(1)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
		Team 4 M te Plate, L. v/d Spek, P.J. Nijssen.	
	#	Strange ratio results by other team.	
		Ratio of two external WLS spectra with same lamp and	
		same diffuser (1 suprasil 311 uv diffuser) is not constant.	
	+	→ Window OPTEC was checked for watervapor → nothing present	
		→ Lamp was inspected visually → ok	
		→ Diffuser was inspected visually → ok	
		→ Mechanical reference was manufactured for diffuser position.	
		Diffuser 1 knob should be positioned against mechanical	
		reference	
		→ WLS - external measurements were repeated.	
		→ Again the WLS file WLS_EXT/6 was	
		printed (data was missing in logbook) and compared	
		to the data of WLS-file WLS_EXT/3.	
		Also the rough results differ. (avg. cal)	
		→ Reason yet unknown	

(2)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	21.00 →	New WLS measurement was started.	
		Some initial problems with EGSE were encountered.	
	→	Right procedure seems to be:	
		* Ask EGSE operator to start up the ATP and almost completely (only last "enter" not yet pressed).	
		* Swith Stimuli PC to local	
		* Alter some settings (not absolutely necessary?)	
		* Swith back stimuli PC to remote file	
		* Ask EGSE operator to press "enter" in order to start execution of ATP.	

(1)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
14/8/98	MTe Plate, PJ Nyssen, L. v/d Speld	
	→ Eta measurements were performed during the night	
	→ During run-averscia SCIA6 seriously crashed. However all files seem to have been generated (.dat extension)	
	→ DU2 measurements not present in output. So there was a problem. Probably the crash was due to a powerinterrupt on SCIA 6 Also the cd-writer PC had a crash.	
	→ A UPS (Uninterrupted Power Supply) would be a good idea! Especially for the really important computers.	
	→ A retrial was made for the ETA_UV_VIS measurement using run-averscia another time	
	→ This time success! DU2 remarks are present	
	→ Set-up was reconfigured for ETA_IR. QTH lamp + 2 Suprasil Carbo 120 NIR diffusers	

(2)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
		In formal request for run the repetition factor for	
		⟹ DU2 was increased from 1X to 10X because all	
		the light measurements are also measured 10X.	
		DU1 could not be changed from 1X to 10X due to	
		software fault.	
		Sander (EGSE operator) discusses this problem with Tony	
		Nelsen	
→			

Trans BZW
is al lang zo zie overzichtjes
met groene markers

(3)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

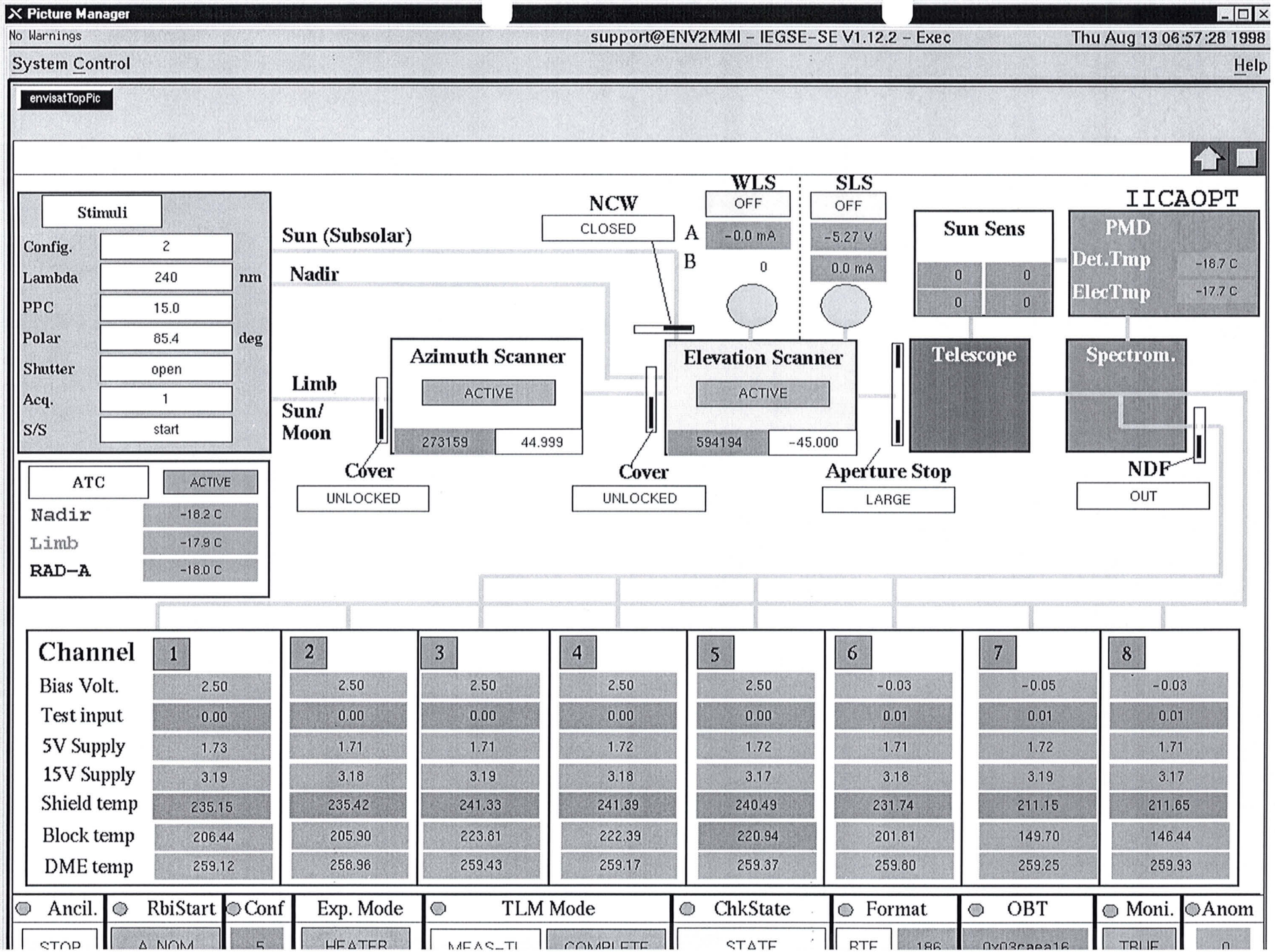
date/time	description of action	measuremement filename
	Eta - uV- VIS was finished with good result.	
→	Results were compared to expected results (Figure 18 ETA) ON first sight results look very good when compared to expected curve.	
→	Only Channel 5 is saturated due to Eta Xe-peaks. Was this foreseen? However data for Ch.5 will be collected from ETA_IR measurements so Eta can be retrieved any way	
→	9.00 ETA_IR was started with QTH-lamp + 2 Super 120 NIR diffusers.	
→	spoken to Tony Nielsen about fact that Eta_measurements take much longer than expected (8.5 hours instead of 5 hours)	
	State handling takes 375 seconds (5 repetitions × 75 seconds)	2e open voorjeshift.
	Stimuli 20 seconds +	
	≈ 400 sec ≈ 7 min	
	80 measurements (8 states 10X)	
	Total: 7 * 80 = 560 min ≈ 9 hours	

YSI

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
		→ Tony Niersen mentioned that during the previous Xi_2 measurement the optical stimuli repetition factor	
		→ Disk is almost completely used (4 GB and 3.3 Mb is used)	
		→ Can the disk be cleaned up? This has to be done rapidly since every Eta_file is about 500 Mb.	
		→ It is decided that we will erase the egse_lff files since they are already backed-up (3X). (The .dat file will not be deleted.) Besides the egse-lff file can always be retrieved from the .dat file.	
		→ Eta_IR runs ok (at least until 13.45)	


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Thu Aug 13 06:57:28 1998
System Control
Help
envisatTopPic
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.27 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.15 235.42 241.33 241.39 240.49 231.74 211.15 211.65
Block temp 206.44 205.90 223.81 222.39 220.94 201.81 149.70 146.44
DME temp 259.12 258.96 259.43 259.17 259.37 259.80 259.25 259.93
Ancil.
RbiStart
Conf
Exp. Mode
TLM Mode
ChkState
Format
OBT
Moni.
Anom
STOP
A_NOM
5
HEATER
MEAS-TL
COMPLETE
STATE
RTE
186
0x03caea16
TRUE
0

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gerard Offer 14-9-1998	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
		Y / N	

	If not, are you sure that the function `mk_filetr` executed? `./s_names` ls -l more All file names of the form `f<digit>`?	Y ? N	

	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		Y / N	

	Via ftp on CD-writer PC: copy files in directory <D> (including s_names and s_names) to PC (On PC maintain directory structure of DATA-DIR).	files in directory on PC	
Backup CORR directory	Do always Let <D> be the directory `~/DATA-DIR/CORR`		
	Via ftp on CD-writer PC: copy files in directory <D> to PC (On PC maintain directory structure of DATA-DIR). So, you write the whole contents of the `DATA-DIR/CORR` directory.	files in directory on PC	
Backup:	Write 3CDs (Follow JGS' Gear instructions), Done?	Y / N	
Back up On MOD:	Copy (via FTP) data from SUN named `scia6` to SUN named `tpdezo`.		

In DATA-DIR window

The long name is "FTPed" and changed on the cd-writer PC to Ntf-file
the original name is stored in the text file longname.txt

In DATA-DIR Windows

execute: ./l_names

Instructions printed + mastering

Copy to MOD (Follow instructions in file `/home/drz/DOC/MOD*`) Note, normally, you don't have to mount the MOD.

tpde20 file too big to store on MOD (± 520Mb) tpde20.

Copy contents of one CD (or via ftp) on the two other SUN workstations that are used for offline analysis, Done?

Y (N)

Sign:	Name	PD
	Date and time	14-00-98 8:30
	Signature	

MASTER

ETA-UV

STEP	ACTION	RESULT	MARKER
Intro	Your name:	A.Bos	
	Date:	14-05-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia-1308199805-17482477.dat ==	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/ETA-UV/ ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	—	(B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	1	(C)
	<C> should be <B> + 1	(Y) / N	
	directory name is:	~/DATA-DIR/ETA-UV/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled)	yes this works but with some trouble	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	`ls -l *.egse_ltf` What's the name of the egse_ltf file	see (A).egse_ltf	(D)
	<D> should be <A>.egse_ltf	(Y) / N	
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)	power failure? → computer crashed after finishing? All files seem to be present?! NOT: du2 missing!	Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal`		
	size:	146 kb	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal`	wsa1 to wsa10 wsc1 to wsa10 wse1 to wse10	
	size:	all 146 kb	should be approx 150Kb

→ 2nd run averscia : du2 files ARE present!

P-pol file:
`ls -l *.wp*.avg cal`

wpa 1 to wpa 10
wpc 1 to wpc 10
wpe 1 to wpe 10

size: all 146 kb _____ should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:
`lpr -P<printer> *.ps`

Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: (Y) / N

Contents P file `*wp*.avg.cal` should resemble white light source: (Y) / N

Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source: (Y) / N

let op: verzadigen in ch 5

Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. (Y) / N

If not, value is: _____

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

ETA processing

Run ETA

`idl do_eta` In IDL window

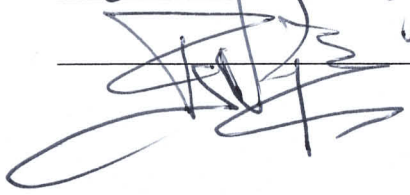
Check ETA

`ls -l *.p1.* | more` In DATA-DIR window

Size of file `<D>.du*.avg.cal.[a|c|e].p1.cal` all 3 ± 146 kb _____ should be approx 150Kb

	Size of file <D>.du*.avg.cal.[a|c|e].p1.log	all 3 ± 2135 b
	Size of file <D>.du*.avg.cal.[a|c|e].p1.ps	all 3 ± 140 kb
Check ETA visually	lpr -P<printer> <D>.*du.*.p1.cal.ps	*du* ... p1.ps
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (in channels 1-4)	(Y) / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	(Y) / N
	Add postscript images to logbook, done	(Y) / N
Print logfiles	lpr -P<printer> <D>.du*.p1.cal.log	
	Add logfiles to logbook, done	(Y) / N

Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	140898B → *.egse-etf on 140098A	

Sign:	Name	PD
	Date and time	10:00 14098
	Signature	

Formal Run of Measurement

(Measurement ID) ETA_UV_VIS

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+ 45.00	deg
Elevation	− 45.00	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	9									
Repetitions	5									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	2	1						
1b	2	1						
2b	0,5	4						
2a	0,5	4						
3	0,125	16						
4	0,0625	32						
5	0,03125	32						
6	H6	32						
7	H7	32						
8	H8	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2	0	171.6	close	1	240	240	0	10	DU1	
2.1	2	0	171.6	Open	1	240	240	0	10	WSa#	
2.2	2	0	85.4	Open	1	240	240	0	10	WPa#	
3.1	2	12.5	171.6	Open	1	240	240	0	10	WSc#	
3.2	2	12.5	85.4	Open	1	240	240	0	10	WPc#	
4.1	2	18.3	171.6	Open	1	240	240	0	10	WSe#	
4.2	2	18.3	85.4	Open	1	240	240	0	10	WPe#	
5	2	18.3	85.4	Close	1	240	240	0	10	DU2	

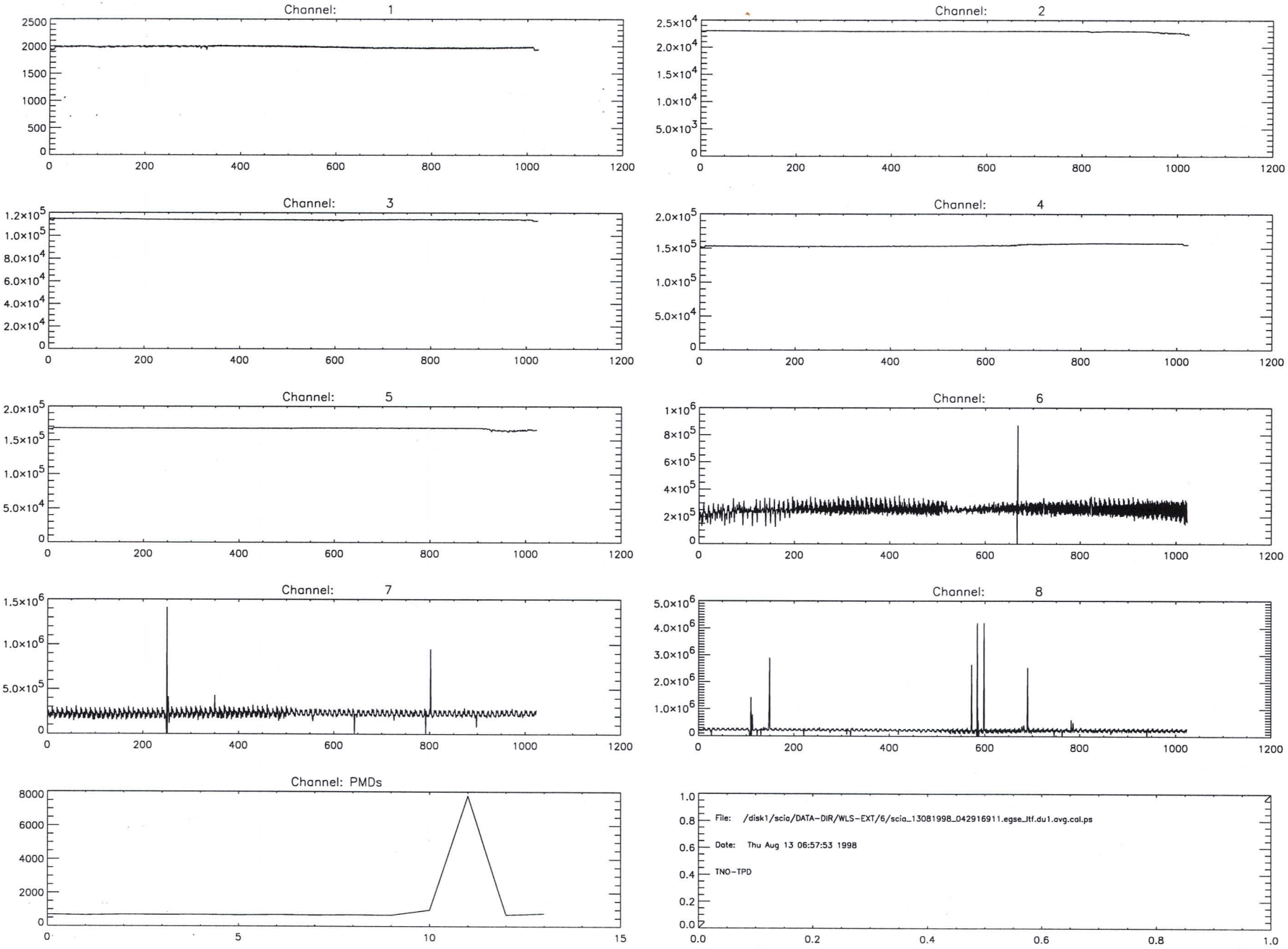
Measurement Data Description

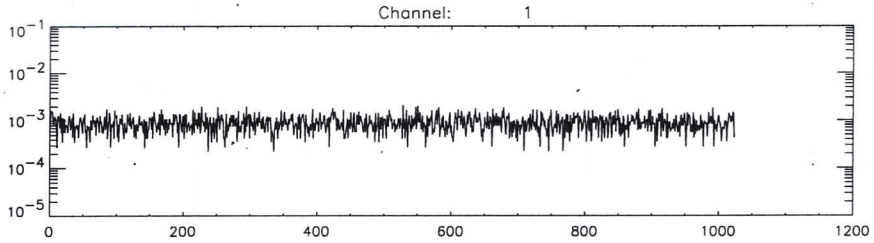
Test Purpose	
Remark	UID 6
Data Directory	

Signatures

	Date	Signature
Issued	13-8-98	
< Performed	13.8.98	

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_13081998_042916911.egse_ltf.du1.avg.cal.ps
#####
scia6
#####
Printed: Thu 08:07 Aug 13, 1998
#####
Job number: hp6mp-94
#####
#####
#####
#####
#####


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_ltf.du1.avg.cal.ps
Date: Thu Aug 13 06:57:53 1998
TNO-TPD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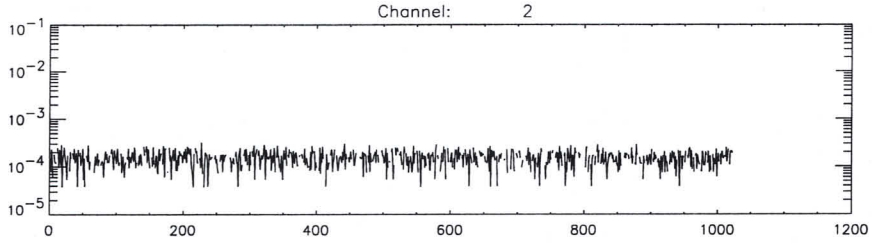
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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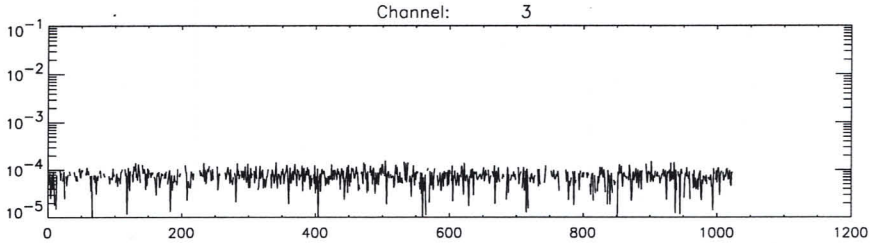
200
400
600
800
1000
1200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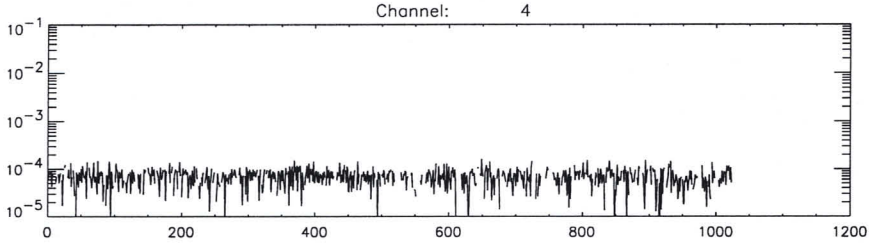
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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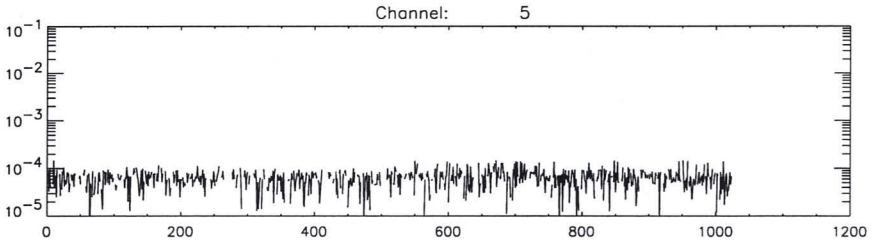
400
600
800
1000
1200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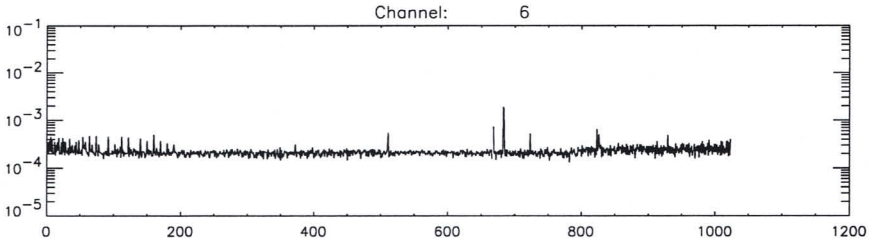
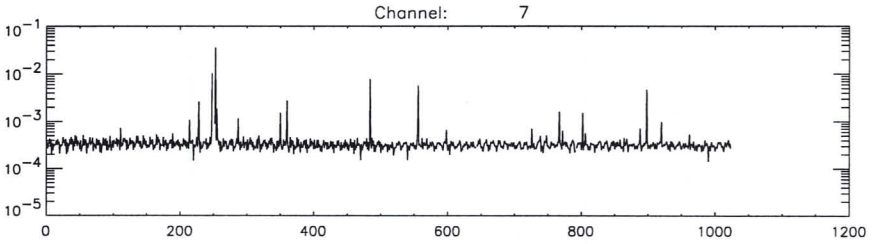
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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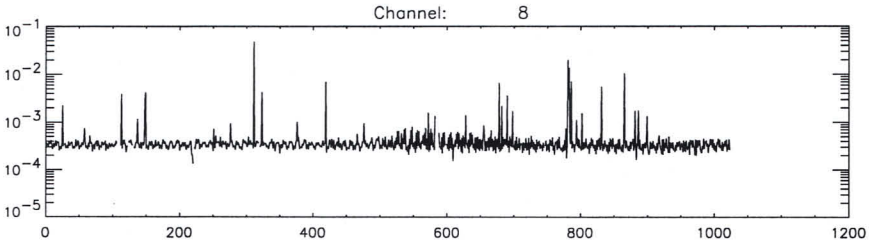
200
400
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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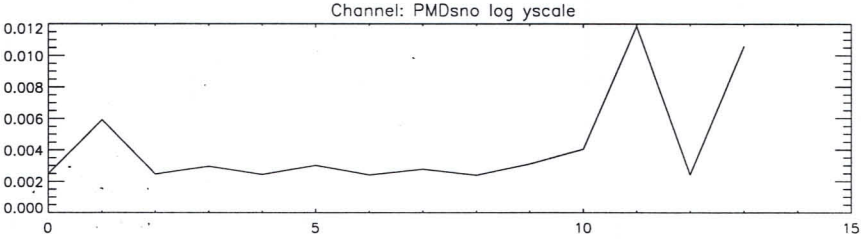
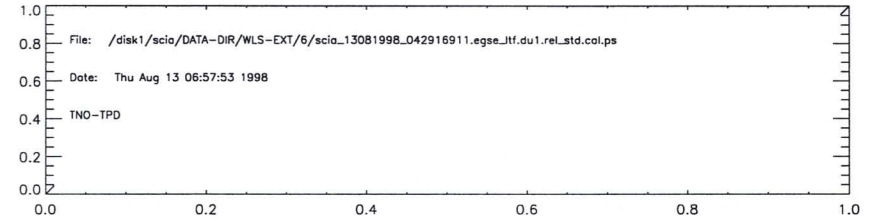
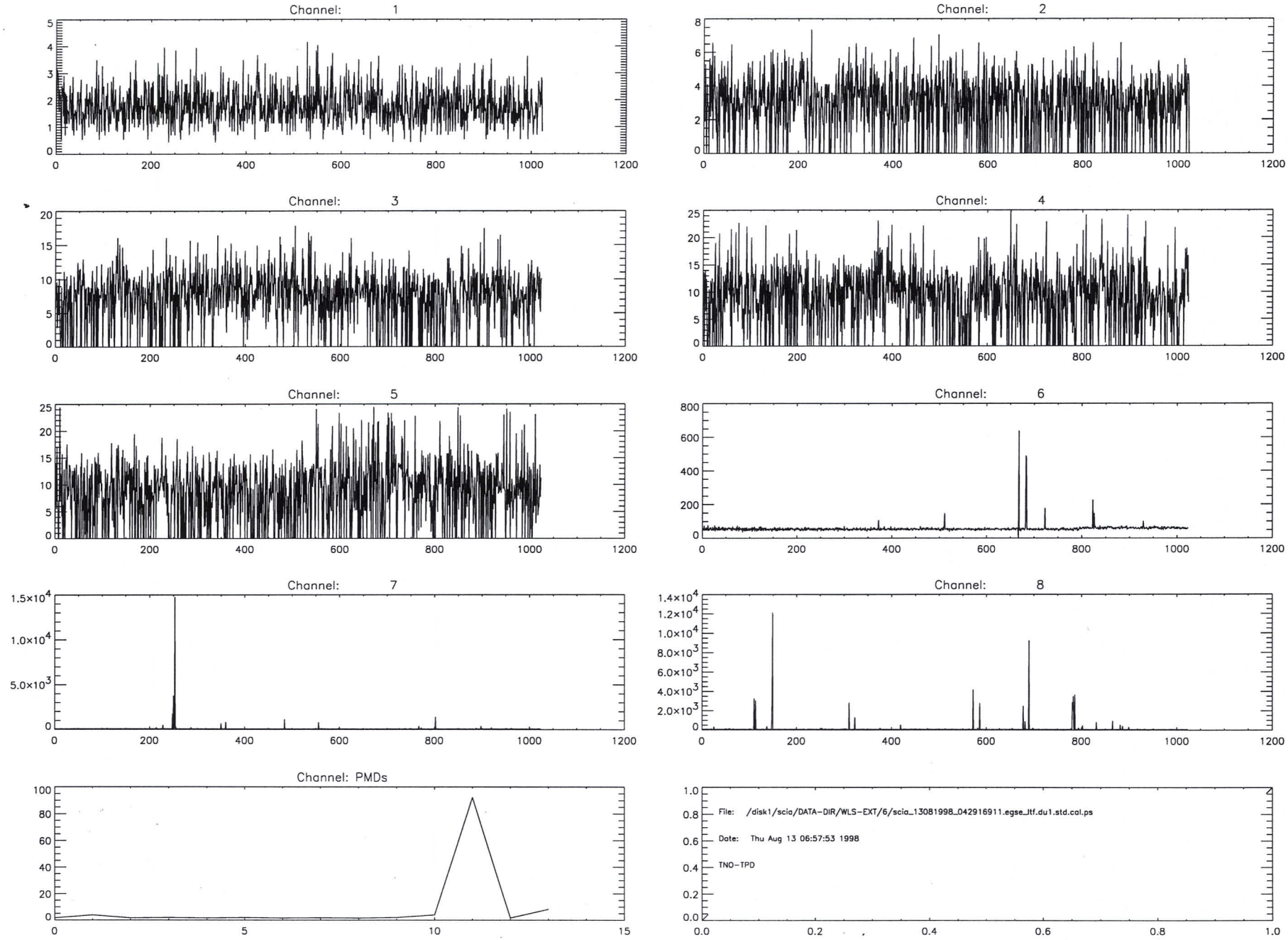
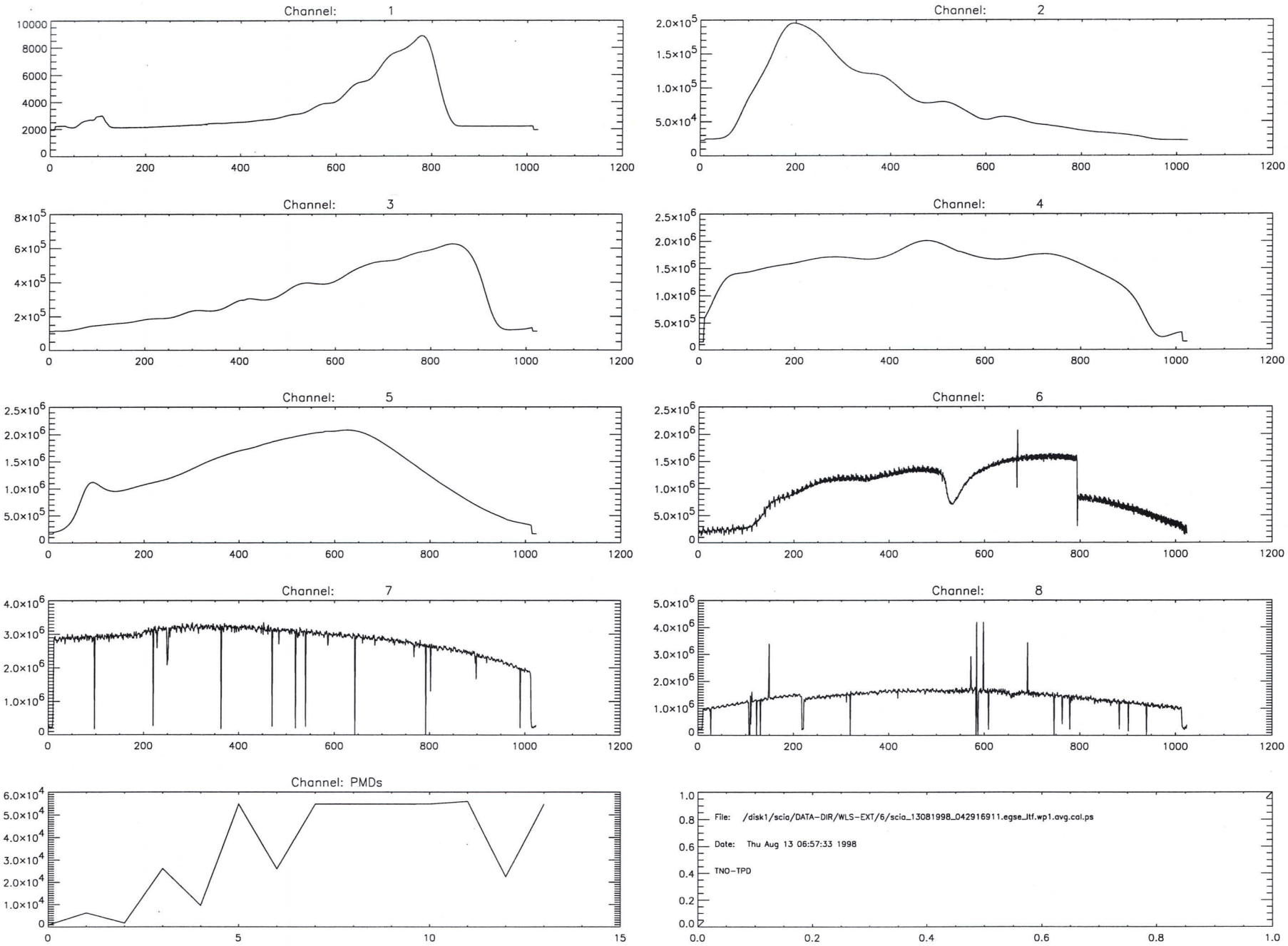
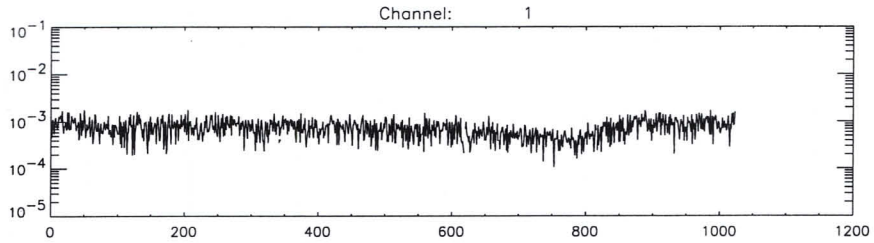
400
600
800
1000
1200

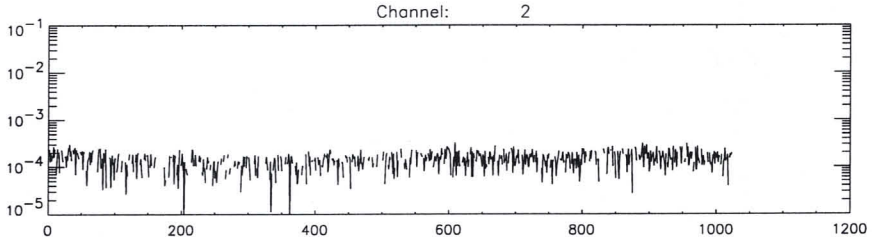

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

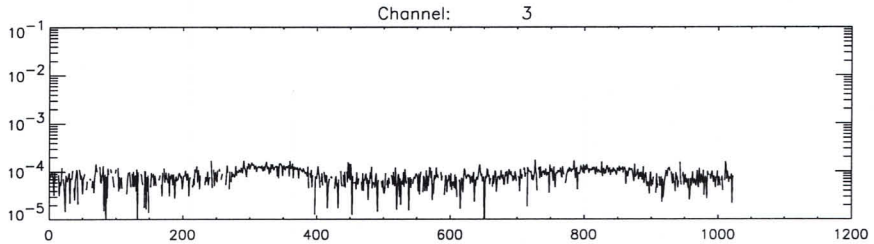

File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_itf.du1.rel_std.cal.ps
Date: Thu Aug 13 06:57:53 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_itf.du1.std.cal.ps
Date: Thu Aug 13 06:57:53 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_Itf.wp1.avg.cal.ps
Date: Thu Aug 13 06:57:33 1998
TNO-TPD


Channel: 1


Channel: 2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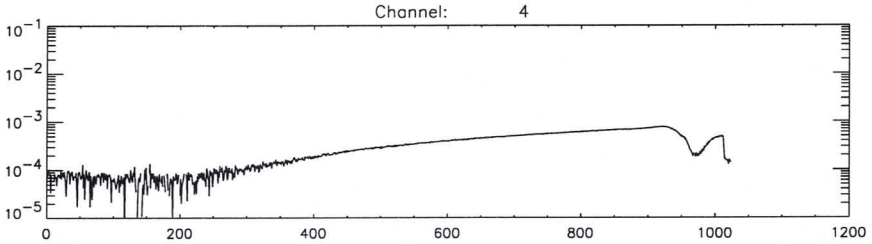
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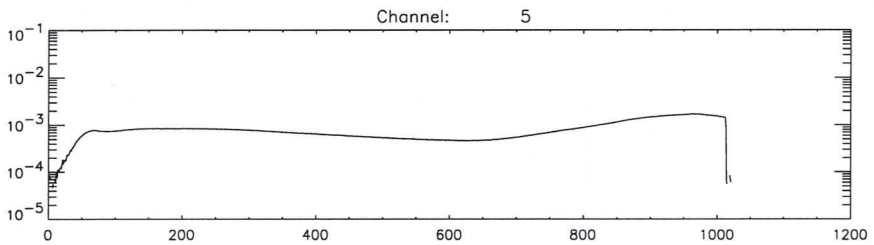
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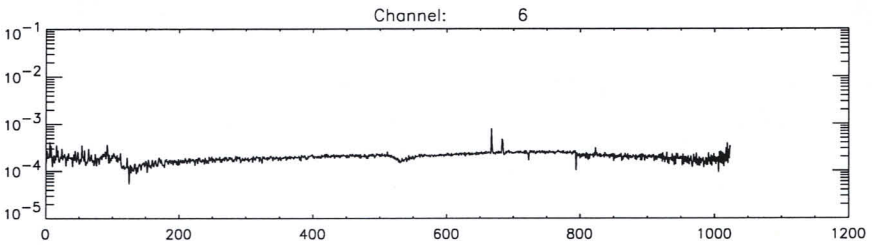
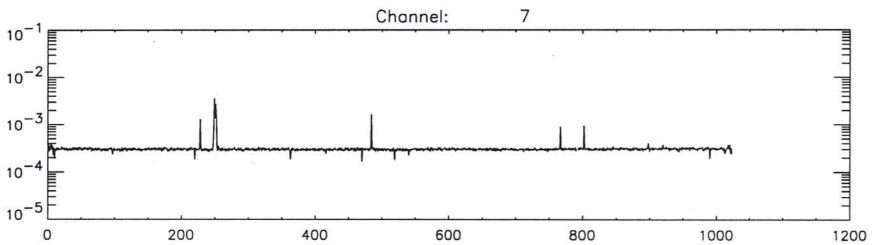

Channel: 6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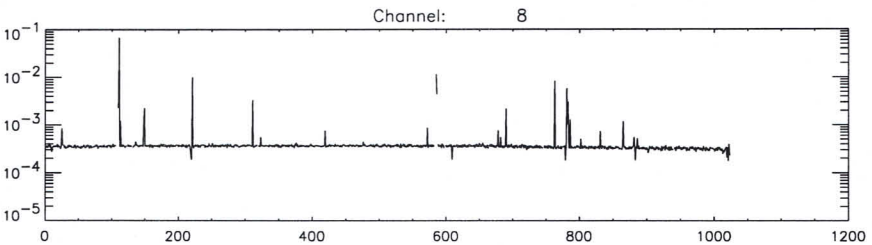
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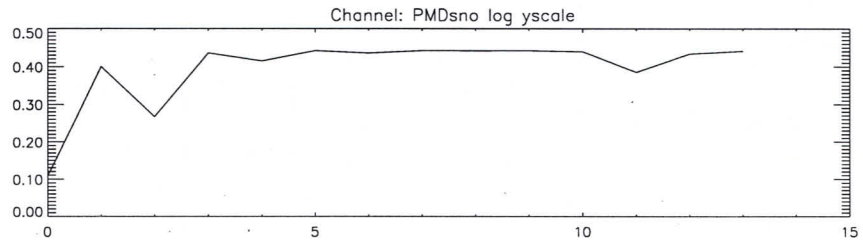
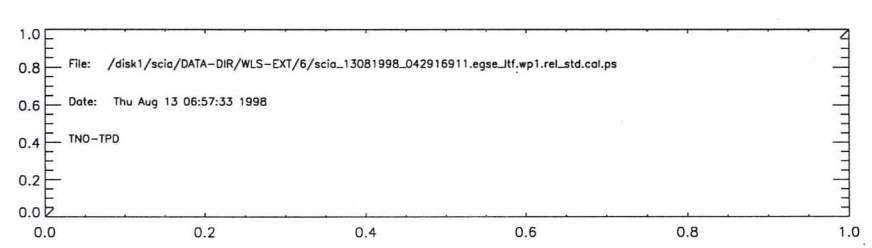
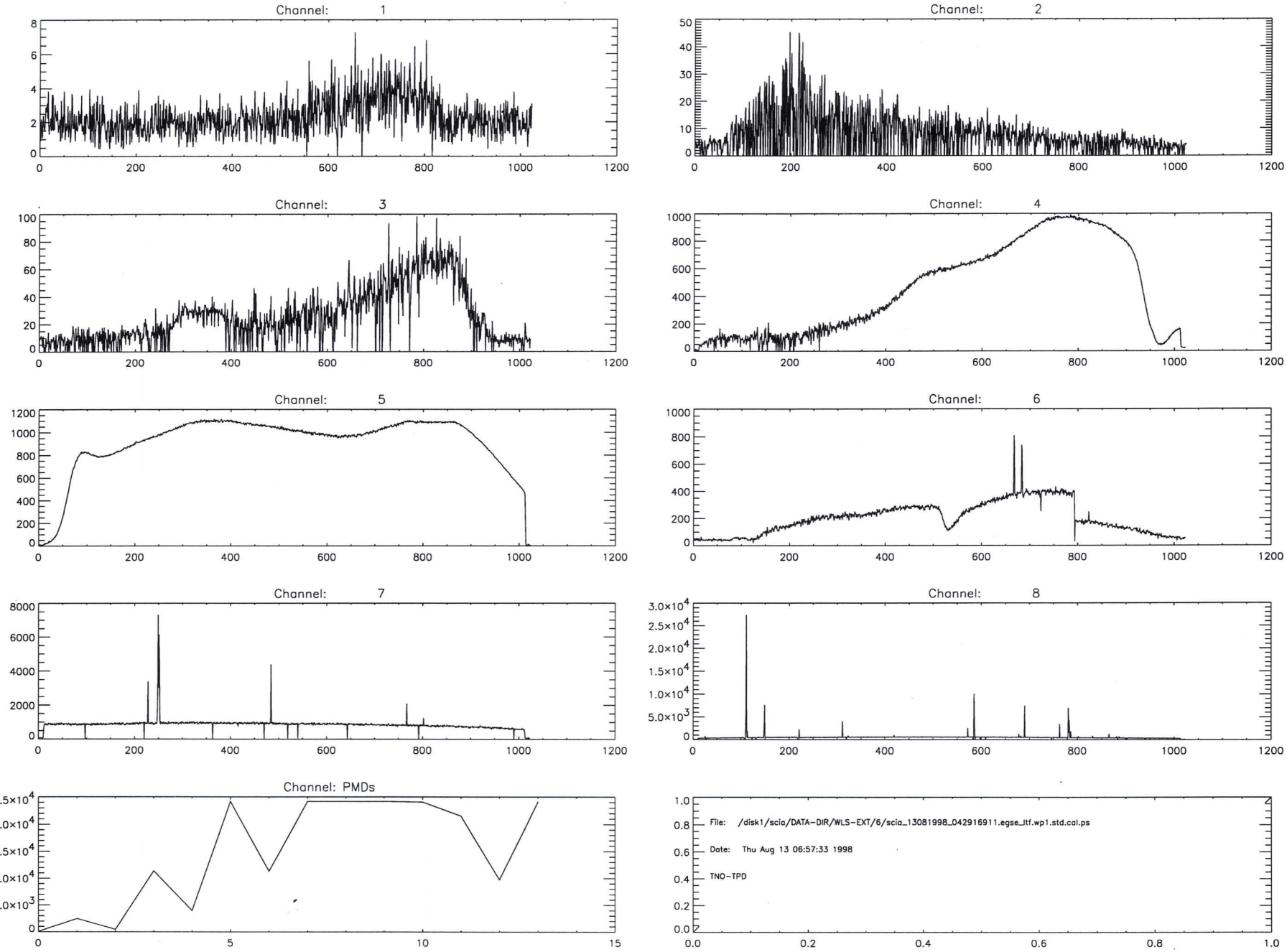

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_ltf.wp1.rel_std.cal.ps
Date: Thu Aug 13 06:57:33 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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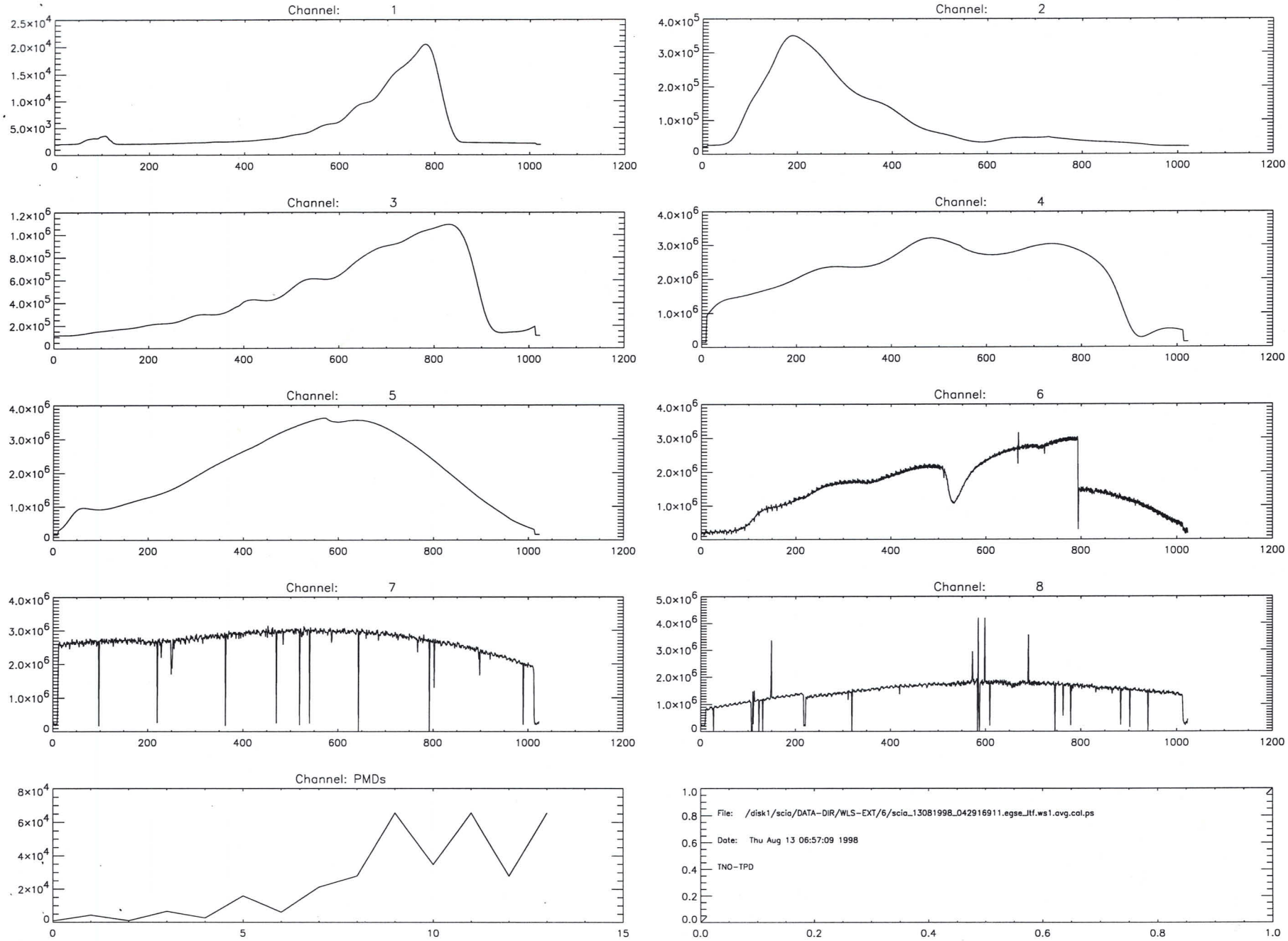
Date: Thu Aug 13 06:57:33 1998
TNO-TPD


Channel: 1
Channel: 2
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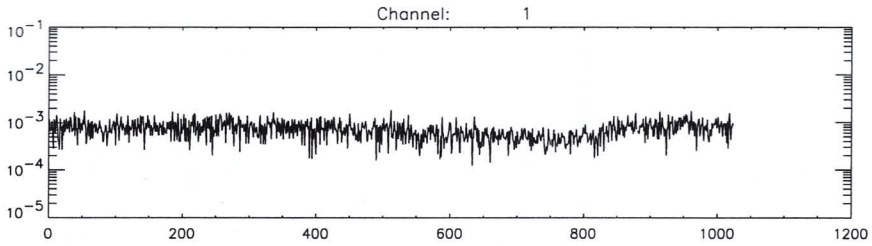
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_ltf.ws1.avg.cal.ps
Date: Thu Aug 13 06:57:09 1998
TNO-TPD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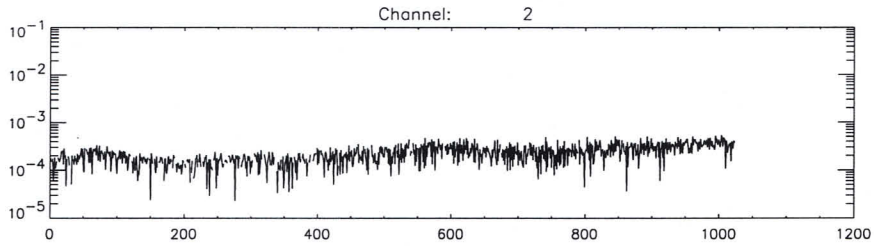
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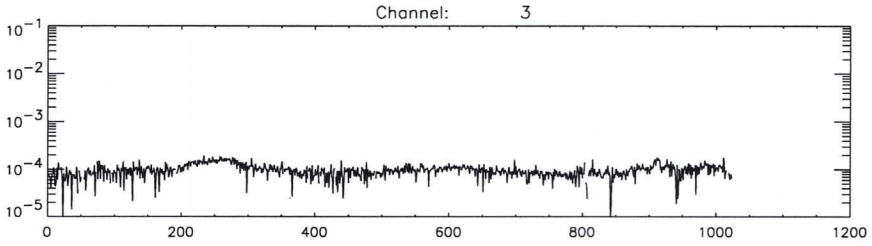
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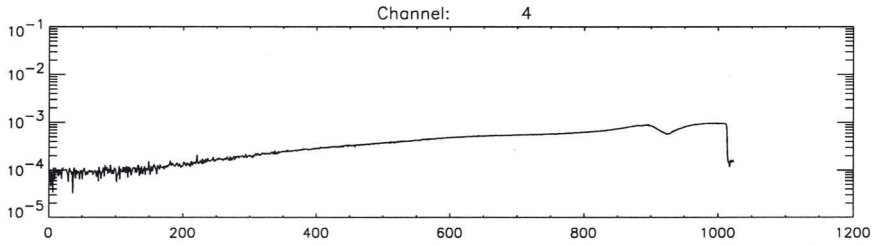
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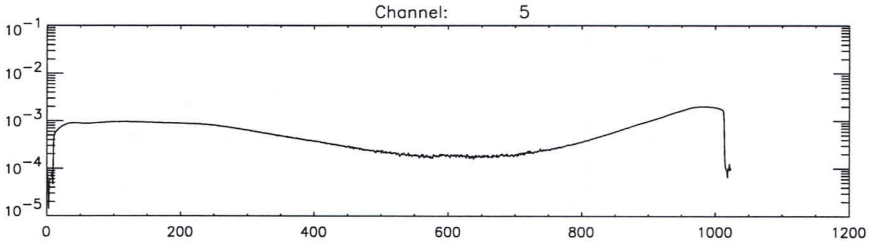
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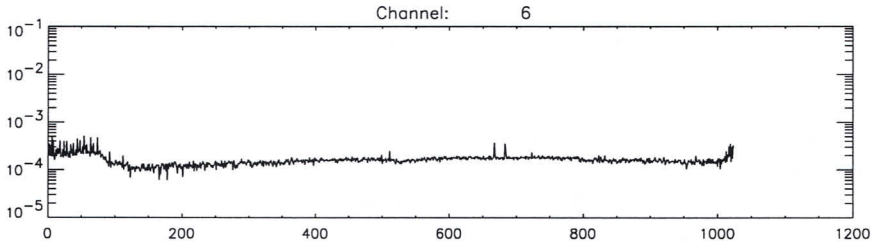
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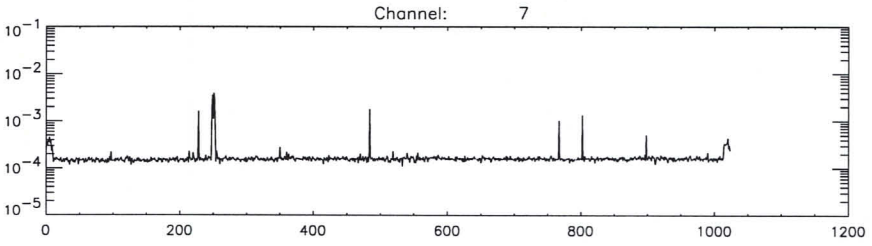
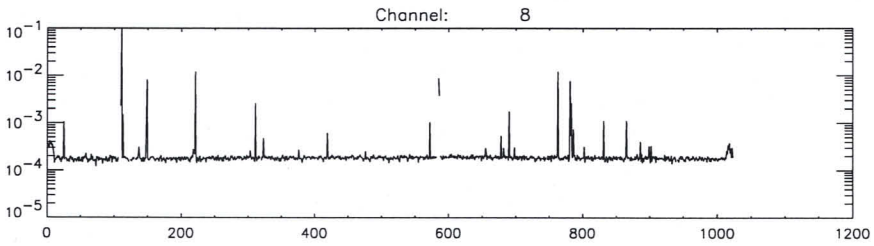

Channel: 7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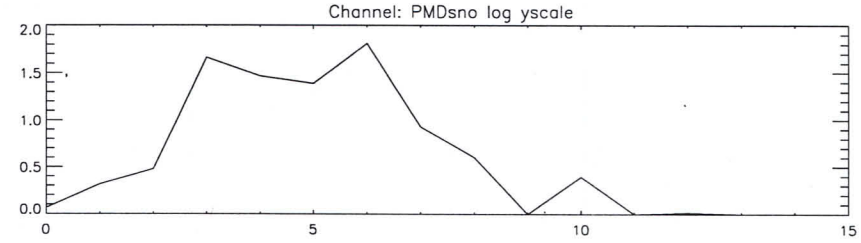
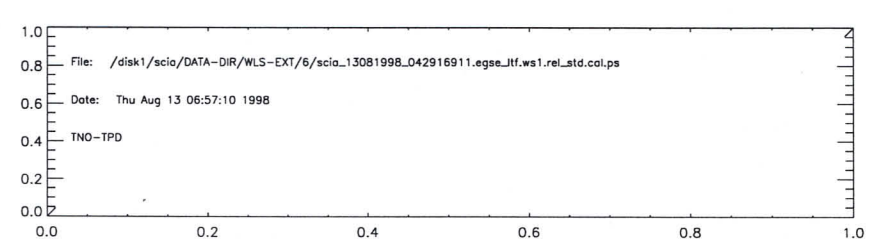
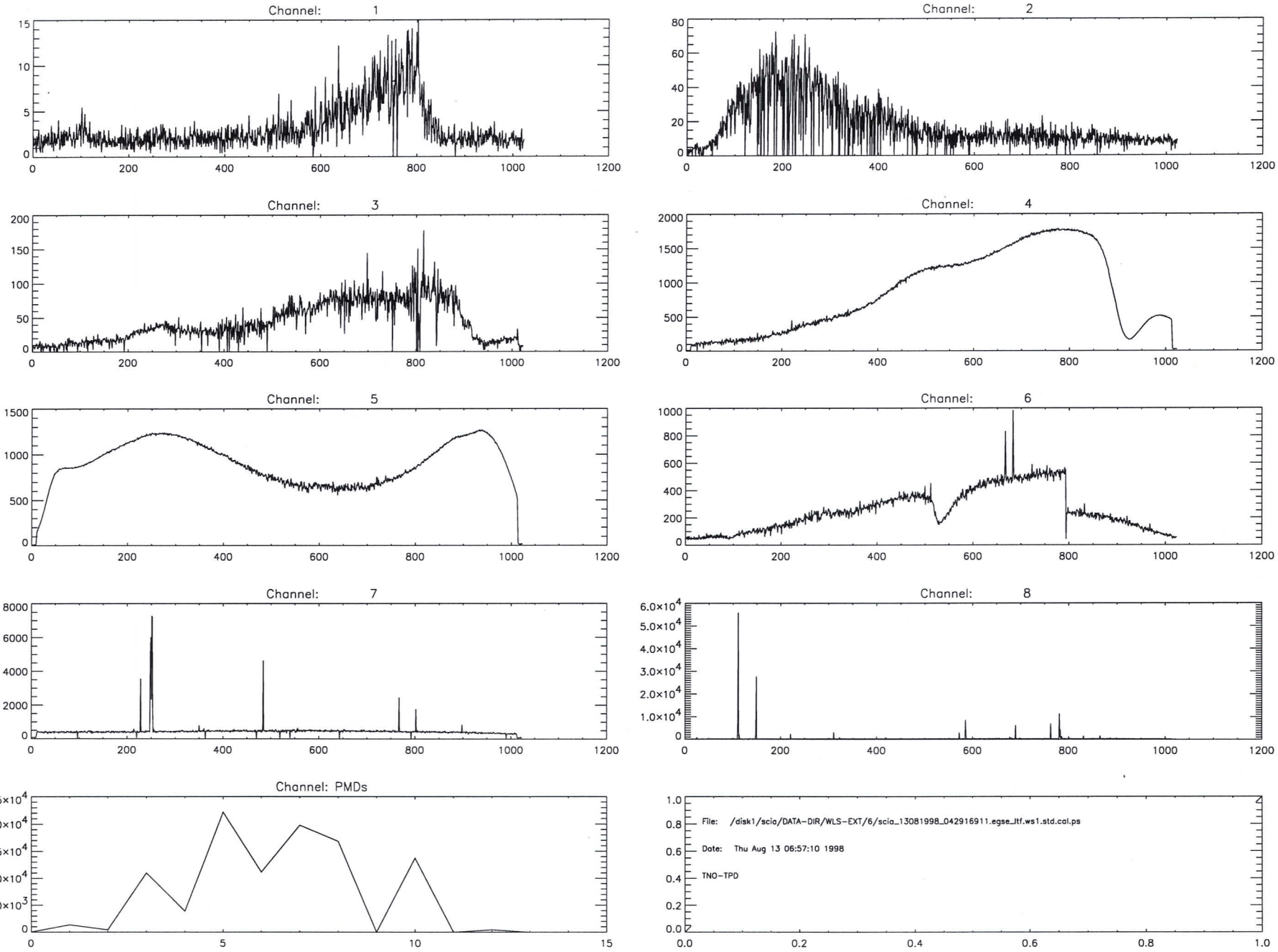

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_itf.ws1.rel_std.cal.ps
Date: Thu Aug 13 06:57:10 1998
TNO-TPD


Channel: 1
Channel: 2
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Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS-EXT/6/scia_13081998_042916911.egse_ltf.ws1.std.cal.ps
Date: Thu Aug 13 06:57:10 1998
TNO-TPD

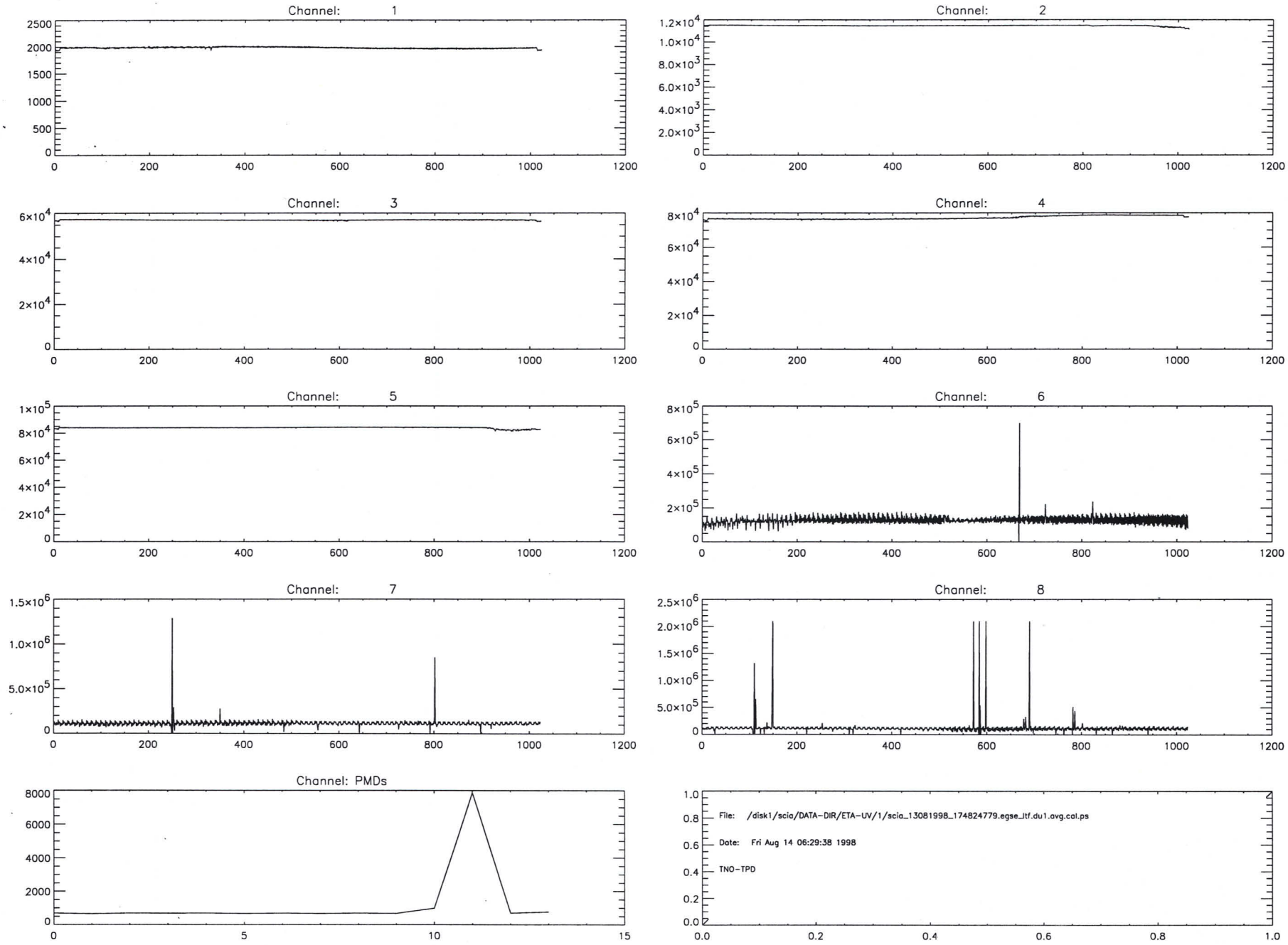
All avg files
FOR ETA_UV_VIS.

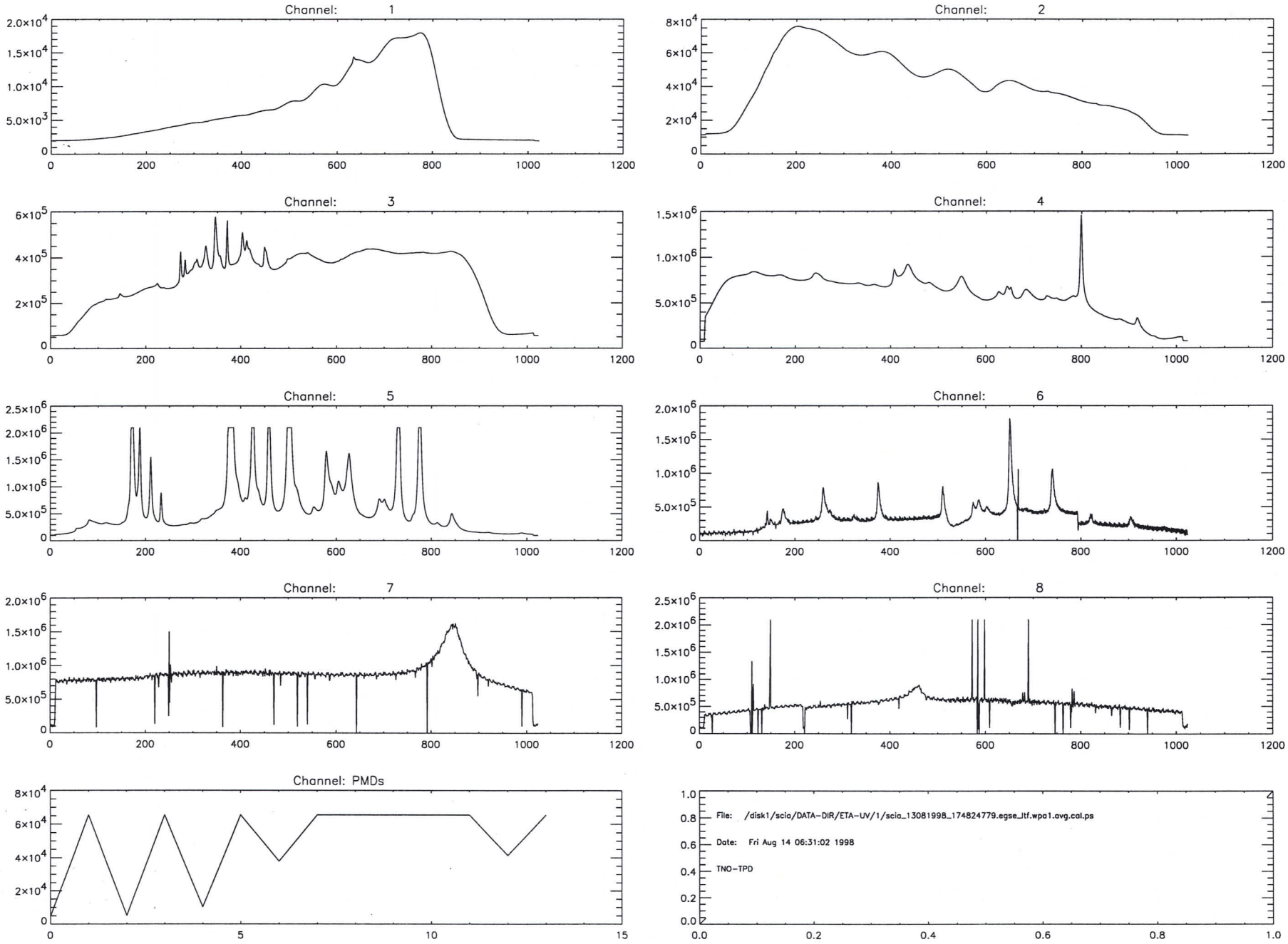
#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_13081998_174824779.egse_ltf.du1.avg.cal.ps
#####
scia6
#####
Printed: Fri 07:16 Aug 14, 1998
#####
Job number: hp6mp-135
#####
#####
#####
#####
#####

run_aversciaa output
ETA_UV_VIS

~~loaded~~ while processing data,
the scia6 system crashed.
DU2 block was not analysed.

→ After retrial of run_aversciaa ok
DU2 files also present


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.ps
Date: Fri Aug 14 06:29:38 1998
TNO-TPD


Channel: 1
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Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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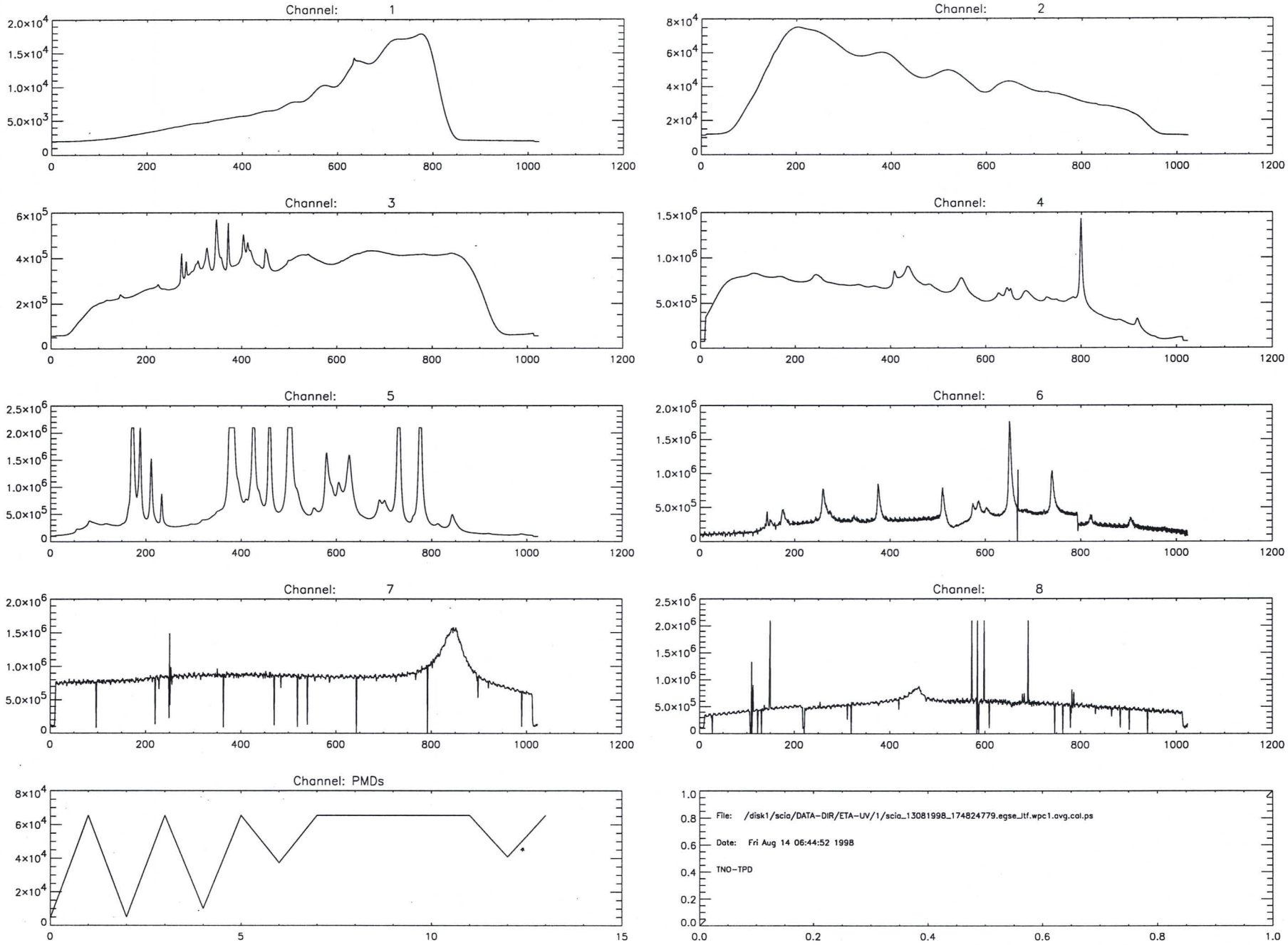
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
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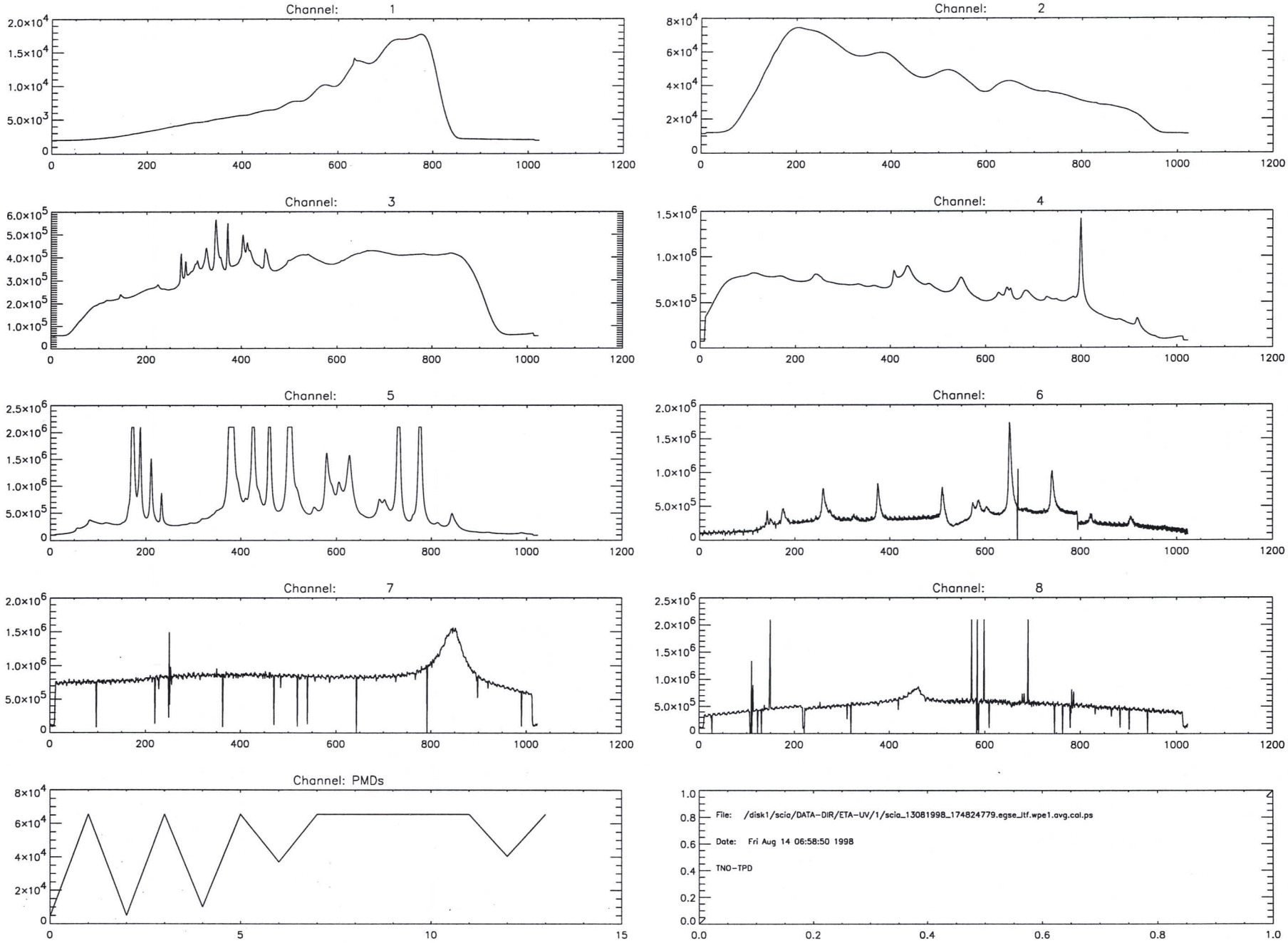
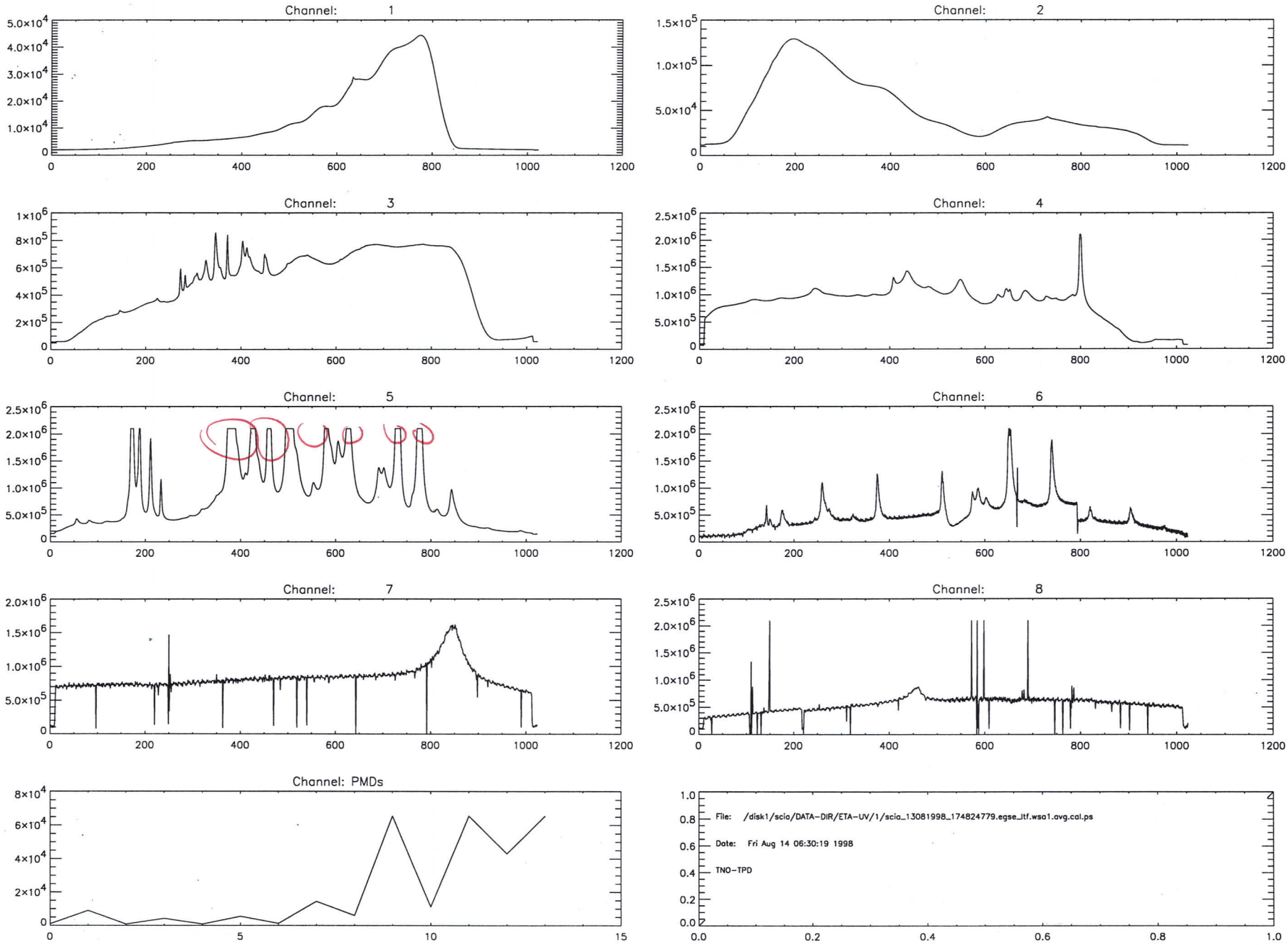
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc1.avg.cal.ps
Date: Fri Aug 14 06:44:52 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe1.avg.cal.ps
Date: Fri Aug 14 06:58:50 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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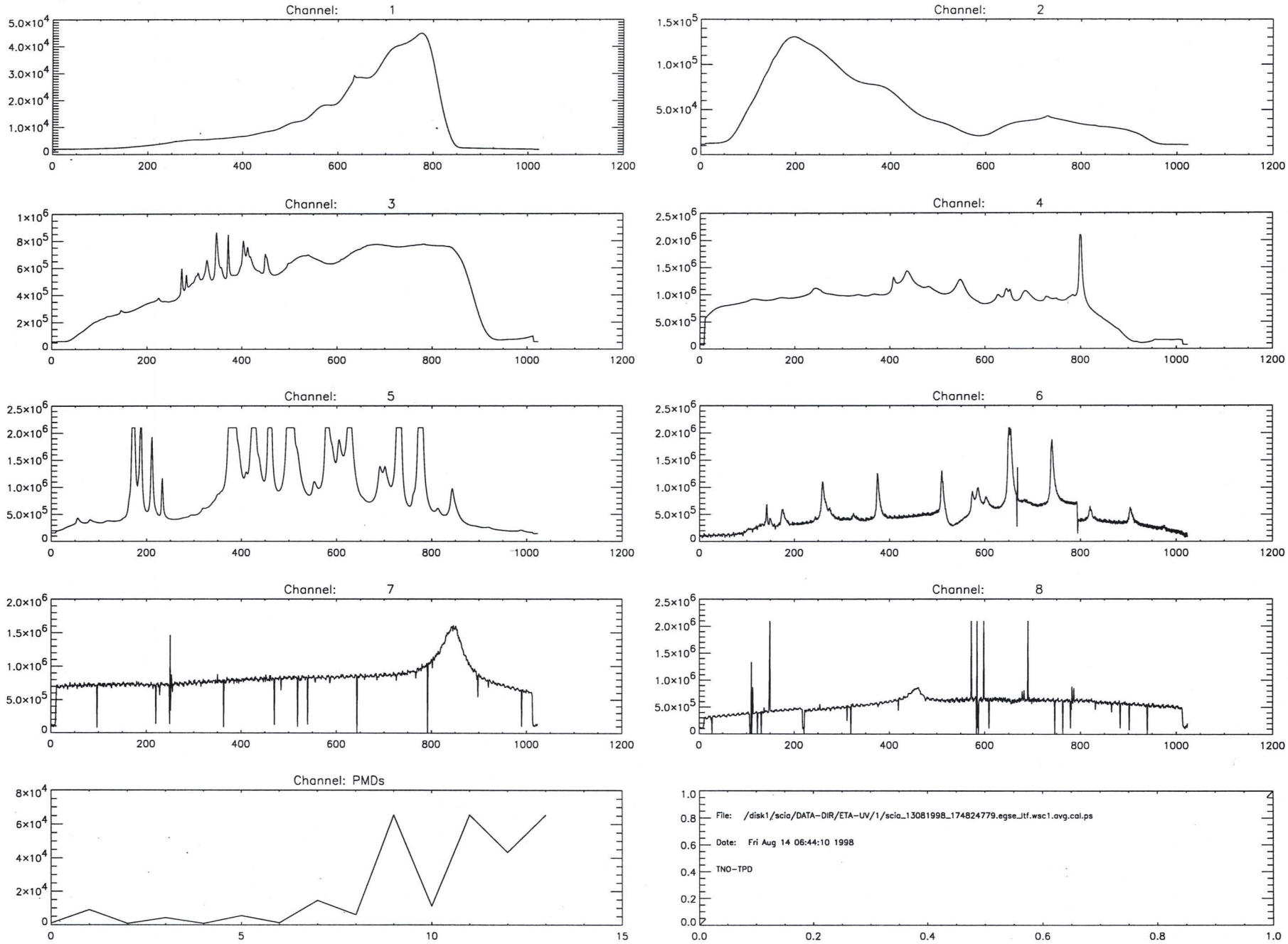
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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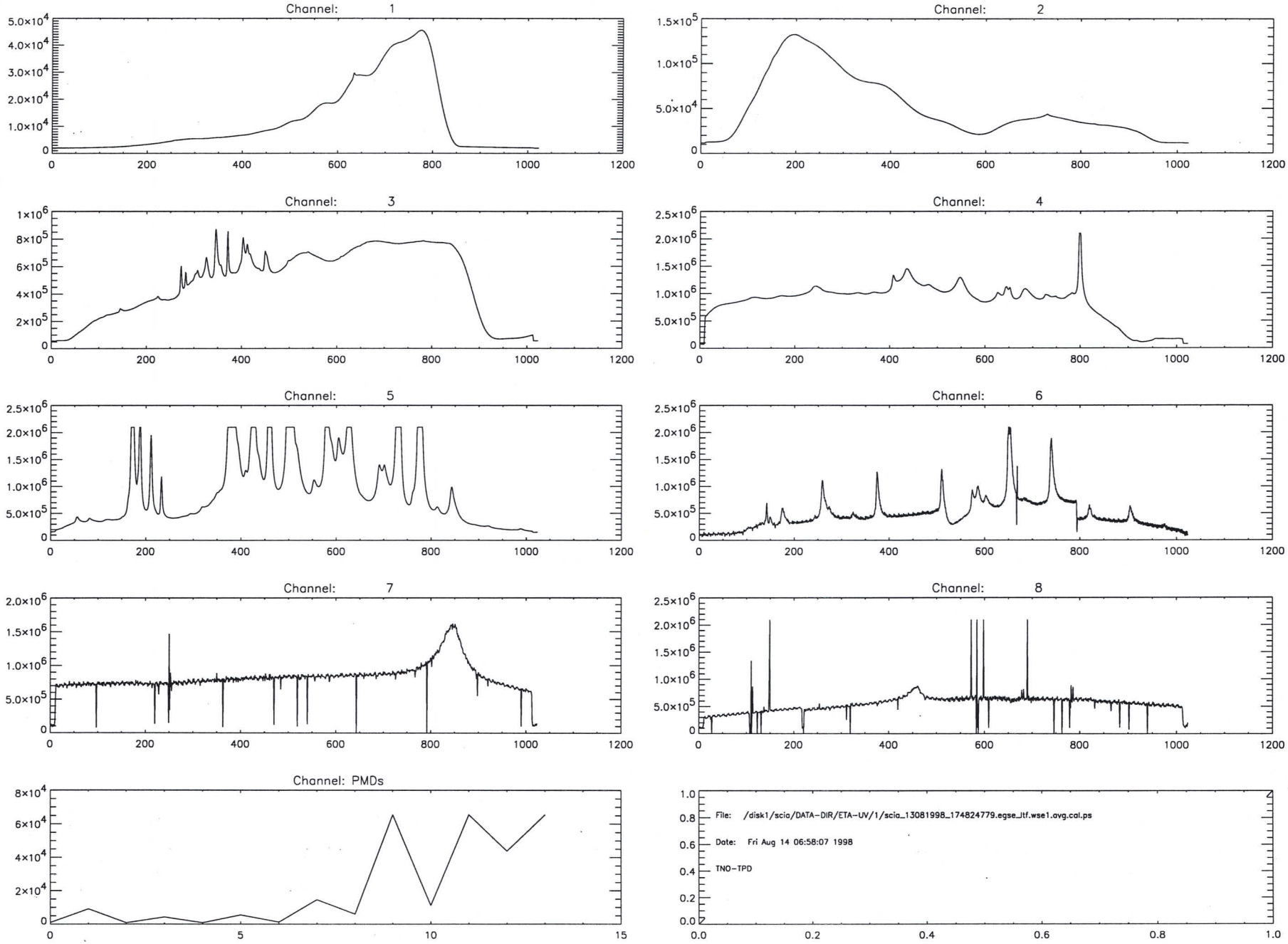
Date: Fri Aug 14 06:44:10 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
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Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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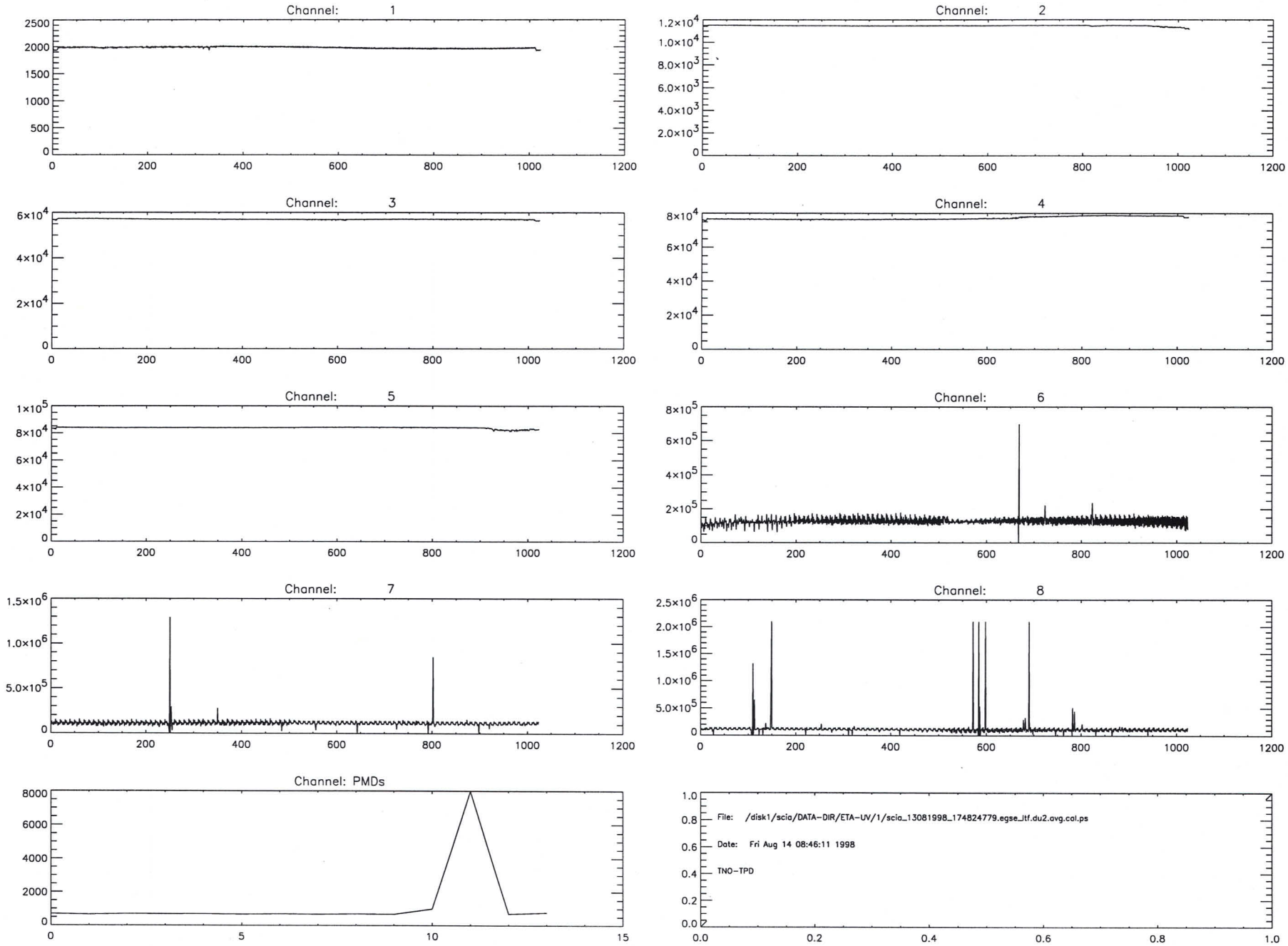
Date: Fri Aug 14 06:58:07 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_itf.du2.avg.cal.ps
Date: Fri Aug 14 08:46:11 1998
TNO-TPD

All statistics * rel_std

FOR ETA_UV_VIS

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#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_13081998_174824779.egse_ltf.du1.rel_std.cal.ps
#####
#####             scia6
#####
#####    Printed: Fri 07:32 Aug 14, 1998
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##### Job number: hp6mp-140
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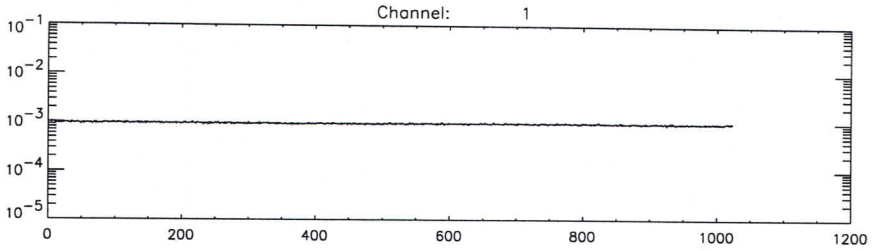
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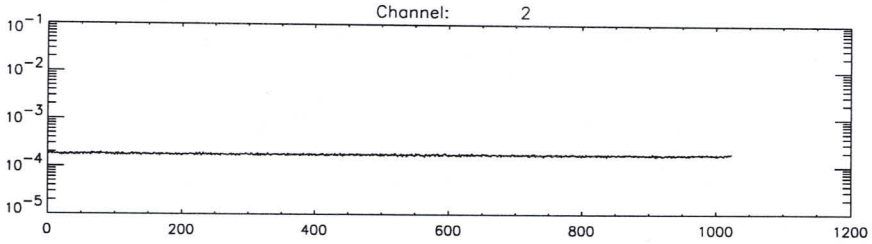
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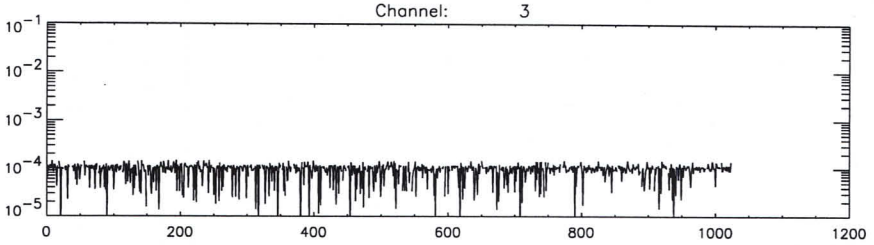
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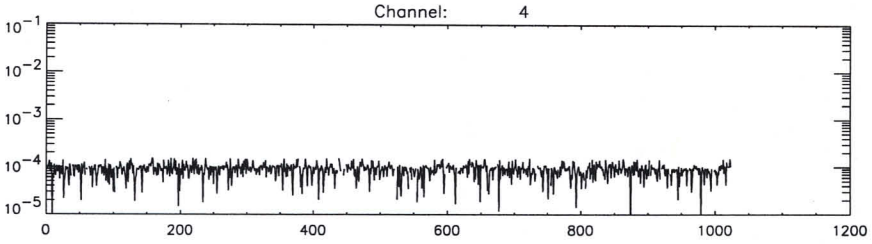
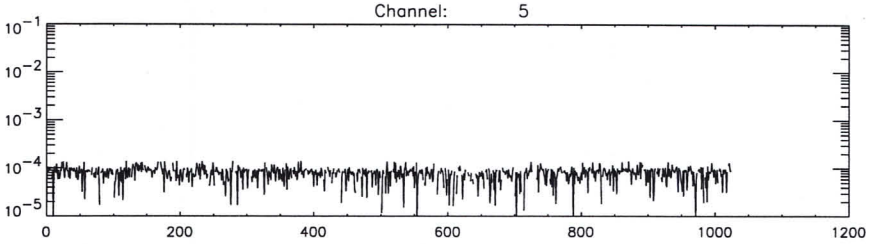
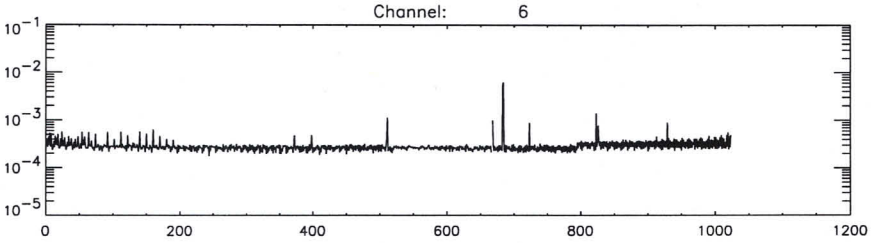
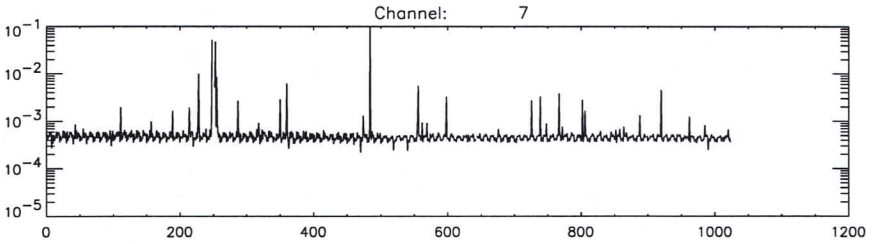
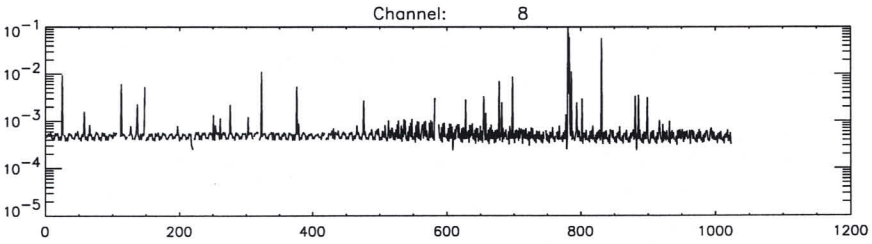

Channel: 4


Channel: 5


Channel: 6


Channel: 7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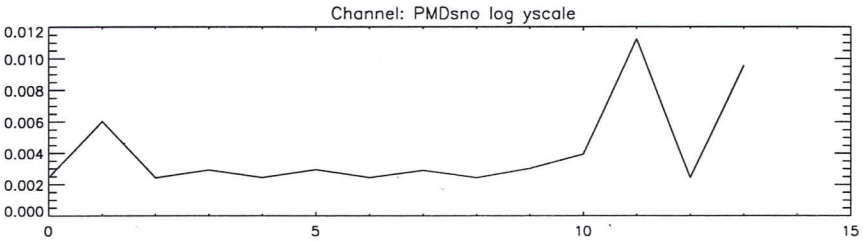
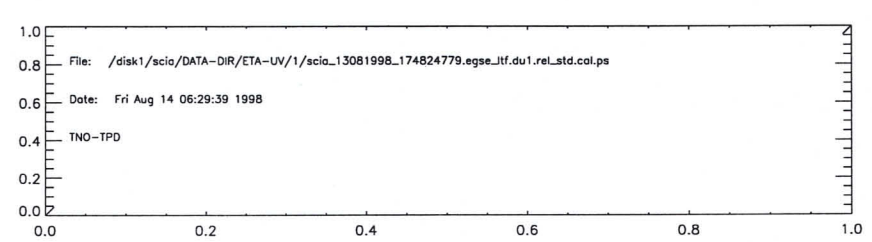
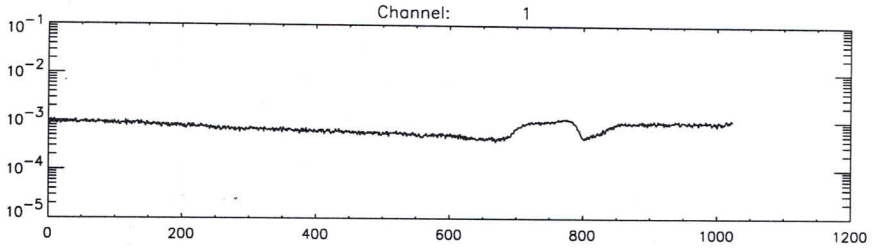
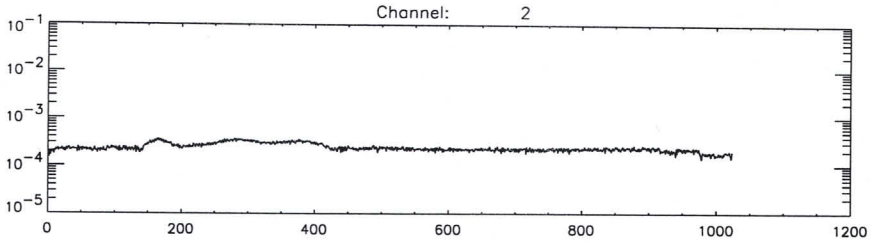
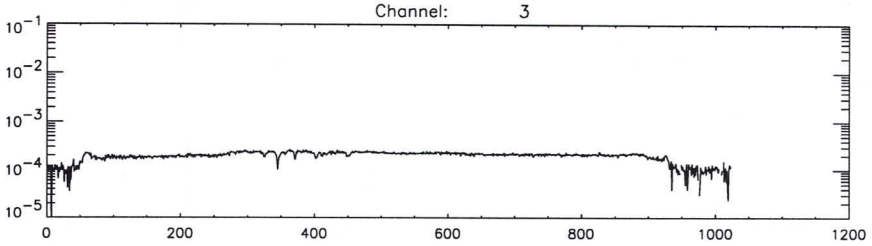

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.rel_std.cal.ps
Date: Fri Aug 14 06:29:39 1998
TNO-TPD


Channel: 1


Channel: 2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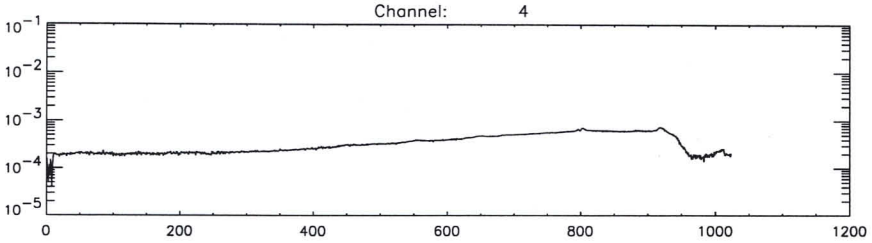
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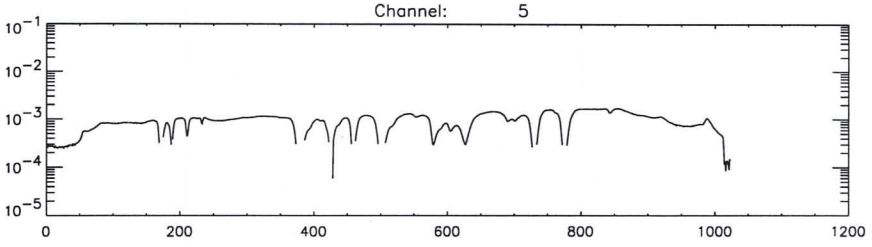
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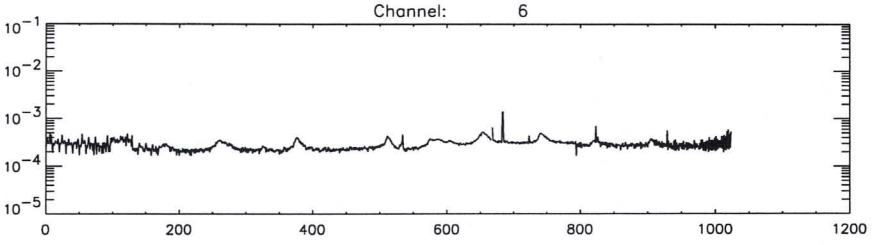
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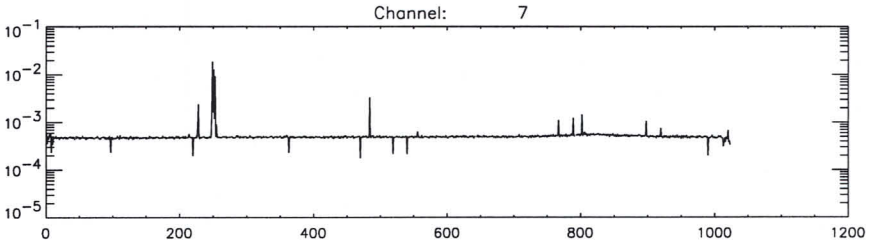
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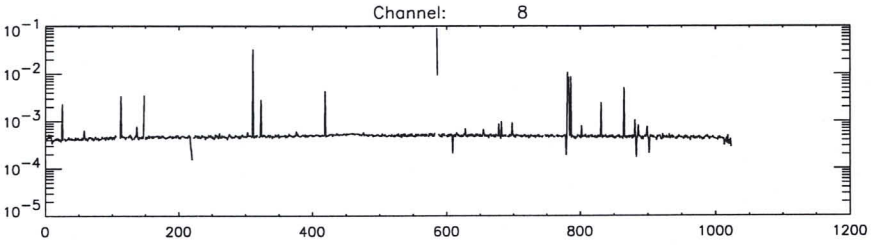
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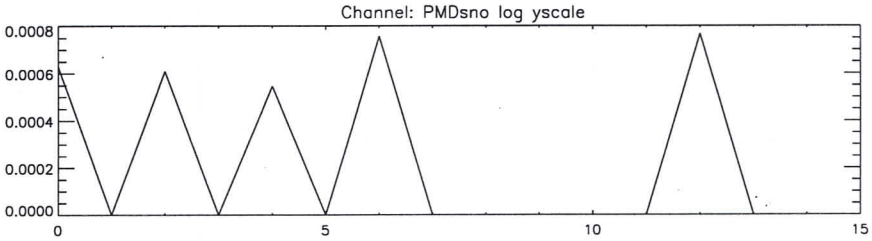
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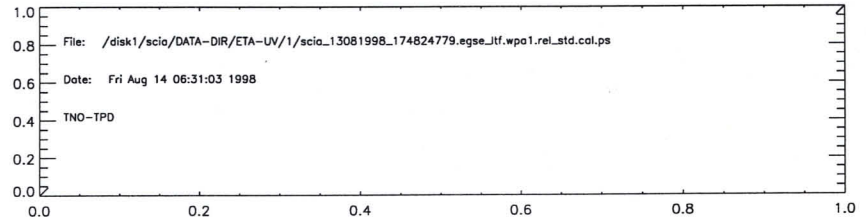
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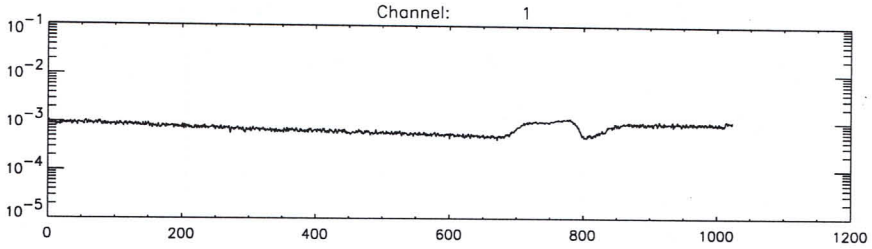
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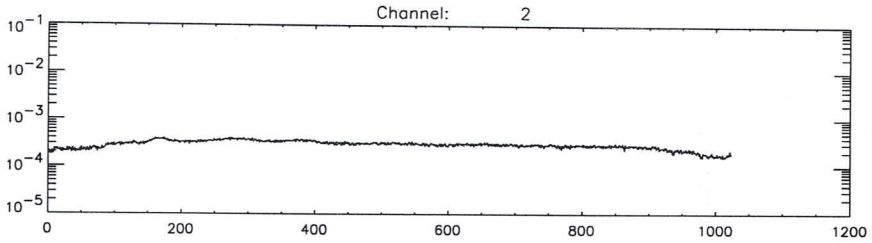
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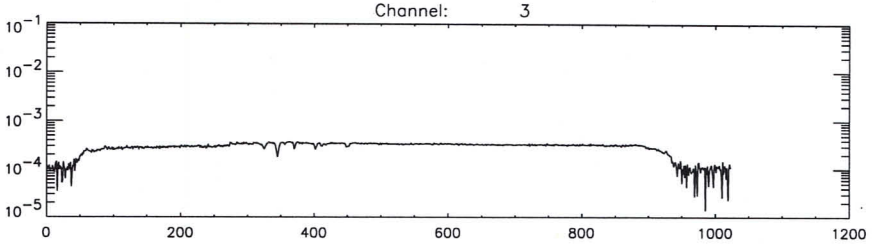
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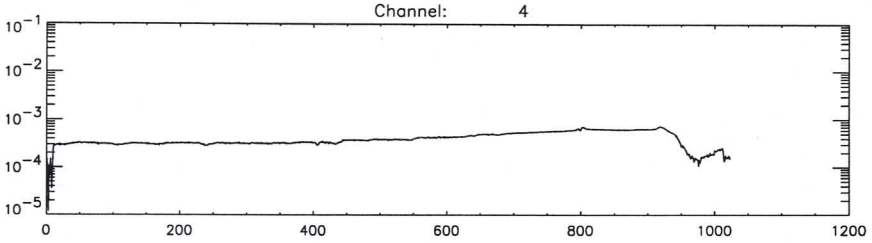
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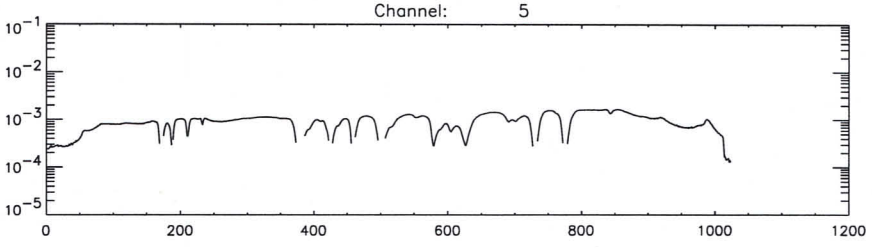
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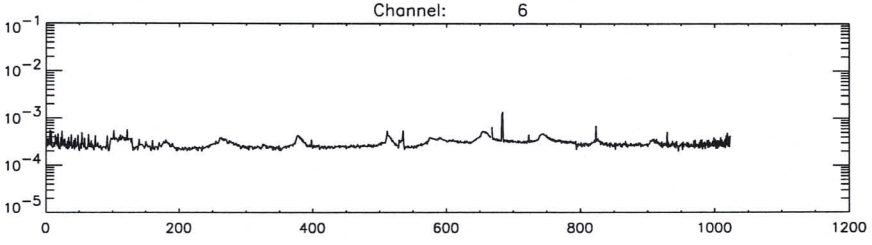
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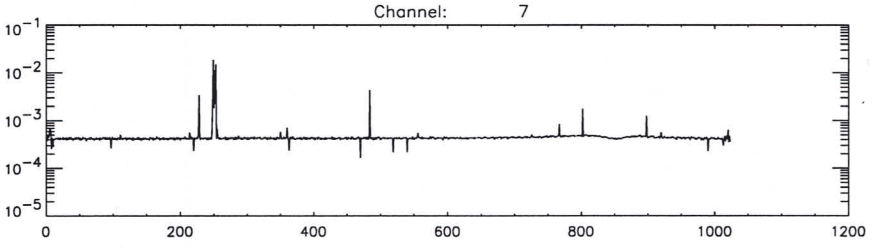
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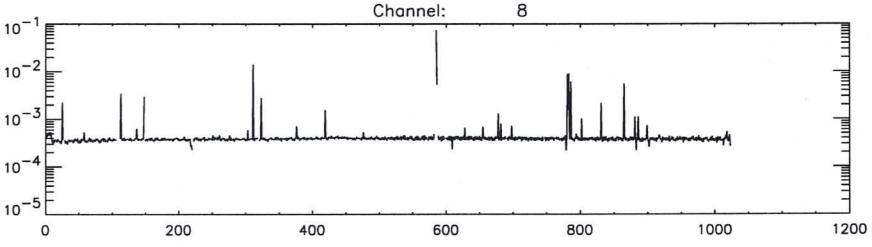
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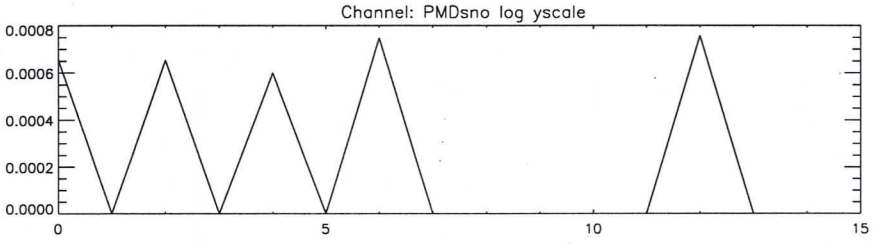
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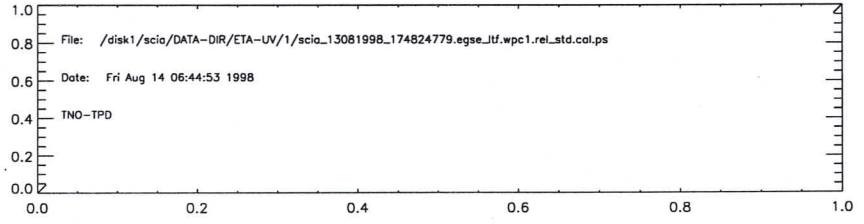
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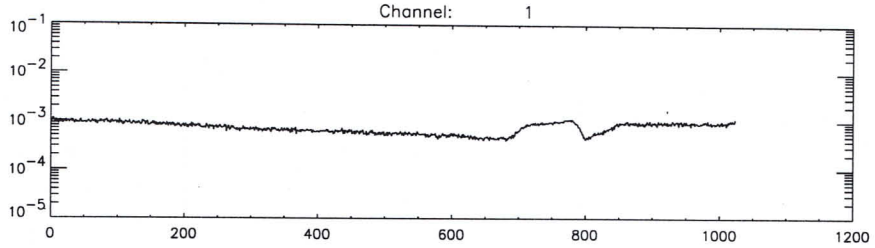
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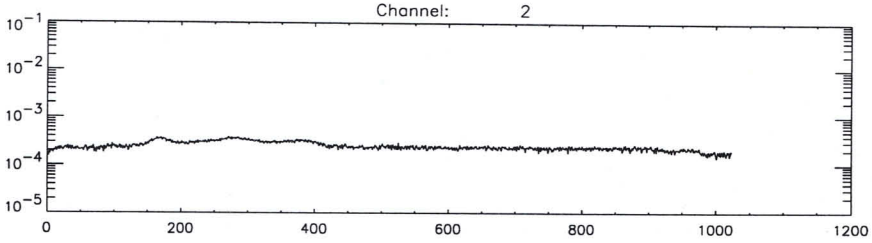
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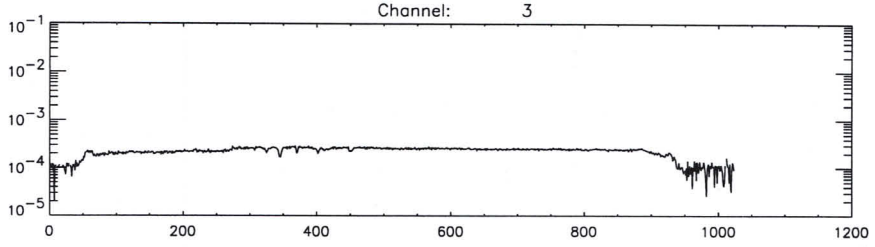
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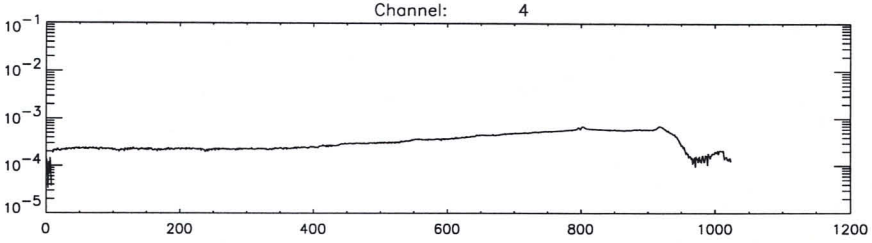
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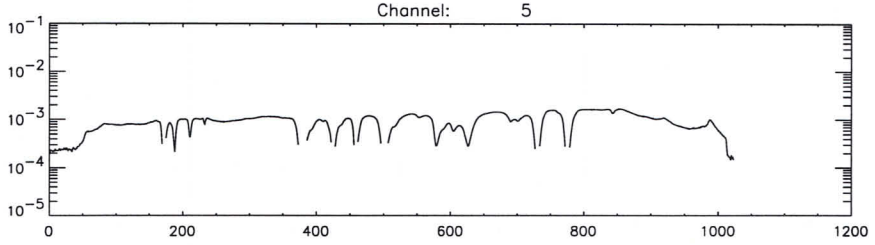
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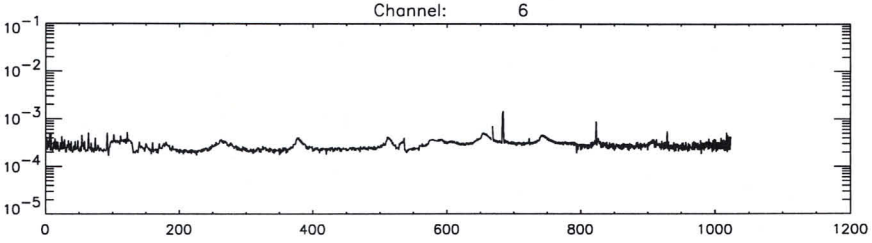
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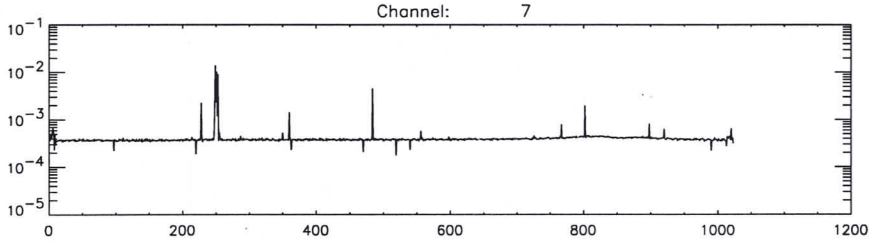
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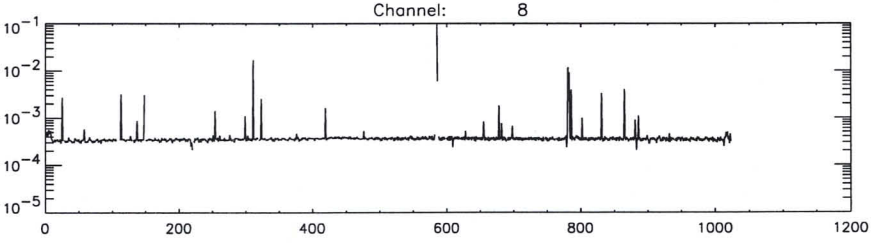
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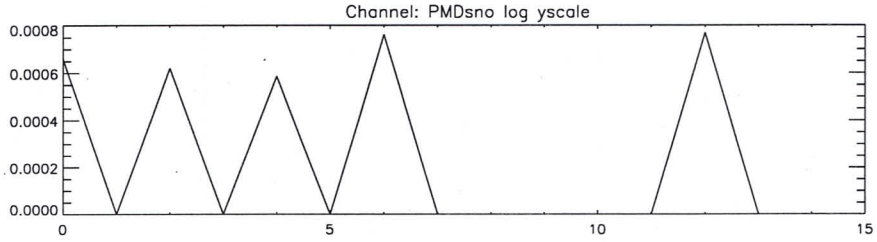
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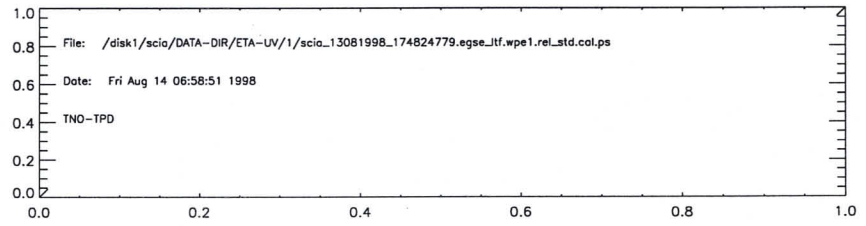
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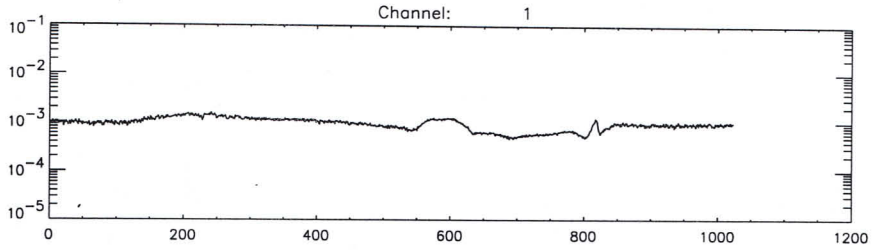
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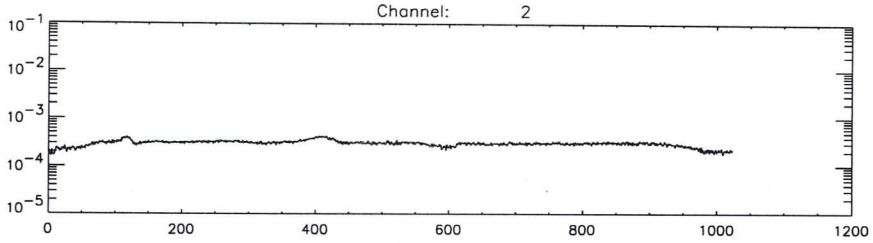
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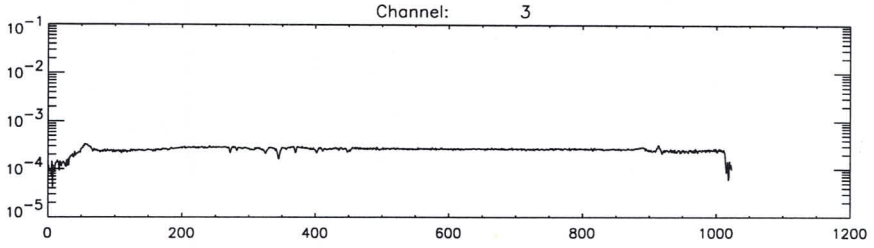
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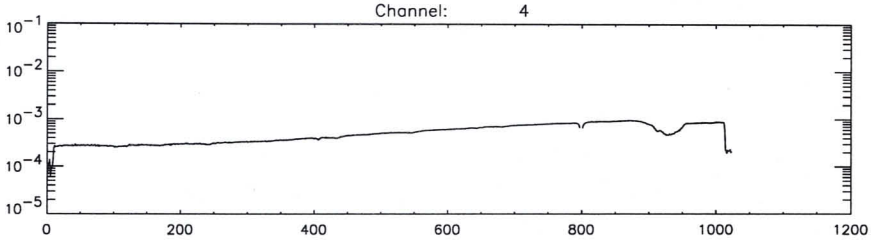
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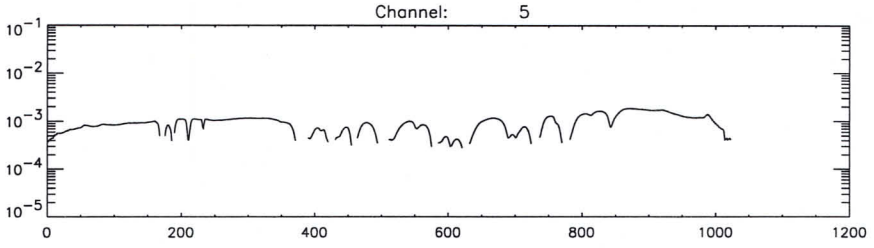
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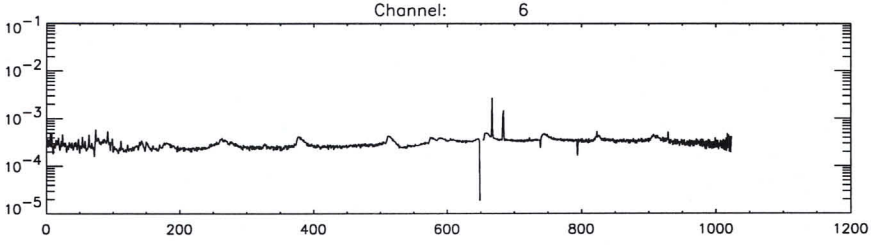
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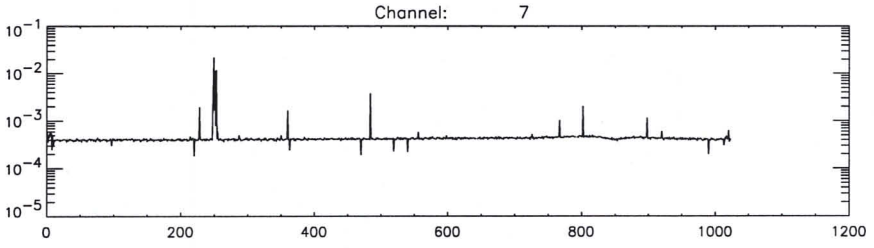
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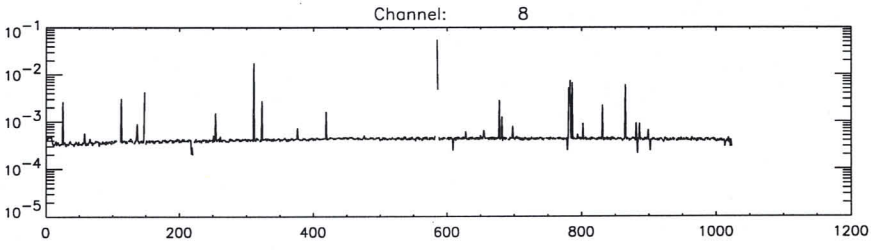
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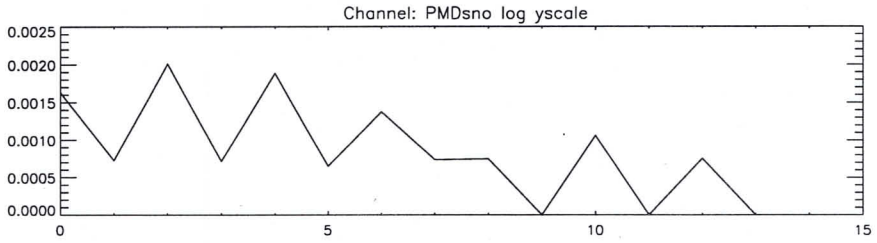
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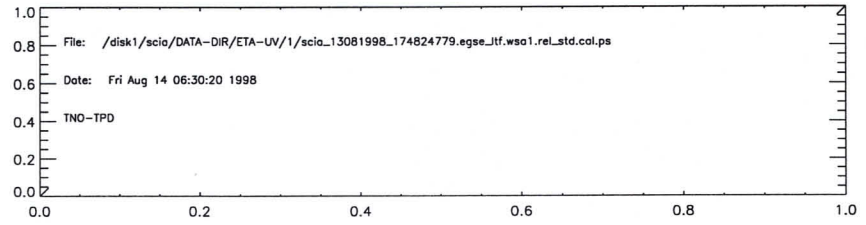
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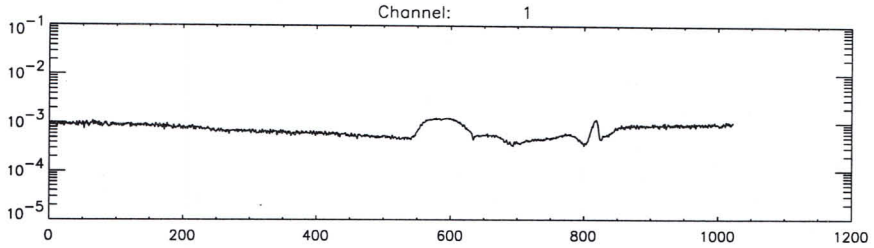
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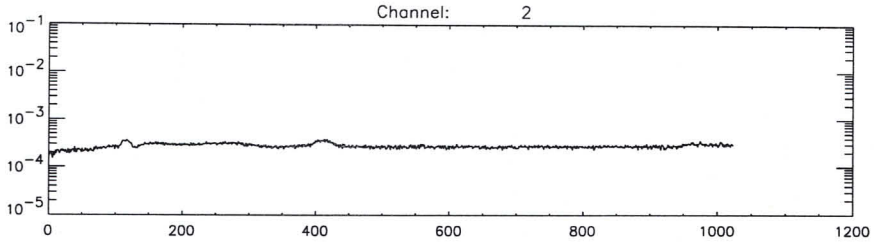
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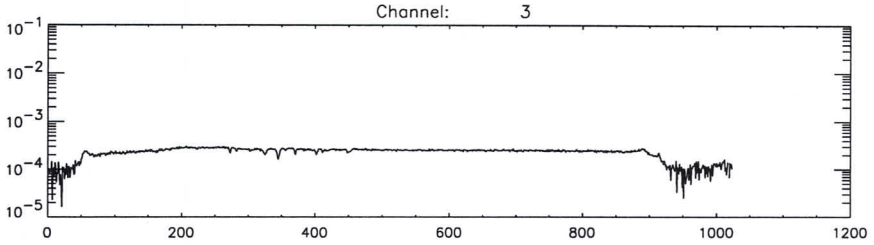
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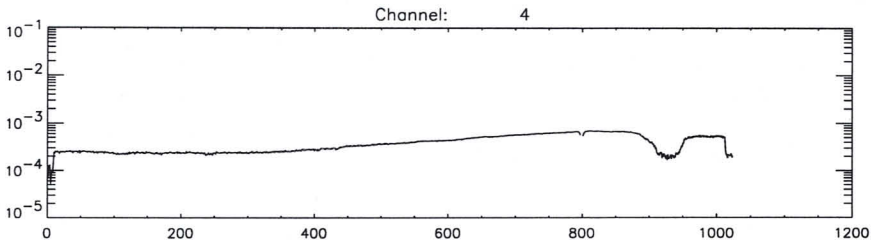
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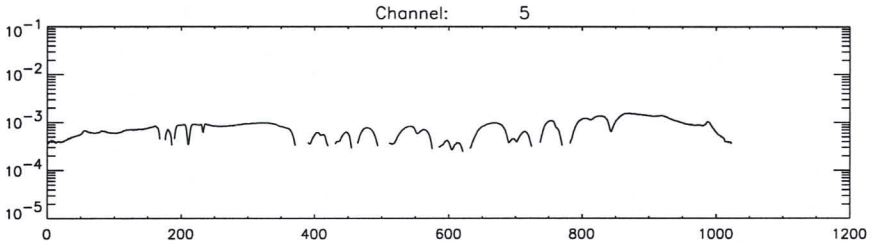
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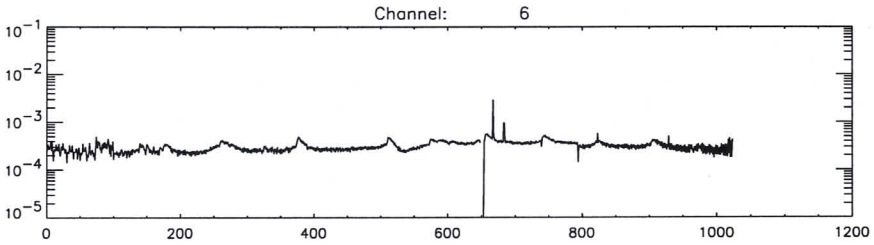
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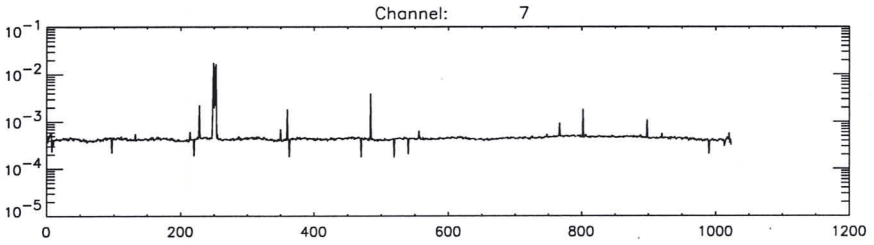
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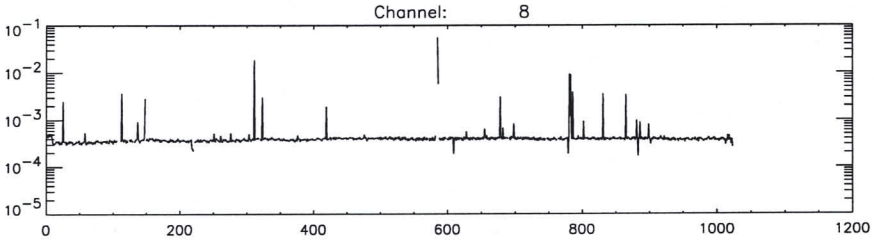
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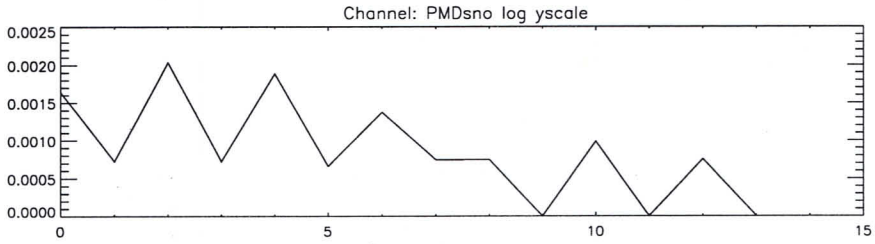
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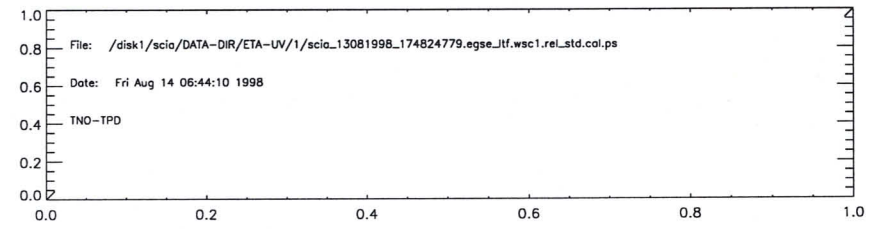
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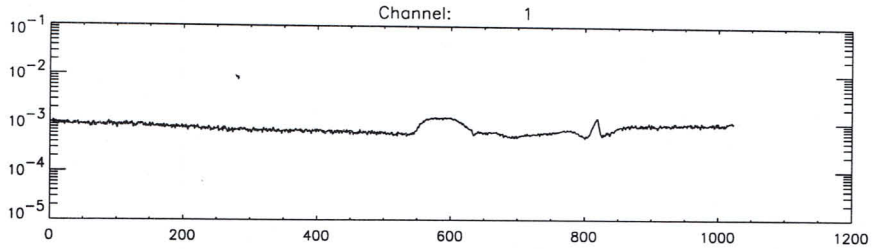
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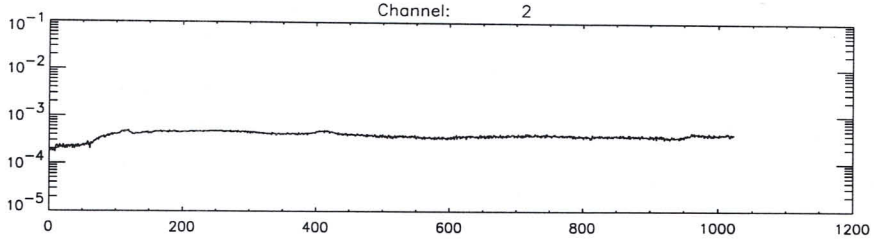
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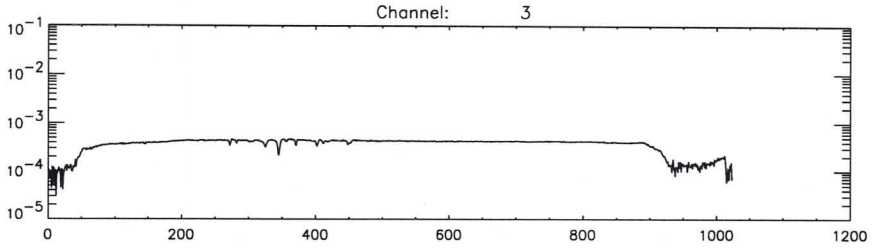
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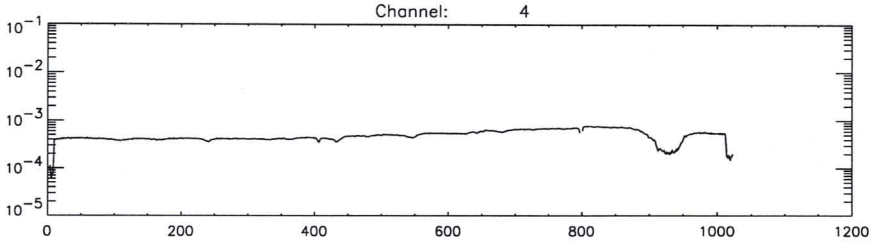
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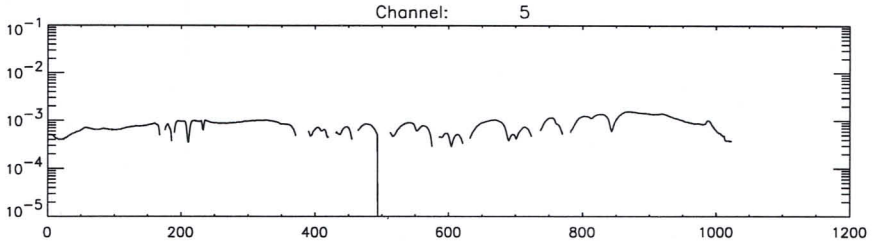
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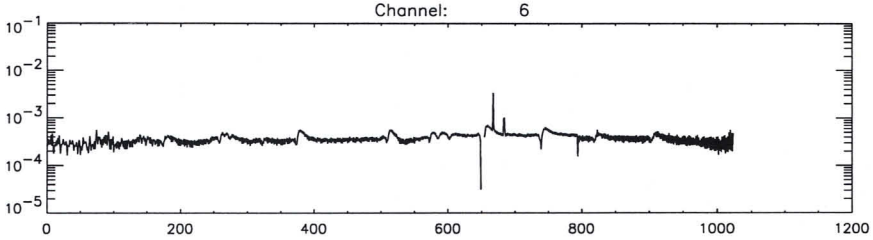
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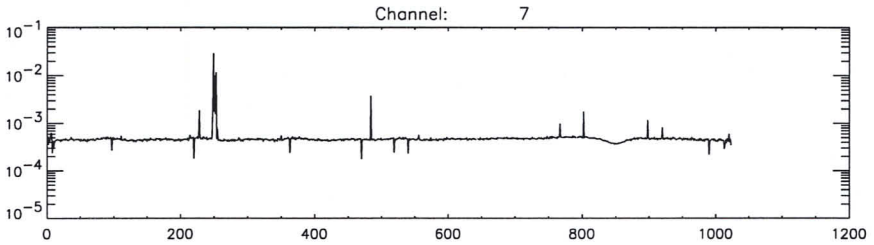
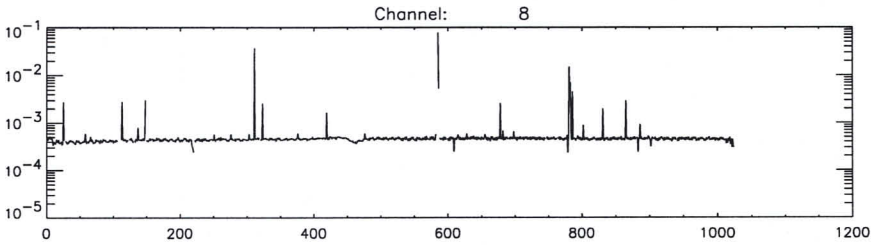
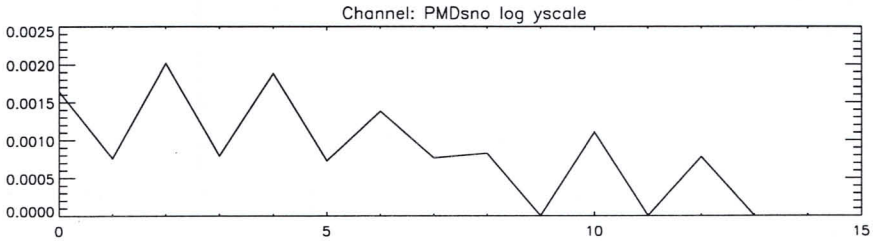
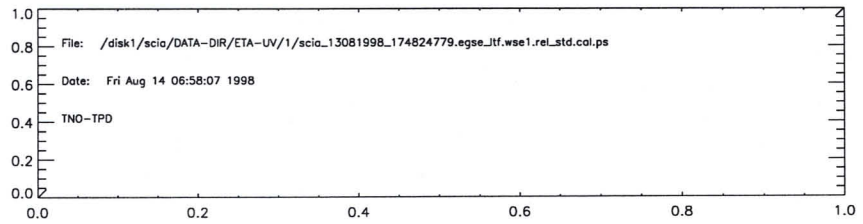
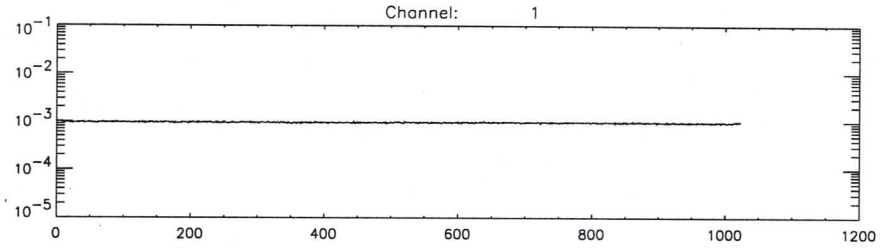
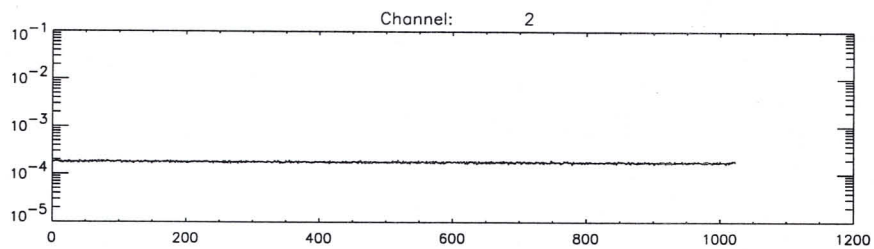

Channel: 7

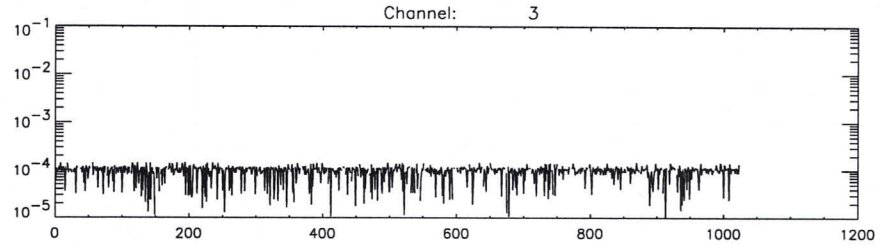

Channel: 8

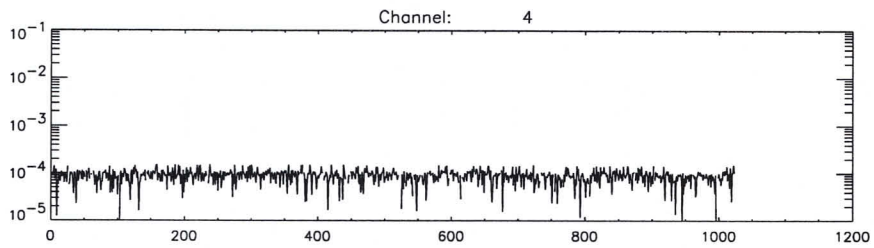

Channel: PMDsno log yscale

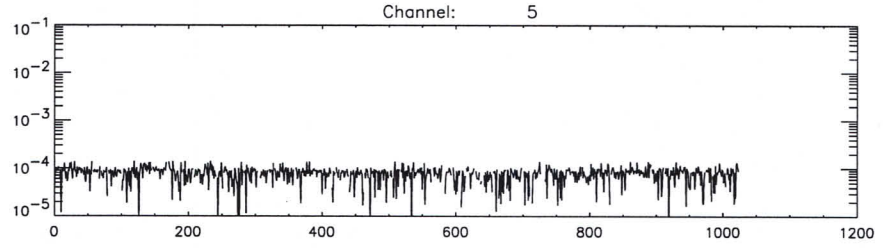

File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse1.rel_std.cal.ps
Date: Fri Aug 14 06:58:07 1998
TNO-TPD

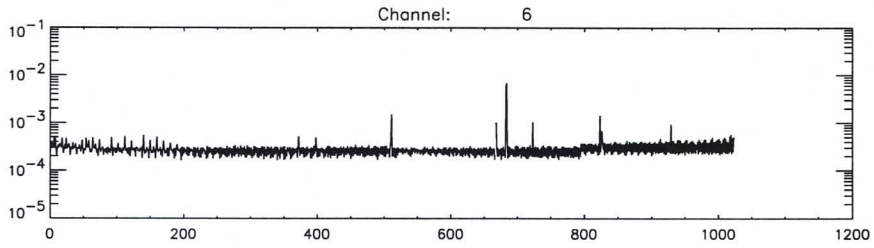

Channel: 1

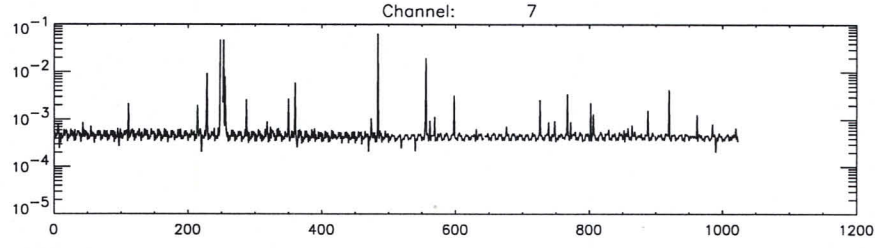

Channel: 2

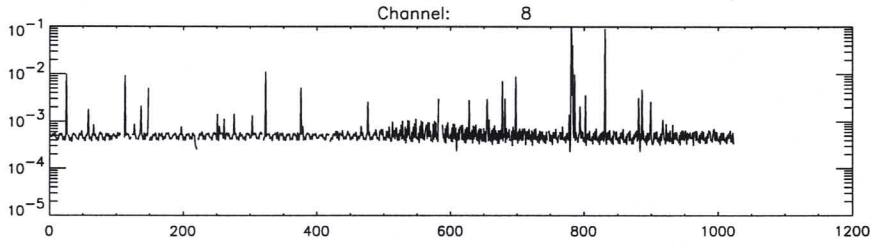

Channel: 3

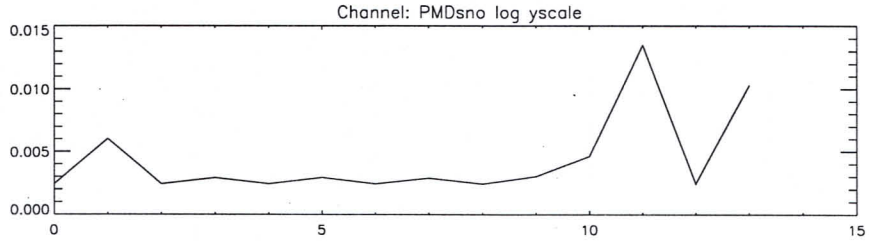

Channel: 4

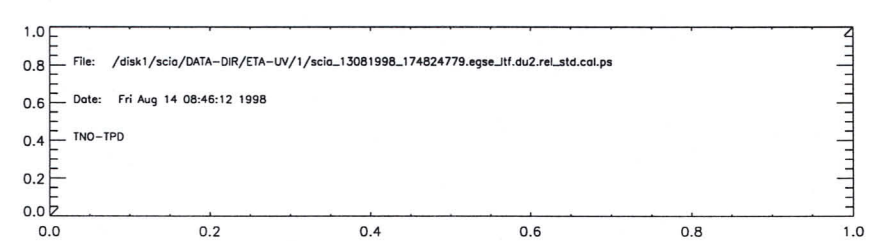

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du2.rel_std.cal.ps
Date: Fri Aug 14 08:46:12 1998
TNO-TPD

log files.

```
time       = Fri Aug 14 06:07:35 1998
batch      = du1
Start TOD = Thu 13-Aug-98 17:48:24
End   TOD = Thu 13-Aug-98 18:55:12
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:29:39 1998
batch      = du1
Start TOD = Thu 13-Aug-98 17:48:24
End   TOD = Thu 13-Aug-98 18:55:12
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Aug 14 06:08:59 1998
batch      = wpa1
Start TOD = Thu 13-Aug-98 19:01:51
End   TOD = Thu 13-Aug-98 19:08:31
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:31:03 1998
batch      = wpa1
Start TOD = Thu 13-Aug-98 19:01:51
End   TOD = Thu 13-Aug-98 19:08:31
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:44:53 1998
batch      = wpc1
Start TOD = Thu 13-Aug-98 21:15:12
End   TOD = Thu 13-Aug-98 21:21:52
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:58:51 1998
batch      = wpe1
Start TOD = Thu 13-Aug-98 23:28:49
End   TOD = Thu 13-Aug-98 23:35:28
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:08:16 1998
batch      = wsa1
   rt TOD = Thu 13-Aug-98 18:55:12
End   TOD = Thu 13-Aug-98 19:01:51
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:30:20 1998
batch      = wsa1
Start TOD = Thu 13-Aug-98 18:55:12
End   TOD = Thu 13-Aug-98 19:01:51
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:44:10 1998
batch      = wsc1
Start TOD = Thu 13-Aug-98 21:08:32
End   TOD = Thu 13-Aug-98 21:15:12
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Aug 14 06:58:07 1998
batch      = wse1
Start TOD = Thu 13-Aug-98 23:22:09
End   TOD = Thu 13-Aug-98 23:28:49
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Aug 14 08:46:12 1998
batch      = du2
Start TOD = Fri 14-Aug-98 01:35:16
End   TOD = Fri 14-Aug-98 02:41:09
Processing= computation of average, standard dev. and rel.standard dev.
```

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.log
#####
scia6
#####
Printed: Fri 09:15 Aug 14, 1998
#####
Job number: hp6mp-145
#####
#####
#####
#####
#####

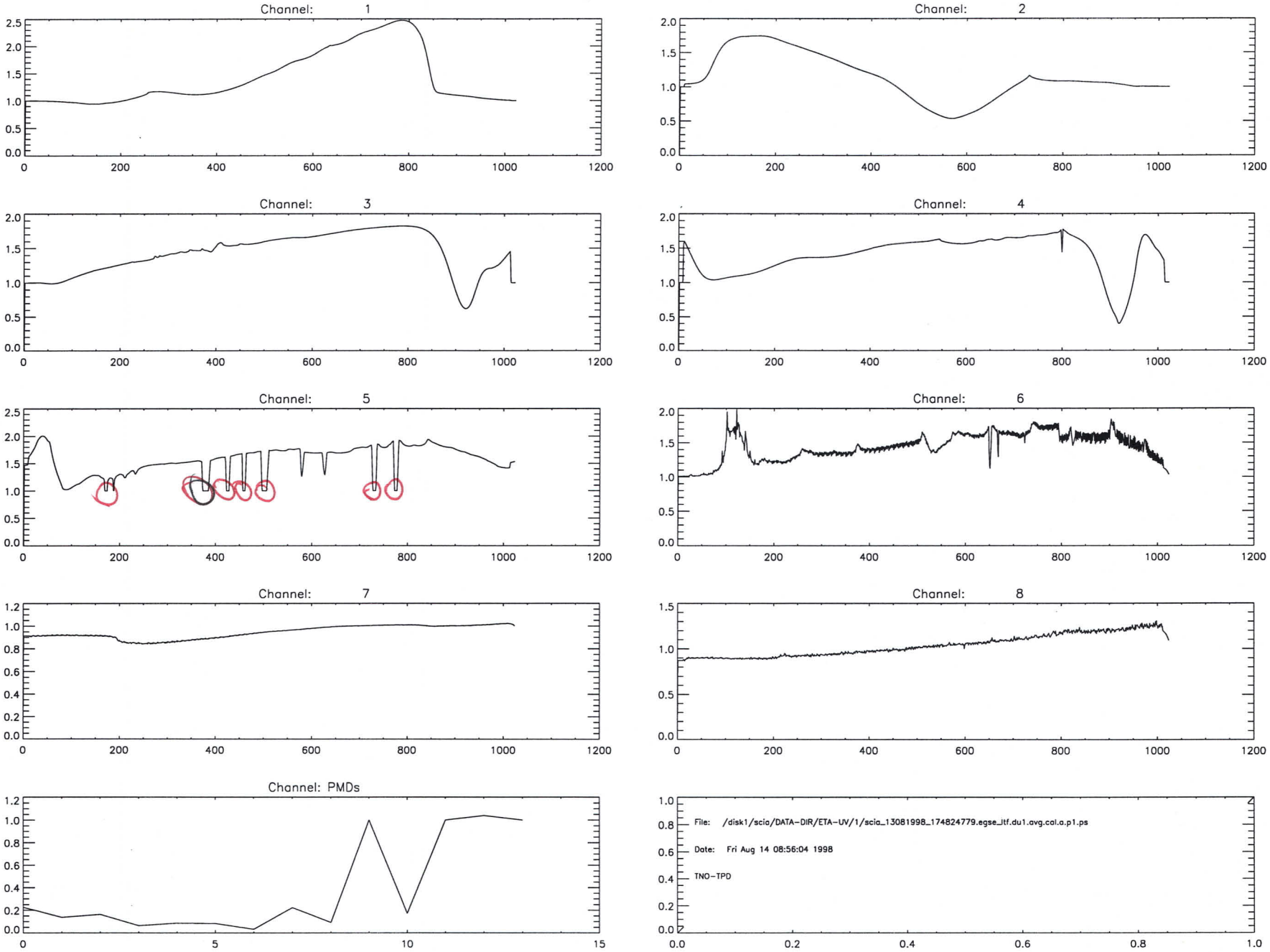
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:56:04 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:57:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.c.p
```

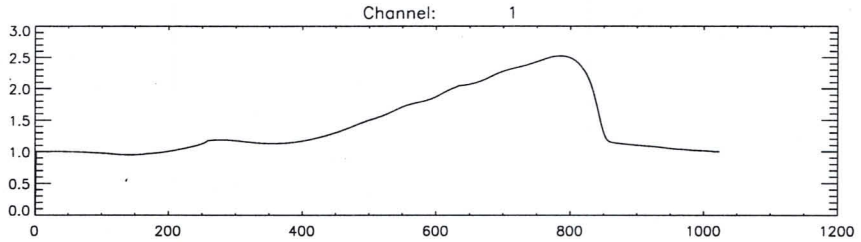
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse8.avg.cal
  /isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:58:25 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p
```

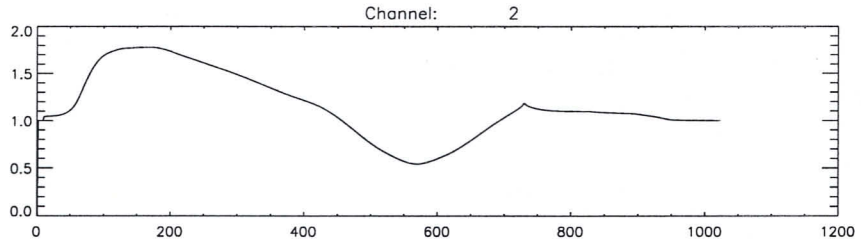
ETA Calculations.

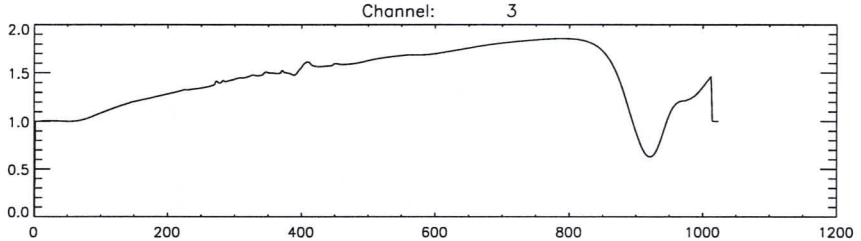
```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.ps
#####
#####             scia6
#####
#####    Printed: Fri 09:00 Aug 14, 1998
#####
##### Job number: hp6mp-143
#####
#####
#####
#####
#####
```

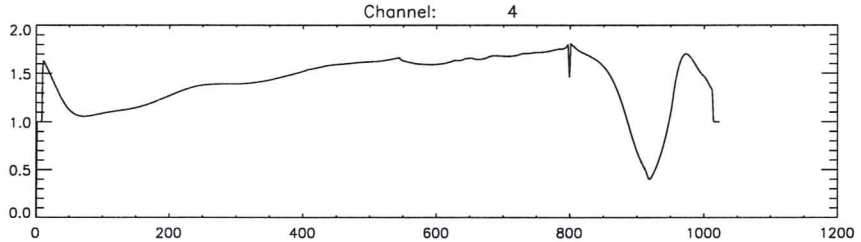

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.ps
Date: Fri Aug 14 08:56:04 1998
TNO-TPD

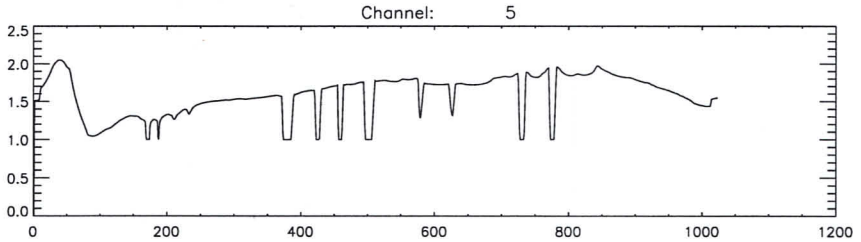
4

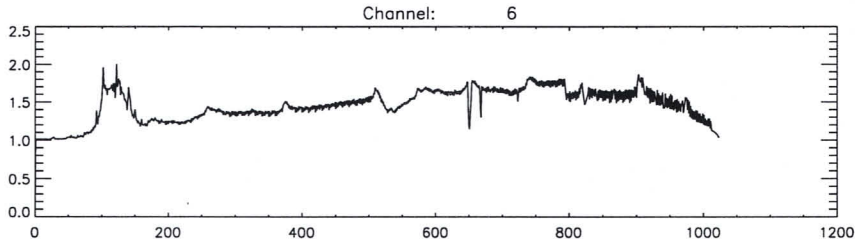

Channel: 1

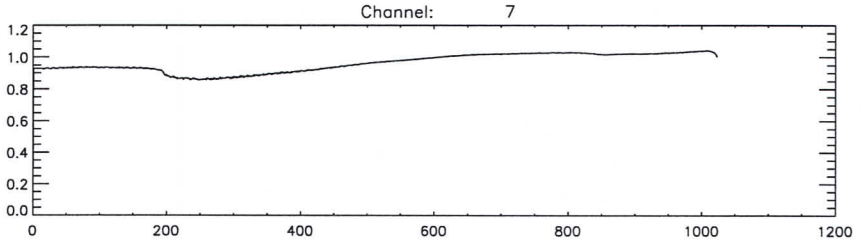

Channel: 2

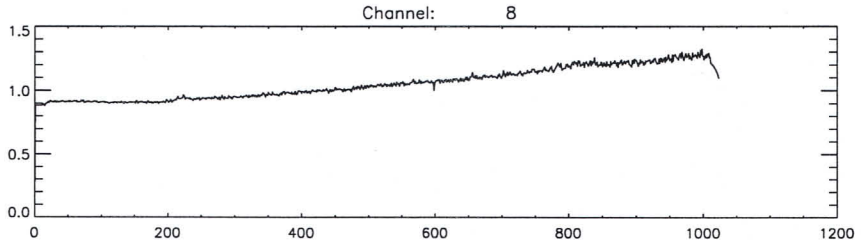

Channel: 3

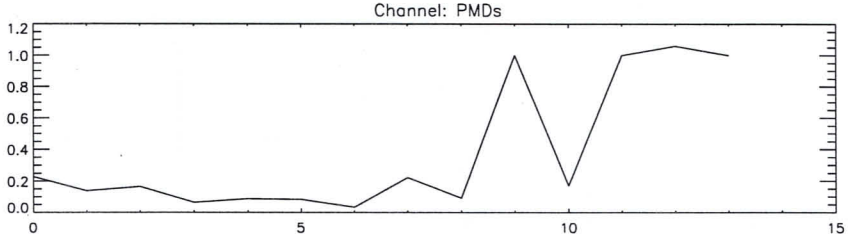

Channel: 4

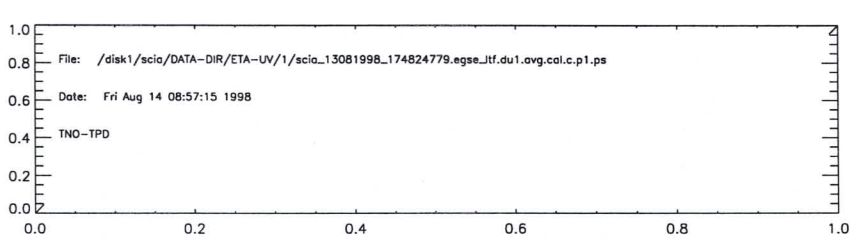

Channel: 5

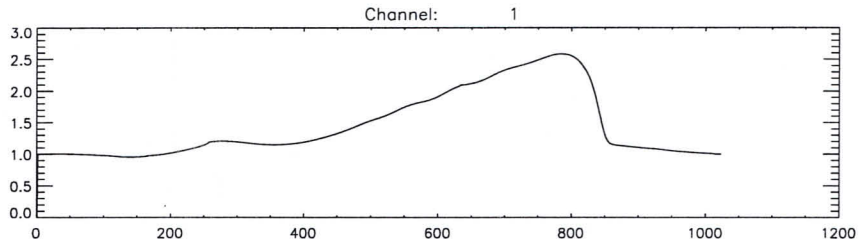

Channel: 6

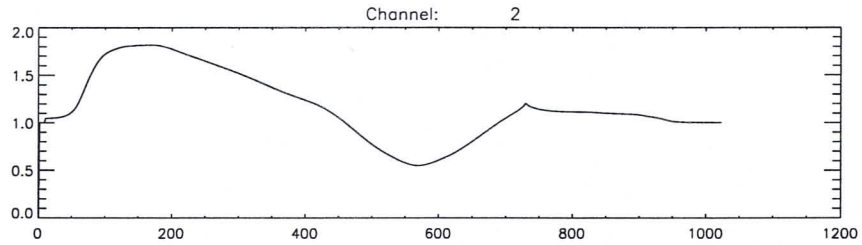

Channel: 7

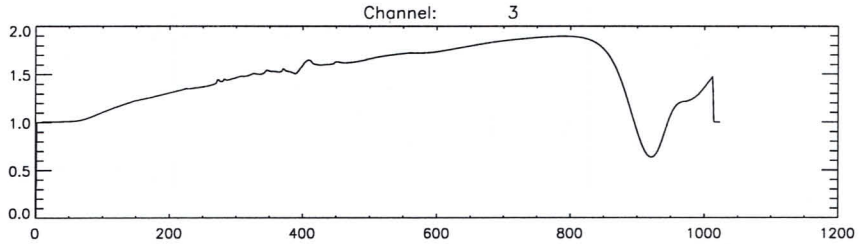

Channel: 8

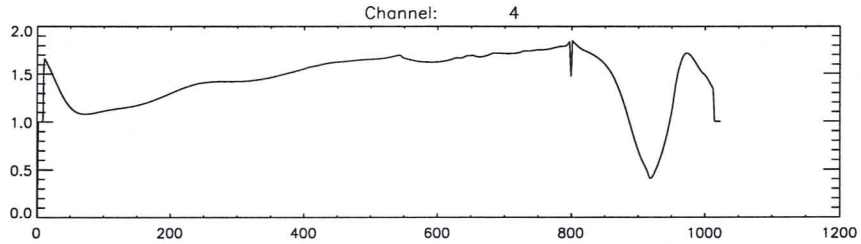

Channel: PMDs

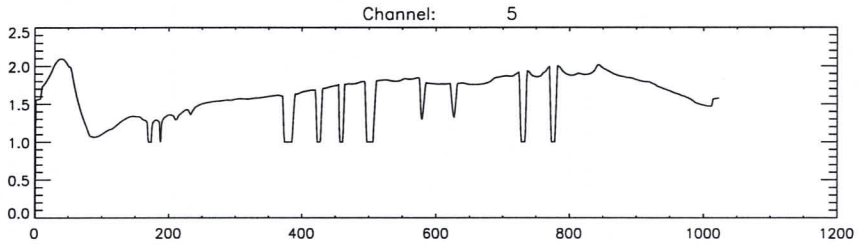

File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_itf.du1.avg.cal.c.p1.ps
Date: Fri Aug 14 08:57:15 1998
TNO-TPD

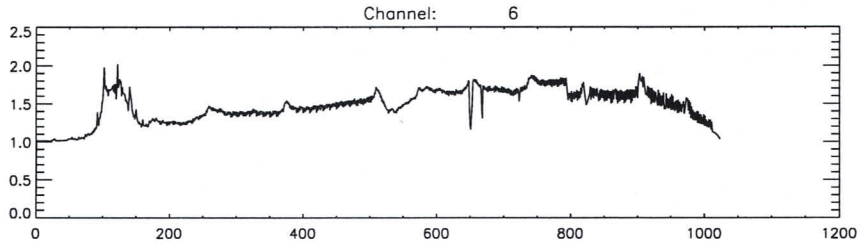

Channel: 1

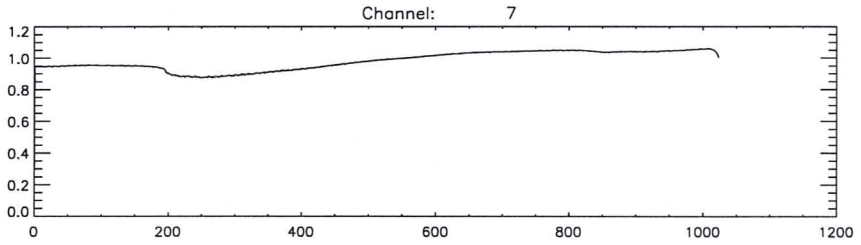

Channel: 2

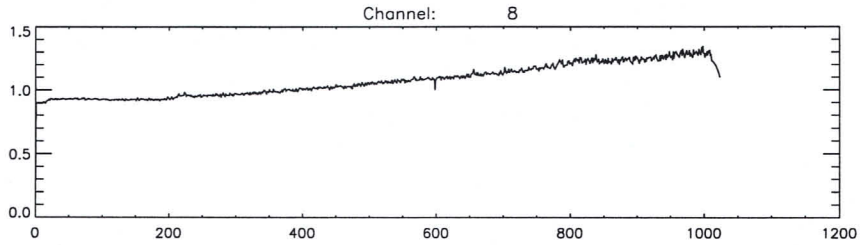

Channel: 3

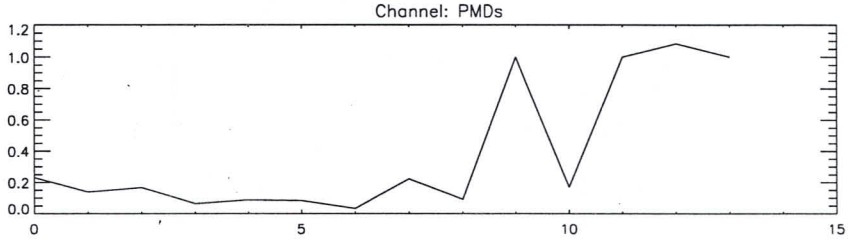

Channel: 4

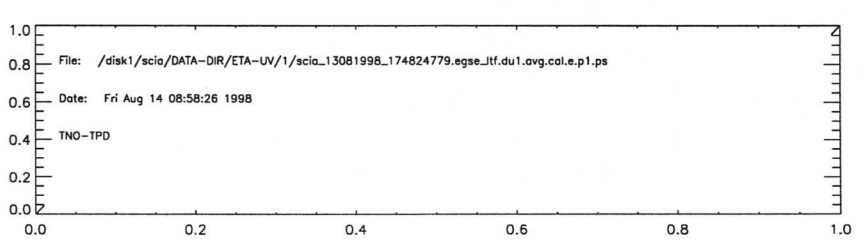

Channel: 5

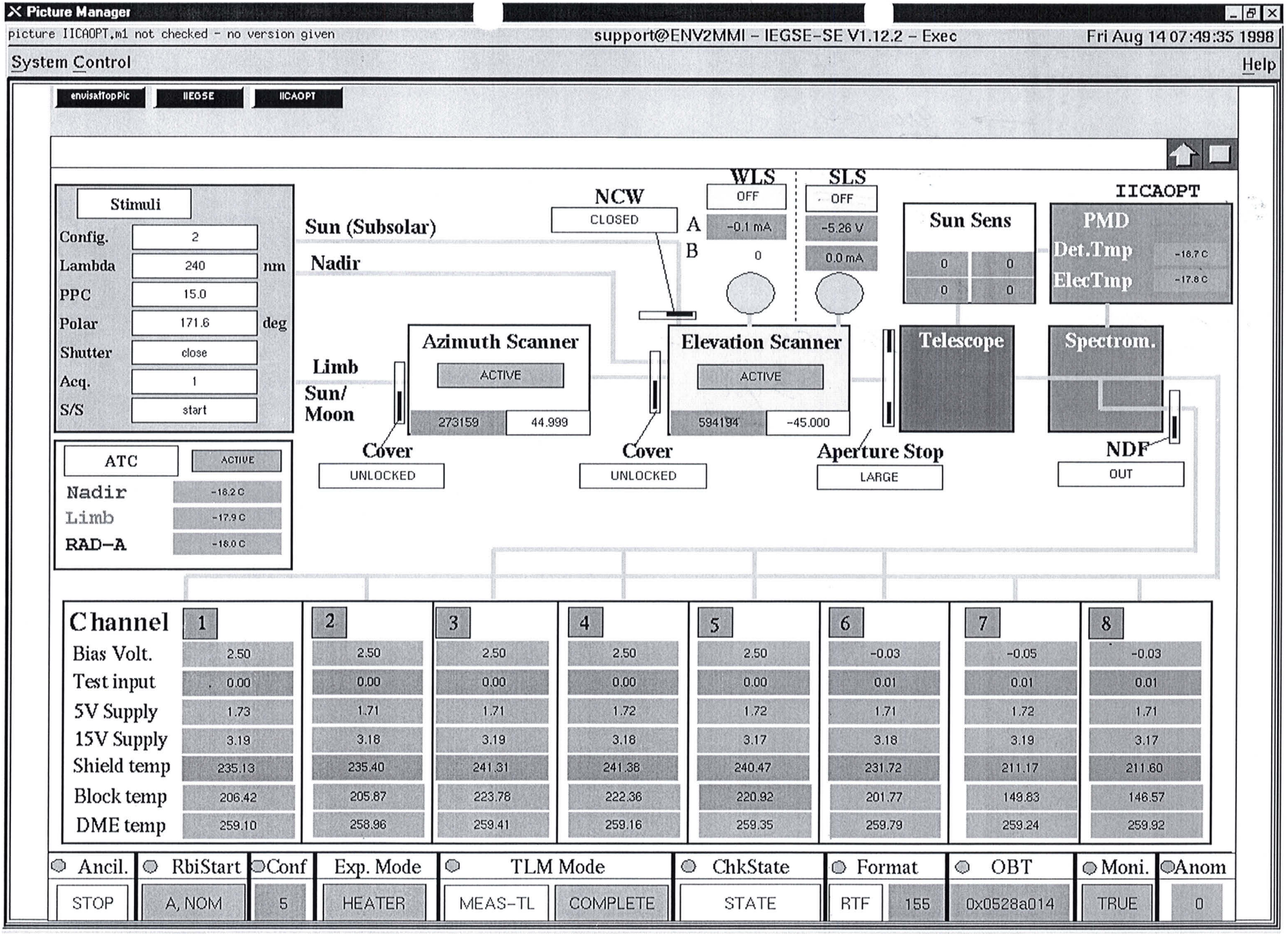

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p1.ps
Date: Fri Aug 14 08:58:26 1998
TNO-TPD


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Fri Aug 14 07:49:35 1998
System Control
Help
envisatTopPic
IIEGSE
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.1 mA
B 0
SLS
OFF
-5.26 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.13 235.40 241.31 241.38 240.47 231.72 211.17 211.60
Block temp 206.42 205.87 223.78 222.36 220.92 201.77 149.83 146.57
DME temp 259.10 258.96 259.41 259.16 259.35 259.79 259.24 259.92
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 155
OBT 0x0528a014
Moni. TRUE
Anom 0

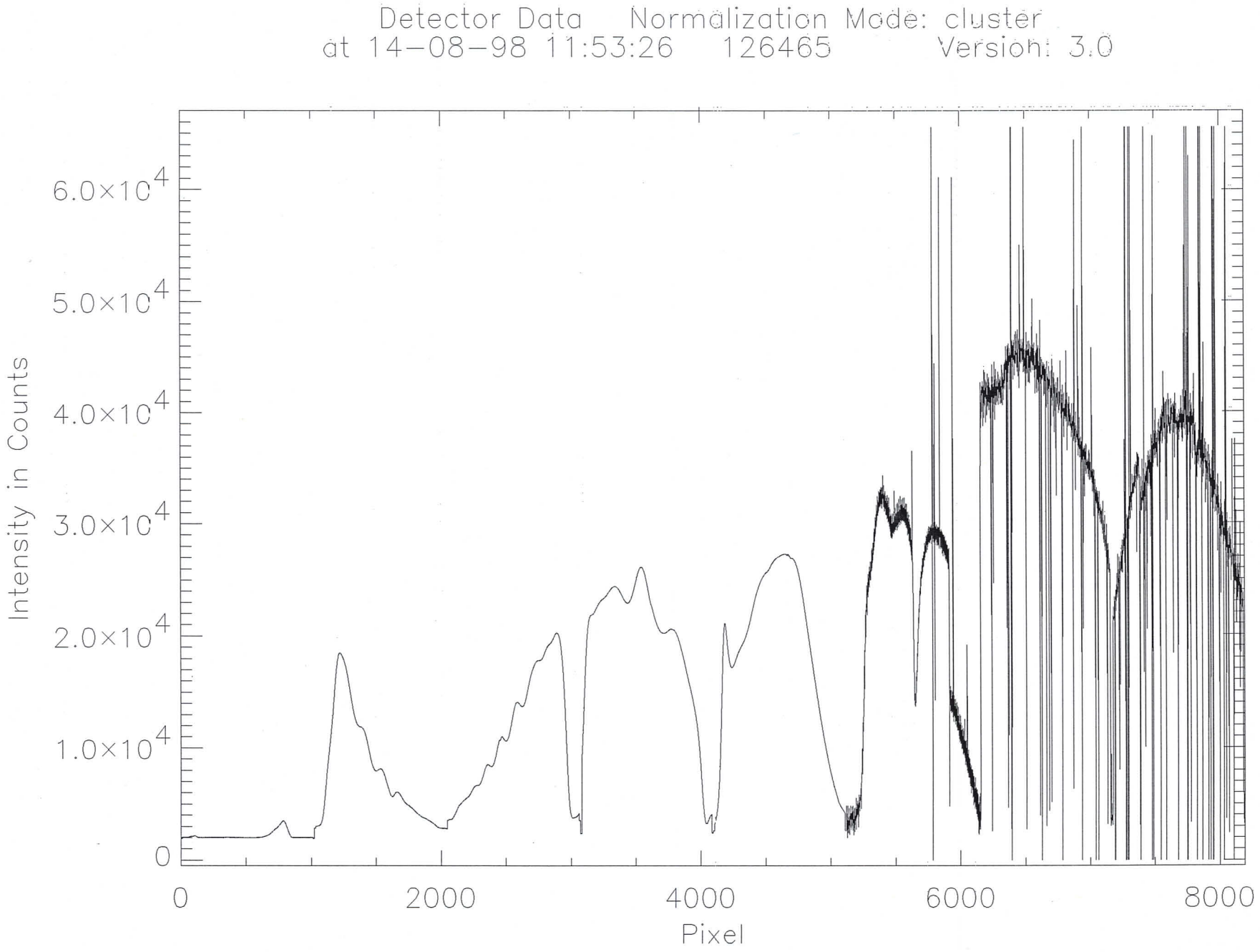
Screen Dump

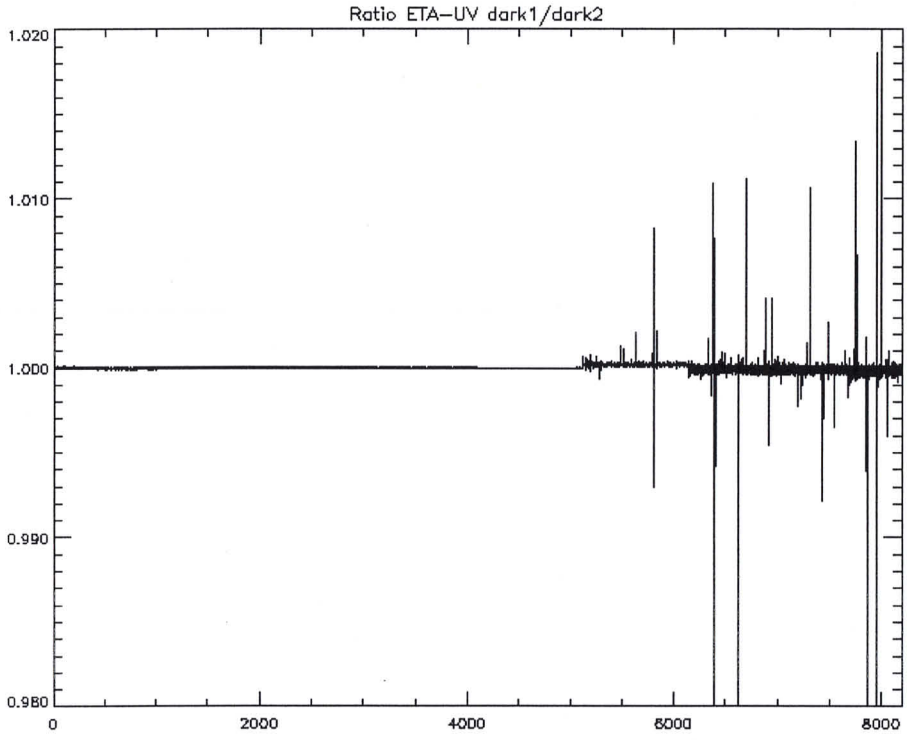
DAPB

ETA_IR

No saturation

Approximated end : 16.30




Ratio ETA-UV dark1/dark2
1.020
1.010
1.000
0.990
0.980
0
2000
4000
6000
8000

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
14/8/98	15:00 UTC einde meting, problemen met Data van EGSE. LVHD & Eta-IR.	
14/8/98	er zijn wat data files 'gerecovered' maar niet compleet, blijkt dat meting is afgebroken op UTC 11:59 (te zien op Quick-look monitor) 'Real time processing' gestopt op dat moment, zonder foutmelding op het hoofdscherm.	
	Resterende Data kan niet gereparseert/gevonden worden, meting moet opnieuw gedaan worden.	
14/8/98	17:40 UTC. Dornier team is bezig met probleem en doet kleine testrun. (systeem is opgeschoond) i.v.m. wachten op hun 'oke'.	
14/8/98	test Run (WLS zonder licht) succesvol. kan gestart worden met verdeam LVHD & Eta-IR	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
14/8/98	18:15 UTC Start meting UVD8 Eta-1K	
14/8/98	UVD8 meting verlopen met zelfde problemen als laatste maal. → Volgens Dennien zit probleem niet in control file maar in DAPB (zijnde de twee 19" racks met HP apparatuur) welke niet door Tony of Peter veranderd kunnen worden. Bellen + Hacken mit Duitsland op EGSE.	
	→ verkorte test vrijwel perfect.	

Formal Run of Measurement

(Measurement ID) [redacted] ETA_IR

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45.00	deg
Elevation	−45.00	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	13									
Repetitions	5									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	#1						
2b	16	4						
2a	16	4						
3	0.5	8						
4	0.25	16						
5	0.25	16						
6	0.03125	64						
7	0.0625	64						
8	0.25	16						
State ID								

Niet compleet opgeslagen wel afgemaakte control file

Problem met data retrieve

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2	15.0	171.6	close	1	240	240	0	10	DV1	12
2.1	2	15.0	171.6	open	1	240	240	0	10	WSd#	20
2.2	2	15.0	85.4	open	1	240	240	0	10	WPd#	20
3.1	2	5.0	171.6	open	1	240	240	0	10	WS6#	20
3.2	2	5.0	85.4	open	1	240	240	0	10	WP6#	20
4	2	5.0	85.4	close	1	240	240	0	10	DV2	8

Measurement Data Description

Test Purpose	
Remark	UID 8
Data Directory	022607.41.12_ETA_IR

Signatures

	Date	Signature
Issued	14/8/98	
< Performed		

data in DATA-DIR/ETA-IR/1

ETA-IR

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	BB + BZW	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	Scia_14081998_*	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	cd ~/DATA-DIR/ETA-IR/ ; ls -l highest number in directory? New directory: mkdir <B+1> ls -l What's now the highest number in directory? <C> should be <B> + 1 directory name is:	1 Y / N ~/DATA-DIR/ETA-IR/<C>	Note: In window DATA-DIR (B) (C) (DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	cal_raw2ltf . (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and dremark1 labels should be filled) ls -l *.egse_ltf What's the name of the egse_ltf file <D> should be <A>.egse_ltf	Scia_14081998_074432609.egse_ltf Y / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
Cnstr CAL files	idl run_averscia (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: ls -l *du*.avg.cal size: S-pol file: ls -l *ws*.avg.cal size: P-pol file:		should be approx 150Kb should be approx 150Kb

niet alle data + verkeerde labels.

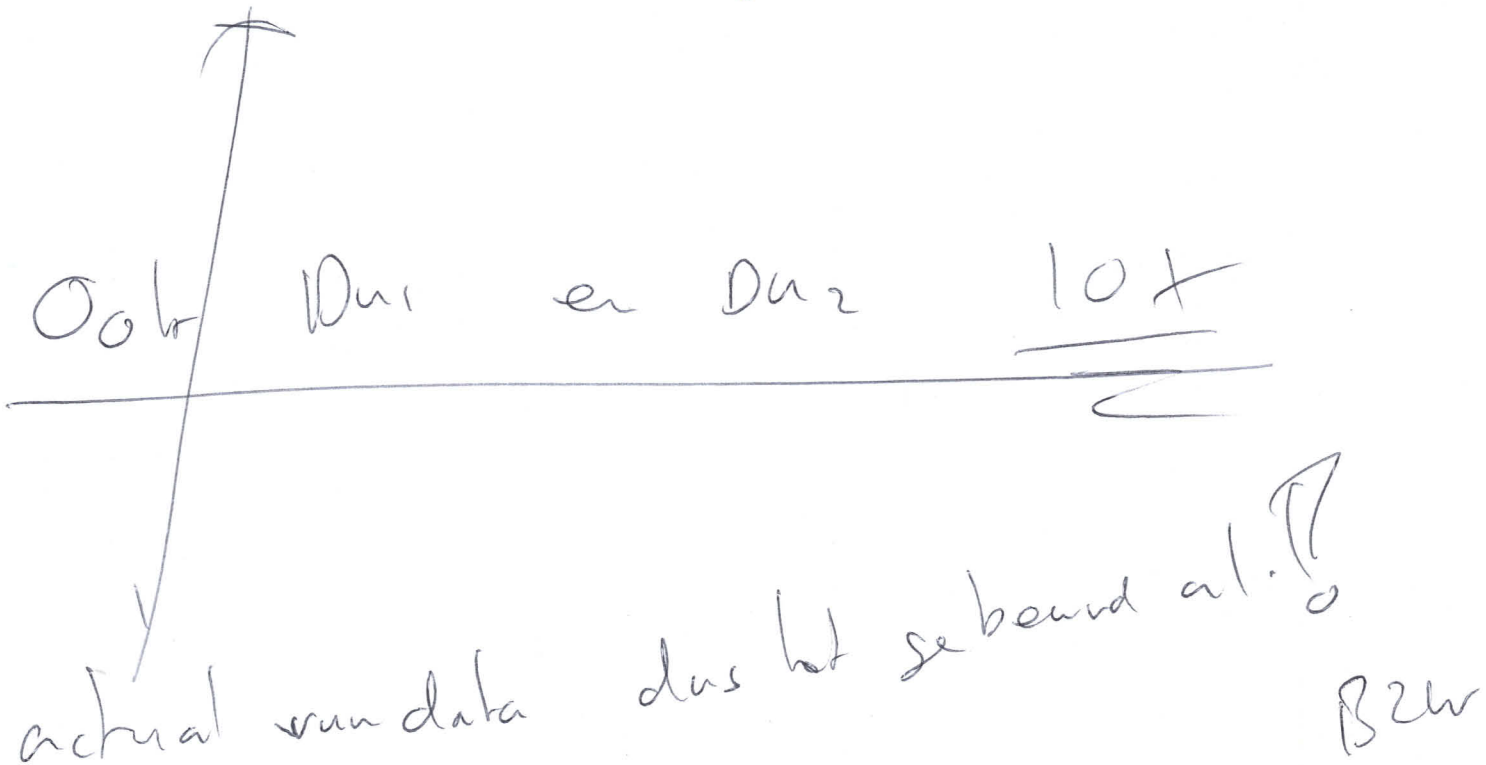
	`ls -l *.wp*.avg cal`		
	size:	_____	should be approx 150Kb
	Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels (b) Check if enough disk space is available (Unix command `df -k | more`).		
Print postscript	Print postscript files: `lpr -P<printer> *.ps` Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels:	Y / N	
	Contents P file `*wp*.avg.cal` should resemble white light source:	Y / N	
	Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source:	Y / N	
	Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels.	Y / N	
	If not, value is:	_____	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.log`		
	Add logfiles to logbook, done	Y / N	

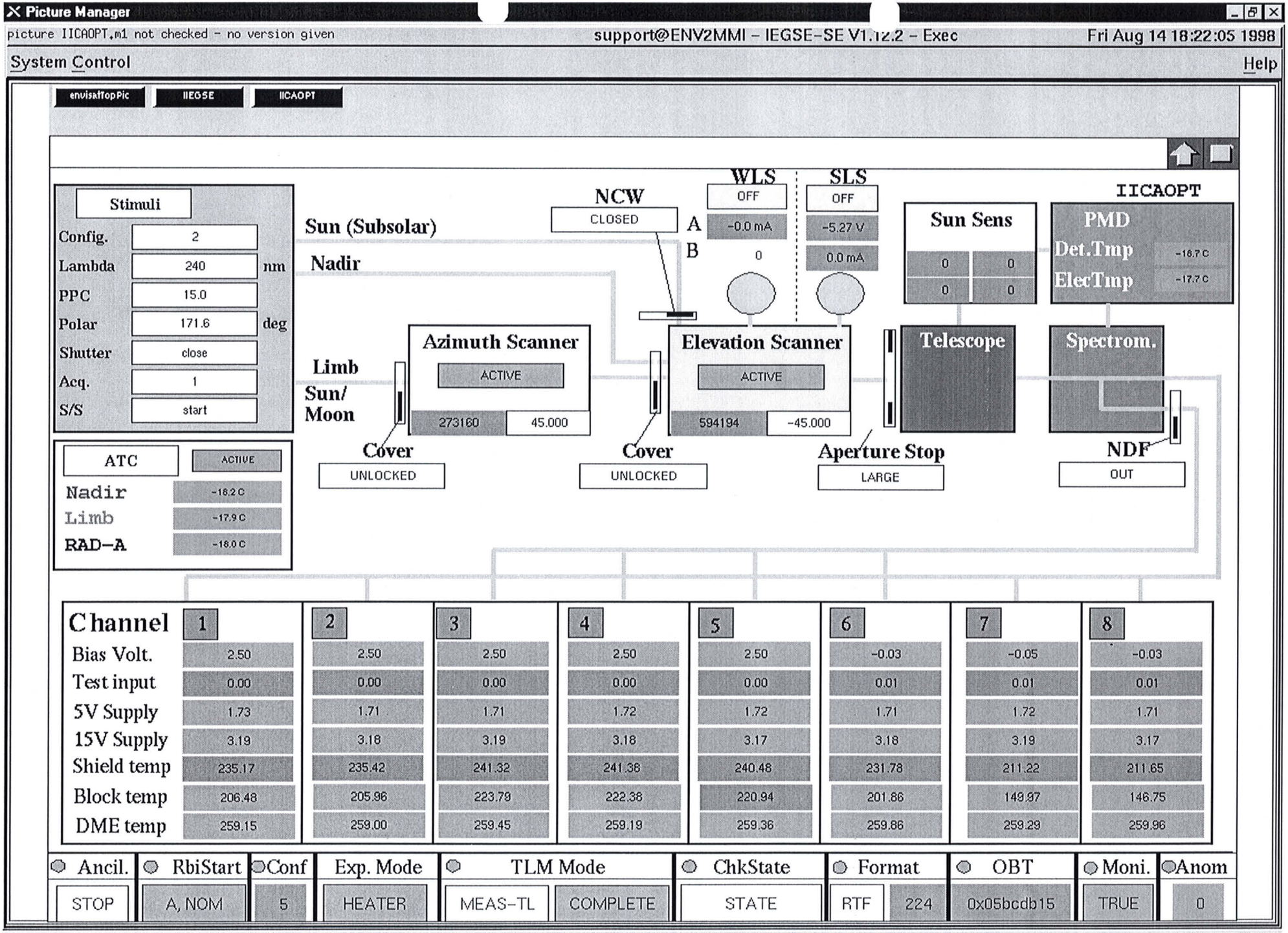
ETA processing

Run ETA	`idl do_eta`		In IDL window
Check ETA	`ls -l *.p1.* | more`		In DATA-DIR window
	Size of file `<D>.du*.avg.cal.[b|d].p1.cal`	_____	should be approx 150Kb
	Size of file `<D>.du*.avg.cal.[b|d].p1.log`	_____	

Check ETA visually	Size of file `<D>.du*.avg.cal.[b|d].p1.ps`	_____
	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (In channels 5-8).	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	Y / N
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp
	Name of backup CDs	_____
Sign:	Name	_____
	Date and time	_____
	Signature	_____

ETA_IR	1	2	15.0	171.6	close	1 start	240	240	0	10	DU1	12	Dark
ETA_IR	2.1	2	15.0	171.6	open	1 start	240	240	0	10	WSd#	20	QTH-Lamp | s polarized | PPC=15 deg
ETA_IR	2.2	2	15.0	85.4	open	1 start	240	240	0	10	WPd#	20	QTH-Lamp | p polarized | PPC=15 deg
ETA_IR	3.1	2	5.0	171.6	open	1 start	240	240	0	10	WSb#	20	QTH-Lamp | s polarized | PPC=5 deg
ETA_IR	3.2	2	5.0	85.4	open	1 start	240	240	0	10	WPb#	20	QTH-Lamp | p polarized | PPC=5 deg
ETA_IR	4	2	5.0	85.4	close	1 start	240	240	0	10	DU2	8	Dark





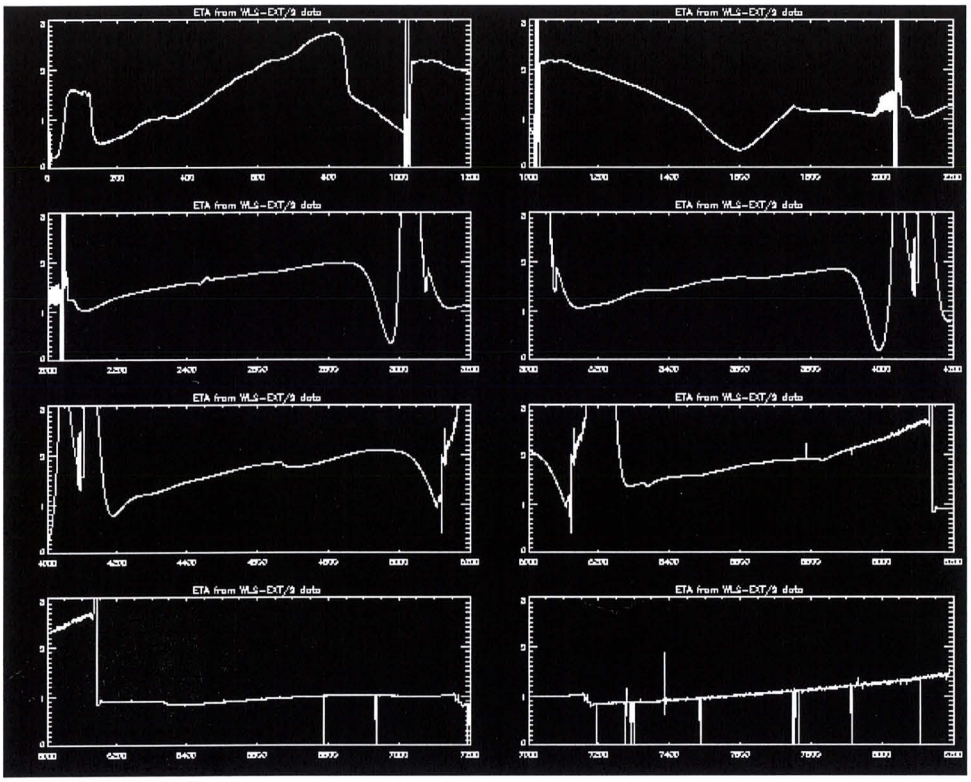
Start Eta-IR 14-08-98
Schone start, um IEGSE

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
15-08-98	A. Bos:	
	① This should be cleared !	
	According to M. te Plate, will the ultimate eta information of channel 5 be collected from ETA-IR. ~~be collected from~~ (wpr #)	
	However, the PPC setting of 18.3 of the ETA-UV msmt is optimized for wavelength region 400-1000 nm. (i.e., also for channel 5, which runs from ≈750 - 1000 nm).	
	The analysis software uses the ETA-UV msm for calculating the	
	② "ETA" bepaalt met WLS-EXT data (WLS-EXT/9)	

ETA uit
de WLS-EXT - meting.



Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	A. Bos: description of action	measuremement filename
15-05-98	At ~~11:00 (~~ 21:00 (UTC) 14-05-98	
	~~a not~~ has been	
	ETA-IR ✓ tried again.	
	After ± 1½ hour ETA-IR failed!	
	Data Retreived :	
	msm stopped at (dremulkl label)	
	Wsd6	
	(Files Wsd6.* deleted because corresponding	
	p-files not measured) :	
	So we have 1 eta-ir for d (PPC-setting 15°)	

ETA-IR

Partial data !!

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	A. Bos 15-oct-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_1405199B-210634. 21061063 4	(A)
	Setup a three-window configuration on your SUN.		see course descr.
			Note: In window DATA-DIR
Cnstr directory	cd ~/DATA-DIR/ETA-IR/ ; ls -l highest number in directory?	1	(B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory?	2	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	~/DATA-DIR/ETA-IR/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	cal_raw2ltf . (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and dremark1 labels should be filled) ls -l *.egse_ltf		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	see A	(D)
	<D> should be <A>.egse_ltf	Y / N	
Cnstr CAL files	idl run_averscia (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: ls -l *du*.avg.cal	came to dremark1 label wsd6	
	size:		should be approx 150Kb
	S-pol file: ls -l *ws*.avg.cal	however files with wsd 6 deleted because there is no P-pol file present	
	size:		should be approx 150Kb
	P-pol file:		

`ls -l *.wp*.avg cal`

size: _____ should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:
`lpr -P<printer> *.ps`
Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / N

Contents P file `*wp*.avg.cal` should resemble white light source: Y / N

Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source: Y / N
Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is: _____

Add postscript images to logbook, done Y / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N

ETA processing

Run ETA

`idl do_eta` In IDL window

Check ETA

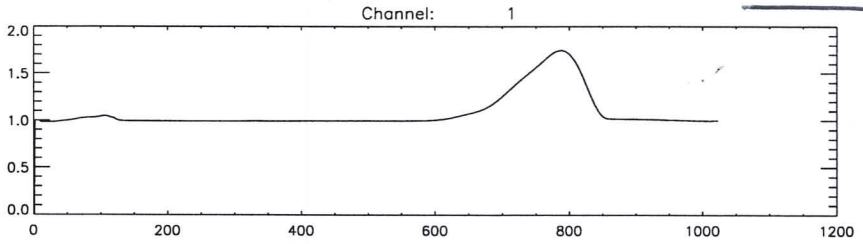
`ls -l *.p1.* | more` In DATA-DIR window

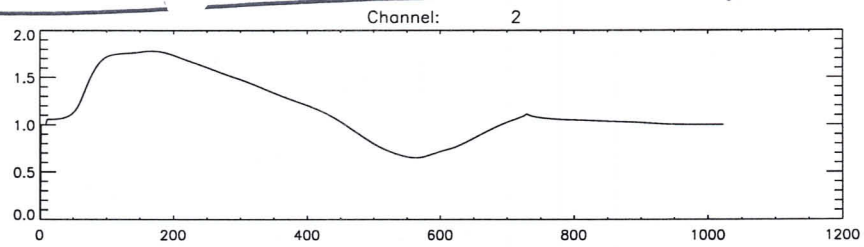
Size of file `<D>.du*.avg.cal.[b|d].p1.cal` _____ should be approx 150Kb

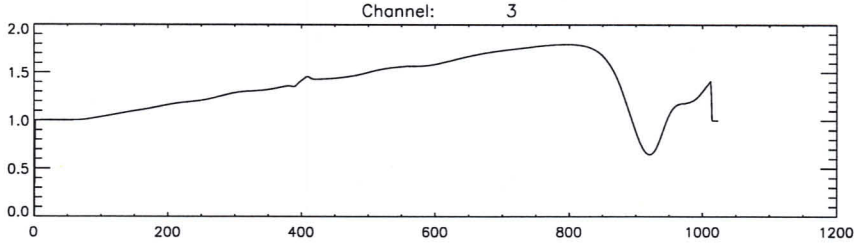
Size of file `<D>.du*.avg.cal.[b|d].p1.log` _____

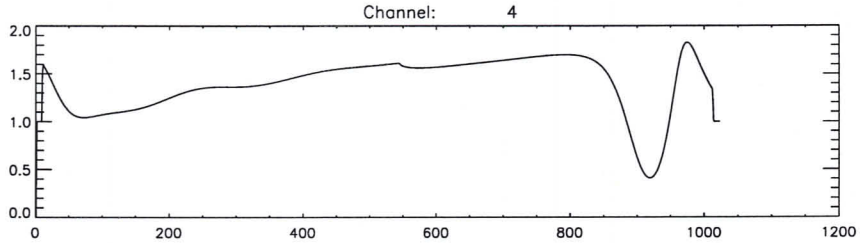
Check ETA visually	Size of file `<D>.du*.avg.cal.[b|d].p1.ps`	
	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (In channels 5-8).	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	Y / N
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp
	Name of backup CDs	150595A
Sign:	Name	
	Date and time	
	Signature	

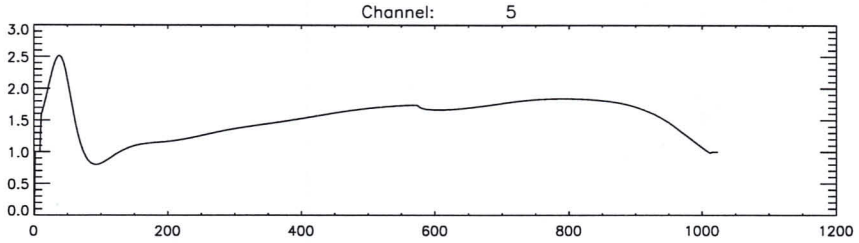
ETA-IR (WP1) PPC-setting 15 degrees

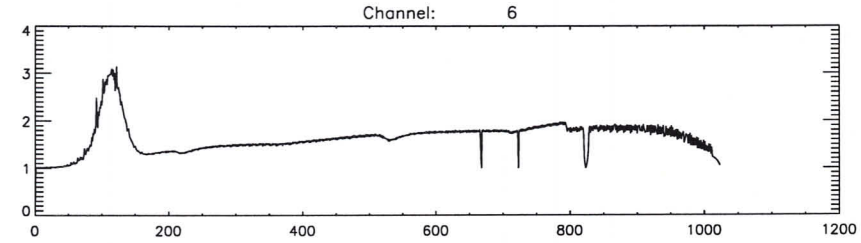


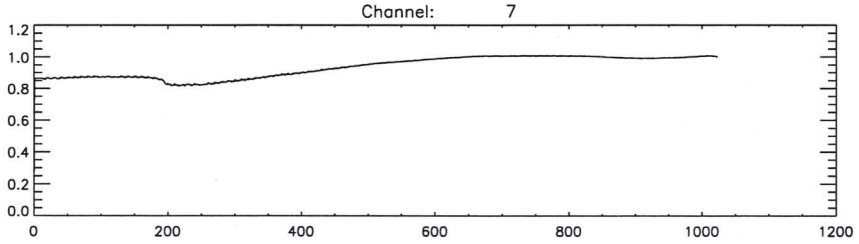


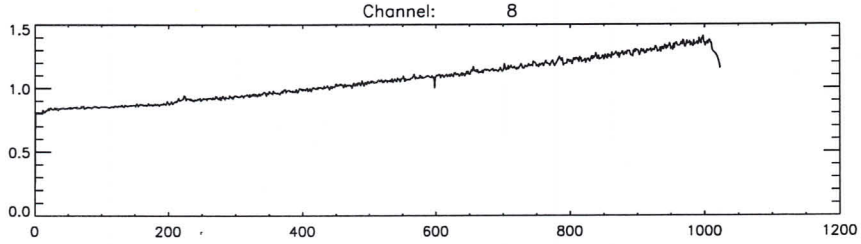


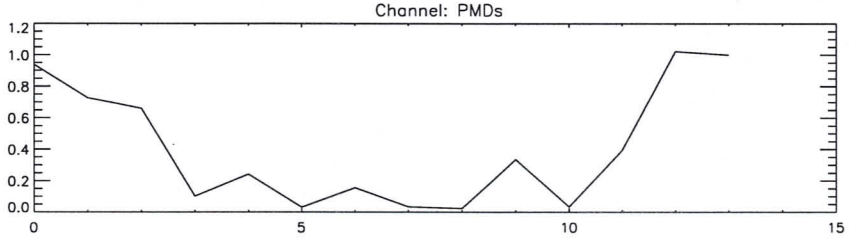


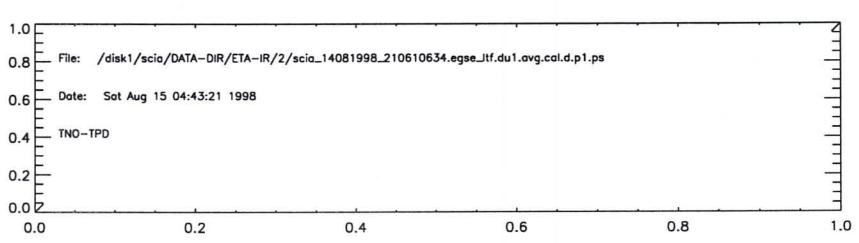


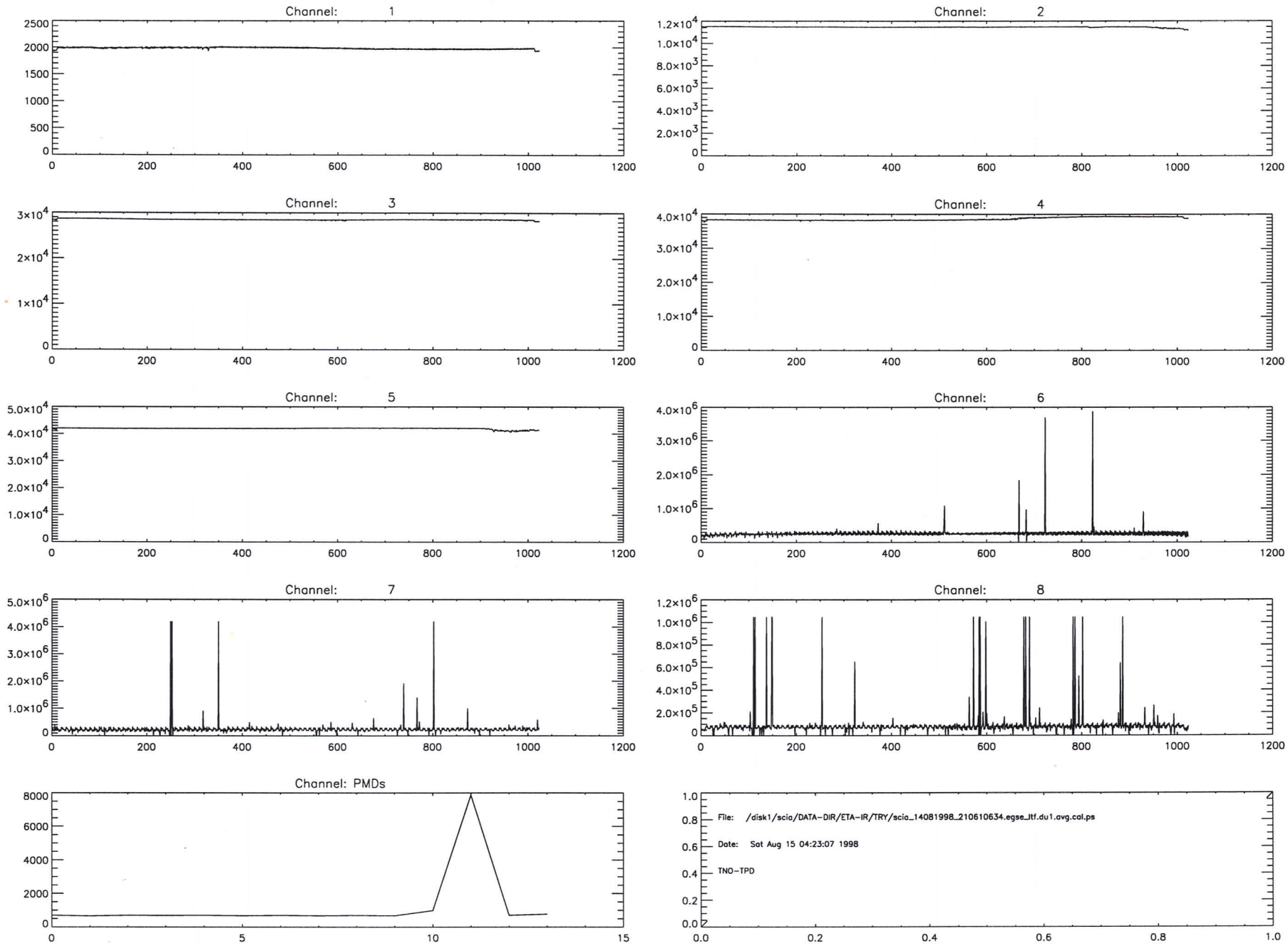








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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
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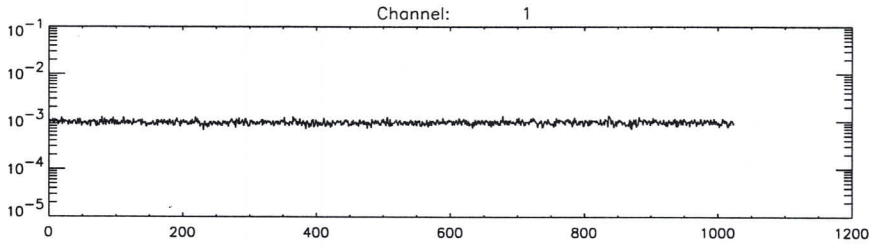
Date: Sat Aug 15 04:23:07 1998
TNO-TPD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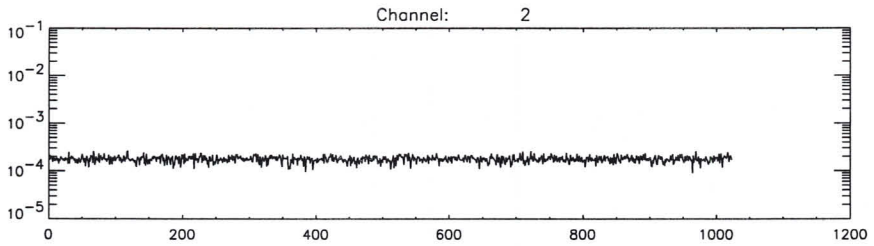
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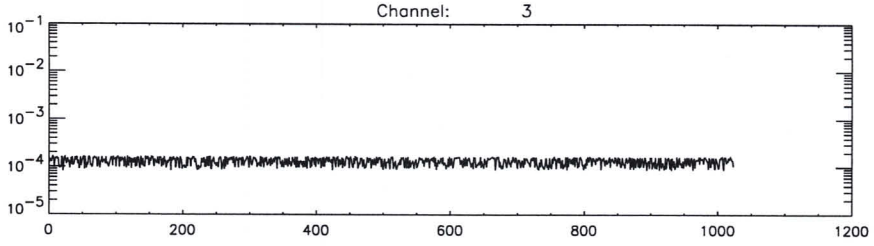
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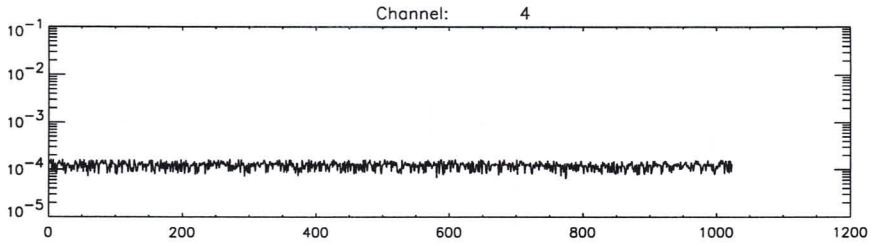
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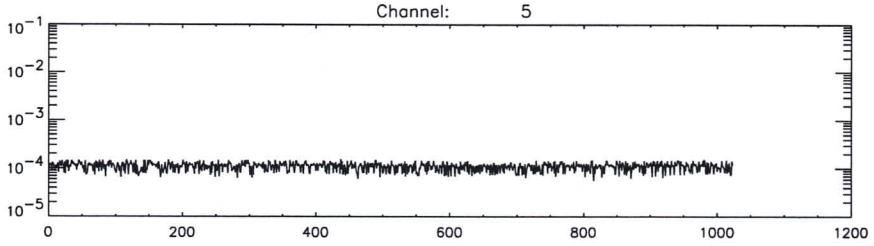
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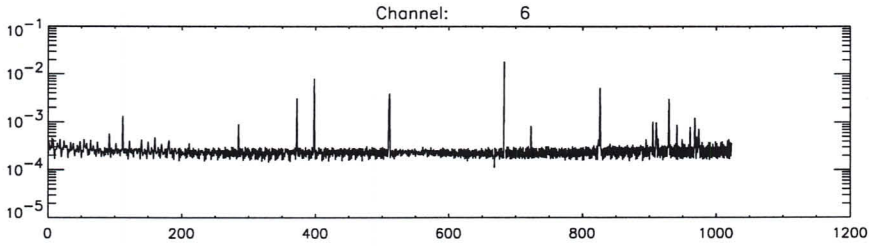
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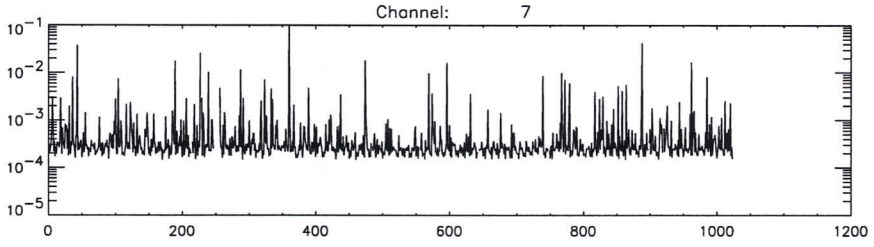
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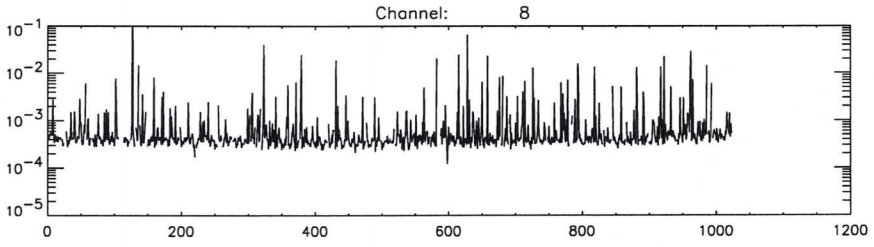
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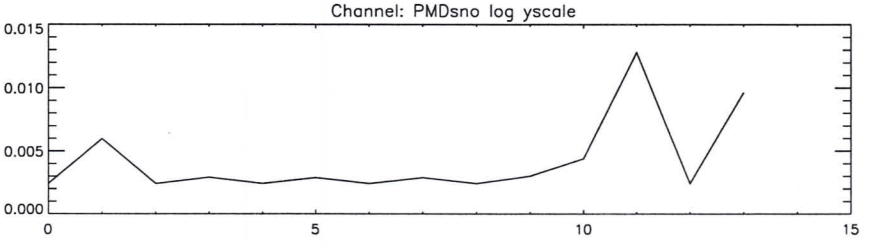
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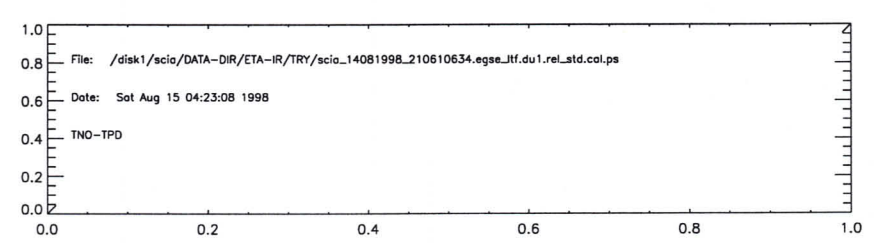
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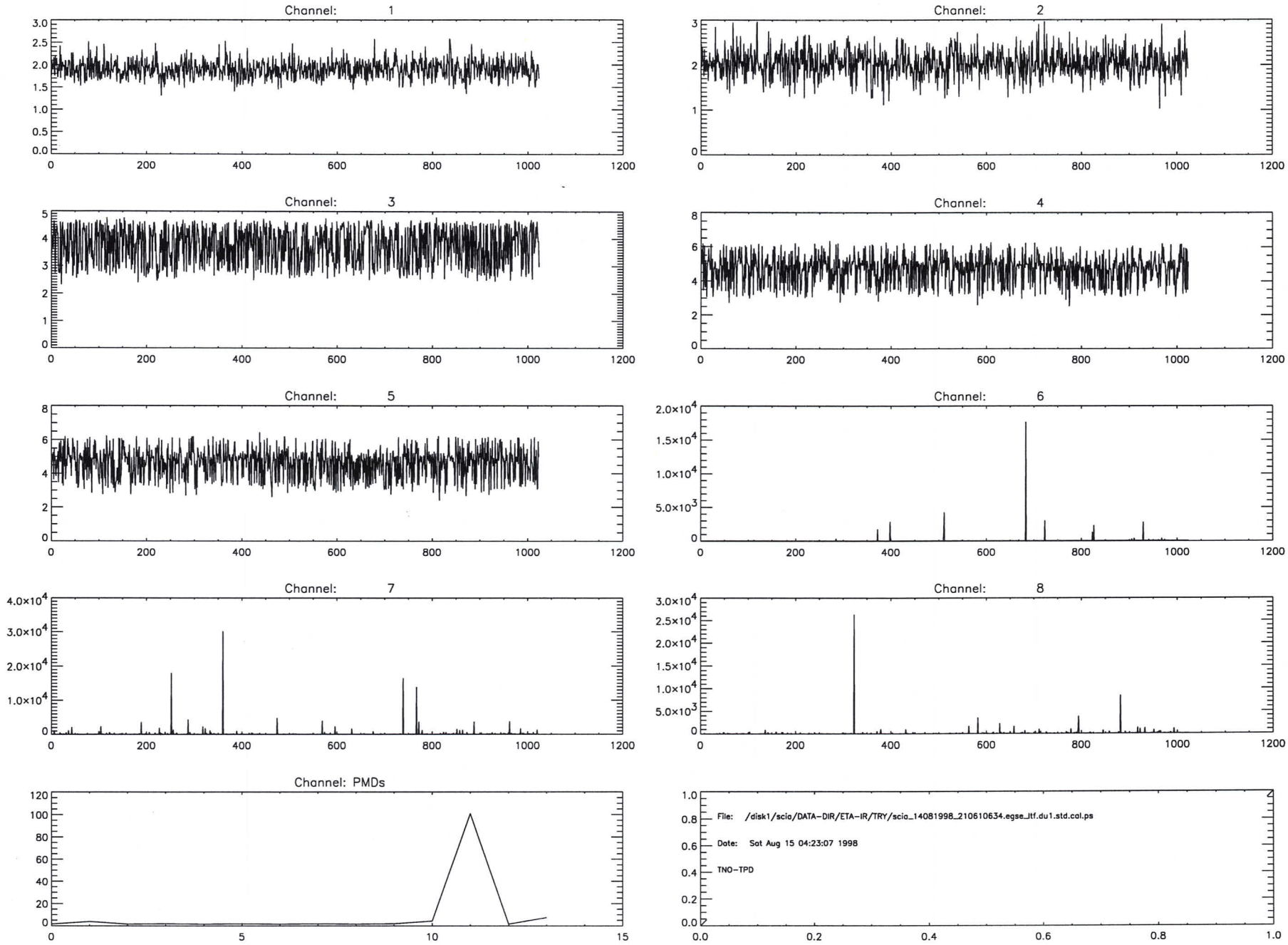
Date: Sat Aug 15 04:23:08 1998
TNO-TPD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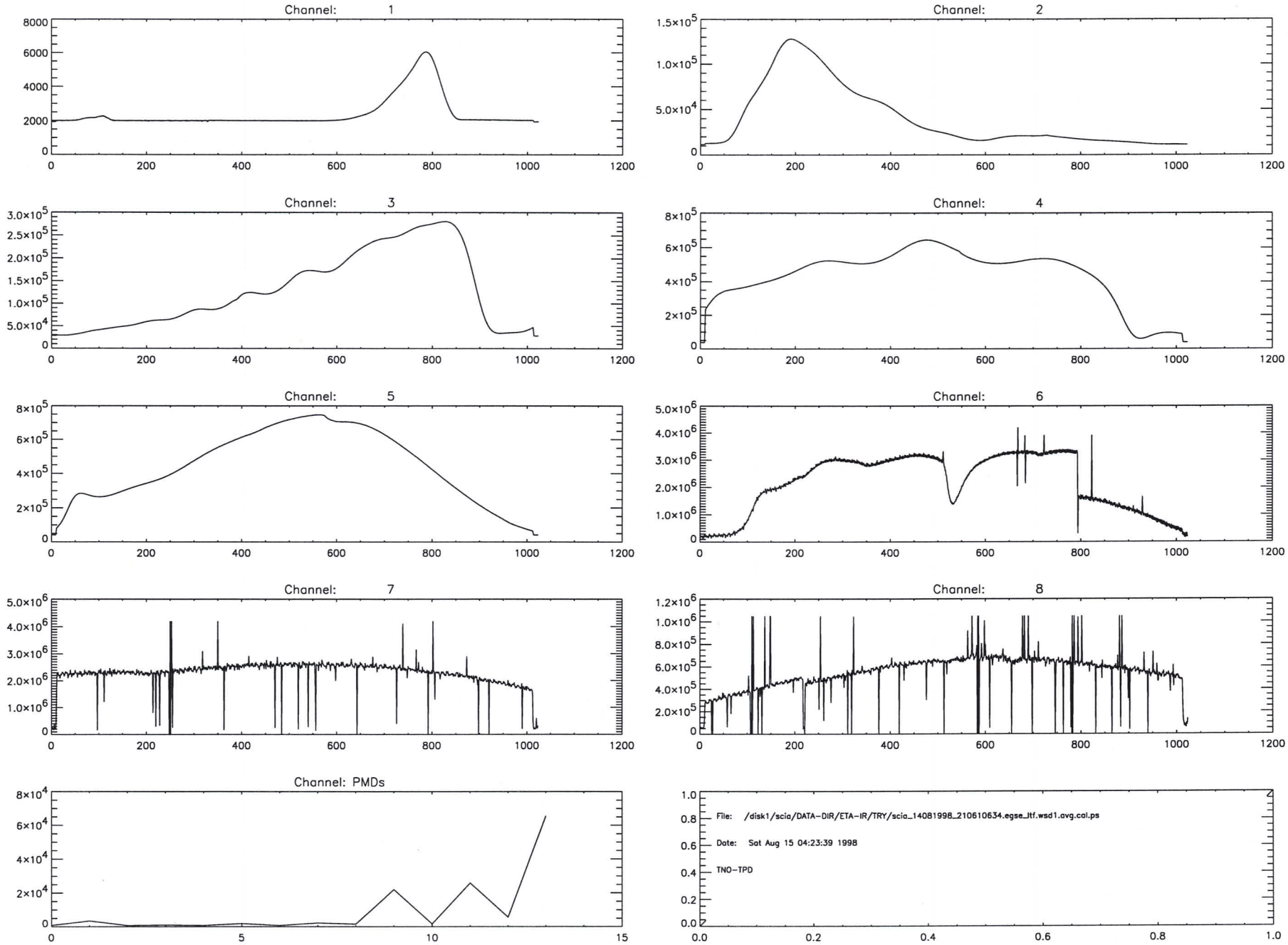
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Date: Sat Aug 15 04:23:39 1998
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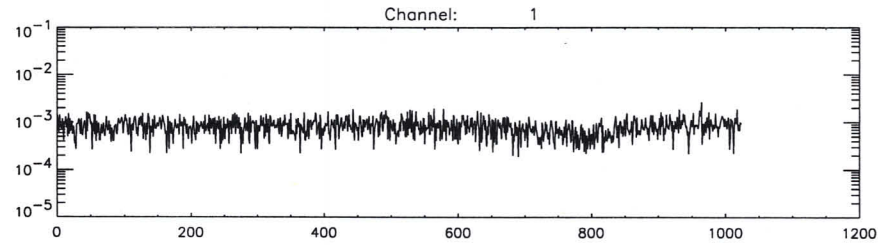
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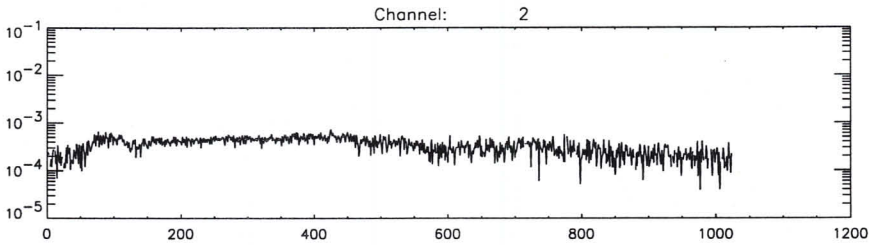
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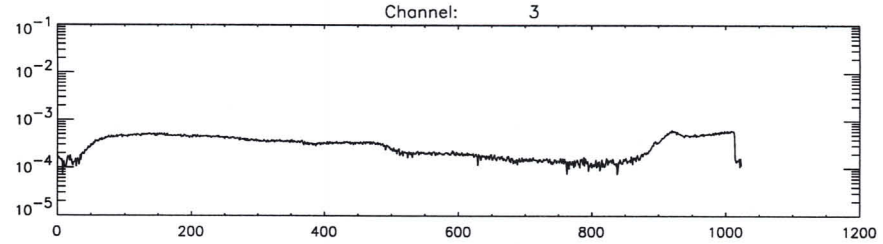
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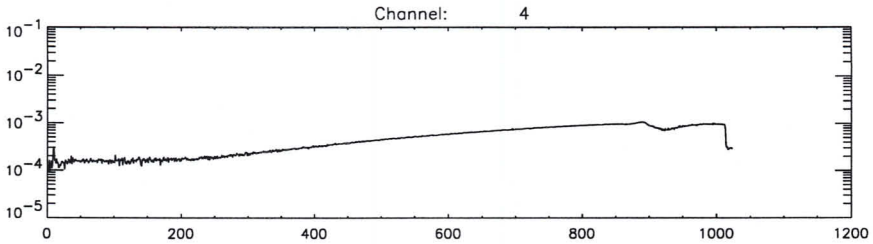
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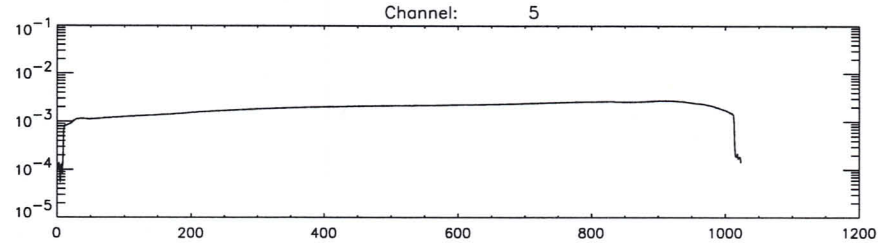
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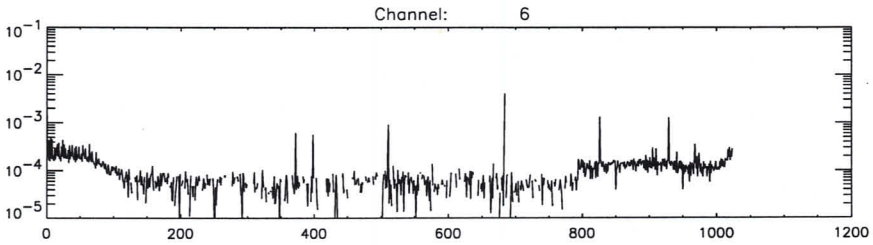
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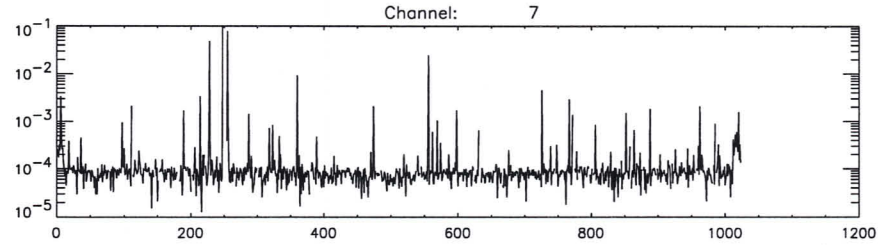
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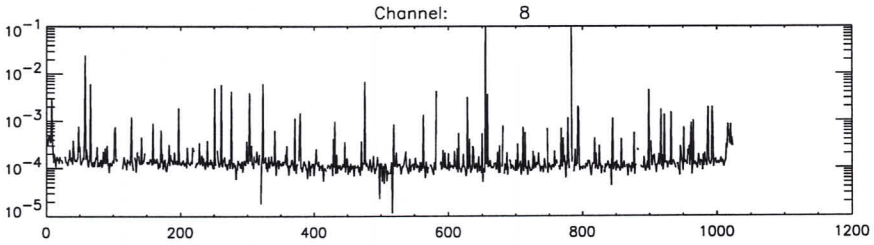
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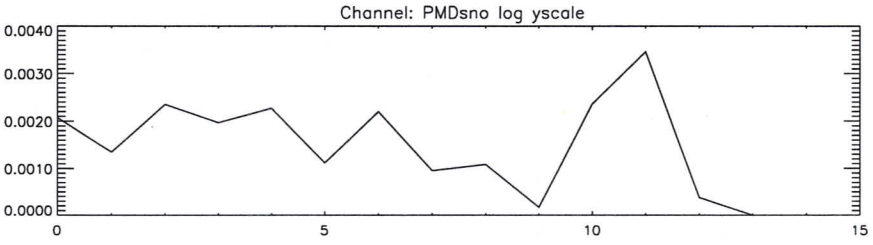
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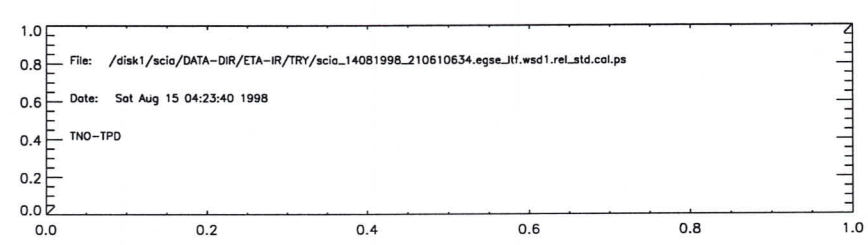
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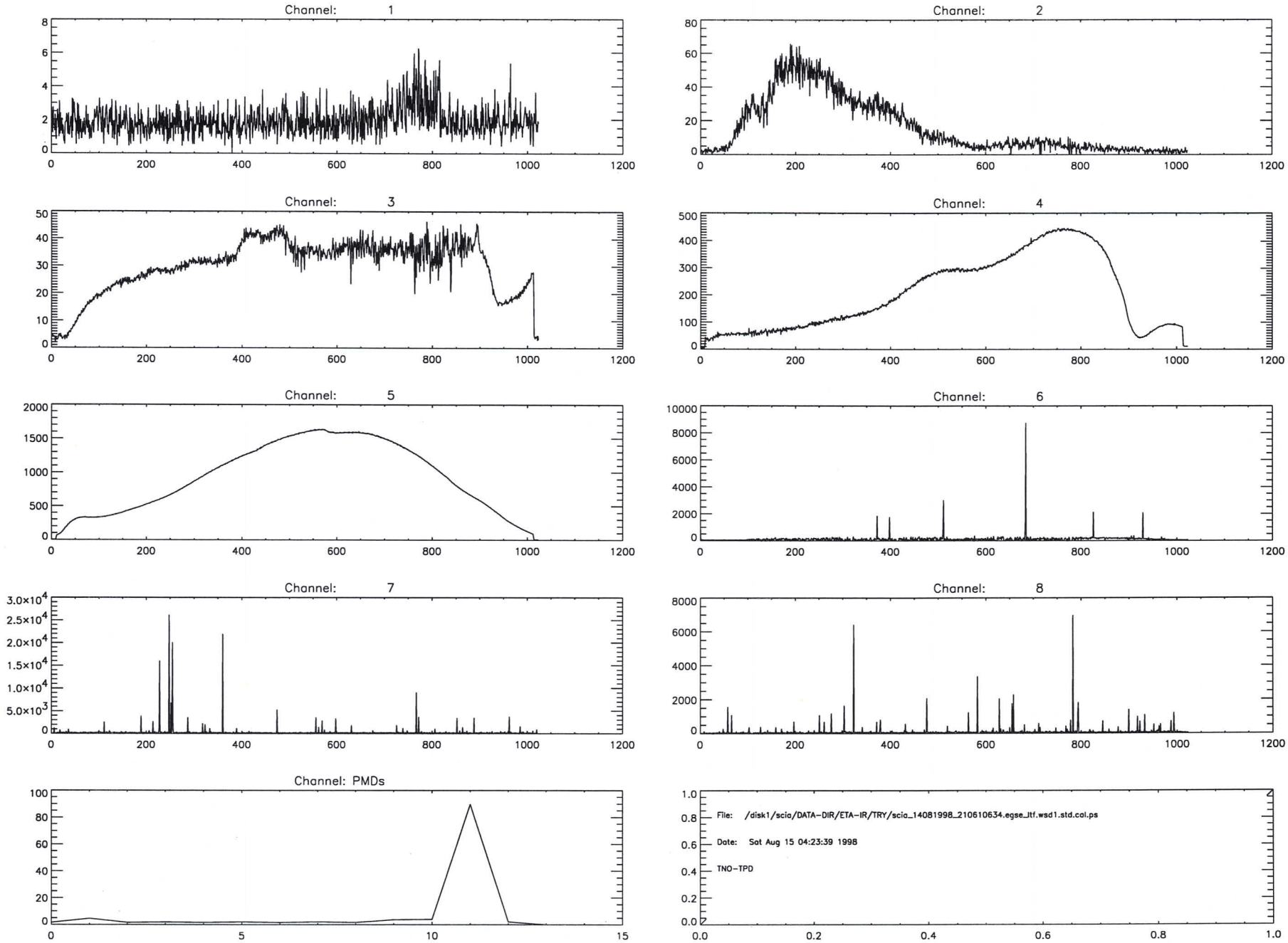
Date: Sat Aug 15 04:23:40 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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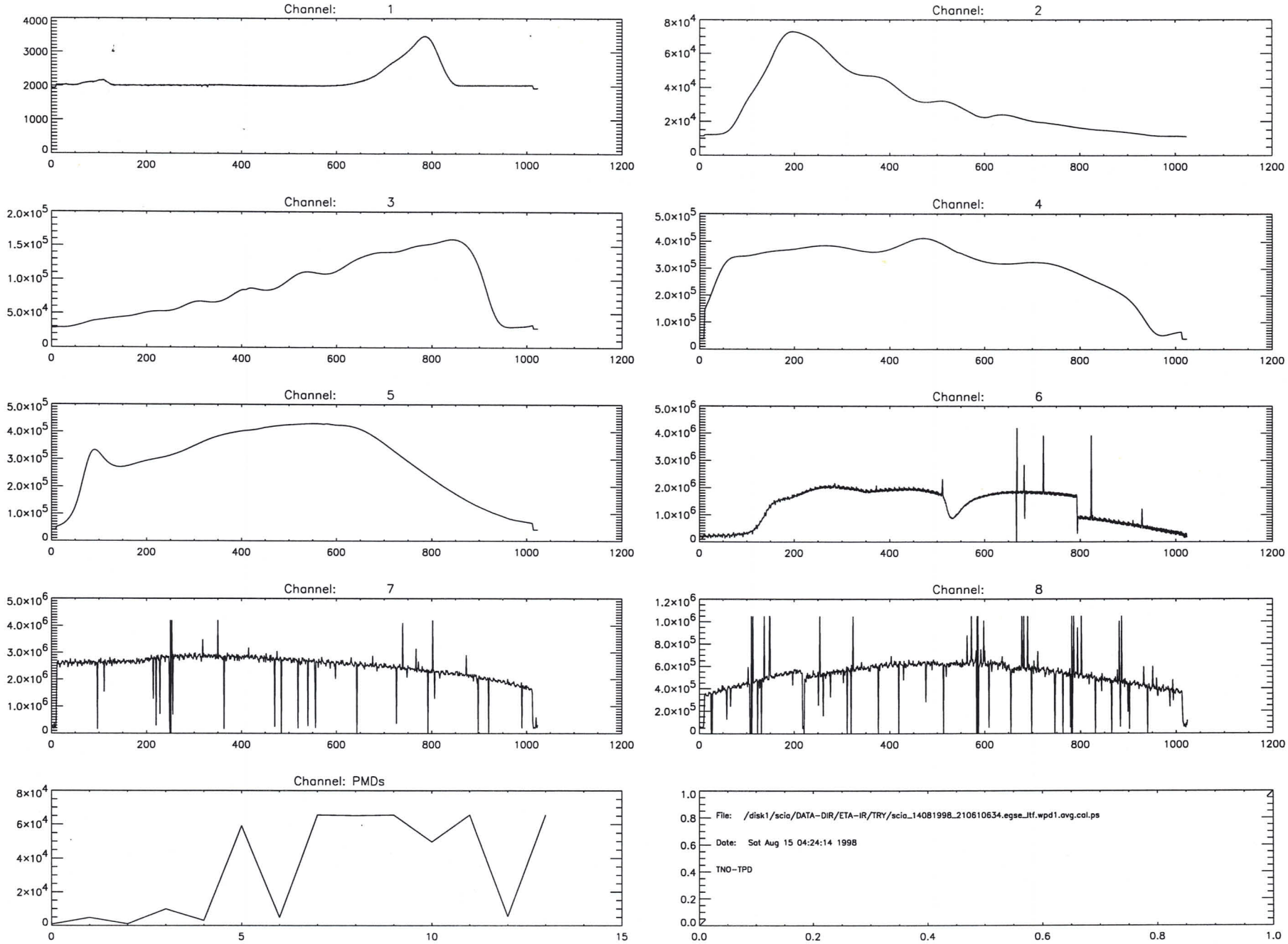
Date: Sat Aug 15 04:23:39 1998
TNO-TPD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Channel: 8
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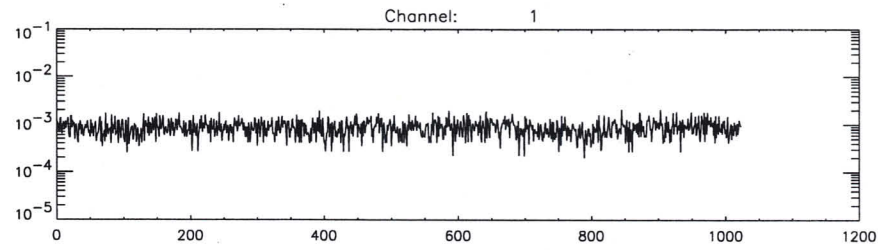
Date: Sat Aug 15 04:24:14 1998
TNO-TPD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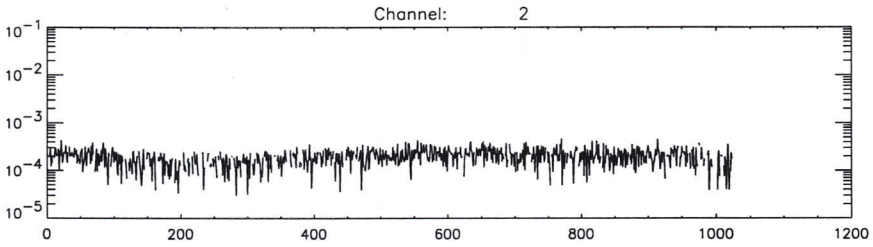
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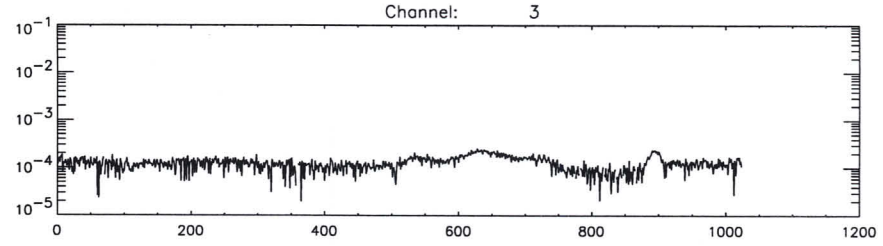
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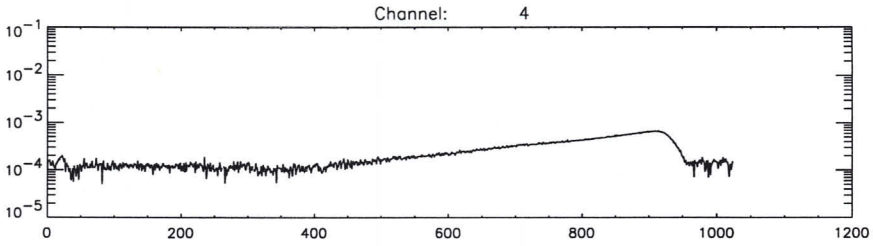
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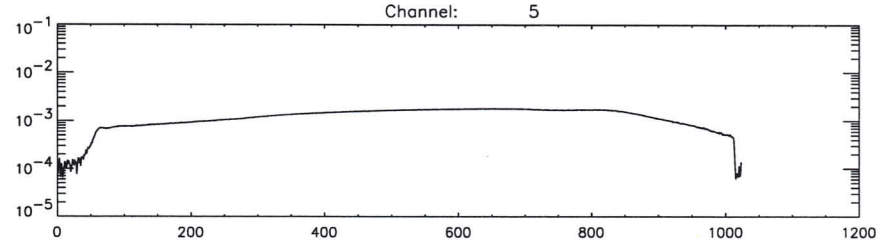
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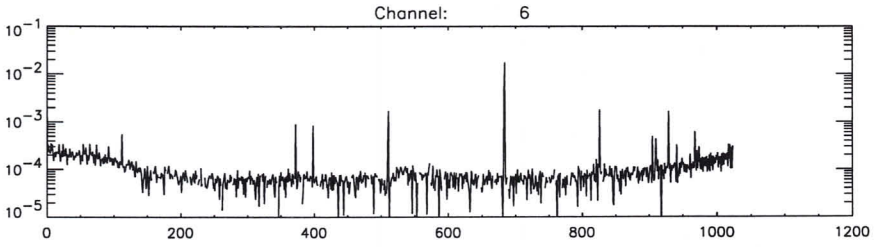
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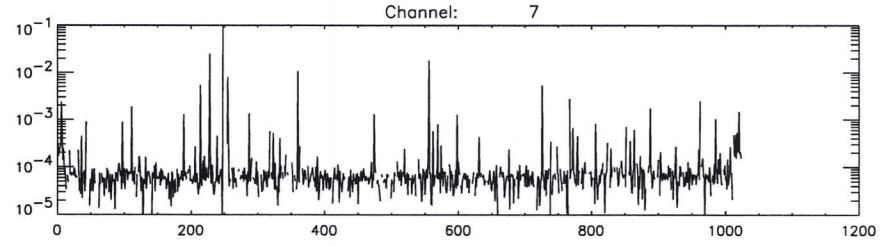
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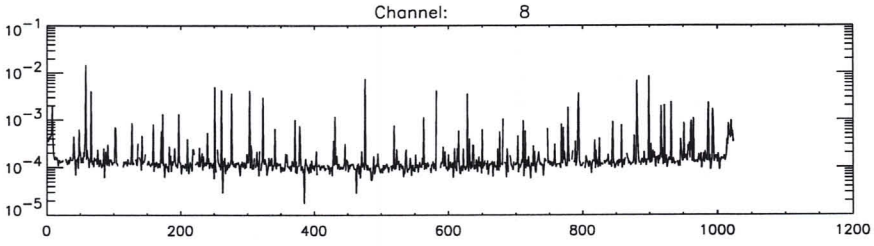
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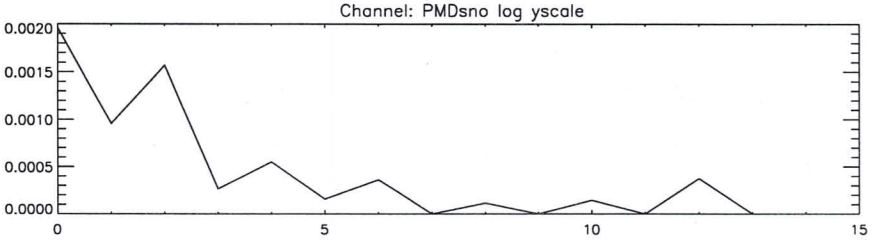
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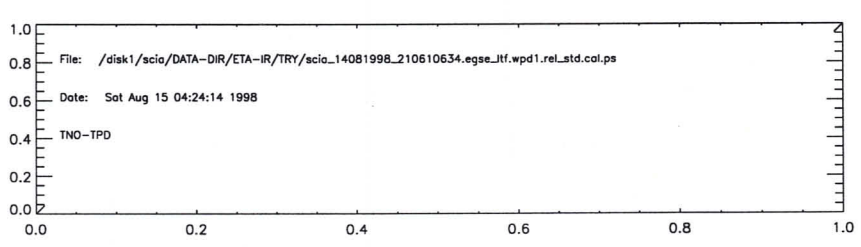
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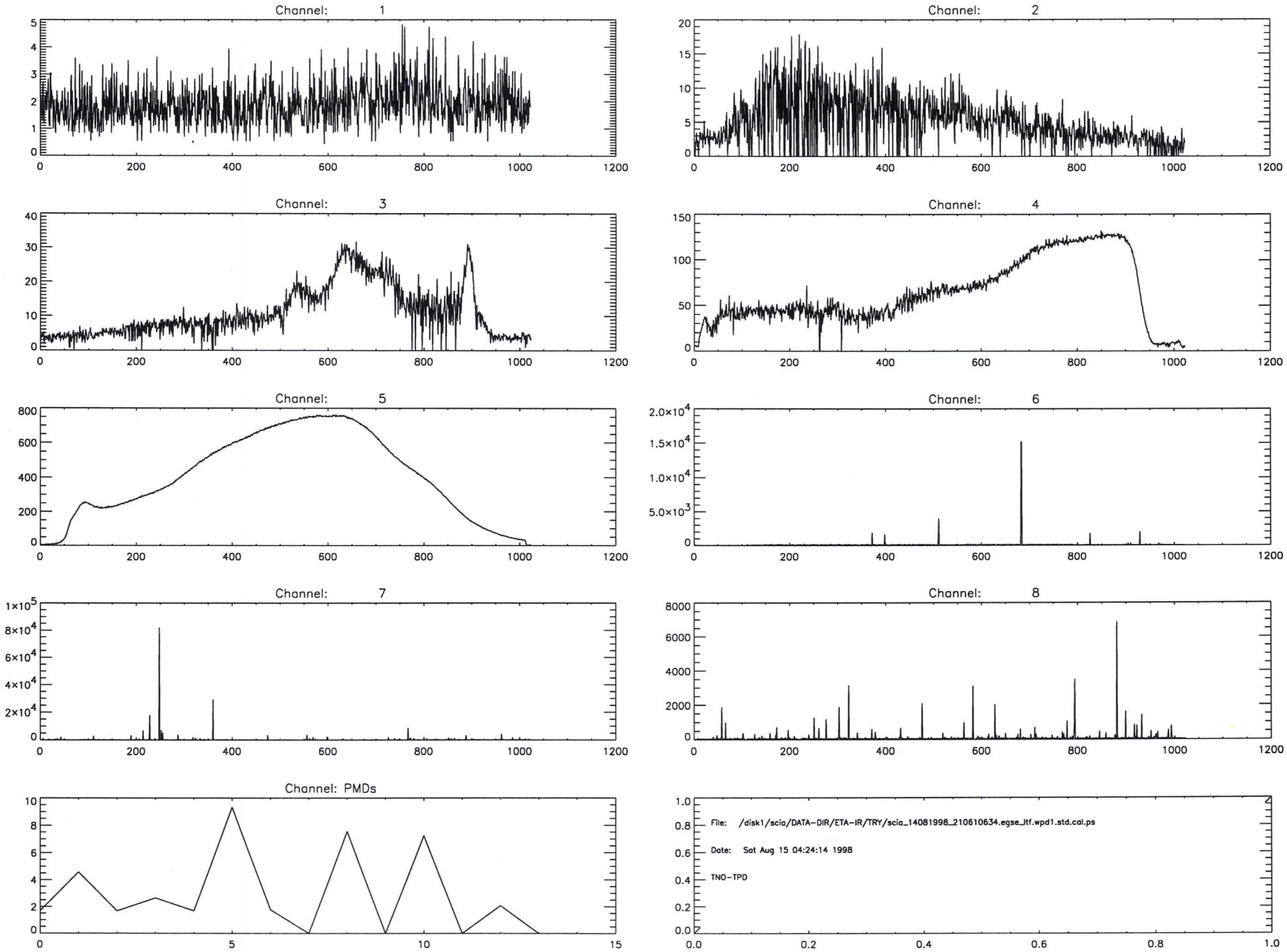
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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
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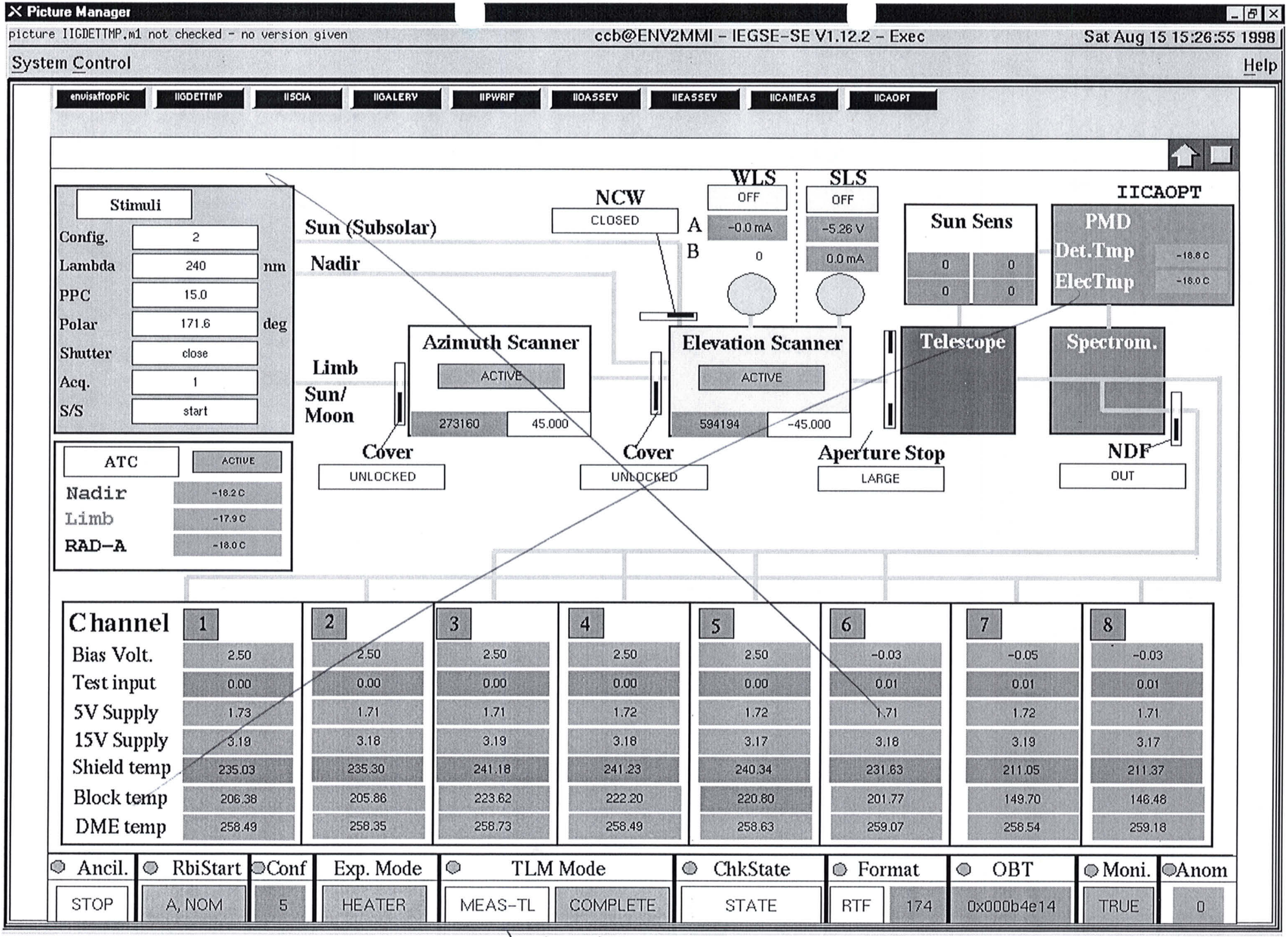
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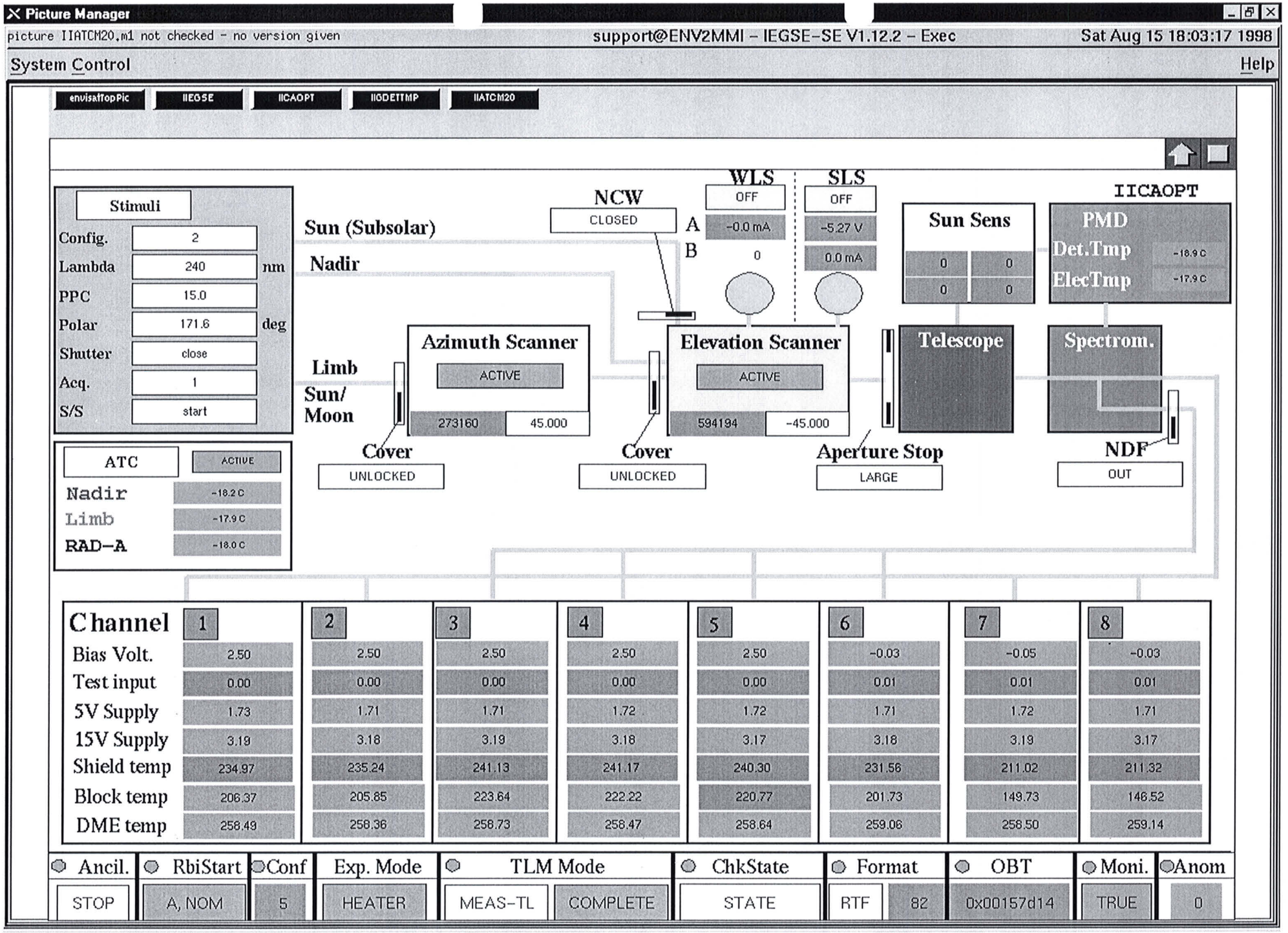
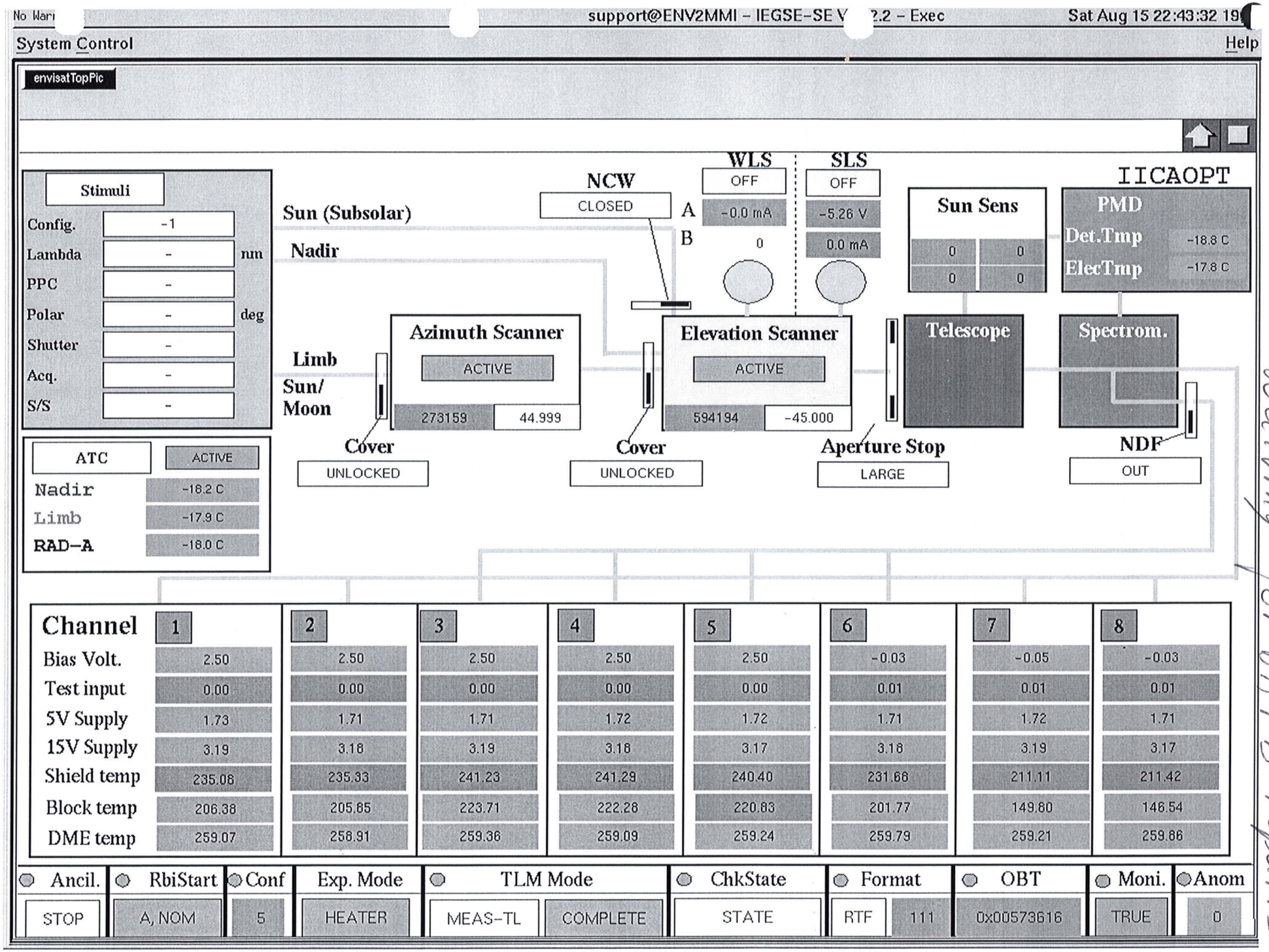
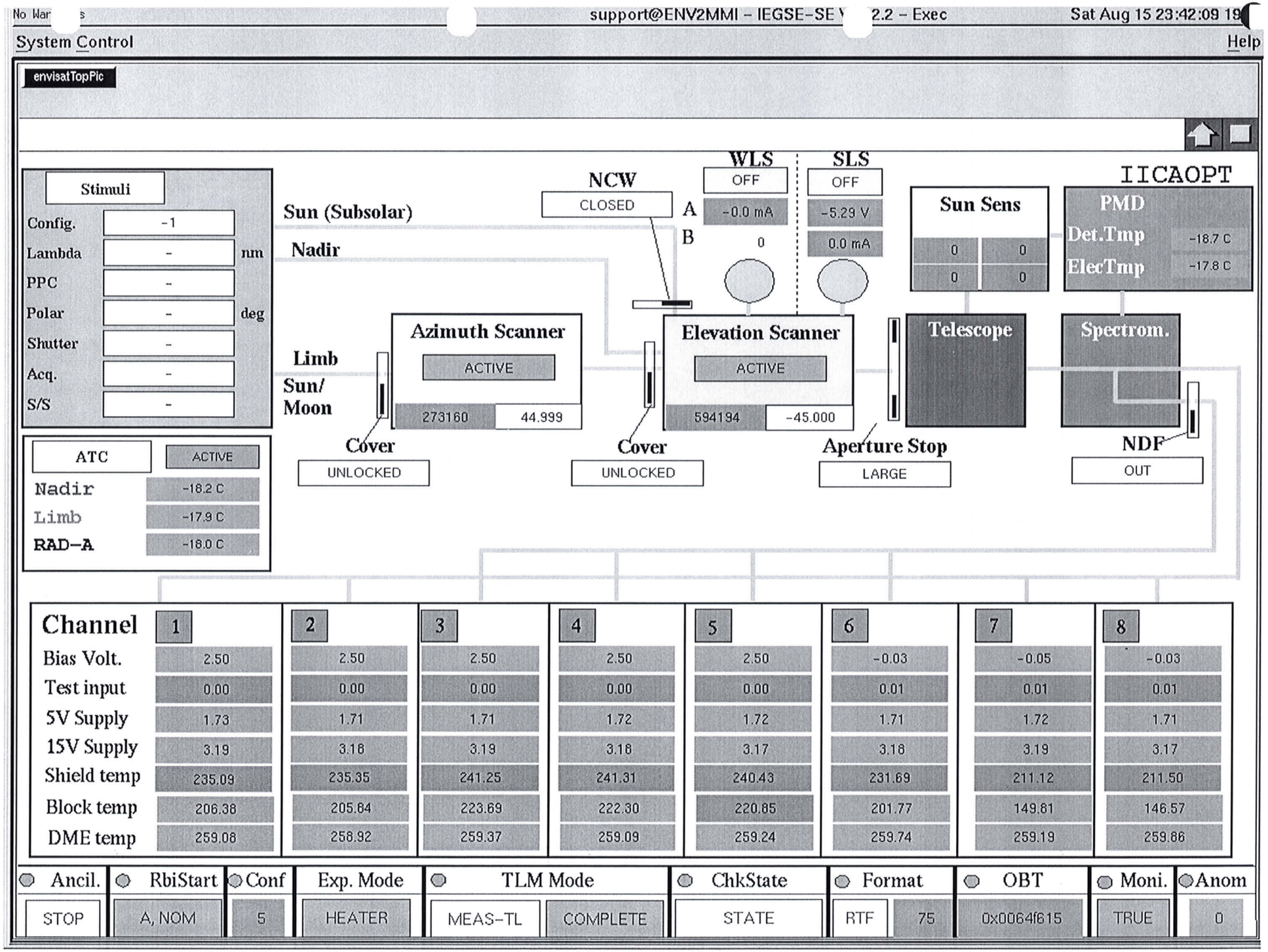
ccb@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Sat Aug 15 15:26:55 1998
System Control
Help
envisatTopPic
IIGDETTMP
IISCIA
IIGALERY
IIPWRIF
IIOASSEY
IIEASSEY
IICAMEAS
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.26 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.8 C
ElecTmp -18.0 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.03 235.30 241.18 241.23 240.34 231.63 211.05 211.37
Block temp 206.38 205.86 223.62 222.20 220.80 201.77 149.70 146.48
DME temp 258.49 258.35 258.73 258.49 258.63 259.07 258.54 259.18
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 174
OBT 0x000b4e14
Moni. TRUE
Anom 0

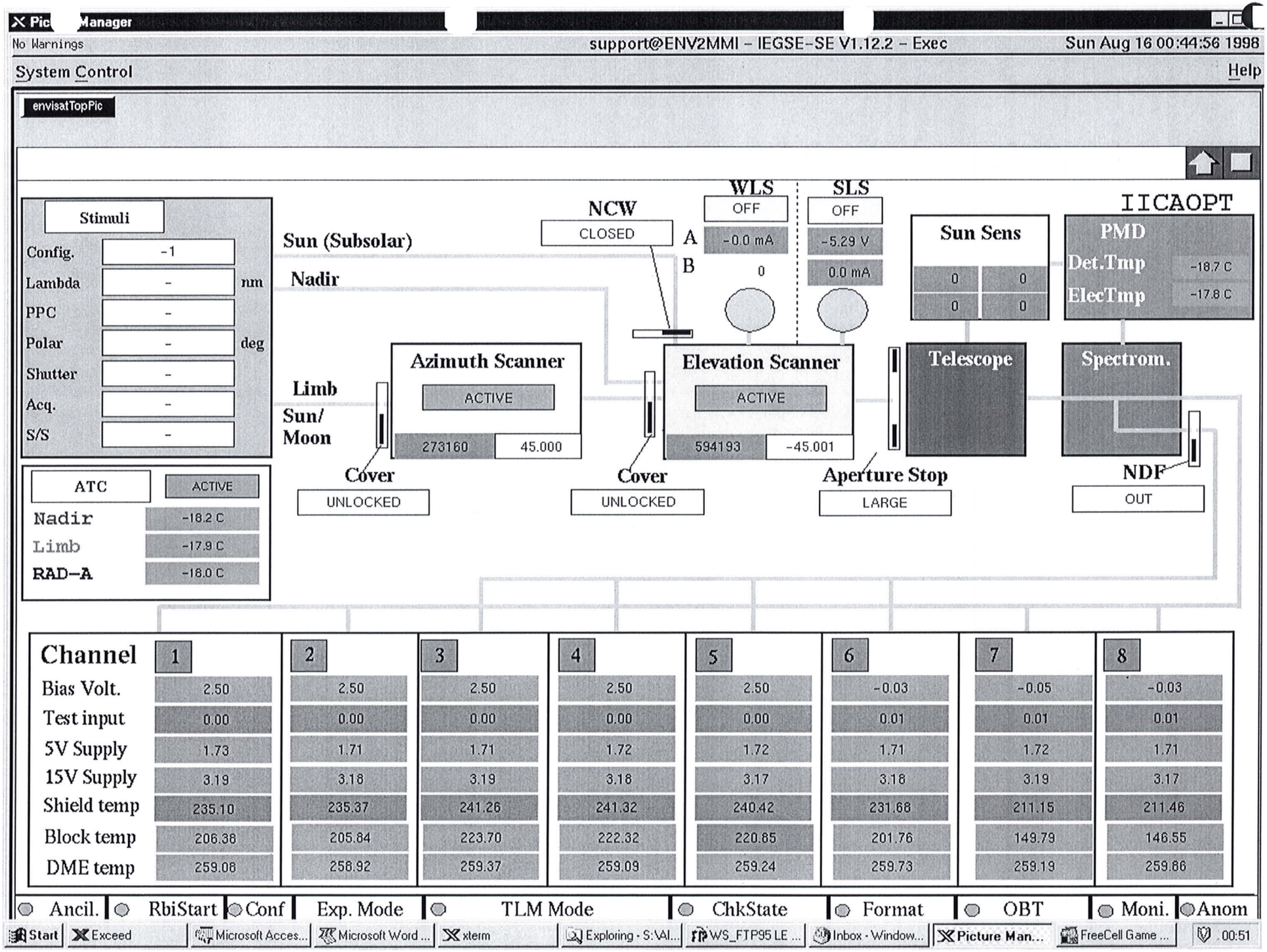
Gestapt

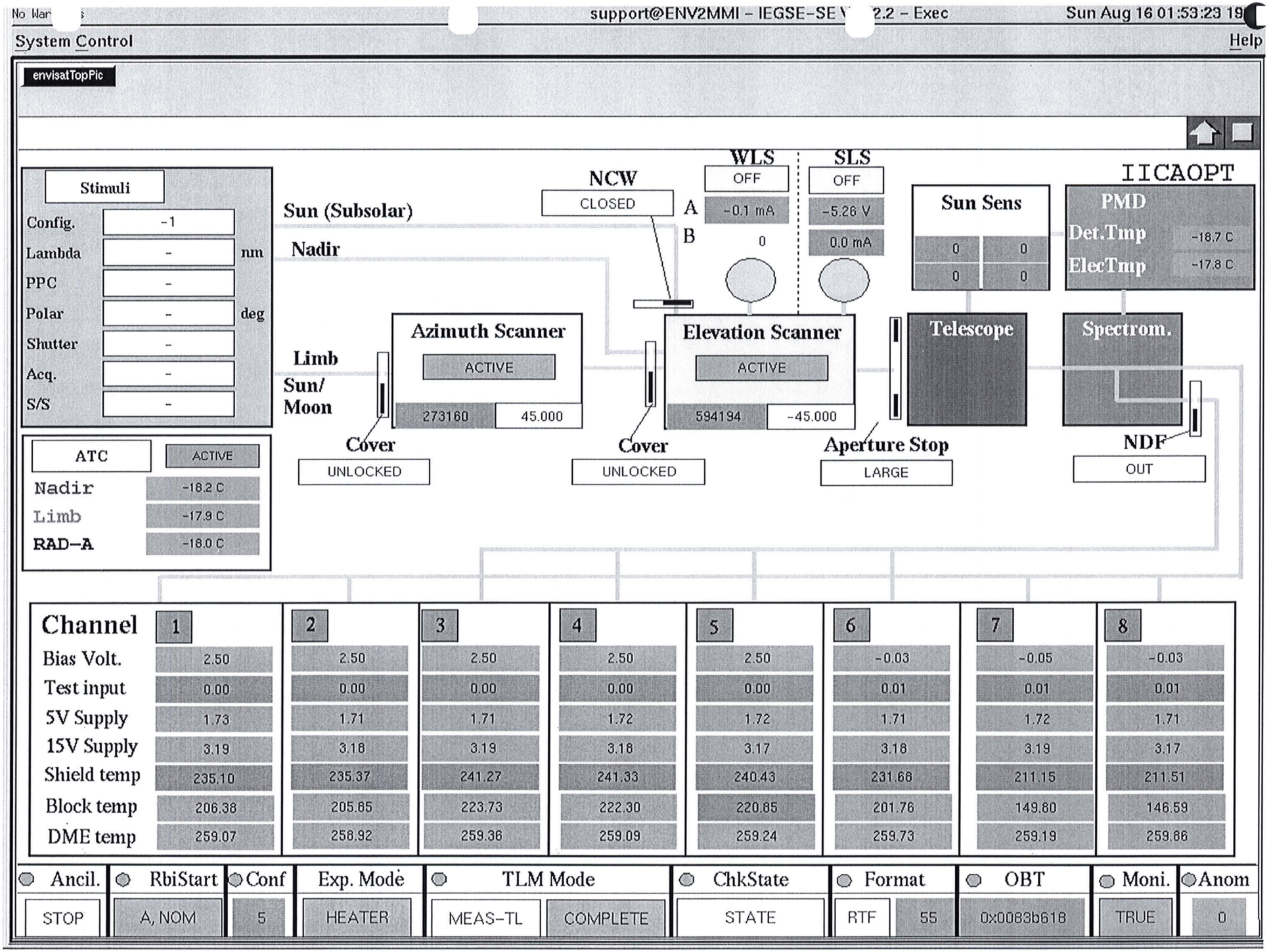

Picture Manager
picture IIATCM20.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Sat Aug 15 18:03:17 1998
System Control
Help
envisatTopPic
IIEGSE
IICAOPT
IIGDETTMP
IIATCM20
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.27 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.9 C
ElecTmp -17.9 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 234.97 235.24 241.13 241.17 240.30 231.56 211.02 211.32
Block temp 206.37 205.85 223.64 222.22 220.77 201.73 149.73 146.52
DME temp 258.49 258.36 258.73 258.47 258.64 259.06 258.50 259.14
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 82
OBT 0x00157d14
Moni. TRUE
Anom 0

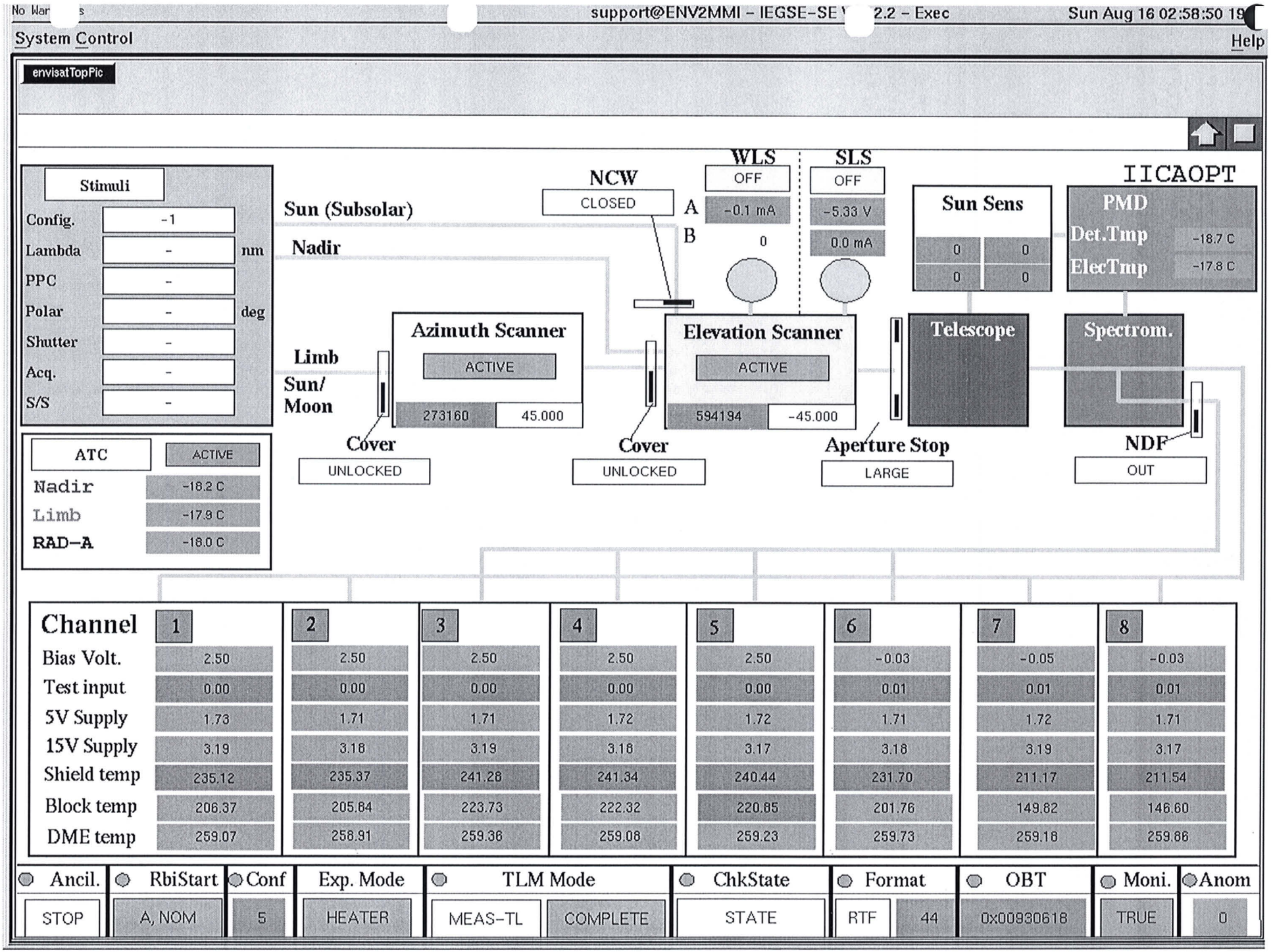


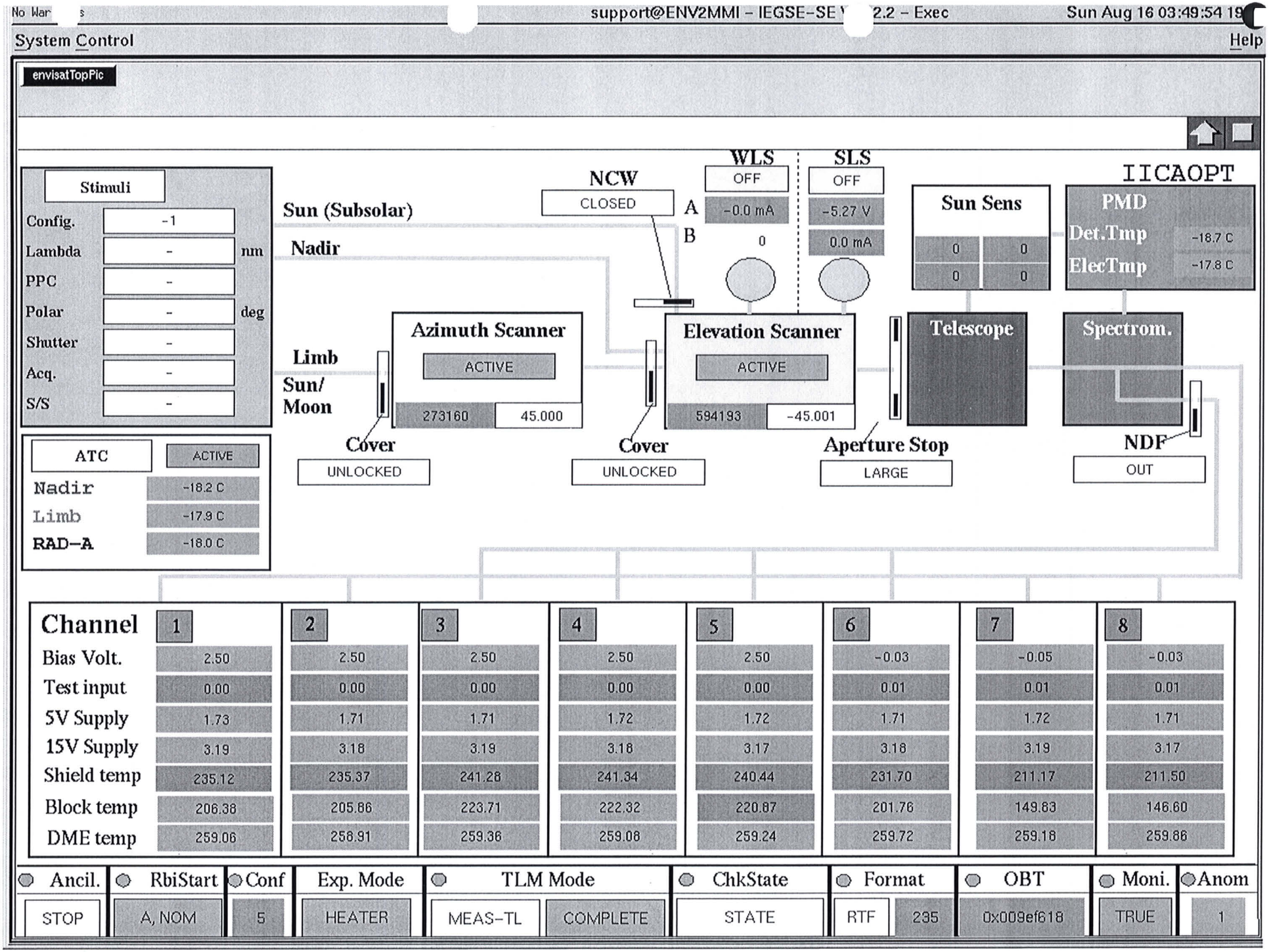
Check each hour temperatures change
waiting for DAPB repairs


No War s
support@ENV2MMI – IEGSE-SE V 2.2 – Exec
Sat Aug 15 23:42:09 19
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.09 235.35 241.25 241.31 240.43 231.69 211.12 211.50
Block temp 206.38 205.64 223.69 222.30 220.85 201.77 149.81 146.57
DME temp 259.08 258.92 259.37 259.09 259.24 259.74 259.19 259.86
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 75
OBT 0x0064f615
Moni. TRUE
Anom 0


Pic Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Sun Aug 16 00:44:56 1998
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.10 235.37 241.26 241.32 240.42 231.68 211.15 211.46
Block temp 206.38 205.84 223.70 222.32 220.85 201.76 149.79 146.55
DME temp 259.08 258.92 259.37 259.09 259.24 259.73 259.19 259.86
Ancil. RbiStart Conf Exp. Mode TLM Mode ChkState Format OBT Moni. Anom
Start Exceed Microsoft Acces... Microsoft Word ... xterm Exploring - S:\Al... WS_FTP95 LE ... Inbox - Window... Picture Man... FreeCell Game ... 00:51


No Wan s
support@ENV2MMI – IEGSE-SE V 2.2 – Exec
Sun Aug 16 01:53:23 19
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.1 mA
0
SLS
OFF
-5.26 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.10 235.37 241.27 241.33 240.43 231.66 211.15 211.51
Block temp 206.38 205.85 223.73 222.30 220.85 201.76 149.80 146.59
DME temp 259.07 258.92 259.36 259.09 259.24 259.73 259.19 259.86
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 55
OBT 0x0063b618
Moni. TRUE
Anom 0


No War s
support@ENV2MMI – IEGSE-SE 2.2 – Exec
Sun Aug 16 02:58:50 19
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.1 mA
B 0
SLS
OFF
-5.33 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.12 235.37 241.28 241.34 240.44 231.70 211.17 211.54
Block temp 206.37 205.84 223.73 222.32 220.85 201.76 149.82 146.60
DME temp 259.07 258.91 259.36 259.08 259.23 259.73 259.18 259.86
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 44
OBT 0x00930618
Moni. TRUE
Anom 0


No War s
support@ENV2MMI – IEGSE-SE 2.2 – Exec
Sun Aug 16 03:49:54 19
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.27 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.12 235.37 241.28 241.34 240.44 231.70 211.17 211.50
Block temp 206.38 205.86 223.71 222.32 220.87 201.76 149.83 146.60
DME temp 259.06 258.91 259.36 259.08 259.24 259.72 259.18 259.86
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 235
OBT 0x009ef618
Moni. TRUE
Anom 1

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measurement filename
	15/8/98	13:00 UTC 3e poging ETA-IR	
		toch niet, systeem identieke fout als gisteren ?	
		(nog voordat meting gestart is.)	
	15/8/98	Na enige wijzigingen door Dornier in de Software.	
		opnieuw ETA-IR gestart ~ 15:30 UTC.	
		Weer gestopt. → ~~[illegible]~~ 15-42 UTC	
		[illegible] gewisseld.	
		Opnieuw begonnen ~ [illegible] UTC ~ UTC 18.00 u	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
	Andre,	
	Er is nog niet gecorrigeerd voor H_2O absorbtie in de lucht in het optische pad.	
	~~Door de hiervan~~ Door het verschil te bepalen tussen een RAD meting op minimale afstand en een RAD meting op min 0,5 van je berekenen hoe groot de absorbtie is per m. 0,5 m lucht + H_2O → ter voorbereiding hebben wij alvast wat ratio's genomen. Dit ziet er als volgt uit:	NB: water van de OPTEC heeft tijdens de metingen (in limb) op de buffles → dal plaat sedn uppeld! Dit kan grote invloed gehad hebben op de waterdamp. Ralph
	↳ om nu al te corrigeren moeten we de afstanden tussen window en lamp goed weten. Wij hebben ze niet gevonden. Maar Josef Maurice weten deze zeker.	
	Tedm 5	

Pagenumber:

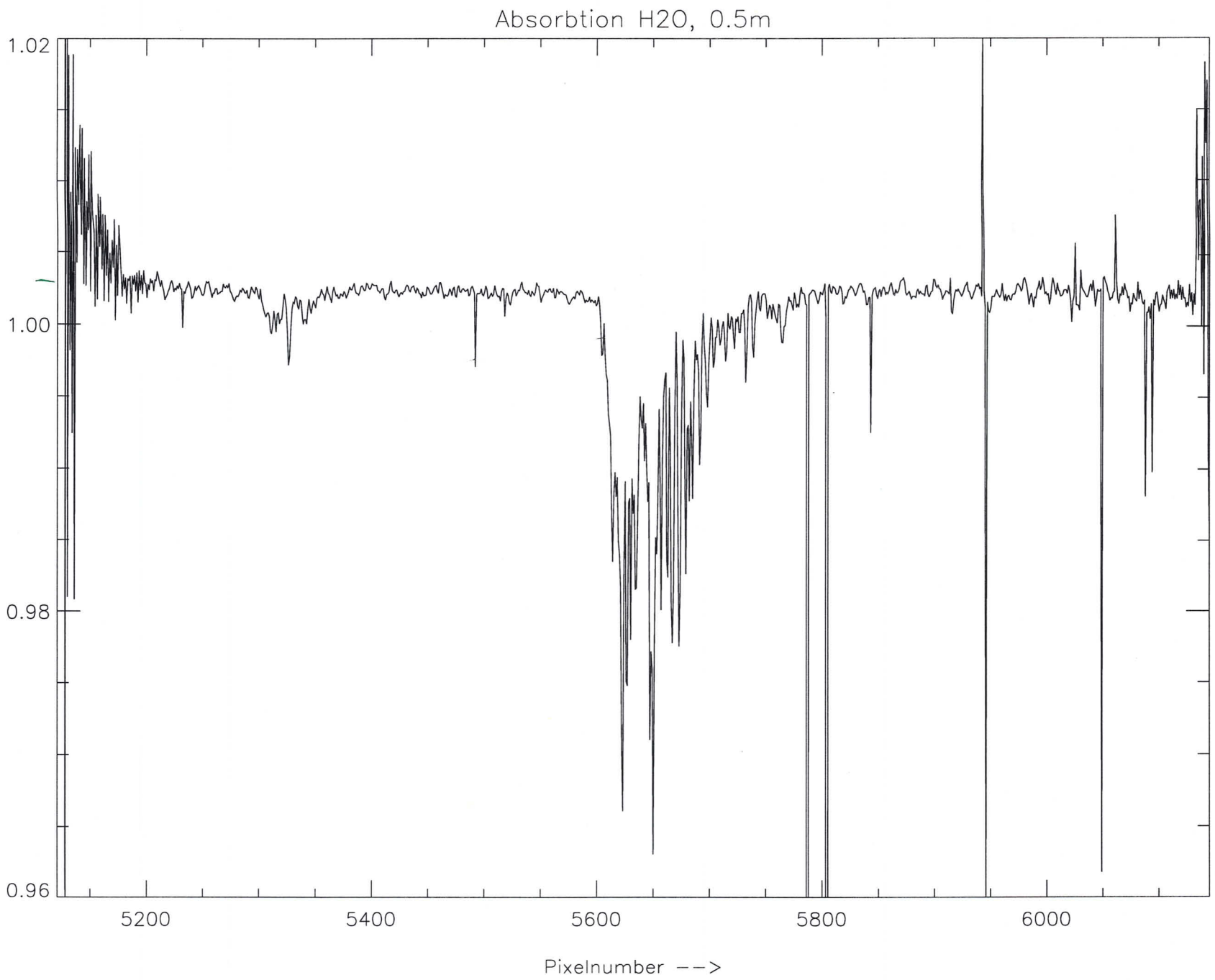
LOG SHEET SCIAMACHY CALIBRATION

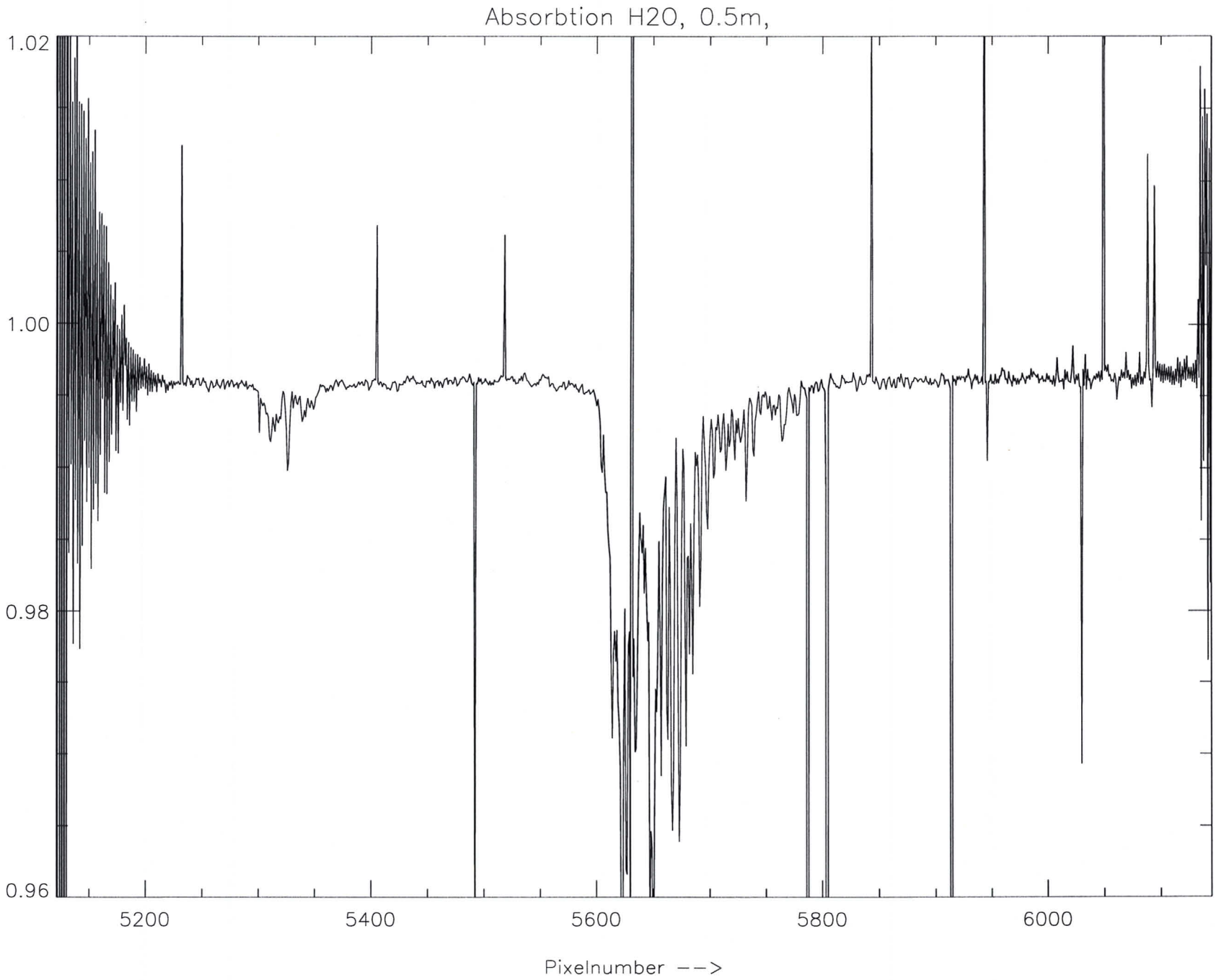
date/time	description of action	measuremement filename
16-8-98	extra Analysis of water absorption band in Channel 6	
~~15:50~~	- ~~Dark~~ rad-nadir 7 (Min dist + 0,5 M.) devided by	
UTC	rad-nadir 6 (Min dist.)	
3:40		
	- Calculated average value of 100 pixels	
	Pixel average	
	5000 - 5099 1,002	
	5100 - 5199 1,024	
	5200 - 5299 1,002	
	5300 - 5399 1,001	
	5400 - 5499 1,002	
	5500 - 5599 1,002	
	5600 - 5699 0,989 water dip	
	5700 - 5799 1,0001	
	5800 - 5899 1,002	
	5900 - 5999 1,002	
	6000 - 6099 1,002	

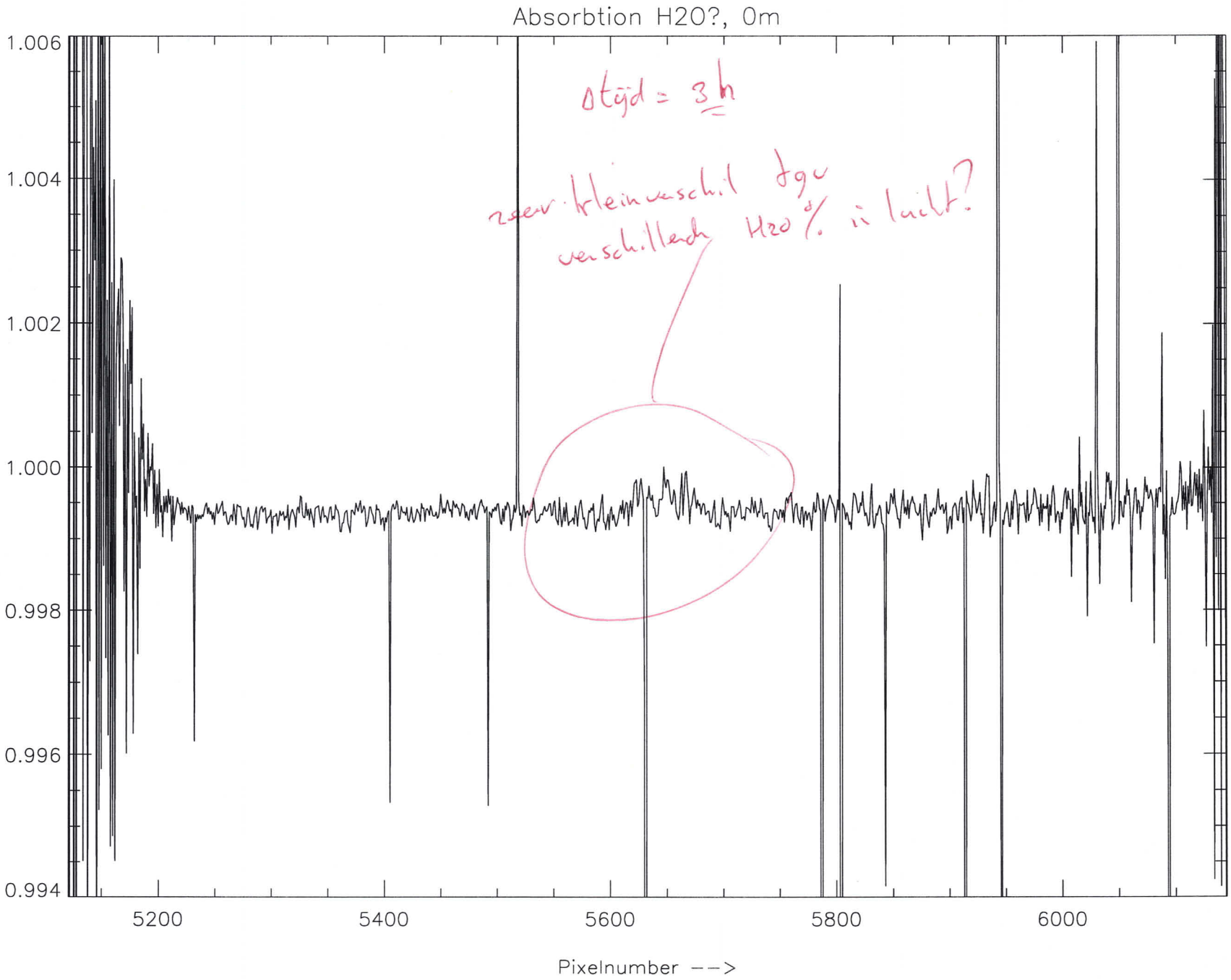
Pagenumber:

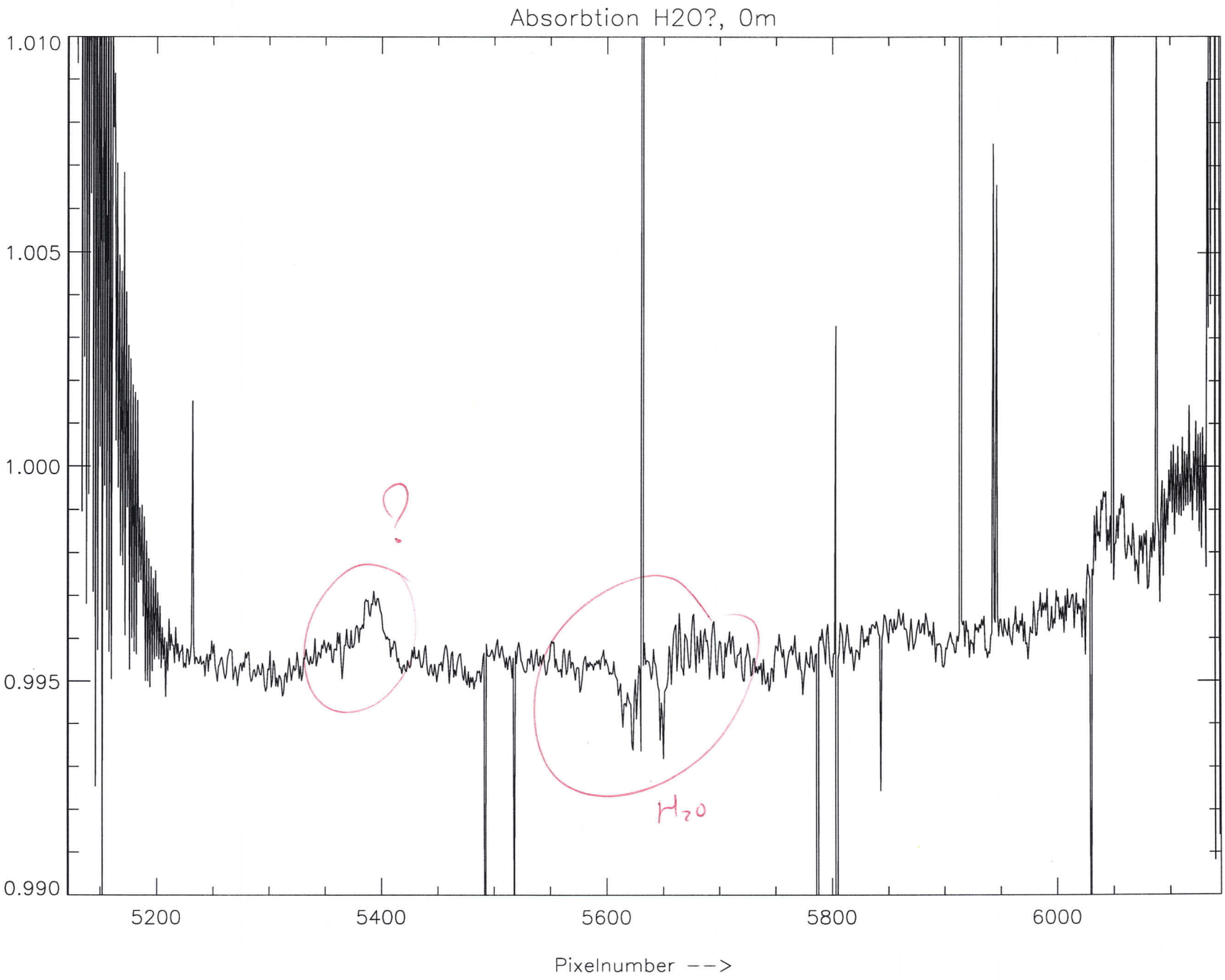
LOG SHEET SCIAMACHY CALIBRATION

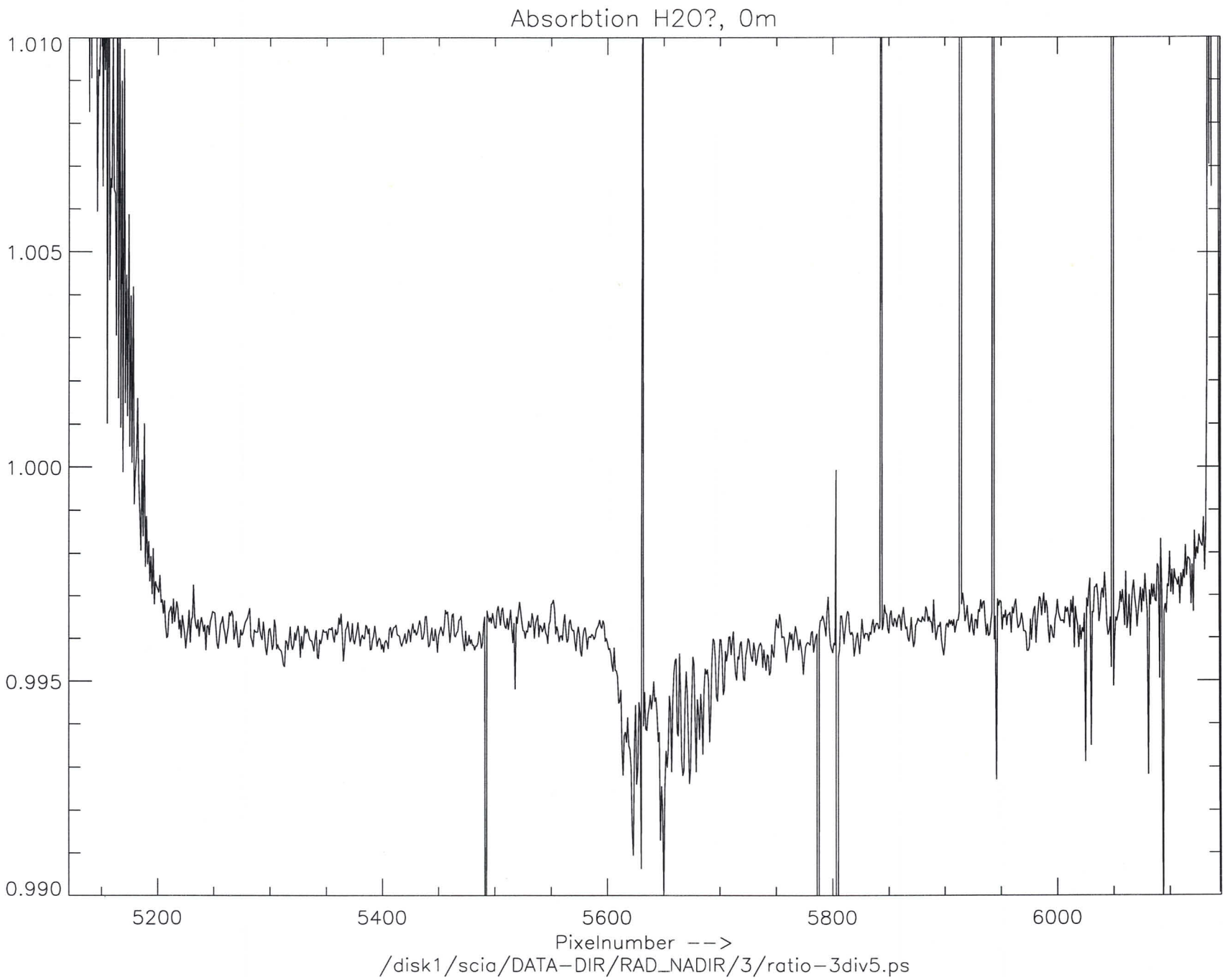
date/time	description of action	measuremement filename
16-8 4:00 UTC	extra analysis of water absorption band in channel 6	
	~~rad limb 3,4,5~~ ~~average value~~ ~~gemiddelde waarde~~ ~~van deze~~ 3 devided by ~~rad limb~~	
	rad limb 1 devided by the average value of rad limb 3,4,5	
	Calculated average value of 100 pixels	
	pixel — Average	
	5000 - 5099 — 0,995	
	5100 - 5199 — 1,013	
	5200 - 5299 — 0,995	
	5300 - 5399 — 0,994	
	5400 - 5499 — 0,995	
	5500 - 5599 — 0,995	
	5600 - 5699 — 0,982 waterdip	
	5700 - 5799 — 0,993	
	5800 - 5899 — 0,995	
	5900 - 5999 — 0,988	
	6000 - 6099 — 1,000	


Absorbtion H2O, 0.5m
1.02
1.00
0.98
0.96
5200
5400
5600
5800
6000
Pixelnumber -->


Absorbtion H2O, 0.5m,
1.02
1.00
0.98
0.96
5200
5400
5600
5800
6000
Pixelnumber -->


Absorbtion H2O?, 0m
1.006
1.004
1.002
1.000
0.998
0.996
0.994
5200
5400
5600
5800
6000
Pixelnumber -->


Absorbtion H2O?, 0m
1.010
1.005
1.000
0.995
0.990
5200
5400
5600
5800
6000
Pixelnumber -->
?
H2O


Absorbtion H2O?, 0m
1.010
1.005
1.000
0.995
0.990
5200
5400
5600
5800
6000
Pixelnumber -->
/disk1/scia/DATA-DIR/RAD_NADIR/3/ratio-3div5.ps

Formal Run of Measurement

(Measurement ID) ETA_IR

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg ✓
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	13									
Repetitions	1									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	64	1						
1b	64	1						
2b	16	4						
2a	16	4						
3	05	8						
4	025	16						
5	0.25	16						
6	0.03125	64						
7	0.0625	64						
8	025	16						
State ID								

Step 12.3
ETA_IR
UID 8

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2	15.0	171.6	close	1	240	240	0	2	DV1	12
2.1	2	15.0	171.6	open	1	240	240	0	2	WSD #	20
2.2	2	15.0	85.4	open	1	240	240	0	2	WPD #	20
3.1	2	5.0	171.6	open	1	240	240	0	2	WSB #	20
3.2	2	5.0	85.4	open	1	240	240	0	2	WPB #	20
4	2	5.0	85.4	close	1	240	240	0	2	DV2	8

Measurement Data Description

Test Purpose	DAPB Test
Remark	UID 8
Data Directory	

Signatures

	Date	Signature
Issued		
< Performed	16-8-98	

Formal Run of Measurement

(Measurement ID) ETA_IR

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run		(no entries = run based on actual default settings)

Scanner Positions

Azimuth		deg
Elevation		deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	13									
Repetitions	5									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a								
1b								
2b								
2a								
3								
4								
5								
6								
7								
8								
State ID								

Stimuli Settings for Existing Blocks in Measurement

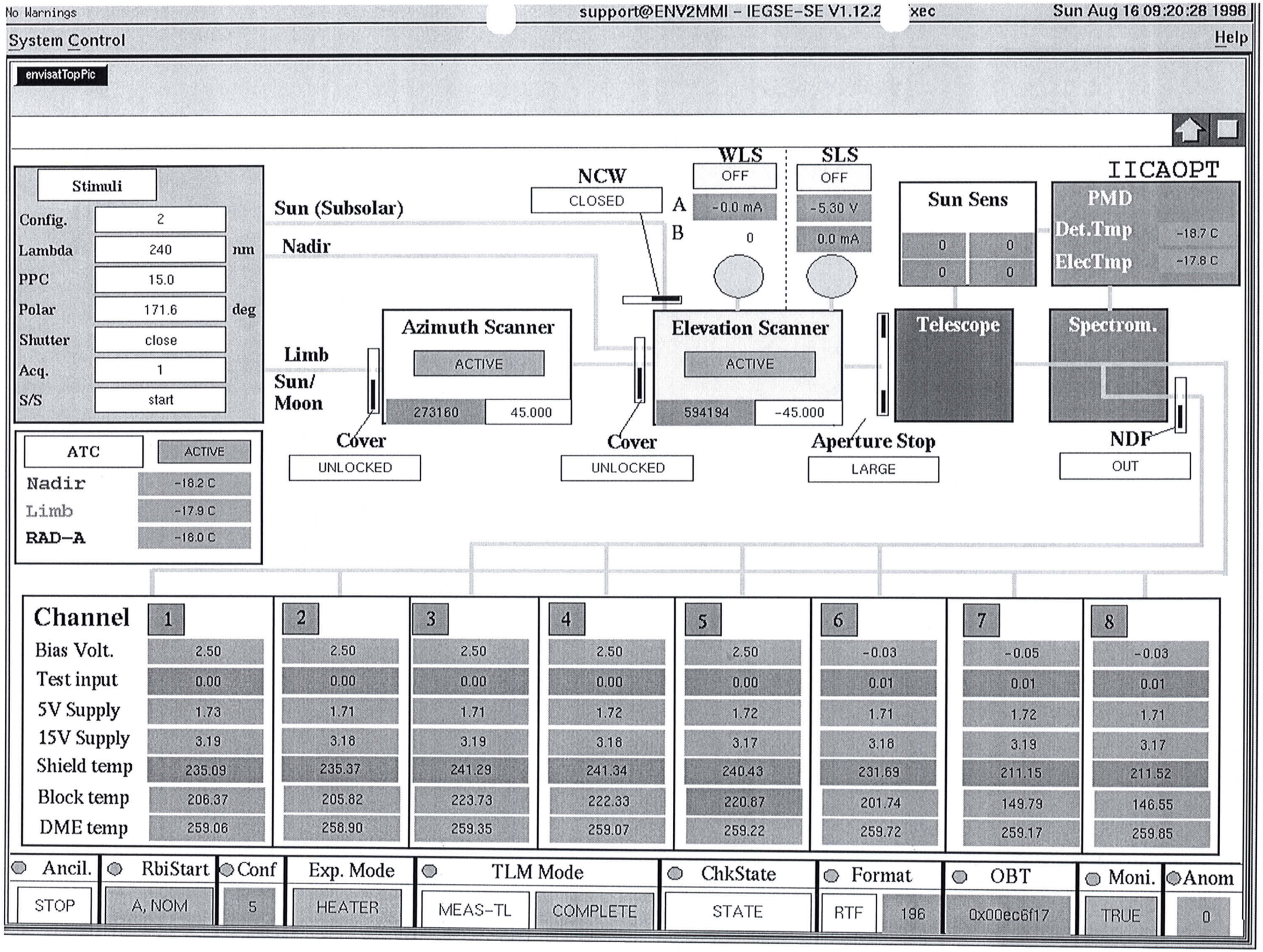
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1									10		
2.1									16		
2.2									10		
3.1									10		
3.7									10		
4									10		

Measurement Data Description

Test Purpose	
Remark	UID 8
Data Directory	

Signatures

	Date	Signature
Issued	16/8/98	
< Performed	16/8/98	


No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 xec
Sun Aug 16 09:20:28 1998
System Control
Help
envisatTopPic
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.09 235.37 241.29 241.34 240.43 231.69 211.15 211.52
Block temp 206.37 205.82 223.73 222.33 220.87 201.74 149.79 146.55
DME temp 259.06 258.90 259.35 259.07 259.22 259.72 259.17 259.85
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 196
OBT 0x00ec6f17
Moni. TRUE
Anom 0

ETA-IR

Dit is een kortere eta-IR versie na de reparatie van de DAPB-EGSE

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marcel Dobber 16-8-1998	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_16081998_09183086.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/ETA-IR/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
	directory name is:
		2
		
		3
		(Y) / N
		~/DATA-DIR/ETA-IR/<C>
			Note: In window DATA-DIR
			(B)
			
			(C)
			
			(DIR-NAME)

Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window

Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled)
	`ls -l *.egse_ltf`
	What's the name of the egse_ltf file
	`<D>` should be `<A>.egse_ltf`
		scia_16081998_09183086_egse_ltf
		Y / N
			Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
			
			(D)

Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal` size:	146 kB	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal` size:	146 kB	should be approx 150Kb
	P-pol file:		

`ls -l *.wp*.avg cal`

size: 146 kB — should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:
`lpr -P<printer> *.ps`
Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: (Y) / N

Contents P file `*wp*.avg.cal` should resemble white light source: (Y) / N

Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source: (Y) / N
Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. (Y) / N
If not, value is: _____

ch 1,2 ? kunnen loop 1x gerund → ok !?

Add postscript images to logbook, done (Y) / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done (Y) / N

ETA processing

Run ETA

`idl do_eta` — In IDL window

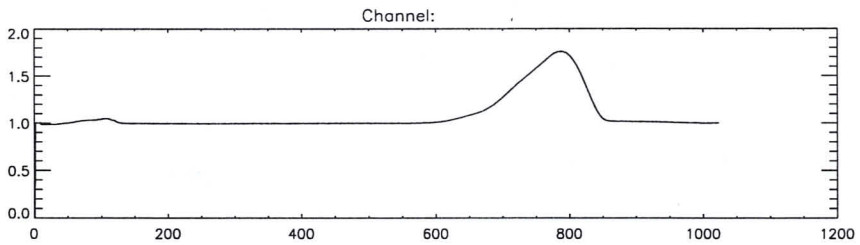
Check ETA

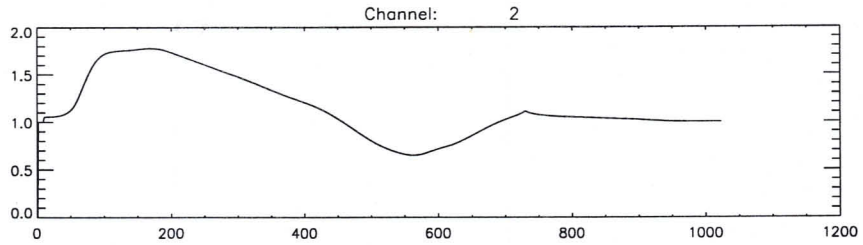
`ls -l *.p1.* | more` — In DATA-DIR window

Size of file `<D>.du*.avg.cal.[b|d].p1.cal`: 145998 — should be approx 150Kb

Size of file `<D>.du*.avg.cal.[b|d].p1.log`: 901

Check ETA visually	Size of file <D>.du*.avg.cal.[b|d].p1.ps	140.000
	lpr -P<printer> <D>.*du.*.p1.cal.ps	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (In channels 5-8).	(Y) / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	(Y) / N
	Add postscript images to logbook, done	(Y) / N
Print logfiles	lpr -P<printer> <D>.du*.p1.cal.log	
	Add logfiles to logbook, done	(Y) / N
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command /usr/bin/du -k . gives the number of kilo bytes in the current directory). Name of backup CDs	160899A See analysis sheet BackUp
Sign:	Name	MKuij
	Date and time	16-8-98
	Signature	


Channel: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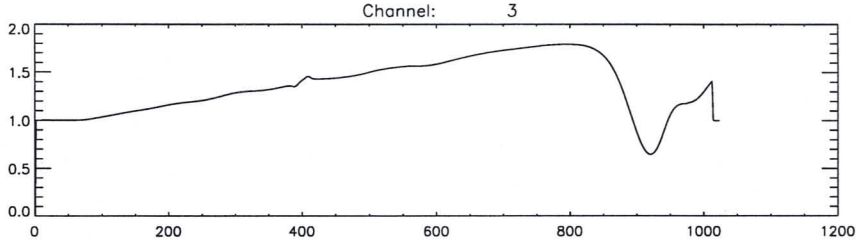
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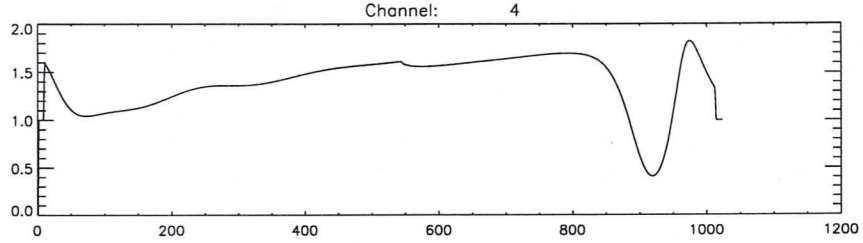
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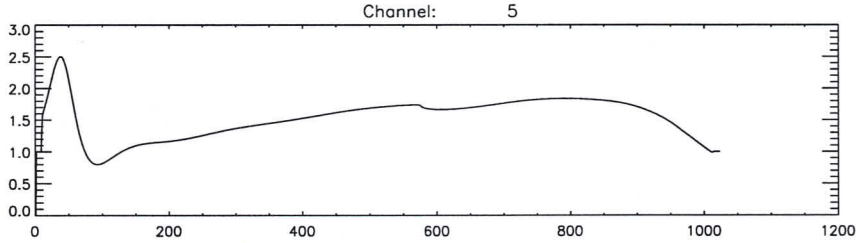
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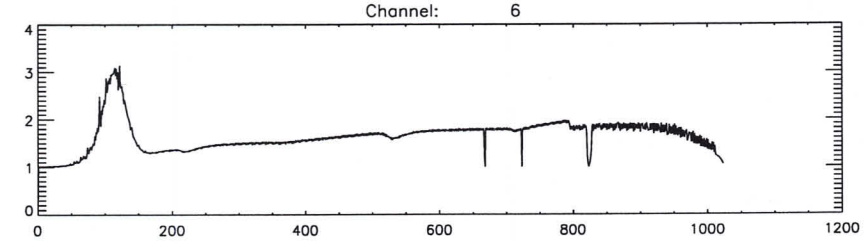
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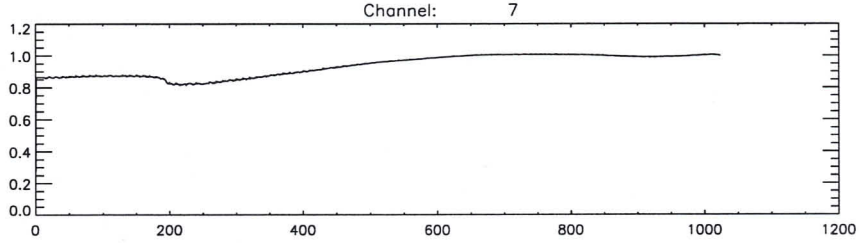
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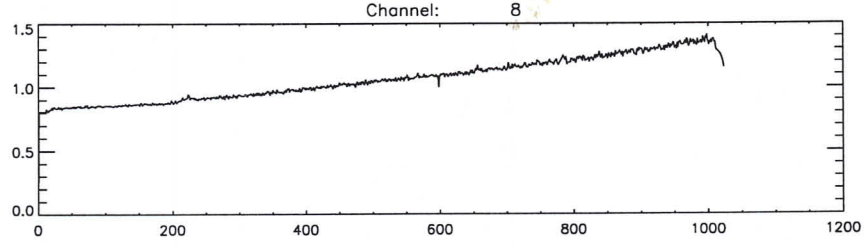
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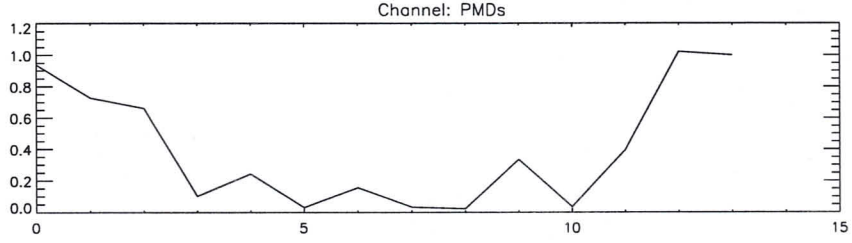
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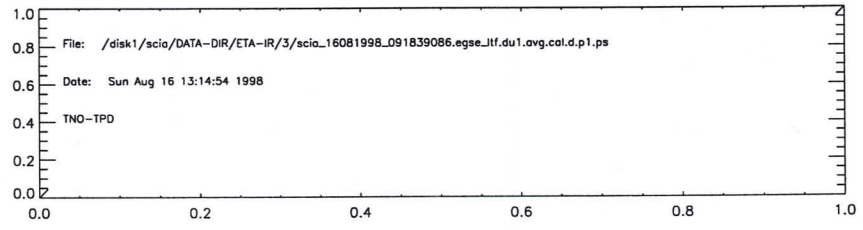
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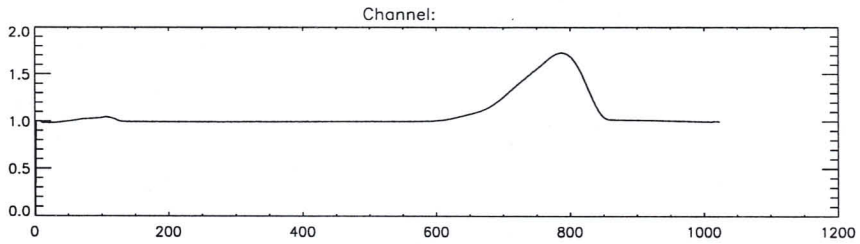
Date: Sun Aug 16 13:14:54 1998
TNO-TPD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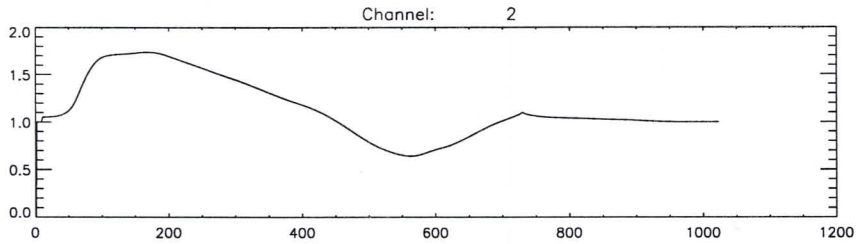
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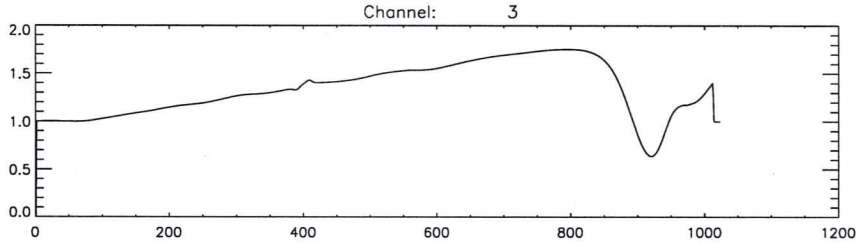
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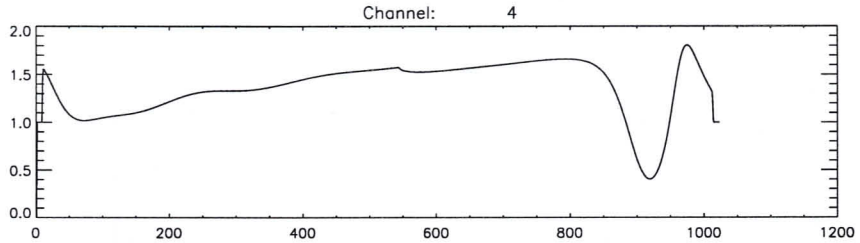
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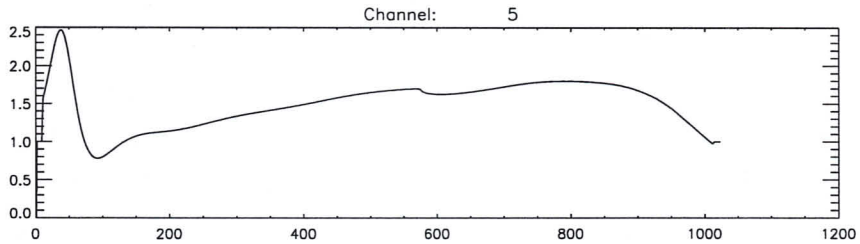
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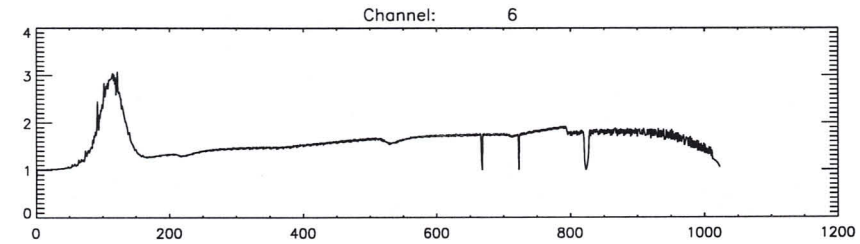
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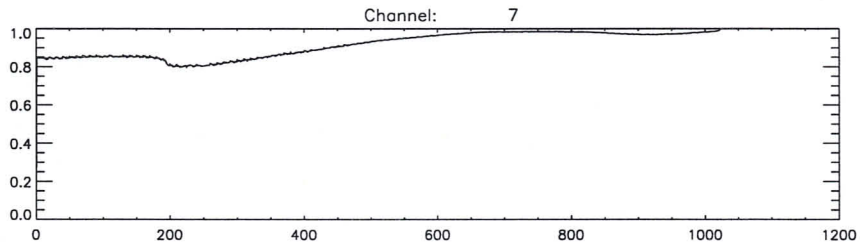
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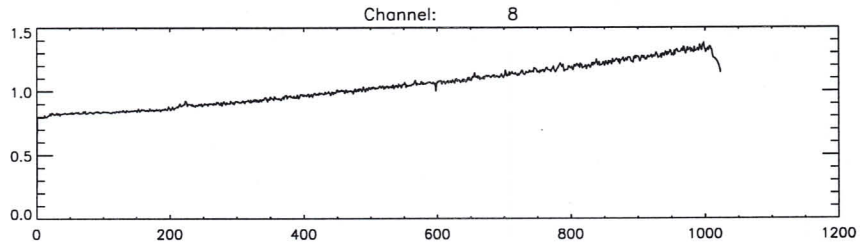
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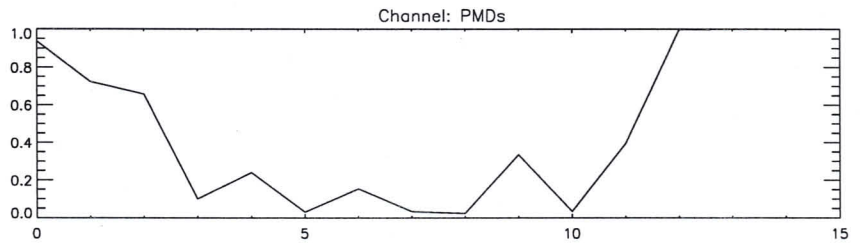
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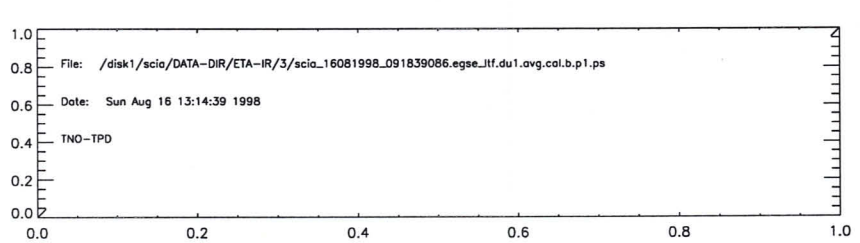
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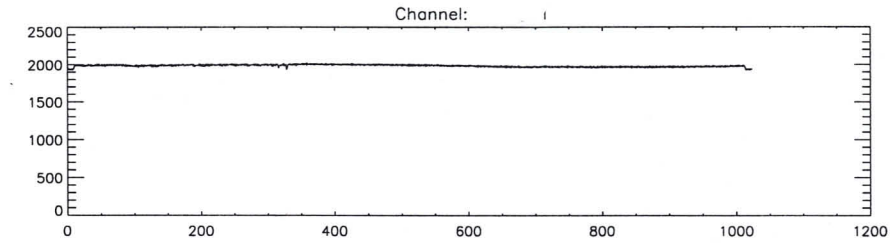
Date: Sun Aug 16 13:14:39 1998
TNO-TPD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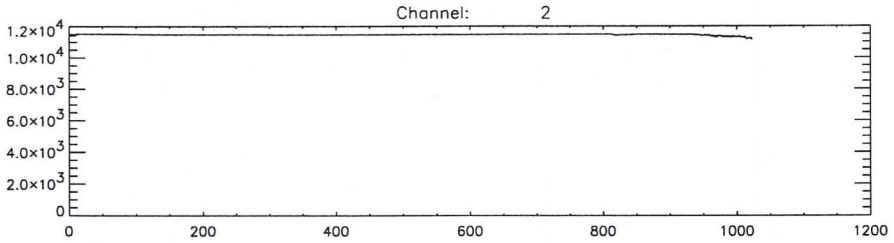
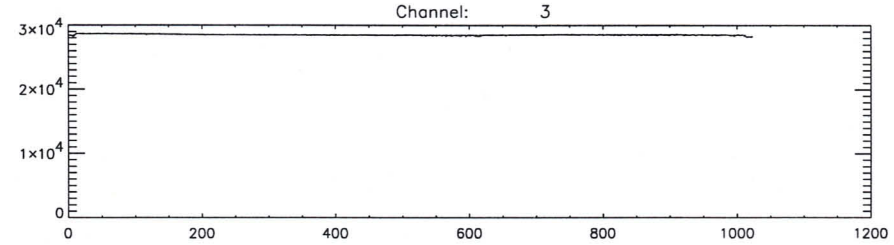
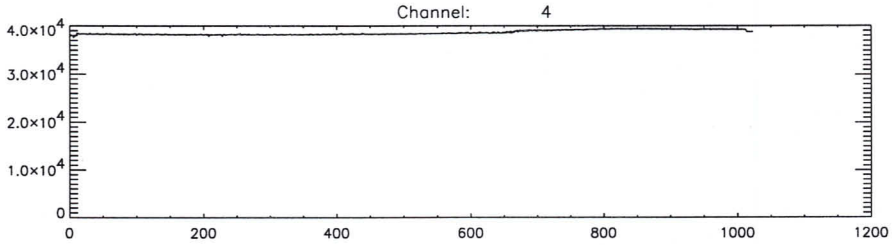
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200


Channel: 3
3×10^4
2×10^4
1×10^4
0
0
200
400
600
800
1000
1200


Channel: 4
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3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
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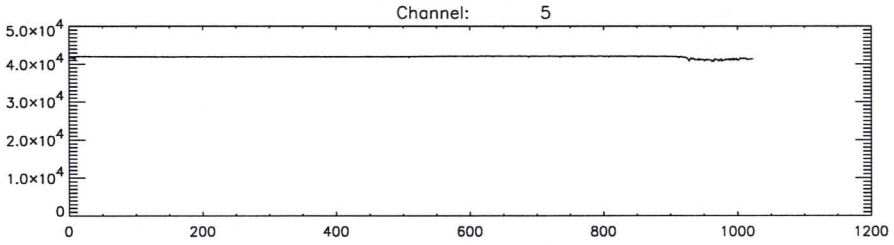
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5.0×10^4
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1.0×10^4
0
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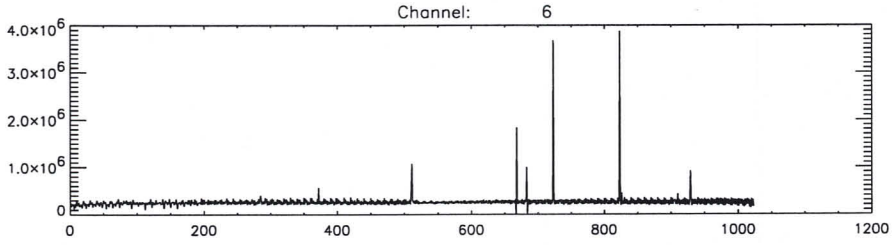
200
400
600
800
1000
1200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4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
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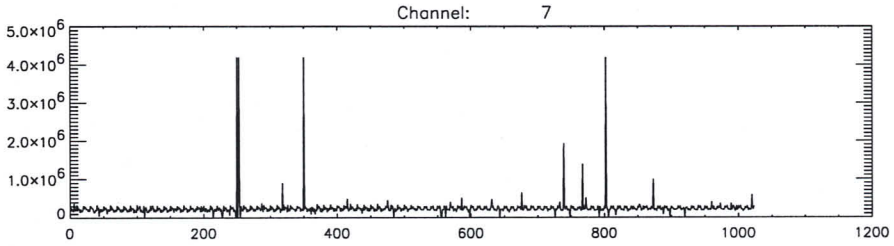
Channel: 7
5.0×10^6
4.0×10^6
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2.0×10^6
1.0×10^6
0
0
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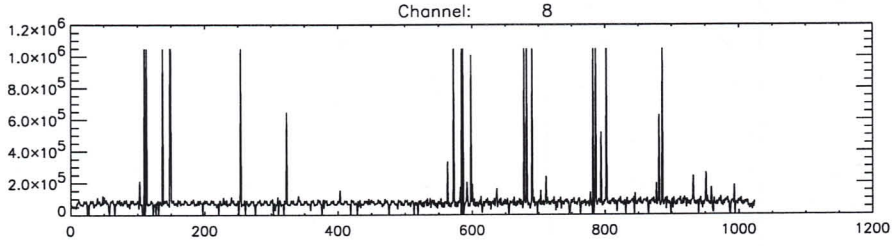
600
800
1000
1200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1.0×10^6
8.0×10^5
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4.0×10^5
2.0×10^5
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0
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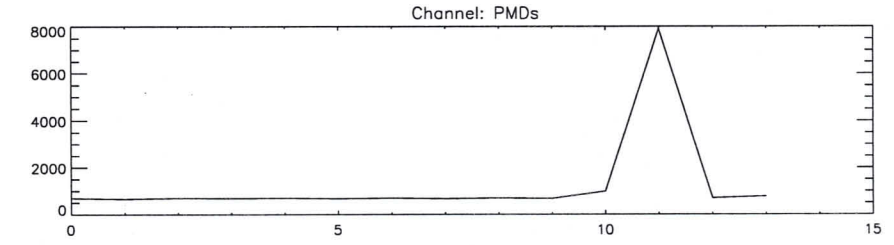
400
600
800
1000
1200


Channel: PMDs
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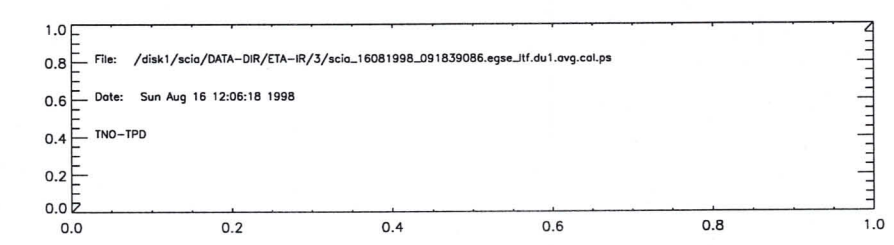
4000
2000
0
0
5
10
15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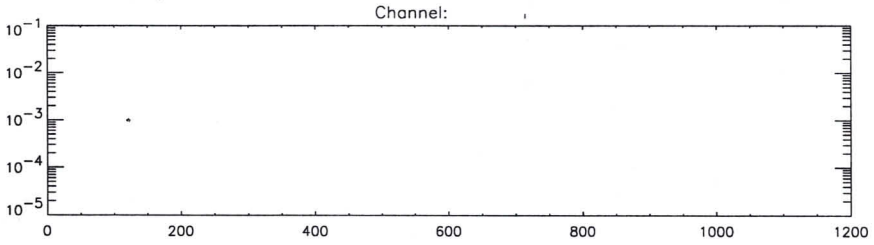
Date: Sun Aug 16 12:06:18 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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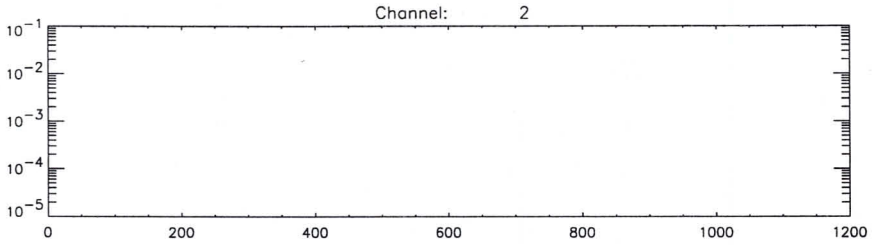
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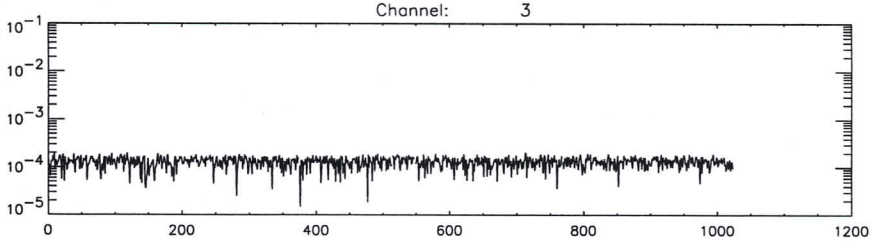
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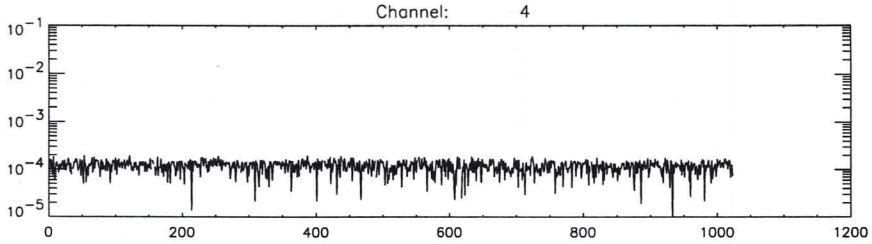
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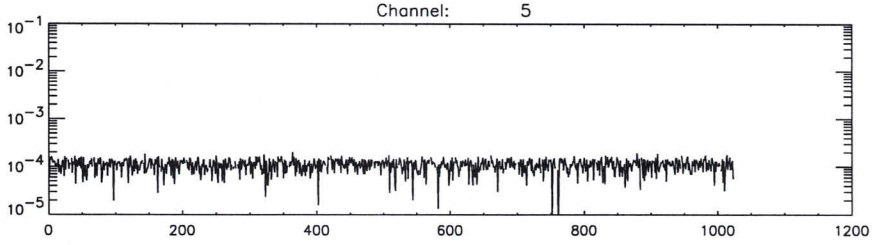
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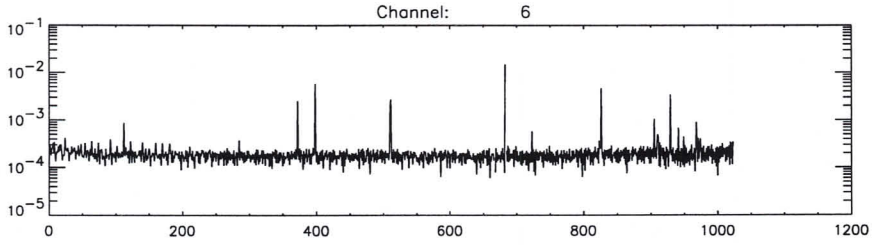
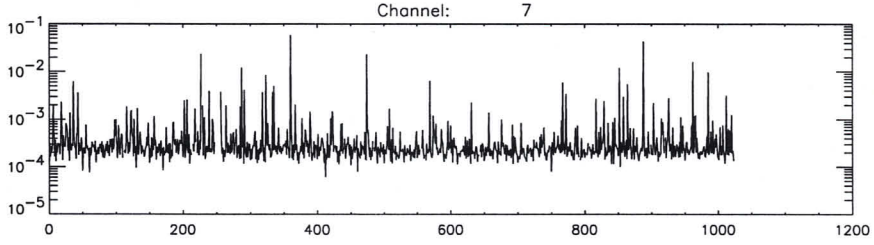

Channel: 6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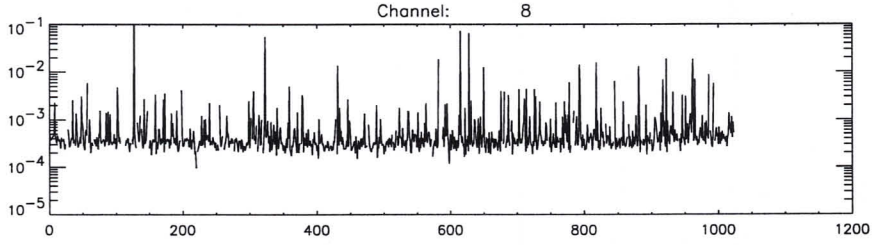
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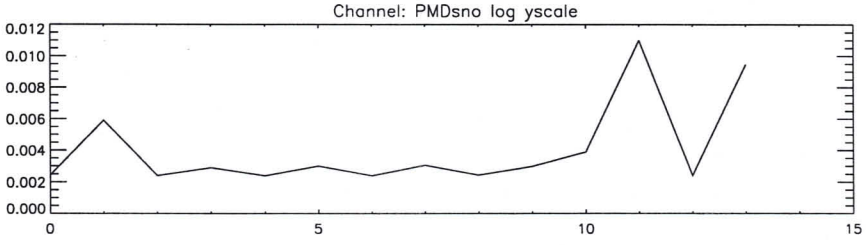
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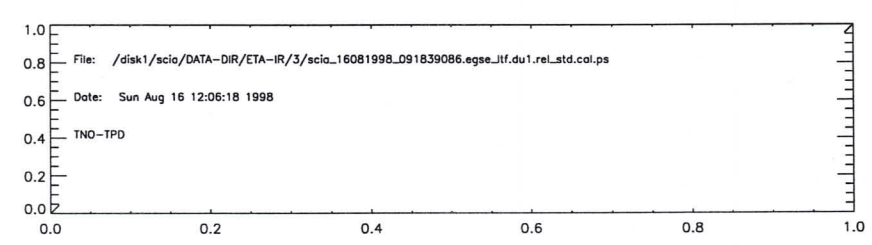
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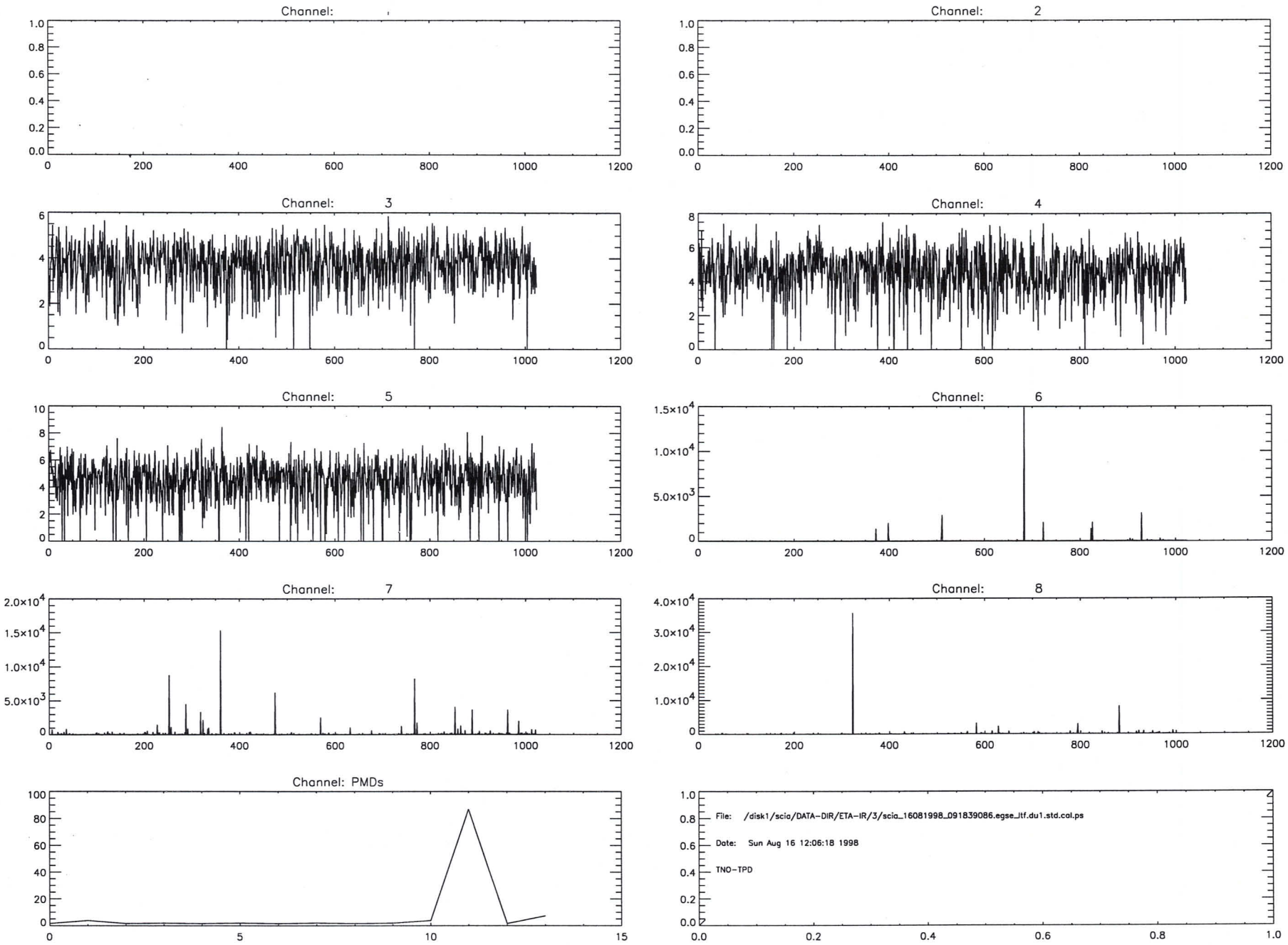
Date: Sun Aug 16 12:06:18 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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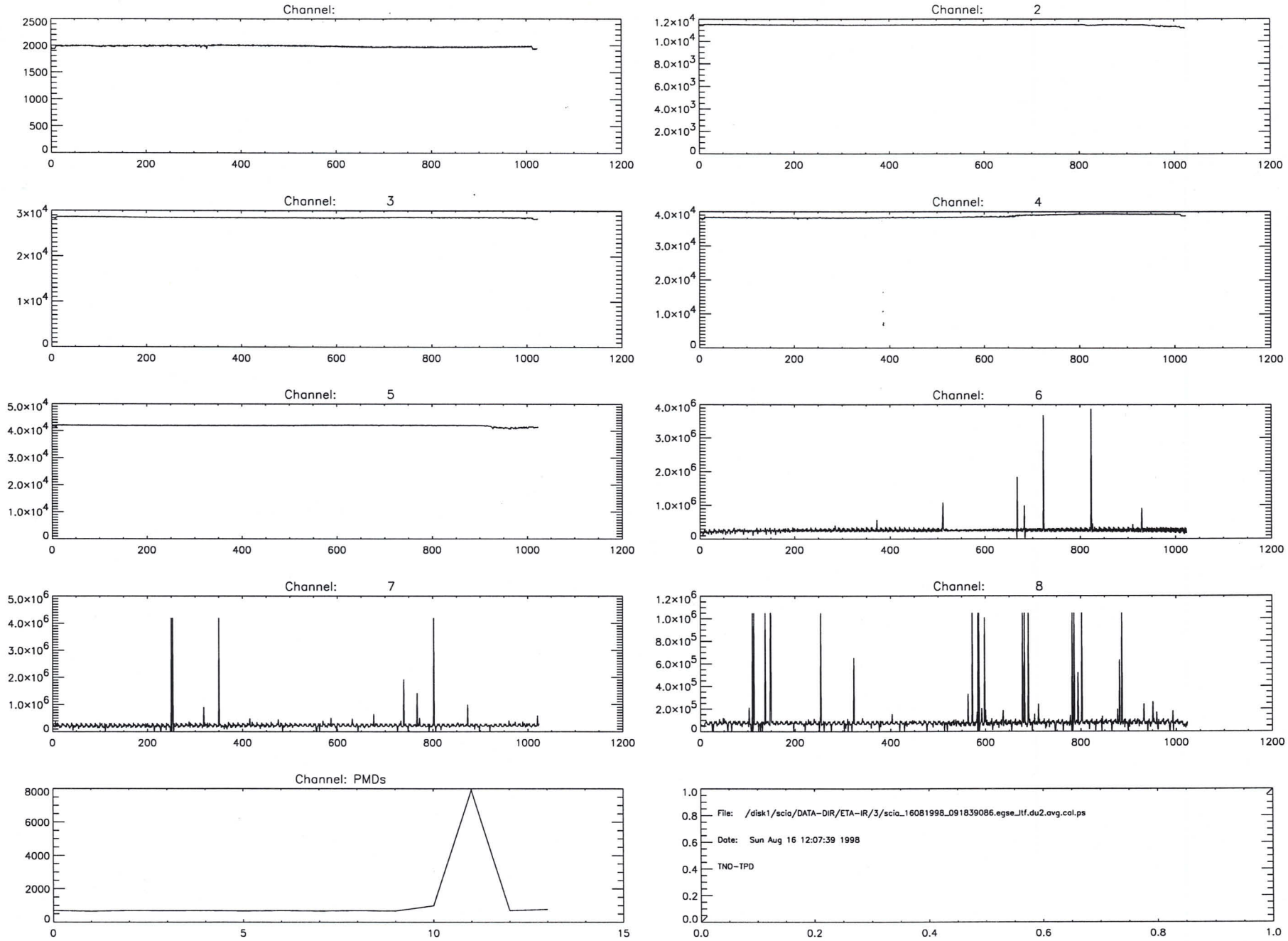
Date: Sun Aug 16 12:06:18 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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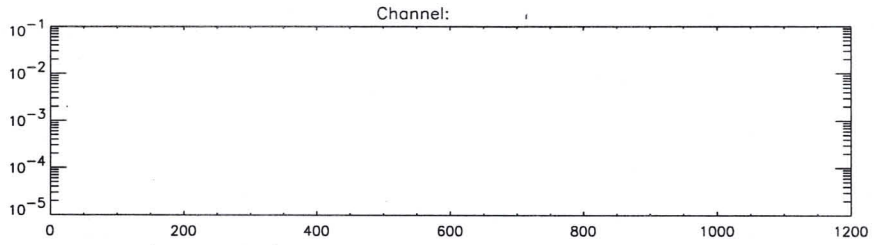
Date: Sun Aug 16 12:07:39 1998
TNO-TPD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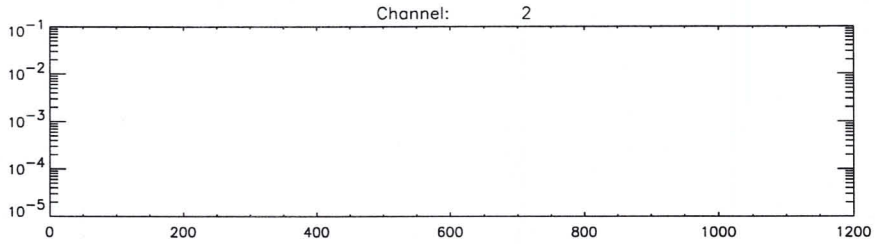
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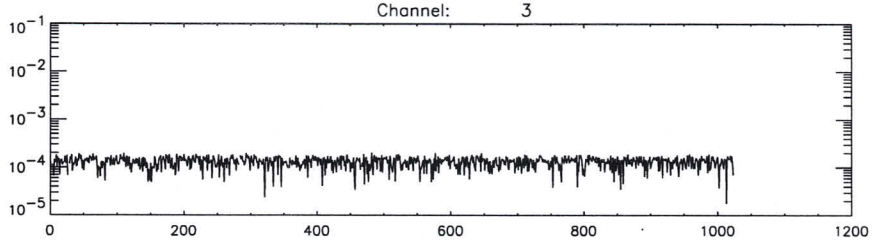
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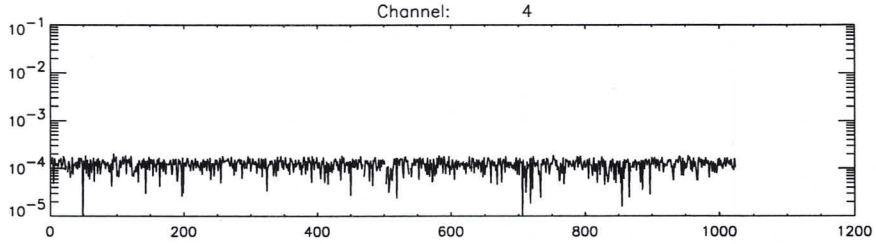
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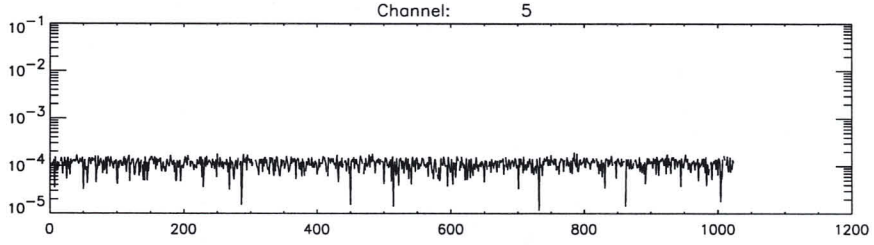
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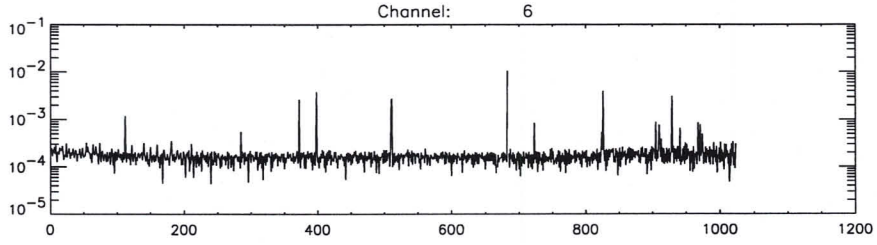
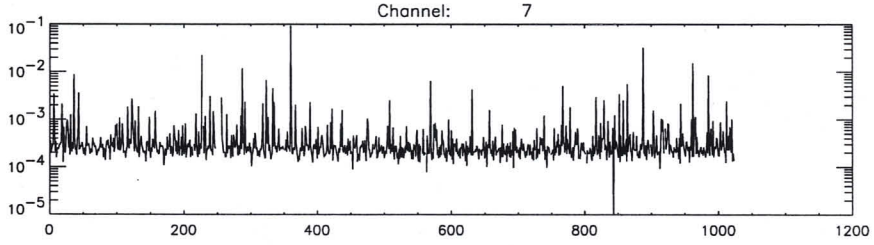
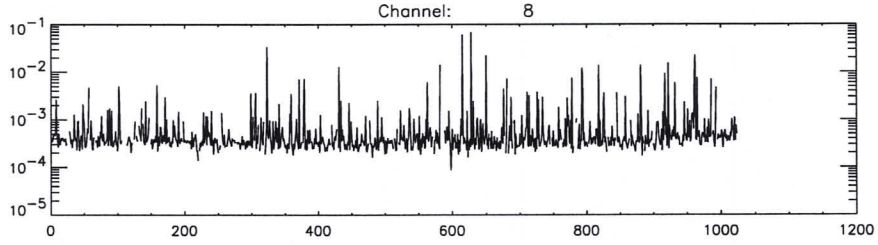

Channel: 6


Channel: 7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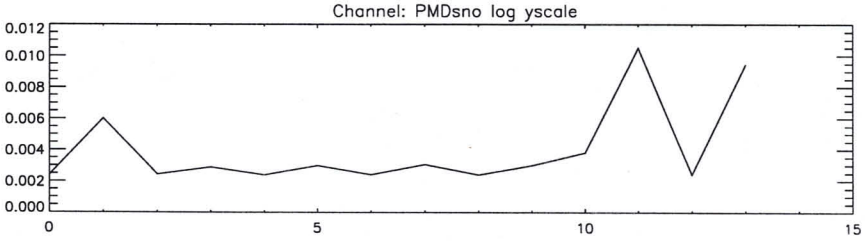
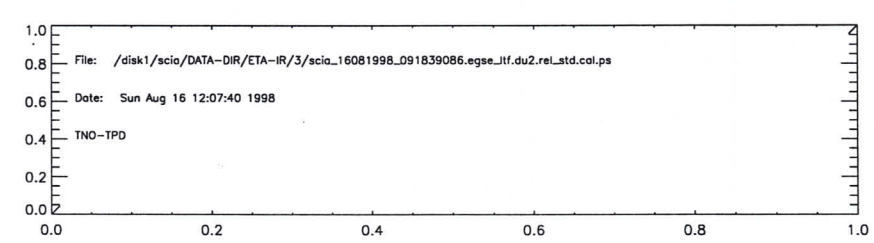
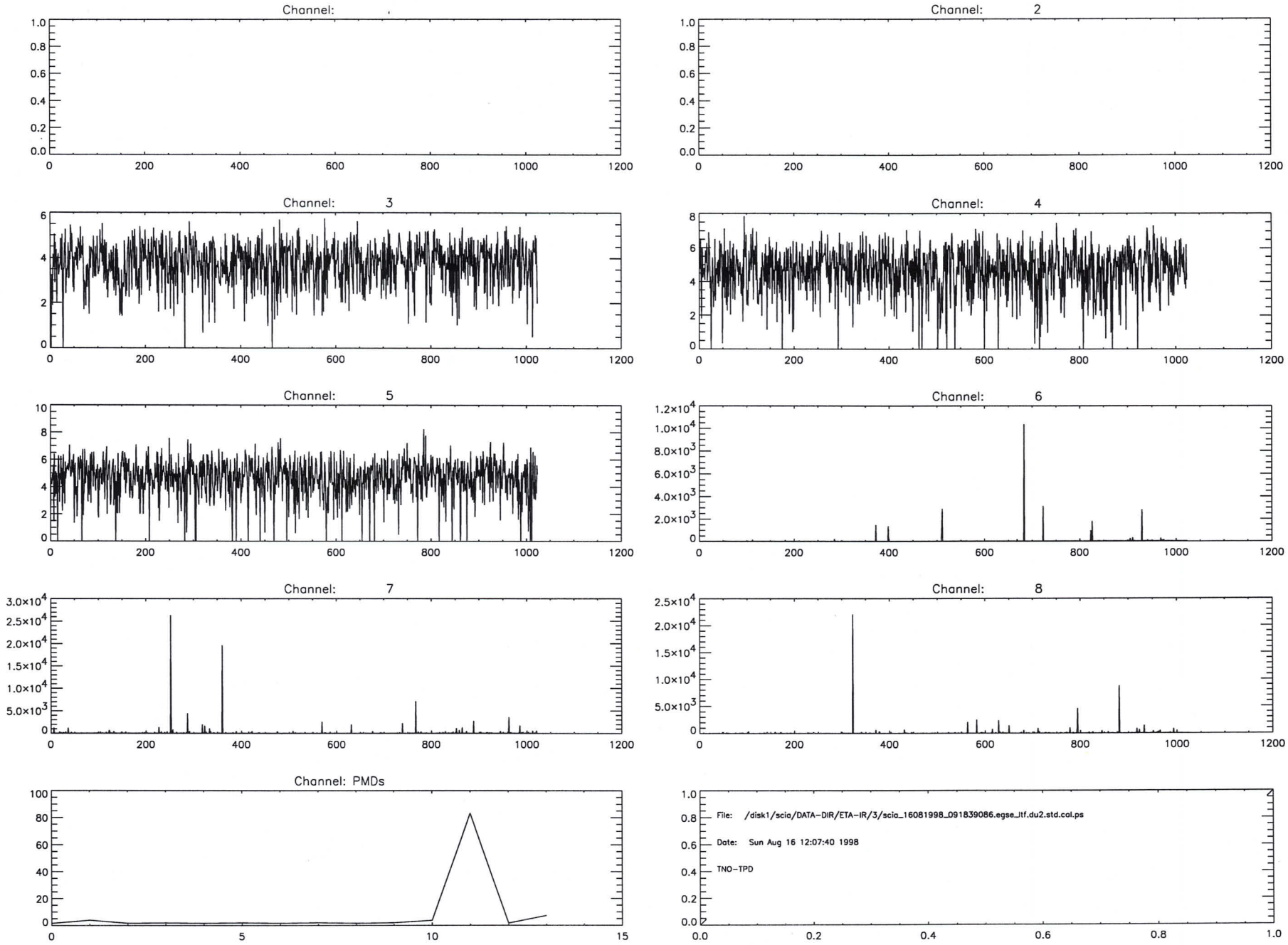
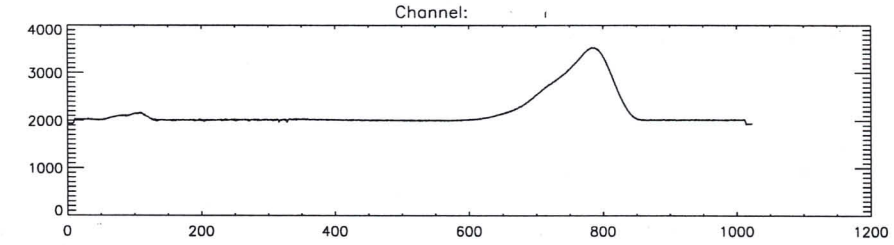

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.du2.rel_std.cal.ps
Date: Sun Aug 16 12:07:40 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.du2.std.cal.ps
Date: Sun Aug 16 12:07:40 1998
TNO-TPD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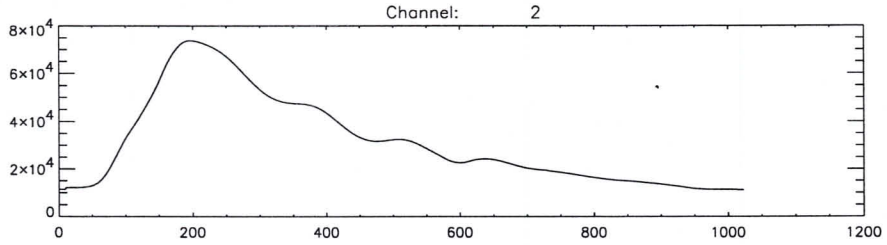
600
800
1000
1200


Channel: 2
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6×10^4
4×10^4
2×10^4
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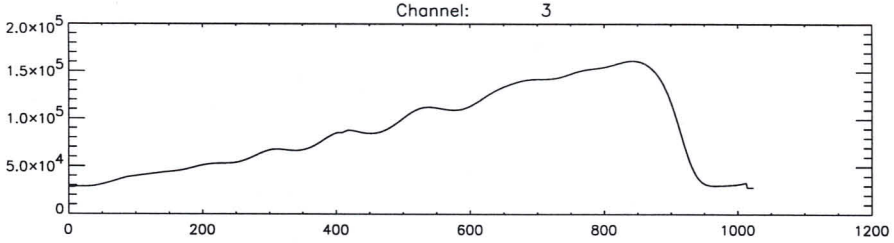
0
200
400
600
800
1000
1200


Channel: 3
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1.5×10^5
1.0×10^5
5.0×10^4
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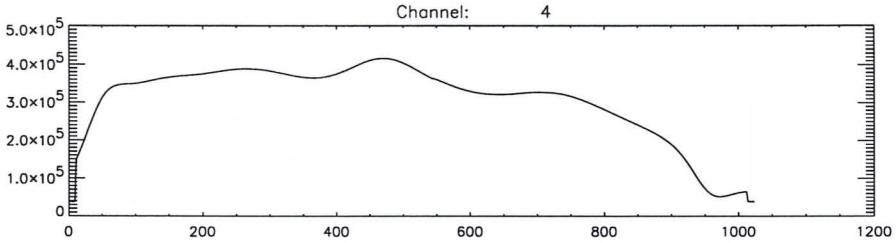
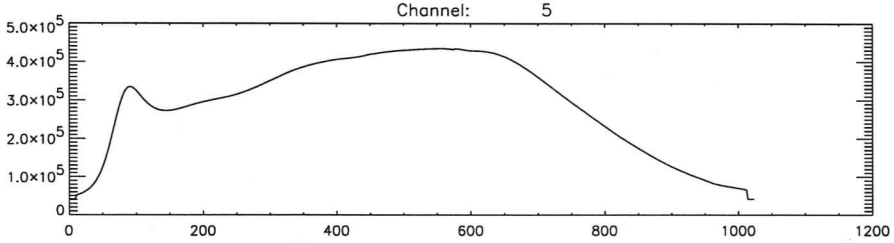
0
200
400
600
800
1000
1200


Channel: 4
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 5
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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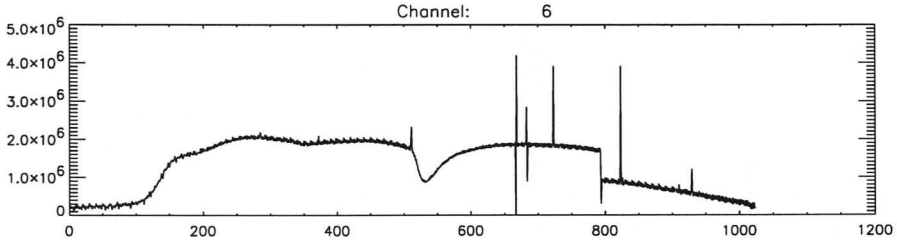
400
600
800
1000
1200


Channel: 6
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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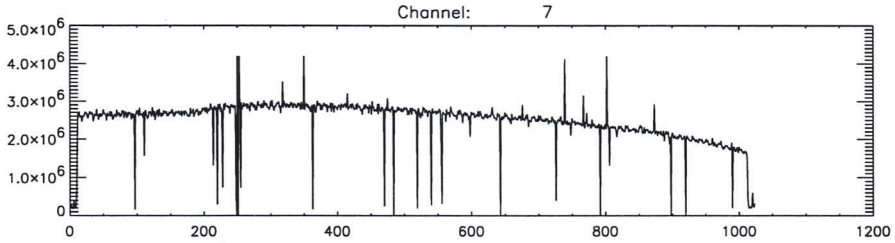
400
600
800
1000
1200


Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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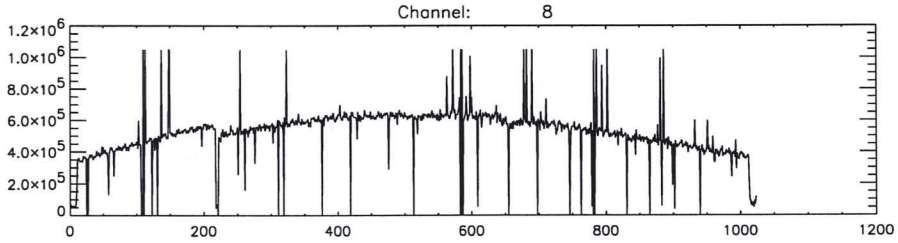
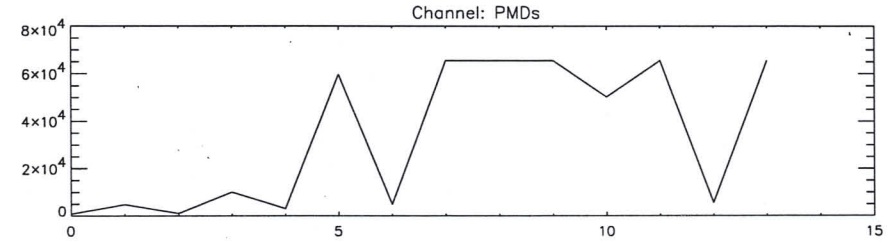
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
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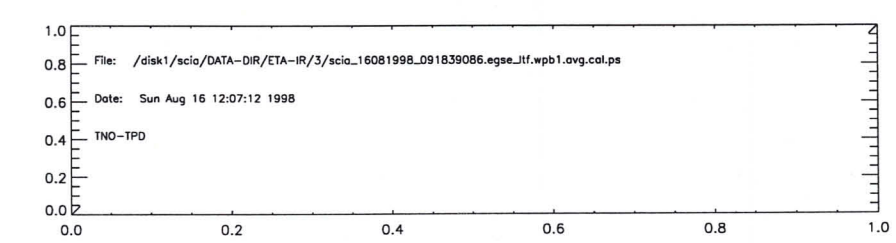
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb1.avg.cal.ps
Date: Sun Aug 16 12:07:12 1998
TNO-TPD
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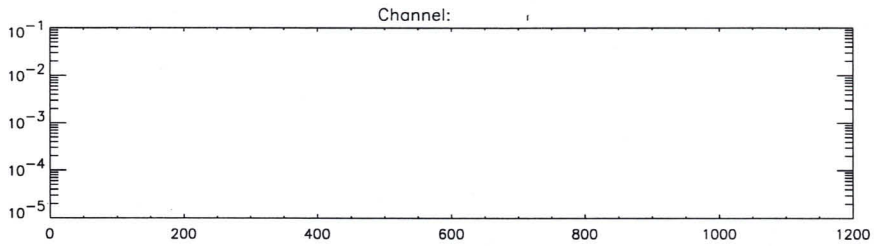
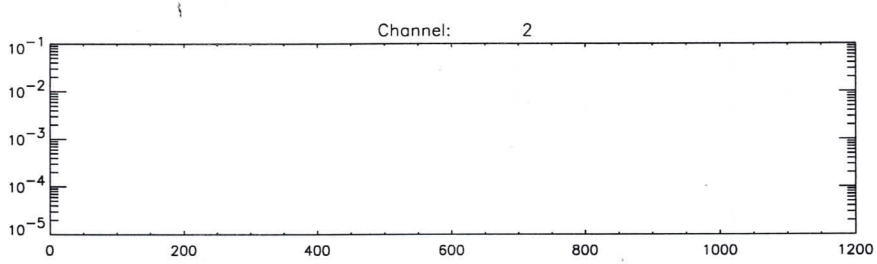
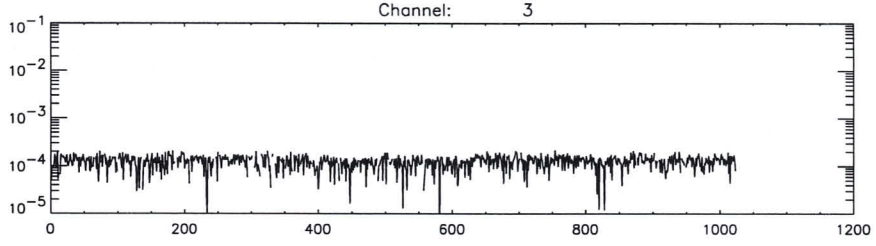
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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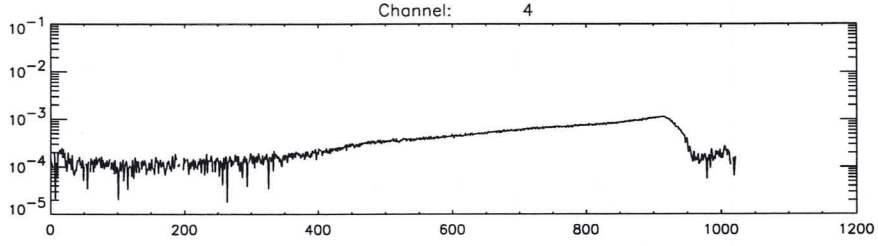
400
600
800
1000
1200


Channel: 4
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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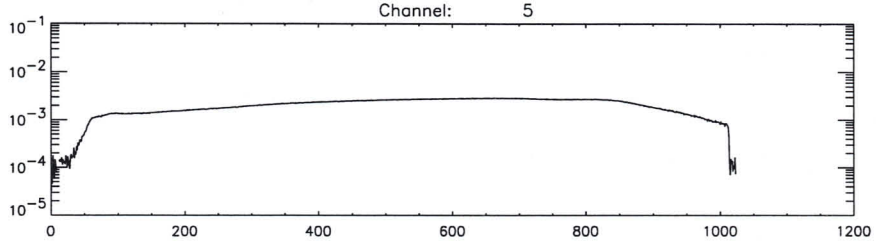
400
600
800
1000
1200


Channel: 5
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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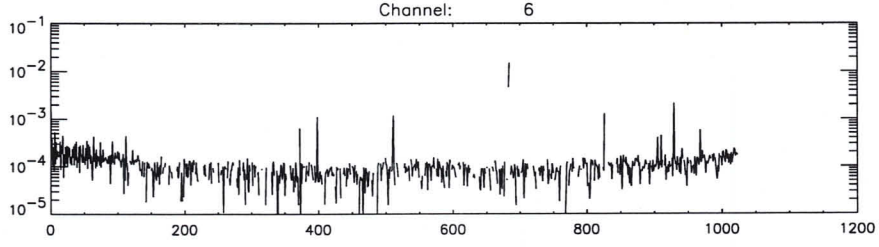
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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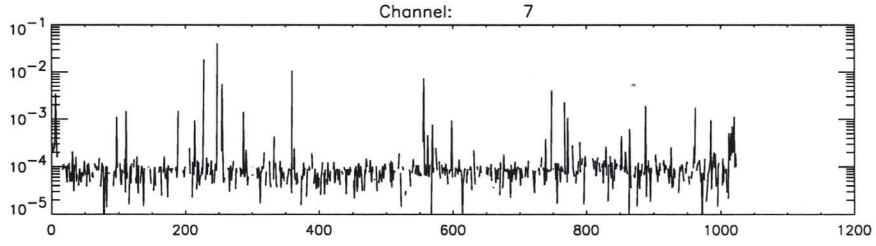
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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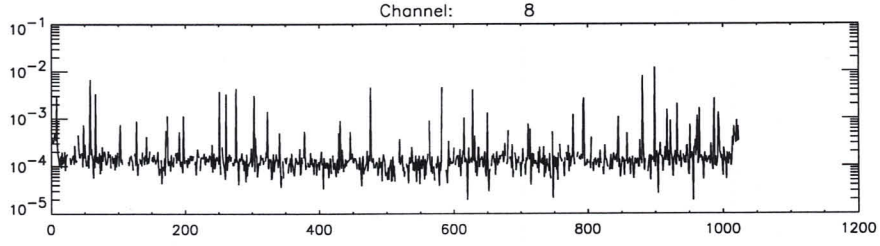
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
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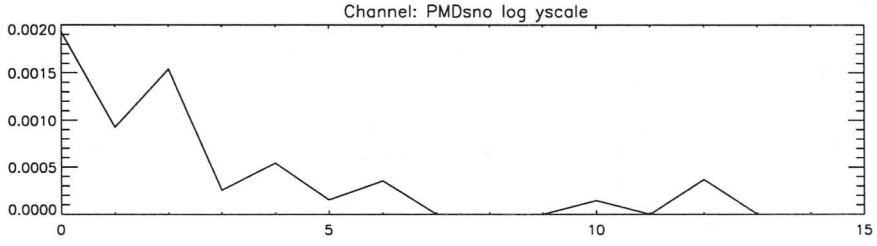
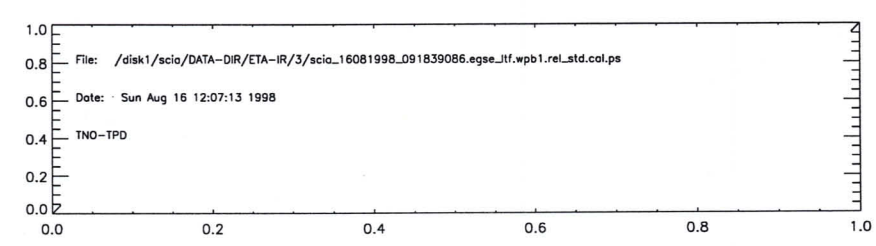
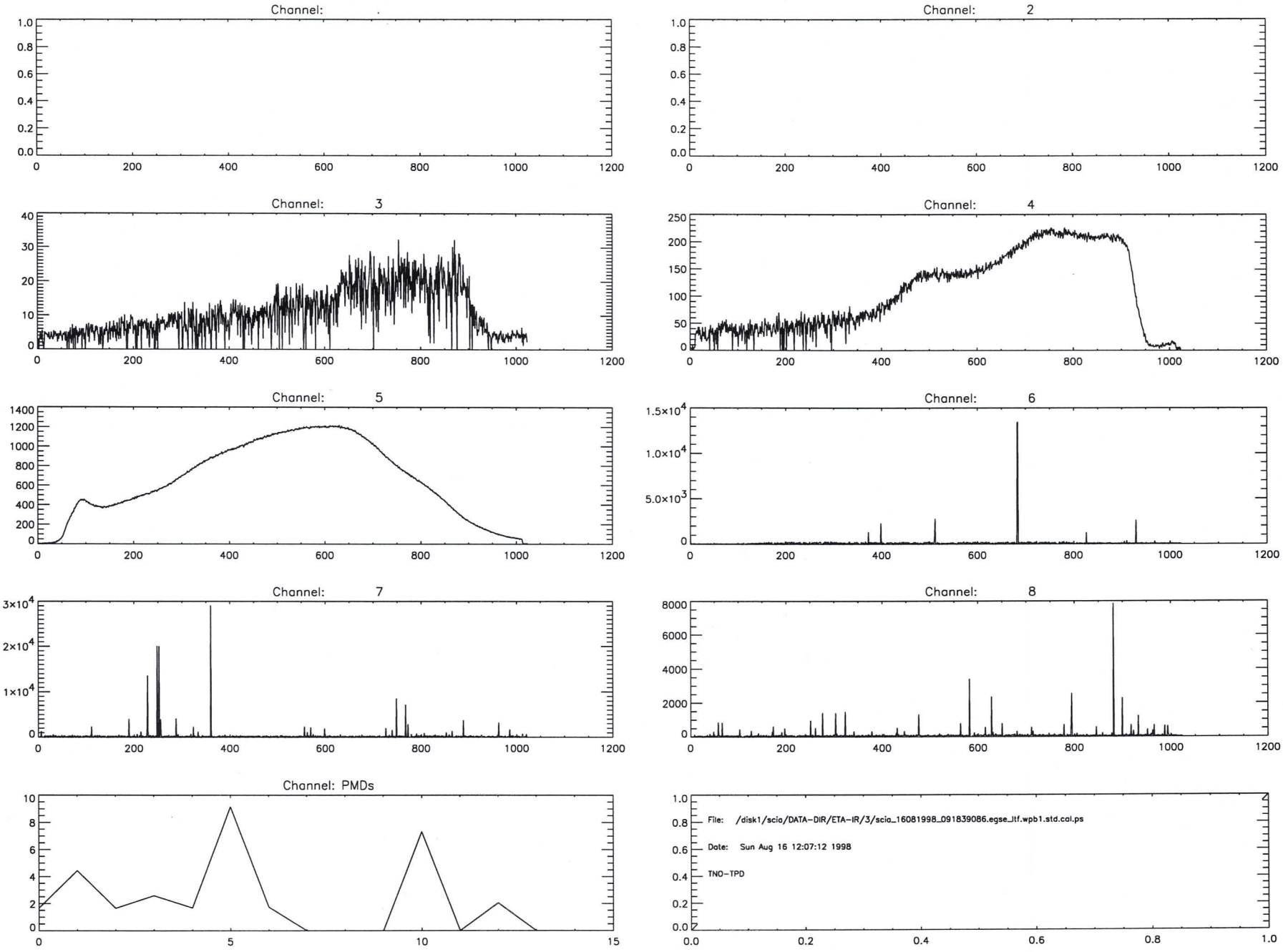
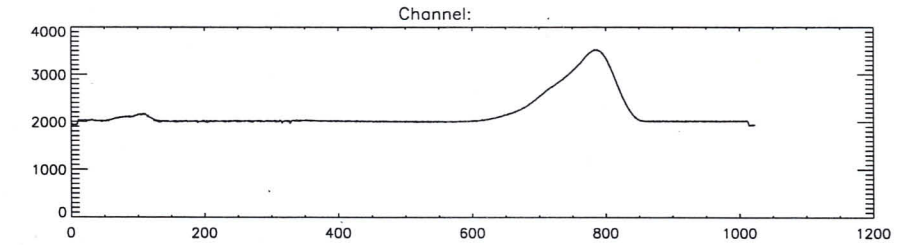
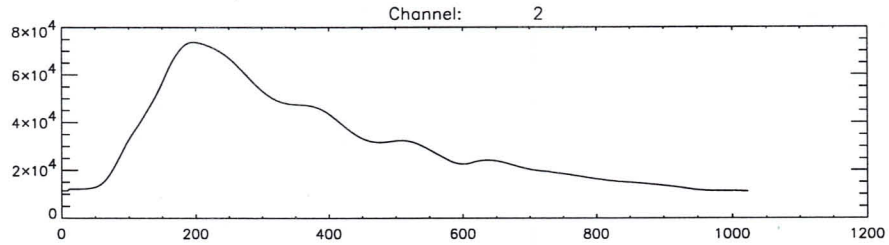
400
600
800
1000
1200


Channel: PMDsno log yscale
0.0020
0.0015
0.0010
0.0005
0.0000
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb1.rel_std.cal.ps
Date: Sun Aug 16 12:07:13 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wpb1.std.col.ps
Date: Sun Aug 16 12:07:12 1998
TNO-TPD


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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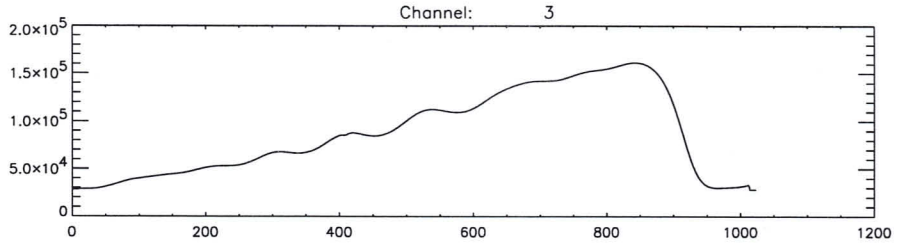
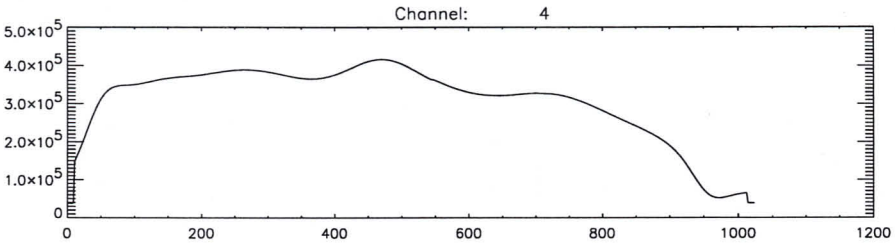
0
200
400
600
800
1000
1200


Channel: 3
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 4
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
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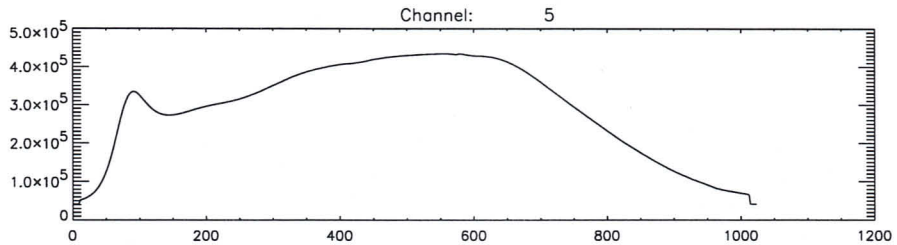
400
600
800
1000
1200


Channel: 5
5.0x10^5
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3.0x10^5
2.0x10^5
1.0x10^5
0
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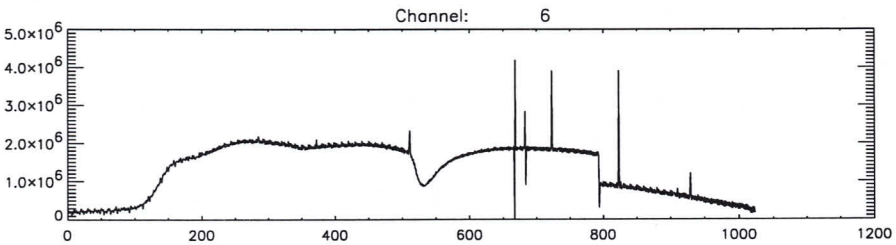
600
800
1000
1200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3.0x10^6
2.0x10^6
1.0x10^6
0
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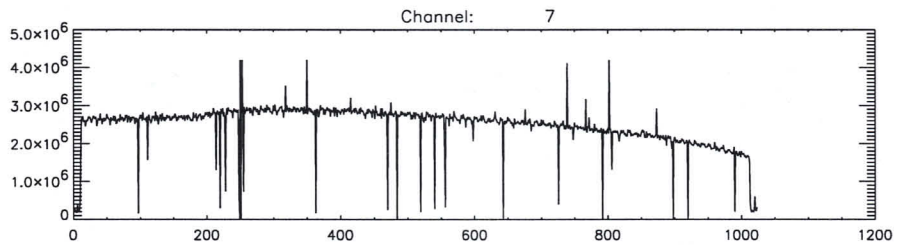
600
800
1000
1200


Channel: 7
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3.0x10^6
2.0x10^6
1.0x10^6
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1000
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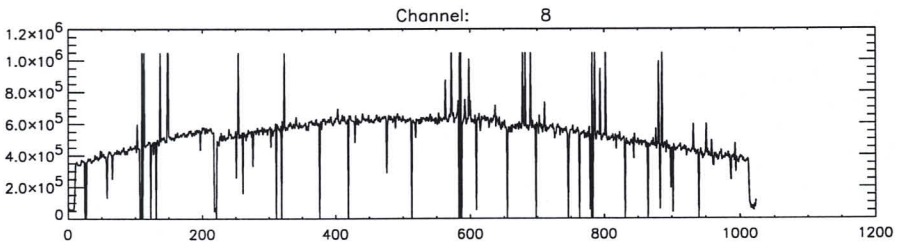
Channel: 8
1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
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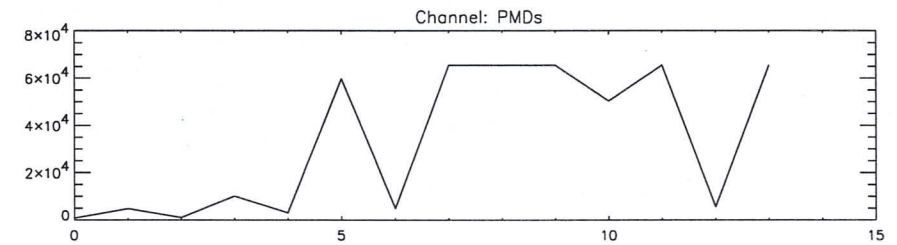
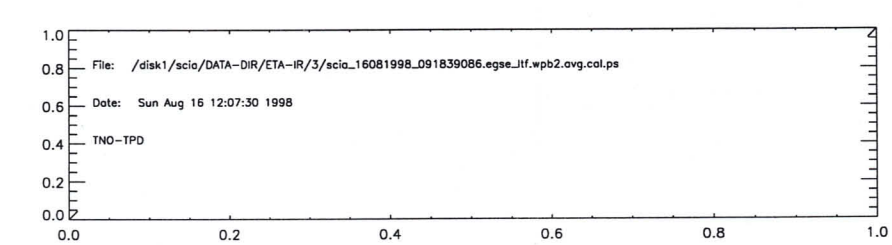
400
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wpb2.avg.cal.ps
Date: Sun Aug 16 12:07:30 1998
TNO-TPD
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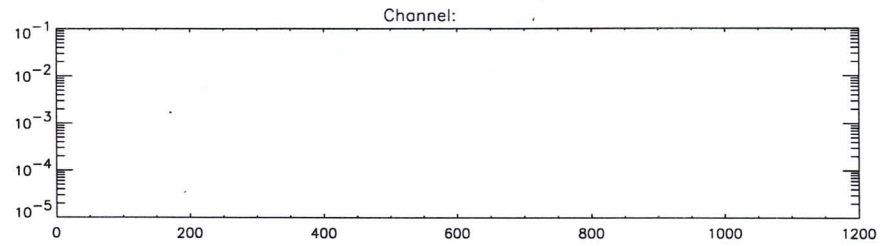
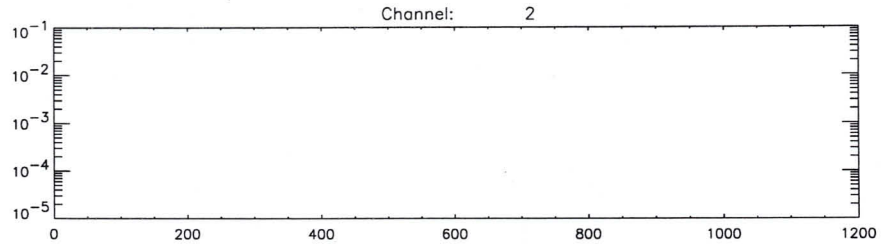
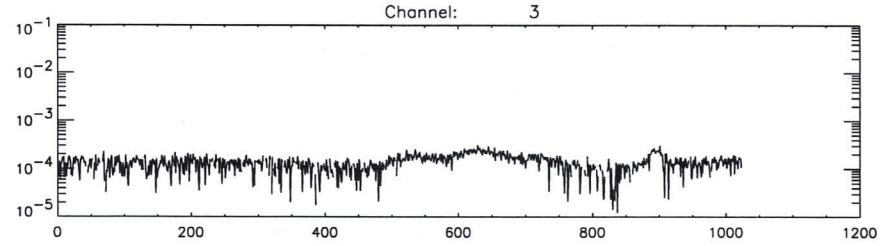
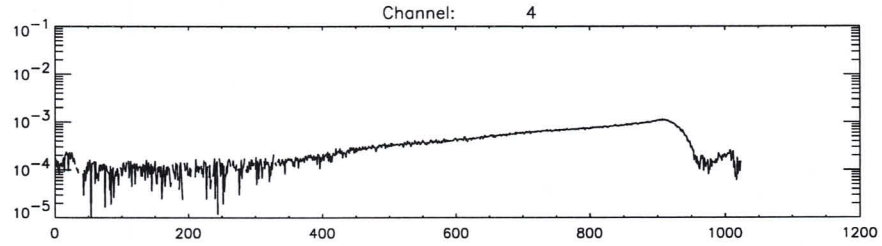
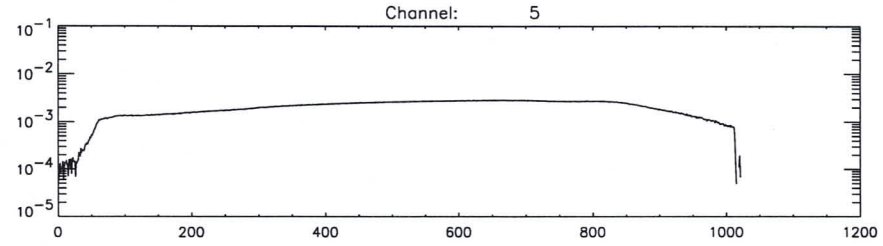
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

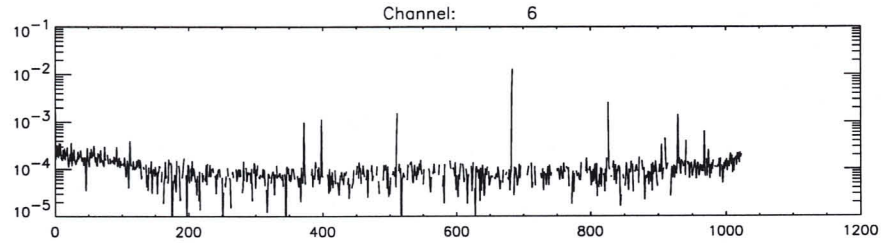

Channel:

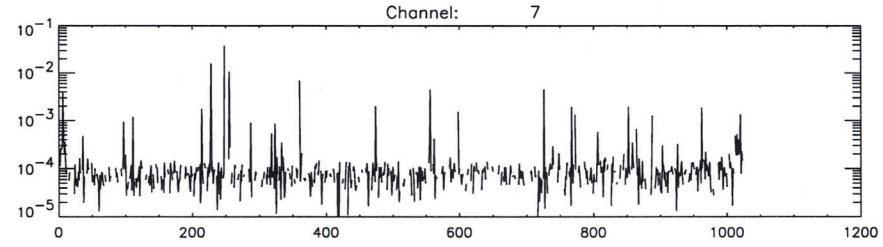

Channel: 2

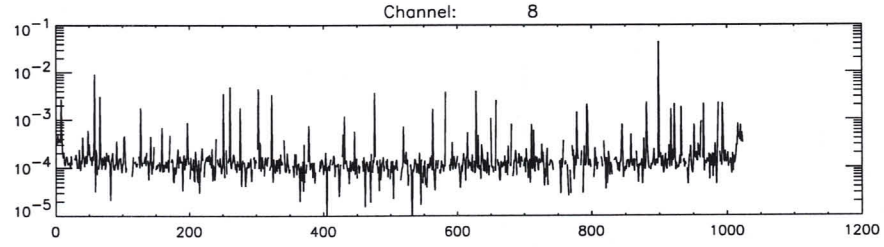

Channel: 3

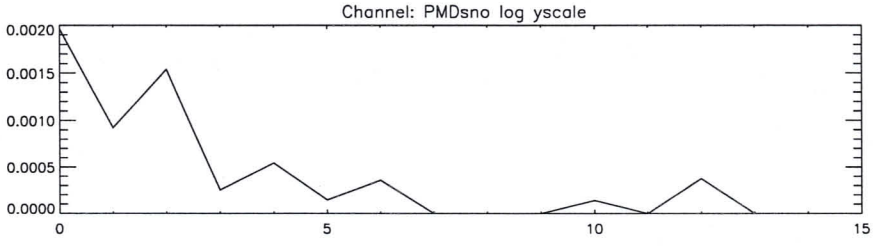

Channel: 4

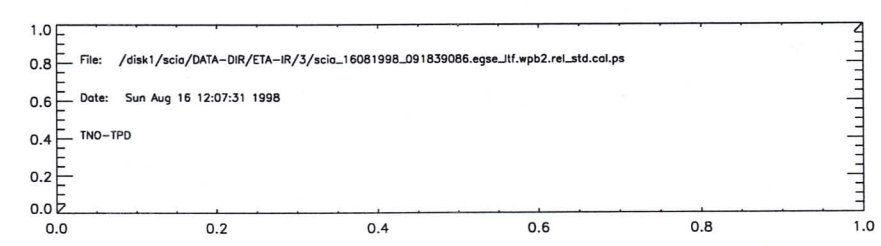

Channel: 5

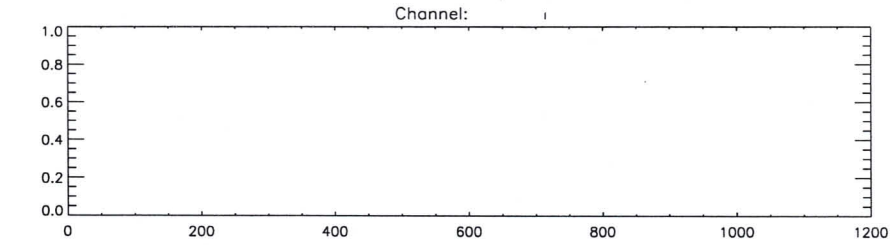

Channel: 6

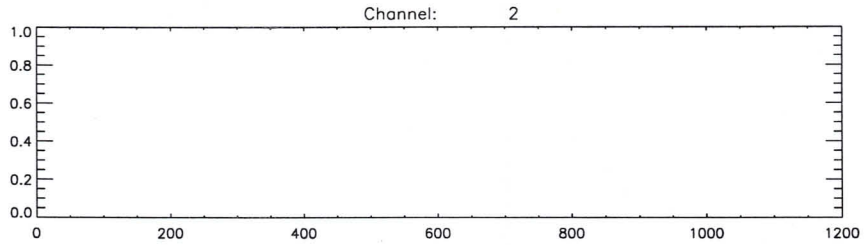

Channel: 7

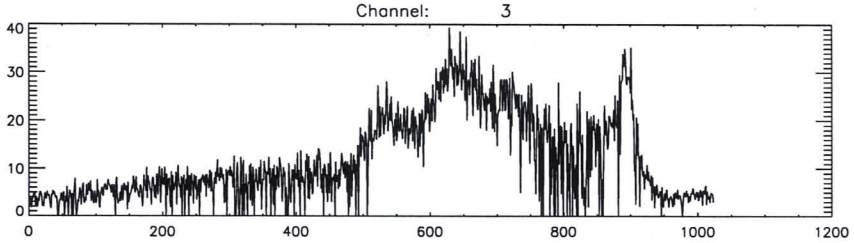

Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wpb2.rel_std.cal.ps
Date: Sun Aug 16 12:07:31 1998
TNO-TPD


Channel:
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 3
40
30
20
10
0
0
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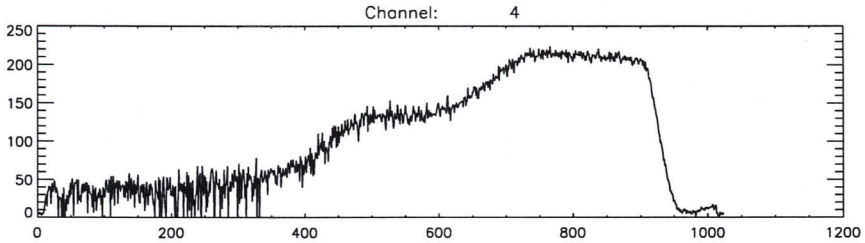
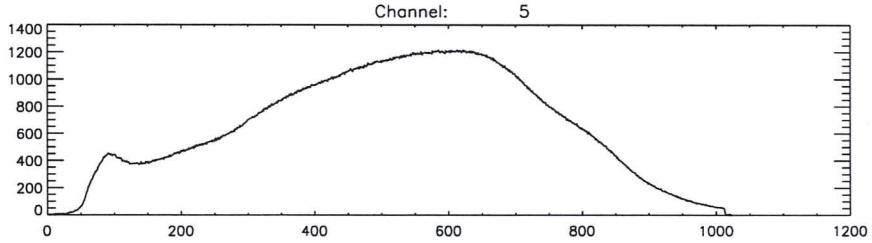
600
800
1000
1200


Channel: 4
250
200
150
100
50
0
0
200
400
600
800
1000
1200


Channel: 5
1400
1200
1000
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600
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200
0
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600
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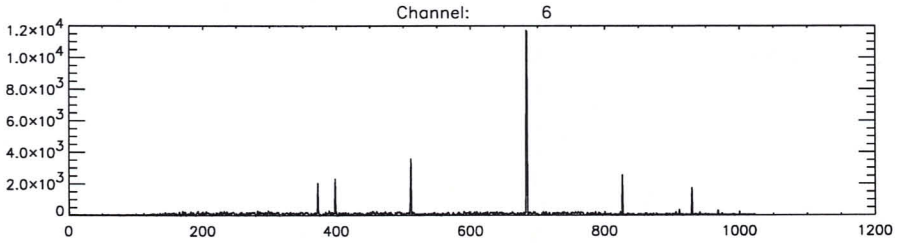
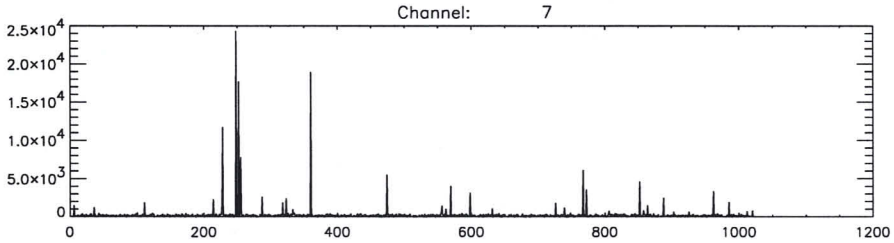
1000
1200


Channel: 6
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200


Channel: 7
2.5×10^4
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
0
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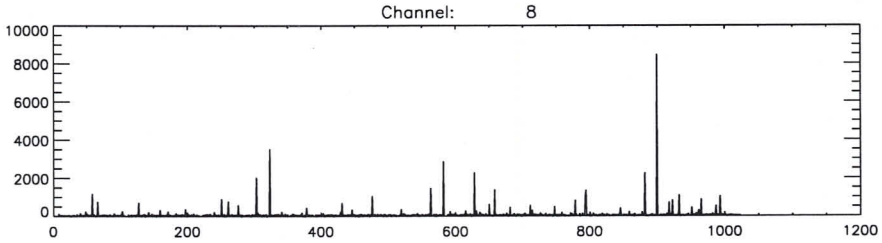
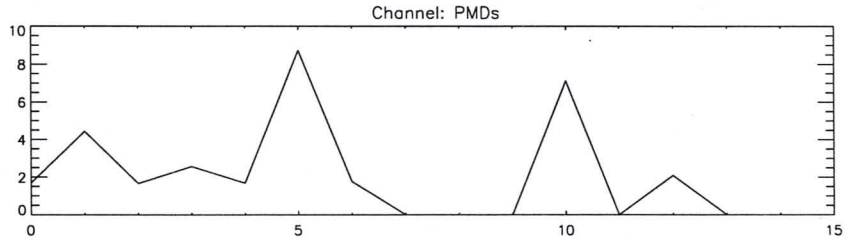
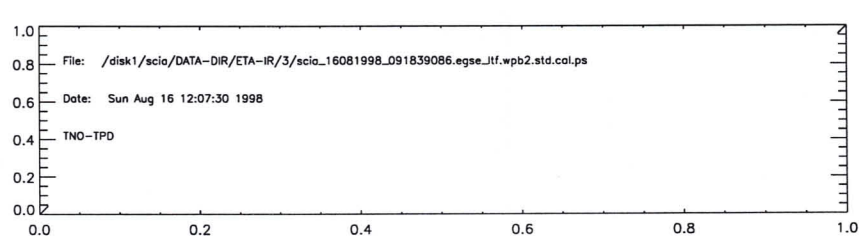
400
600
800
1000
1200


Channel: 8
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: PMDs
10
8
6
4
2
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wpb2.std.cal.ps
Date: Sun Aug 16 12:07:30 1998
TNO-TPD
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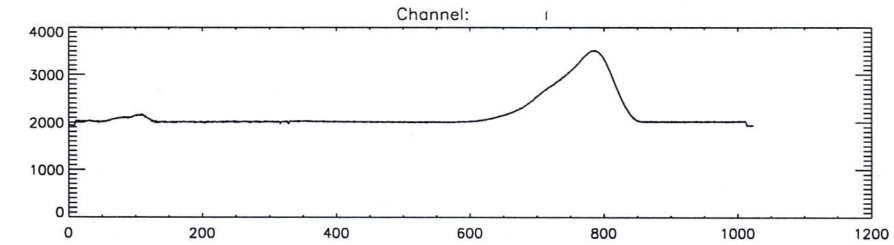
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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3000
2000
1000
0
0
200
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1000
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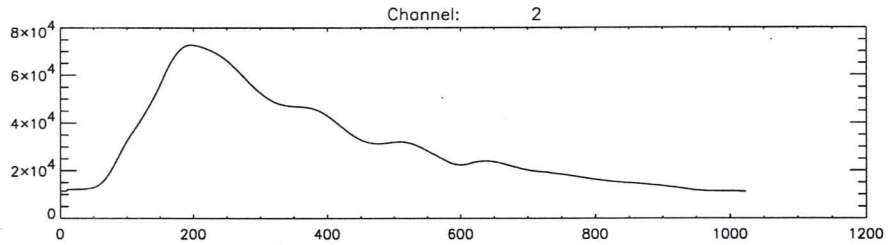
Channel: 2
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6×10^4
4×10^4
2×10^4
0
0
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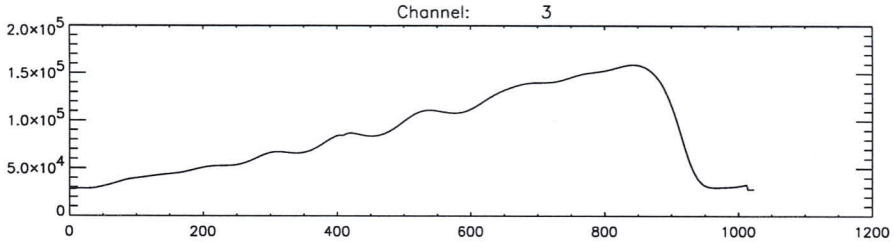
400
600
800
1000
1200


Channel: 3
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1.5×10^5
1.0×10^5
5.0×10^4
0
0
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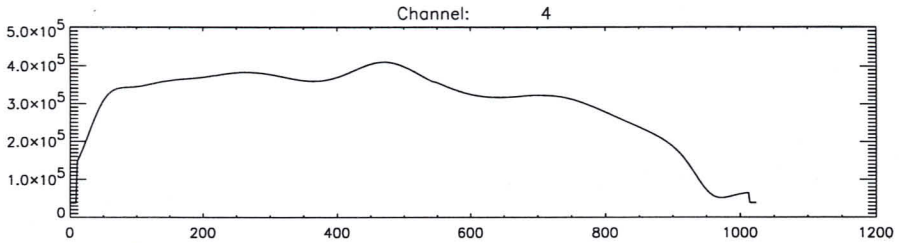
400
600
800
1000
1200


Channel: 4
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3.0×10^5
2.0×10^5
1.0×10^5
0
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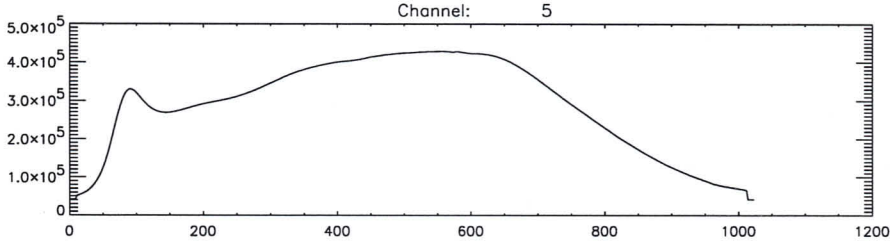
600
800
1000
1200


Channel: 5
5.0×10^5
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3.0×10^5
2.0×10^5
1.0×10^5
0
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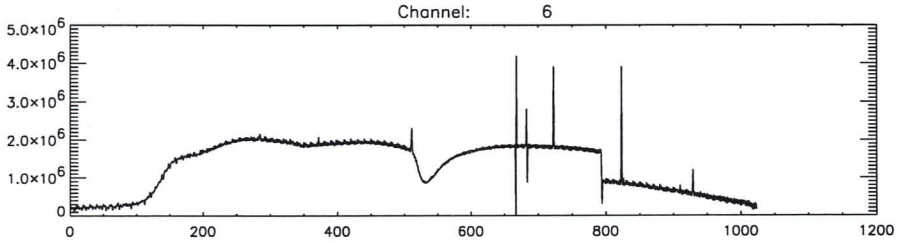
600
800
1000
1200


Channel: 6
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2.0×10^6
1.0×10^6
0
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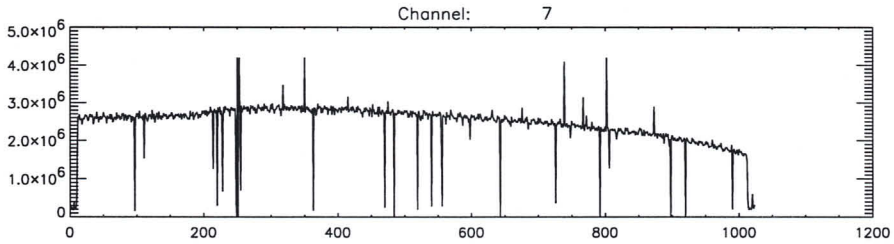
600
800
1000
1200


Channel: 7
5.0×10^6
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3.0×10^6
2.0×10^6
1.0×10^6
0
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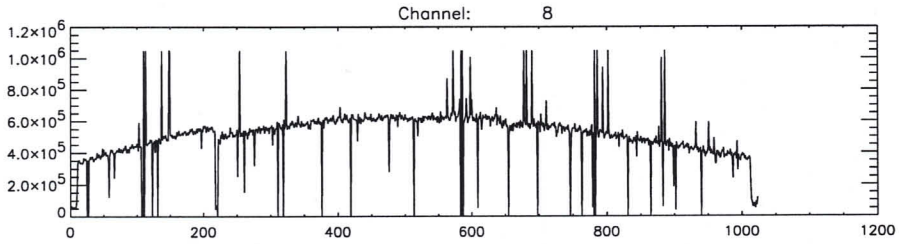
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
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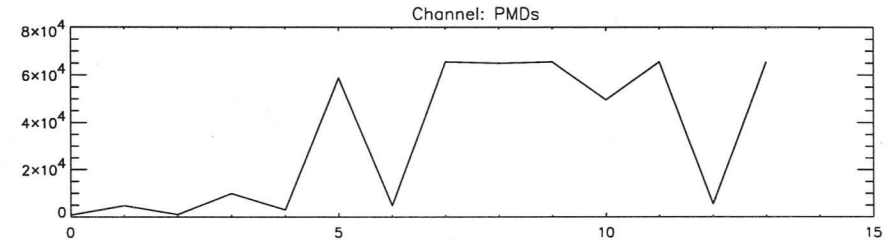
400
600
800
1000
1200


Channel: PMDs
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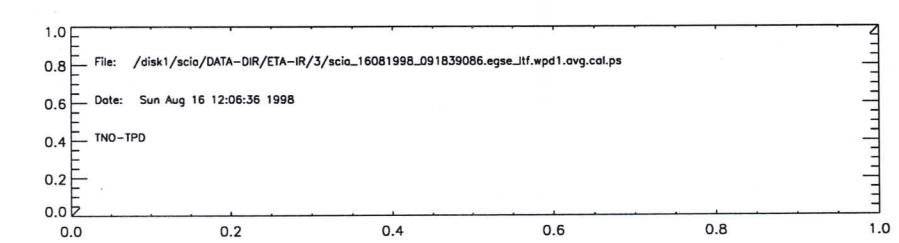
6×10^4
4×10^4
2×10^4
0
0
5
10
15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Date: Sun Aug 16 12:06:36 1998
TNO-TPD
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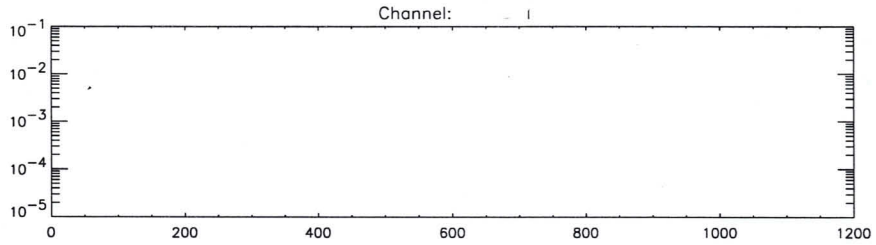
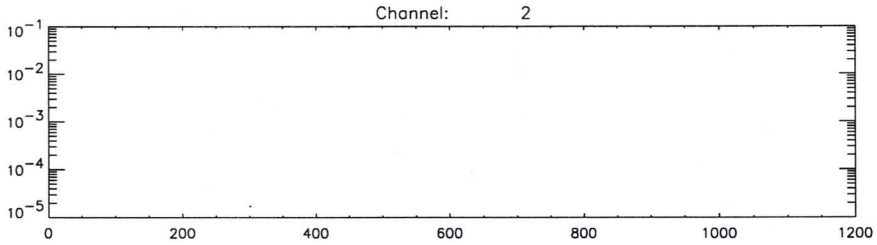
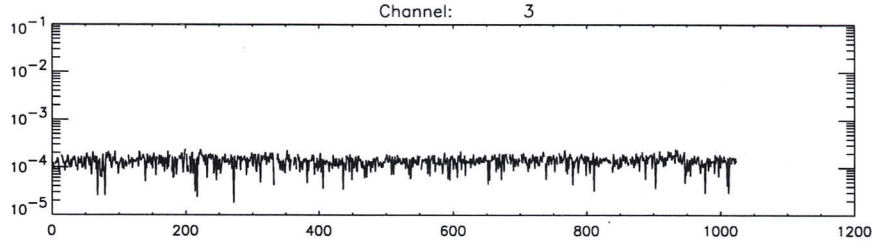
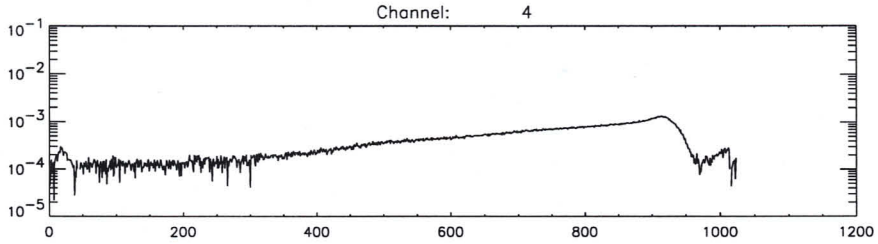
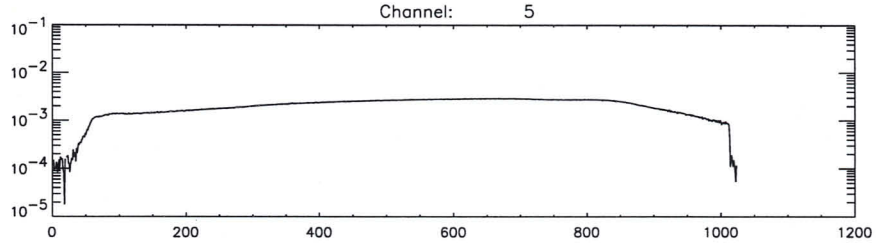
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

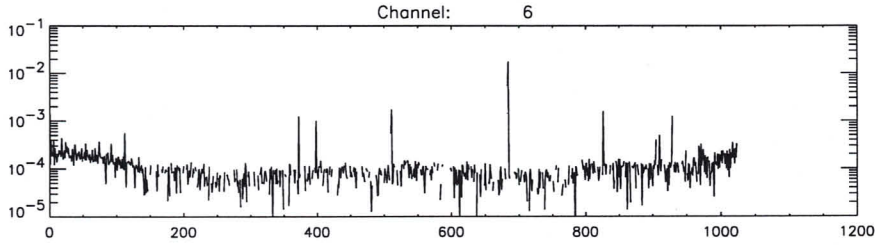

Channel: 1

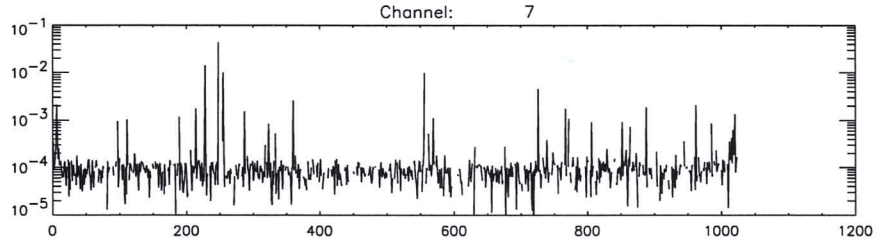

Channel: 2


Channel: 3


Channel: 4


Channel: 5


Channel: 6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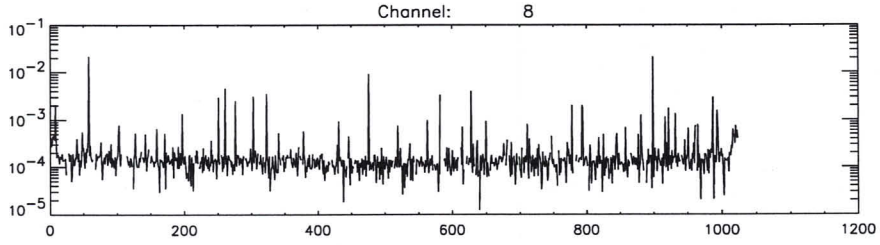
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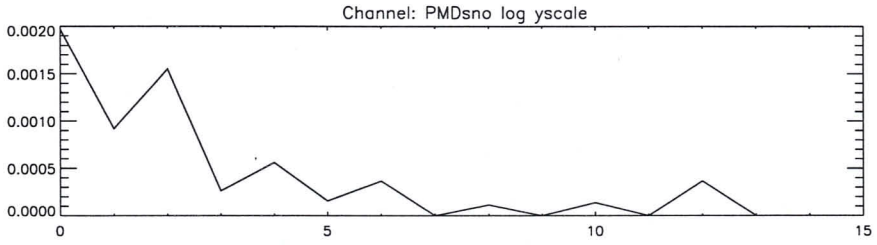
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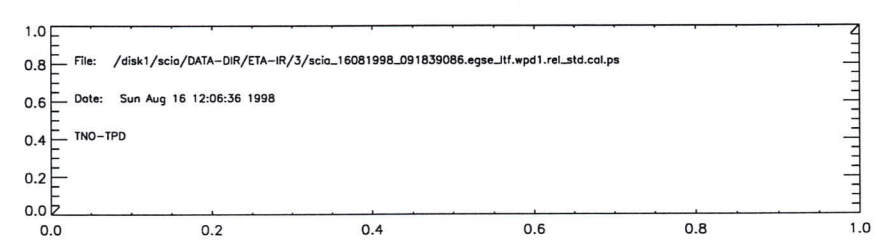
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Date: Sun Aug 16 12:06:36 1998
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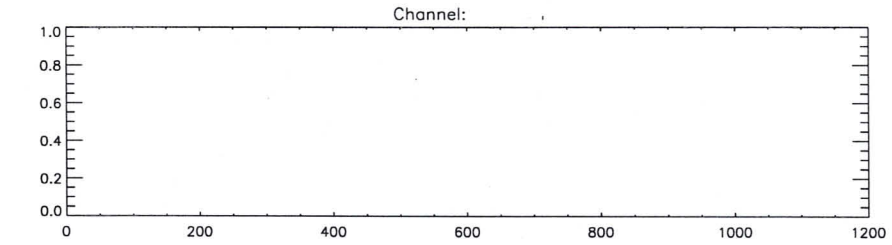
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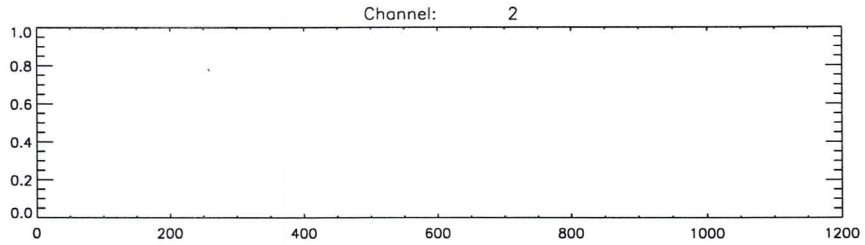
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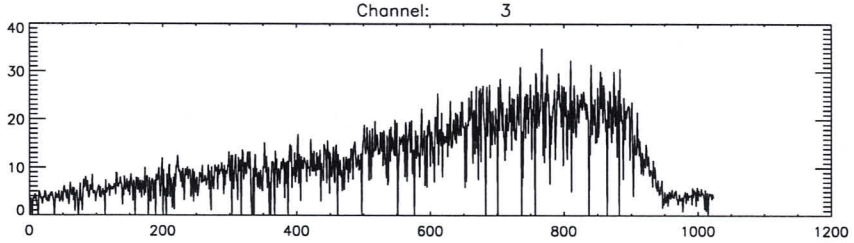
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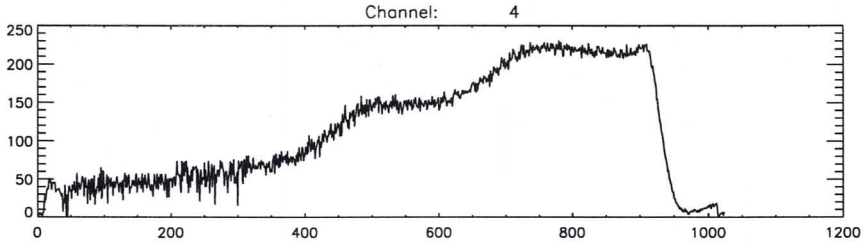
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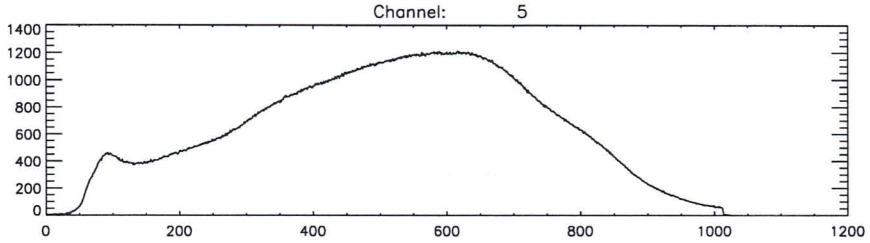
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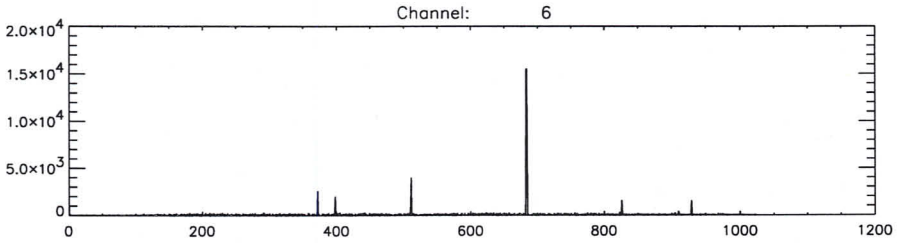
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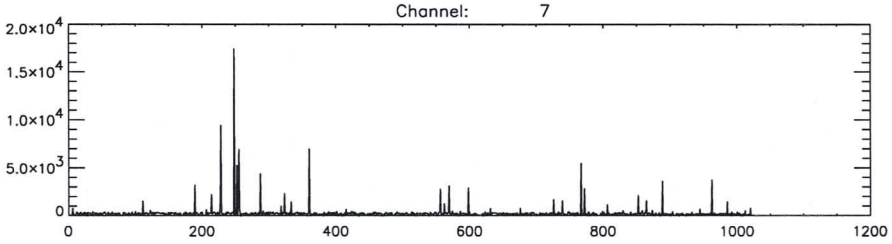
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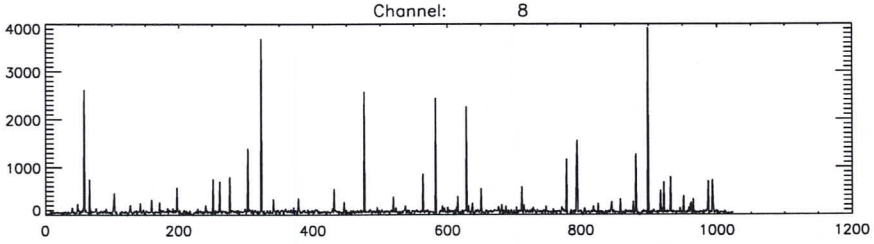
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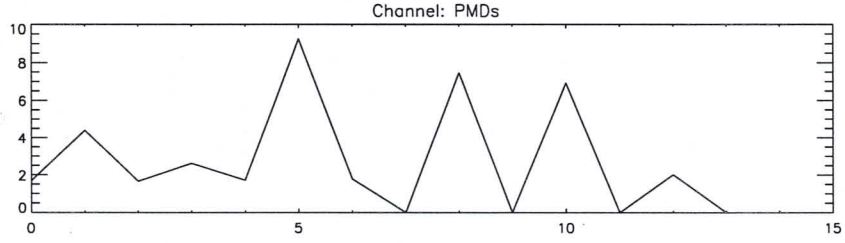
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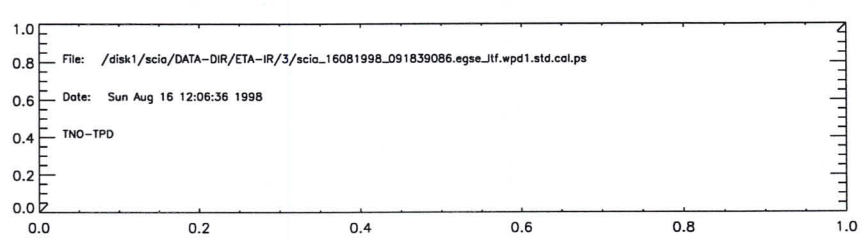
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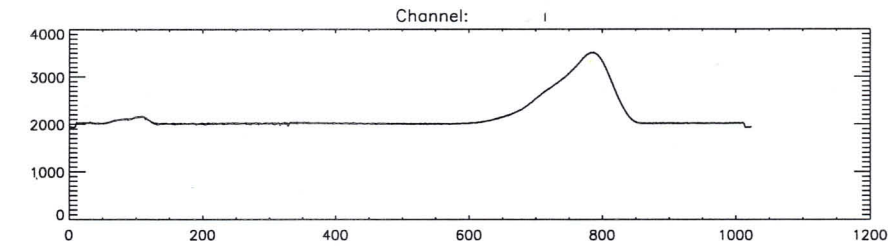
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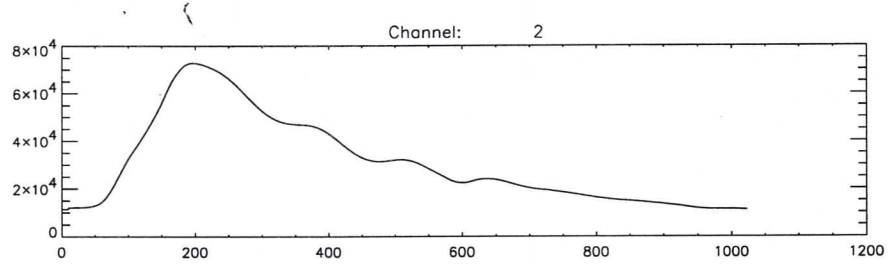
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4×10^4
2×10^4
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1000
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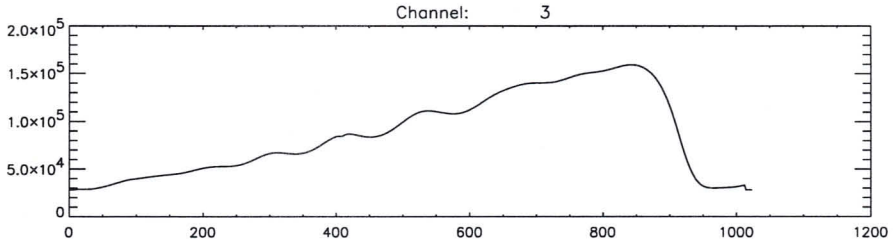
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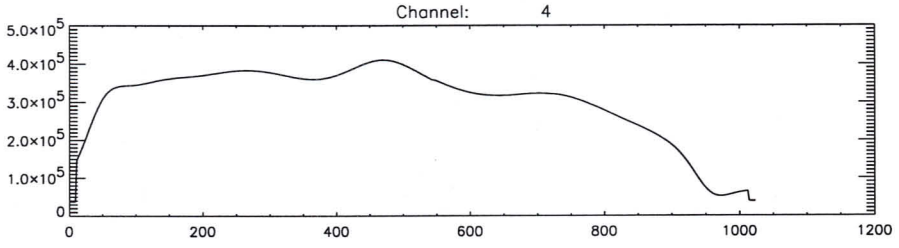
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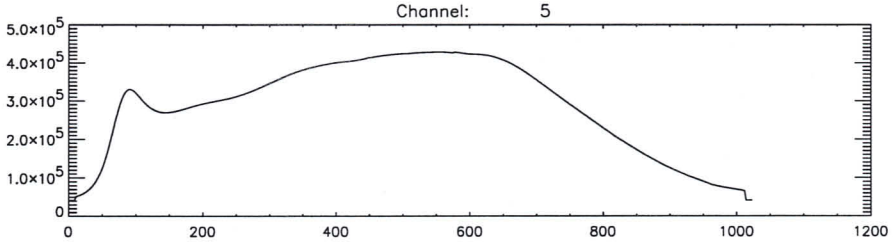
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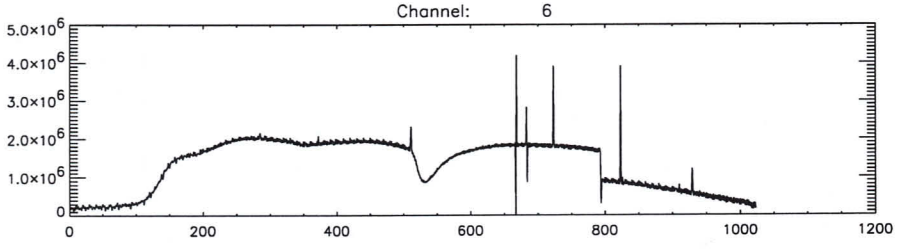
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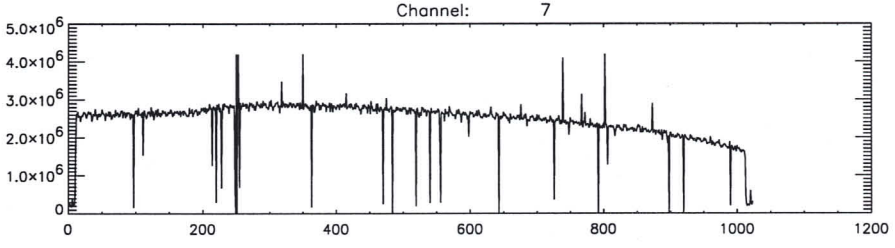
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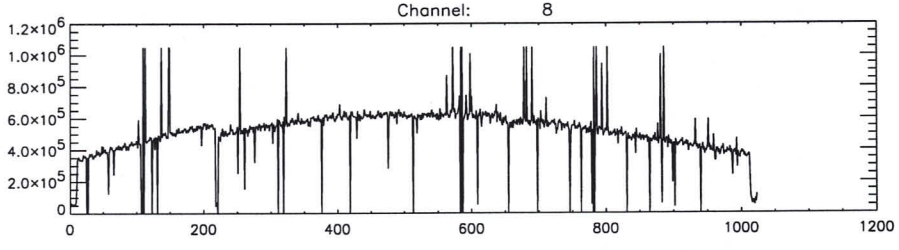
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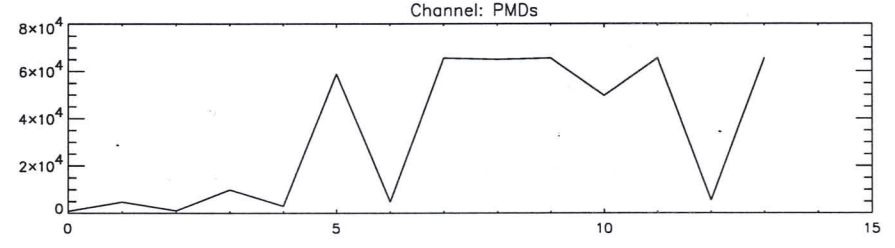
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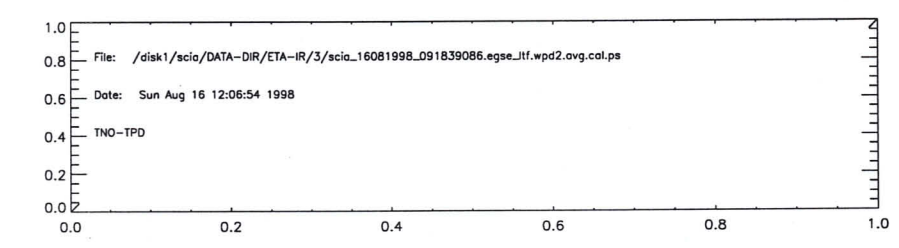
10
15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Date: Sun Aug 16 12:06:54 1998
TNO-TPD
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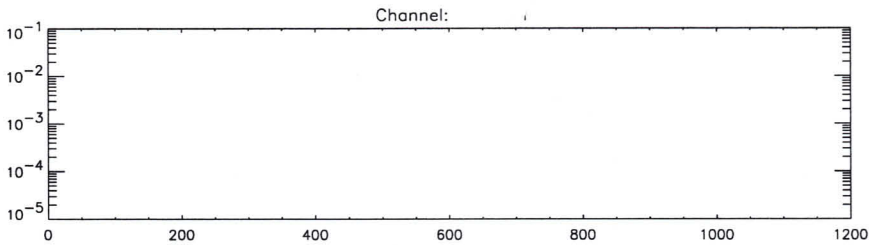
1.0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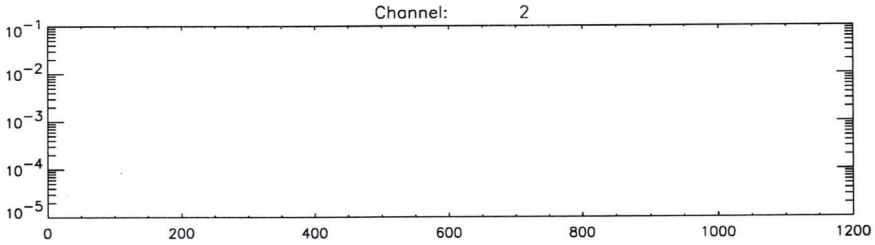
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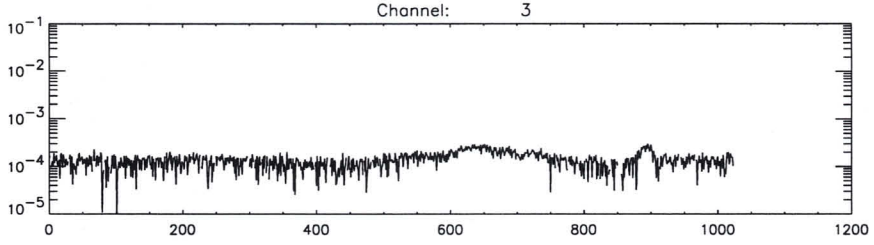
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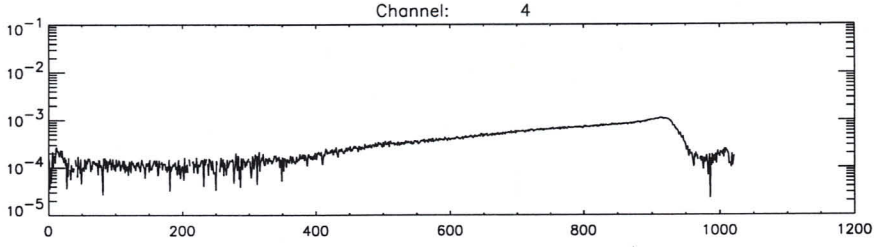
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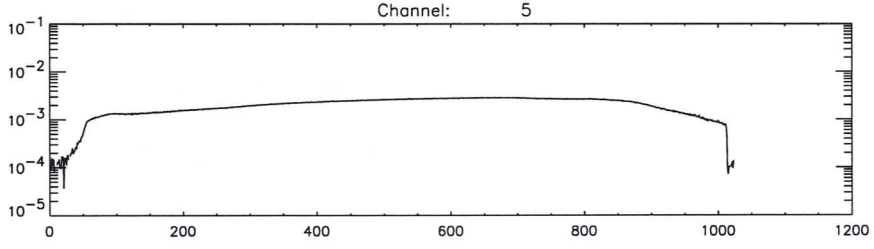
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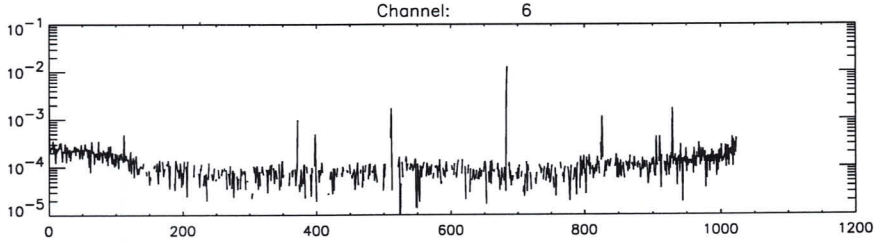
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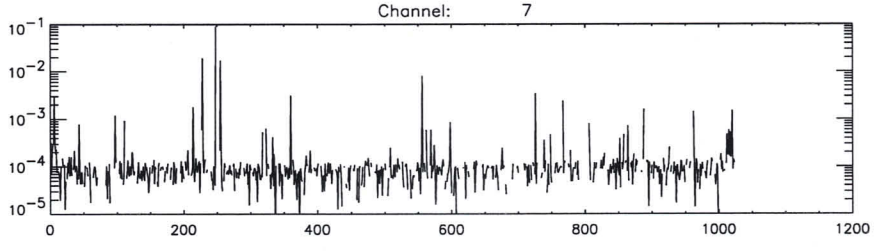
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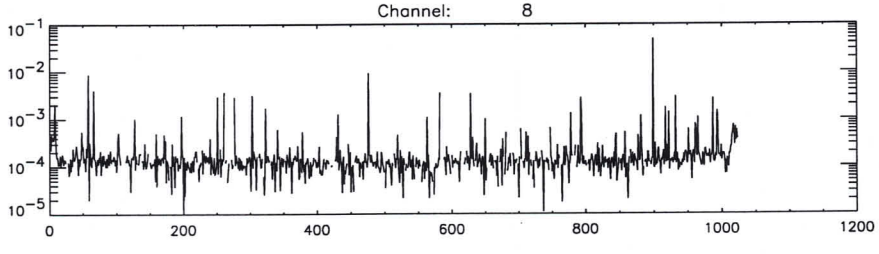
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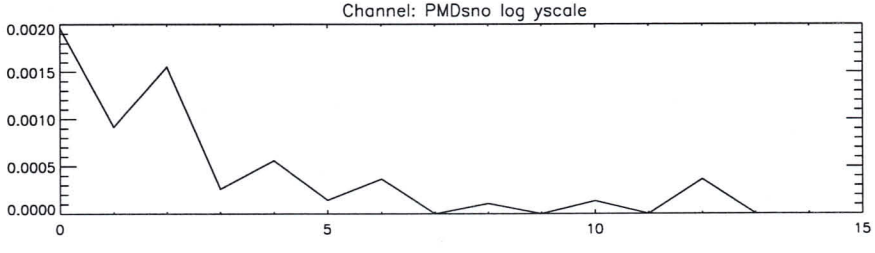
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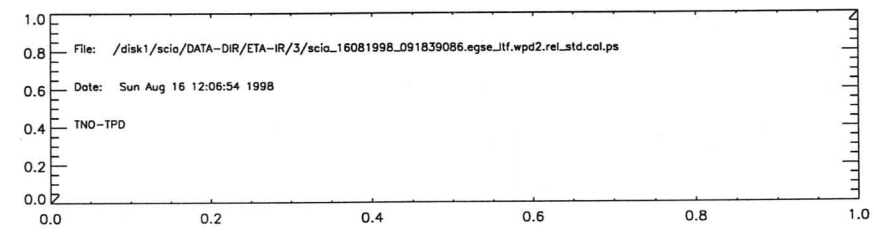
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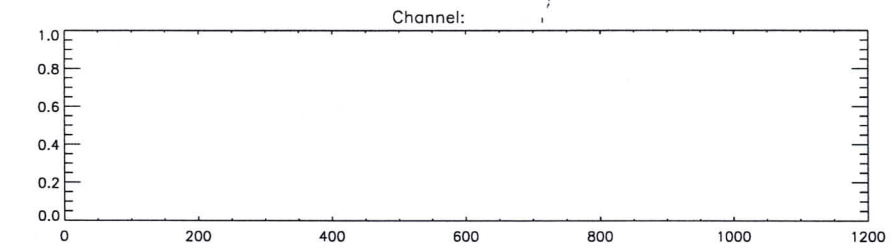
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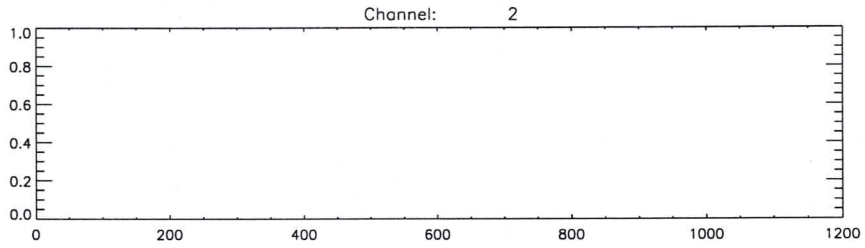
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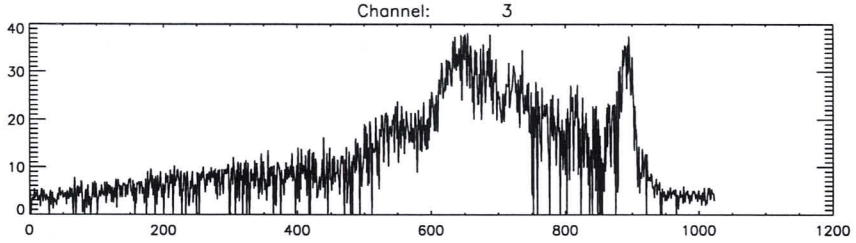
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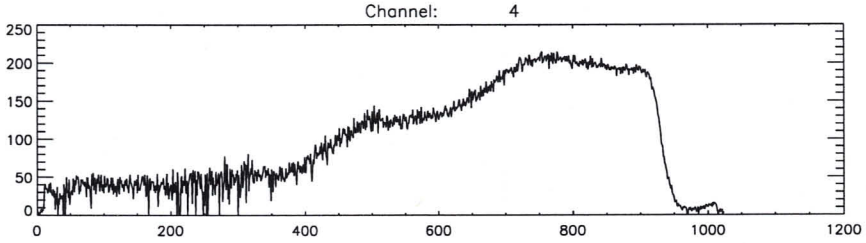
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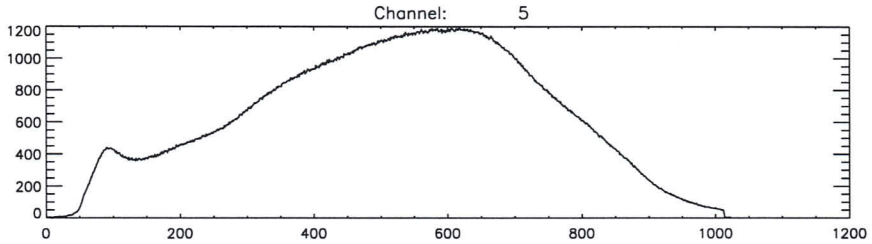
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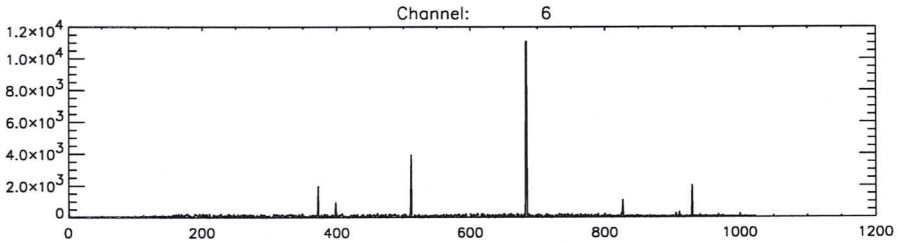
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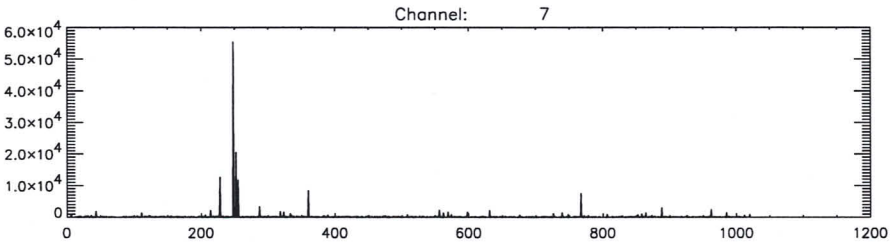
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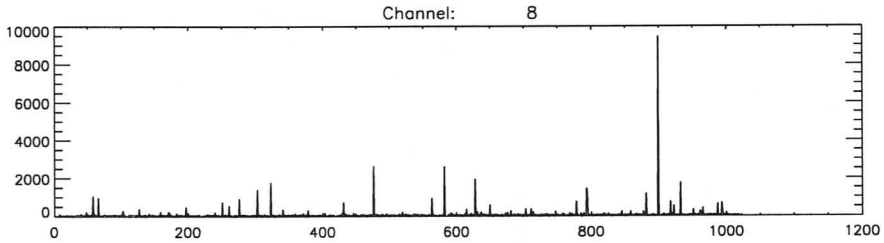
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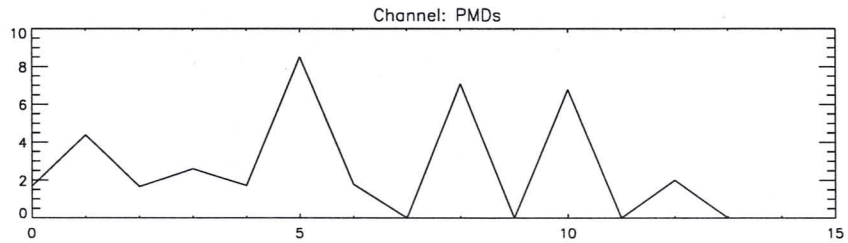
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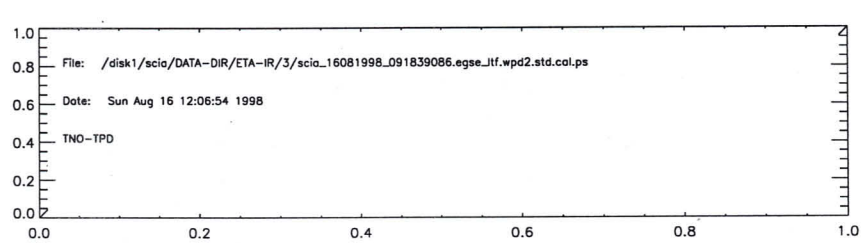
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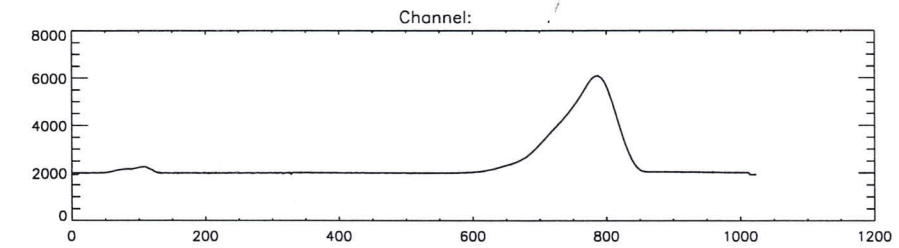
TNO-TPD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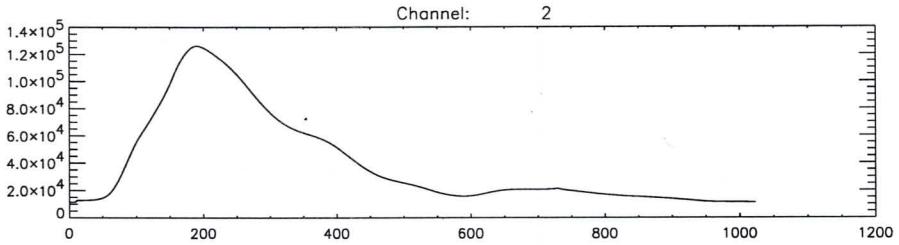
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1.0x10^5
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6.0x10^4
4.0x10^4
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0
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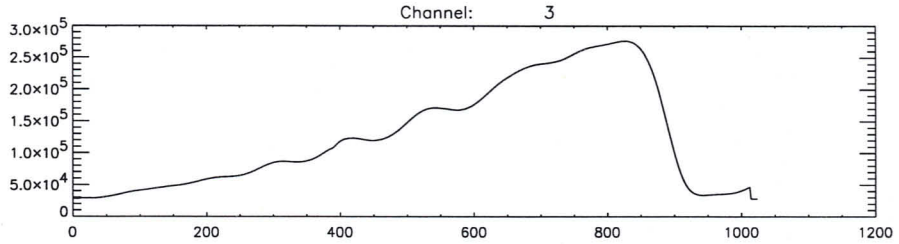
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2.0x10^5
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1.0x10^5
5.0x10^4
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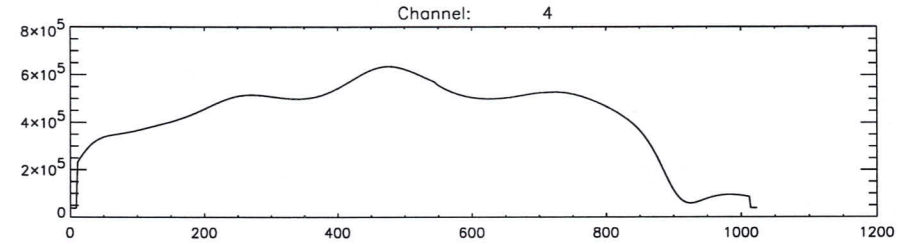
1000
1200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4x10^5
2x10^5
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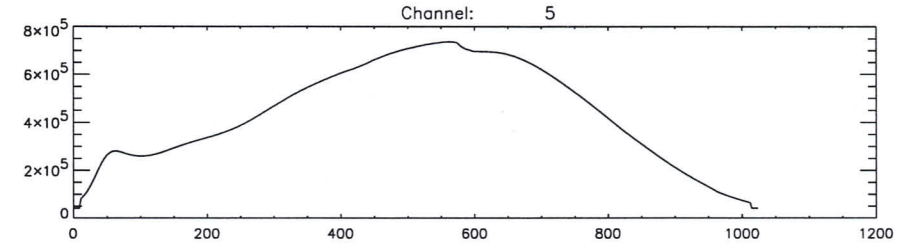
800
1000
1200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2x10^5
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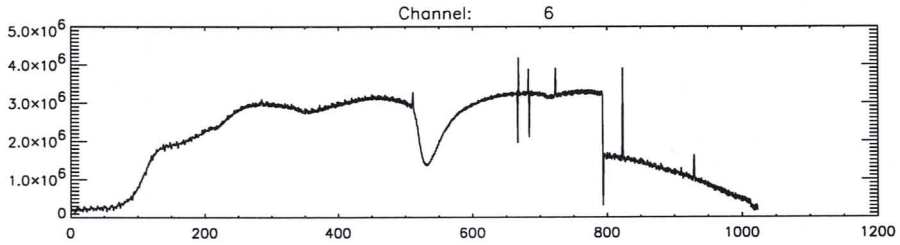
600
800
1000
1200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2.0x10^6
1.0x10^6
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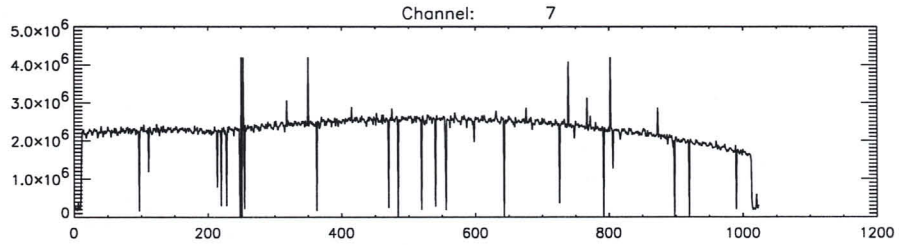
800
1000
1200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4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
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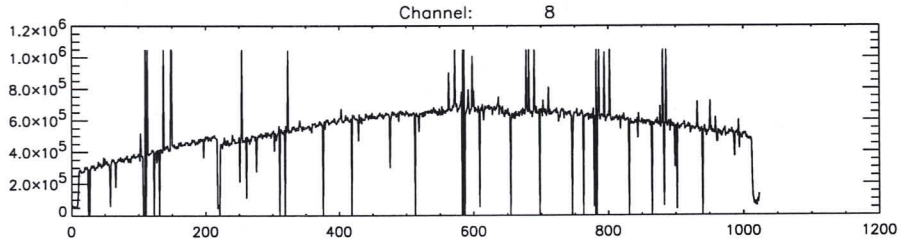
400
600
800
1000
1200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1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
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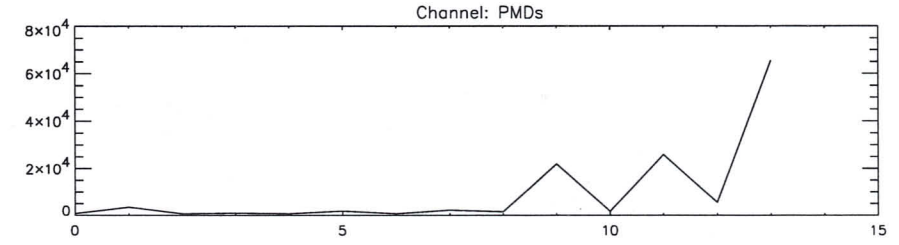
400
600
800
1000
1200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2x10^4
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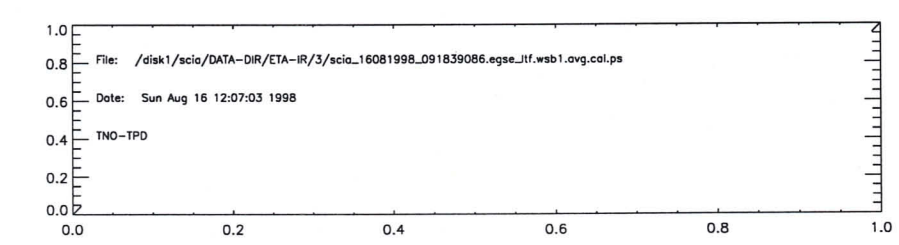
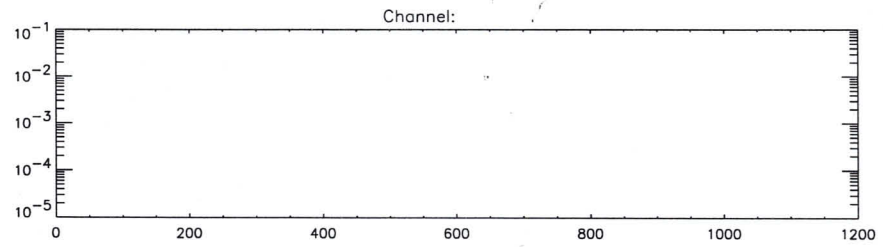
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wsb1.avg.cal.ps
Date: Sun Aug 16 12:07:03 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0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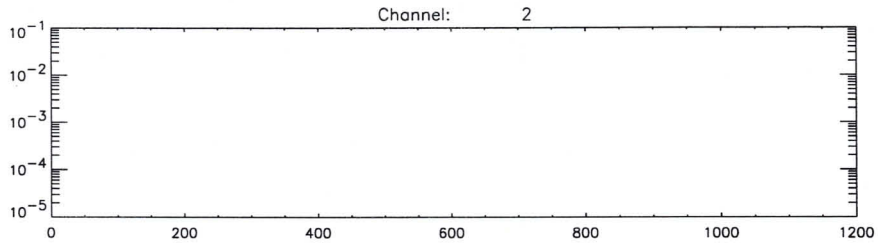
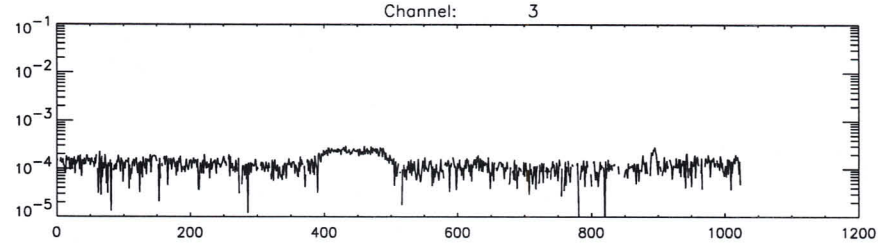
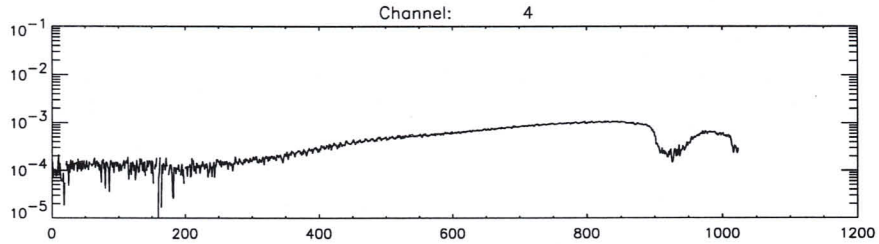

Channel: 2


Channel: 3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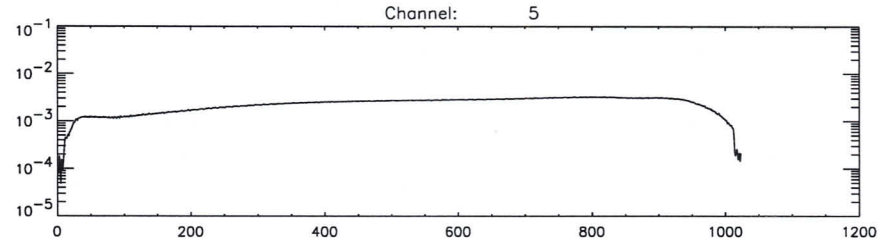
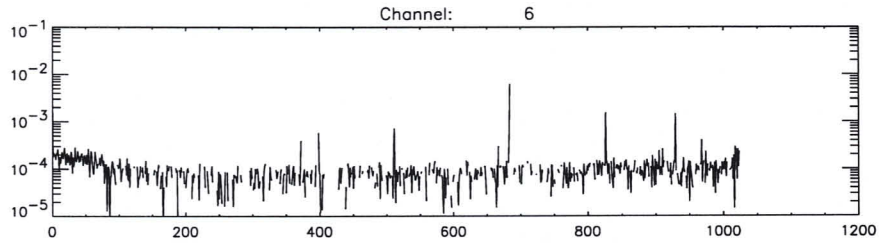
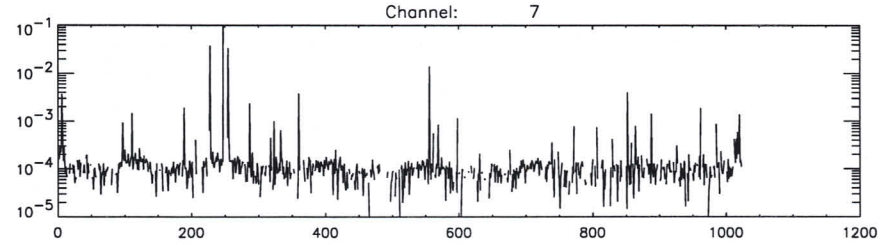
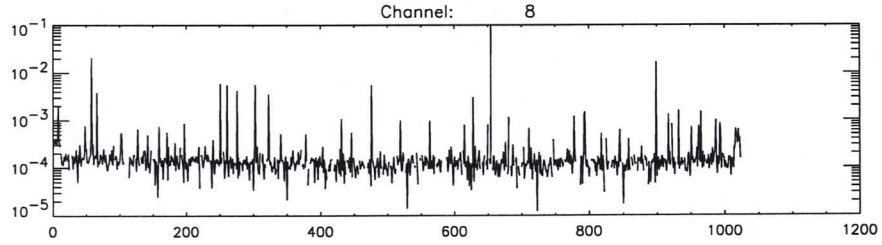
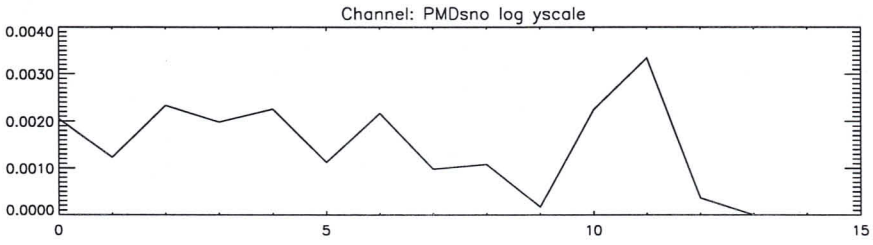
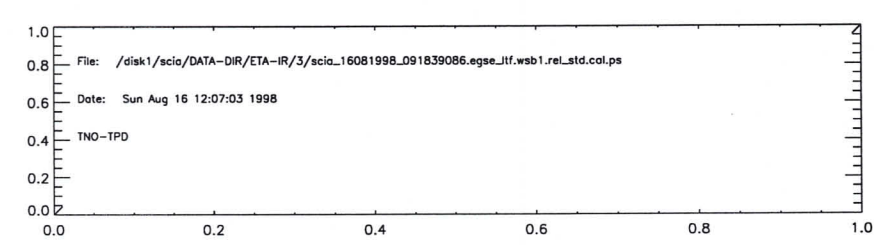

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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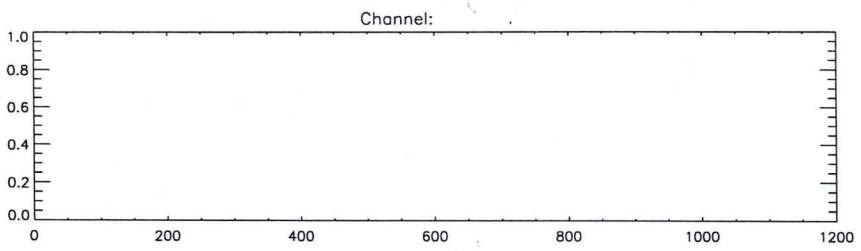
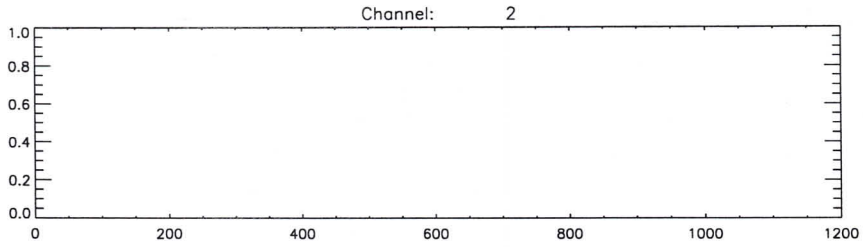
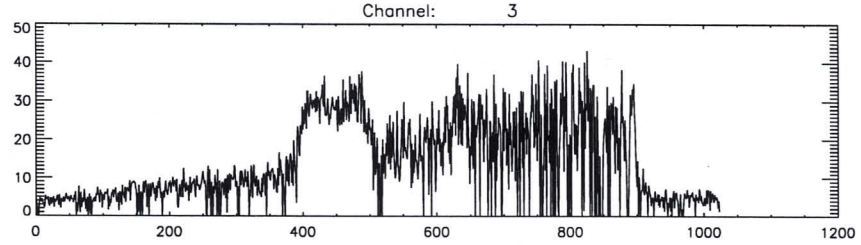
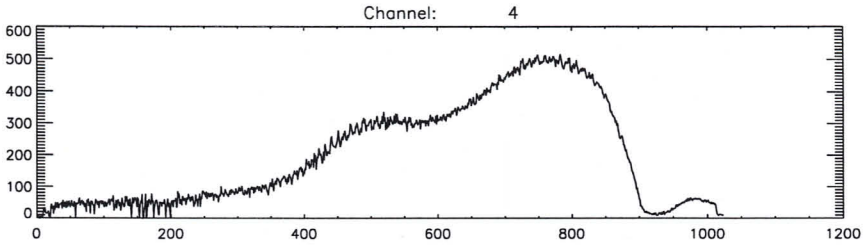
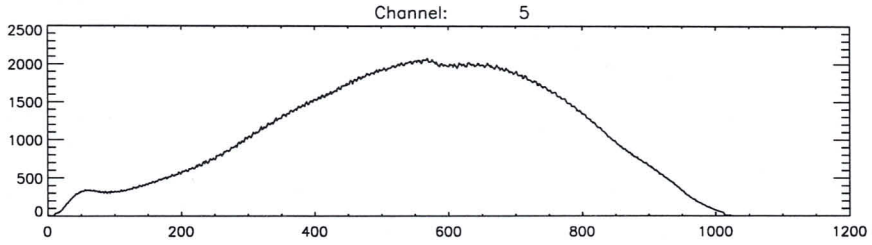
Date: Sun Aug 16 12:07:03 1998
TNO-TPD

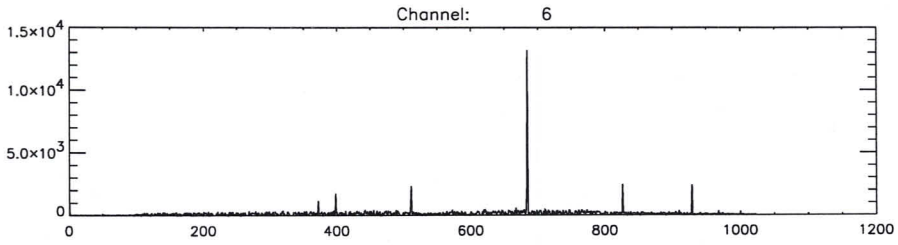

Channel:

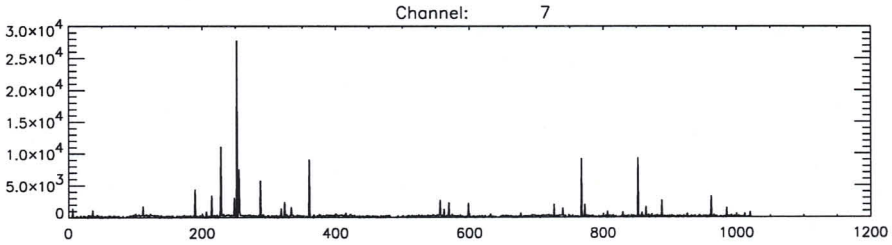

Channel: 2

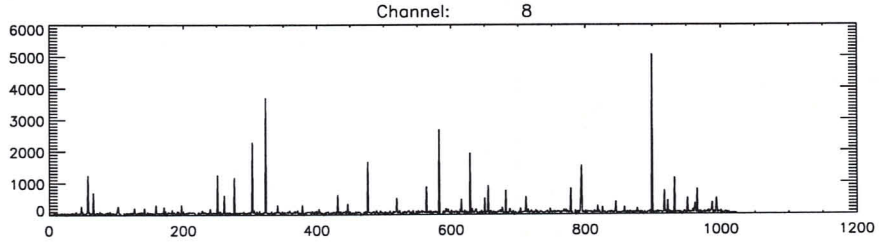

Channel: 3

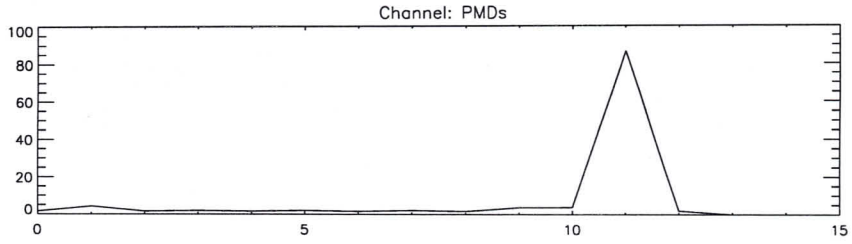

Channel: 4

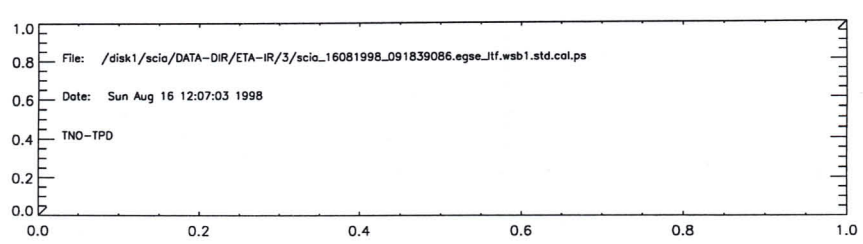

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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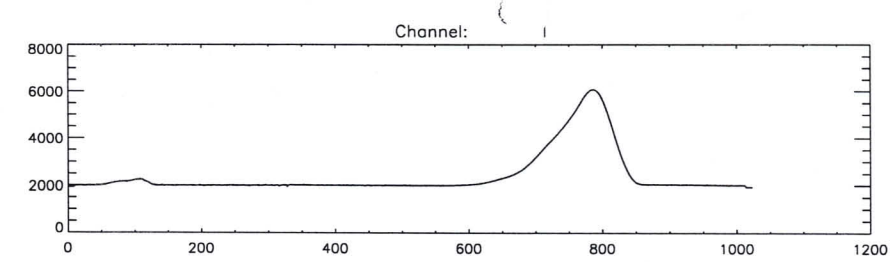
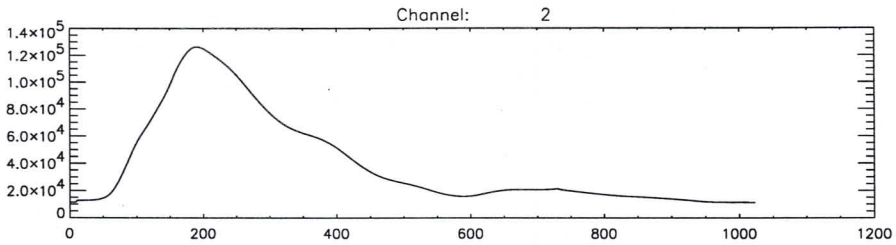
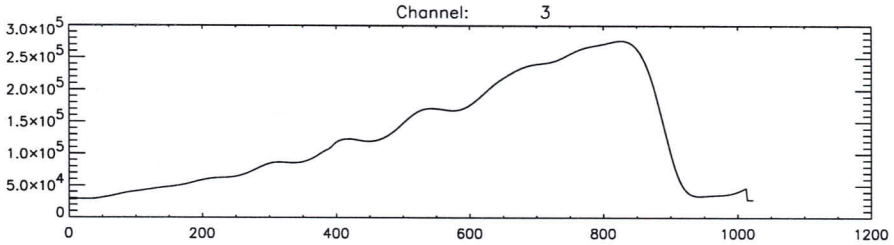
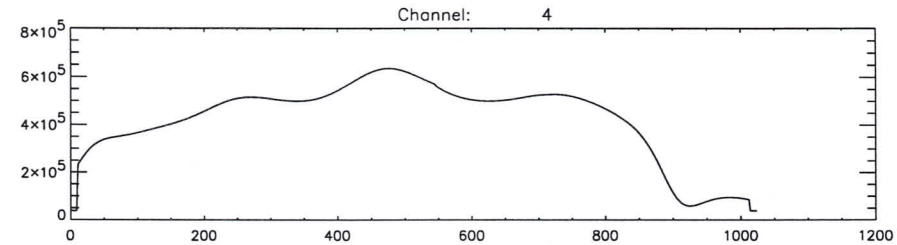
Date: Sun Aug 16 12:07:03 1998
TNO-TPD


Channel: 1
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 2
1.4×10^5
1.2×10^5
1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 4
8×10^5
6×10^5
4×10^5
2×10^5
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0
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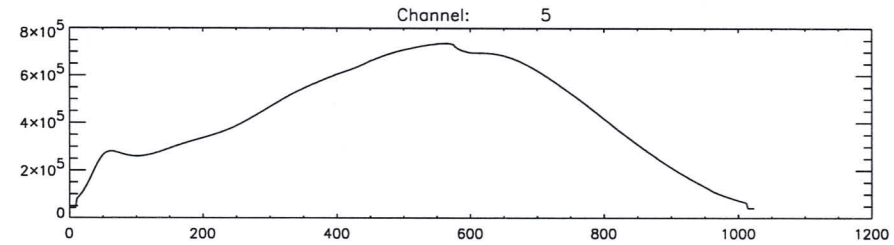
400
600
800
1000
1200


Channel: 5
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6×10^5
4×10^5
2×10^5
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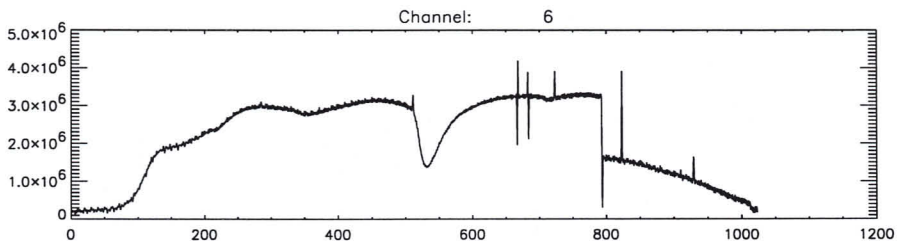
400
600
800
1000
1200


Channel: 6
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3.0×10^6
2.0×10^6
1.0×10^6
0
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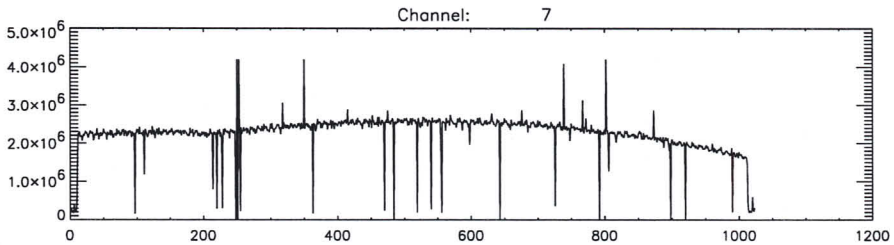
600
800
1000
1200


Channel: 7
5.0×10^6
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2.0×10^6
1.0×10^6
0
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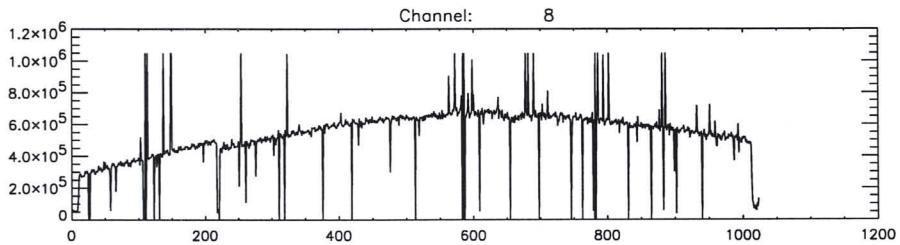
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
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400
600
800
1000
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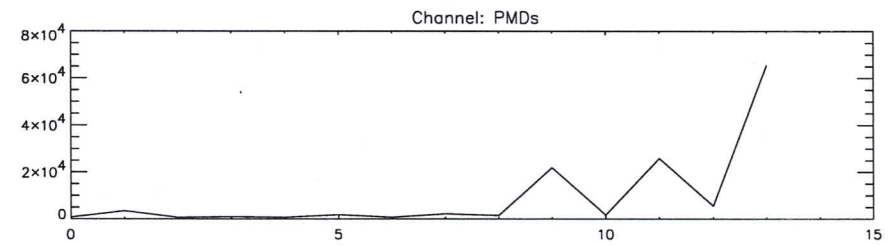
Channel: PMDs
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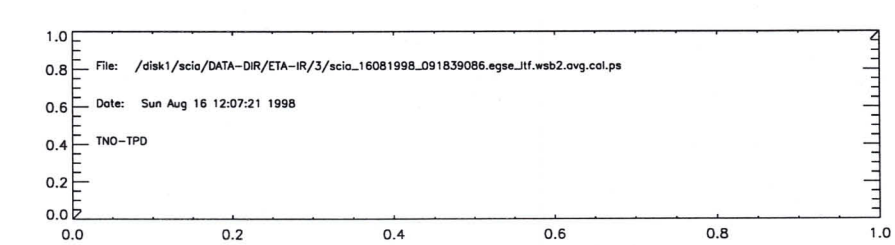
6×10^4
4×10^4
2×10^4
0
0
5
10
15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Date: Sun Aug 16 12:07:21 1998
TNO-TPD
1.0
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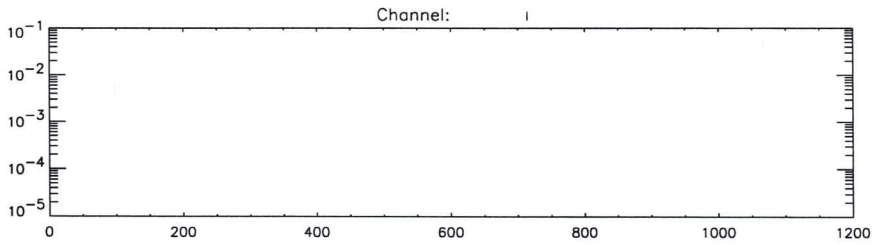
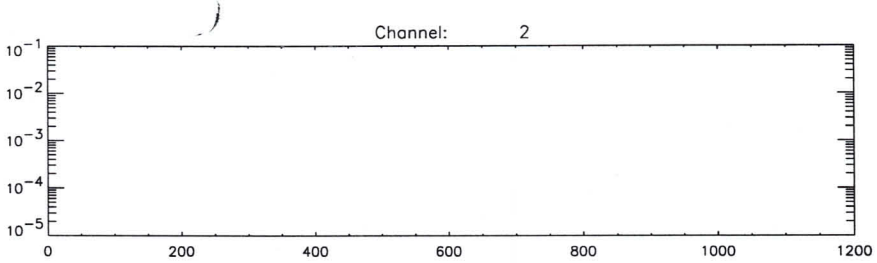
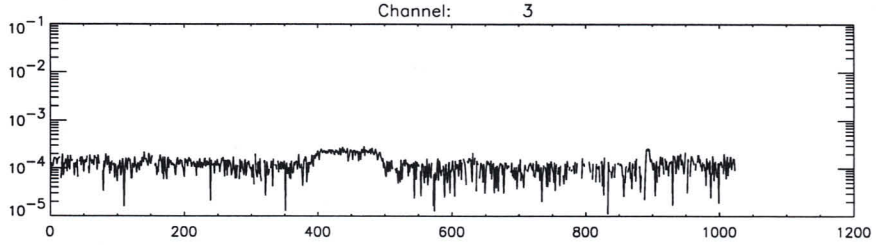
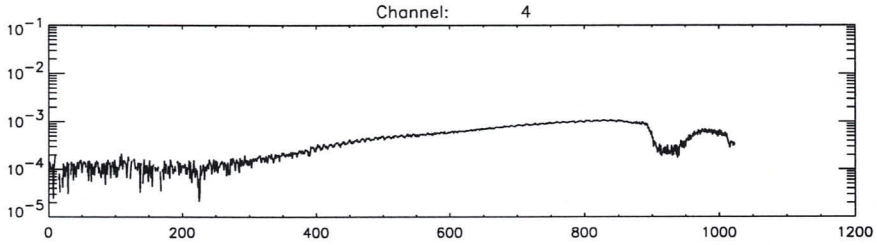
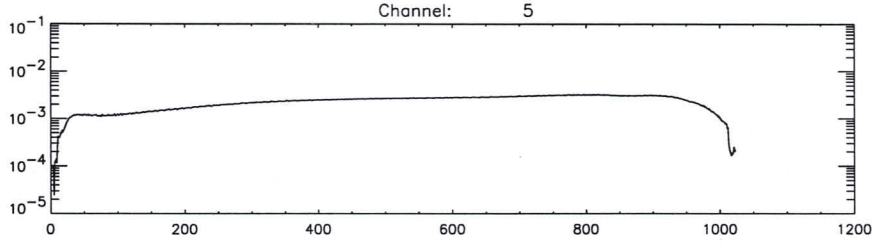
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

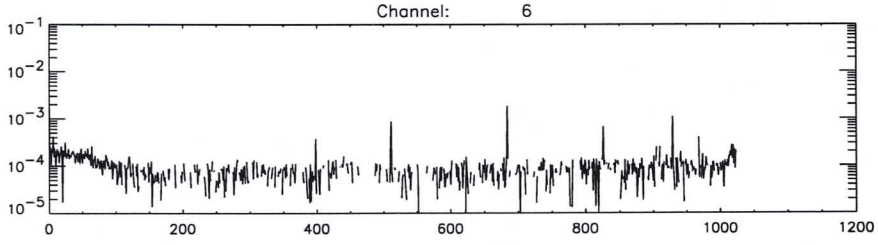

Channel: 1

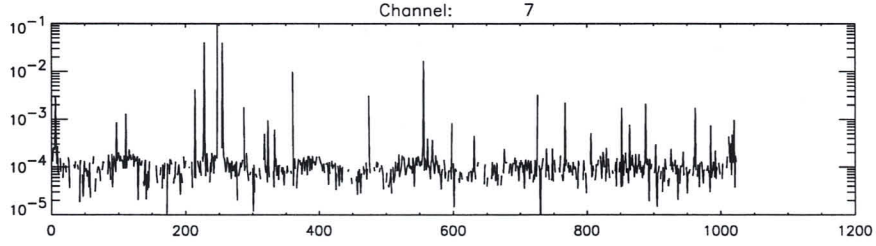

Channel: 2

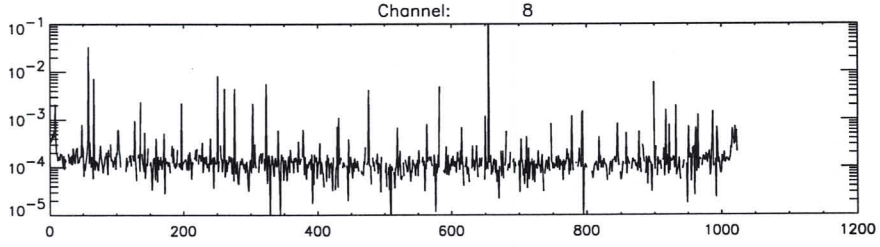

Channel: 3

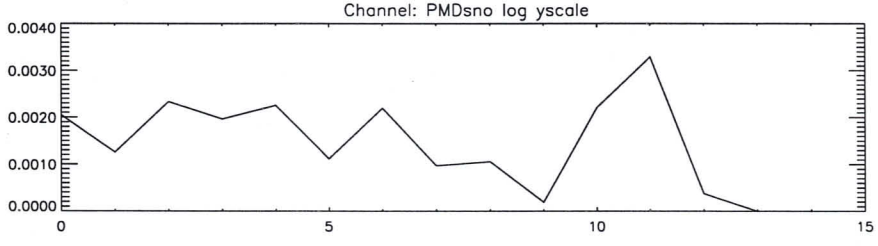

Channel: 4

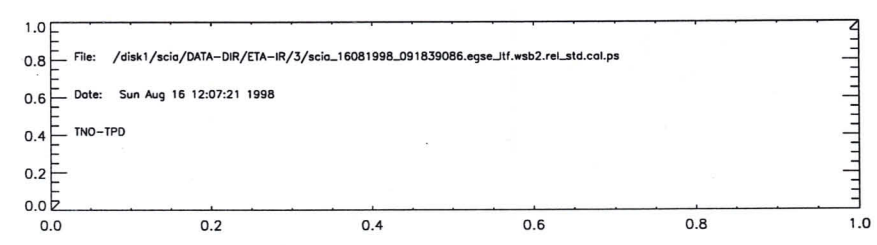

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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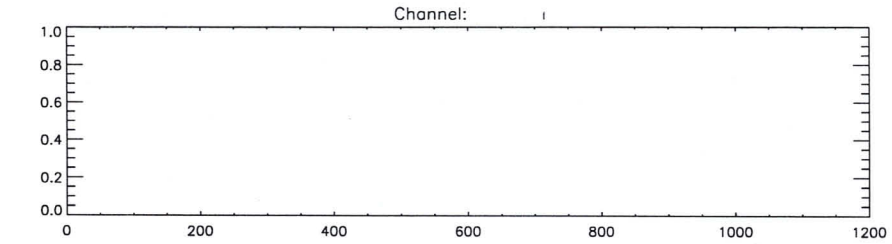
Date: Sun Aug 16 12:07:21 1998
TNO-TPD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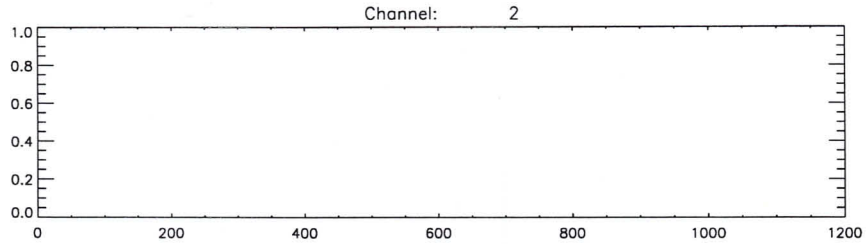
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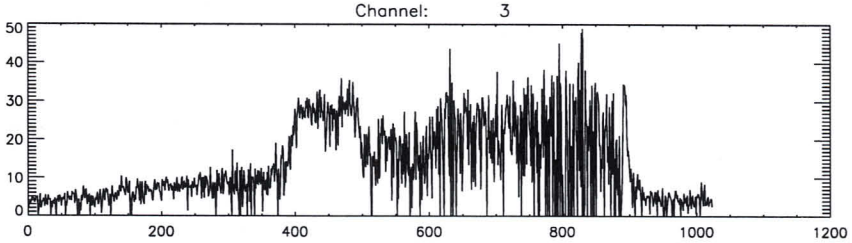
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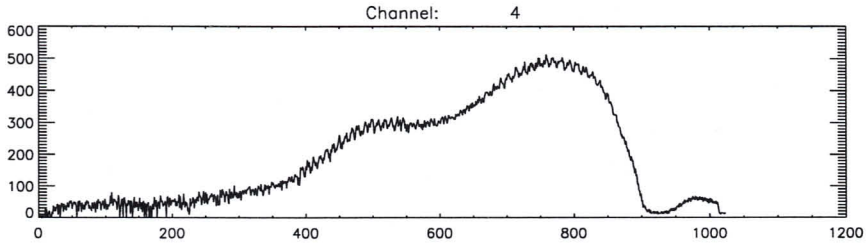
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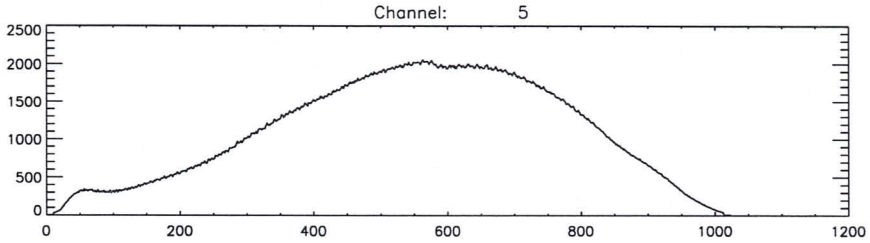
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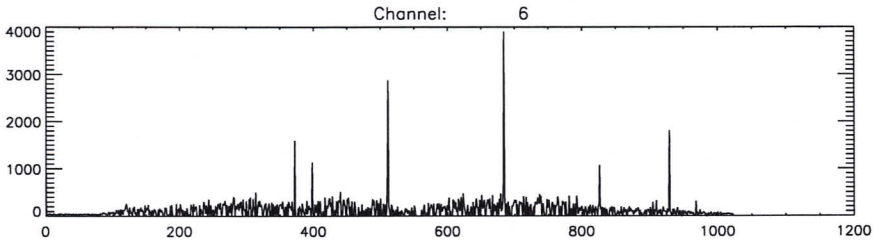
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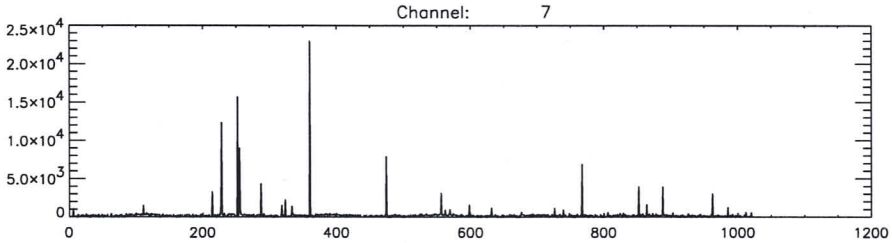
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5.0×10^3
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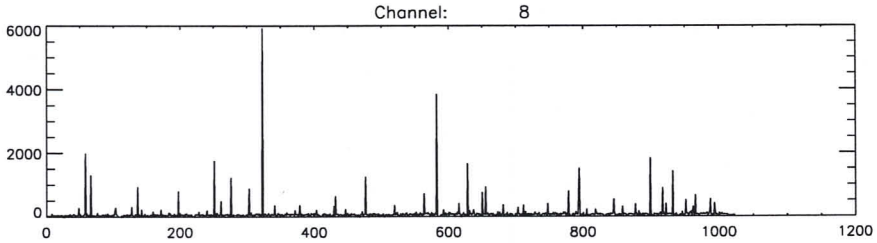
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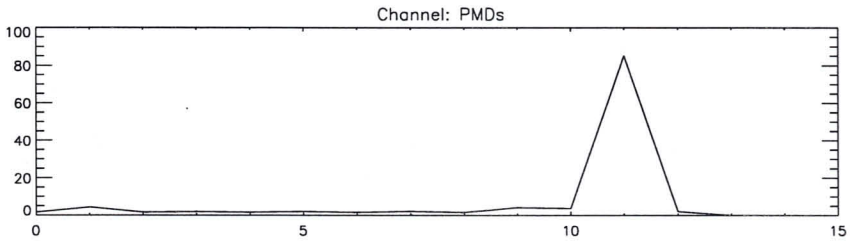
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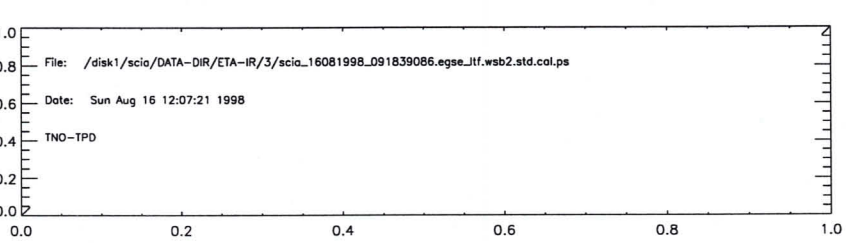
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Date: Sun Aug 16 12:07:21 1998
TNO-TPD
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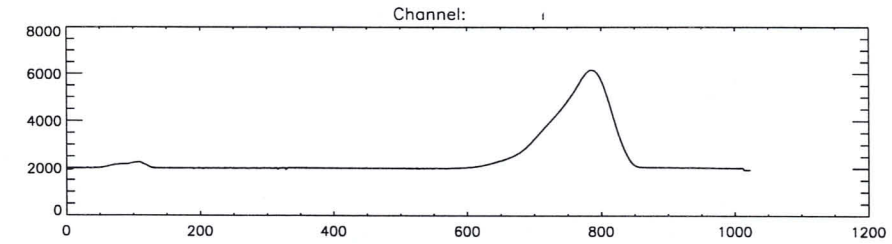
0.8
1.0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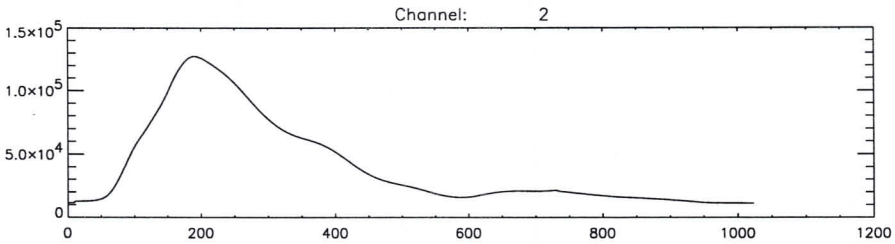
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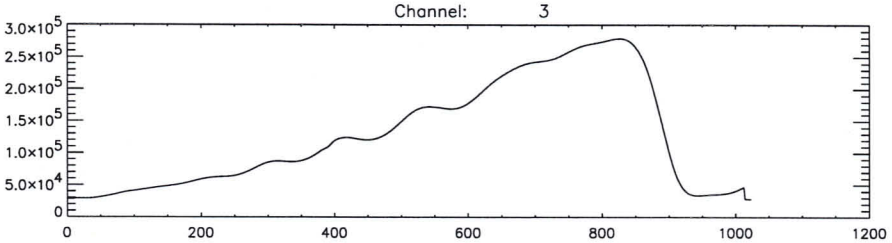
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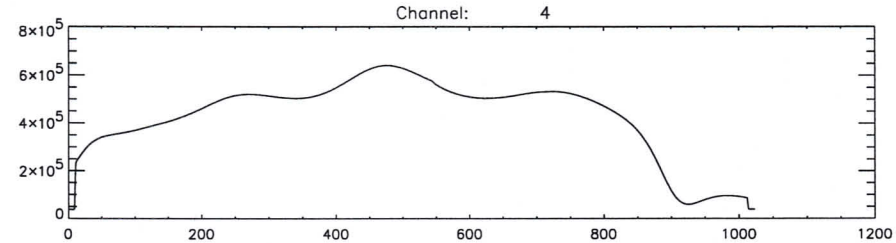
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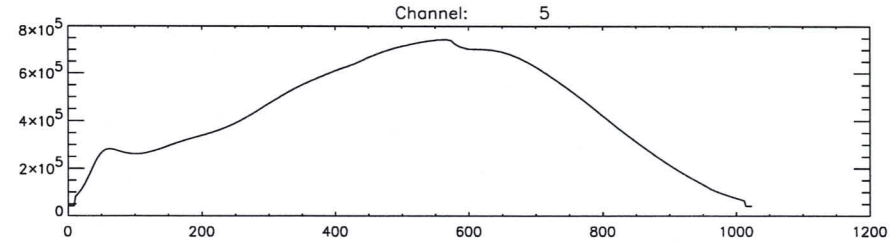
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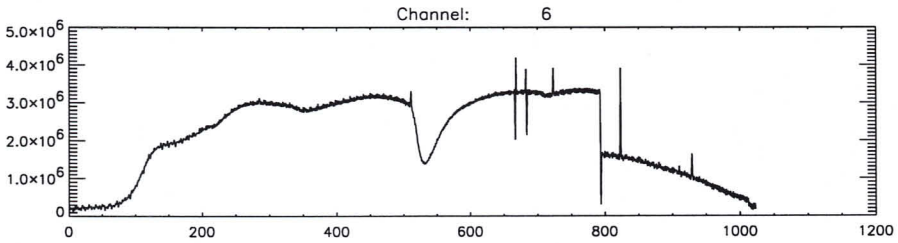
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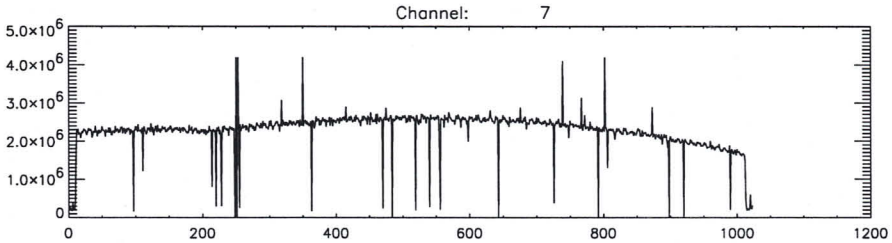
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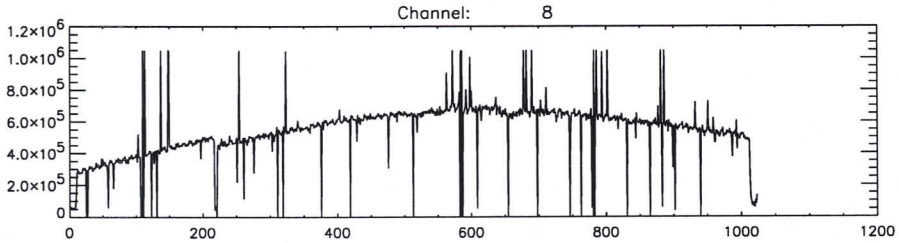
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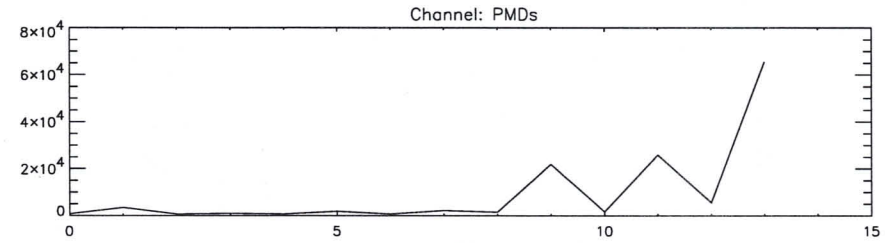
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10
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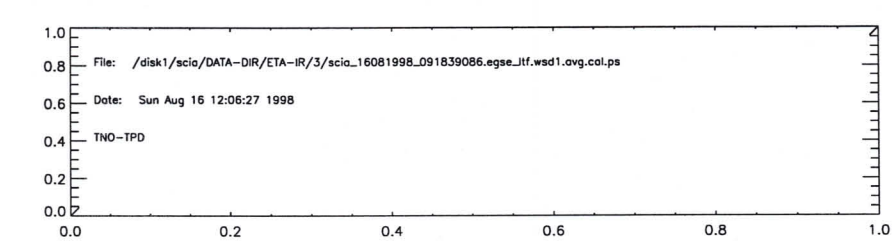
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Date: Sun Aug 16 12:06:27 1998
TNO-TPD
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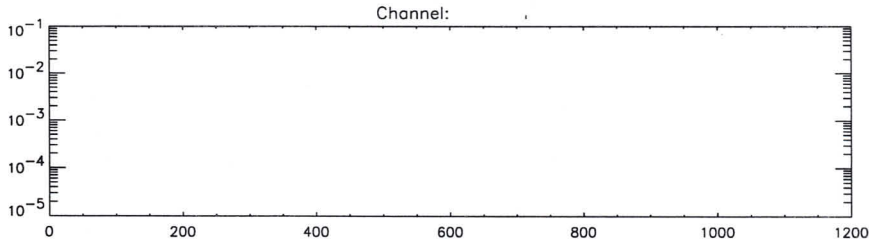
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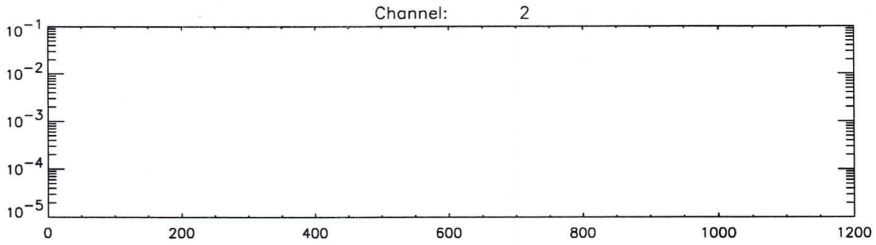
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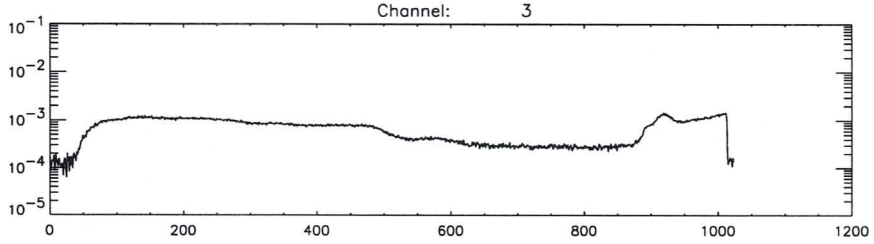
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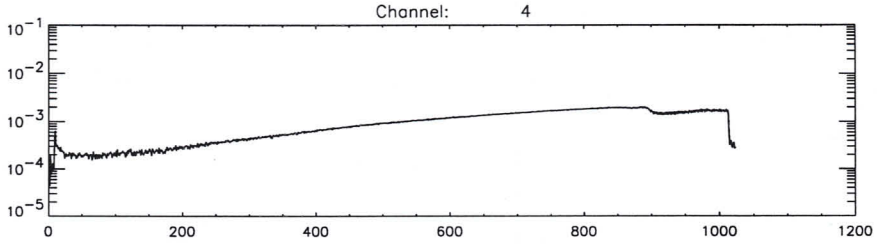
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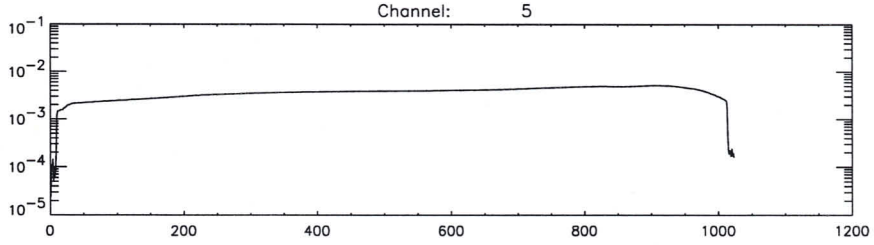
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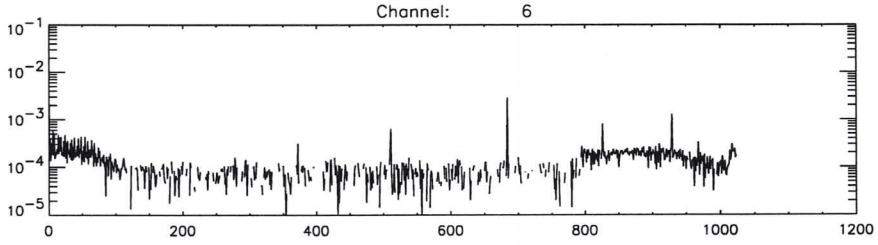
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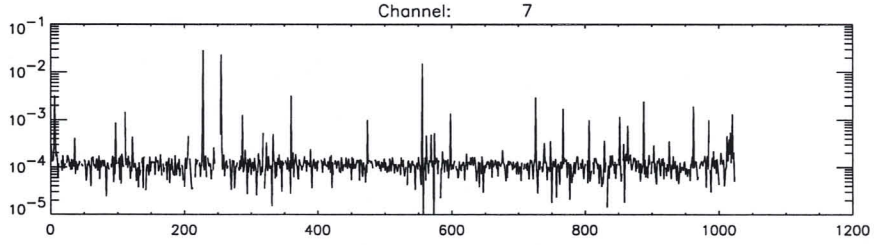
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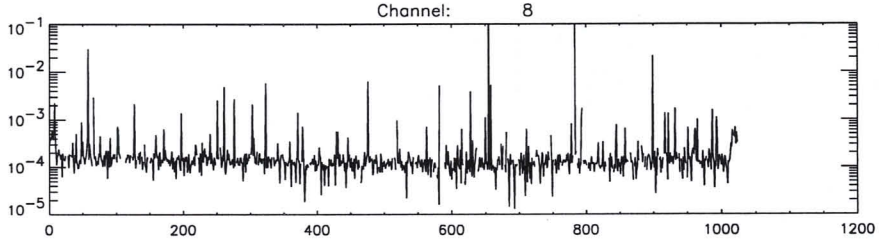
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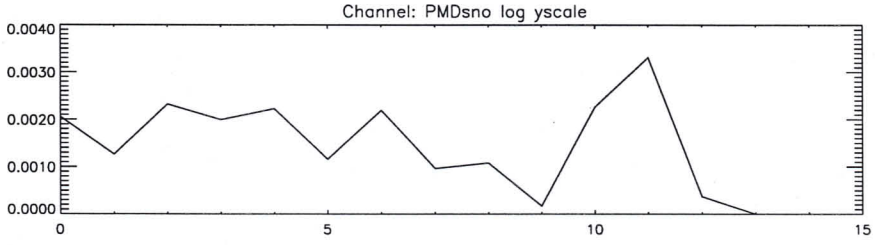
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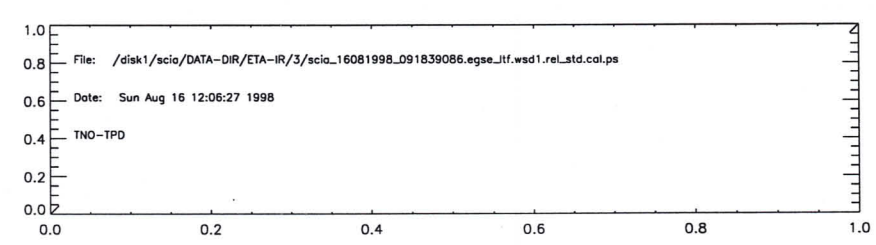
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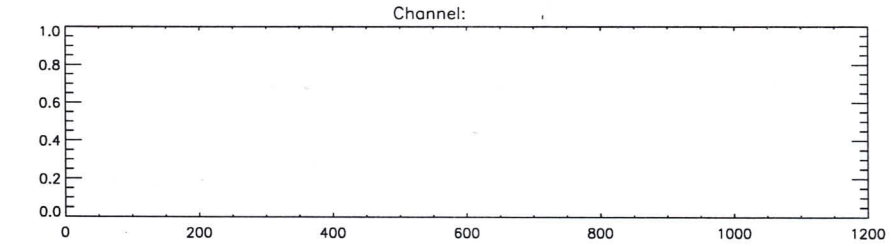
Date: Sun Aug 16 12:06:27 1998
TNO-TPD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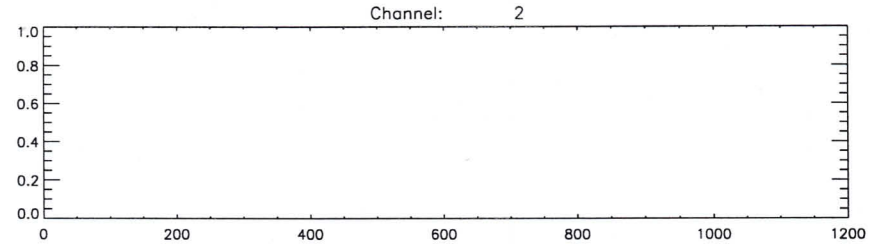
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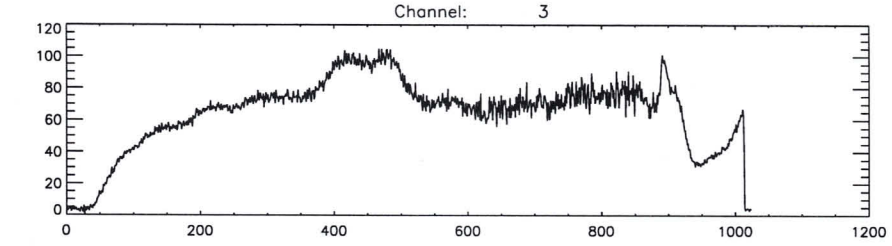
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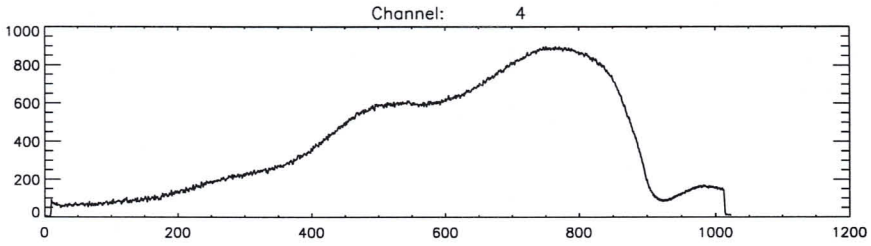
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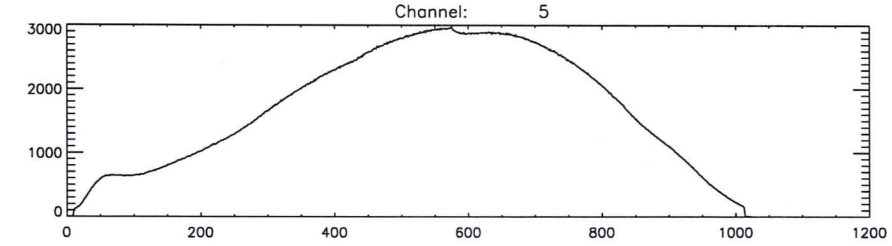
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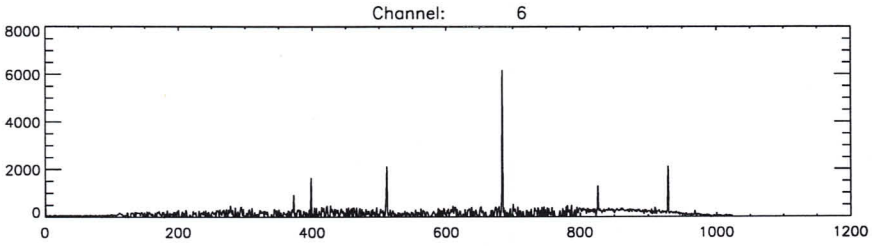
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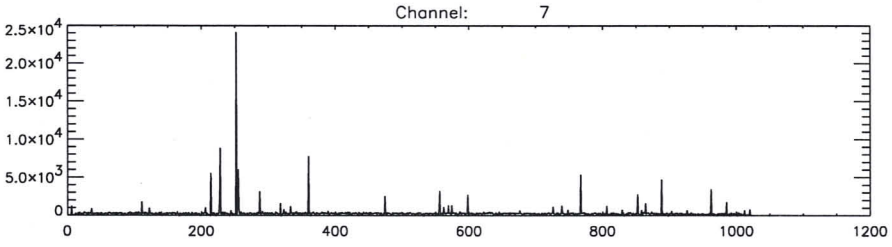
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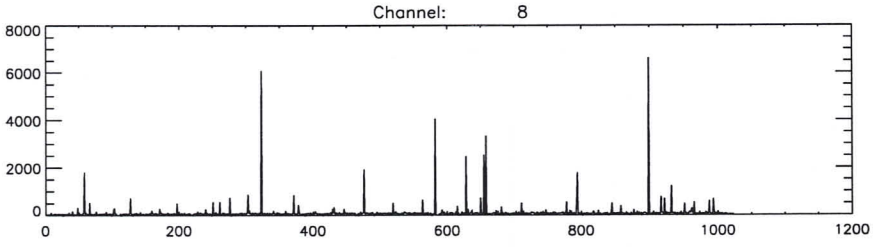
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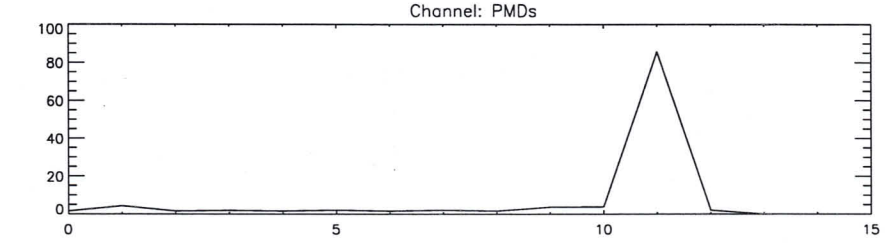
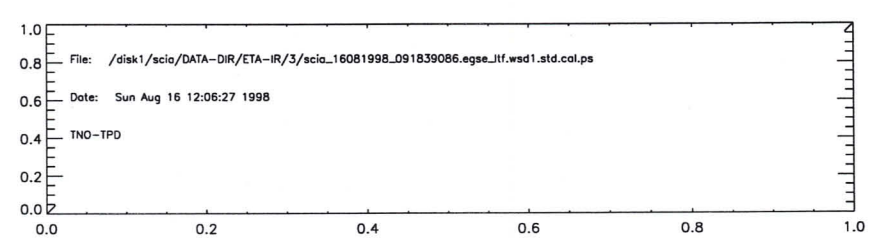
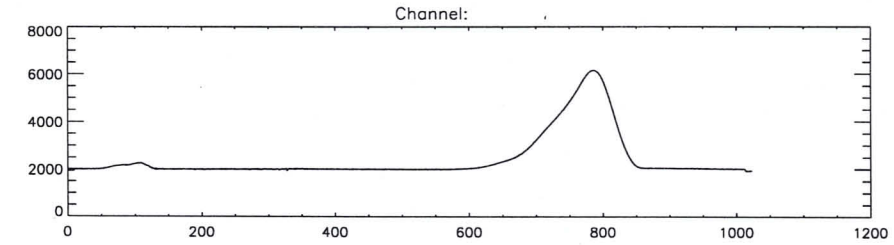

Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wsd1.std.cal.ps
Date: Sun Aug 16 12:06:27 1998
TNO-TPD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1000
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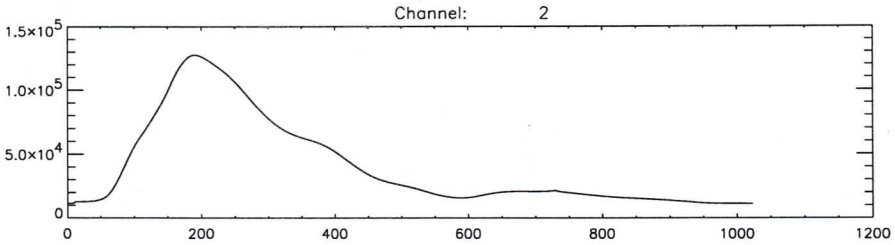
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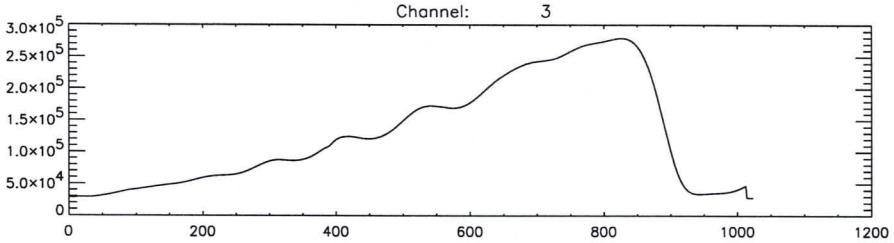
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5.0×10^4
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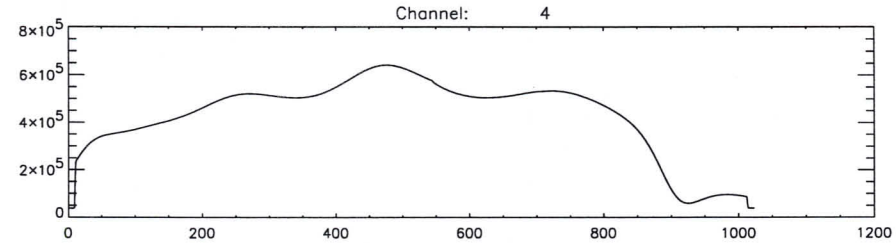
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2×10^5
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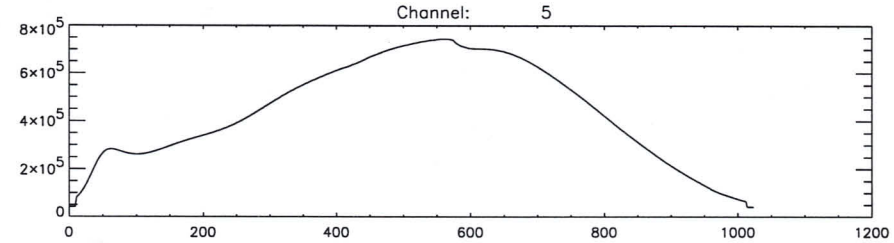
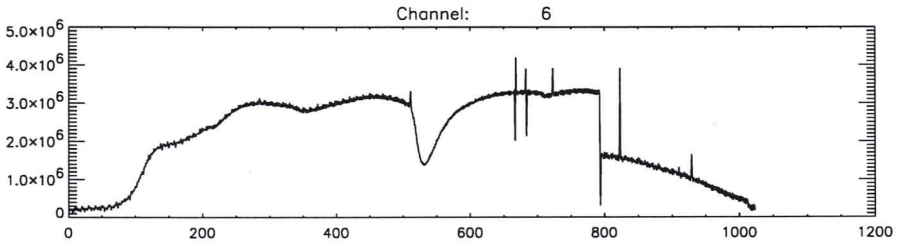
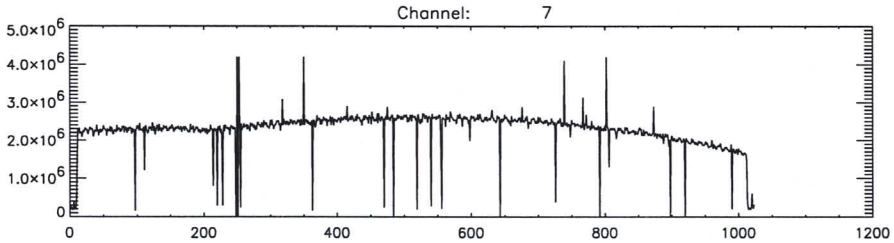
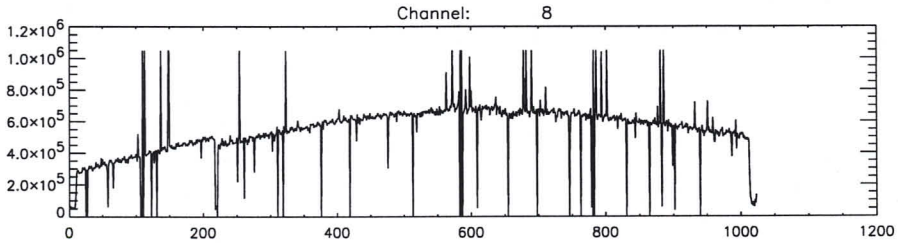
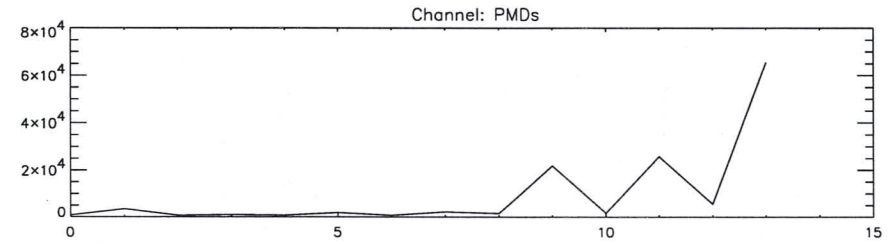
800
1000
1200

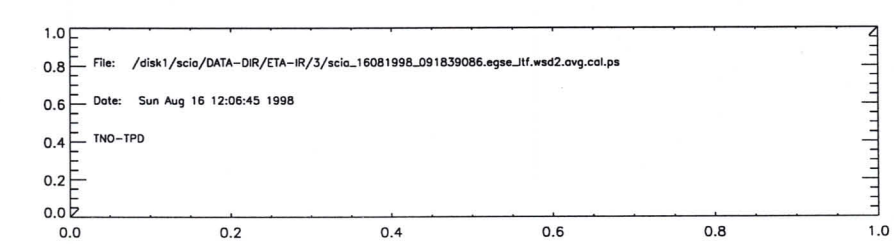

Channel: 5
8×10^5
6×10^5
4×10^5
2×10^5
0
0
200
400
600
800
1000
1200

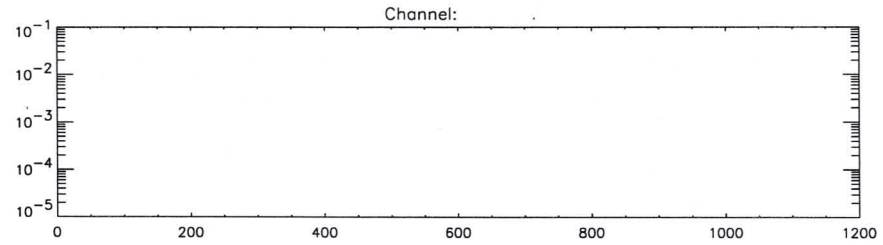

Channel: 6
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

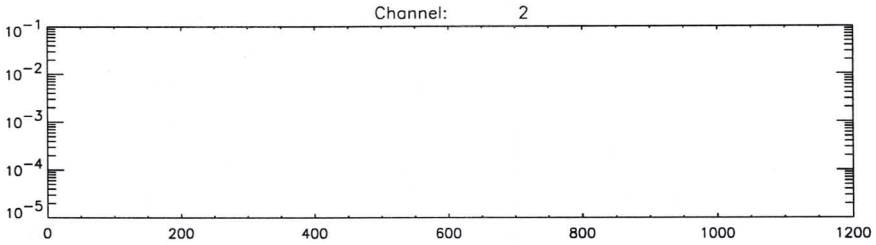

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

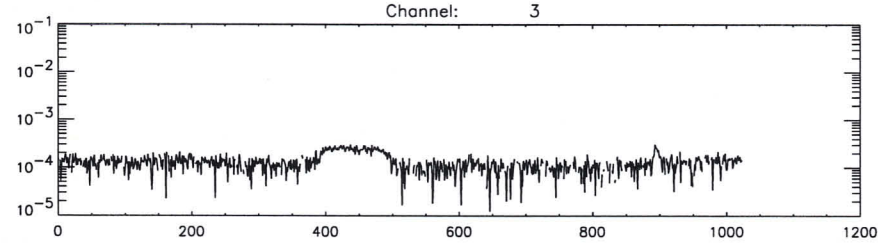

Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200

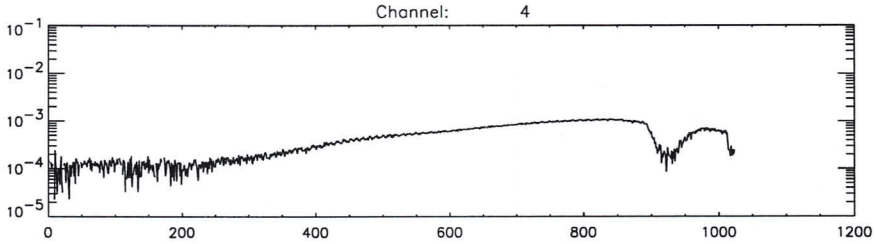

Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15

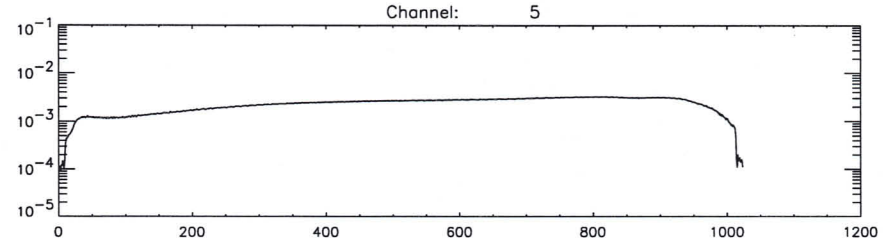

File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wsd2.avg.cal.ps
Date: Sun Aug 16 12:06:45 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

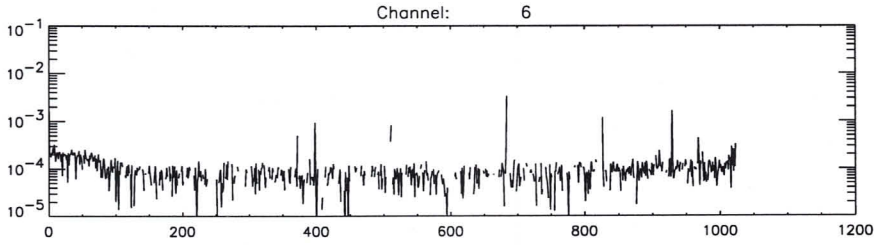

Channel:

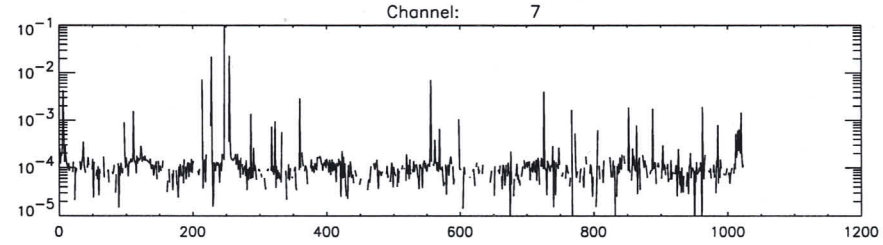

Channel: 2

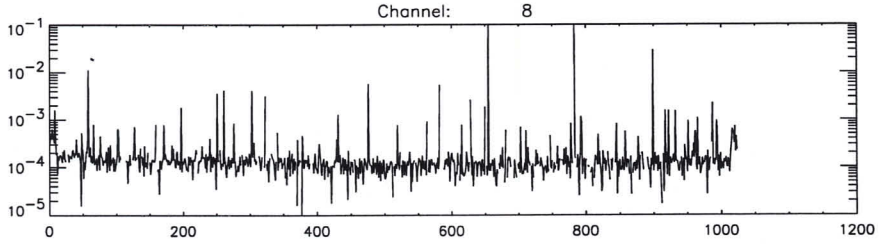

Channel: 3

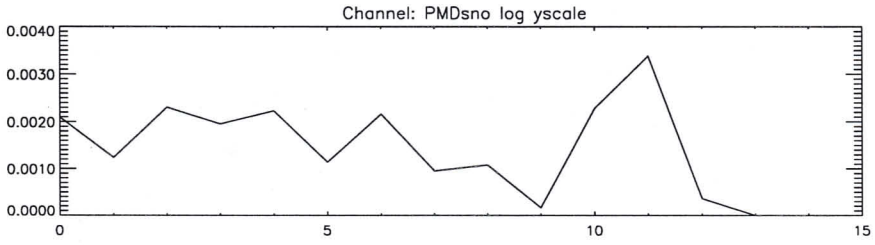

Channel: 4

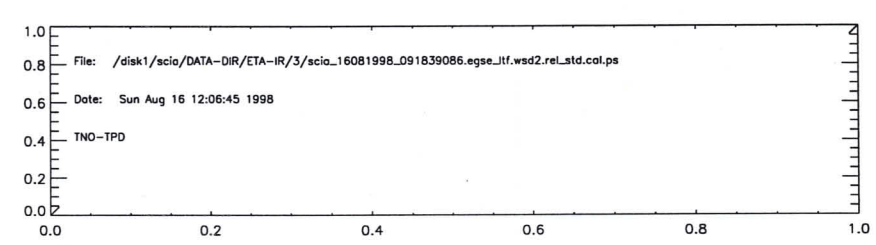

Channel: 5

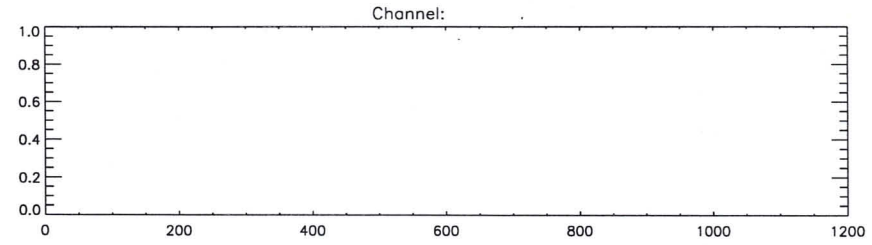

Channel: 6

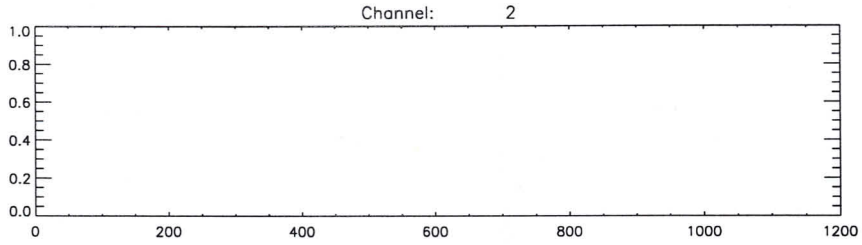

Channel: 7

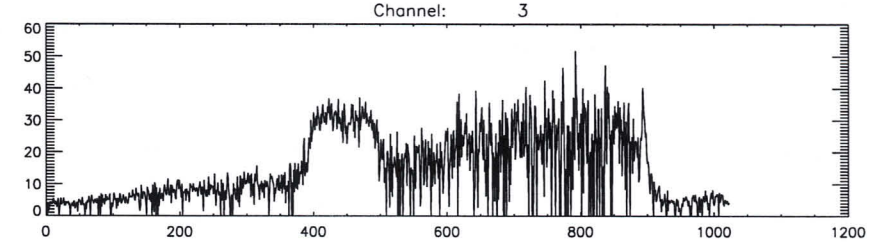

Channel: 8

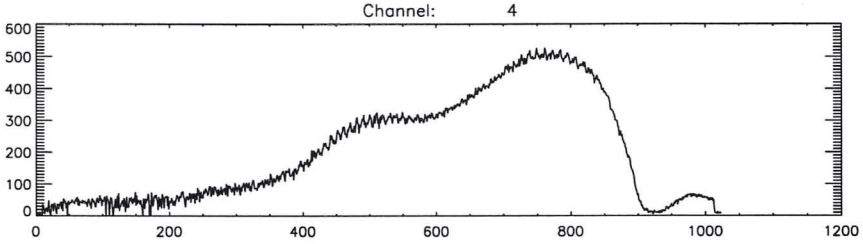

Channel: PMDsno log yscale

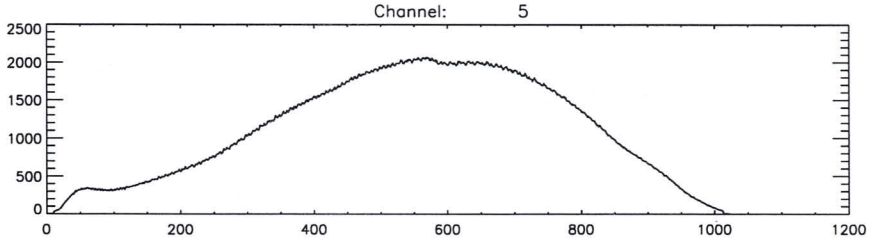

File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wsd2.rel_std.cal.ps
Date: Sun Aug 16 12:06:45 1998
TNO-TPD

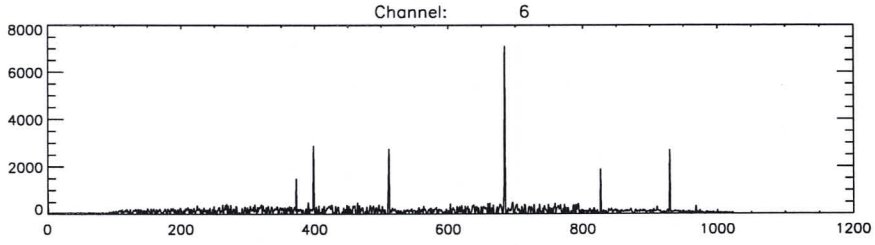

Channel:
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

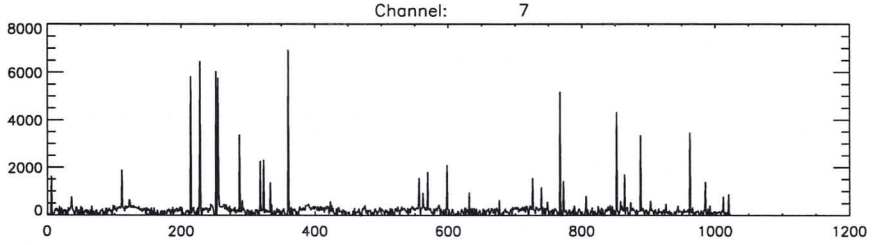

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

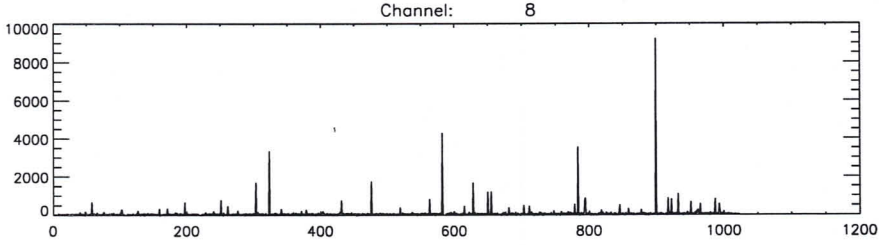

Channel: 3
60
50
40
30
20
10
0
0
200
400
600
800
1000
1200

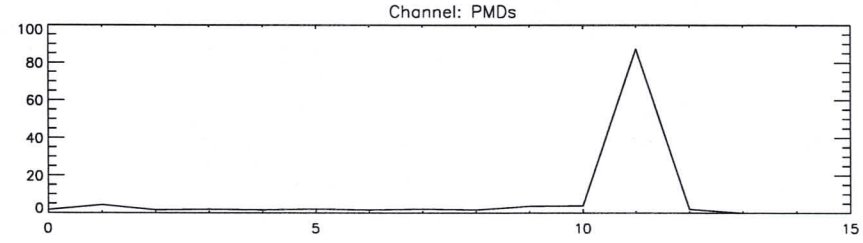

Channel: 4
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200

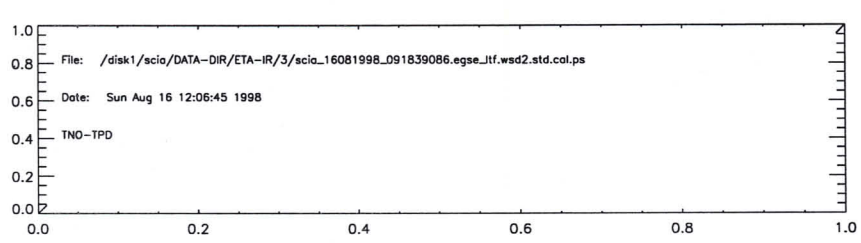

Channel: 5
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 6
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 7
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 8
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: PMDs
100
80
60
40
20
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.wsd2.std.col.ps
Date: Sun Aug 16 12:06:45 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

```
time       = Sun Aug 16 12:06:18 1998
batch      = du1
Start TOD = Sun 16-Aug-98 09:18:40
End   TOD = Sun 16-Aug-98 09:22:16
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 12:07:40 1998
batch      = du2
Start TOD = Sun 16-Aug-98 09:36:59
End   TOD = Sun 16-Aug-98 09:39:35
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 12:07:13 1998
batch      = wpb1
Start TOD = Sun 16-Aug-98 09:31:36
End   TOD = Sun 16-Aug-98 09:33:27
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 12:07:31 1998
batch      = wpb2
Start TOD = Sun 16-Aug-98 09:35:19
End   TOD = Sun 16-Aug-98 09:36:59
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 12:06:37 1998
batch      = wpd1
Start TOD = Sun 16-Aug-98 09:24:07
End   TOD = Sun 16-Aug-98 09:25:59
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 12:06:55 1998
batch      = wpd2
Start TOD = Sun 16-Aug-98 09:27:50
End   TOD = Sun 16-Aug-98 09:29:45
Processing= computation of average, standard dev. and rel.standard dev.
```

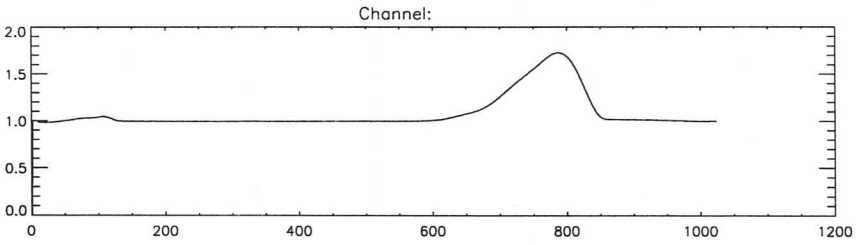
```
time       = Sun Aug 16 12:07:04 1998
batch      = wsb1
Start TOD = Sun 16-Aug-98 09:29:45
End   TOD = Sun 16-Aug-98 09:31:36
Processing= computation of average, standard dev. and rel.standard dev.
```

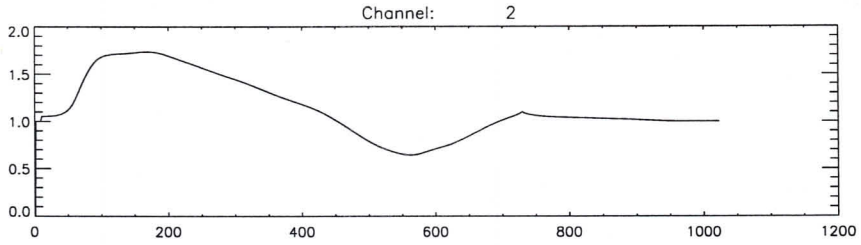
```
time       = Sun Aug 16 12:07:22 1998
batch      = wsb2
Start TOD = Sun 16-Aug-98 09:33:27
End   TOD = Sun 16-Aug-98 09:35:19
Processing= computation of average, standard dev. and rel.standard dev.
```

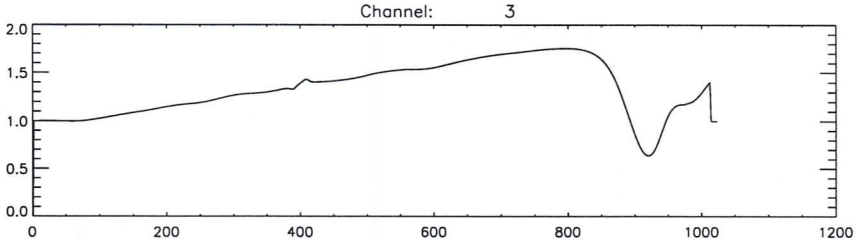
```
time       = Sun Aug 16 12:06:45 1998
batch      = wsd2
Start TOD = Sun 16-Aug-98 09:25:59
End   TOD = Sun 16-Aug-98 09:27:50
Processing= computation of average, standard dev. and rel.standard dev.
```

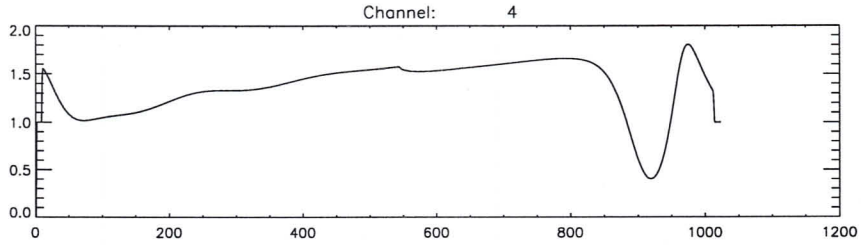
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsd2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 13:14:53 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal.d.p
```

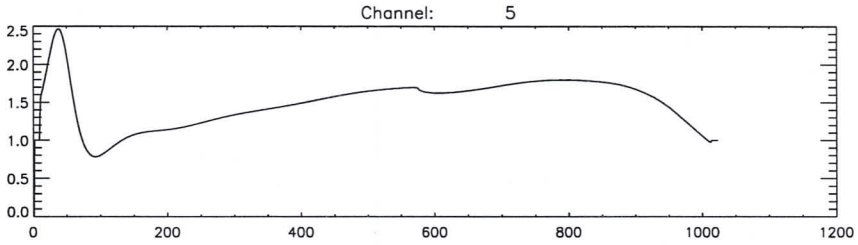
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsb2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 13:14:39 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal.b.p
```

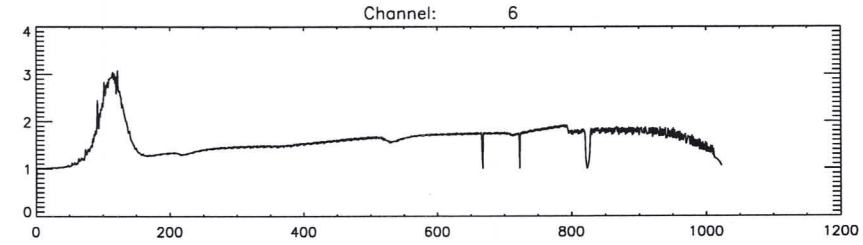

Channel:

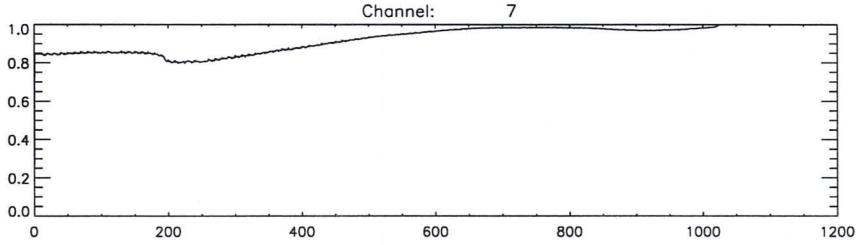

Channel: 2

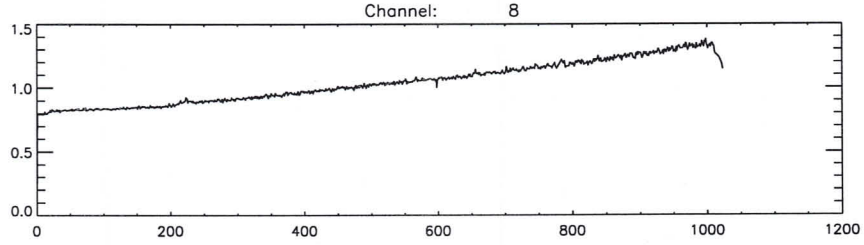

Channel: 3

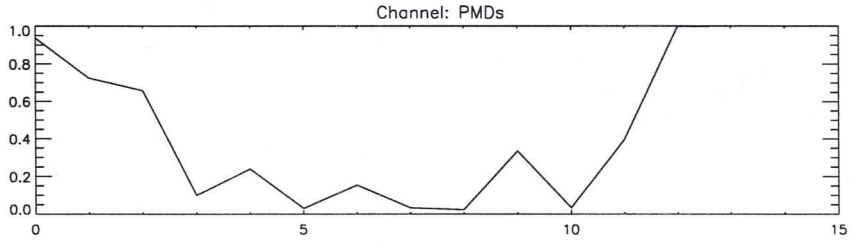

Channel: 4

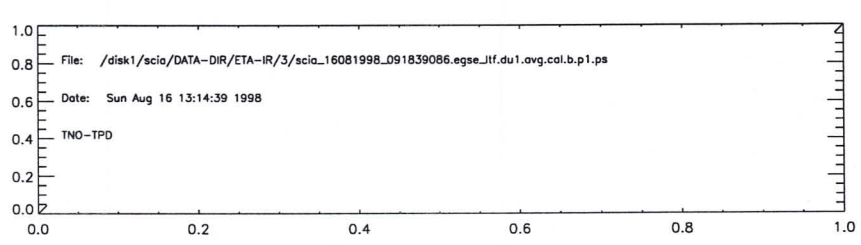

Channel: 5

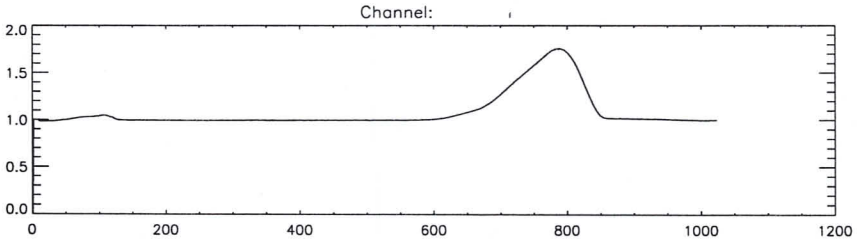

Channel: 6

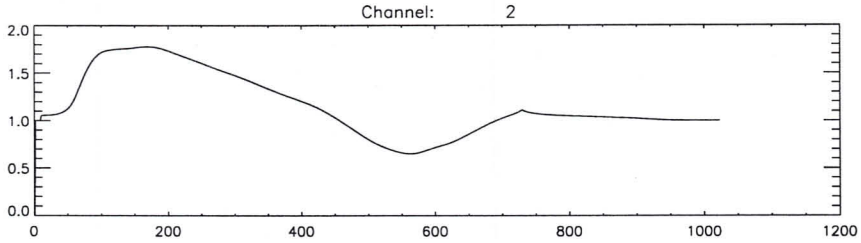

Channel: 7

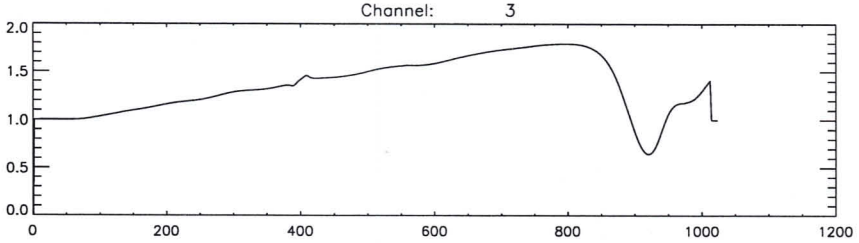

Channel: 8

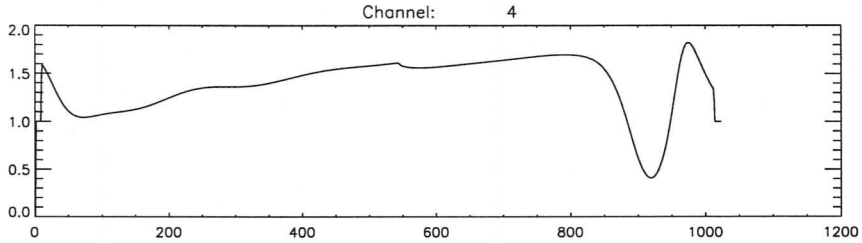

Channel: PMDs

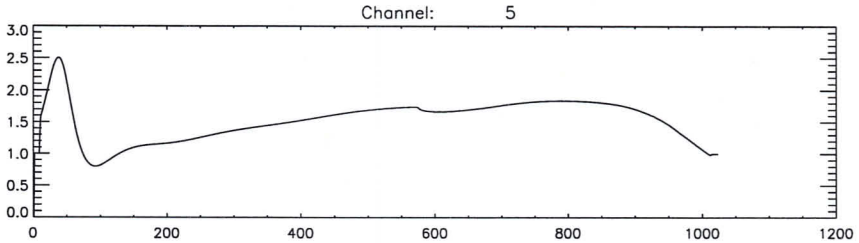

File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.du1.avg.cal.b.p1.ps
Date: Sun Aug 16 13:14:39 1998
TNO-TPD

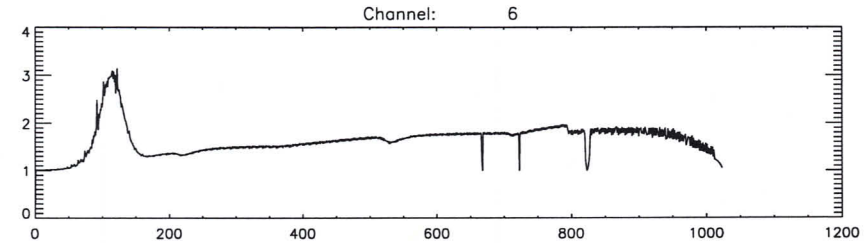

Channel:

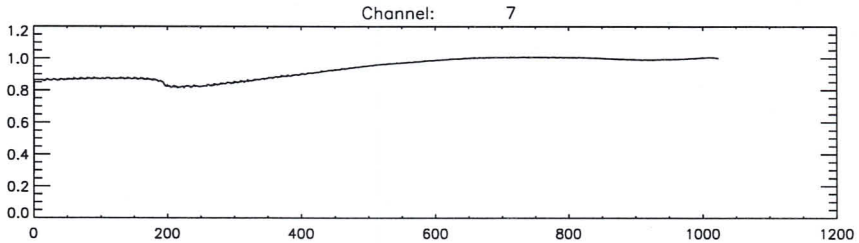

Channel: 2

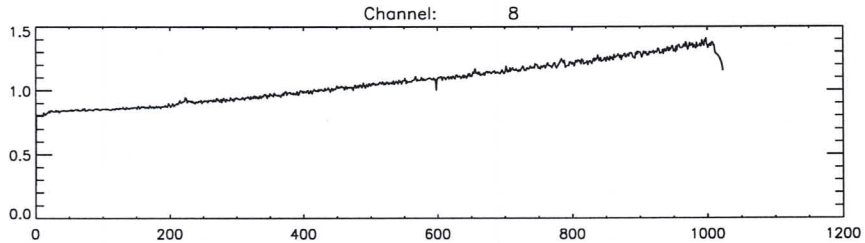

Channel: 3


Channel: 4


Channel: 5


Channel: 6


Channel: 7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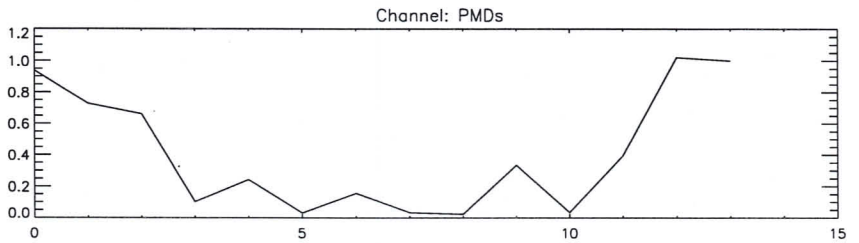
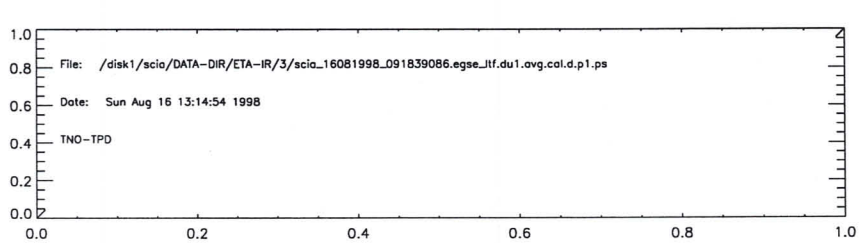

Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_itf.du1.avg.cal.d.p1.ps
Date: Sun Aug 16 13:14:54 1998
TNO-TPD

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsb2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 13:14:39 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal.b.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wpd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.wsd2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 13:14:53 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/3/scia_16081998_091839086.egse_ltf.du1.avg.cal.d.p
```

Formal Run of Measurement

(Measurement ID) Eta_UV_VIS

Request for Actual Status	X	(cross out entries that are not requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	9	✓								
Repetitions	7									

State Parameters for States used in Timeline (State ID must be given)

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	2	1						
1b	2	1						
2b	0,5	4						
2a	0,5	4	✓					
3	0,125	16						
4	0,0625	32						
5	0,03125	32						
6	H1	32						
7	H7	32						
8	H8	32						
State ID								

Cont. clear dir. 2 1/32 meg Solar

Eta_UV_VIS

Step 12-1

U106

Stimuli Settings for Existing Blocks in Measurement

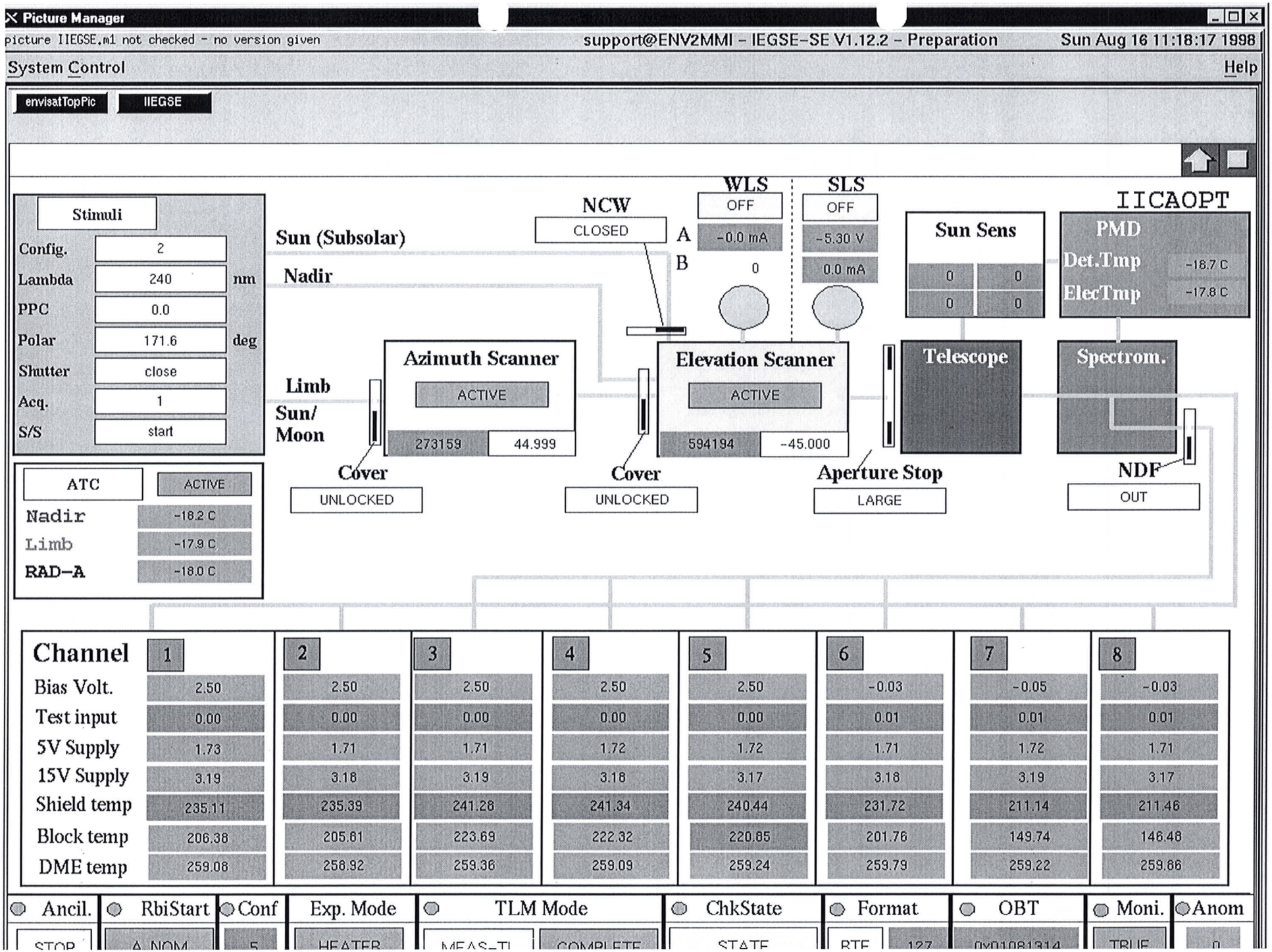
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2		171,6						2		
2.1	2		171,6						2		
2.2	2		85,4						2		
3.1	2		171,6						2		
3.2	2		85,4						2		
4.1	2		171,6						2		
4.2	2		85,4						2		
5	2		85,4						2		

Measurement Data Description

Test Purpose	
Remark	U106
Data Directory	0228

Signatures

	Date	Signature
Issued	18-8	[signature]
Performed	16/8/98	[signature]


Picture Manager
picture IIEGSE.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 16 11:18:17 1998
System Control
Help
envisatTopPic
IIEGSE
Stimuli
Config. 2
Lambda 240 nm
PPC 0.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.11 235.39 241.28 241.34 240.44 231.72 211.14 211.46
Block temp 206.38 205.81 223.69 222.32 220.85 201.76 149.74 146.48
DME temp 259.08 258.92 259.36 259.09 259.24 259.79 259.22 259.66
Ancil. RbiStart Conf Exp. Mode TLM Mode ChkState Format OBT Moni. Anom
STOP A_NOM 5 HEATER MEAS_TL COMPLETE STATE RTE 127 0x01081314 TRUE 0

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Ralph Snel 16-08-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-16081998_1116270?1.dat 11380196?.dat (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB

Sign:		
	Name	Ralph Snel
	Date and time	16-08-98, 11:57
	Signature	RS

MASTER

ETA-UV

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Gij	
	Date:	16/8/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scra_16081998_111627021.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/ETA-UV/ ;` `ls -l`		Note: In window DATA-DIR
	highest number in directory?	1	(B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	2	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	~/DATA-DIR/ETA-UV/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file	scra_16081998_111627021.egse_ltf	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
	<D> should be <A>.egse_ltf	Y / N	
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal` size:	ok	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal` size:	ok	should be approx 150Kb

P-pol file:
`ls -l *.wp*.avg cal`

size: _____ should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:
`lpr -P<printer> *.ps`

Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / N
Contents P file `*wp*.avg.cal` should resemble white light source: Y / N
Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source: Y / N

Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N

If not, value is: _____

Add postscript images to logbook, done Y / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N

ETA processing

Run ETA

`idl do_eta` In IDL window

Check ETA

`ls -l *.p1.* | more` In DATA-DIR window

Size of file `<D>.du*.avg.cal.[a|c|e].p1.cal` _____ 0k2 _____ should be approx 150Kb

ETA-UV

? cal.[a|c|e].p1.cal.log ?

	Size of file <D>.du*.avg.cal.[a|c|e].p1.log	901 bytes
	Size of file <D>.du*.avg.cal.[a|c|e].p1.ps	~~901~~ ~150 kb
Check ETA visually	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (in channels 1-4)	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	Y / N

Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp
	Name of backup CDs	1608908 .

Sign:	Name	
	Date and time	
	Signature	

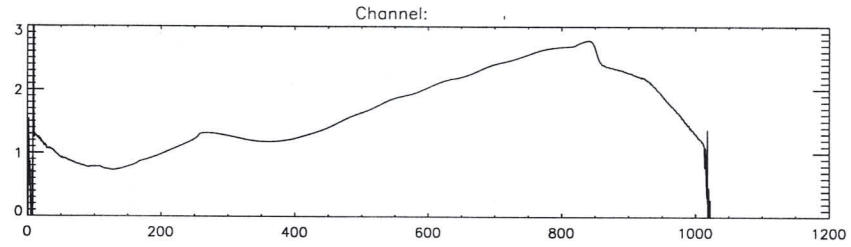
ETA-UV

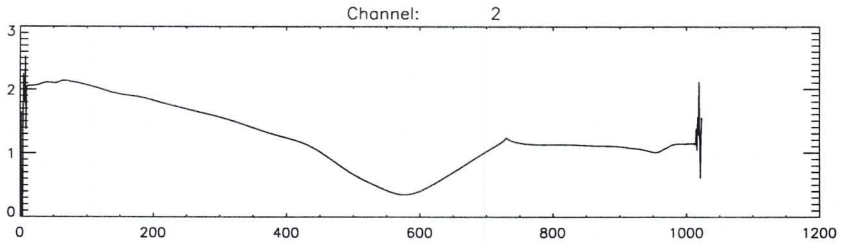
? cal.[a|c|e].p1.cal.log ?

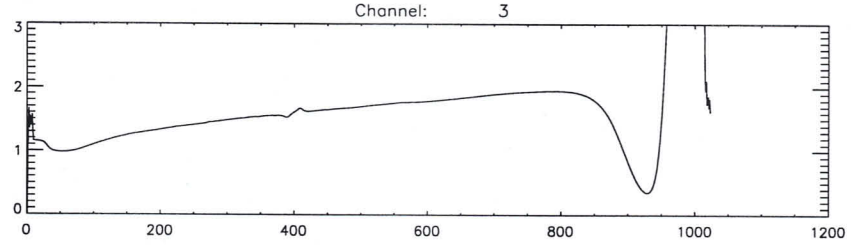
	Size of file `<D>.du*.avg.cal.[a|c|e].p1.log`	901 bytes
	Size of file `<D>.du*.avg.cal.[a|c|e].p1.ps`	~~901~~ ~150 kb
Check ETA visually	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (in channels 1-4)	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	Y / N

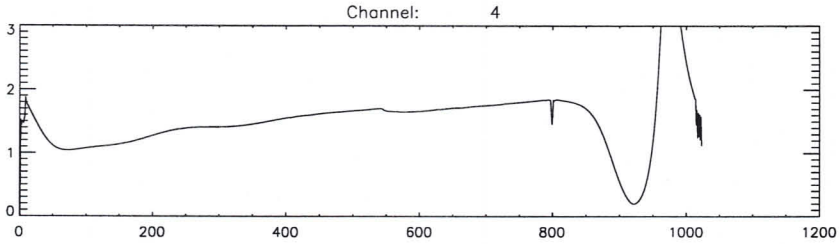
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	1608908 .	

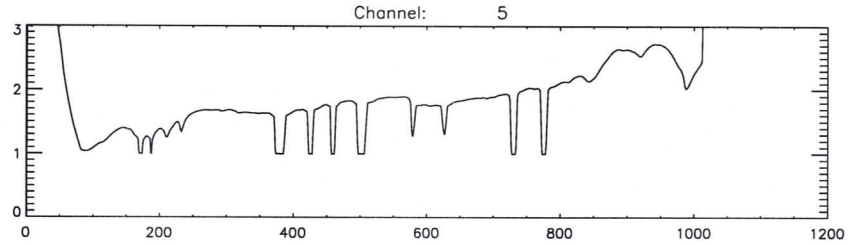
Sign:	Name	
	Date and time	
	Signature	

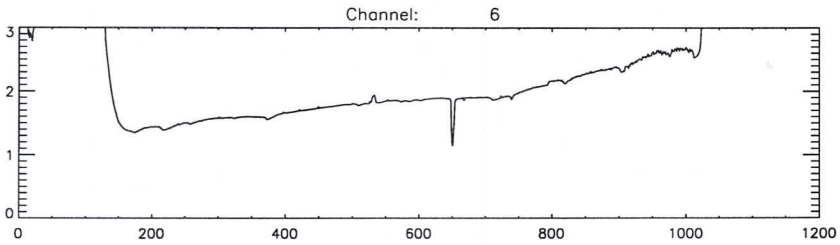


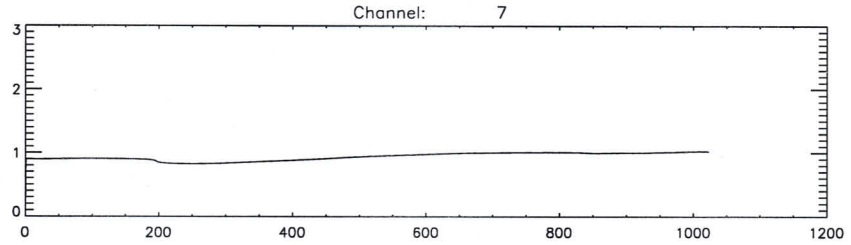


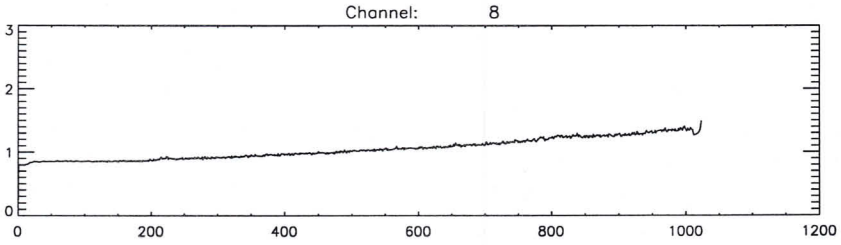


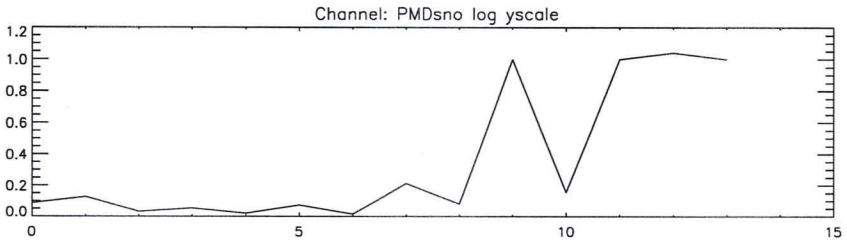


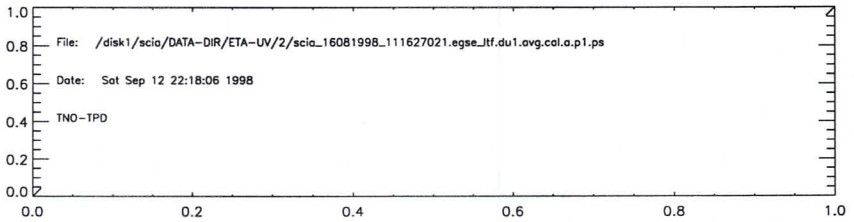












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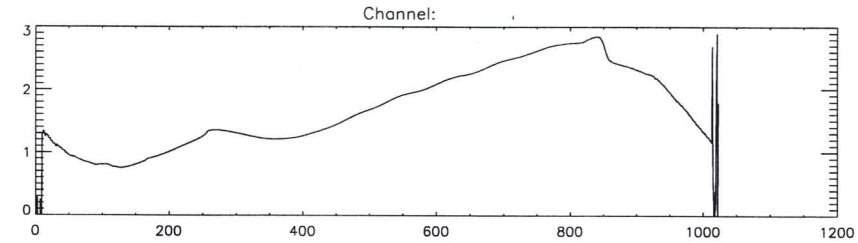
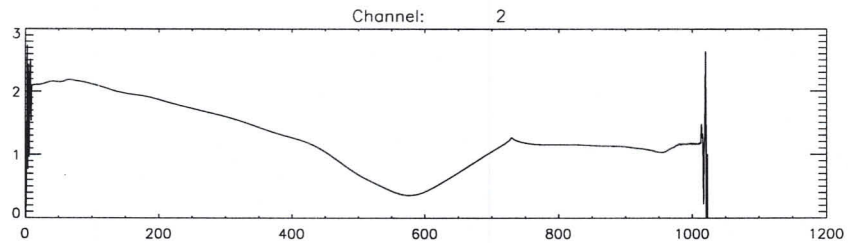
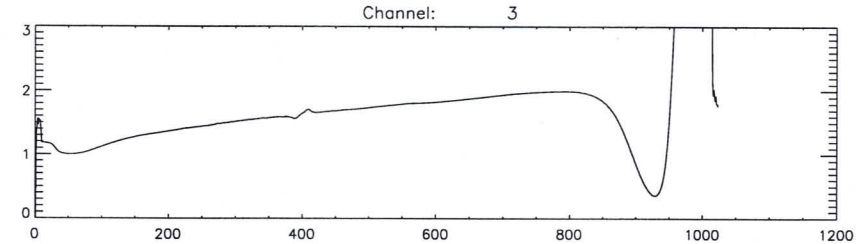
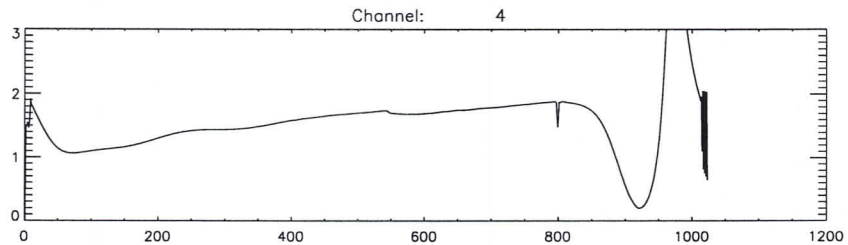
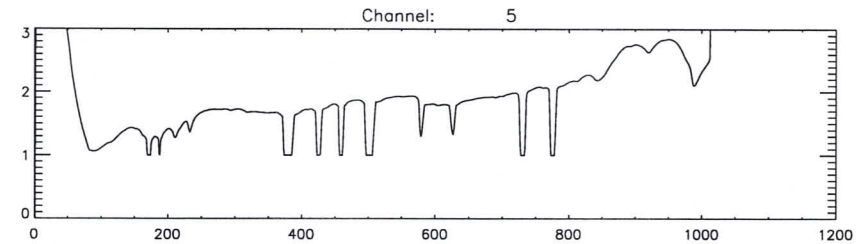
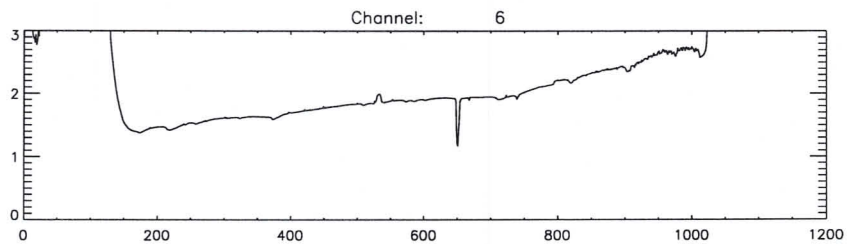

Channel:

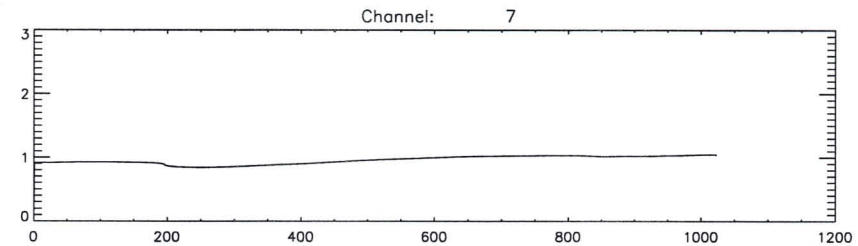

Channel: 2

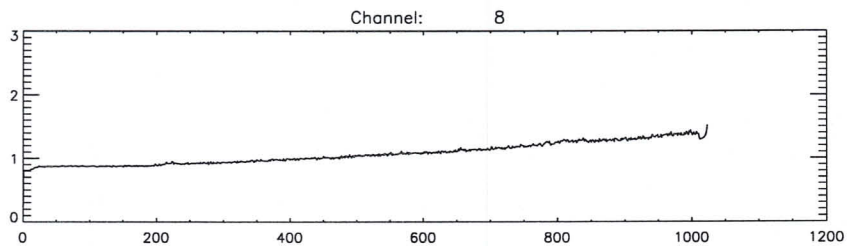

Channel: 3

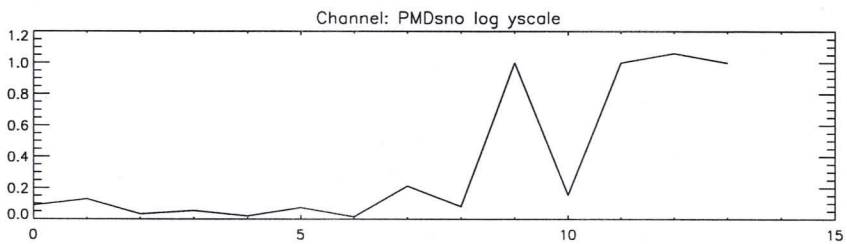

Channel: 4

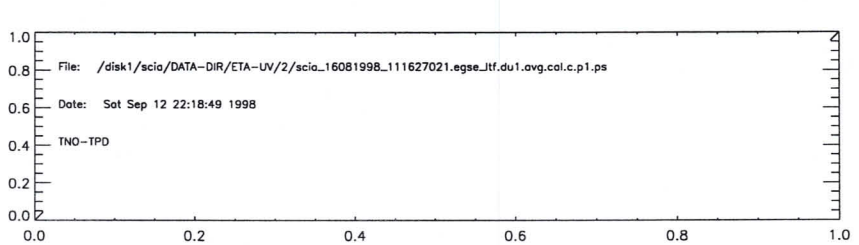

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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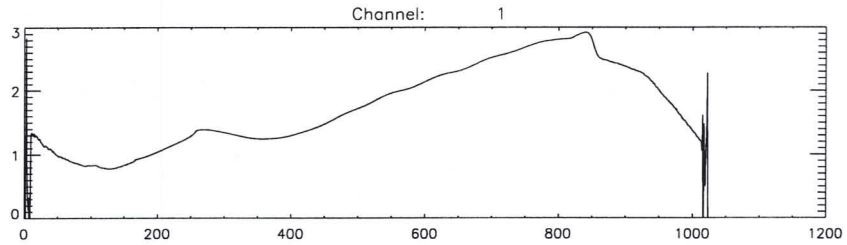
Date: Sat Sep 12 22:18:49 1998
TNO-TPD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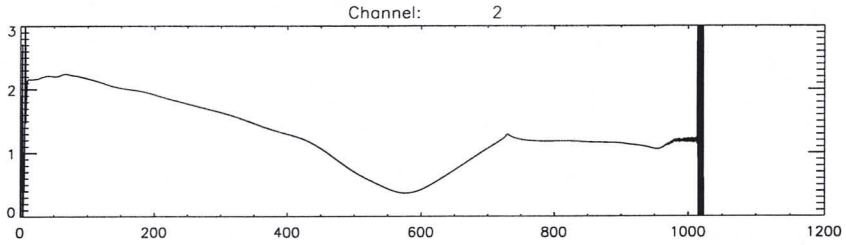
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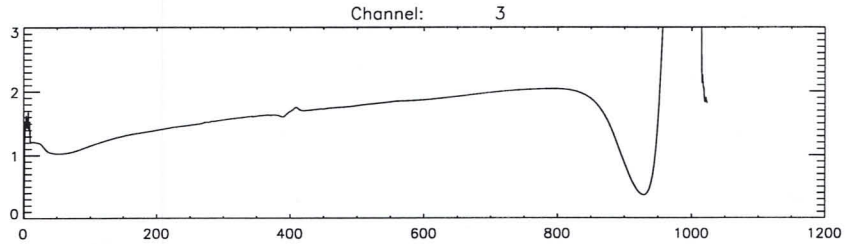
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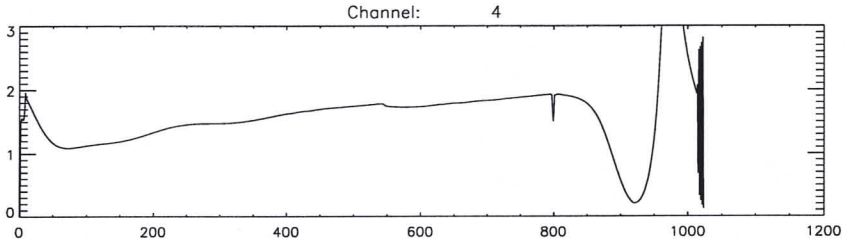
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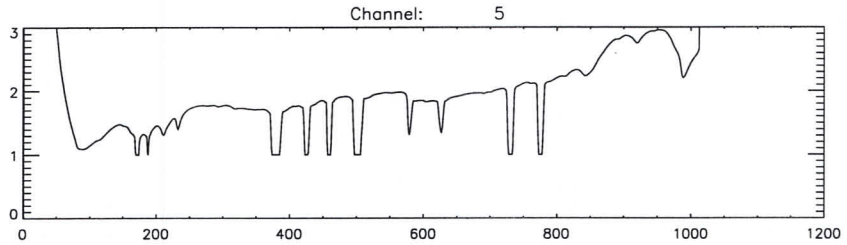
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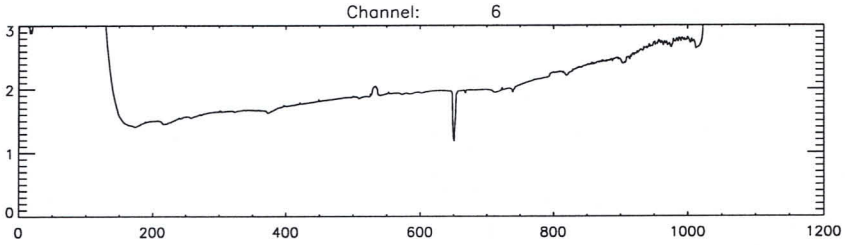
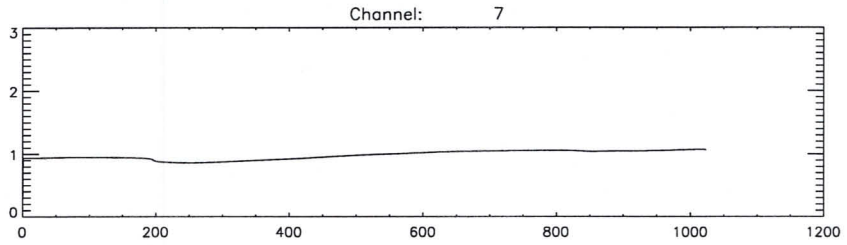

Channel: 6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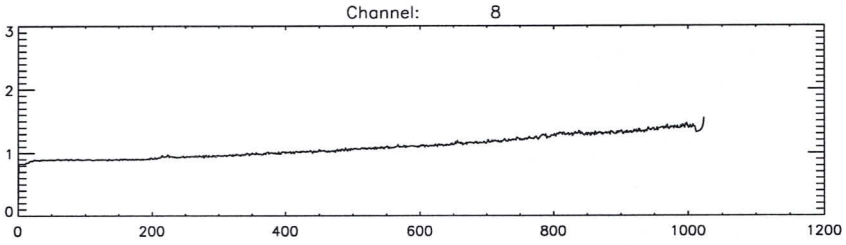
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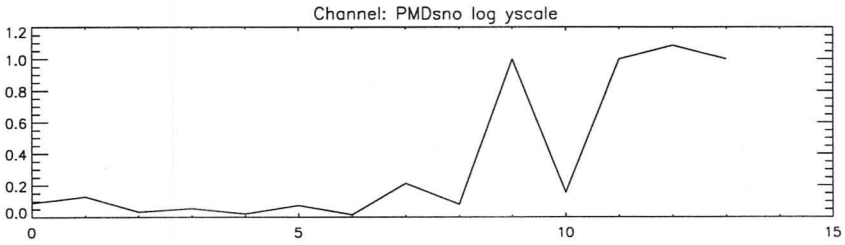
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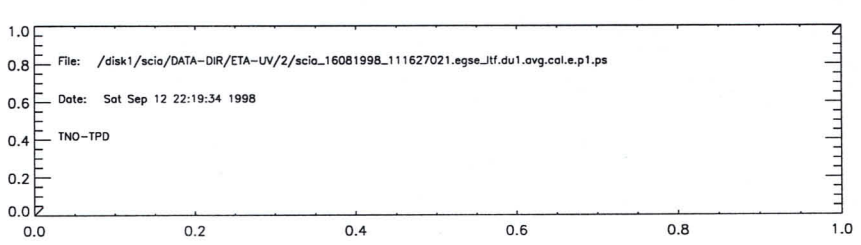
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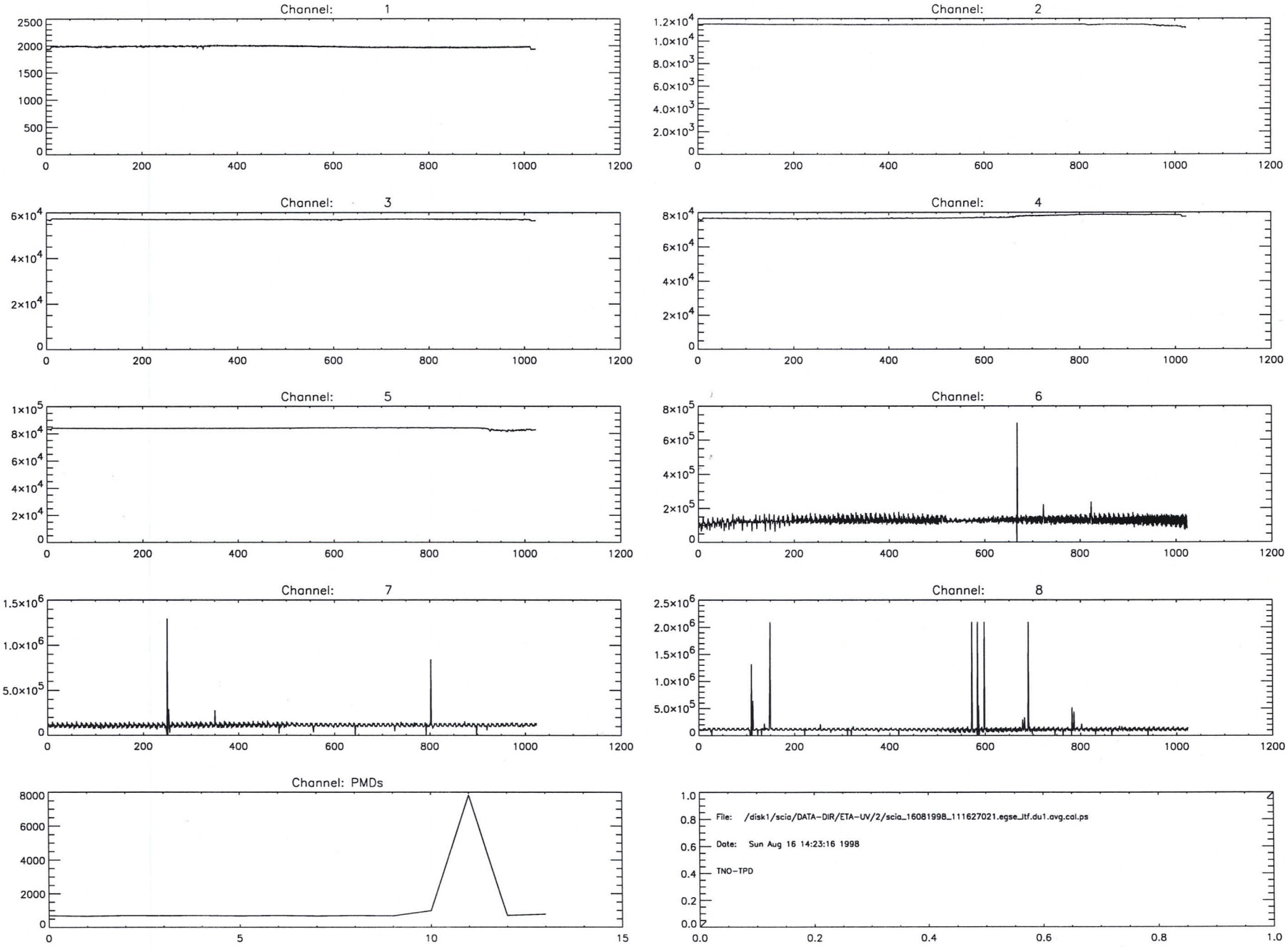
Date: Sat Sep 12 22:19:34 1998
TNO-TPD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Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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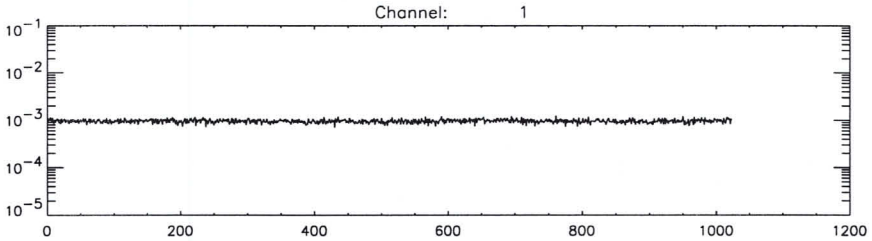
Date: Sun Aug 16 14:23:16 1998
TNO-TPD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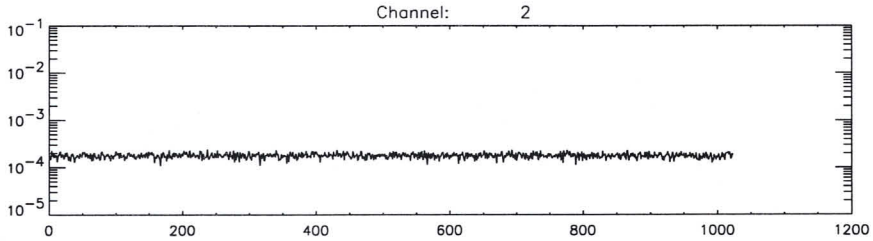
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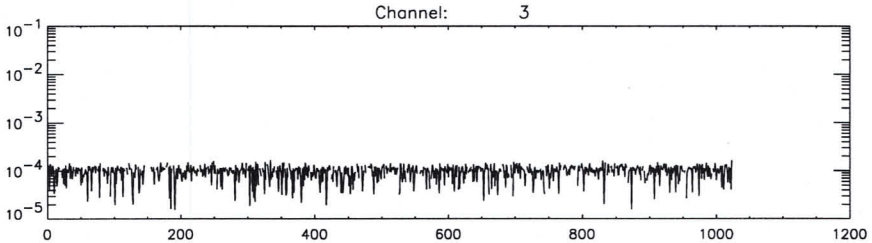
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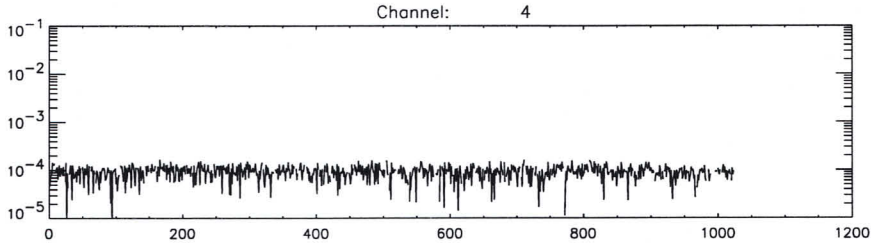
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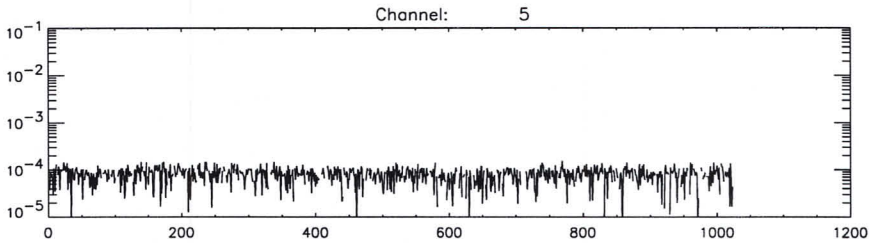
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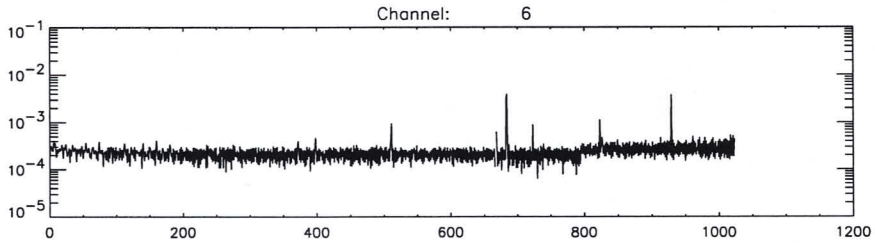
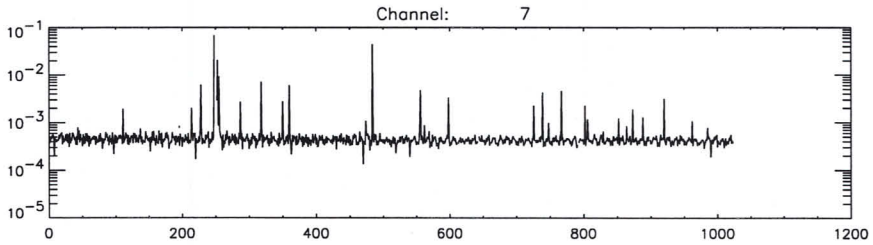

Channel: 6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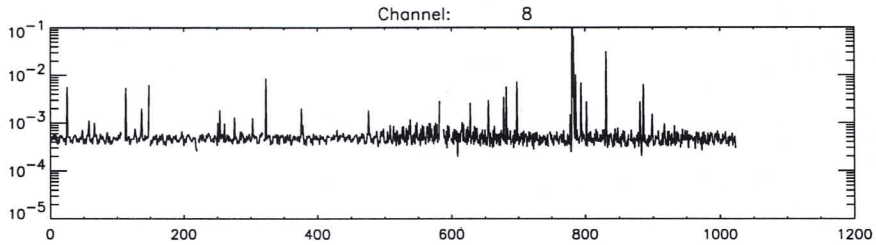
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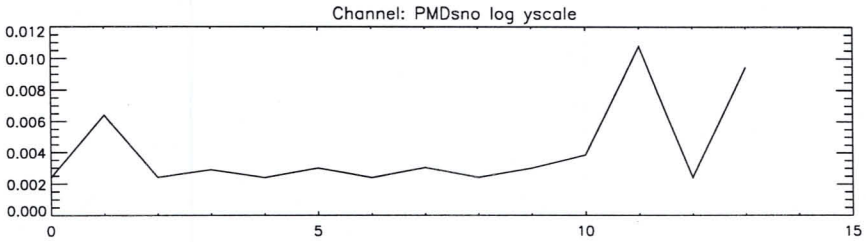
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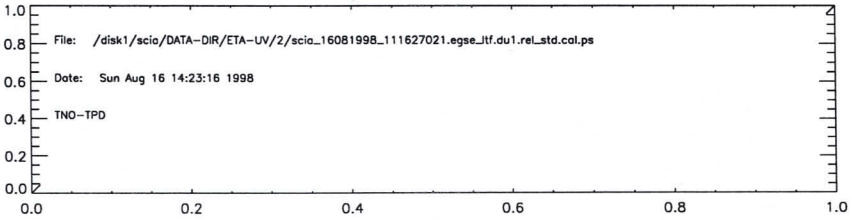
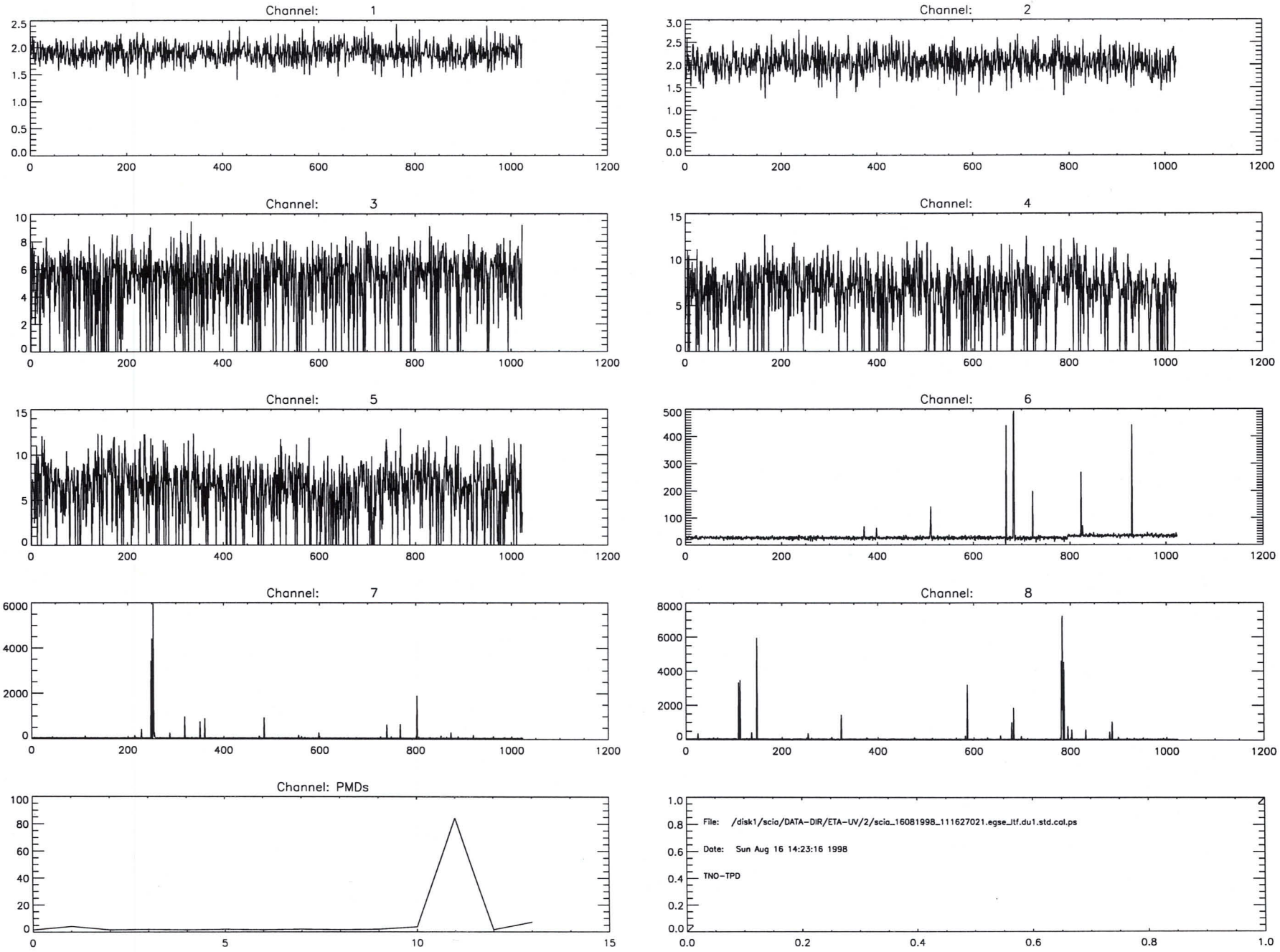

File: /disk1/scio/DATA-DIR/ETA-UV/2/scio_16081998_111627021.egse_ltf.du1.rel_std.cal.ps
Date: Sun Aug 16 14:23:16 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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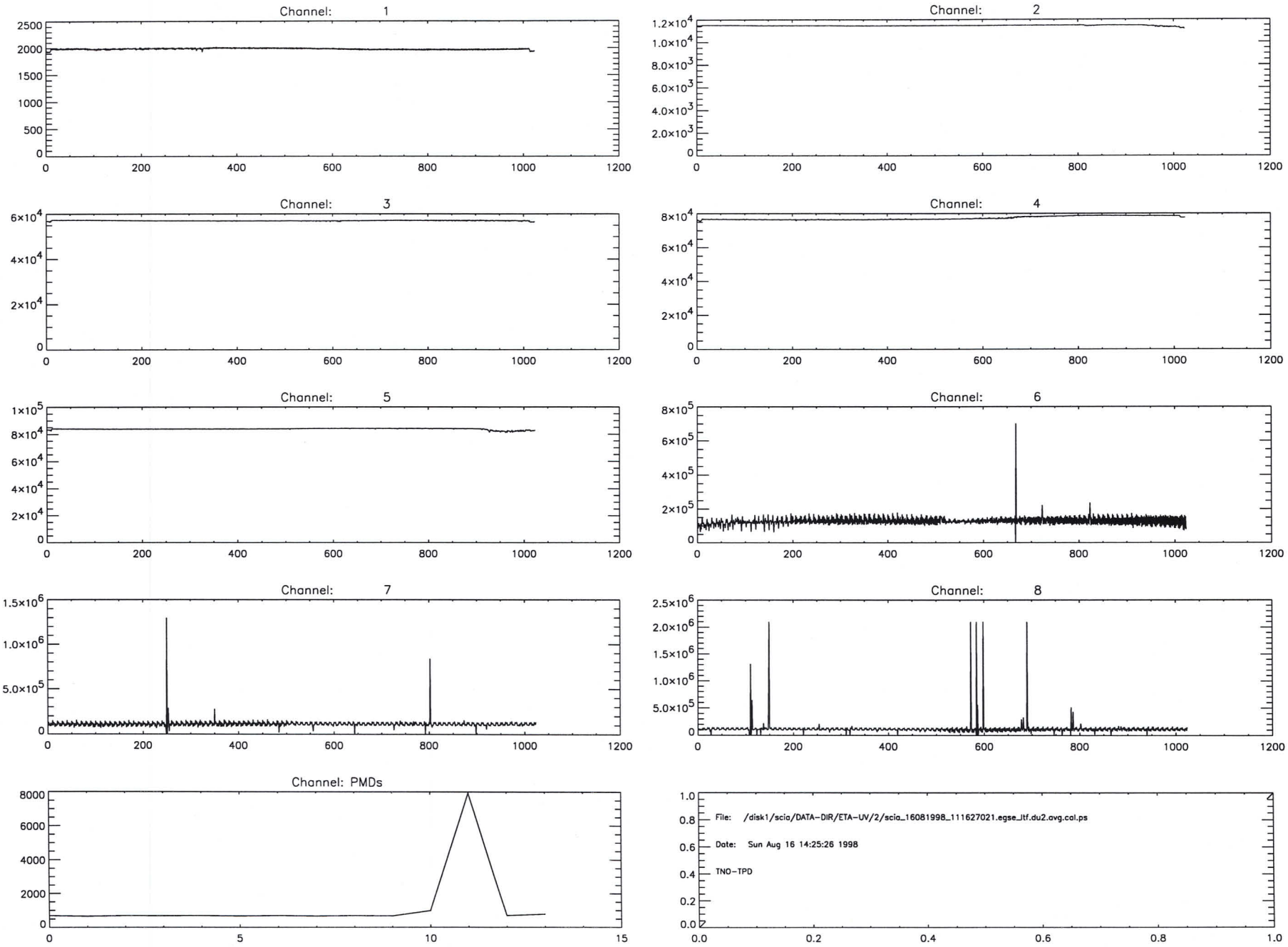
Date: Sun Aug 16 14:23:16 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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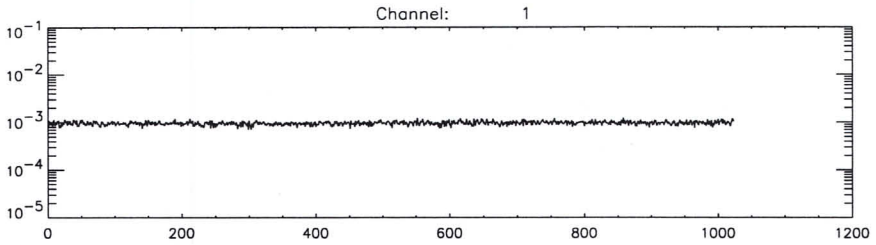
Date: Sun Aug 16 14:25:26 1998
TNO-TPD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10^{-3}
10^{-4}
10^{-5}
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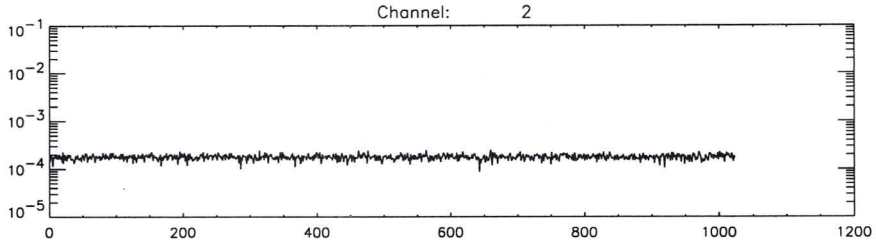
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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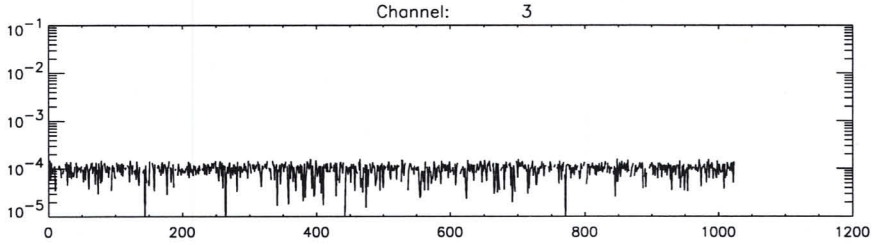
600
800
1000
1200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600
800
1000
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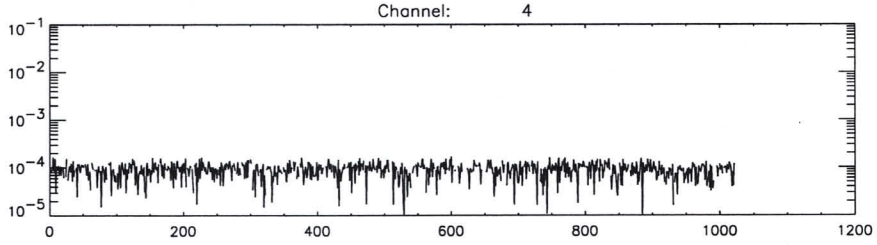
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10^{-3}
10^{-4}
10^{-5}
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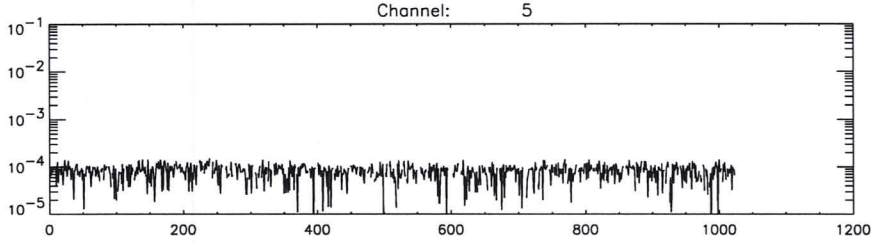
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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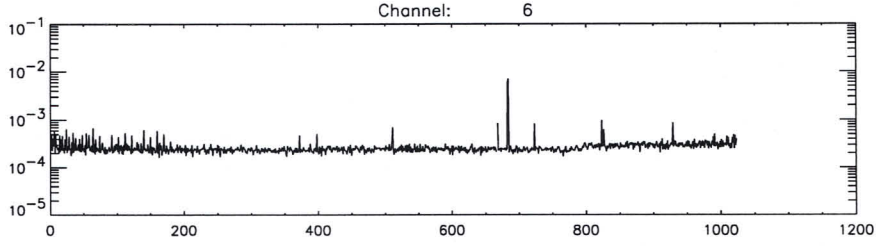
1200


Channel: 6
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10^{-3}
10^{-4}
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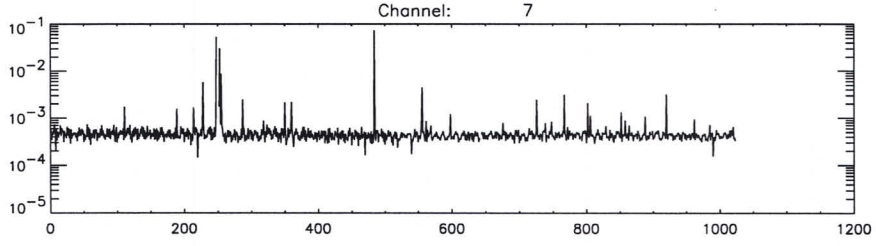
1200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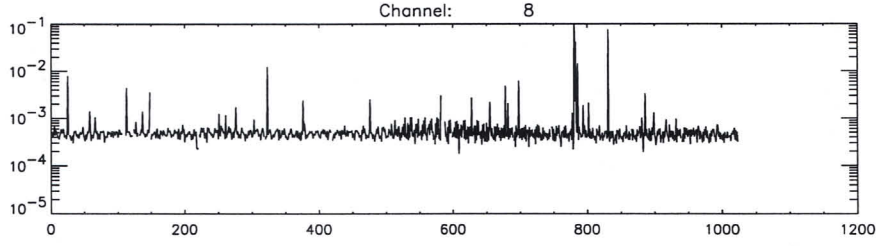
1000
1200


Channel: 8
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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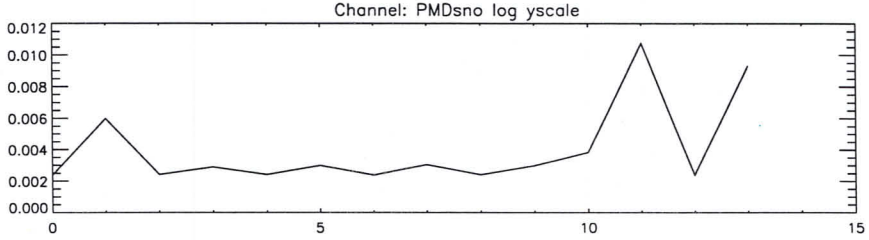
600
800
1000
1200


Channel: PMDsno log yscale
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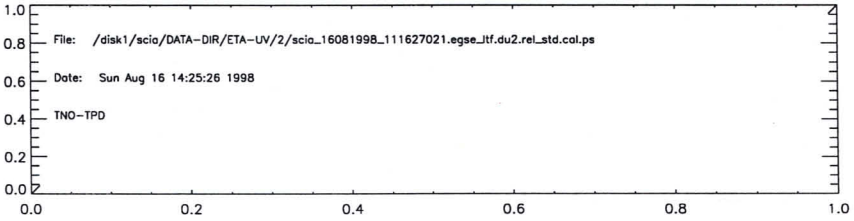
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du2.rel_std.cal.ps
Date: Sun Aug 16 14:25:26 1998
TNO-TPD
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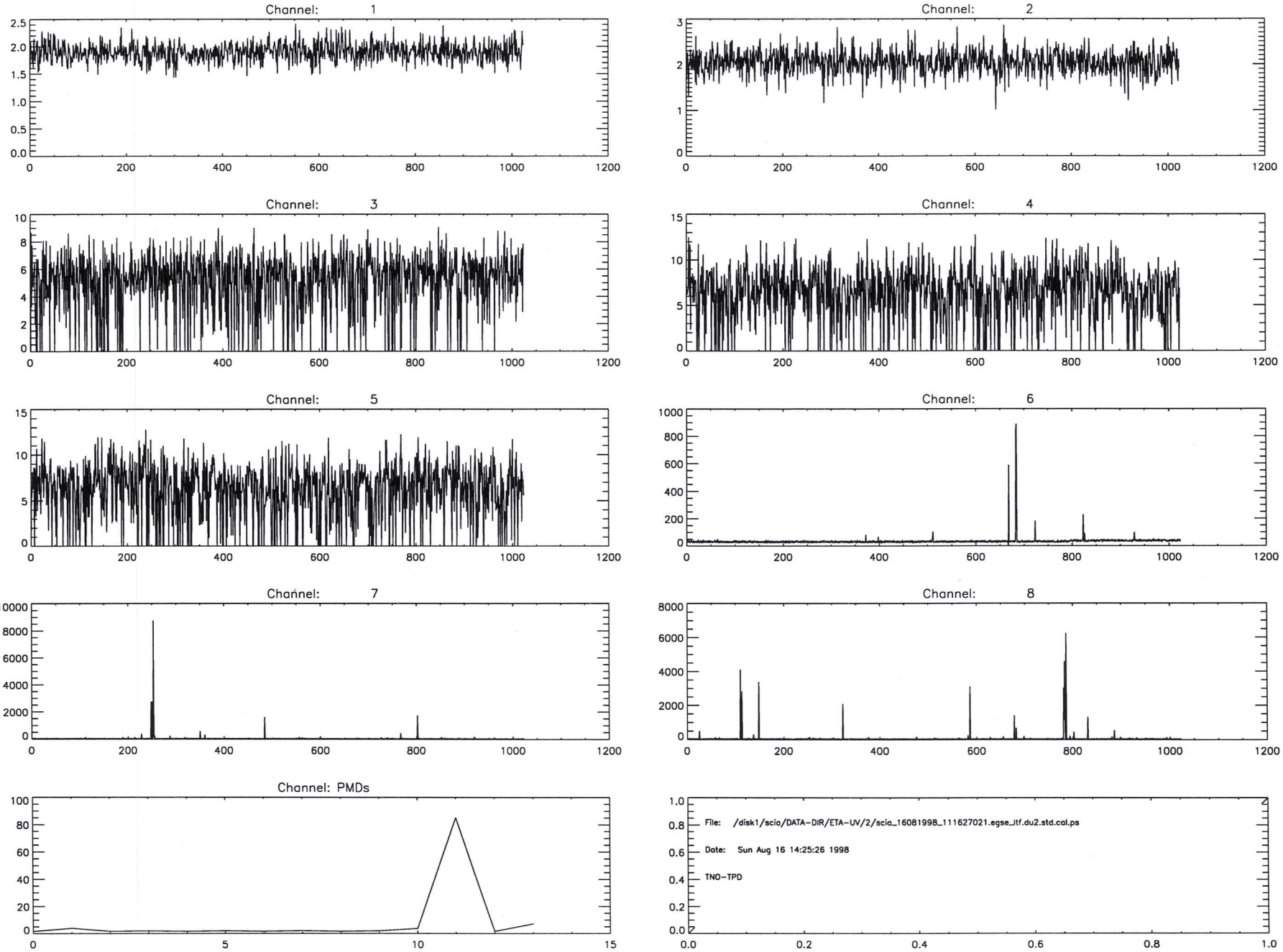
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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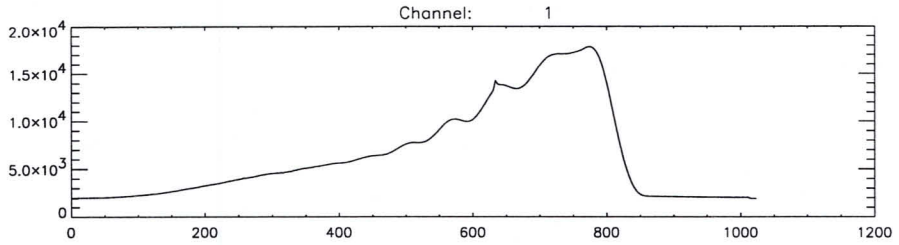
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du2.std.cal.ps
Date: Sun Aug 16 14:25:26 1998
TNO-TPD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1.0x10^4
5.0x10^3
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600
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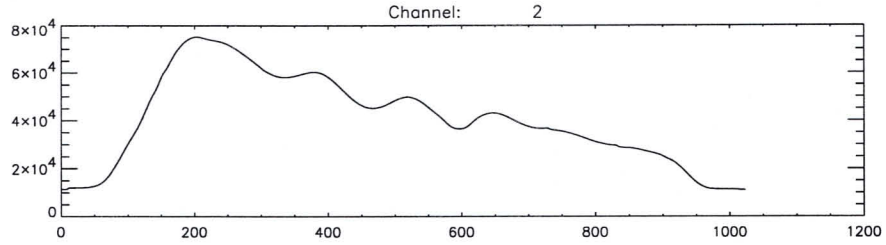
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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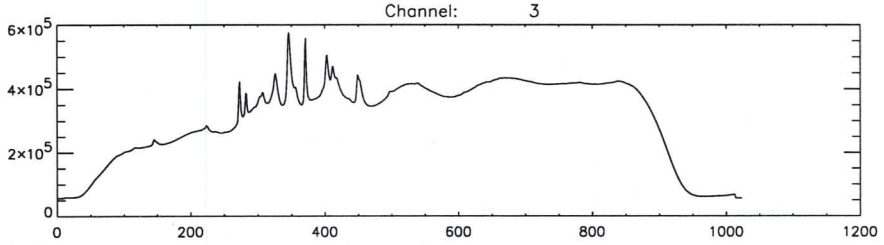
1000
1200


Channel: 3
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4x10^5
2x10^5
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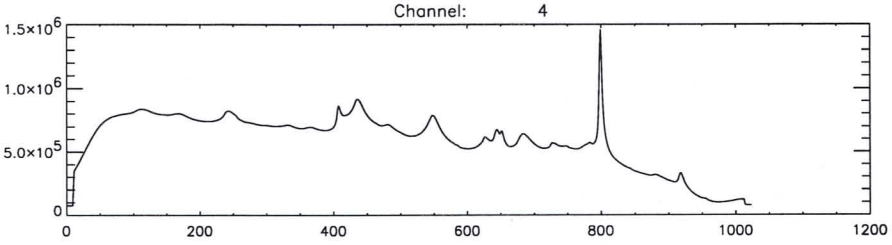
800
1000
1200


Channel: 4
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1.0x10^6
5.0x10^5
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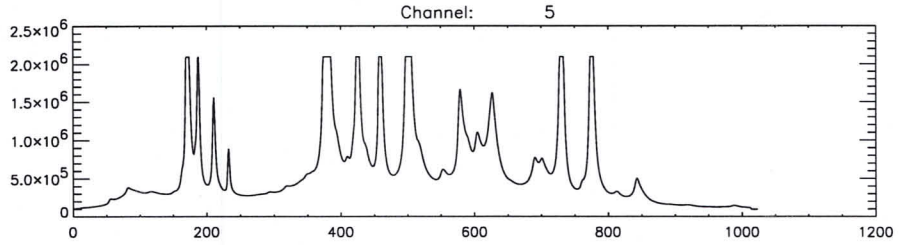
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1.0x10^6
5.0x10^5
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1000
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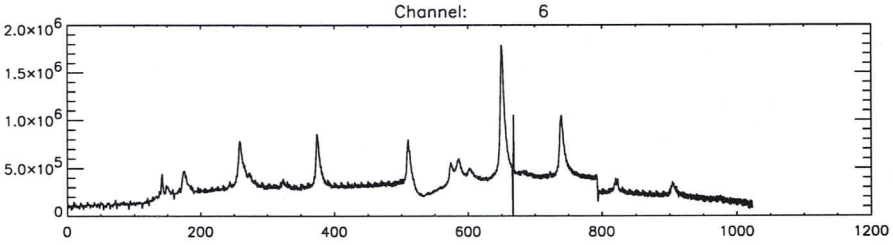
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1.0x10^6
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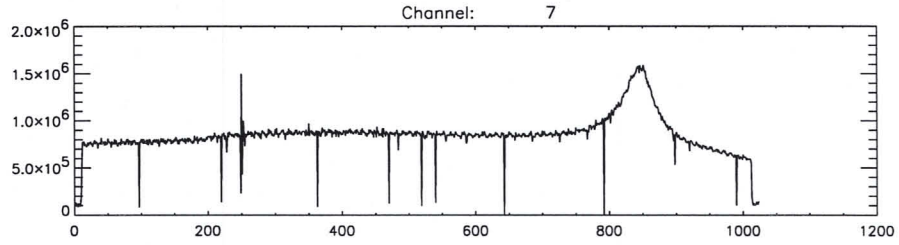
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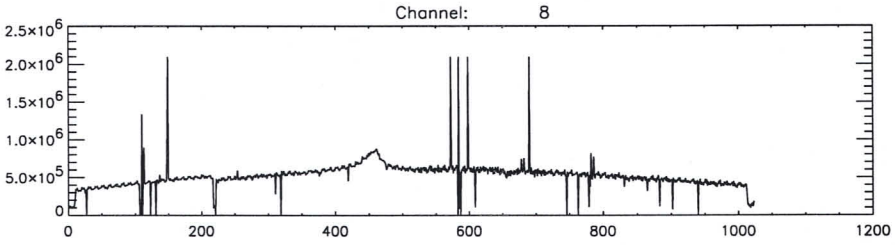
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1.0x10^6
5.0x10^5
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0
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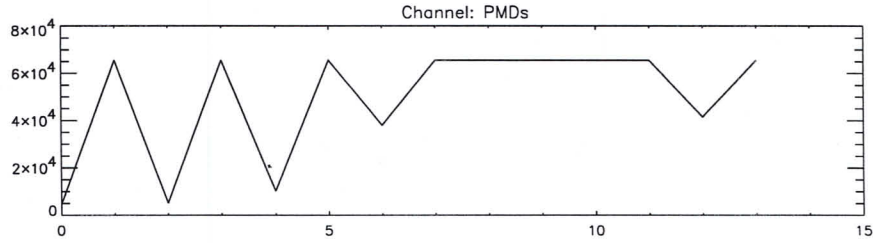
400
600
800
1000
1200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2x10^4
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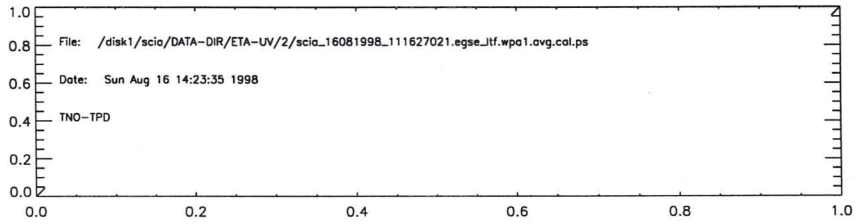
0
5
10
15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Date: Sun Aug 16 14:23:35 1998
TNO-TPD
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0.4
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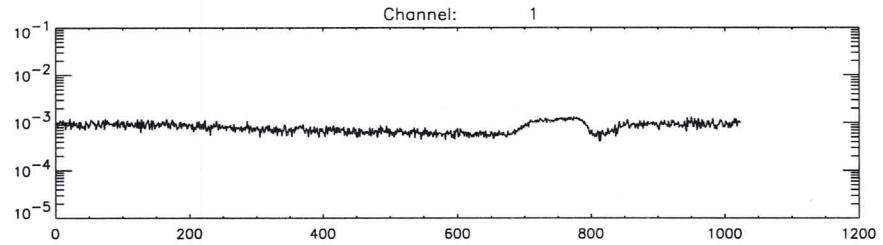
0.6
0.8
1.0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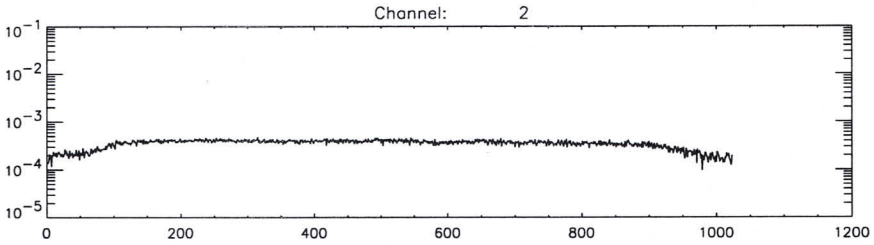
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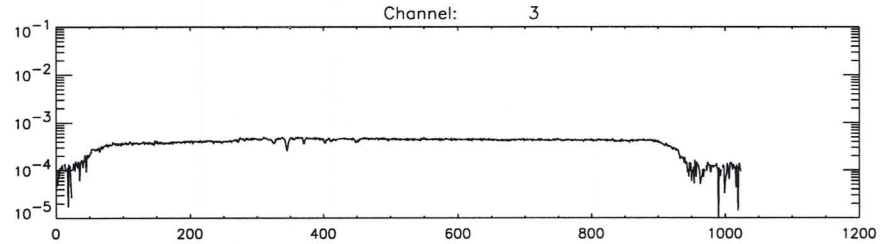
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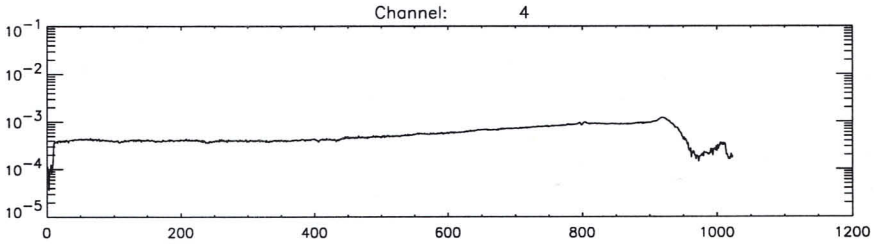
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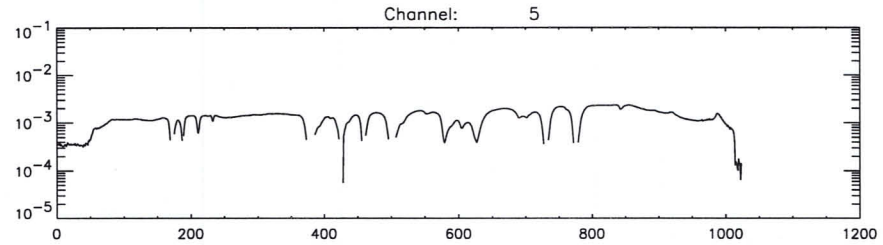
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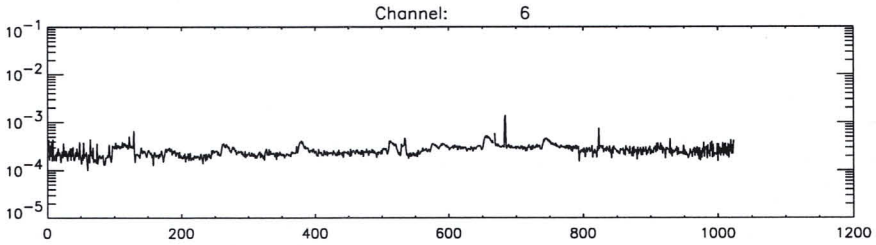
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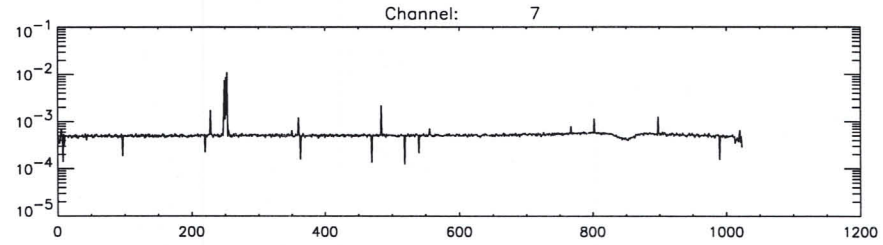
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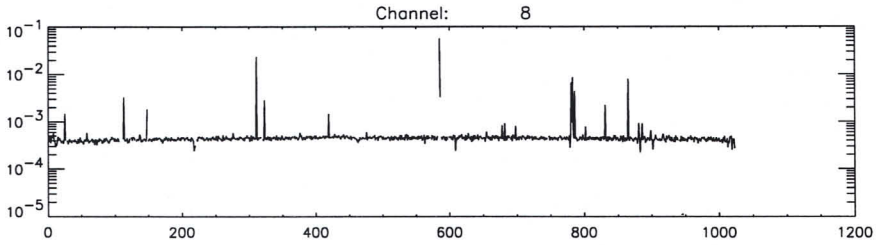
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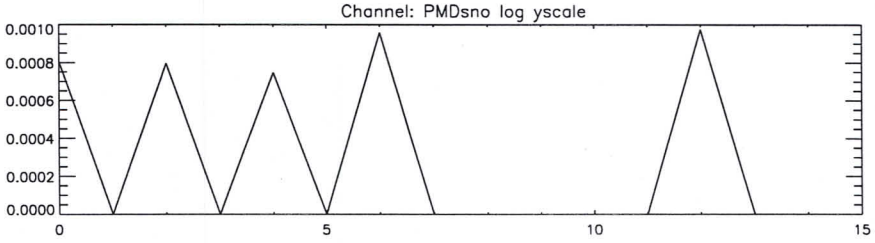
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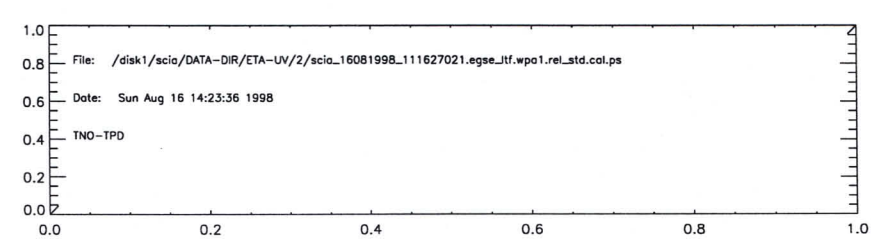
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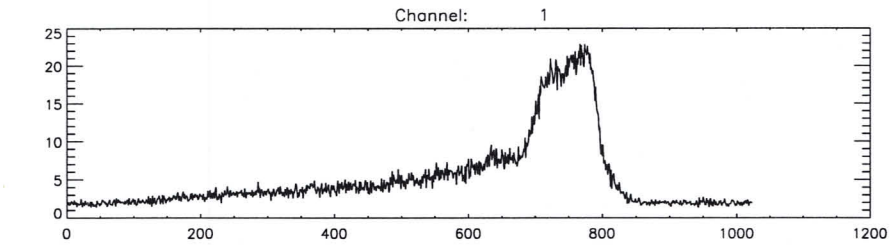
Date: Sun Aug 16 14:23:36 1998
TNO-TPD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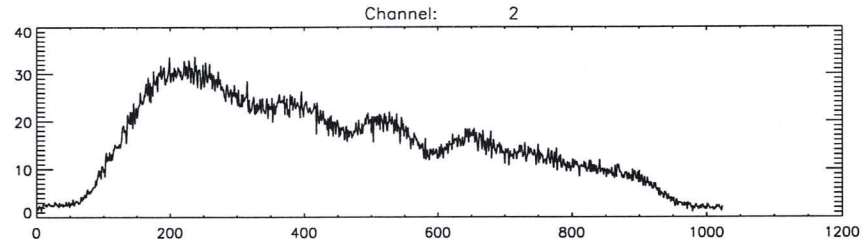
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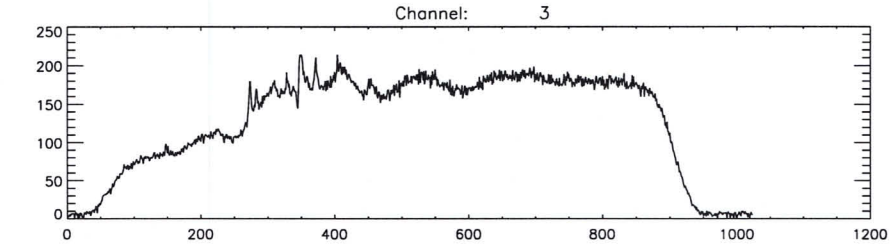
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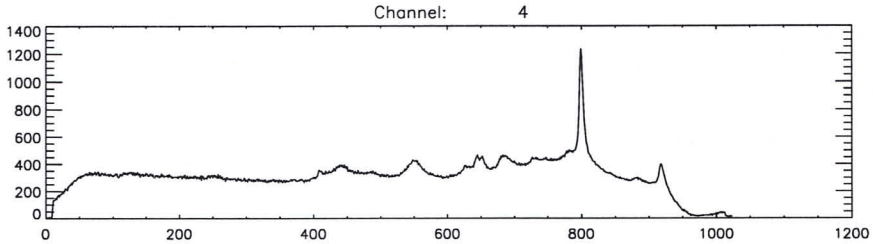
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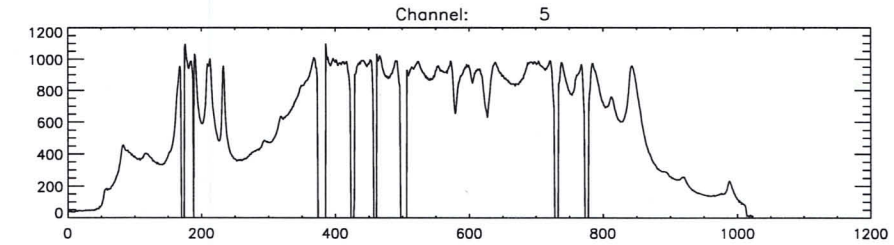
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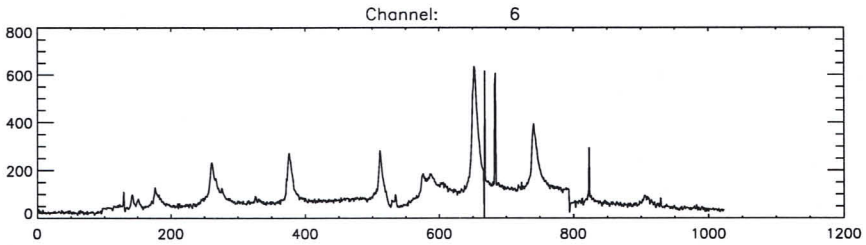
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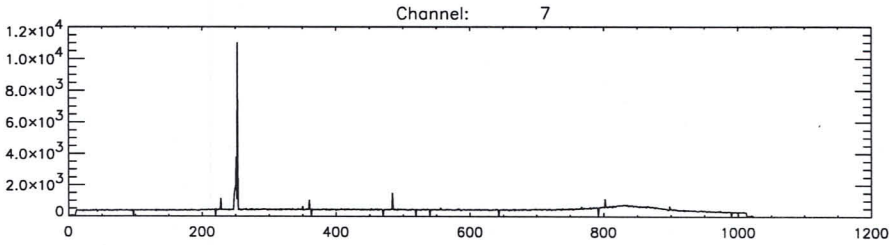
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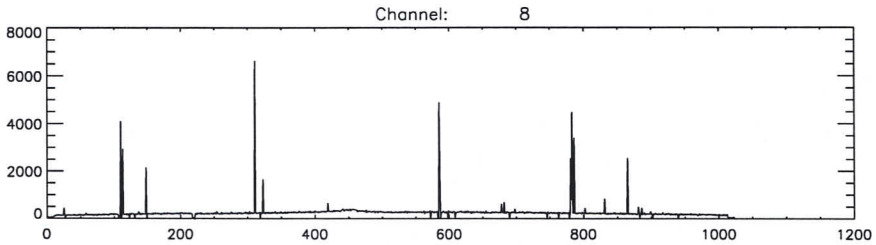
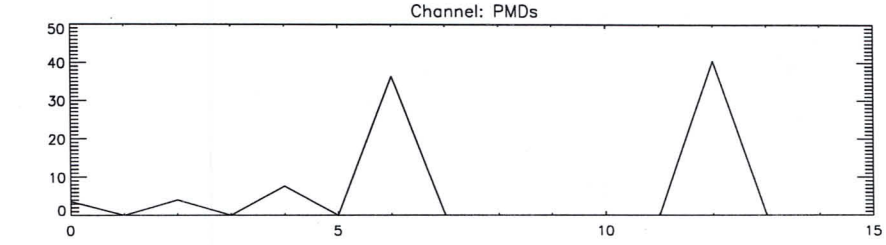
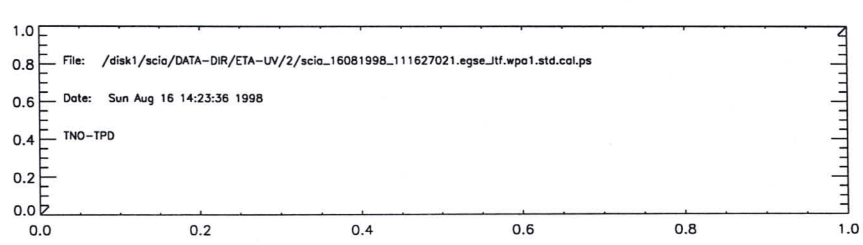

Channel: 8


Channel: PMDs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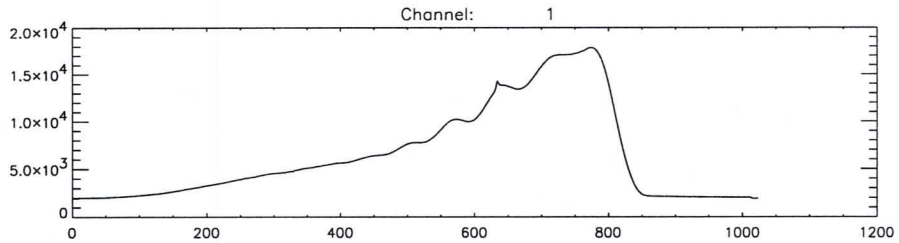
Date: Sun Aug 16 14:23:36 1998
TNO-TPD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1.0x10^4
5.0x10^3
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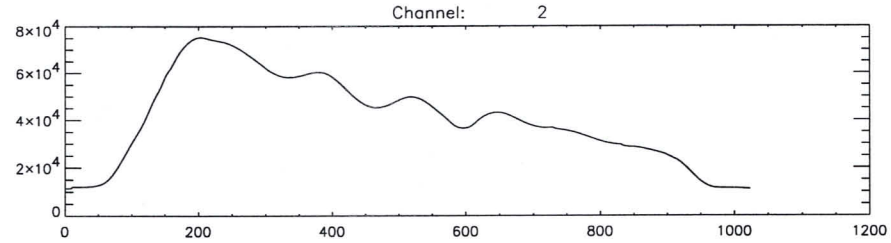
600
800
1000
1200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4x10^4
2x10^4
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400
600
800
1000
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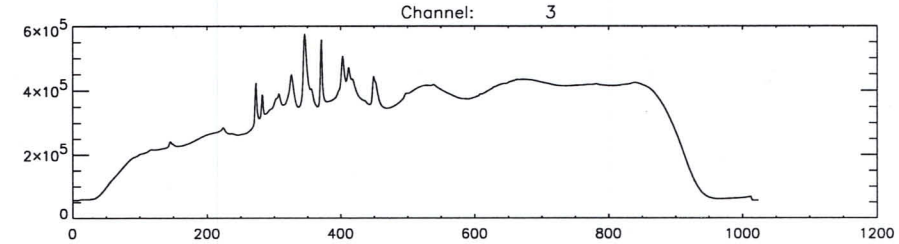
Channel: 3
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4x10^5
2x10^5
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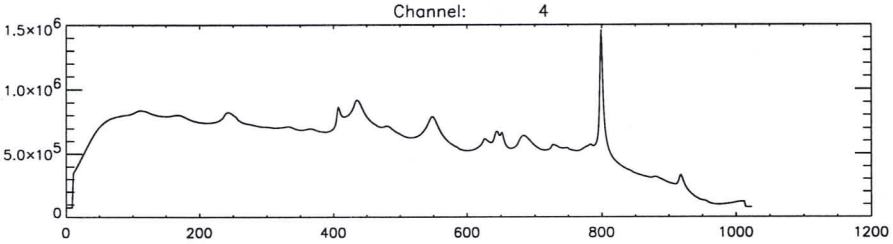
600
800
1000
1200


Channel: 4
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1.0x10^6
5.0x10^5
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600
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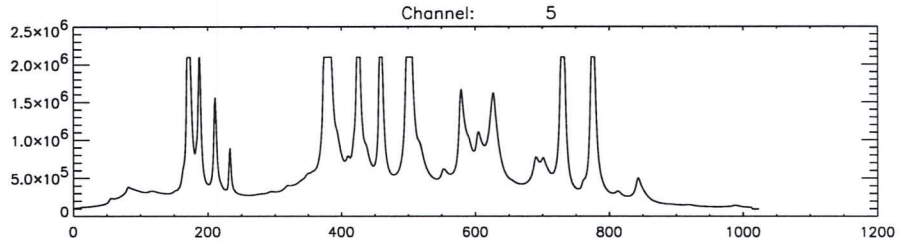
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1.5x10^6
1.0x10^6
5.0x10^5
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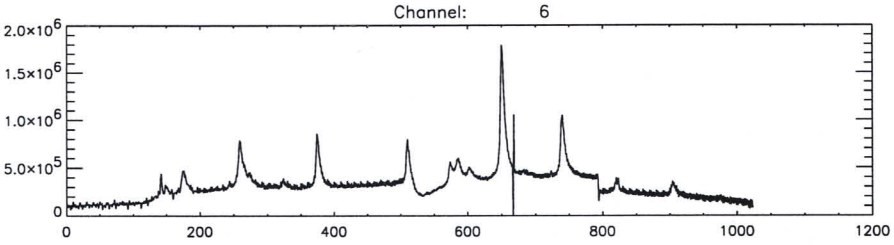
600
800
1000
1200


Channel: 6
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1.0x10^6
5.0x10^5
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600
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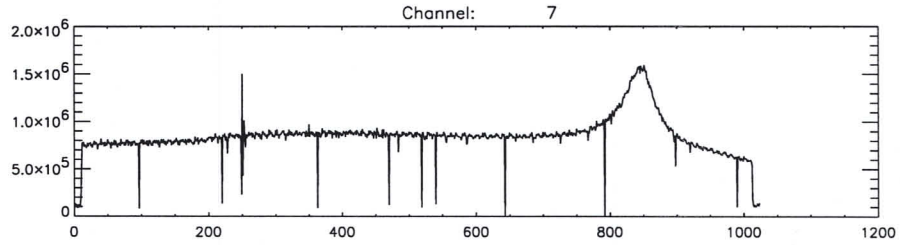
1000
1200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1.0x10^6
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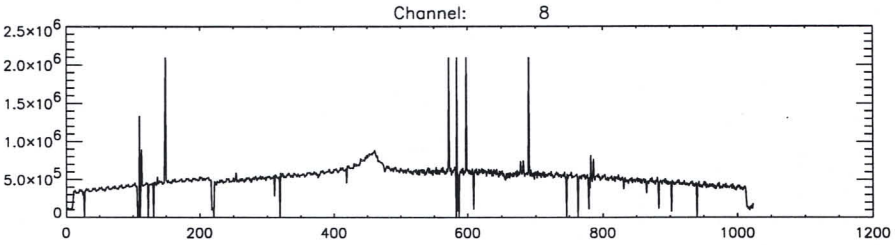
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1.5x10^6
1.0x10^6
5.0x10^5
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600
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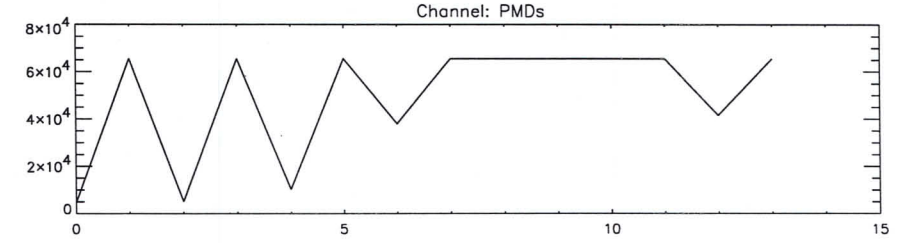
1000
1200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2x10^4
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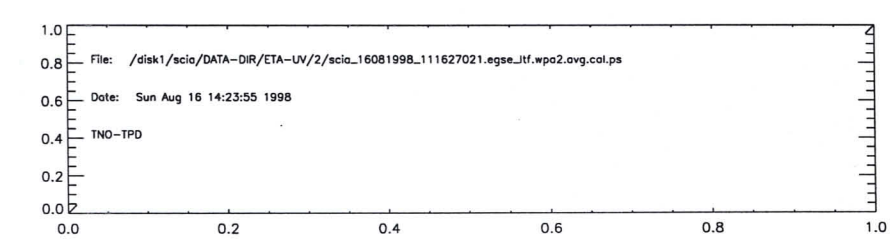
0
5
10
15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Date: Sun Aug 16 14:23:55 1998
TNO-TPD
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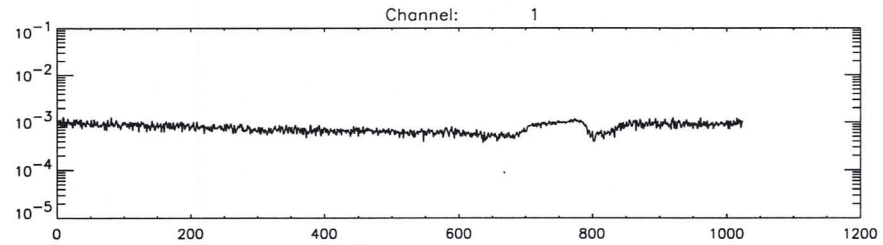
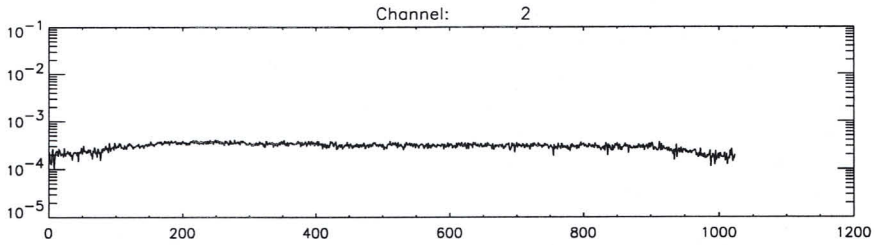
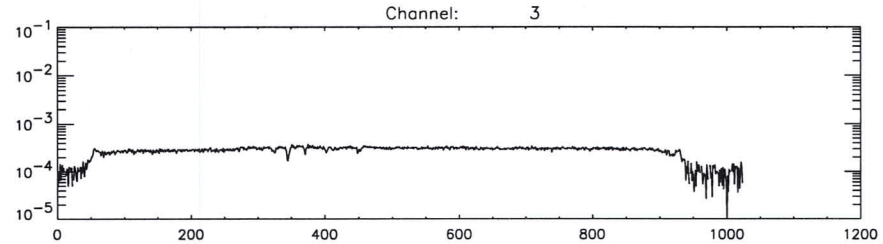
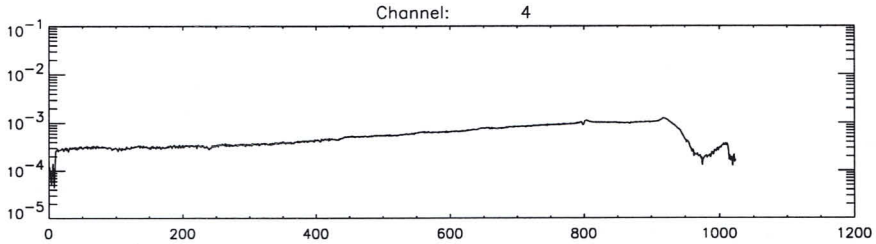
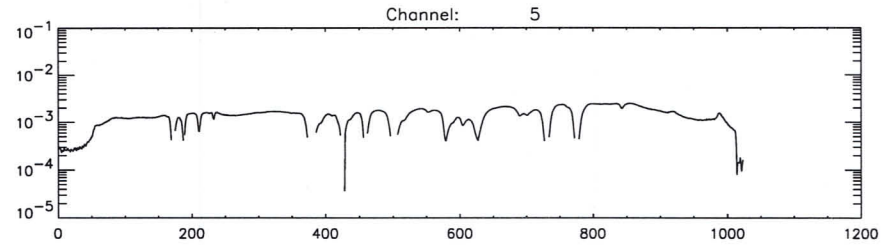
0.0
0.0
0.2
0.4
0.6
0.8
1.0

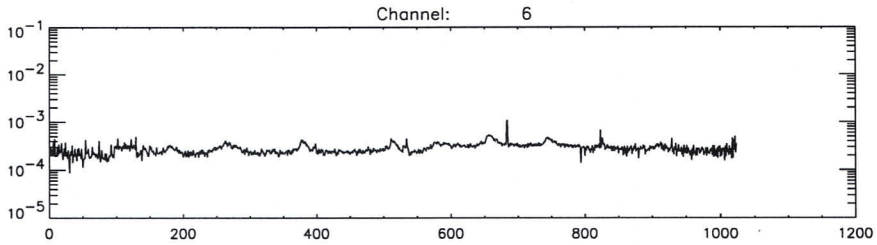

Channel: 1


Channel: 2


Channel: 3


Channel: 4


Channel: 5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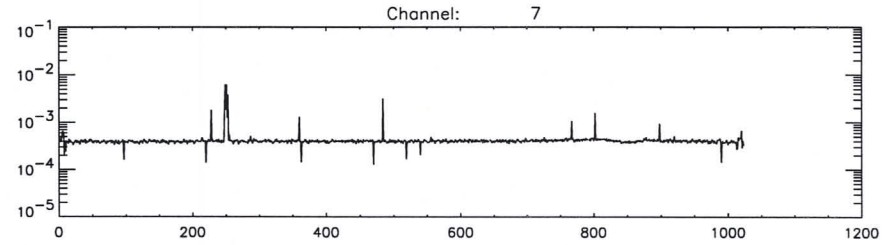
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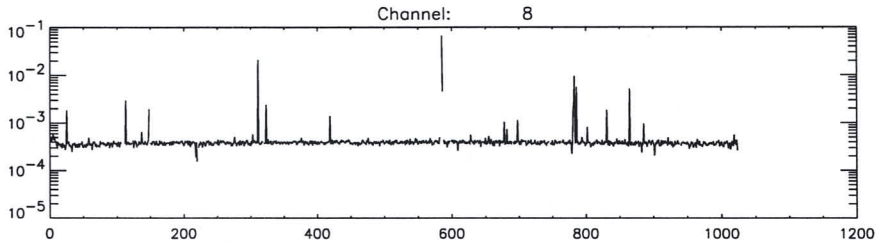
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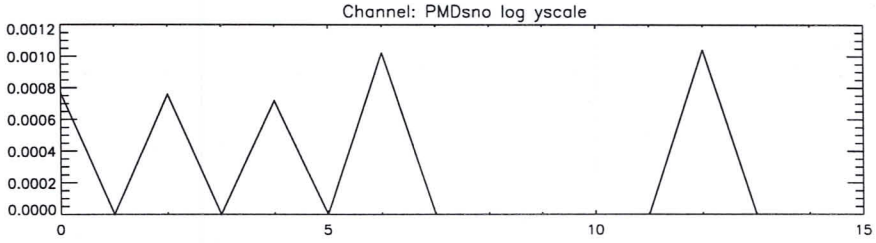
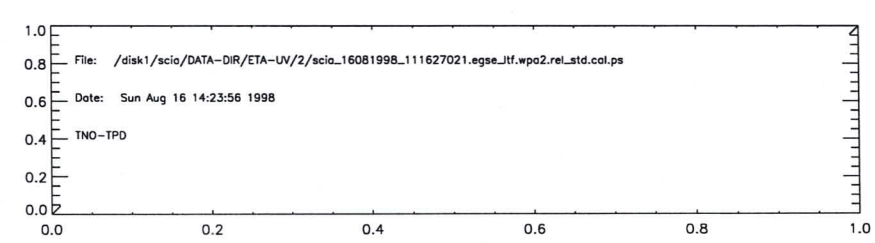

Channel: PMDsno log yscale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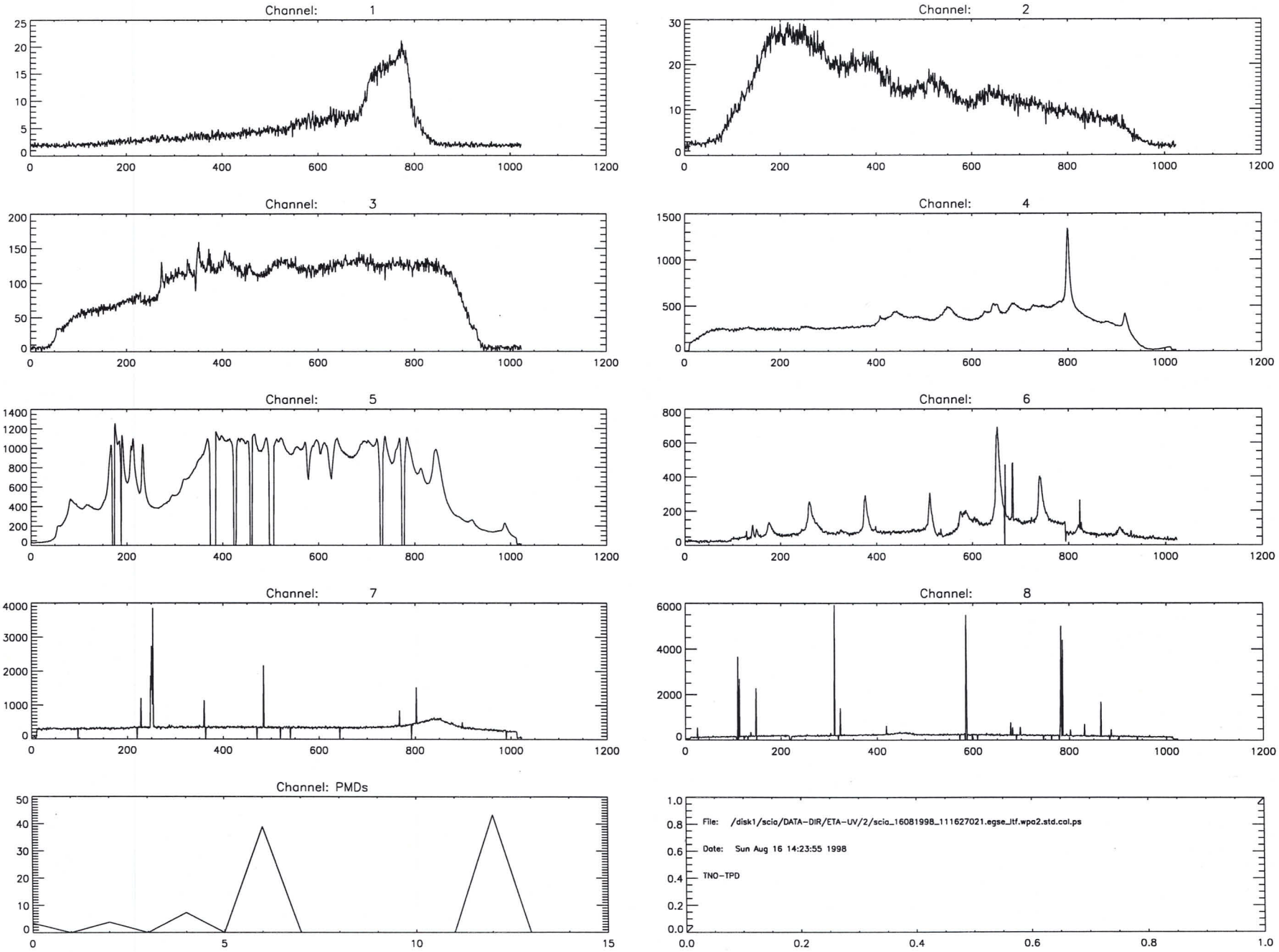
Date: Sun Aug 16 14:23:56 1998
TNO-TPD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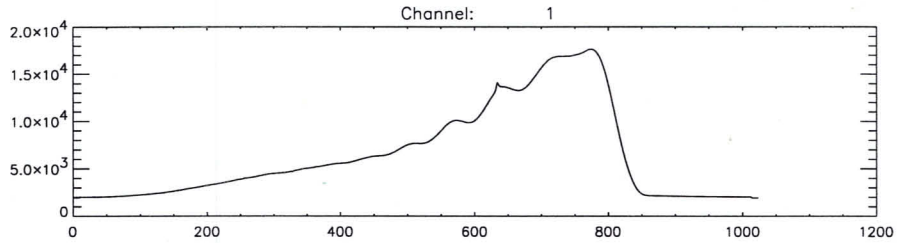
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa2.std.cal.ps
Date: Sun Aug 16 14:23:55 1998
TNO-TPD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1.0x10^4
5.0x10^3
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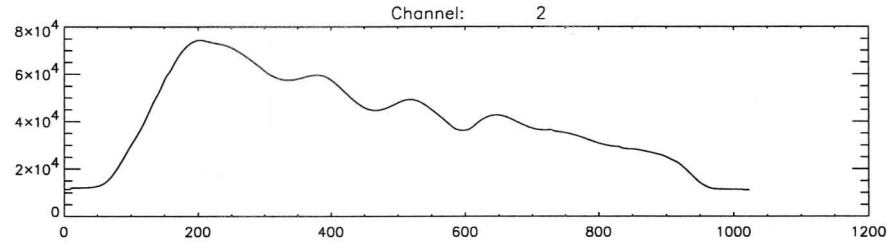
600
800
1000
1200


Channel: 2
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4x10^4
2x10^4
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0
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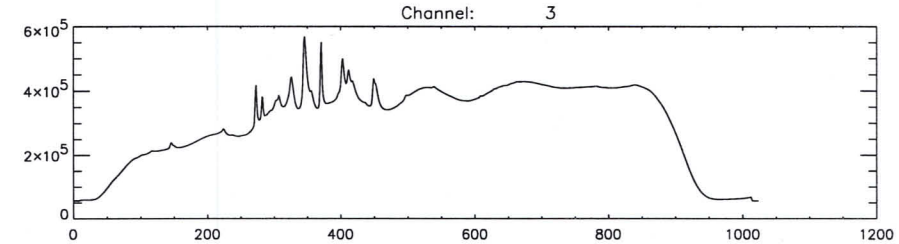
400
600
800
1000
1200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2x10^5
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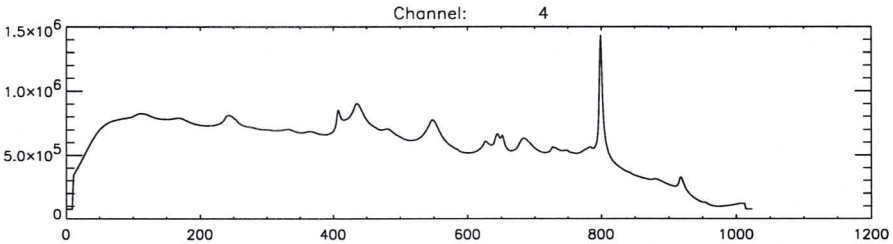
600
800
1000
1200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5.0x10^5
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600
800
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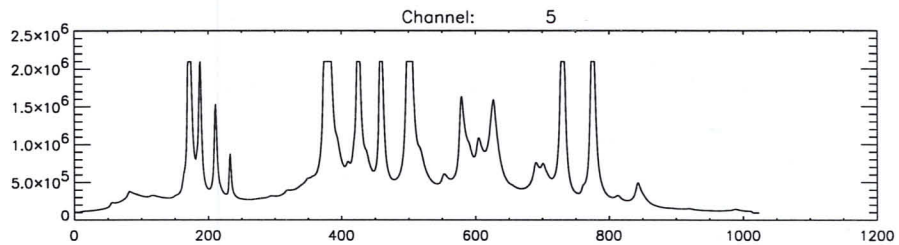
1200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1.0x10^6
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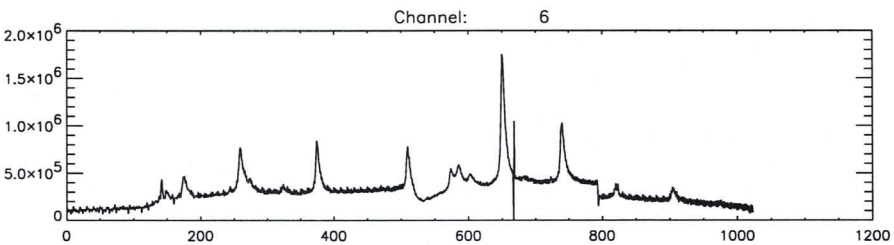
600
800
1000
1200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1.0x10^6
5.0x10^5
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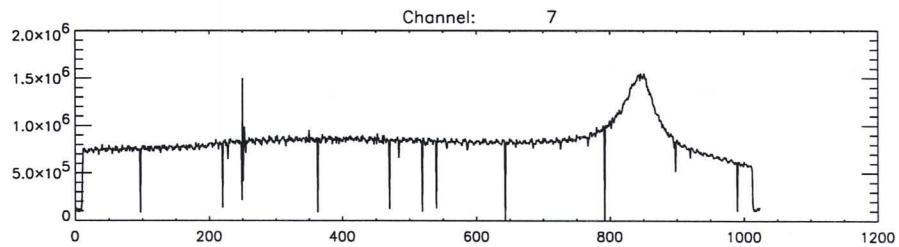
1000
1200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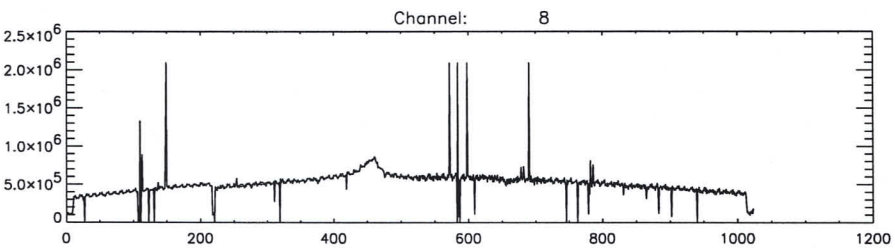
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1.0x10^6
5.0x10^5
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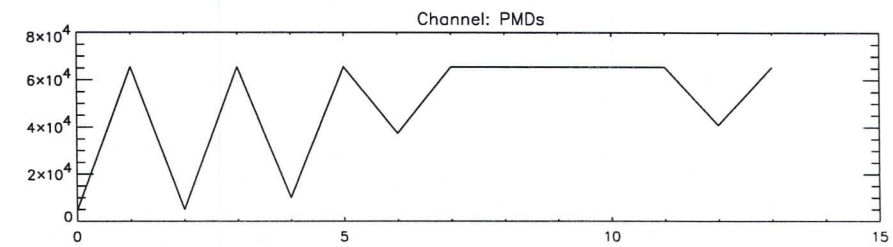
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2x10^4
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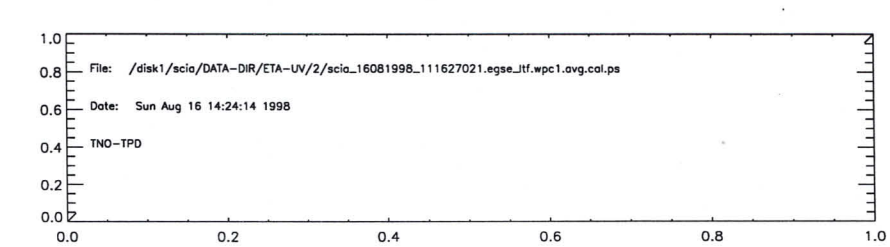
0
5
10
15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Date: Sun Aug 16 14:24:14 1998
TNO-TPD
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0.6
0.4
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0.0
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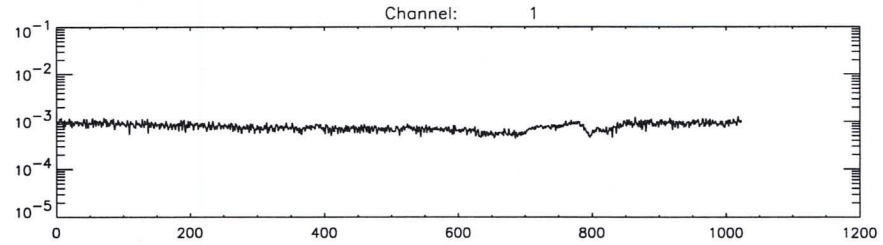
0.2
0.4
0.6
0.8
1.0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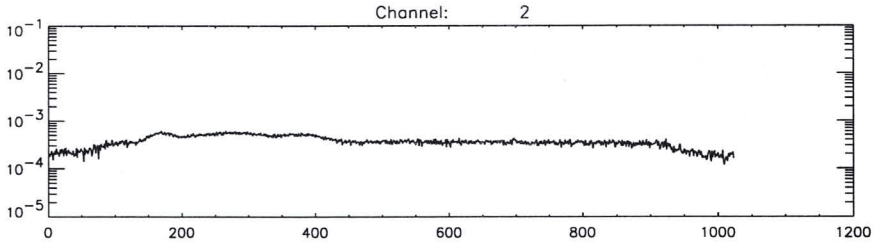
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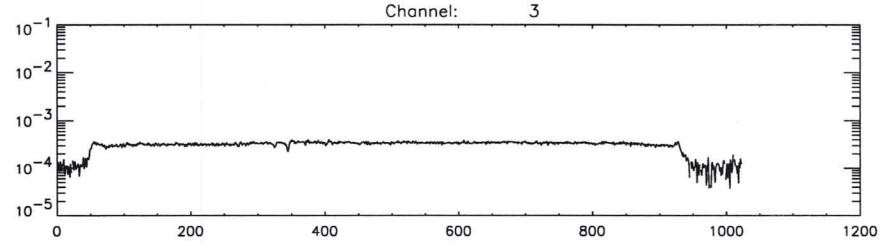
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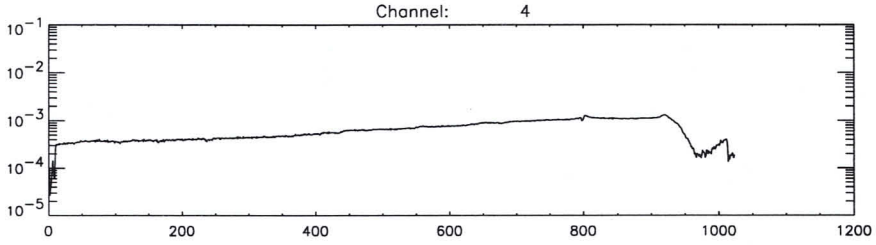
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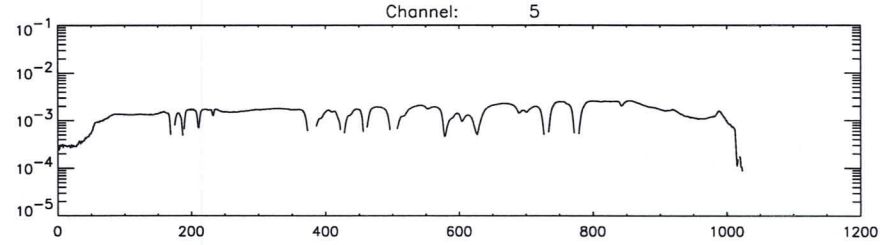
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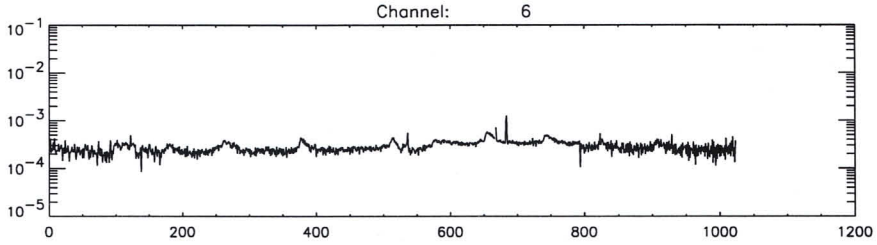
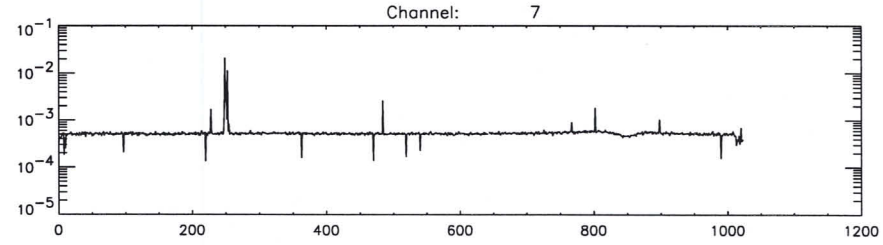
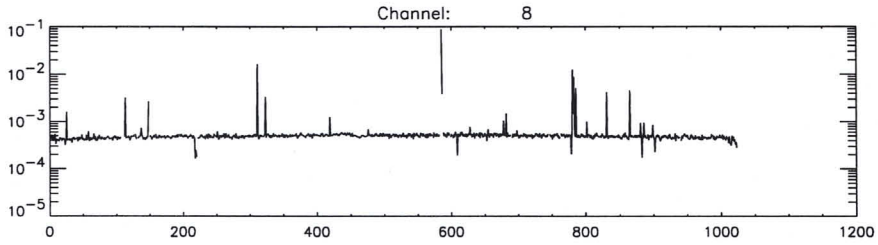

Channel: 6


Channel: 7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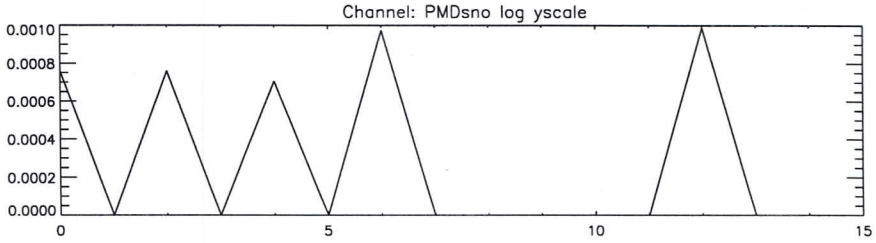
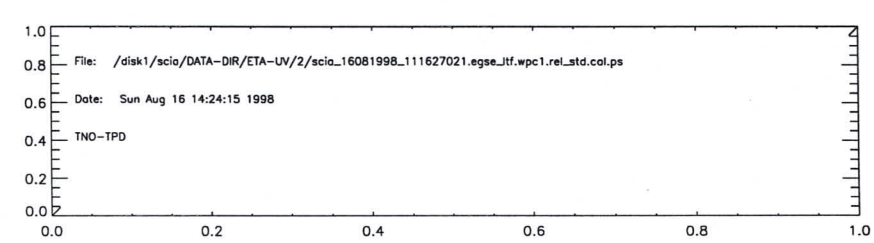

Channel: PMDsno log yscale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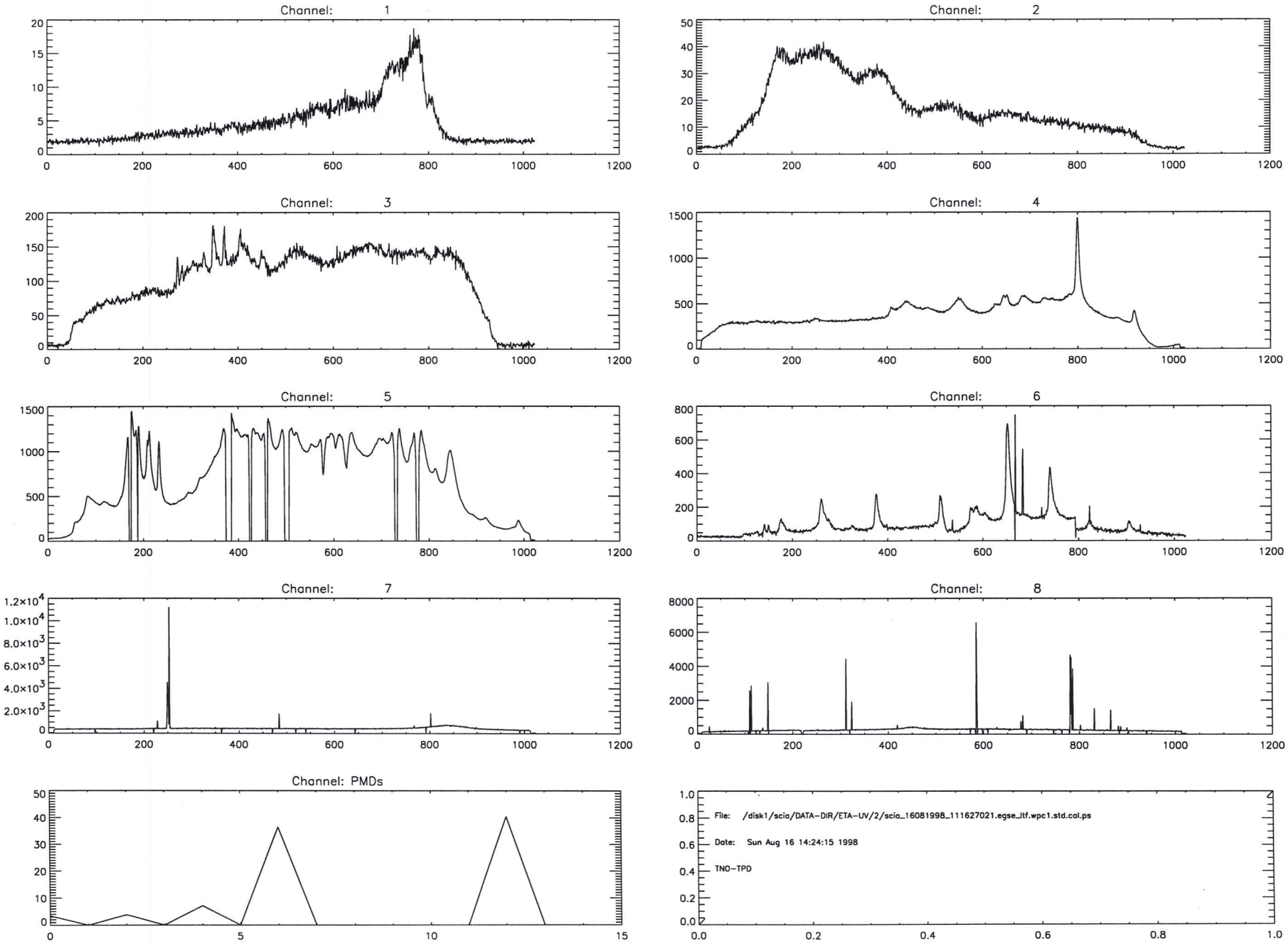
Date: Sun Aug 16 14:24:15 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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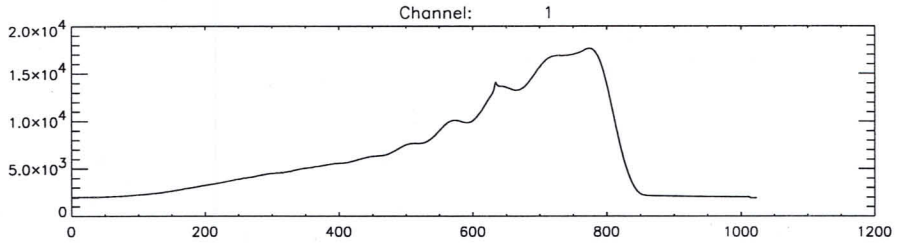
TNO-TPD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1.0x10^4
5.0x10^3
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0
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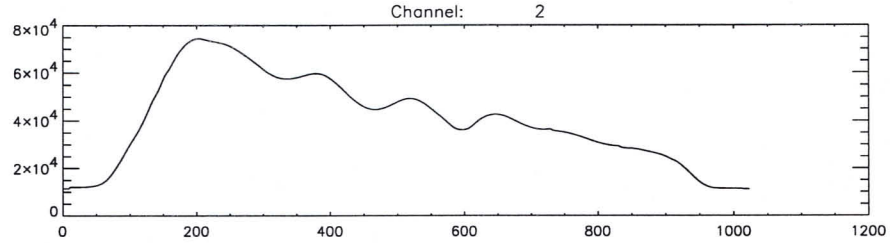
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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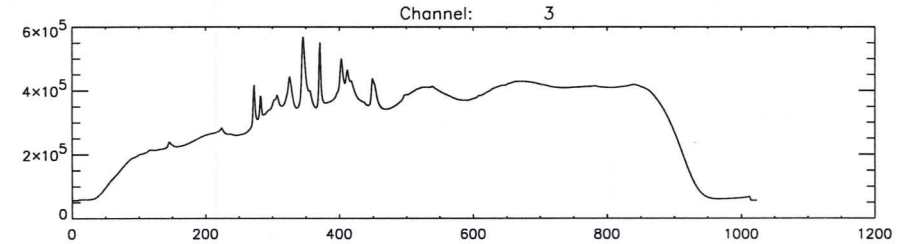
0
200
400
600
800
1000
1200


Channel: 3
6x10^5
4x10^5
2x10^5
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600
800
1000
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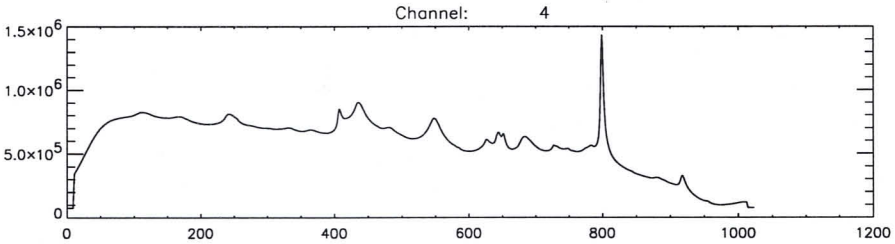
Channel: 4
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1.0x10^6
5.0x10^5
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1000
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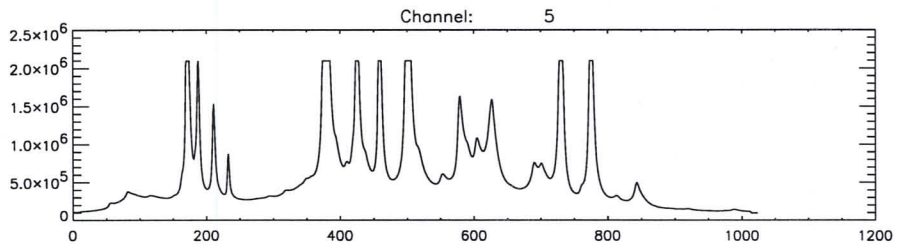
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1.0x10^6
5.0x10^5
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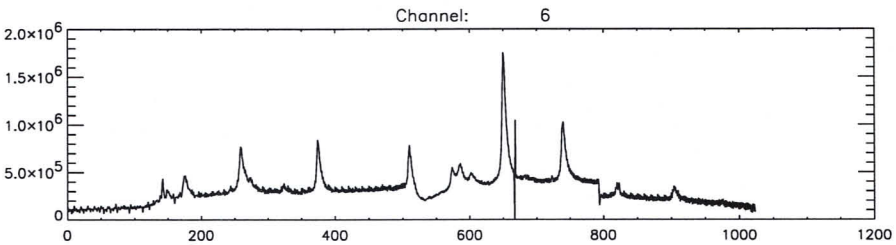
Channel: 6
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1.0x10^6
5.0x10^5
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1000
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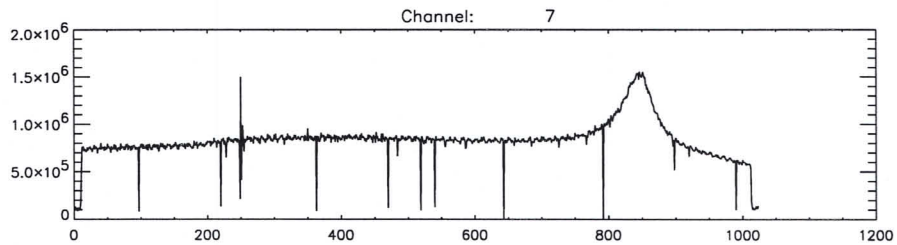
Channel: 7
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1.0x10^6
5.0x10^5
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600
800
1000
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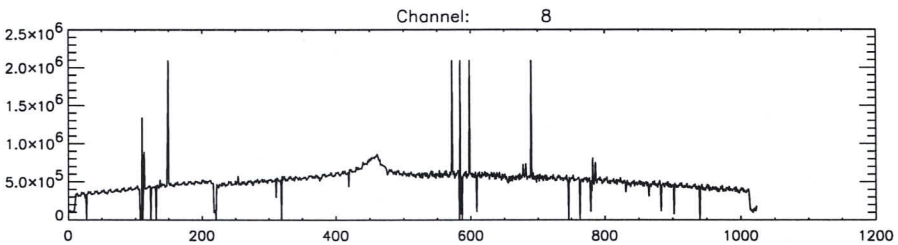
Channel: 8
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
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600
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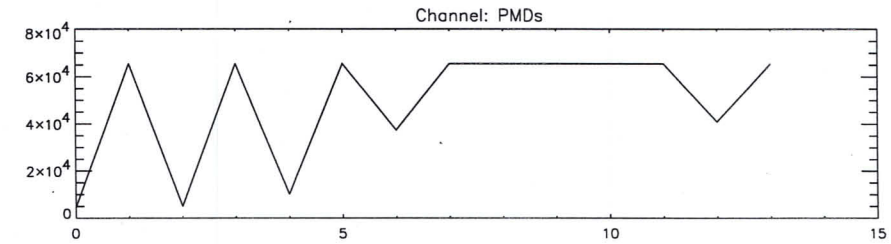
1000
1200


Channel: PMDs
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6x10^4
4x10^4
2x10^4
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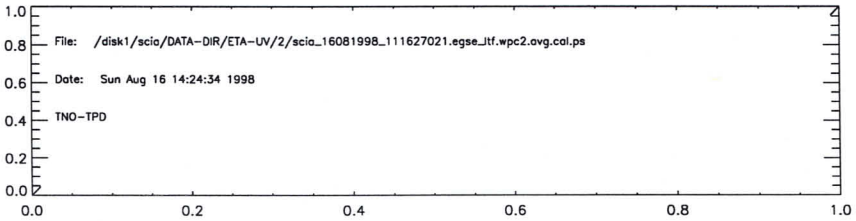
0
5
10
15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Date: Sun Aug 16 14:24:34 1998
TNO-TPD
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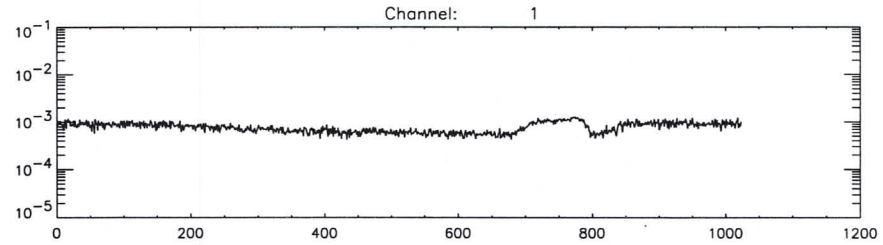
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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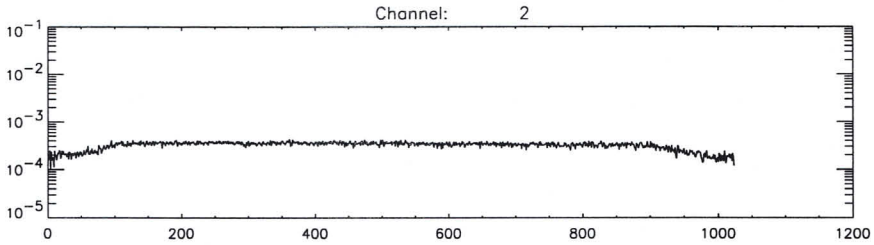
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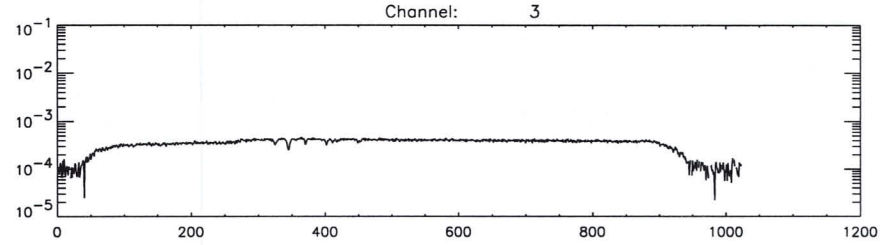
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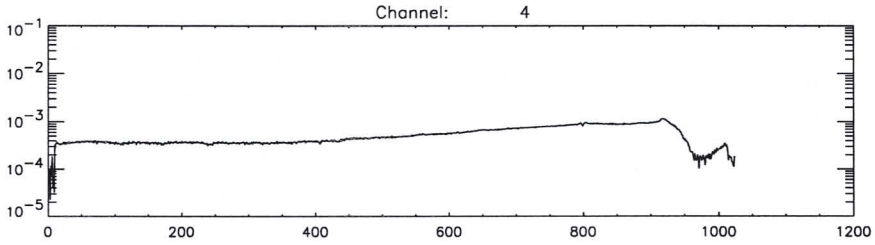
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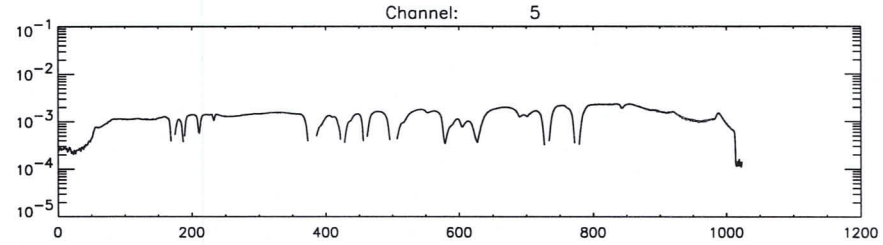
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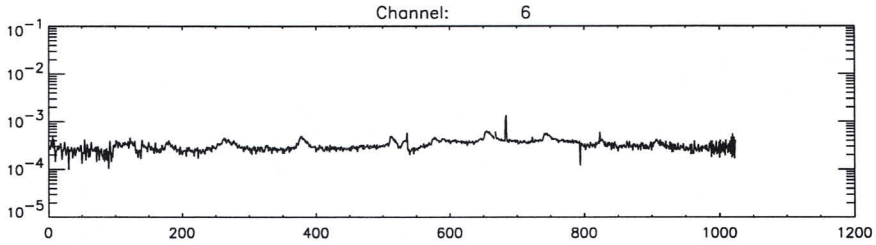
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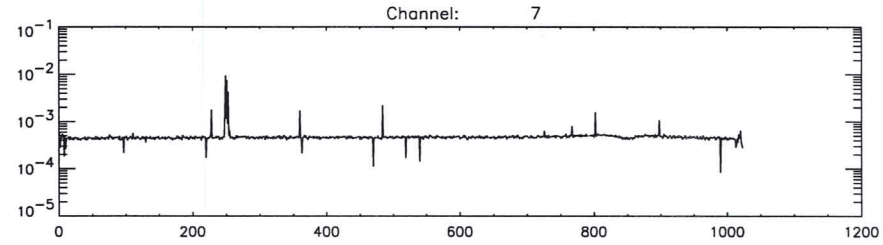
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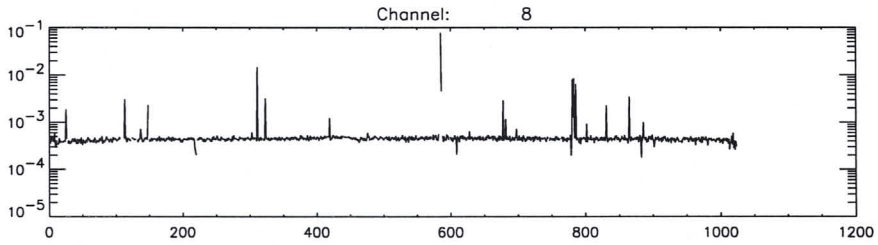
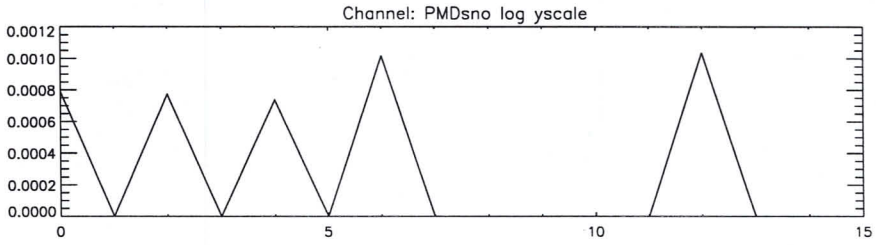
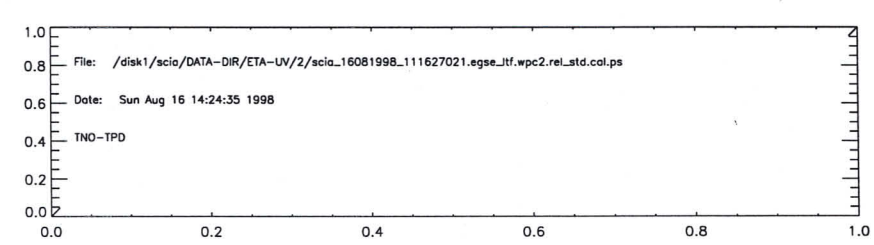

Channel: 8


Channel: PMDsno log yscale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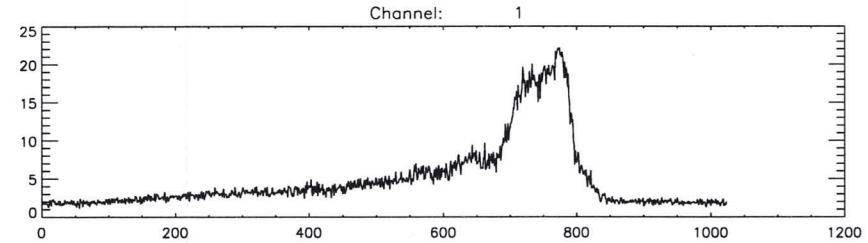
Date: Sun Aug 16 14:24:35 1998
TNO-TPD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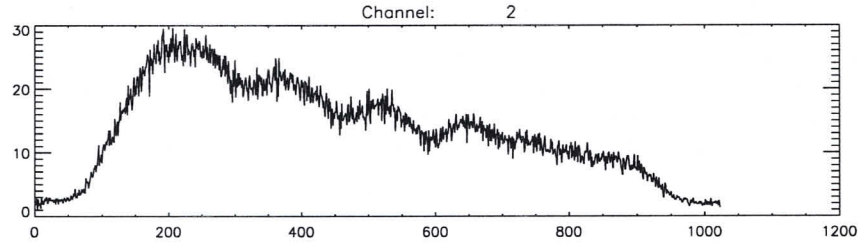
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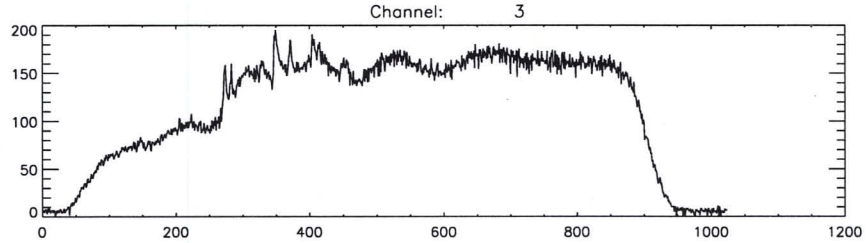
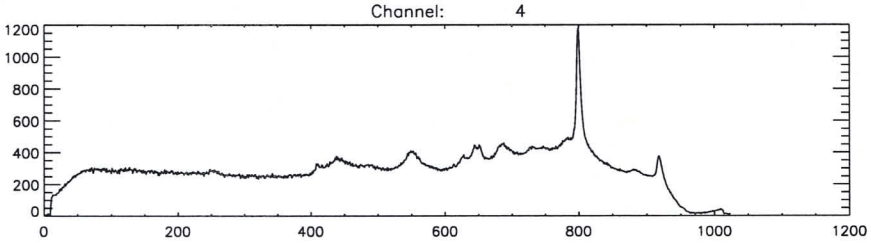

Channel: 3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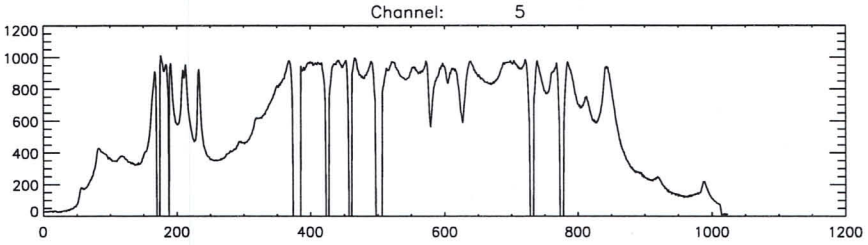
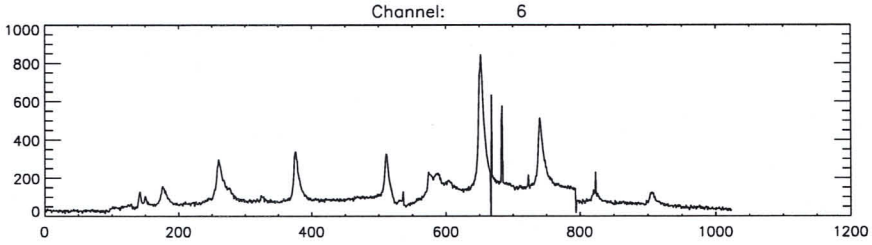

Channel: 5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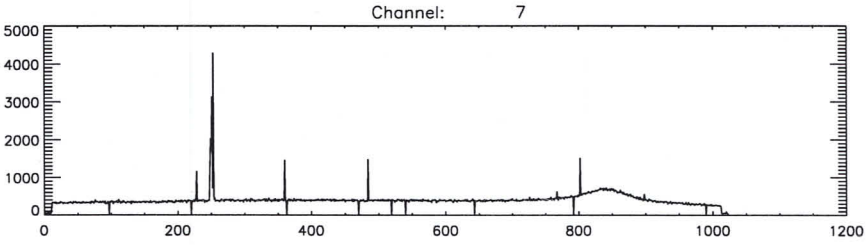
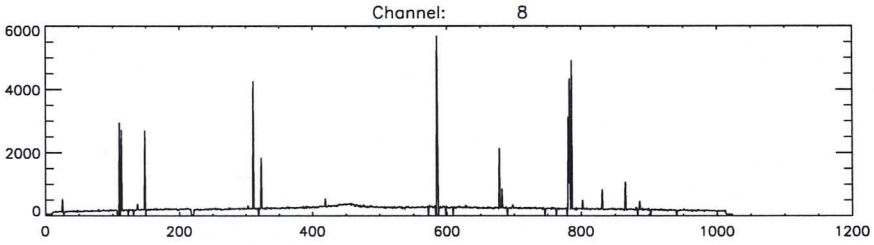
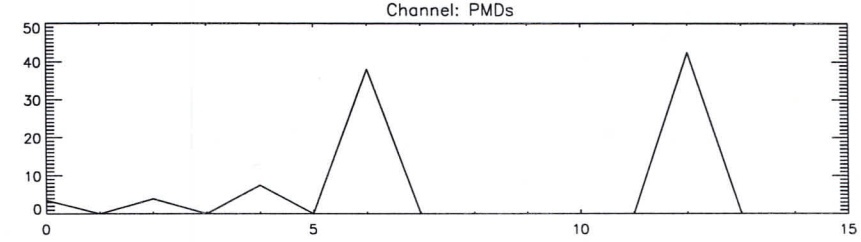
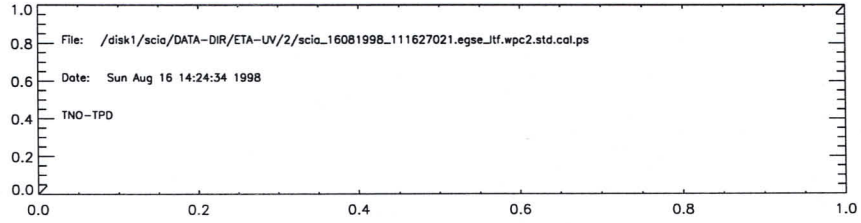
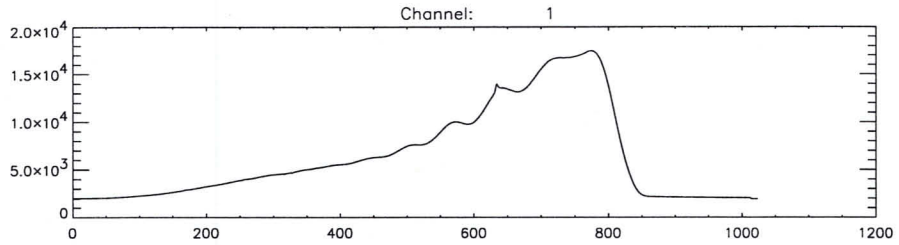

Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc2.std.cal.ps
Date: Sun Aug 16 14:24:34 1998
TNO-TPD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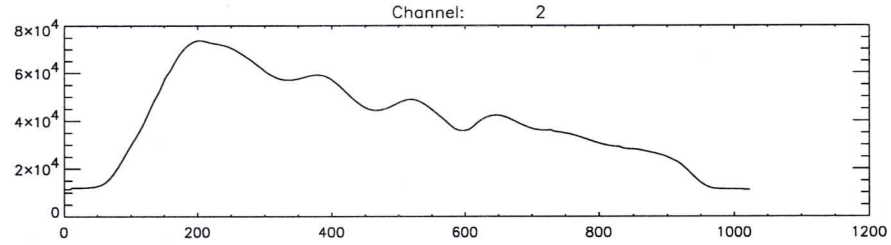
1000
1200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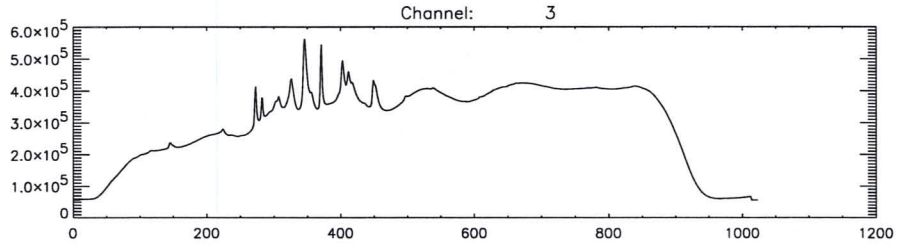
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4.0x10^5
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600
800
1000
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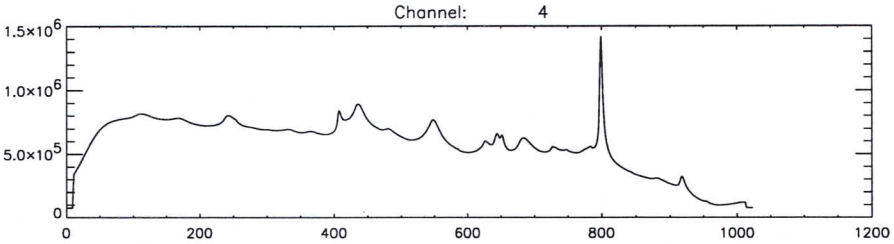
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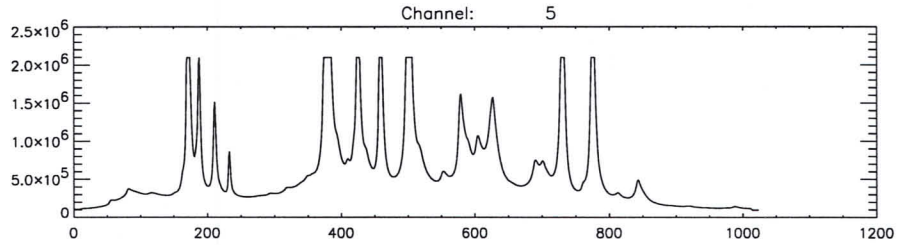
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5.0x10^5
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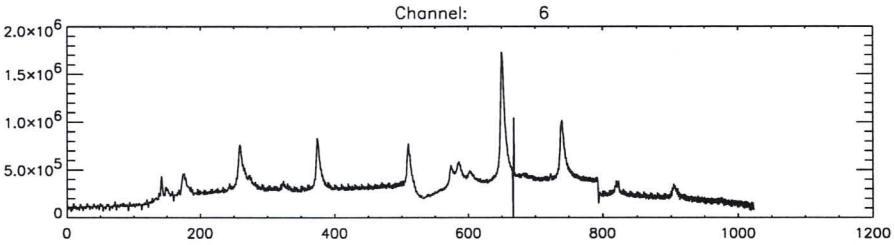
1000
1200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1.0x10^6
5.0x10^5
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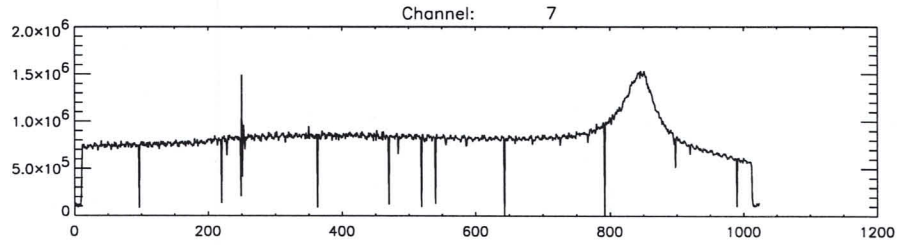
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1.0x10^6
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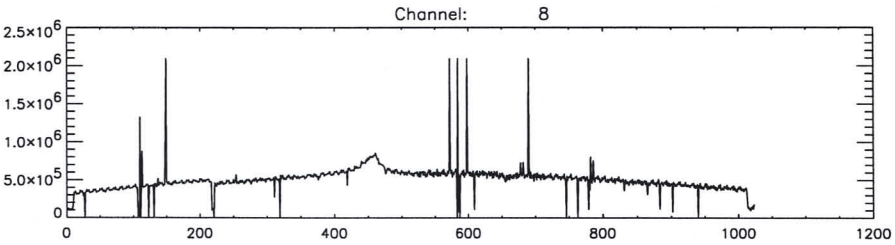
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1.0x10^6
5.0x10^5
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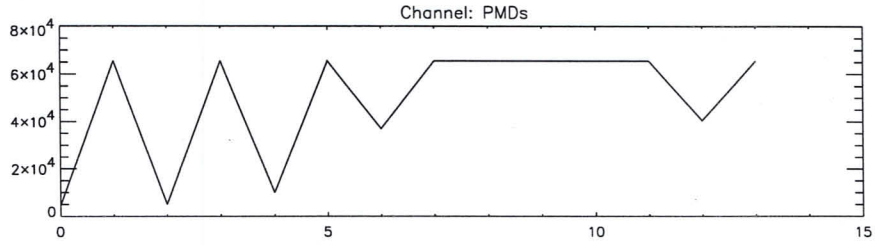
1000
1200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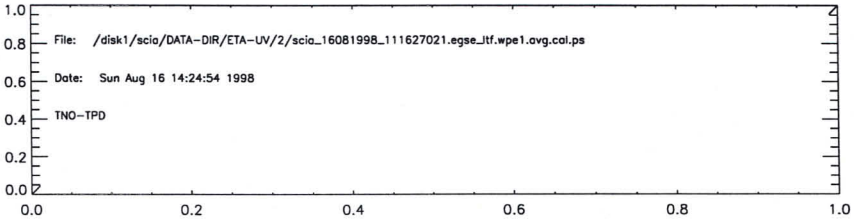
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe1.avg.cal.ps
Date: Sun Aug 16 14:24:54 1998
TNO-TPD
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0.0
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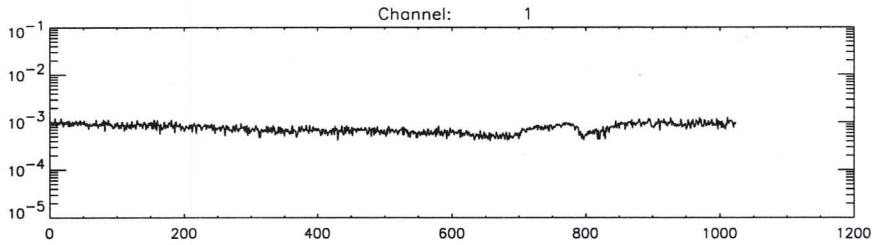
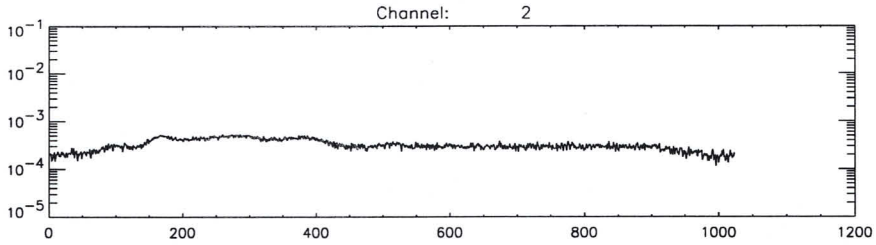
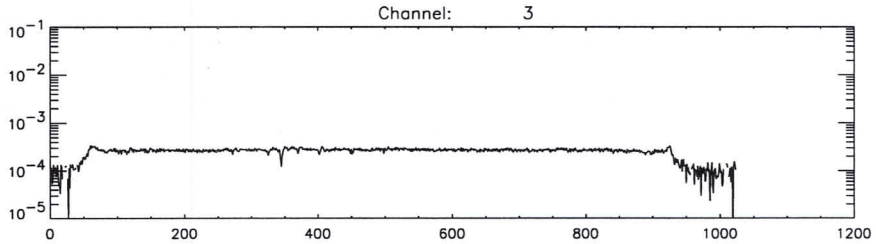
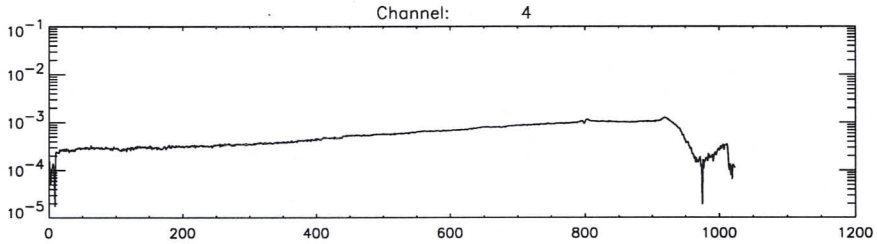
0.2
0.4
0.6
0.8
1.0


Channel: 1


Channel: 2


Channel: 3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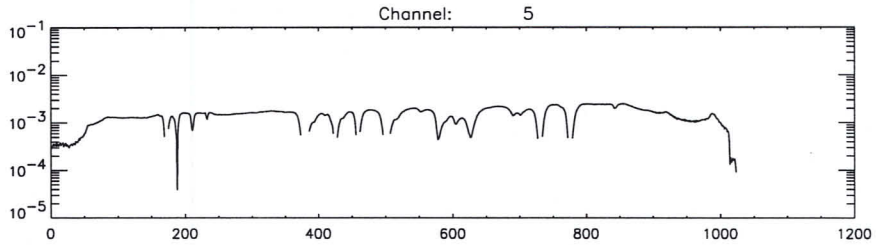
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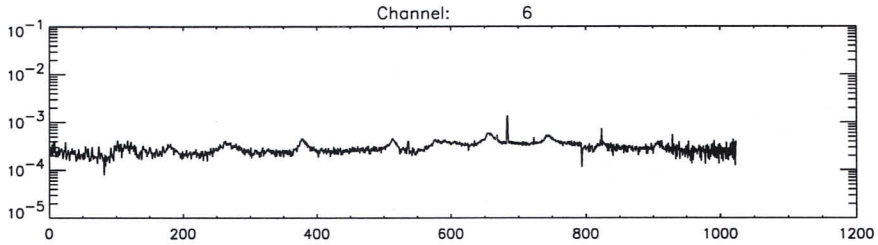
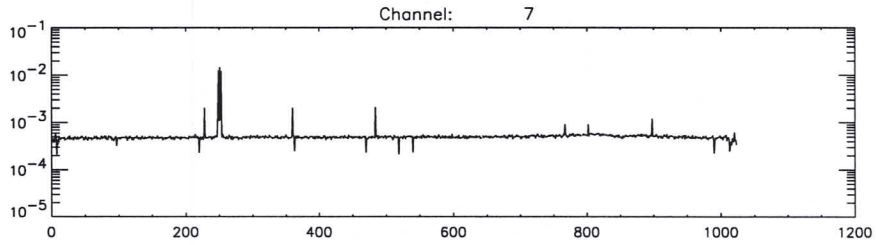
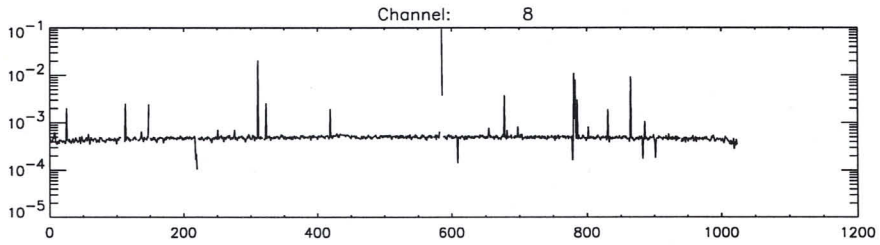
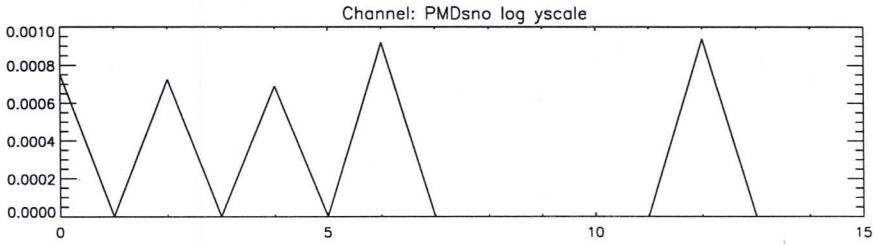
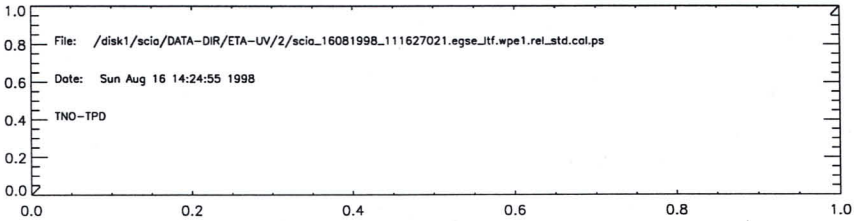
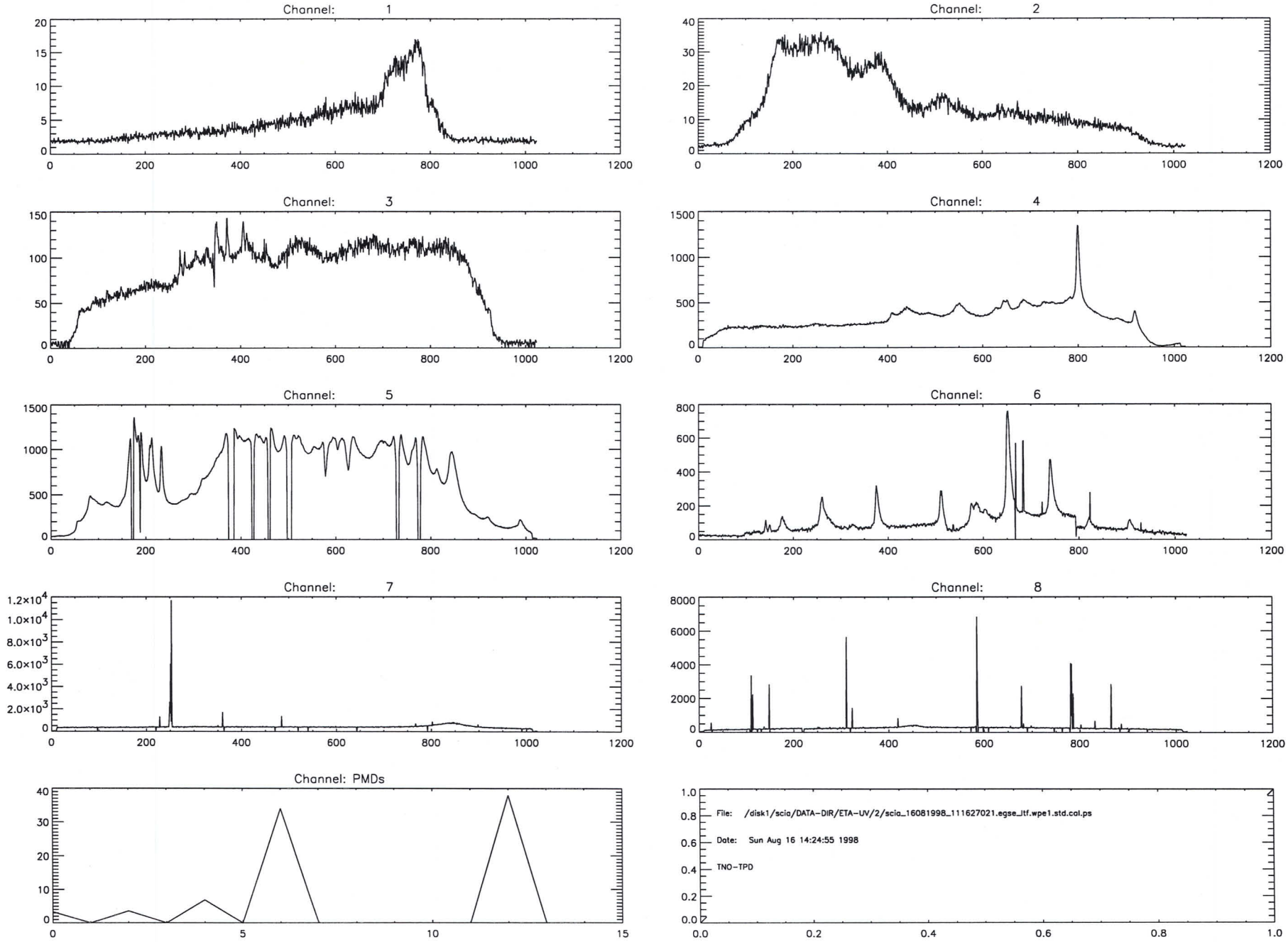

Channel: 6

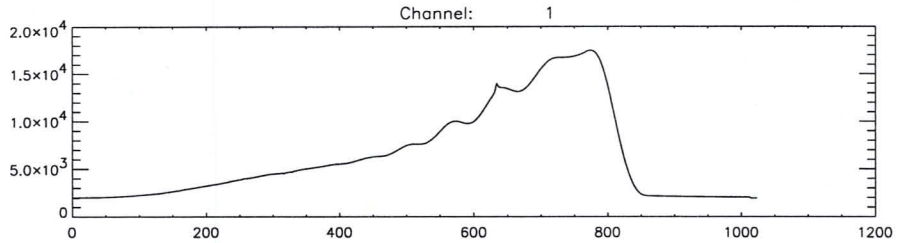

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe1.rel_std.cal.ps
Date: Sun Aug 16 14:24:55 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe1.std.cal.ps
Date: Sun Aug 16 14:24:55 1998
TNO-TPD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1.0x10^4
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1000
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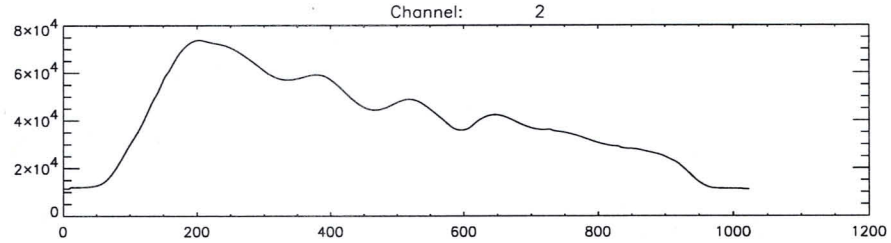
Channel: 2
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2x10^4
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400
600
800
1000
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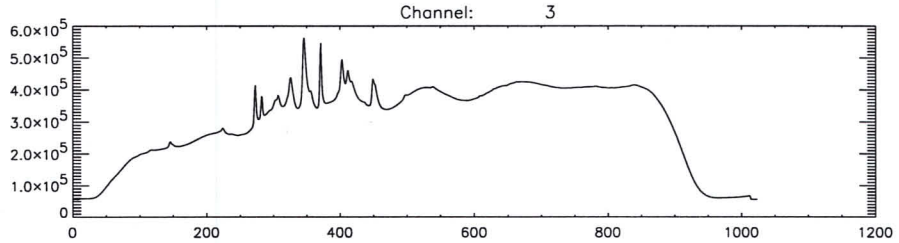
Channel: 3
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3.0x10^5
2.0x10^5
1.0x10^5
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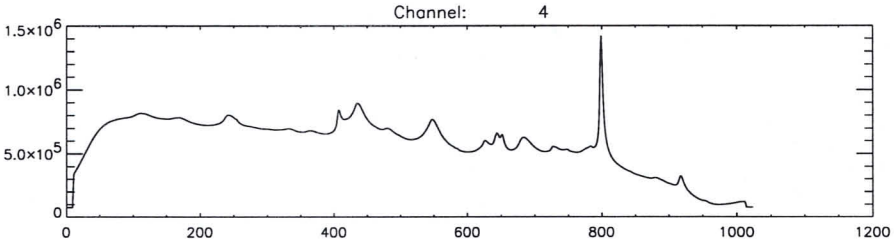
600
800
1000
1200


Channel: 4
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1.0x10^6
5.0x10^5
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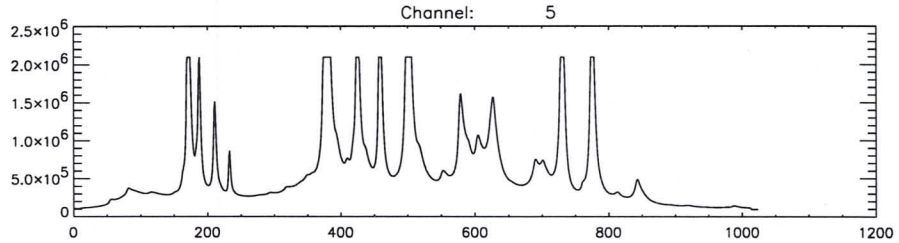
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1.0x10^6
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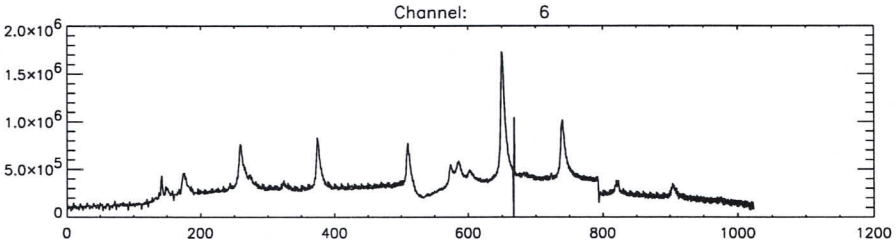
Channel: 6
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1.0x10^6
5.0x10^5
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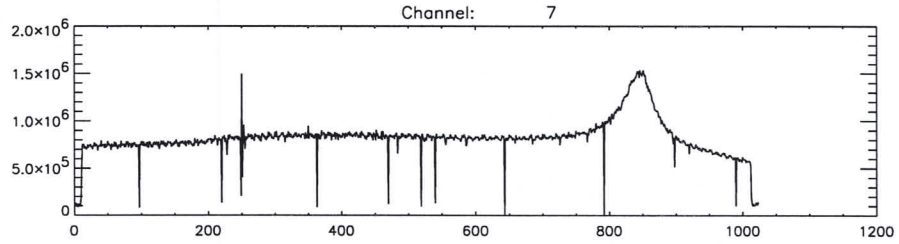
1000
1200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1.0x10^6
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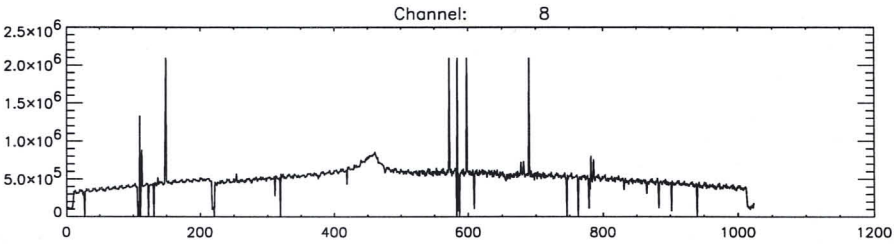
Channel: 8
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1.0x10^6
5.0x10^5
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1000
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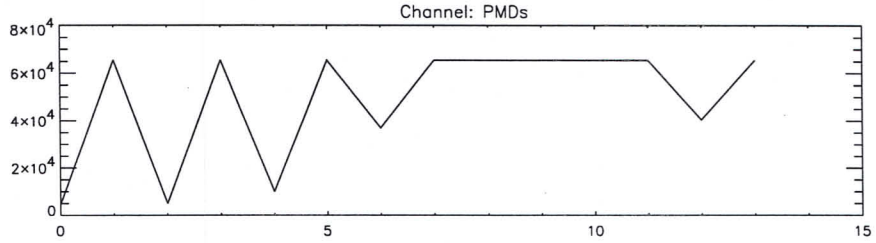
Channel: PMDs
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2x10^4
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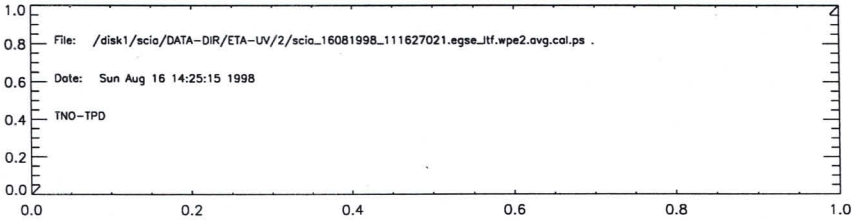
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe2.avg.cal.ps .
Date: Sun Aug 16 14:25:15 1998
TNO-TPD
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0.6
0.4
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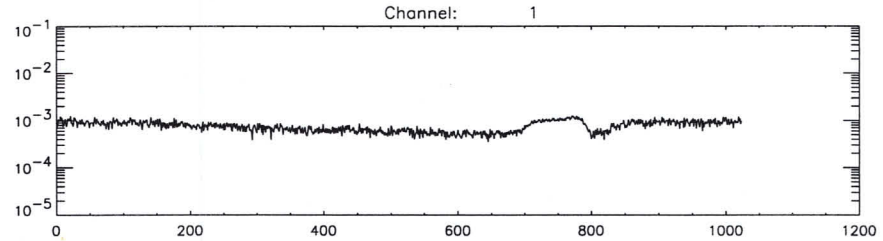
0.2
0.4
0.6
0.8
1.0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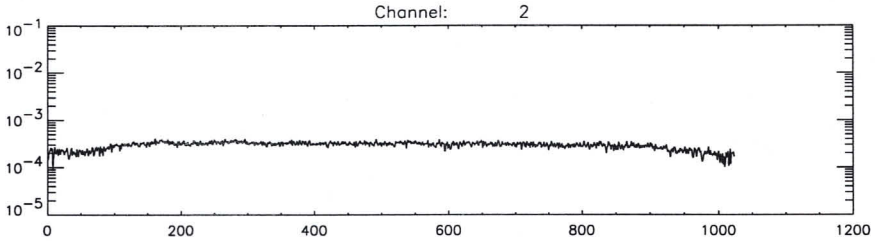
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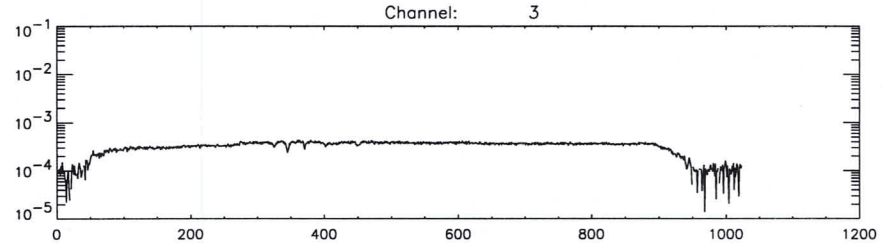
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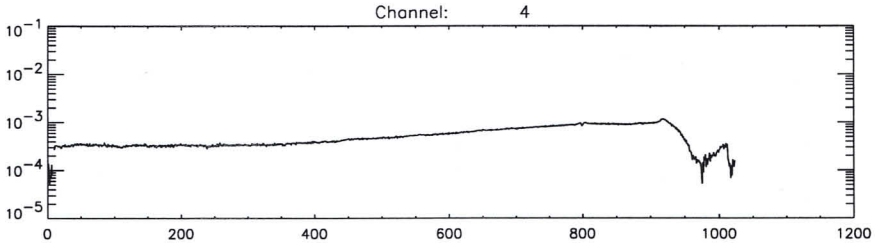
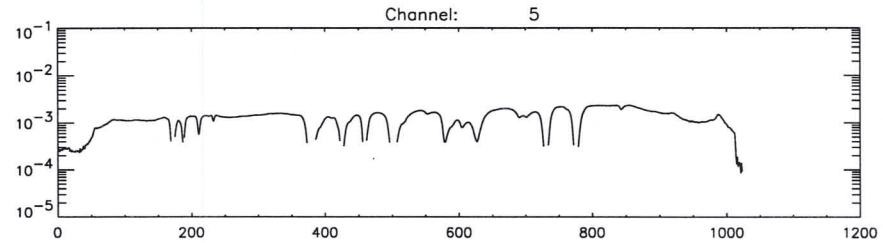
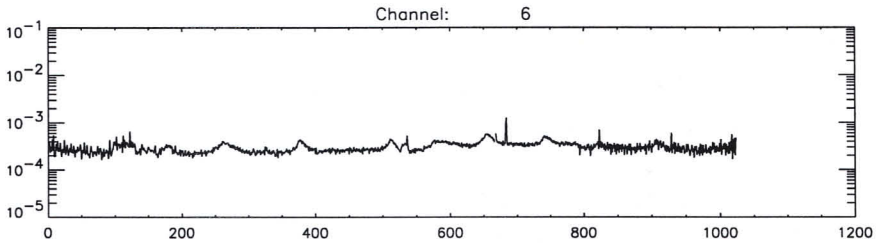
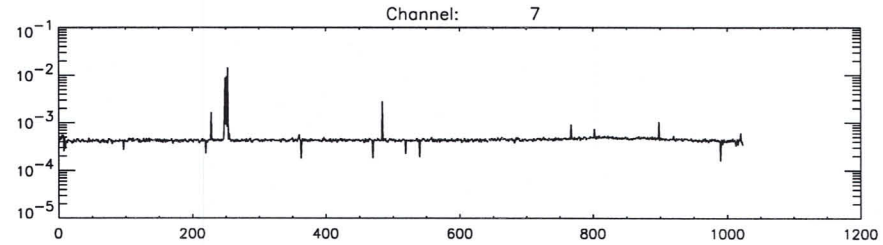
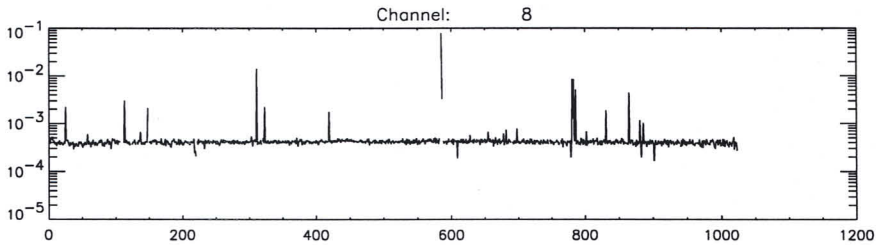
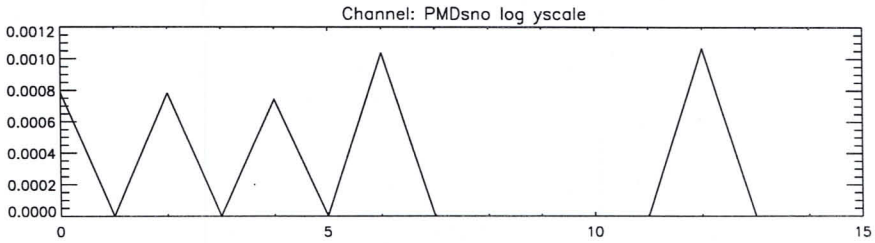

Channel: 4

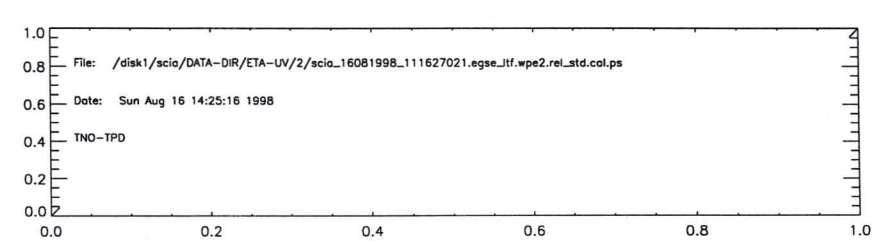

Channel: 5

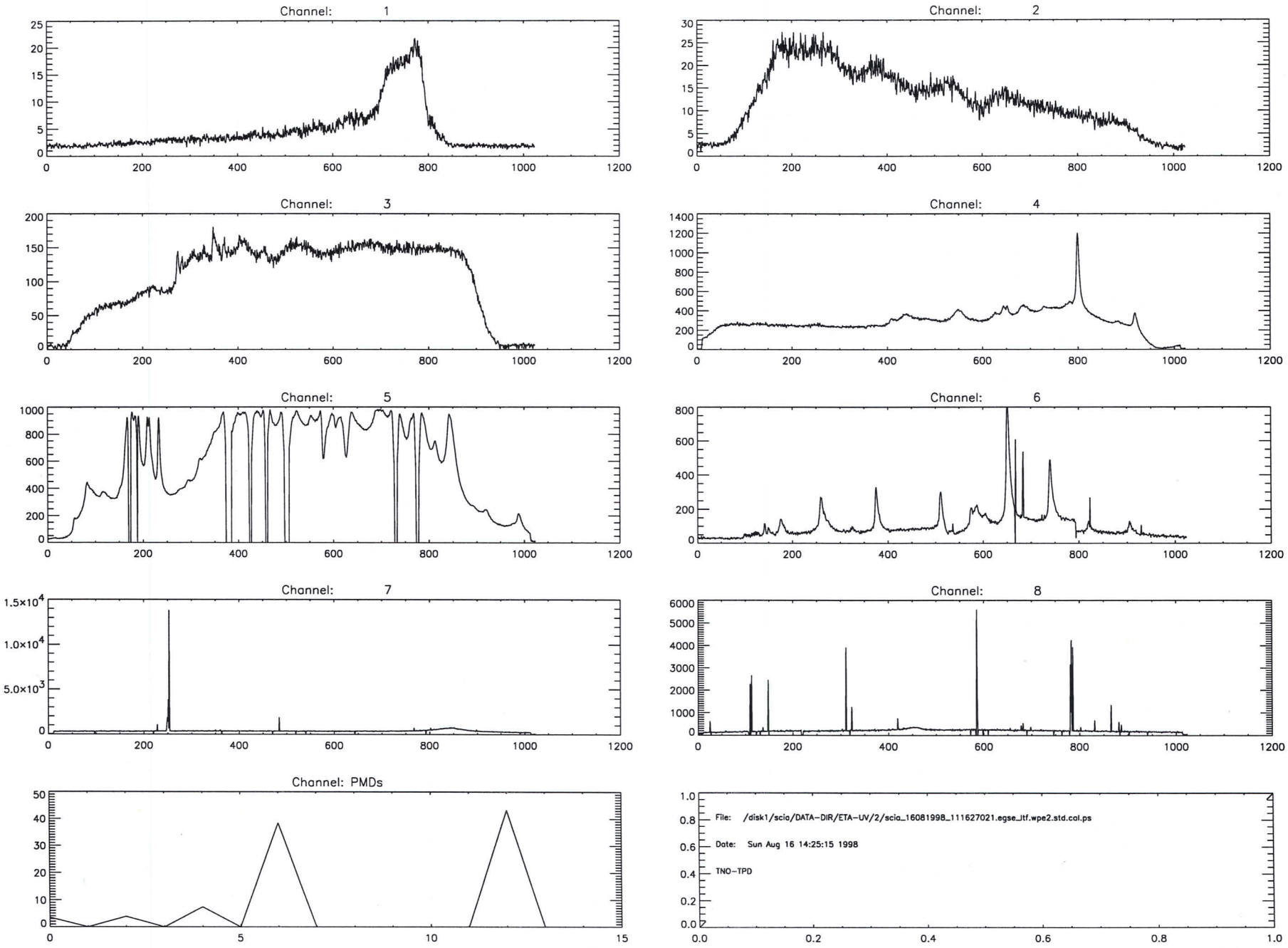

Channel: 6

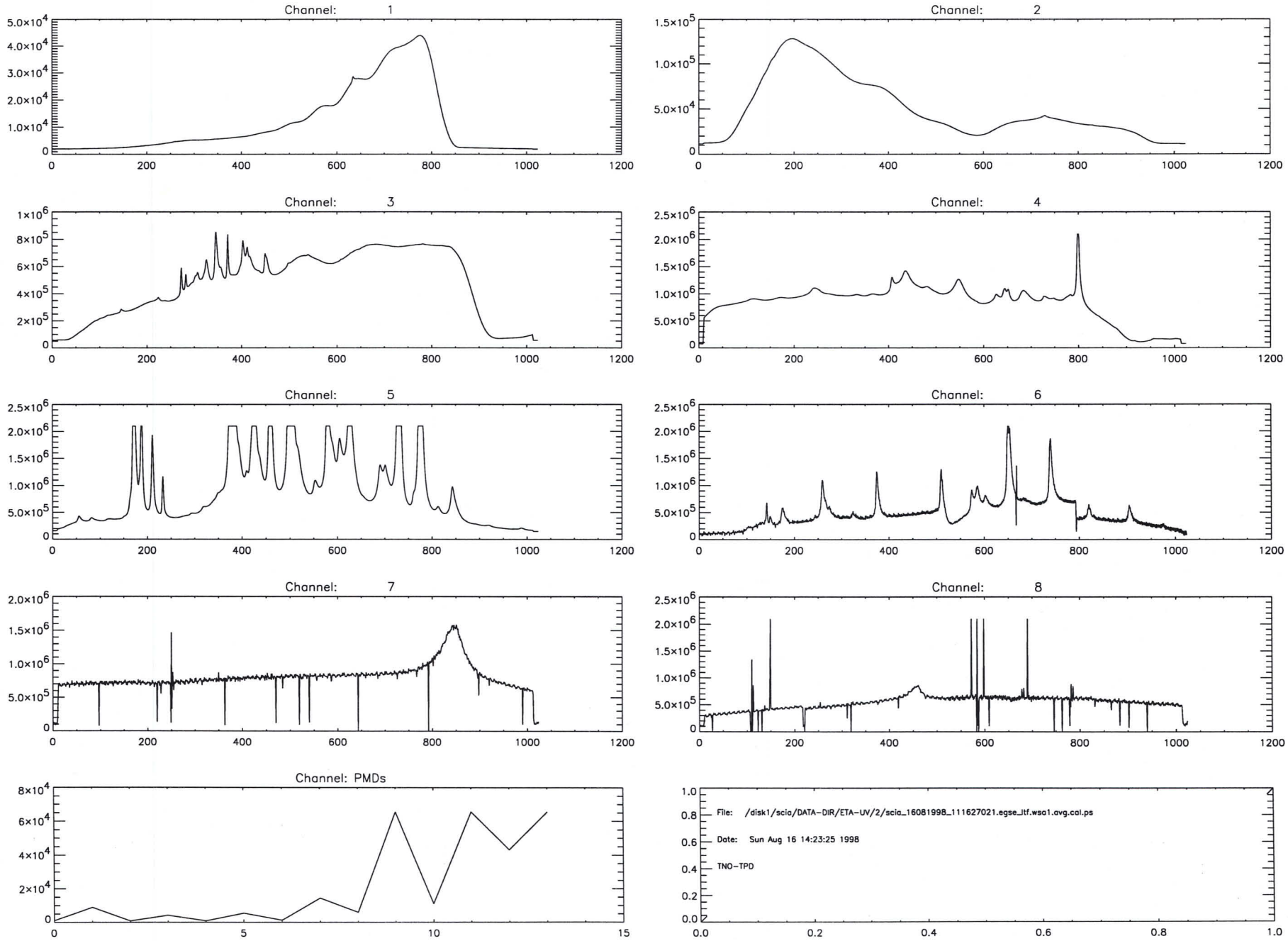

Channel: 7

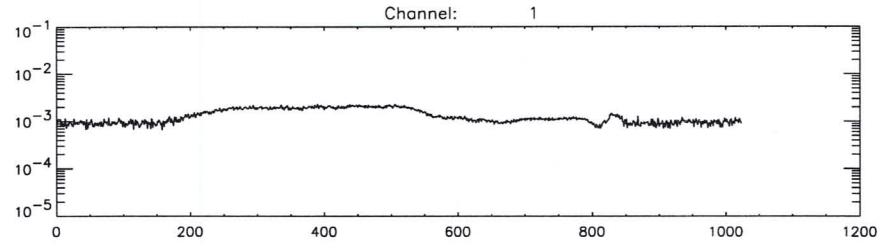

Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe2.rel_std.col.ps
Date: Sun Aug 16 14:25:16 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe2.std.cal.ps
Date: Sun Aug 16 14:25:15 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa1.avg.cal.ps
Date: Sun Aug 16 14:23:25 1998
TNO-TPD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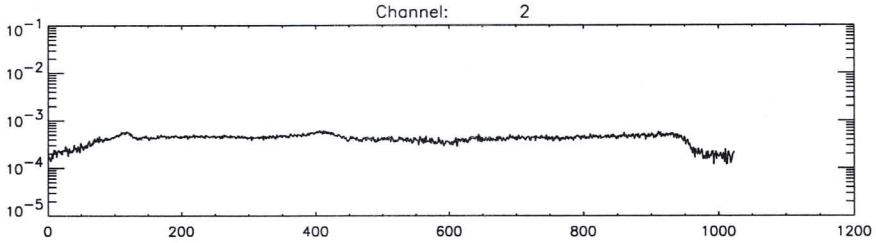
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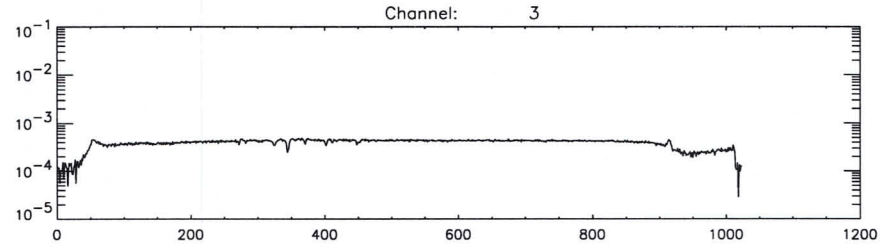
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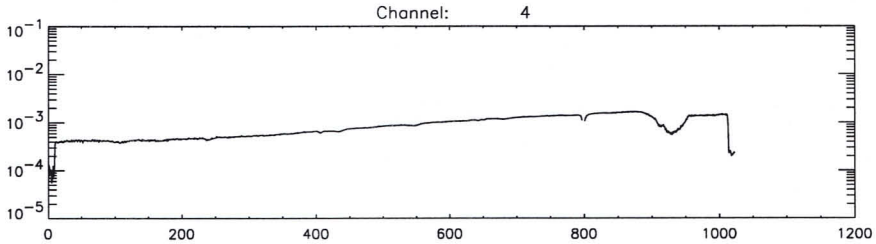
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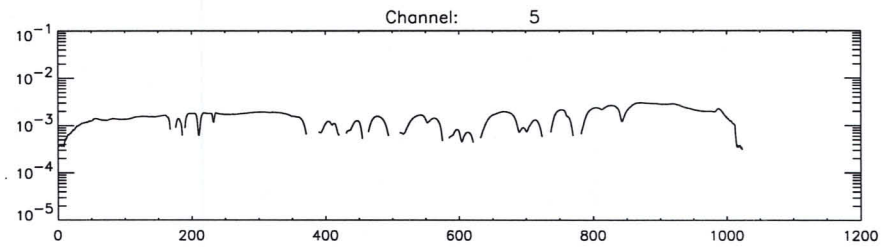
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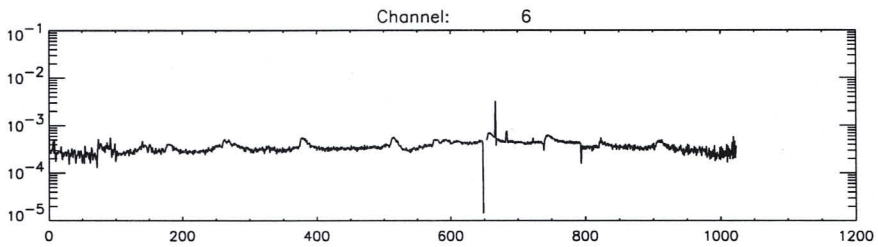
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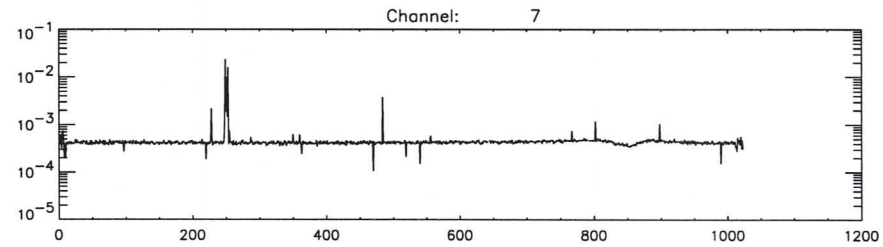
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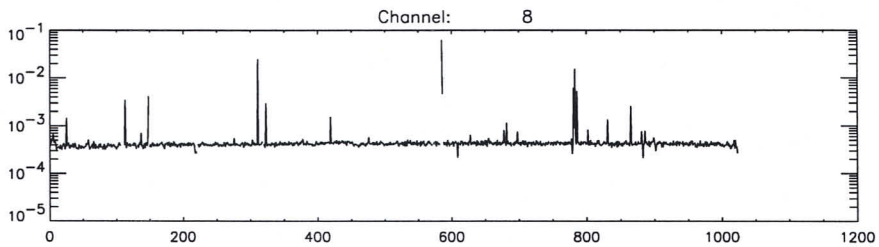
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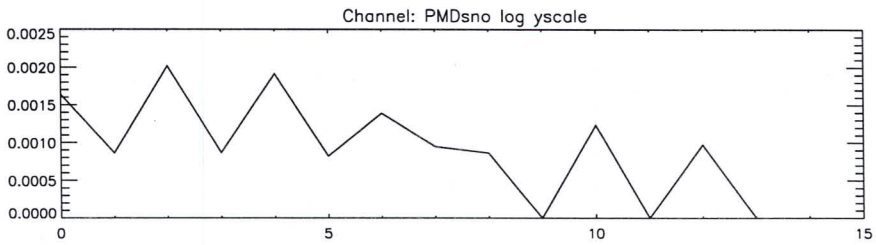
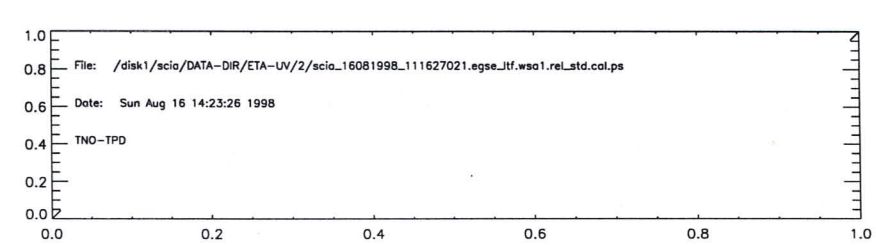

Channel: PMDsno log yscale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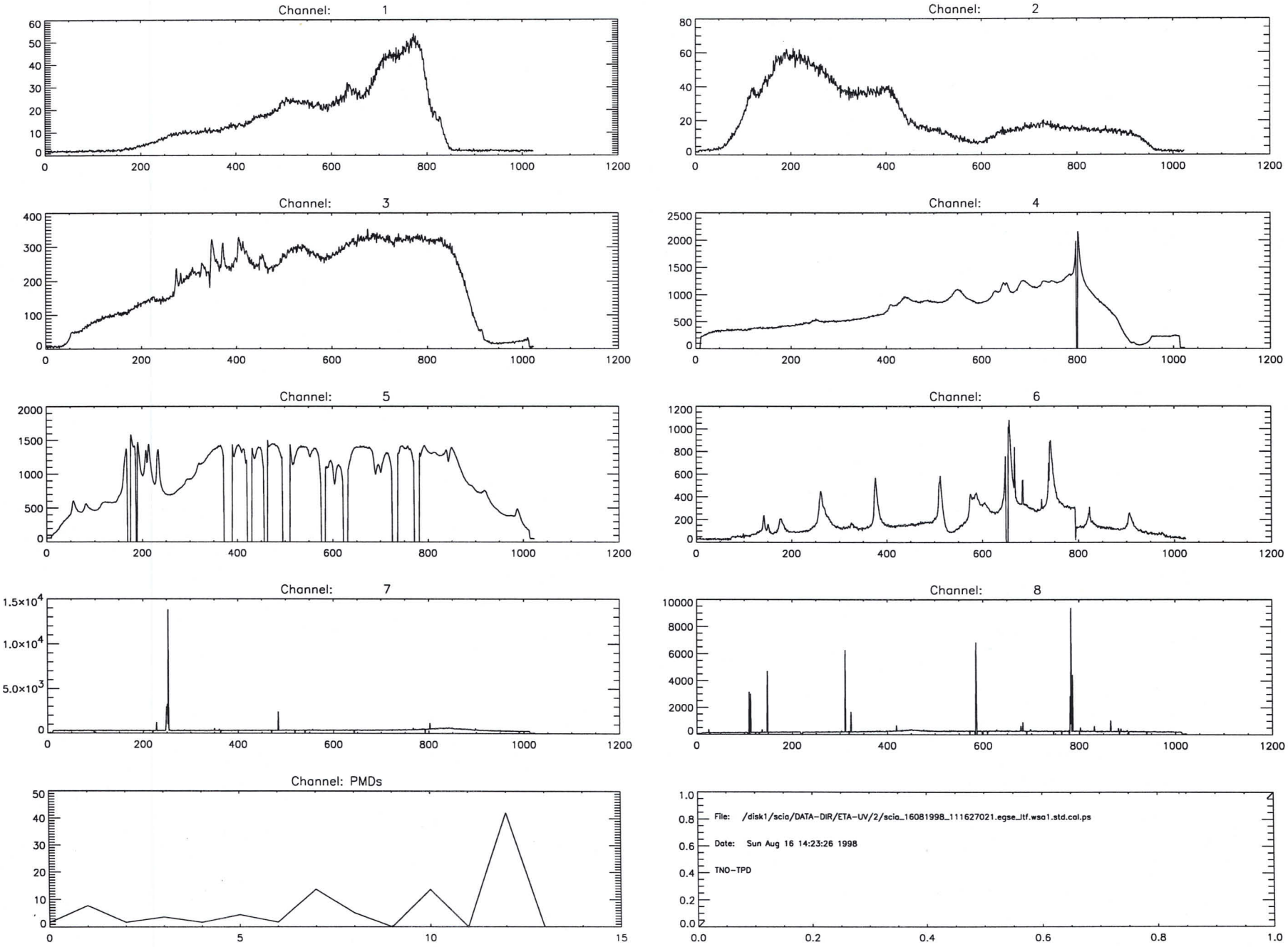
Date: Sun Aug 16 14:23:26 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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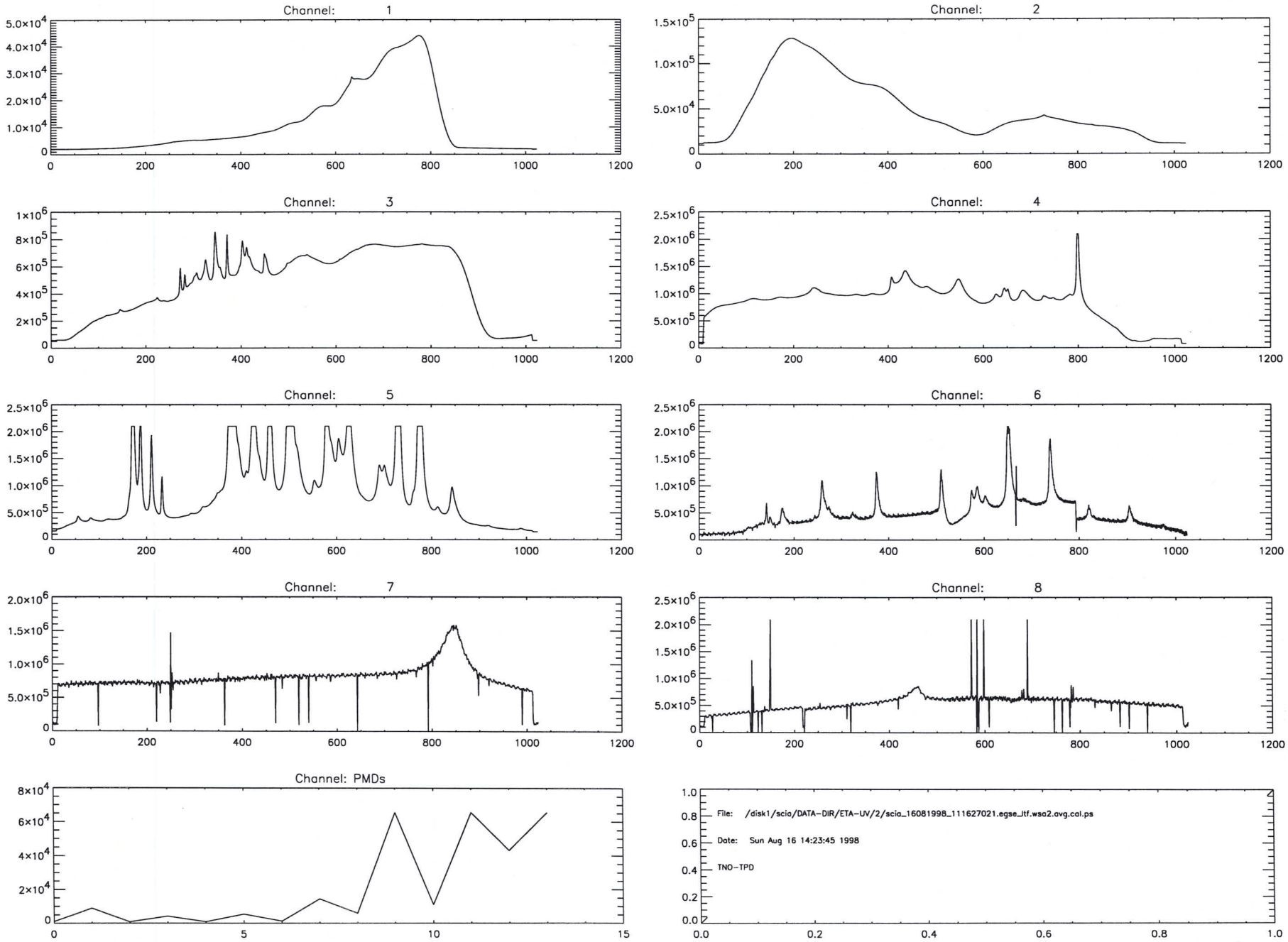
Date: Sun Aug 16 14:23:26 1998
TNO-TPD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Channel: 2
Channel: 3
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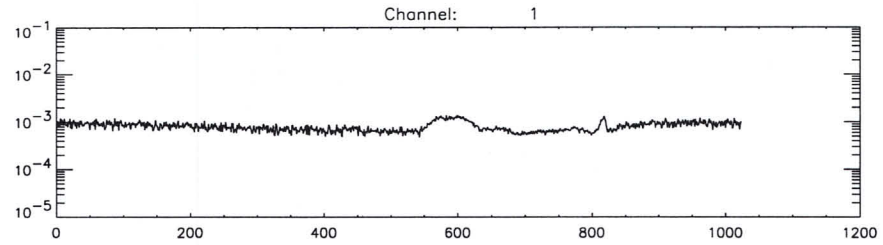
Date: Sun Aug 16 14:23:45 1998
TNO-TPD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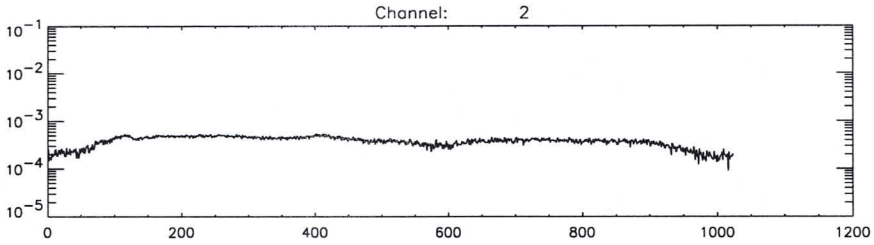
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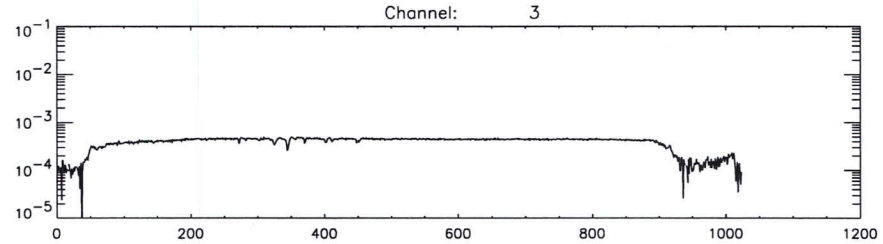
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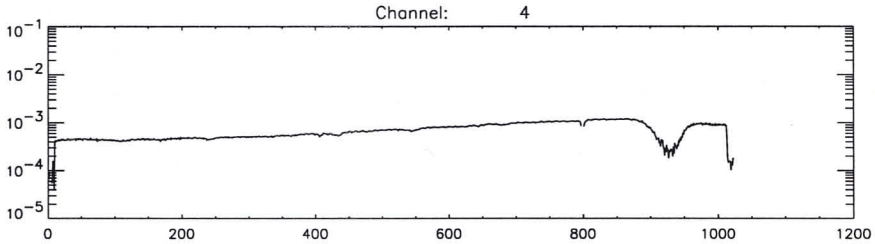
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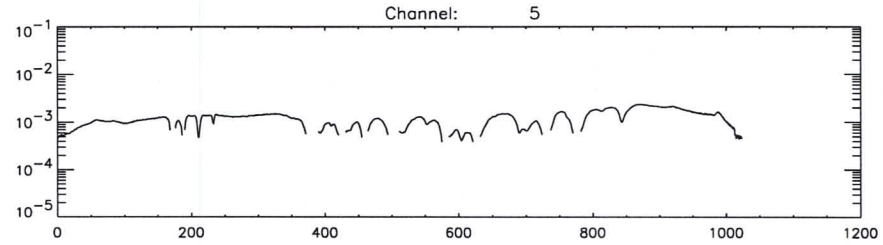
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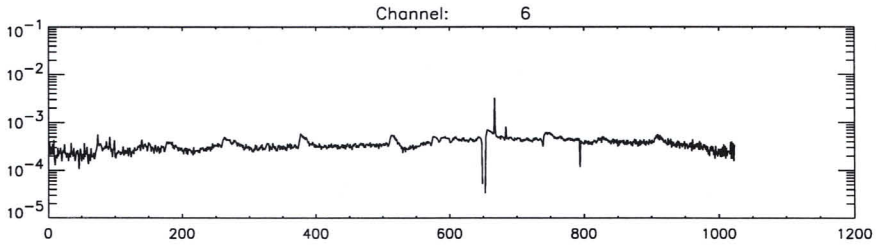
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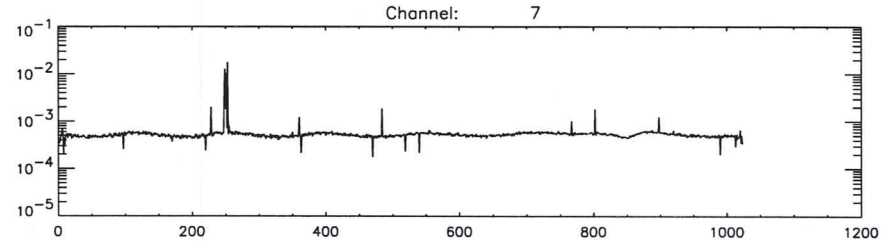
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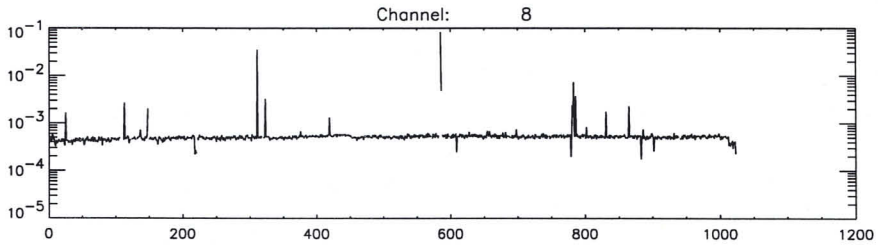
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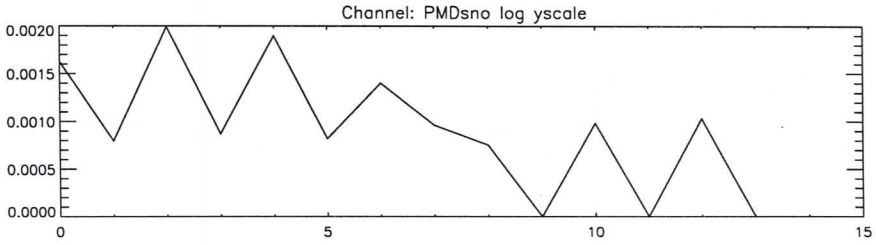
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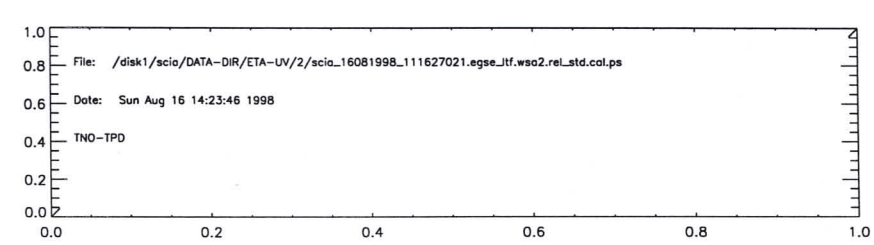
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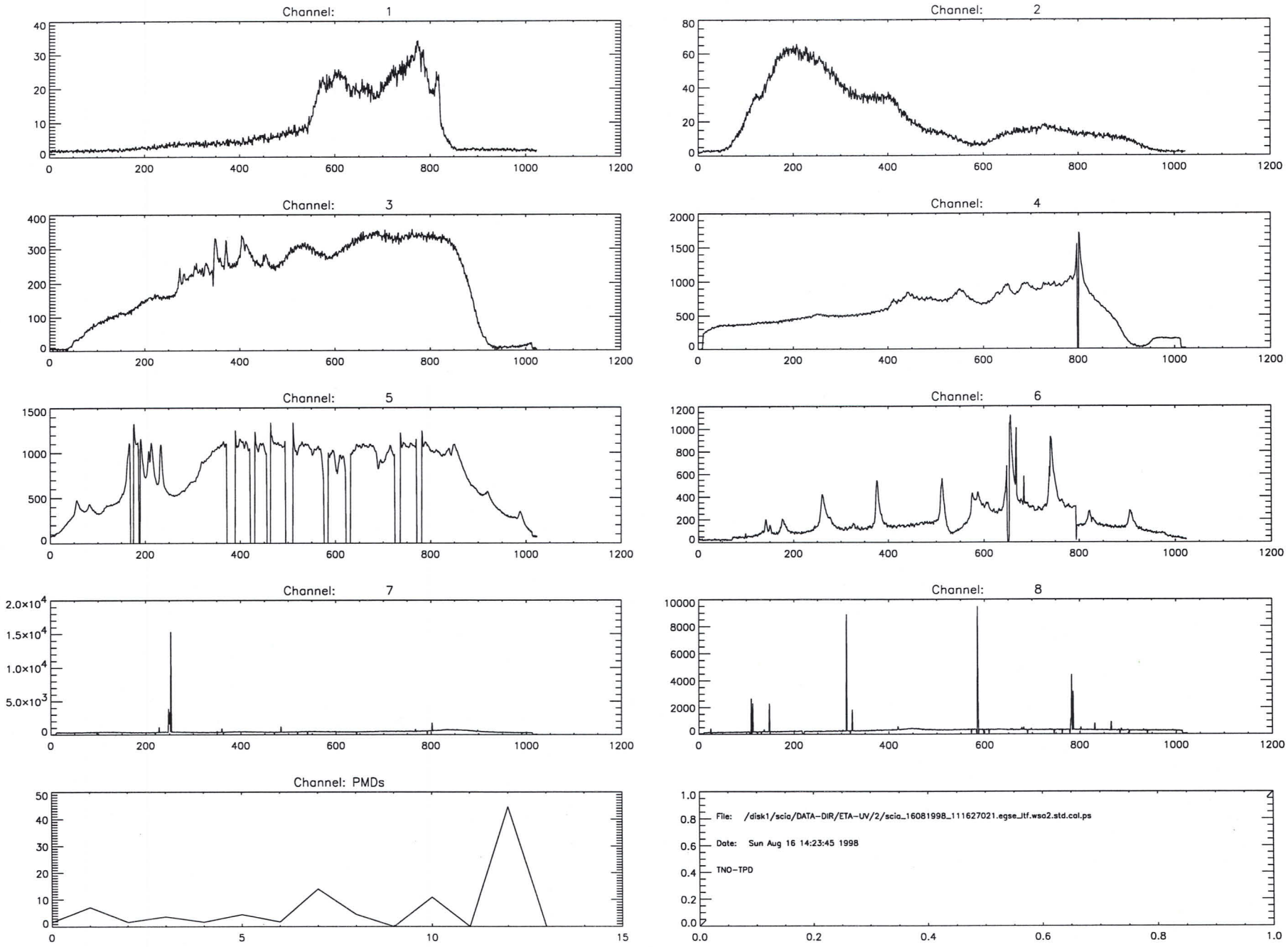
Date: Sun Aug 16 14:23:46 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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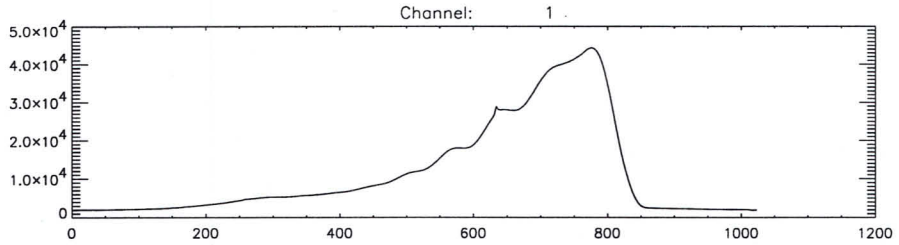
Date: Sun Aug 16 14:23:45 1998
TNO-TPD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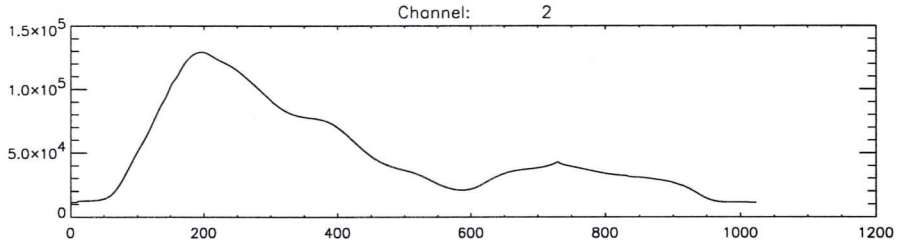
600
800
1000
1200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5.0x10^4
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600
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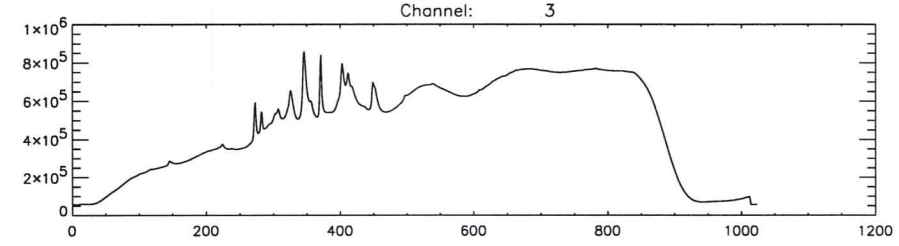
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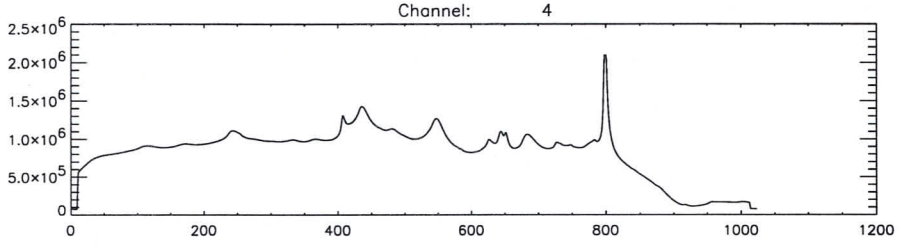
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1.0x10^6
5.0x10^5
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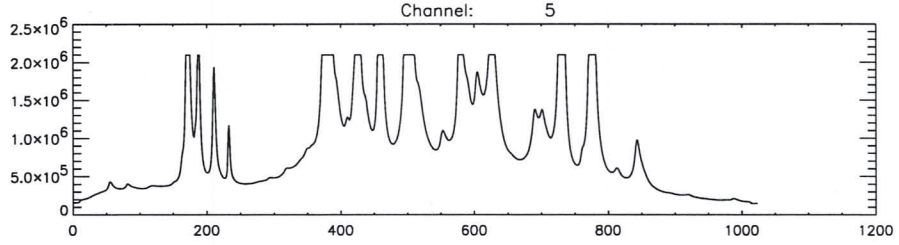
600
800
1000
1200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1.0x10^6
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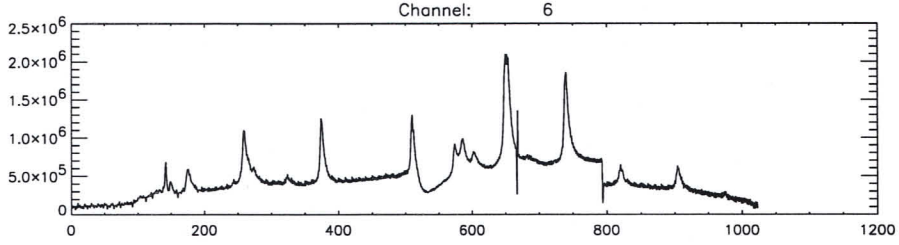
1000
1200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1.0x10^6
5.0x10^5
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600
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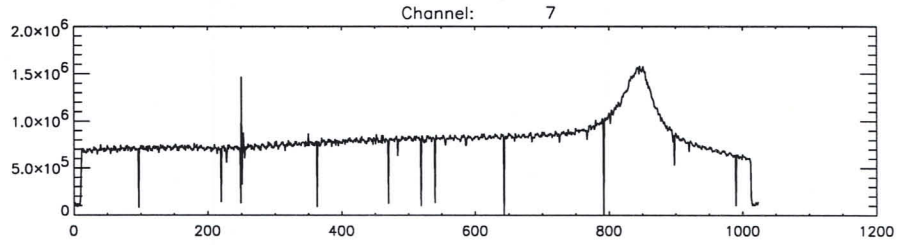
1000
1200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5.0x10^5
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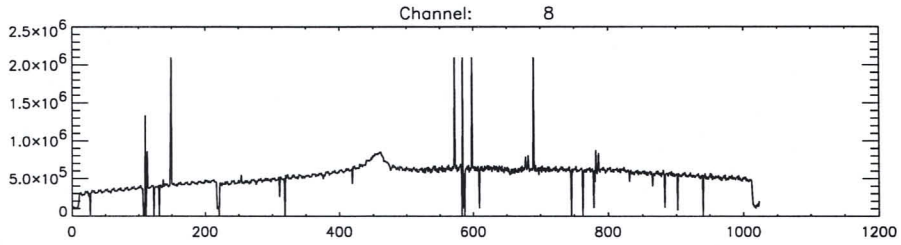
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5.0x10^5
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600
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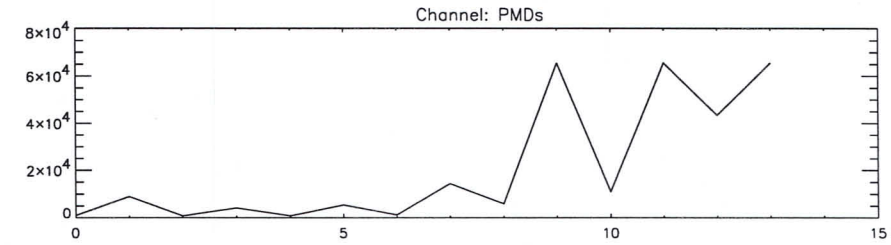
1000
1200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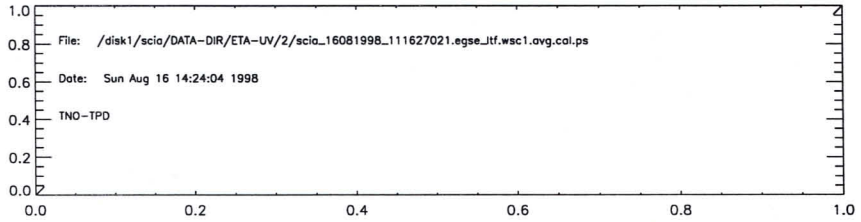
0
5
10
15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Date: Sun Aug 16 14:24:04 1998
TNO-TPD
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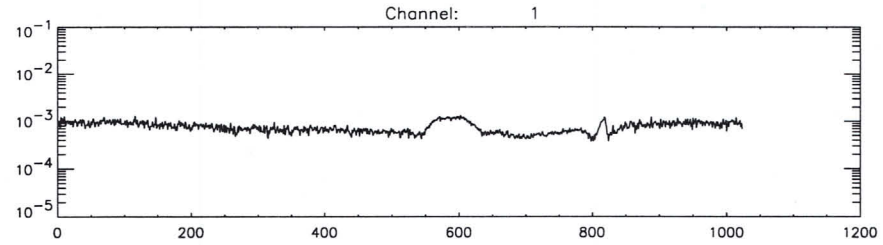
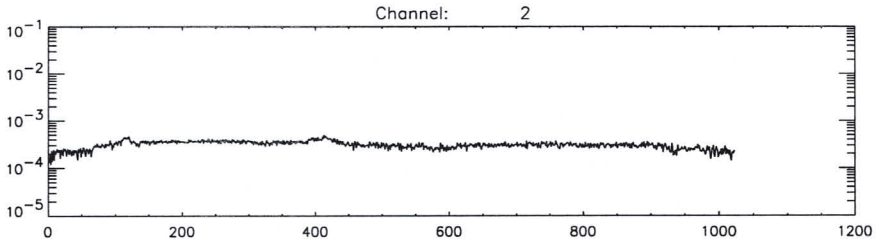
1.0


Channel: 1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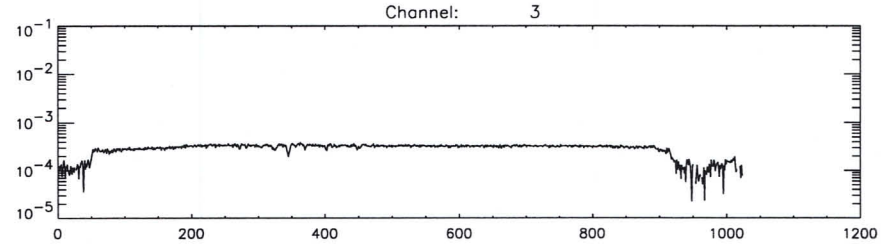
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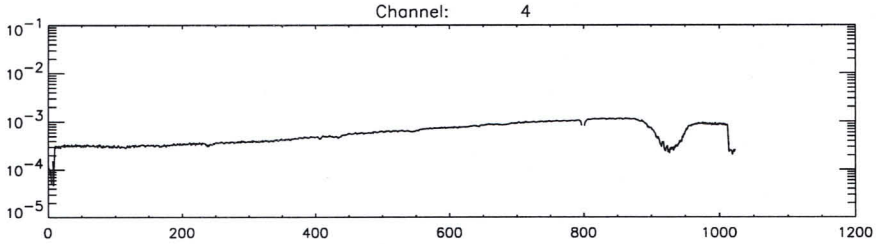
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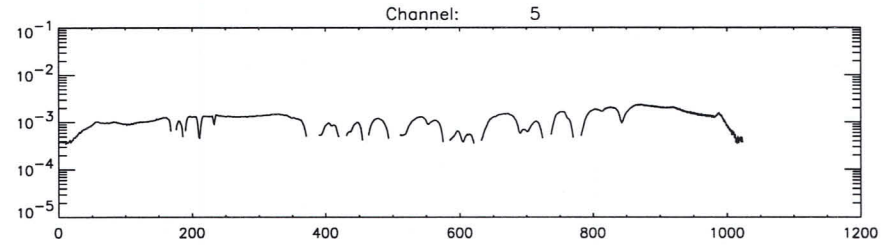
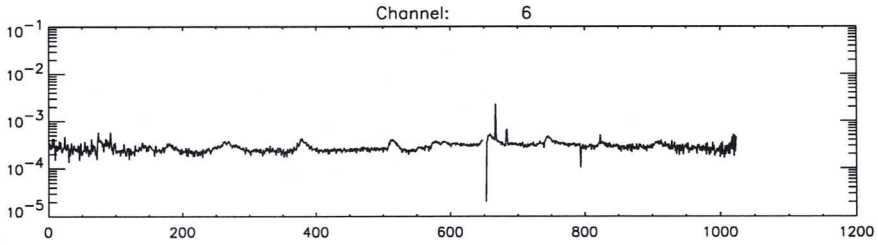
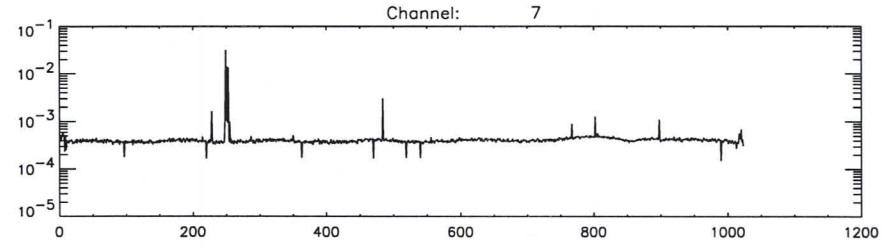
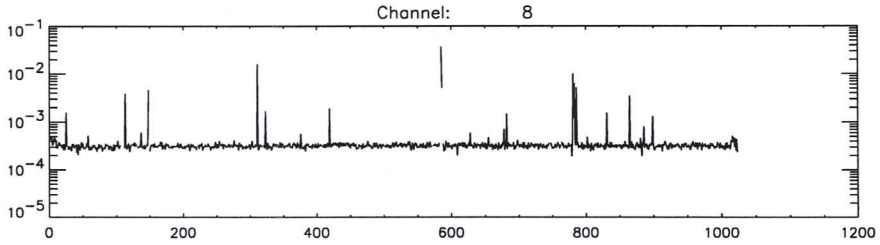
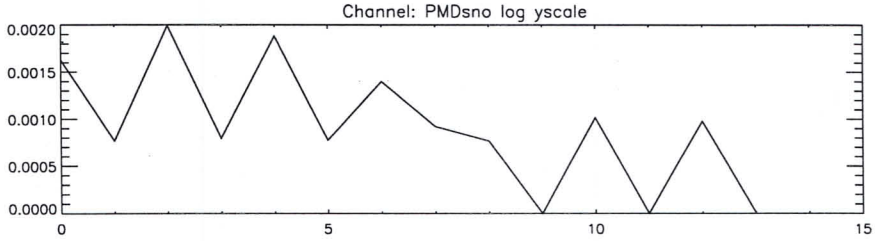
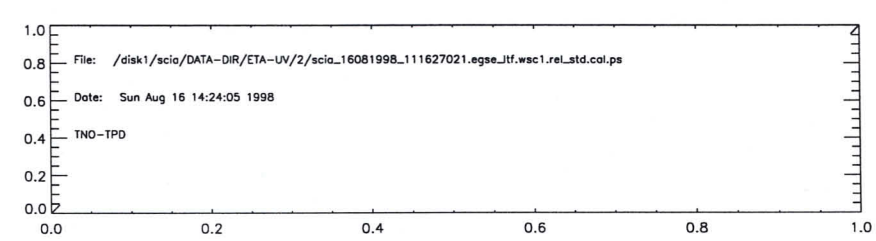

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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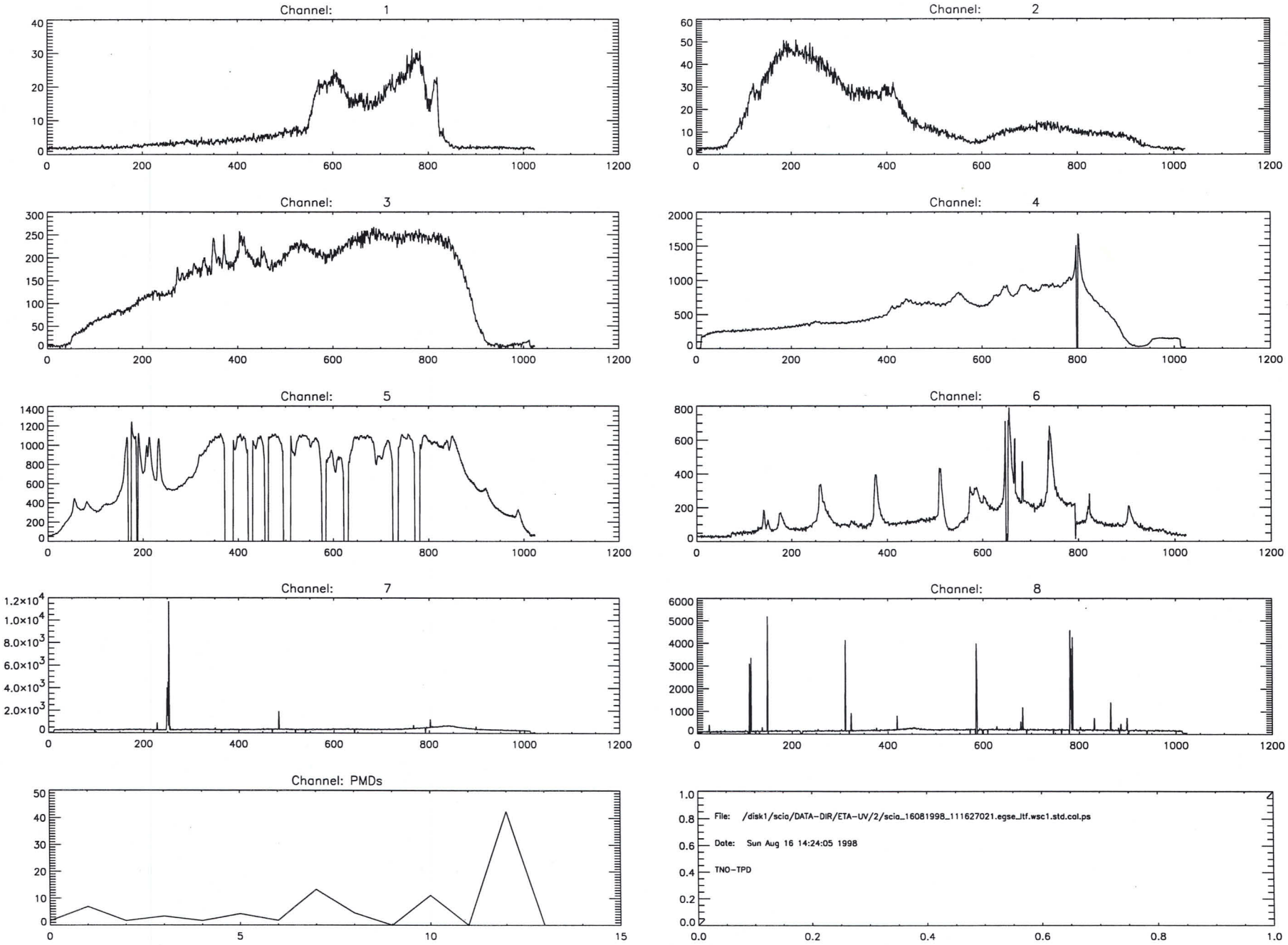
Date: Sun Aug 16 14:24:05 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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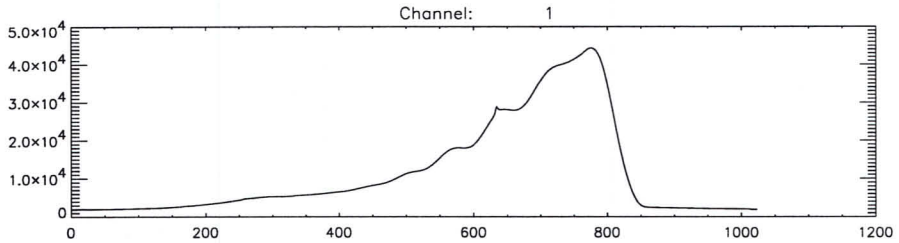
Date: Sun Aug 16 14:24:05 1998
TNO-TPD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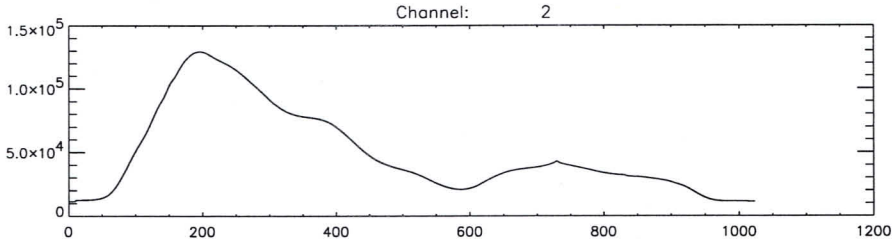
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5.0x10^4
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800
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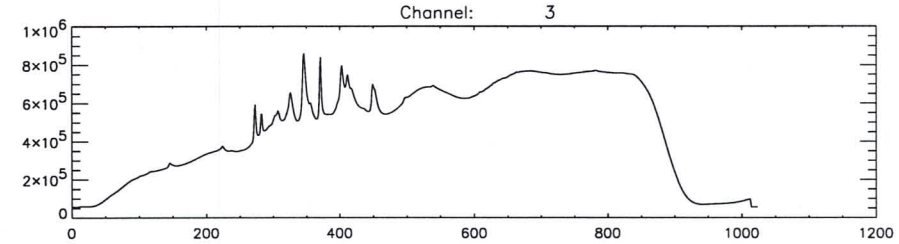
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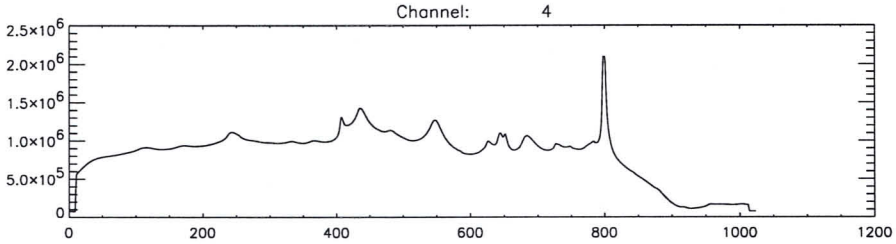
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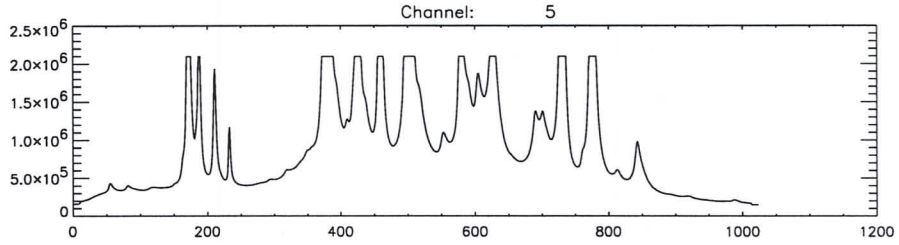
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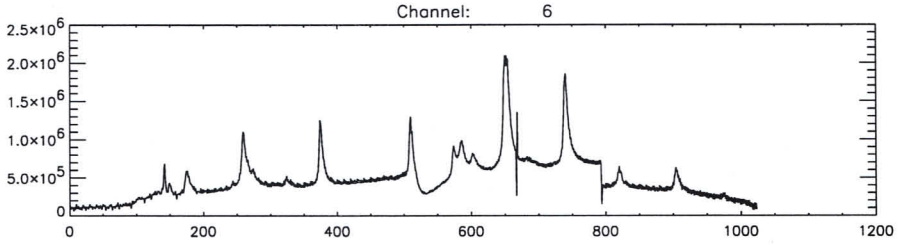
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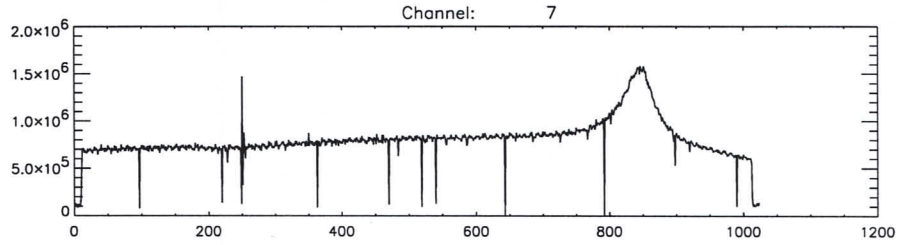
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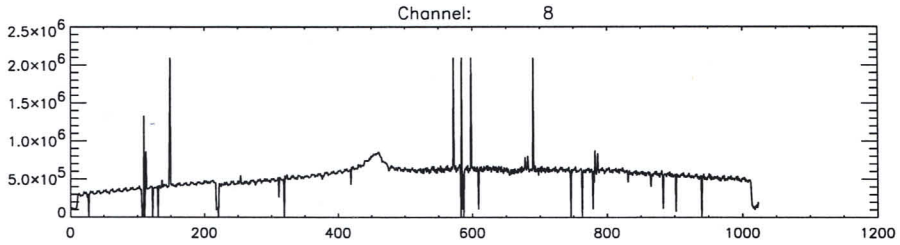
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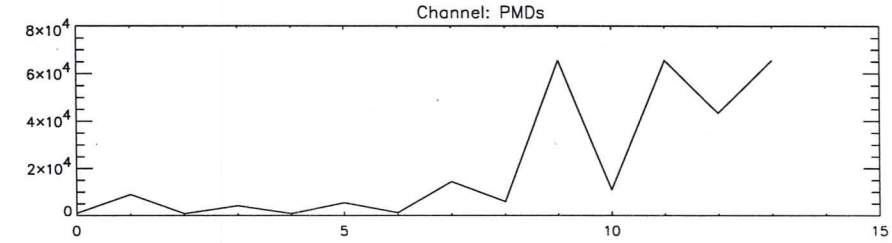
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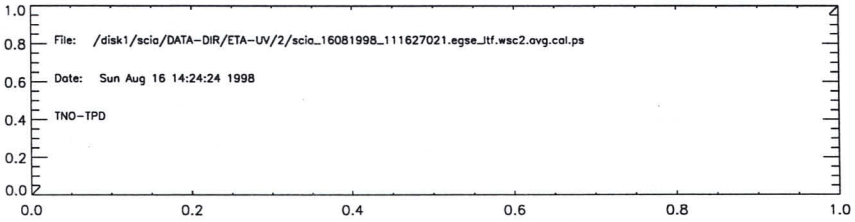
10
15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Date: Sun Aug 16 14:24:24 1998
TNO-TPD
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0.4
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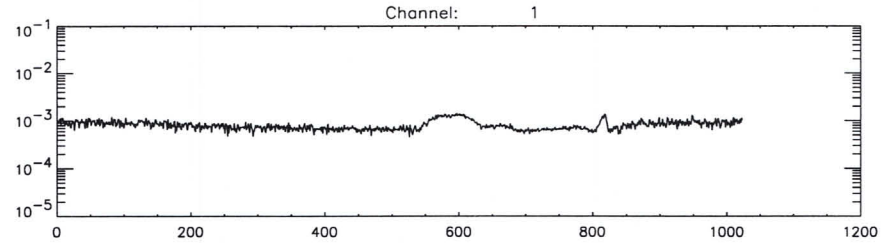
0.8
1.0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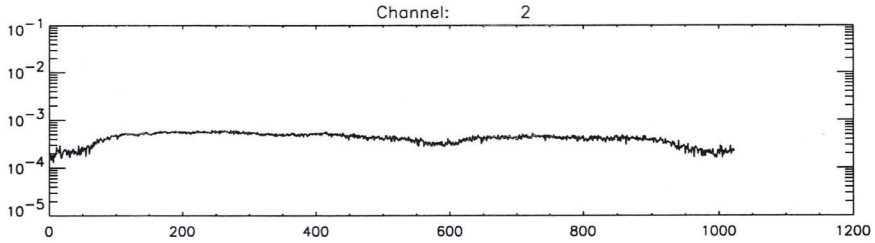
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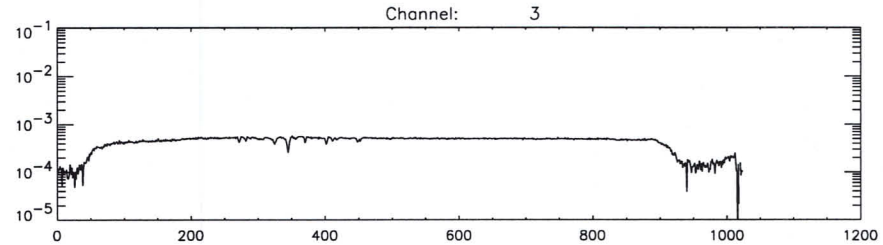
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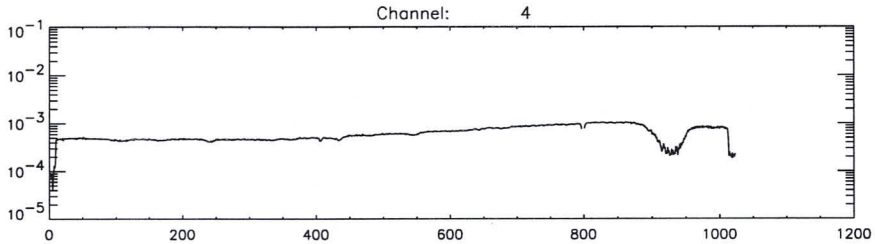
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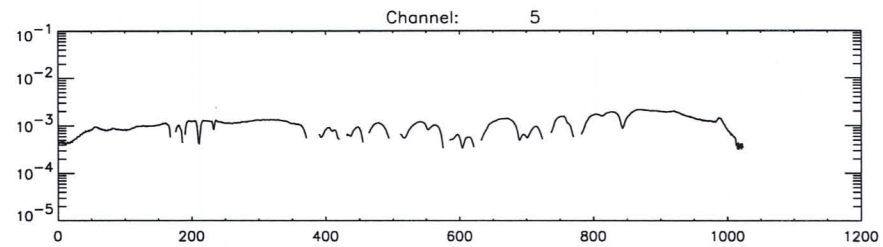
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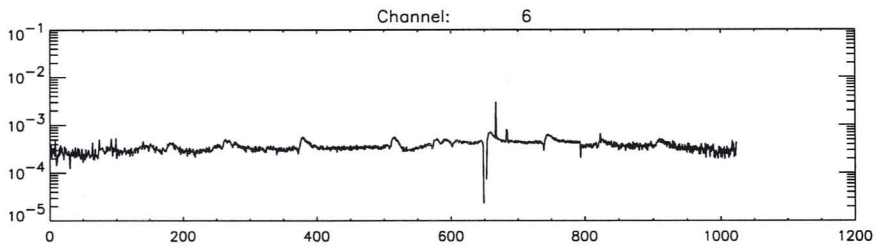
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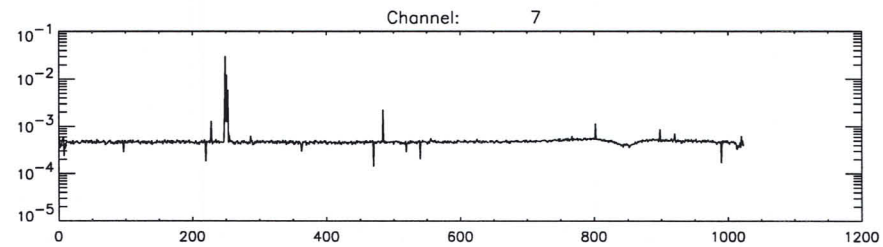
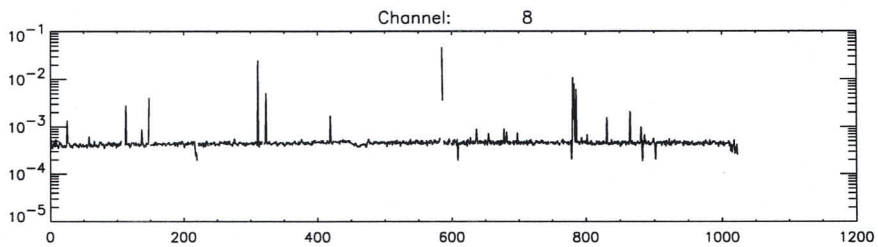
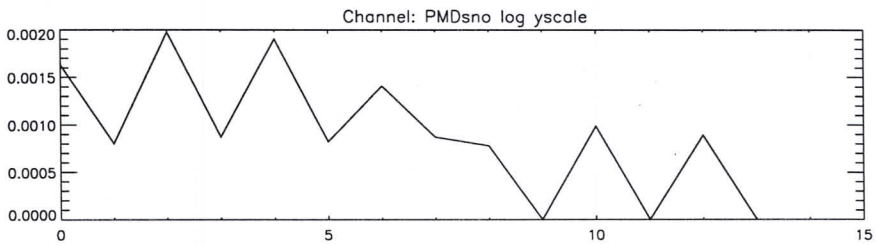
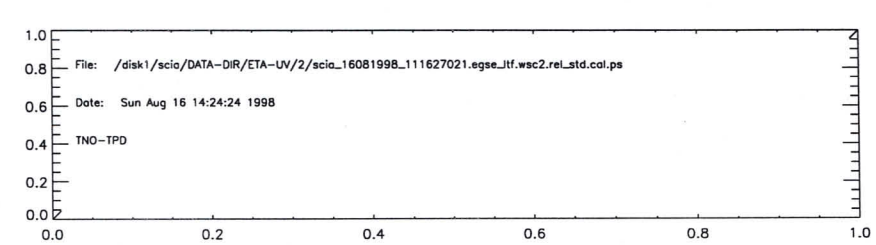

Channel: 7


Channel: 8


Channel: PMDsno log yscale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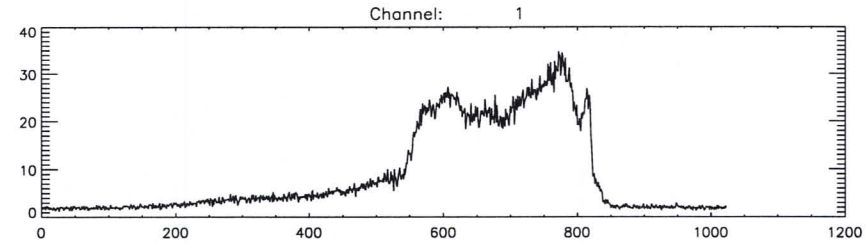
Date: Sun Aug 16 14:24:24 1998
TNO-TPD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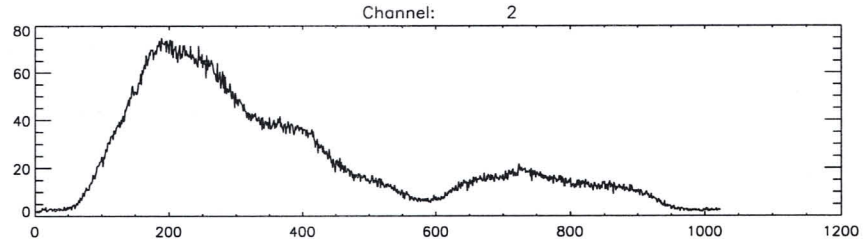
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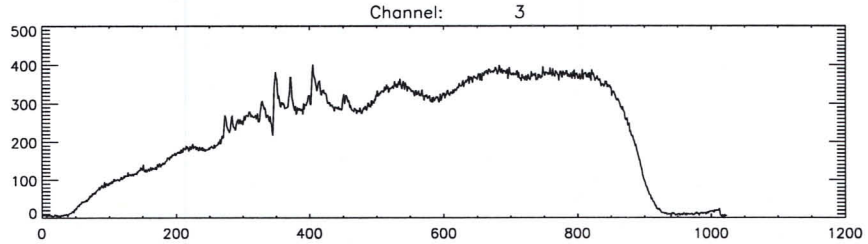
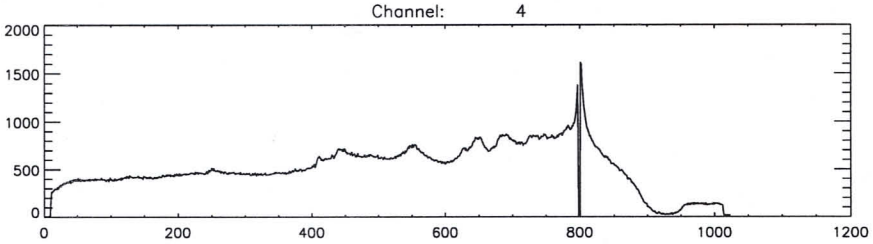

Channel: 3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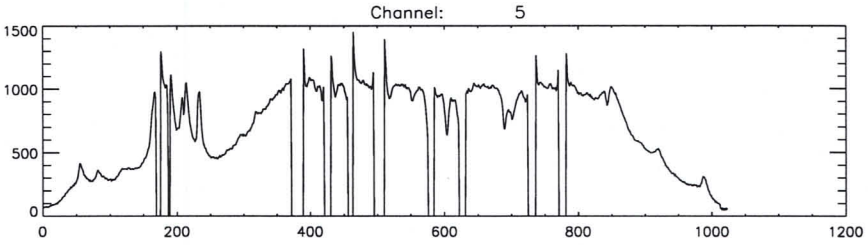
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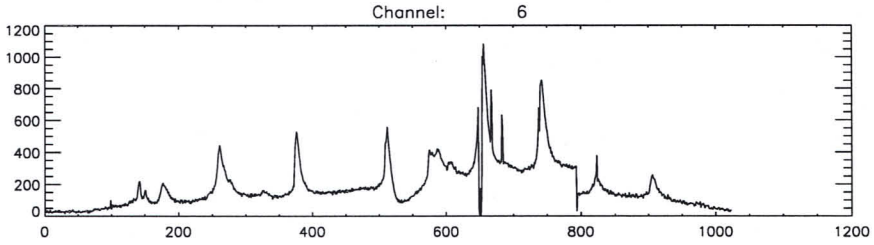
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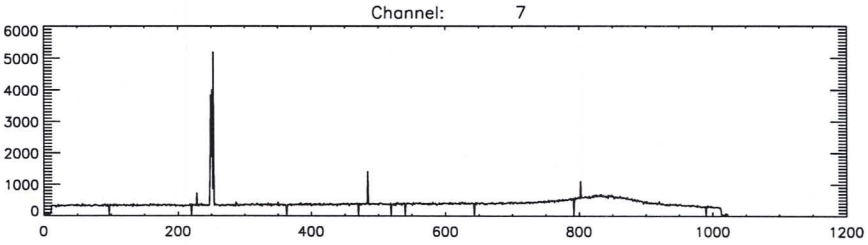
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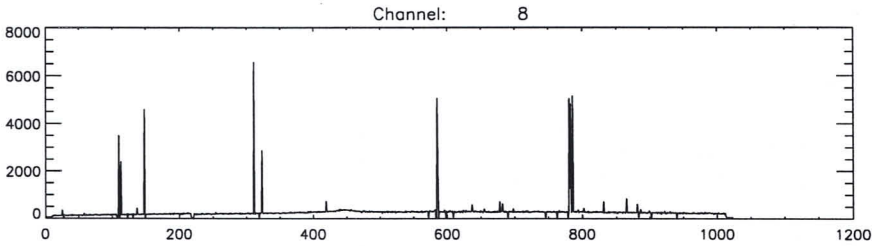
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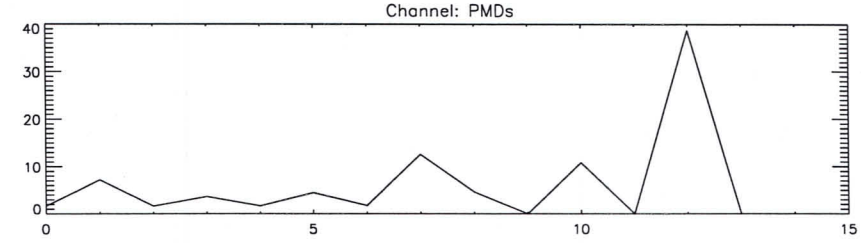
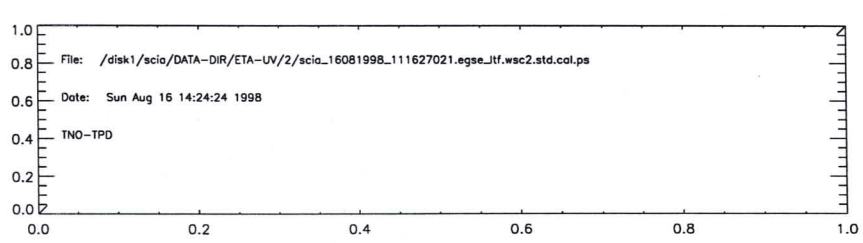

Channel: PMDs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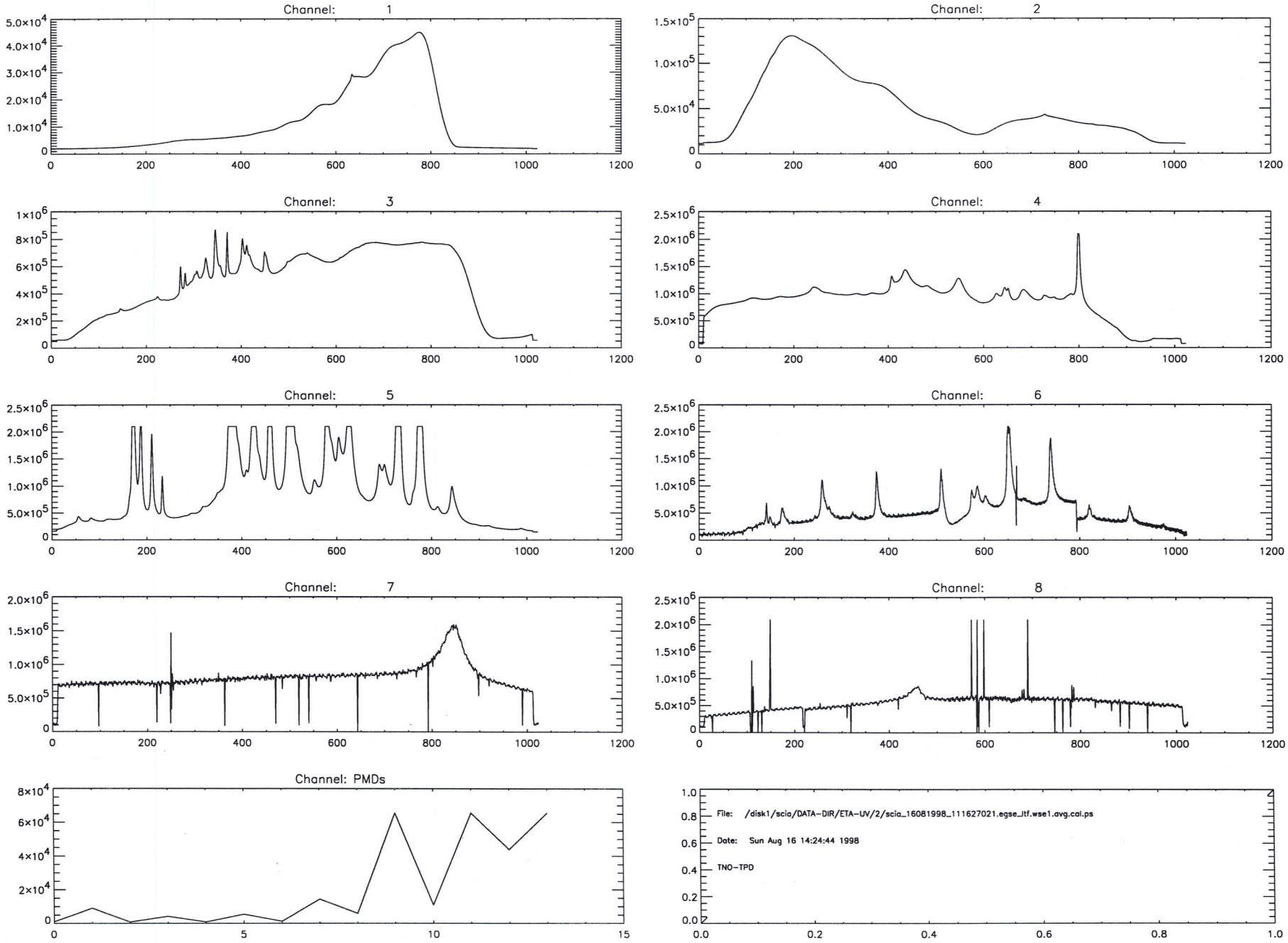
Date: Sun Aug 16 14:24:24 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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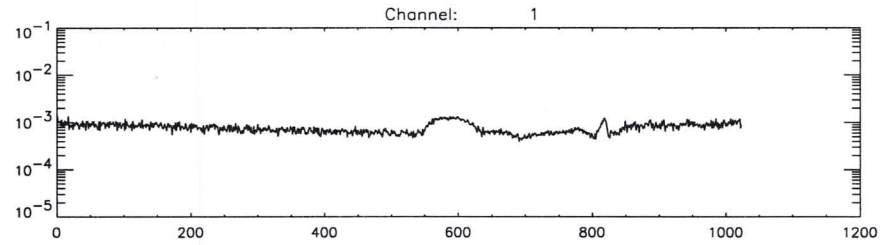
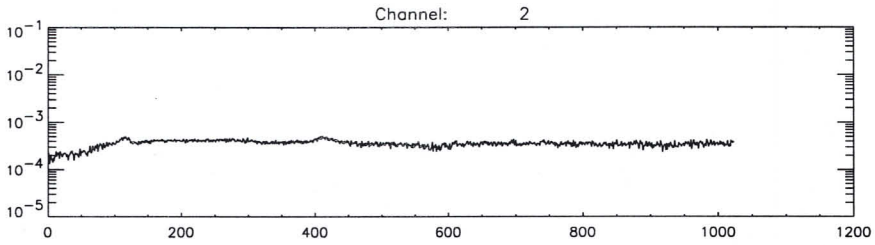
Date: Sun Aug 16 14:24:44 1998
TNO-TPD


Channel: 1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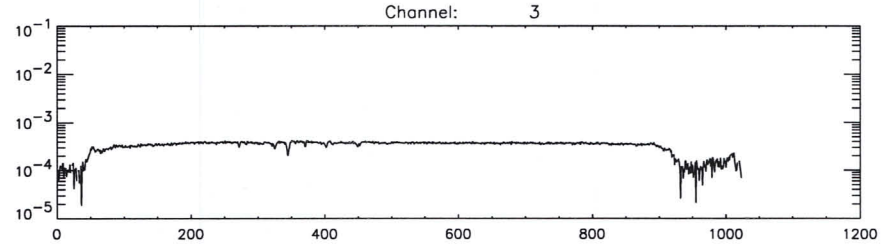
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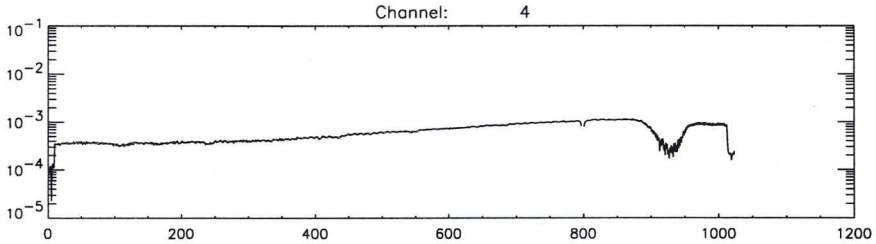
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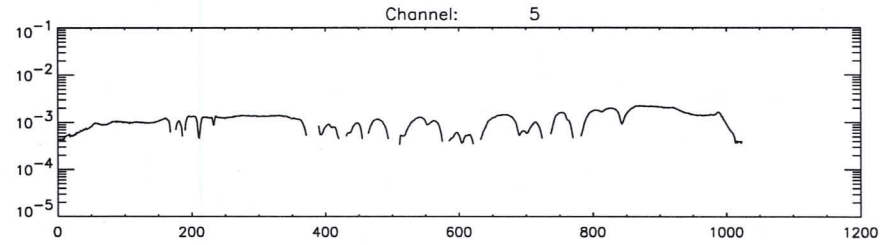
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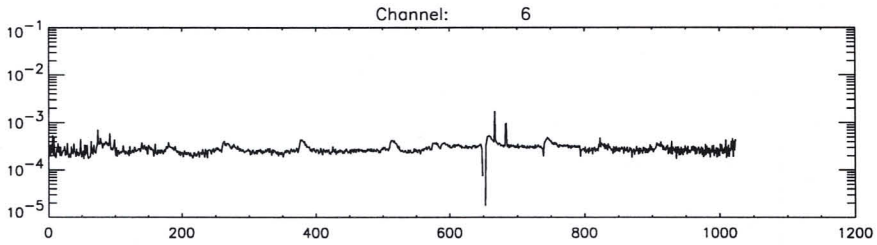
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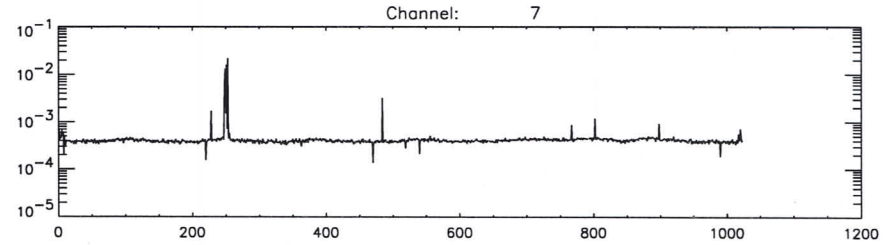
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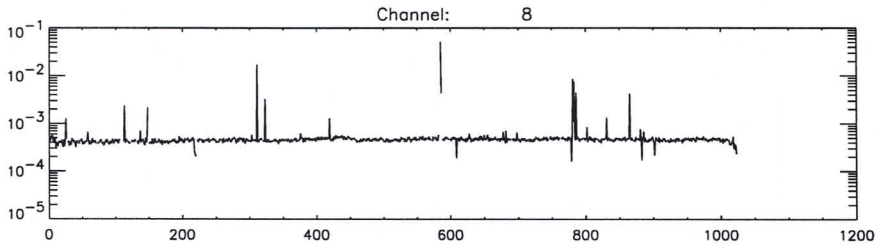
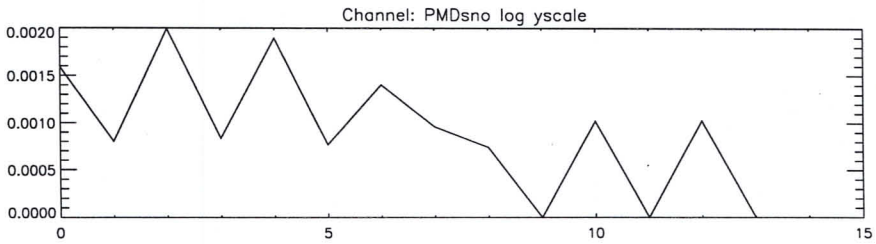
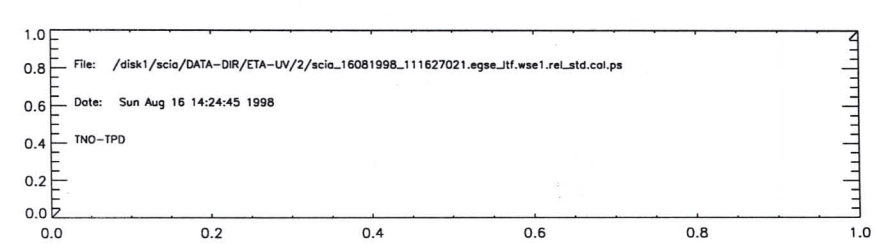

Channel: 8


Channel: PMDsno log yscale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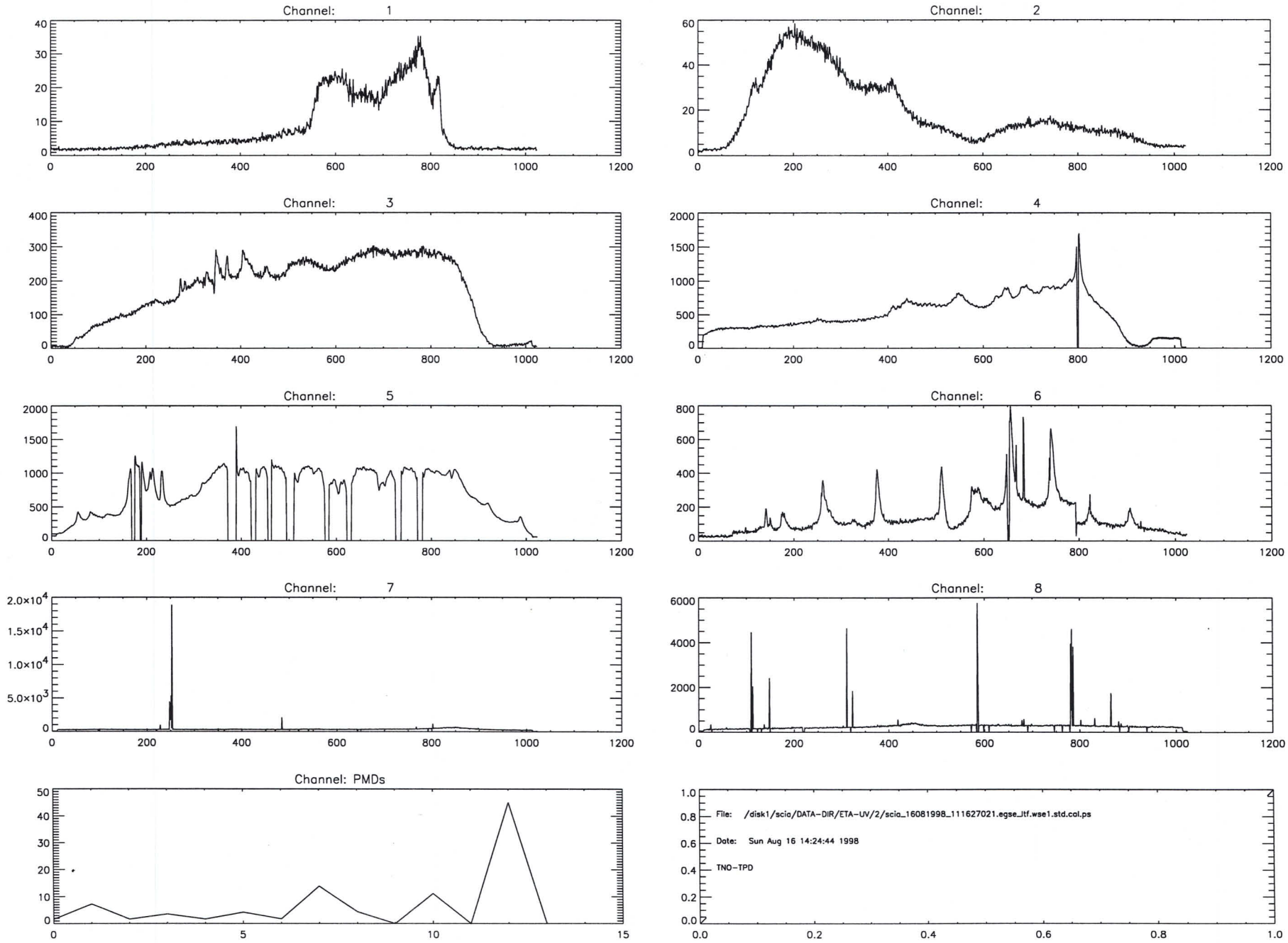
Date: Sun Aug 16 14:24:45 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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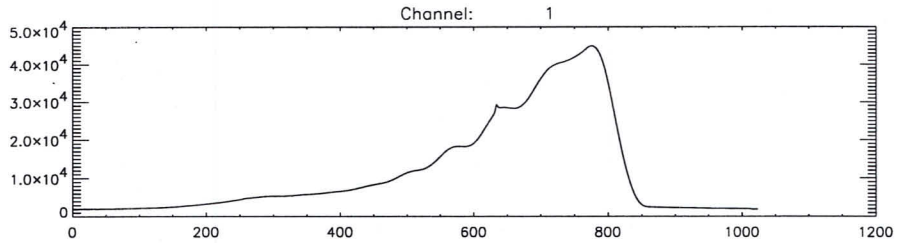
Date: Sun Aug 16 14:24:44 1998
TNO-TPD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1.0x10^4
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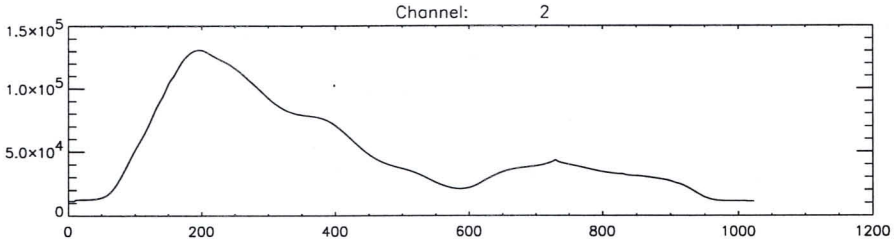
1000
1200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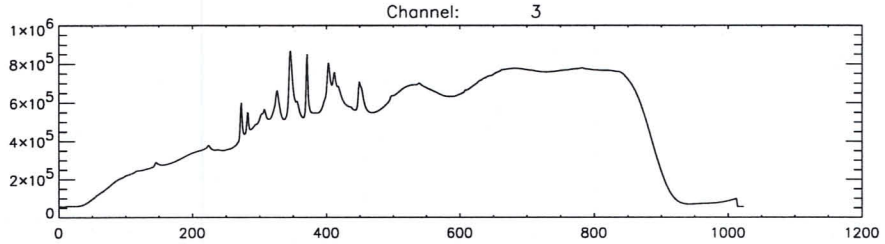
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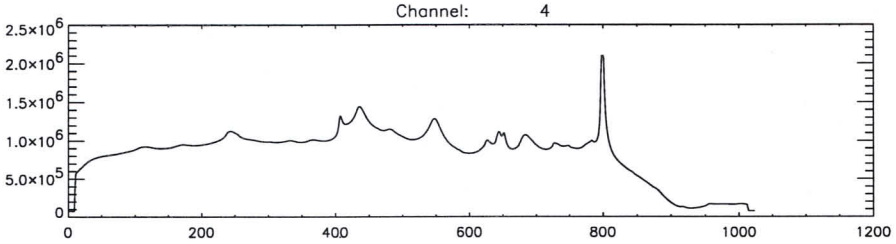
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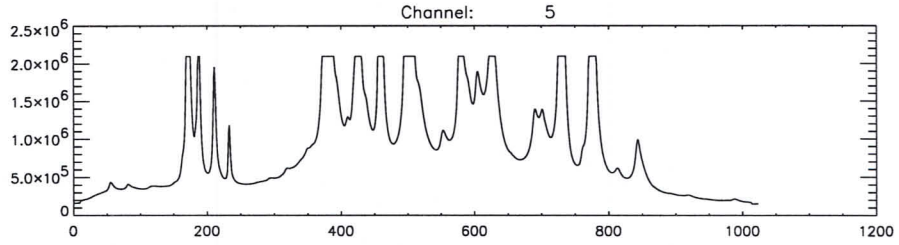
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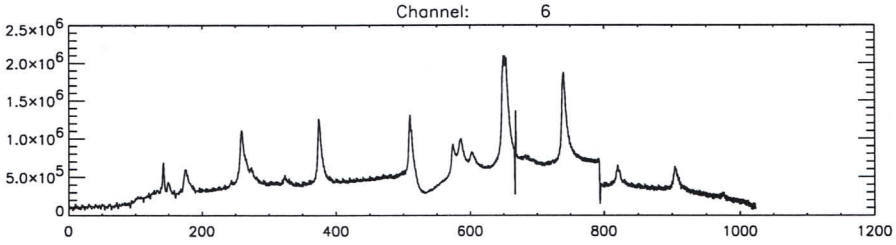
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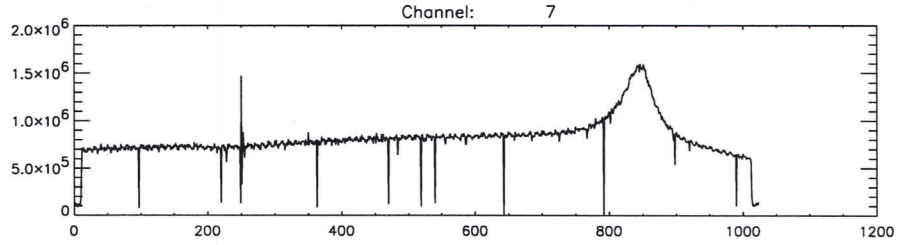
1000
1200


Channel: 7
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800
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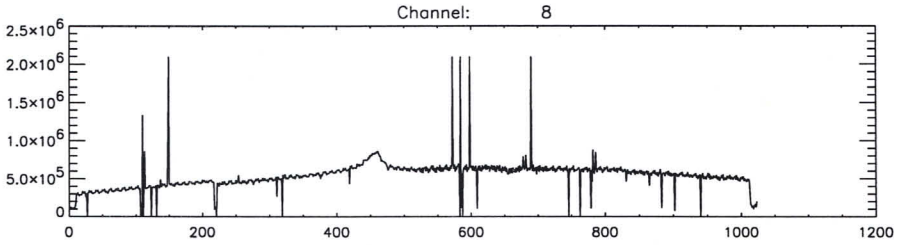
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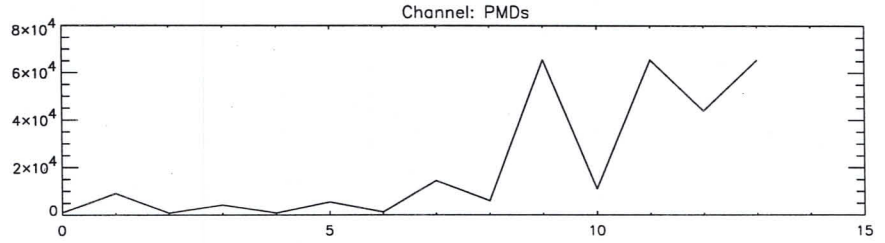
Channel: PMDs
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0
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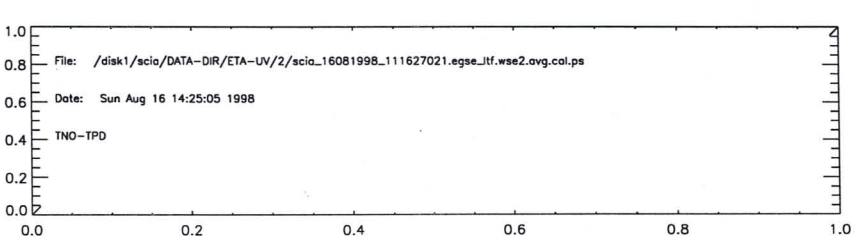
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.avg.cal.ps
Date: Sun Aug 16 14:25:05 1998
TNO-TPD
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0.2
0.4
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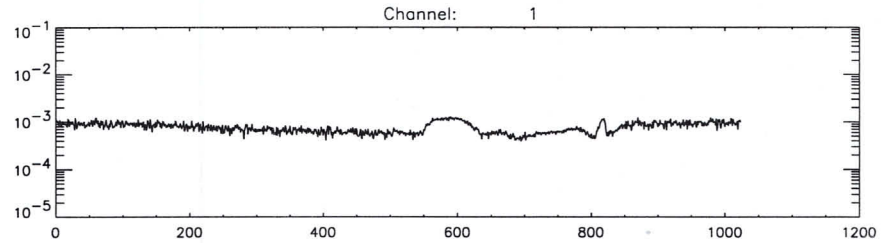
0.8
1.0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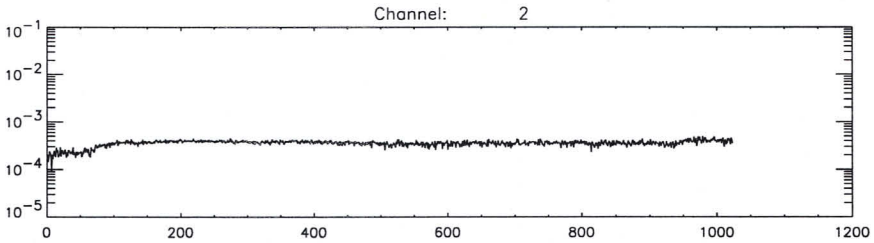
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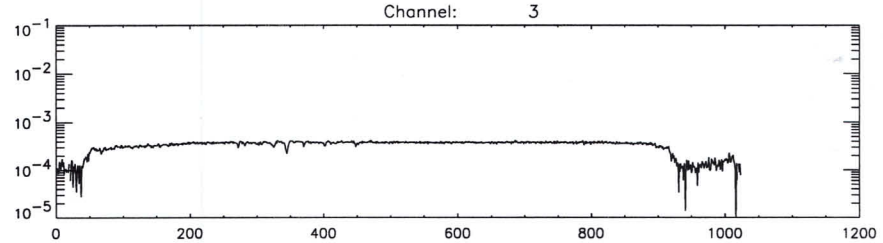
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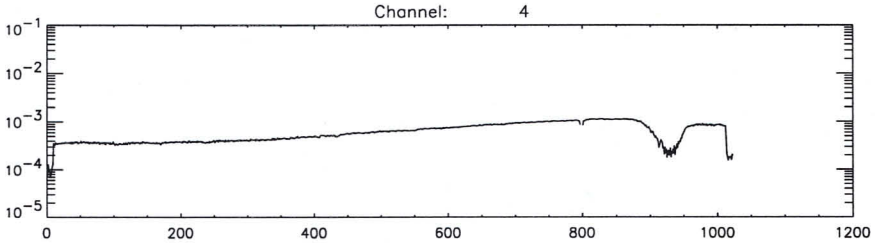
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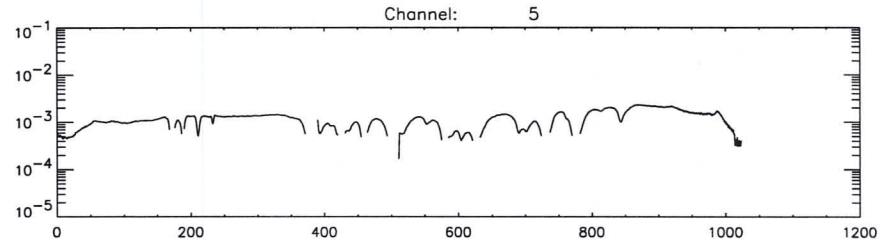
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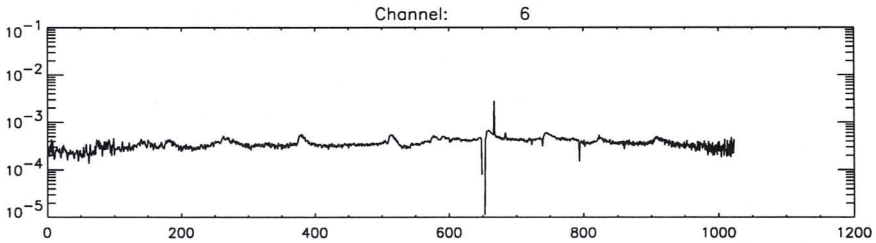
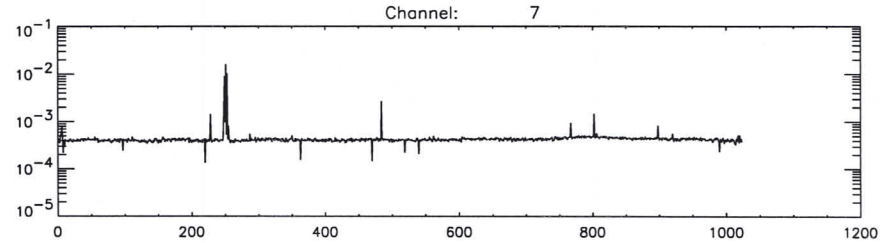

Channel: 6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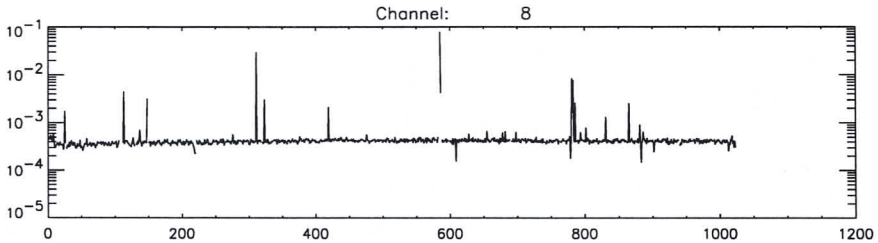
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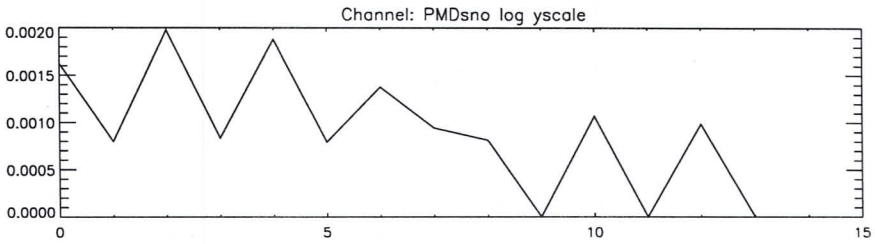
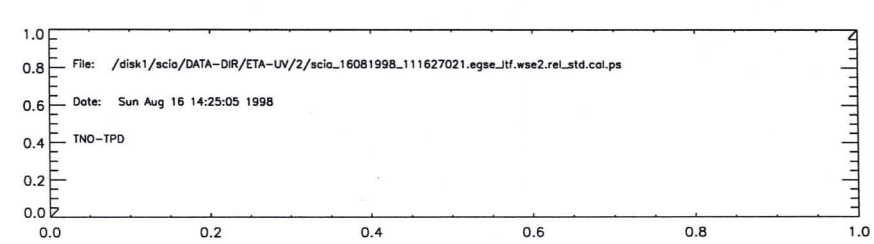
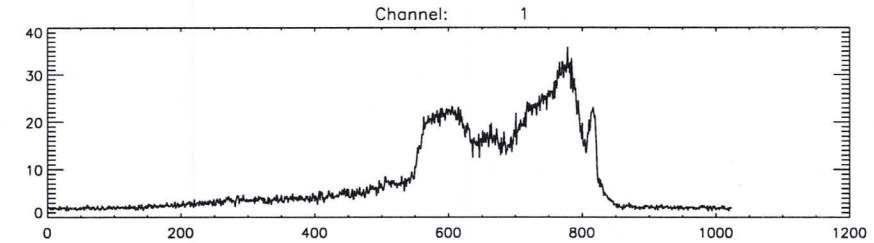

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wse2.rel_std.cal.ps
Date: Sun Aug 16 14:25:05 1998
TNO-TPD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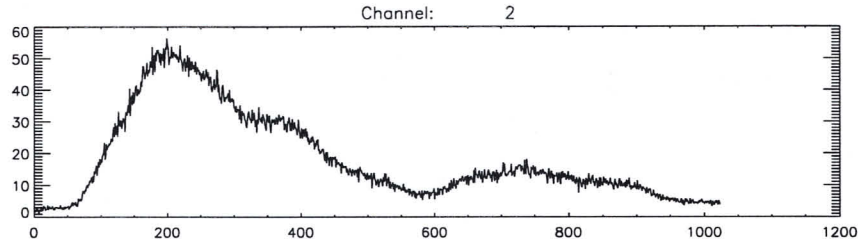
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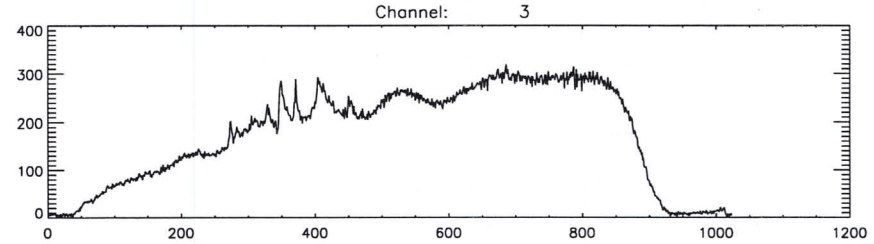
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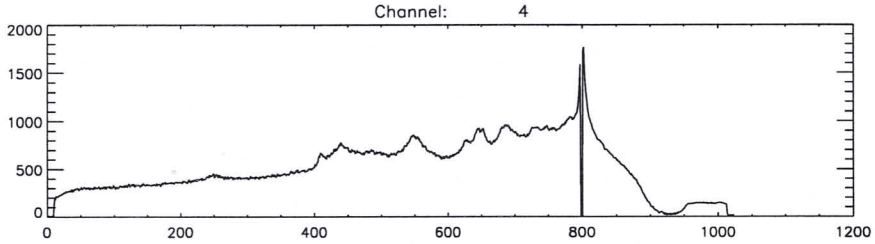
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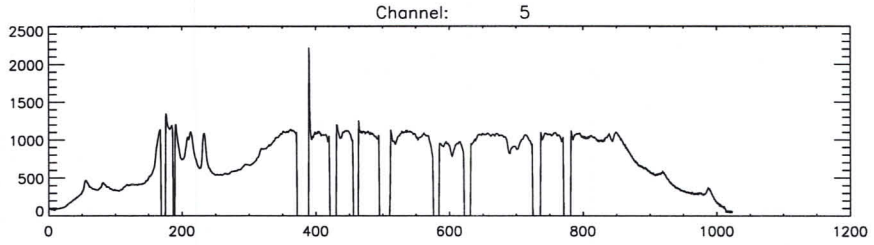
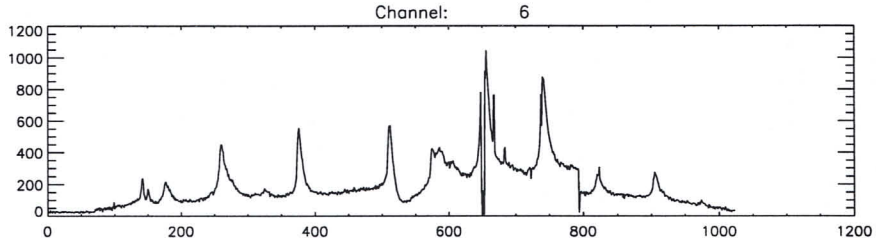
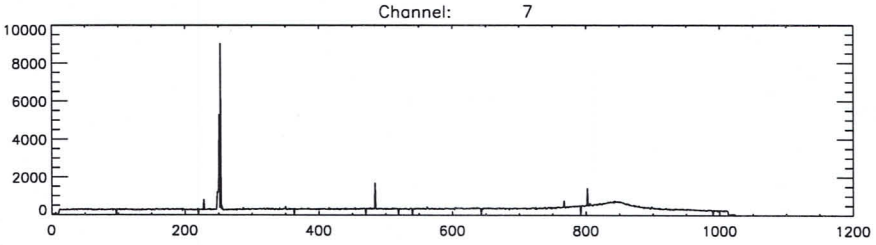

Channel: 5


Channel: 6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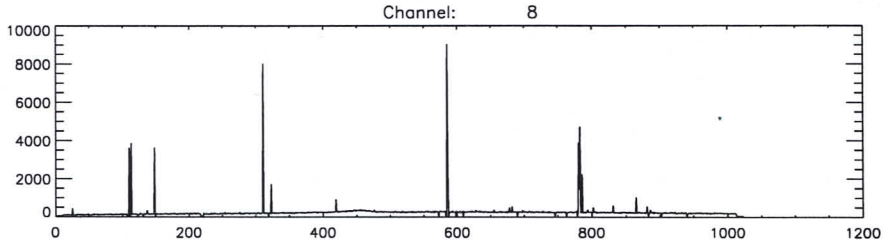
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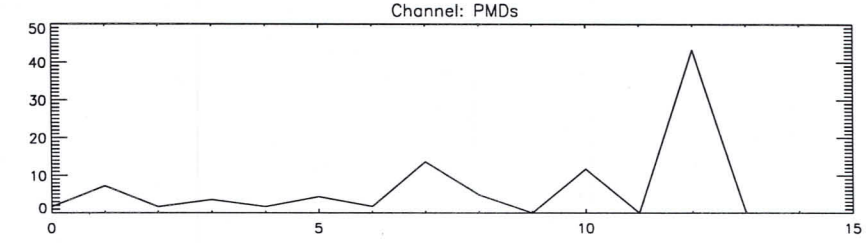
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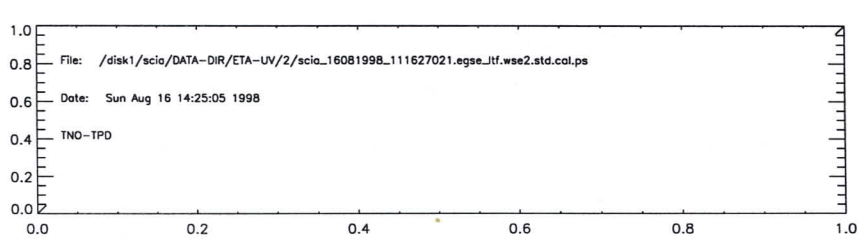

File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.std.cal.ps
Date: Sun Aug 16 14:25:05 1998
TNO-TPD

```
time       = Sun Aug 16 14:23:16 1998
batch      = du1
Start TOD  = Sun 16-Aug-98 11:16:27
End   TOD  = Sun 16-Aug-98 11:20:10
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:25:26 1998
batch      = du2
Start TOD = Sun 16-Aug-98 11:42:22
End   TOD = Sun 16-Aug-98 11:44:59
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:36 1998
batch      = wpa1
Start TOD = Sun 16-Aug-98 11:22:02
End   TOD = Sun 16-Aug-98 11:23:53
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:56 1998
batch      = wpa2
Start TOD = Sun 16-Aug-98 11:25:45
End   TOD = Sun 16-Aug-98 11:27:38
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:15 1998
batch      = wpc1
Start TOD = Sun 16-Aug-98 11:29:30
End   TOD = Sun 16-Aug-98 11:31:21
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:35 1998
batch      = wpc2
Start TOD = Sun 16-Aug-98 11:33:13
End   TOD = Sun 16-Aug-98 11:35:08
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:55 1998
batch      = wpe1
Start TOD = Sun 16-Aug-98 11:36:57
End   TOD = Sun 16-Aug-98 11:38:49
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:25:16 1998
batch      = wpe2
Start TOD = Sun 16-Aug-98 11:40:41
End   TOD = Sun 16-Aug-98 11:42:22
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:26 1998
batch      = wsa1
Start TOD = Sun 16-Aug-98 11:20:10
End   TOD = Sun 16-Aug-98 11:22:02
Processing= computation of average, standard dev. and rel.standard dev.
```

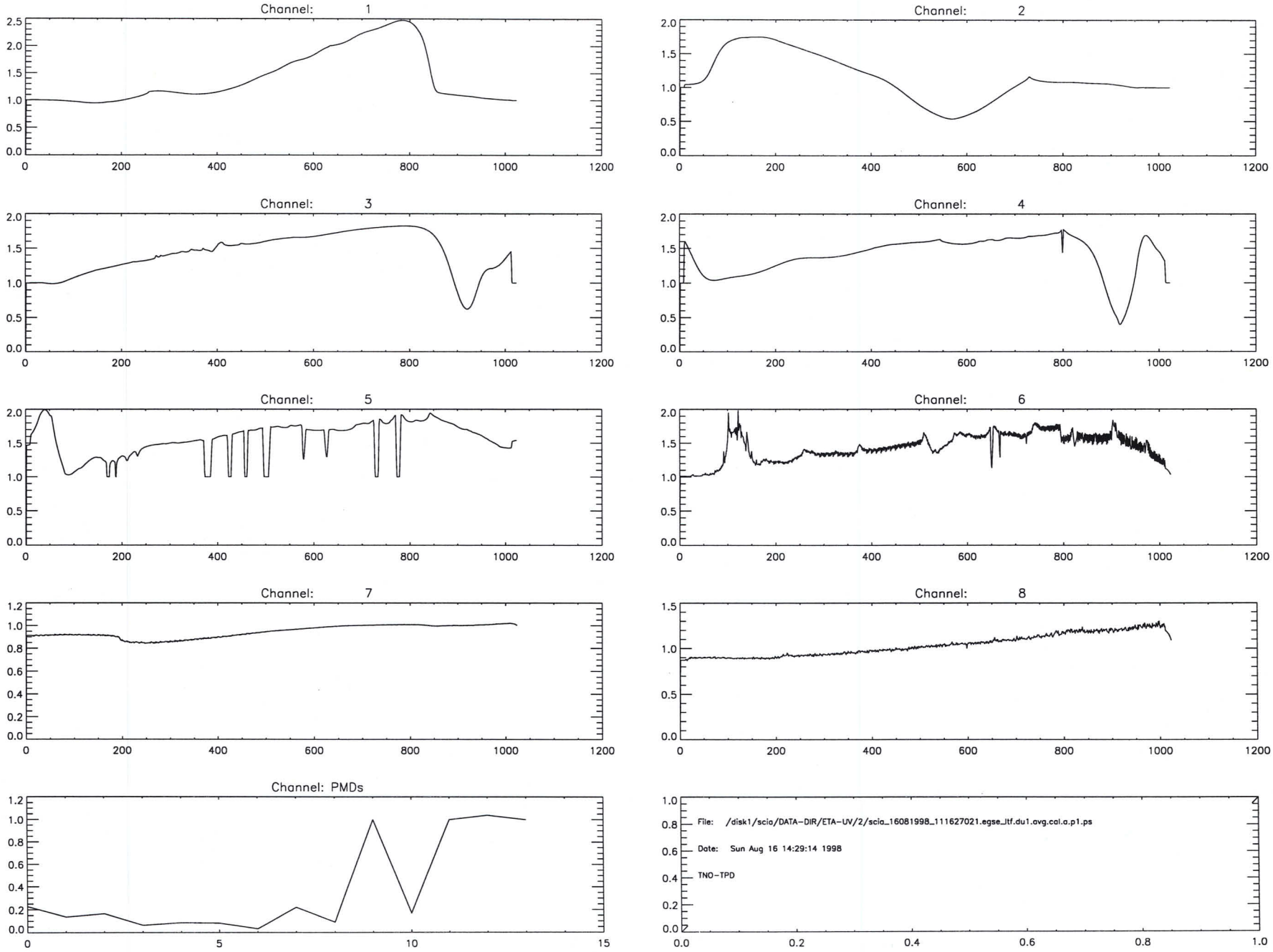
```
time       = Sun Aug 16 14:23:46 1998
batch      = wsa2
Start TOD = Sun 16-Aug-98 11:23:53
End   TOD = Sun 16-Aug-98 11:25:45
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:05 1998
batch      = wsc1
Start TOD = Sun 16-Aug-98 11:27:38
End   TOD = Sun 16-Aug-98 11:29:30
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:25 1998
batch      = wsc2
Start TOD = Sun 16-Aug-98 11:31:21
End   TOD = Sun 16-Aug-98 11:33:13
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:45 1998
batch      = wse1
Start TOD = Sun 16-Aug-98 11:35:08
End   TOD = Sun 16-Aug-98 11:36:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:25:05 1998
batch      = wse2
Start TOD  = Sun 16-Aug-98 11:38:49
End   TOD  = Sun 16-Aug-98 11:40:41
Processing= computation of average, standard dev. and rel.standard dev.
```


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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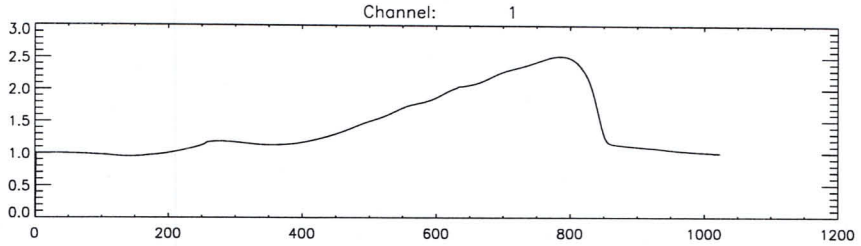
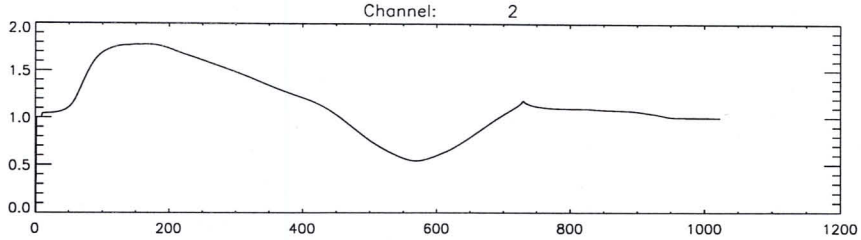
Date: Sun Aug 16 14:29:14 1998
TNO-TPD


Channel: 1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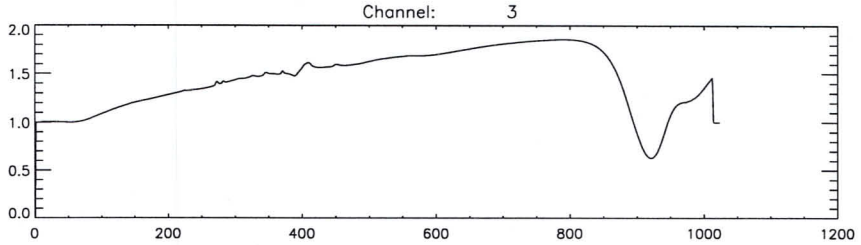
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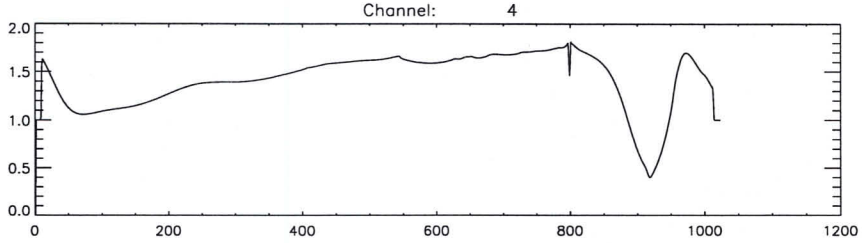
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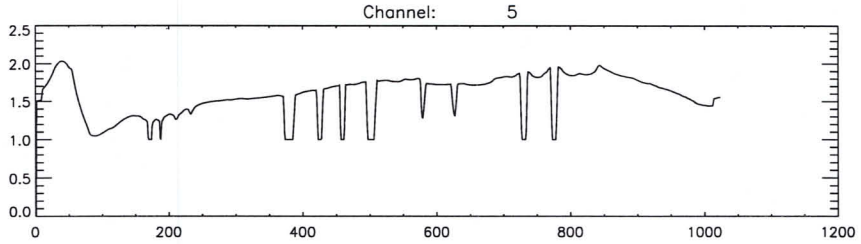
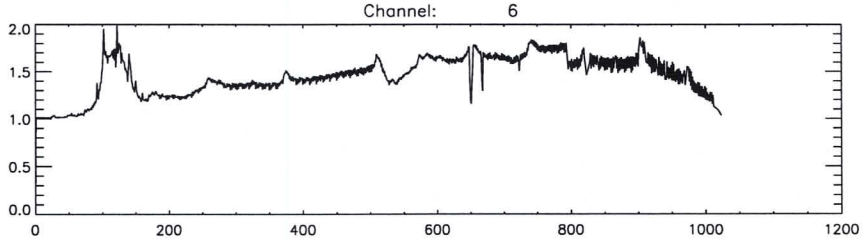
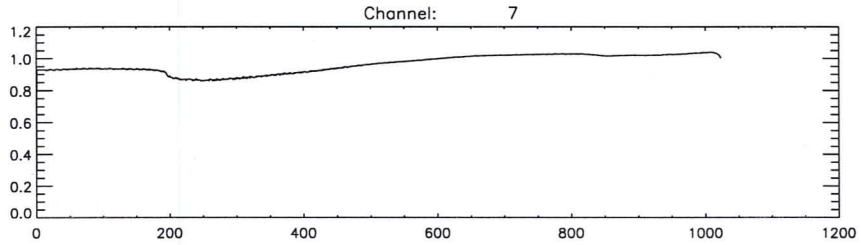

Channel: 5


Channel: 6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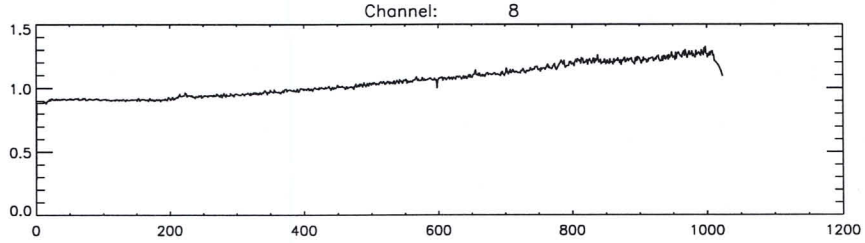
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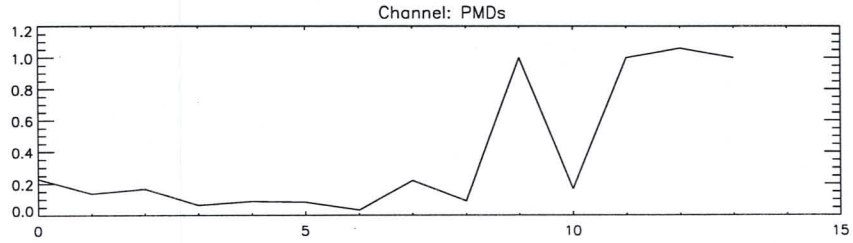
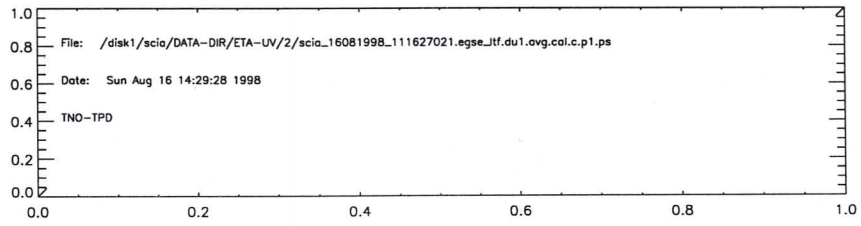
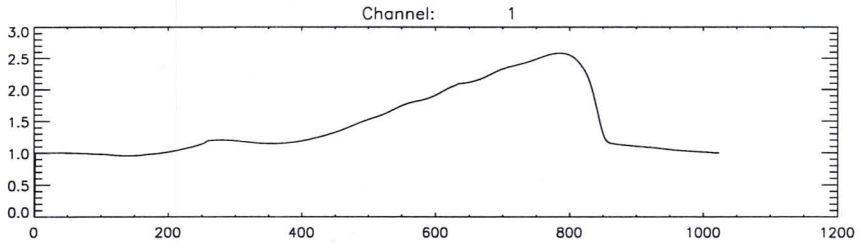
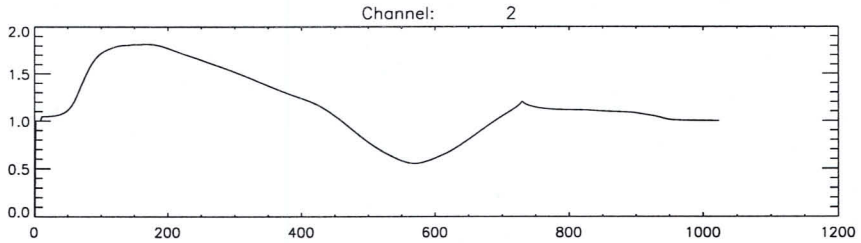

Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.ovg.cal.c.p1.ps
Date: Sun Aug 16 14:29:28 1998
TNO-TPD


Channel: 1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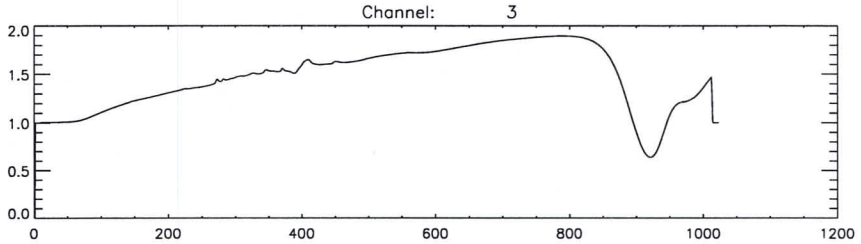
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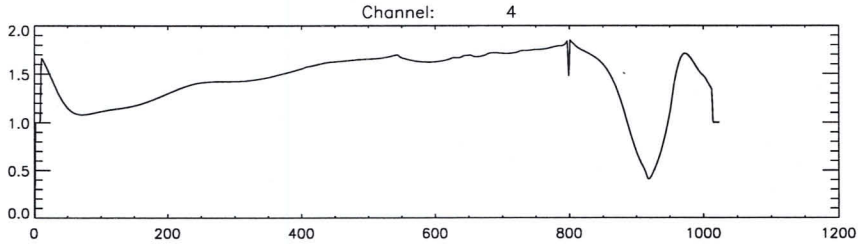
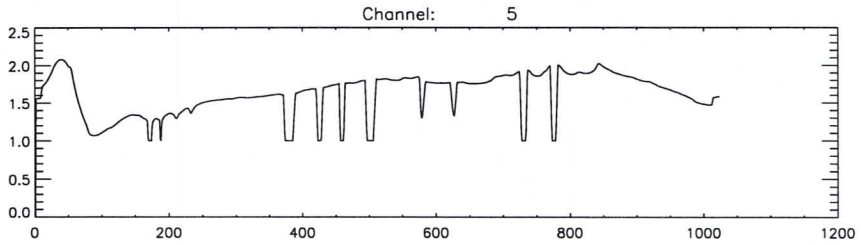

Channel: 4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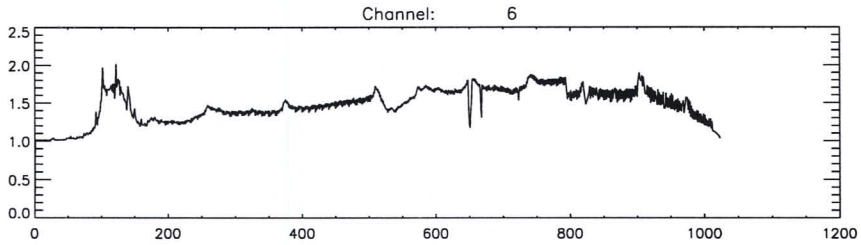
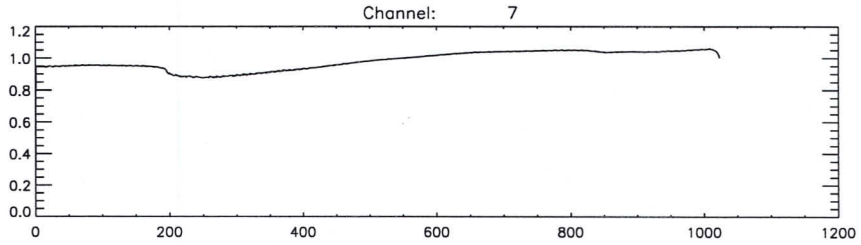
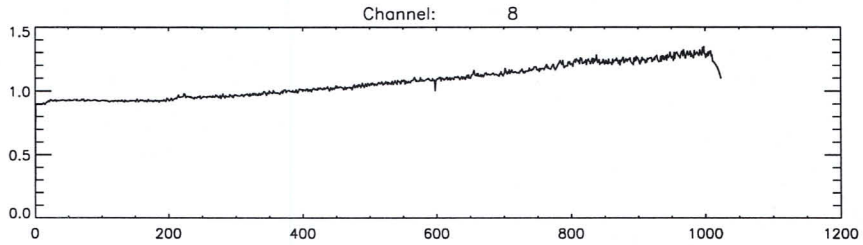
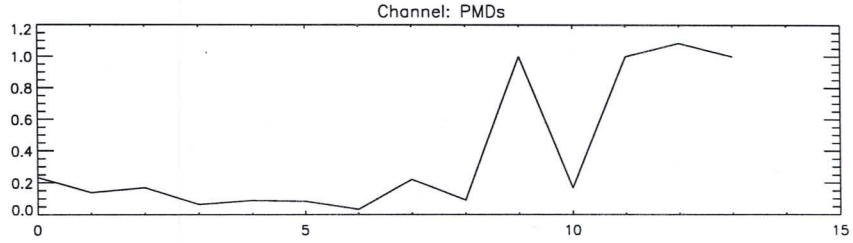
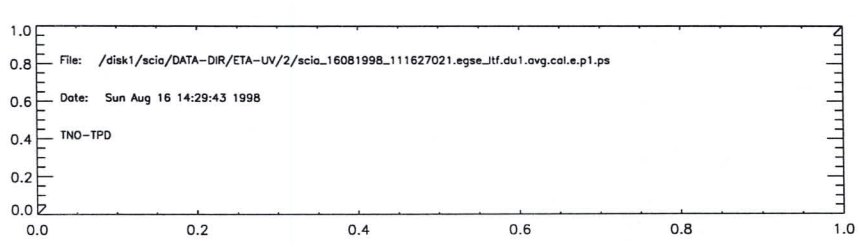

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.e.p1.ps
Date: Sun Aug 16 14:29:43 1998
TNO-TPD

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.a.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:28 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.c.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:42 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.e.p
```

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measurement filename
16-8-1998	EGSE nog steeds kapot om 10.00 wordt weer een DAPB board gewisseld. Nu lijkt alles weer te werken.	Marcel Dobber
	We waren 2 korte η metingen uit (minder repetities)	
	eta_IR	
	eta_uvvis	
	Beiden lijken OK, analyse gecompleteerd	
	Nu weer een lange η-uvvis meting, die is tot nu toe nog niet goed gegaan. Deze gaat ongeveer 8 uur lopen.	
	12.00 UTC gestart / gestopt ik at gedacht	
16-8-1998	ETH-IR gestart op ~~[illegible] UTC~~ 14.00 UTC	
	Gecrasched? 10.20h UTC Dus ~4.20h gelopen.	
	Op niemin maar nu rep. factor 4 ipv 10 goat ten koste van. signaal/ruis maar probeer = acceptabel? (volgens Marcel + Erik.)	
	Probeer in ieder geval deze Eta-IR oft e maken hiervan Δt van ~24h zodat deze tijd in ieder geval nuttig gebruikt kan worden.	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	16/08	Start kontrol MJD8 = ETA - IR. um. 19:20 UTC	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	16-08-00	ETA-UV 1 and 2 repetions 10 x and 2 x	
	22:30 UTC	For the following files are compared.	
		dui.avg.cal.a.pi.cal	
		dui.avg.cal.c.pi.cal	
		dui.avg.cal.e.pi.cal	
		the results of the ratio's are alle shortest wavelengths (lowest signals) do have spikes up to 0,3 %	

Set 1 => REP=10
Set 2 => REP= 2

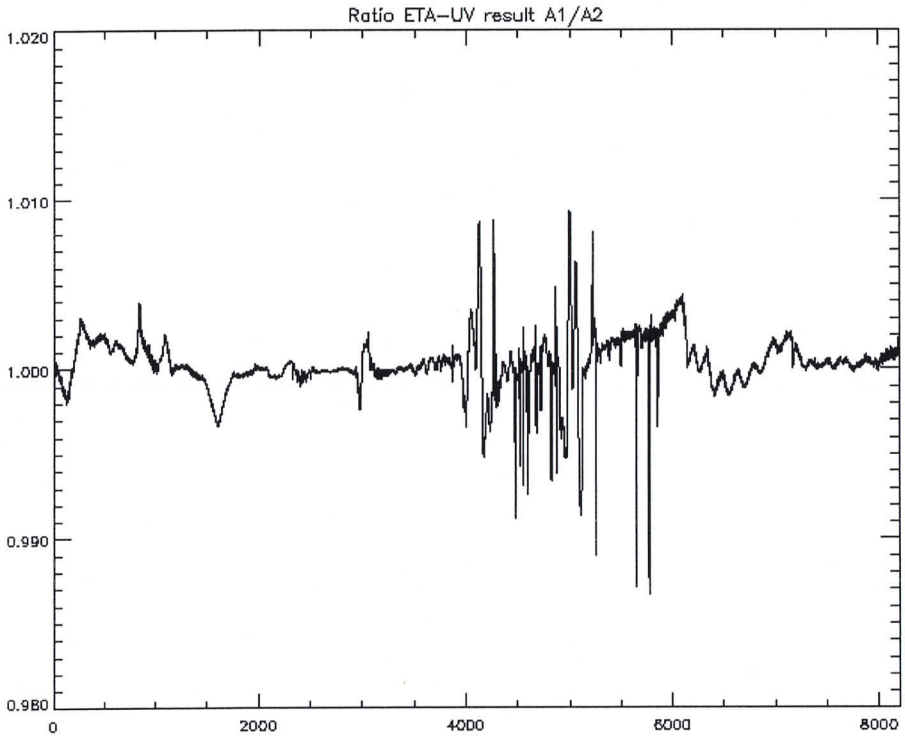
Marion3.pro

```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Sun Aug 16 23:23:20 1998
; by Marion Stoppelenburg
; compare the results of two ETA-UV measurements.

.compile cal_func
.compile cal_file_func

print
print, "select ETA-UV/1/.....du1.avg.cal.a.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-UV/1/.....du1.avg.cal.c.p1.cal"
print
record2= read_single_cal()

print
print, "select ETA-UV/1/.....du1.avg.cal.e.p1.cal"
print
record3= read_single_cal()

a1=fltarr(1024,8)
c1=fltarr(1024,8)
e1=fltarr(1024,8)

for i=0,7 do a1 (*,i)= record1.dm(i).data
for i=0,7 do c1 (*,i)= record2.dm(i).data
for i=0,7 do e1 (*,i)= record3.dm(i).data

print
print, "select ETA-UV/2/.....du1.avg.cal.a.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-UV/2/.....du1.avg.cal.c.p1.cal"
print
record2= read_single_cal()

print
print, "select ETA-UV/2/.....du1.avg.cal.e.p1.cal"
print
record3= read_single_cal()

a2=fltarr(1024,8)
c2=fltarr(1024,8)
e2=fltarr(1024,8)

for i=0,7 do a2 (*,i)= record1.dm(i).data
for i=0,7 do c2 (*,i)= record2.dm(i).data
for i=0,7 do e2 (*,i)= record3.dm(i).data

b1=where(a1 lt 0.01)
b2=where(c1 lt 0.01)
b3=where(e1 lt 0.01)
a1(b1)=1.0
c1(b2)=1.0
e1(b3)=1.0

b1=where(a2 lt 0.01)
```

```
b2=where(c2 lt 0.01)
b3=where(e2 lt 0.01)
a2(b1)=1.0
c2(b2)=1.0
e2(b3)=1.0

a0 = a1/a2
e0 = e1/e2
c0 = c1/c2
window, 0
plot, a0, yrange=[0.98,1.02], title="Ratio ETA-UV result A1/A2"
window, 1
plot, c0, yrange=[0.98,1.02], title="Ratio ETA-UV result C1/C2"
window, 2
plot, e0, yrange=[0.98,1.02], title="Ratio ETA-UV result E1/E2"
```

ppc = 0°

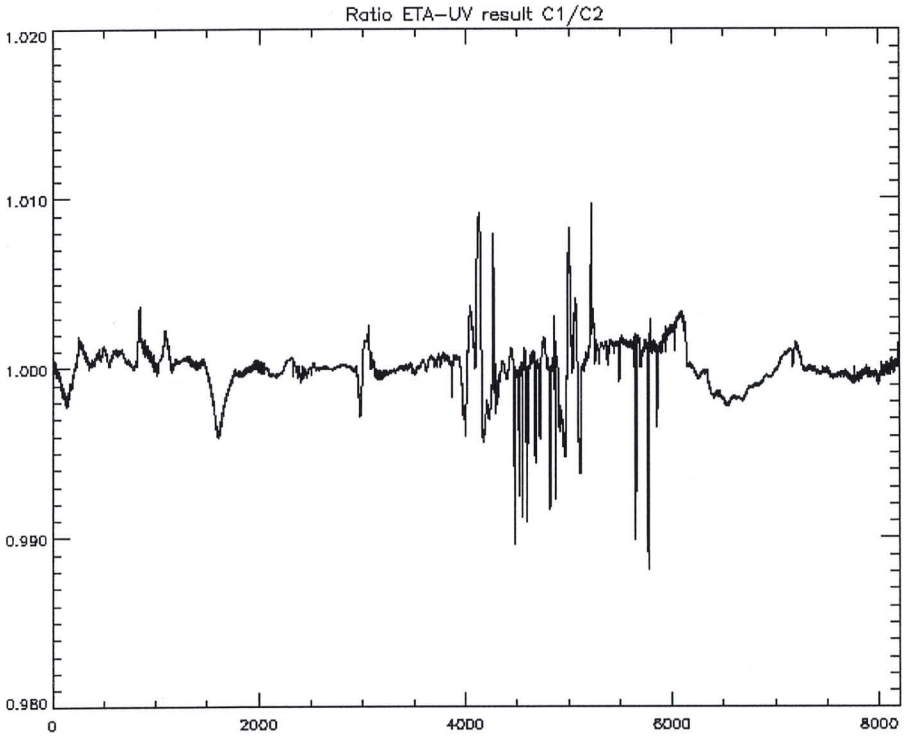
cH ?


Ratio ETA-UV result A1/A2
1.020
1.010
1.000
0.990
0.980
0
2000
4000
6000
8000

ppc = 12,50

d) ≤ 360

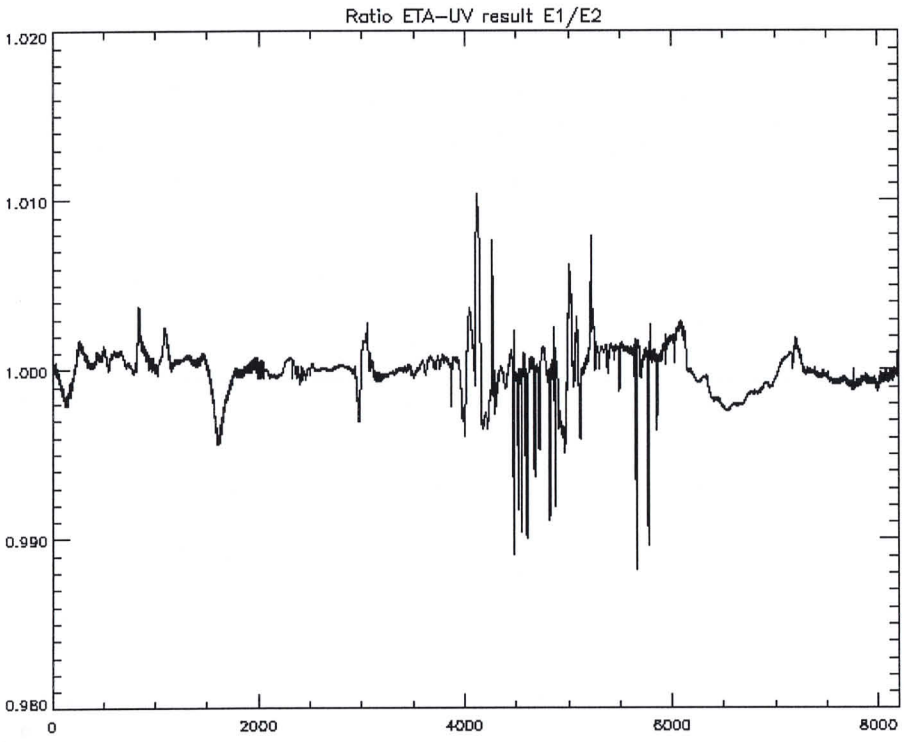
cH 1,2



ppc = 18,3°

400 ≤ λ ≤ 1000

cH 3,4,5



Formal Run of Measurement

(Measurement ID) Eta_uv_vis

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	1									
Repetitions	1	4								

State Parameters for States used in Timeline (State ID must be given)

Eta_uv_vis

Step 12-1

U106

Channel	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	2	1						
1b	2	1						
2b	0,5	4						
2a	0,5	4	✓					
3	0,125	16						
4	0,625	32						
5	0,03125	32						
6	H1	32						
7	H7	32						
8	H8	32						
State ID								

Configuration

2 x 32 meas Solar

Stimuli Settings for Existing Blocks in Measurement

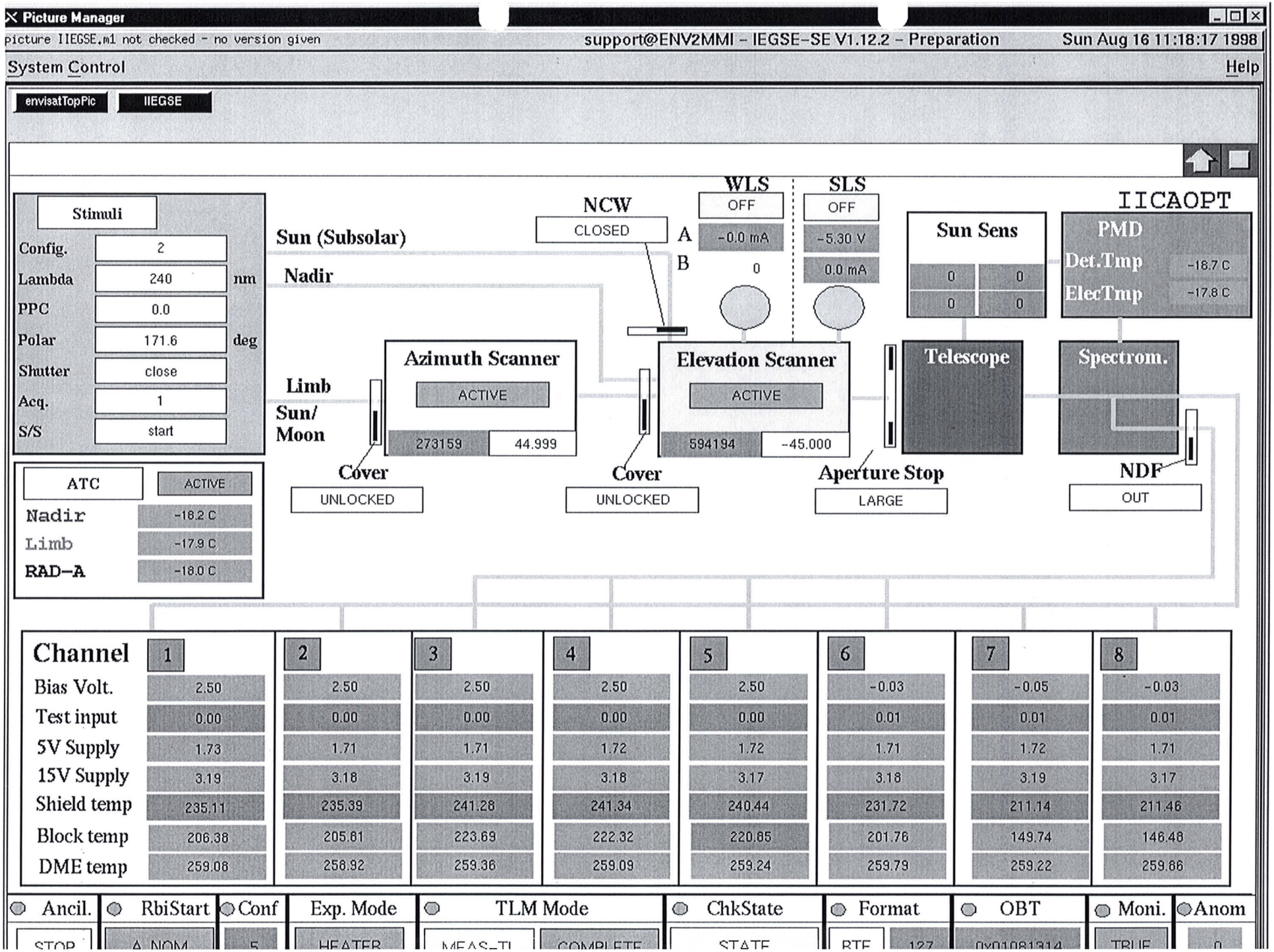
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2		171,6						2		
2.1	2		171,6						2		
2.2	2		85,4						2		
3.1	2		171,6						2		
3.2	2		85,4						2		
4.1	2		171,6						2		
4.2	2		85,4						2		
5	2		85,4						2		

Measurement Data Description

Test Purpose	
Remark	U106
Data Directory	0228

Signatures

	Date	Signature
Issued	16-8	
< Performed	16/8/98	


Picture Manager
picture IIEGSE.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 16 11:18:17 1998
System Control
Help
envisatTopPic
IIEGSE
Stimuli
Config. 2
Lambda 240 nm
PPC 0.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.30 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.11 235.39 241.28 241.34 240.44 231.72 211.14 211.46
Block temp 206.38 205.81 223.69 222.32 220.85 201.76 149.74 146.48
DME temp 259.08 258.92 259.36 259.09 259.24 259.79 259.22 259.66
Ancil.
RbiStart
Conf
Exp. Mode
TLM Mode
ChkState
Format
OBT
Moni.
Anom
STOP
A_NOM
5
HEATER
MEAS_TL
COMPLETE
STATE
RTE
127
0x01081314
TRUE
0

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Ralph Snel 16-08-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-16081998_1116 27021.dat 11380196 0.dat (A)	
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB

Sign:		
	Name	Ralph Snel
	Date and time	16-08-98, 11:57
	Signature	RS

MASTER

ETA-UV

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Gi	
	Date:	16/8/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scra_16081998_11162702l.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/ETA-UV/ ;` `ls -l`		Note: In window DATA-DIR
	highest number in directory?	1	(B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	2	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	~/DATA-DIR/ETA-UV/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file	scra_16081998_11162702l.egse_ltf	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* (D)
	<D> should be <A>.egse_ltf	Y / N	
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal` size:	ok	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal` size:	ok	should be approx 150Kb

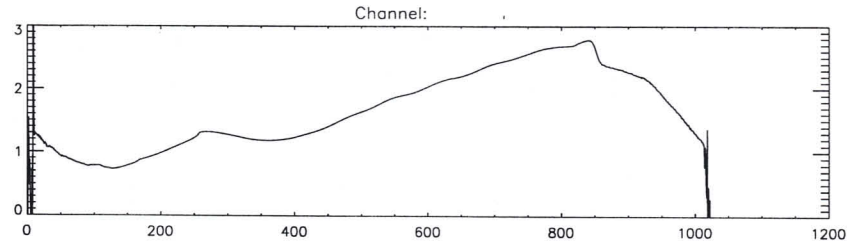
ETA-UV

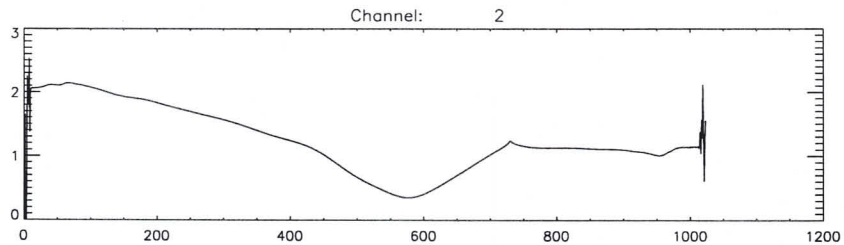
? cal.[ace].p1.cal.log ?

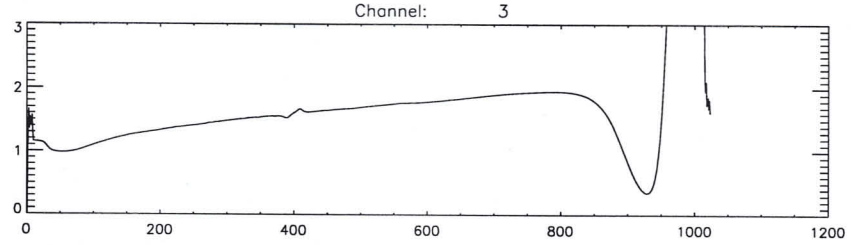
	Size of file `<D>.du*.avg.cal.[a|c|e].p1.log`	901 bytes
	Size of file `<D>.du*.avg.cal.[a|c|e].p1.ps`	~~901~~ ~150 kb
Check ETA visually	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (in channels 1-4)	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	Y / N

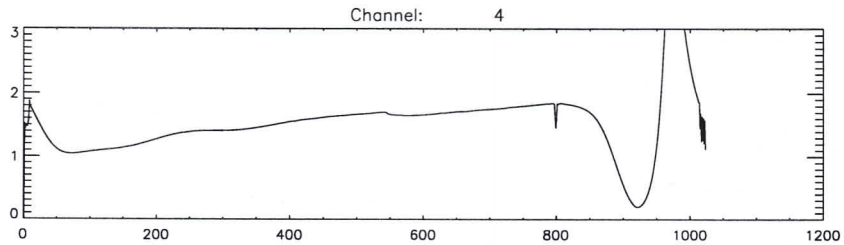
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp
	Name of backup CDs	16089B

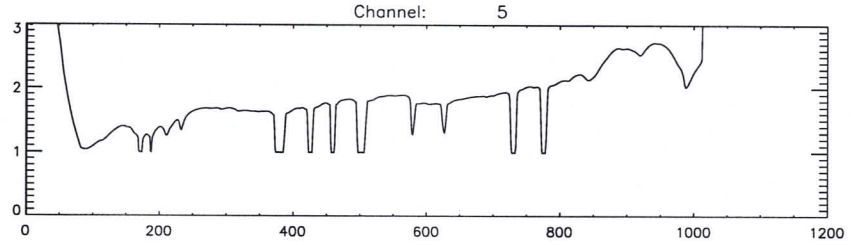
Sign:	Name	
	Date and time	
	Signature	

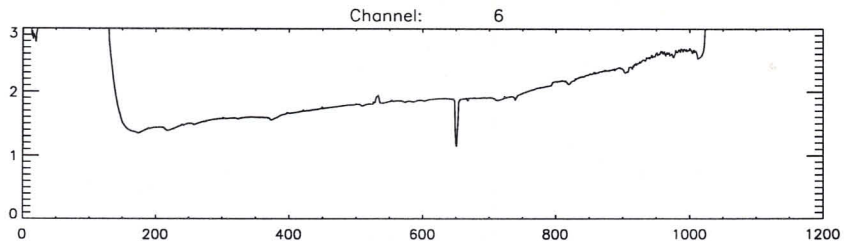


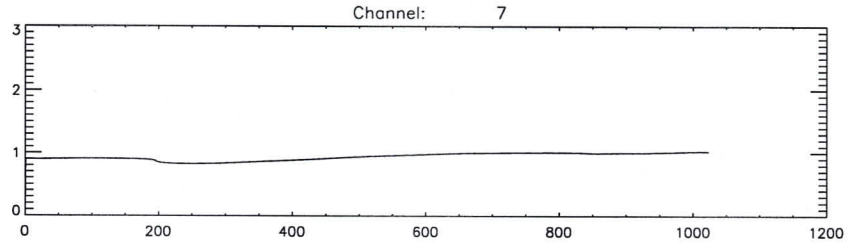


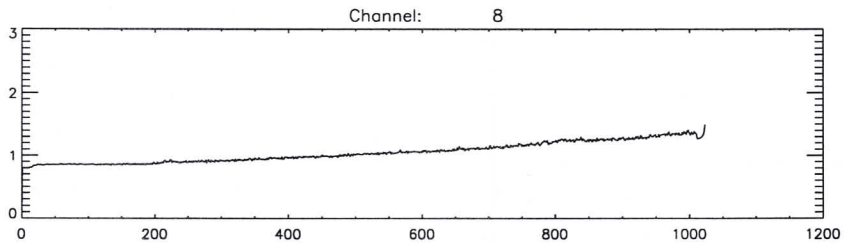


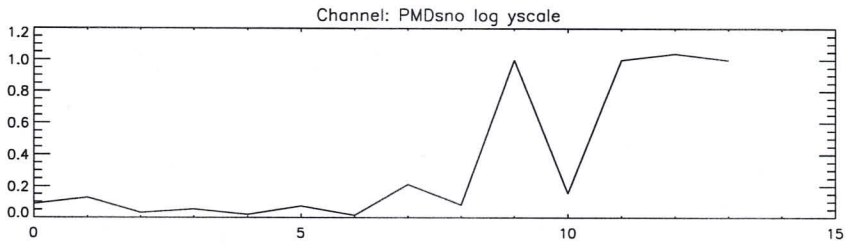


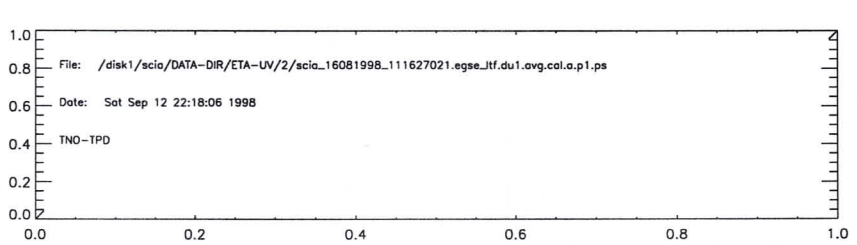












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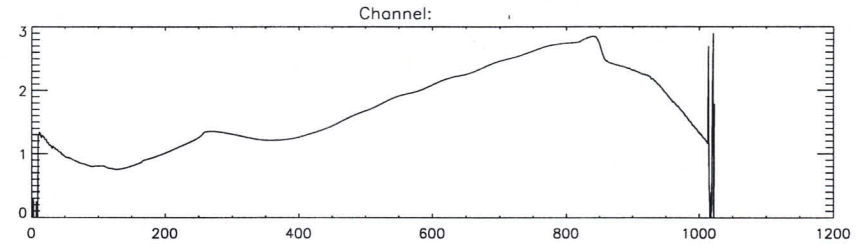
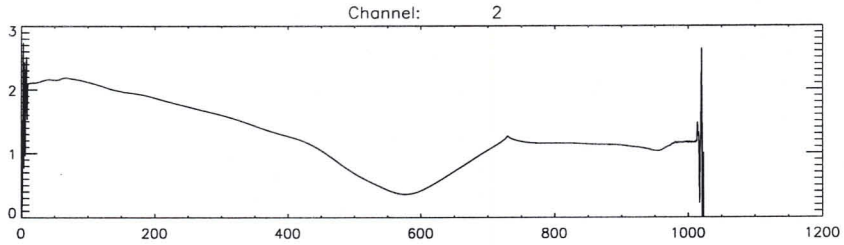
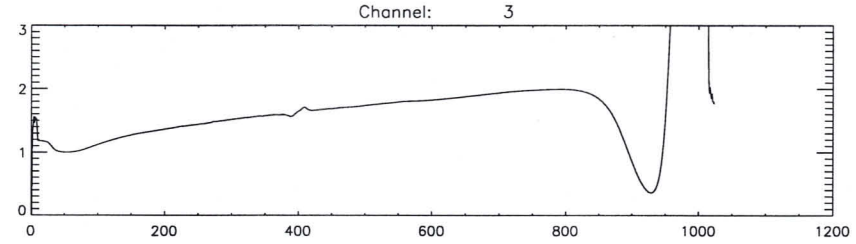
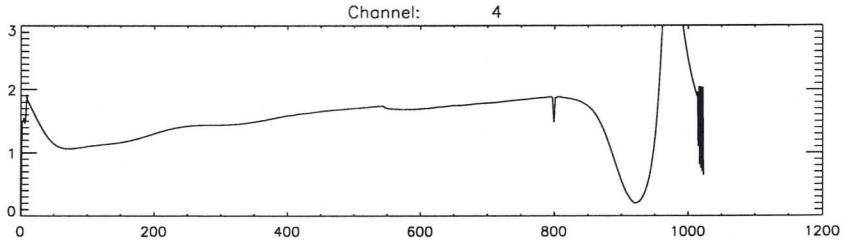
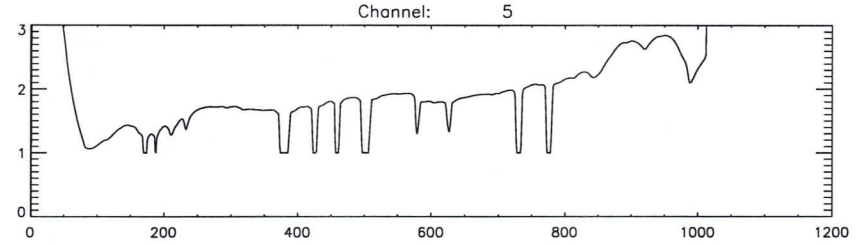

Channel:


Channel: 2


Channel: 3


Channel: 4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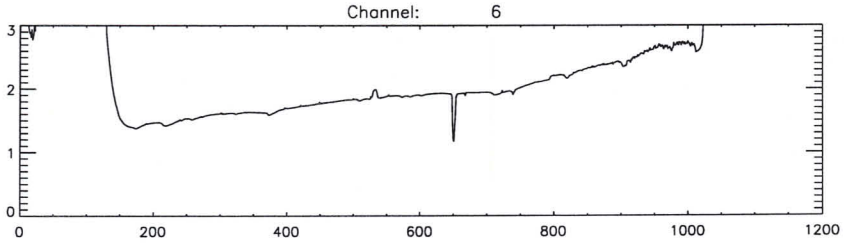
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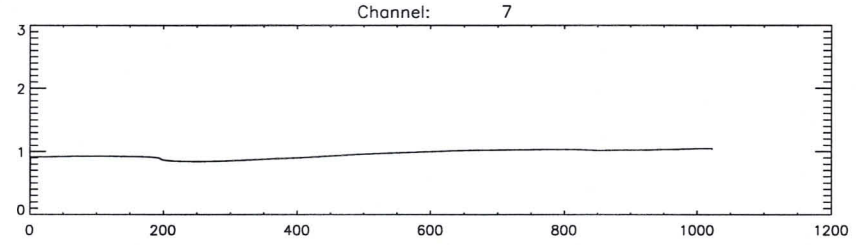
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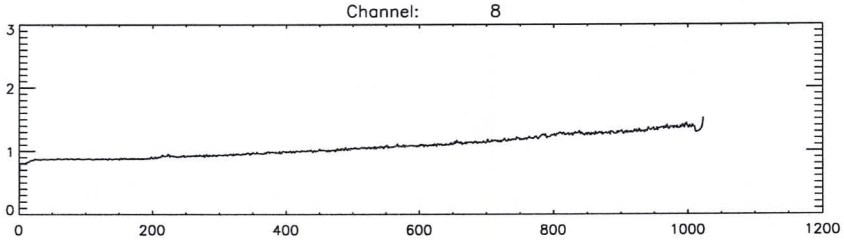
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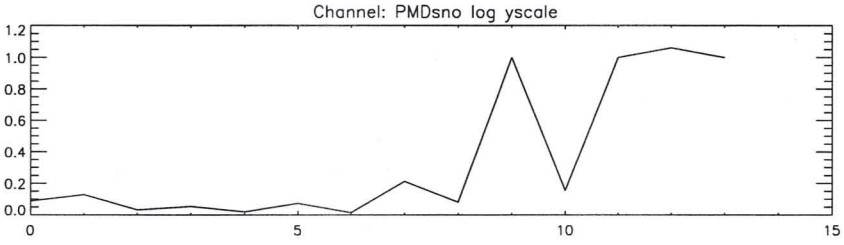
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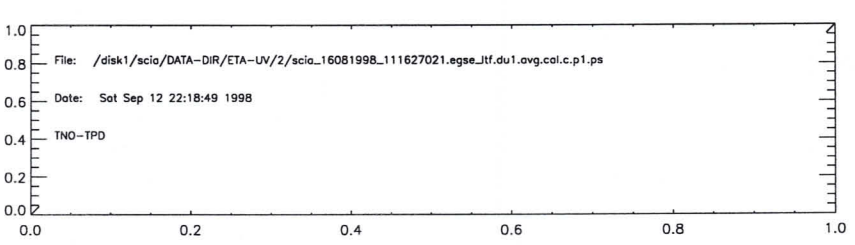
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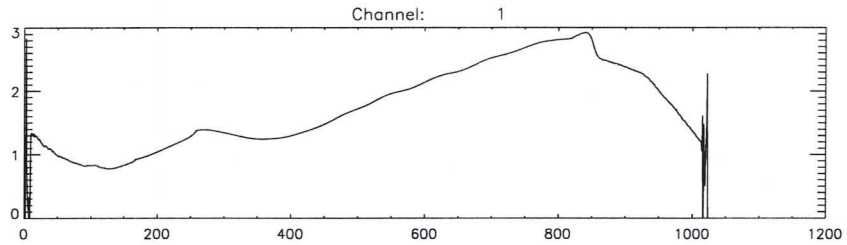
Date: Sat Sep 12 22:18:49 1998
TNO-TPD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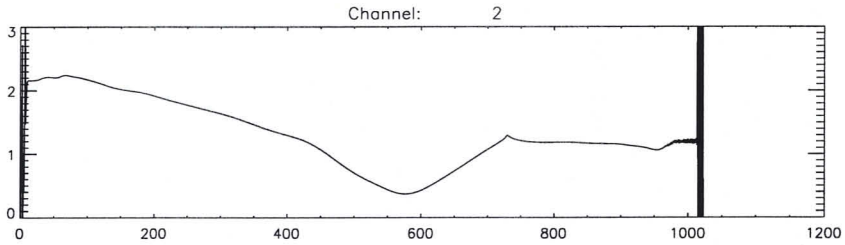
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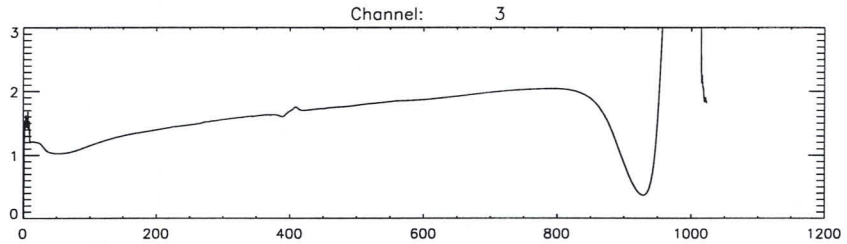
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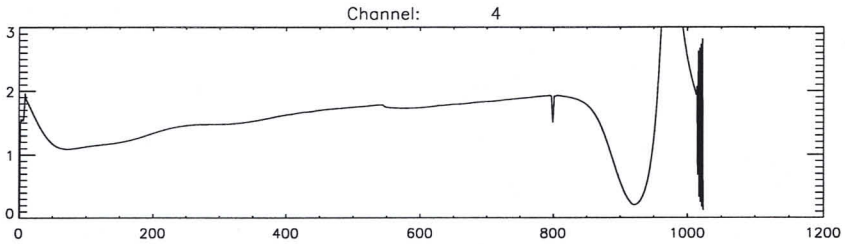
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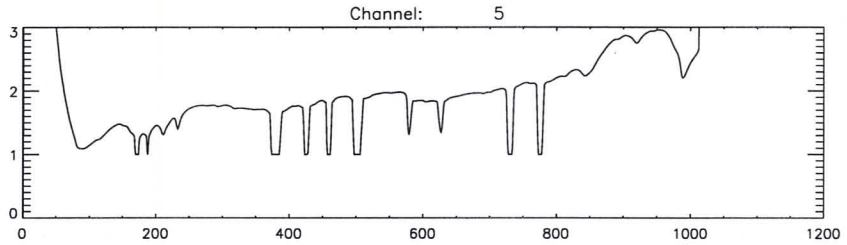
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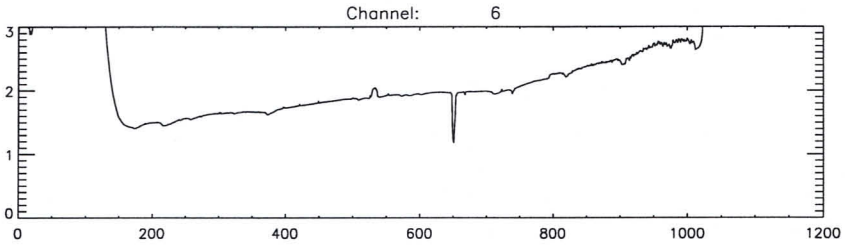
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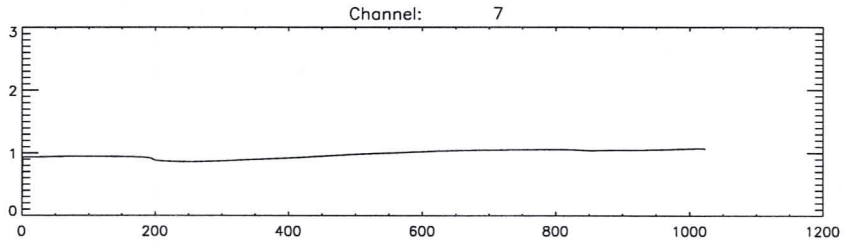
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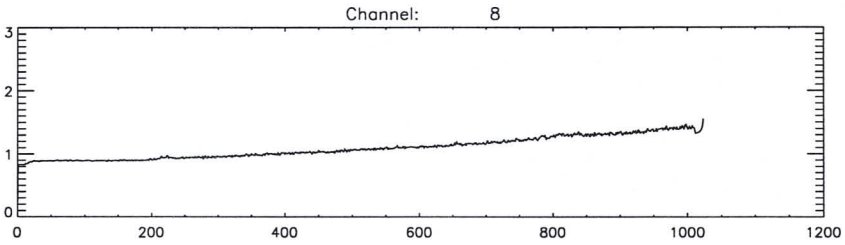
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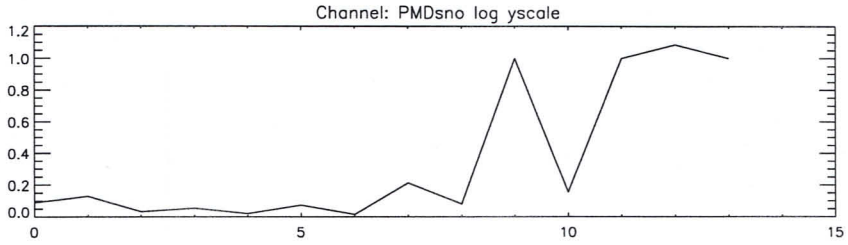
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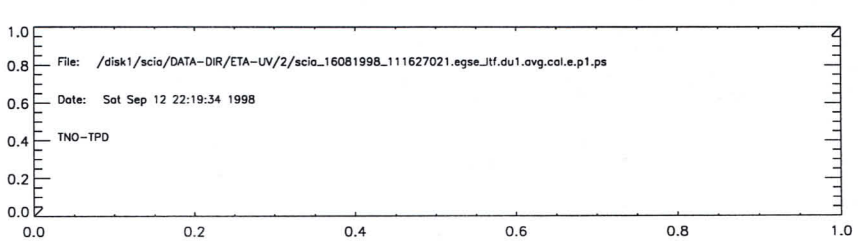
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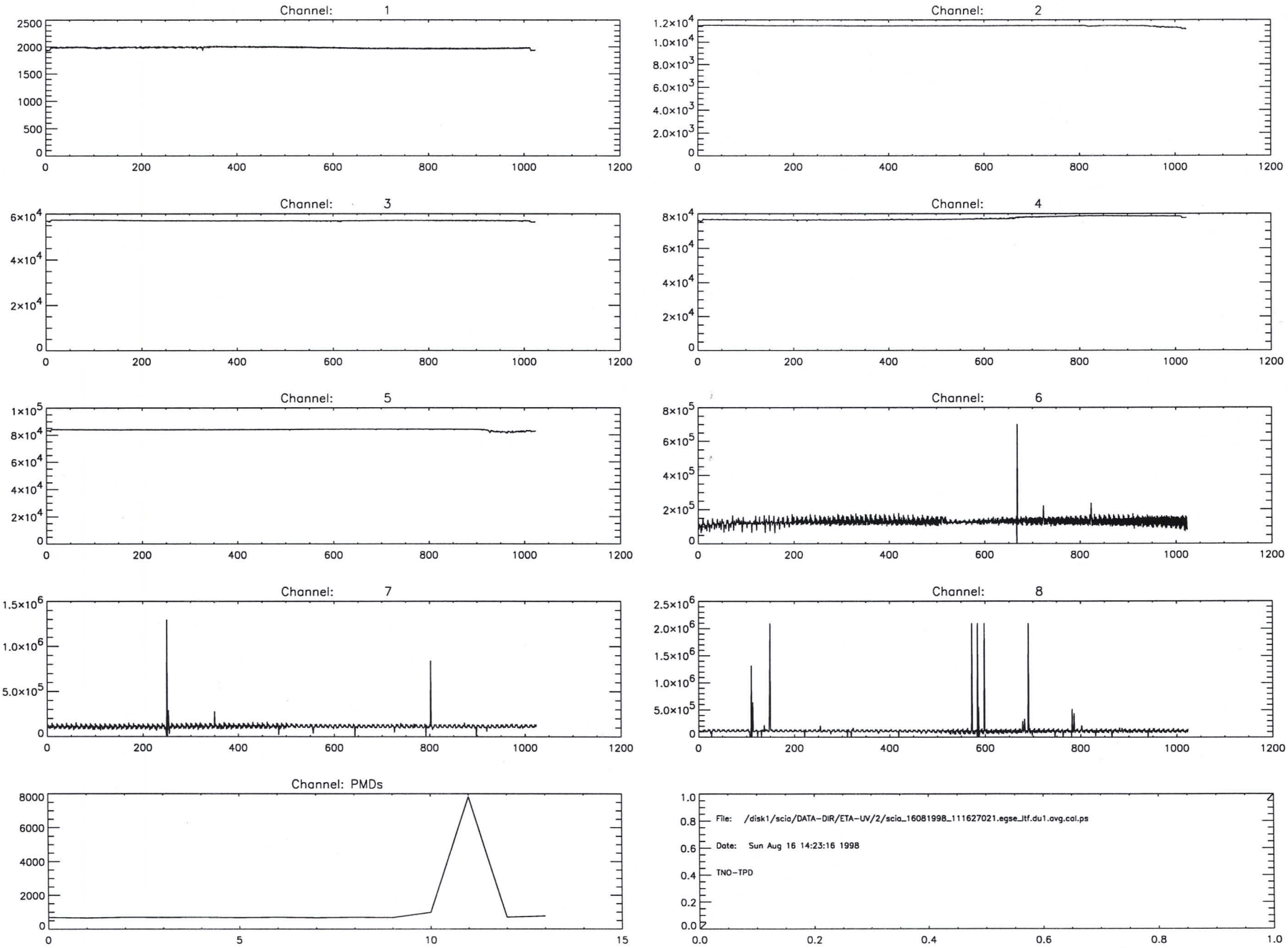
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Channel: 6
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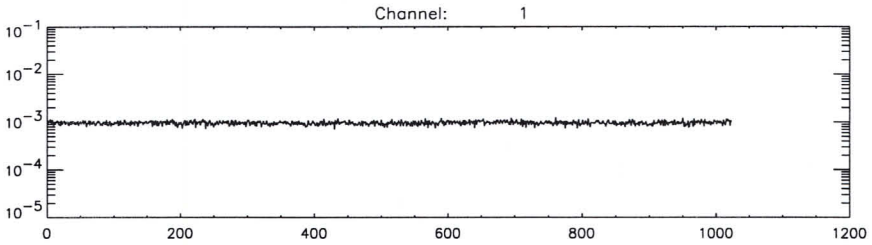
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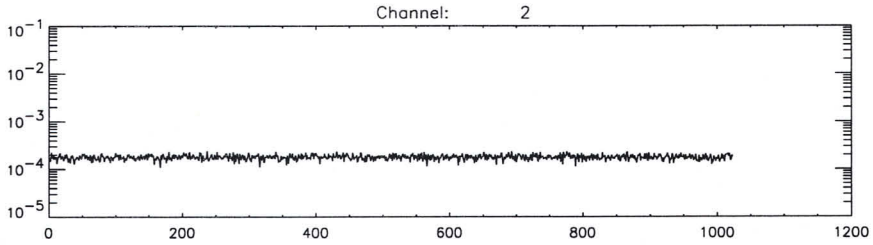
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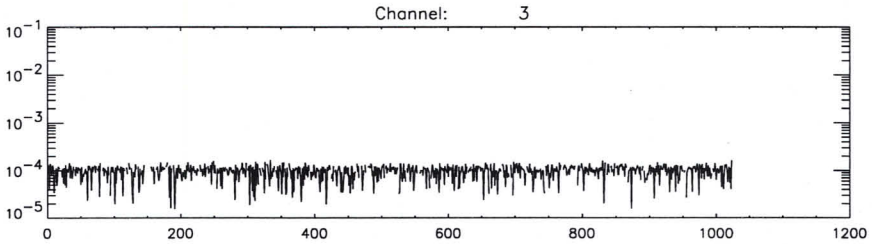
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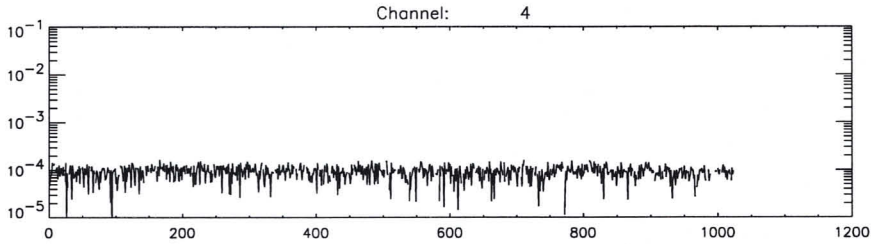
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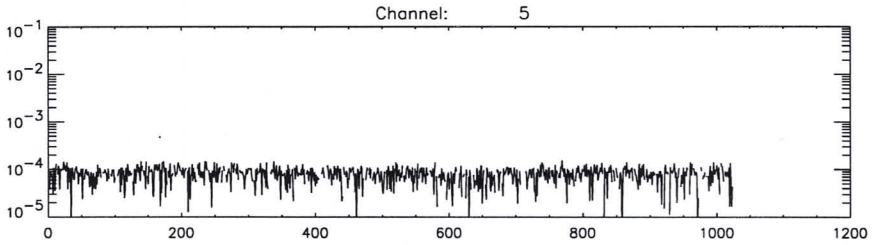
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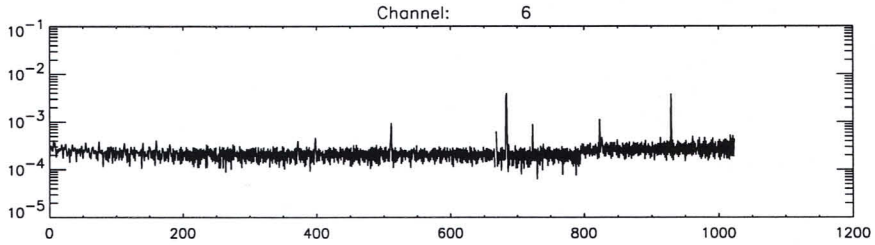
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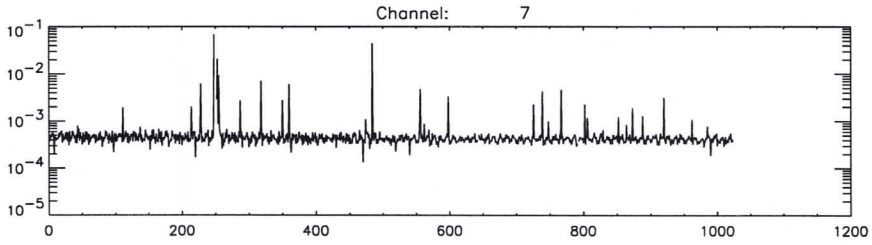
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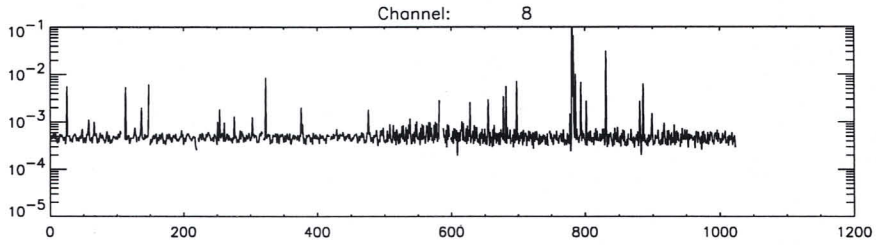
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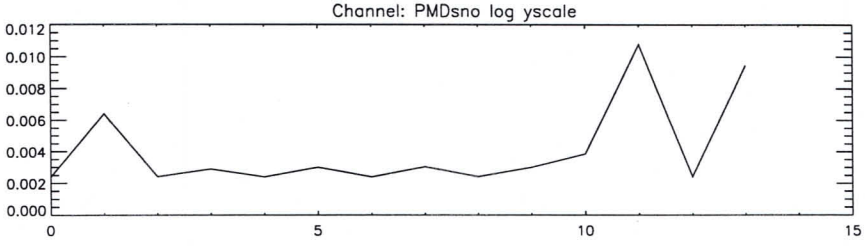
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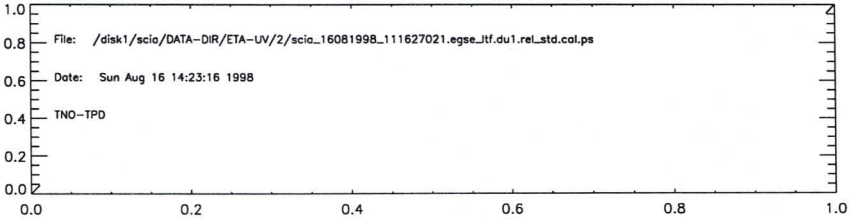
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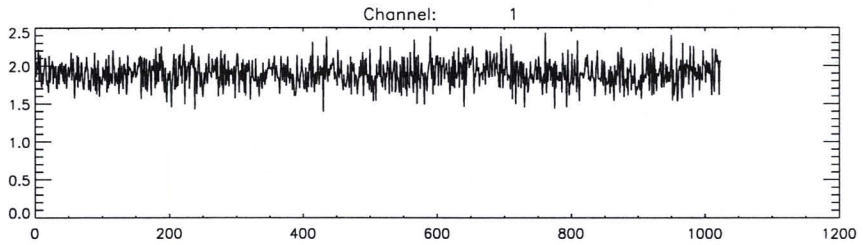
TNO-TPD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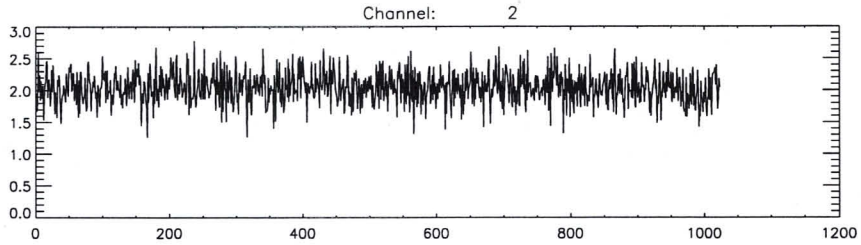
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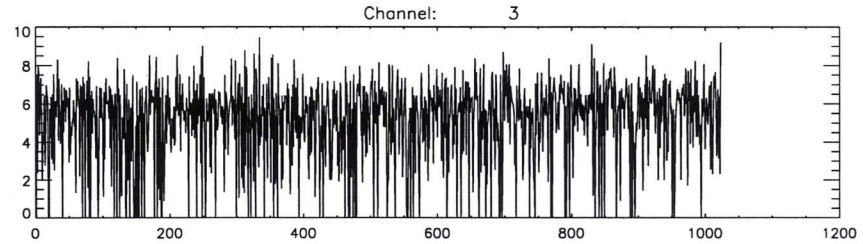
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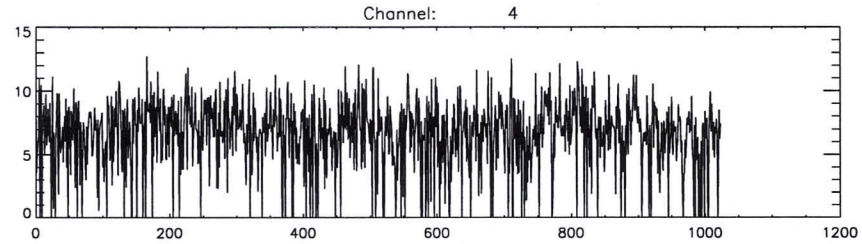
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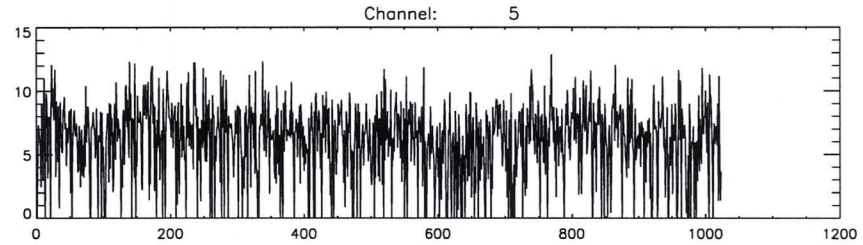
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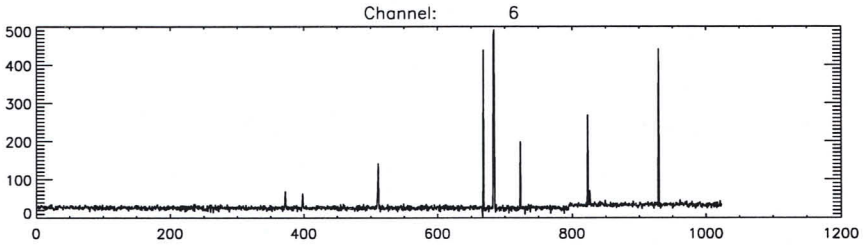
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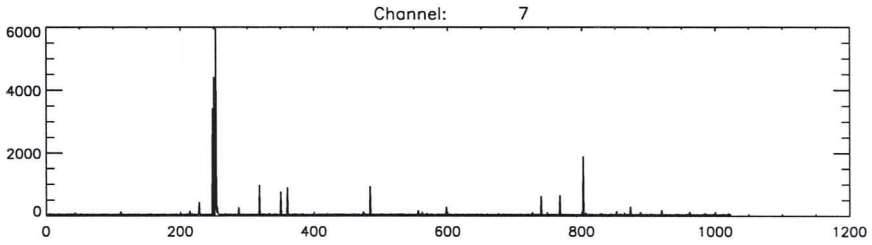
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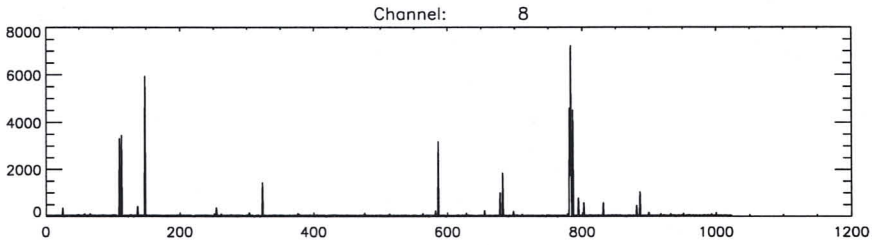
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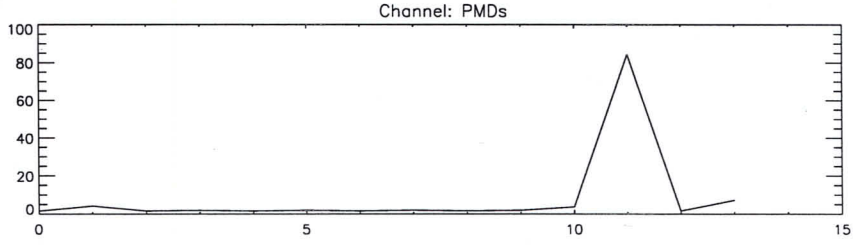
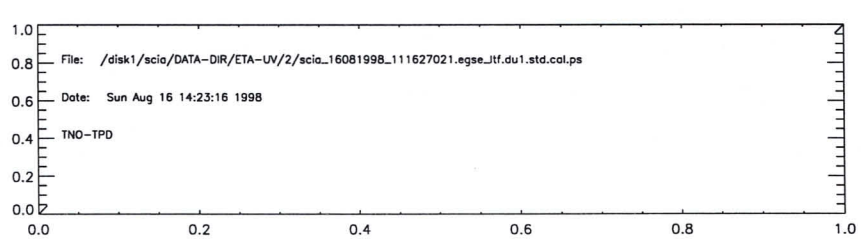

Channel: PMDs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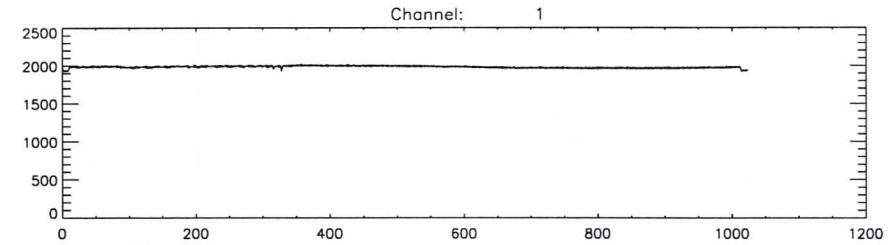
Date: Sun Aug 16 14:23:16 1998
TNO-TPD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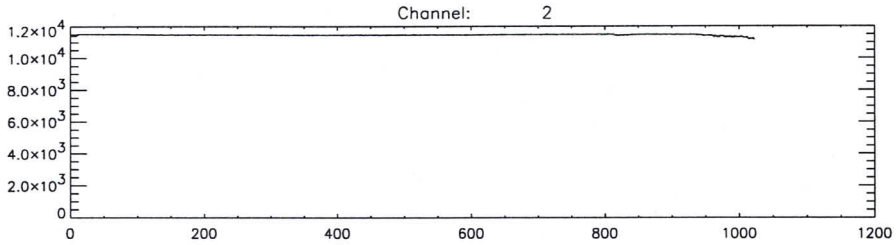
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600
800
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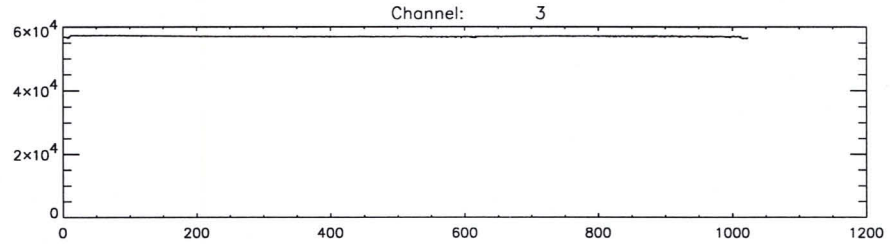
1200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2×10^4
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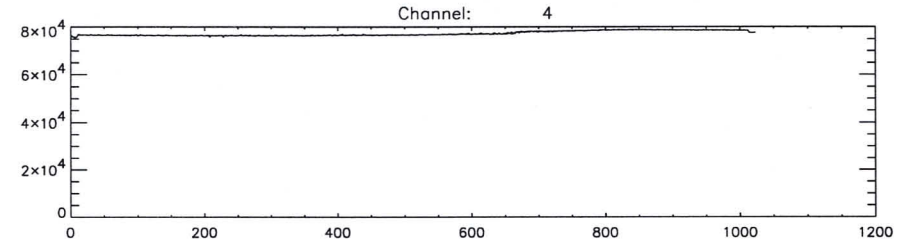
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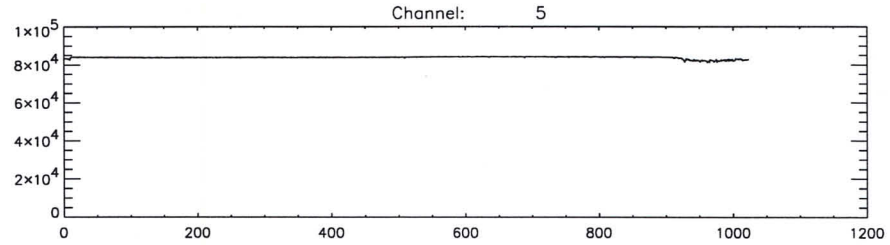
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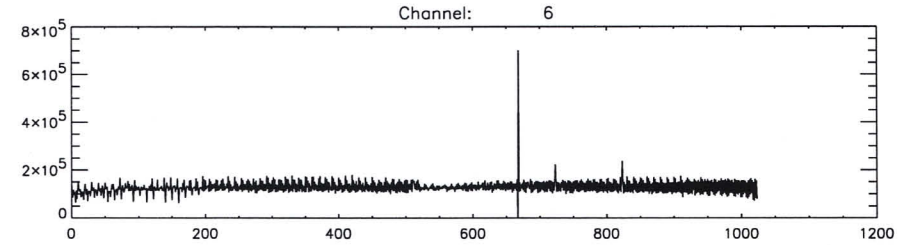
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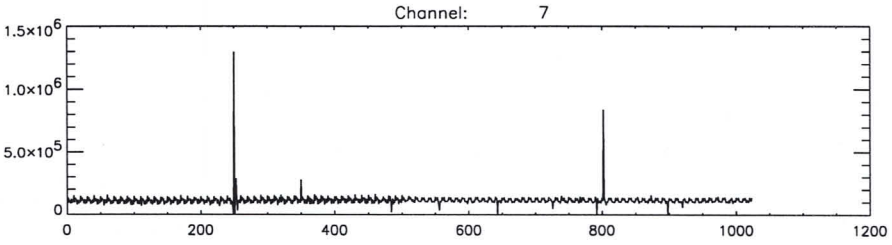
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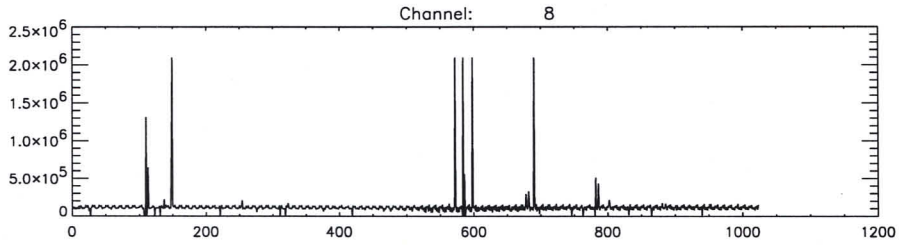
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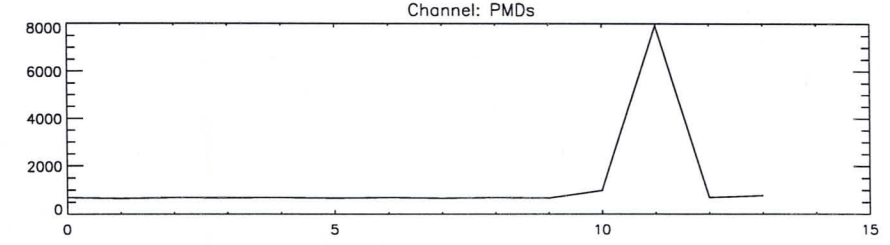
Channel: PMDs
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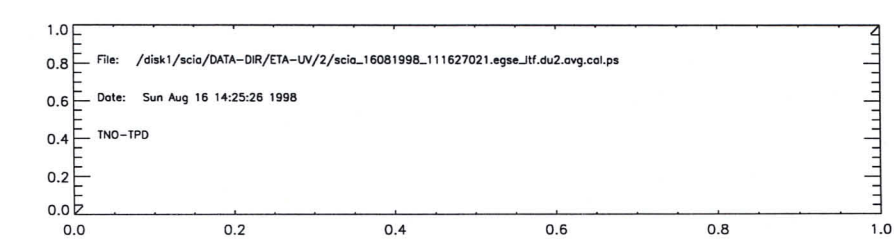
15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TNO-TPD
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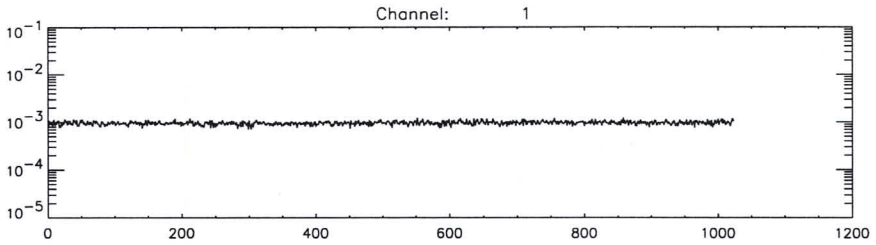
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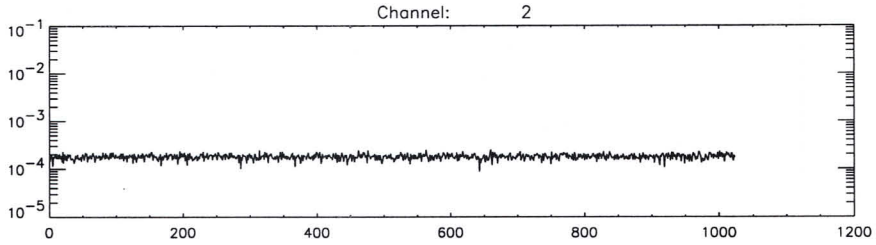
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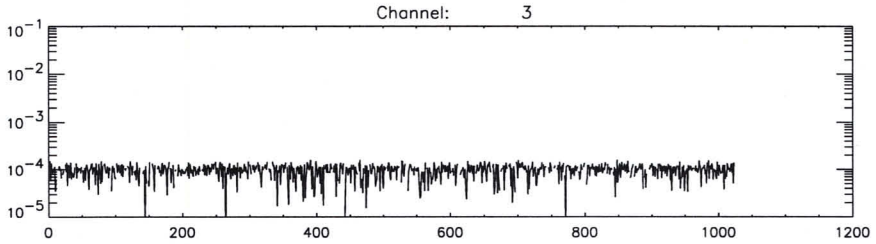
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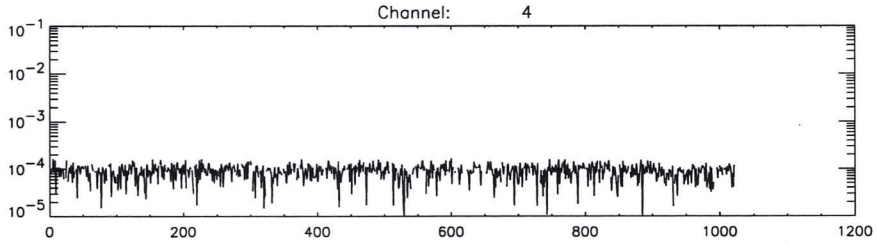
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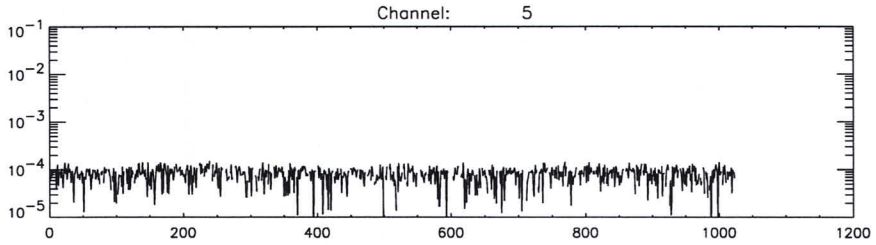
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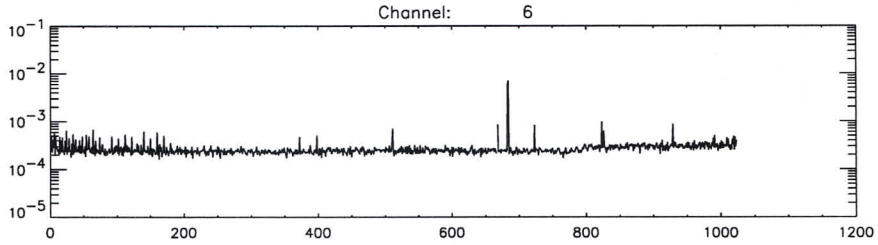
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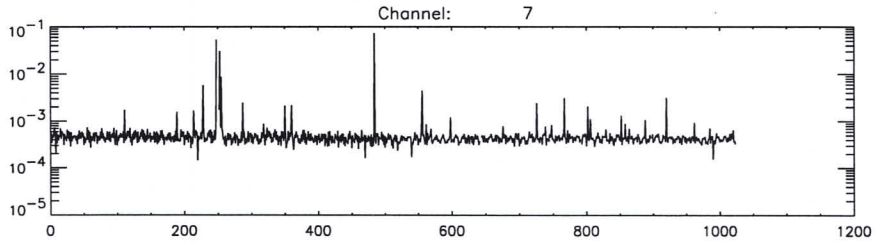
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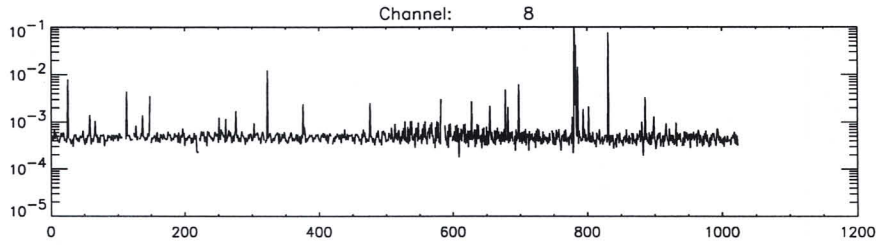
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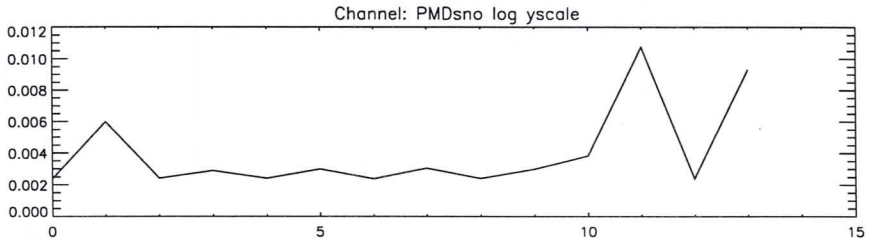
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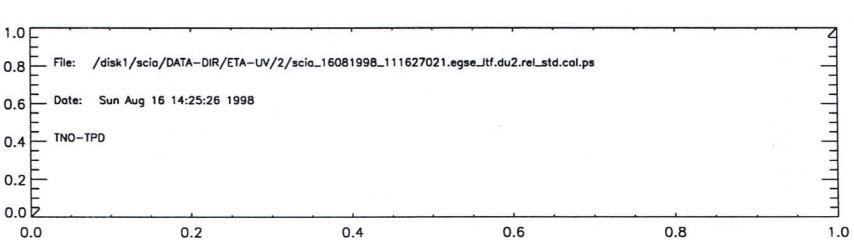
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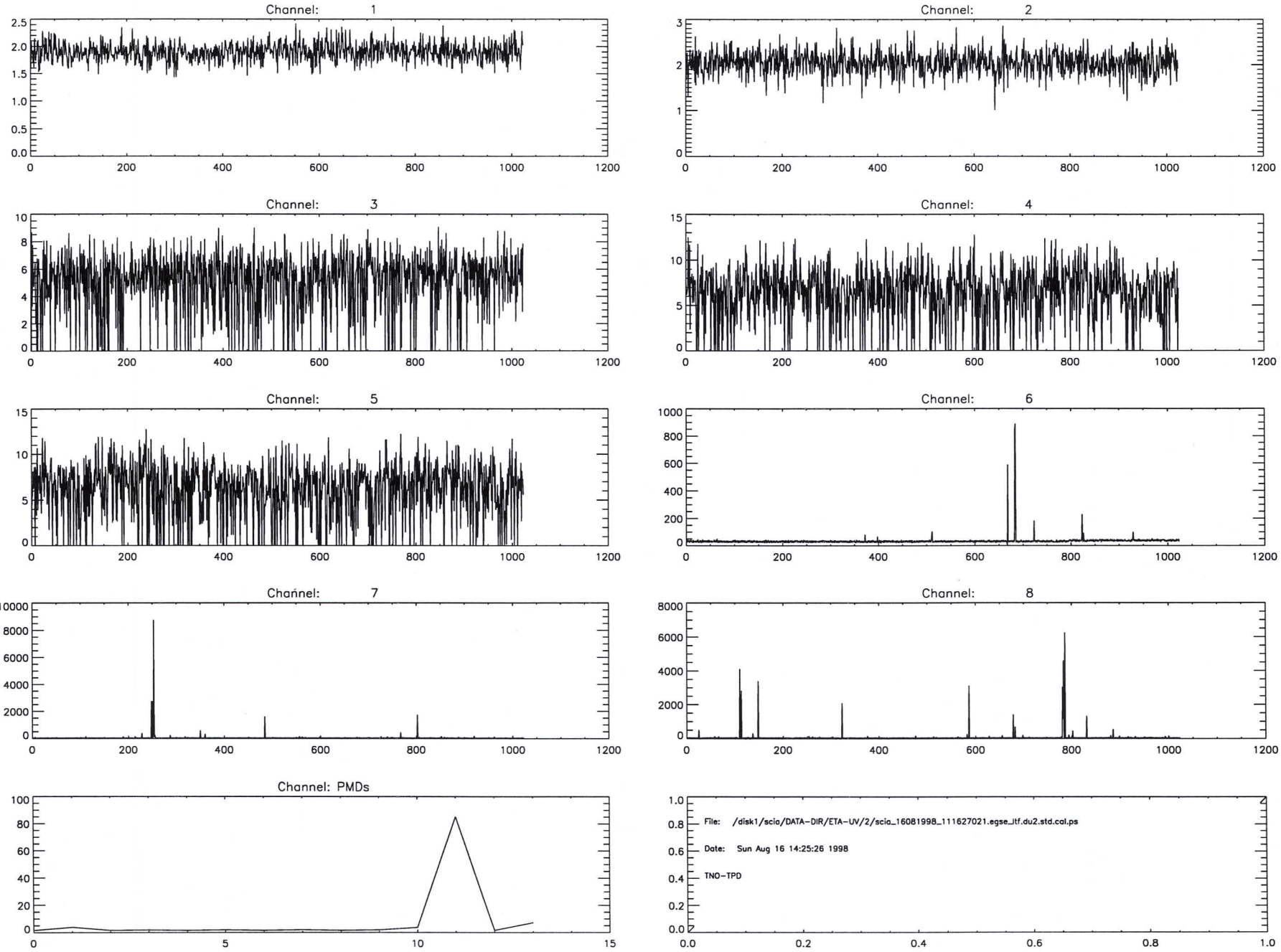
Date: Sun Aug 16 14:25:26 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
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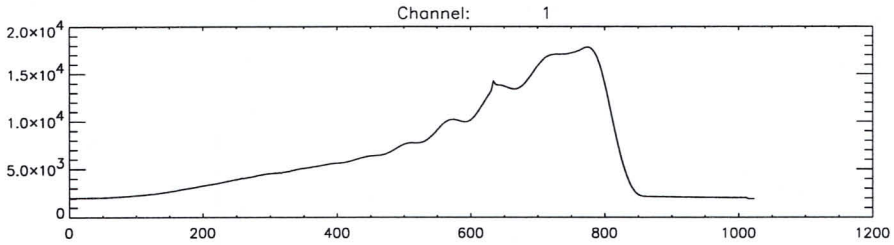
Date: Sun Aug 16 14:25:26 1998
TNO-TPD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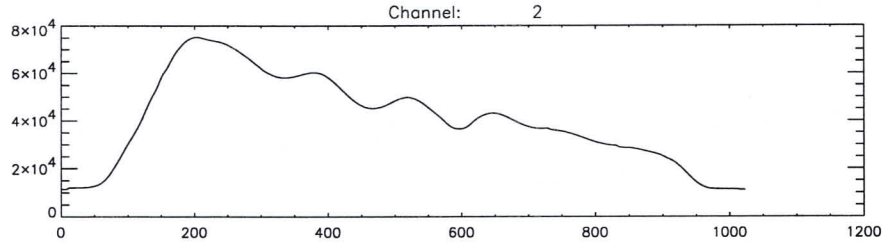
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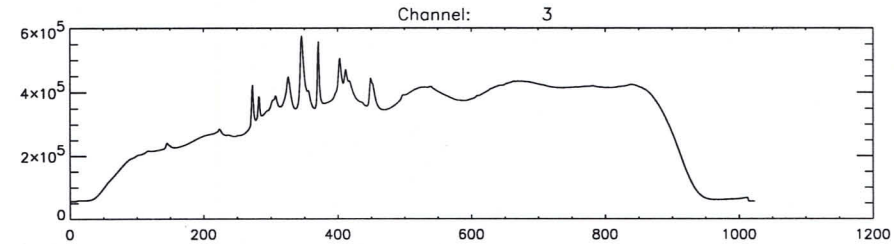
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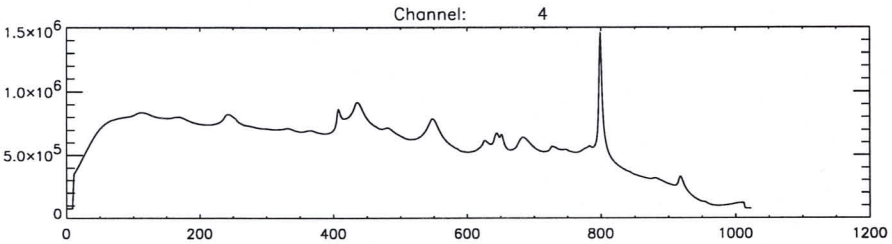
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5.0x10^5
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1000
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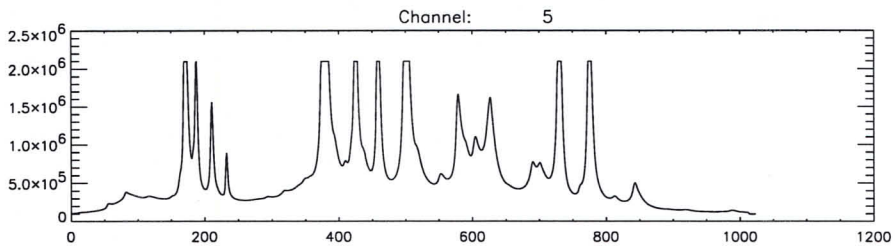
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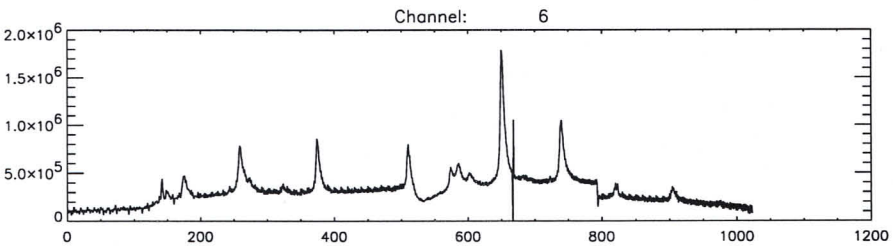
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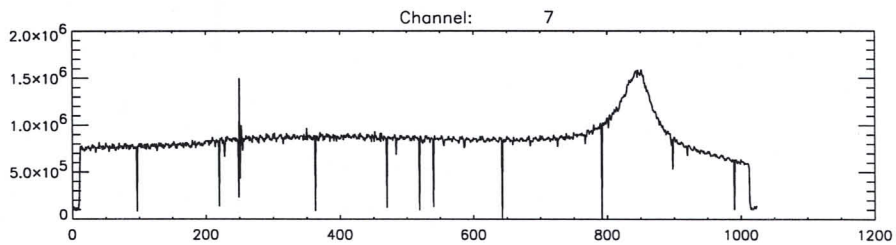
Channel: 7
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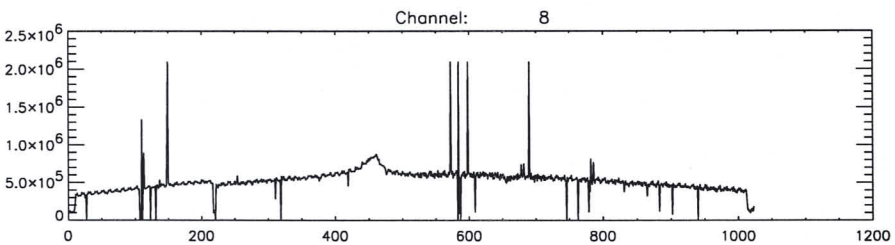
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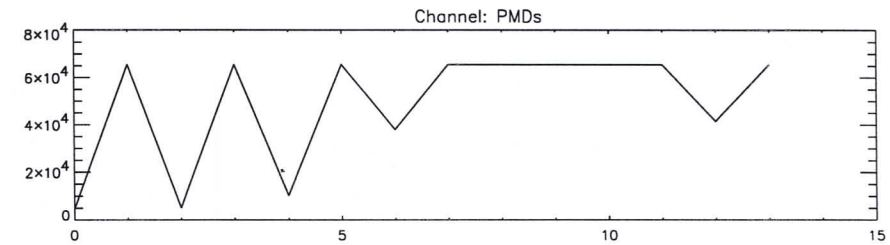
Channel: PMDs
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4x10^4
2x10^4
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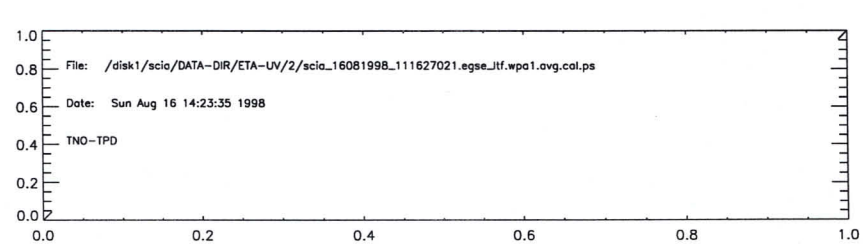
0
5
10
15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Date: Sun Aug 16 14:23:35 1998
TNO-TPD
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0.0
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0.2
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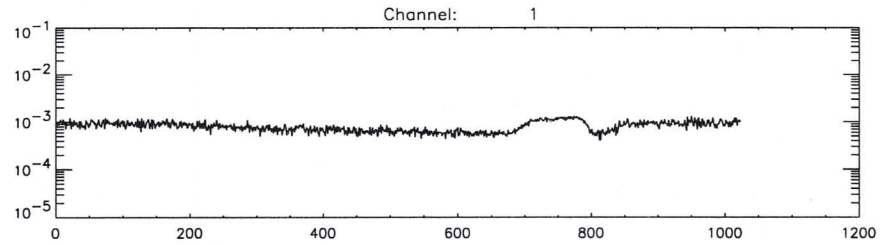
0.8
1.0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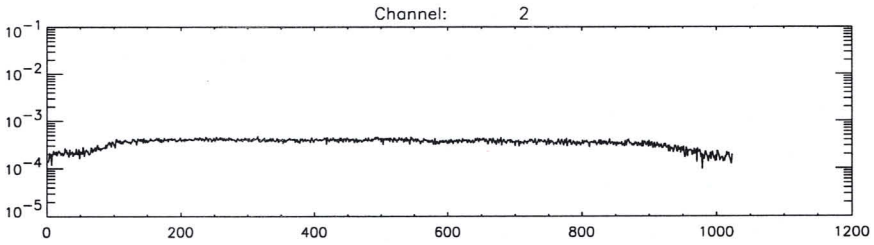
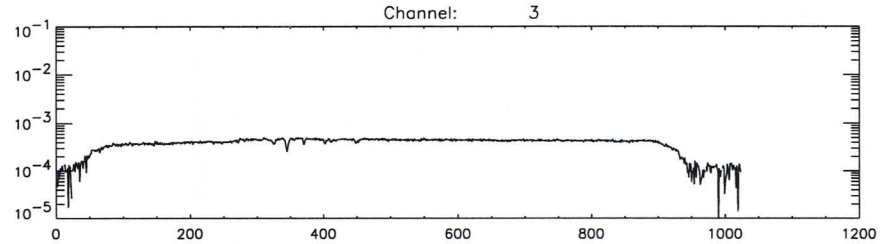

Channel: 2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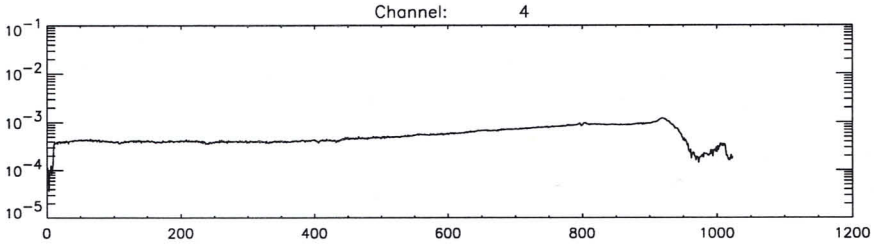
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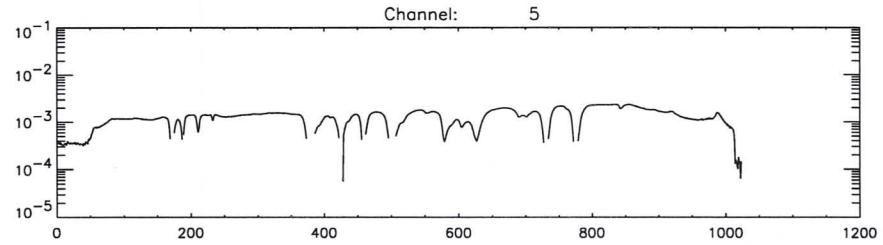
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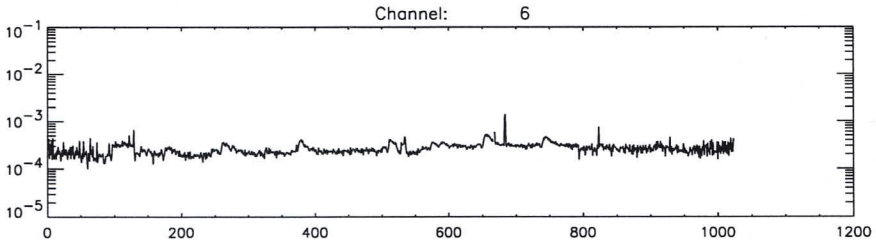
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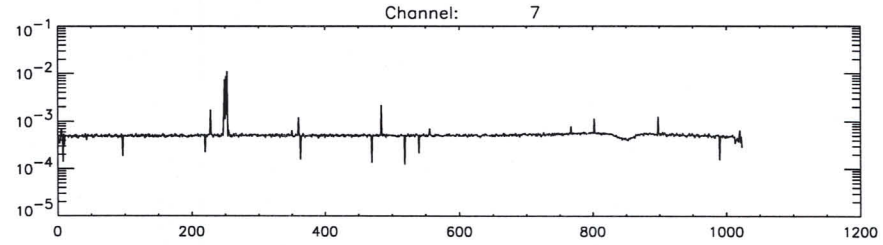
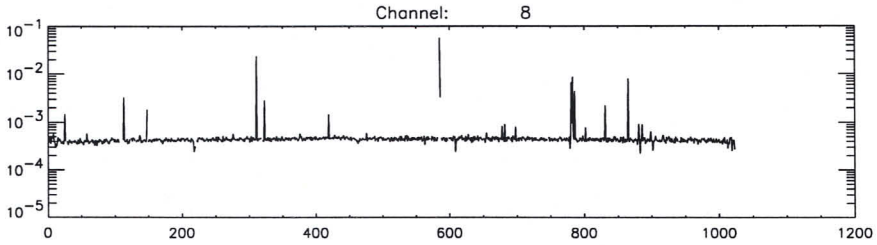
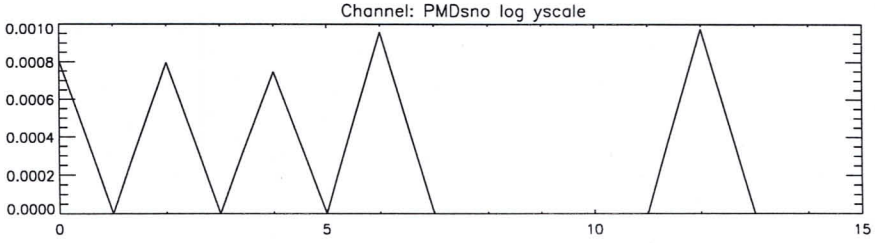
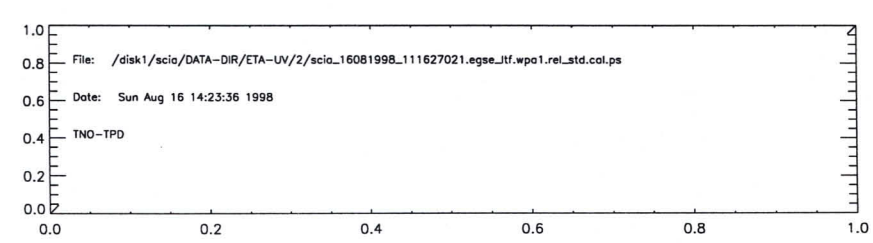

Channel: 7


Channel: 8


Channel: PMDsno log yscale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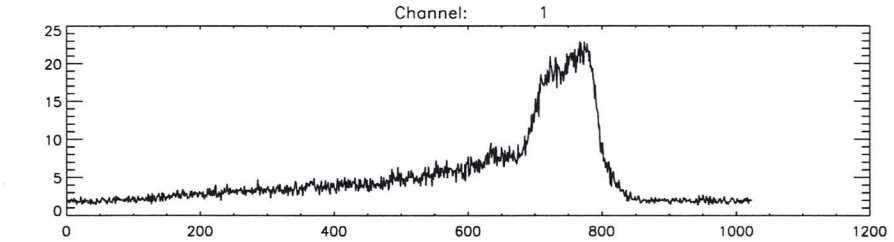
Date: Sun Aug 16 14:23:36 1998
TNO-TPD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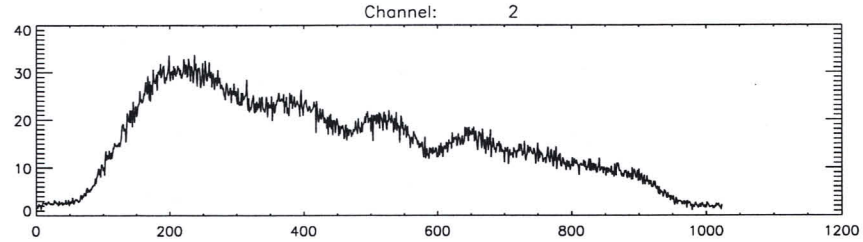
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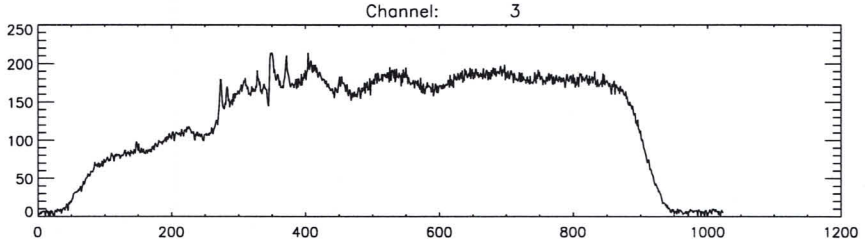
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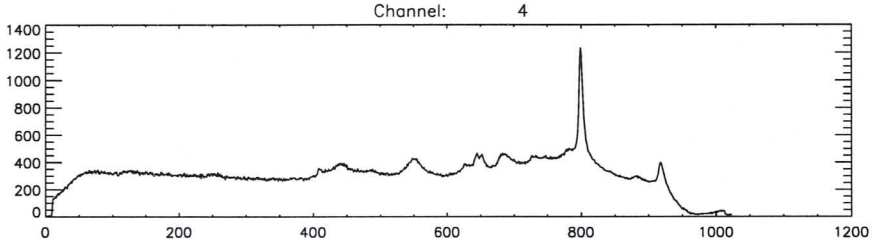
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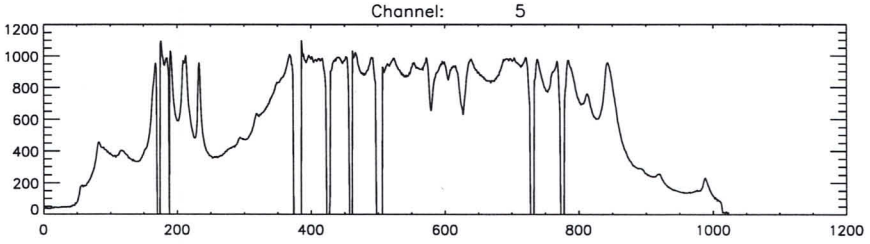
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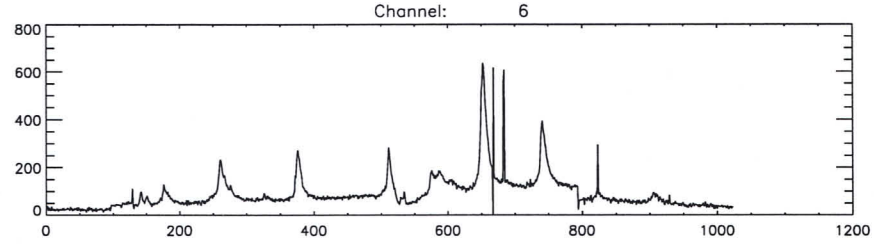
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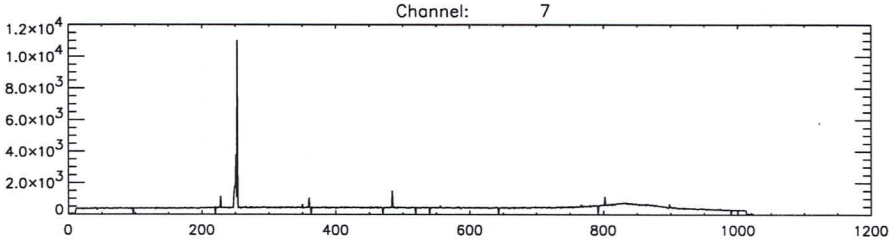
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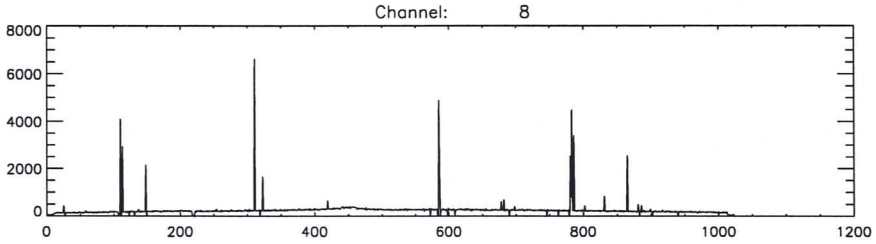
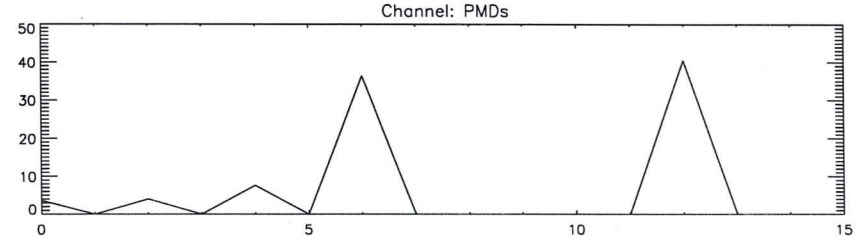
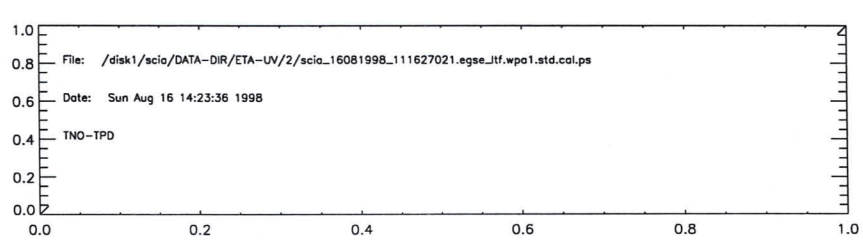

Channel: 8


Channel: PMDs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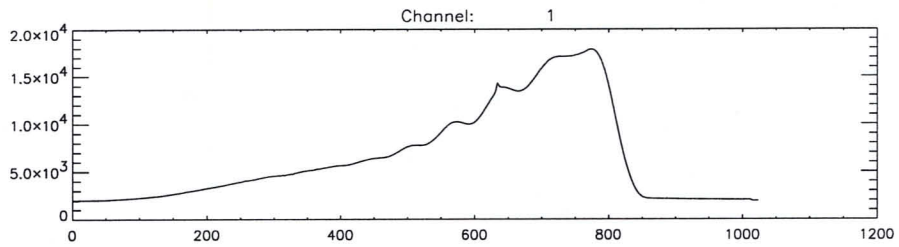
Date: Sun Aug 16 14:23:36 1998
TNO-TPD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1.0x10^4
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1000
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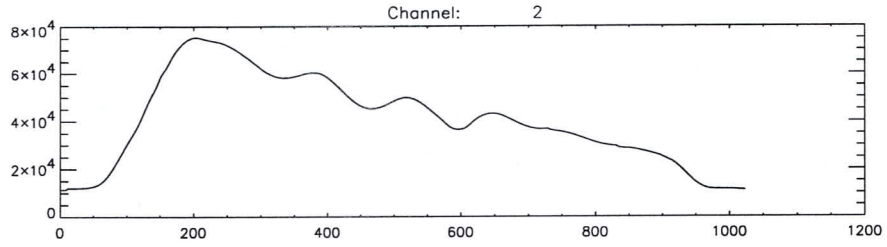
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2x10^4
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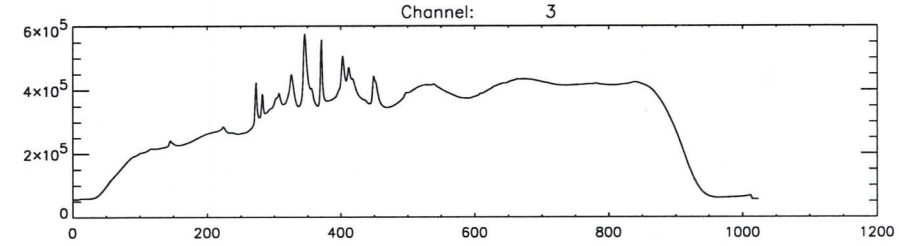
Channel: 3
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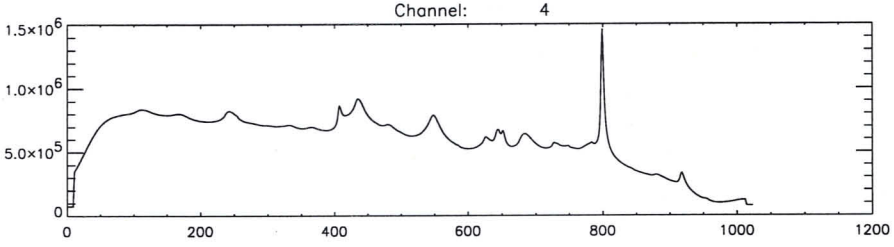
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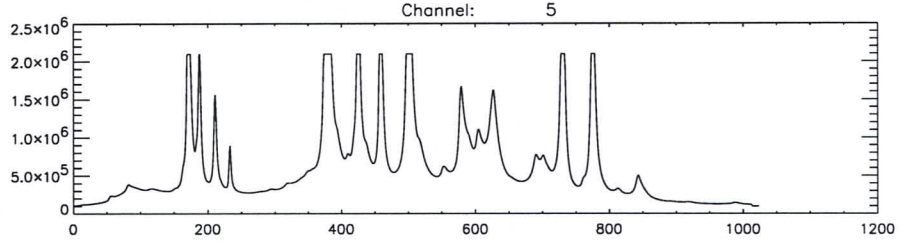
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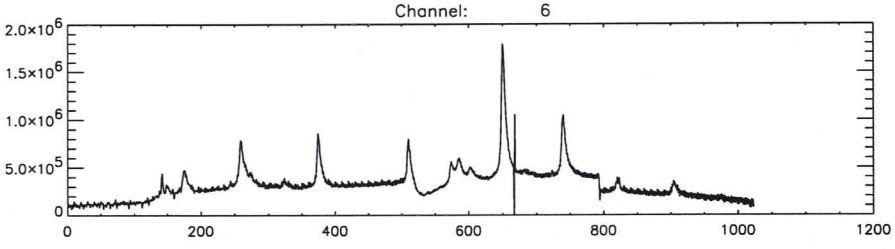
1000
1200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1.0x10^6
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200
400
600
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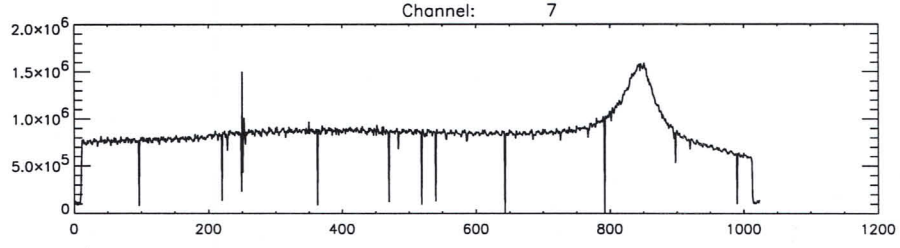
1000
1200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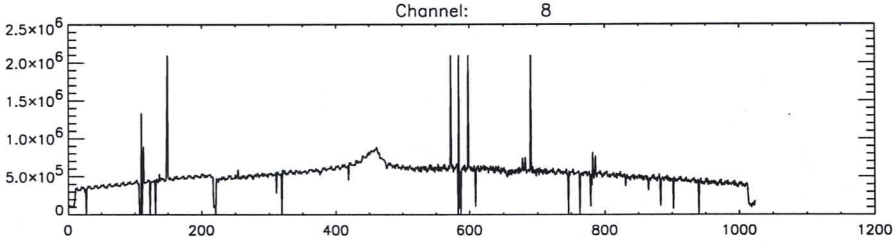
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1.0x10^6
5.0x10^5
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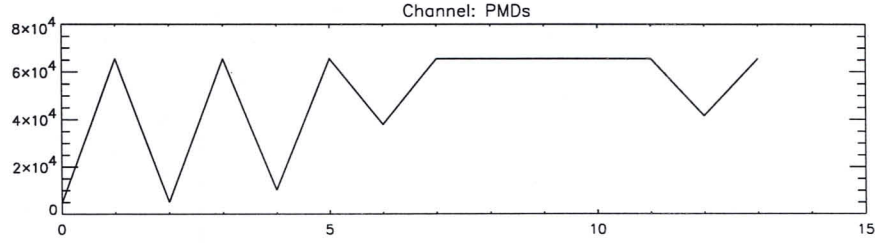
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2x10^4
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0
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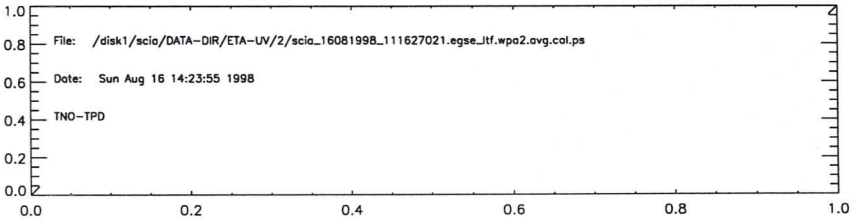
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa2.avg.col.ps
Date: Sun Aug 16 14:23:55 1998
TNO-TPD
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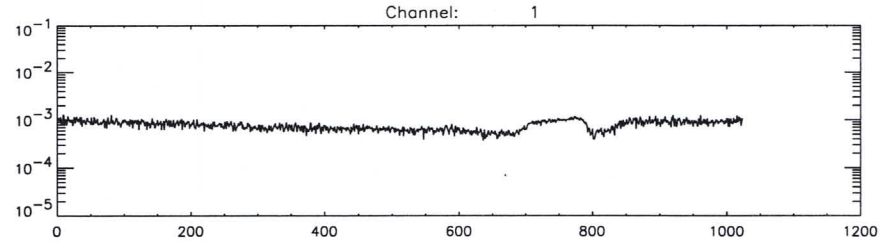
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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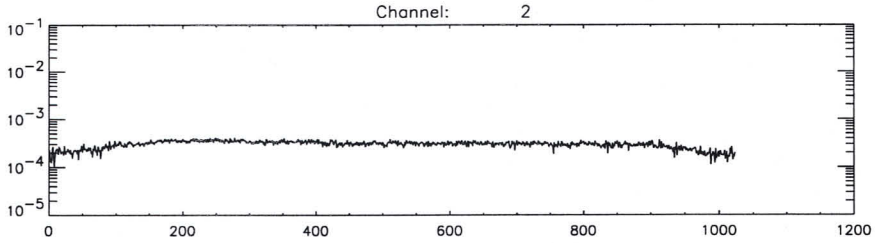
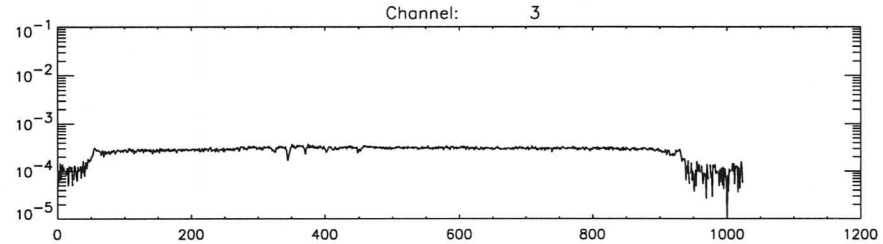

Channel: 2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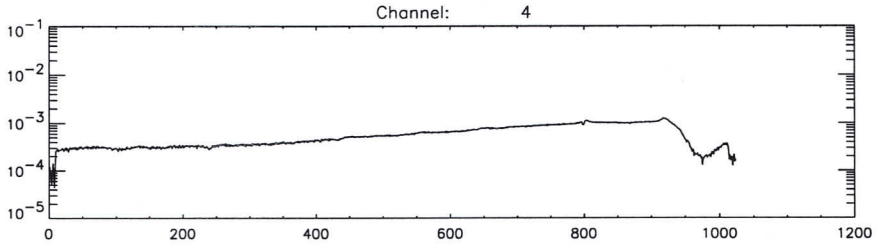
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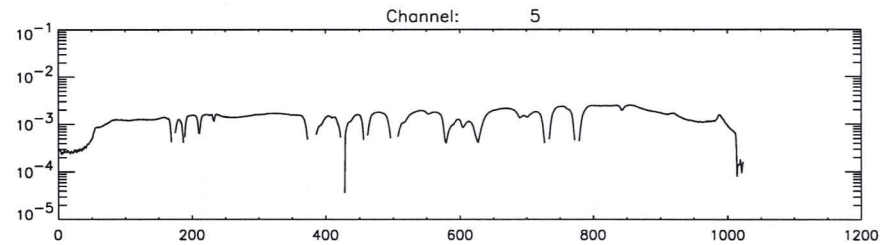
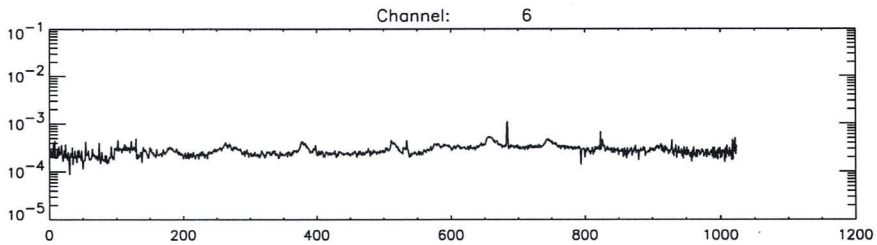
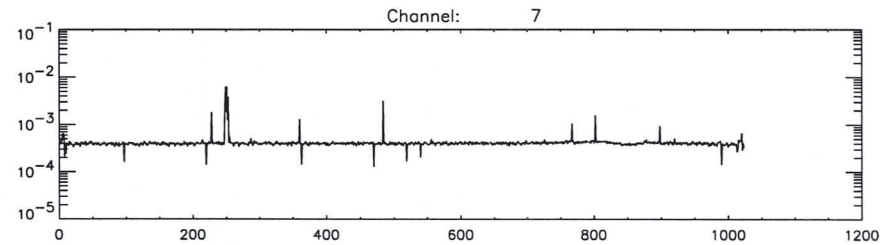
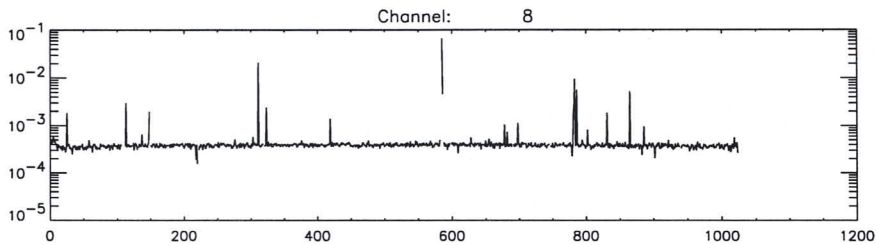
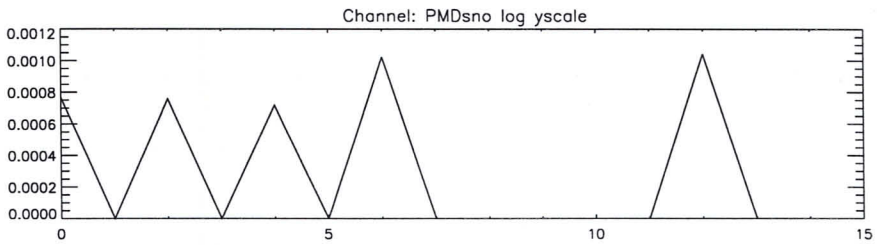
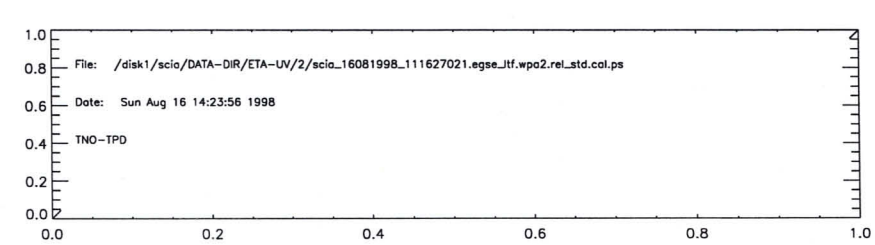

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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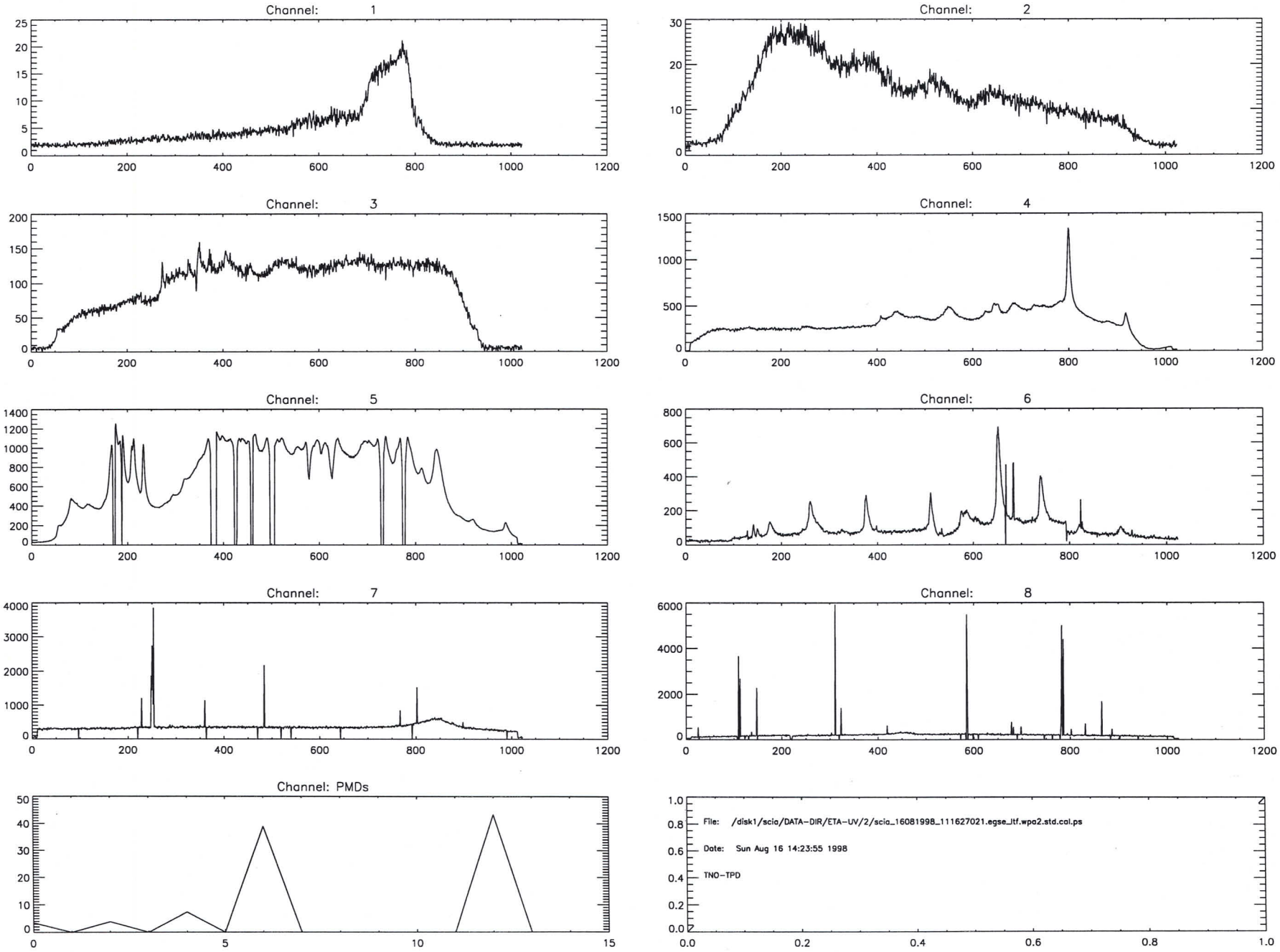
Date: Sun Aug 16 14:23:56 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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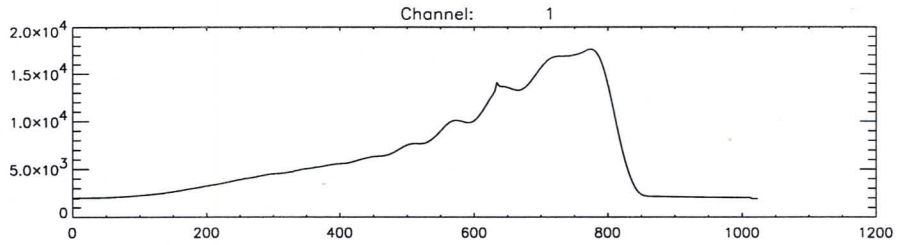
Date: Sun Aug 16 14:23:55 1998
TNO-TPD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1.0x10^4
5.0x10^3
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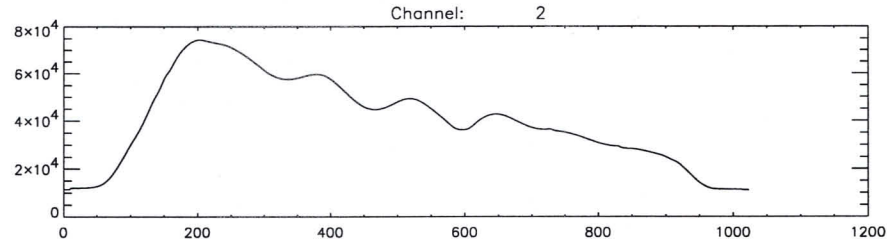
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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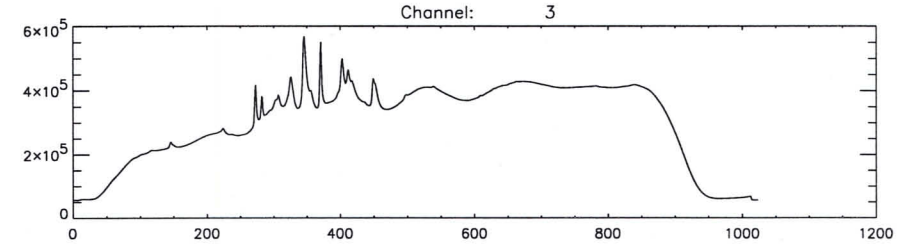
0
200
400
600
800
1000
1200


Channel: 3
6x10^5
4x10^5
2x10^5
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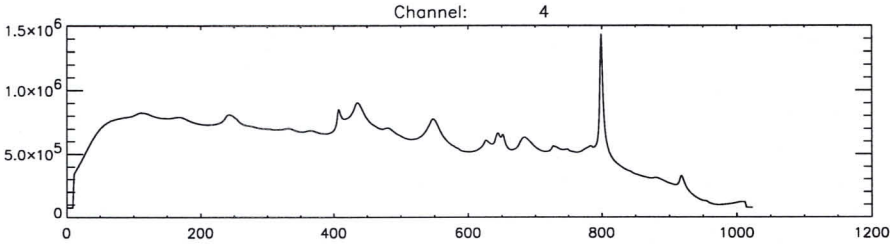
400
600
800
1000
1200


Channel: 4
1.5x10^6
1.0x10^6
5.0x10^5
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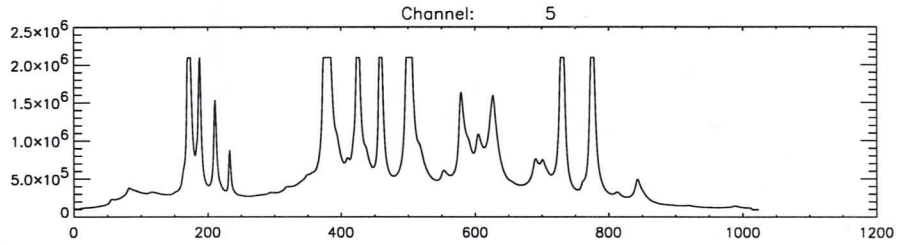
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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1000
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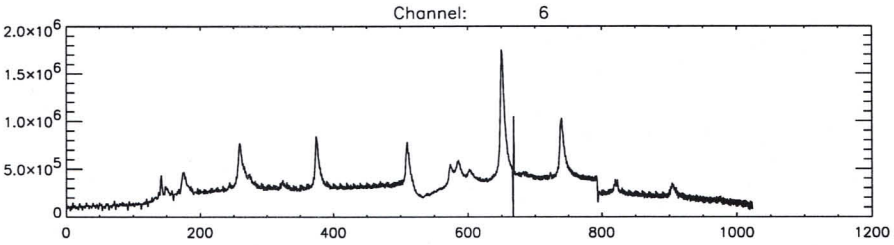
Channel: 6
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1.0x10^6
5.0x10^5
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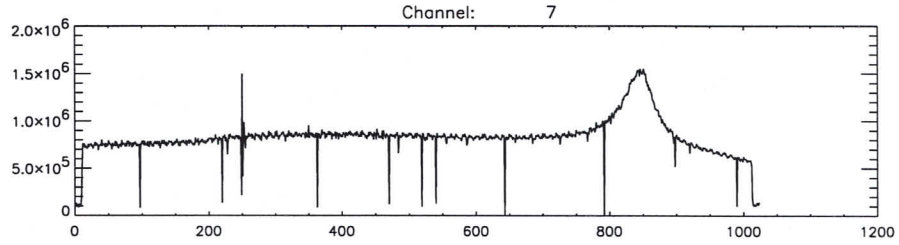
1000
1200


Channel: 7
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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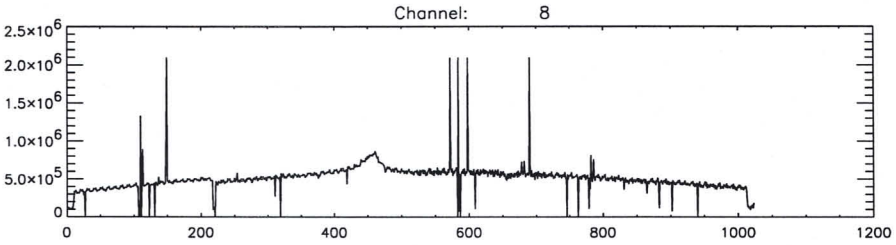
600
800
1000
1200


Channel: 8
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1.5x10^6
1.0x10^6
5.0x10^5
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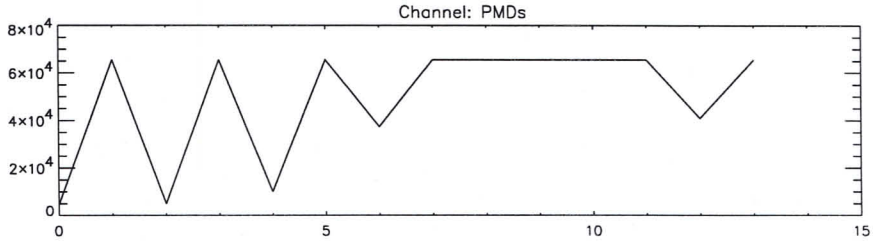
1000
1200


Channel: PMDs
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4x10^4
2x10^4
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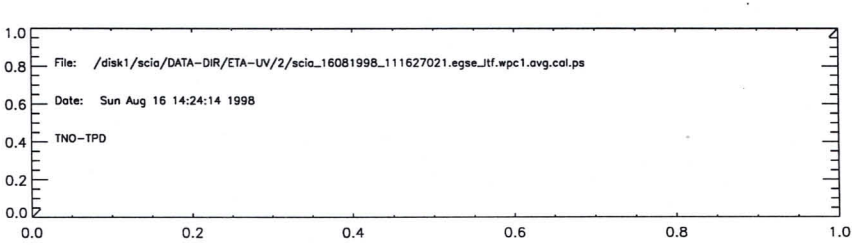
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpc1.avg.cal.ps
Date: Sun Aug 16 14:24:14 1998
TNO-TPD
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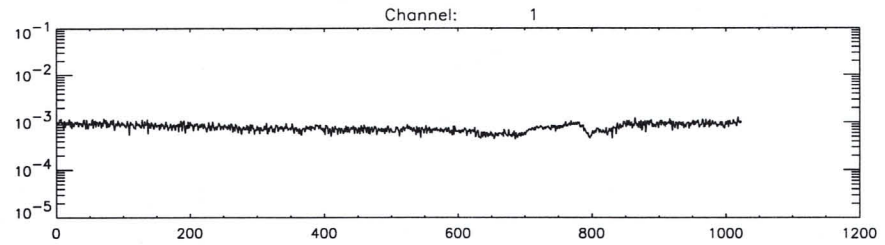
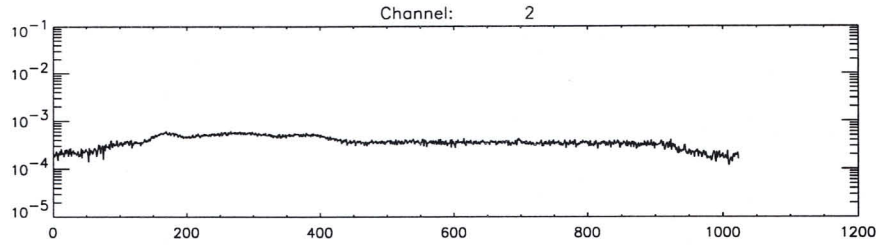
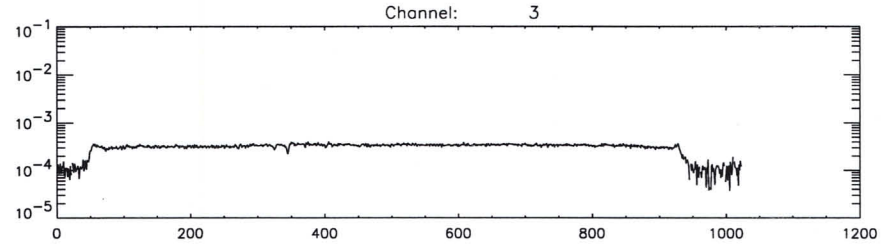
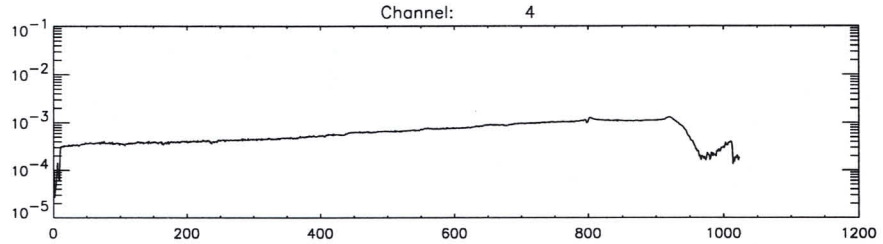
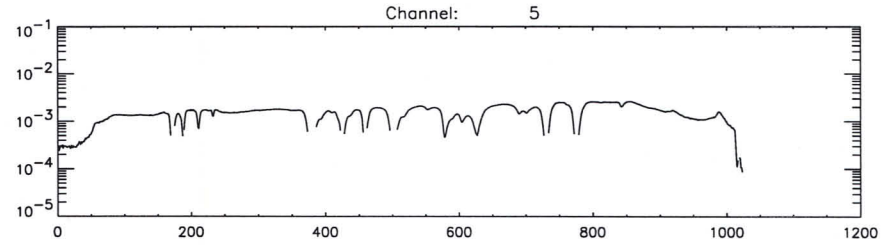
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

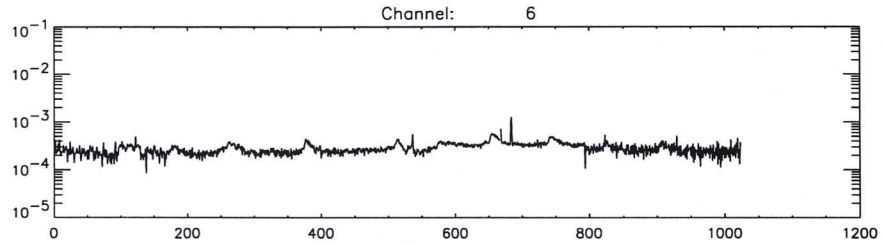

Channel: 1

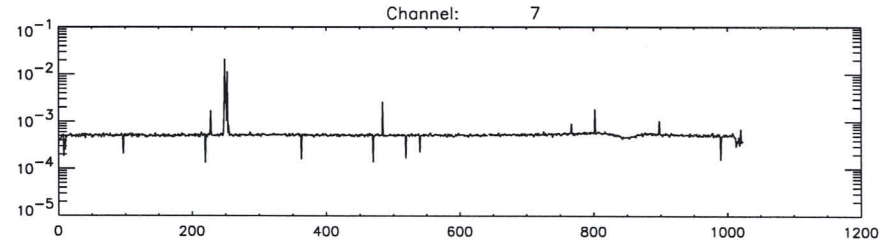

Channel: 2


Channel: 3


Channel: 4


Channel: 5


Channel: 6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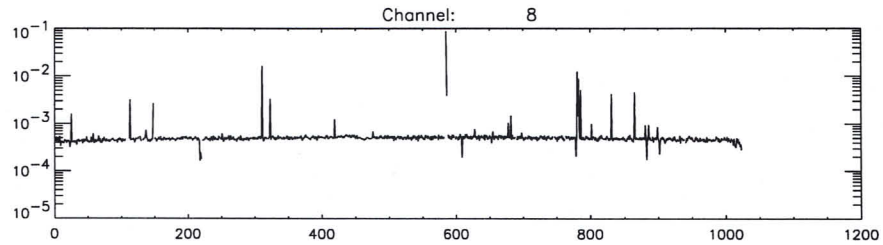
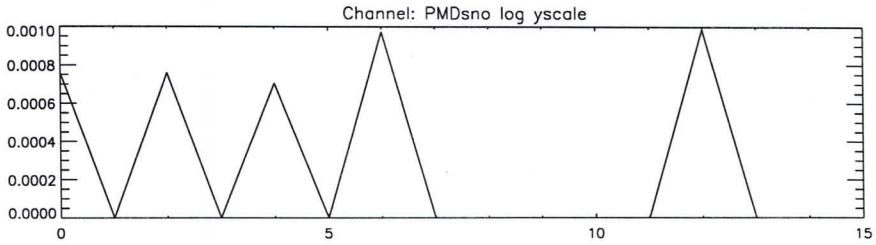
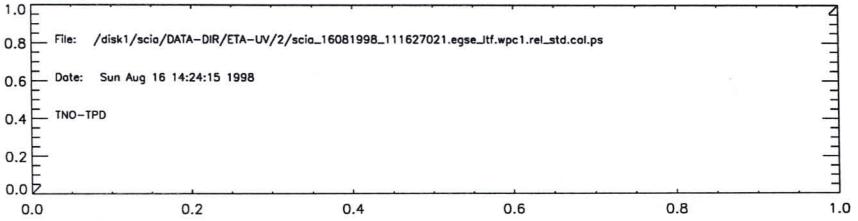
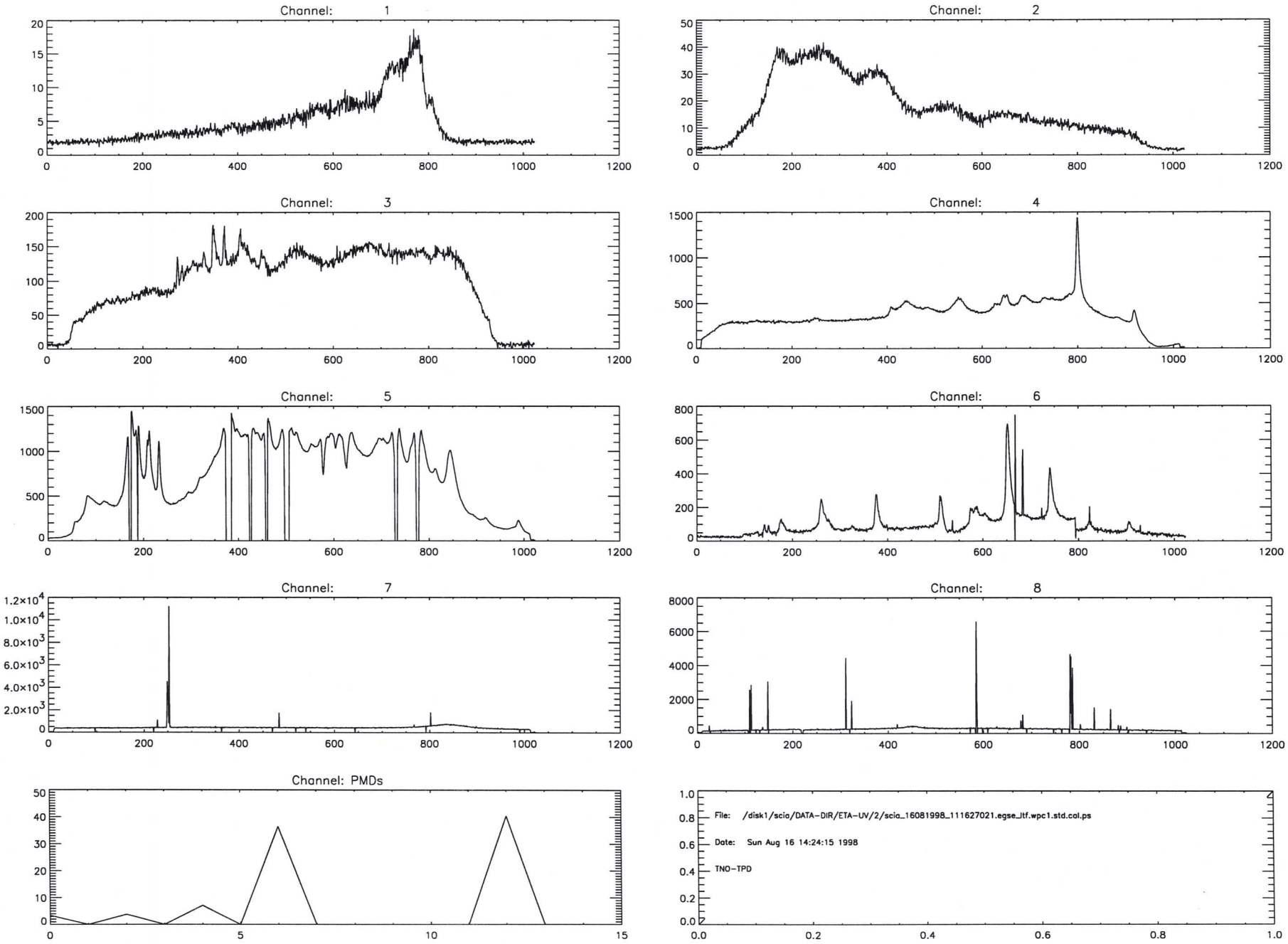
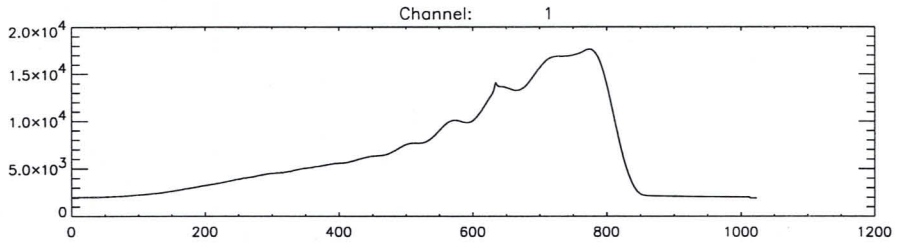

Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpc1.rel_std.col.ps
Date: Sun Aug 16 14:24:15 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc1.std.cal.ps
Date: Sun Aug 16 14:24:15 1998
TNO-TPD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1.0x10^4
5.0x10^3
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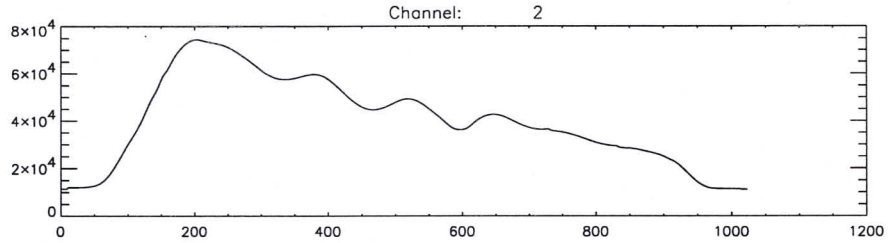
1000
1200


Channel: 2
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4x10^4
2x10^4
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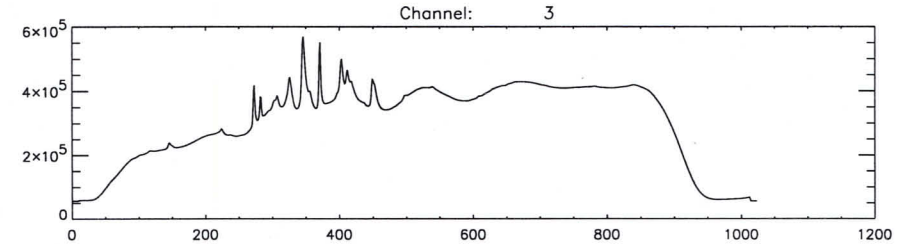
1000
1200


Channel: 3
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2x10^5
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1000
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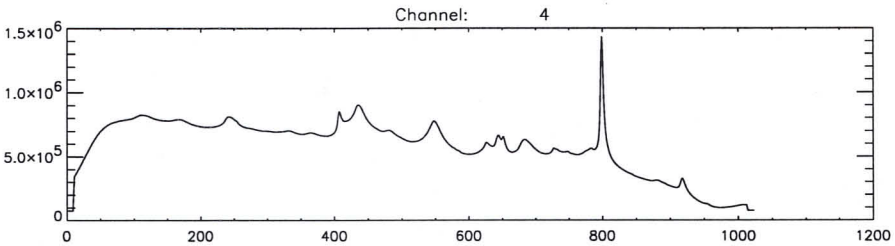
Channel: 4
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1.0x10^6
5.0x10^5
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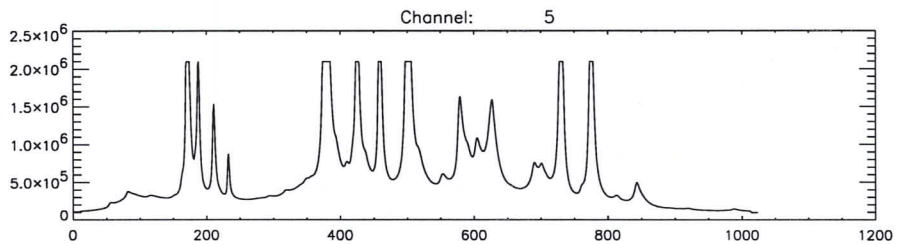
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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1000
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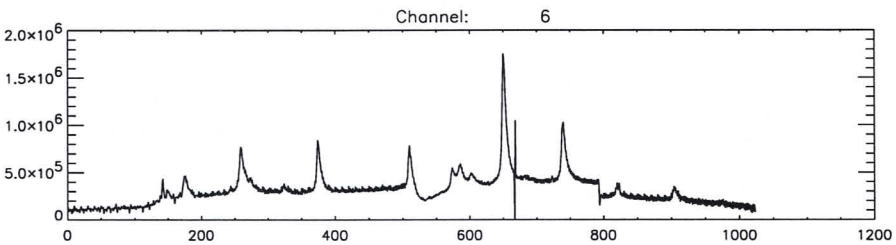
Channel: 6
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1.0x10^6
5.0x10^5
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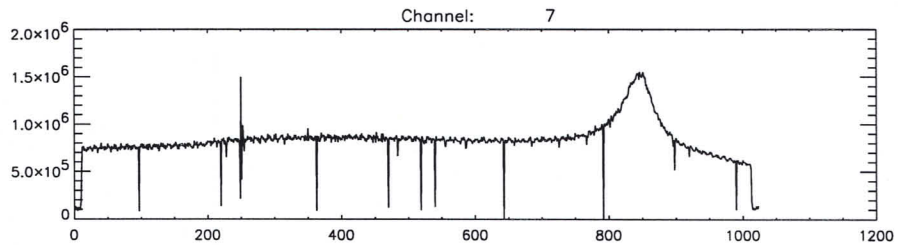
Channel: 7
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1.0x10^6
5.0x10^5
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600
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1000
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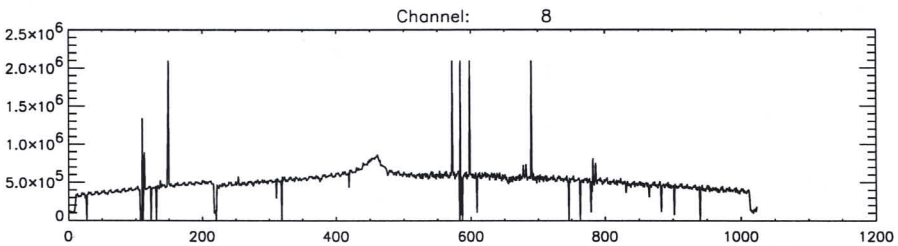
Channel: 8
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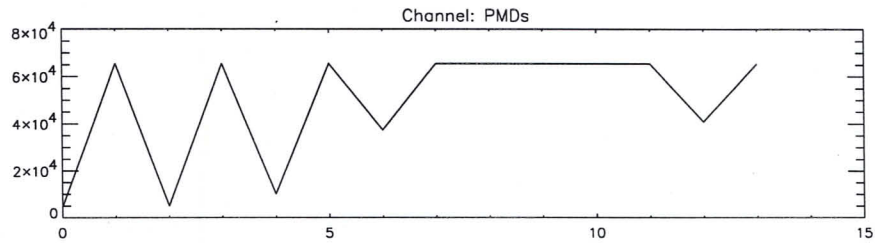
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200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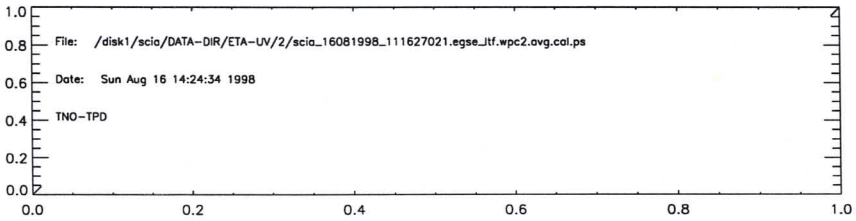
15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Date: Sun Aug 16 14:24:34 1998
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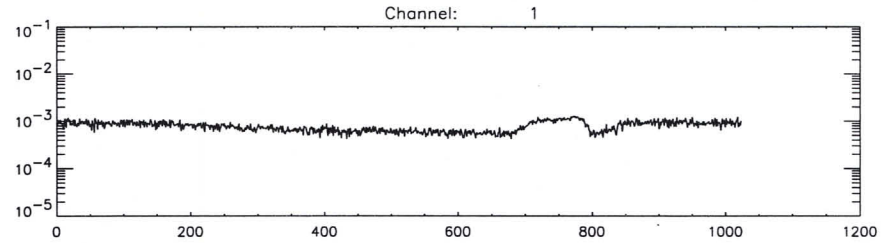
0.6
0.8
1.0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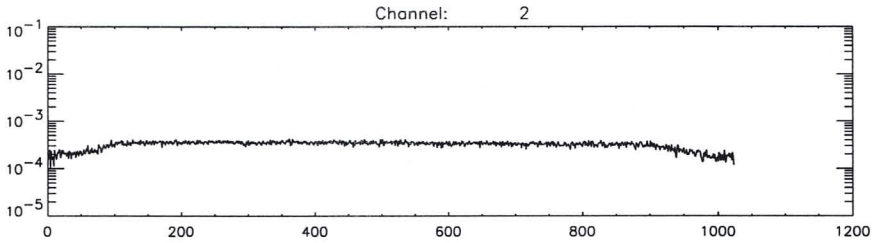
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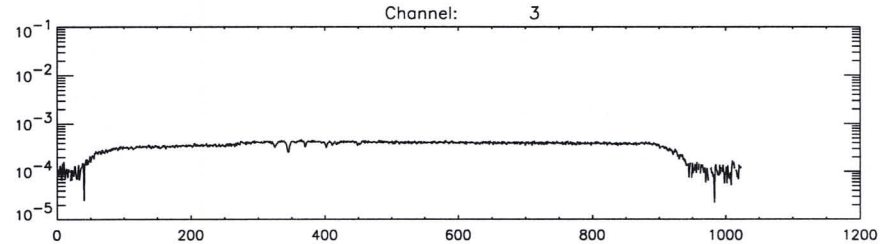
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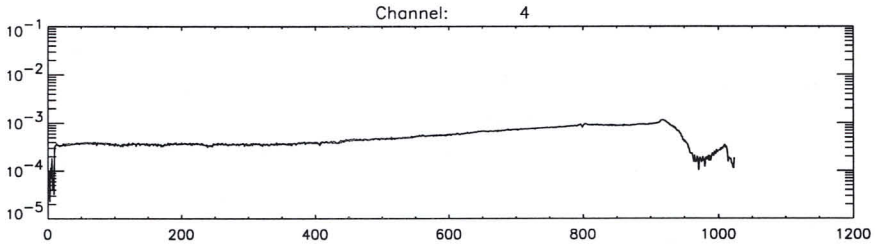
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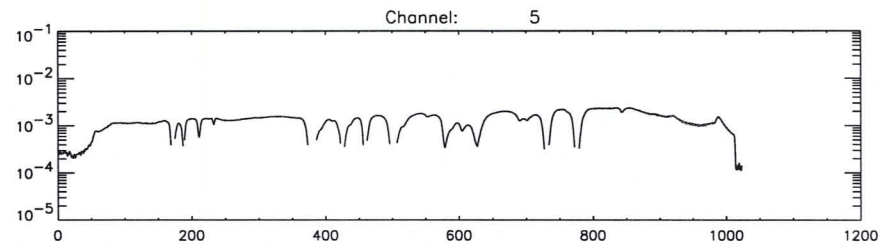
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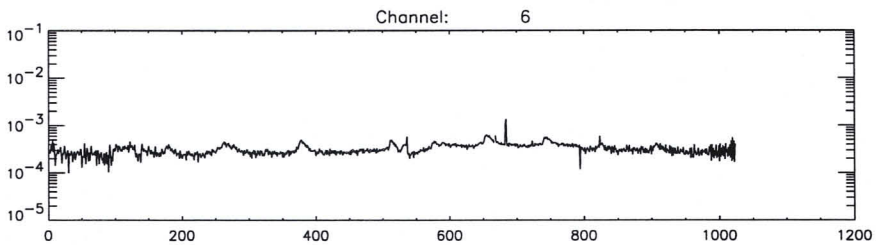
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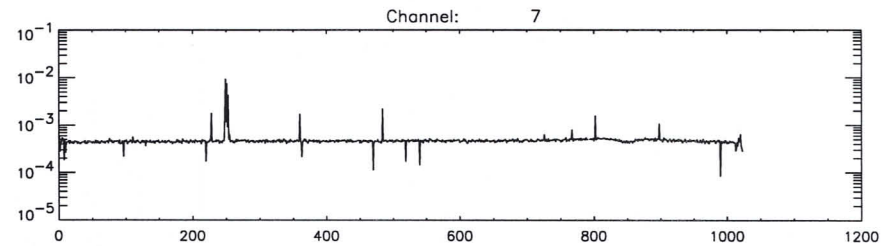
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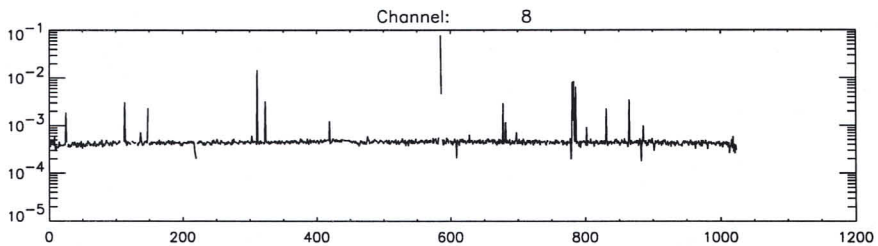
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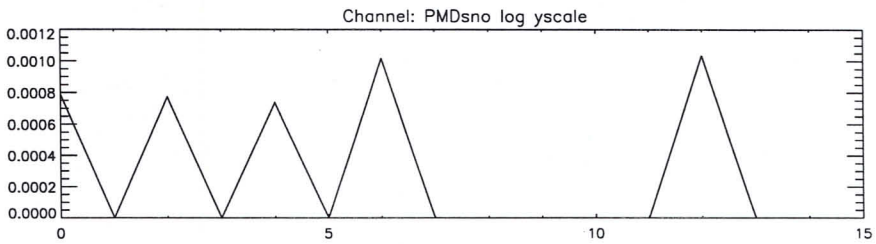
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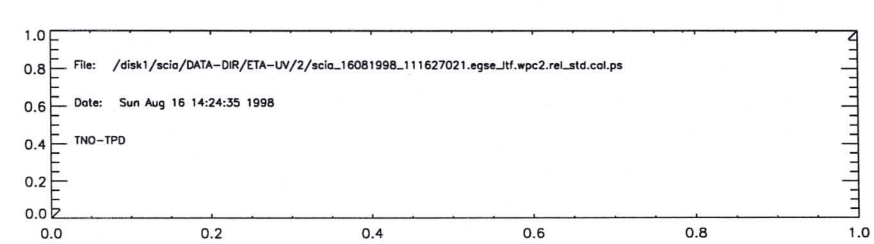
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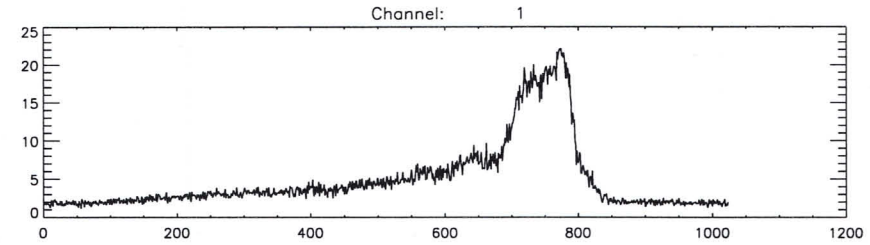
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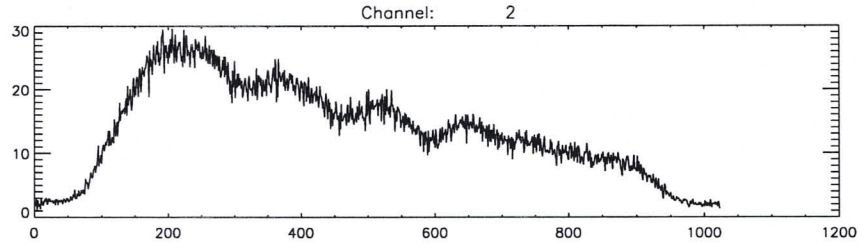
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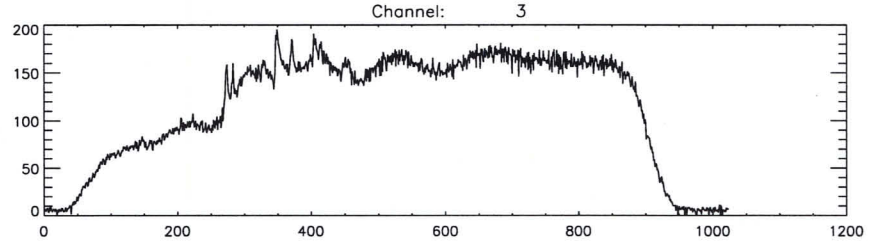
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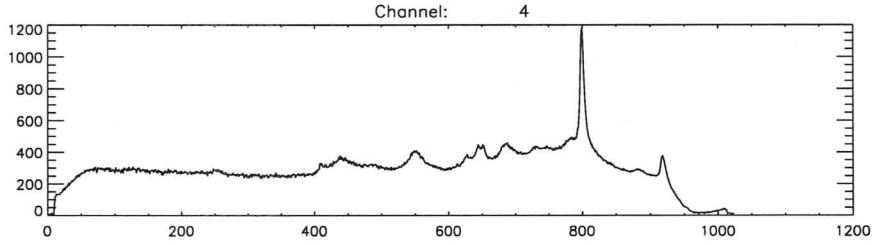
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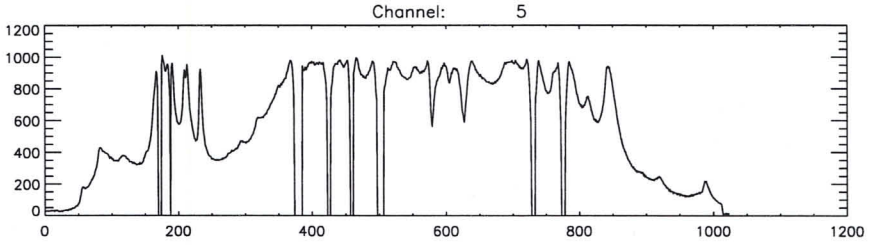
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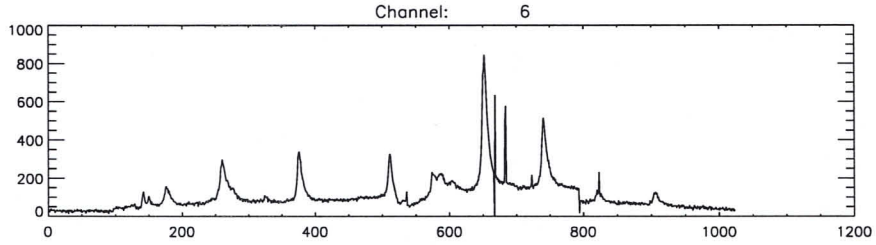
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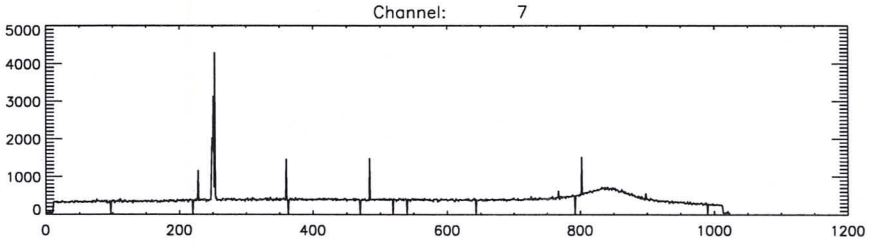
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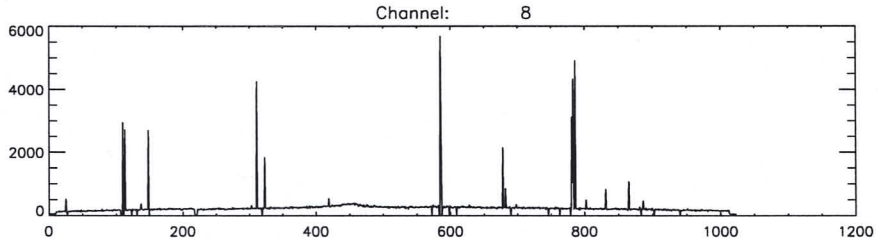
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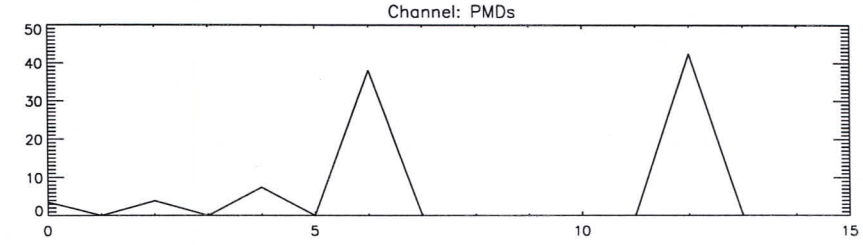
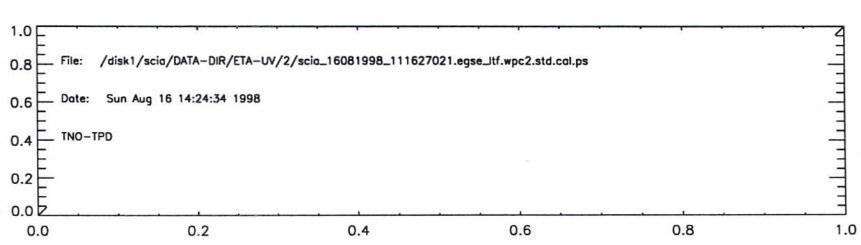

Channel: PMDs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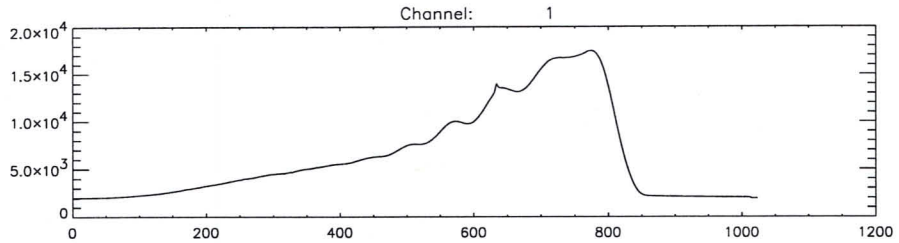
Date: Sun Aug 16 14:24:34 1998
TNO-TPD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1.0x10^4
5.0x10^3
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600
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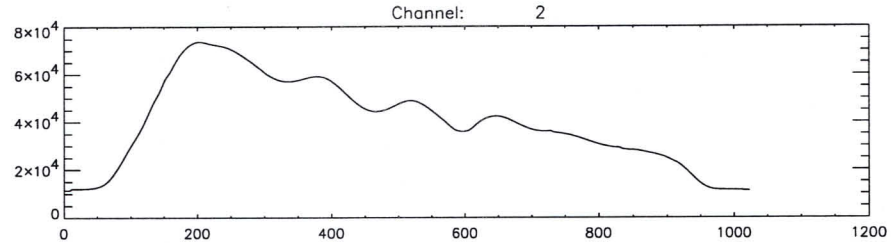
1000
1200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4x10^4
2x10^4
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600
800
1000
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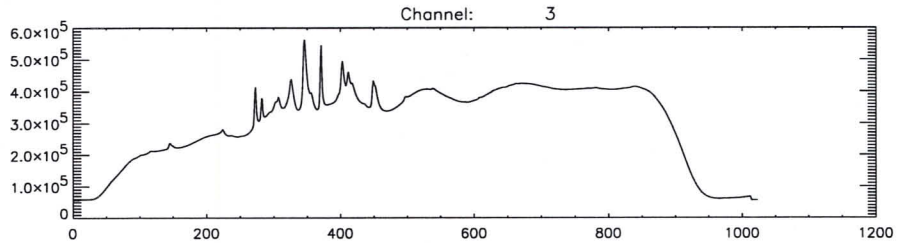
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600
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1000
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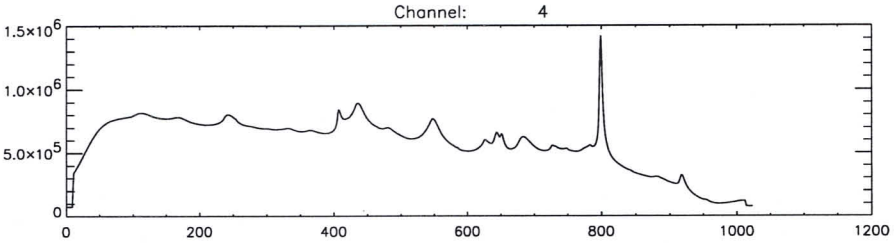
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5.0x10^5
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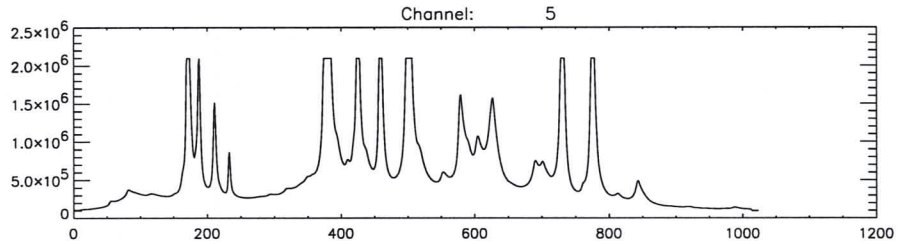
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1.5x10^6
1.0x10^6
5.0x10^5
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600
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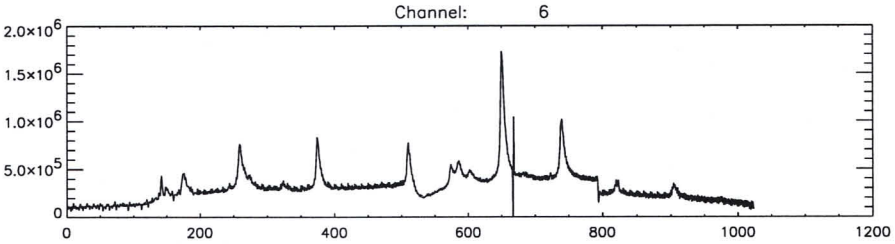
1000
1200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1.0x10^6
5.0x10^5
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1000
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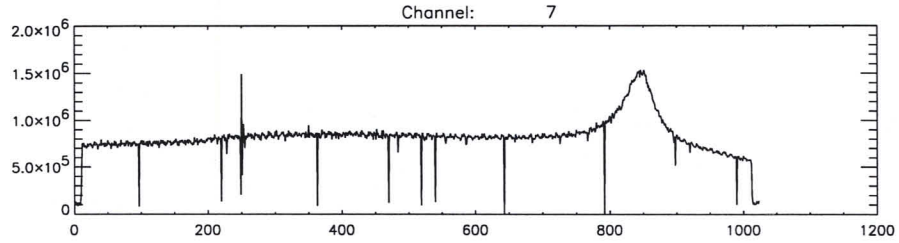
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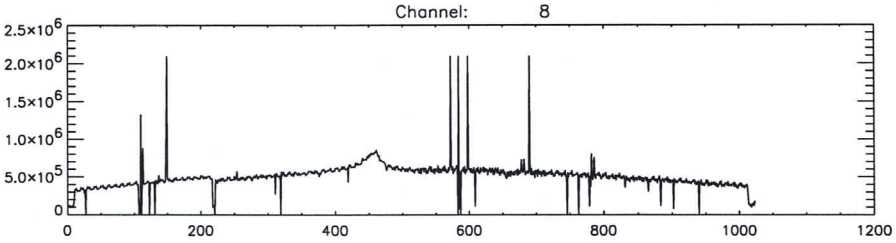
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1.0x10^6
5.0x10^5
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1000
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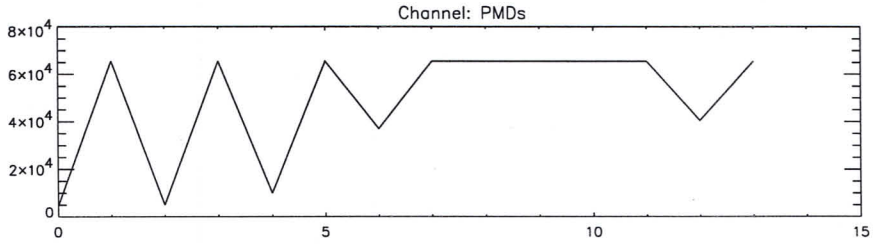
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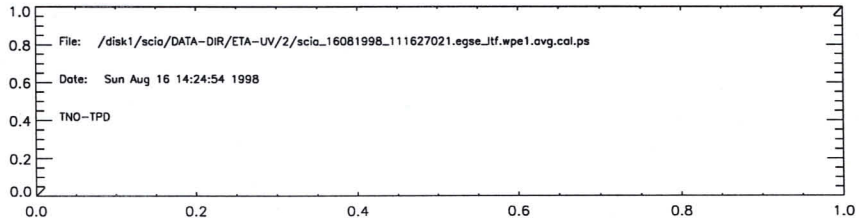
5
10
15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Date: Sun Aug 16 14:24:54 1998
TNO-TPD
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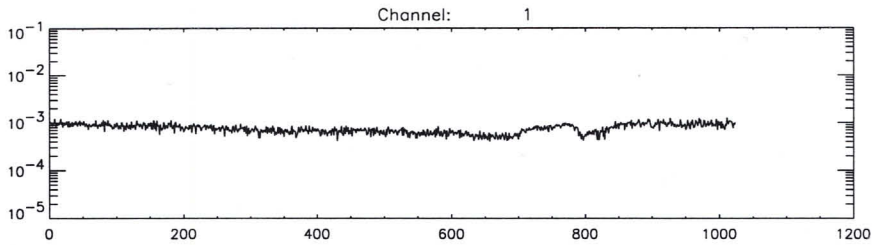
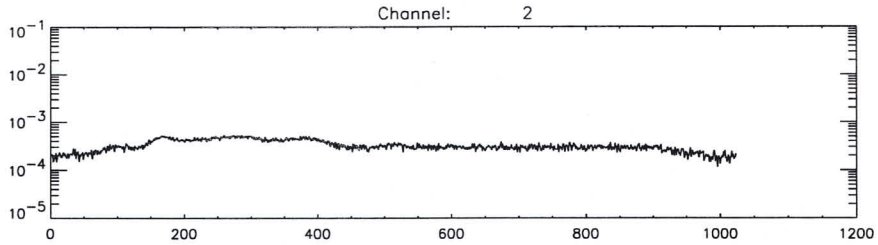
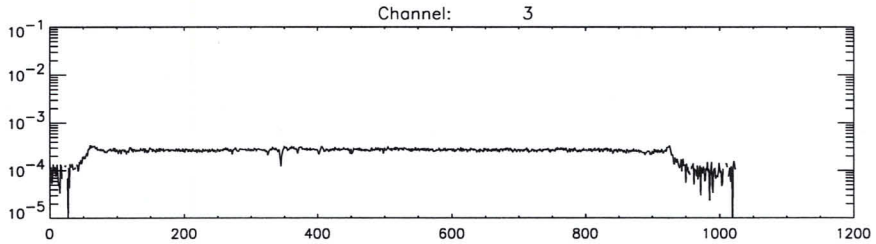
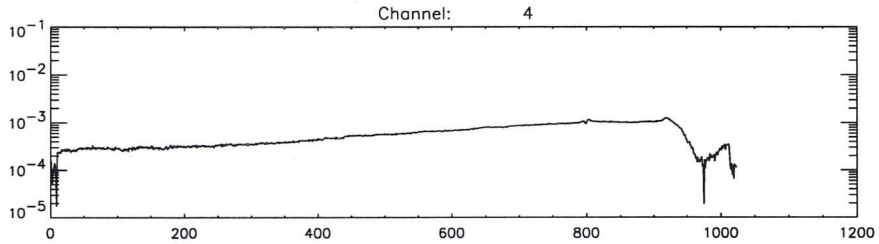
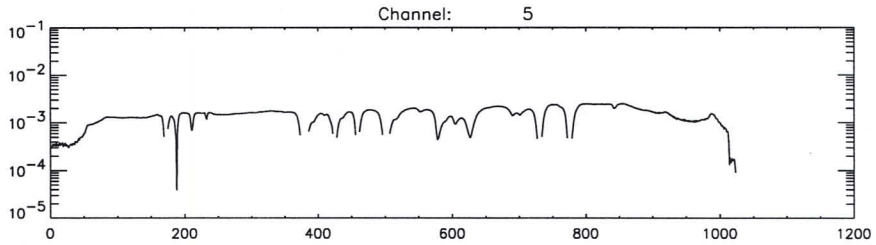
0.8
1.0

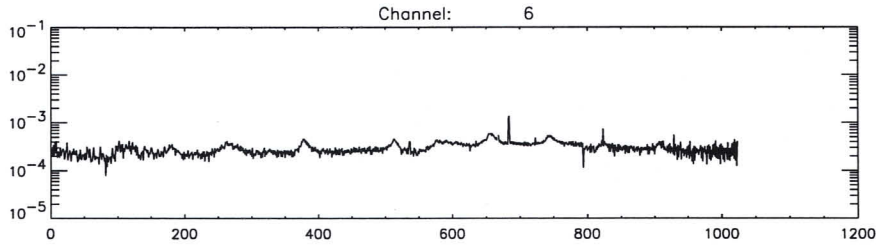

Channel: 1


Channel: 2


Channel: 3


Channel: 4


Channel: 5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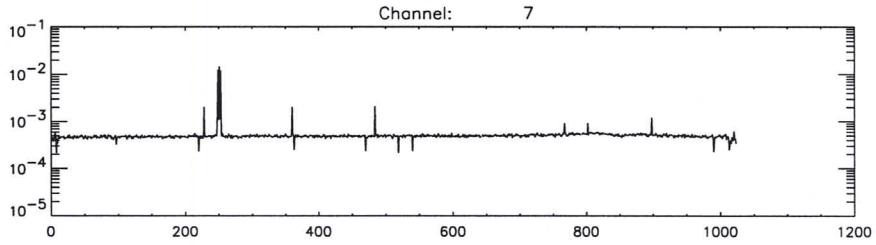
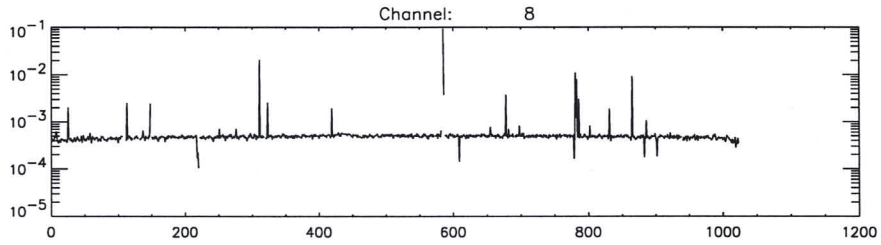

Channel: 7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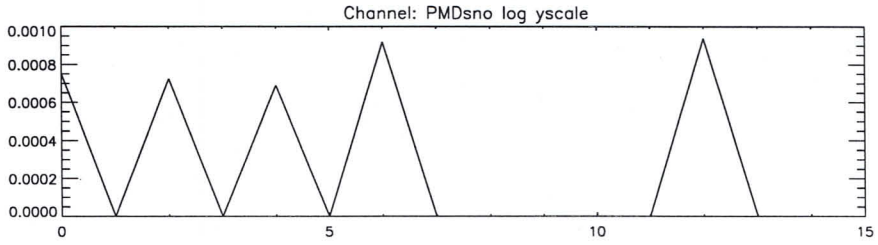
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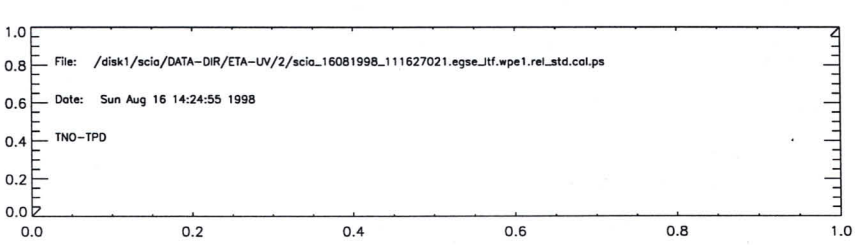
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Date: Sun Aug 16 14:24:55 1998
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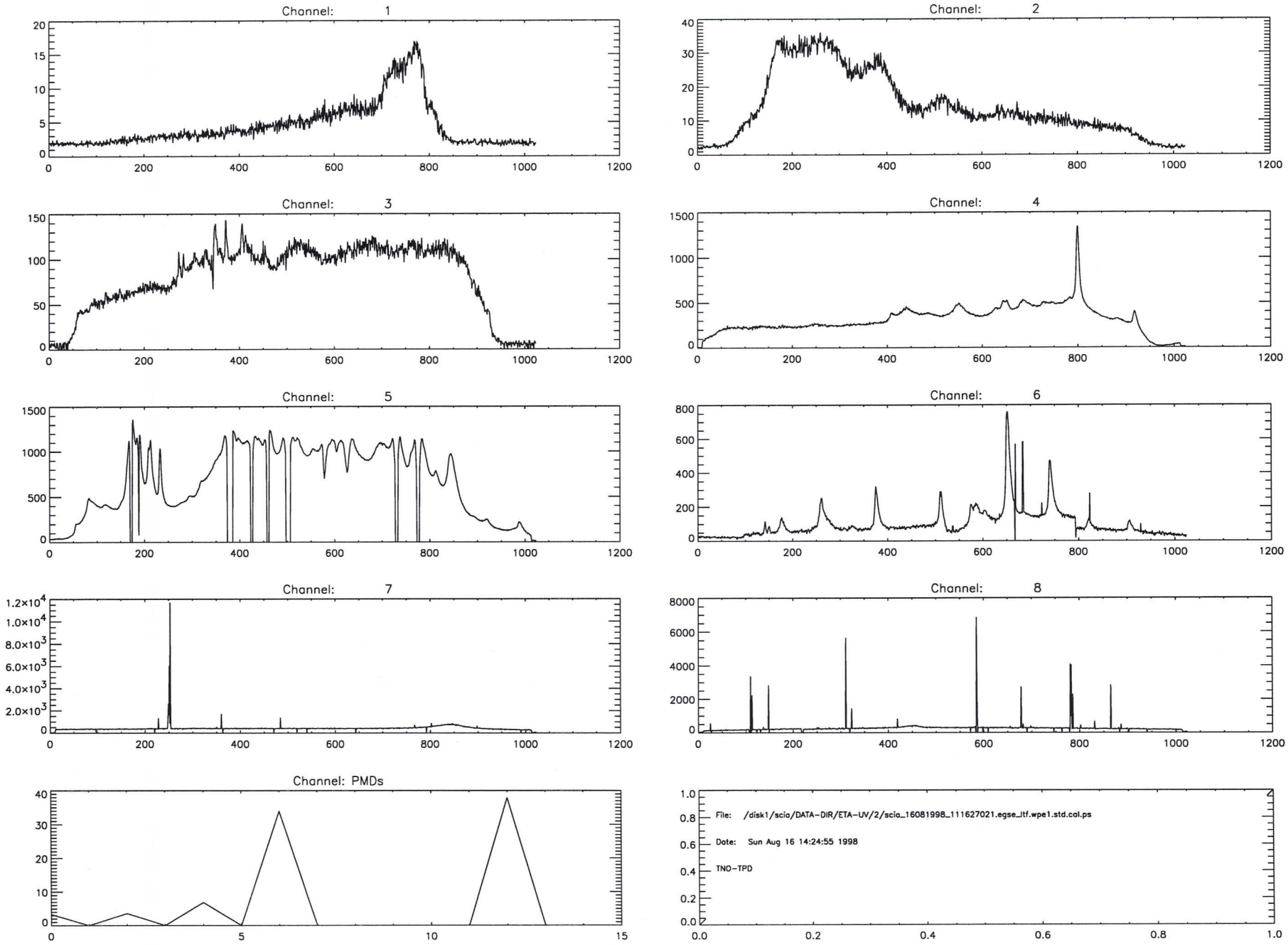
Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe1.std.cal.ps
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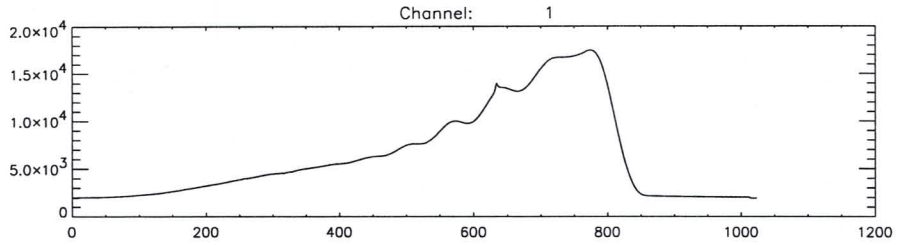
TNO-TPD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1.0x10^4
5.0x10^3
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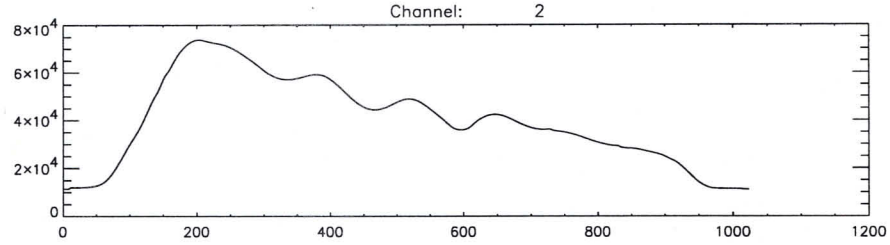
600
800
1000
1200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4x10^4
2x10^4
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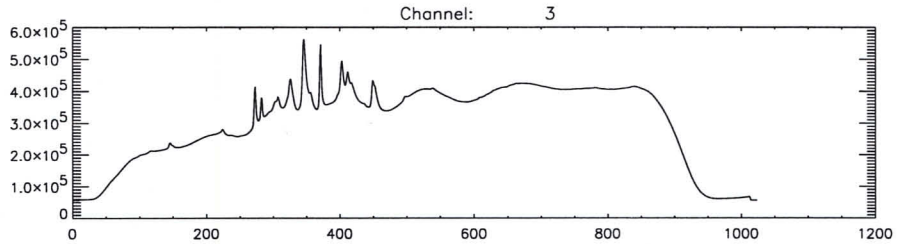
600
800
1000
1200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1.0x10^5
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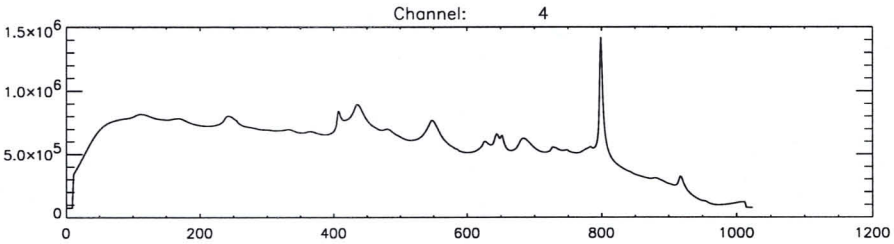
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1.0x10^6
5.0x10^5
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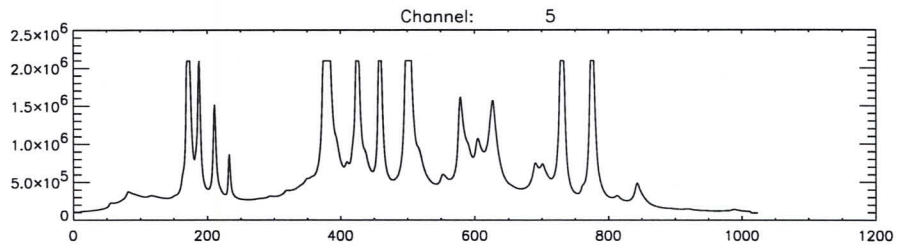
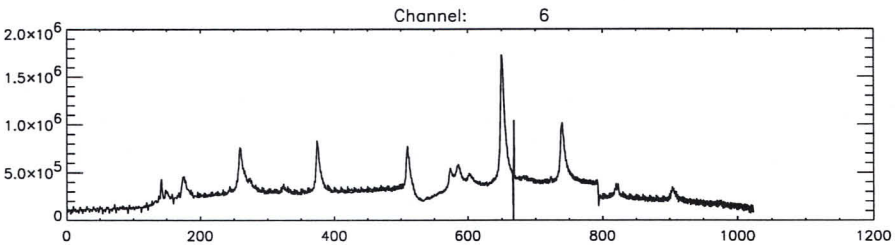
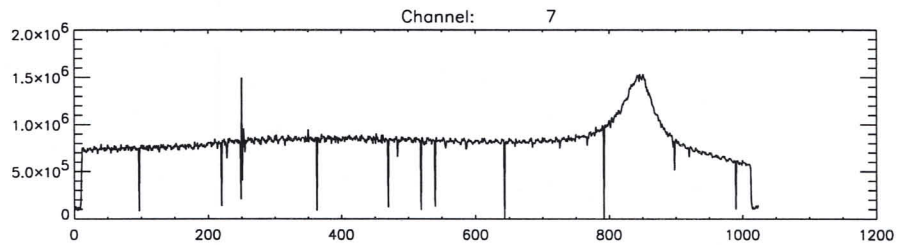
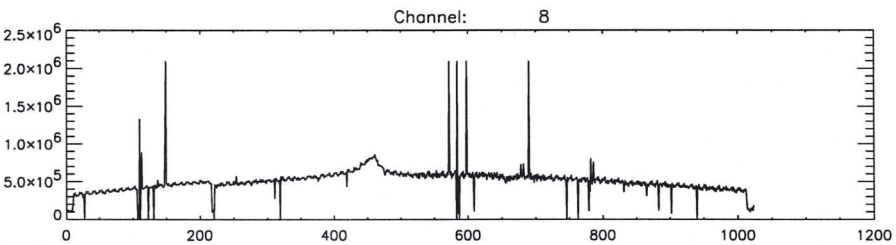
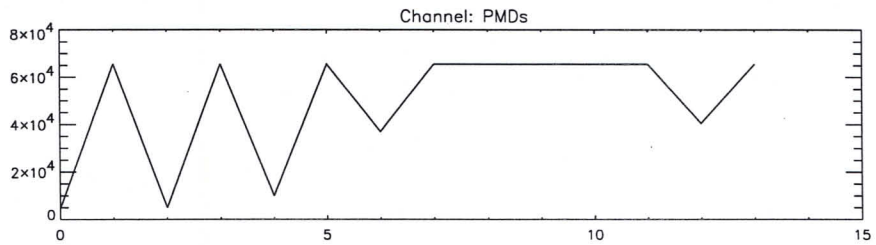
0
200
400
600
800
1000
1200

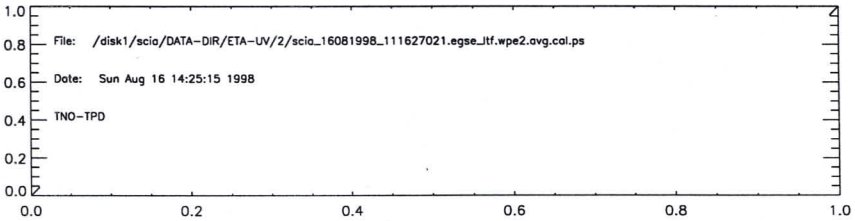

Channel: 5
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

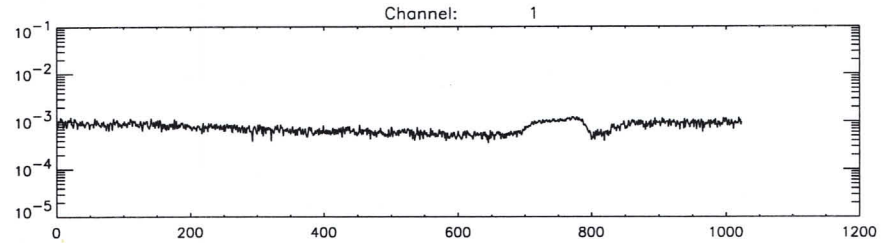

Channel: 6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

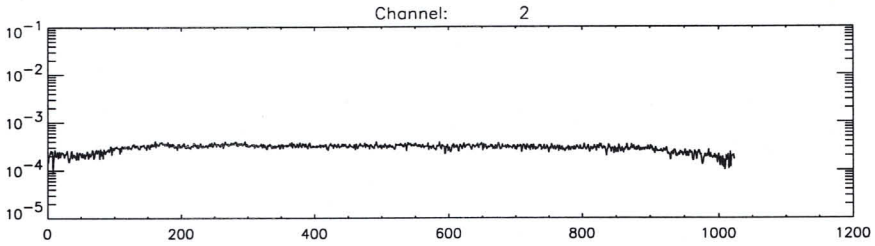

Channel: 7
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

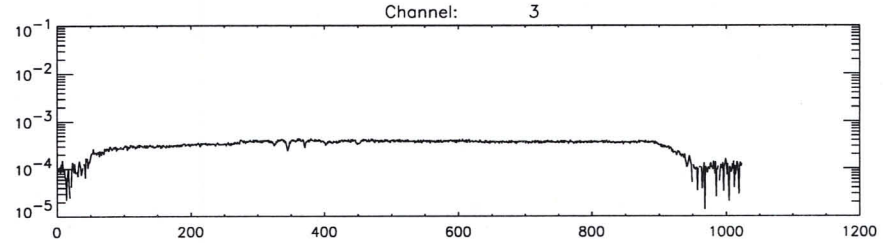

Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

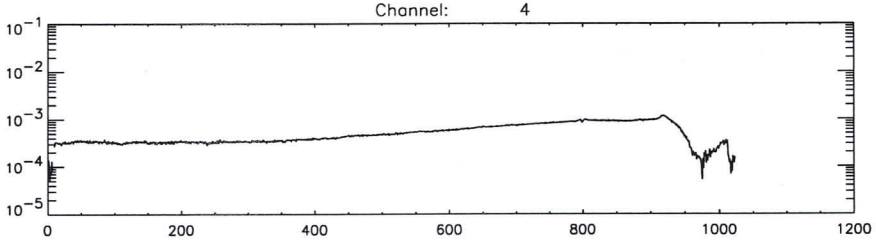

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

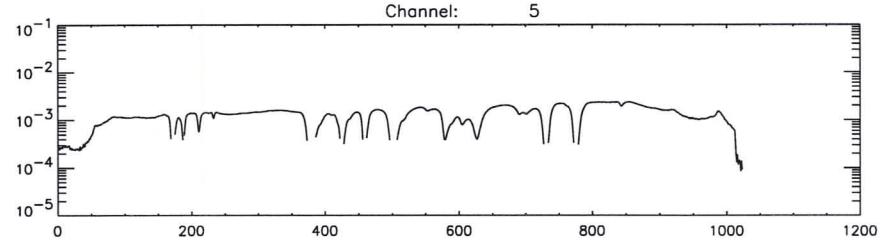

File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe2.avg.cal.ps
Date: Sun Aug 16 14:25:15 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

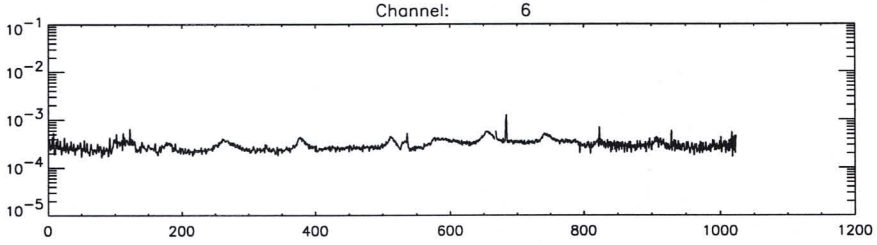

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

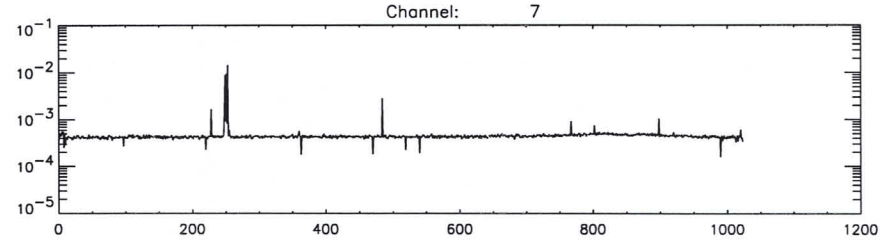

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

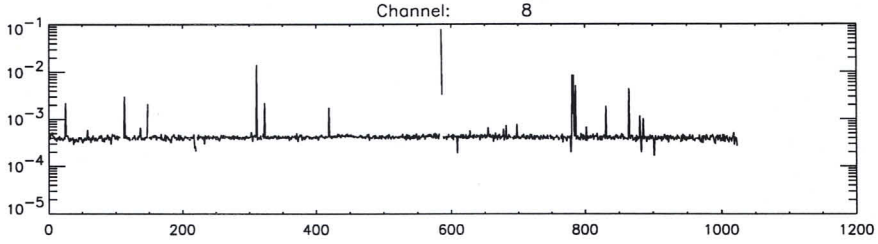

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

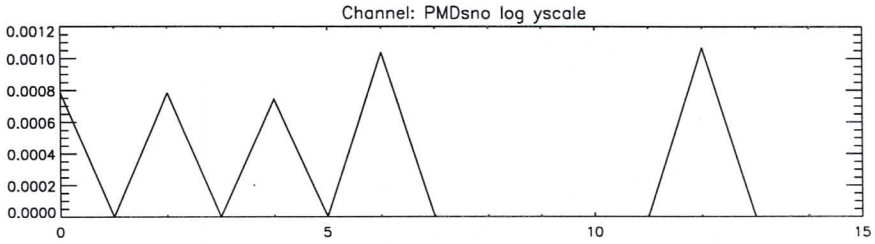

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
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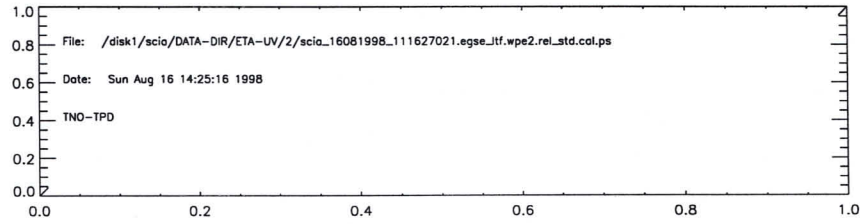
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wpe2.rel_std.col.ps
Date: Sun Aug 16 14:25:16 1998
TNO-TPD
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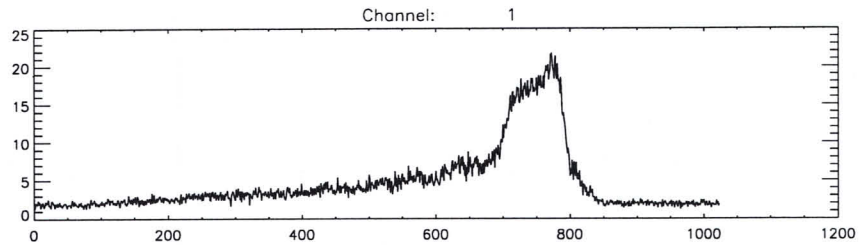
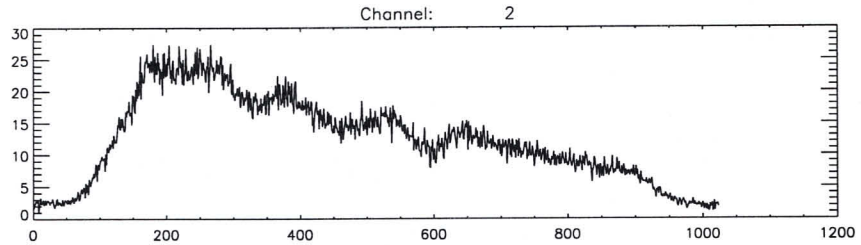
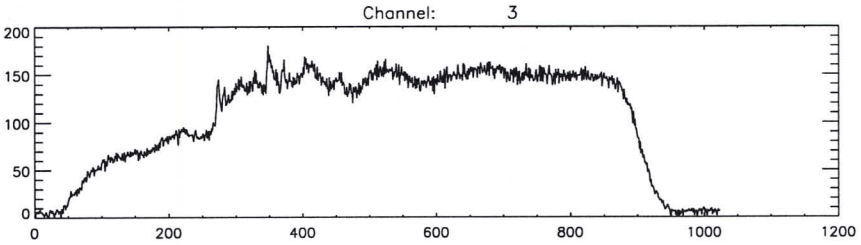
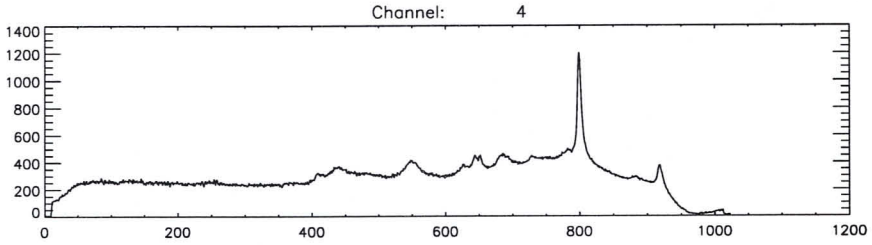
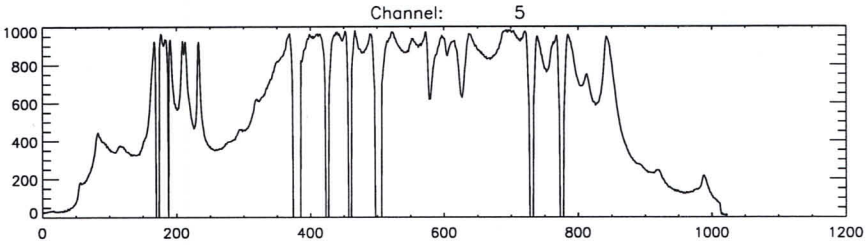
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

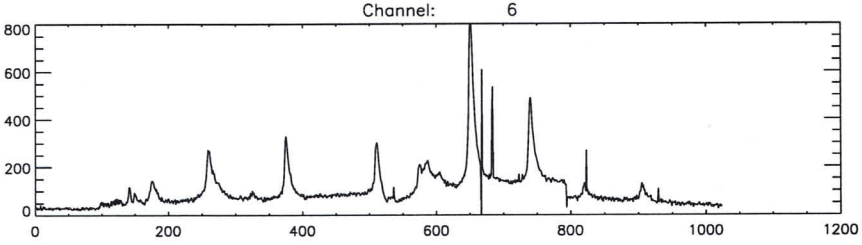

Channel: 1

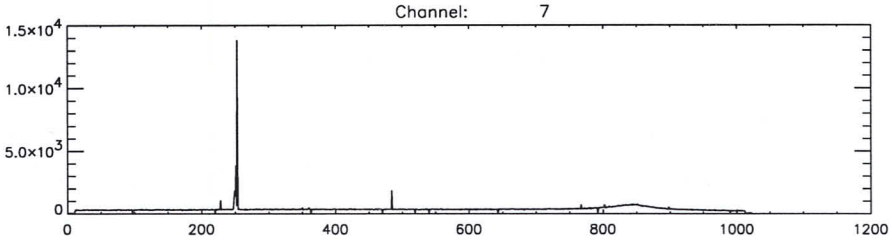

Channel: 2

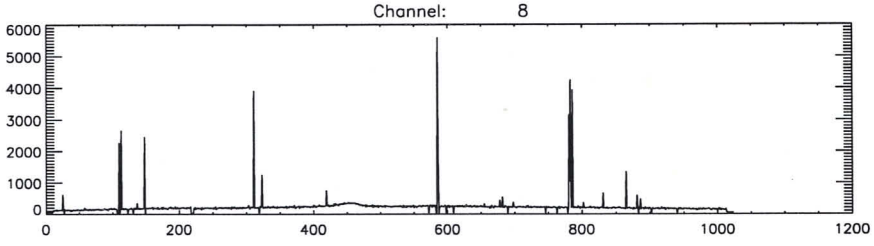

Channel: 3

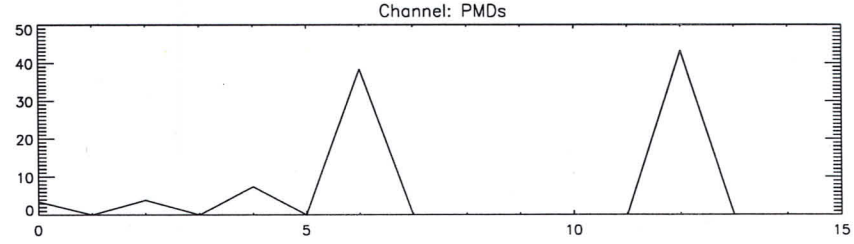

Channel: 4

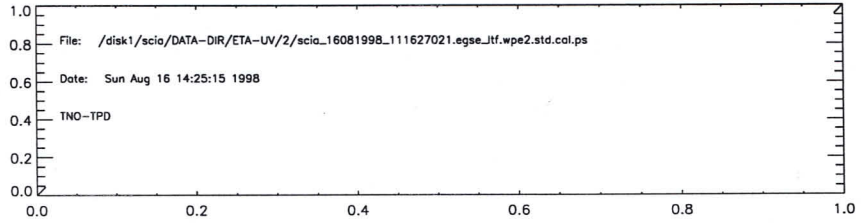

Channel: 5

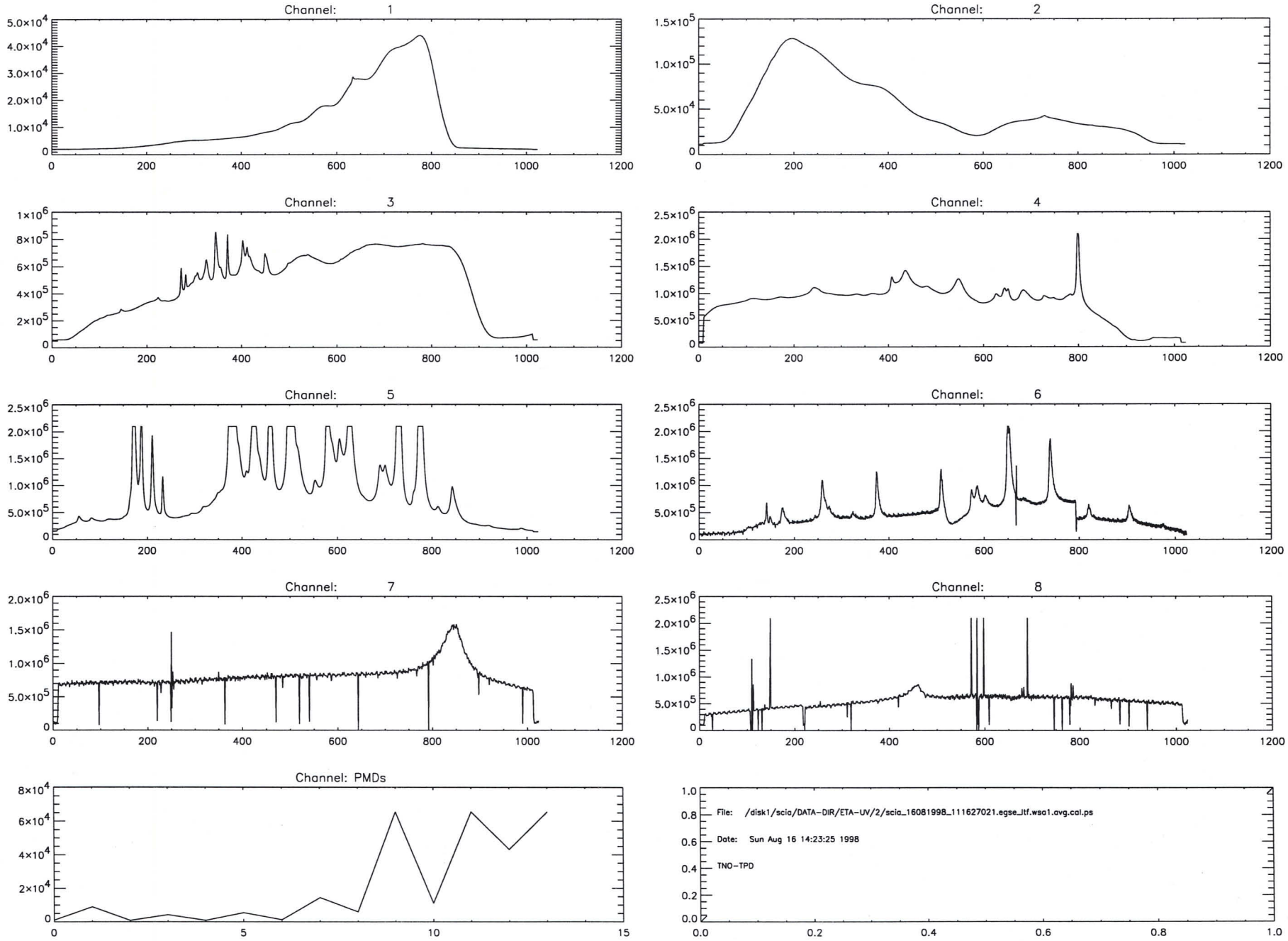

Channel: 6

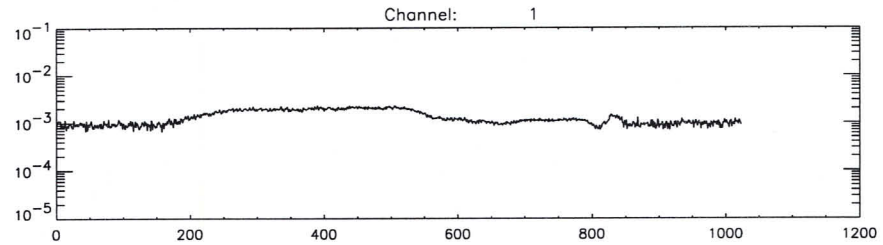

Channel: 7

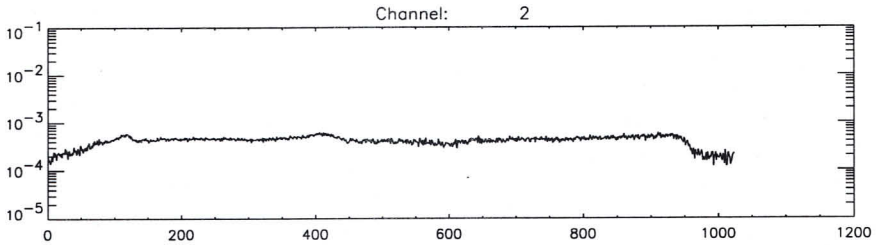

Channel: 8

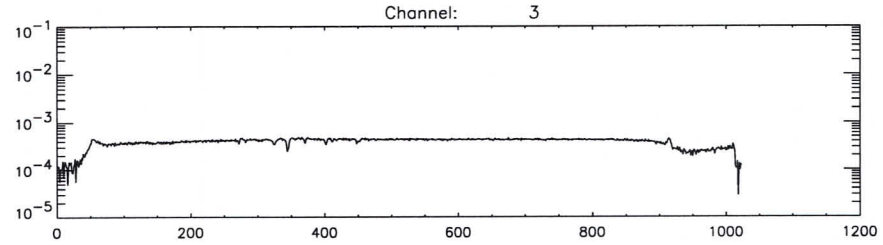

Channel: PMDs

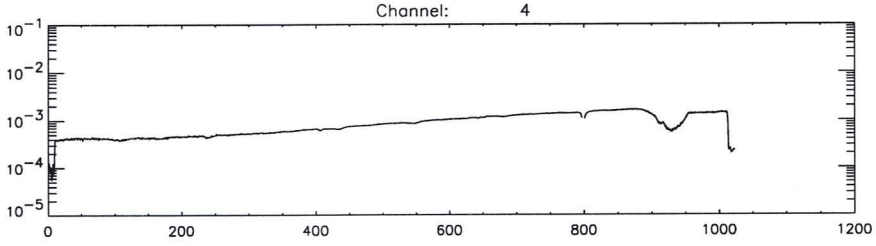

File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe2.std.cal.ps
Date: Sun Aug 16 14:25:15 1998
TNO-TPD

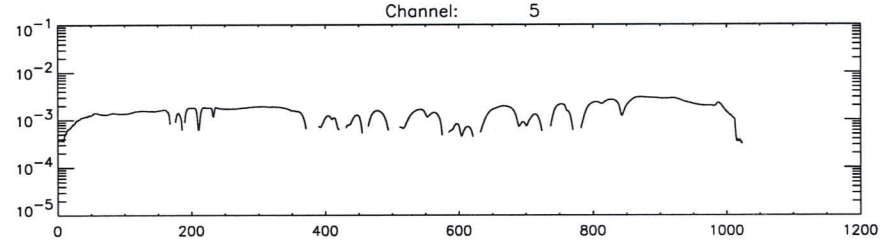

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa1.avg.cal.ps
Date: Sun Aug 16 14:23:25 1998
TNO-TPD

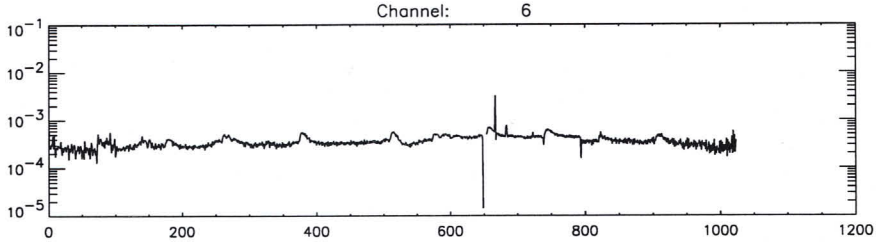

Channel: 1

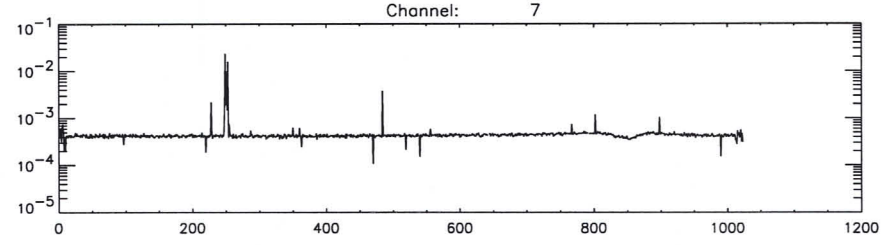

Channel: 2

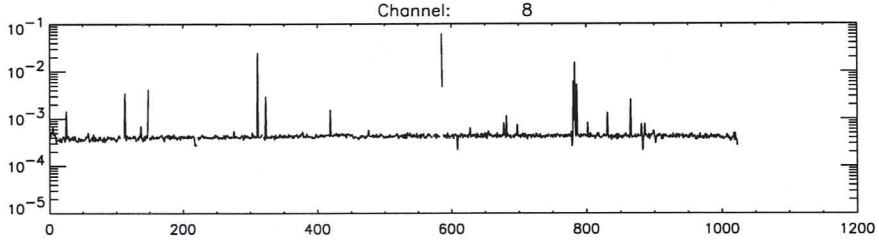

Channel: 3

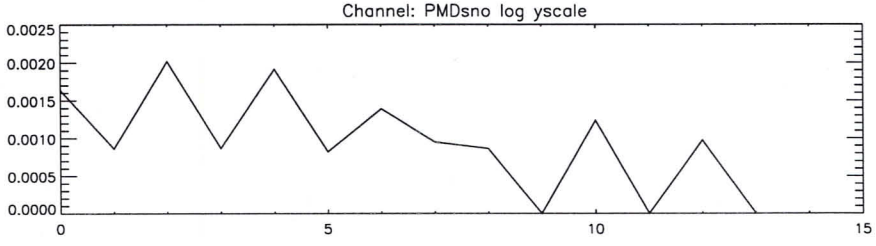

Channel: 4

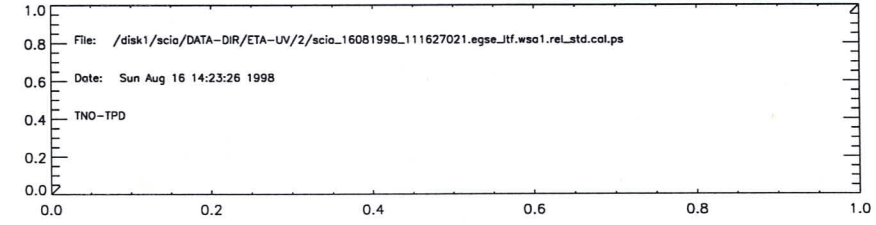

Channel: 5

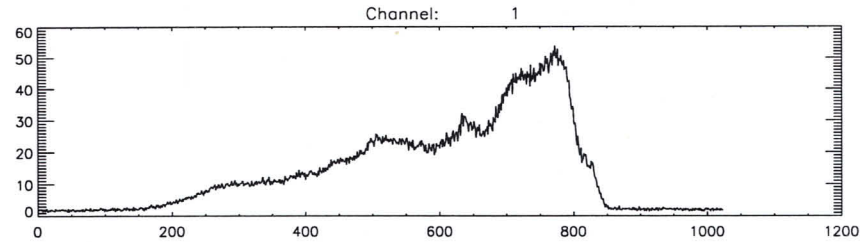

Channel: 6

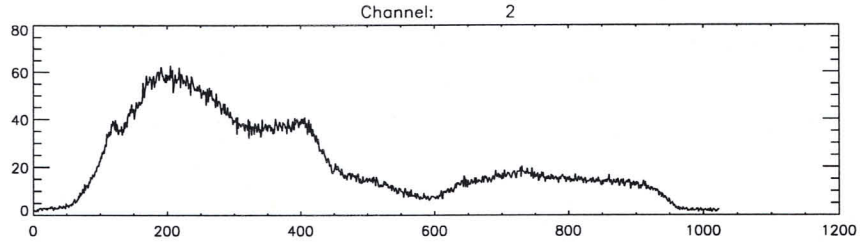

Channel: 7

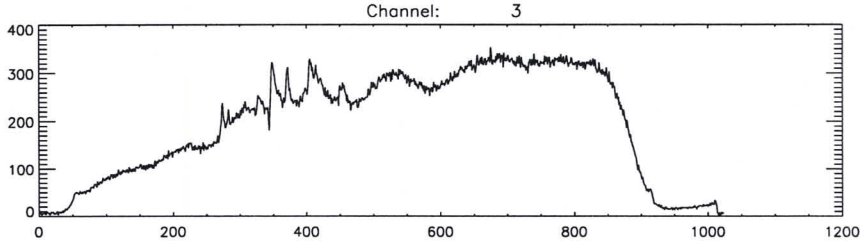

Channel: 8

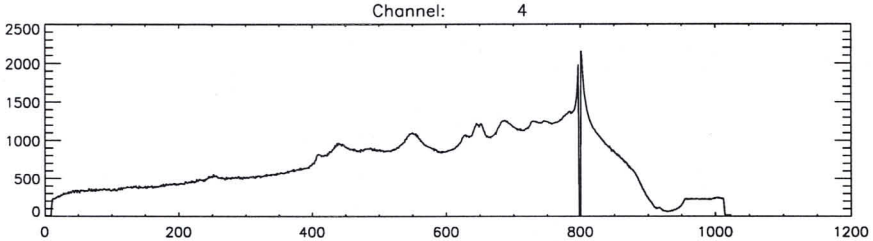

Channel: PMDsno log yscale

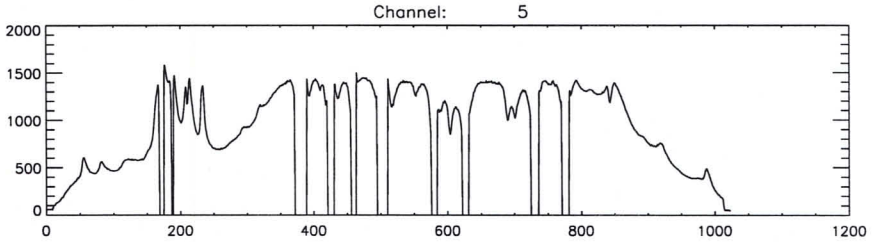

File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa1.rel_std.cal.ps
Date: Sun Aug 16 14:23:26 1998
TNO-TPD

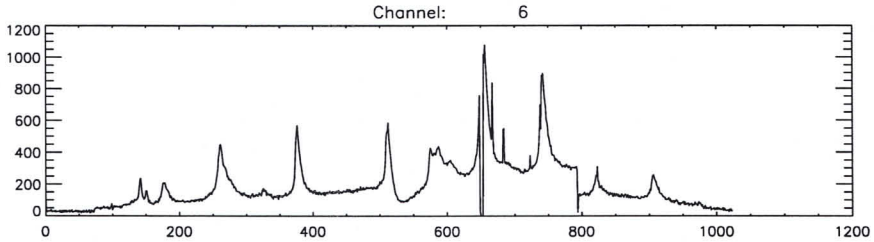

Channel: 1

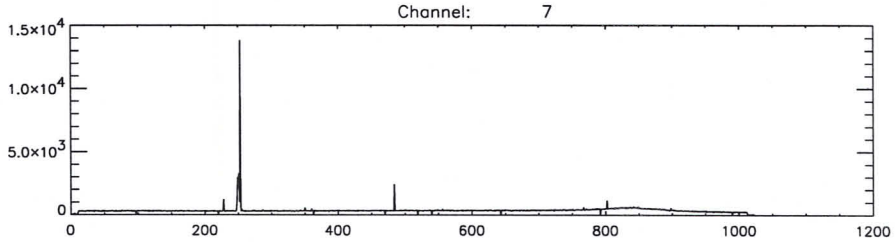

Channel: 2

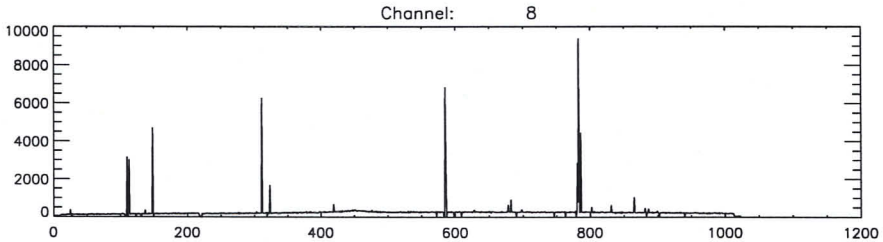

Channel: 3

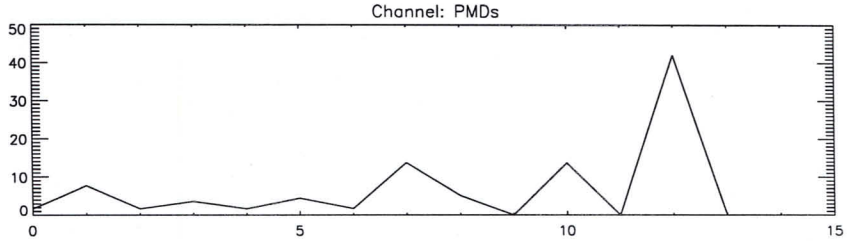

Channel: 4

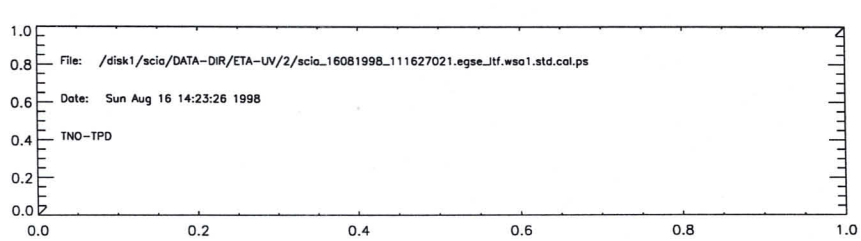

Channel: 5

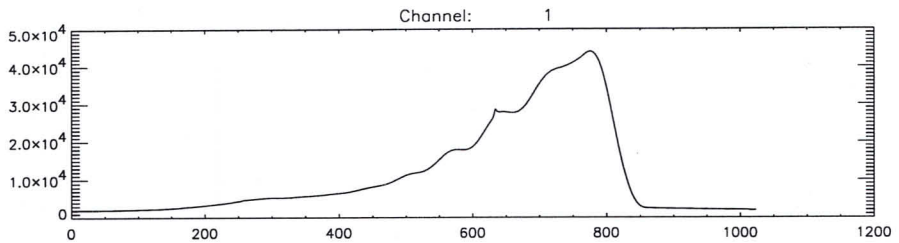

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_Itf.wso1.std.cal.ps
Date: Sun Aug 16 14:23:26 1998
TNO-TPD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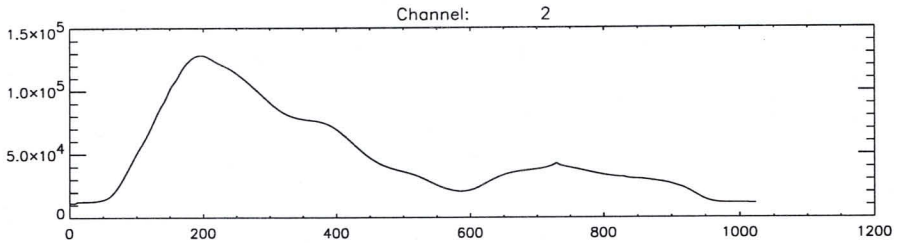
600
800
1000
1200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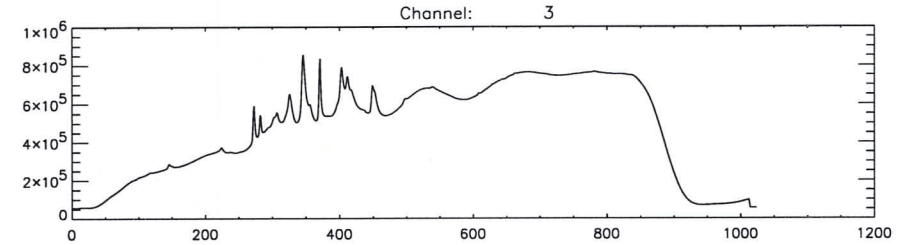
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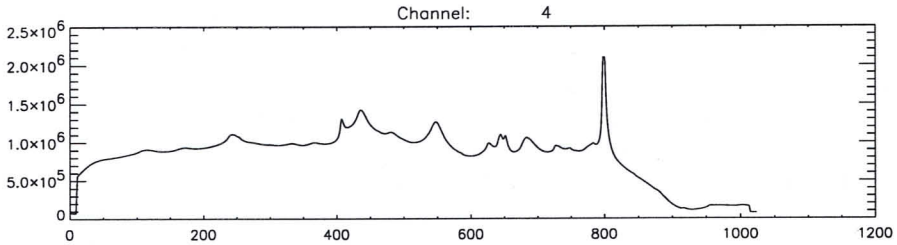
1000
1200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1000
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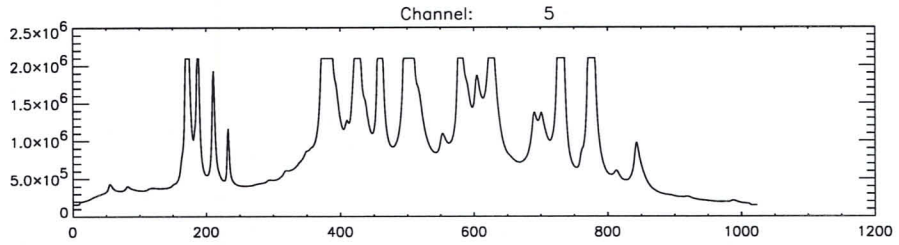
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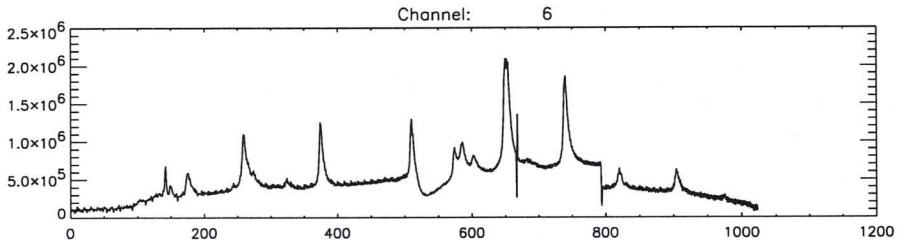
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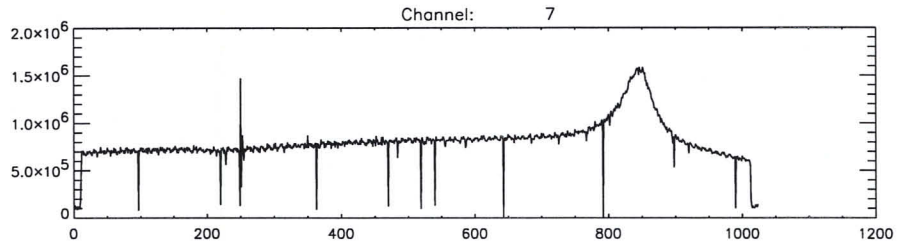
1000
1200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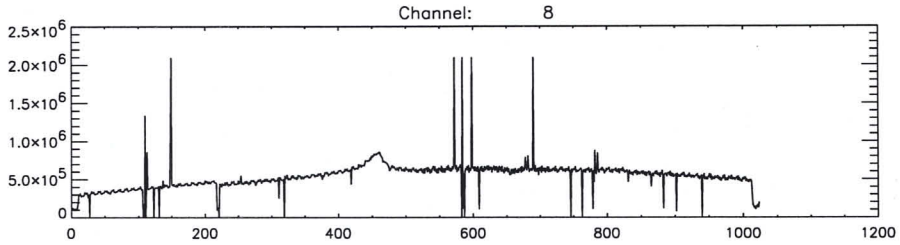
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1.0x10^6
5.0x10^5
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1000
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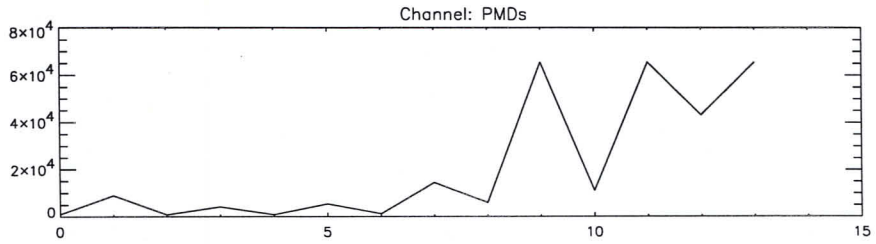
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2x10^4
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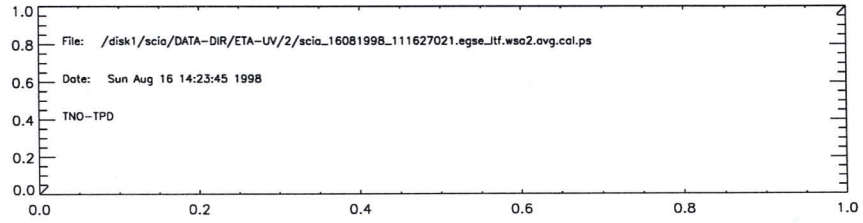
0
5
10
15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Date: Sun Aug 16 14:23:45 1998
TNO-TPD
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0.4
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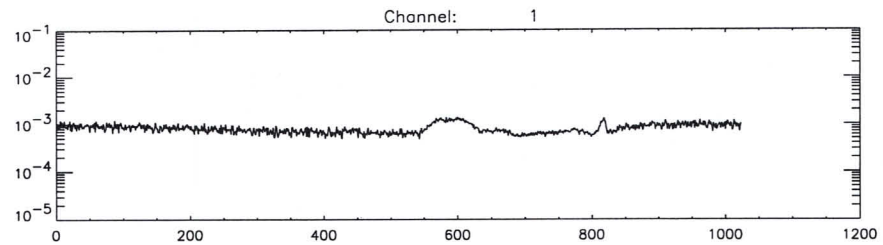
0.8
1.0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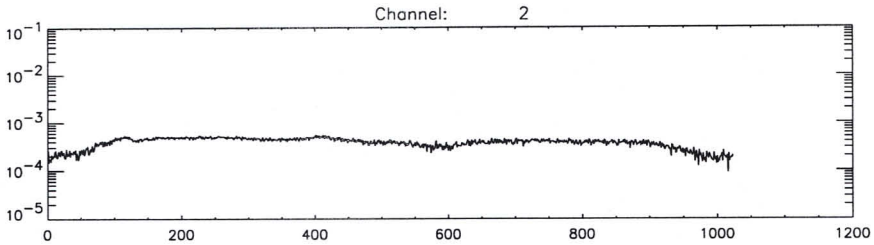
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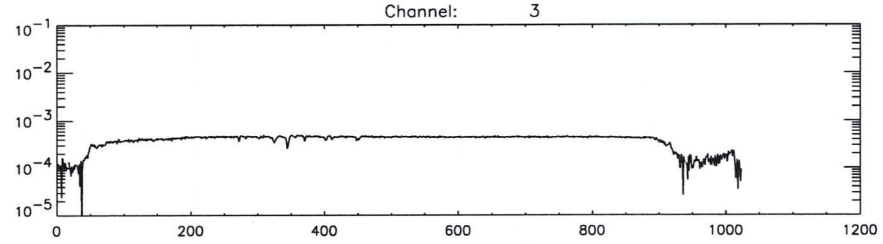
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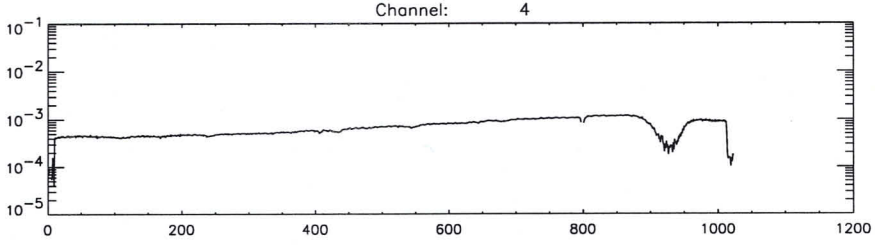
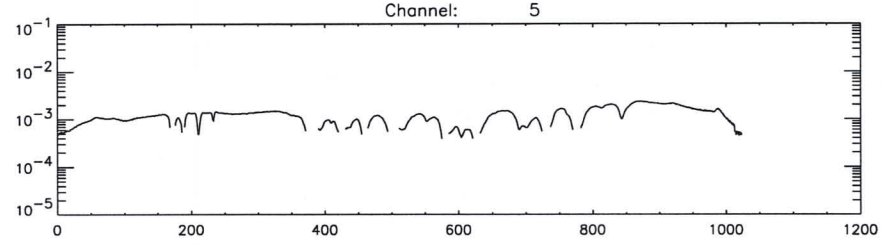
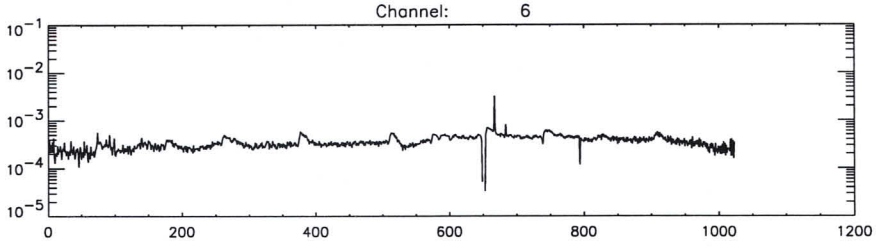

Channel: 4


Channel: 5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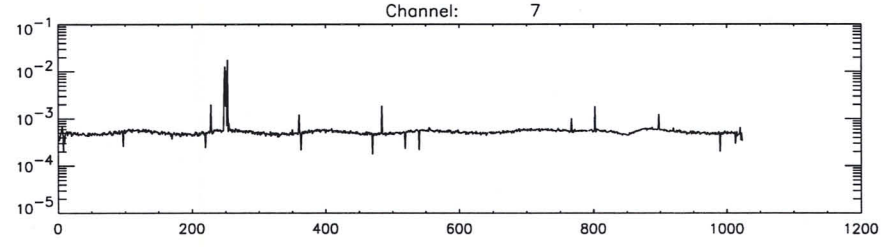
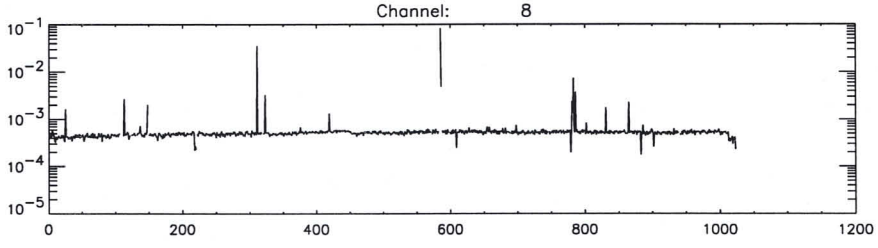
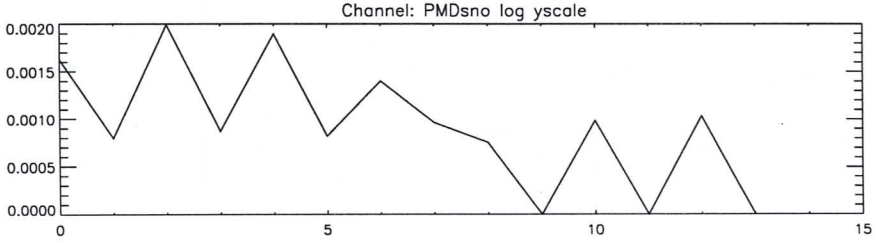
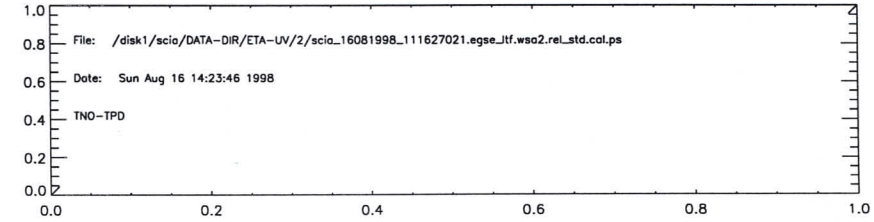

Channel: 7


Channel: 8


Channel: PMDsno log yscale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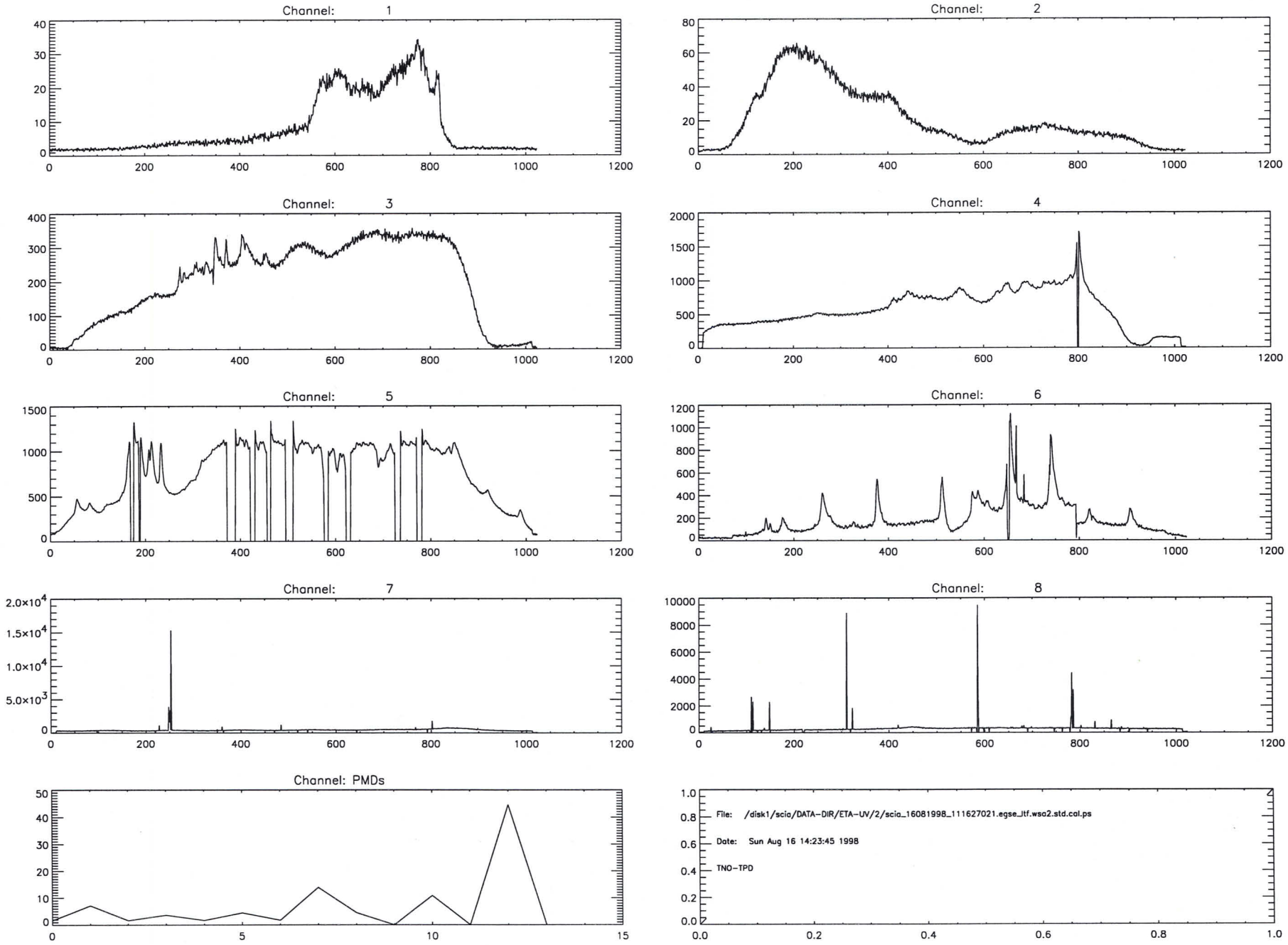
Date: Sun Aug 16 14:23:46 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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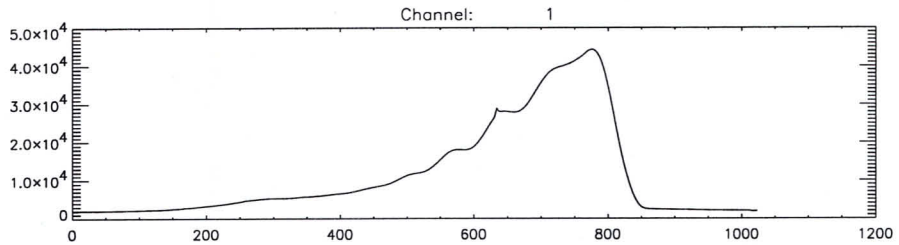
Date: Sun Aug 16 14:23:45 1998
TNO-TPD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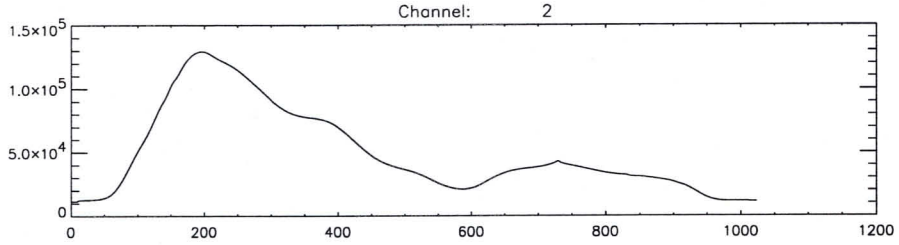
600
800
1000
1200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5.0x10^4
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0
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600
800
1000
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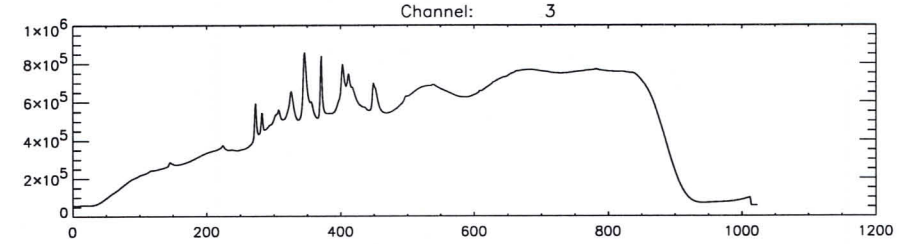
Channel: 3
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4x10^5
2x10^5
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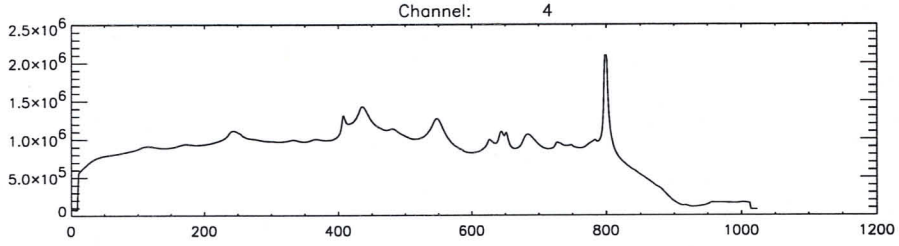
800
1000
1200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1.0x10^6
5.0x10^5
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1000
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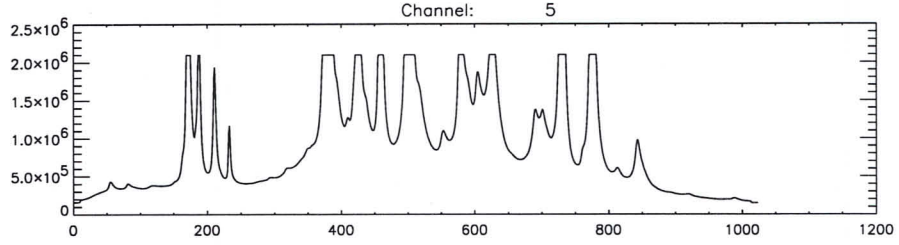
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1.0x10^6
5.0x10^5
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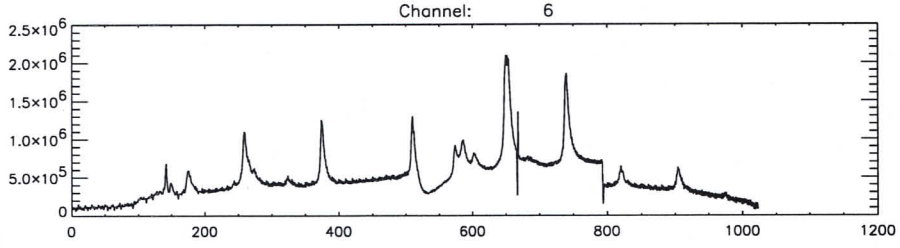
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1.0x10^6
5.0x10^5
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400
600
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1000
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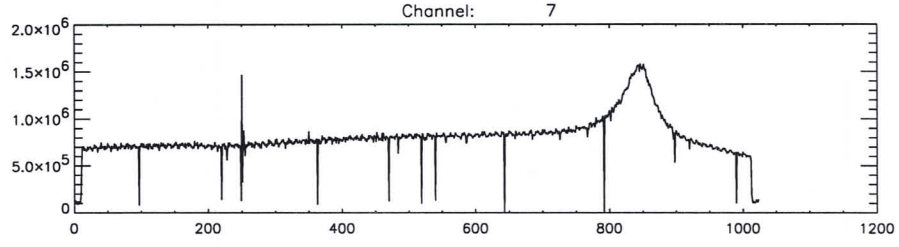
Channel: 7
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1.0x10^6
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1000
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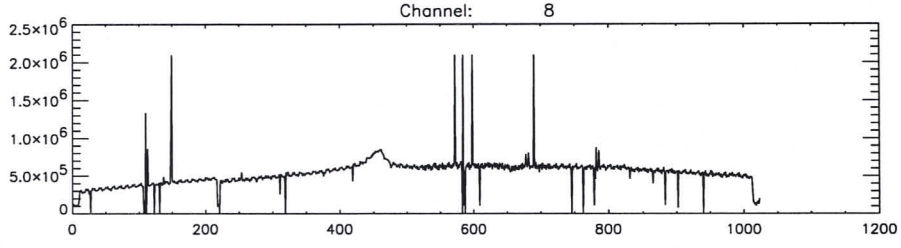
Channel: 8
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1.0x10^6
5.0x10^5
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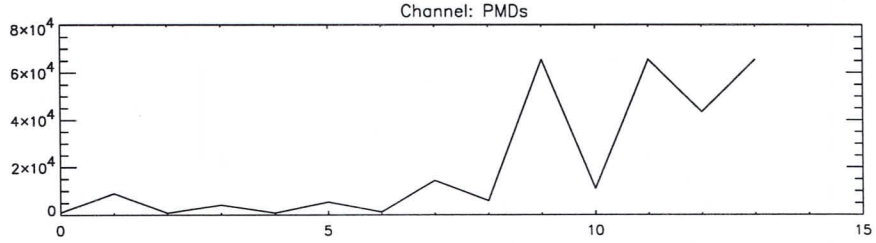
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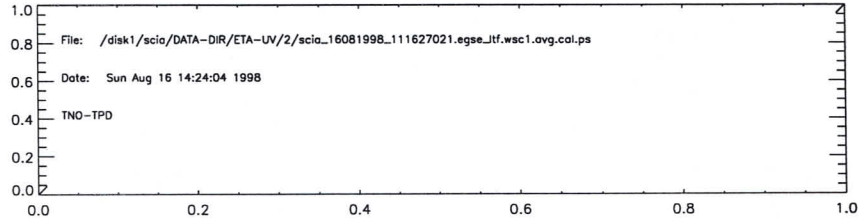
10
15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Date: Sun Aug 16 14:24:04 1998
TNO-TPD
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0.6
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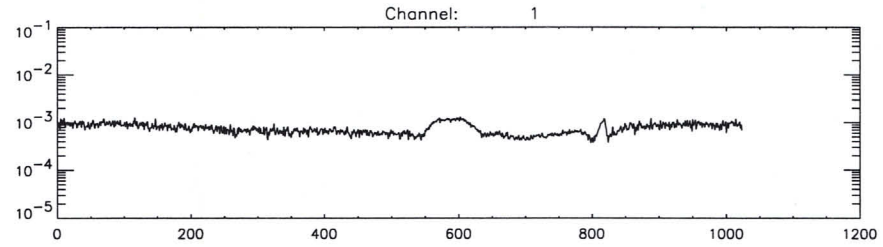
0.0
0.0
0.2
0.4
0.6
0.8
1.0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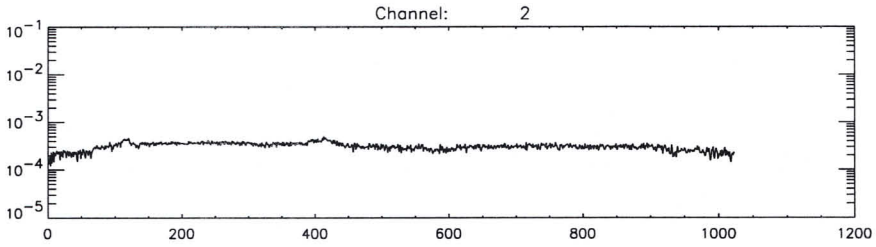
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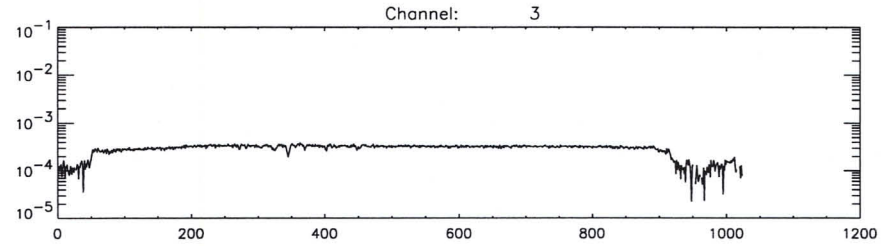
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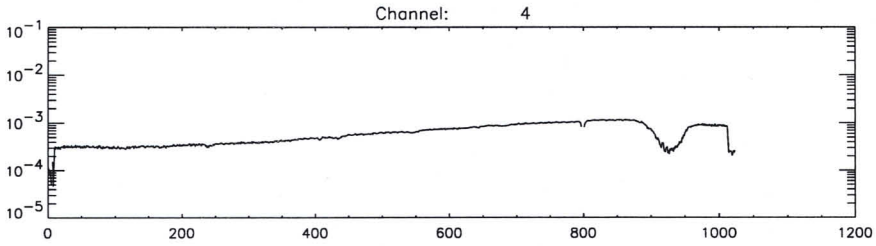
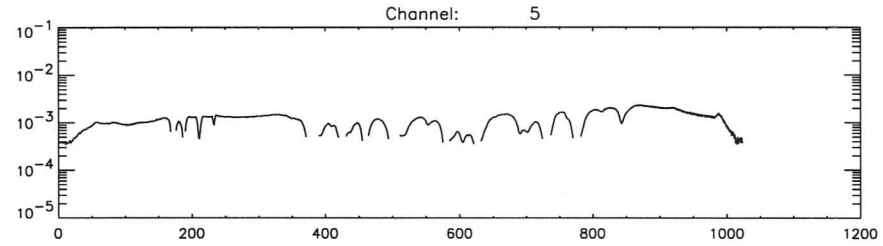

Channel: 4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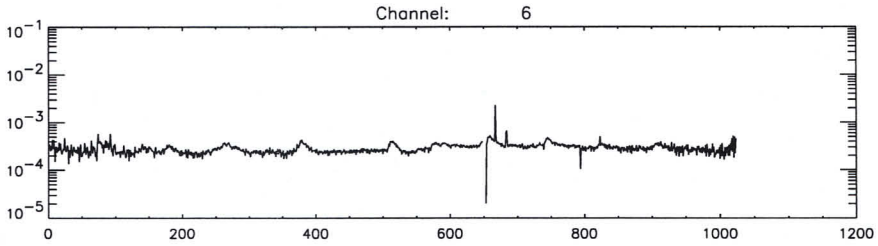
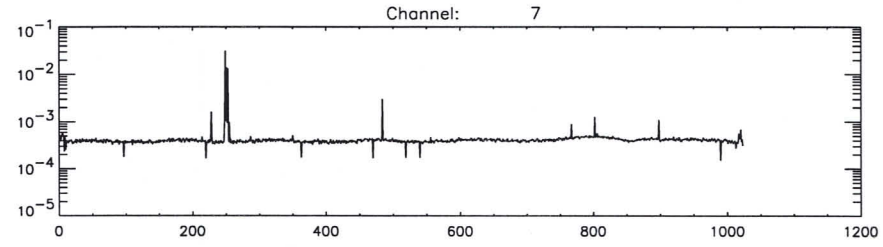
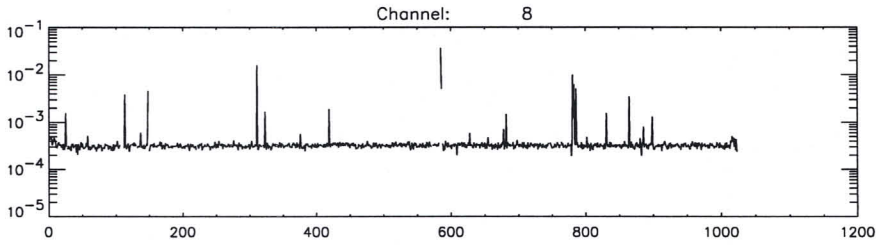

Channel: 6


Channel: 7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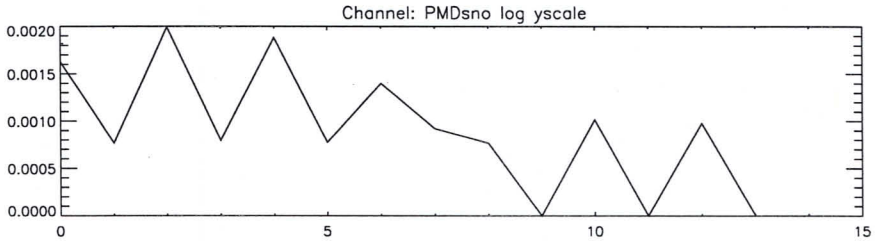
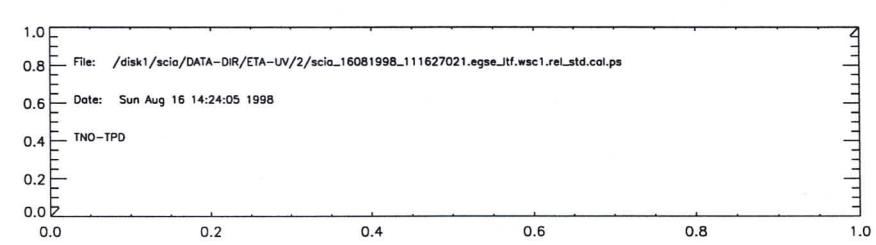

Channel: PMDsno log yscale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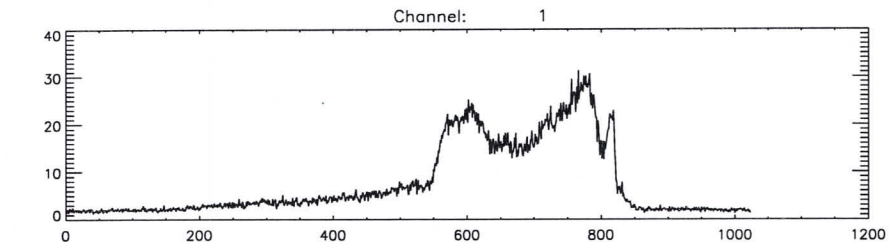
Date: Sun Aug 16 14:24:05 1998
TNO-TPD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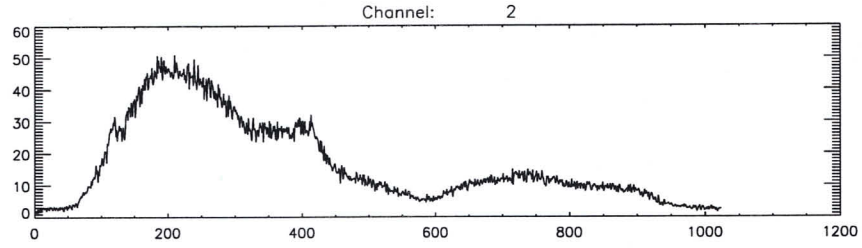
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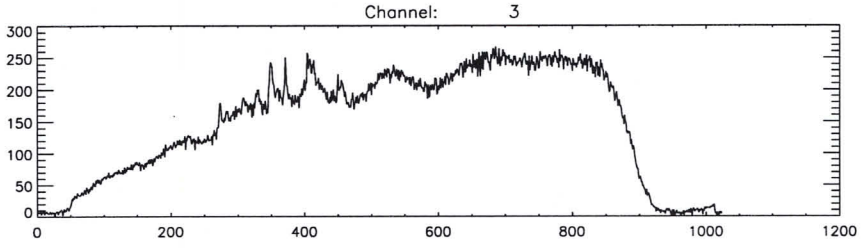
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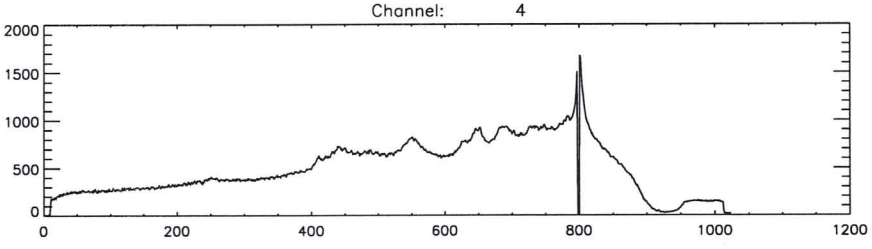
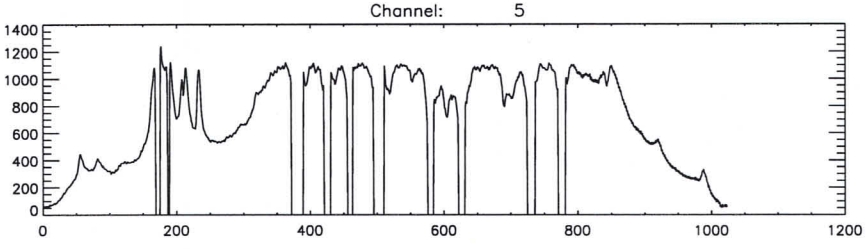
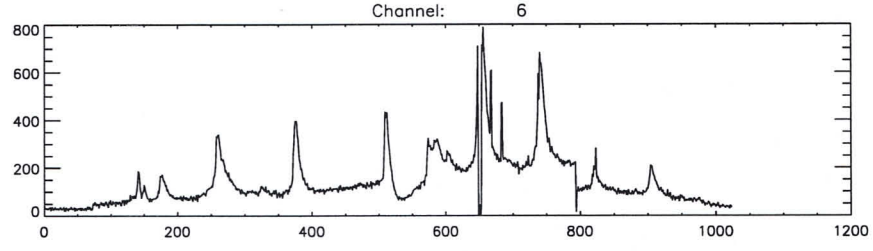
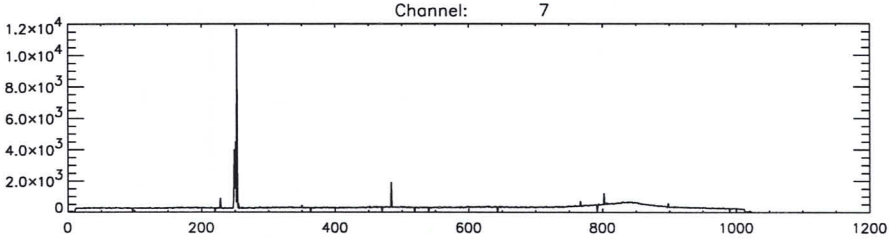
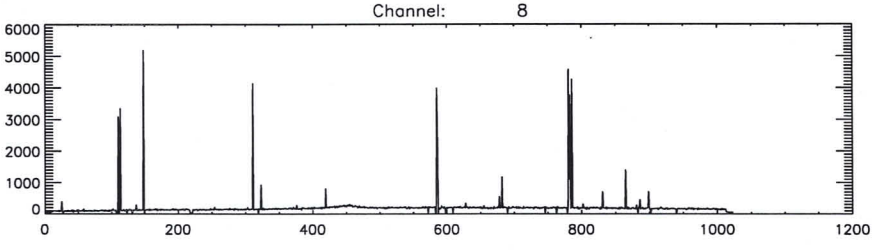
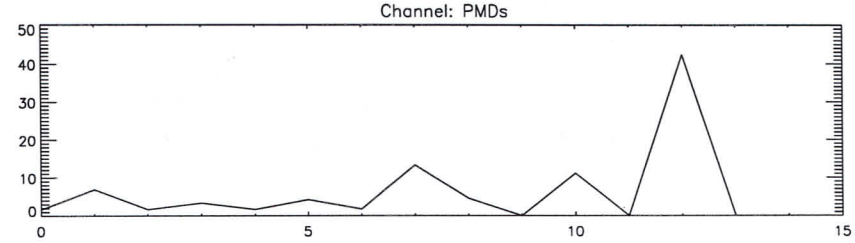

Channel: 4

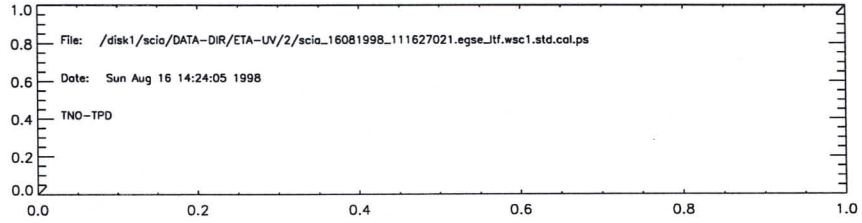

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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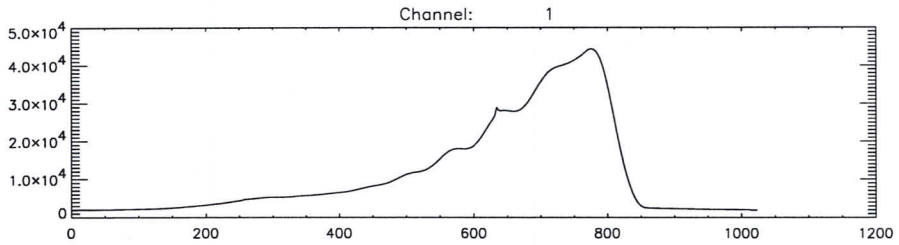
Date: Sun Aug 16 14:24:05 1998
TNO-TPD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4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
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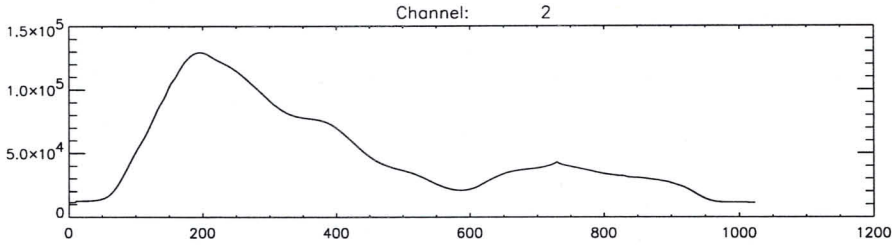
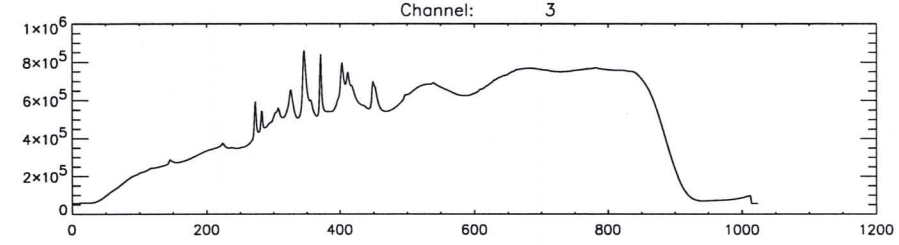
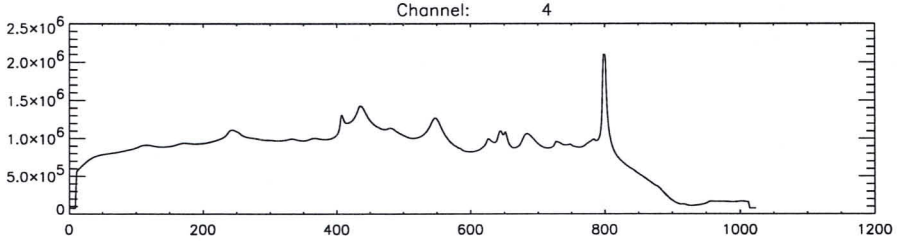
600
800
1000
1200


Channel: 2
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 3
1x10^6
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200


Channel: 4
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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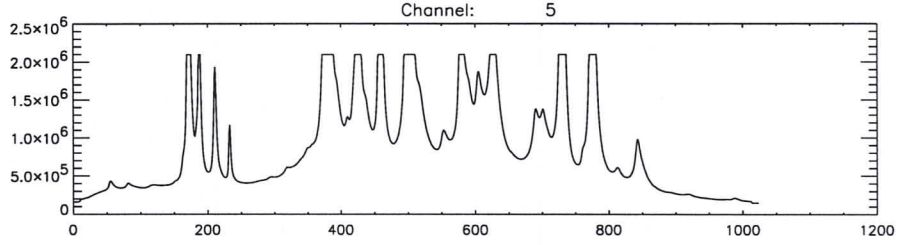
600
800
1000
1200


Channel: 5
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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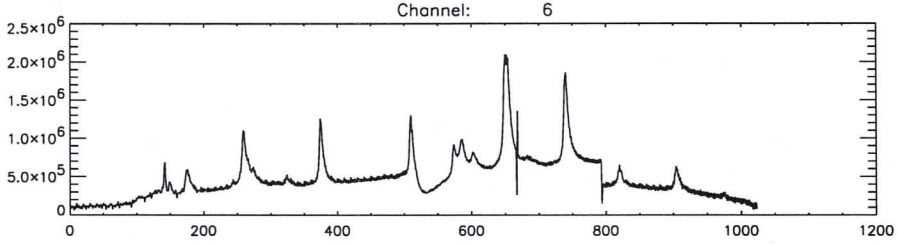
400
600
800
1000
1200


Channel: 6
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
0
0
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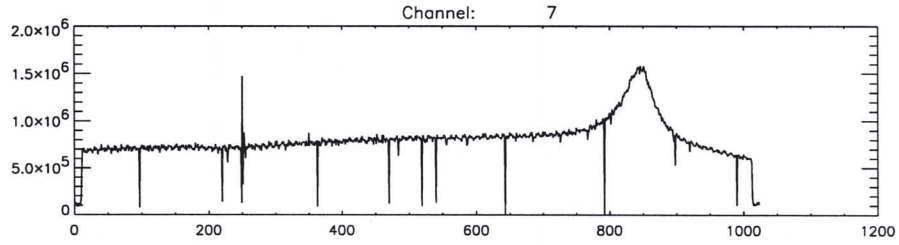
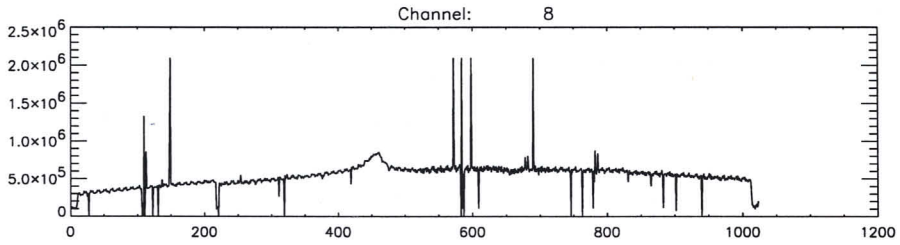
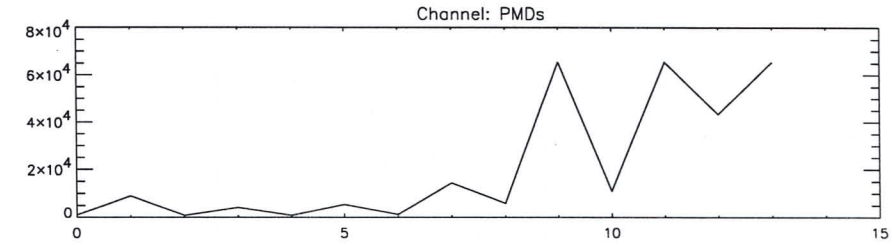
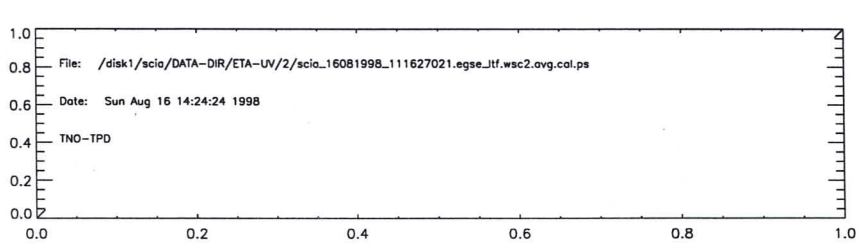
400
600
800
1000
1200


Channel: 7
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc2.avg.cal.ps
Date: Sun Aug 16 14:24:24 1998
TNO-TPD
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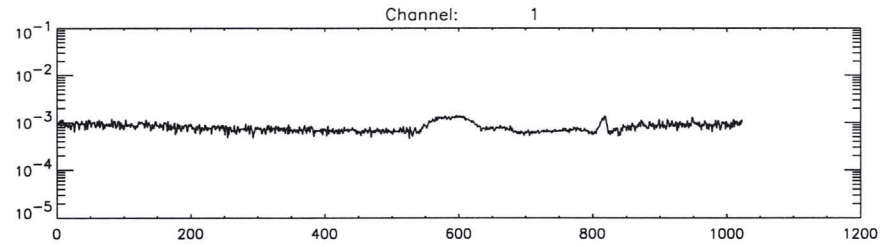
0.2
0.4
0.6
0.8
1.0


Channel: 1
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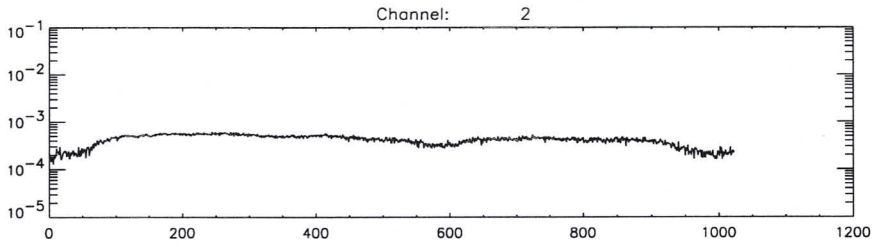
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
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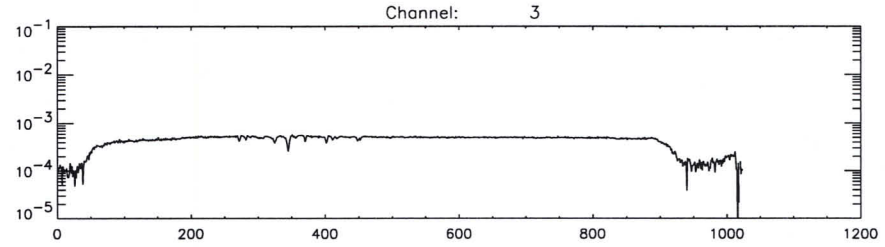
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
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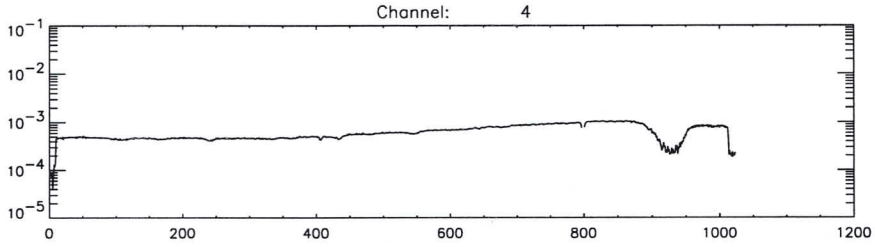
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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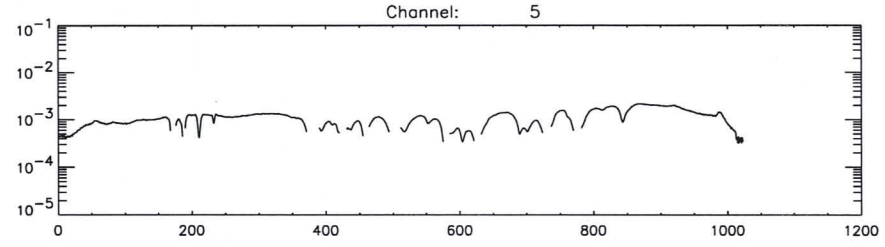
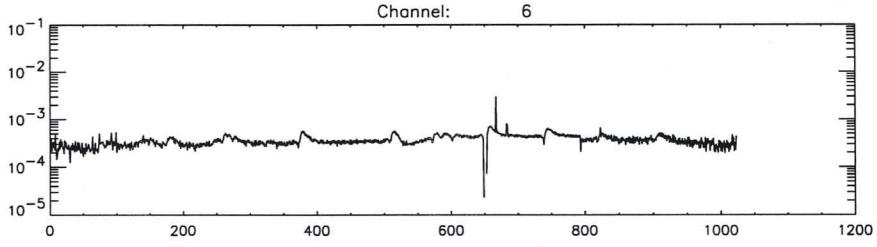
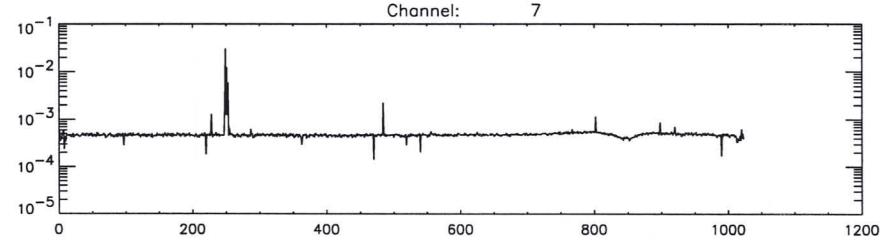
400
600
800
1000
1200


Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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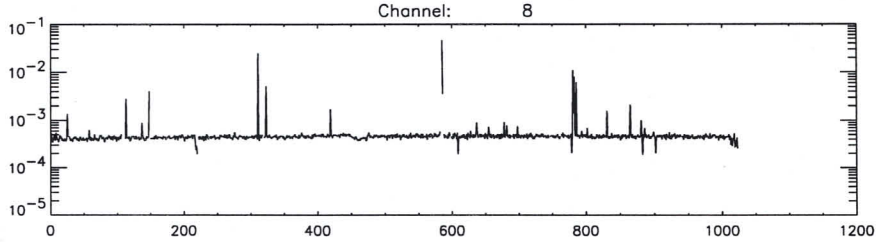
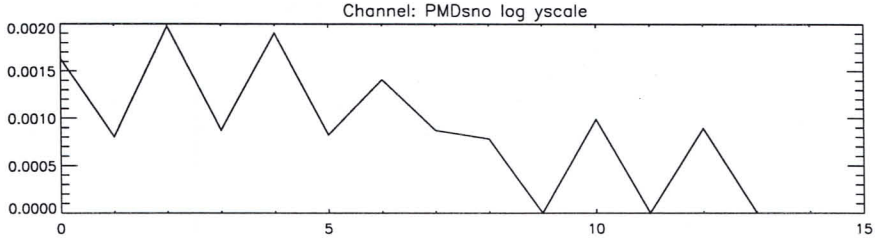
400
600
800
1000
1200


Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDsno log yscale
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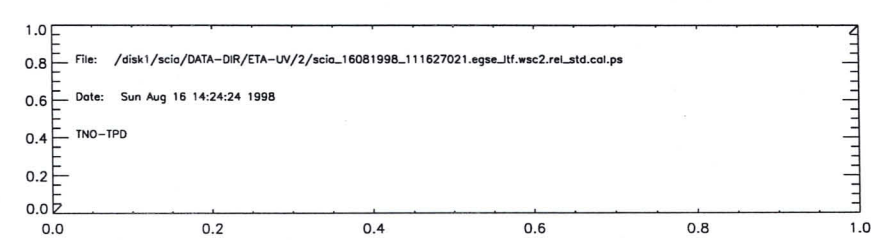
0.0015
0.0010
0.0005
0.0000
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc2.rel_std.cal.ps
Date: Sun Aug 16 14:24:24 1998
TNO-TPD
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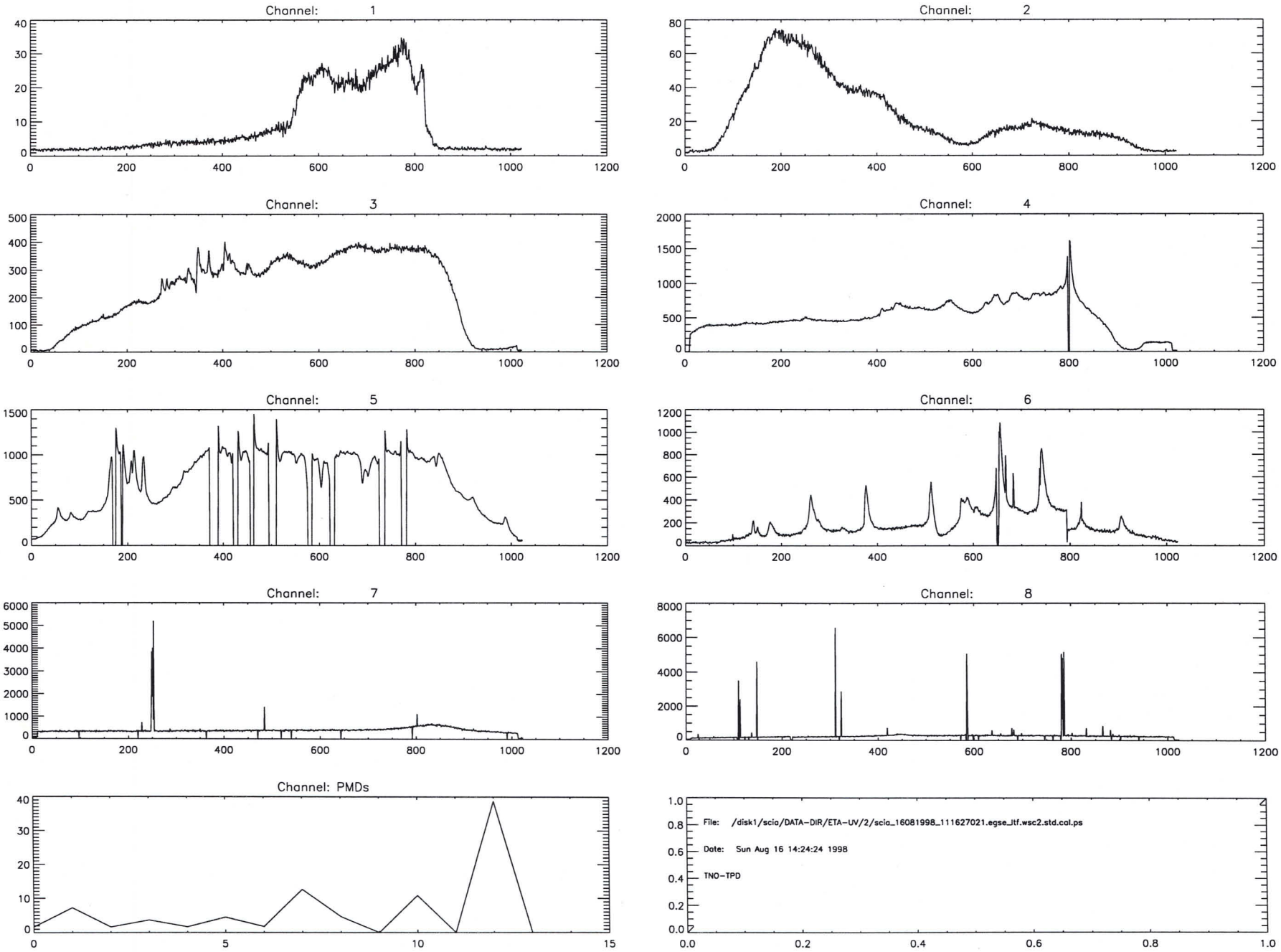
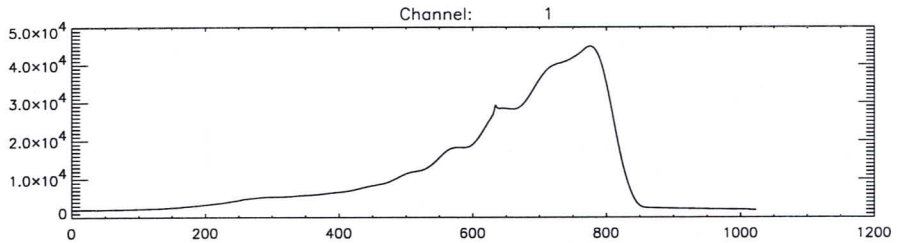
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wsc2.std.cal.ps
Date: Sun Aug 16 14:24:24 1998
TNO-TPD


Channel: 1
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
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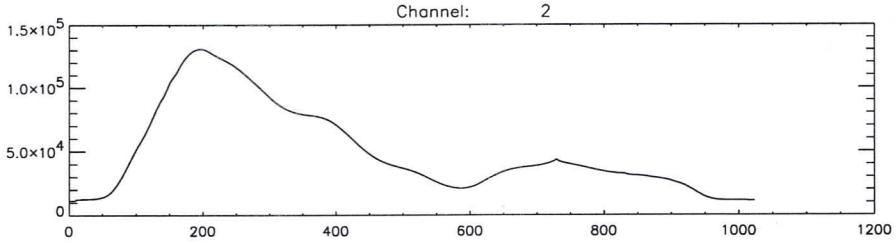
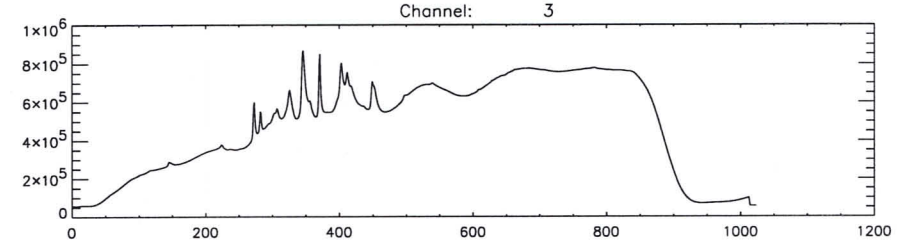
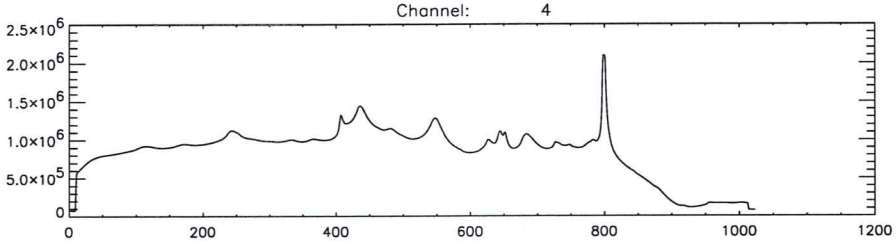
600
800
1000
1200


Channel: 2
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 3
1x10^6
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200


Channel: 4
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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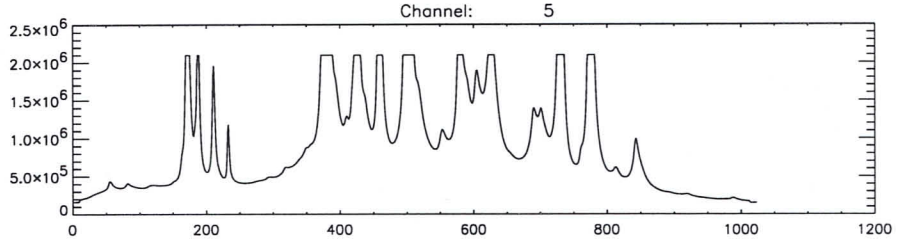
600
800
1000
1200


Channel: 5
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
0
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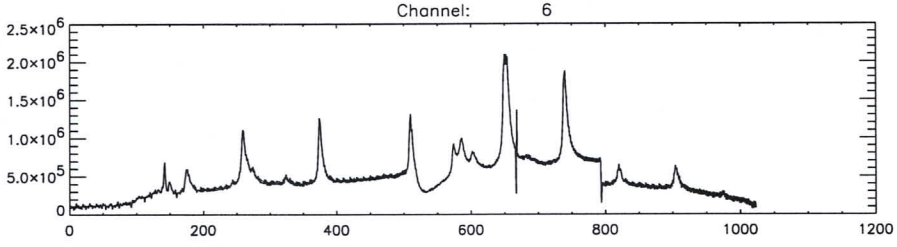
400
600
800
1000
1200


Channel: 6
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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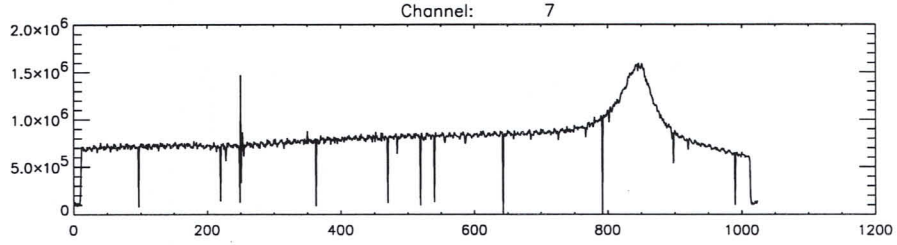
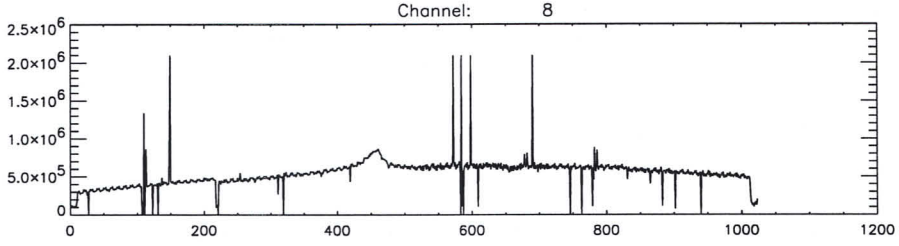
600
800
1000
1200


Channel: 7
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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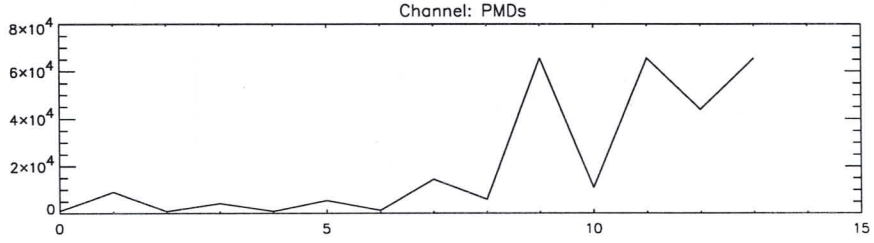
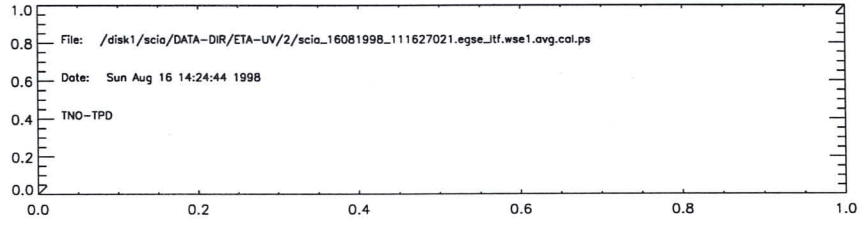
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_itf.wse1.avg.cal.ps
Date: Sun Aug 16 14:24:44 1998
TNO-TPD
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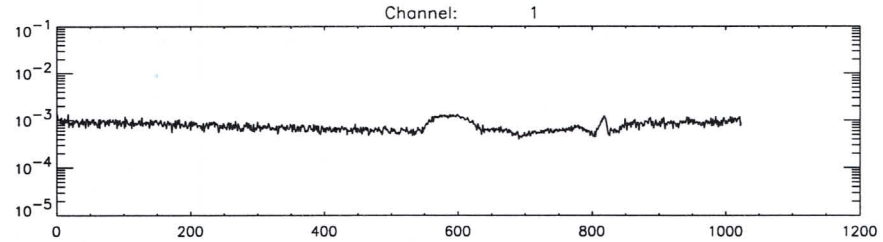
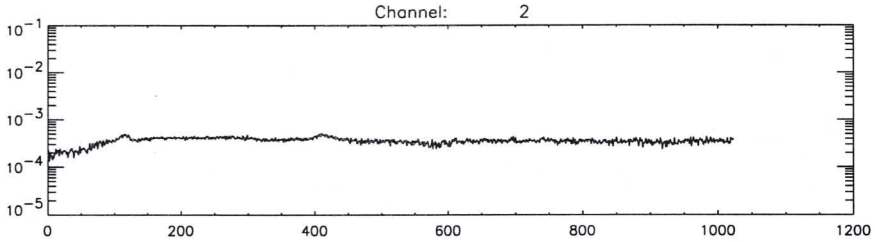
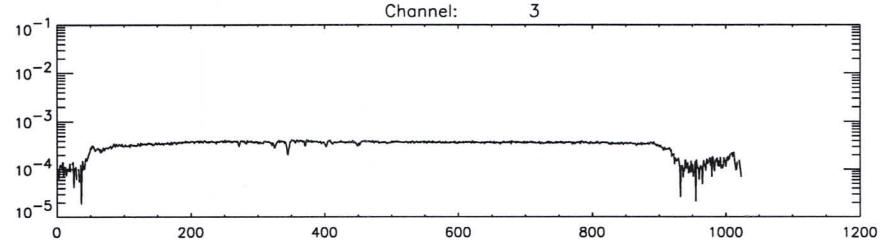
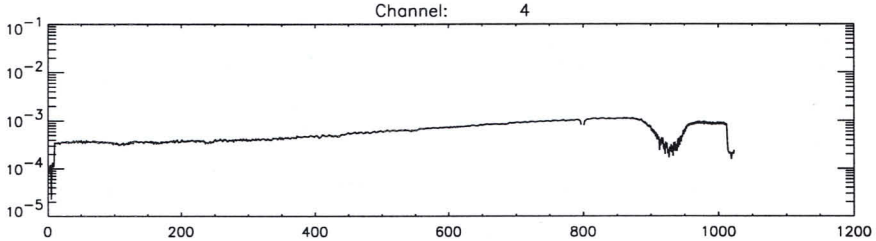
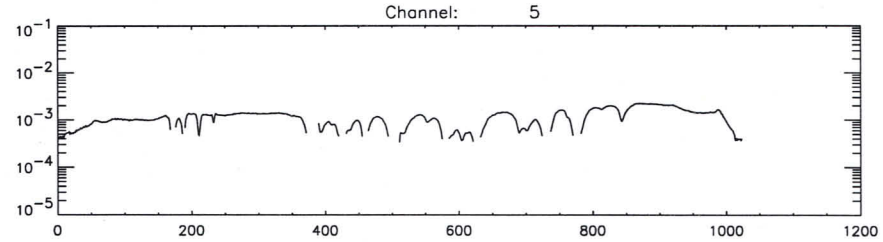
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1


Channel: 2


Channel: 3


Channel: 4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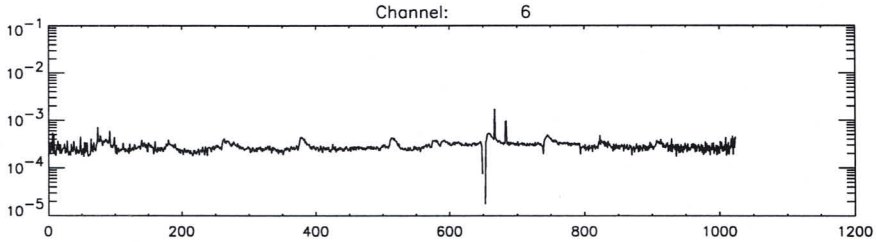
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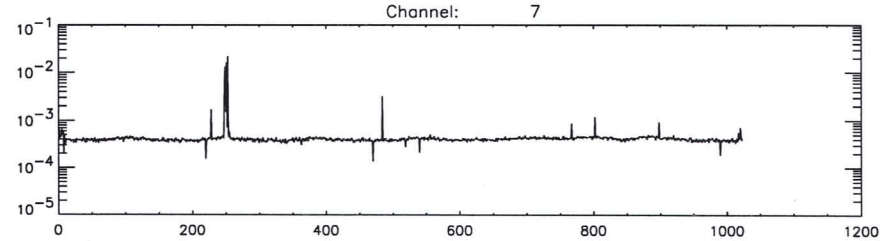
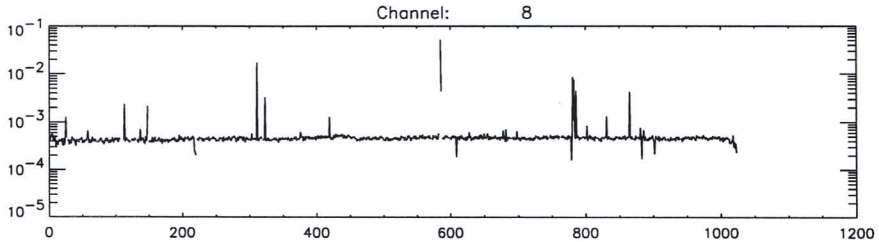

Channel: 7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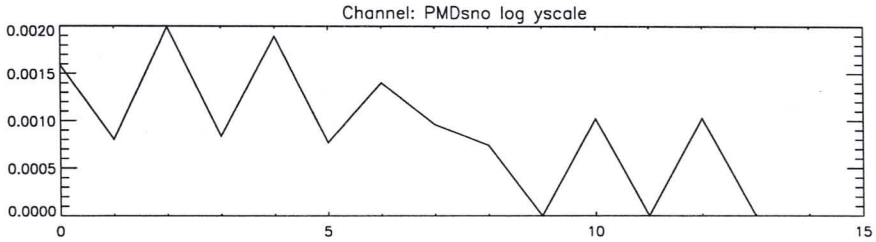
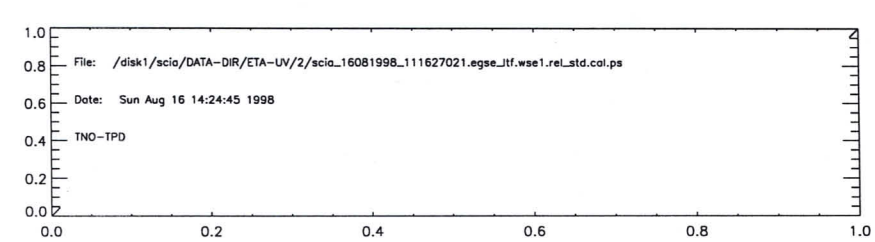

Channel: PMDsno log yscale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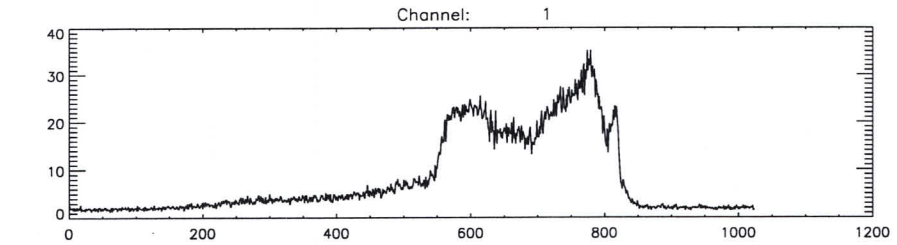
Date: Sun Aug 16 14:24:45 1998
TNO-TPD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20
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600
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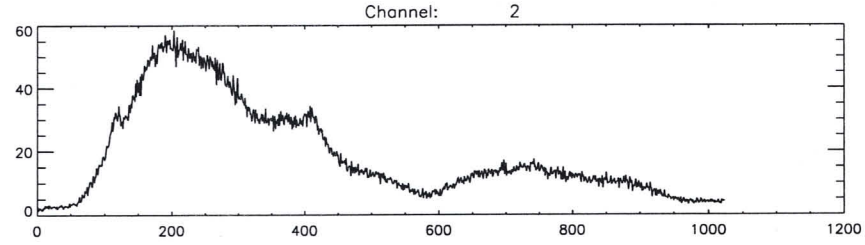
1000
1200


Channel: 2
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200
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600
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1000
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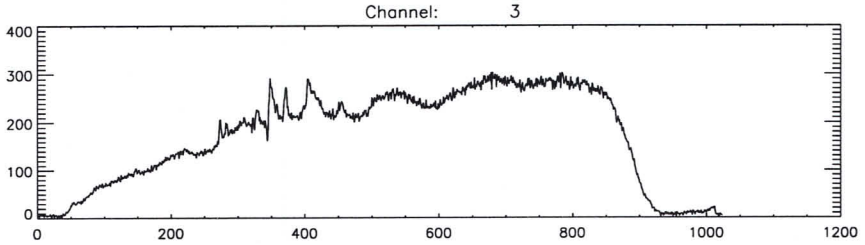
Channel: 3
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300
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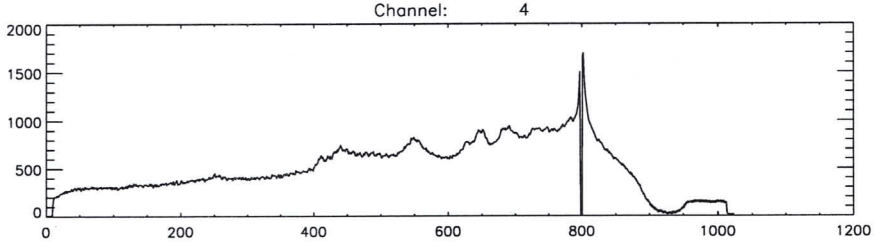
Channel: 4
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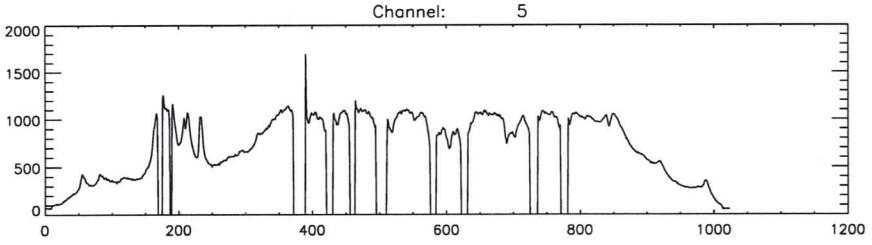
1000
1200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0
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200
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600
800
1000
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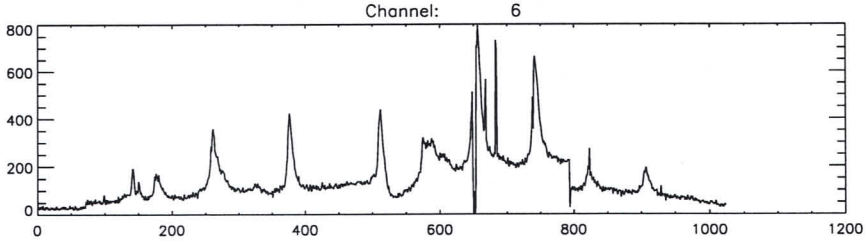
Channel: 6
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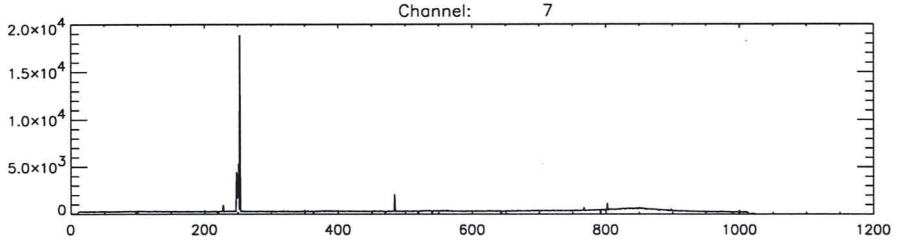
600
400
200
0
0
200
400
600
800
1000
1200


Channel: 7
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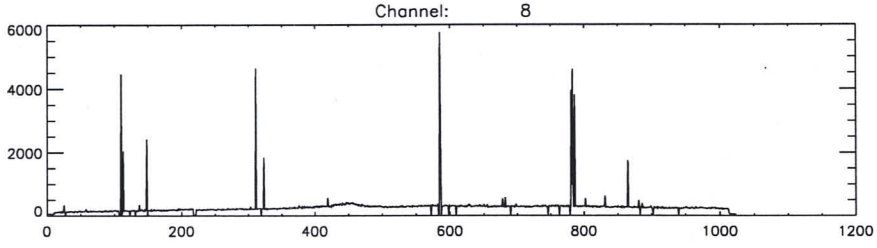
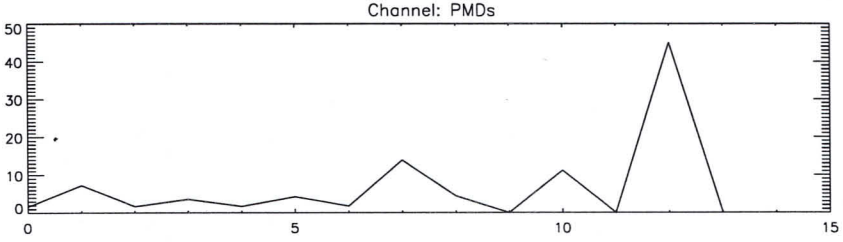
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200


Channel: 8
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: PMDs
50
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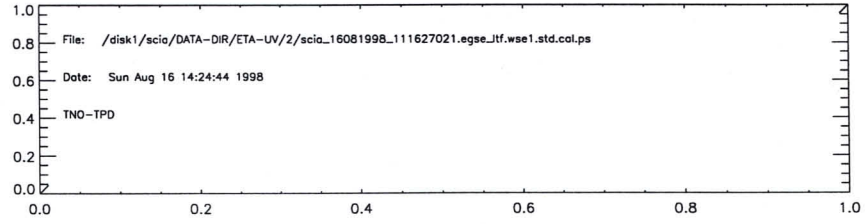
30
20
10
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
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Date: Sun Aug 16 14:24:44 1998
TNO-TPD
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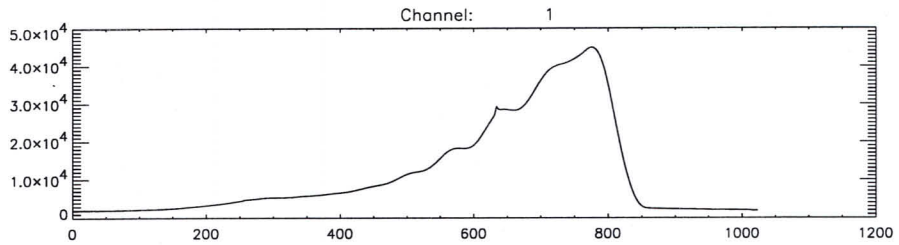
0.2
0.4
0.6
0.8
1.0


Channel: 1
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3.0x10^4
2.0x10^4
1.0x10^4
0
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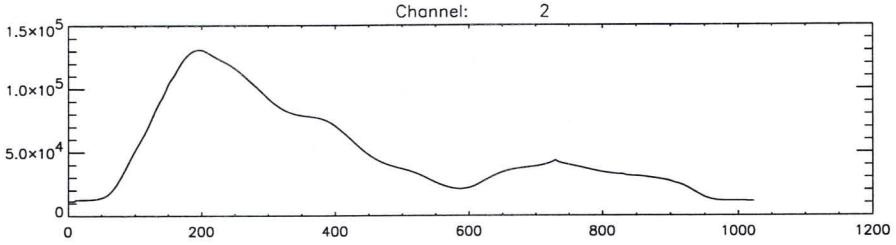
600
800
1000
1200


Channel: 2
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1.0x10^5
5.0x10^4
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0
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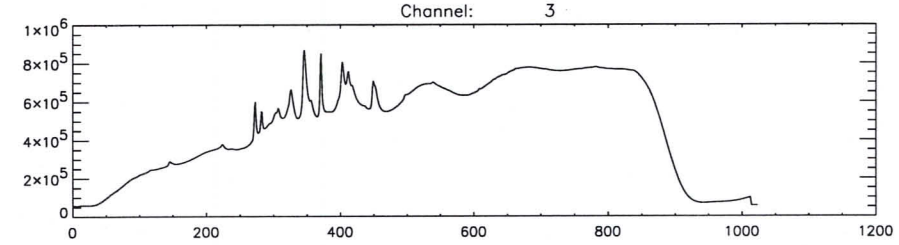
400
600
800
1000
1200


Channel: 3
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6x10^5
4x10^5
2x10^5
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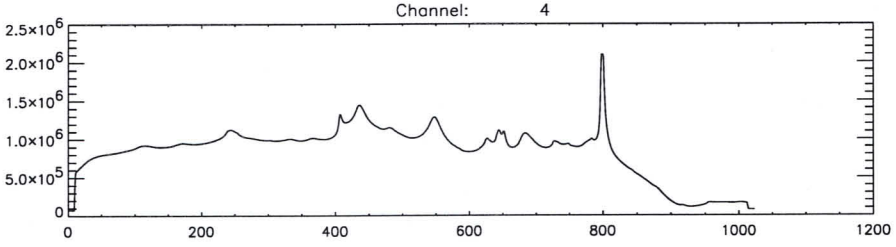
600
800
1000
1200


Channel: 4
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
0
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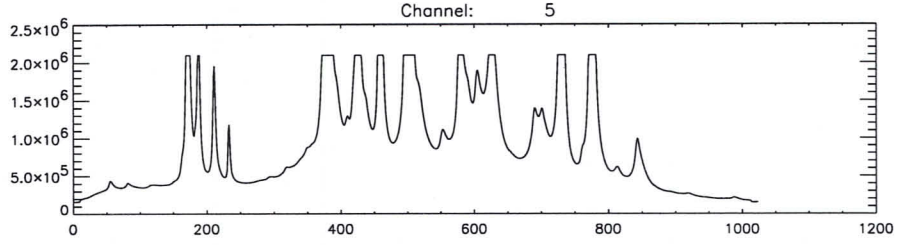
600
800
1000
1200


Channel: 5
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
0
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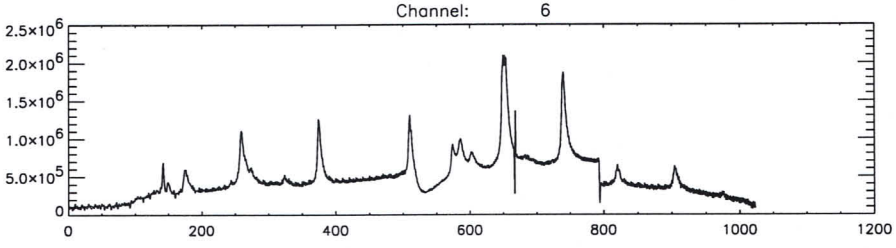
600
800
1000
1200


Channel: 6
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1.5x10^6
1.0x10^6
5.0x10^5
0
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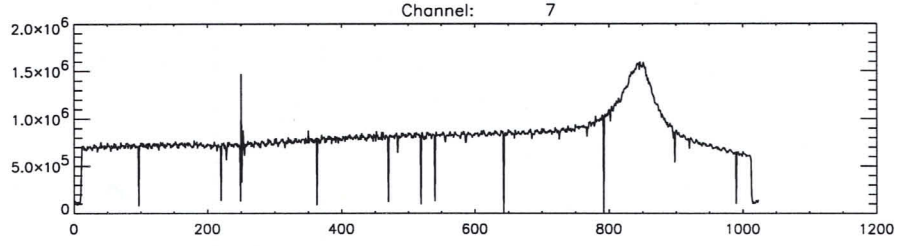
600
800
1000
1200


Channel: 7
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1.0x10^6
5.0x10^5
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600
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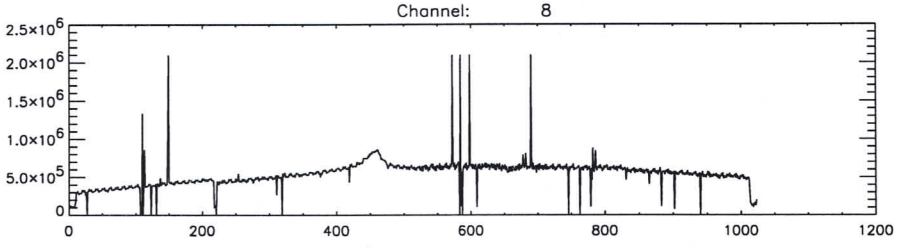
1000
1200


Channel: 8
2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
0
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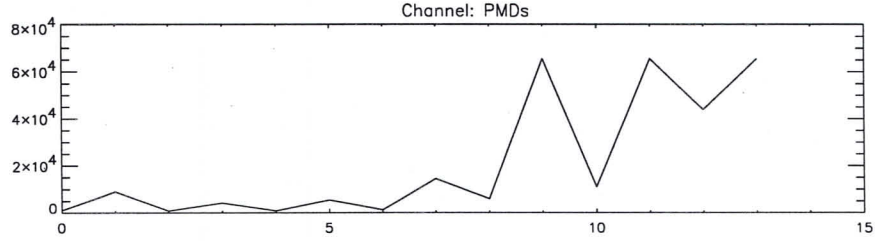
600
800
1000
1200


Channel: PMDs
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2x10^4
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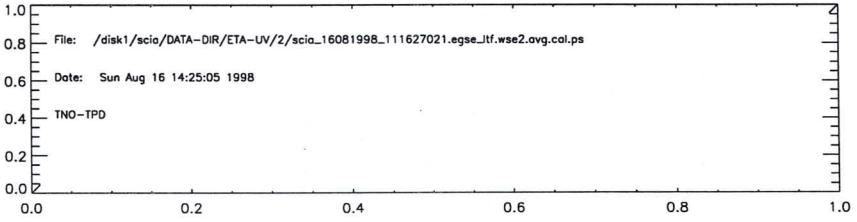
0
5
10
15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Date: Sun Aug 16 14:25:05 1998
TNO-TPD
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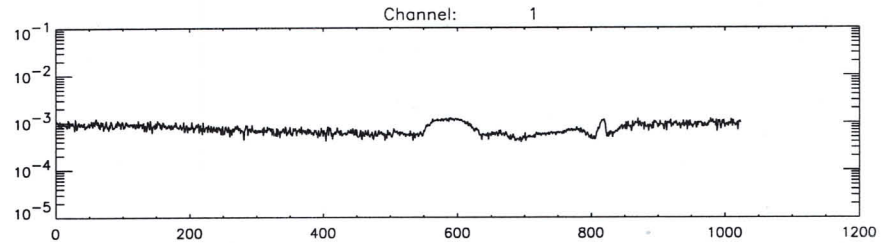
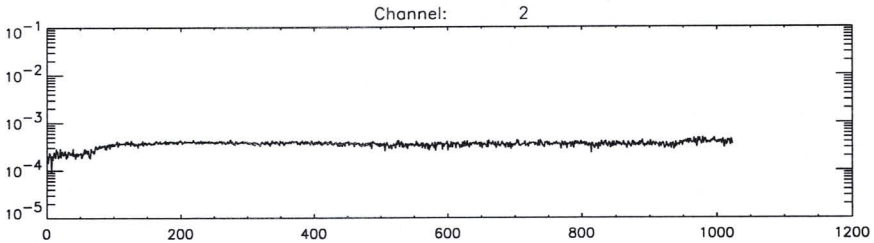
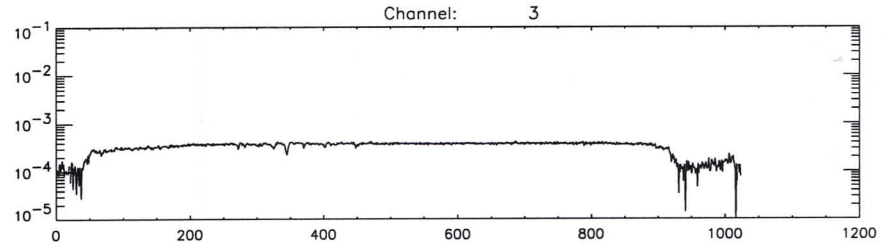
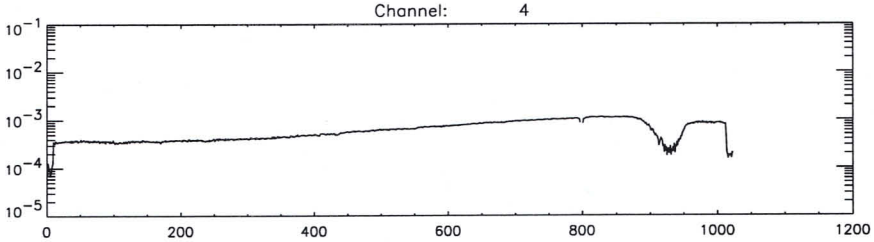
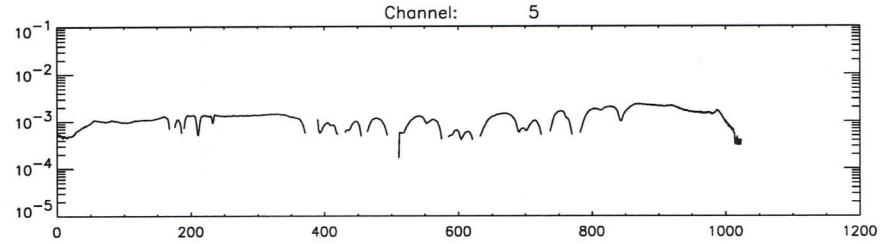
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

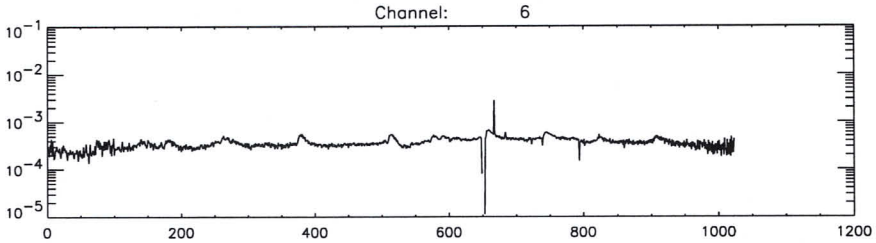

Channel: 1

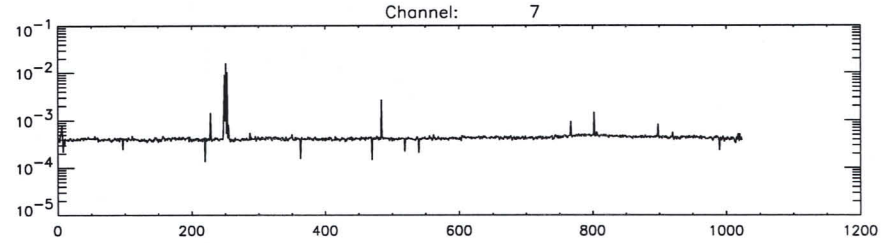

Channel: 2

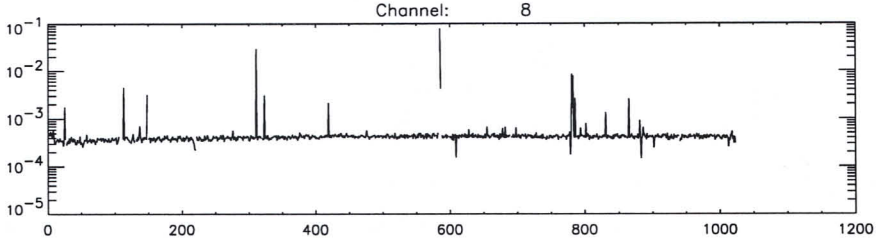

Channel: 3

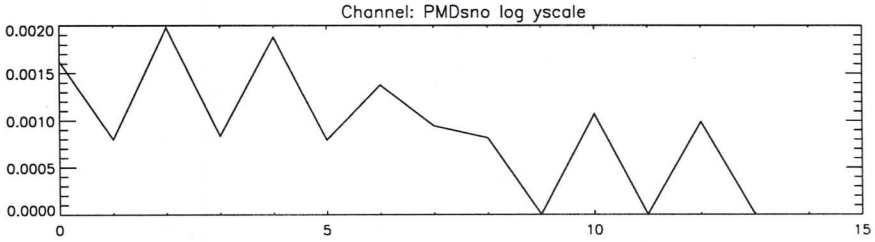

Channel: 4

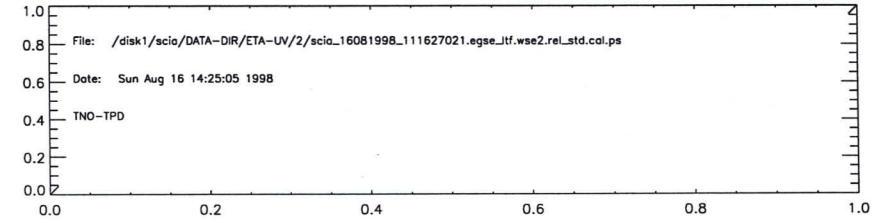

Channel: 5

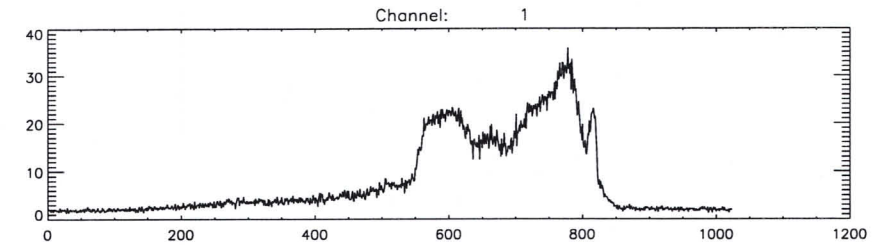

Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.rel_std.cal.ps
Date: Sun Aug 16 14:25:05 1998
TNO-TPD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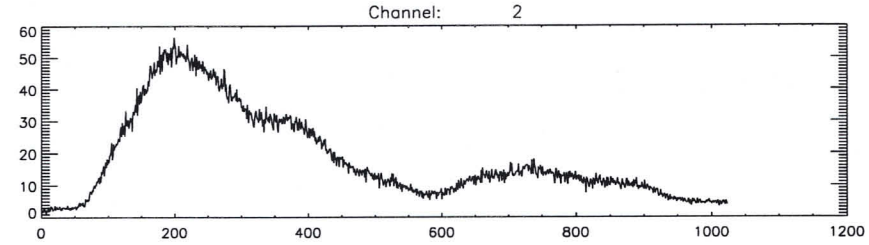
Channel: 2
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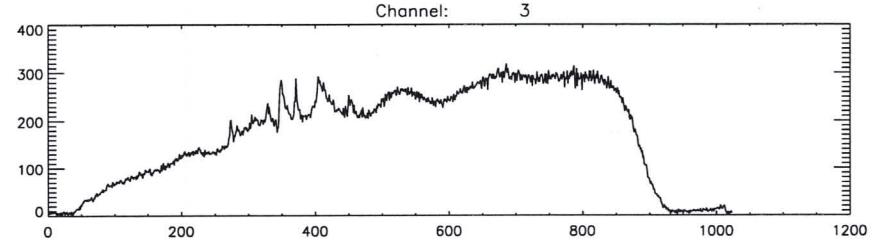
0 200 400 600 800 1000 1200


Channel: 3
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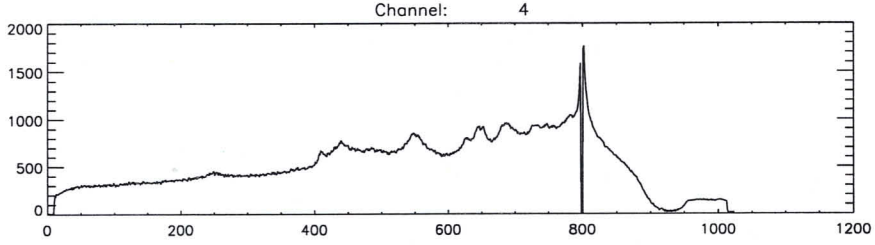
0 200 400 600 800 1000 1200


Channel: 4
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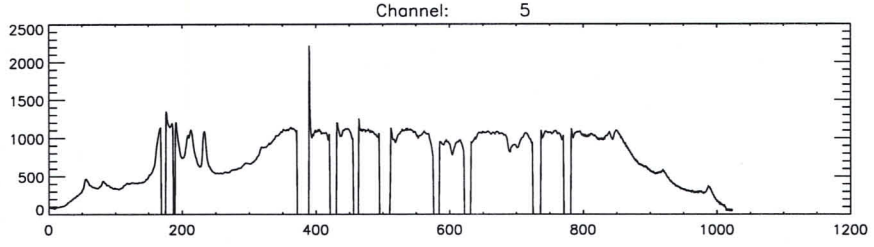
Channel: 5
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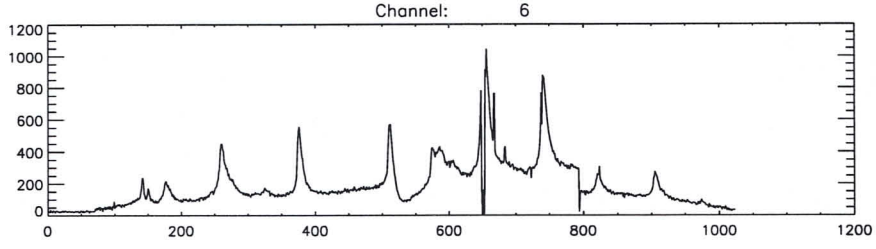
Channel: 6
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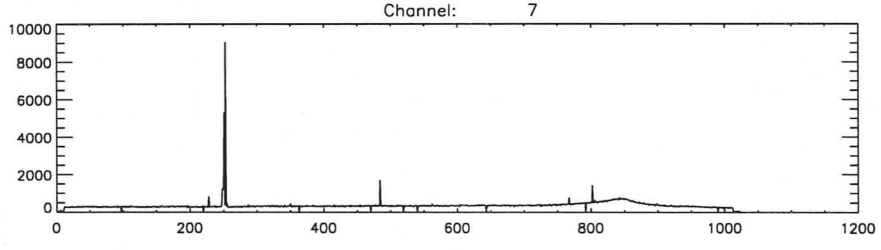
Channel: 7
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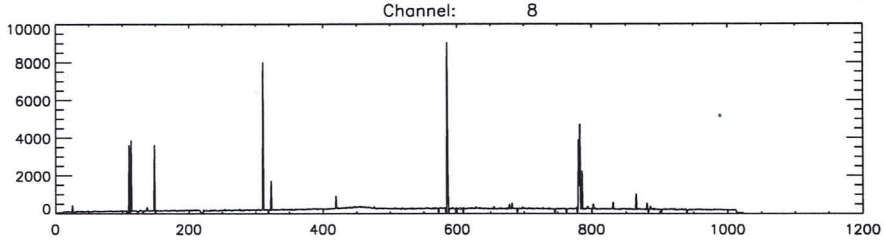
Channel: 8
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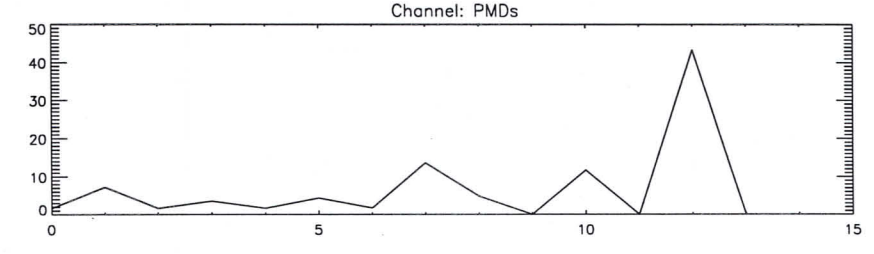
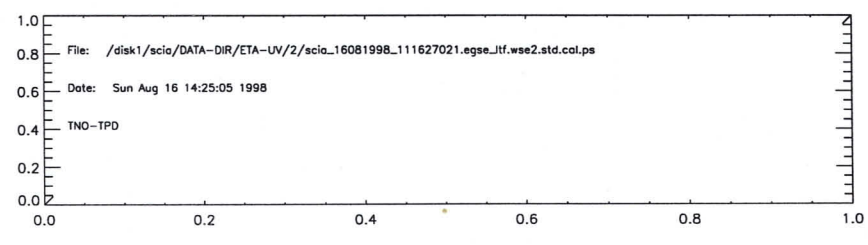
0 200 400 600 800 1000 1200


Channel: PMDs
0 10 20 30 40 50
0 5 10 15


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.std.cal.ps
Date: Sun Aug 16 14:25:05 1998
TNO-TPD
0.0 0.2 0.4 0.6 0.8 1.0
0.0 0.2 0.4 0.6 0.8 1.0

```
time       = Sun Aug 16 14:23:16 1998
batch      = du1
Start TOD = Sun 16-Aug-98 11:16:27
End   TOD = Sun 16-Aug-98 11:20:10
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:25:26 1998
batch      = du2
Start TOD = Sun 16-Aug-98 11:42:22
End   TOD = Sun 16-Aug-98 11:44:59
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:36 1998
batch      = wpa1
Start TOD = Sun 16-Aug-98 11:22:02
End   TOD = Sun 16-Aug-98 11:23:53
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:56 1998
batch      = wpa2
Start TOD = Sun 16-Aug-98 11:25:45
End   TOD = Sun 16-Aug-98 11:27:38
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:15 1998
batch      = wpc1
Start TOD = Sun 16-Aug-98 11:29:30
End   TOD = Sun 16-Aug-98 11:31:21
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:35 1998
batch      = wpc2
Start TOD = Sun 16-Aug-98 11:33:13
End   TOD = Sun 16-Aug-98 11:35:08
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:24:55 1998
batch      = wpe1
Start TOD = Sun 16-Aug-98 11:36:57
End   TOD = Sun 16-Aug-98 11:38:49
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:25:16 1998
batch      = wpe2
Start TOD = Sun 16-Aug-98 11:40:41
End   TOD = Sun 16-Aug-98 11:42:22
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Sun Aug 16 14:23:26 1998
batch      = wsa1
Start TOD = Sun 16-Aug-98 11:20:10
End   TOD = Sun 16-Aug-98 11:22:02
Processing= computation of average, standard dev. and rel.standard dev.
```

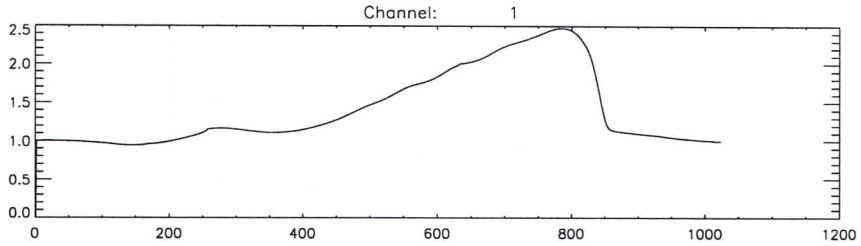
```
time       = Sun Aug 16 14:23:46 1998
batch      = wsa2
Start TOD = Sun 16-Aug-98 11:23:53
End   TOD = Sun 16-Aug-98 11:25:45
Processing= computation of average, standard dev. and rel.standard dev.
```

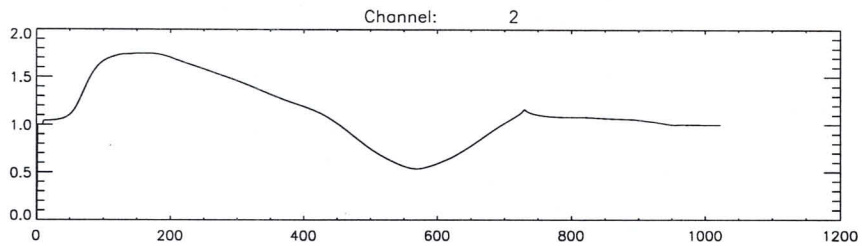
```
time       = Sun Aug 16 14:24:05 1998
batch      = wsc1
Start TOD = Sun 16-Aug-98 11:27:38
End   TOD = Sun 16-Aug-98 11:29:30
Processing= computation of average, standard dev. and rel.standard dev.
```

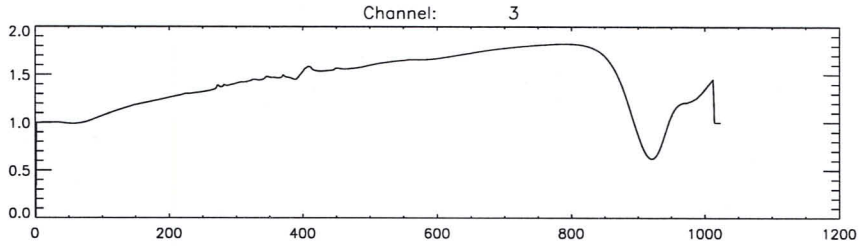
```
time       = Sun Aug 16 14:24:25 1998
batch      = wsc2
Start TOD = Sun 16-Aug-98 11:31:21
End   TOD = Sun 16-Aug-98 11:33:13
Processing= computation of average, standard dev. and rel.standard dev.
```

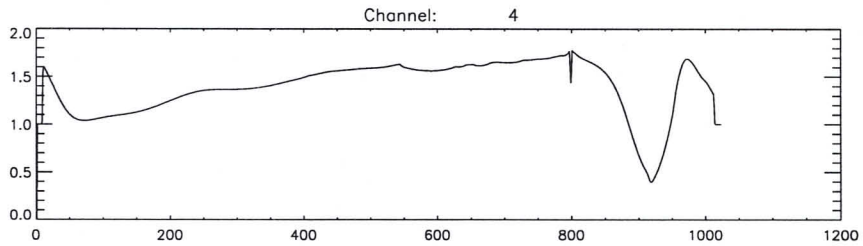
```
time       = Sun Aug 16 14:24:45 1998
batch      = wse1
Start TOD = Sun 16-Aug-98 11:35:08
End   TOD = Sun 16-Aug-98 11:36:57
Processing= computation of average, standard dev. and rel.standard dev.
```

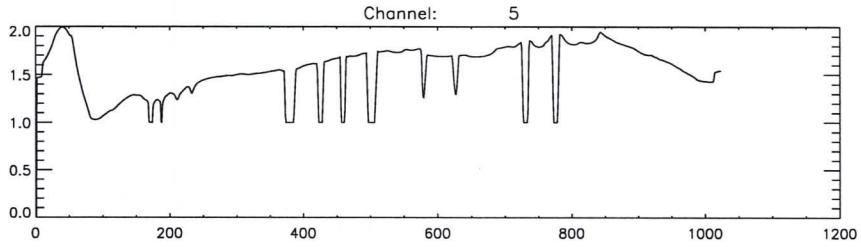
```
time       = Sun Aug 16 14:25:05 1998
batch      = wse2
Start TOD = Sun 16-Aug-98 11:38:49
End   TOD = Sun 16-Aug-98 11:40:41
Processing= computation of average, standard dev. and rel.standard dev.
```

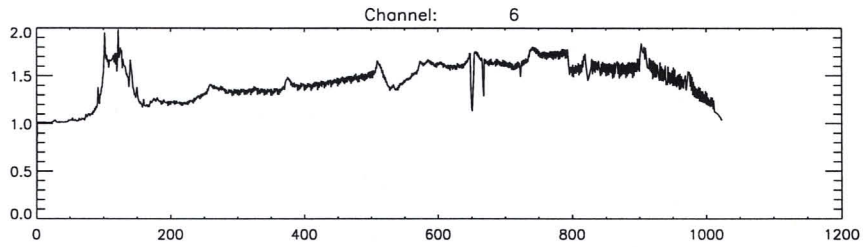

Channel: 1

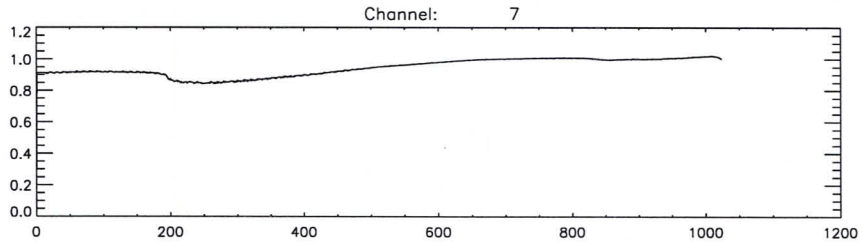

Channel: 2

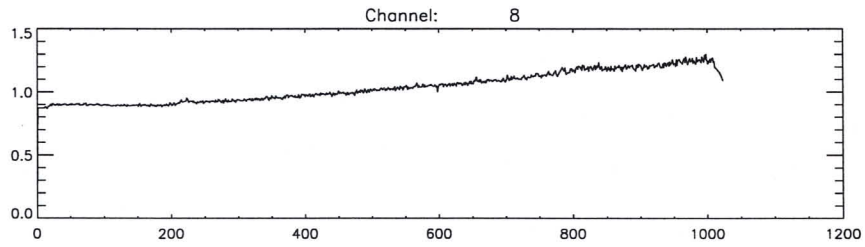

Channel: 3

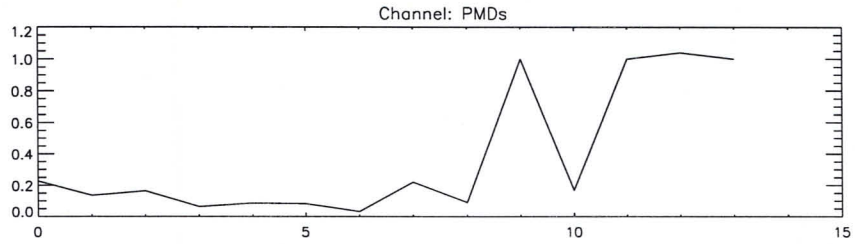

Channel: 4

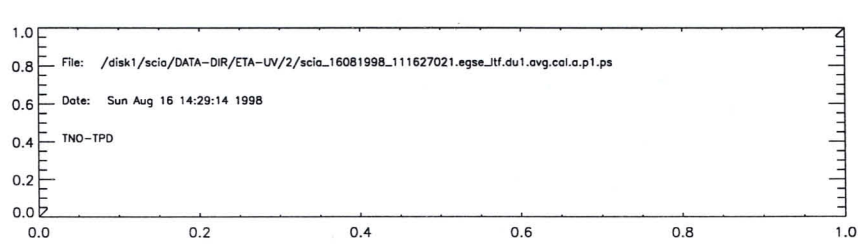

Channel: 5

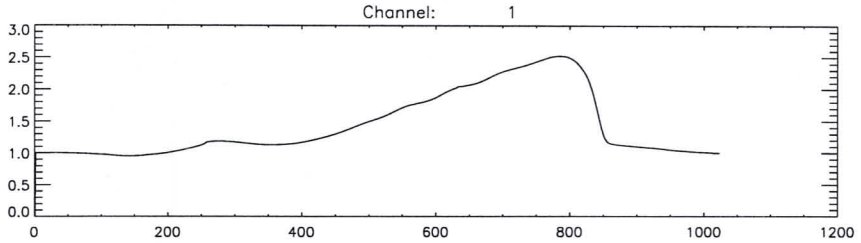

Channel: 6

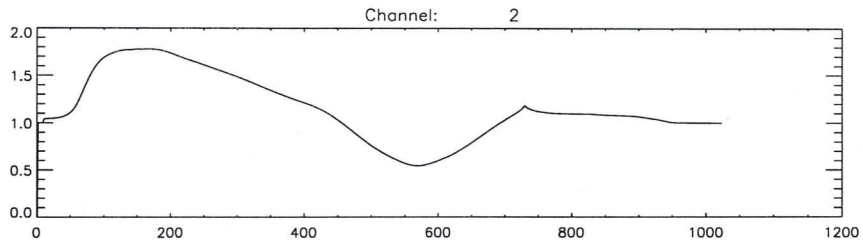

Channel: 7

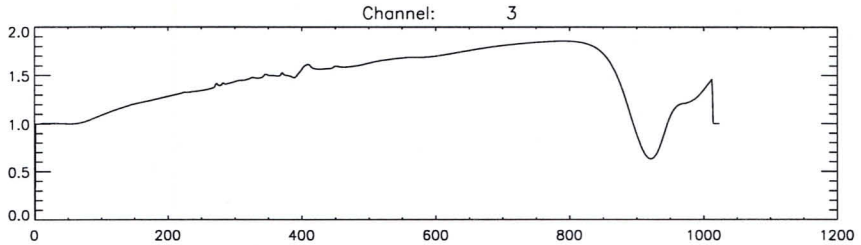

Channel: 8

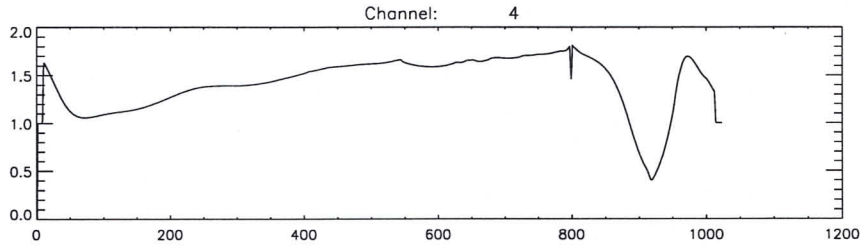

Channel: PMDs

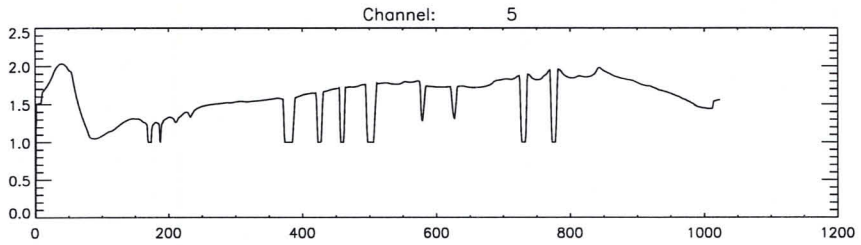

File: /disk1/scio/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.a.p1.ps
Date: Sun Aug 16 14:29:14 1998
TNO-TPD

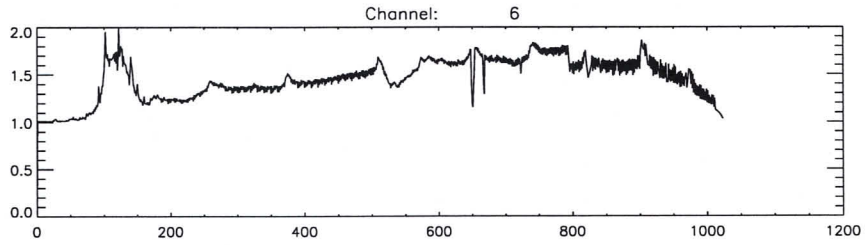

Channel: 1

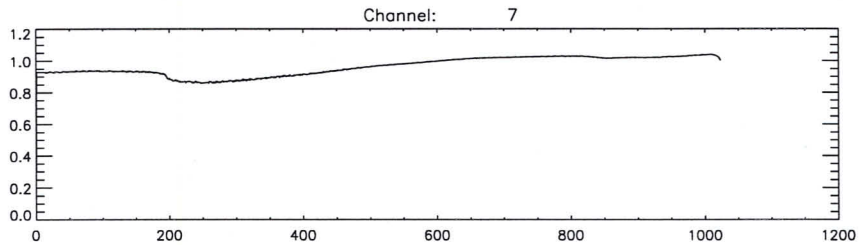

Channel: 2

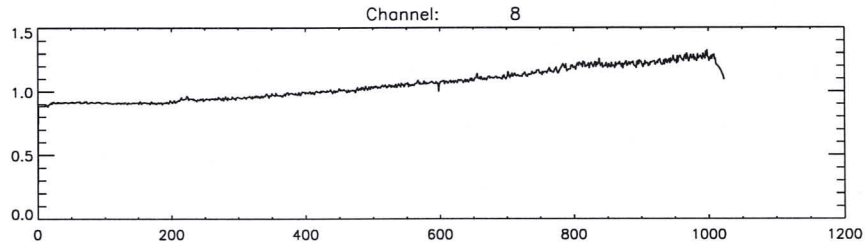

Channel: 3

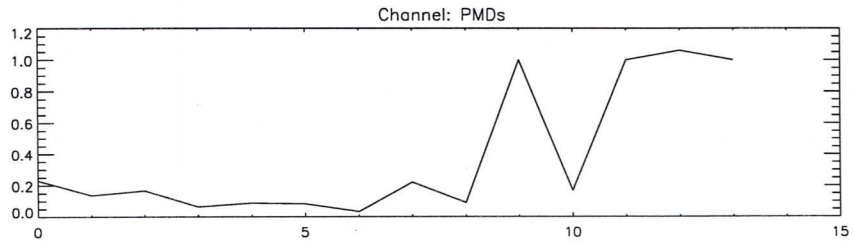

Channel: 4

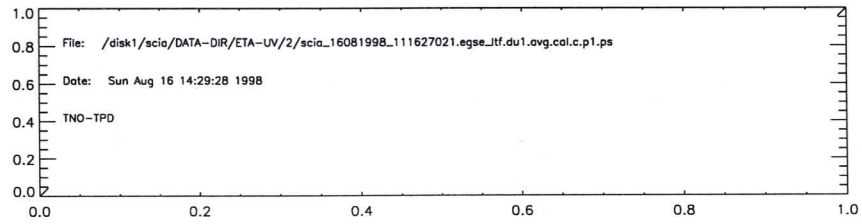

Channel: 5

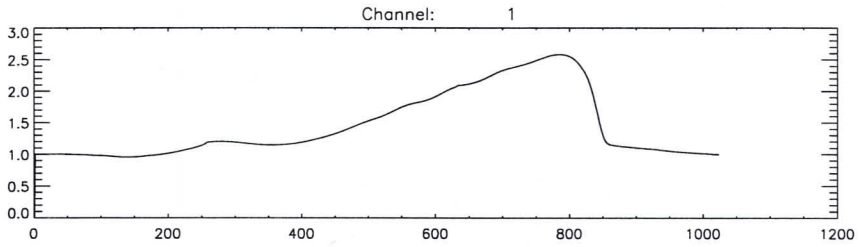

Channel: 6

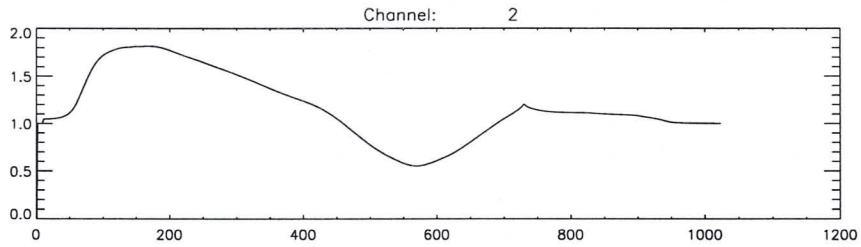

Channel: 7

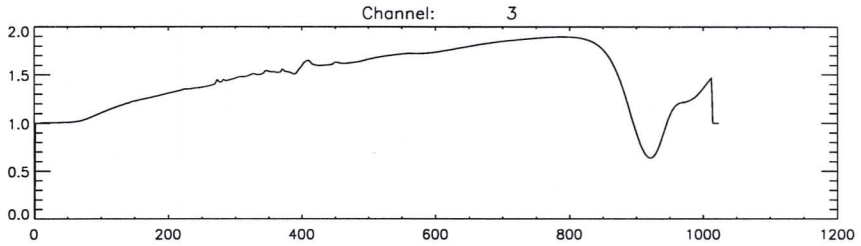

Channel: 8

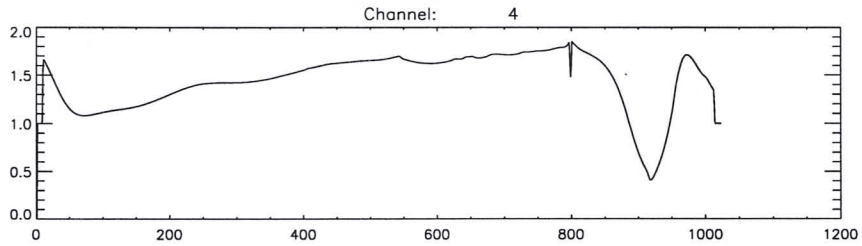

Channel: PMDs

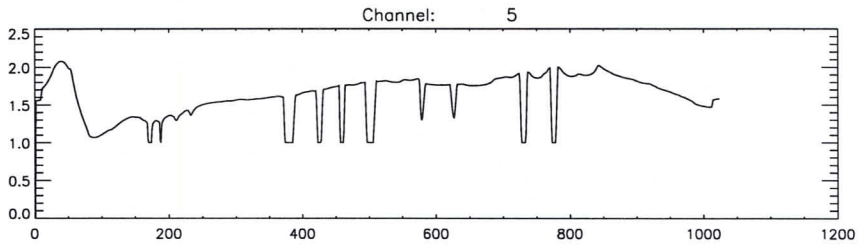

File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.c.p1.ps
Date: Sun Aug 16 14:29:28 1998
TNO-TPD

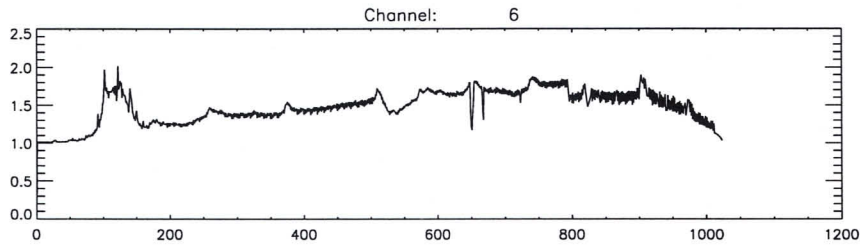

Channel: 1

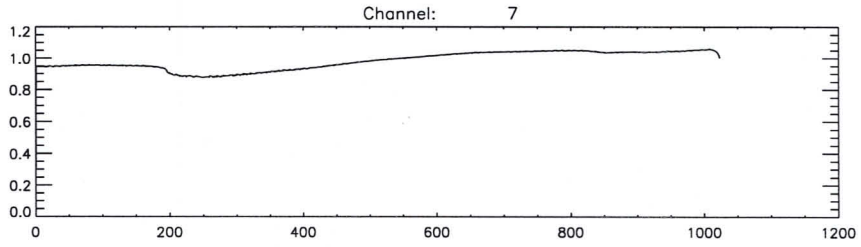

Channel: 2

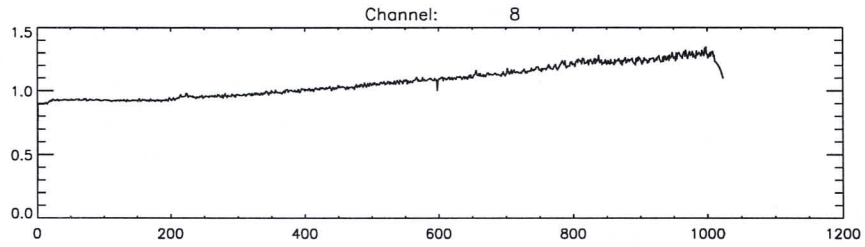

Channel: 3

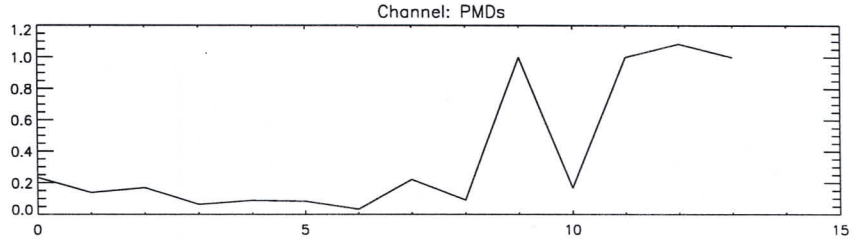

Channel: 4

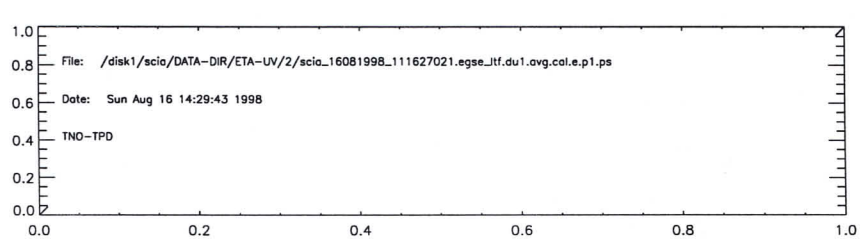

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.e.p1.ps
Date: Sun Aug 16 14:29:43 1998
TNO-TPD

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsa2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.a.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wsc2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:28 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.c.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wpe2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.wse2.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Sun Aug 16 14:29:42 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/2/scia_16081998_111627021.egse_ltf.du1.avg.cal.e.p
```

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
16-8-1998	EGSE nog steeds bezet om 10.00 wordt weer een DAPB board gewisseld. Nu lijkt alles weer te werken.	Marcel Dobber
	We weren 2 korte η metingen uit (minder repetities)	
	eta_IR	
	eta_uvvis	
	Beiden lijken OK, analyse gecompleteerd	
	Nu weer een lange η-uvvis meting, die is tot nu toe nog niet goed gegaan. Deze gaat ongeveer 8 uur lopen.	
	12.00 UTC gestart / gestopt ik at gedacht	
16-8-1998	ETA-IR gestart op ~~[illegible]~~ 14.00 UTC	
	Gecrasched? 10.20h UTC Dus ~4.20h gelopen.	
	Opnieuw maar nu rep. factor 4 ipv 10 goat ten koste van. signaal/ruis maar probeer = acceptabel? (volgens Marcel + Erik.)	
	Probeer in ieder geval deze Eta-IR oftemaken hiervan Δt van ~24h zodat deze tijd in ieder geval nuttig gebruikt kan worden.	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	16/08	Start kortene 4108 = ETA - IR. om. 19:20 UTC	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
16-08-00	ETA-UV 1 and 2 repetions 10 x and 2 x	
22:30 UTC	For the following files are compared.	
	dui.avg.cal.a.pi.cal	
	dui.avg.cal.c.pi.cal	
	dui.avg.cal.e.pi.cal	
	the results of the ratio's are due shortest wavelengths (lowest signals) do have spikes up to 0,3 %	

set 1 => REP=10
set 2 => REP= 2

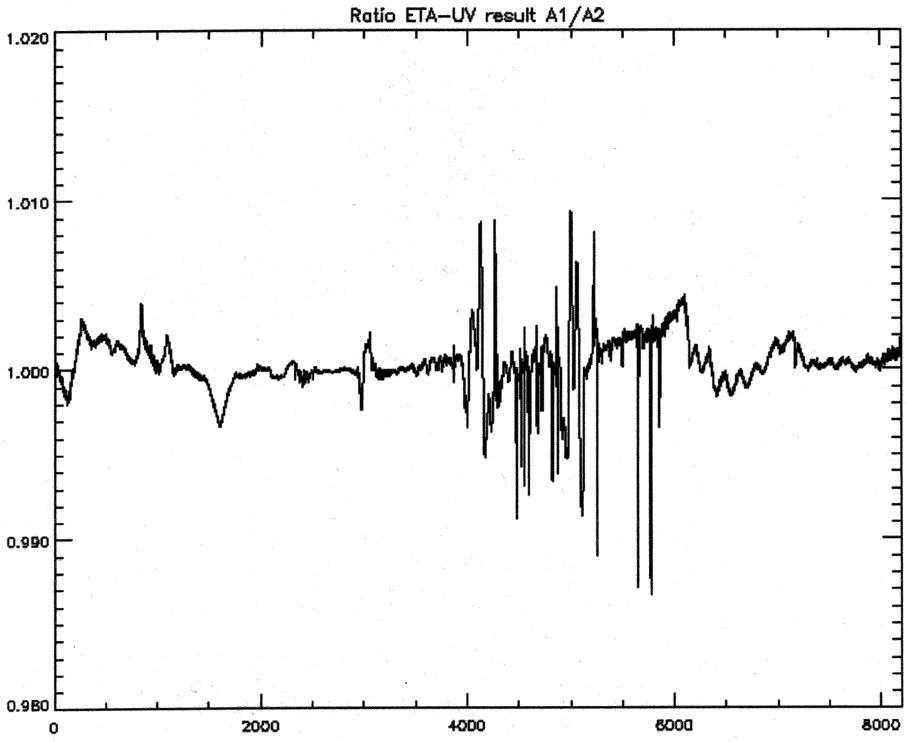
Marion3.pro

```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Sun Aug 16 23:23:20 1998
; by Marion Stoppelenburg
; compare the results of two ETA-UV measurements.

.compile cal_func
.compile cal_file_func

print
print, "select ETA-UV/1/.....du1.avg.cal.a.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-UV/1/.....du1.avg.cal.c.p1.cal"
print
record2= read_single_cal()

print
print, "select ETA-UV/1/.....du1.avg.cal.e.p1.cal"
print
record3= read_single_cal()

a1=fltarr(1024,8)
c1=fltarr(1024,8)
e1=fltarr(1024,8)

for i=0,7 do a1 (*,i)= record1.dm(i).data
for i=0,7 do c1 (*,i)= record2.dm(i).data
for i=0,7 do e1 (*,i)= record3.dm(i).data

print
print, "select ETA-UV/2/.....du1.avg.cal.a.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-UV/2/.....du1.avg.cal.c.p1.cal"
print
record2= read_single_cal()

print
print, "select ETA-UV/2/.....du1.avg.cal.e.p1.cal"
print
record3= read_single_cal()

a2=fltarr(1024,8)
c2=fltarr(1024,8)
e2=fltarr(1024,8)

for i=0,7 do a2 (*,i)= record1.dm(i).data
for i=0,7 do c2 (*,i)= record2.dm(i).data
for i=0,7 do e2 (*,i)= record3.dm(i).data

b1=where(a1 lt 0.01)
b2=where(c1 lt 0.01)
b3=where(e1 lt 0.01)
a1(b1)=1.0
c1(b2)=1.0
e1(b3)=1.0

b1=where(a2 lt 0.01)
```

```
b2=where(c2 lt 0.01)
b3=where(e2 lt 0.01)
a2(b1)=1.0
c2(b2)=1.0
e2(b3)=1.0

a0 = a1/a2
e0 = e1/e2
c0 = c1/c2
window, 0
plot, a0, yrange=[0.98,1.02], title="Ratio ETA-UV result A1/A2"
window, 1
plot, c0, yrange=[0.98,1.02], title="Ratio ETA-UV result C1/C2"
window, 2
plot, e0, yrange=[0.98,1.02], title="Ratio ETA-UV result E1/E2"
```

ppc = 0°

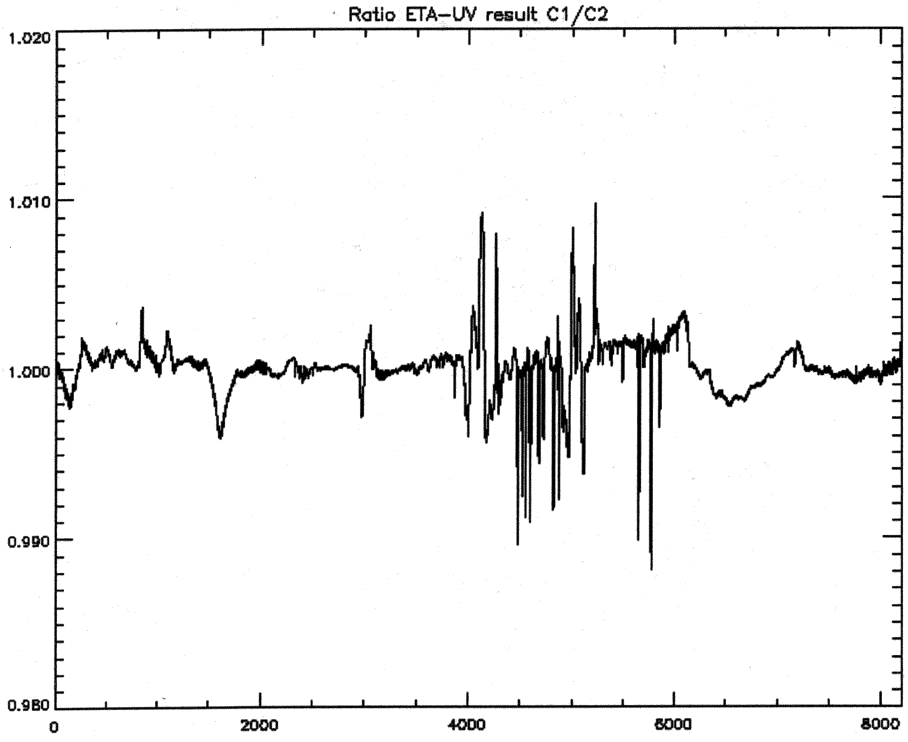
cH ?


Ratio ETA–UV result A1/A2
1.020
1.010
1.000
0.990
0.980
0
2000
4000
6000
8000

ppc = 12,50

c) ≤ 360

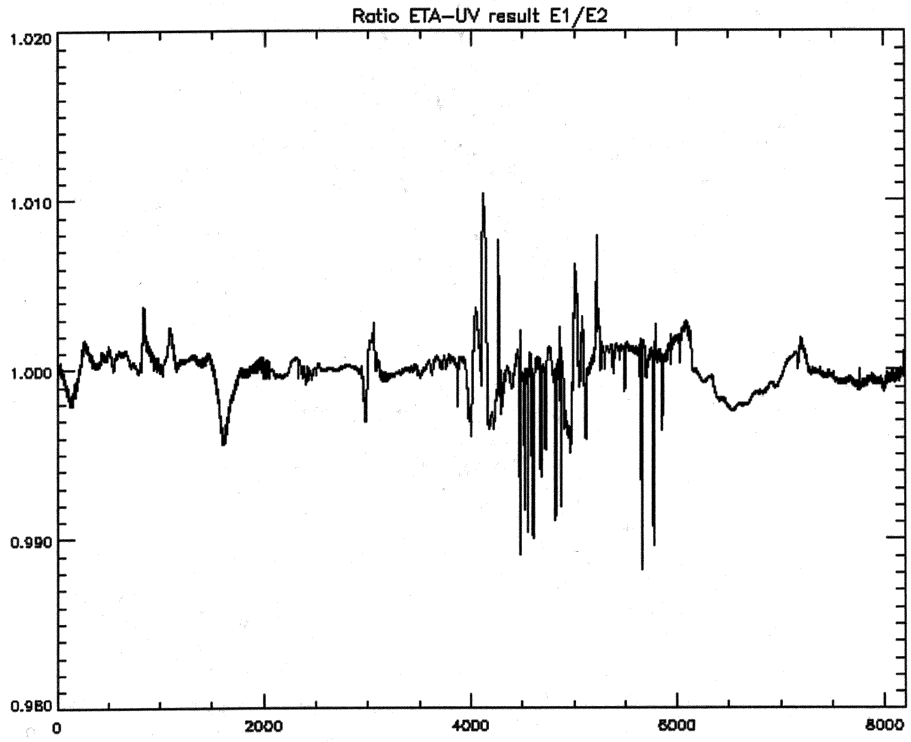
cH 1,2



ppc = 18,3°

400 ≤ i) ≤ 1000

cH 3, 4, 5



Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
16-8	ETA-IR 4 Rep	
17:24 UTC	light signals seems oke	
	dark " " "	
	pol std oke	
	Some "strange" differences between S and P :	
	- peak at start of ch 5 decreased with S	
	- dip with S halfway ch5	
	- reduced etalon with S in ch 2	
	- small dip with P at pix 400 in ch 3	
	- strange noise with S in channels 3,4	
	eta seems identical to previous msm	
	Extra analysis of rep-number using @Marion7.pro	

Formal Run of Measurement

(Measurement ID) ETA_IR

Request for Actual Status	X	(cross out entries that are **not** requested.)
Request for Modification	X	(fill in only entries to be modified)
Request for Run	X	(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	−45	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	13									
Repetitions	5									

State Parameters for States used in Timeline (State ID must be given)

Channel	RET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding	PET [s] or H#	Co-Adding
1a	0,5	1						
1b	0,5	1						
2b	1,0	4						
2a	1,0	4						
3	0,5	8						
4	0,25	16						
5	0,25	16						
6	0,125	64						
7	0,0625	64						
8	0,25	16						
State ID								

Step 12.3
Eta - IR
UIO 8
(decreased rep. factor)

Stimuli Settings for Existing Blocks in Measurement

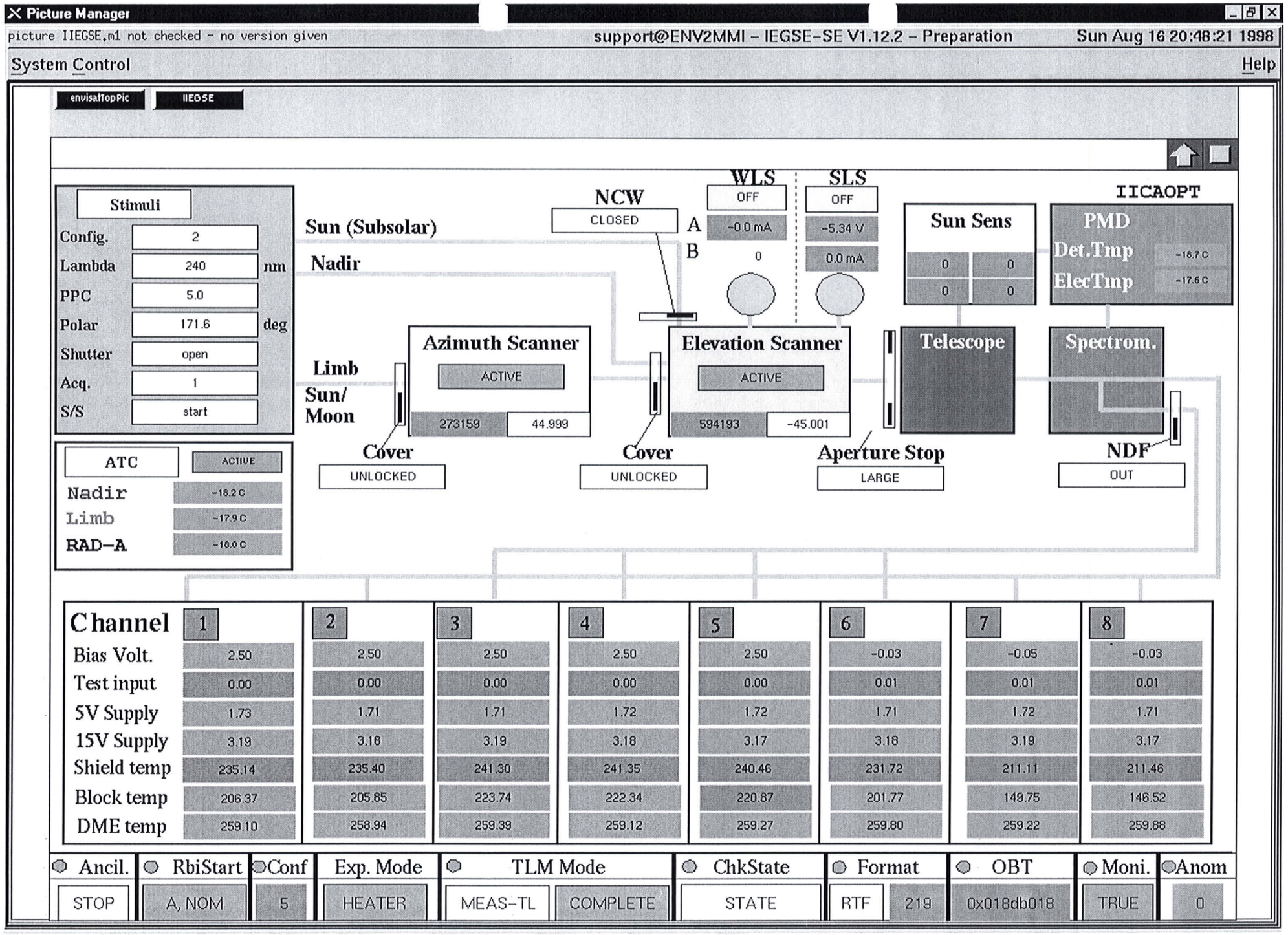
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2	15,0	171,6	close	1	240	240	0	4	DV1	12
2,1	2	15,0	171,6	open	1	240	240	0	4	WSd#	20
2,2	2	15,0	85,4	open	1	240	240	0	4	WPd#	20
3,1	2	5,0	171,6	open	1	240	240	0	4	WSb#	20
3,2	2	5,0	85,4	open	1	240	240	0	4	WPb#	20
4	2	5,0	171,6	close	1	240	240	0	4	DV2	8

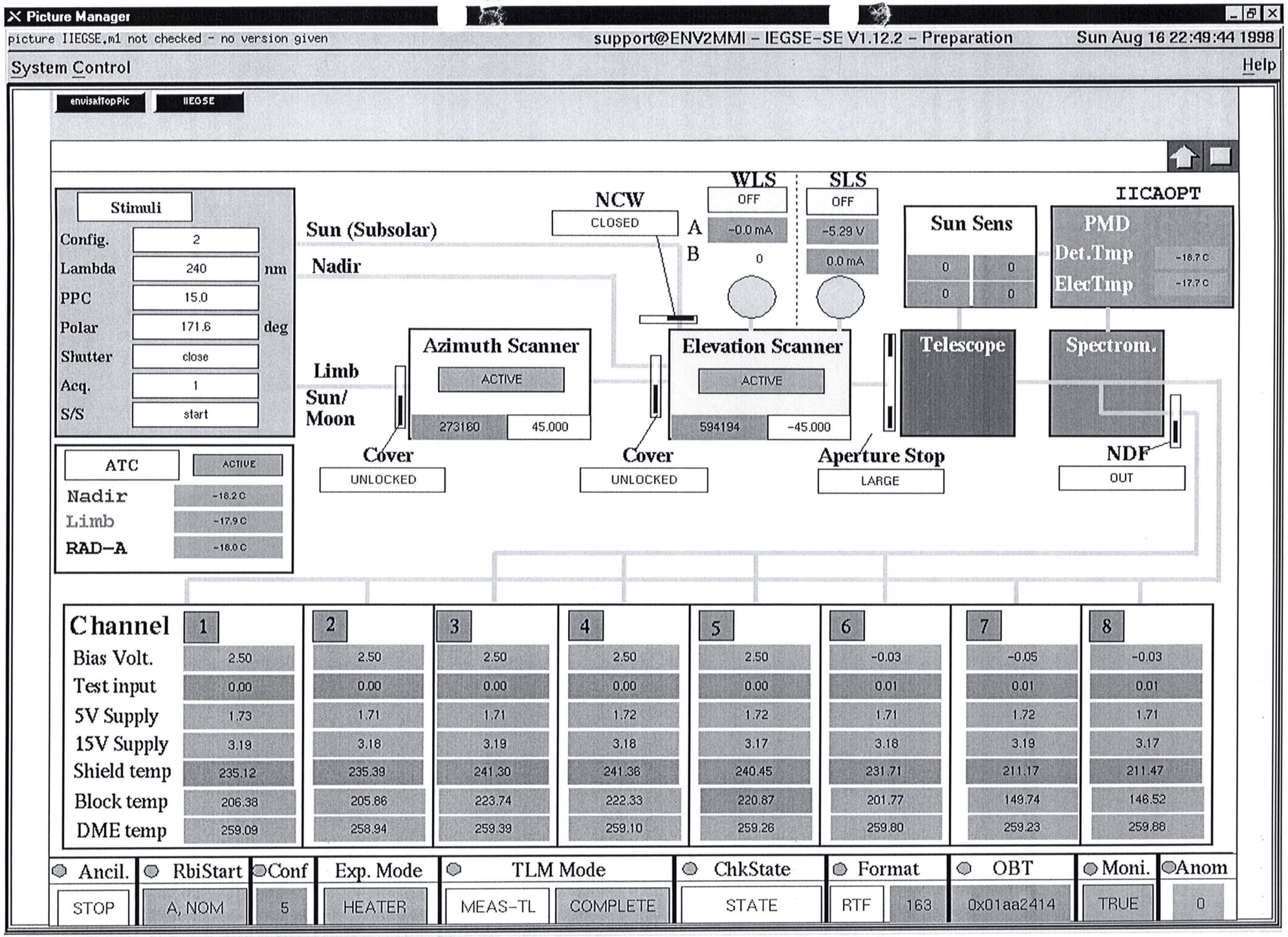
Measurement Data Description

Test Purpose	
Remark	UIO 8
Data Directory	0228_19.23.01_ETA_IR

Signatures

	Date	Signature
Issued	16-8-98	
< Performed	16-8-98	


Picture Manager
picture IIEGSE.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 16 20:48:21 1998
System Control
Help
envisatTopPic
IIEGSE
Stimuli
Config. 2
Lambda 240 nm
PPC 5.0
Polar 171.6 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.34 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594193 -45.001
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.14 235.40 241.30 241.35 240.46 231.72 211.11 211.46
Block temp 206.37 205.65 223.74 222.34 220.87 201.77 149.75 146.52
DME temp 259.10 258.94 259.39 259.12 259.27 259.80 259.22 259.88
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 219
OBT 0x018db018
Moni. TRUE
Anom 0


Picture Manager
picture IIEGSE.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sun Aug 16 22:49:44 1998
System Control
Help
envisatfopPic
IIEGSE
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 171.6 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/ Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594194 -45.000
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
OUT
Channel 1 2 3 4 5 6 7 8
Bias Volt. 2.50 2.50 2.50 2.50 2.50 -0.03 -0.05 -0.03
Test input 0.00 0.00 0.00 0.00 0.00 0.01 0.01 0.01
5V Supply 1.73 1.71 1.71 1.72 1.72 1.71 1.72 1.71
15V Supply 3.19 3.18 3.19 3.18 3.17 3.18 3.19 3.17
Shield temp 235.12 235.39 241.30 241.36 240.45 231.71 211.17 211.47
Block temp 206.38 205.86 223.74 222.33 220.87 201.77 149.74 146.52
DME temp 259.09 258.94 259.39 259.10 259.26 259.80 259.23 259.88
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 163
OBT 0x01aa2414
Moni. TRUE
Anom 0

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 17-8-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-16081998	DIR: GEARING95/0228_19.23.01_ETA-IR (A)
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the directory you want your files in ftp <internet-address>, where you can find the address of the PC in the file `/etc/hosts` (entry: cdwpc). The address will also be next to you on paper (most probably). When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD. Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		In DATA-DIR window In DATA window Approx. 140 kB

Sign:	Name	Wendell Lynch
	Date and time	17-8-98
	Signature	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wadell Lynch 17-8-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_16081998-192610534.dat -195953658.dat -203328150.dat -210703885.dat -214026287.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/ETA-IR/ ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
	directory name is:
		3
		
		4
		(Y) / N
		~/DATA-DIR/ETA-IR/<C>
			Note: In window DATA-DIR
			(B)
			
			(C)
			
			(DIR-NAME)

Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`	#-192610534.egse_ltf	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file		(D)
	<D> should be <A>.egse_ltf	(Y) / N	
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal`		
	size:	9k	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal`		
	size:	9k	should be approx 150Kb
	P-pol file:		

`ls -l *.wp*.avg cal`

size: 77 — should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in `dremark1` labels
(b) Check if enough disk space is available (Unix command `df -k | more`).

Print postscript

Print postscript files:
`lpr -P<printer> *.ps`
Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / N

Contents P file `*wp*.avg.cal` should resemble white light source: Y / N

Contents S file `*ws*.avg.cal.ps` and `*wp*.avg.cal.ps` should resemble white light source: Y / N
Contents of `*rel_std.cal.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is: _____

Add postscript images to logbook, done Y / N

Print logfiles

`lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N

ETA processing

Run ETA

`idl do_eta` — In IDL window

Check ETA

`ls -l *.p1.* | more` — In DATA-DIR window

Size of file `<D>.du*.avg.cal.[b|d].p1.cal` 145.998 — should be approx 150Kb

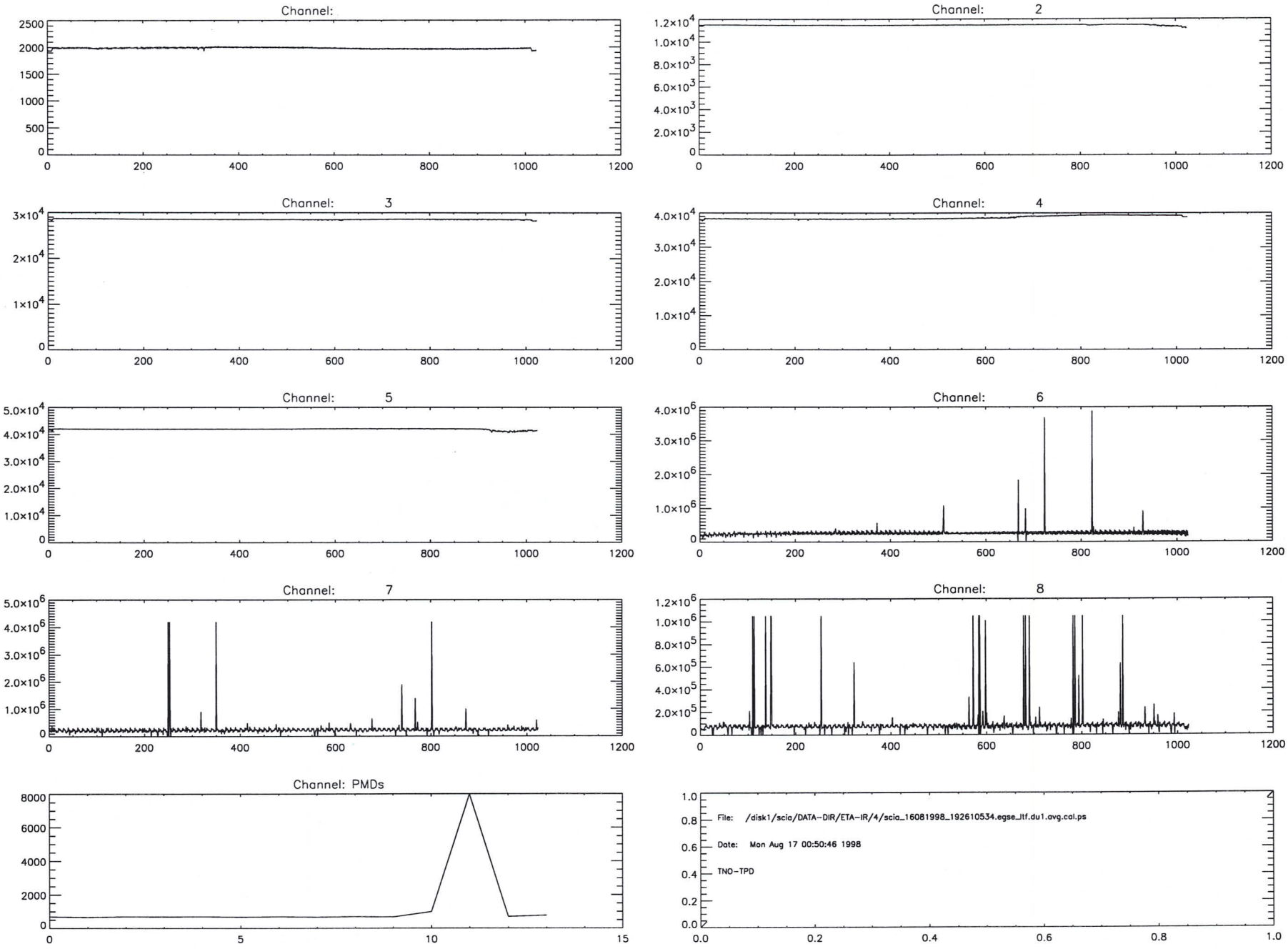
Size of file `<D>.du*.avg.cal.[b|d].p1.log` 1209

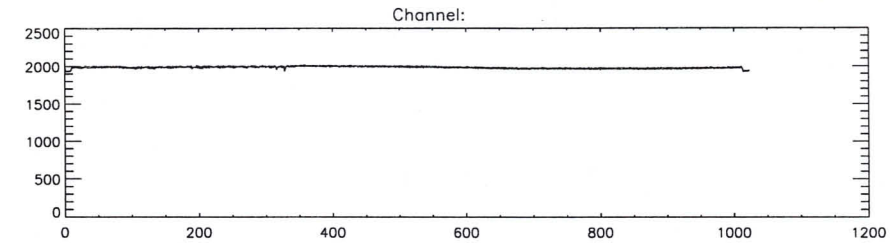
Check ETA visually	Size of file `<D>.du*.avg.cal.[b|d].p1.ps`	b: 138775 d: 139732
	`lpr -P<printer> <D>.*du.*.p1.cal.ps`	
	Value of ETA in each channel (pixel 300 -- 800) between 0 and 3? (In channels 5-8).	Y / N
	Value of ETA resembles expected ETA (see [Predicted PFM calibration results])?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> <D>.du*.p1.cal.log`	
	Add logfiles to logbook, done	(Y) / N

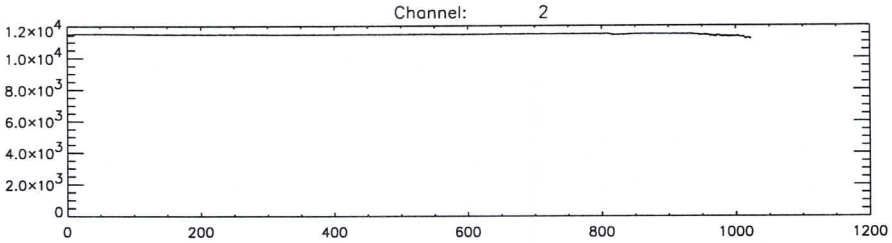
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	_____	See analysis sheet BackUp

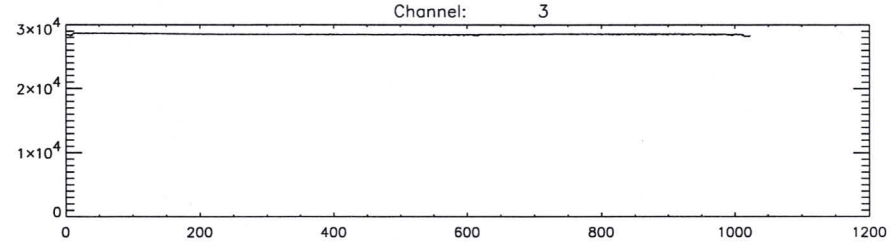
Sign:	Name	_____
	Date and time	_____
	Signature	_____

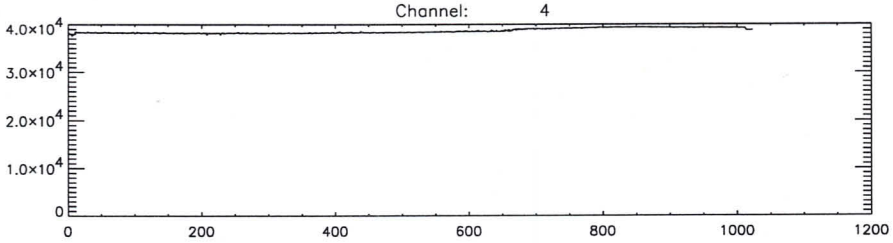
ALL
Signals

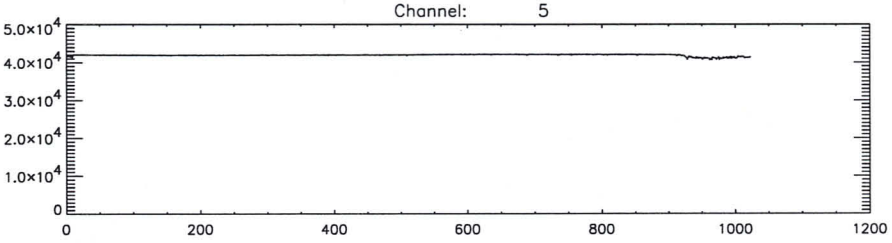

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.du1.avg.cal.ps
Date: Mon Aug 17 00:50:46 1998
TNO-TPD

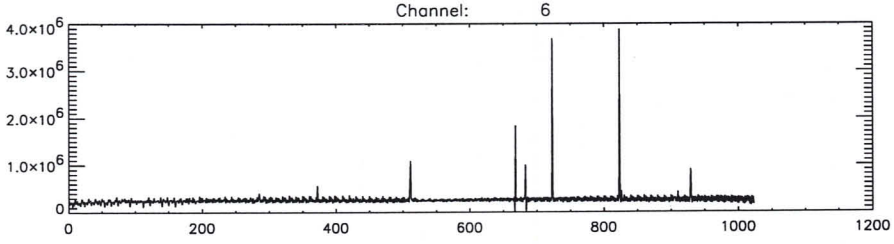

Channel:
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

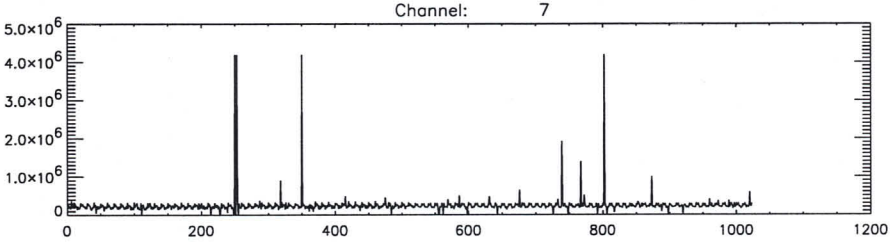

Channel: 2
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200

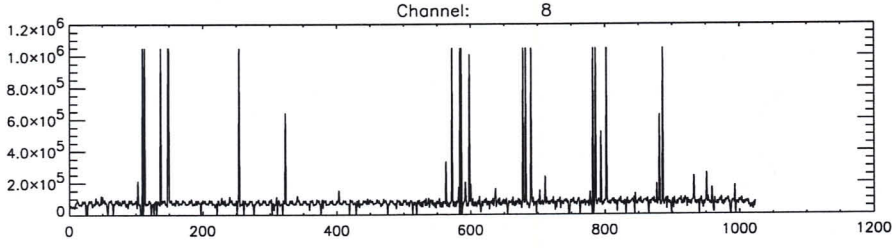

Channel: 3
3×10^4
2×10^4
1×10^4
0
0
200
400
600
800
1000
1200

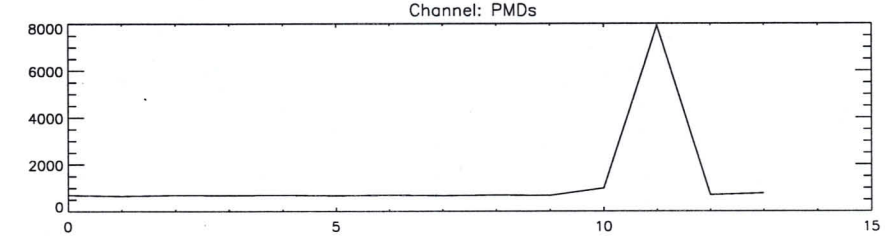

Channel: 4
4.0×10^4
3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
1000
1200

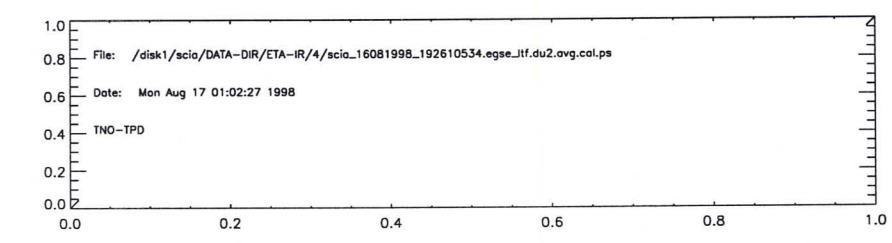

Channel: 5
5.0×10^4
4.0×10^4
3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
1000
1200

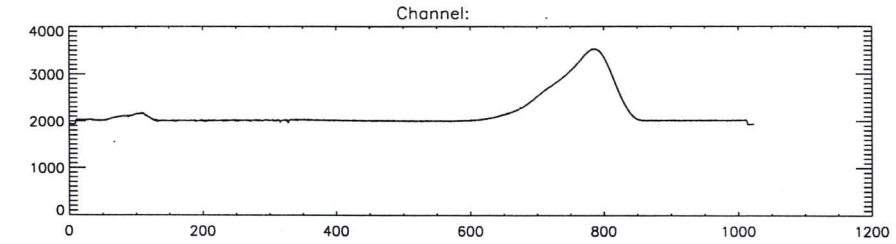

Channel: 6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

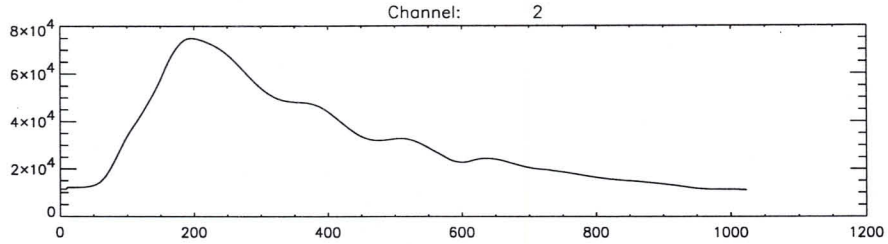

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

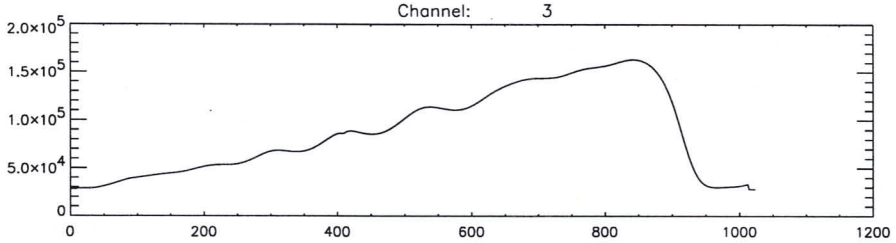

Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200

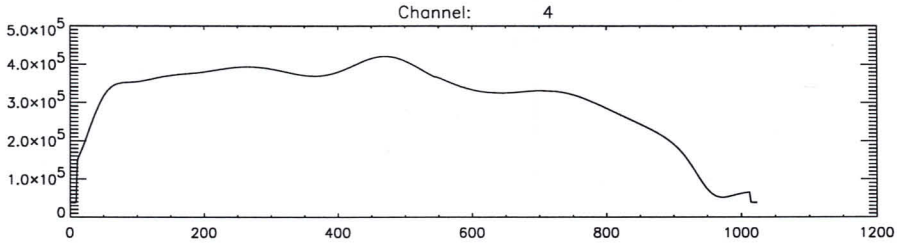

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

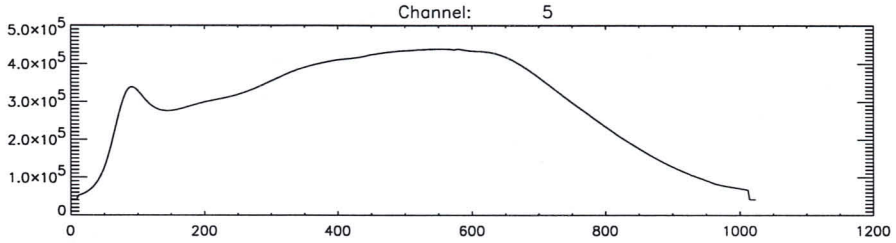

File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.du2.avg.cal.ps
Date: Mon Aug 17 01:02:27 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
8×10^4
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 4
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 5
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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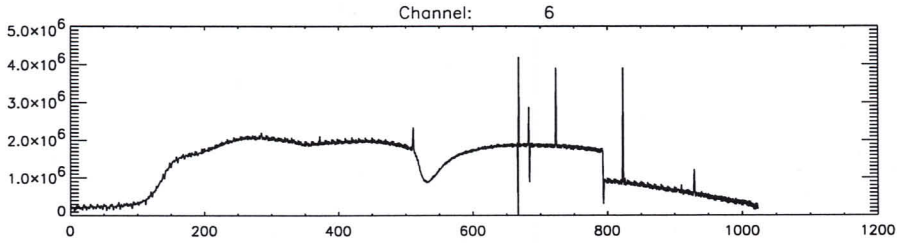
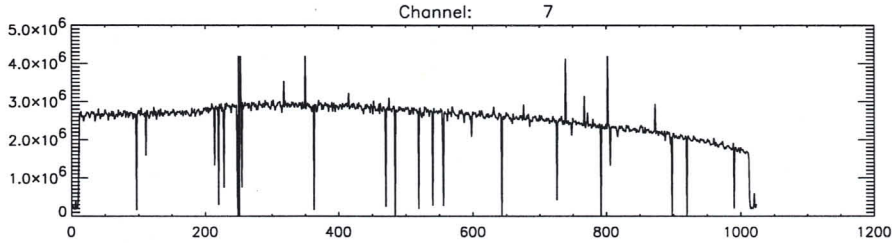
400
600
800
1000
1200


Channel: 6
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
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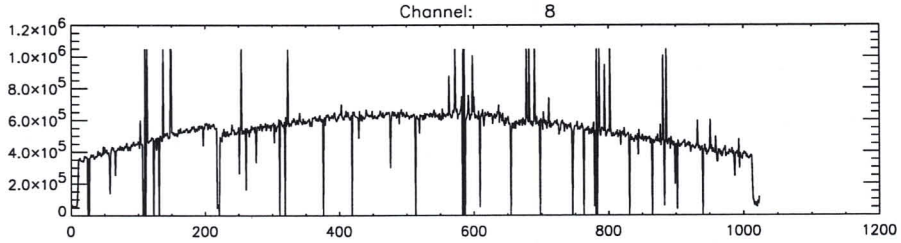
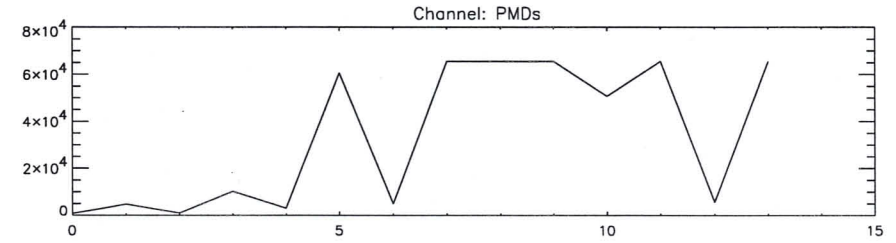
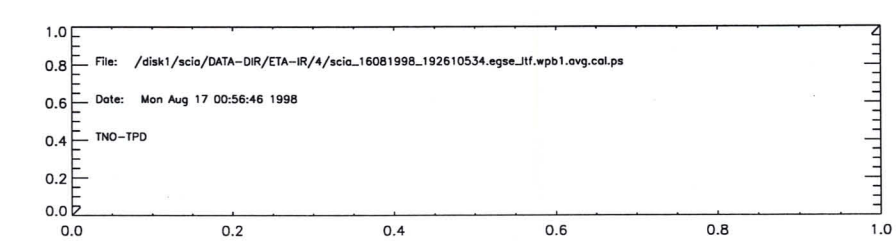
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb1.avg.cal.ps
Date: Mon Aug 17 00:56:46 1998
TNO-TPD
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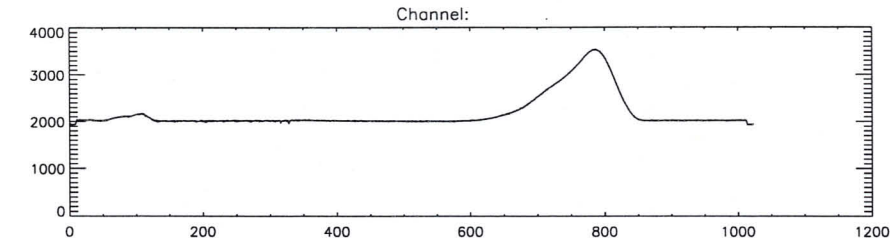
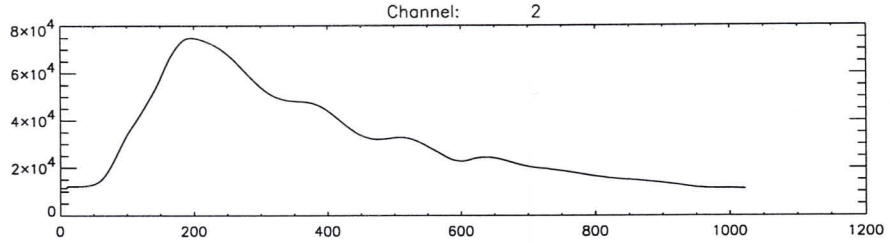
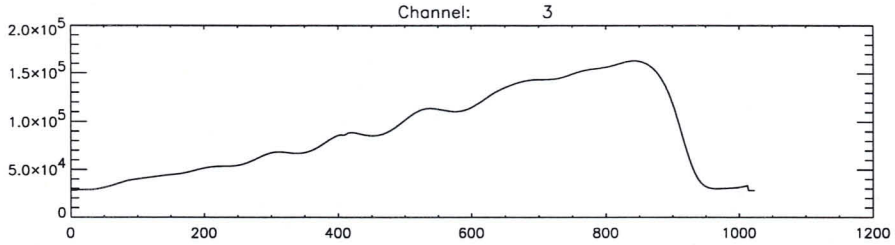
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
8×10^4
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
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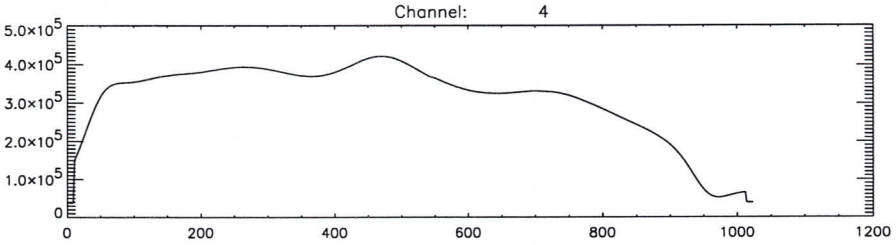
400
600
800
1000
1200


Channel: 4
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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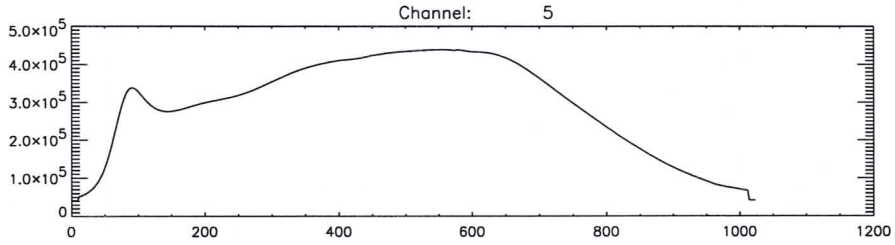
400
600
800
1000
1200


Channel: 5
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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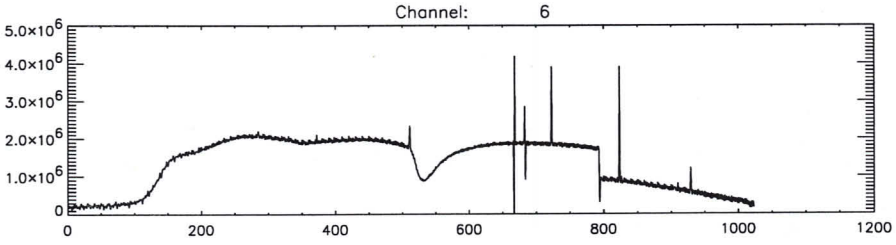
400
600
800
1000
1200


Channel: 6
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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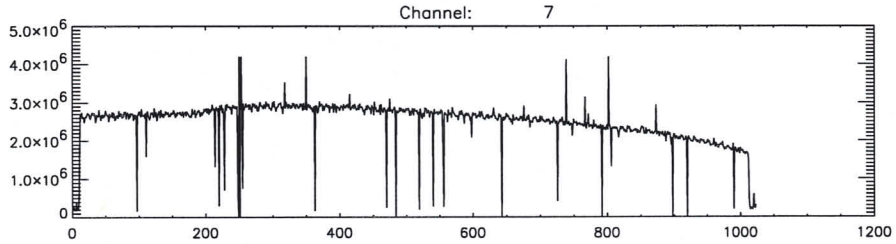
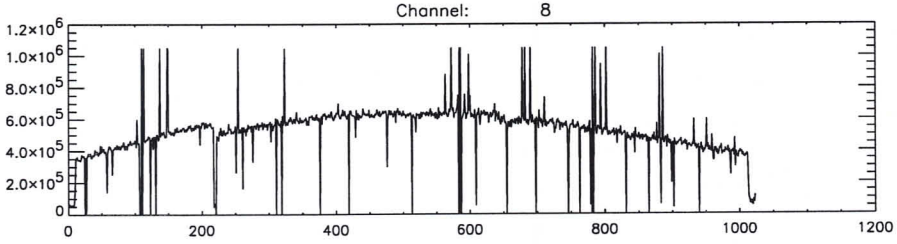
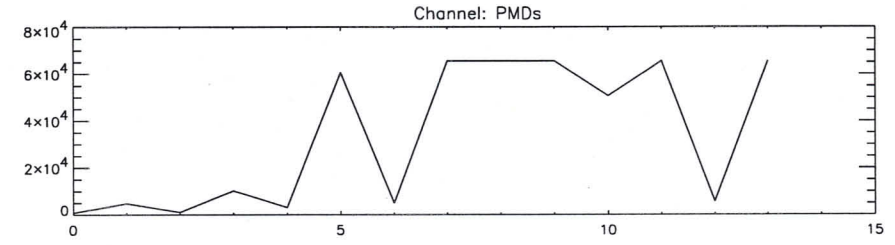
400
600
800
1000
1200


Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
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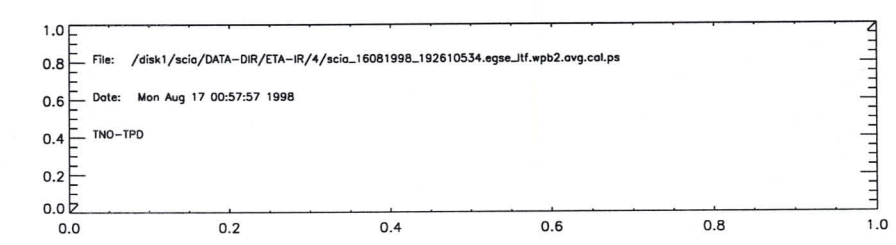
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpb2.avg.cal.ps
Date: Mon Aug 17 00:57:57 1998
TNO-TPD
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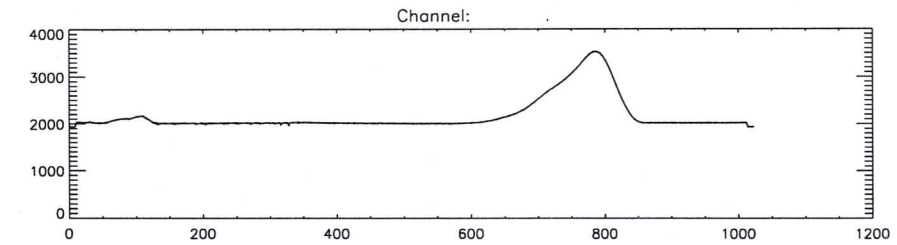
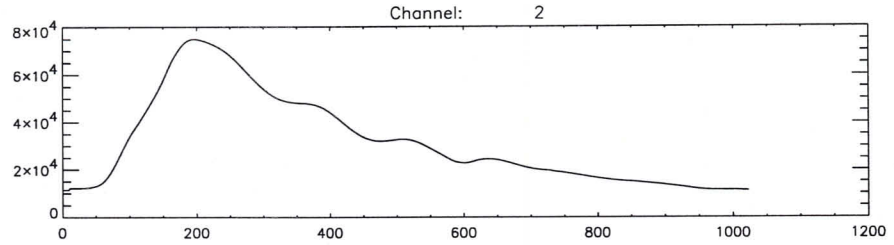
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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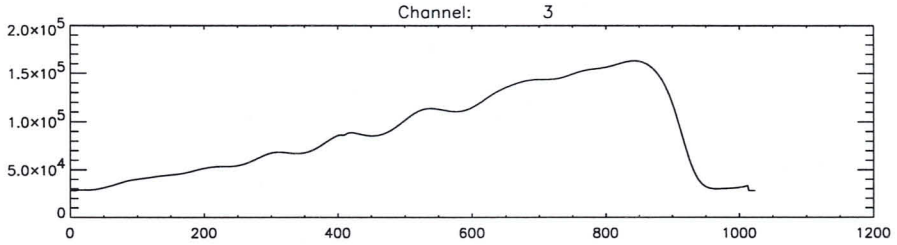
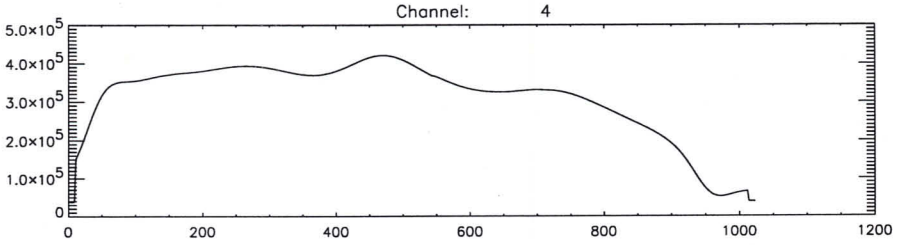
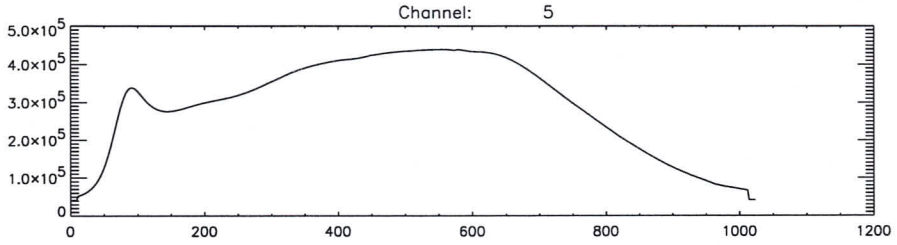
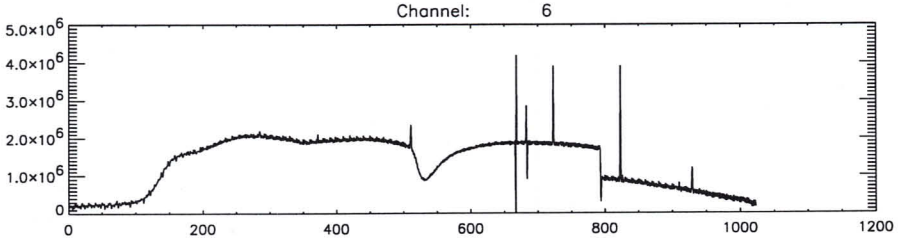
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 4
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 5
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 6
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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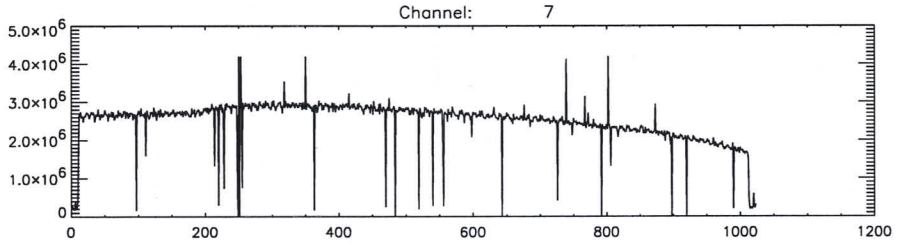
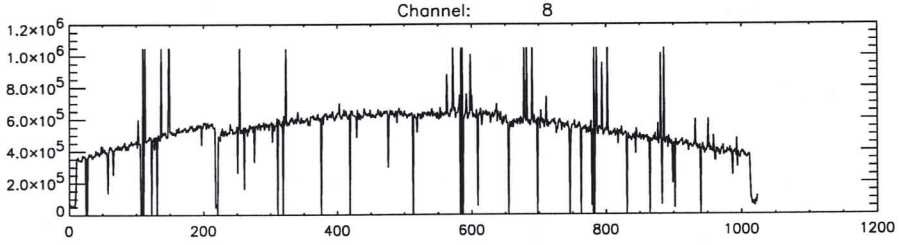
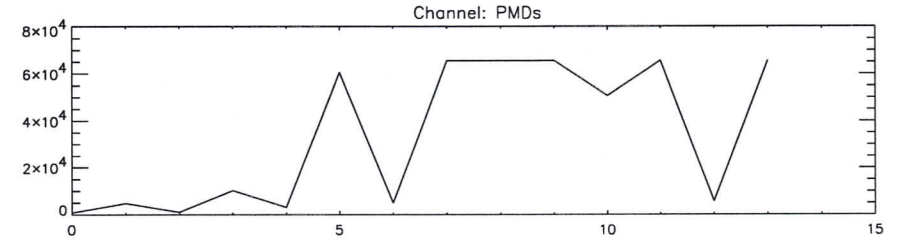
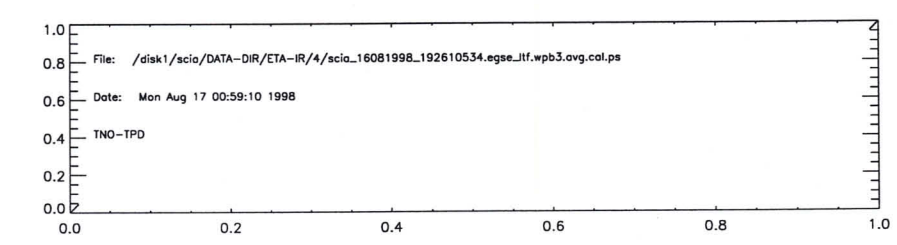
400
600
800
1000
1200


Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb3.avg.cal.ps
Date: Mon Aug 17 00:59:10 1998
TNO-TPD
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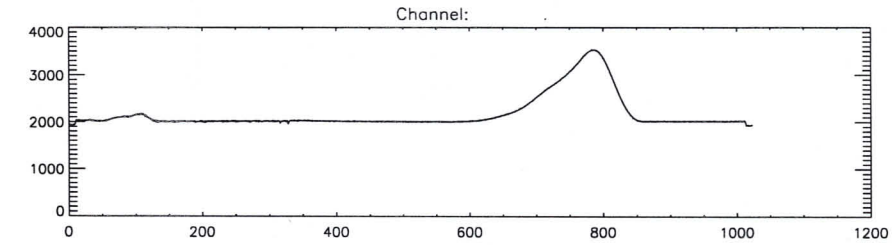
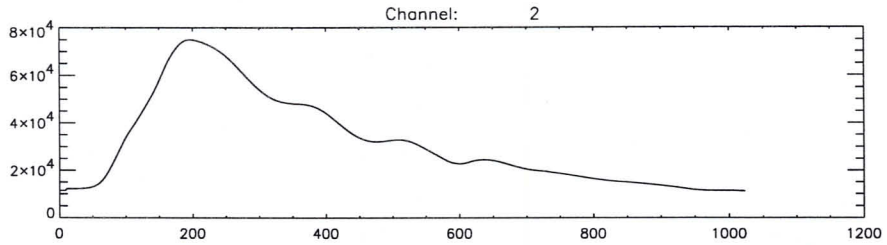
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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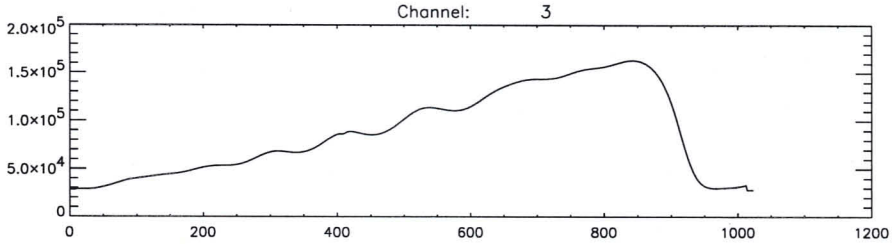
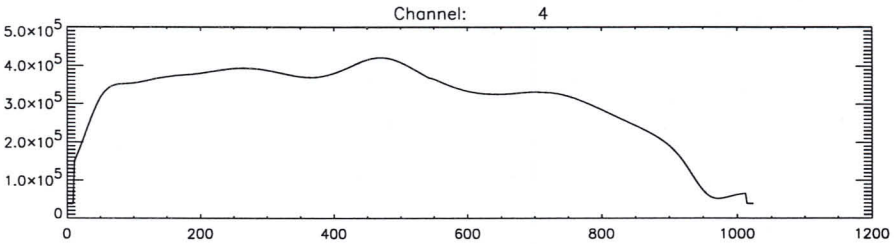
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 4
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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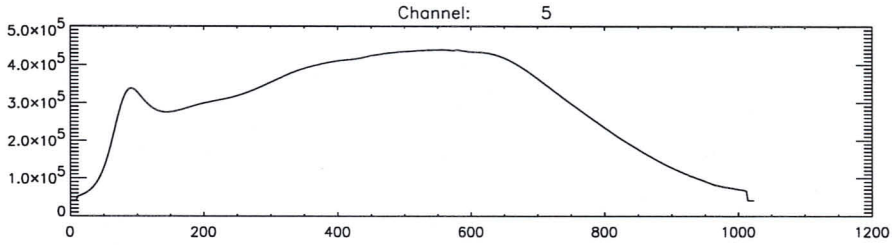
600
800
1000
1200


Channel: 5
5.0×10^5
4.0×10^5
3.0×10^5
2.0×10^5
1.0×10^5
0
0
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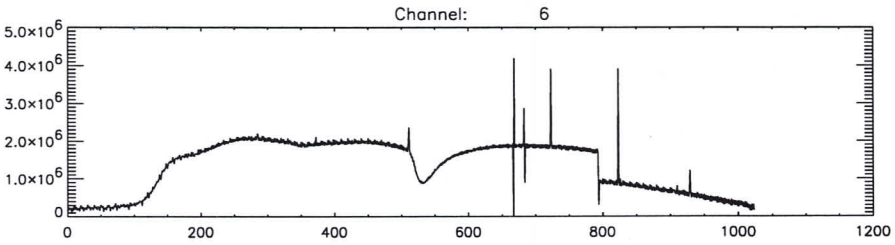
400
600
800
1000
1200


Channel: 6
5.0×10^6
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3.0×10^6
2.0×10^6
1.0×10^6
0
0
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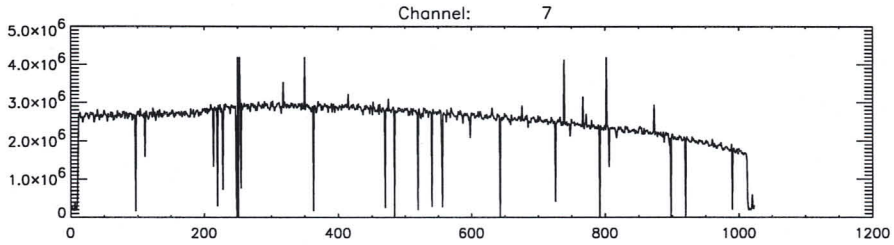
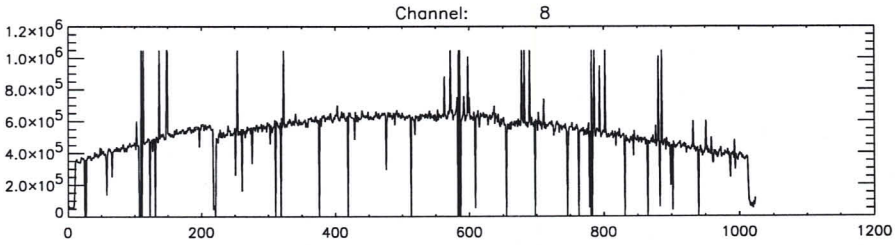
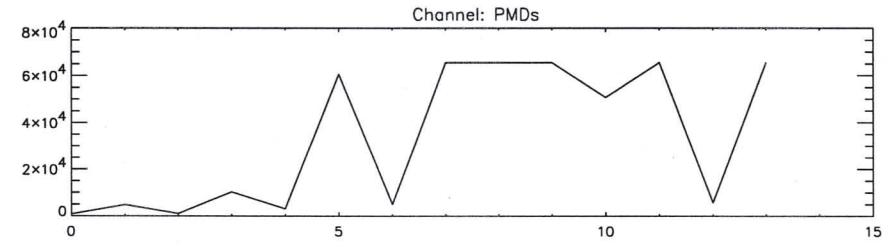
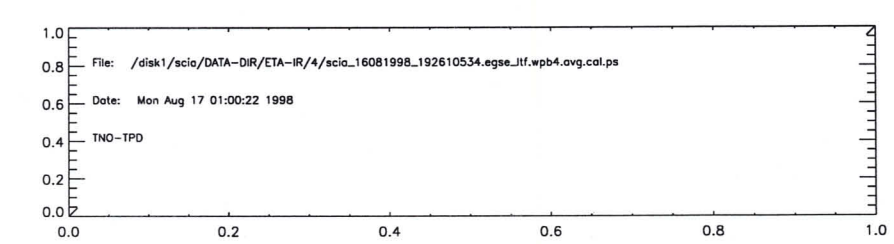
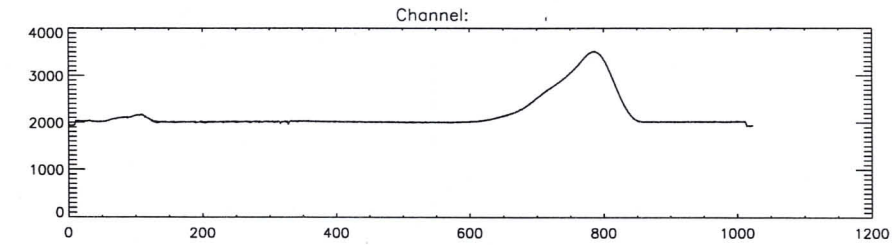
400
600
800
1000
1200

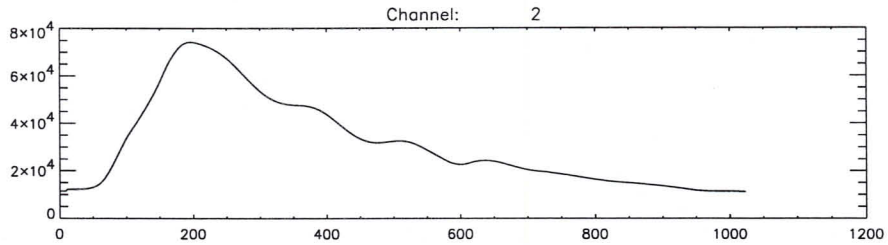

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

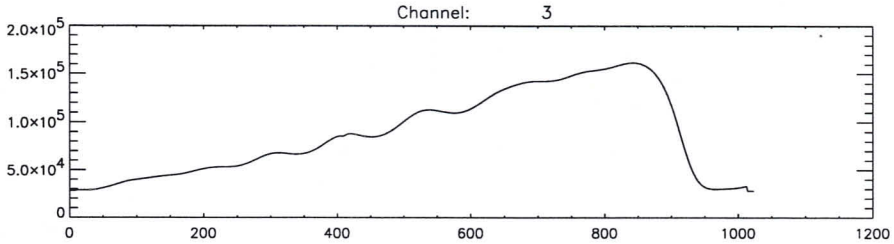

Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpb4.avg.cal.ps
Date: Mon Aug 17 01:00:22 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
8×10^4
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


Channel: 3
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1.0×10^5
5.0×10^4
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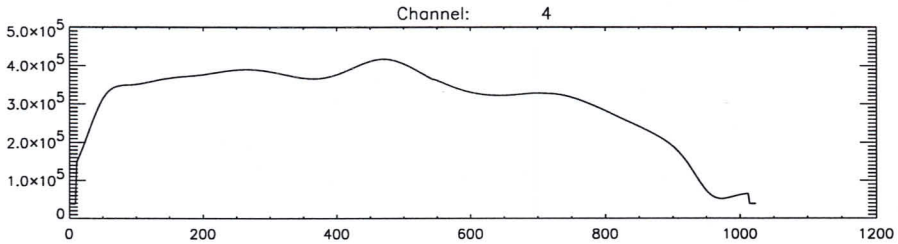
800
1000
1200


Channel: 4
5.0×10^5
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3.0×10^5
2.0×10^5
1.0×10^5
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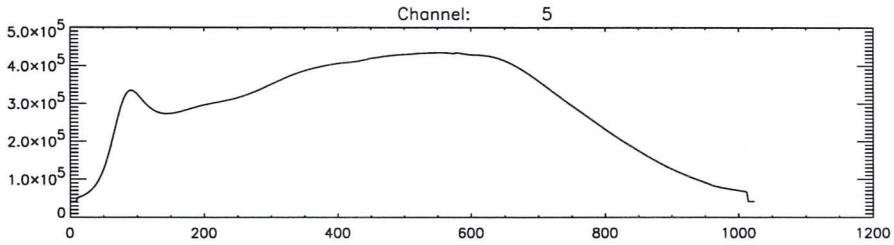
800
1000
1200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3.0×10^5
2.0×10^5
1.0×10^5
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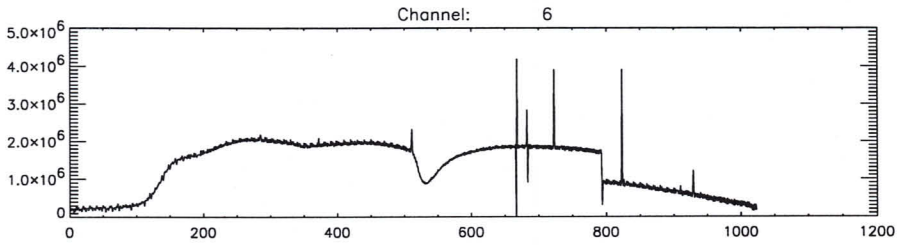
800
1000
1200


Channel: 6
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4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
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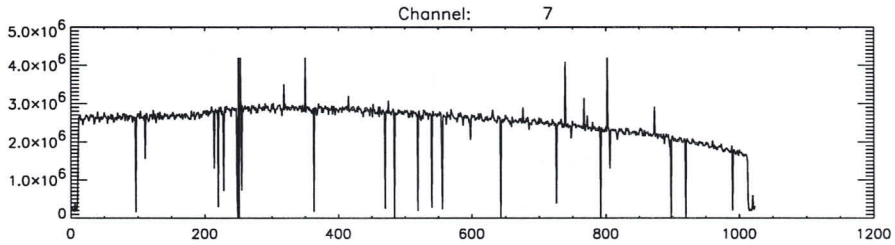
400
600
800
1000
1200


Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
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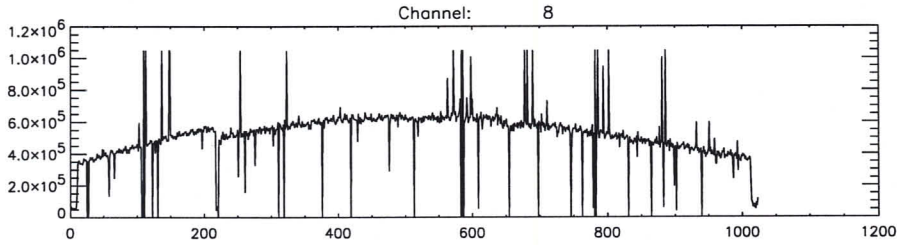
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
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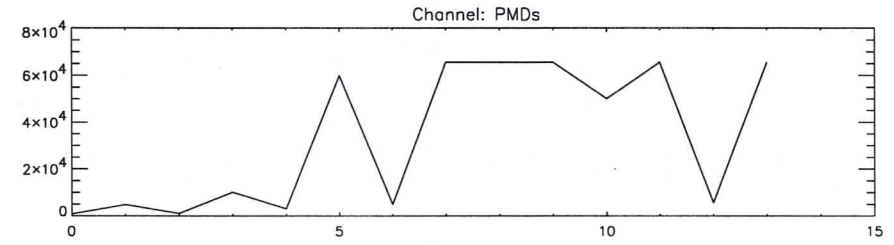
400
600
800
1000
1200


Channel: PMDs
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6×10^4
4×10^4
2×10^4
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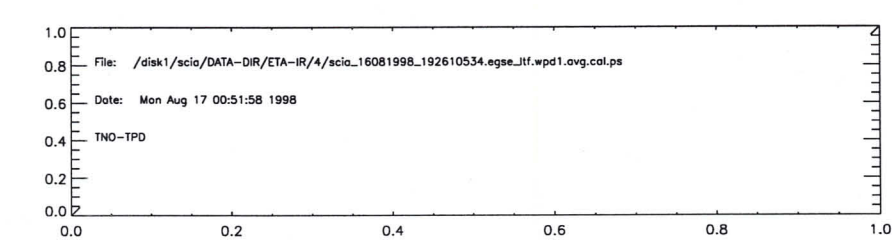
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd1.avg.cal.ps
Date: Mon Aug 17 00:51:58 1998
TNO-TPD
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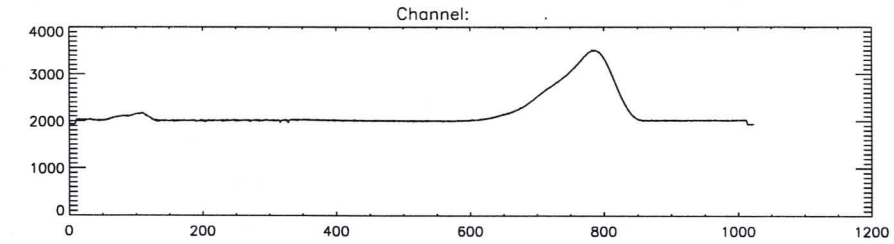
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
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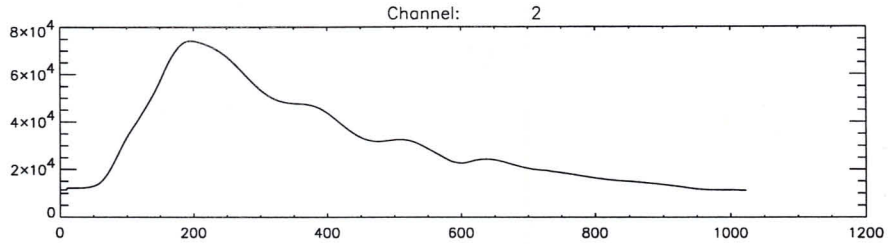
600
800
1000
1200


Channel: 2
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6×10^4
4×10^4
2×10^4
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0
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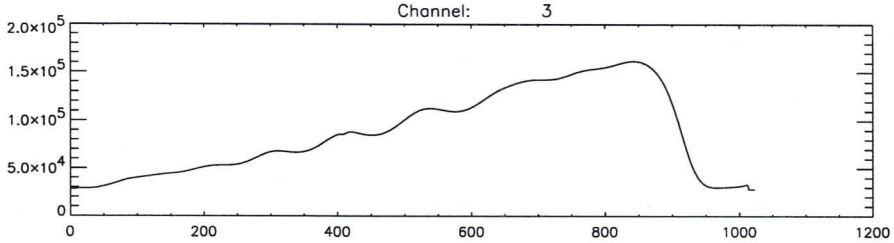
600
800
1000
1200


Channel: 3
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
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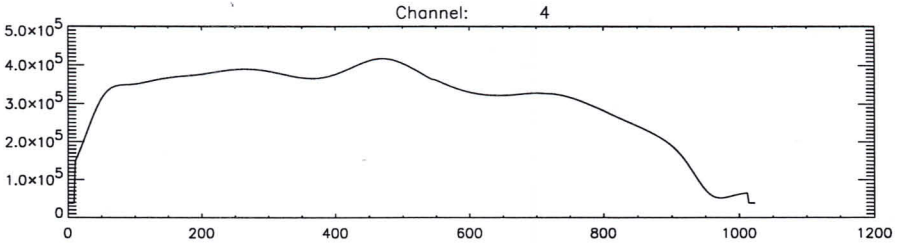
400
600
800
1000
1200


Channel: 4
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3.0×10^5
2.0×10^5
1.0×10^5
0
0
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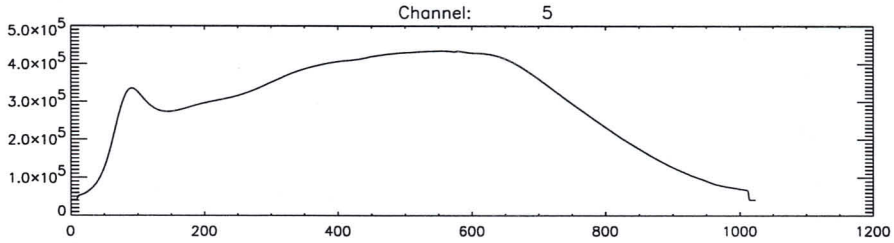
600
800
1000
1200


Channel: 5
5.0×10^5
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3.0×10^5
2.0×10^5
1.0×10^5
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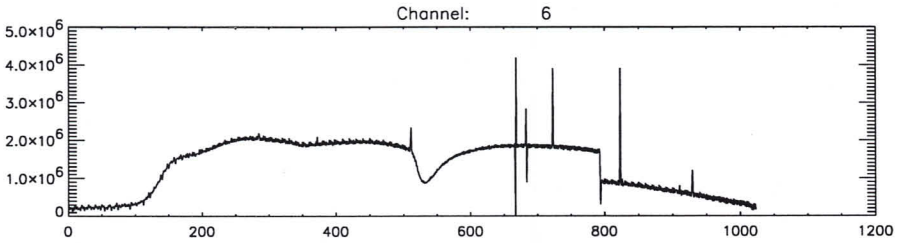
600
800
1000
1200


Channel: 6
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3.0×10^6
2.0×10^6
1.0×10^6
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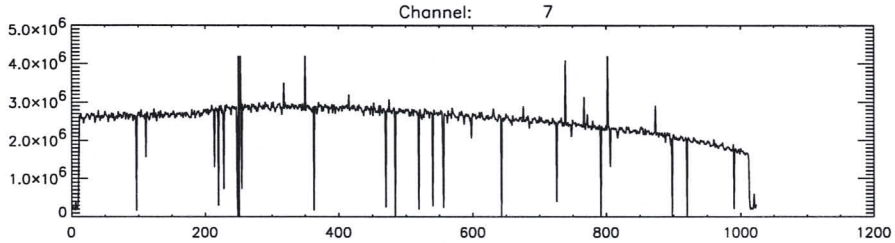
600
800
1000
1200


Channel: 7
5.0×10^6
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3.0×10^6
2.0×10^6
1.0×10^6
0
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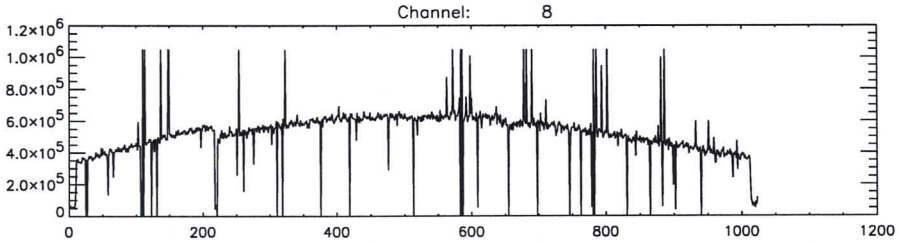
600
800
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
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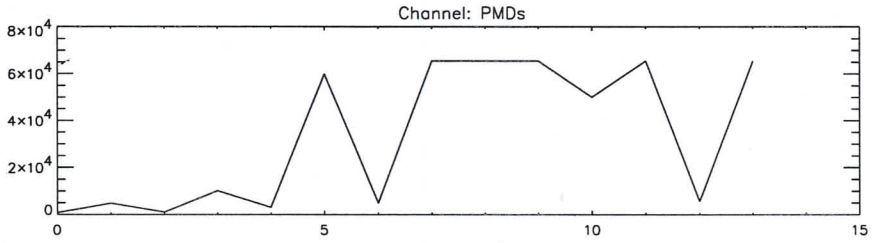
400
600
800
1000
1200


Channel: PMDs
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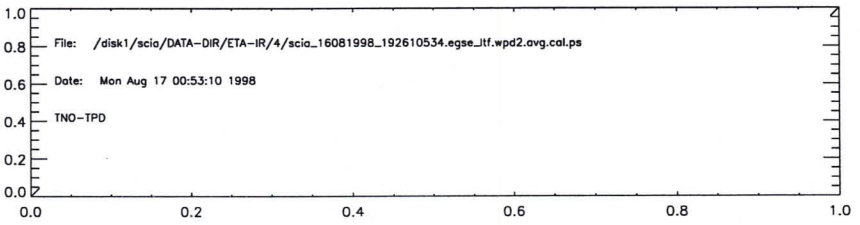
4×10^4
2×10^4
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
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Date: Mon Aug 17 00:53:10 1998
TNO-TPD
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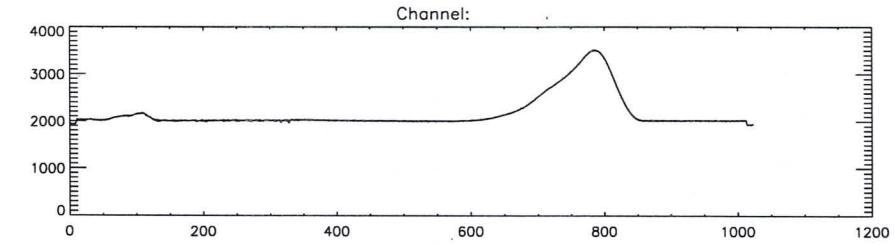
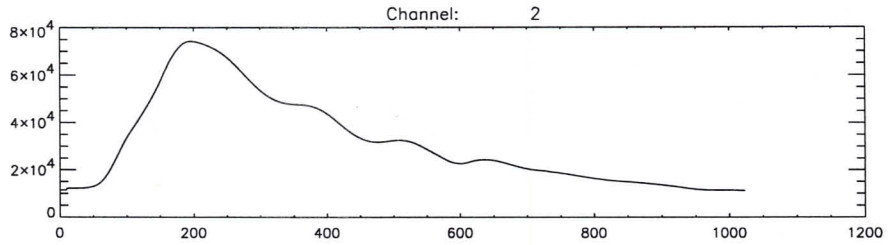
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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0
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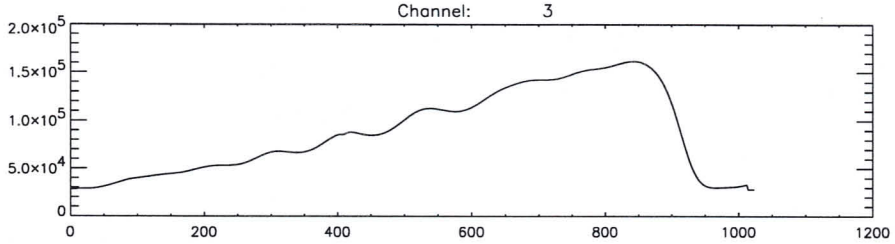
400
600
800
1000
1200


Channel: 3
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
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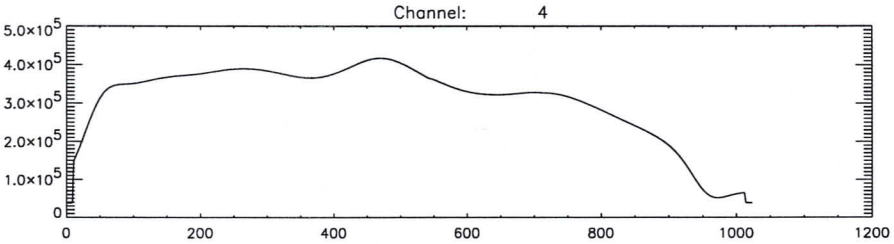
600
800
1000
1200


Channel: 4
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
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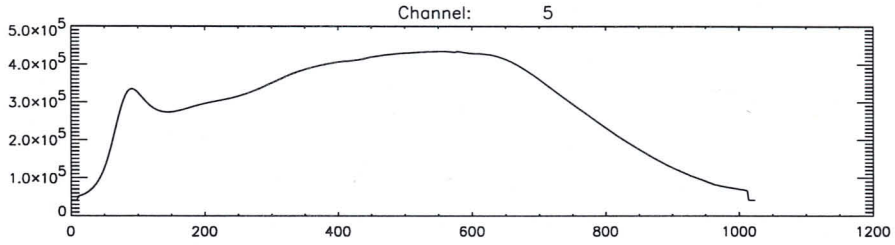
400
600
800
1000
1200


Channel: 5
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
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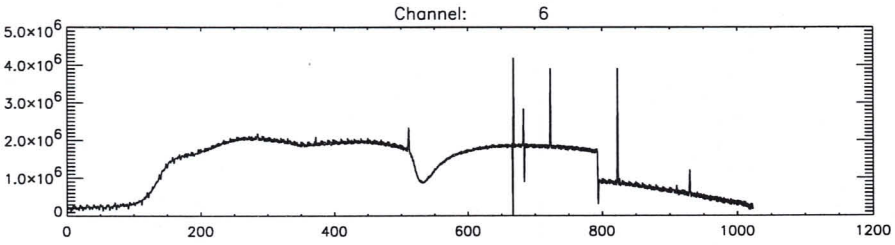
400
600
800
1000
1200


Channel: 6
5.0x10^6
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3.0x10^6
2.0x10^6
1.0x10^6
0
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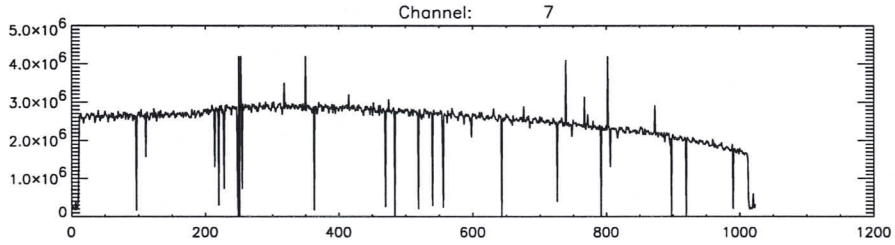
600
800
1000
1200


Channel: 7
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3.0x10^6
2.0x10^6
1.0x10^6
0
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600
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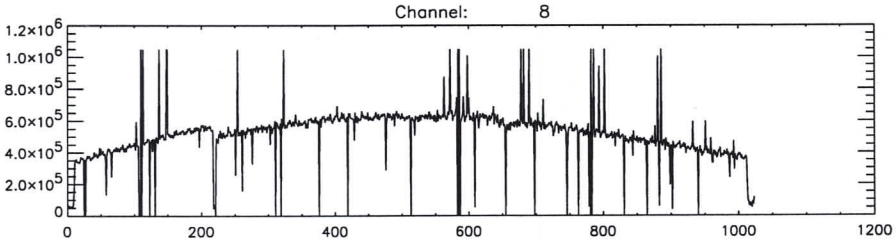
1000
1200


Channel: 8
1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
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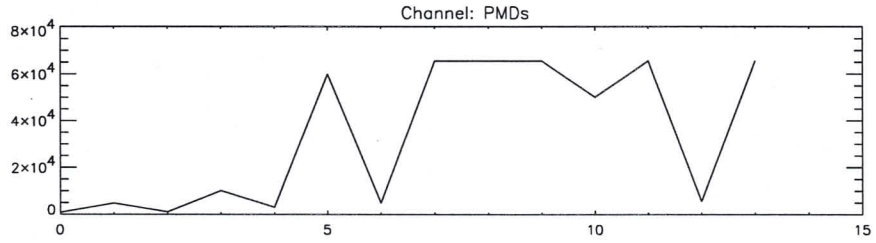
400
600
800
1000
1200


Channel: PMDs
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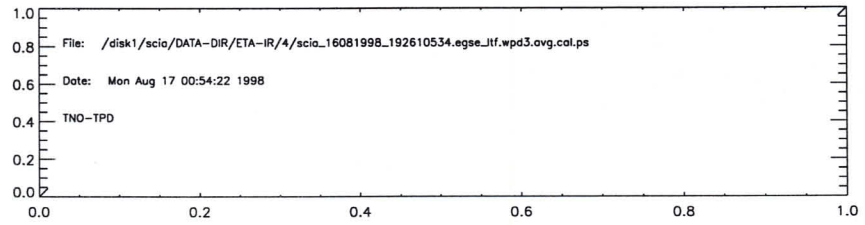
6x10^4
4x10^4
2x10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpd3.avg.cal.ps
Date: Mon Aug 17 00:54:22 1998
TNO-TPD
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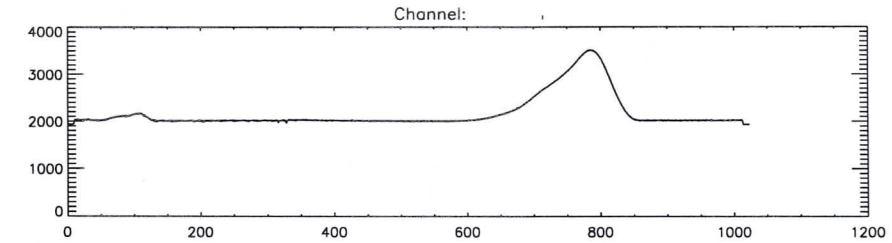
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
4000
3000
2000
1000
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0
200
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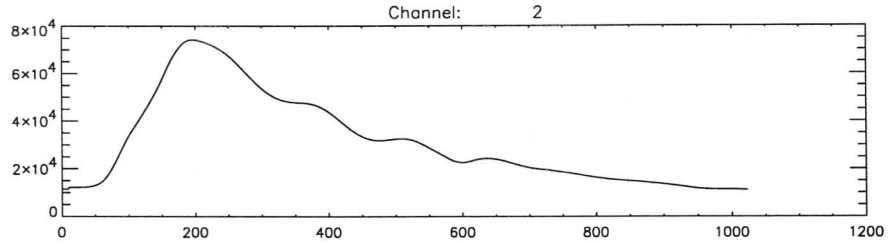
600
800
1000
1200


Channel: 2
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4x10^4
2x10^4
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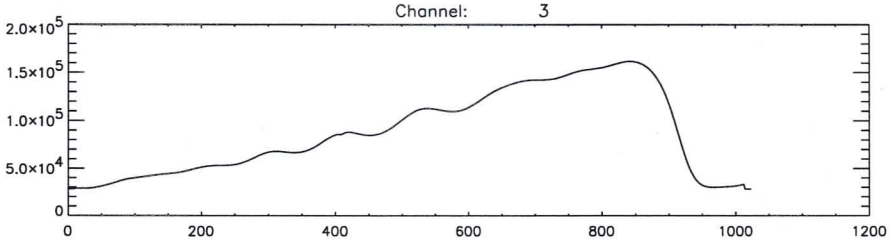
200
400
600
800
1000
1200


Channel: 3
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1.5x10^5
1.0x10^5
5.0x10^4
0
0
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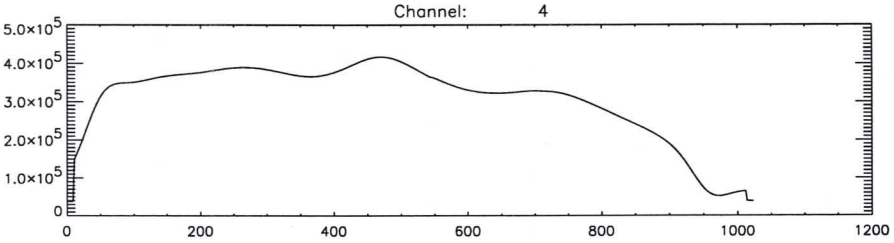
400
600
800
1000
1200


Channel: 4
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3.0x10^5
2.0x10^5
1.0x10^5
0
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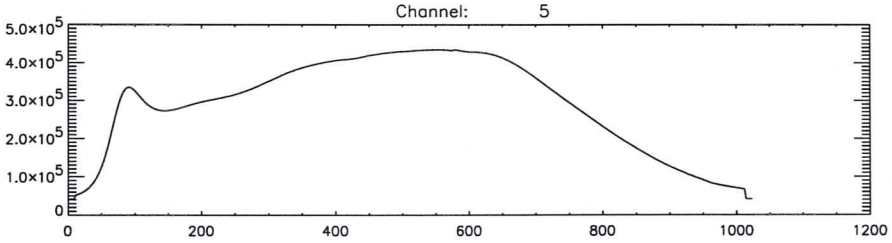
600
800
1000
1200


Channel: 5
5.0x10^5
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3.0x10^5
2.0x10^5
1.0x10^5
0
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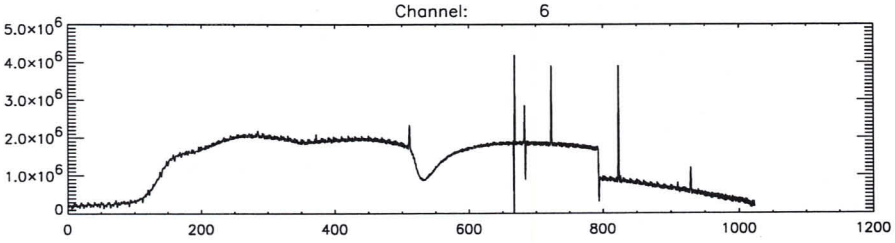
600
800
1000
1200


Channel: 6
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2.0x10^6
1.0x10^6
0
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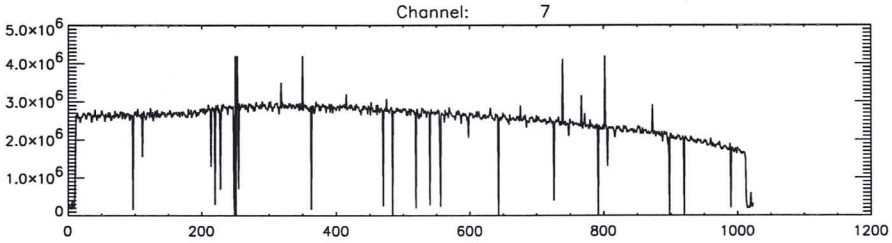
600
800
1000
1200


Channel: 7
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3.0x10^6
2.0x10^6
1.0x10^6
0
0
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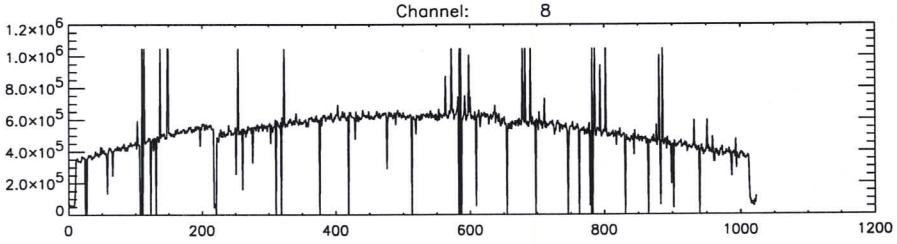
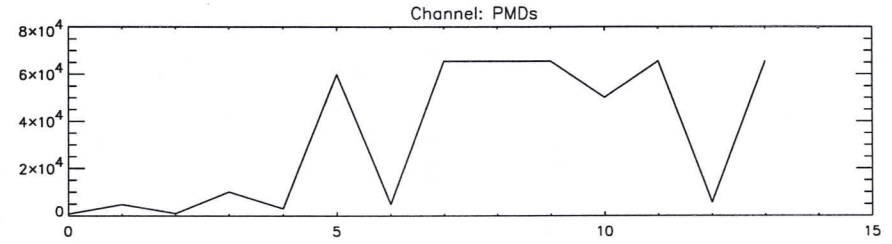
600
800
1000
1200


Channel: 8
1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
200
400
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
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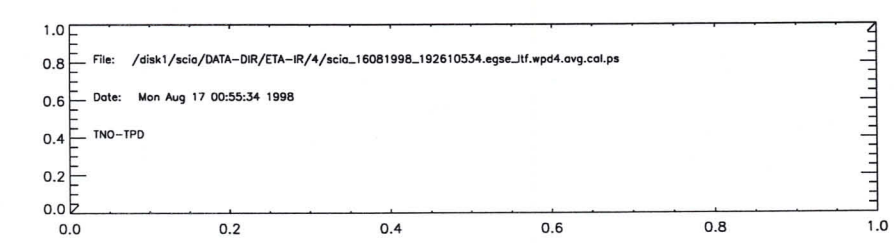
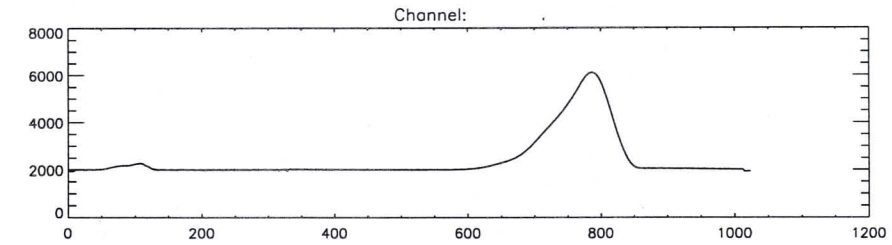
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd4.avg.cal.ps
Date: Mon Aug 17 00:55:34 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0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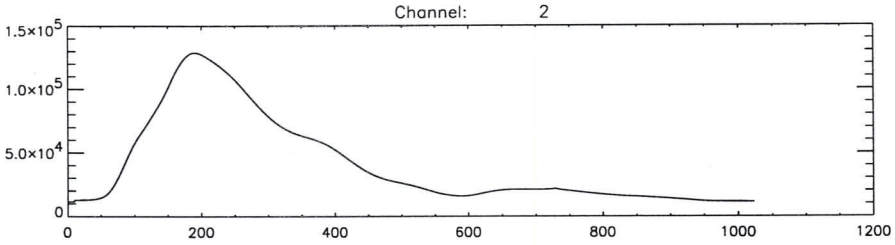
Channel: 2
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1.0×10^5
5.0×10^4
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1000
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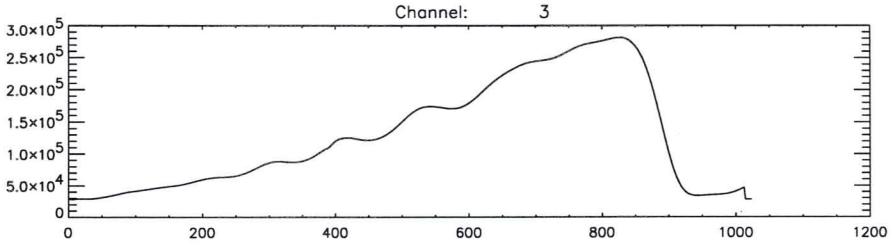
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2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
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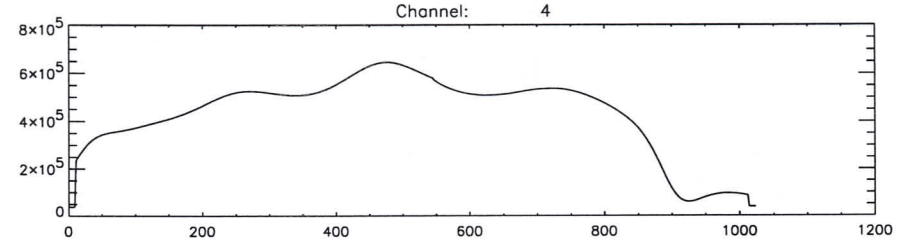
1000
1200


Channel: 4
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6×10^5
4×10^5
2×10^5
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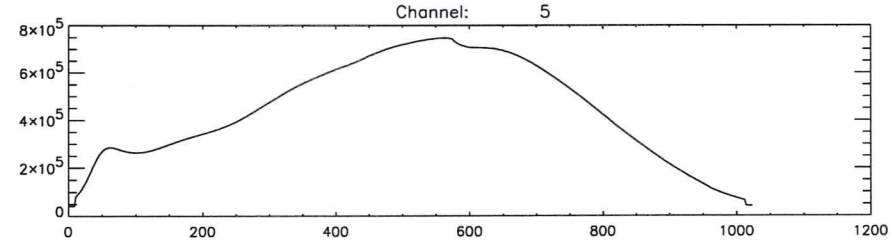
1000
1200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2×10^5
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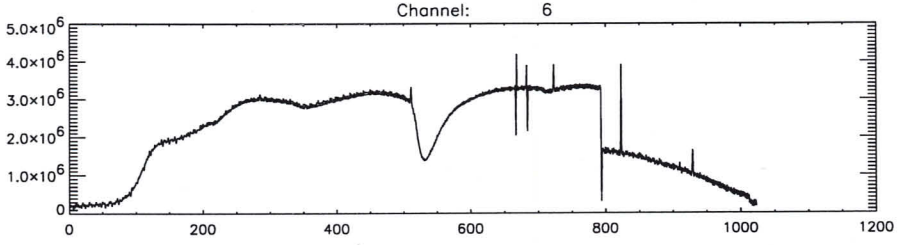
Channel: 6
5.0×10^6
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3.0×10^6
2.0×10^6
1.0×10^6
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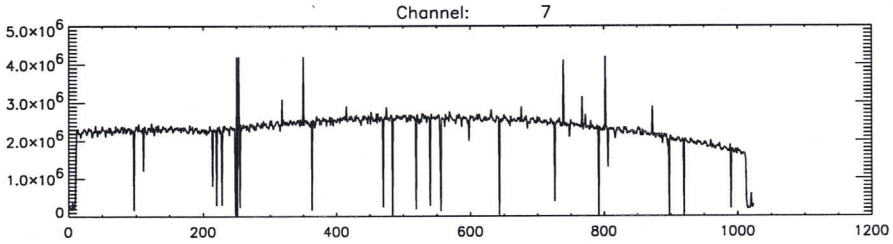
800
1000
1200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5.0×10^6
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3.0×10^6
2.0×10^6
1.0×10^6
0
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1000
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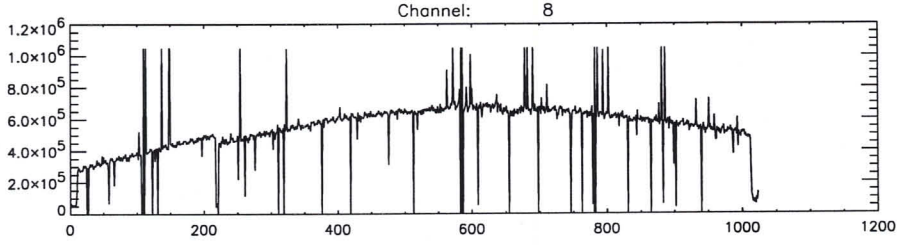
Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
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600
800
1000
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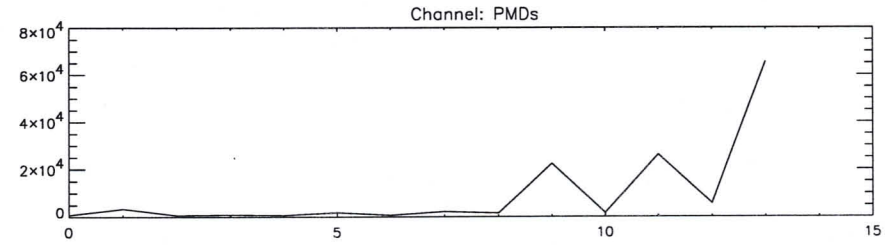
Channel: PMDs
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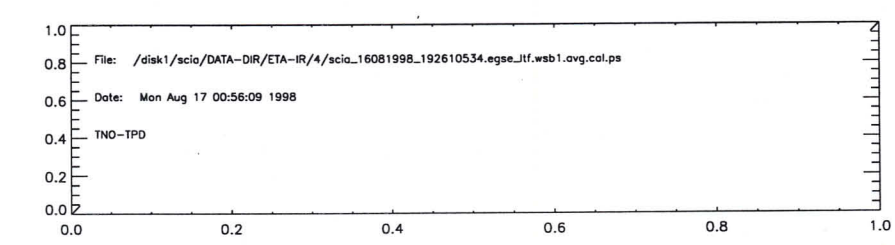
6×10^4
4×10^4
2×10^4
0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb1.avg.cal.ps
Date: Mon Aug 17 00:56:09 1998
TNO-TPD
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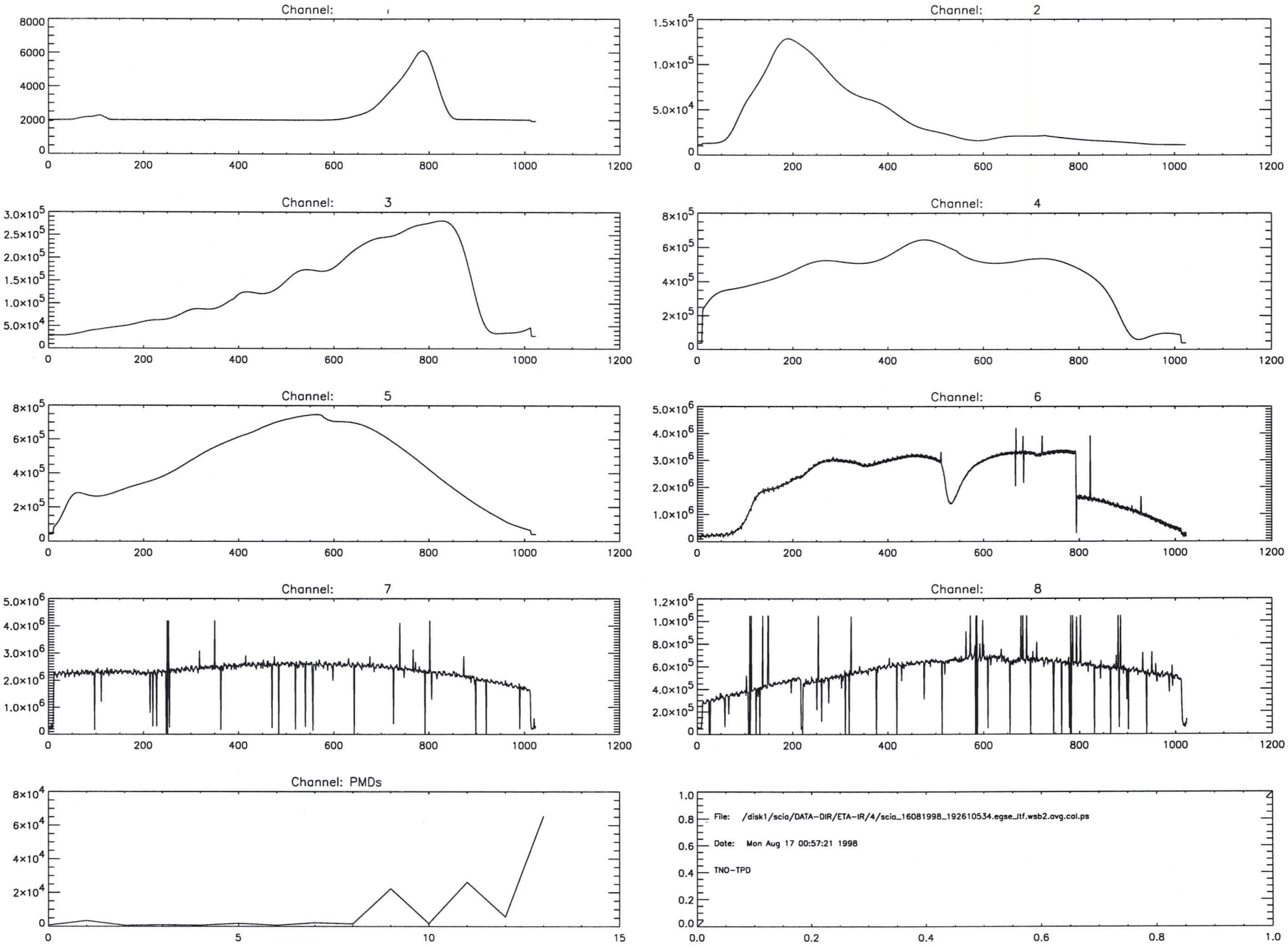
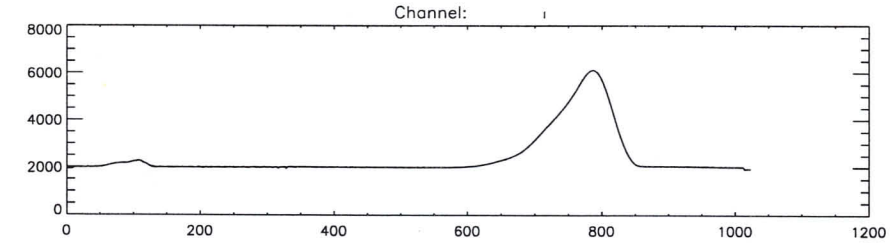
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb2.avg.cal.ps
Date: Mon Aug 17 00:57:21 1998
TNO-TPD


Channel: 1
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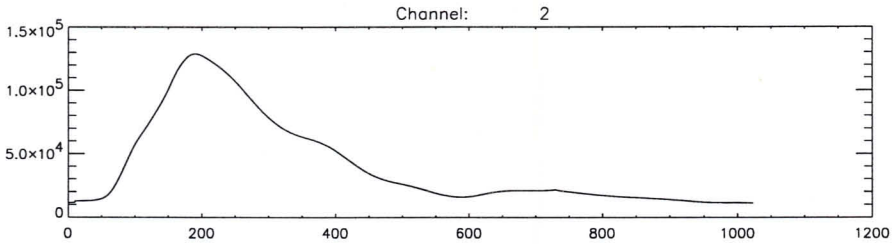
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 2
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1.0x10^5
5.0x10^4
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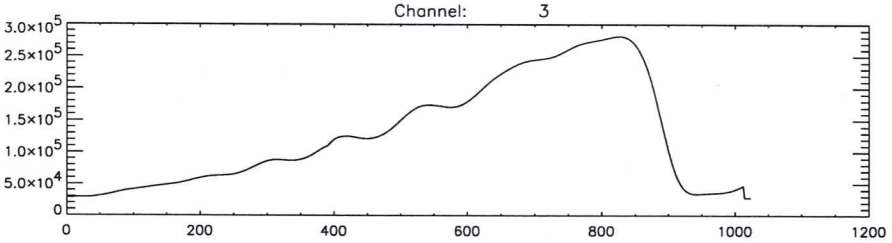
600
800
1000
1200


Channel: 3
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2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
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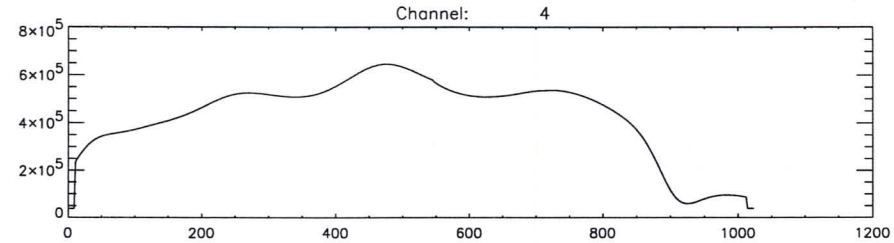
600
800
1000
1200


Channel: 4
8x10^5
6x10^5
4x10^5
2x10^5
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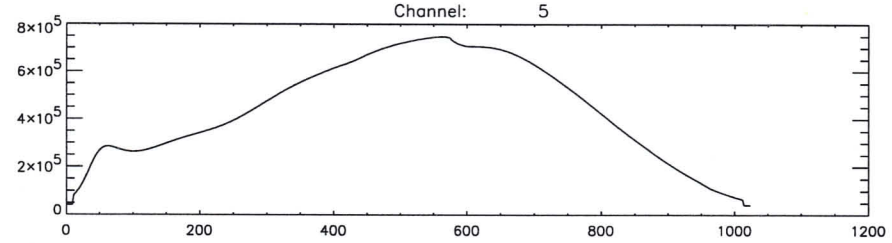
400
600
800
1000
1200


Channel: 5
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2x10^5
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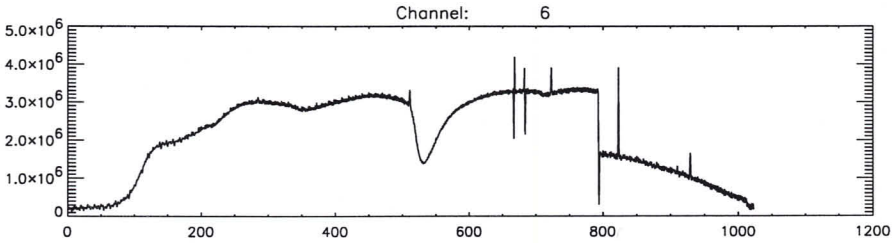
600
800
1000
1200


Channel: 6
5.0x10^6
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3.0x10^6
2.0x10^6
1.0x10^6
0
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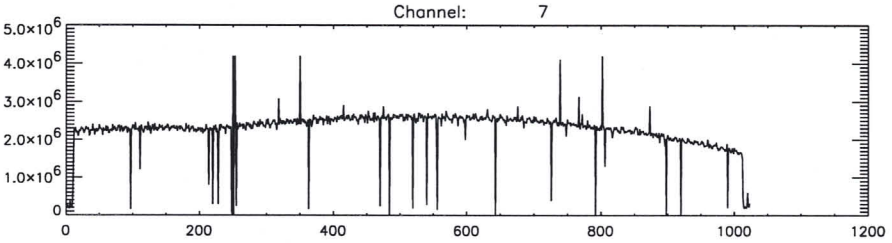
600
800
1000
1200


Channel: 7
5.0x10^6
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3.0x10^6
2.0x10^6
1.0x10^6
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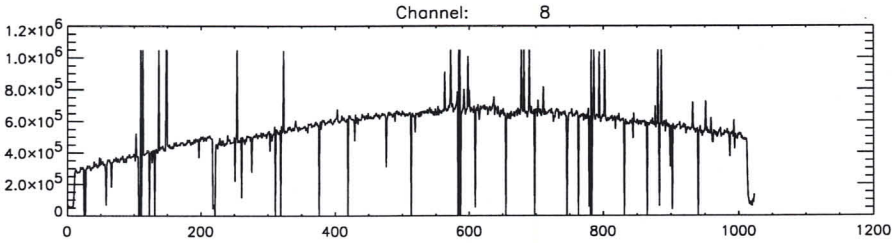
600
800
1000
1200


Channel: 8
1.2x10^6
1.0x10^6
8.0x10^5
6.0x10^5
4.0x10^5
2.0x10^5
0
0
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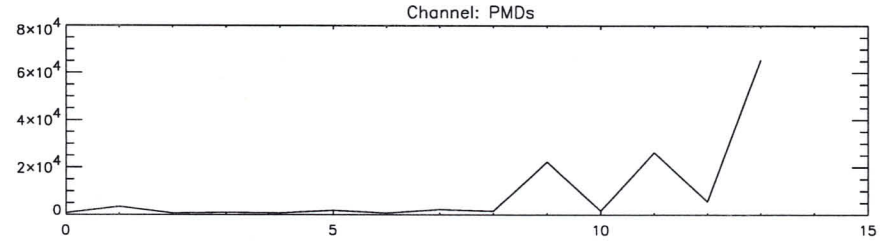
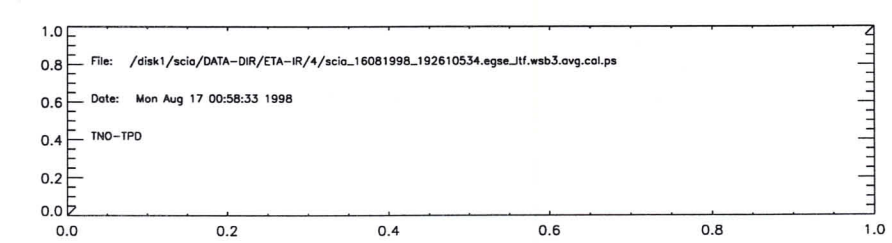
400
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb3.avg.cal.ps
Date: Mon Aug 17 00:58:33 1998
TNO-TPD
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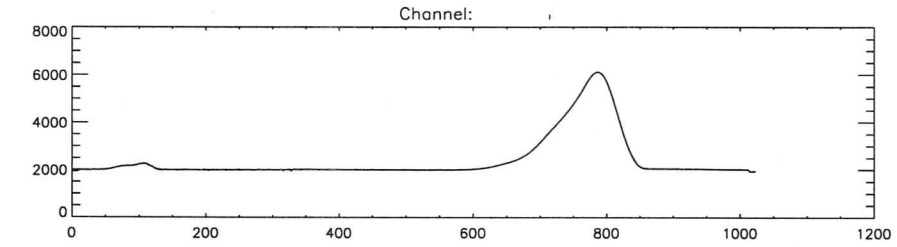
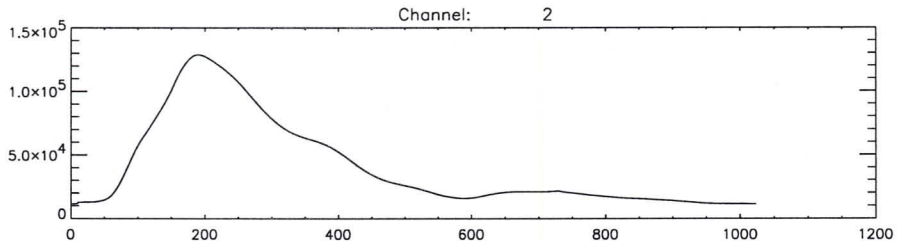
0.2
0.4
0.6
0.8
1.0


Channel:
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 2
1.5x10^5
1.0x10^5
5.0x10^4
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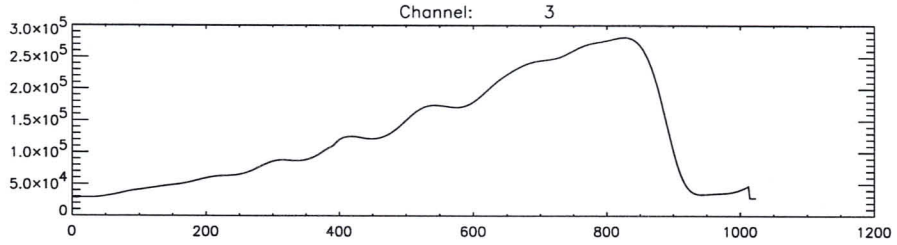
400
600
800
1000
1200


Channel: 3
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
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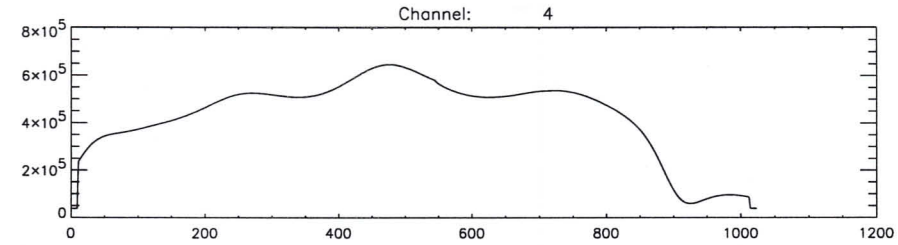
600
800
1000
1200


Channel: 4
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4x10^5
2x10^5
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600
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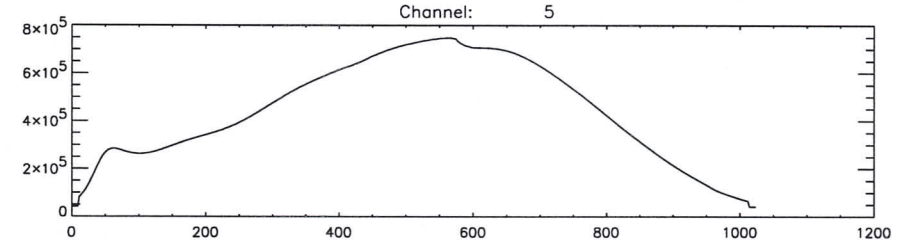
1000
1200


Channel: 5
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4x10^5
2x10^5
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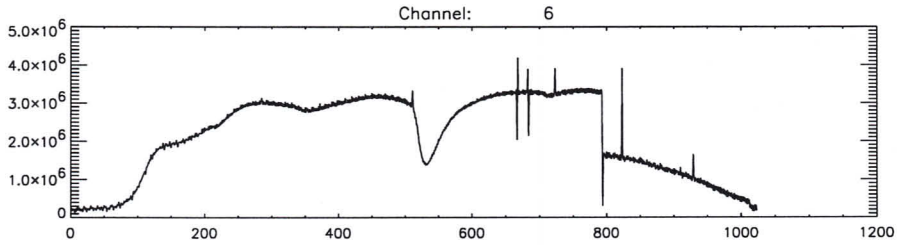
1000
1200


Channel: 6
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3.0x10^6
2.0x10^6
1.0x10^6
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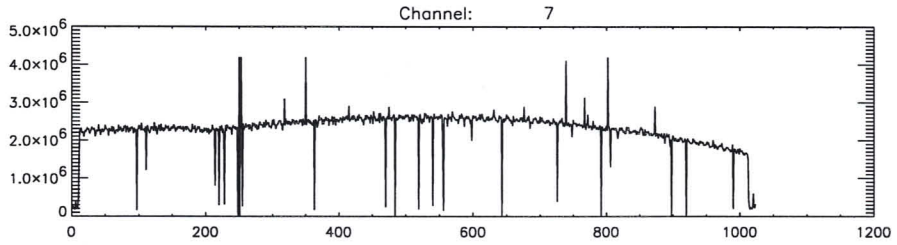
600
800
1000
1200


Channel: 7
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3.0x10^6
2.0x10^6
1.0x10^6
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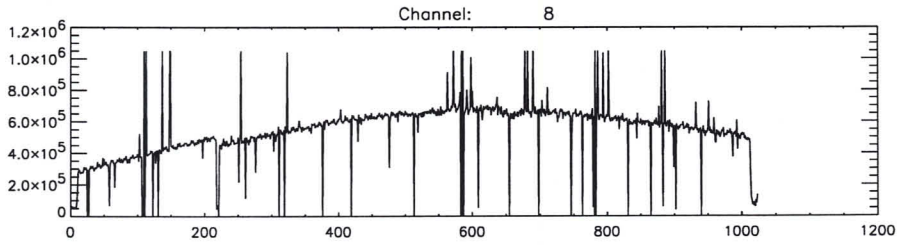
1000
1200


Channel: 8
1.2x10^6
1.0x10^6
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6.0x10^5
4.0x10^5
2.0x10^5
0
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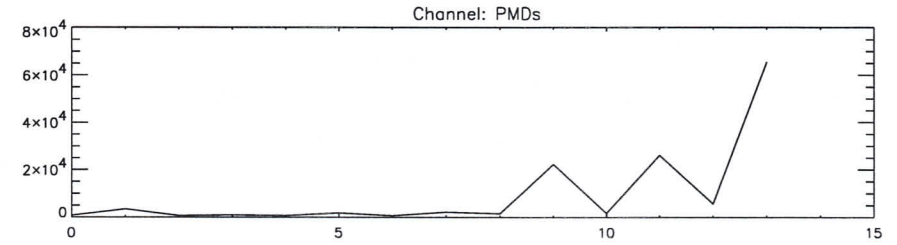
600
800
1000
1200


Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
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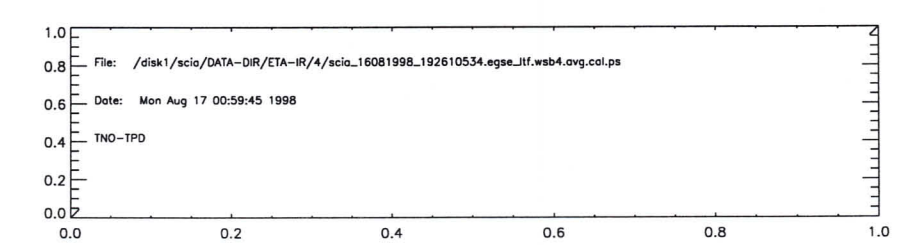
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb4.avg.cal.ps
Date: Mon Aug 17 00:59:45 1998
TNO-TPD
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0.4
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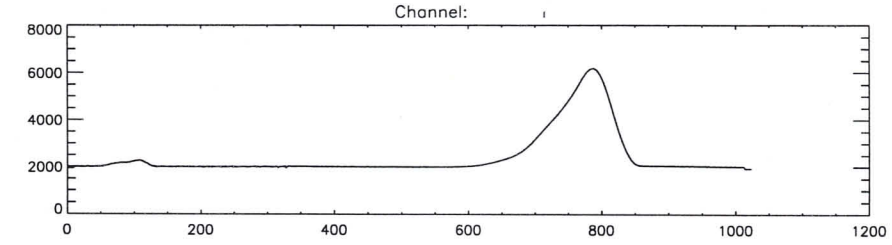
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
8000
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4000
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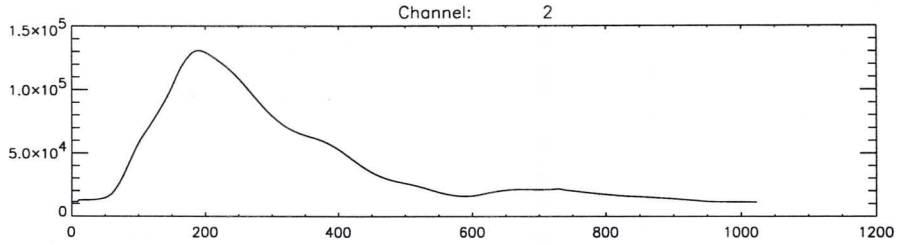
1000
1200


Channel: 2
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1.0×10^5
5.0×10^4
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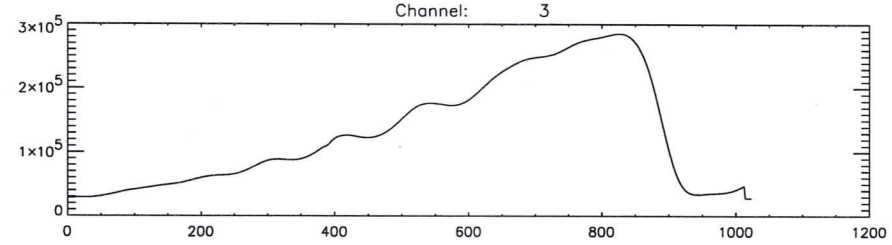
600
800
1000
1200


Channel: 3
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2×10^5
1×10^5
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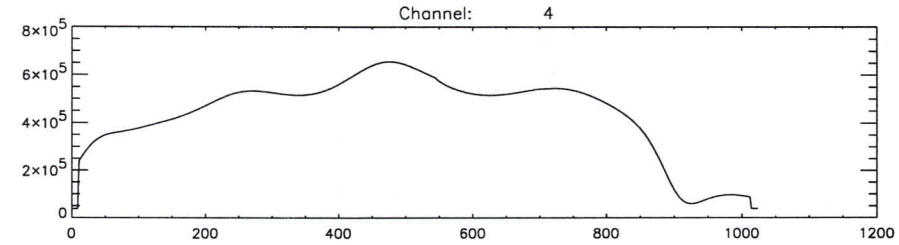
1000
1200


Channel: 4
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6×10^5
4×10^5
2×10^5
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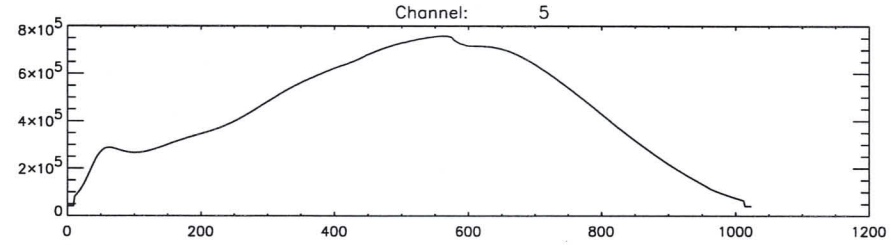
600
800
1000
1200


Channel: 5
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6×10^5
4×10^5
2×10^5
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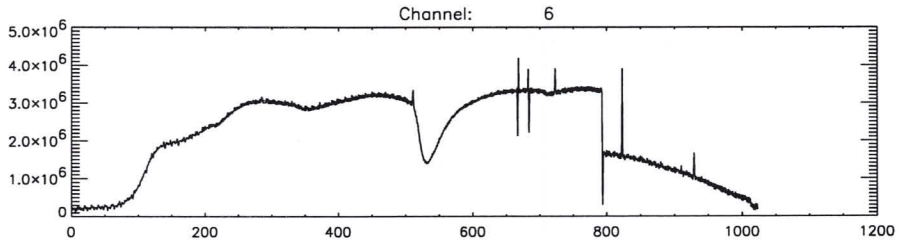
200
400
600
800
1000
1200


Channel: 6
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3.0×10^6
2.0×10^6
1.0×10^6
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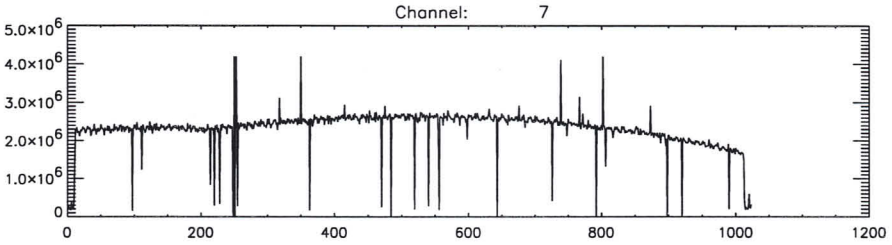
800
1000
1200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3.0×10^6
2.0×10^6
1.0×10^6
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600
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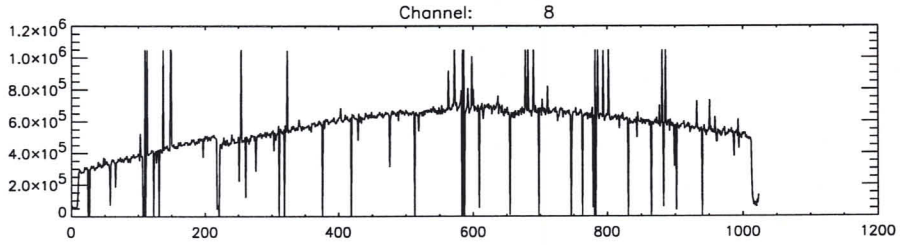
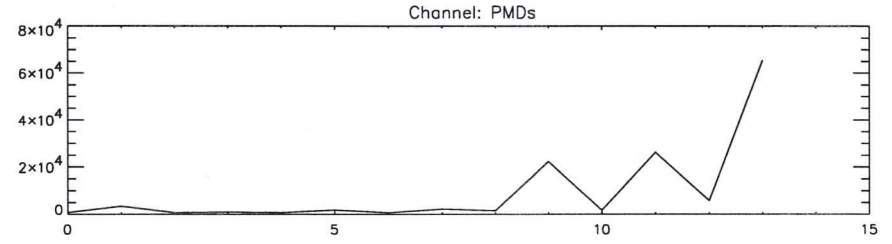
1000
1200


Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200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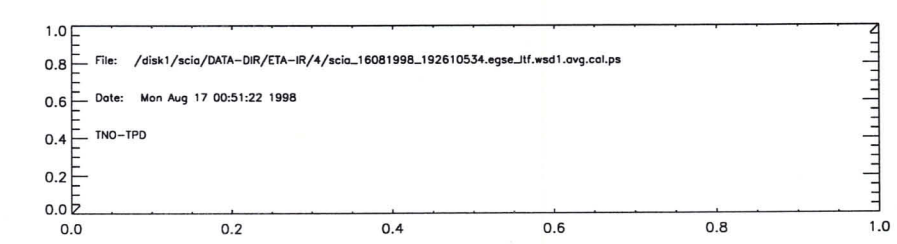
6×10^4
4×10^4
2×10^4
0
0
5
10
15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Date: Mon Aug 17 00:51:22 1998
TNO-TPD
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0.0
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0.2
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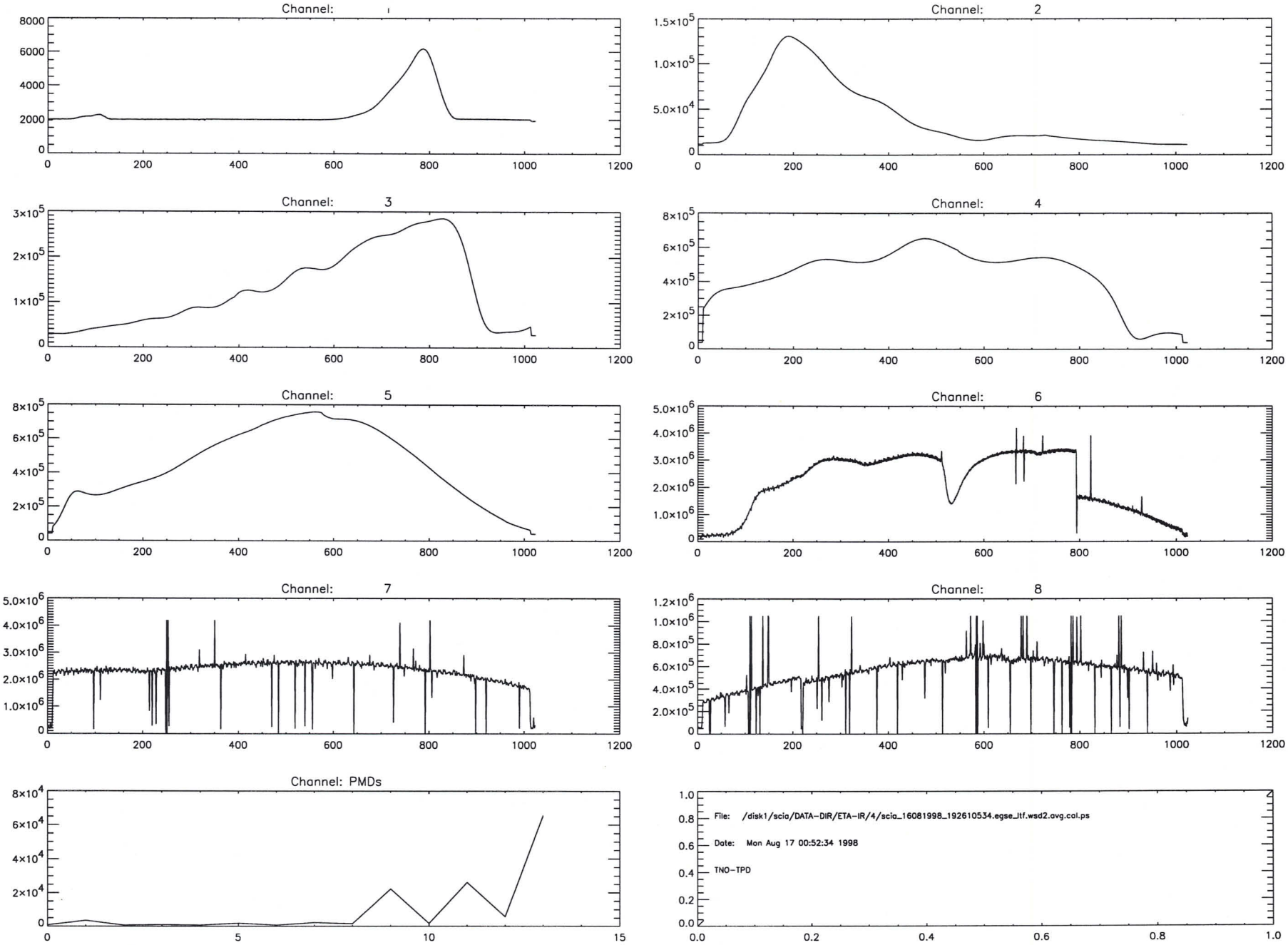
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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Date: Mon Aug 17 00:52:34 1998
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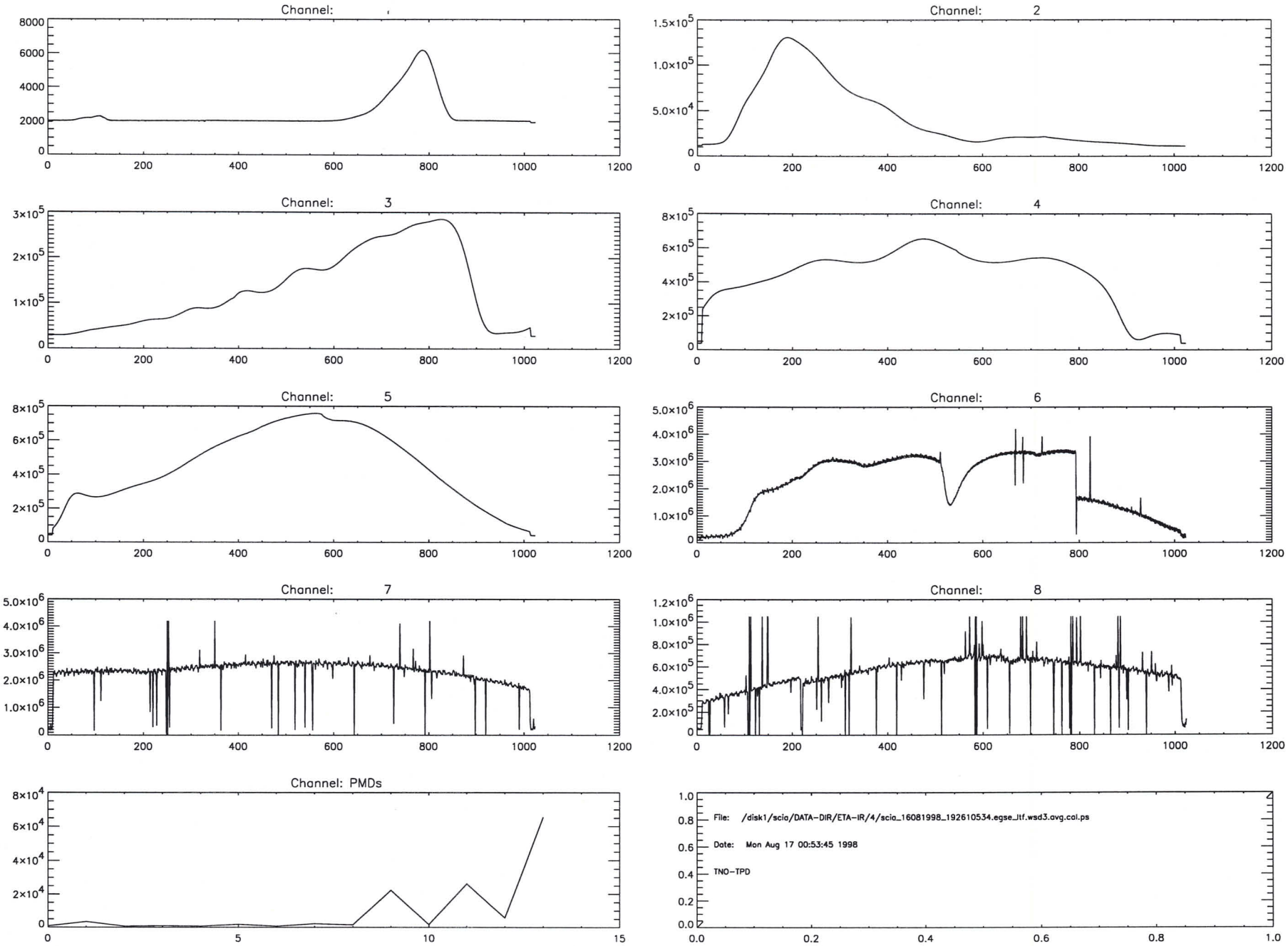
Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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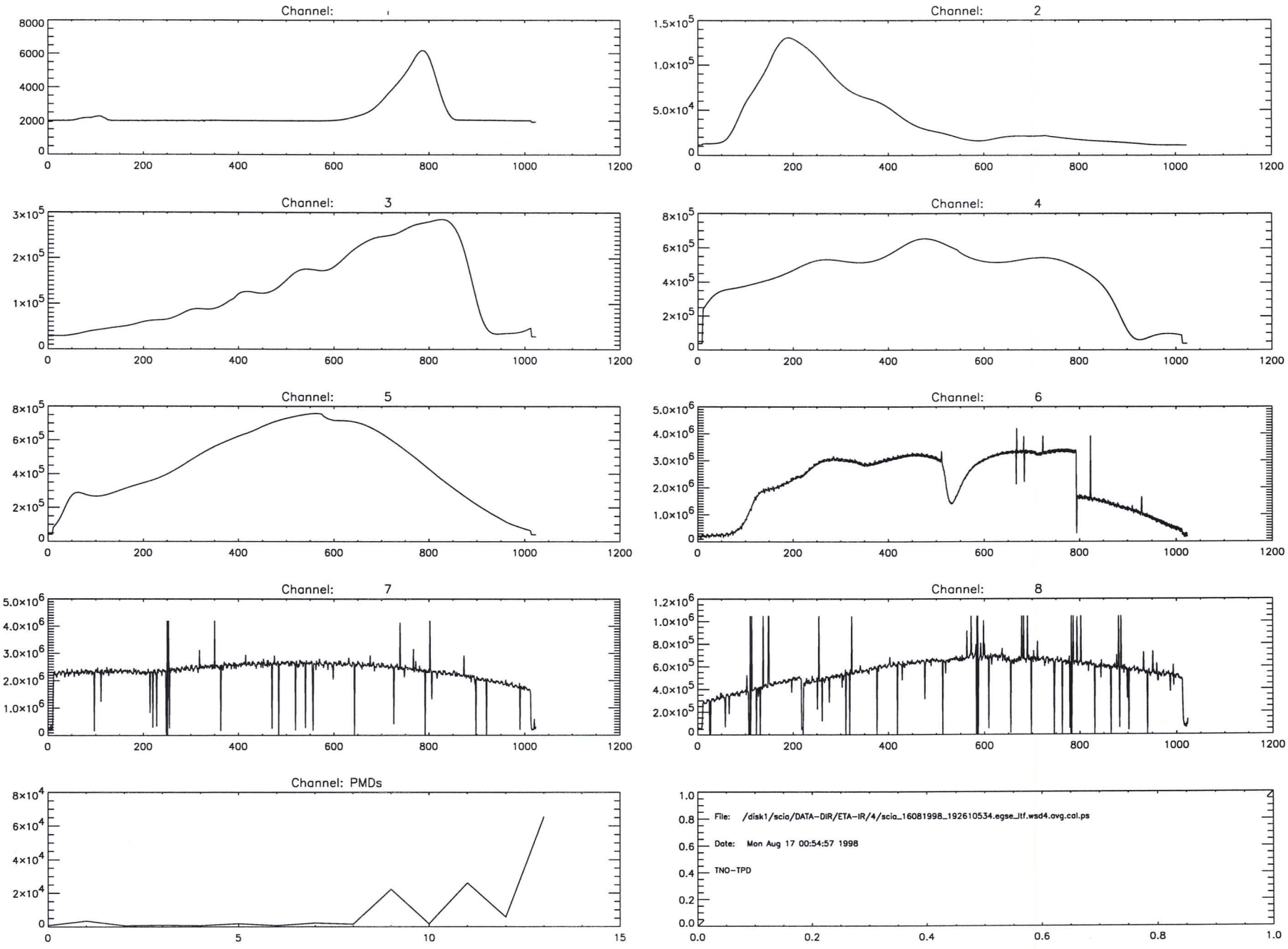
Date: Mon Aug 17 00:53:45 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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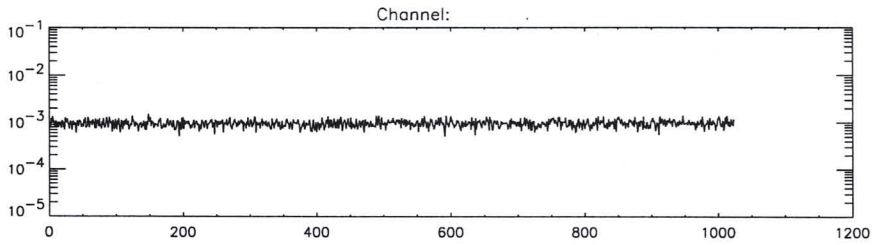
Date: Mon Aug 17 00:54:57 1998
TNO-TPD

ALL
REL. STD.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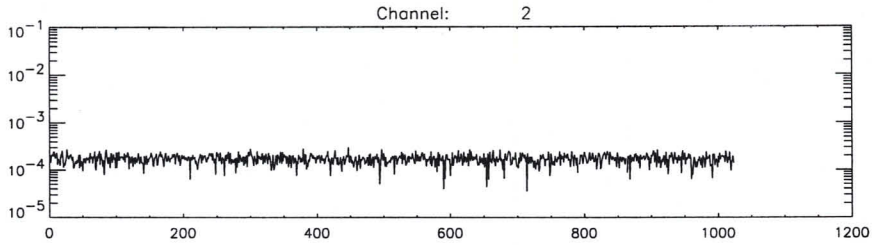
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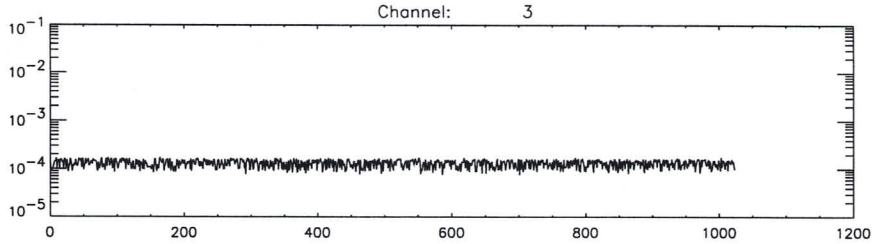
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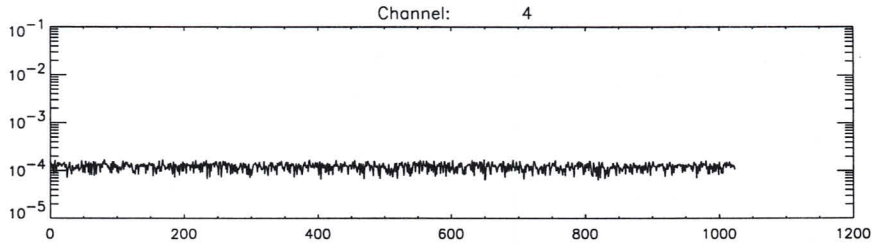
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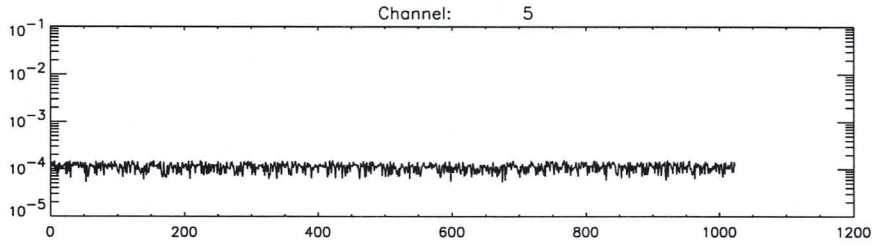
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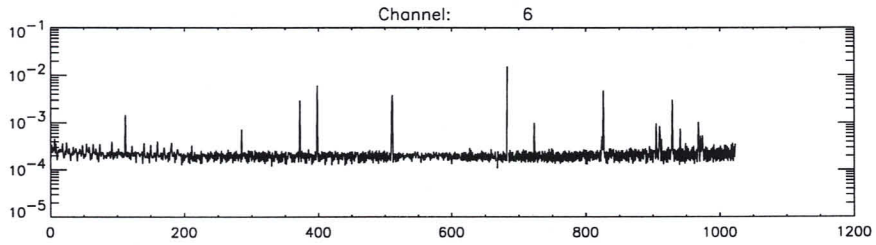
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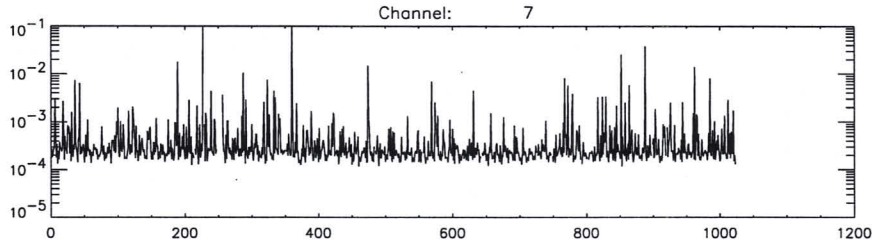
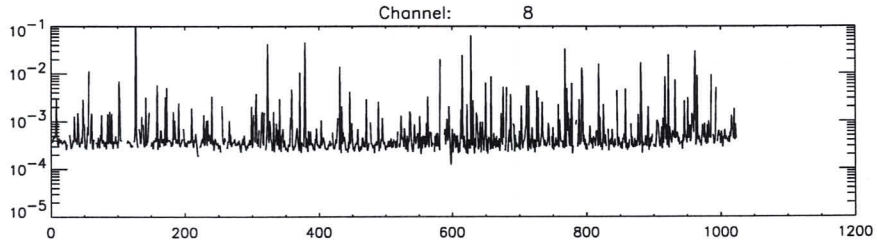
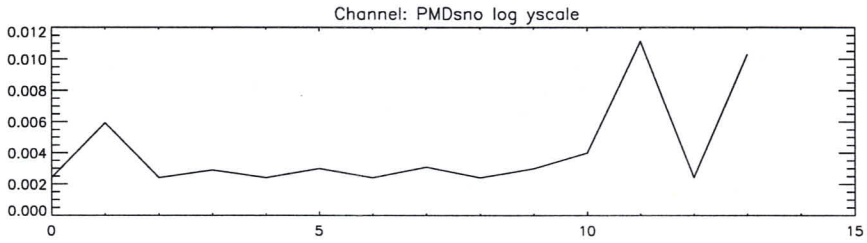
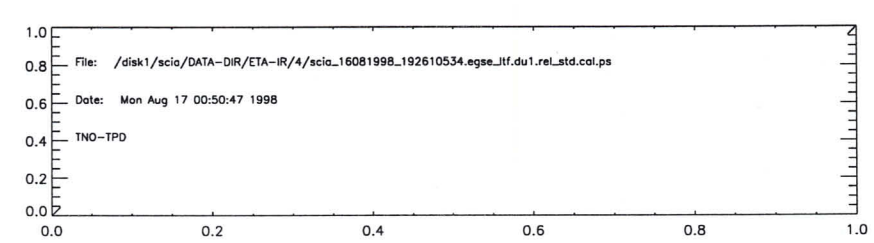

Channel: 7


Channel: 8


Channel: PMDsno log yscale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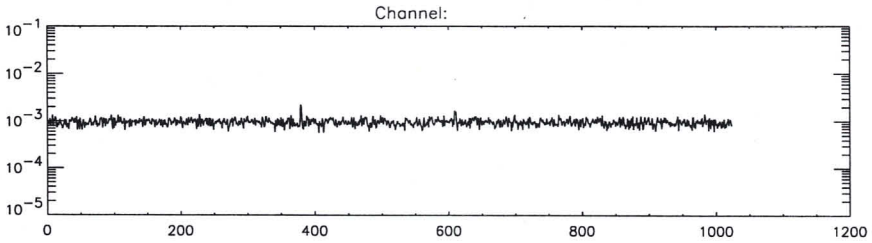
Date: Mon Aug 17 00:50:47 1998
TNO-TPD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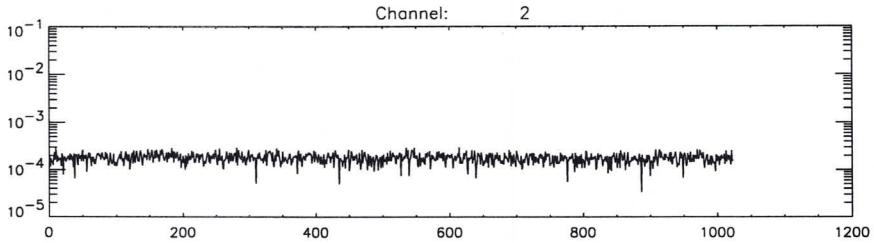
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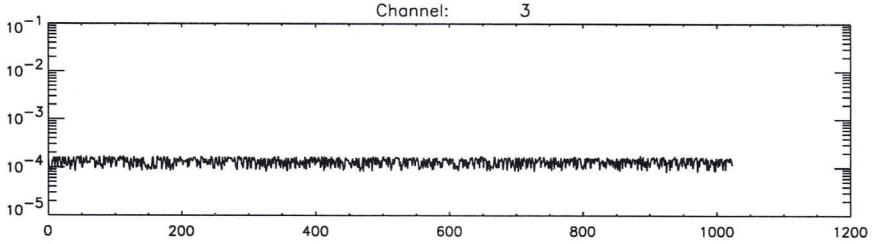
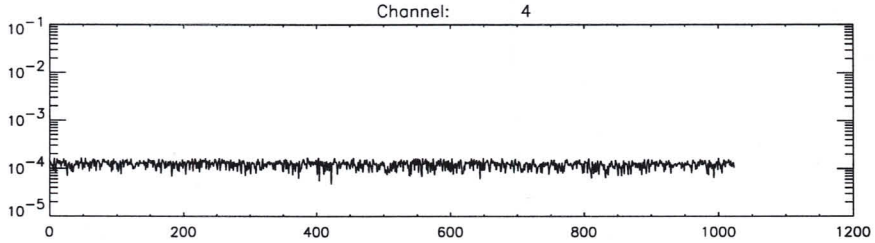

Channel: 3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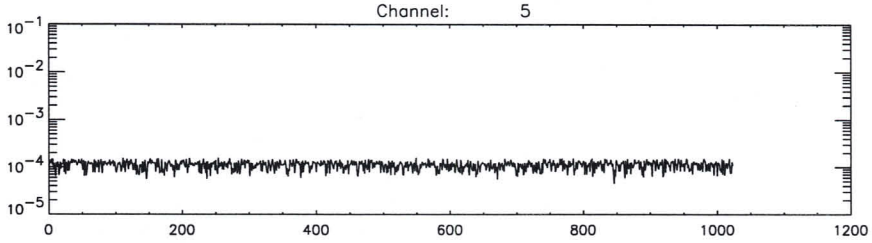
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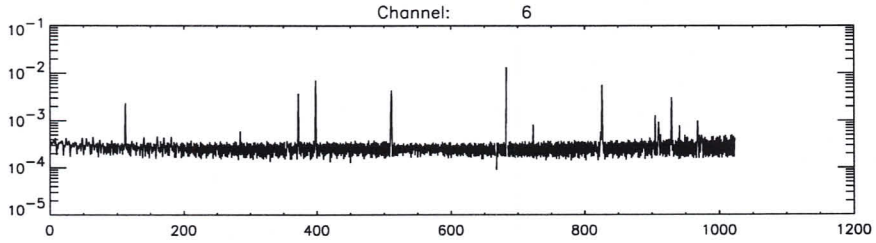
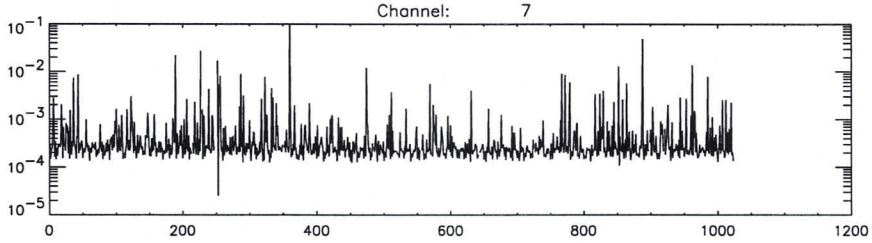

Channel: 6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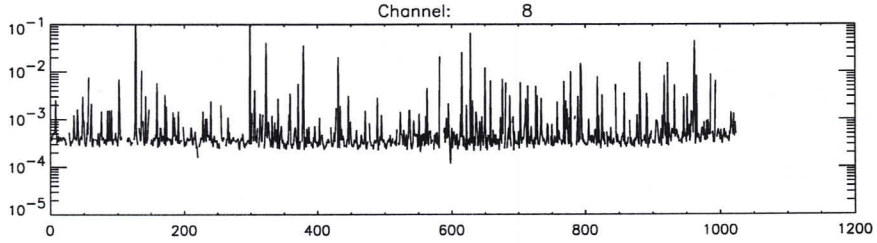
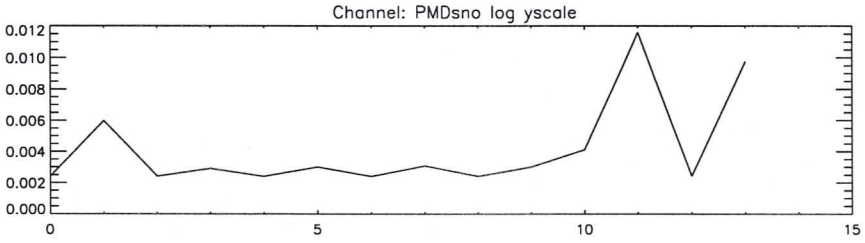
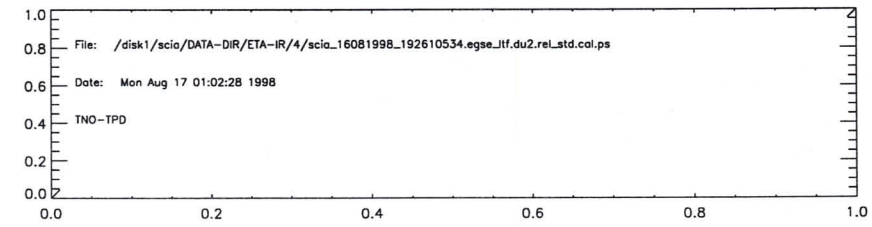

Channel: 8


Channel: PMDsno log yscale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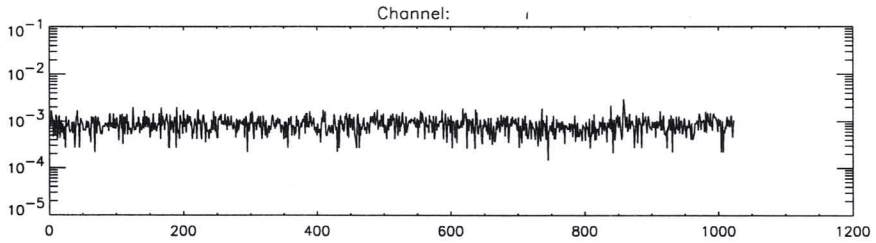
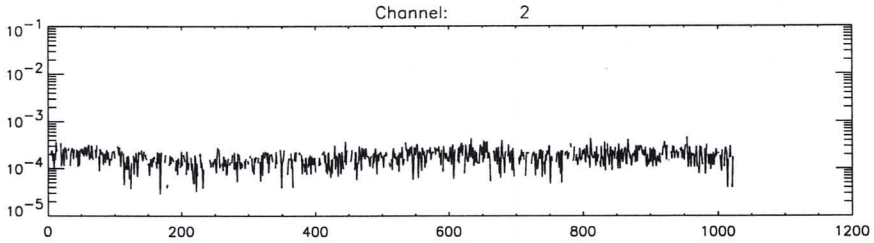
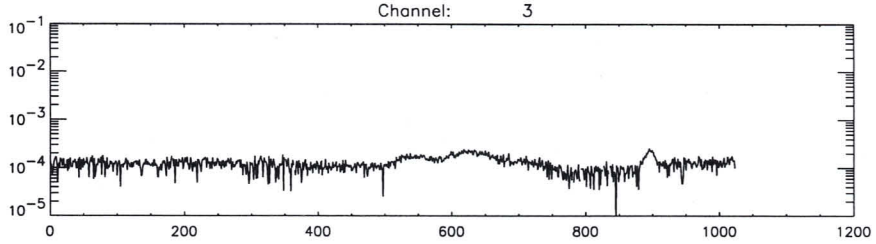
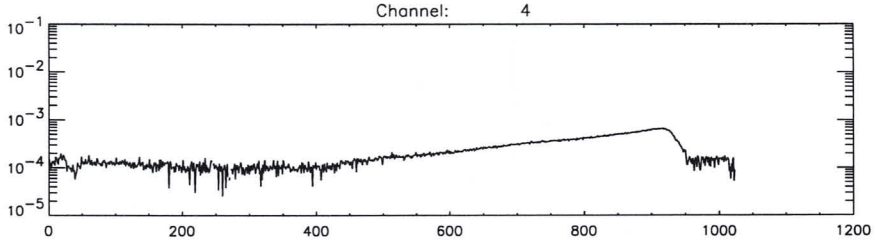
Date: Mon Aug 17 01:02:28 1998
TNO-TPD


Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: 4
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10^{-3}
10^{-4}
10^{-5}
0
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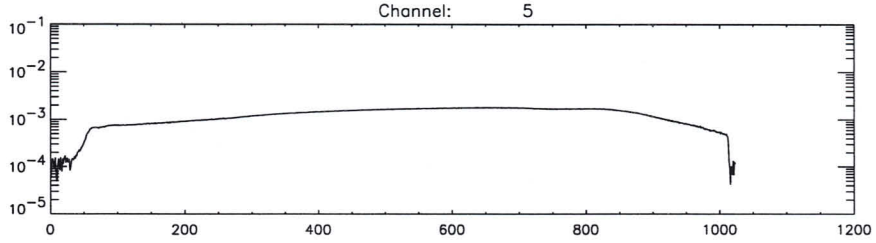
400
600
800
1000
1200


Channel: 5
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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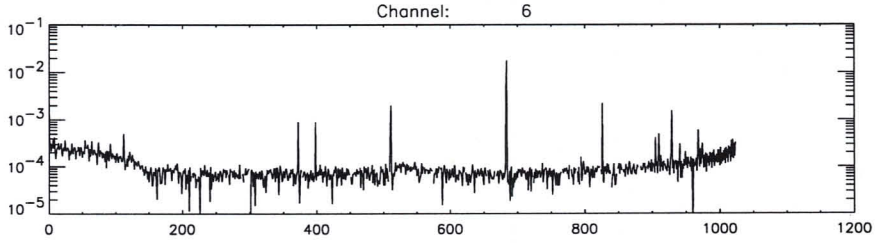
400
600
800
1000
1200


Channel: 6
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
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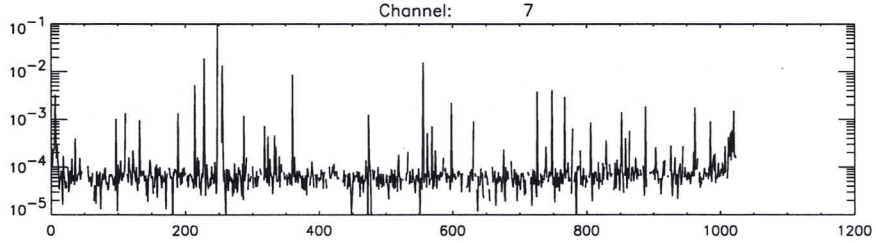
400
600
800
1000
1200


Channel: 7
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10^{-3}
10^{-4}
10^{-5}
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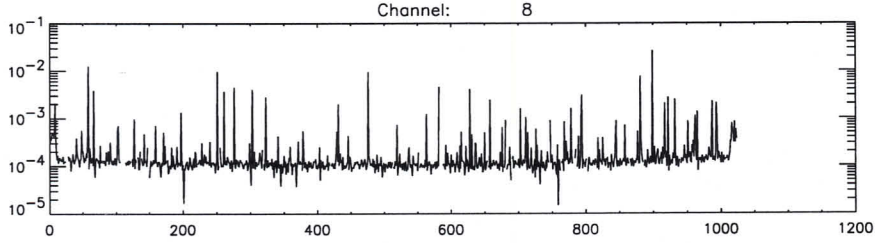
600
800
1000
1200


Channel: 8
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10^{-3}
10^{-4}
10^{-5}
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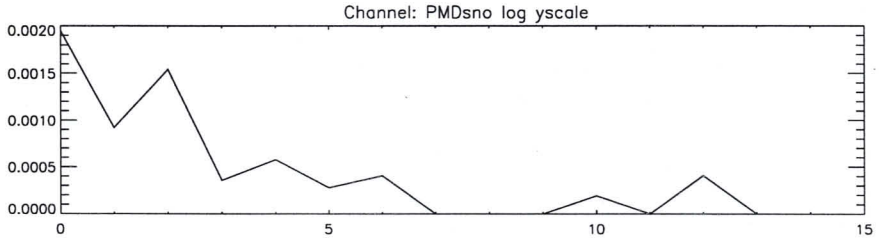
400
600
800
1000
1200


Channel: PMDsno log yscale
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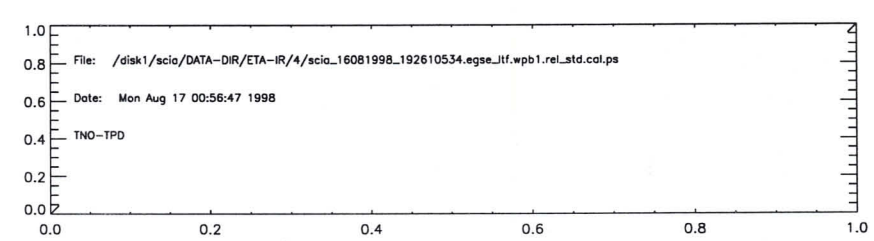
0.0005
0.0000
0
5
10
15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Date: Mon Aug 17 00:56:47 1998
TNO-TPD
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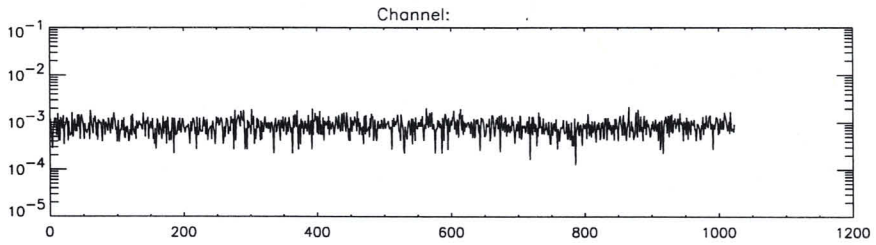
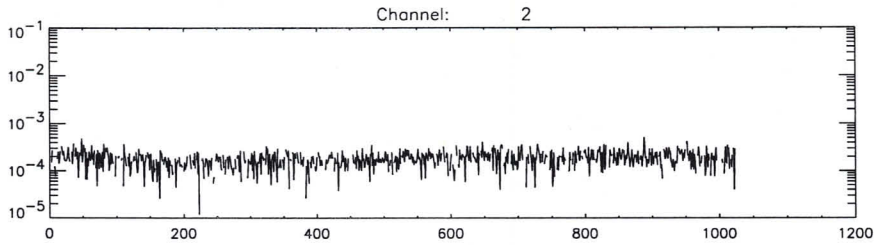
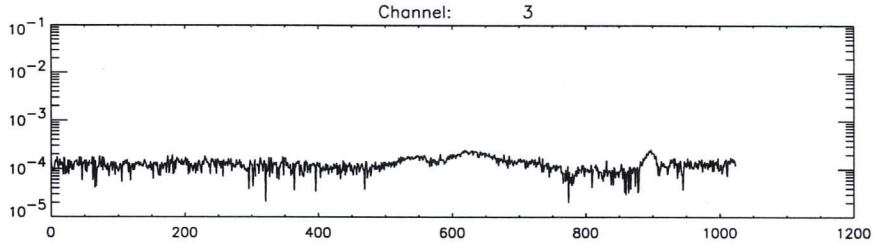
0.2
0.4
0.6
0.8
1.0


Channel:


Channel: 2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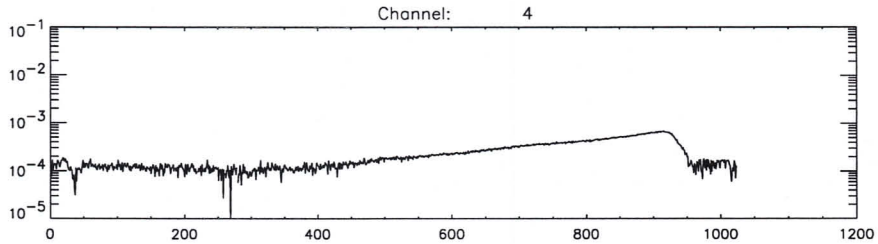
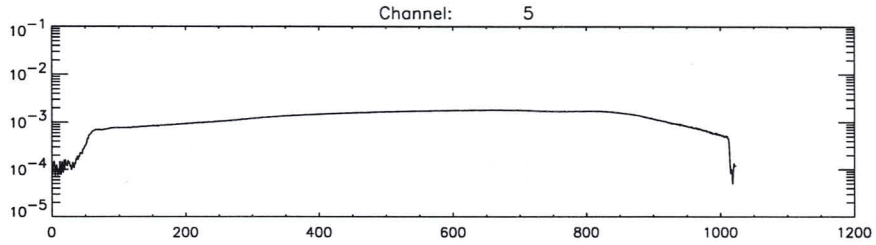
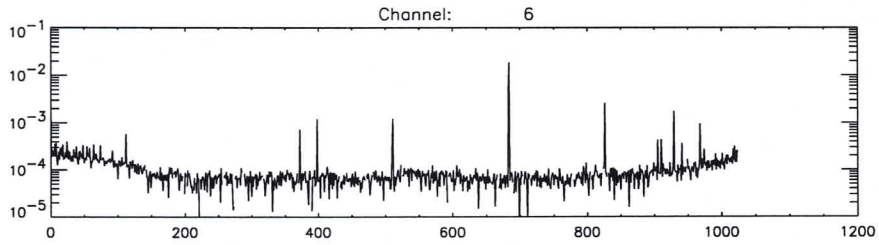

Channel: 4


Channel: 5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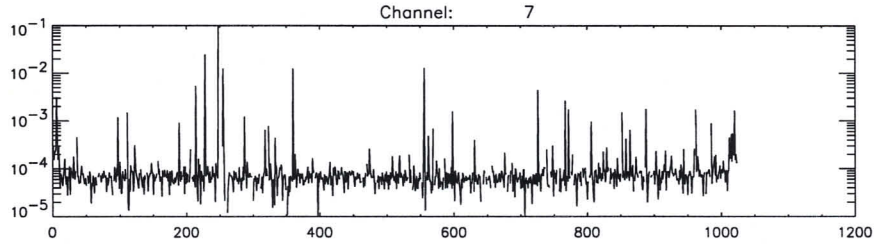
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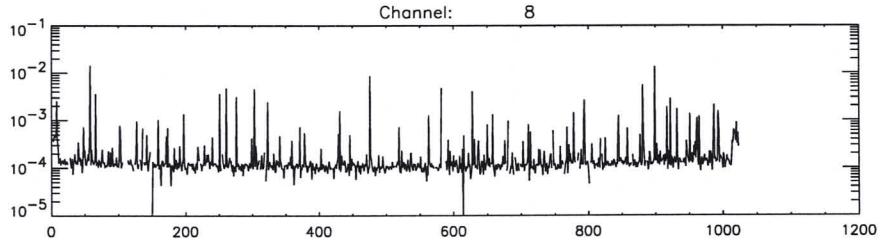
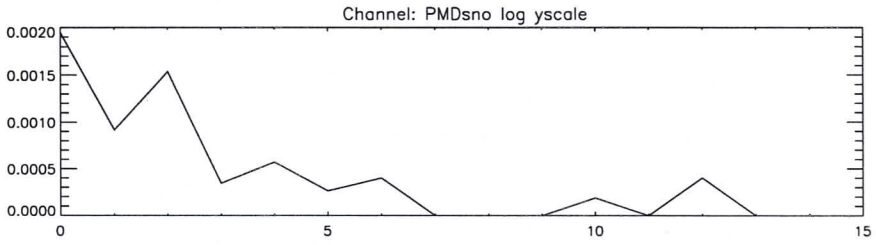
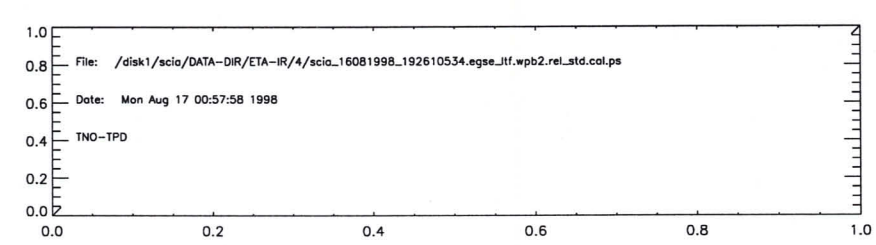

Channel: 8


Channel: PMDsno log yscale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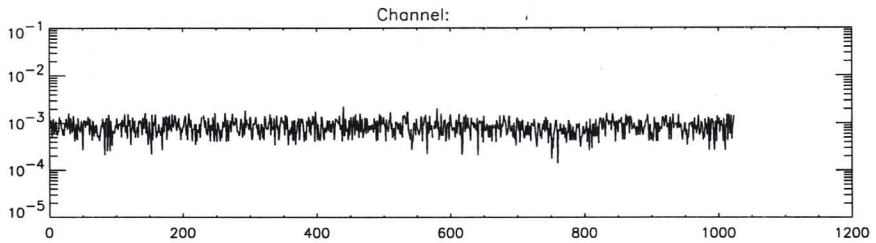
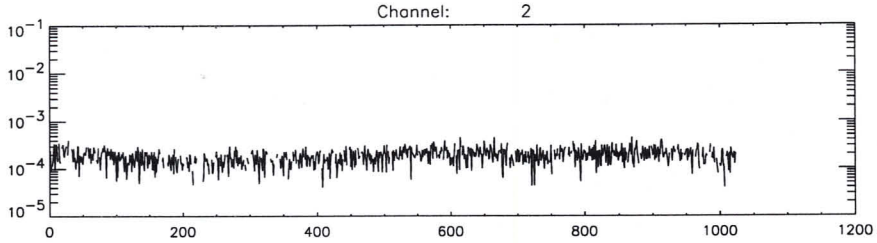
Date: Mon Aug 17 00:57:58 1998
TNO-TPD


Channel: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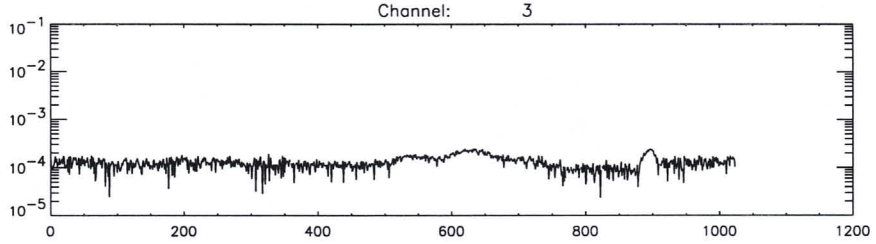
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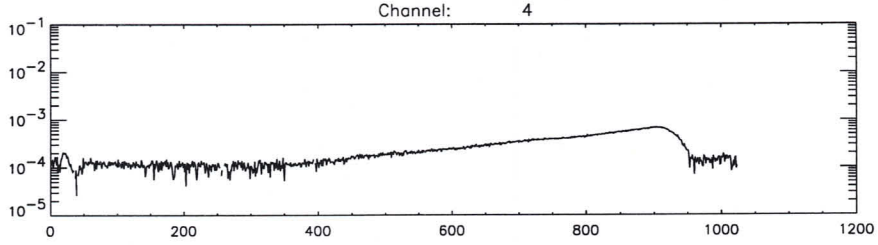
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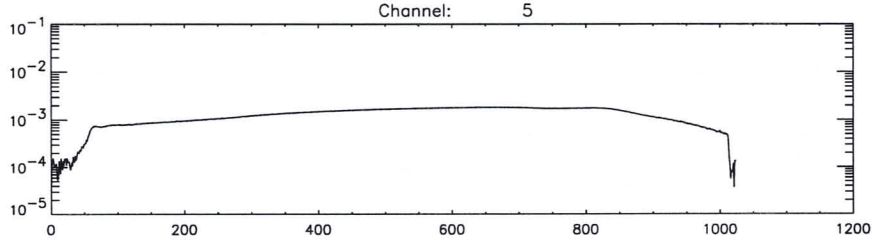
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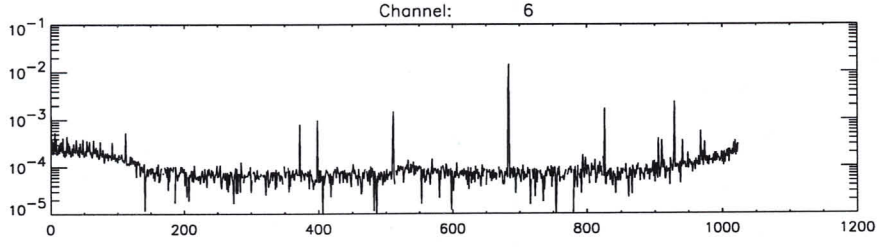
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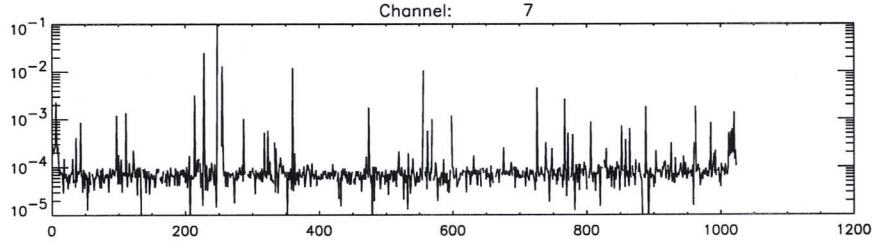
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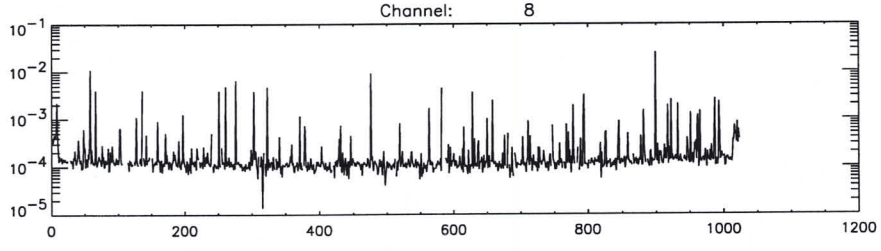
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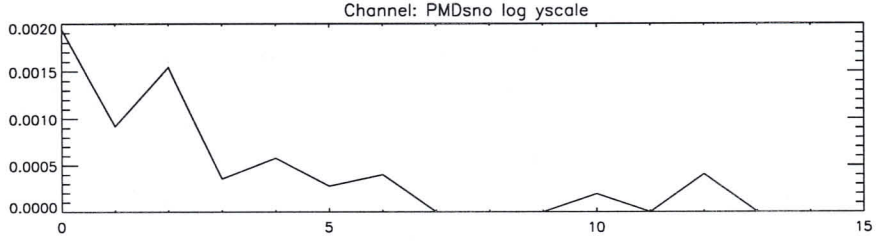
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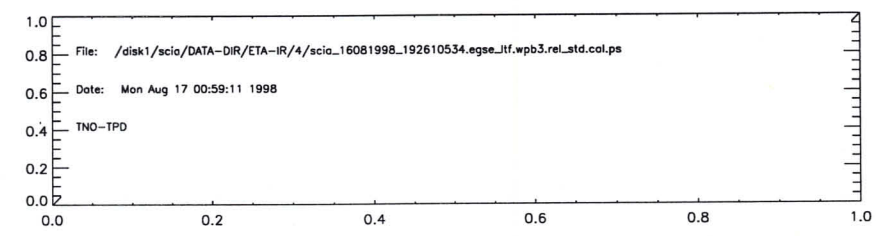
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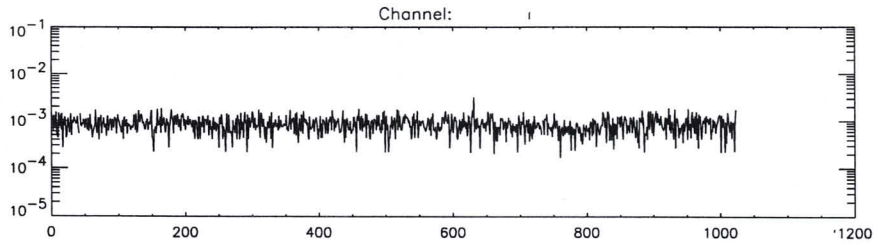
Date: Mon Aug 17 00:59:11 1998
TNO-TPD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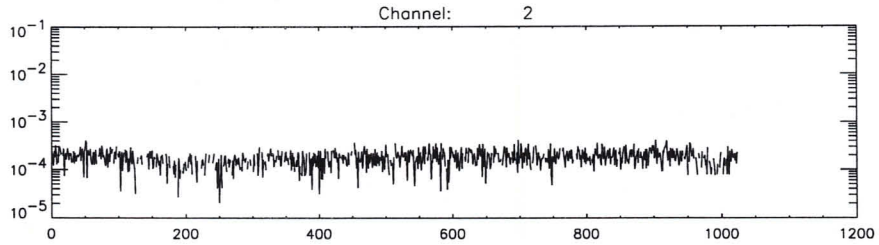
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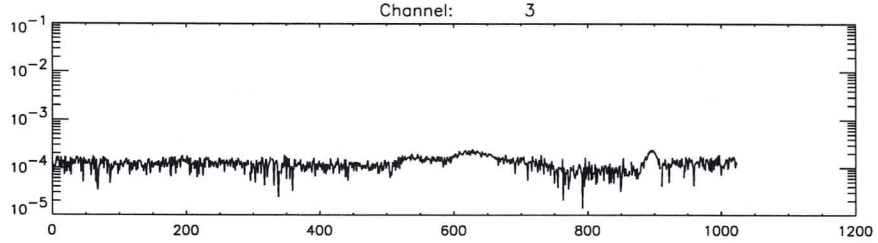
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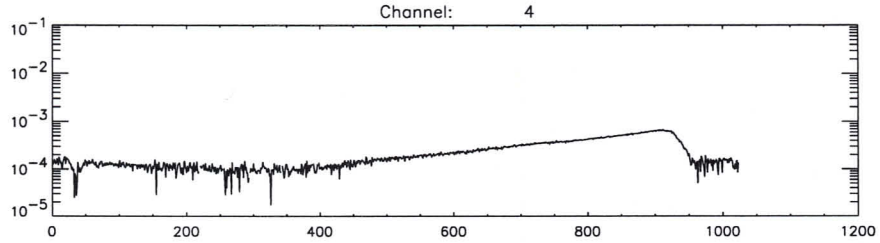
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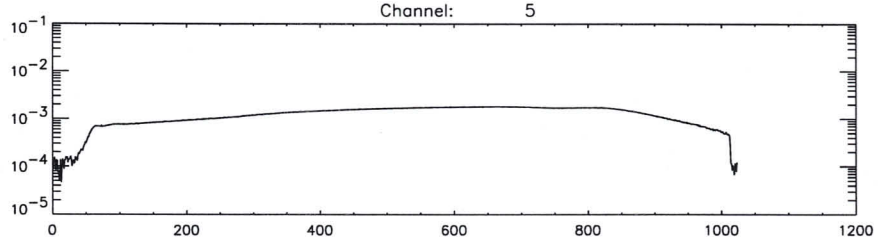
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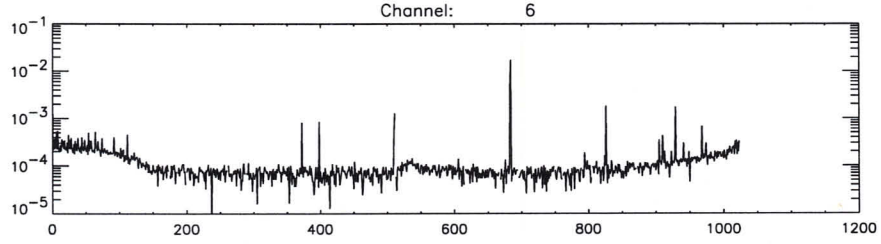
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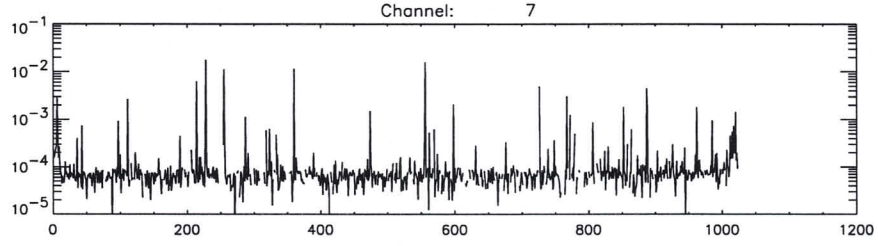
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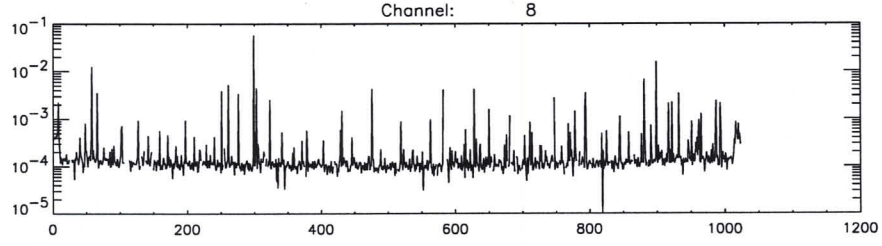
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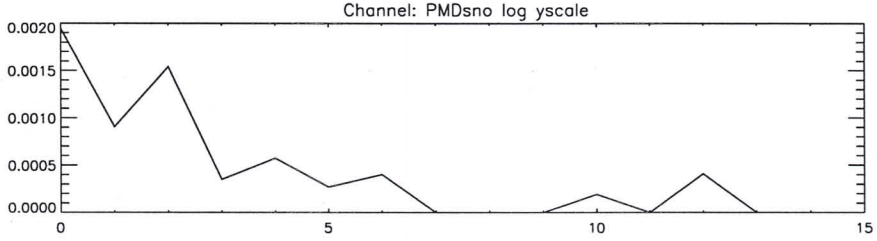
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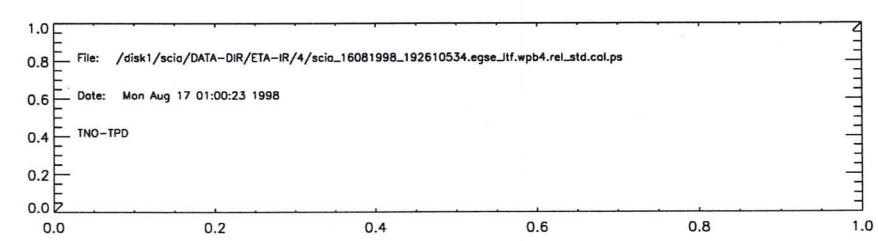
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Date: Mon Aug 17 01:00:23 1998
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0.4
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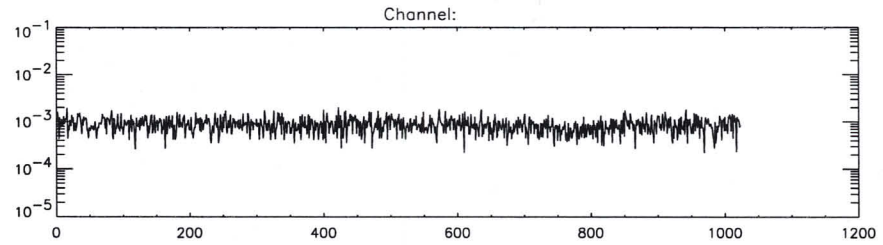
0.8
1.0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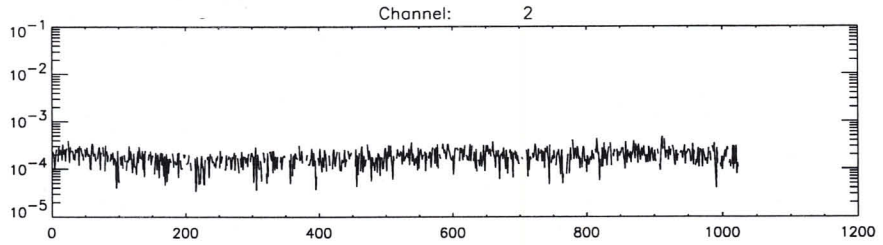
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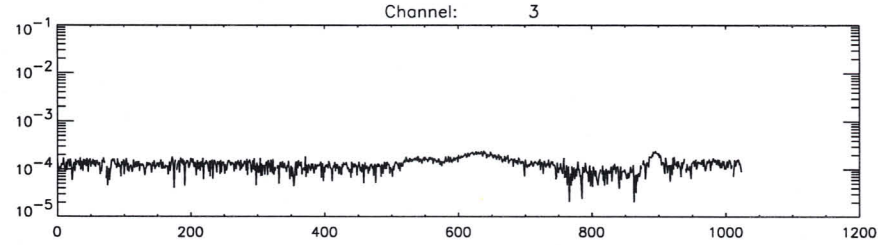
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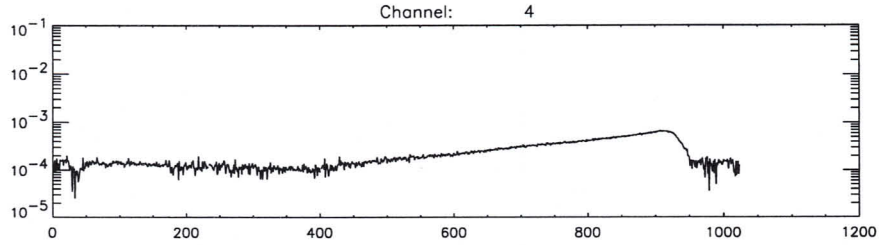
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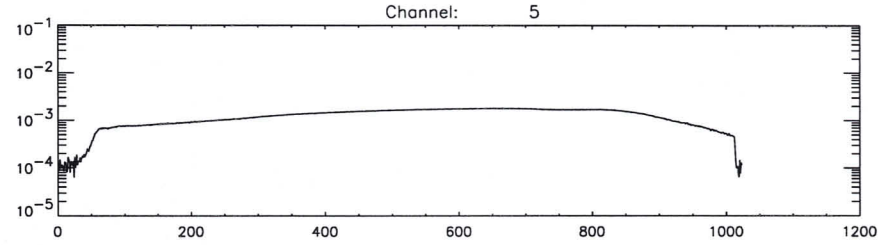
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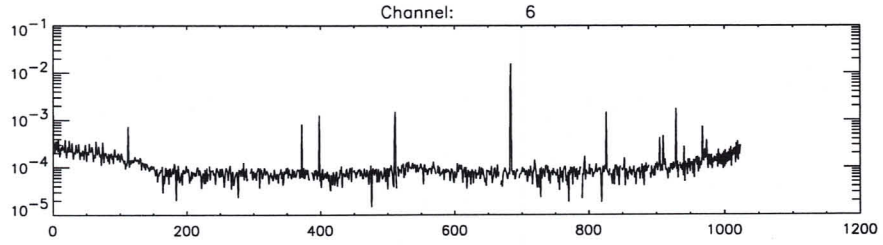
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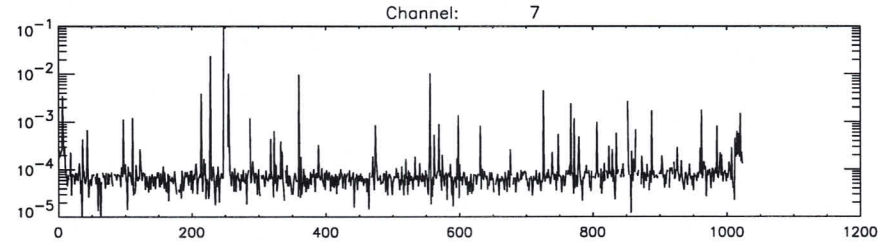
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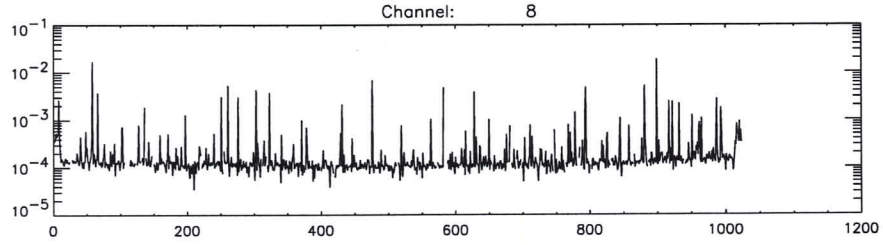
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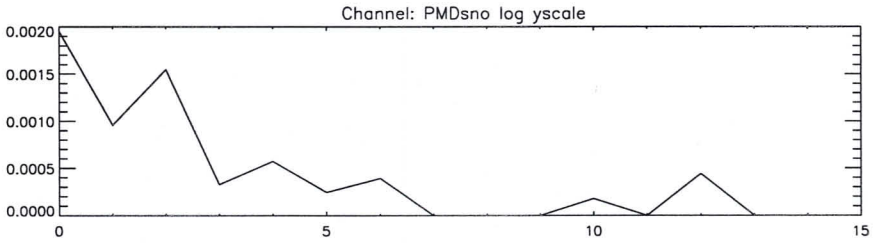
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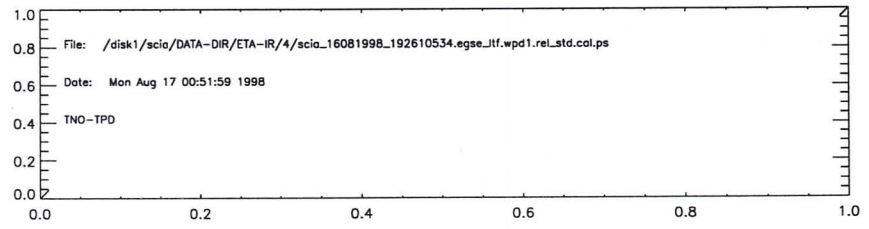
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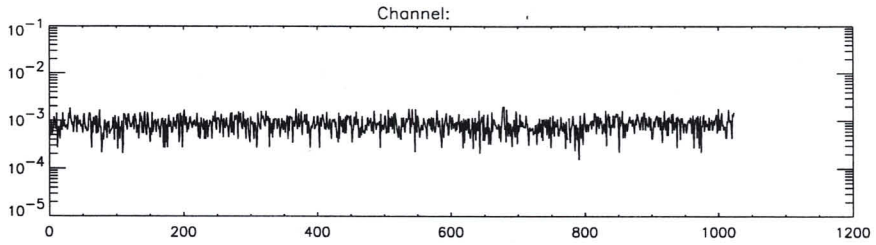
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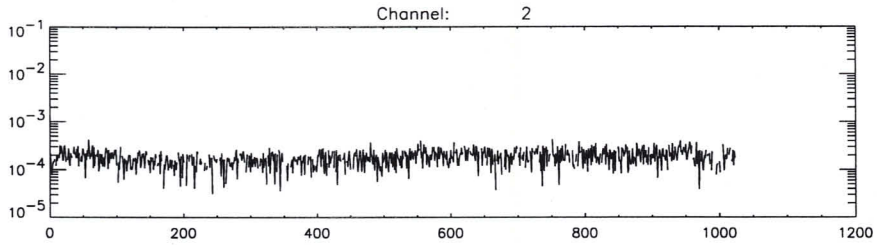
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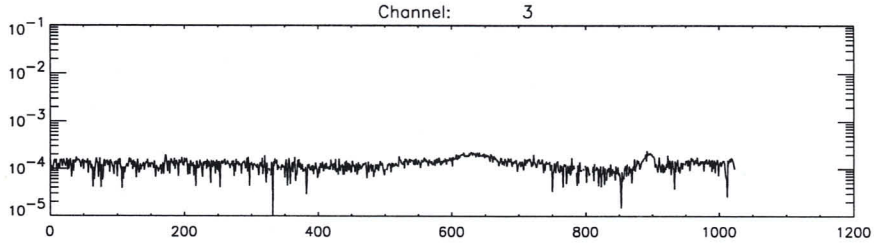
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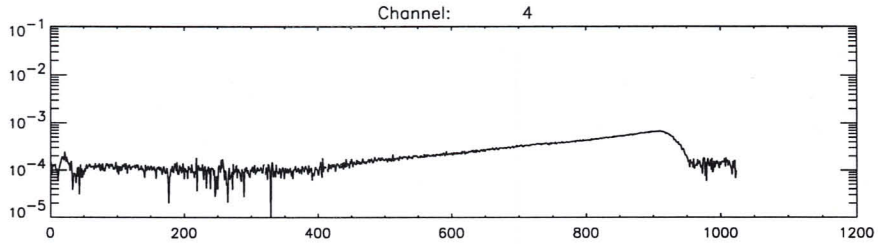
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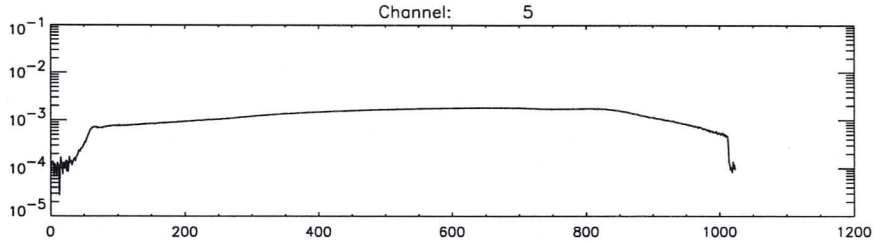
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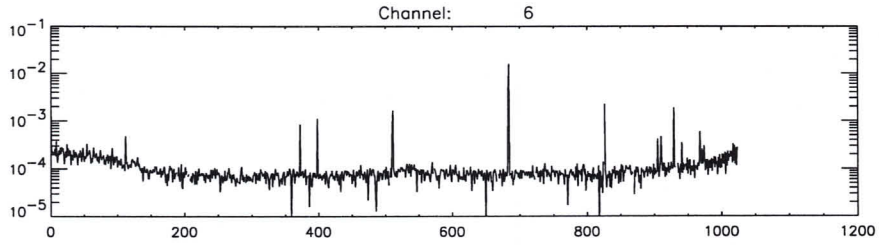
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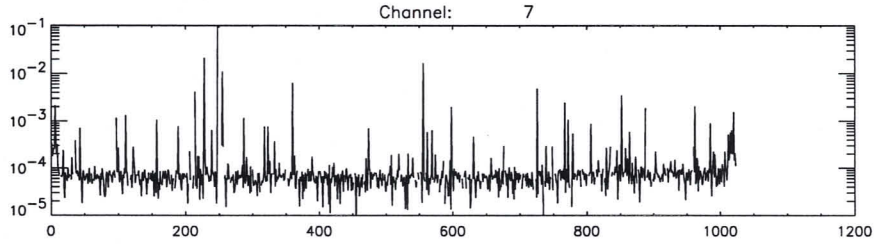
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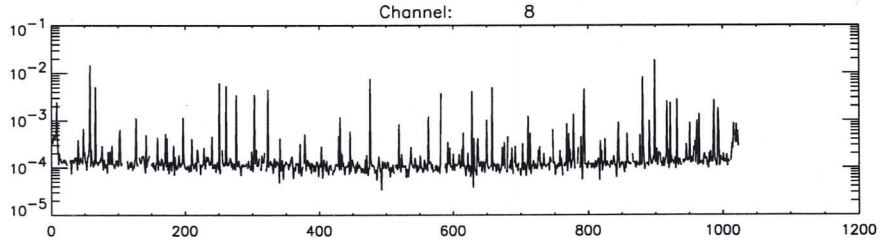
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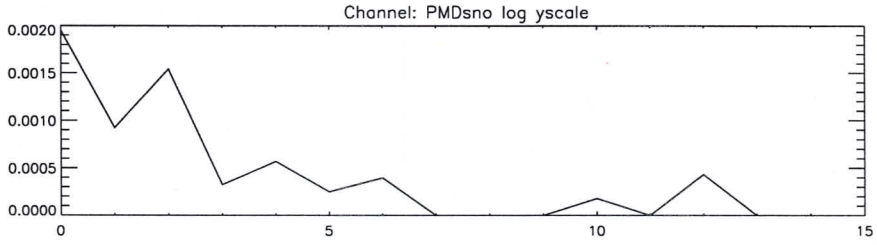
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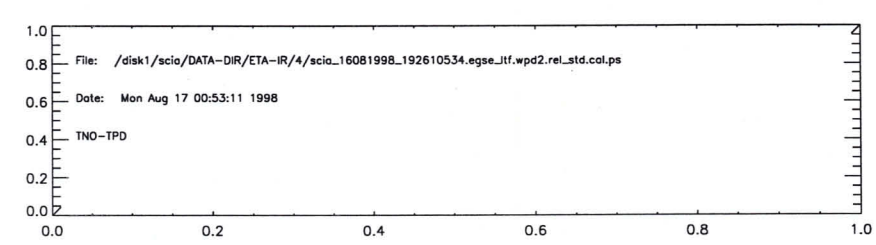
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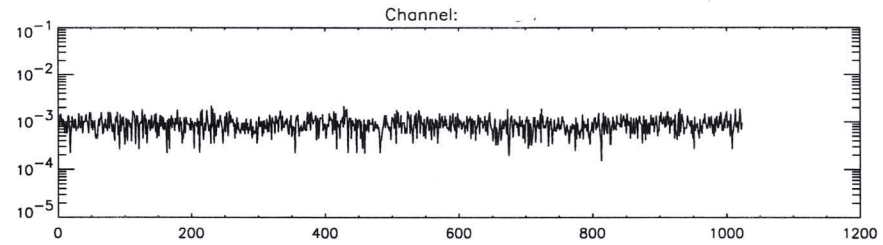
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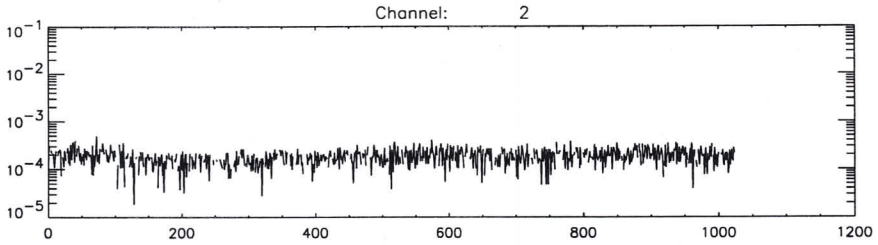
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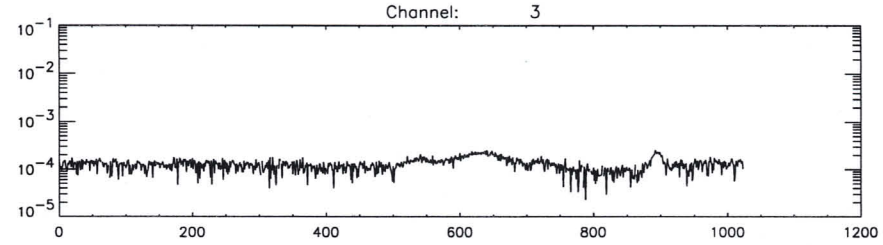
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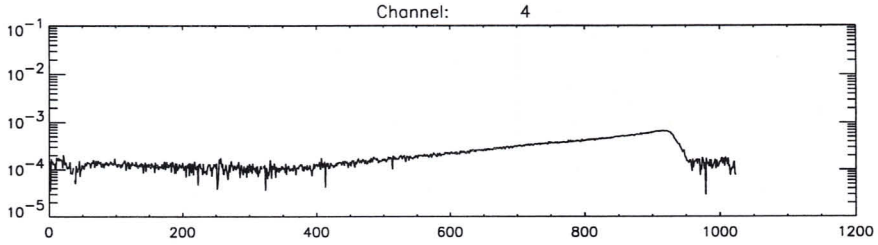
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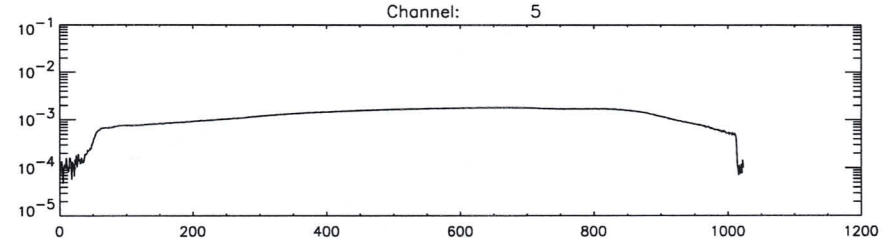
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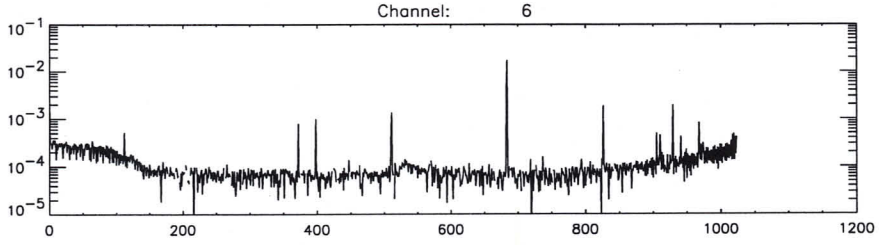
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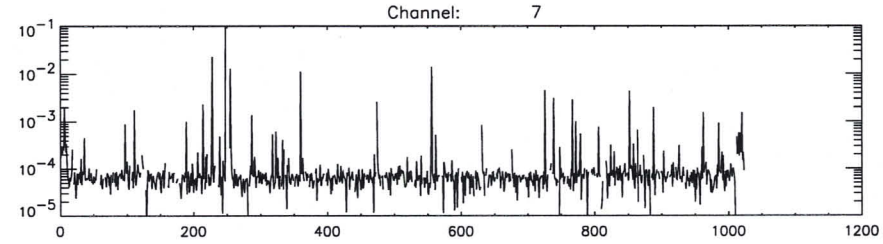
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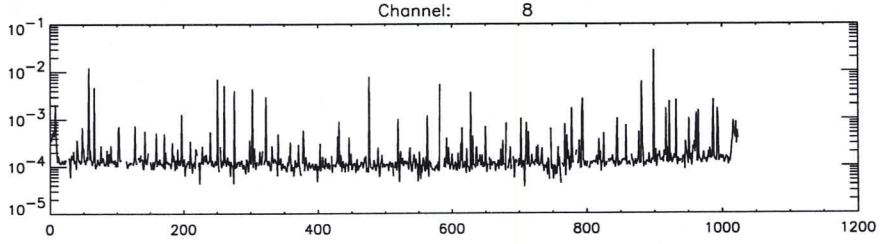
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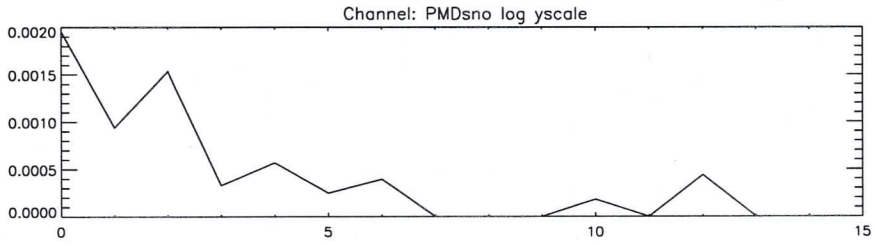
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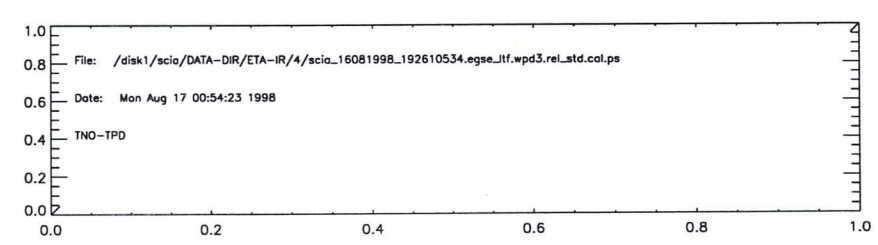
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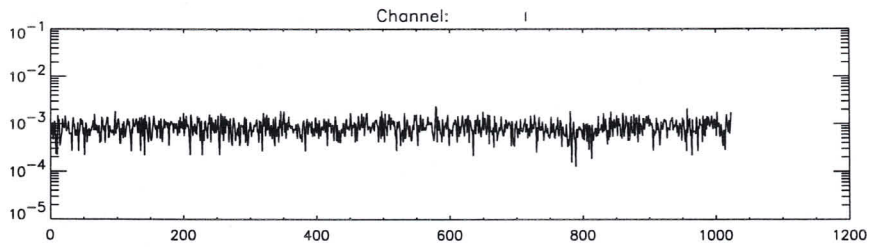
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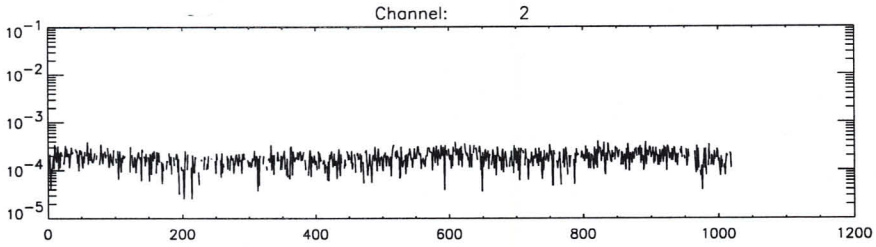
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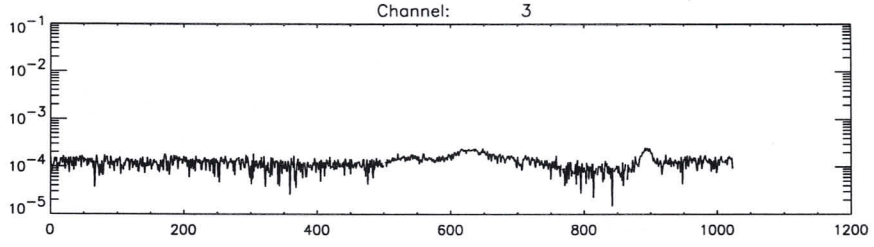
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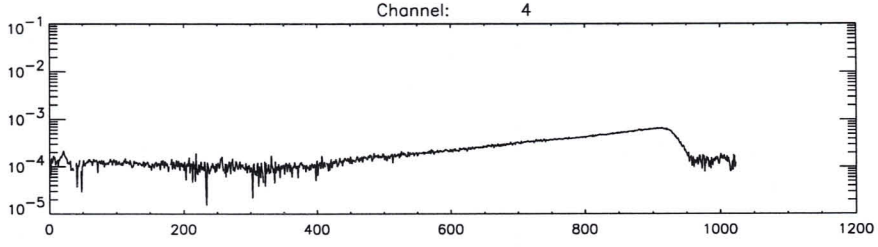
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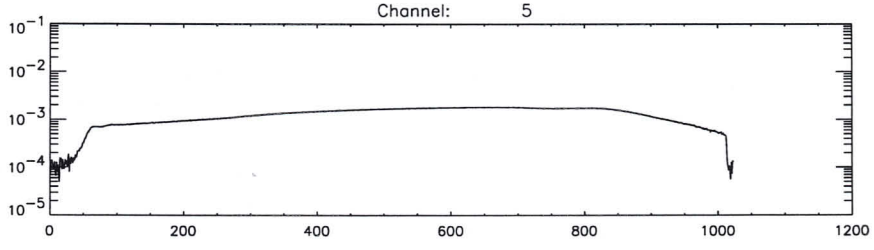
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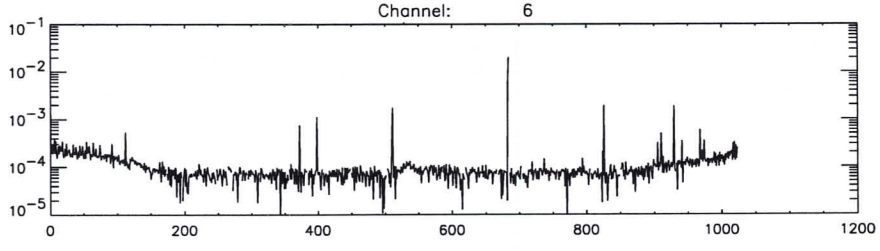
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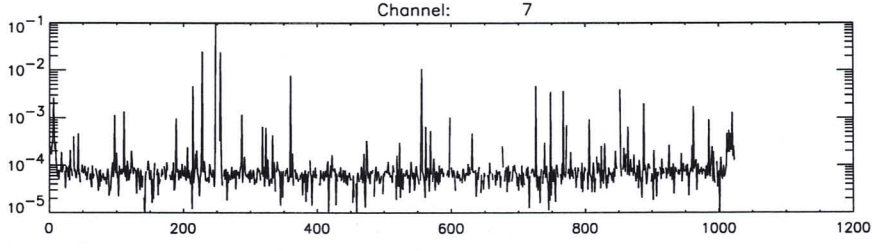
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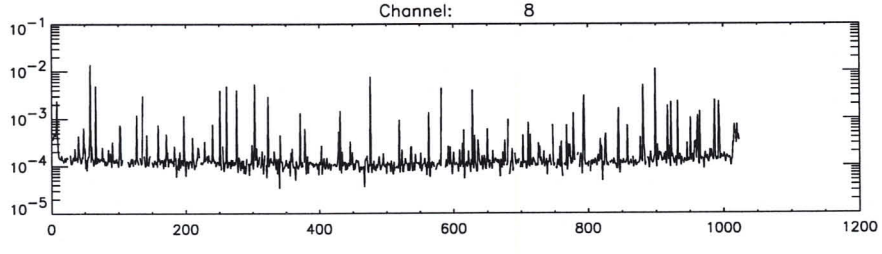
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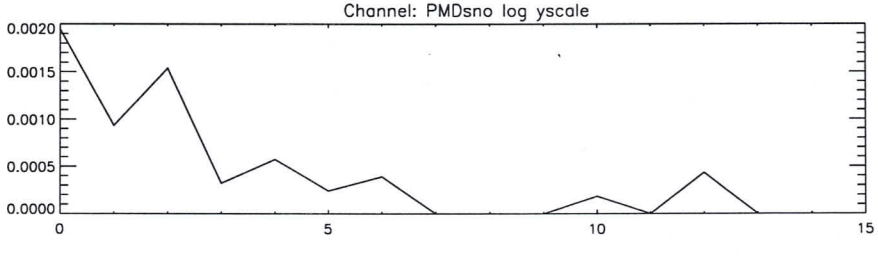
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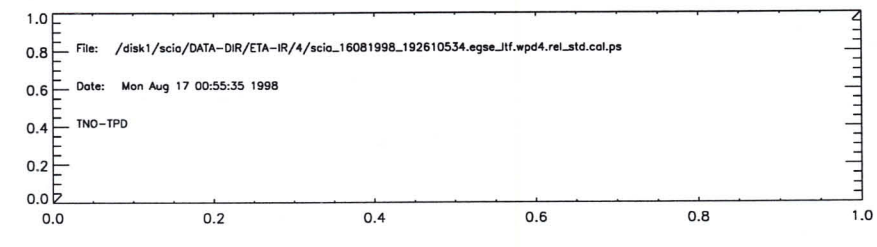
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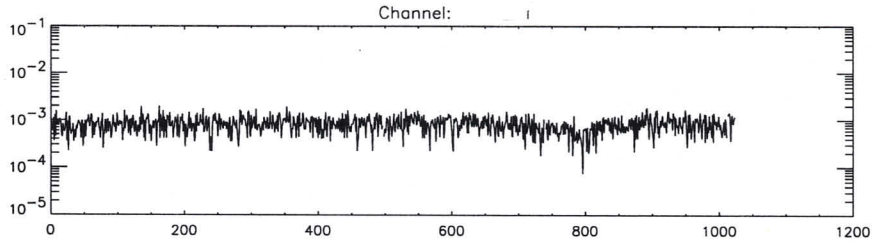
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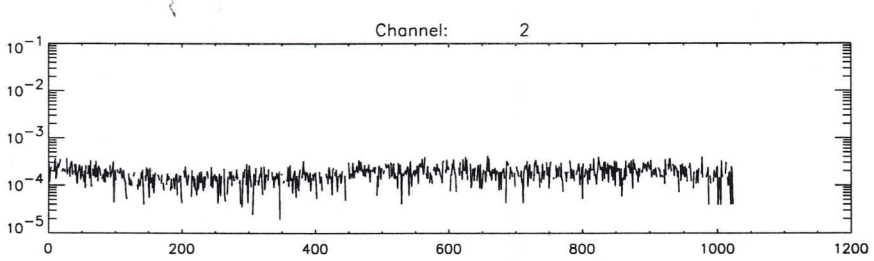
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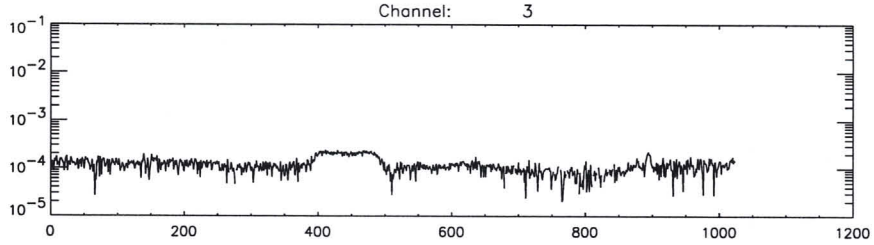
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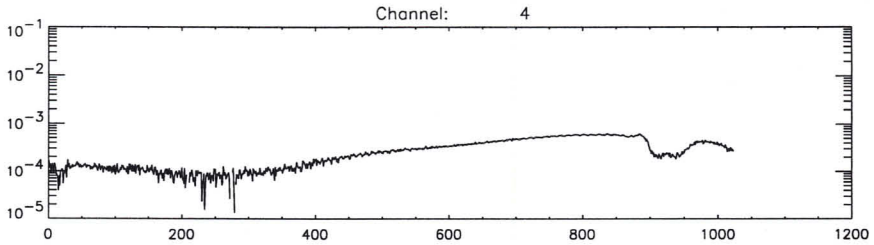
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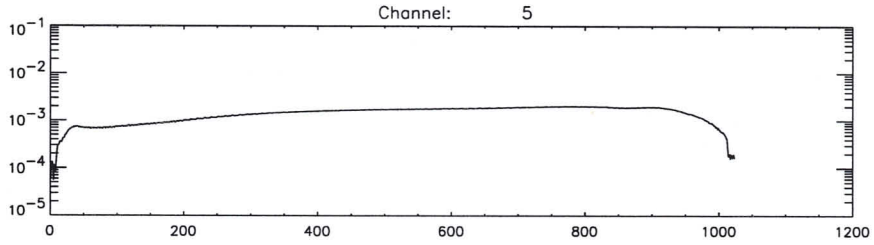
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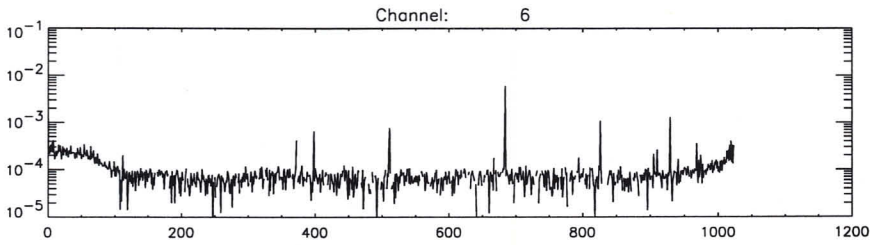
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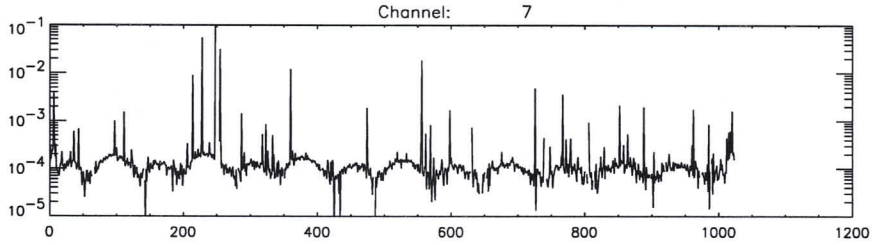
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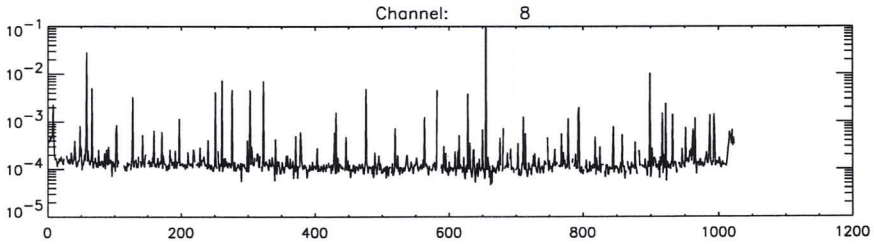
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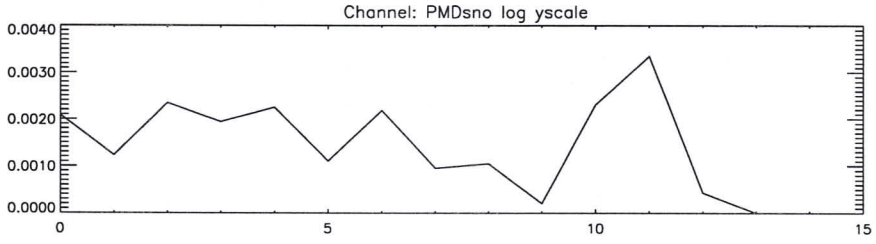
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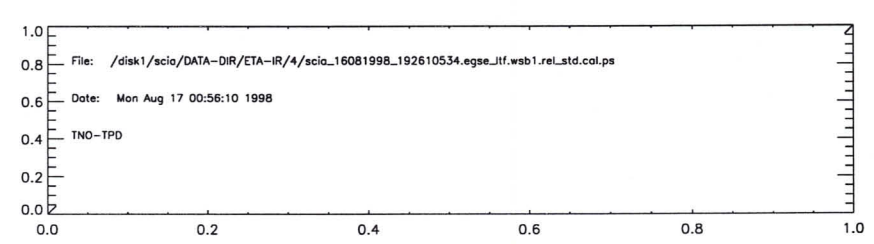
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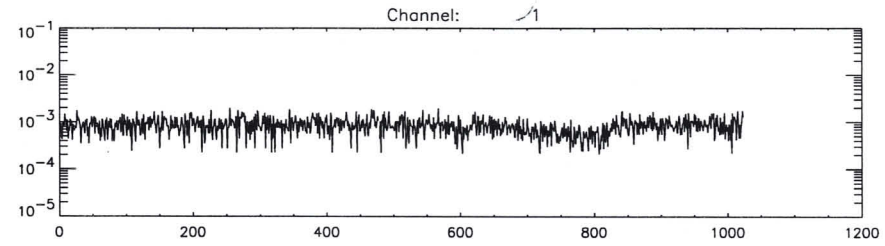
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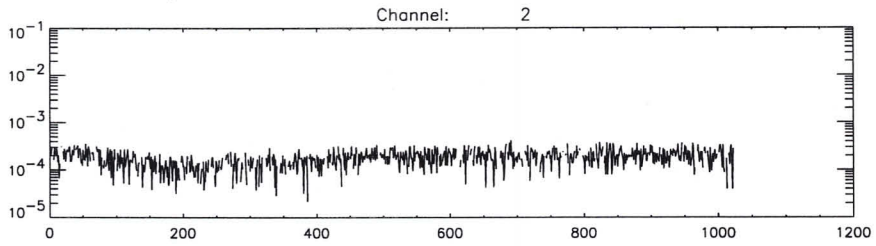
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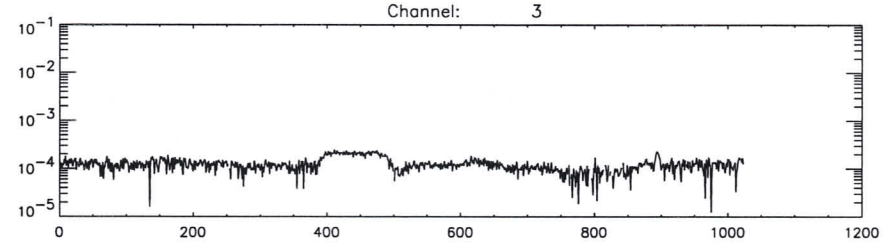
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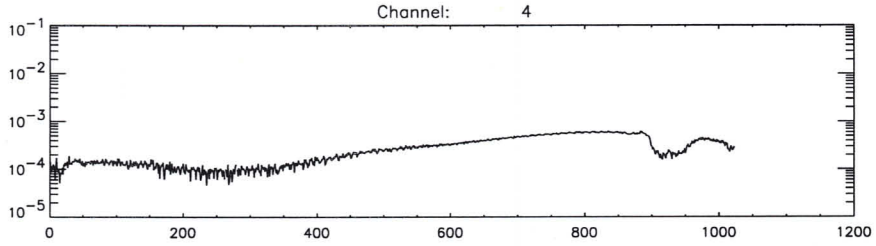
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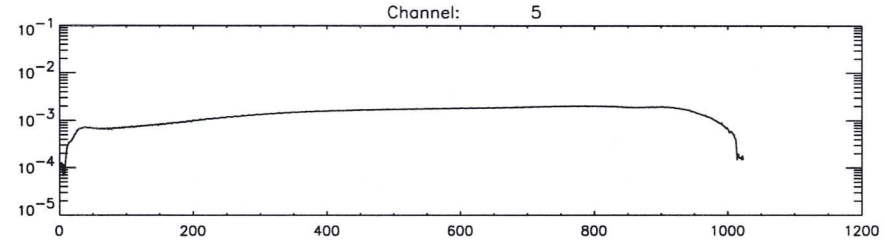
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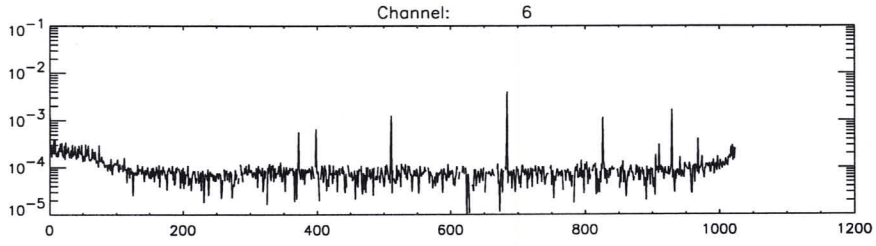
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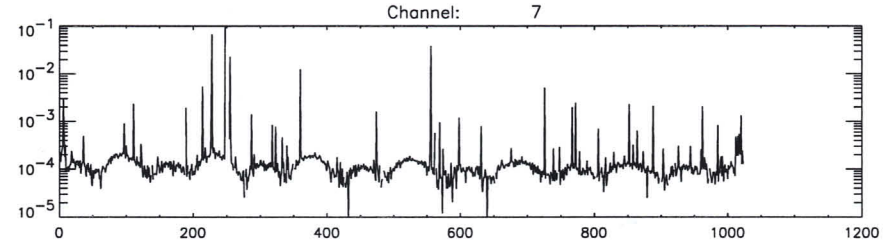
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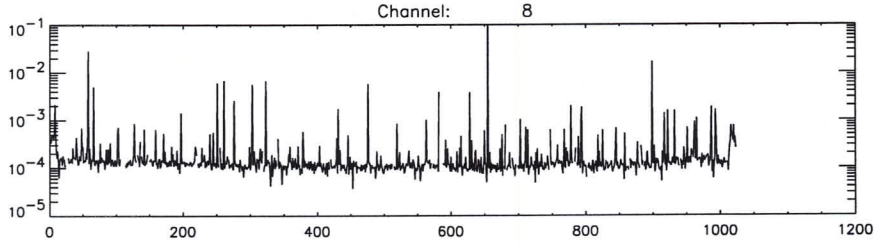
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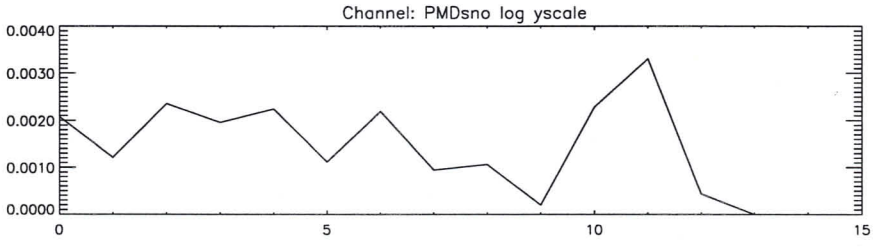
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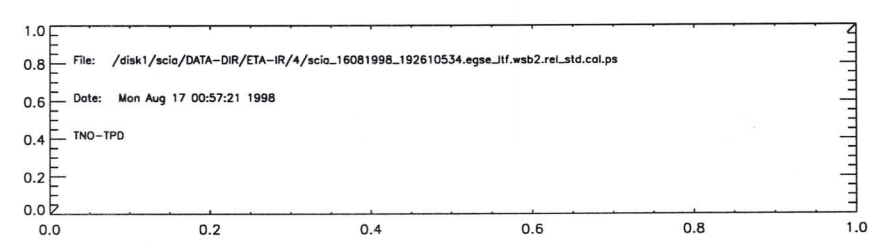
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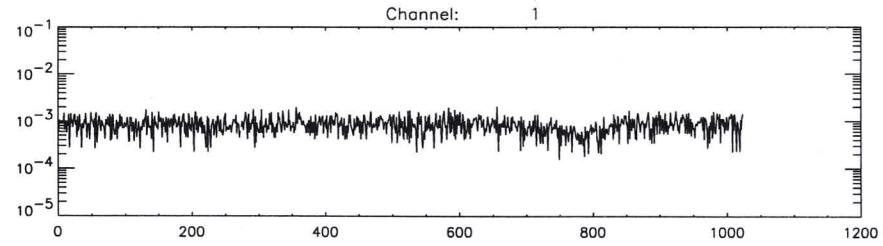
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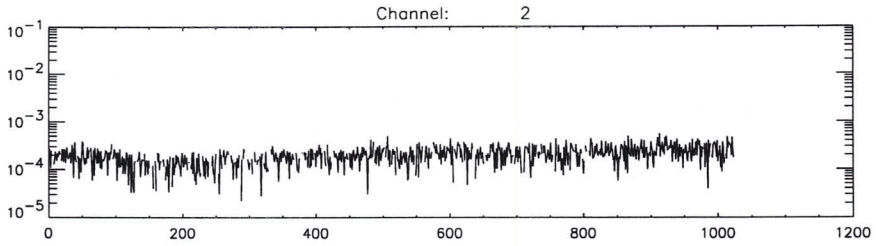
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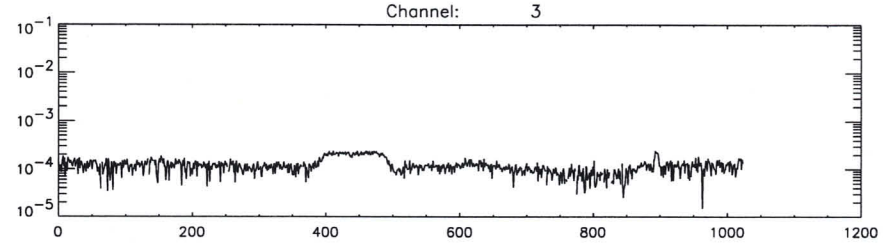
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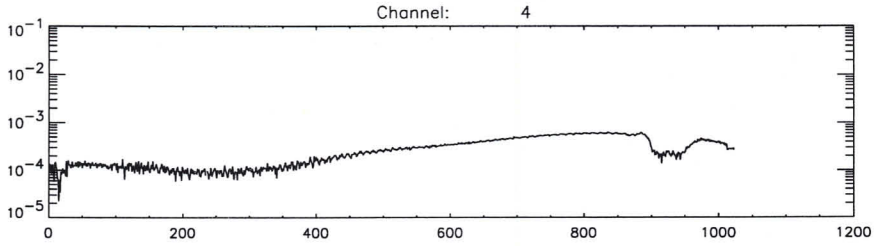
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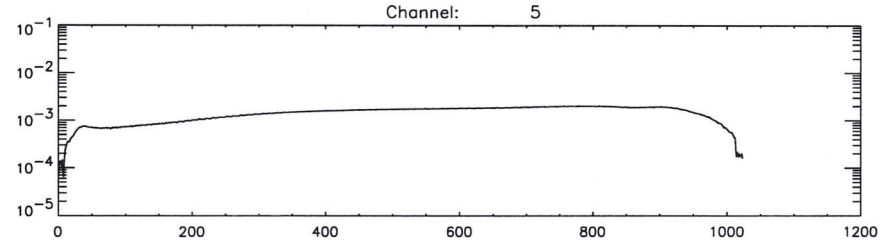
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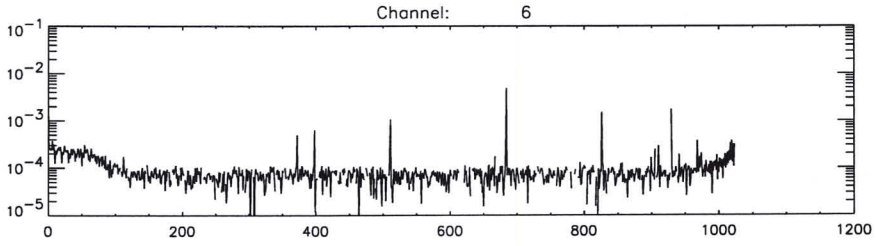
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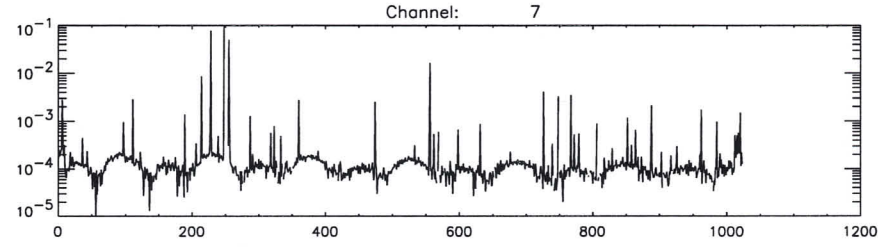
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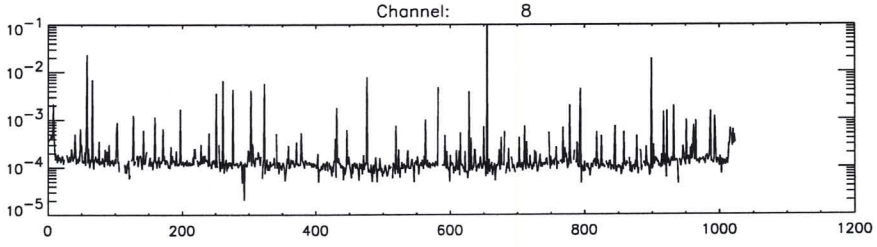
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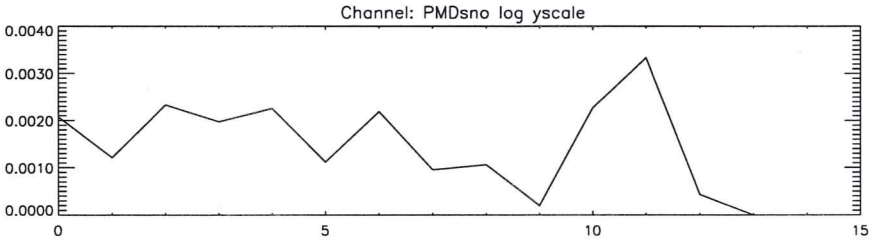
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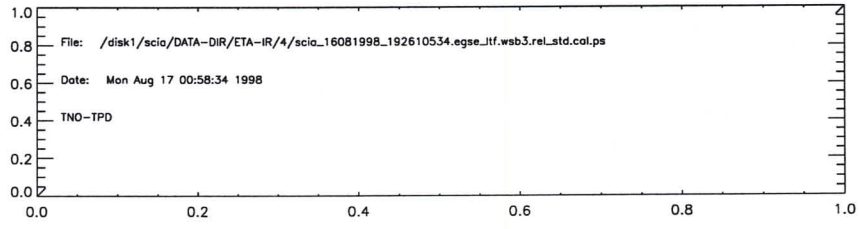
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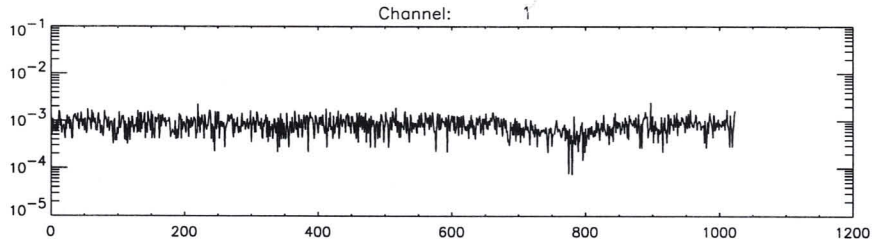
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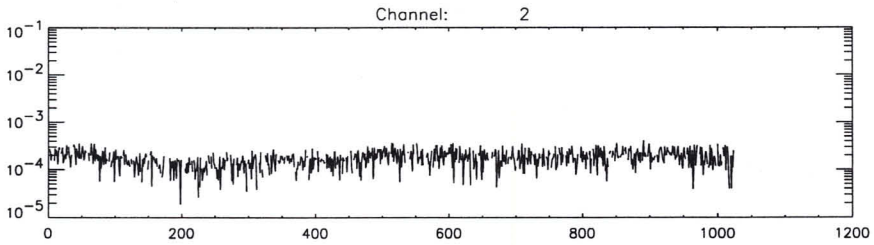
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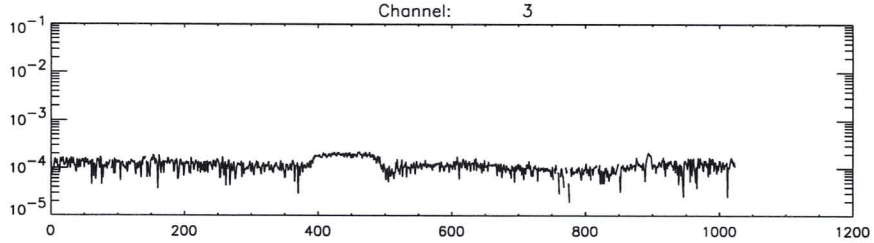
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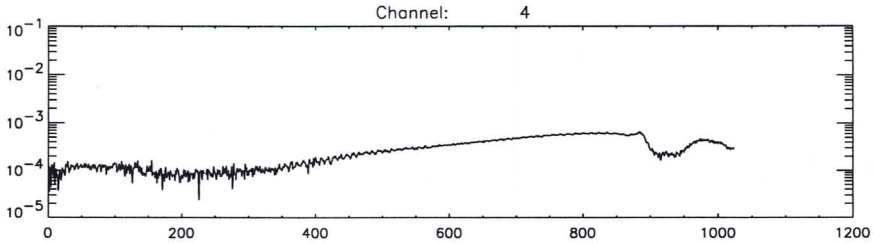
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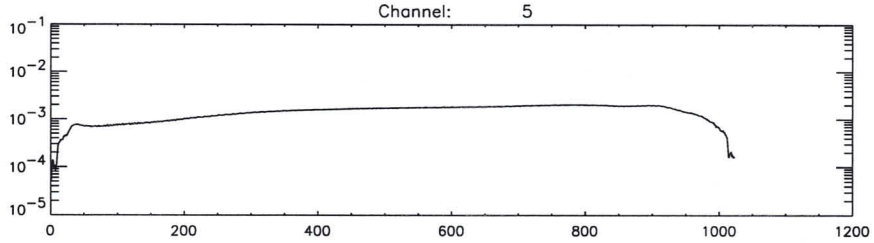
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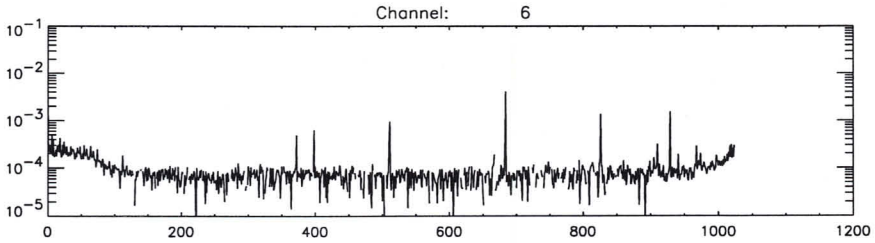
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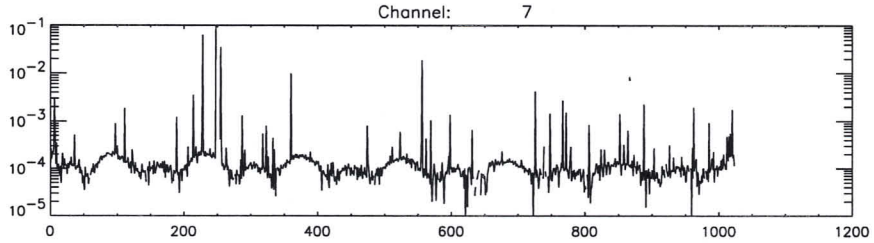
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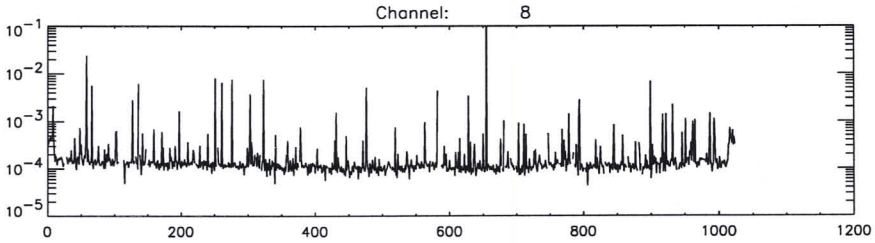
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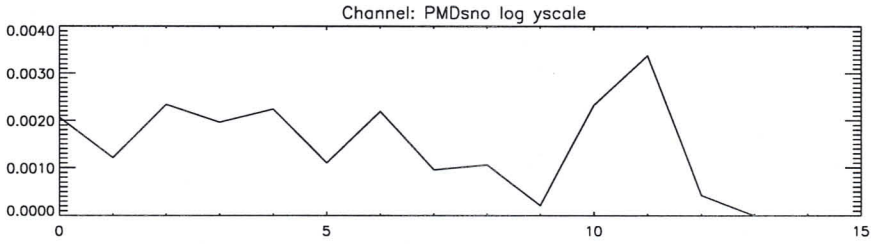
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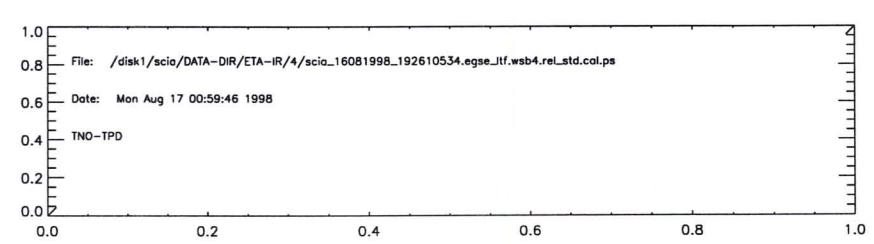
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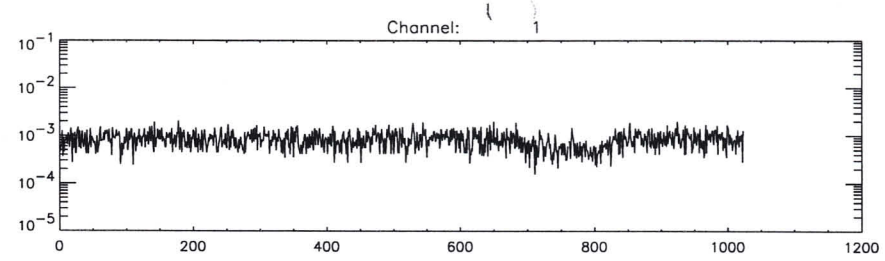
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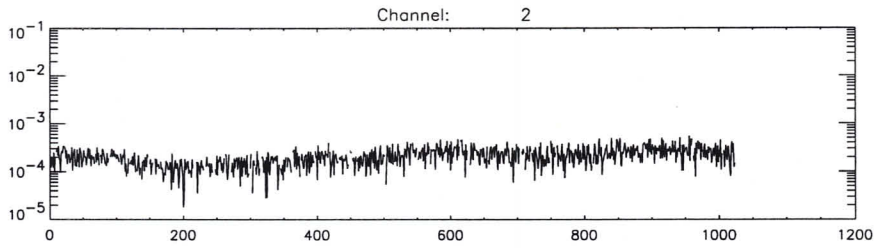
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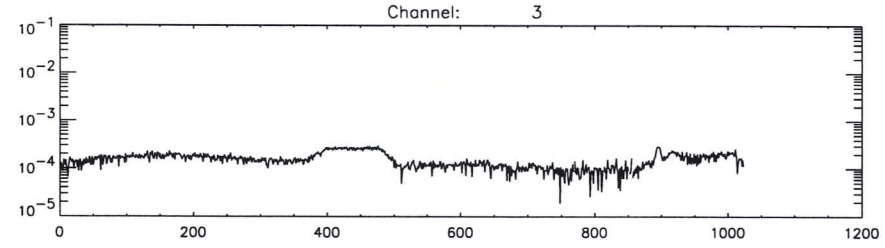
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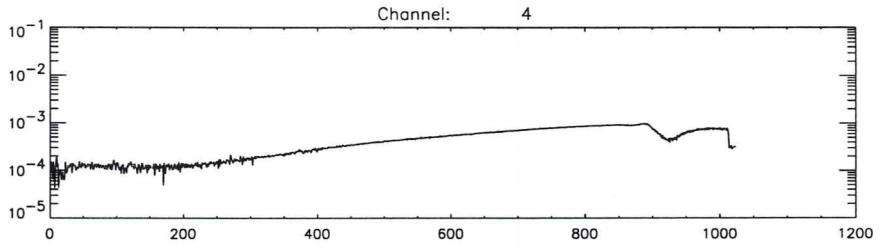
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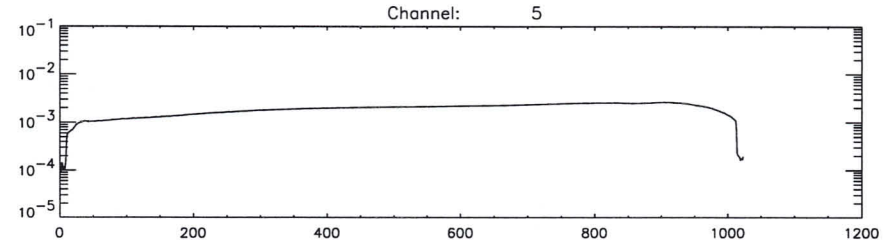
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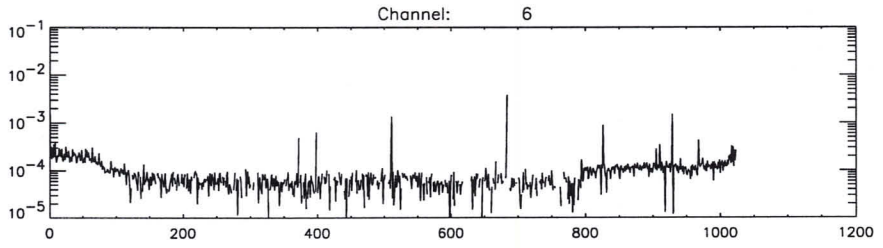
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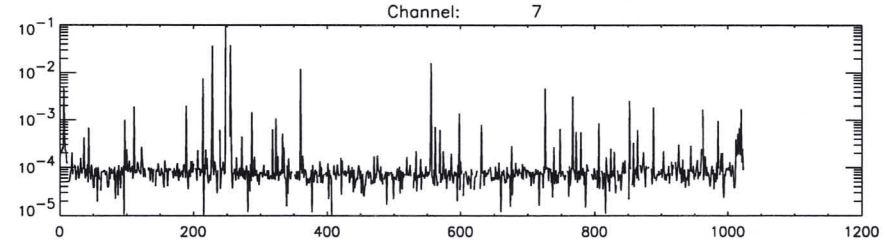
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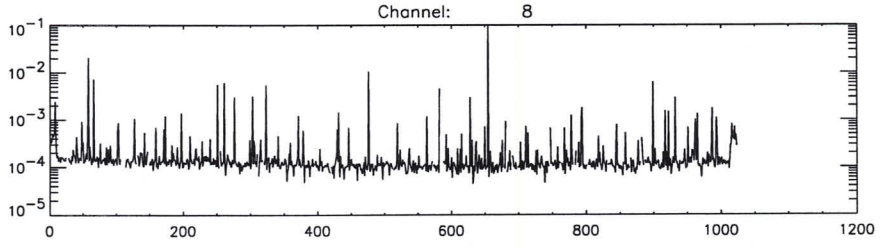
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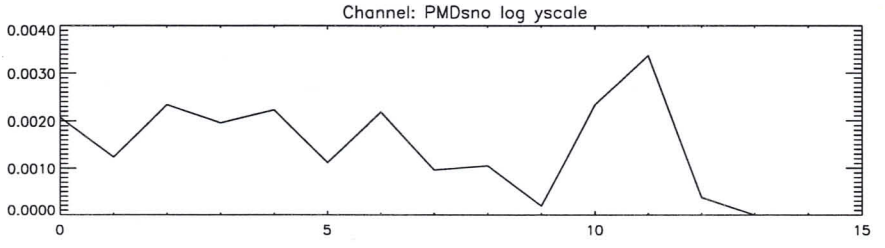
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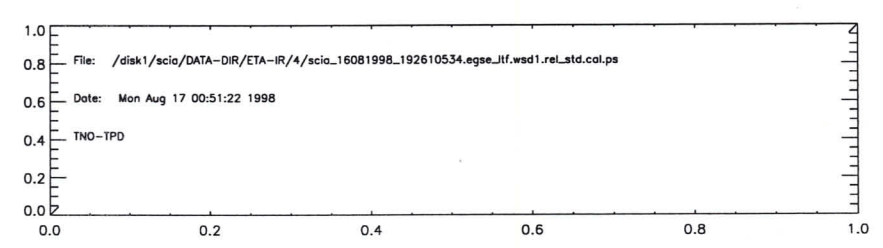
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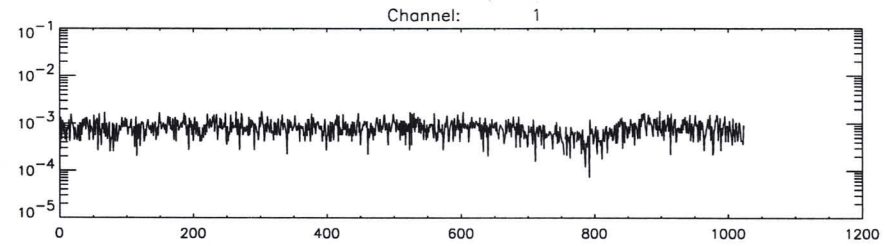
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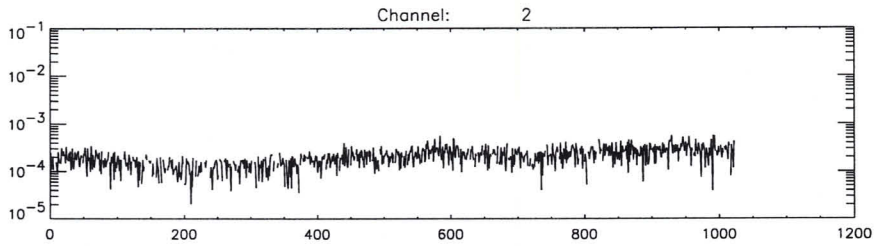
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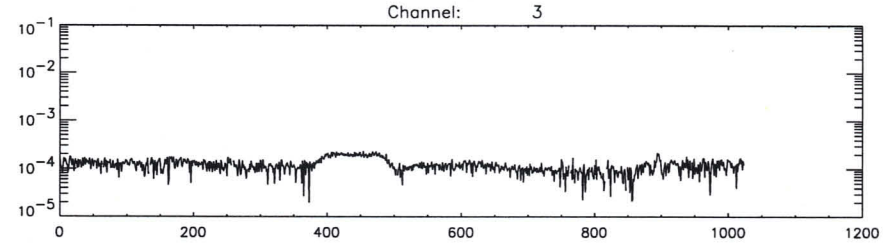
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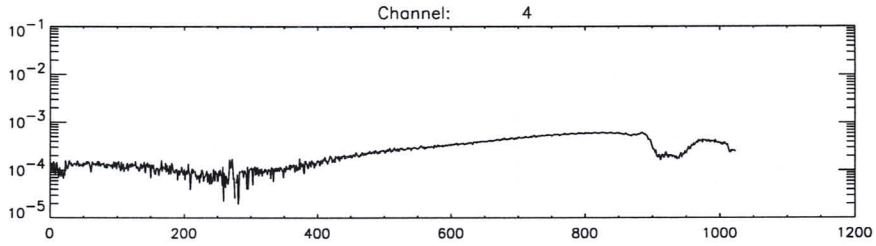
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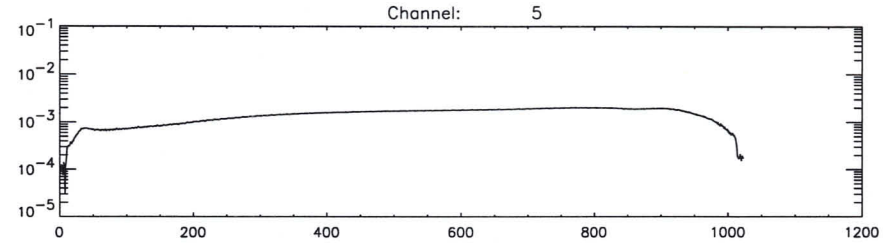
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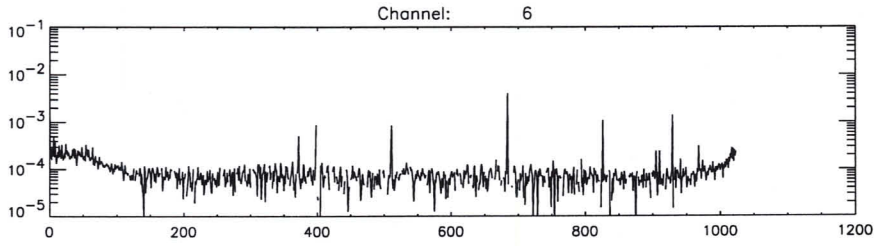
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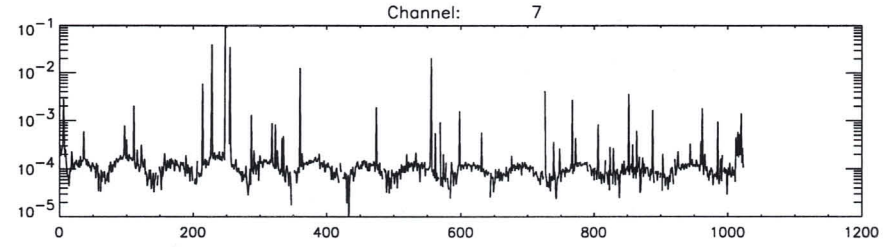
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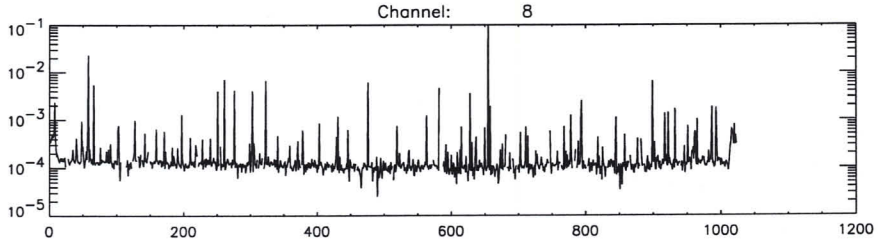
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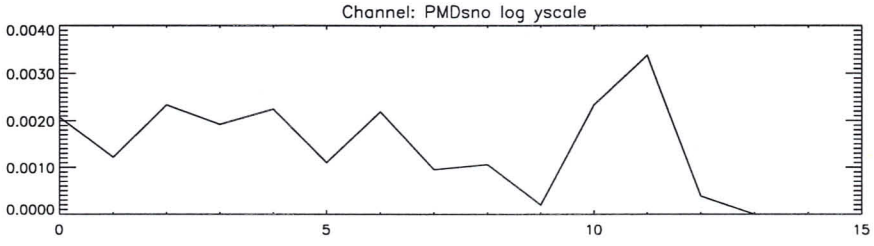
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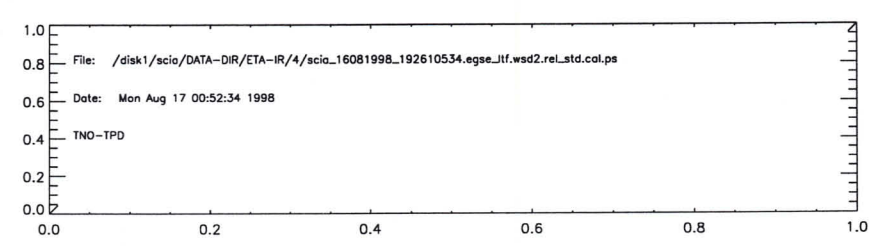
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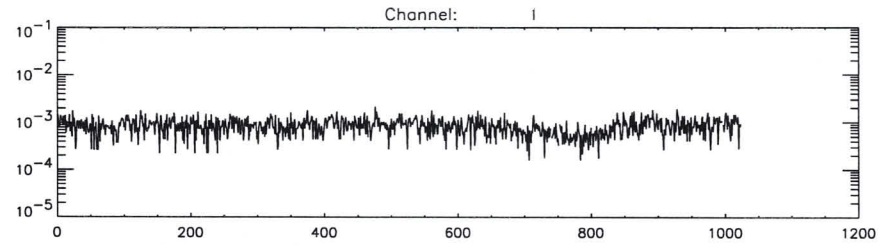
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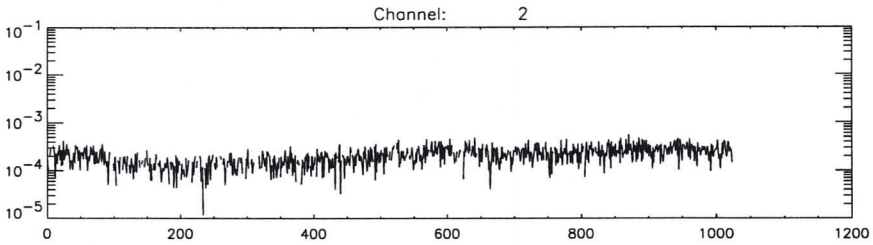
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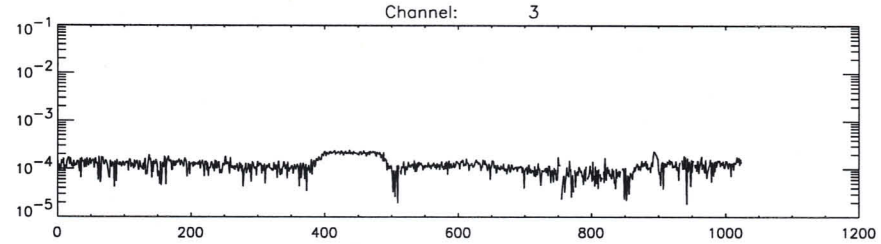
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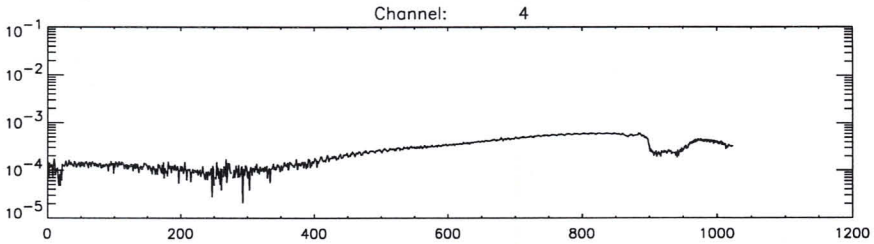
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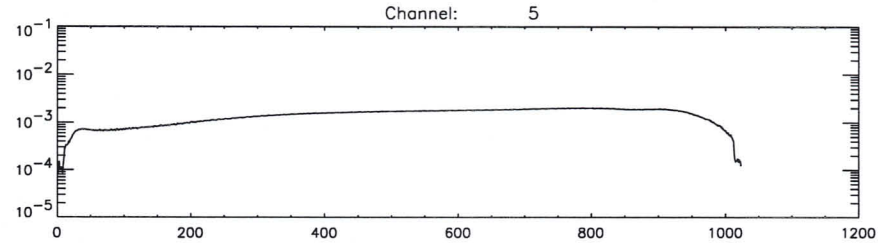
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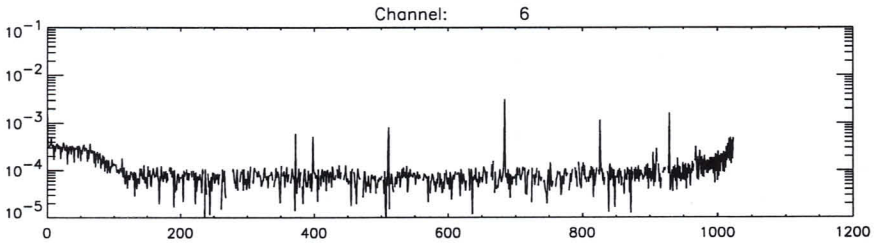
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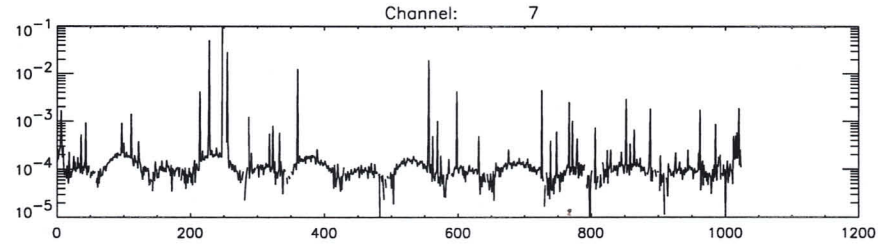
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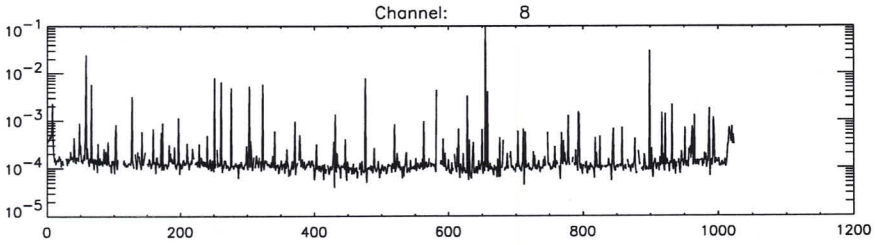
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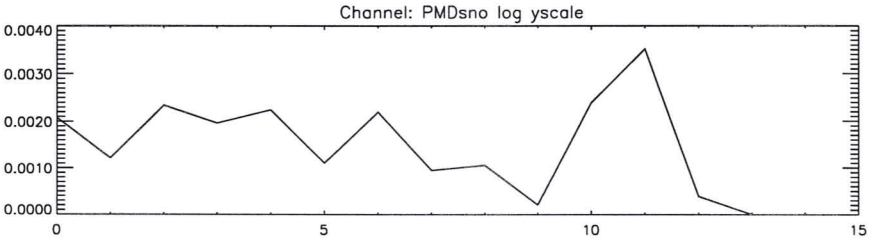
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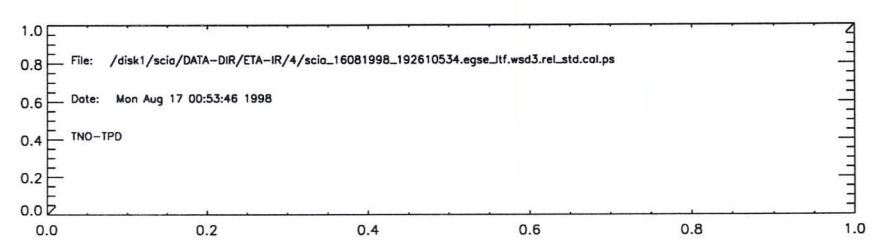
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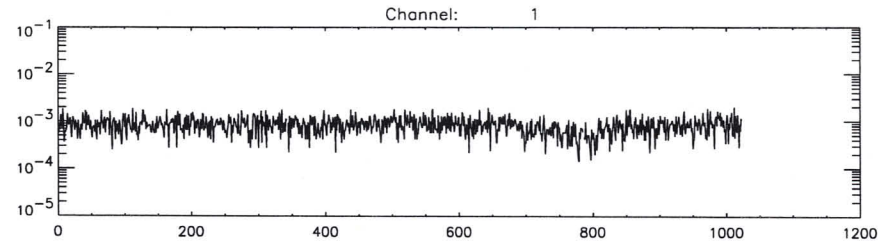
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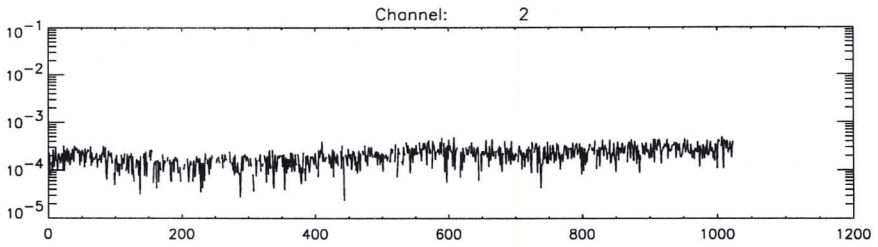
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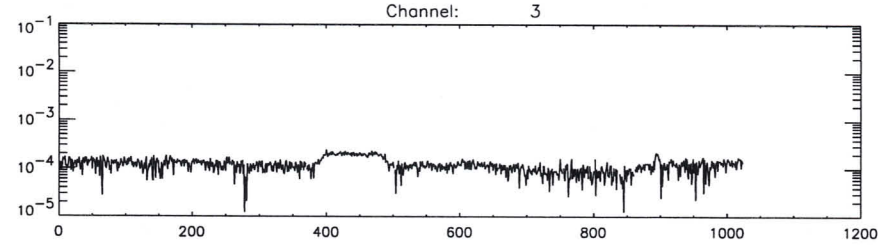
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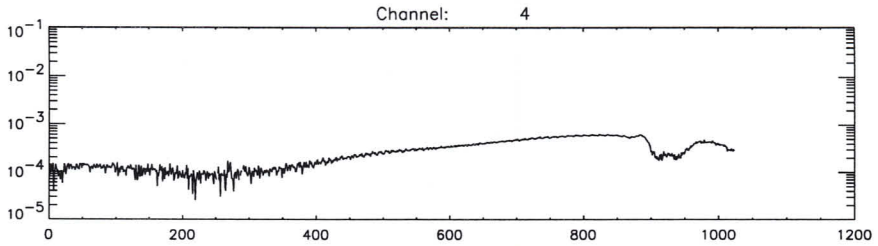
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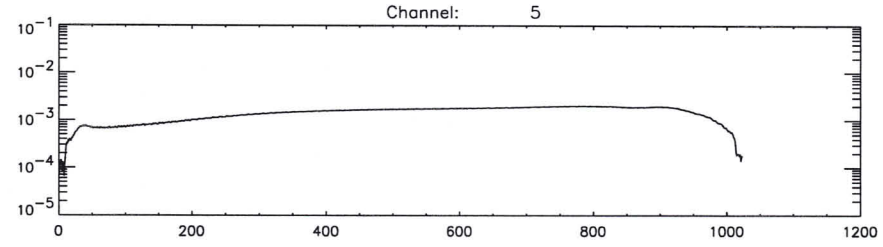
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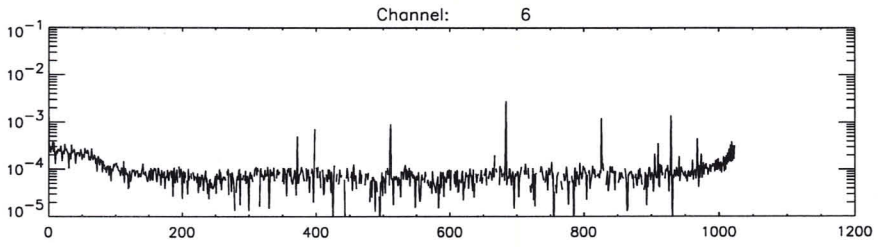
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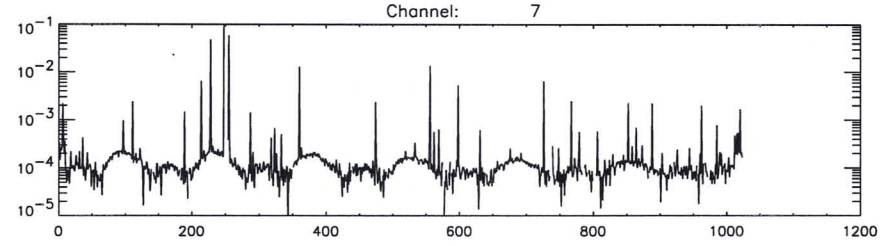
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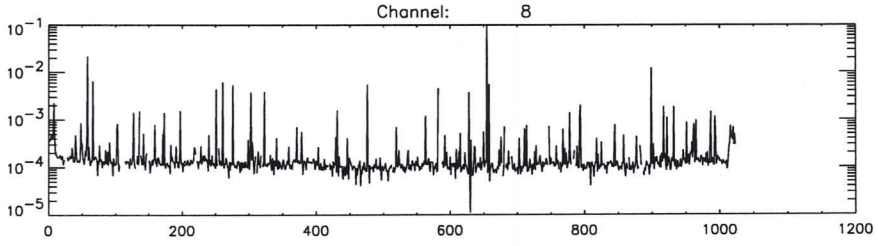
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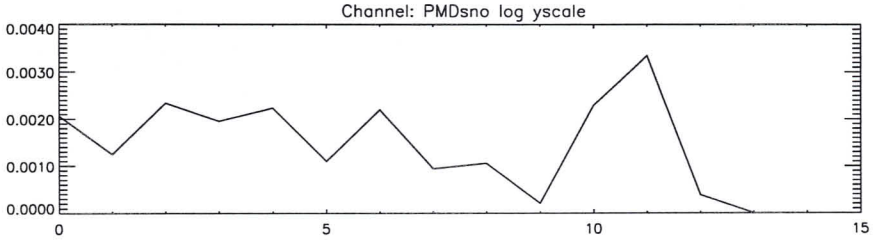
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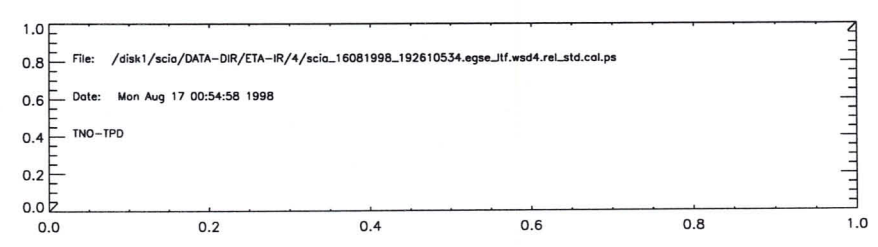
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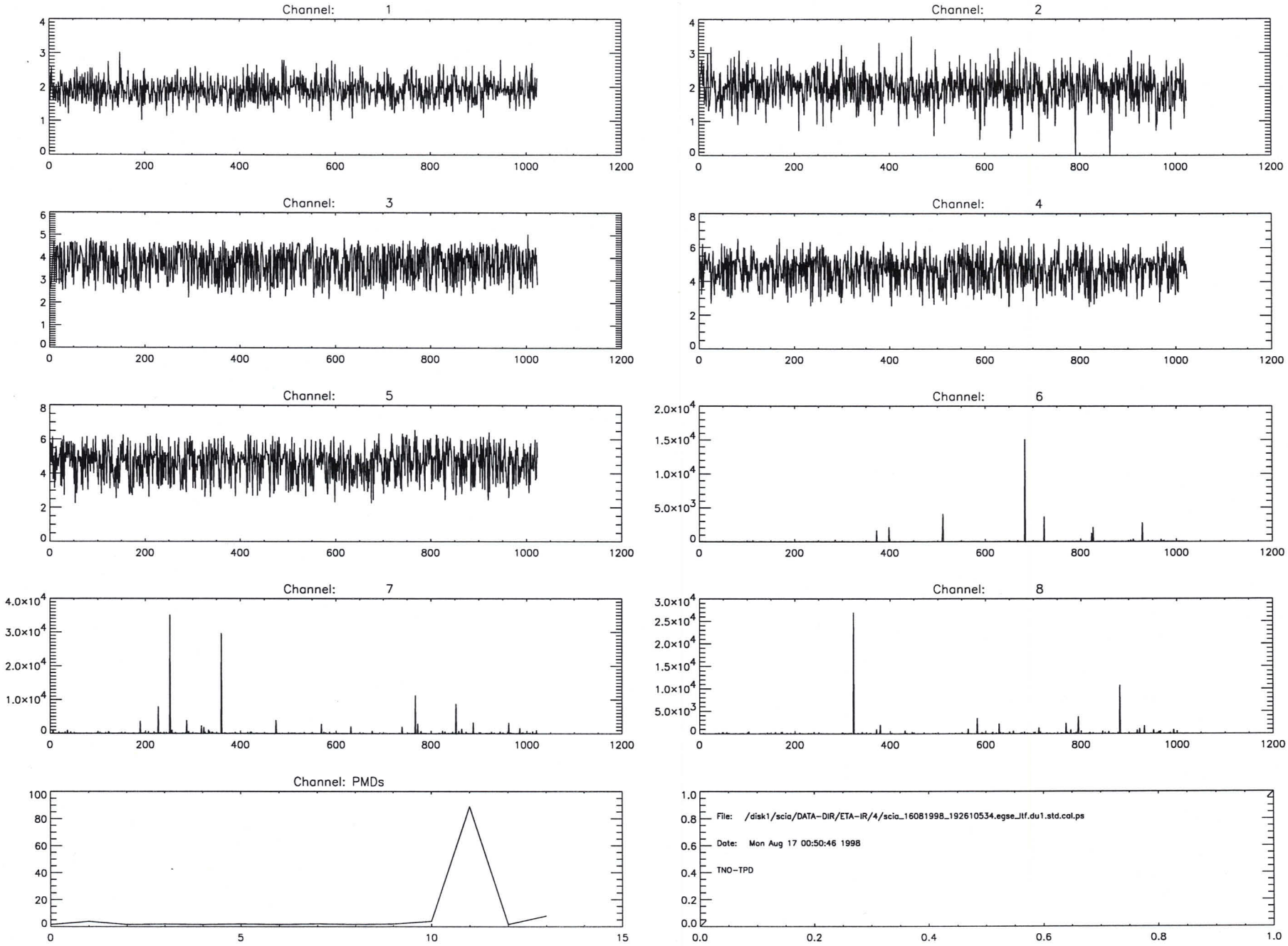
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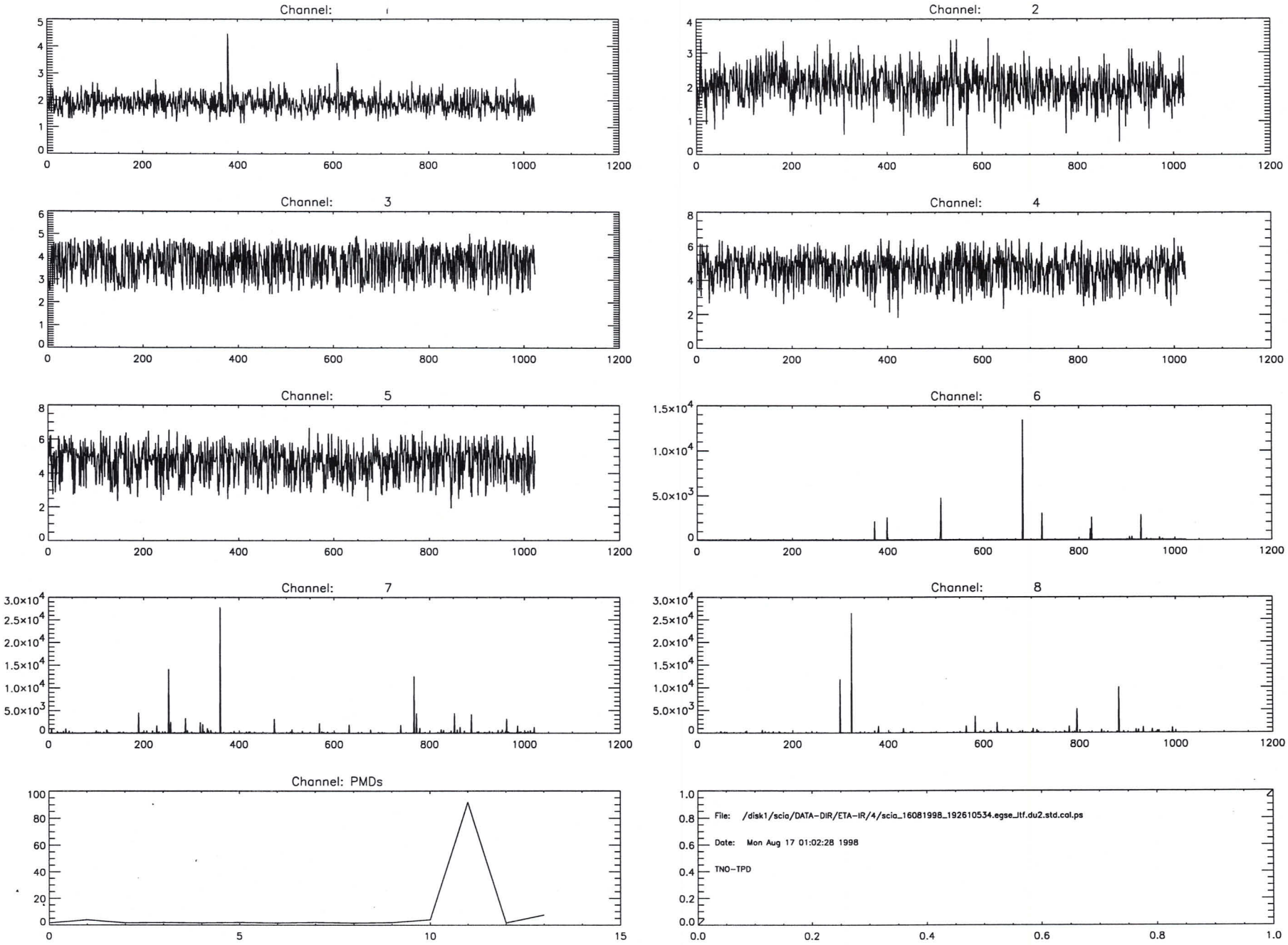
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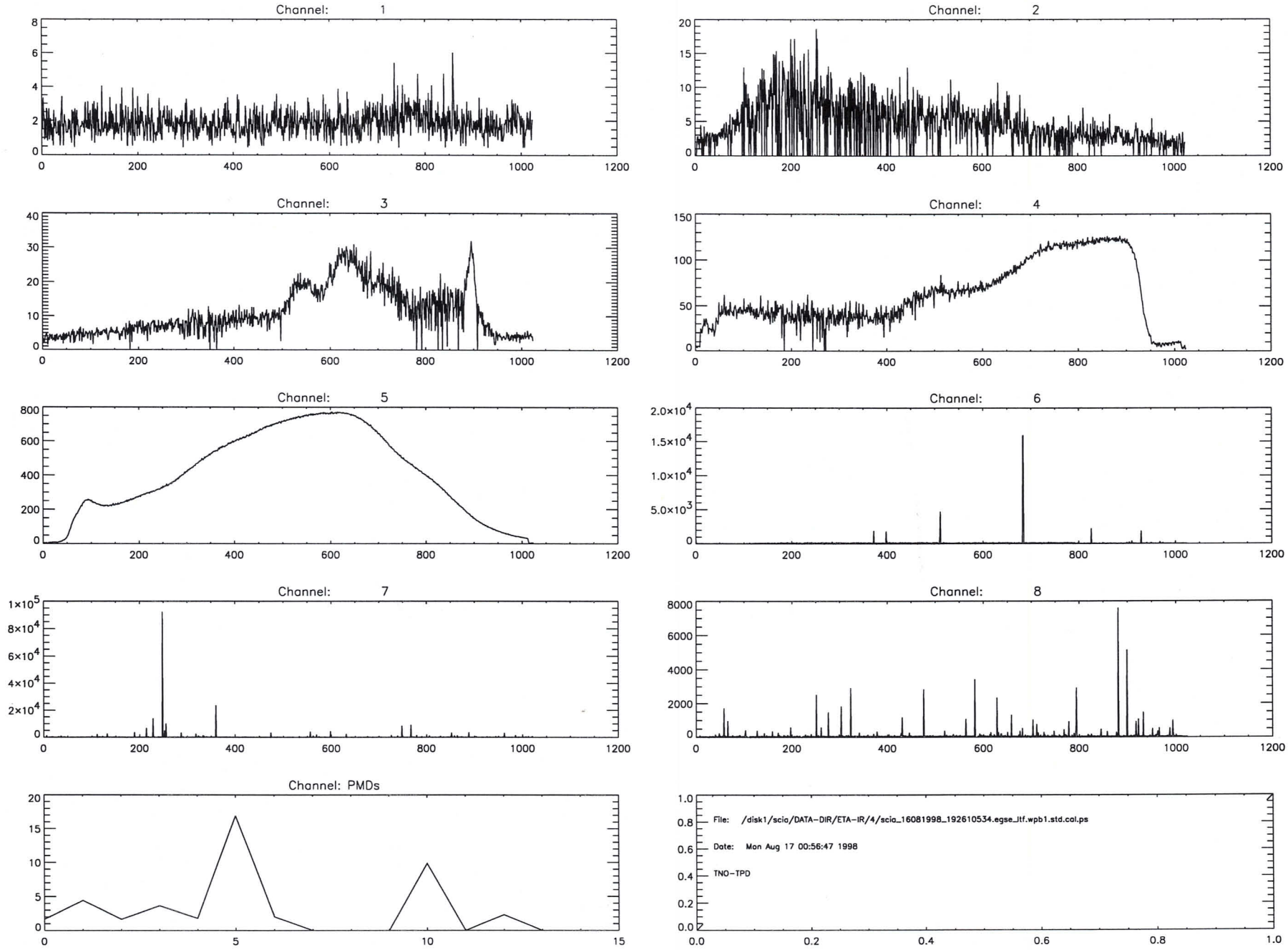
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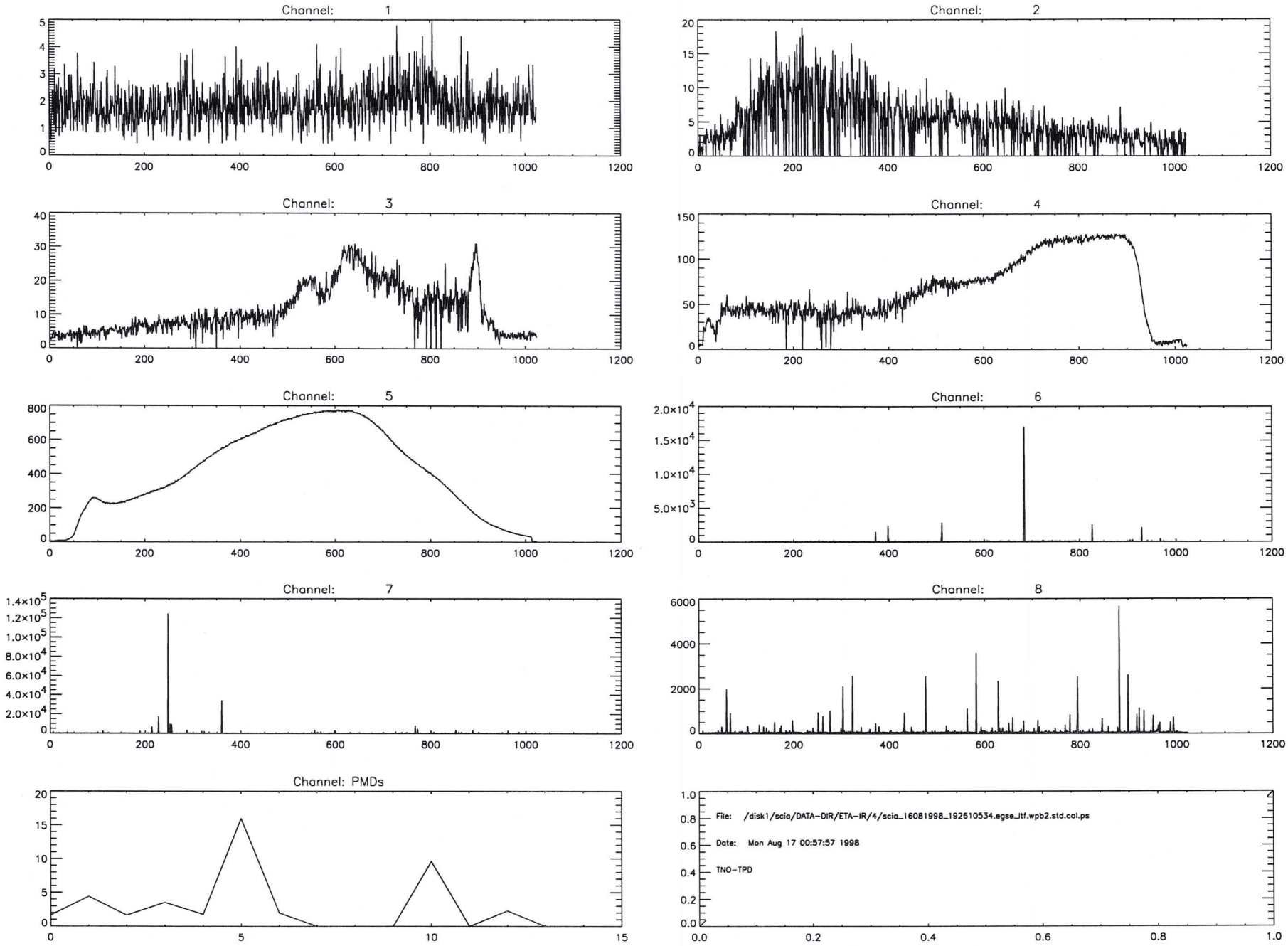
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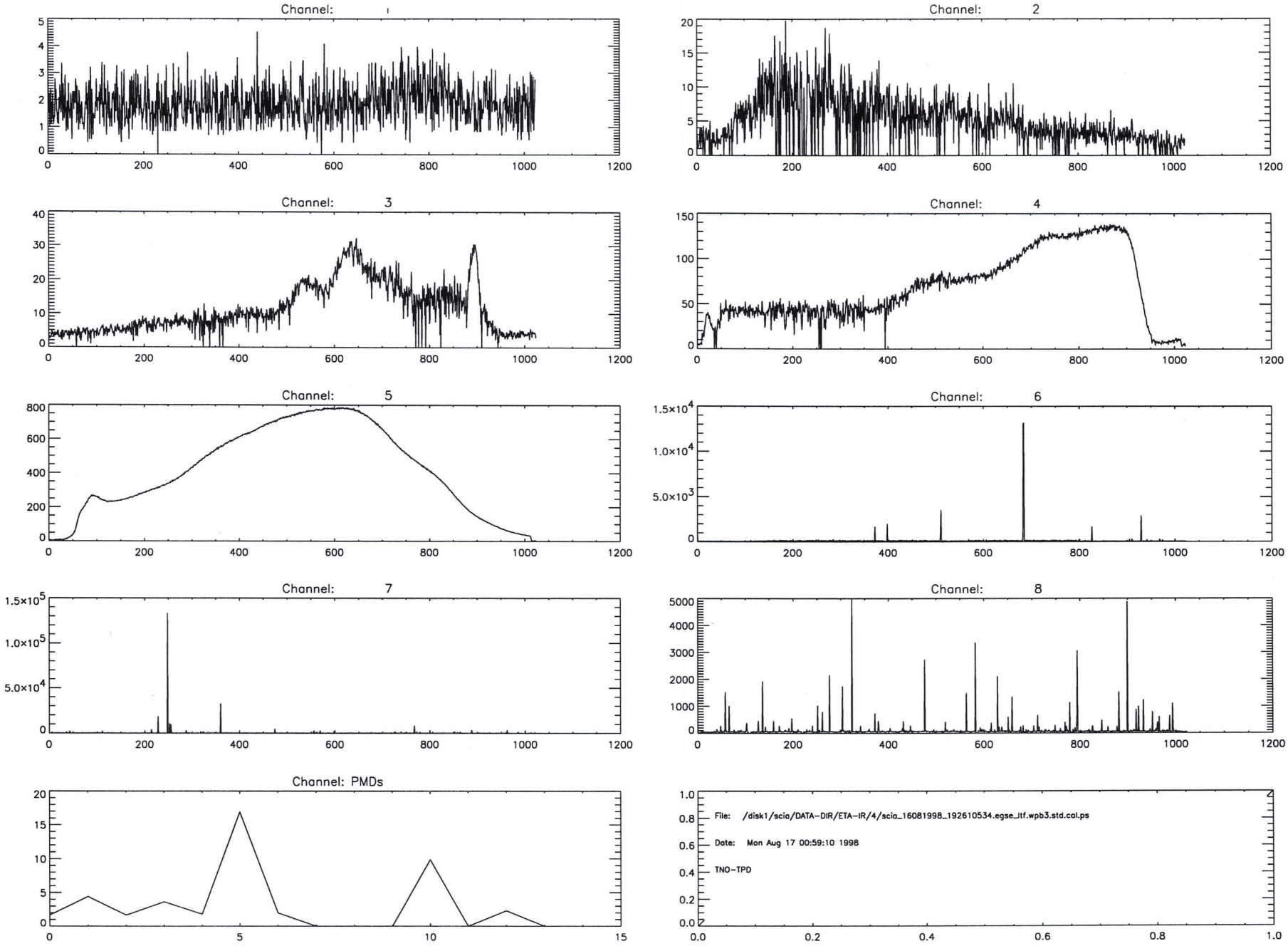
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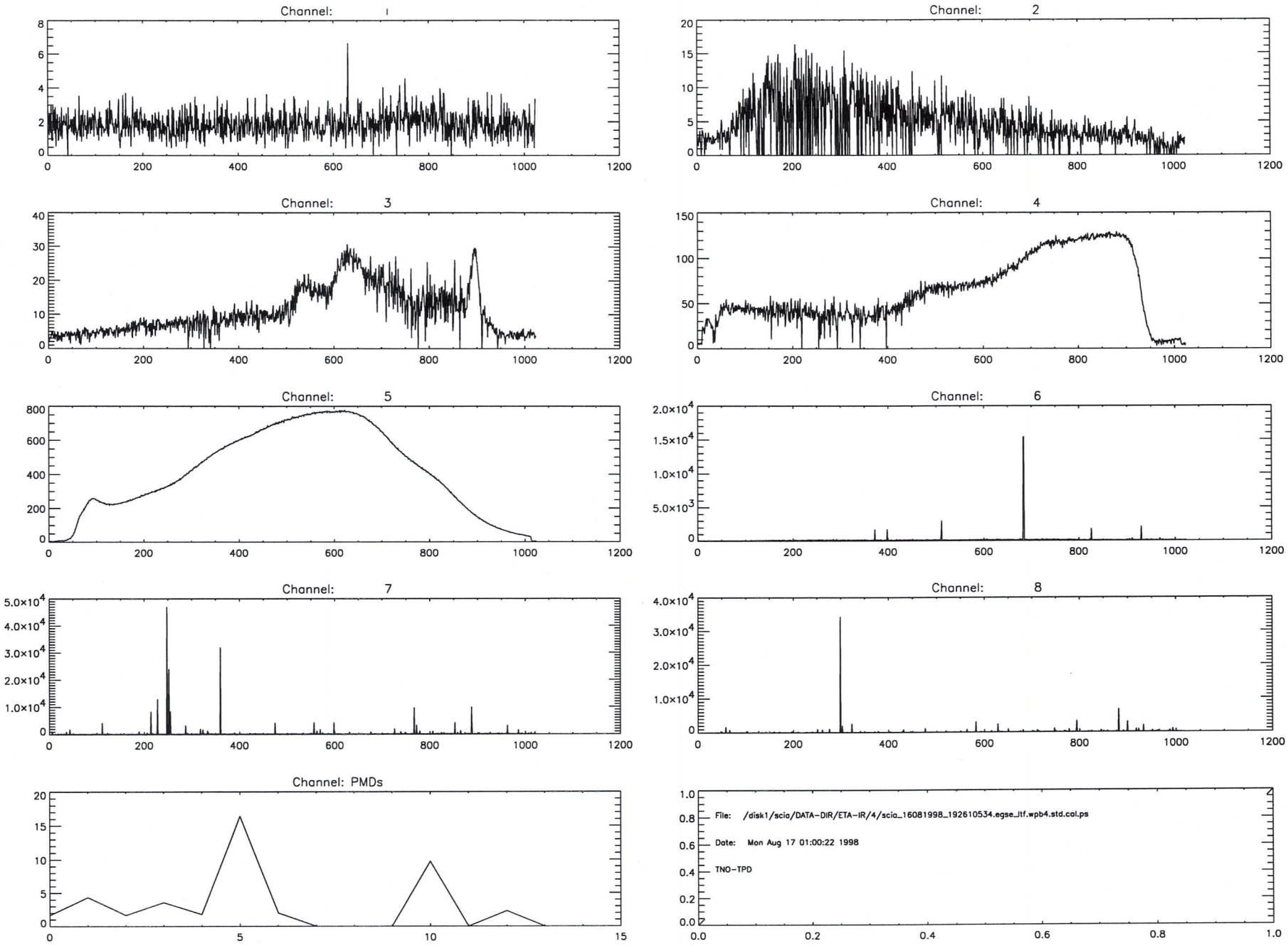
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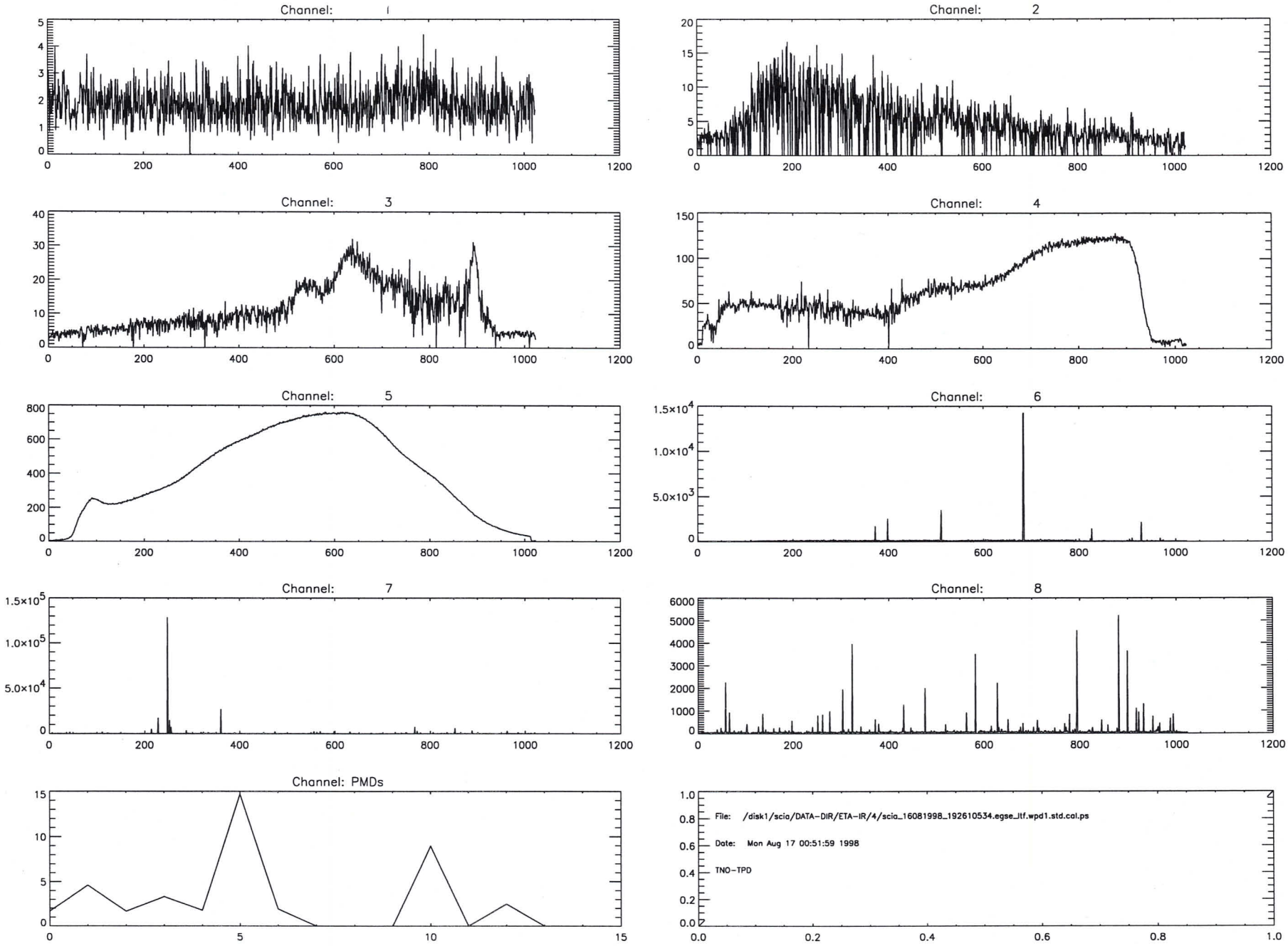
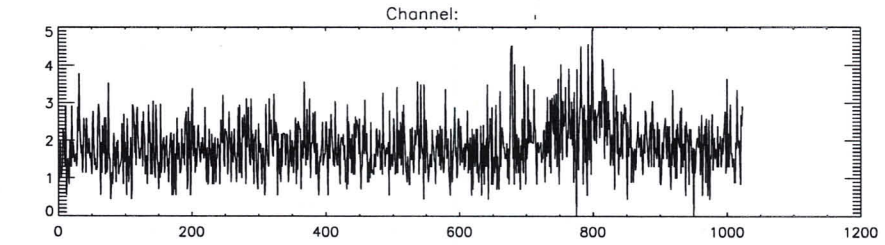
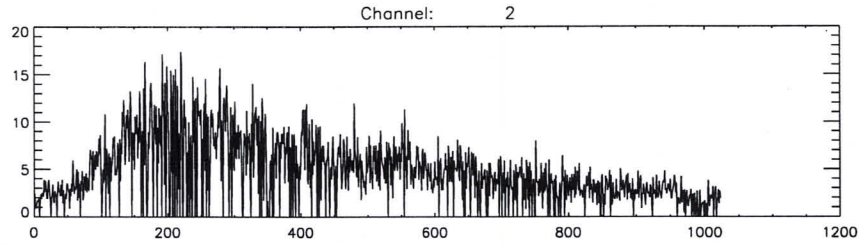
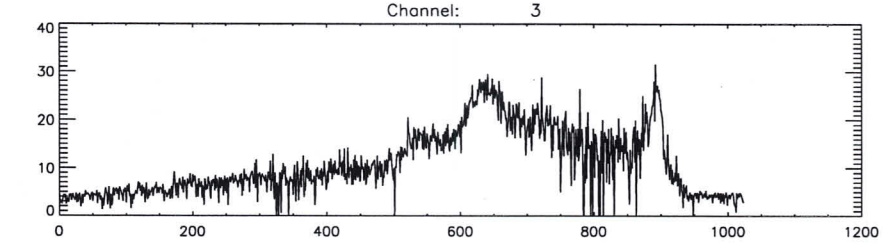
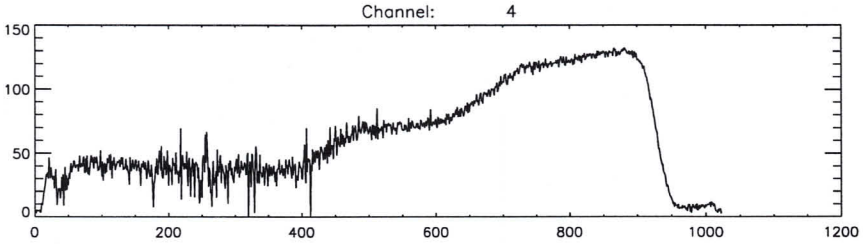
Date: Mon Aug 17 01:00:22 1998
TNO-TPD

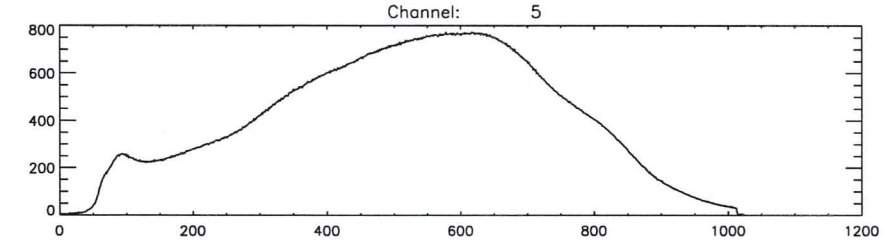

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpd1.std.cal.ps
Date: Mon Aug 17 00:51:59 1998
TNO-TPD

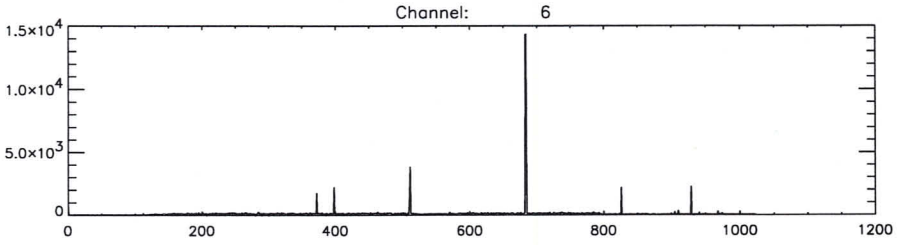

Channel:

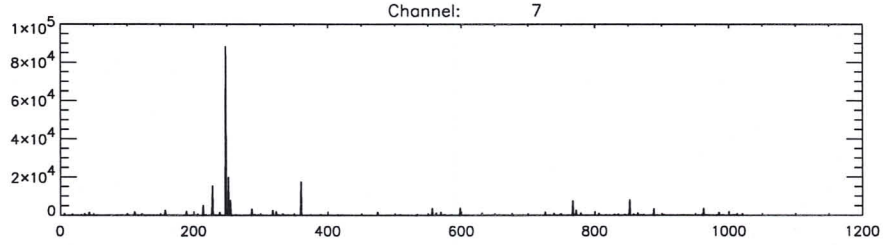

Channel: 2

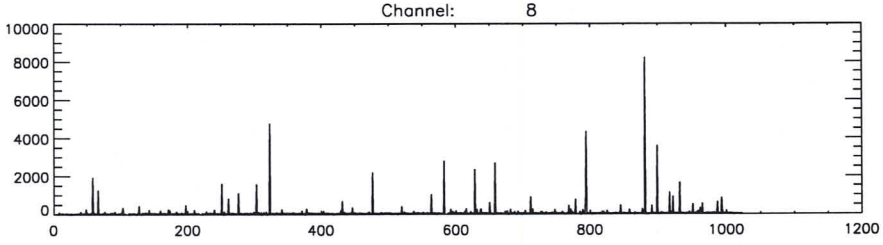

Channel: 3

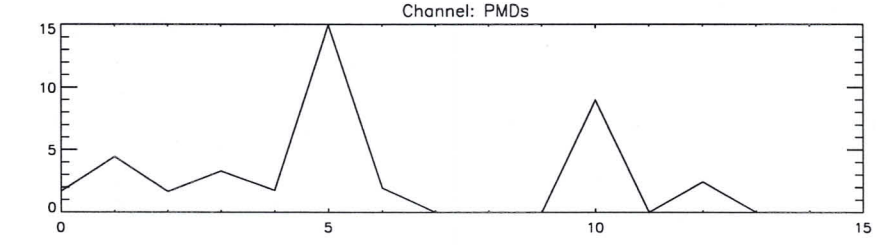

Channel: 4

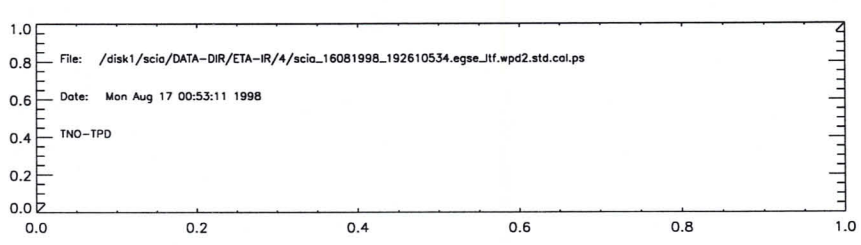

Channel: 5

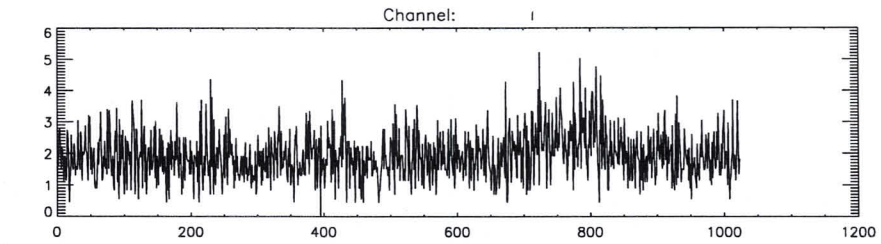

Channel: 6

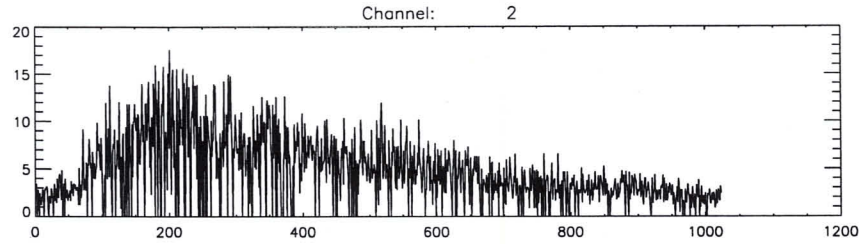

Channel: 7

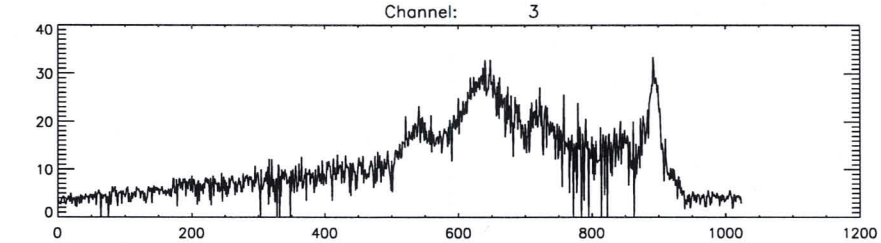

Channel: 8

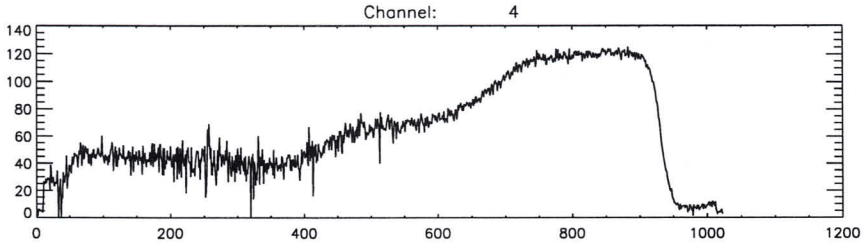

Channel: PMDs

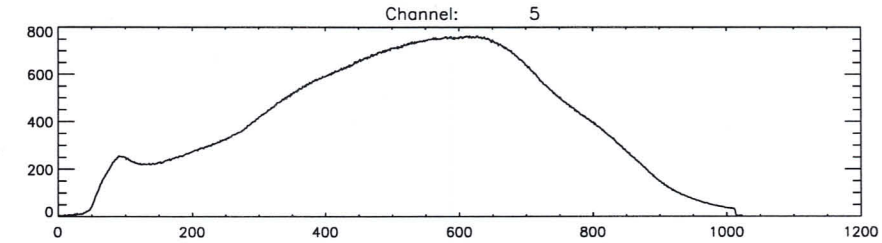

File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpd2.std.col.ps
Date: Mon Aug 17 00:53:11 1998
TNO-TPD

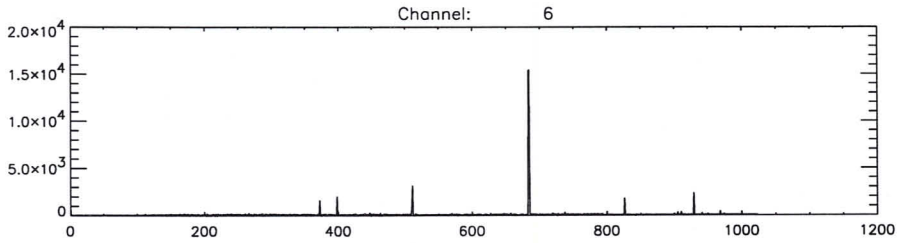

Channel: 1

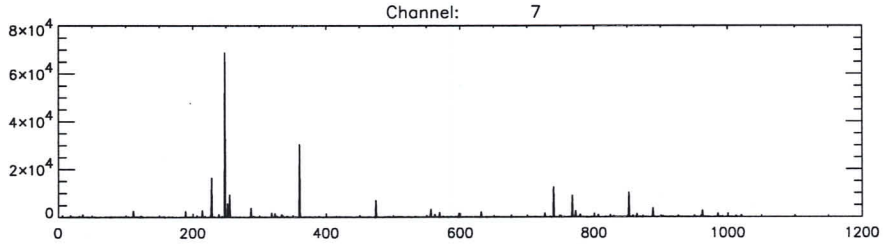

Channel: 2

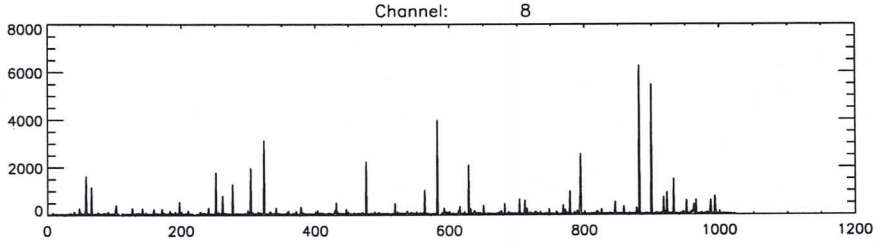

Channel: 3

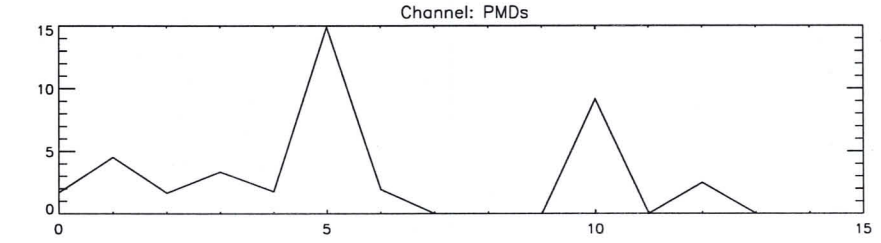

Channel: 4

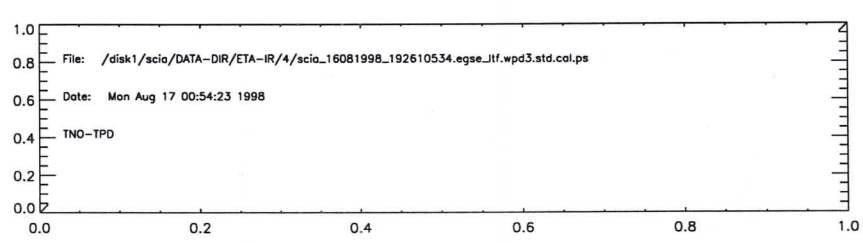

Channel: 5

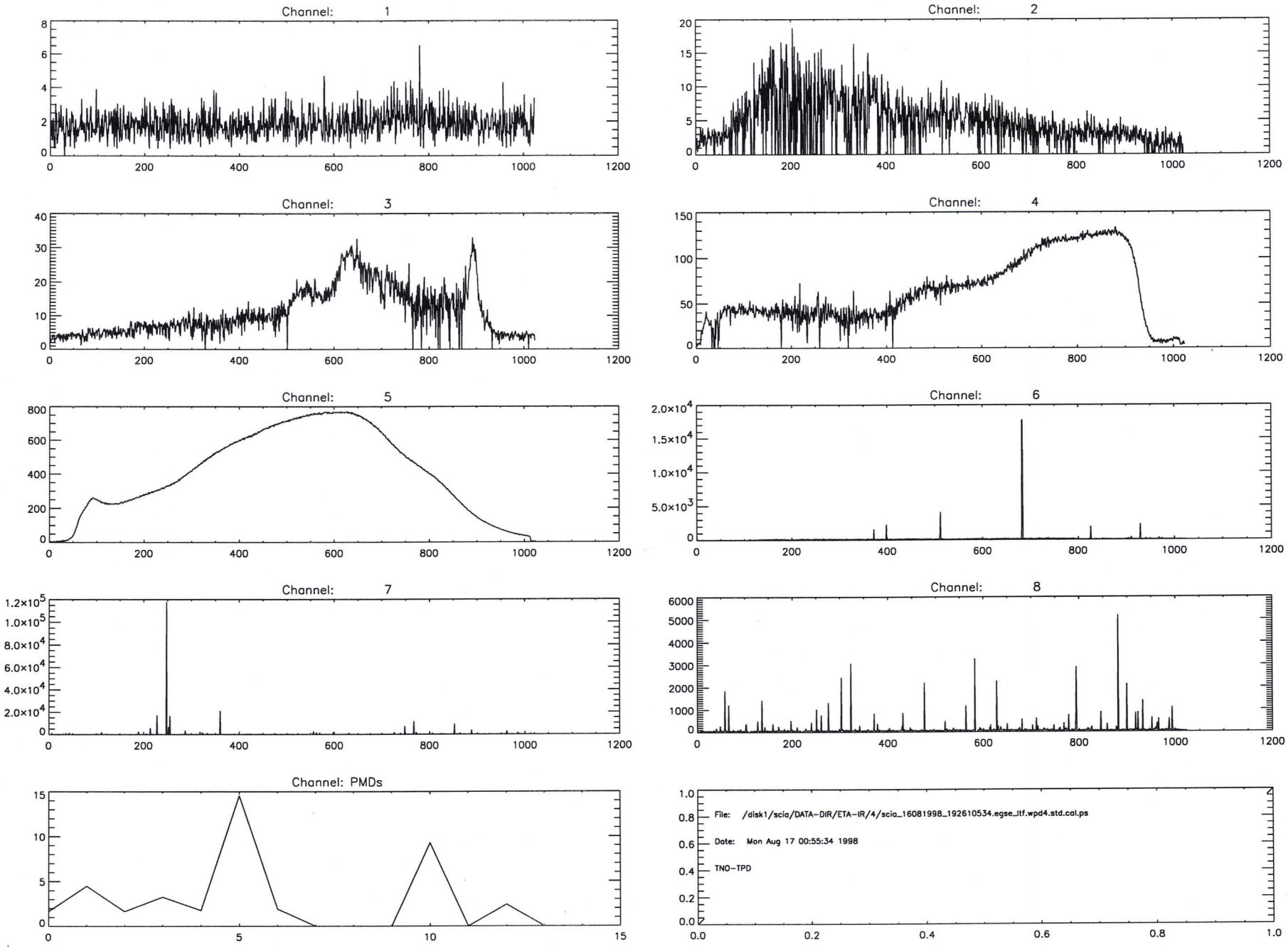

Channel: 6

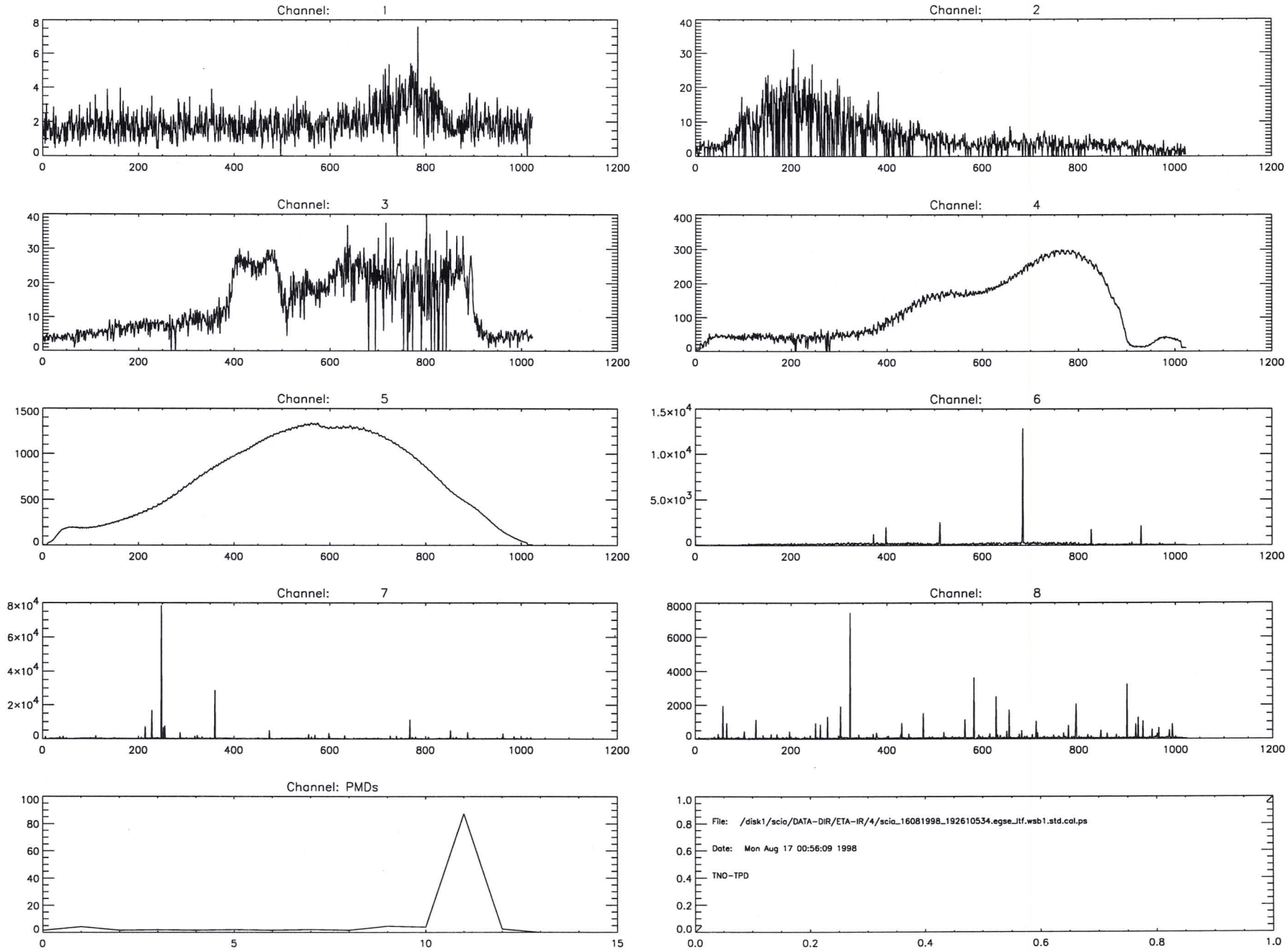

Channel: 7

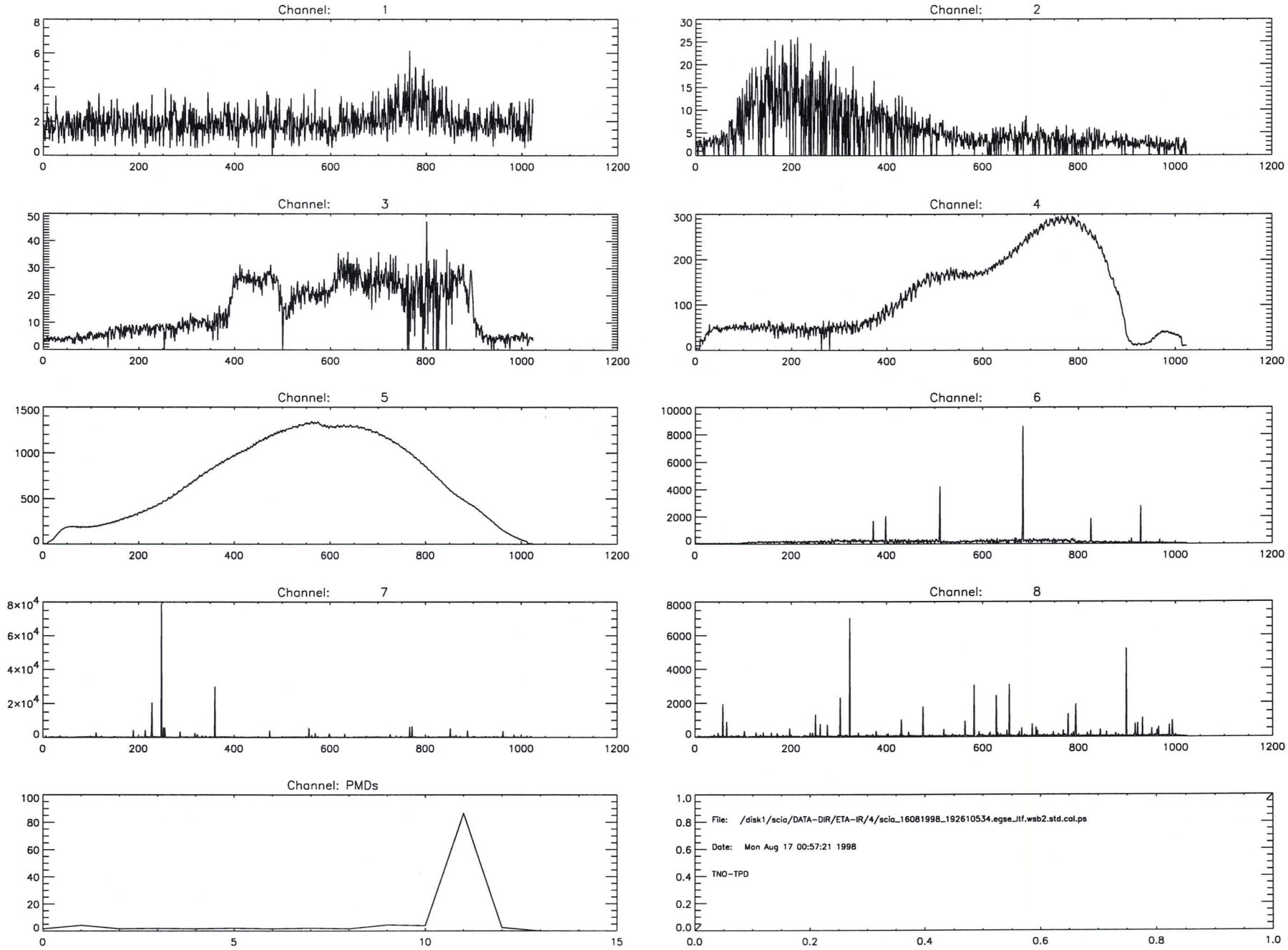

Channel: 8

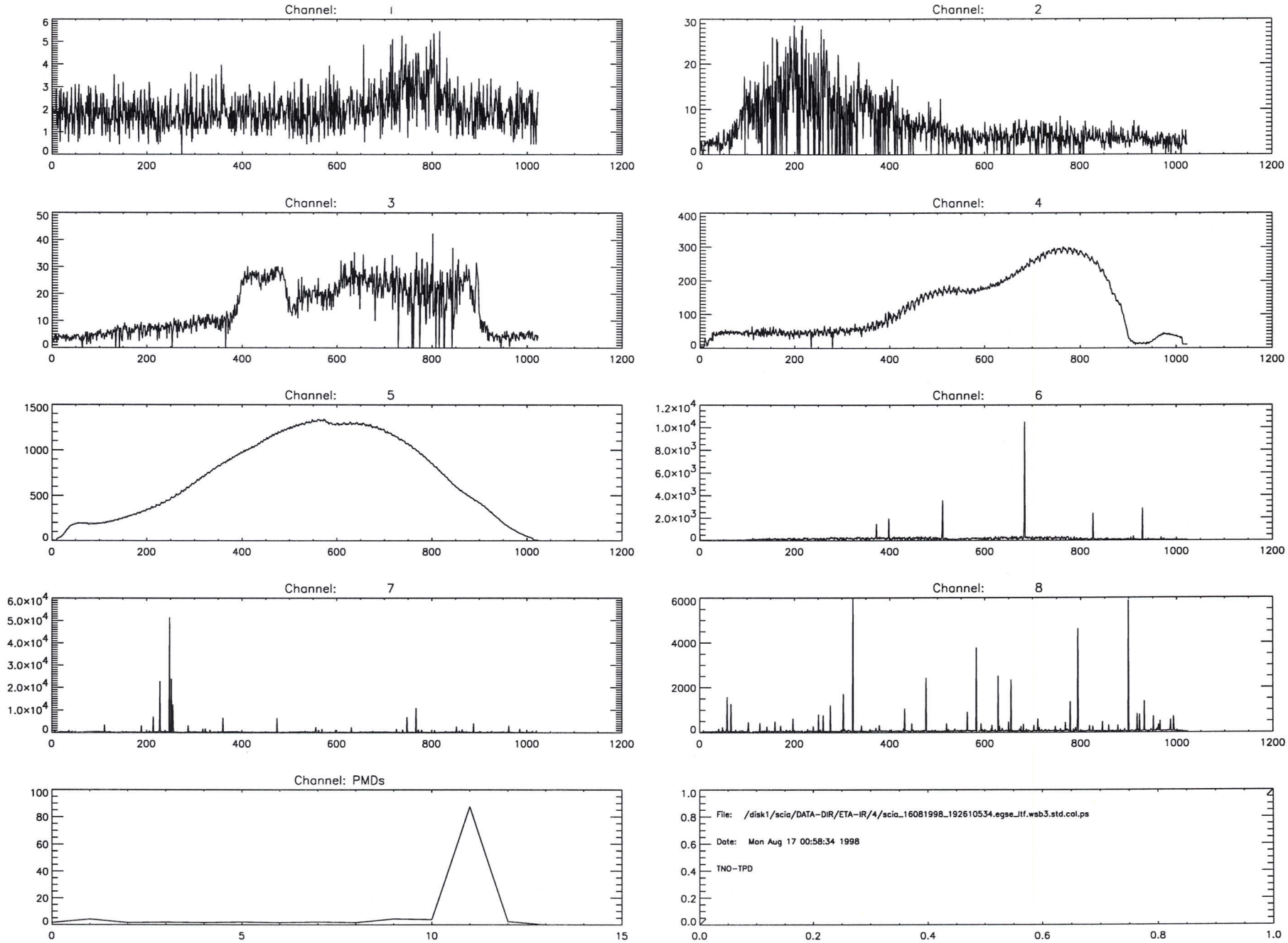

Channel: PMDs

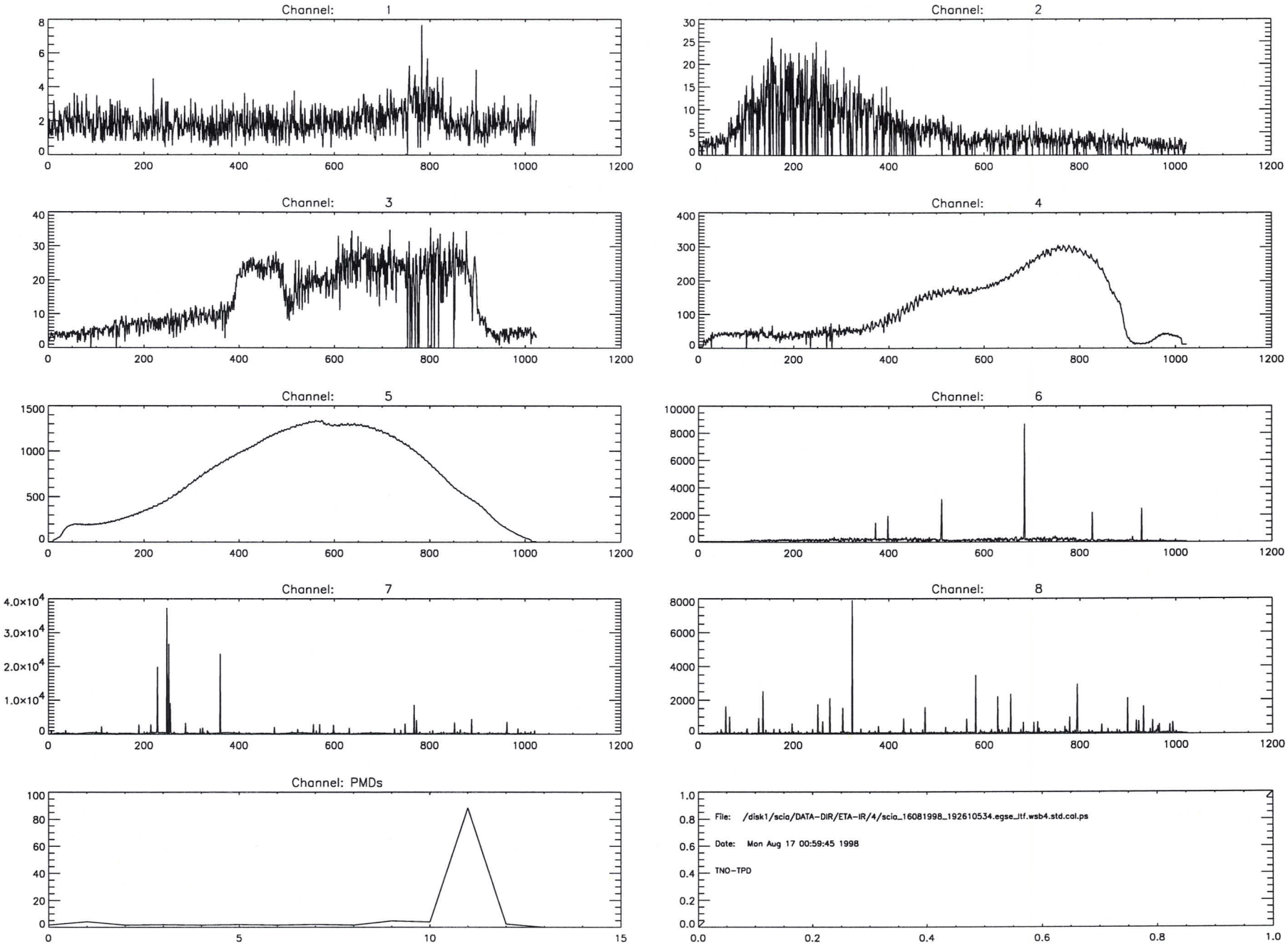

File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpd3.std.cal.ps
Date: Mon Aug 17 00:54:23 1998
TNO-TPD

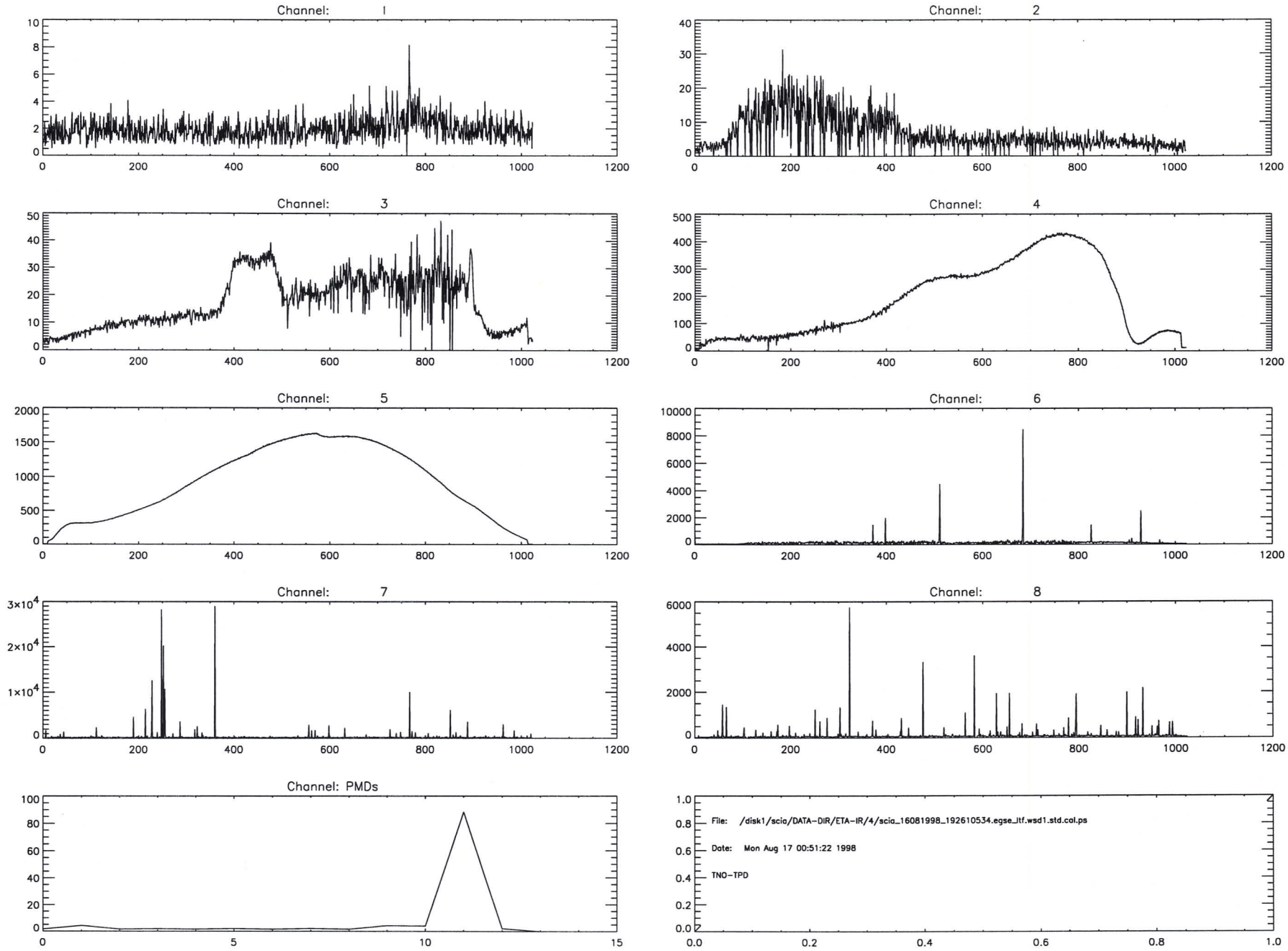

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wpd4.std.cal.ps
Date: Mon Aug 17 00:55:34 1998
TNO-TPD

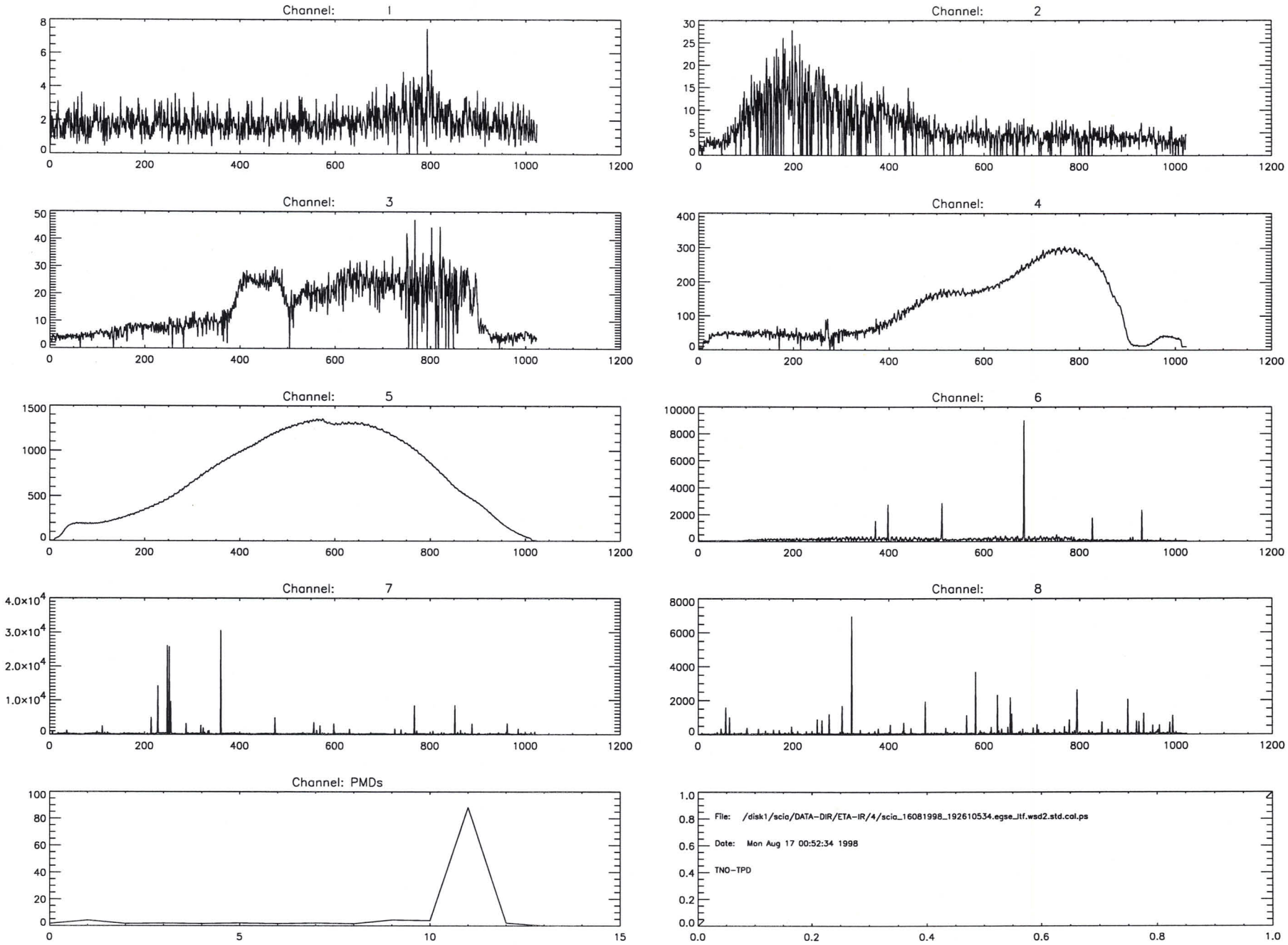

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb1.std.cal.ps
Date: Mon Aug 17 00:56:09 1998
TNO-TPD

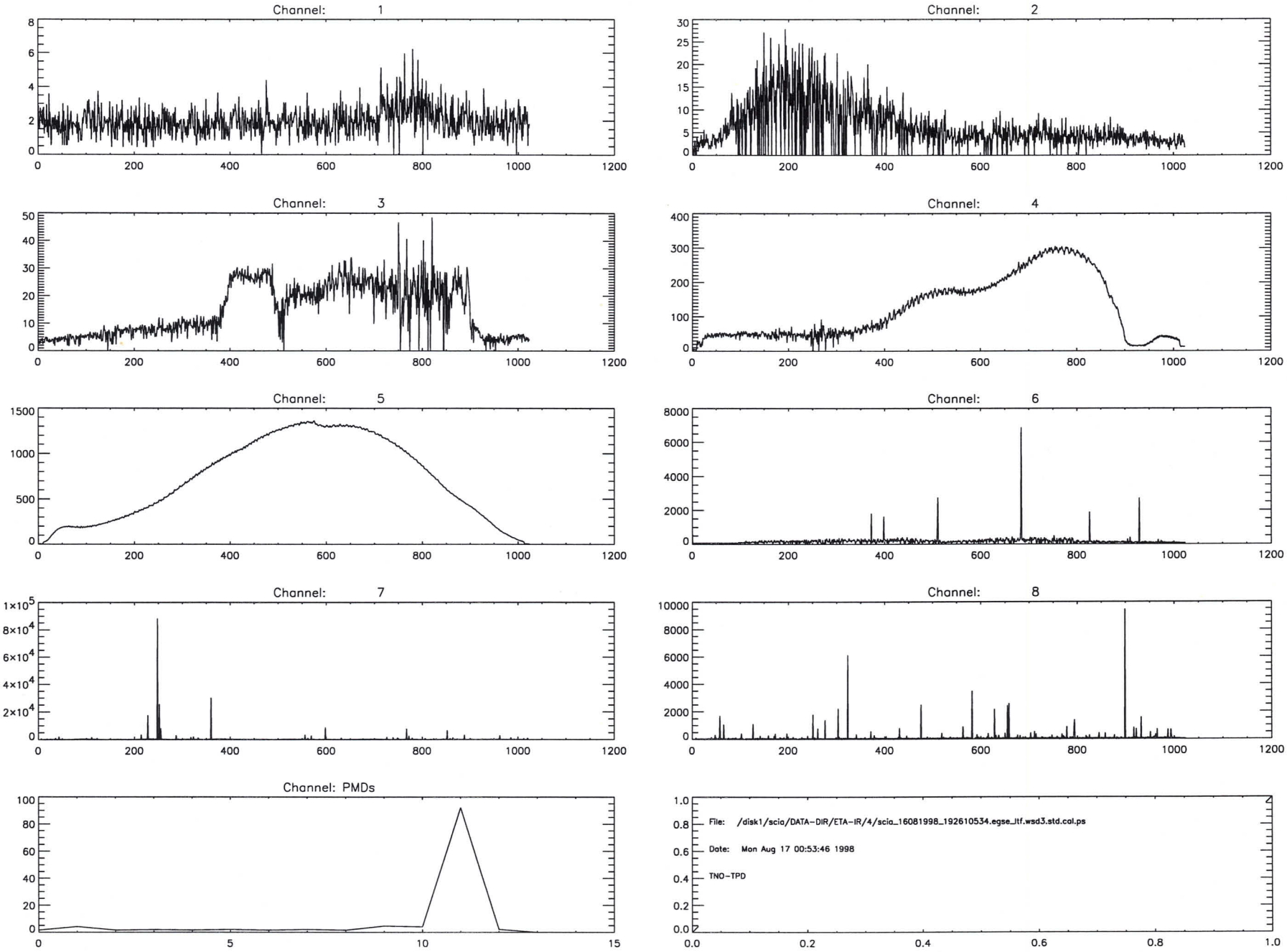

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb2.std.cal.ps
Date: Mon Aug 17 00:57:21 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb3.std.col.ps
Date: Mon Aug 17 00:58:34 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsb4.std.cal.ps
Date: Mon Aug 17 00:59:45 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsd1.std.cal.ps
Date: Mon Aug 17 00:51:22 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsd2.std.cal.ps
Date: Mon Aug 17 00:52:34 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.wsd3.std.col.ps
Date: Mon Aug 17 00:53:46 1998
TNO-TPD

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:19 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.b.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:48 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.d.p
```

```
time       = Mon Aug 17 00:50:47 1998
batch      = du1
Start TOD = Sun 16-Aug-98 19:26:10
End   TOD = Sun 16-Aug-98 19:52:58
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 01:02:28 1998
batch      = du2
Start TOD = Sun 16-Aug-98 21:39:26
End   TOD = Sun 16-Aug-98 22:05:16
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:56:47 1998
batch      = wpb1
Start TOD = Sun 16-Aug-98 20:52:57
End   TOD = Sun 16-Aug-98 20:59:37
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:57:58 1998
batch      = wpb2
Start TOD = Sun 16-Aug-98 21:06:17
End   TOD = Sun 16-Aug-98 21:12:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:59:11 1998
batch      = wpb3
Start TOD = Sun 16-Aug-98 21:19:37
End   TOD = Sun 16-Aug-98 21:26:17
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 01:00:23 1998
batch      = wpb4
Start TOD = Sun 16-Aug-98 21:32:57
End   TOD = Sun 16-Aug-98 21:39:26
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:51:59 1998
batch      = wpd1
Start TOD = Sun 16-Aug-98 19:59:37
End   TOD = Sun 16-Aug-98 20:06:17
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:53:11 1998
batch      = wpd2
Start TOD = Sun 16-Aug-98 20:12:57
End   TOD = Sun 16-Aug-98 20:19:38
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:54:23 1998
batch      = wpd3
Start TOD = Sun 16-Aug-98 20:26:18
End   TOD = Sun 16-Aug-98 20:32:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:55:35 1998
batch      = wpd4
Start TOD = Sun 16-Aug-98 20:39:37
End   TOD = Sun 16-Aug-98 20:46:18
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:56:10 1998
batch      = wsb1
Start TOD = Sun 16-Aug-98 20:46:18
End   TOD = Sun 16-Aug-98 20:52:57
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:57:21 1998
batch      = wsb2
Start TOD = Sun 16-Aug-98 20:59:37
End   TOD = Sun 16-Aug-98 21:06:17
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Mon Aug 17 00:58:34 1998
batch      = wsb3
Start TOD = Sun 16-Aug-98 21:12:57
End   TOD = Sun 16-Aug-98 21:19:37
Processing= computation of average, standard dev. and rel.standard dev.
```

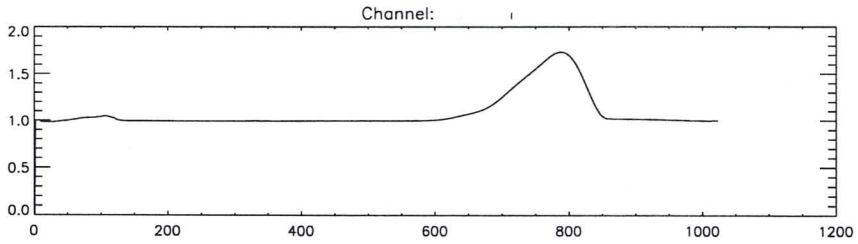
```
time       = Mon Aug 17 00:59:46 1998
batch      = wsb4
Start TOD = Sun 16-Aug-98 21:26:17
End   TOD = Sun 16-Aug-98 21:32:57
Processing= computation of average, standard dev. and rel.standard dev.
```

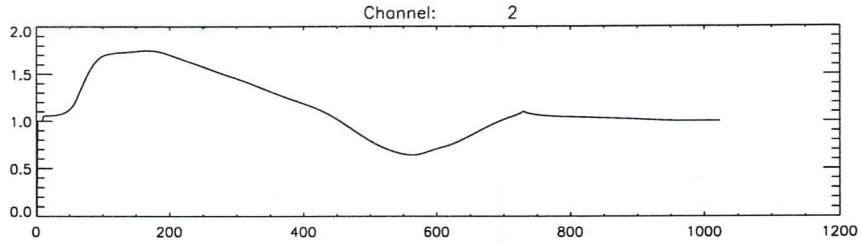
```
time       = Mon Aug 17 00:51:22 1998
batch      = wsd1
Start TOD = Sun 16-Aug-98 19:52:58
End   TOD = Sun 16-Aug-98 19:59:37
Processing= computation of average, standard dev. and rel.standard dev.
```

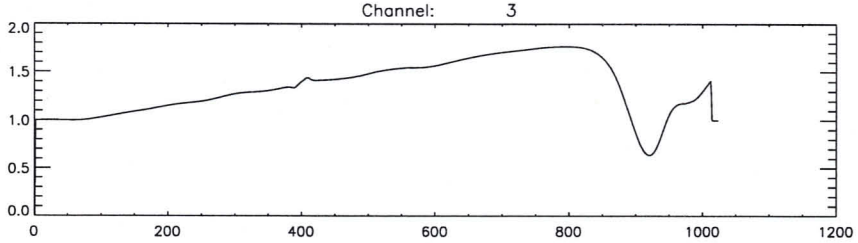
```
time       = Mon Aug 17 00:52:35 1998
batch      = wsd2
Start TOD = Sun 16-Aug-98 20:06:17
End   TOD = Sun 16-Aug-98 20:12:57
Processing= computation of average, standard dev. and rel.standard dev.
```

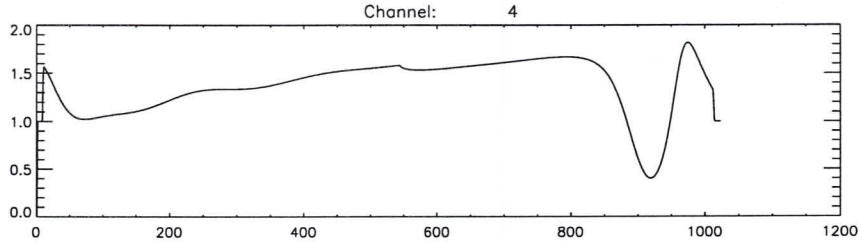
```
time       = Mon Aug 17 00:53:46 1998
batch      = wsd3
Start TOD = Sun 16-Aug-98 20:19:38
End   TOD = Sun 16-Aug-98 20:26:18
Processing= computation of average, standard dev. and rel.standard dev.
```

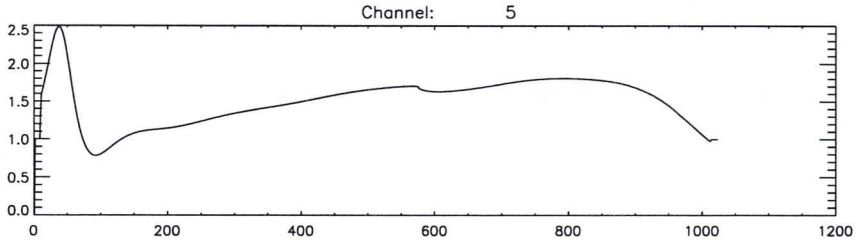
```
time       = Mon Aug 17 00:54:58 1998
batch      = wsd4
Start TOD = Sun 16-Aug-98 20:32:57
End   TOD = Sun 16-Aug-98 20:39:37
Processing= computation of average, standard dev. and rel.standard dev.
```

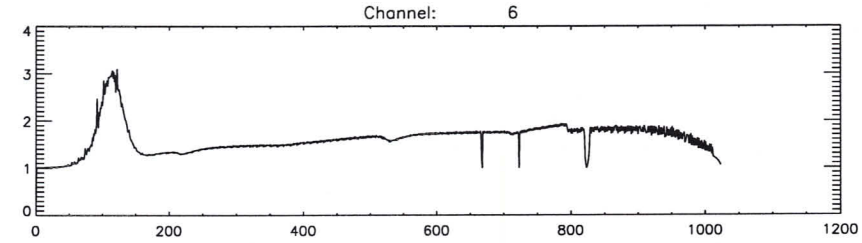

Channel:

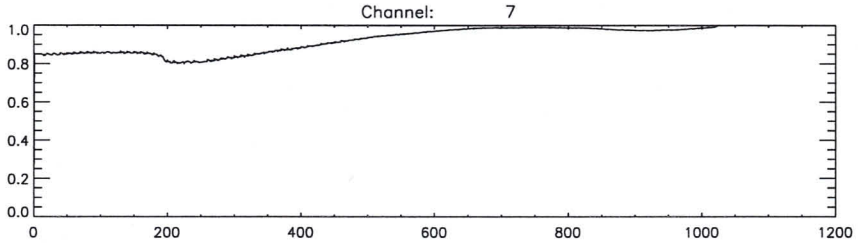

Channel: 2

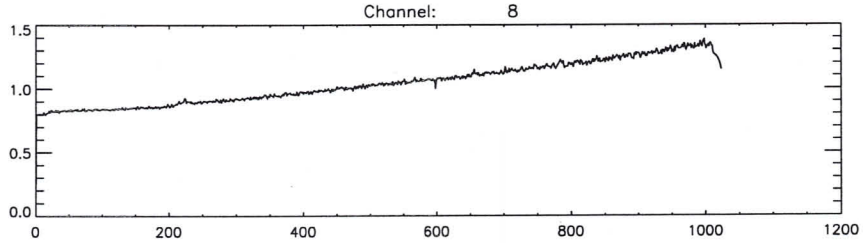

Channel: 3

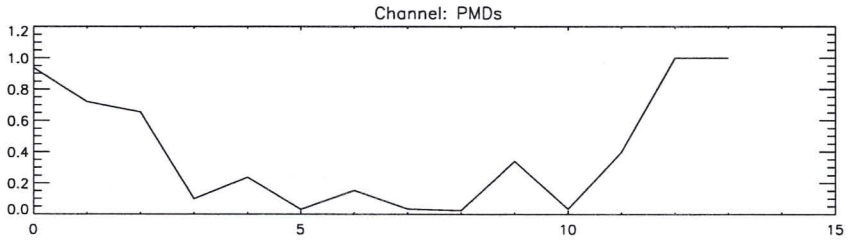

Channel: 4

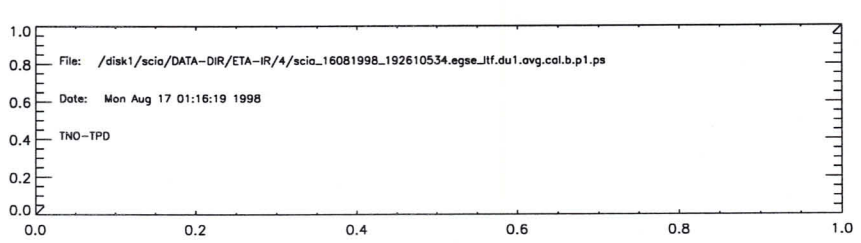

Channel: 5

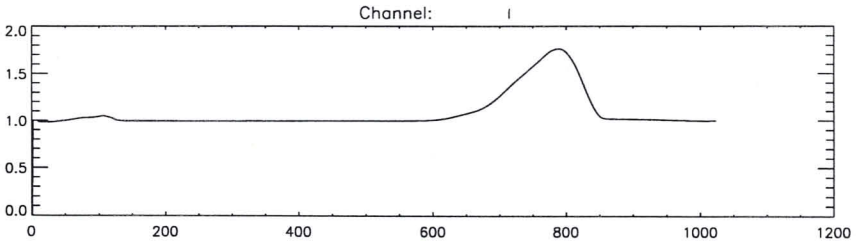

Channel: 6

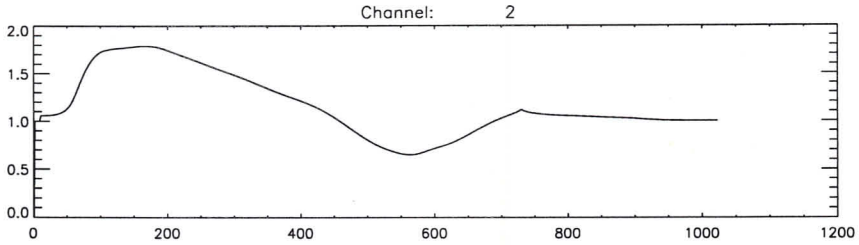

Channel: 7

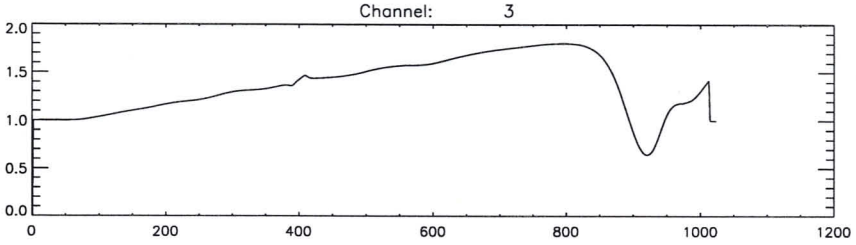

Channel: 8

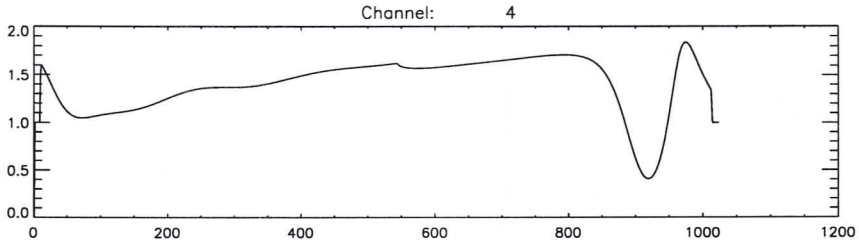

Channel: PMDs

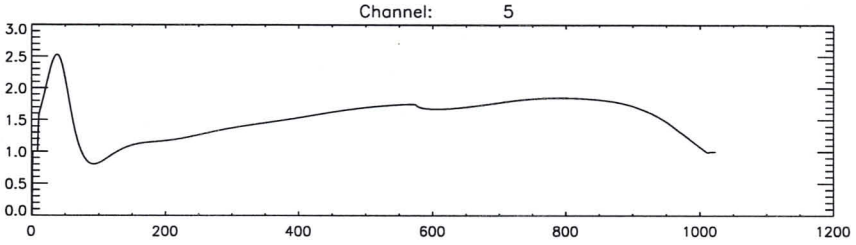

File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_itf.du1.avg.cal.b.p1.ps
Date: Mon Aug 17 01:16:19 1998
TNO-TPD

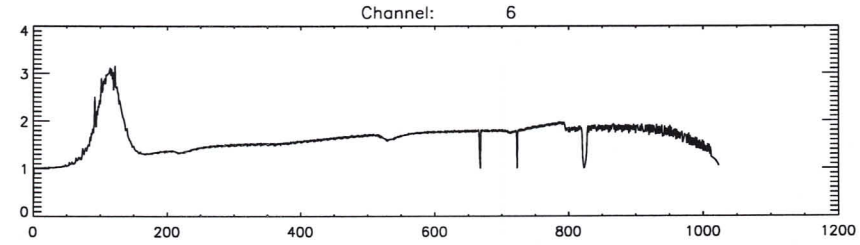

Channel: 1

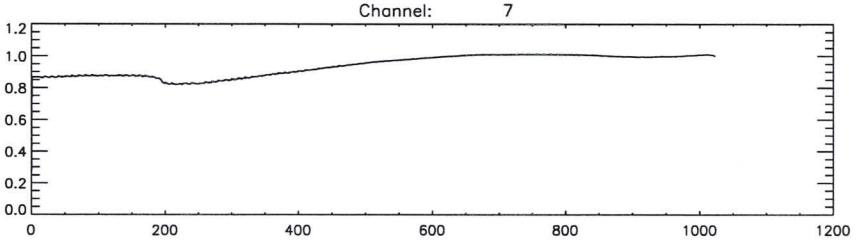

Channel: 2

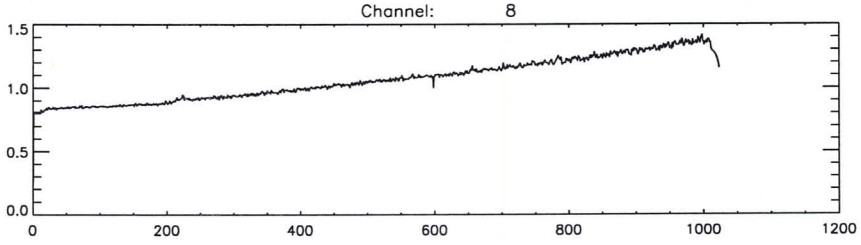

Channel: 3

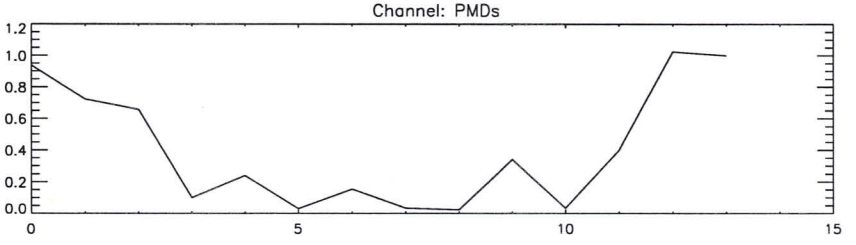

Channel: 4

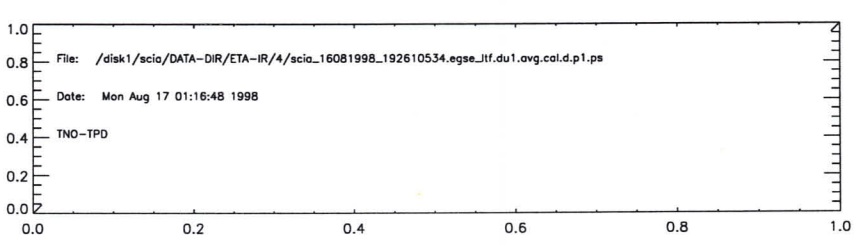

Channel: 5

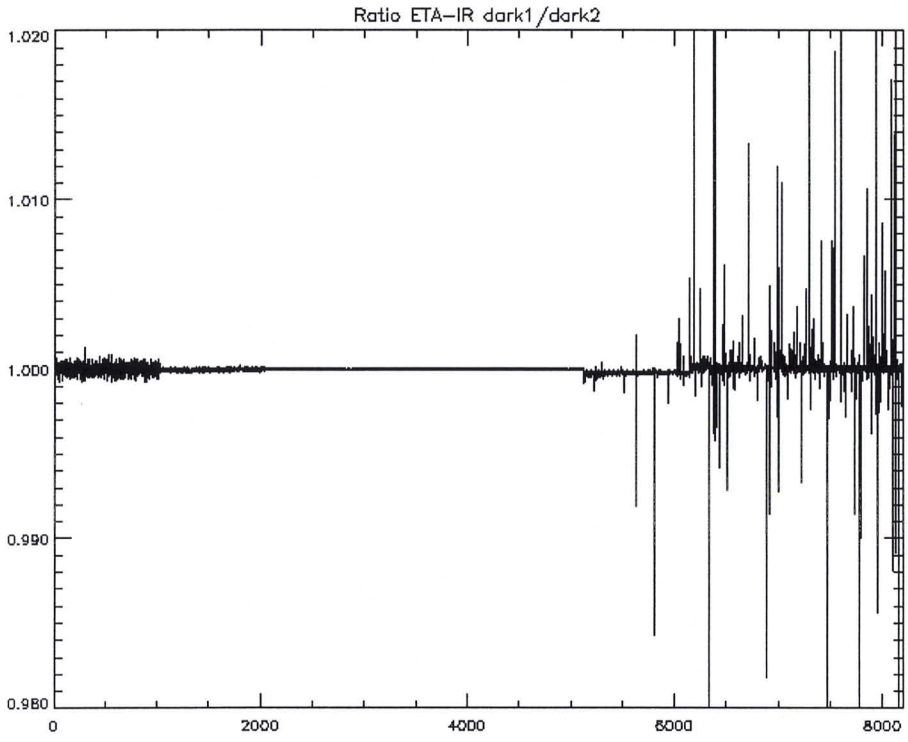

Channel: 6


Channel: 7

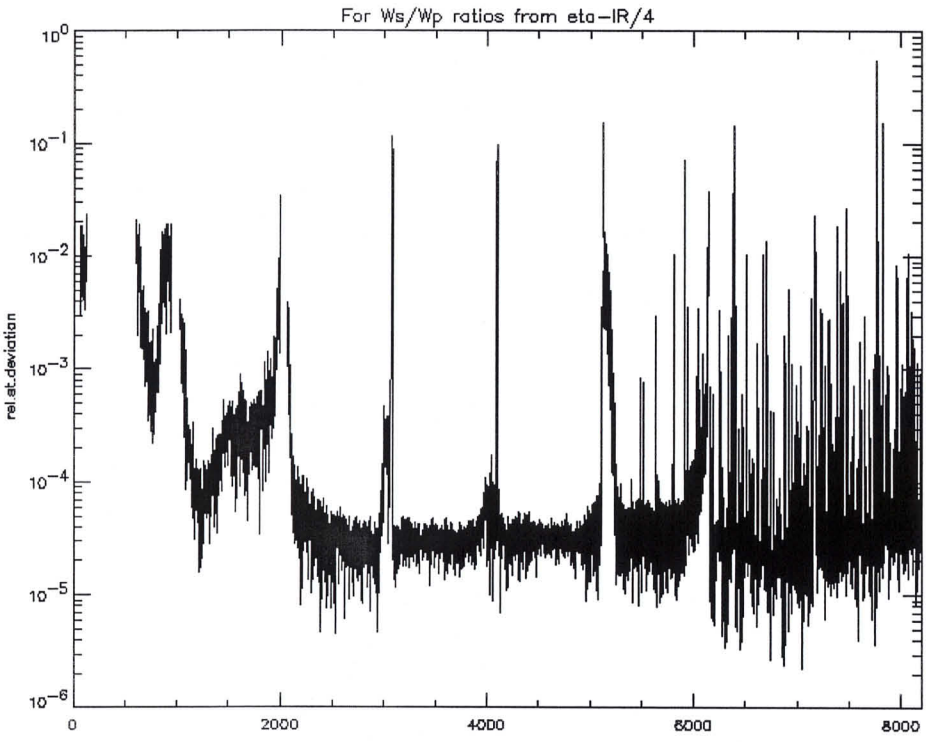

Channel: 8


Channel: PMDs

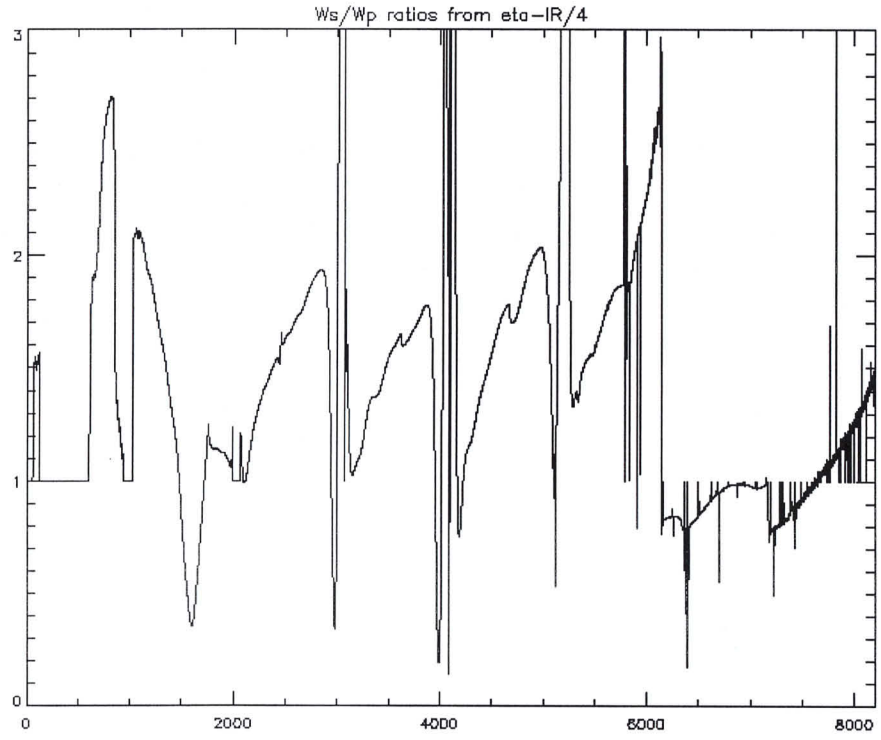

File: /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.d.p1.ps
Date: Mon Aug 17 01:16:48 1998
TNO-TPD


Ratio ETA-IR dark1/dark2
1.020
1.010
1.000
0.990
0.980
0
2000
4000
6000
8000

ETA-IR/4 / ω_* b_*



ETA-IR/4/ W* b*



```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Wed Aug 19 03:57:17 1998
; marion7.pro
; by Marion Stoppelenburg

print
print,"this software has been tested with:"
print,"DATA-DIR/CORR/120898"
print,"DATA-DIR/ETA-IR/4/....du1.avg.cal"
print,"DATA-DIR/ETA-IR/4/....W*b#.avg.cal
print

marion6,ws,wp

mies = where(ws lt 1)
ws(mies)=1
mies = where(wp lt 1)
wp(mies)=1
eta = ws / wp

;  aysize=size(eta)
numberfiles=arraysize(3)

etaaver=total(eta)
etaaver=total(eta,3)
etaaver=etaaver/numberfiles

window,0
plot, etaaver(*,*,0), yrange=[0,3], $
      xrange=[0,8192], xstyle=1,title="Ws/Wp ratios from eta-IR/4"

sumdev=fltarr(1024,8)
for i=0,numberfiles-1 do sumdev = sumdev + (eta(*,*,i)-etaaver)^2
sumdev=sumdev/(numberfiles-1)
stdev=sqrt(sumdev)
relstdev=stdev/etaaver

window,1
 plot,  relstdev,yrange=[1e-6,1],/ylog, $
        title="For Ws/Wp ratios from eta-IR/4", $
        ytitle=" rel.st.deviation",xrange=[0,8192],xstyle=1

help,ws
help,wp
help,eta
help,etaaver
help,stdev
help,relstdev
```

```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Wed Aug 19 01:16:25 1998
; Marion6.pro
; by marion Stoppelenburg
; Reading a set of WP and WS files.
; Filling arrays for further analysis e.g. std.dev.

@cal_file_func
@cal_func
@correction

PRO Marion6, wsarray, wparray

        NumberOfParameters = N_Params()
        if (NumberOfParameters EQ 0) then begin
                print
                print, '************************************************'
                print, 'syntax is: '
                print, 'marion6, aap, noot'
                print, 'where "aap" is the result array with all ws-data'
                print, 'where "noot" is the result array with all wp-data'
                print, '************************************************'
                print
                return
        endif
        print
        print, "Select directory (dated or latest) with CORR files"
        print
        read_all_correction_data, DIR=get_directory()

print
print, 'Select dark file (*.avg.cal) for subsequent selection of "W" files'
print
darkrecord = read_single_cal()

print
print, 'Select a series of light files by selecting one e.g. wpd# or wsd# for
print
filename=pickfile(filter='*.[Aa][Vv][Gg].[Cc][Aa][Ll]')


print
print, 'Extracting subdirectory and filetype'
print
substringposition = rstrpos(filename,'/')
filesubdirectory = strmid(filename,0,substringposition)
filename=strlowcase(filename)
filename = strmid(filename, substringposition+1)
substringposition = strpos(filename,'.w')
substringposition = substringposition + 3
filetypecharacter = strmid(filename,substringposition,1)

print
print, 'Searching WPx# and WSx# files'
print
filetypecharacterfilter = '[' + strupcase(filetypecharacter) + filetypecharact
filterend = '.[Aa][Vv][Gg].[Cc][Aa][Ll]'
filter = '*[Ww][Pp]' + filetypecharacterfilter + '*' + filterend
wpfiles = findfile(filesubdirectory + '/' + filter, COUNT=WpNumberOfFiles)
filter = '*[Ww][Ss]' + filetypecharacterfilter + '*' + filterend
wsfiles = findfile(filesubdirectory + '/' + filter, COUNT=WsNumberOfFiles)
```

```
print
print, 'Sorting arrays with filenames'
print
wsort = wpfiles
asort = SORT(wsort)
for i=0,WpNumberOfFiles-1 do wpfiles(i)=wsort(asort(i))
wsort = wpfiles
asort = SORT(wsort)
for i=0,WpNumberOfFiles-1 do wpfiles(i)=wsort(asort(i))


print
print, "Workdirectory is " + filesubdirectory
print, "Selected file is " + filename
print, 'Selected series is "' + filetypecharacter + '"'
print, 'Number of found files is: ', WpNumberOfFiles, ' and ', WsNumberOfFiles
print, wpfiles
print, wsfiles
print

print
print, 'Reading data files'
print
wsarray=fltarr(1024,8,WsNumberOfFiles)
wparray=fltarr(1024,8,WpNumberOfFiles)

for j=0,WsNumberOfFiles-1 do begin
        print, 'WS File ', WsNumberOfFiles - j
        filename=wsfiles(j)
        openr,lun,filename,/get_lun
        datarecord= read_cal_file(lun)
        free_lun,lun
        datarecord=subtract_cal_file_rec(datarecord,darkrecord)
        datarecord=normalize_cal_file_rec(datarecord)
        datarecord=all_corrections(datarecord)
        for i=0,7 do begin
                wsarray(*,i,j)=datarecord.dm(i).data
        endfor
endfor

for j=0,WpNumberOfFiles-1 do begin
        print, 'WP File ', WpNumberOfFiles - j
        filename=wpfiles(j)
        openr,lun,filename,/get_lun
        datarecord= read_cal_file(lun)
        free_lun,lun
        datarecord=subtract_cal_file_rec(datarecord,darkrecord)
        datarecord=normalize_cal_file_rec(datarecord)
        datarecord=all_corrections(datarecord)
        for i=0,7 do begin
                wparray(*,i,j)=datarecord.dm(i).data
        endfor
endfor


END
```

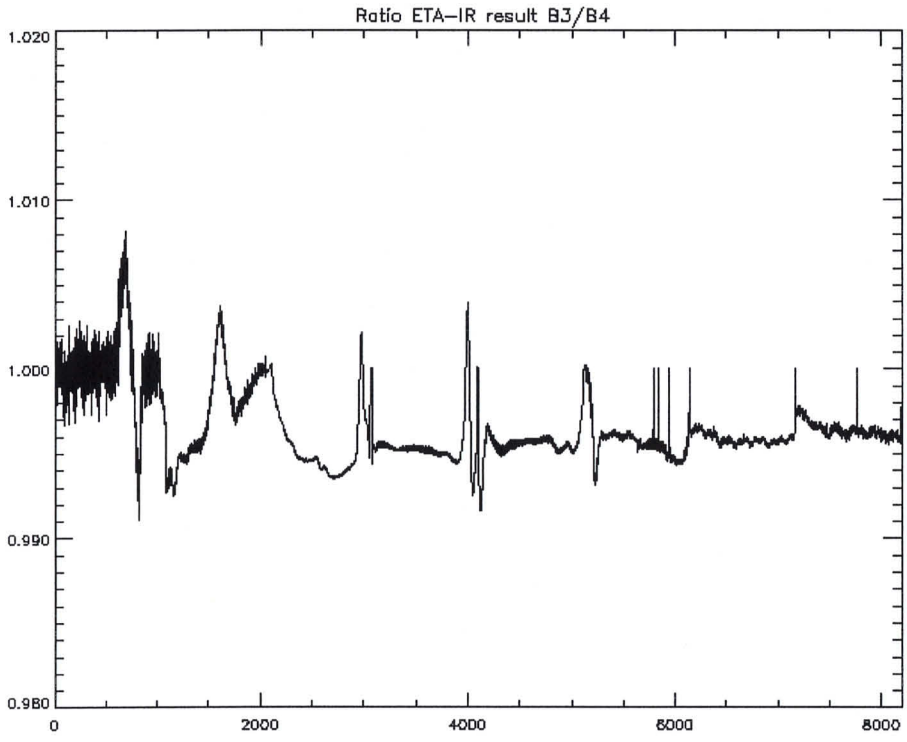
Marion4.pro

```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Sun Aug 16 23:23:20 1998
; by Marion Stoppelenburg
; compare the results of two ETA-IR measurements.

.compile cal_func
.compile cal_file_func

print
print, "select ETA-IR/3/.....du1.avg.cal.b.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-IR/3/.....du1.avg.cal.d.p1.cal"
print
record2= read_single_cal()


b1=fltarr(1024,8)
d1=fltarr(1024,8)


for i=0,7 do b1 (*,i)= record1.dm(i).data
for i=0,7 do d1 (*,i)= record2.dm(i).data


print
print, "select ETA-IR/4/.....du1.avg.cal.b.p1.cal"
print
record1= read_single_cal()

print
print, "select ETA-IR/4/.....du1.avg.cal.d.p1.cal"
print
record2= read_single_cal()

b2=fltarr(1024,8)
d2=fltarr(1024,8)

for i=0,7 do b2 (*,i)= record1.dm(i).data
for i=0,7 do d2 (*,i)= record2.dm(i).data

a1=where(b1 lt 0.01)
a2=where(d1 lt 0.01)
b1(a1)=1.0
d1(a2)=1.0

a1=where(b2 lt 0.01)
a2=where(d2 lt 0.01)
b2(a1)=1.0
d2(a2)=1.0

b0 = b1/b2
d0 = d1/d2

window, 0
plot, b0, yrange=[0.98,1.02], title="Ratio ETA-IR result B3/B4", xrange=[0,819
window, 1
plot, d0, yrange=[0.98,1.02], title="Ratio ETA-IR result D3/D4", xrange=[0,819
```

PPC = 5

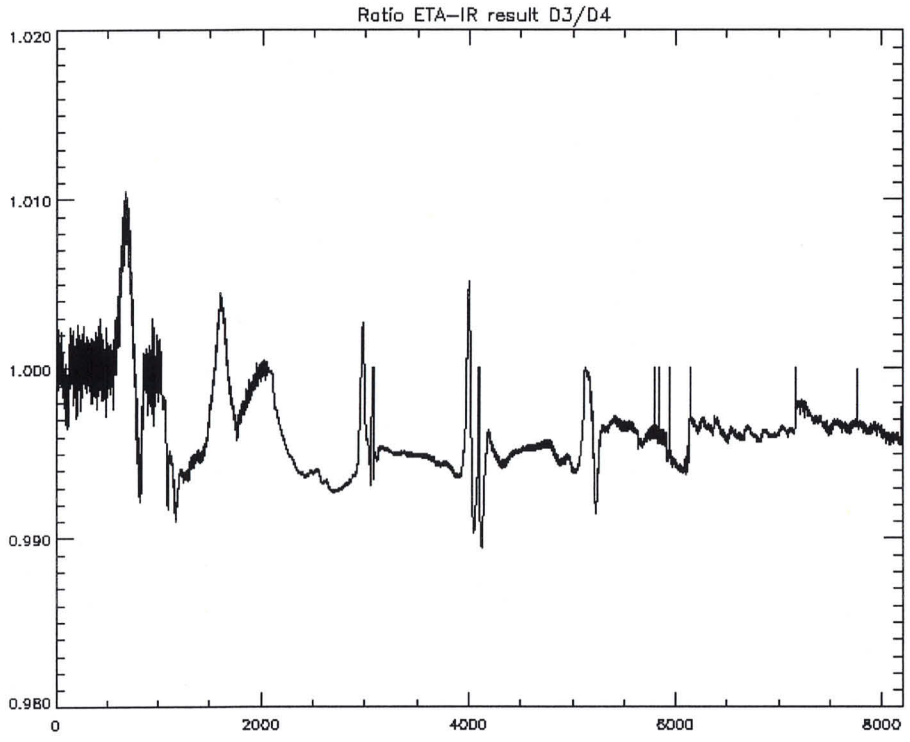
$1300 \lesssim \lambda \lesssim 2200$

ch - 6, 7, 8



PPC = 15

$360 \lesssim D \lesssim 900$



Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
17-8	eta_ambient analysis	
1:33 UTC		
	* error in software software adapted software has to be checked by Dnadre	
	* eta_limb => no results • dummy 1 * eta_nadir => all straight lines !? predicted ??? — Summerdata = 1.	
	* zeta => dummy 1	
	$eta\_limb = \frac{(tmp * alas1s) + alas1p}{(tmp * alap1s) + alap1p} = \frac{tmp}{tmp} = 1$ (alas1s = alas1p = alap1s = alap1p = 1)	
	idem eta_nadir zeta. Dus het klopt!	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 7-8-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	Dir 0228_19.23.01_ETA-IR * 1608 1998_19261534.dat -19595365 58.dat -20332015 0.dat -21.07 03 005.dat -21402 6 207.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/ETA-AMBIENT ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		0
		
		1
		(Y) / N
			Note: In window DATA-DIR
			(B)
			
			(C)

	directory name is:	`~/DATA-DIR/ETA-AMBIENT/<C>`	(DIR-NAME)
Copy input files			
1	Let <I1> be the ETA-UV calibration file with the extension '*.a.p1.cal' (i.e., full path name of <I1> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.a.p1.cal`) Full path name of <I1>	ETA-uv/1/* 1308 1998 -17482477g	In DATA-DIR window (I1) *
	Let <I2> be the ETA-UV calibration file with the extension '*.c.p1.cal' (i.e., full path name of <I2> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.c.p1.cal`) Full path name of <I2>	idem	In DATA-DIR window (I2)

uit ETA-uv/1 met REP=10

Let <I3> be the ETA-UV calibration file with the extension '*.e.p1.cal' (i.e., full path name of <I3> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.e.p1.cal`)
Full path name of <I3> idem (I3)

In DATA-DIR window

Let <I4> be the ETA-IR calibration file with the extionsion '*.b.p1.cal' (i.e., full path name of <I4> is something like: `~/DATA-DIR/ETA-IR/<number>/<abc>.b.p1.cal`)
Full path name of <I4> * 16081998-192610534. * (I4)

uid ETA-IR/4 med REP = 4

Let <I5> be the ETA-IR calibration file with the extionsion '*.d.p1.cal' (i.e., full path name of <I4> is something like: `~/DATA-DIR/ETA-IR/<number>/<abc>.d.p1.cal`)
Full path name of <I5> idem (I5)

```
cp <I1> <DIR-NAME>
cp <I2> <DIR-NAME>
cp <I3> <DIR-NAME>
cp <I4> <DIR-NAME>
cp <I5> <DIR-NAME>

cp <I1>.log <DIR-NAME>

cp <I2>.log <DIR-NAME>

cp <I3>.log <DIR-NAME>

cp <I4>.log <DIR-NAME>

cp <I5>.log <DIR-NAME>
ls -l <DIR-NAME>
```

Are <I1> ,..., <I5> present in <DIR-NAME>? (Y) / N

ETA processing

Run ETA `idl do_eta_ambient` — In IDL Window

Check ETA `ls -l *` — In DATA-DIR window

ANALYSIS HALTED because of ERROR.

Size of file `<I1>.tmp.keydata`	254 kb
Size of file `<I1>.eta-nadir.<angle>.keydata`	254 k 5 stuks
Size of file `<I1>.eta-limb.<angle-comb>.keydata`	254 k 10 stuks
Size of file `<I1>.zeta.<angle-comb>.keydata`	254 k 10 stuks

where `<angle-comb>` is an ASM-ESM angle combination, and `<angle>` is a ESM angle.

Print logfiles `lpr -P<printer> *.log`

Add logfiles to logbook, done Y / N

Back up

Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).

Name of backup CDs _____

See analysis sheet BackUp

Sign:

Name _____

Date and time 17-8-98

Signature _____

ANALYSIS REDONE

18-8-98

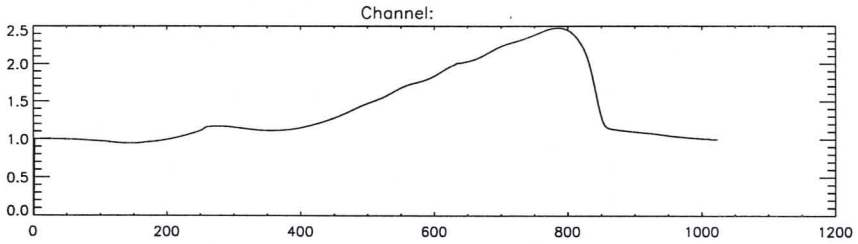
```
;
; FILE = amb_eta.pro
;
;
; Functions to combine Optec calibration data (for eta) with
; Ambient calibration data.
;
; AUTHOR:
;       Andre Bos (TNO-TPD)
;
; DATE:
;       March 1998
;
;
;       17 July 1998 (BOS):
;               Added code to handle dremark1 labels of the form:
;               wpa#, wsa#, ...., wpe#, wse#.
;               instead of
;               wp#, ws#, ...., wp#, ws#.
;
;               The extra label a,b,c,d,e indicates the PPC setting:
;
;  e third element in dremark1 label (for ETA measurements):
;
;                PPC    third element wavelength area channel
;IR:             5       b               1200-2400       7-8
;                15      d               1000-1200       6
;
;UV:             0       a               240 - 300       1
;                12.5    c               300 - 400       2
;                18.3    e               400 - 1000      3-5
;
;
;
;       23 July 1998: (A. Bos)
;
;       Changed processing of eta_nadir.
;       Only ESM mirror angles.
;

@cal_file_func
@  l_func
@amb_func
@wl
@correction

FUNCTION        combine_eta_uv_ir, uv_data, ir_data
;
;       Construct CAL_FILE_REC where
;       channel 1-5 (0-4) contain UV information and
;       channel 6-8 (5-7) contain IR data
;
;
        result = copy_cal_file_rec(uv_data)
        for ch = 3,7 do begin
                result.dm(ch).data = ir_data.dm(ch).data
        endfor
        return, result
END

PRO     ascii_eta_key_data, wl_data, data, filen
;
;       Print ETA key data in ascii file
;
```

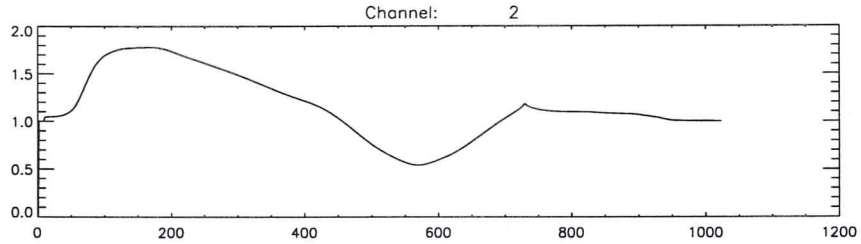
```
;print, 'Inspect ....'
;a = get_kbrd(1)
        openw, lun, filen, /GET_LUN
        printf, lun, 'Eta key data'
        printf, lun, FORMAT='(13X, "WL", 8X, "Keydata", 12X)'
        for ch = 0, 7 do begin
                for p = 0, 1023 do begin
                        printf, lun, wl_data.dm(ch).data(p), $
                                data.dm(ch).data(p), $
                                FORMAT='(2F15.4)'
                endfor
                printf, lun, ' '
        endfor
        close, lun
        free_lun, lun
END

PRO     ambient_eta_processing, eta_uv, eta_ir, prefix_filename, $
                eta_uv_name, eta_ir_name
;
;       Calculate:                          Stored in:
;       - tmp       (eq. 3.1.5)             prefix_filename.TMP.CAL
;       - eta_nadir (eq. 3.1.8)             prefix_filename.ETA_NADIR.CAL
;       - eta_limb  (eq. 3.1.11)            prefix_filename.ETA_LIMB.CAL
;       - zeta      (eq. 3.1.12)            prefix_filename.ZETA.CAL
;
;       - corresponding wavelength          prefix_filename.WL.CAL

@amb_angles
        ; Combine Optec Eta UV and Optec Eta IR file
        eta_both = combine_eta_uv_ir(eta_uv, eta_ir)
plot, eta_both.dm(1).data

        tmp       = {CAL_FILE}
        wl_store  = {CAL_FILE}

        for ch = 0, 7 do begin
                pixels = findgen(1024)
                wls    = pix_2_wl(pixels, ch)

                ;;; Get ambient scanner data
                an0unp = amb_an0unp(wls)
                an0uns = amb_an0uns(wls)


                wl_store.dm(ch).data = wls
                data   = eta_both.dm(ch).data
                tmp_data = data * (an0unp / an0uns)
                tmp.dm(ch).data = tmp_data
        endfor

        ;;; Now for all ASM ESM angle combinations
        n_comb = n_elements(asm_esm_table_2(0,*))

        n_esm  = n_elements(ESM_table_1(*))

        eta_nadir = REPLICATE({CAL_FILE}, n_esm)
        eta_limb  = REPLICATE({CAL_FILE}, n_comb)
        zeta      = REPLICATE({CAL_FILE}, n_comb)


        anauns = fltarr(1024, 8)
        anaunp = fltarr(1024, 8)
        alasls = fltarr(1024, 8)
```

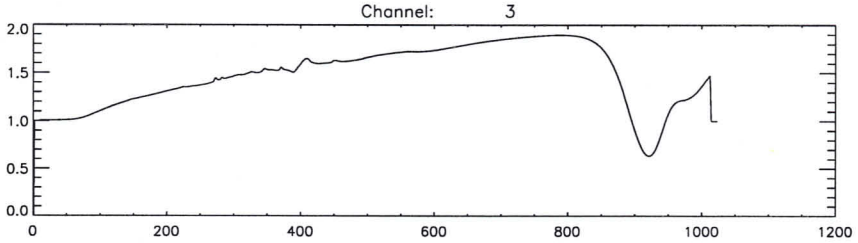
```
        alaslp = fltarr(1024, 8)
        alapls = fltarr(1024, 8)
        alaplp = fltarr(1024, 8)
        alamls = fltarr(1024, 8)
        alamlp = fltarr(1024, 8)
        ala4ls = fltarr(1024, 8)
        ala4lp = fltarr(1024, 8)

        for esm_c = 0, n_esm-1 do begin
           for ch = 0, 7 do begin
                wls = wl_store.dm(ch).data
                esm = ESM_table_1(esm_c)

                anauns = amb_anauns(wls, esm, -1)
                anaunp = amb_anaunp(wls, esm, -1)

                eta_nadir(esm_c).dm(ch).data = tmp_data * (anauns / anaunp)

           endfor
        endfor

        for ai = 0, n_comb-1 do begin
           for ch = 0, 7 do begin
                wls = wl_store.dm(ch).data

                angle_comb = asm_esm_table_2(*,ai)
                asm = angle_comb(0)
                esm = angle_comb(1)
print,'Combination ', asm, esm
print,'Channel ', ch

                alasls = amb_alasls(wls, esm, asm)
                alaslp = amb_alaslp(wls, esm, asm)
                alapls = amb_alapls(wls, esm, asm)
                alaplp = amb_alaplp(wls, esm, asm)
                alamls = amb_alamls(wls, esm, asm)
                alamlp = amb_alamlp(wls, esm, asm)
                ala4ls = amb_ala4ls(wls, esm, asm)
                ala4lp = amb_ala4lp(wls, esm, asm)



                tmp_data = tmp.dm(ch).data
                eta_limb(ai).dm(ch).data  = $
                        ((tmp_data * alasls) + alaslp) / $
                                ((tmp_data * alapls) + alaplp)
                zeta(ai).dm(ch).data      = $
                                ((tmp_data * alamls) + alamlp) / $
                                ((tmp_data * ala4ls) + ala4lp)
           endfor
        endfor

        ;;; Save iesm
        ascii_f = prefix_filename + '.eta.keydata'
        ascii_eta_key_data, wl_store, eta_both, ascii_f

        print, 'Store file : ', ascii_f

        cal_file_rec_to_ps, eta_both, ascii_f + '.ps'
        write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of ETA',  ascii_f, /AMB

        ascii_f = prefix_filename + '.tmp.keydata'
        ascii_eta_key_data, wl_store, tmp, ascii_f
```

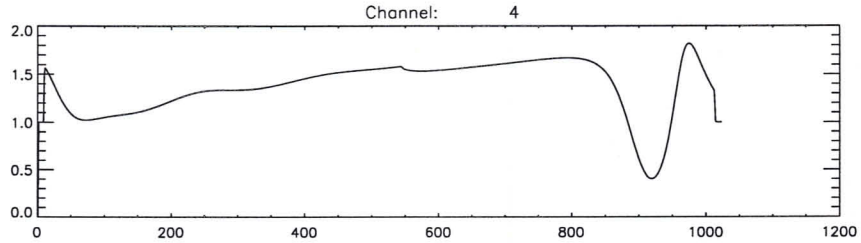
```
        print, 'Store file : ', ascii_f

        cal_file_rec_to_ps, tmp, ascii_f + '.ps'
        write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of TMP (eq. 3.1.5)',  ascii_f, /AMB


        ;;; Write TMP in CAL file
        tmp_file = prefix_filename + '.TMP.DAT.CAL'
        save_cal_file_rec, tmp, tmp_file
        write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of TMP (eq. 3.1.5) ', tmp_file, /AMB

        ;;; Adjust wl_store to [m]
        ;for ch = 0, 7 do begin
                ;wl_store.dm(ch).data = wl_store.dm(ch).data * 1.0e-9
        ;endfor
        tmp_wl_file = prefix_filename + '.TMP.WLS.CAL'
        save_cal_file_rec, wl_store, tmp_wl_file
        write_log_2f, eta_uv_name, eta_ir_name, $
        'Wavelength value corresponding to TMP (eq. 3.1.5)',  tmp_wl_file, /AM

        for esm_c = 0, n_esm-1 do begin
                esm = ESM_table_1(esm_c)
                s_comb = strcompress(string(esm),/remove_all)
                ascii_f = prefix_filename + '.eta_nadir.' + s_comb + '.keydata
                ascii_eta_key_data, wl_store, eta_nadir(esm_c), ascii_f
        print, 'Store file : ', ascii_f
                cal_file_rec_to_ps, eta_nadir(ai), ascii_f + '.ps'
                write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of ETA_NADIR (eq. 3.1.8)',  ascii_f, /AMB
        endfor

        for ai = 0, n_comb-1 do begin
                ai_comb = asm_esm_table_2(*,ai)
                asm = ai_comb(0)
                esm = ai_comb(1)
                s_comb = strcompress(string(asm),/remove_all) $
                        + strcompress(string(esm),/remove_all)



                ascii_f = prefix_filename + '.eta_limb.' + s_comb + '.keydata'
                ascii_eta_key_data, wl_store, eta_limb(ai), ascii_f
                cal_file_rec_to_ps, eta_limb(ai), ascii_f + '.ps'
                write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of ETA_LIMB (eq. 3.1.11)',  ascii_f, /AMB
                ascii_f = prefix_filename + '.zeta.' + s_comb + '.keydata'

        print, 'Store file : ', ascii_f

                ascii_eta_key_data, wl_store, zeta(ai), ascii_f
                cal_file_rec_to_ps, zeta(ai), ascii_f + '.ps'
                write_log_2f, eta_uv_name, eta_ir_name, $
                        'Computation of ZETA (eq. 3.1.12)',  ascii_f, /AMB
        endfor
END


PRO     ambient_eta, DIR = DIR
        print, '***** ambient_eta processing'
```

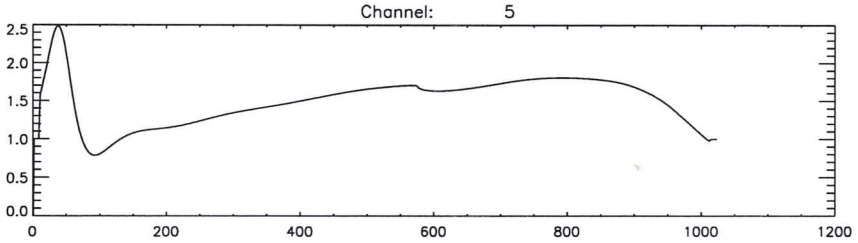
```
        print, 'Read ambient correction files'
        read_amb_files

        print, 'Select WL COEF file'
        IF NOT KEYWORD_SET(DIR) then begin
                read_wl_file
        endif else begin
                if (DIR EQ 'DEFAULT') then begin
                        DIR = getenv('CALDATADIRCORR')
                endif else begin
                        print, 'Select directory with wl file '
                        DIR = get_directory()
                endelse
                read_wl_file, DIR=DIR
        endelse
        print, 'Select Optec Eta UV file with code: *a.p1*'
        eta_uv_a = read_single_cal(Filen = eta_uv_name_a, $
                filter='*.a.[Pp]1.[Cc][Aa][Ll]*')
        print, 'Select Optec Eta UV file with code: *c.p1*'
        eta_uv_c = read_single_cal(Filen = eta_uv_name_c, $
                filter='*.c.[Pp]1.[Cc][Aa][Ll]*')
        print, 'Select Optec Eta UV file with code: *e.p1*'
        eta_uv_e = read_single_cal(Filen = eta_uv_name_e, $
                filter='*.e.[Pp]1.[Cc][Aa][Ll]*')

        print, 'Select Optec Eta IR file with code: b'
        eta_ir_b = read_single_cal(Filen = eta_ir_name_b, $
                filter='*.b.[Pp]1.[Cc][Aa][Ll]*')
        print, 'Select Optec Eta IR file with code: d'
        eta_ir_d = read_single_cal(Filen = eta_ir_name_d, $
                filter='*.d.[Pp]1.[Cc][Aa][Ll]*')



        prefix_output_filename = eta_uv_name_a

        ;; Construct UV cal_file rec
        eta_uv = eta_uv_a
        eta_uv.dm(1).data = eta_uv_c.dm(1).data
        eta_uv.dm(2).data = eta_uv_e.dm(2).data
        eta_uv.dm(3).data = eta_uv_e.dm(3).data
        eta_uv.dm(4).data = eta_uv_e.dm(4).data

        ;; Construct IR cal_file rec
        eta_ir = eta_ir_b
        eta_ir.dm(5).data = eta_ir_d.dm(5).data

        eta_uv_name = eta_uv_name_a + ' and ' + eta_uv_name_c + ' and ' + $
                        eta_uv_name_e

        eta_ir_name = eta_ir_name_b + ' and ' + eta_ir_name_d

        ambient_eta_processing, eta_uv, eta_ir, prefix_output_filename, $
                eta_uv_name, eta_ir_name
END
```

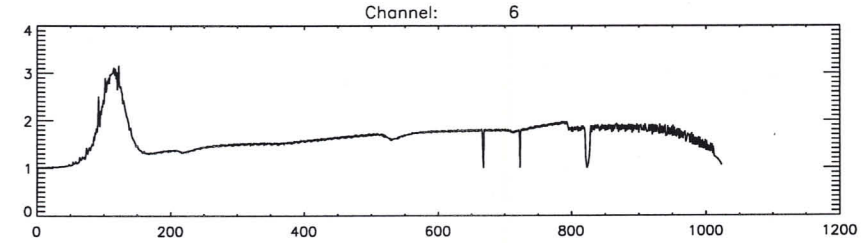

Channel:

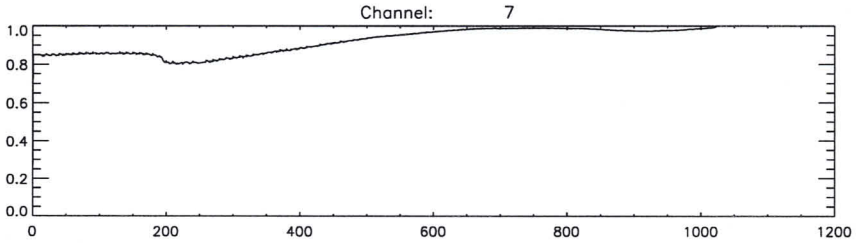

Channel: 2

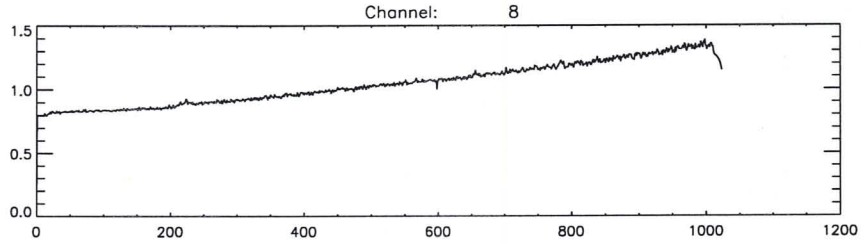

Channel: 3

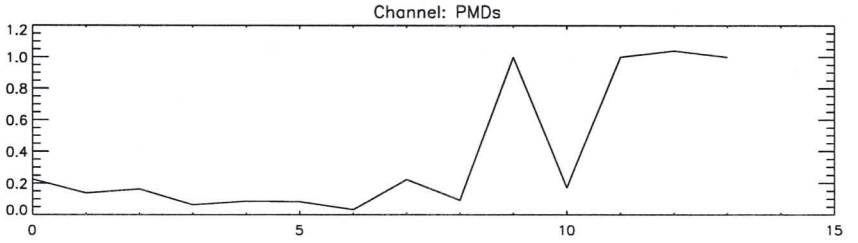

Channel: 4

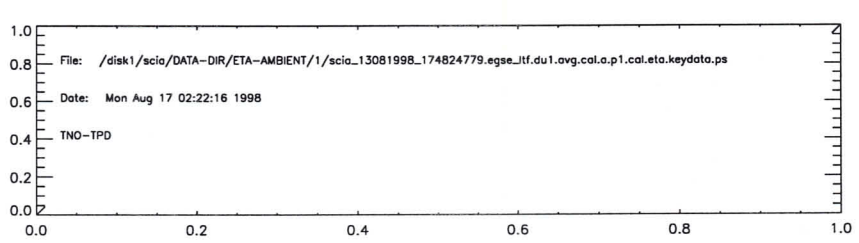

Channel: 5

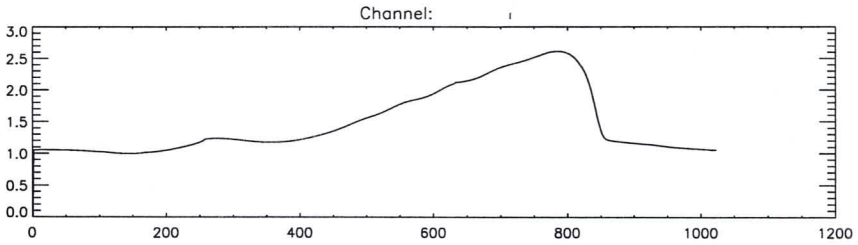

Channel: 6

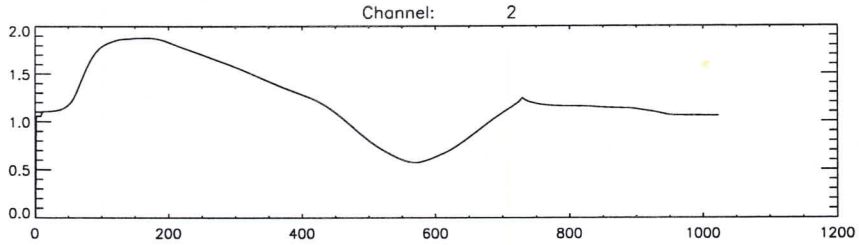

Channel: 7

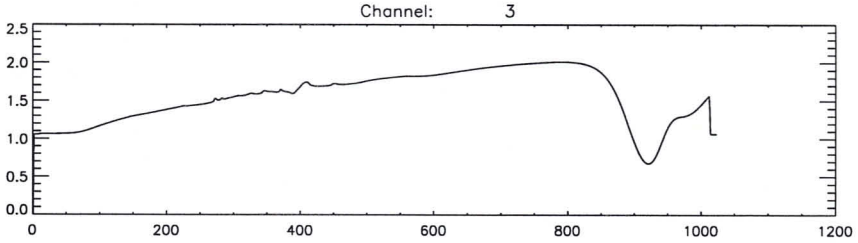

Channel: 8

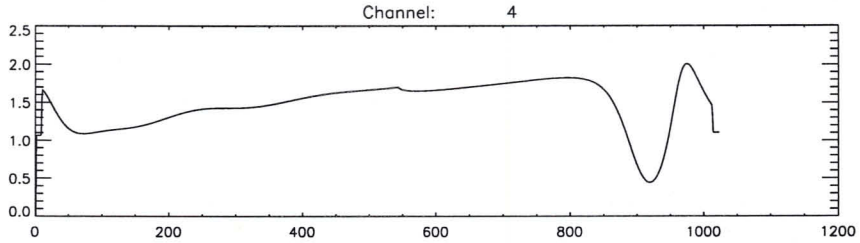

Channel: PMDs

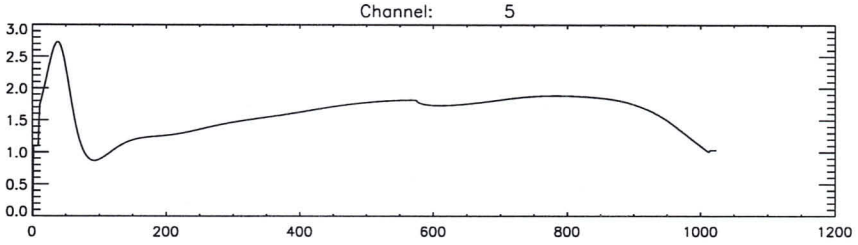

File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.ps
Date: Mon Aug 17 02:22:16 1998
TNO-TPD

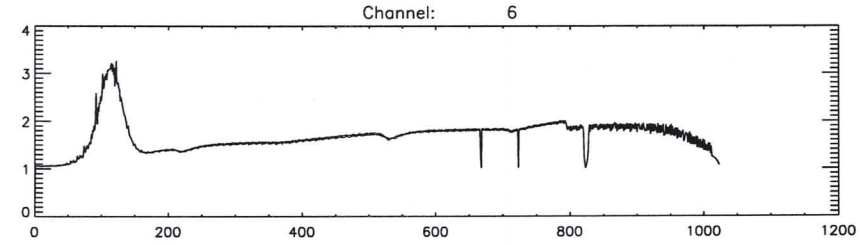

Channel:
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

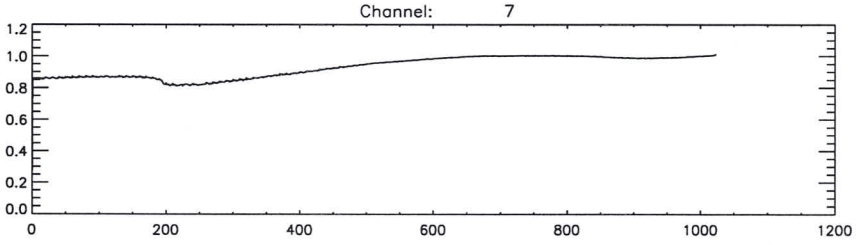

Channel: 2
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

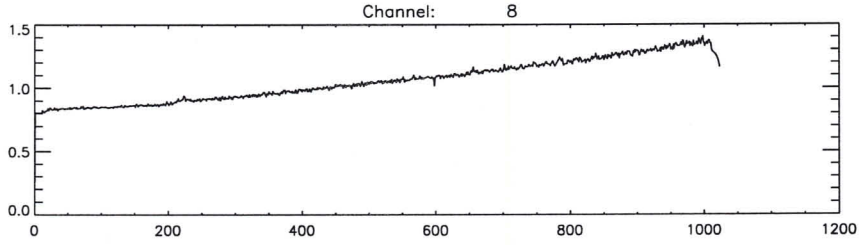

Channel: 3
2.5
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

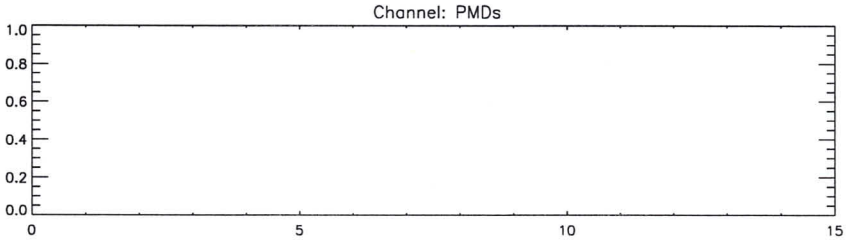

Channel: 4
2.5
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

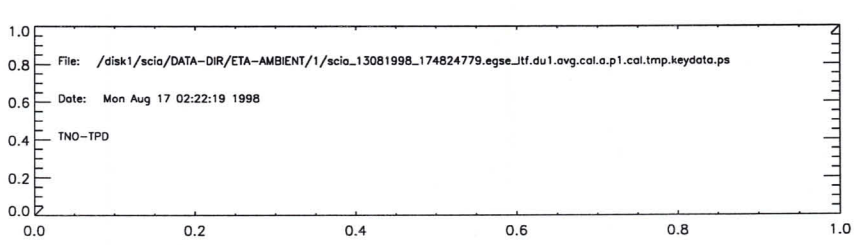

Channel: 5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200


Channel: 6
4
3
2
1
0
0
200
400
600
800
1000
1200


Channel: 7
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.tmp.keydata.ps
Date: Mon Aug 17 02:22:19 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of TMP (eq. 3.1.5)
Processing time: Mon Aug 17 03:17:16 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Wavelength value corresponding to TMP (eq. 3.1.5)
Processing time: Mon Aug 17 03:17:16 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA
Processing time: Mon Aug 17 03:17:13 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ɛ   slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:18:09 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:56 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:18:00 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ɛ  slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:18:04 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:51 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć  slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:34 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ɛ slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:47 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:38 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:29 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
; .slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Mon Aug 17 03:17:43 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć  slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Mon Aug 17 03:17:27 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
; slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Mon Aug 17 03:17:25 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Mon Aug 17 03:17:23 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
   ıslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Mon Aug 17 03:17:21 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Mon Aug 17 03:17:18 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;  .slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa8.avg.cal
  lisk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:56:04 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of TMP (eq. 3.1.5)
Processing time: Mon Aug 17 03:17:15 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
 ıslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:18:11 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
   ıslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:58 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:18:02 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ε slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:18:07 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a  slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:54 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ɛ  slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:36 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:49 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ɛ slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:40 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć   slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:32 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Mon Aug 17 03:17:45 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc8.avg.cal
   isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:57:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.c.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse8.avg.cal
   isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:58:25 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:19 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.b.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:48 1998
Output file name:
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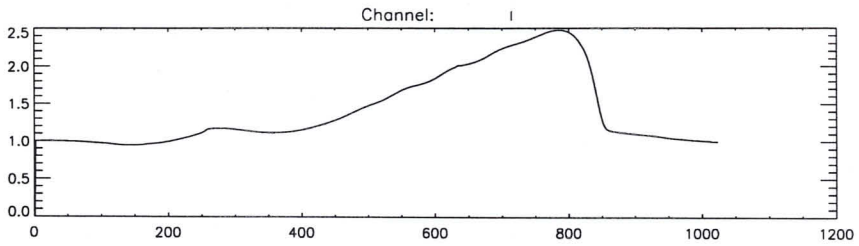
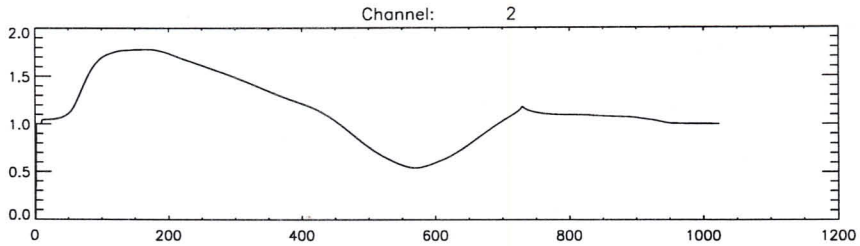
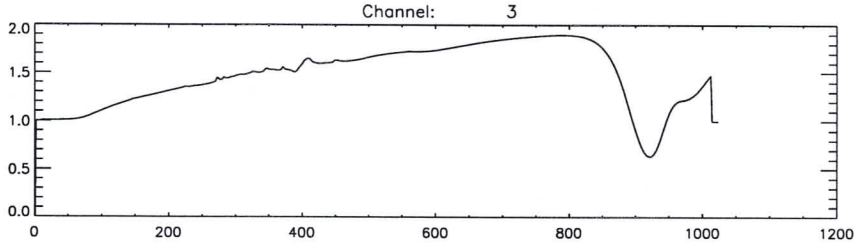

Channel: 1


Channel: 2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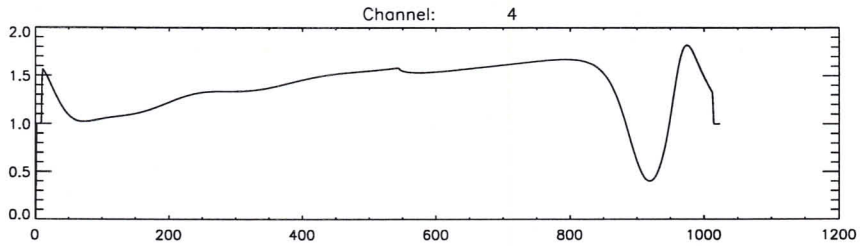
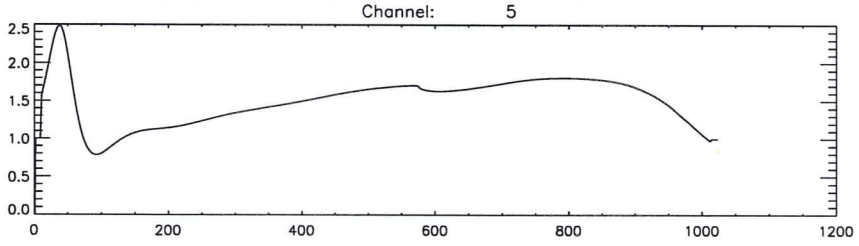

Channel: 4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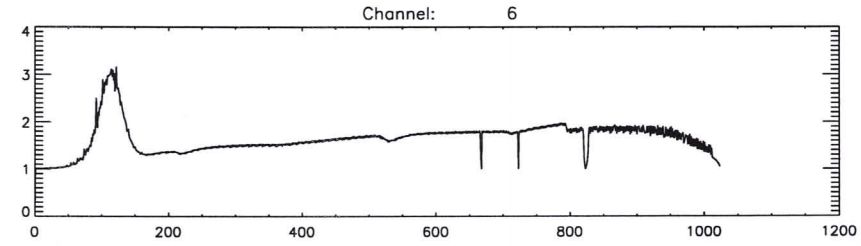
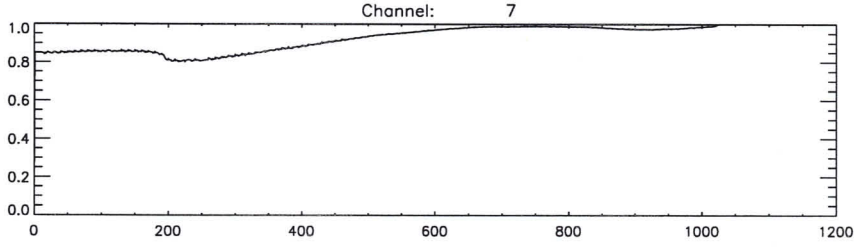
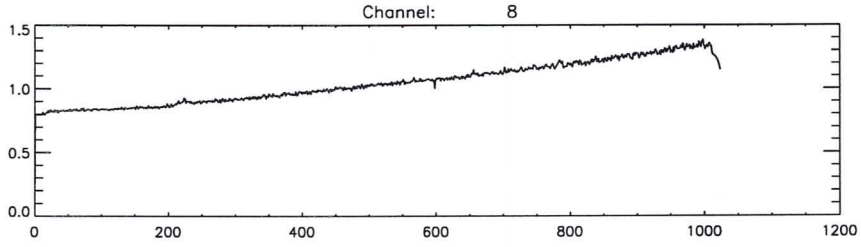

Channel: 6


Channel: 7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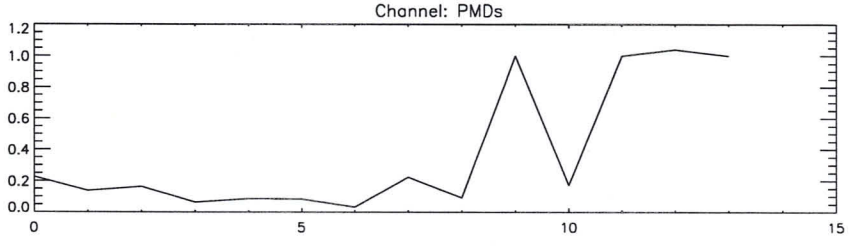
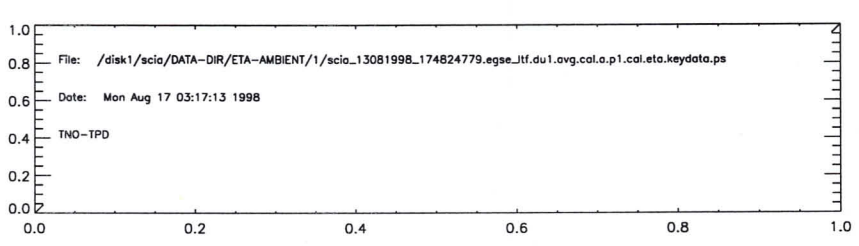

Channel: PMDs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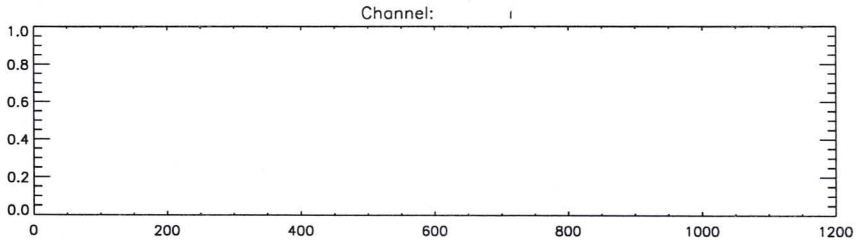
Date: Mon Aug 17 03:17:13 1998
TNO-TPD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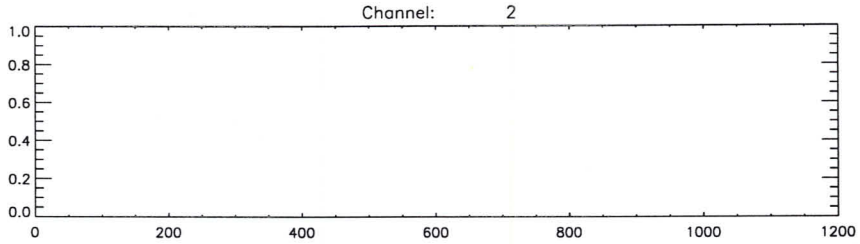
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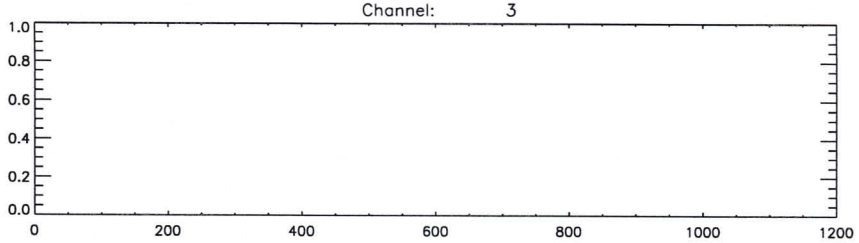
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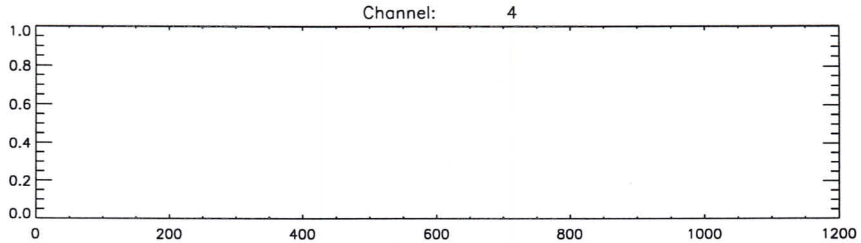
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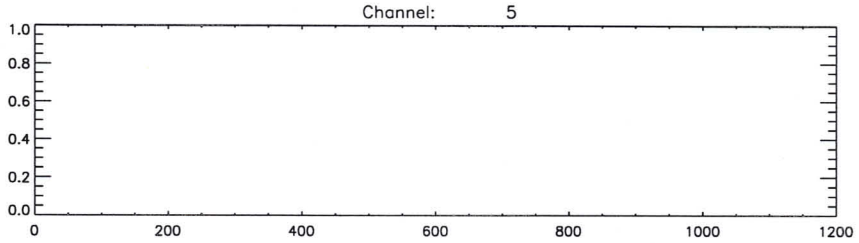
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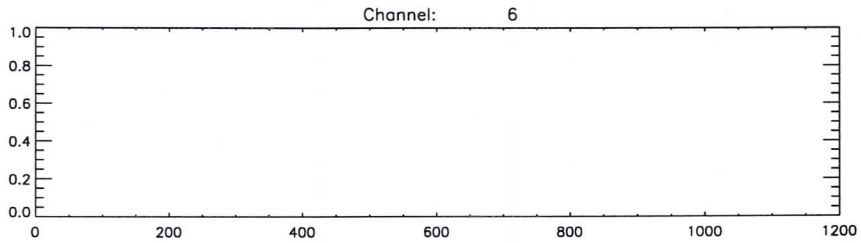
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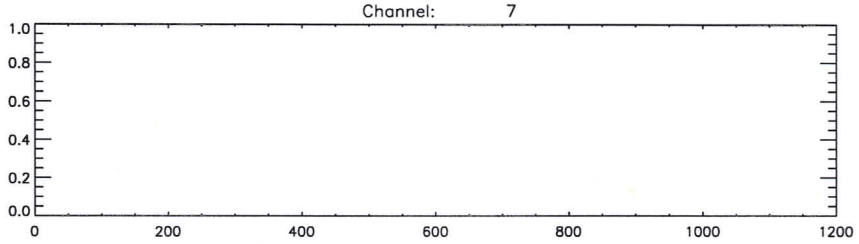
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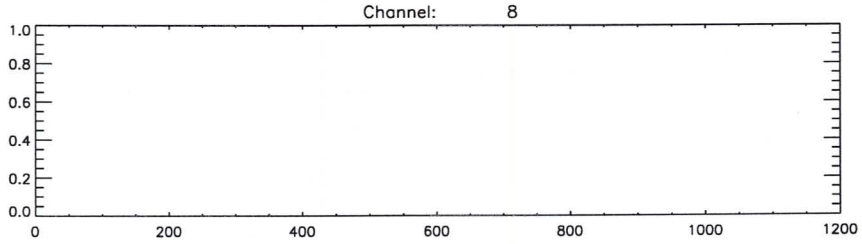
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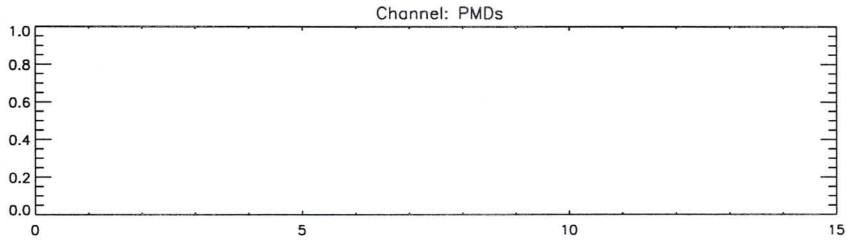
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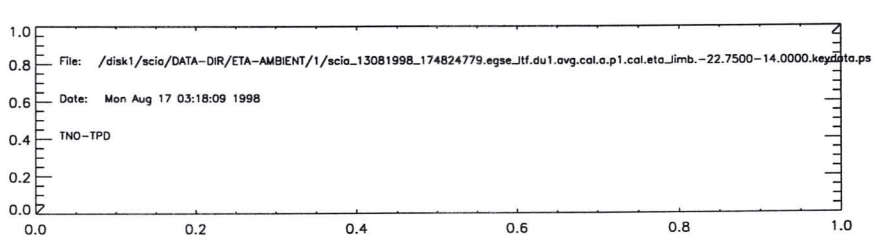
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Date: Mon Aug 17 03:18:09 1998
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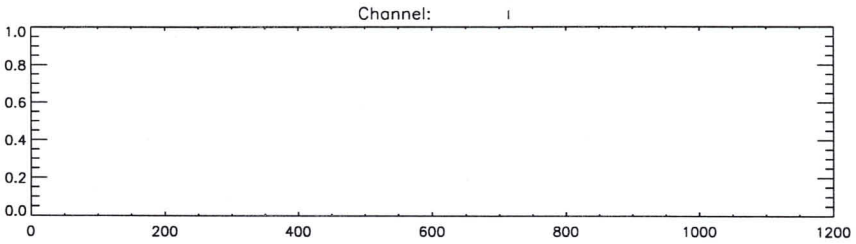
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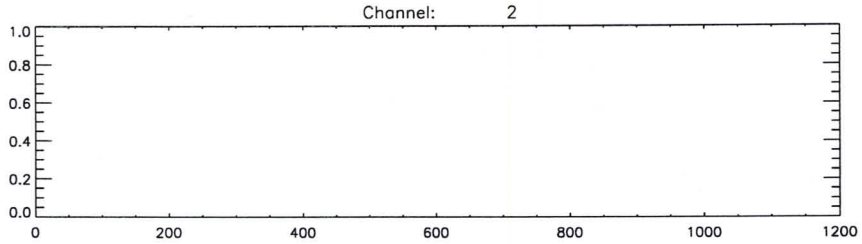
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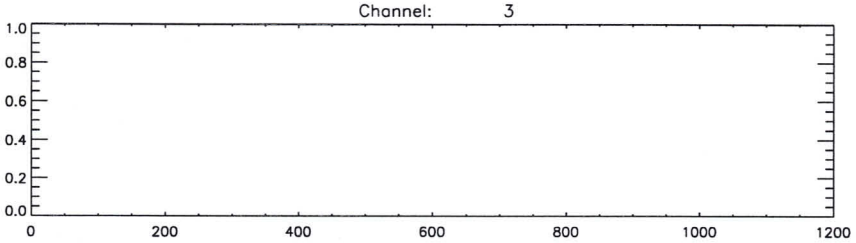
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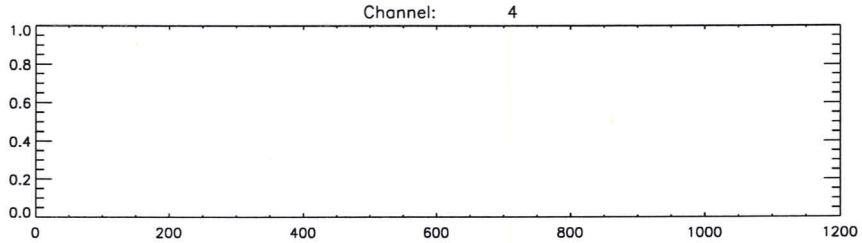
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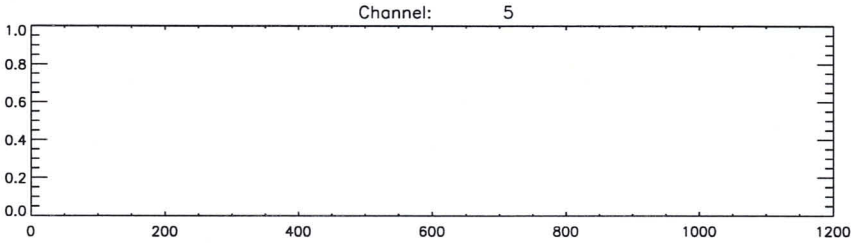
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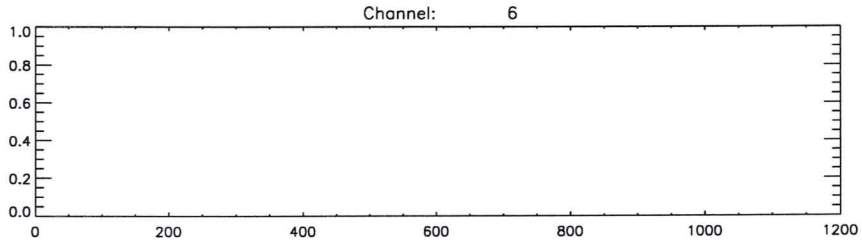
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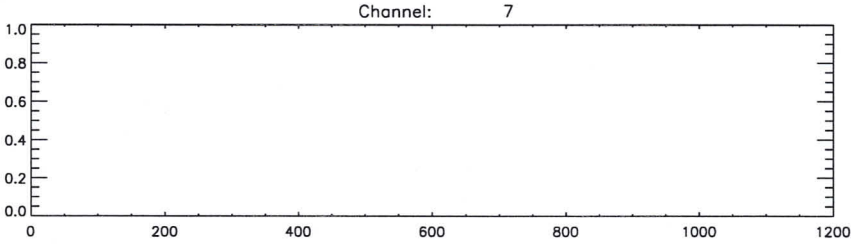
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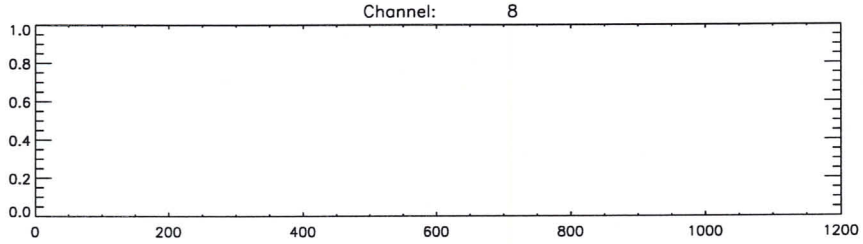
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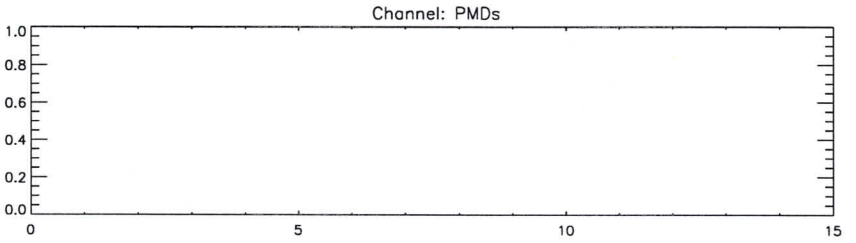
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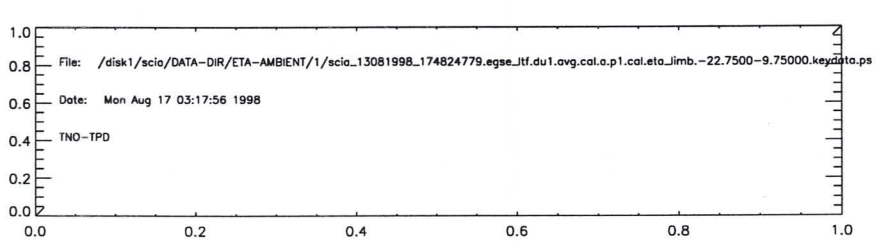
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Date: Mon Aug 17 03:17:56 1998
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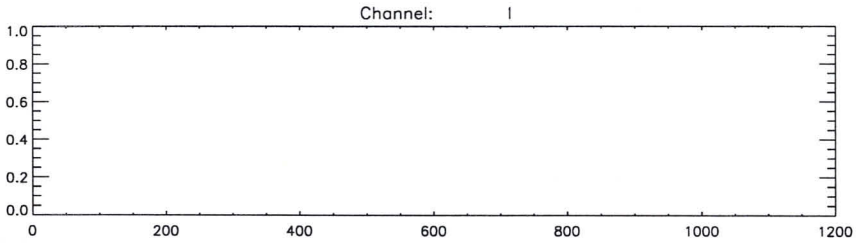
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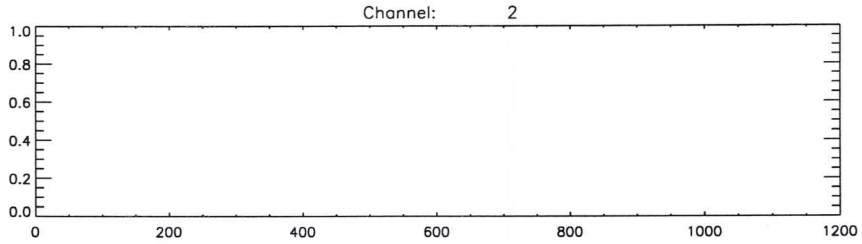
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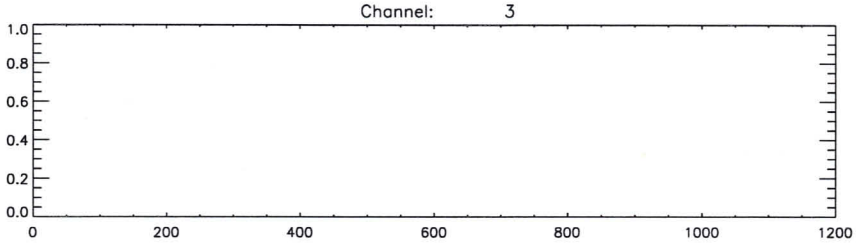
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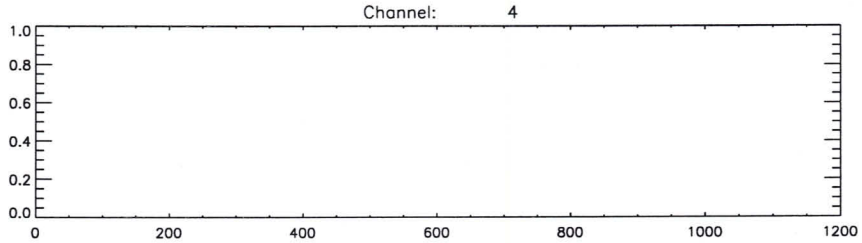
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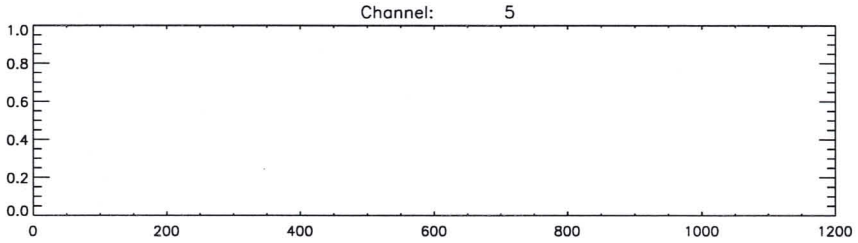
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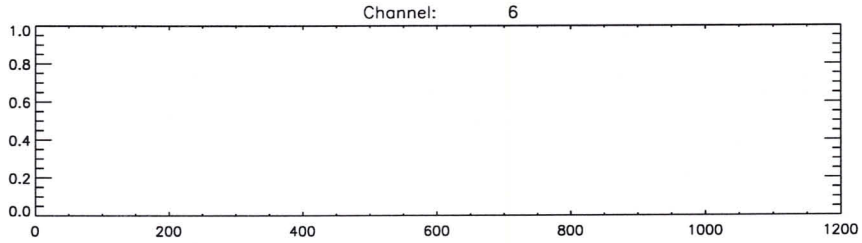
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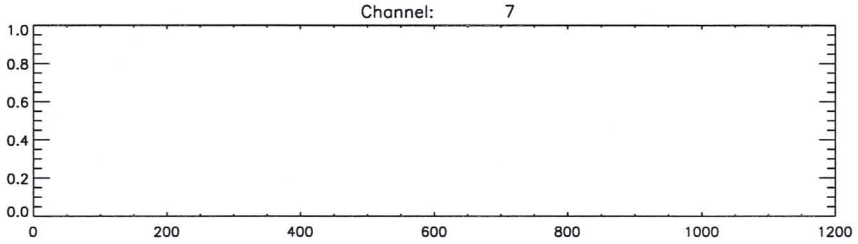
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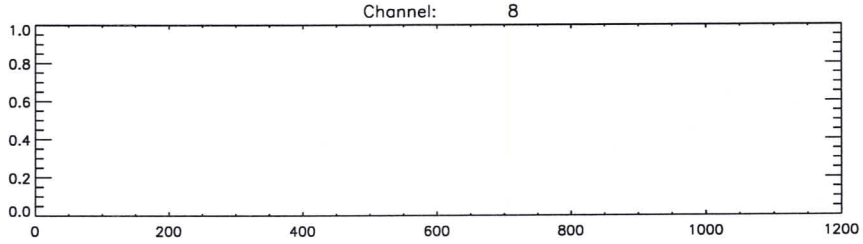
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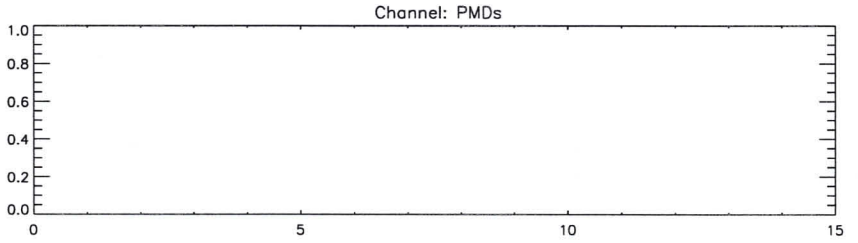
Channel: PMDs
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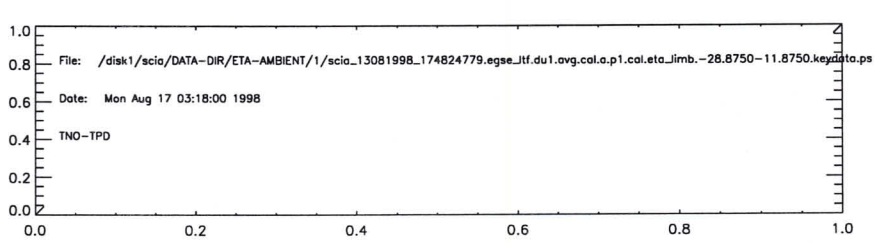
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750-11.8750.keydata.ps
Date: Mon Aug 17 03:18:00 1998
TNO-TPD
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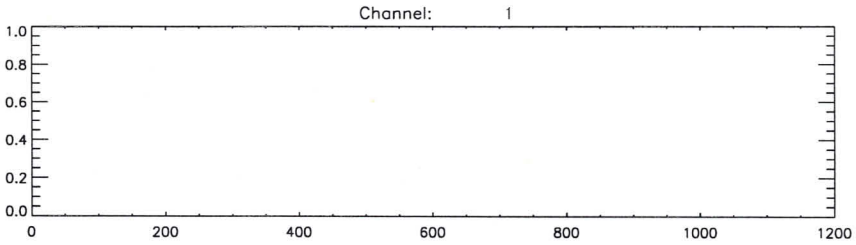
0.8
1.0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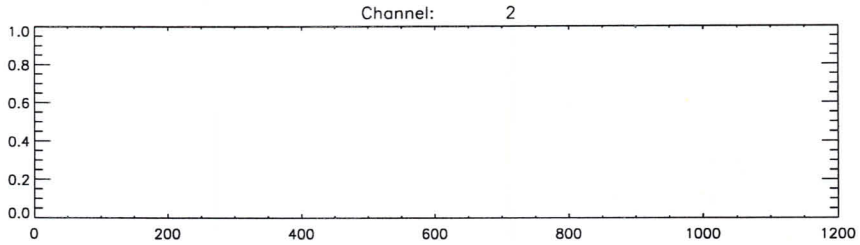
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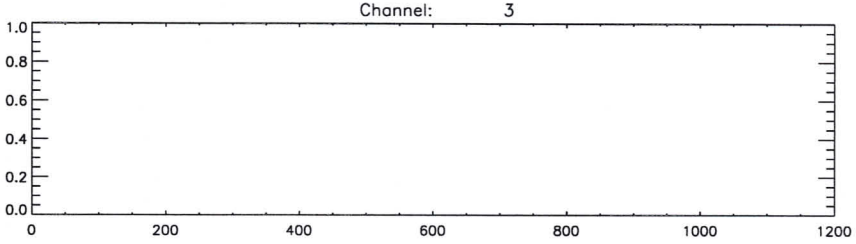
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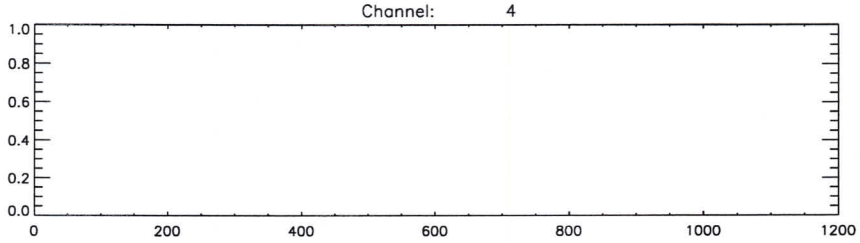
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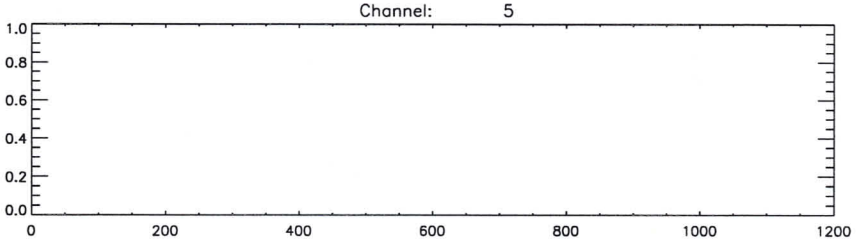
Channel: 5
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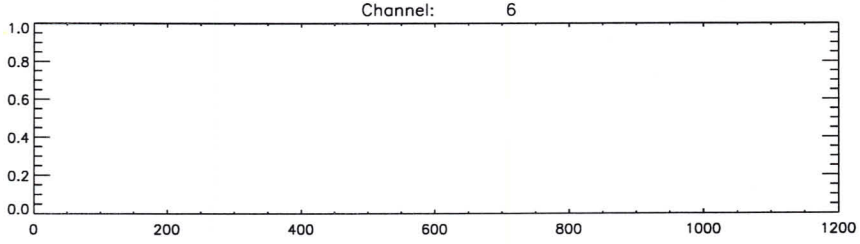
Channel: 6
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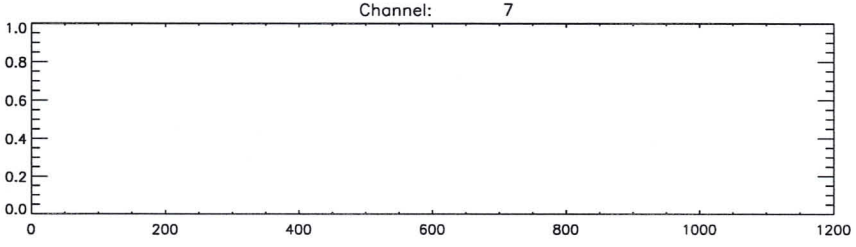
Channel: 7
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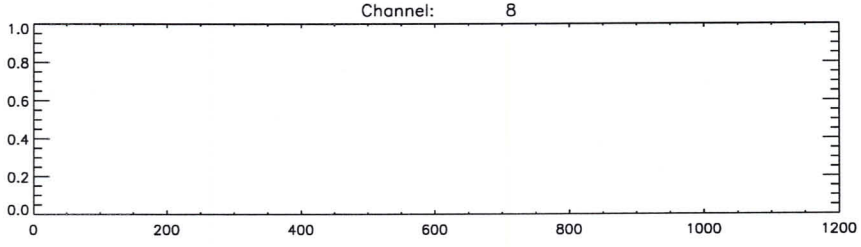
Channel: 8
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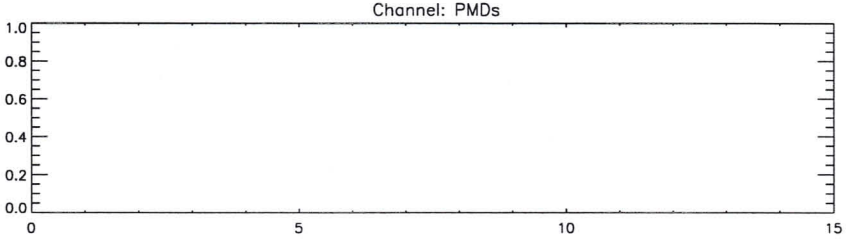
Channel: PMDs
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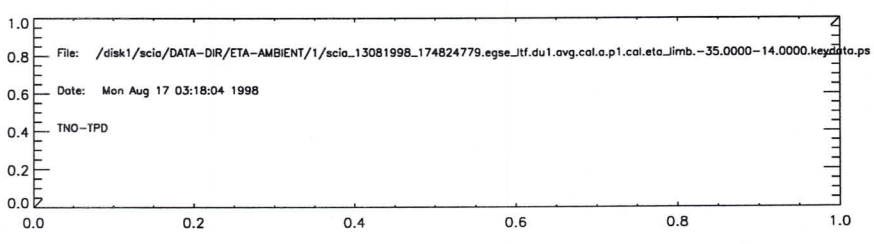
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-14.0000.keydata.ps
Date: Mon Aug 17 03:18:04 1998
TNO-TPD
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0.2
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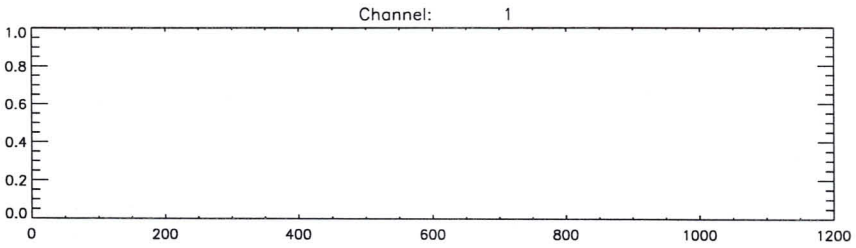
0.8
1.0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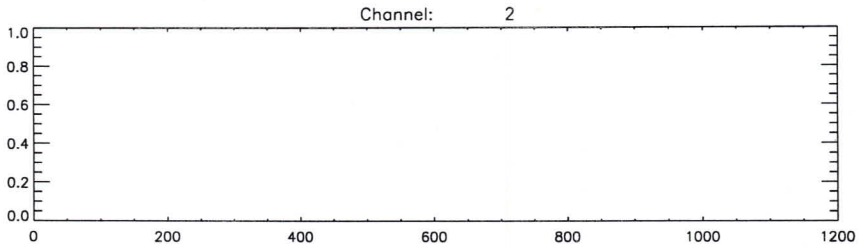
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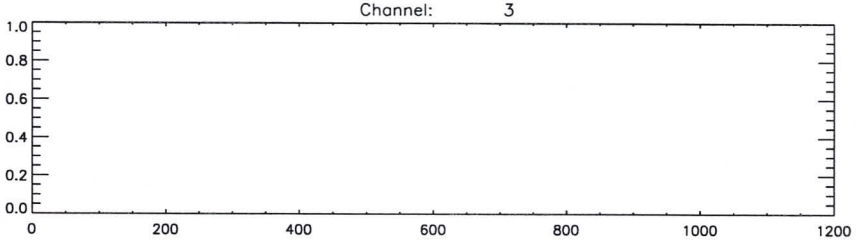
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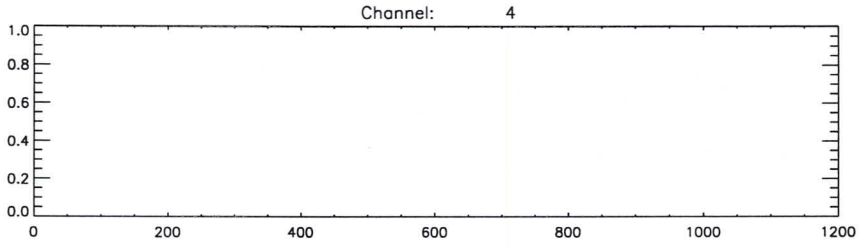
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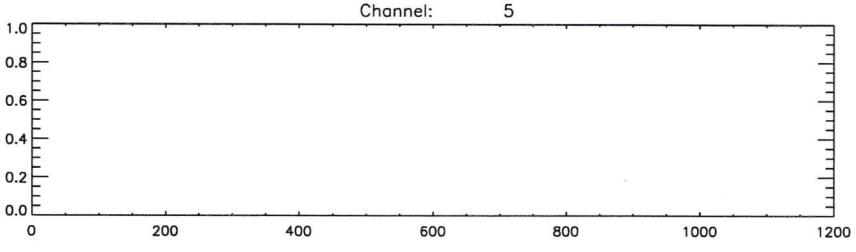
Channel: 5
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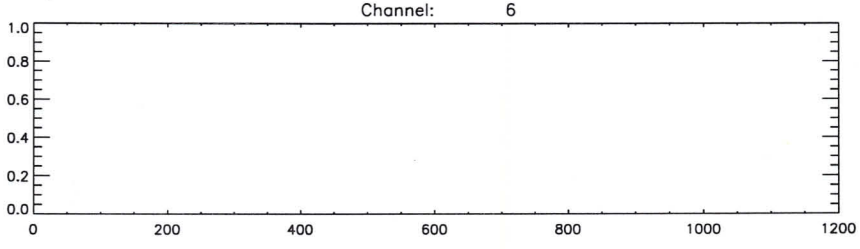
Channel: 6
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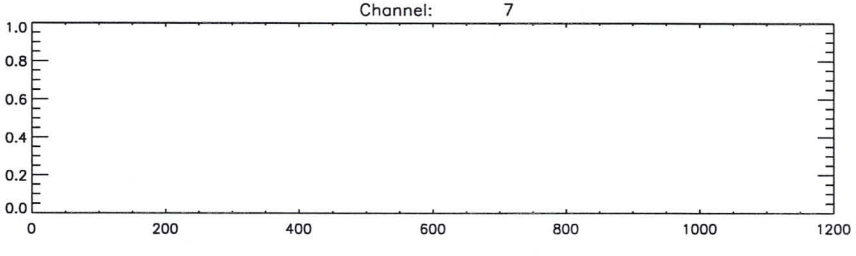
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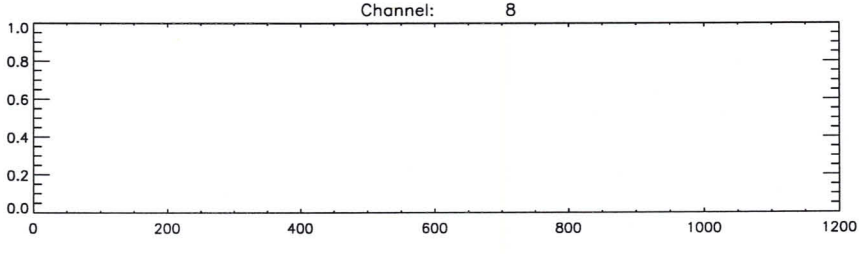
Channel: 8
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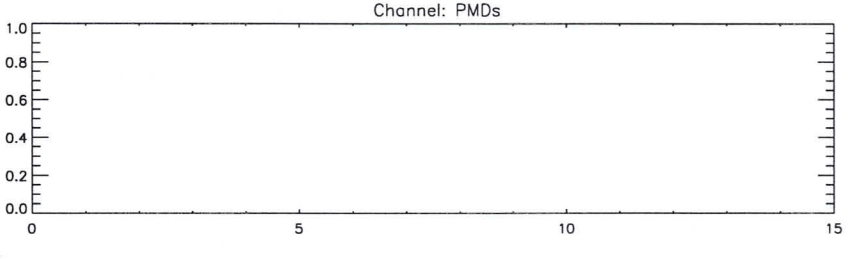
Channel: PMDs
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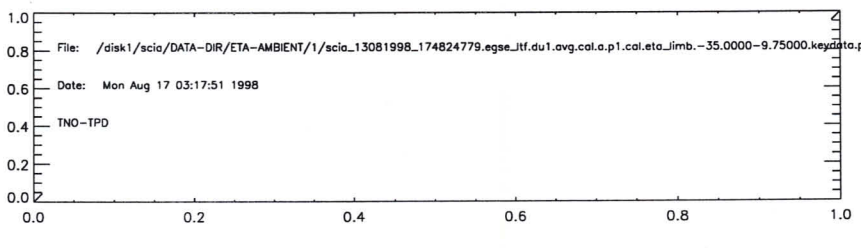
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-9.75000.keydata.ps
Date: Mon Aug 17 03:17:51 1998
TNO-TPD
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0.2
0.4
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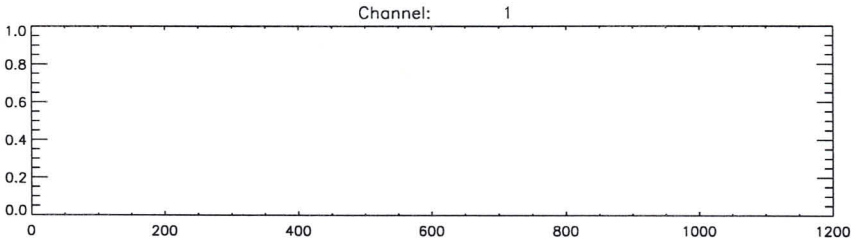
0.8
1.0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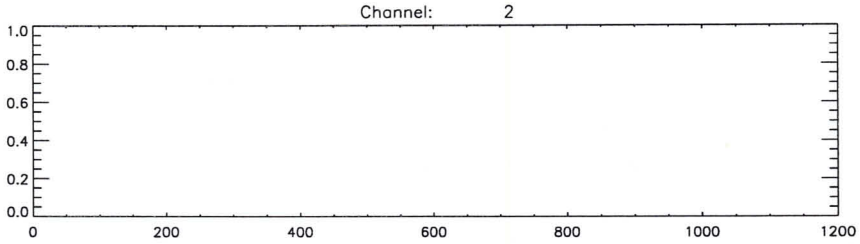
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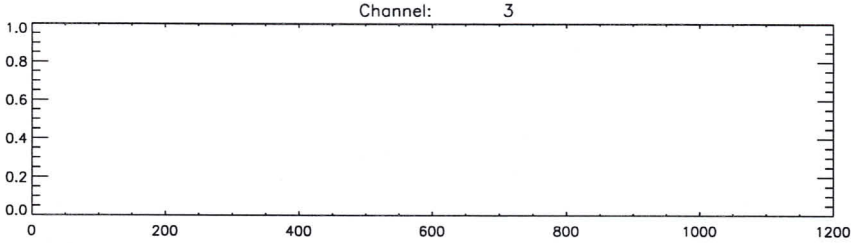
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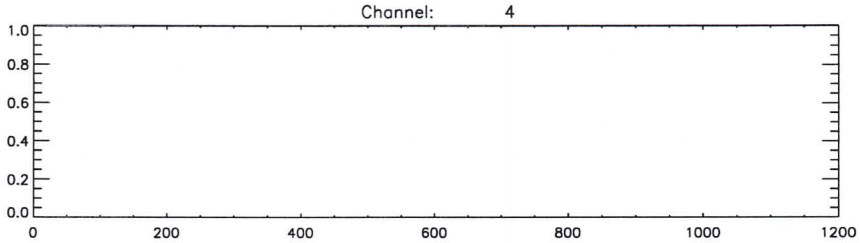
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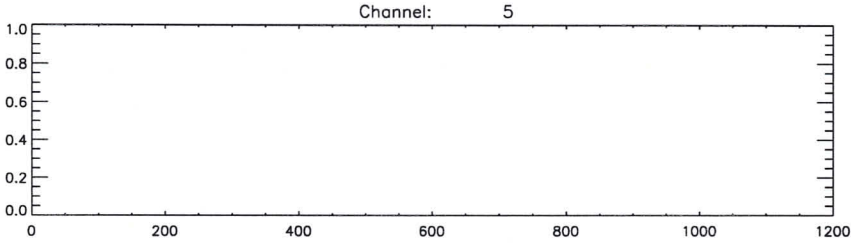
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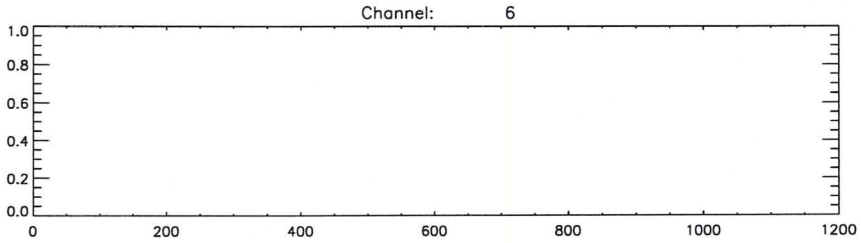
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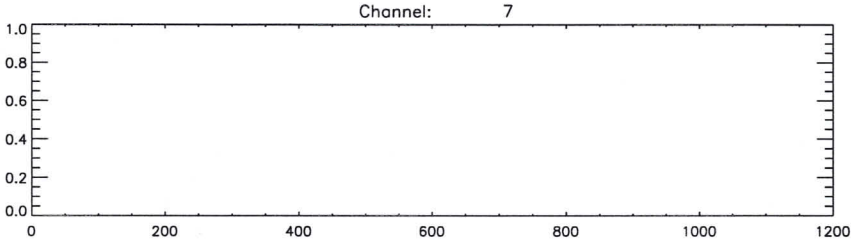
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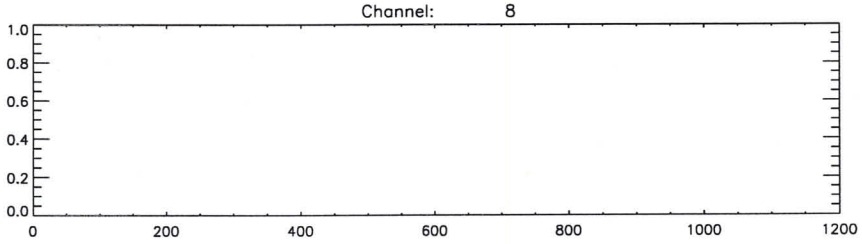
Channel: 8
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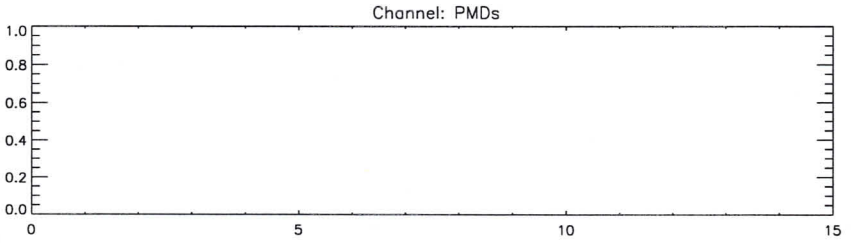
Channel: PMDs
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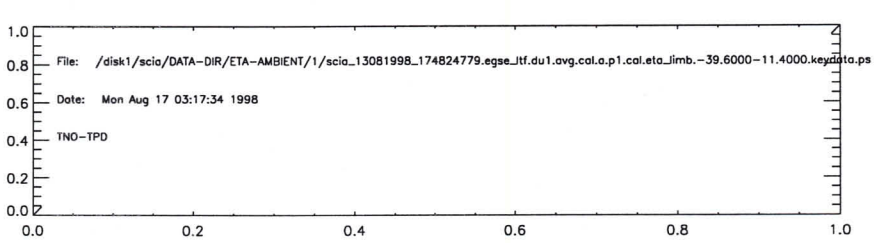
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0.4
0.2
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File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000-11.4000.keydata.ps
Date: Mon Aug 17 03:17:34 1998
TNO-TPD
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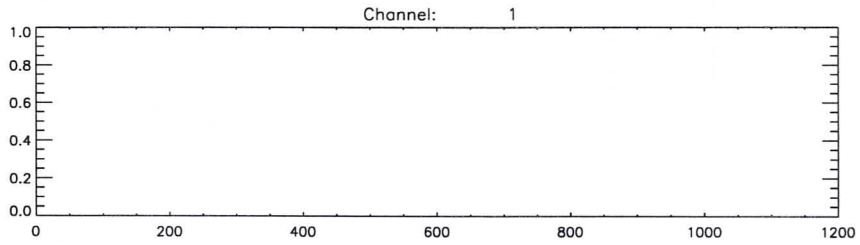
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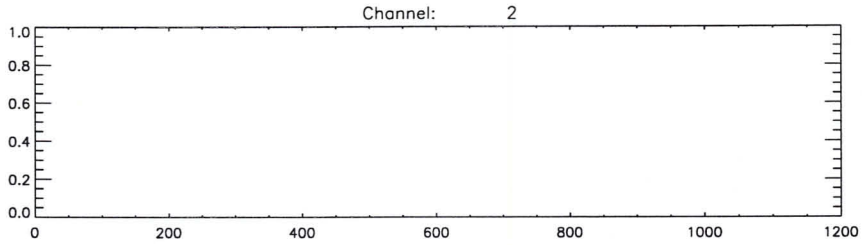
Channel: 2
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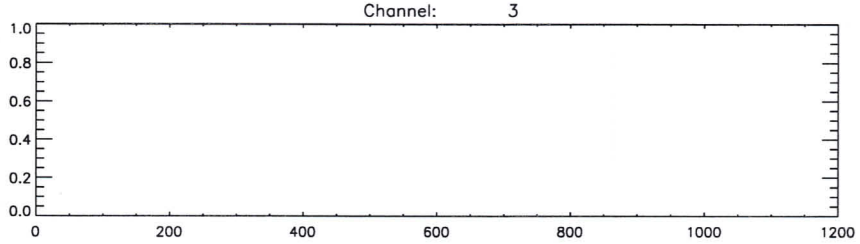
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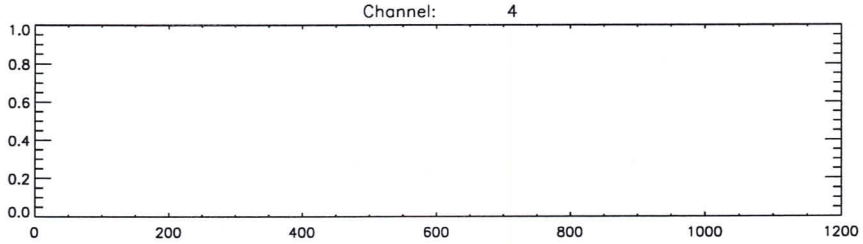
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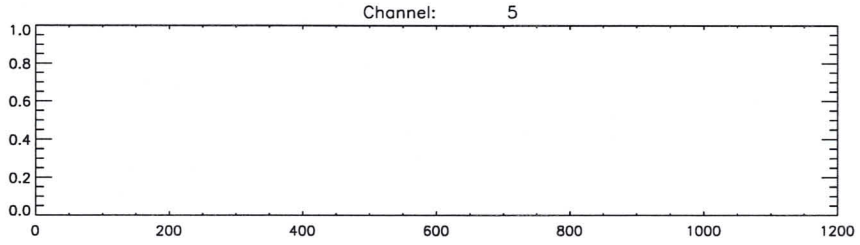
Channel: 5
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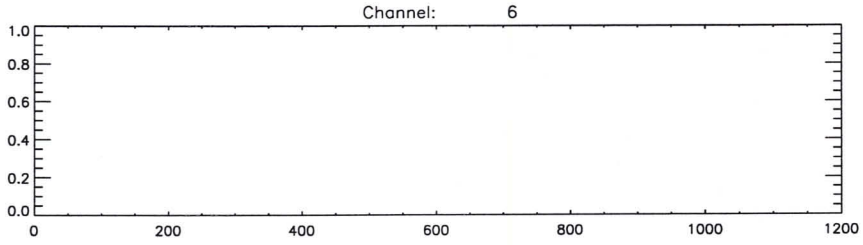
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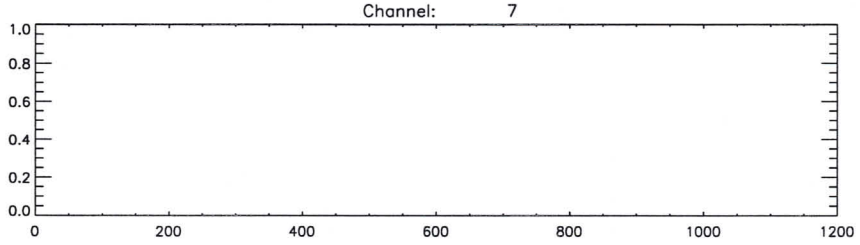
Channel: 7
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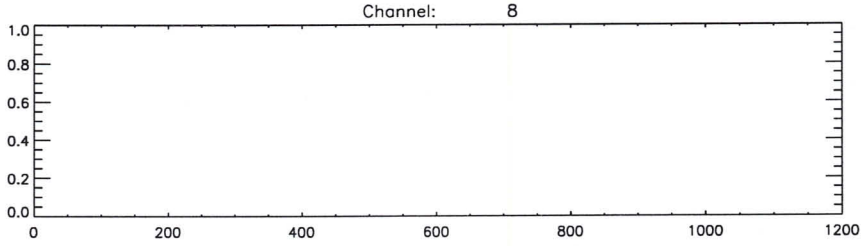
Channel: 8
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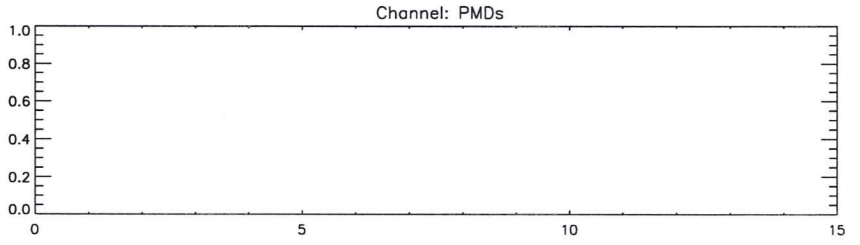
Channel: PMDs
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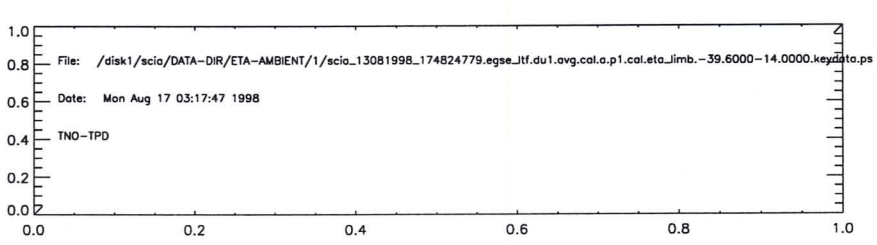
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000-14.0000.keydata.ps
Date: Mon Aug 17 03:17:47 1998
TNO-TPD
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0.2
0.4
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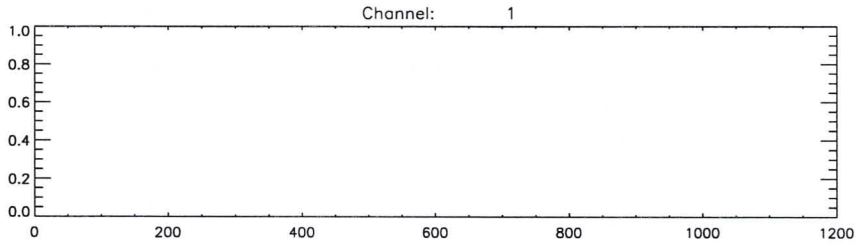
0.8
1.0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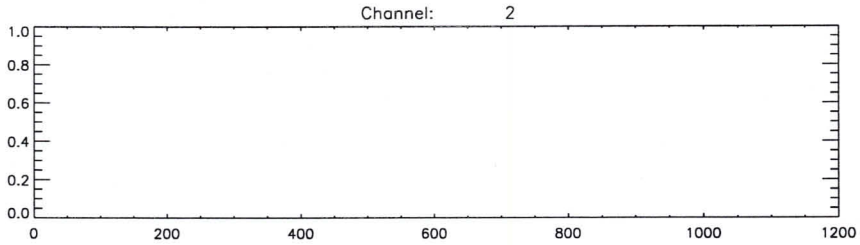
Channel: 2
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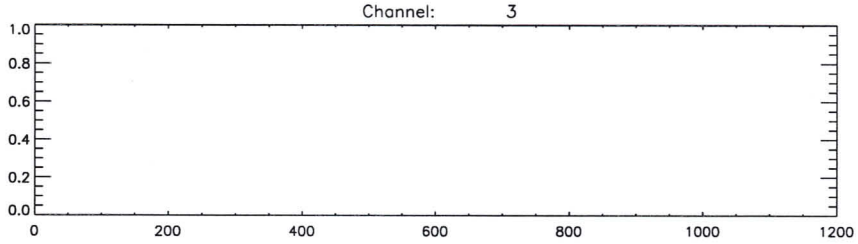
Channel: 3
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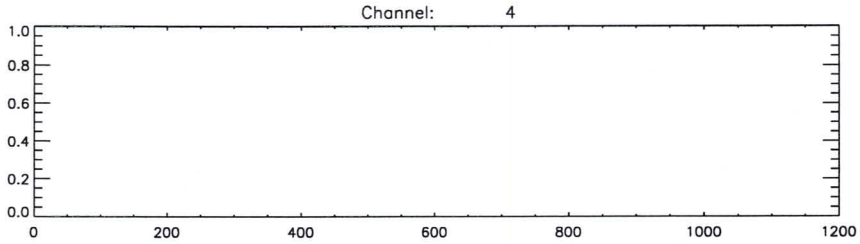
Channel: 4
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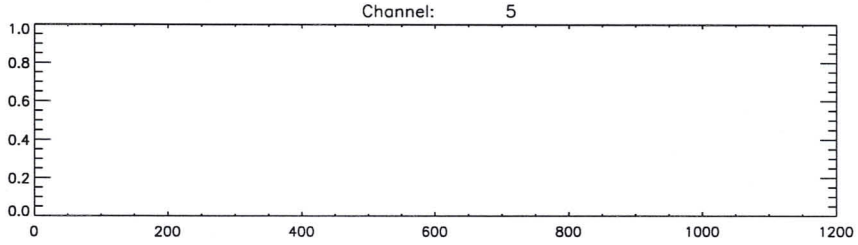
Channel: 5
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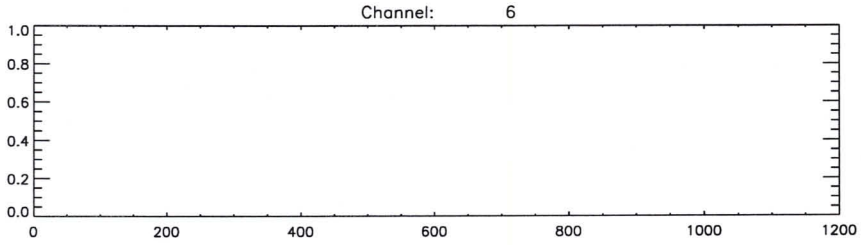
Channel: 6
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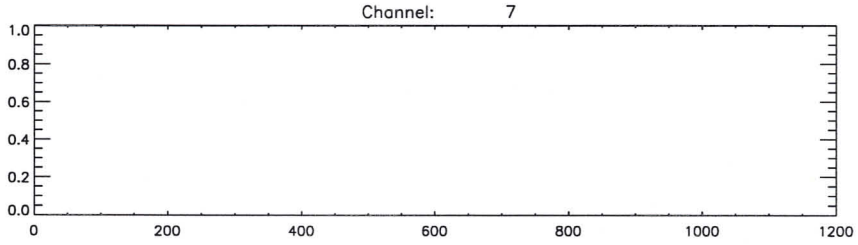
1200


Channel: 7
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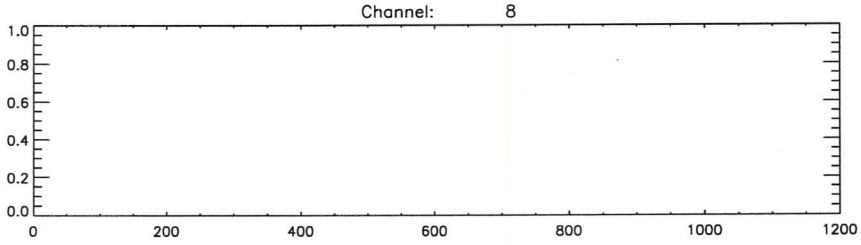
Channel: 8
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0.2
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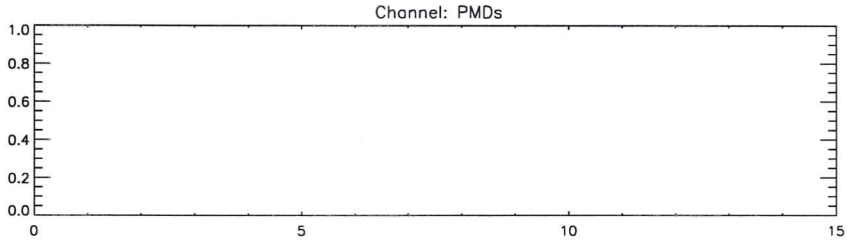
600
800
1000
1200


Channel: PMDs
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0.2
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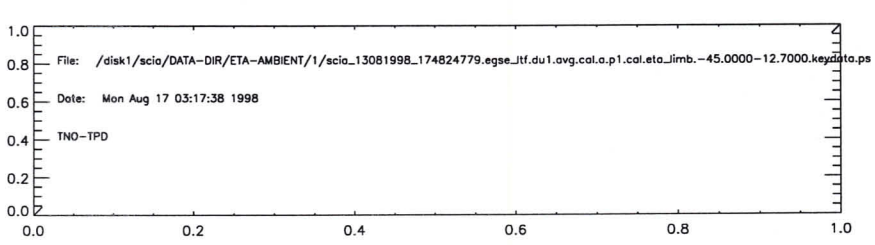
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-45.0000-12.7000.keydata.ps
Date: Mon Aug 17 03:17:38 1998
TNO-TPD
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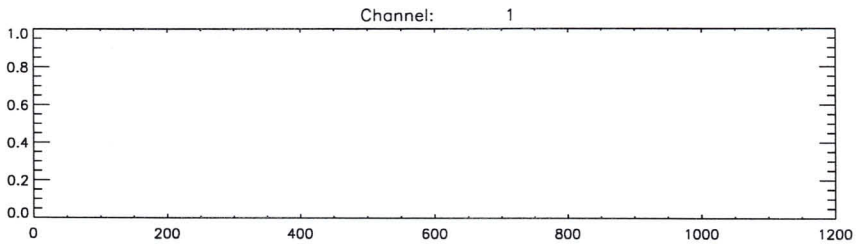
0.2
0.4
0.6
0.8
1.0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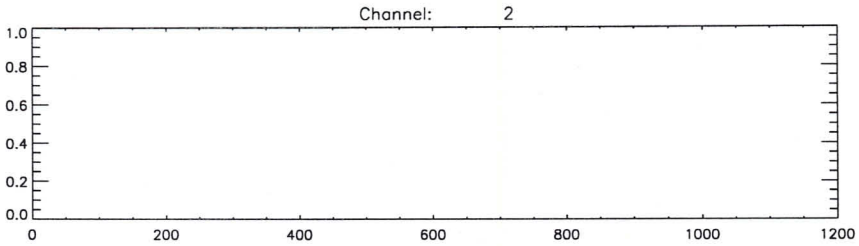
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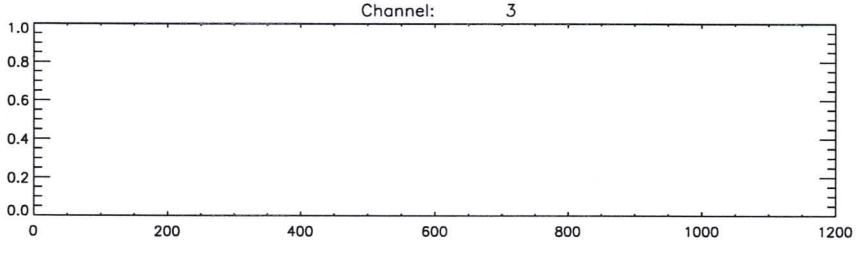
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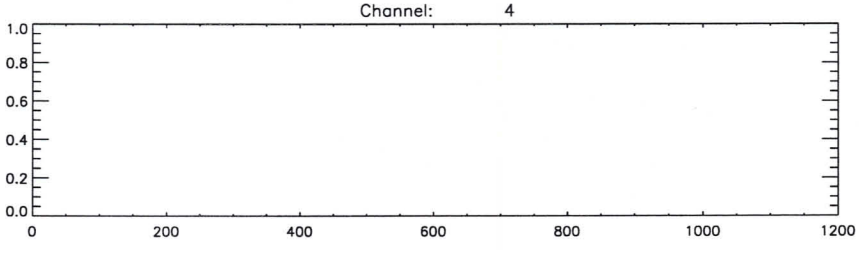
Channel: 4
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0.2
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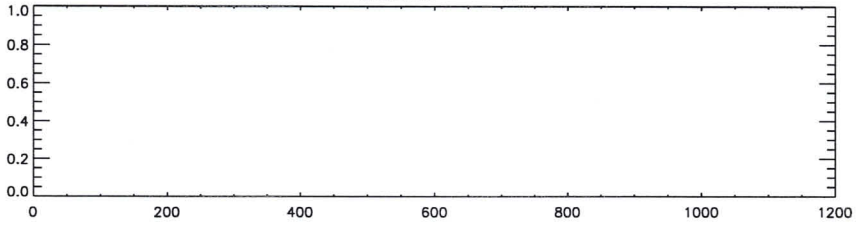
Channel: 5
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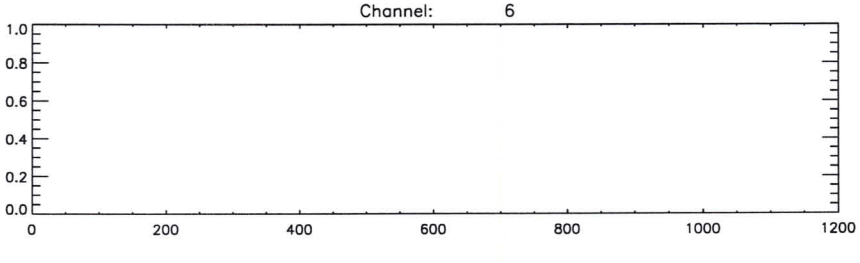
Channel: 6
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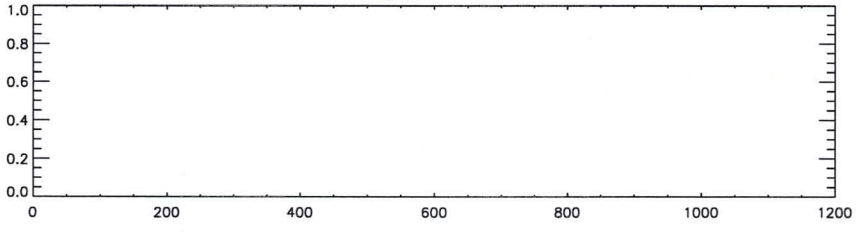
Channel: 7
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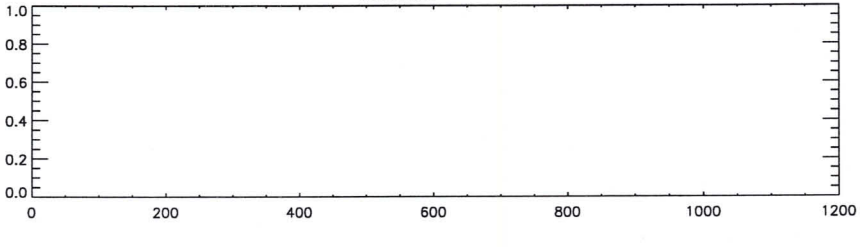
Channel: 8
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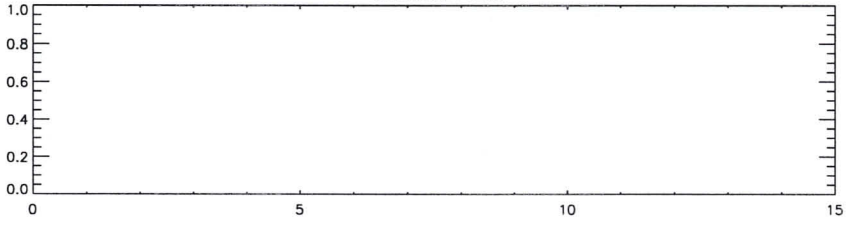
Channel: PMDs
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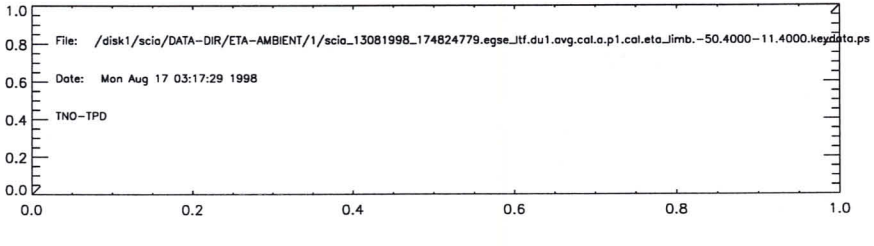
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000-11.4000.keydata.ps
Date: Mon Aug 17 03:17:29 1998
TNO-TPD
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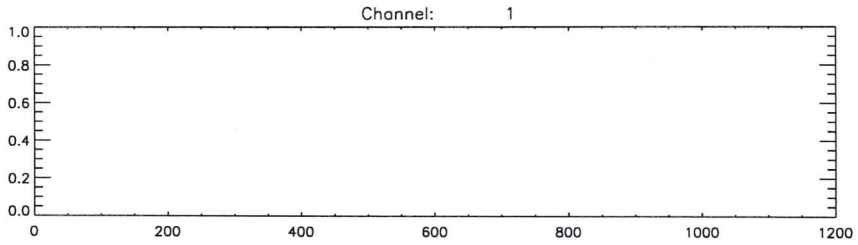
0.6
0.8
1.0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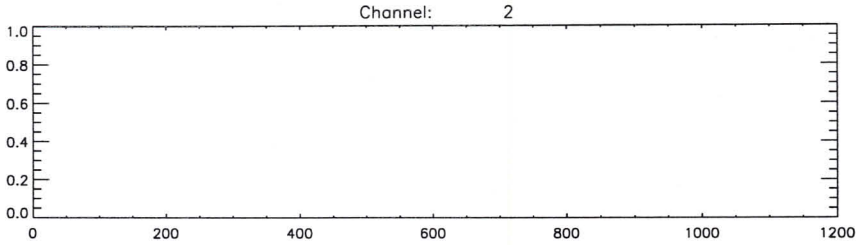
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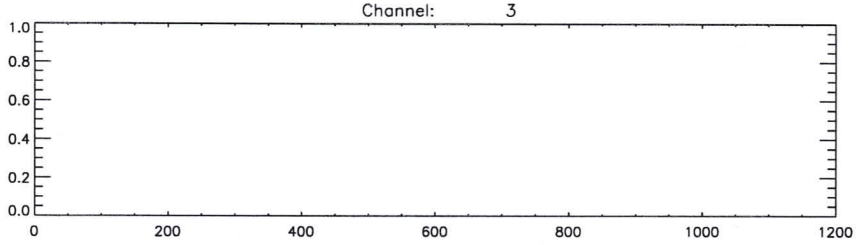
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1000
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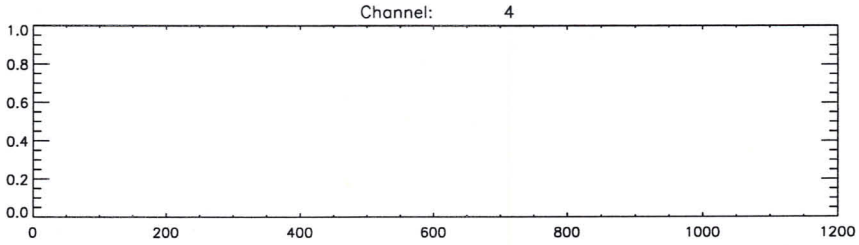
Channel: 4
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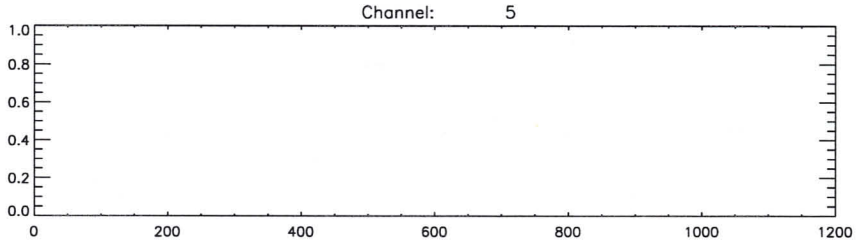
Channel: 5
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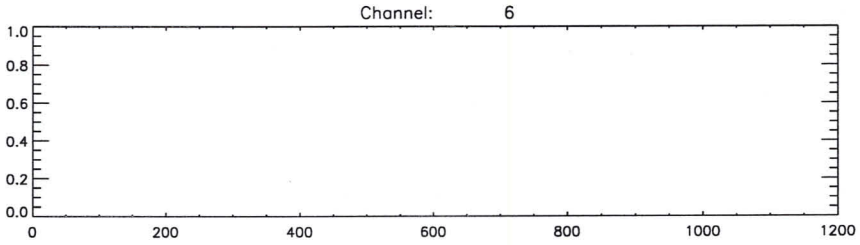
1000
1200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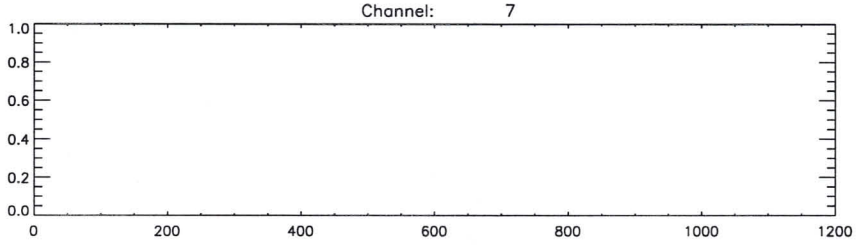
Channel: 7
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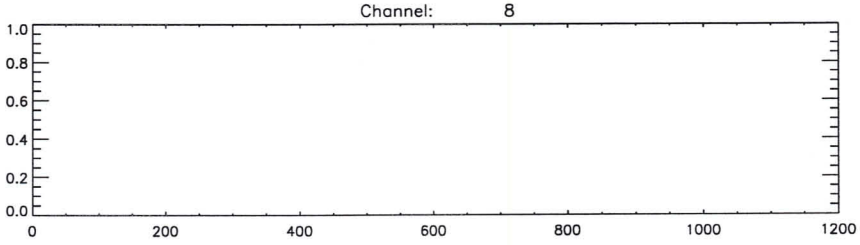
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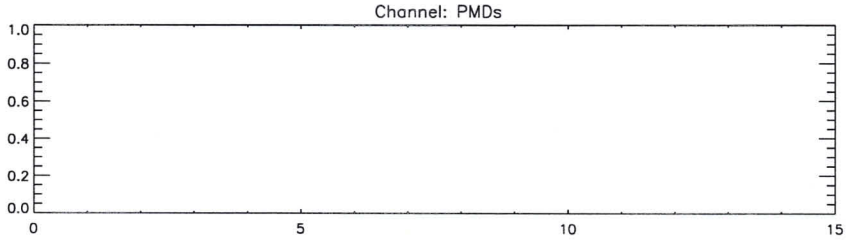
Channel: PMDs
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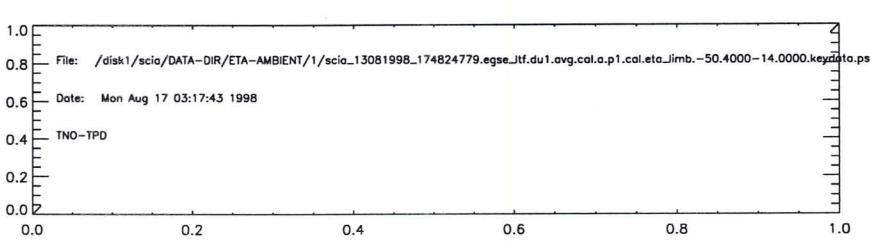
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000-14.0000.keydata.ps
Date: Mon Aug 17 03:17:43 1998
TNO-TPD
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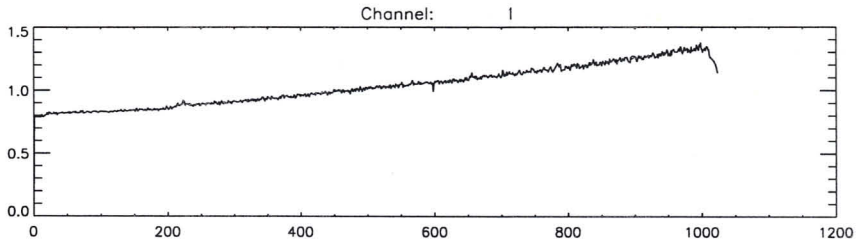
0.8
1.0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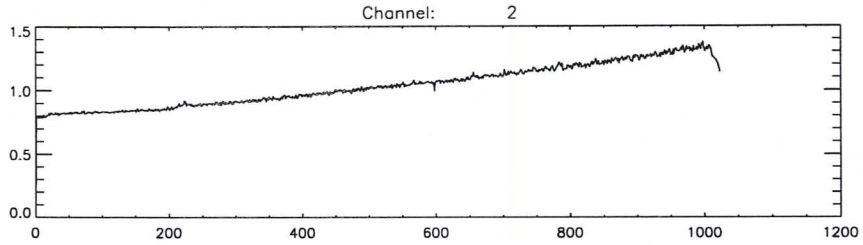
800
1000
1200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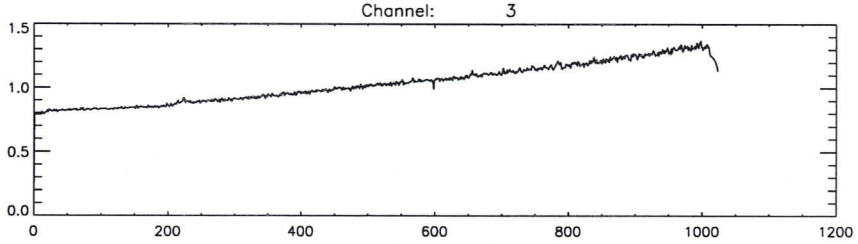
Channel: 3
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1000
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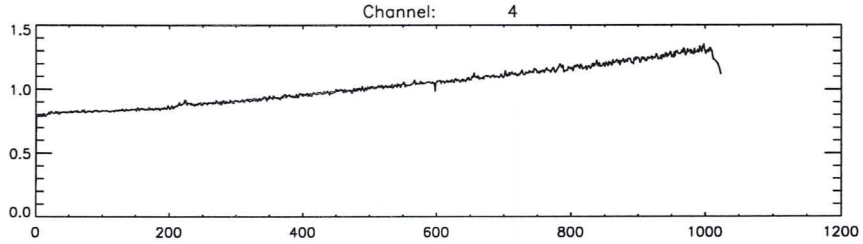
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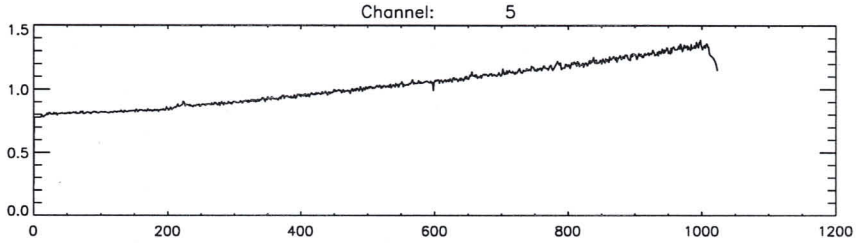
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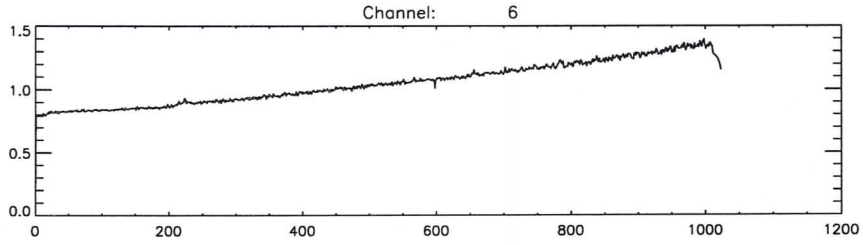
1000
1200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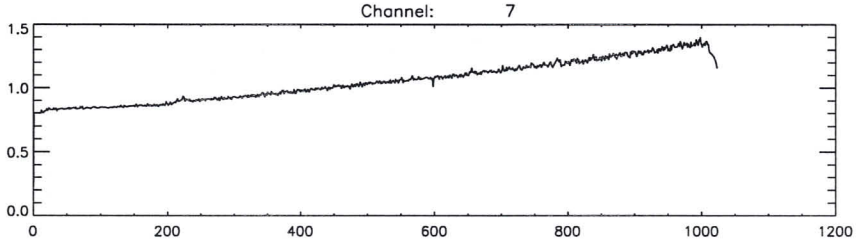
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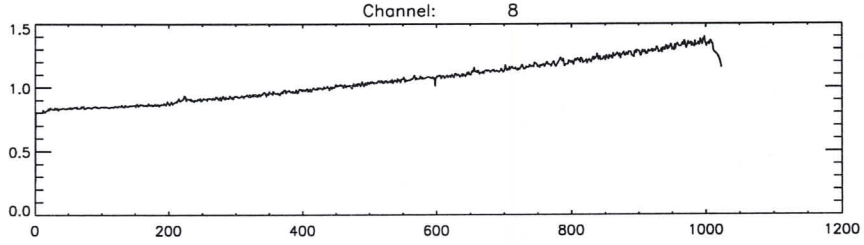
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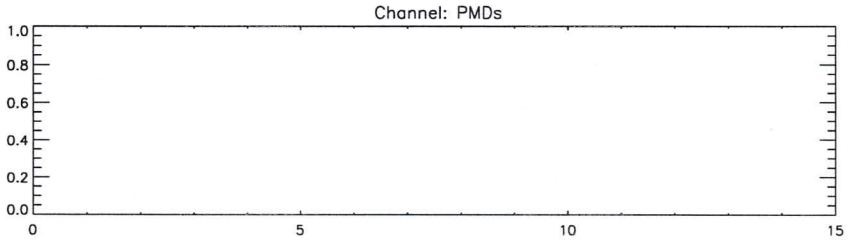
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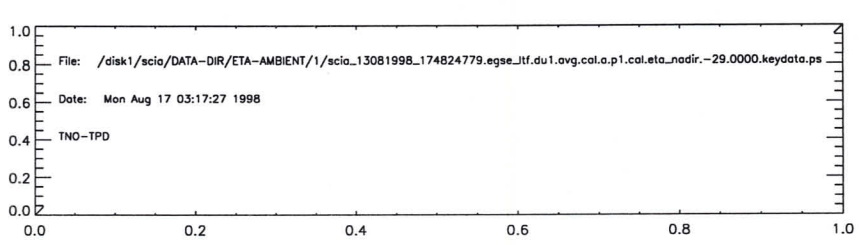
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Date: Mon Aug 17 03:17:27 1998
TNO-TPD
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0.8
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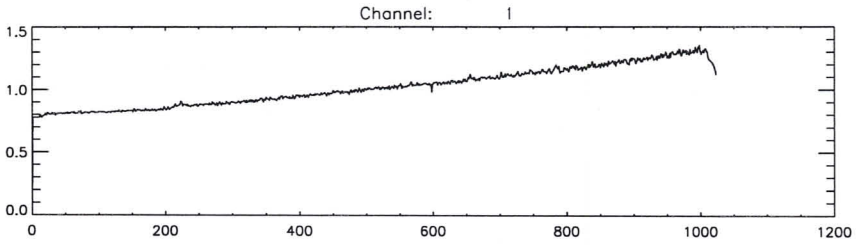
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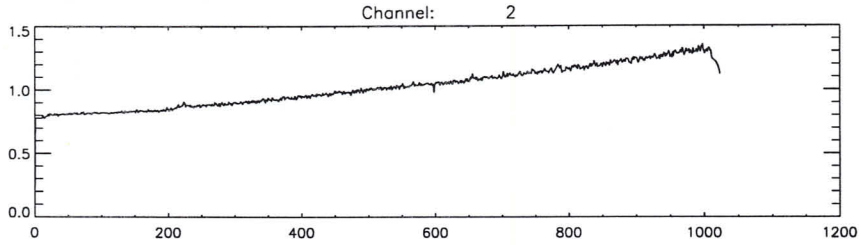
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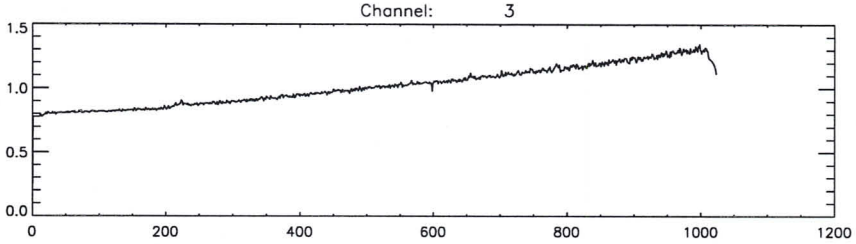
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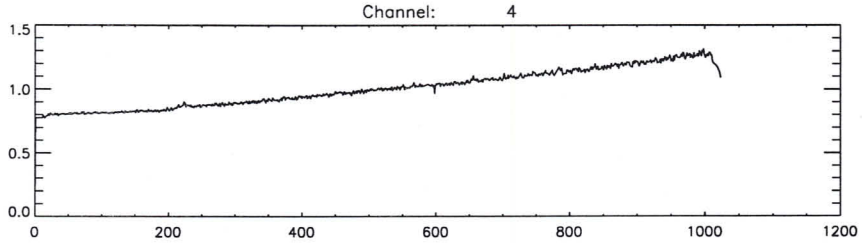
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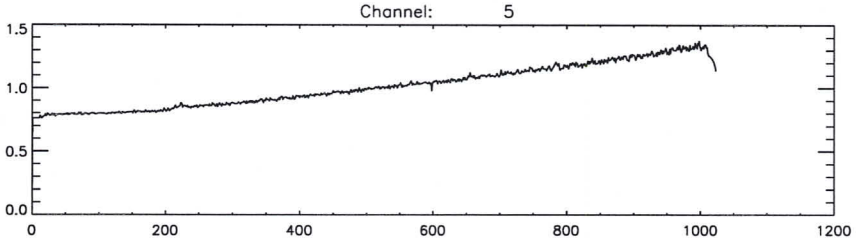
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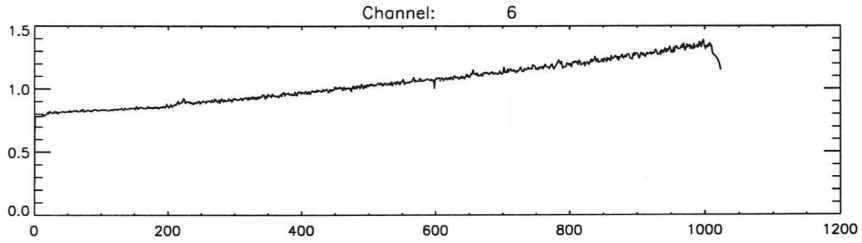
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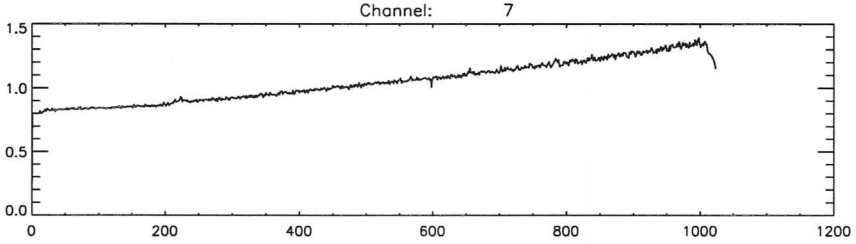
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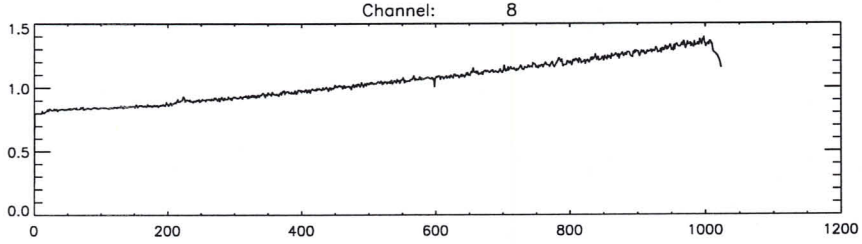
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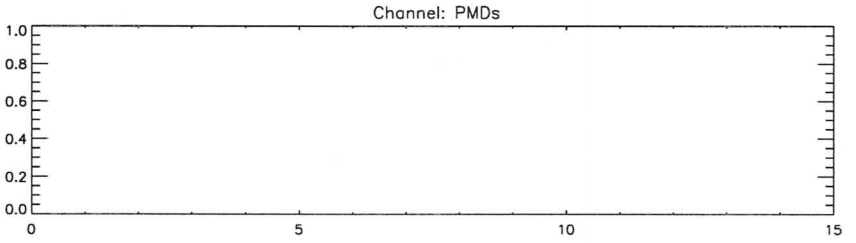
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0
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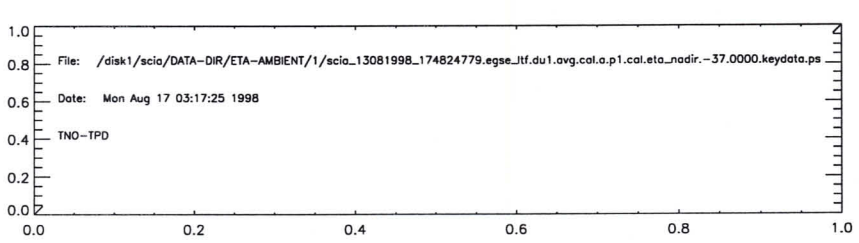
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Date: Mon Aug 17 03:17:25 1998
TNO-TPD
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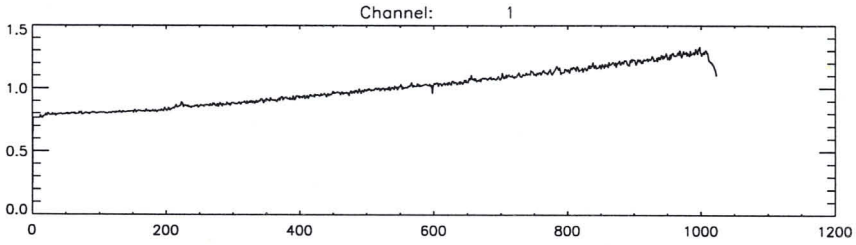
0.8
1.0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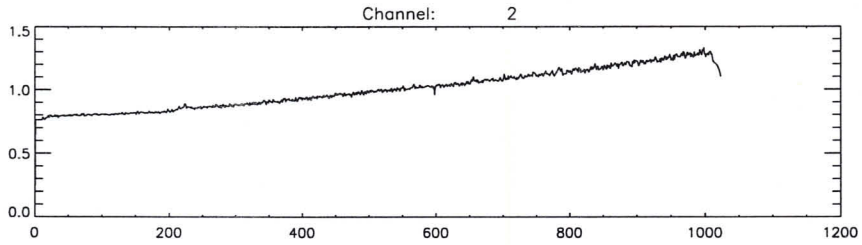
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1000
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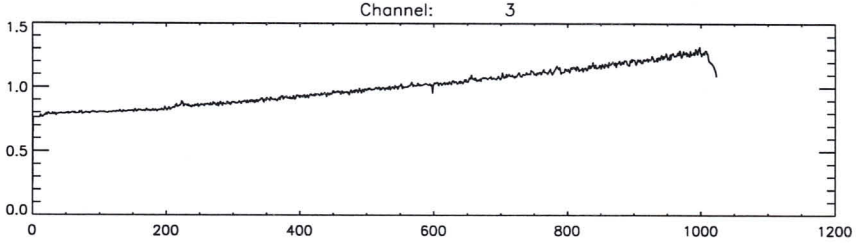
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1000
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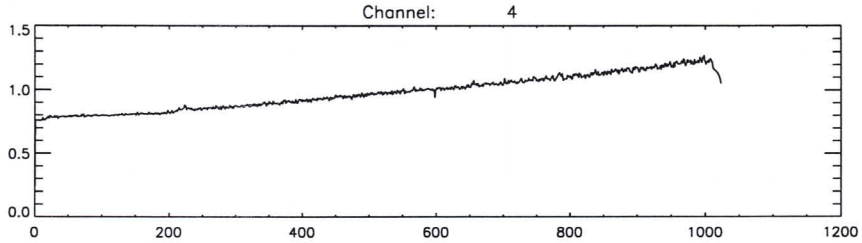
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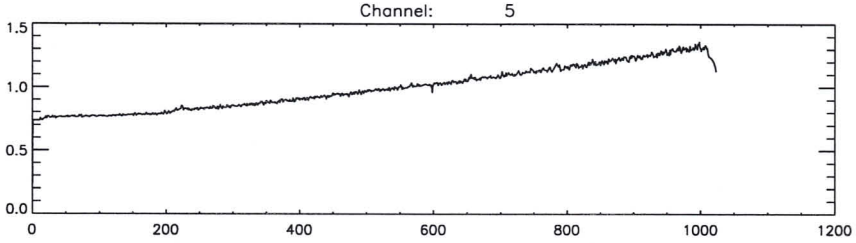
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1000
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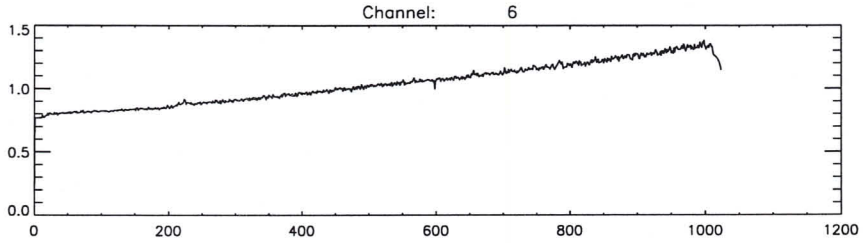
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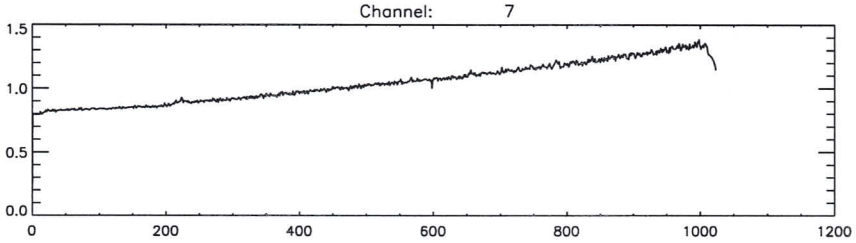
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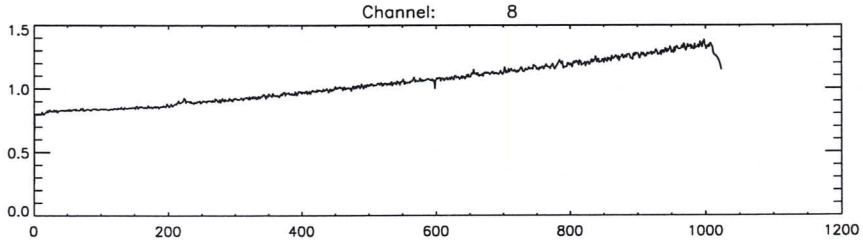
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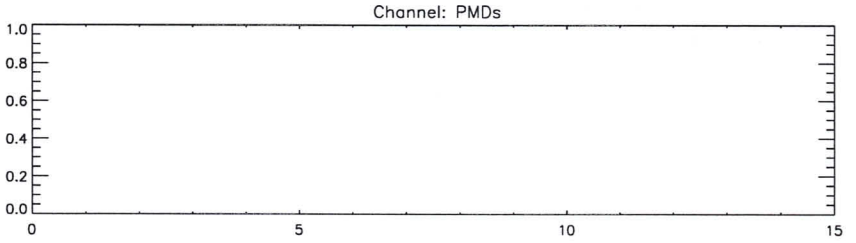
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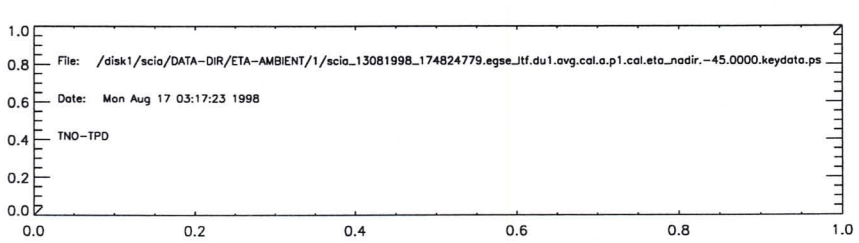
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Date: Mon Aug 17 03:17:23 1998
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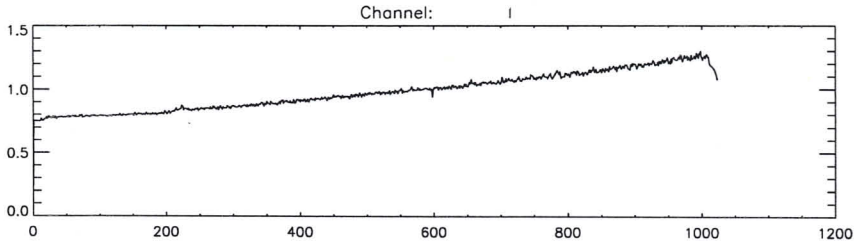
1.0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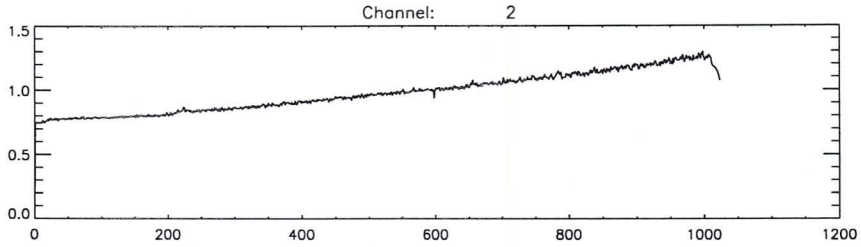
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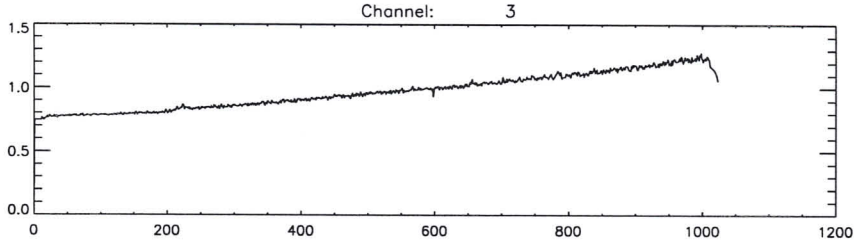
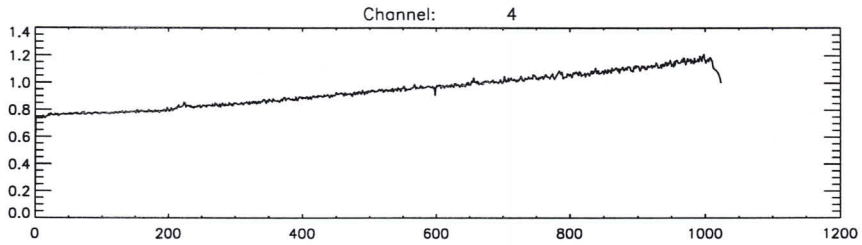

Channel: 3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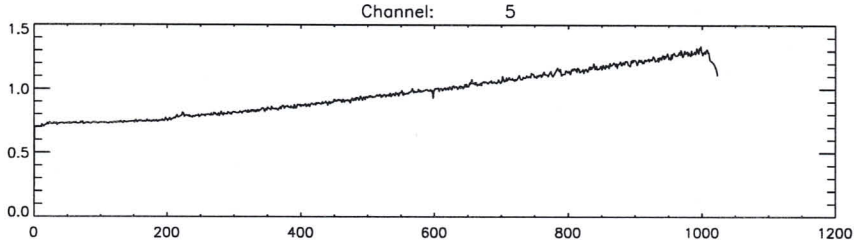
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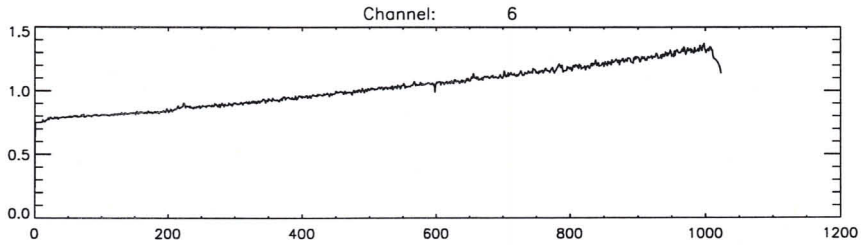
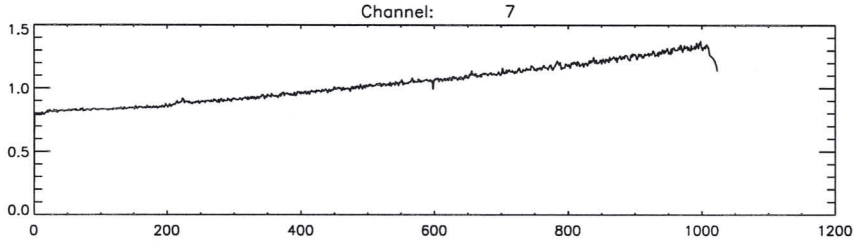
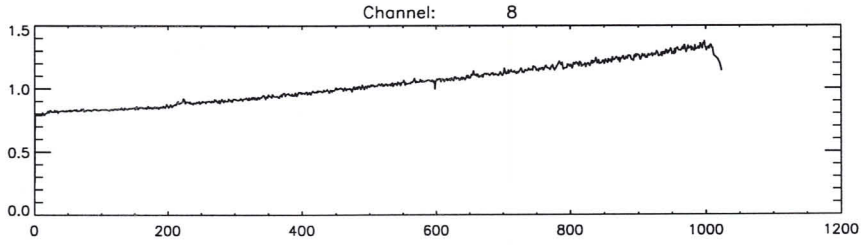
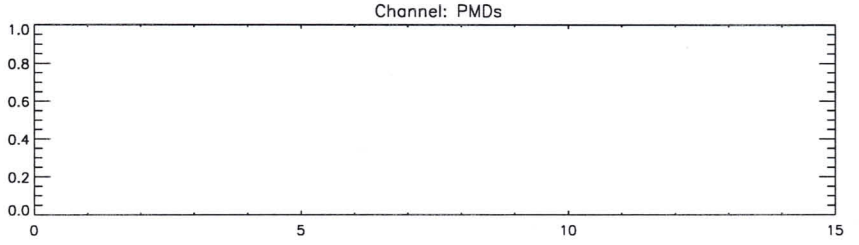

Channel: 6


Channel: 7


Channel: 8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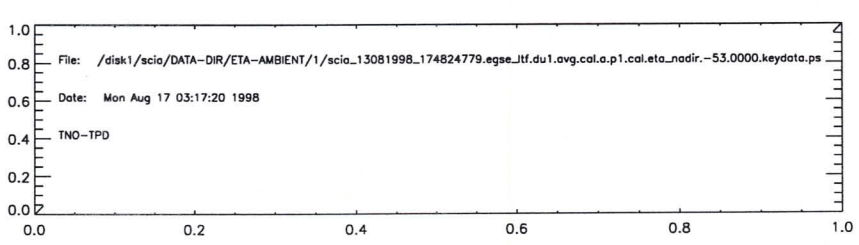
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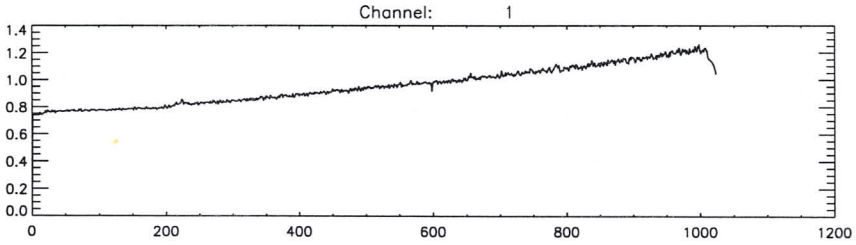
Date: Mon Aug 17 03:17:20 1998
TNO-TPD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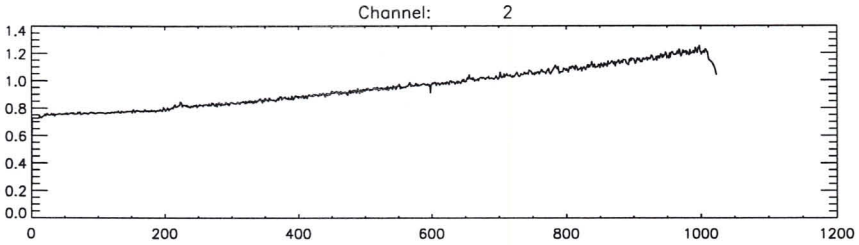
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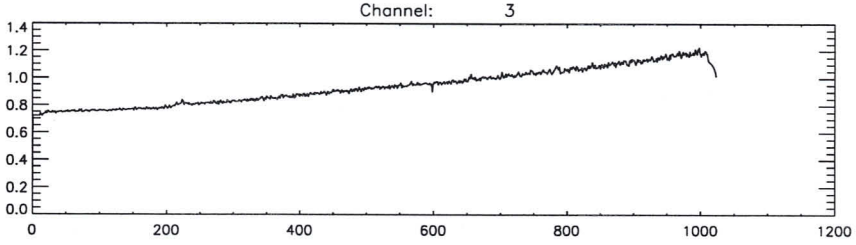
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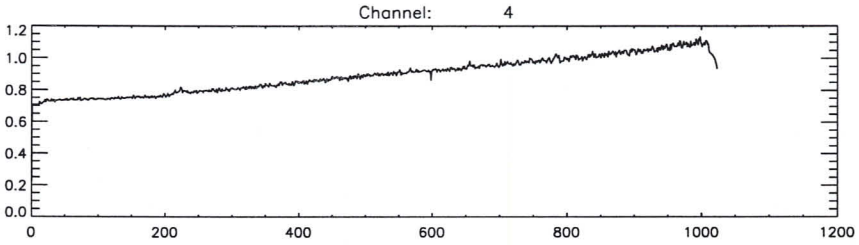
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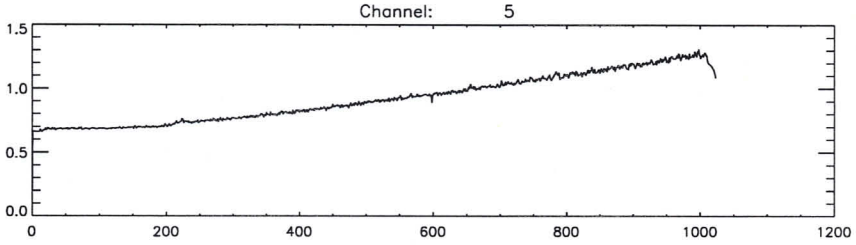
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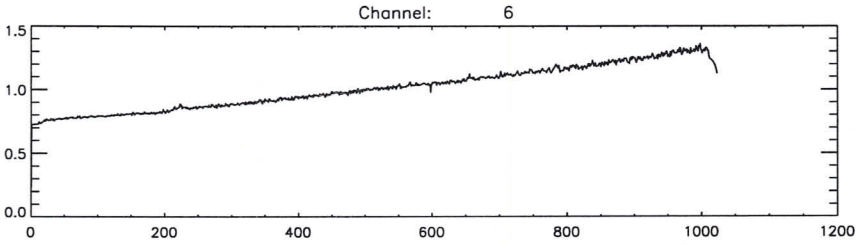
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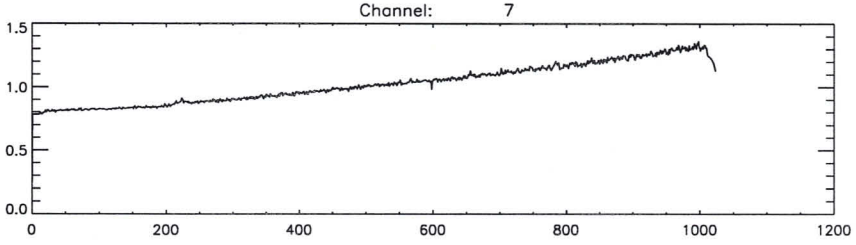
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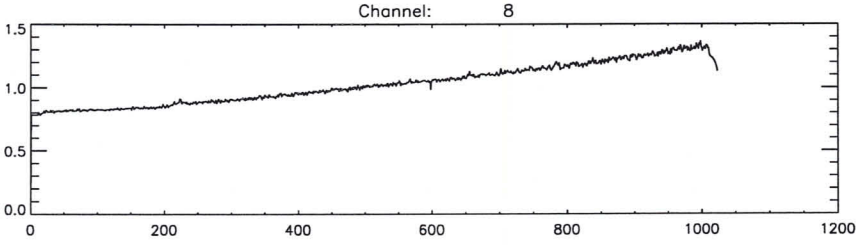
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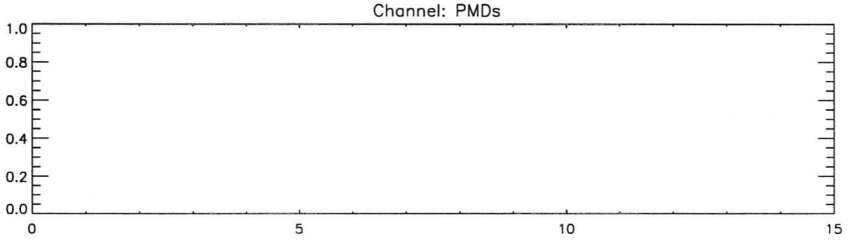
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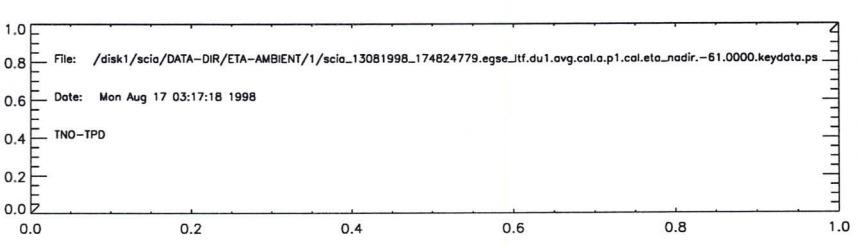
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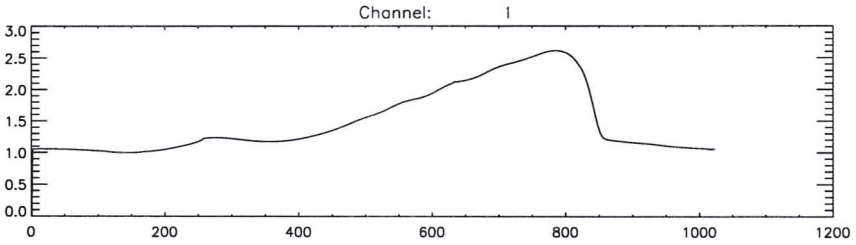
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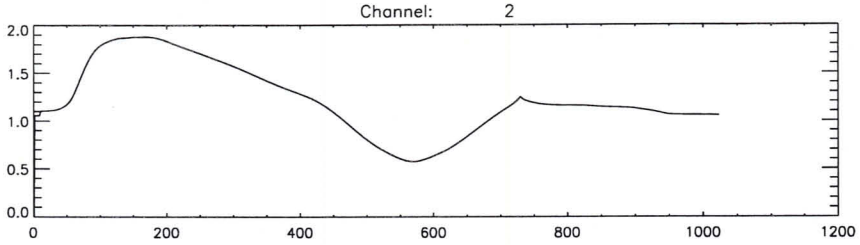
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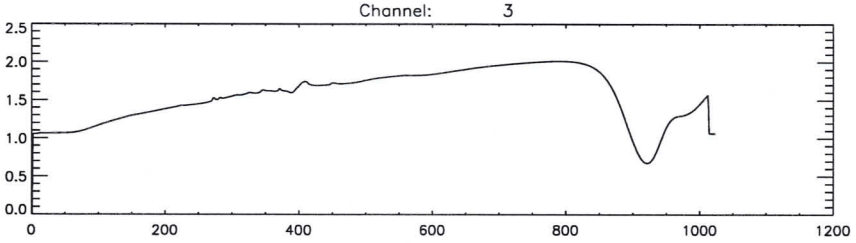
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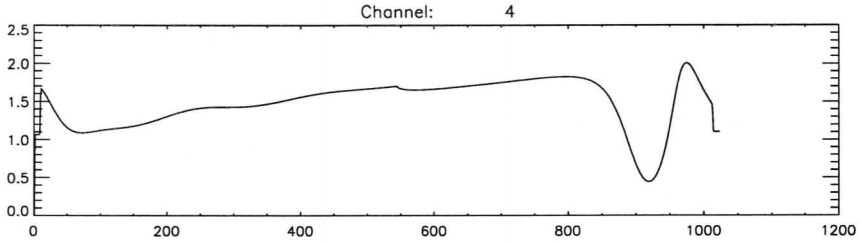
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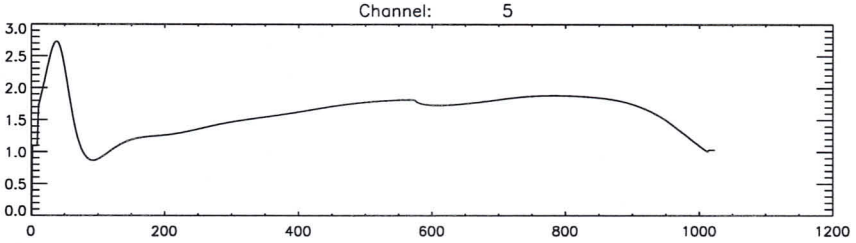
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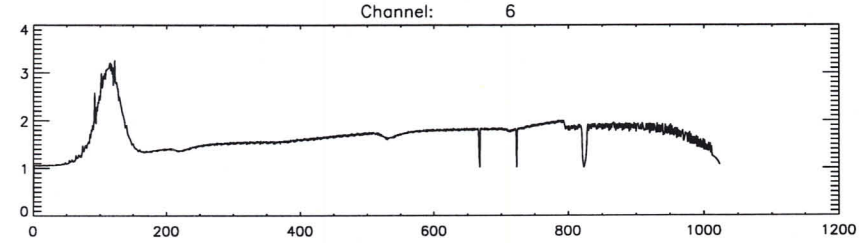
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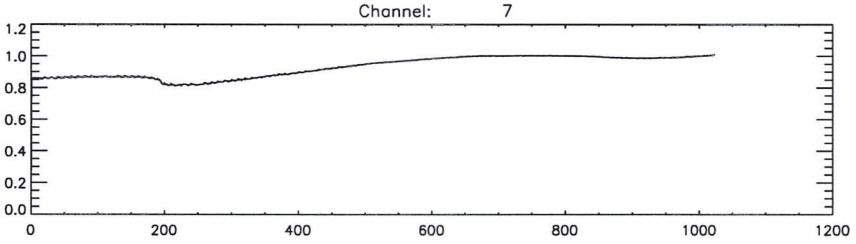
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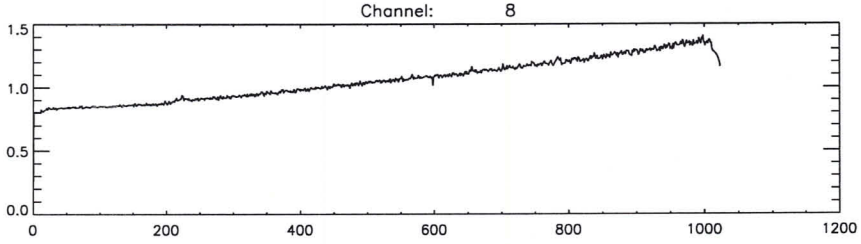
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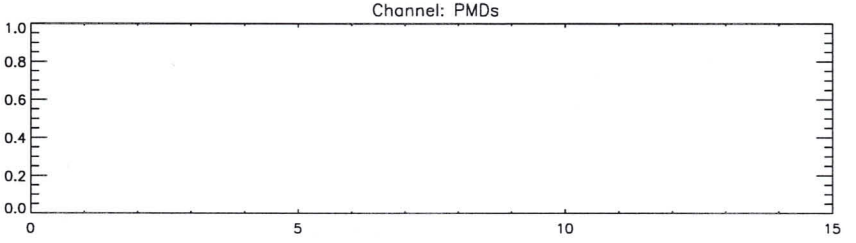
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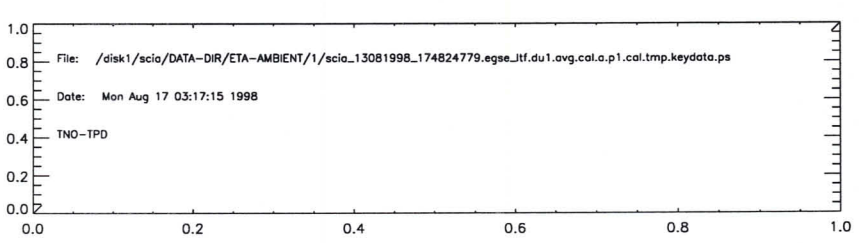
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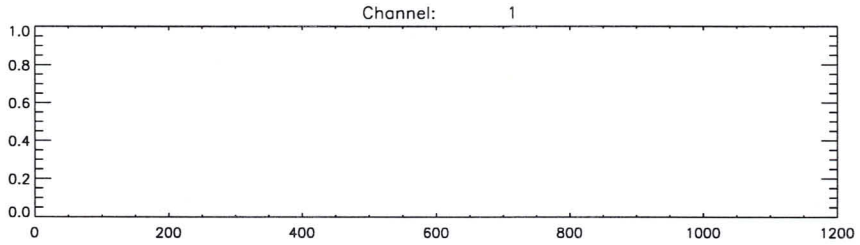
Date: Mon Aug 17 03:17:15 1998
TNO-TPD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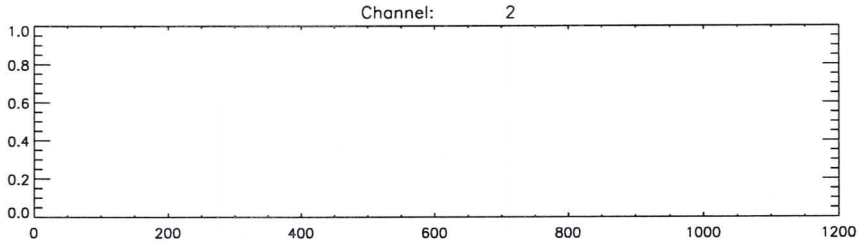
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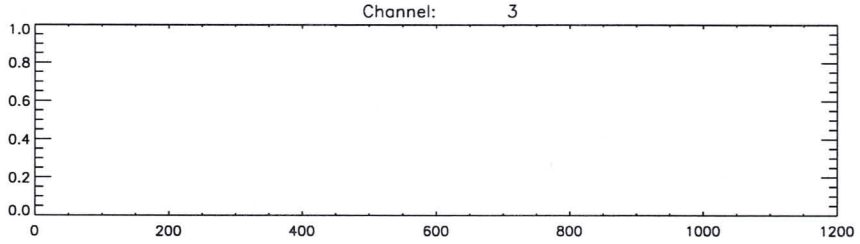
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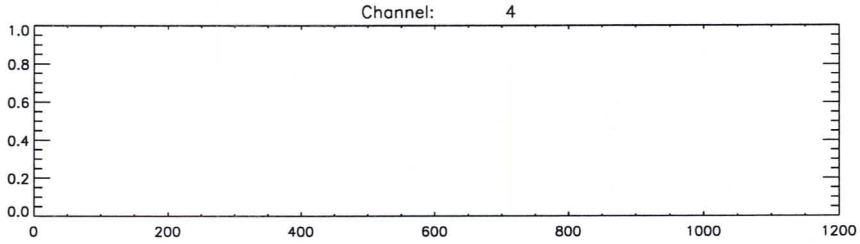
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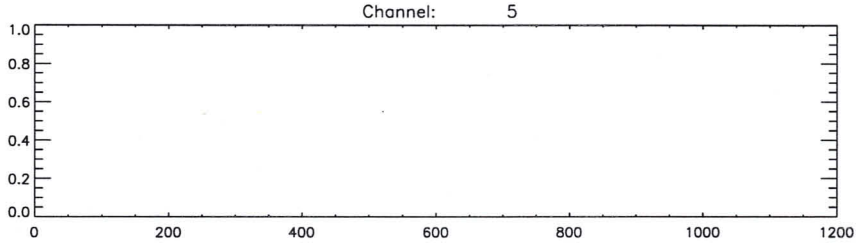
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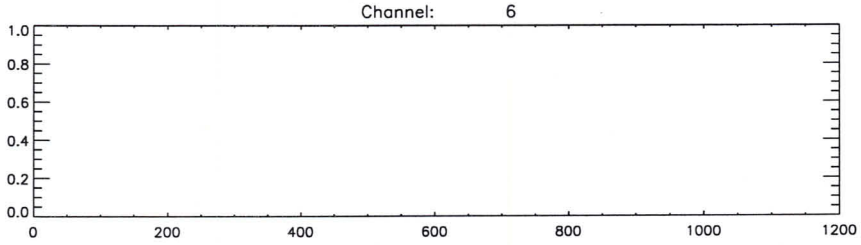
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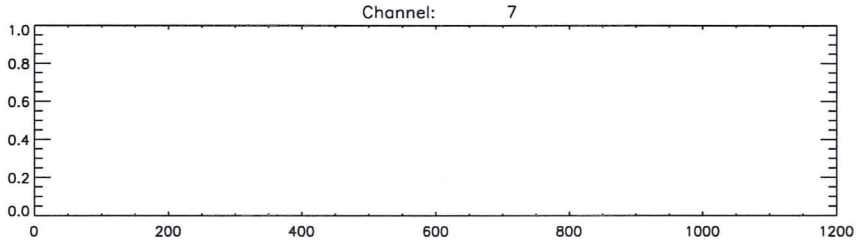
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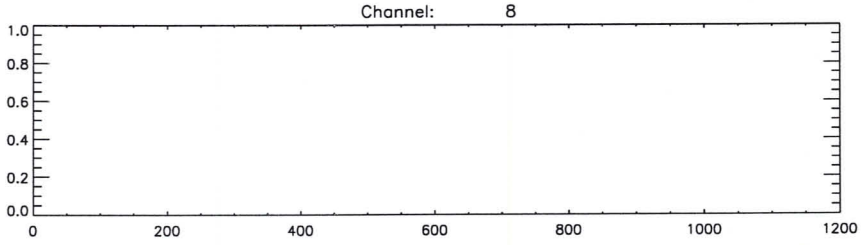
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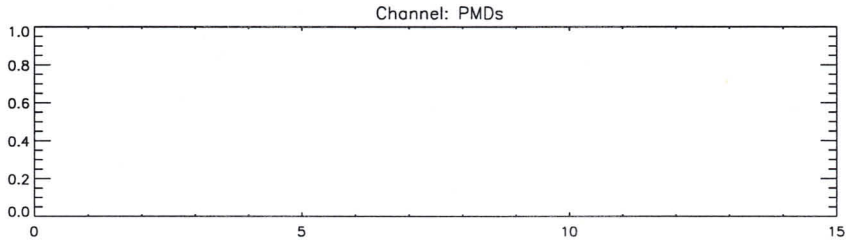
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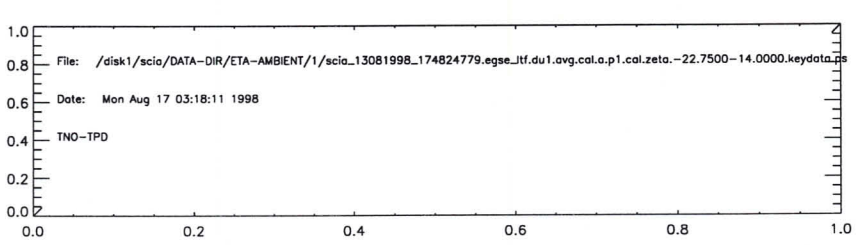
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Date: Mon Aug 17 03:18:11 1998
TNO-TPD
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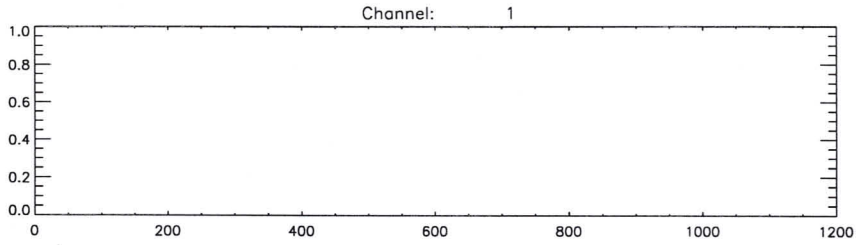
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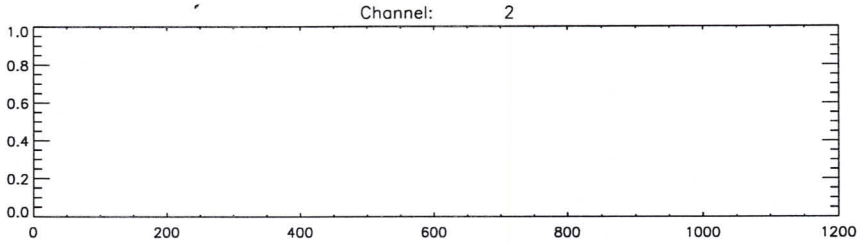
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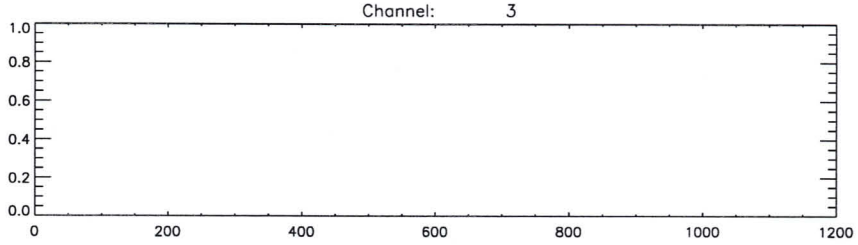
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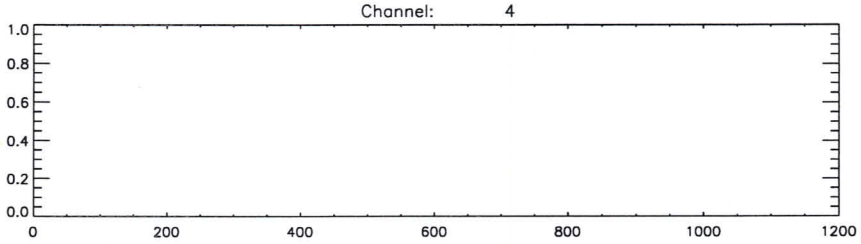
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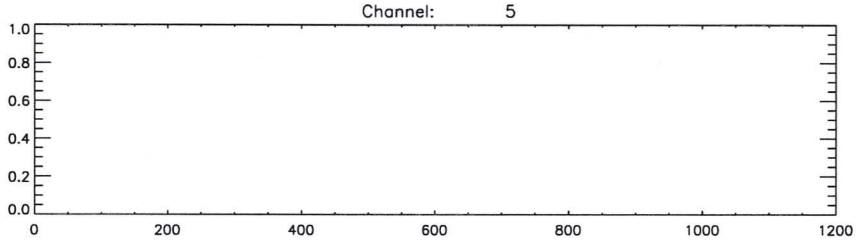
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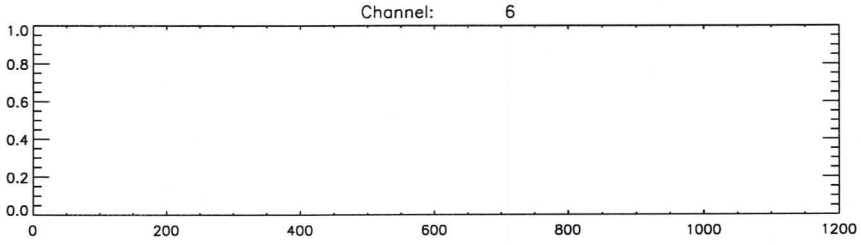
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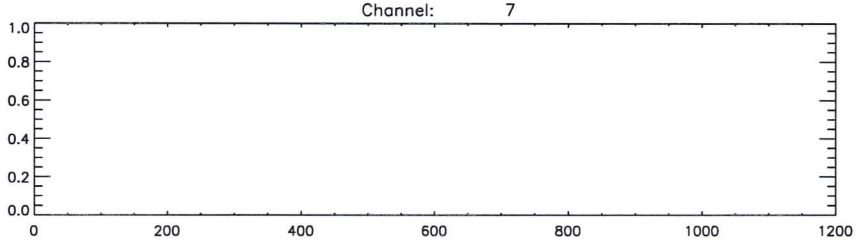
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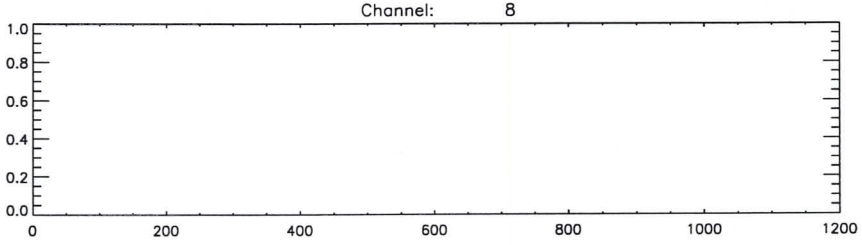
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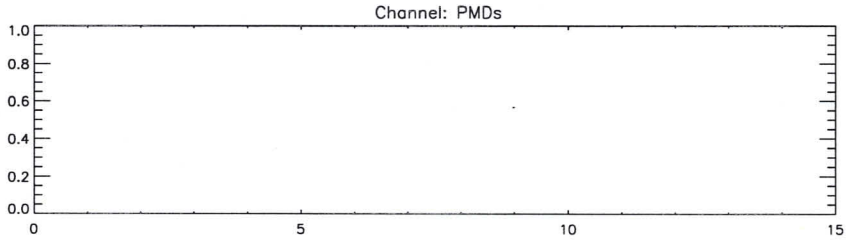
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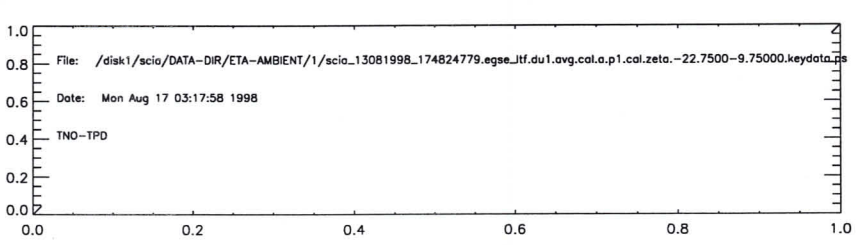
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Date: Mon Aug 17 03:17:58 1998
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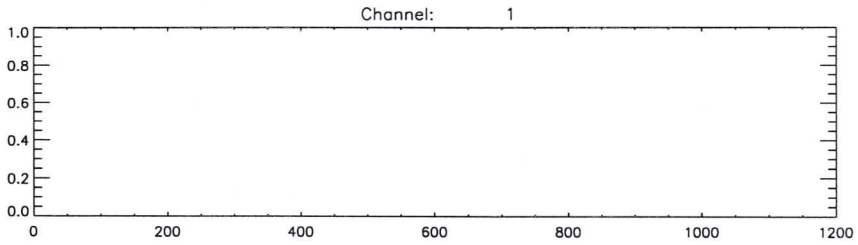
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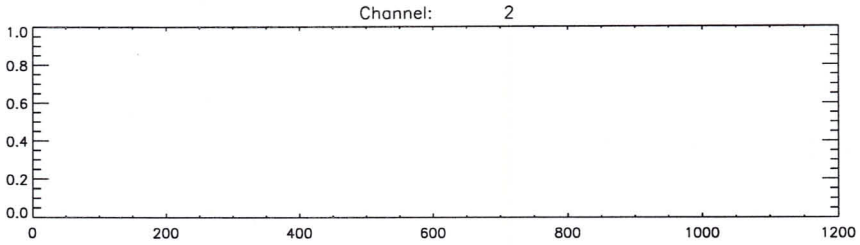
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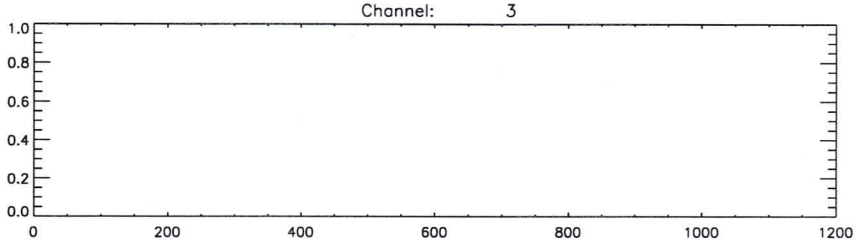
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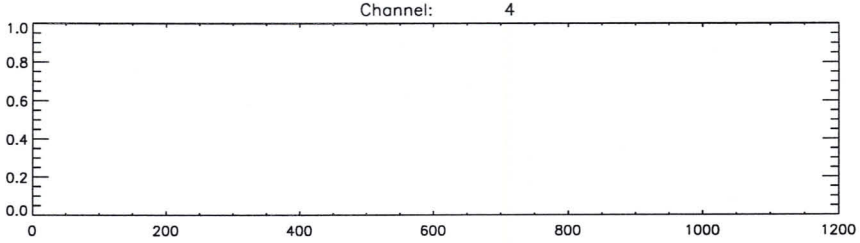
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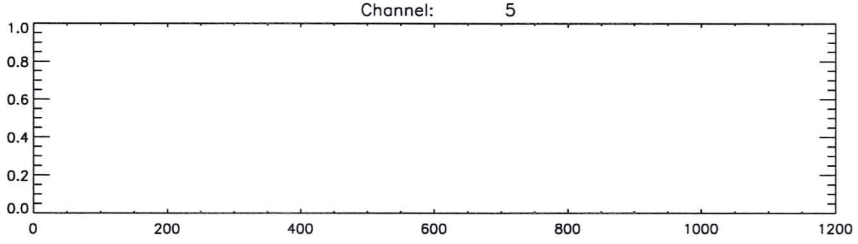
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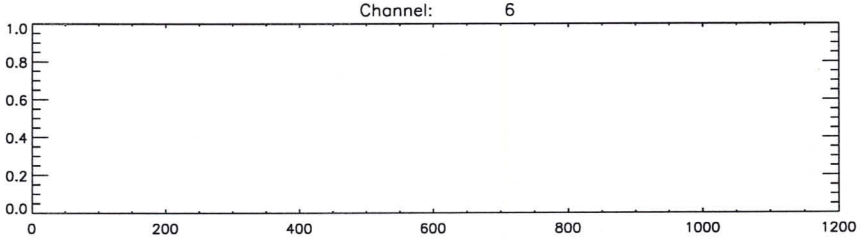
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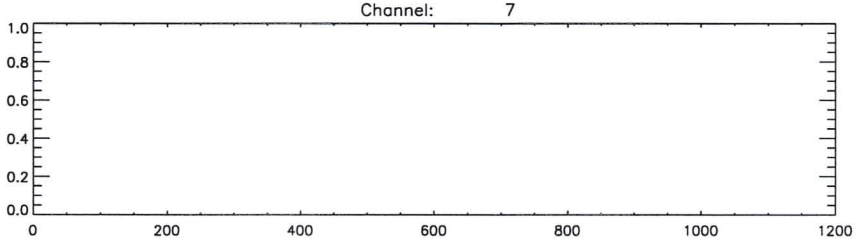
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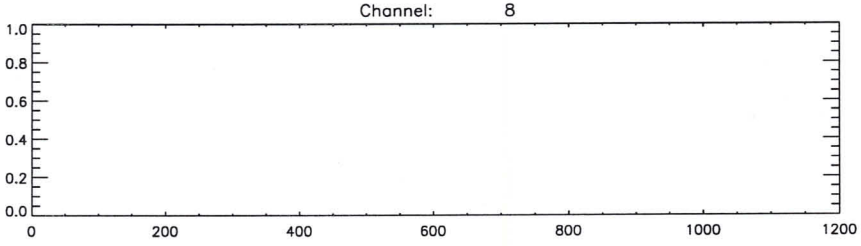
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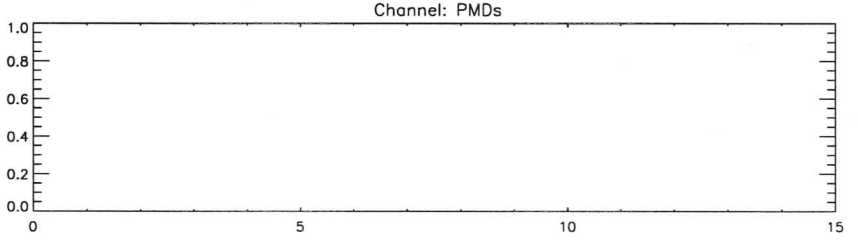
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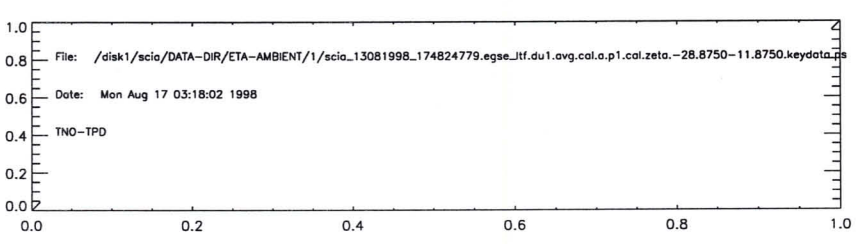
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Date: Mon Aug 17 03:18:02 1998
TNO-TPD
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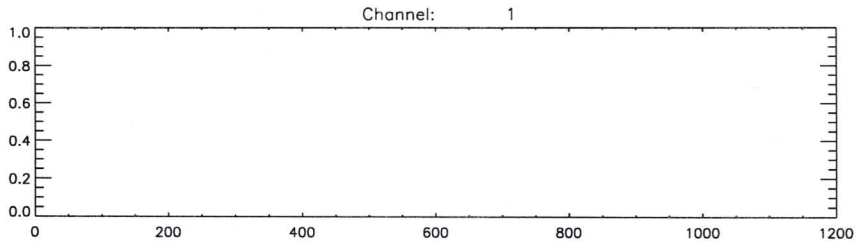
1.0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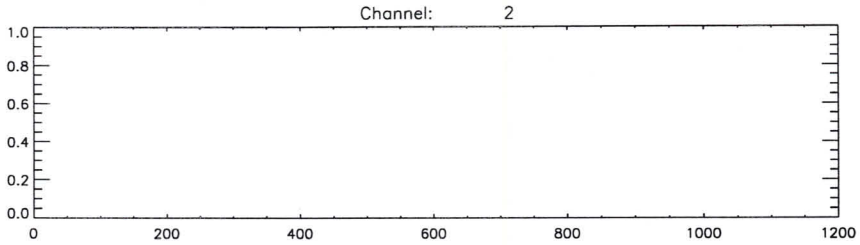
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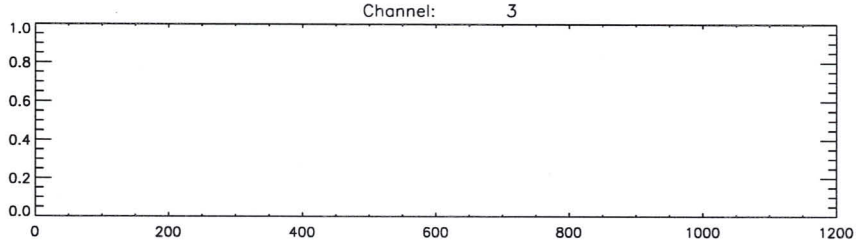
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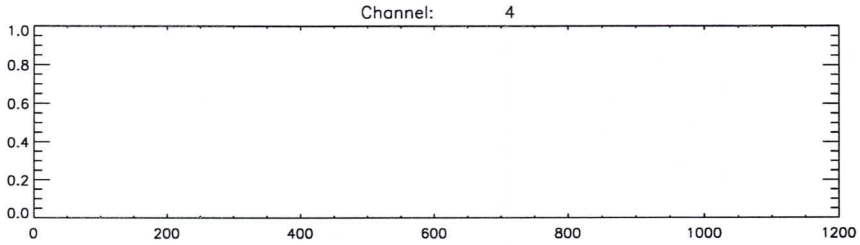
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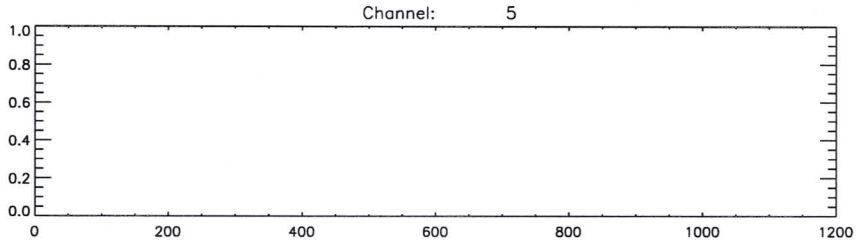
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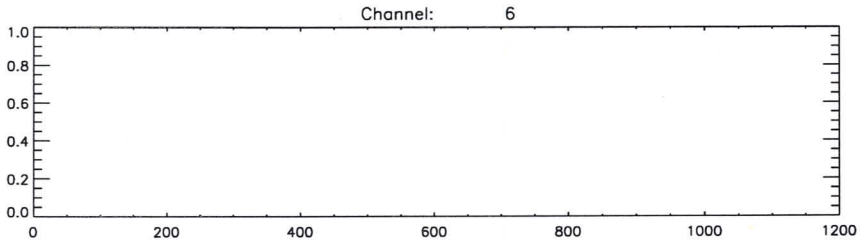
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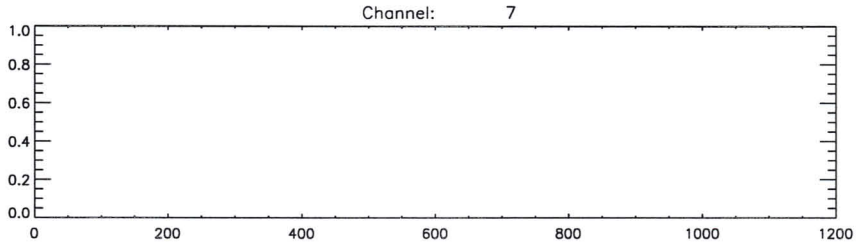
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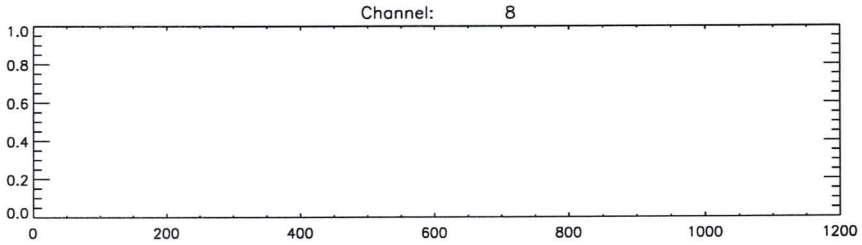
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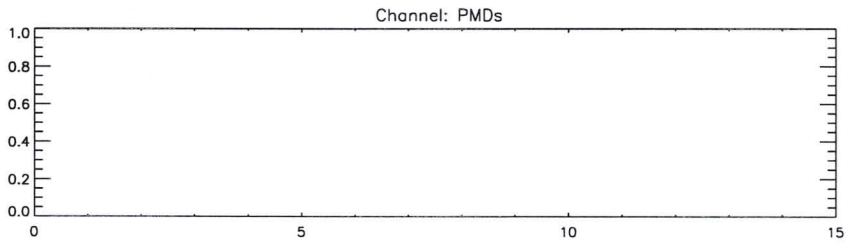
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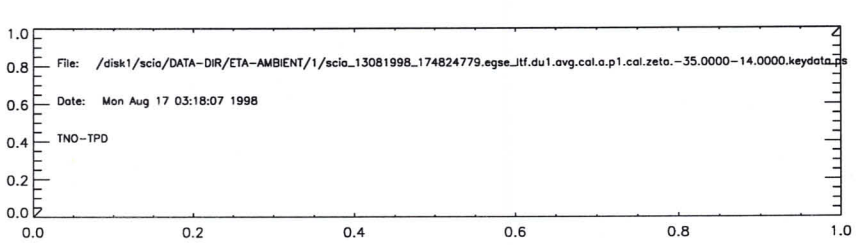
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Date: Mon Aug 17 03:18:07 1998
TNO-TPD
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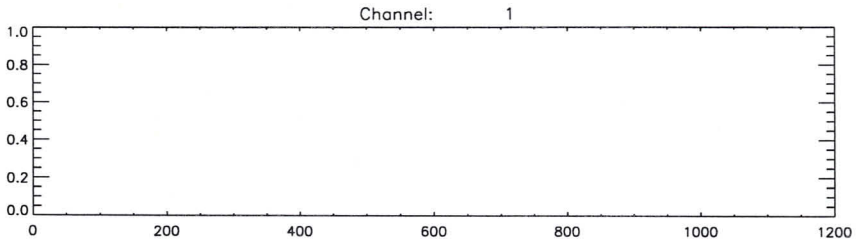
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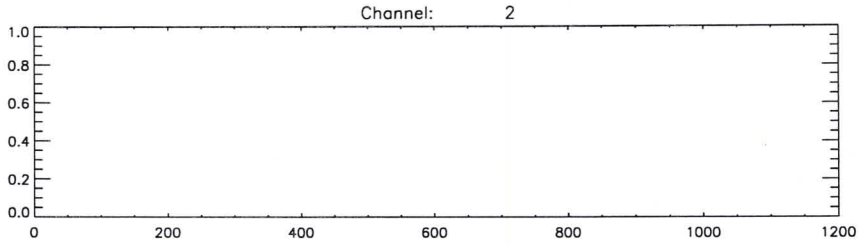
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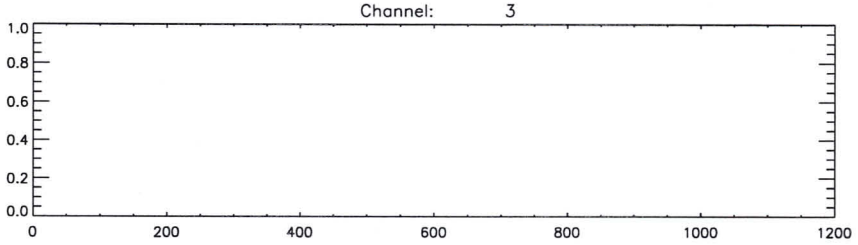
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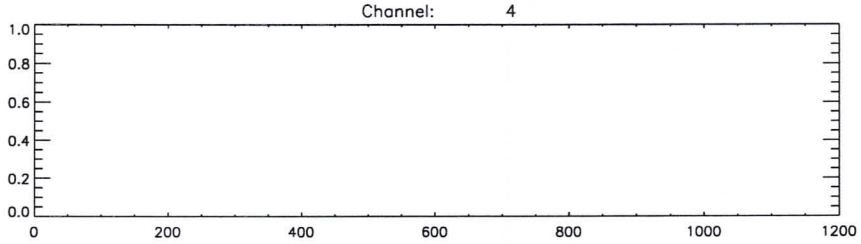
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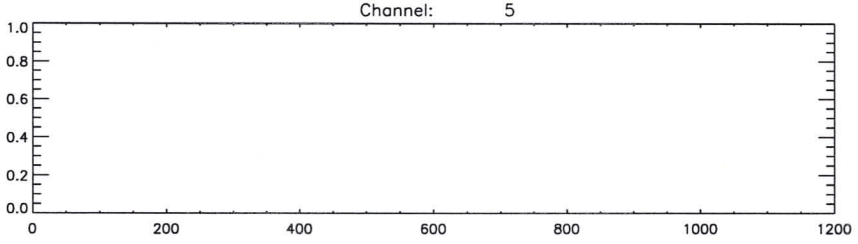
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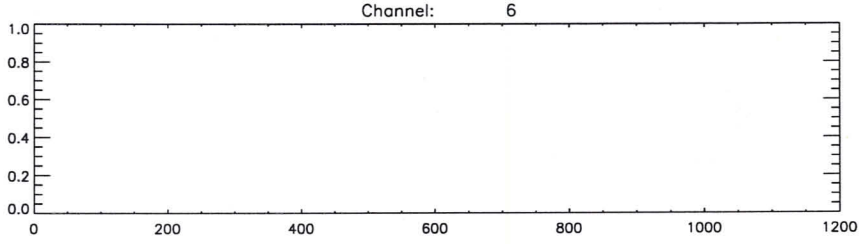
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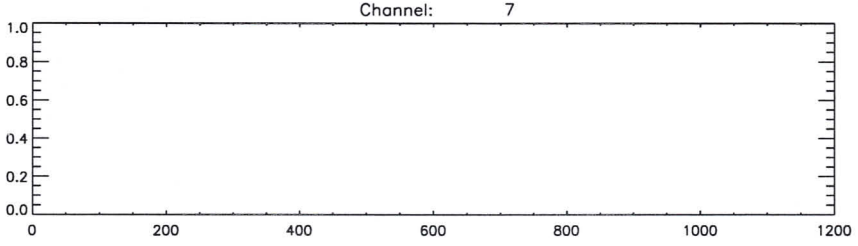
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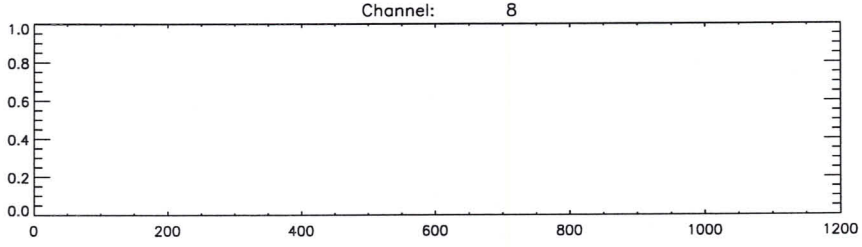
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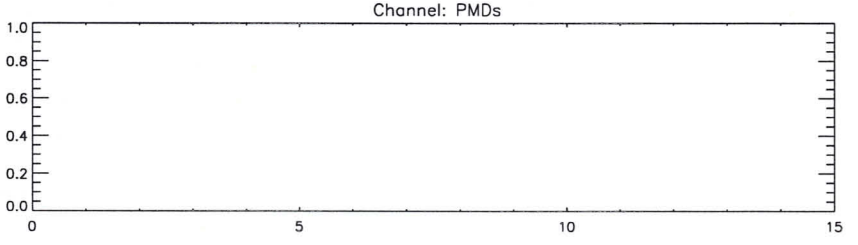
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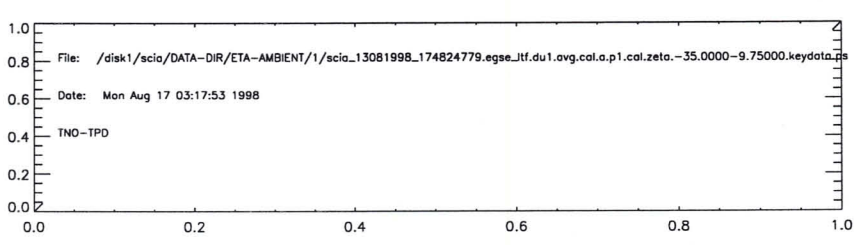
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Date: Mon Aug 17 03:17:53 1998
TNO-TPD
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0.8
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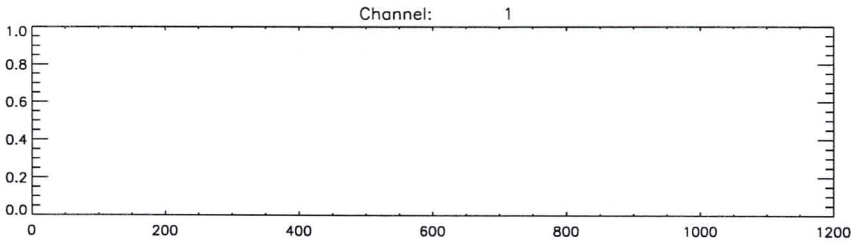
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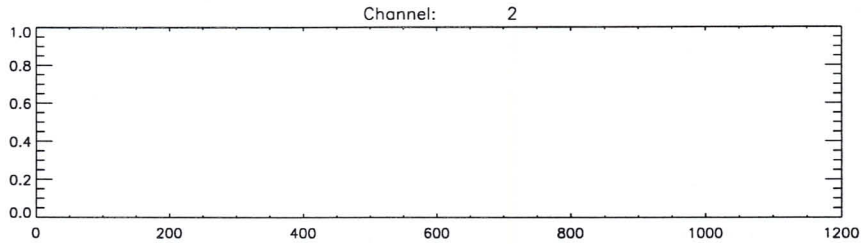
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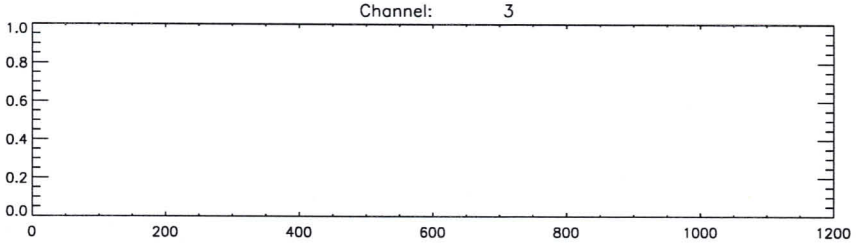
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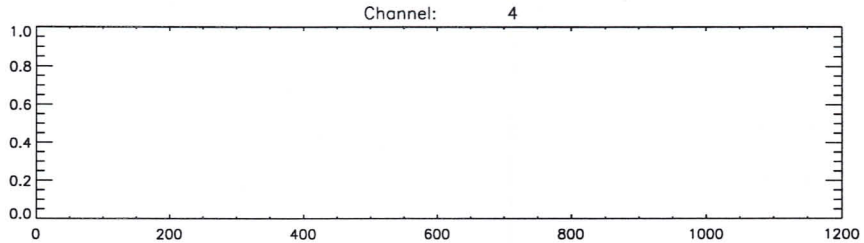
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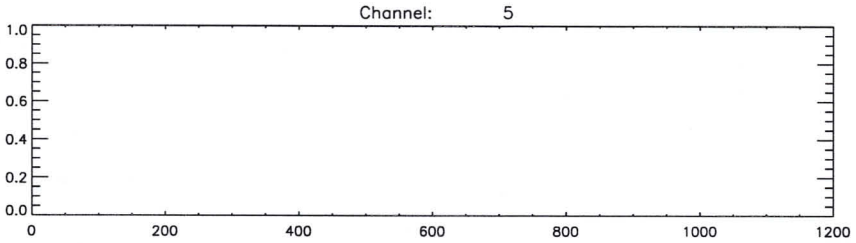
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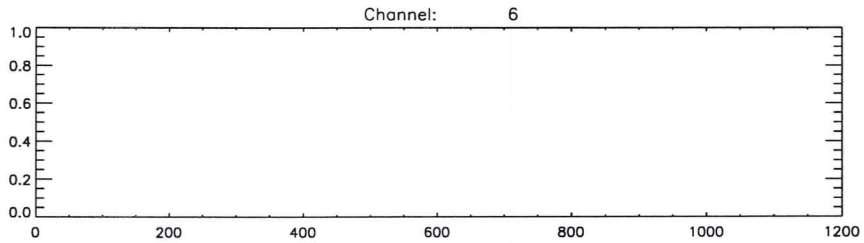
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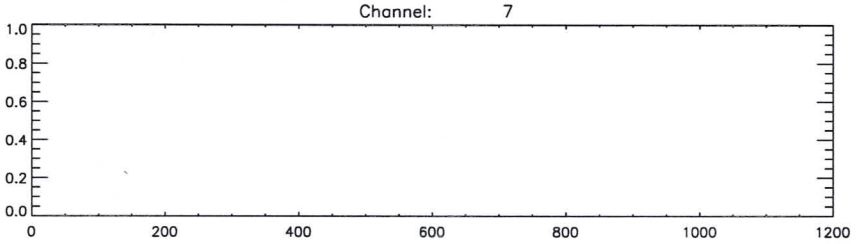
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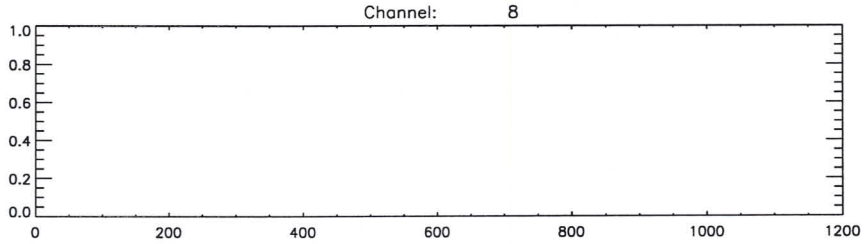
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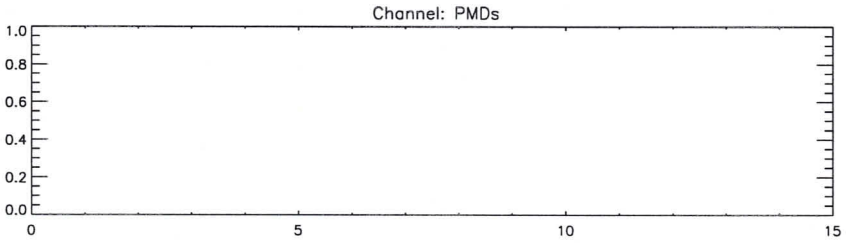
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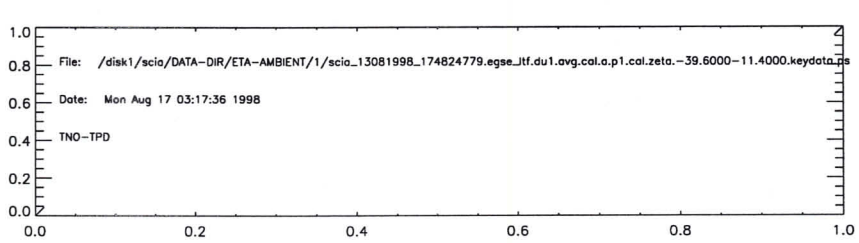
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_jtf.du1.avg.cal.a.p1.cal.zeta.-39.6000-11.4000.keydata.ps
Date: Mon Aug 17 03:17:36 1998
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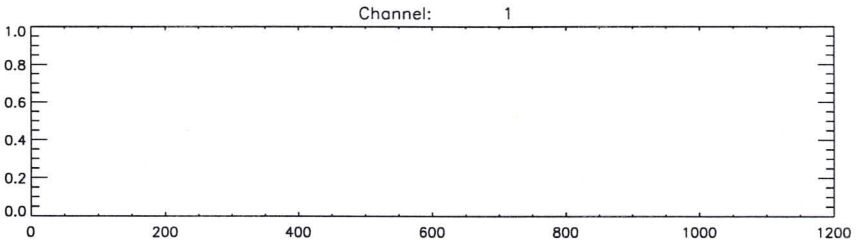
1.0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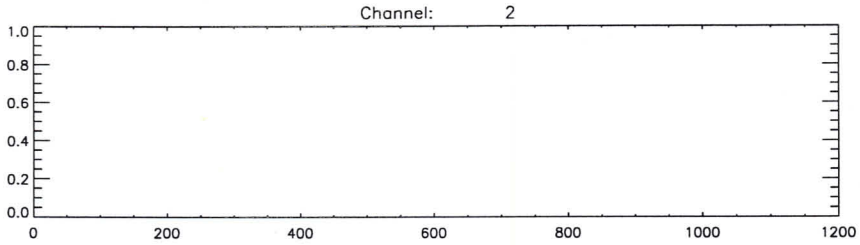
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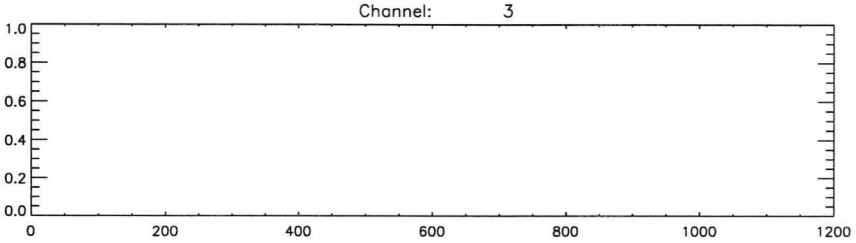
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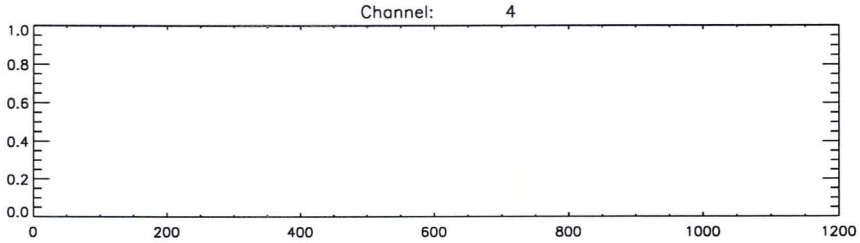
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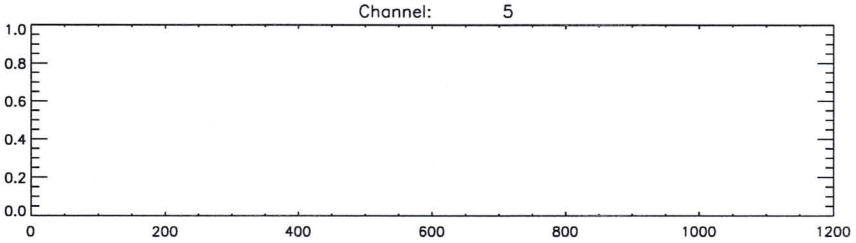
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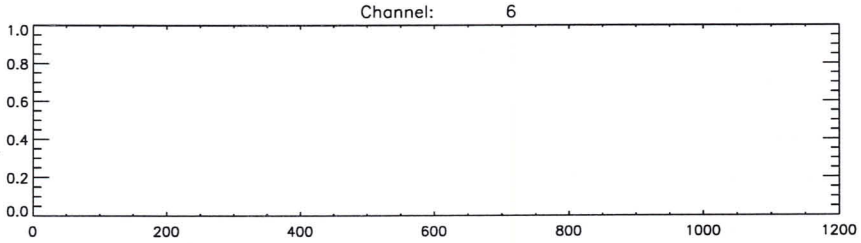
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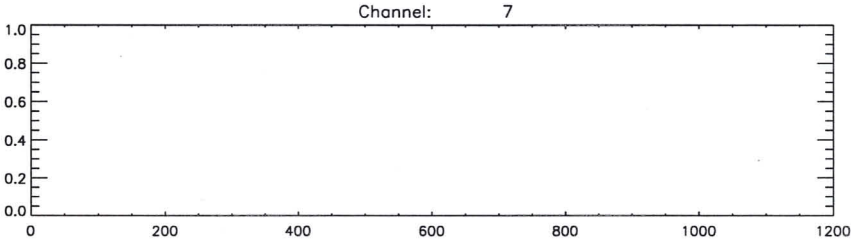
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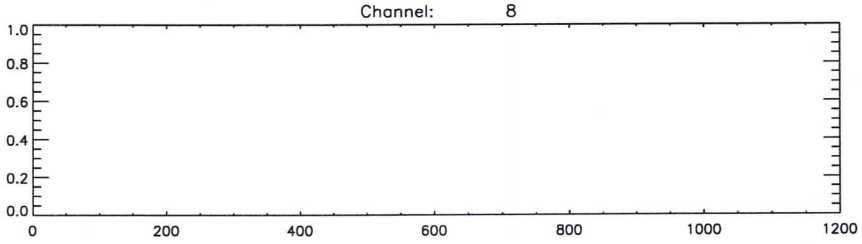
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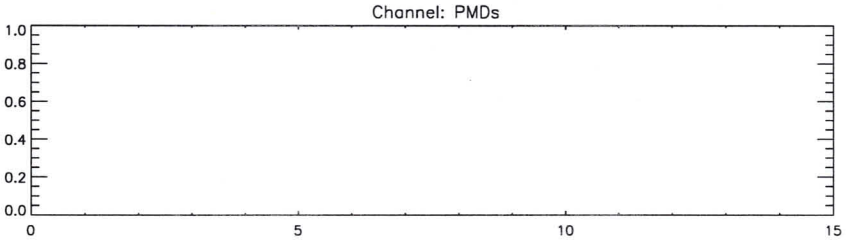
Channel: PMDs
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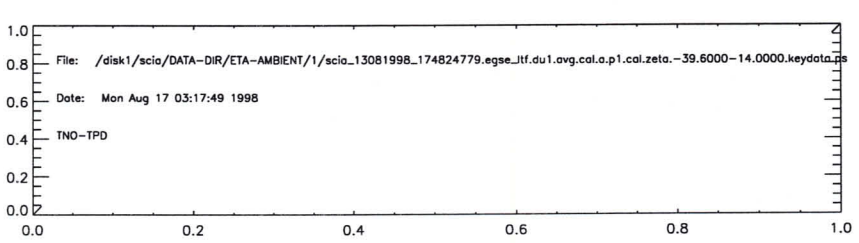
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.zeta.-39.6000-14.0000.keydata.ps
Date: Mon Aug 17 03:17:49 1998
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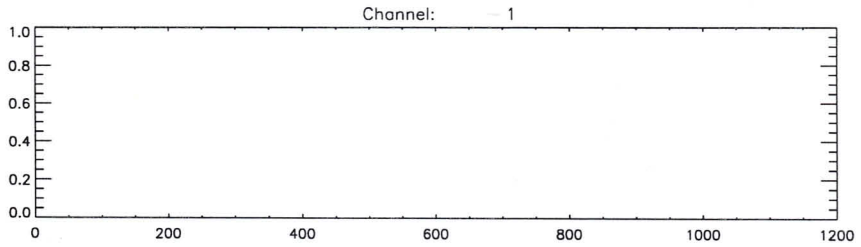
0.8
1.0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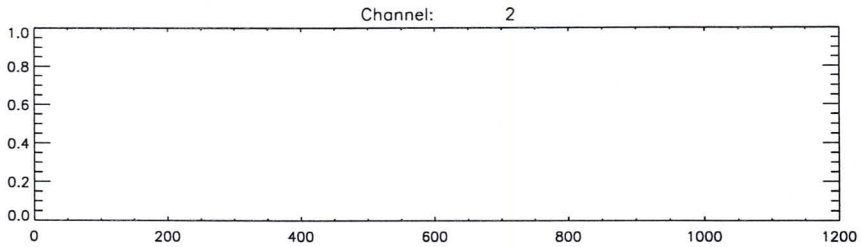
Channel: 2
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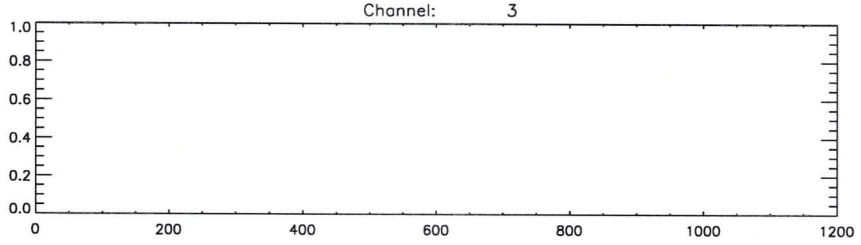
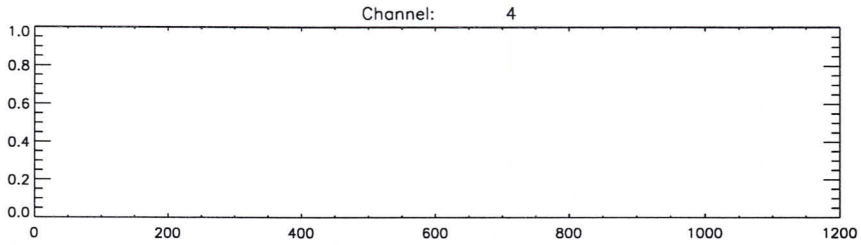
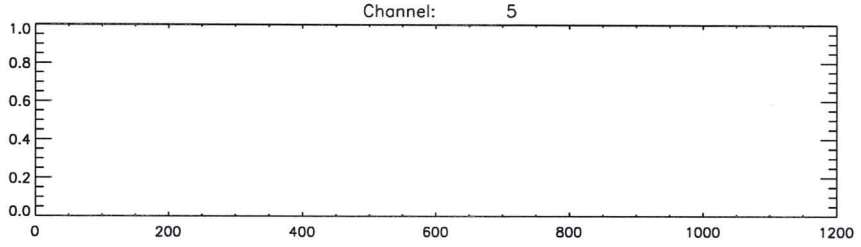
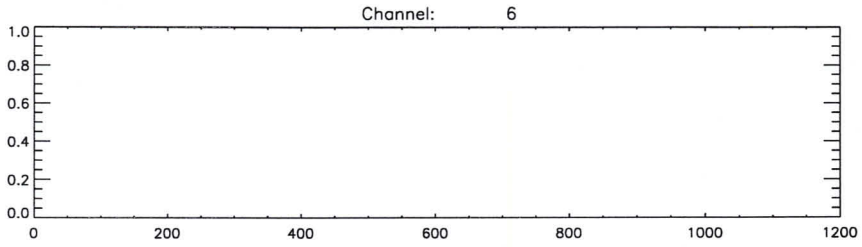
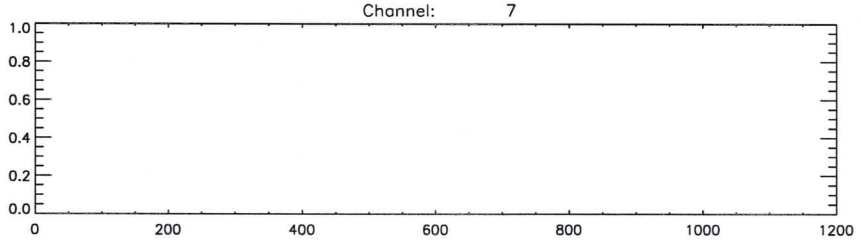
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

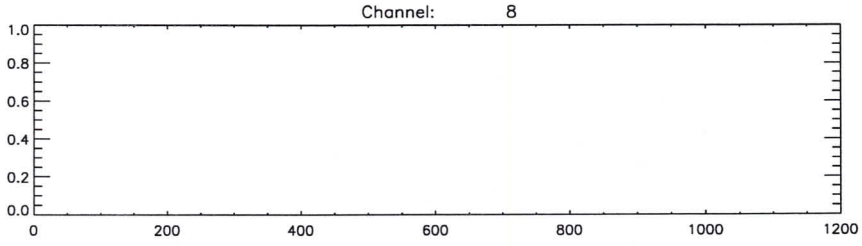

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

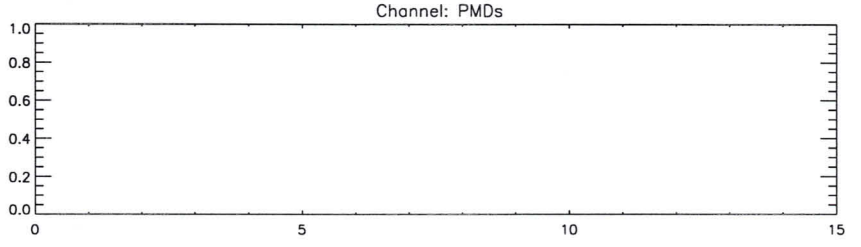

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

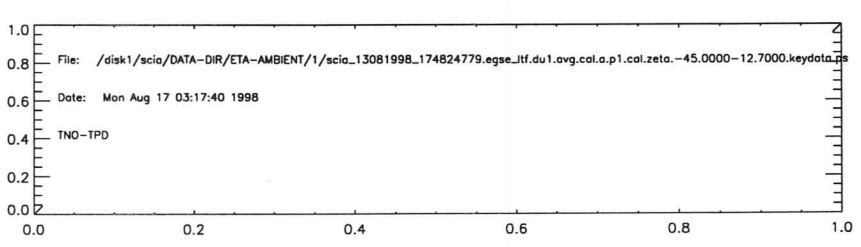

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

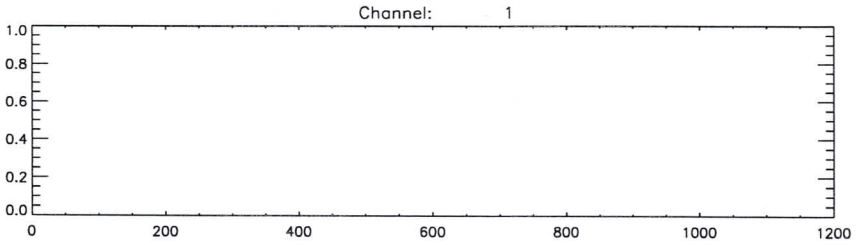

Channel: 6
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

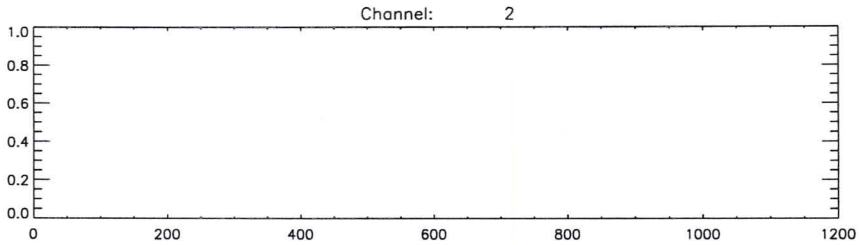

Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

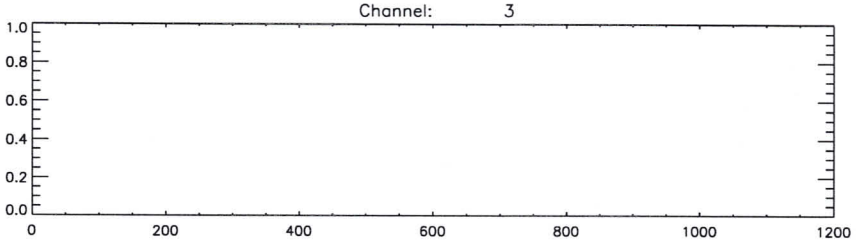

Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

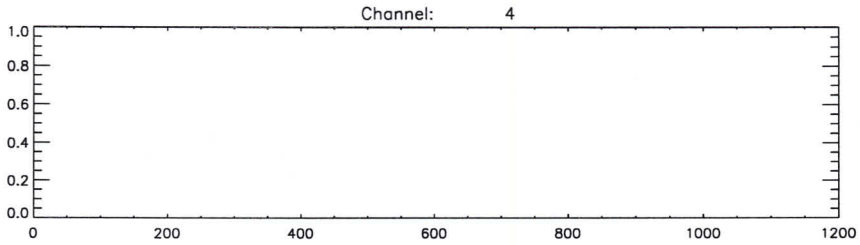

Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15

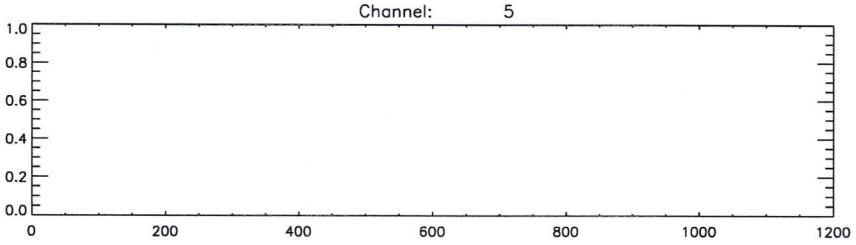

File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-45.0000-12.7000.keydata.ps
Date: Mon Aug 17 03:17:40 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

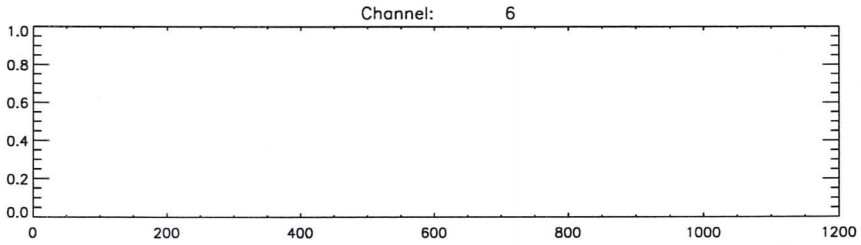

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

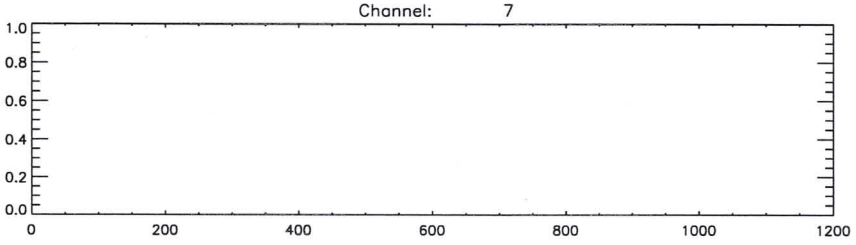

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

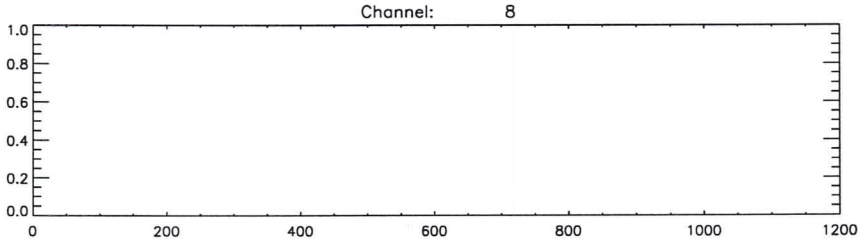

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

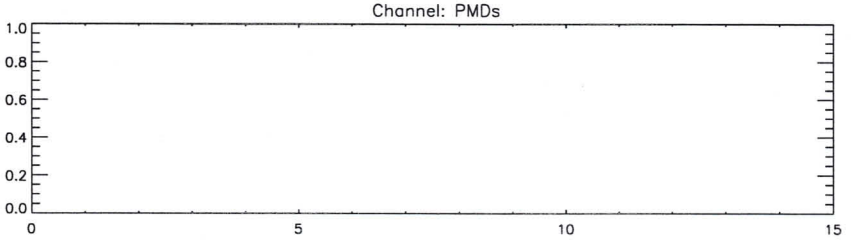

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

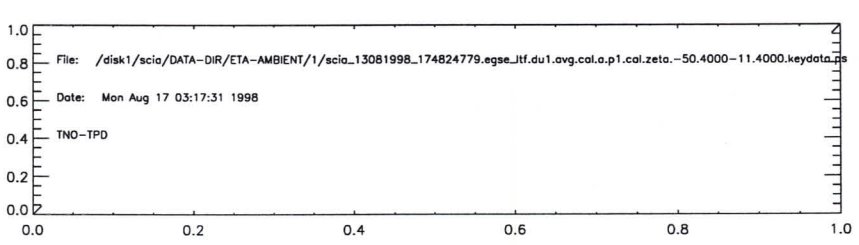

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

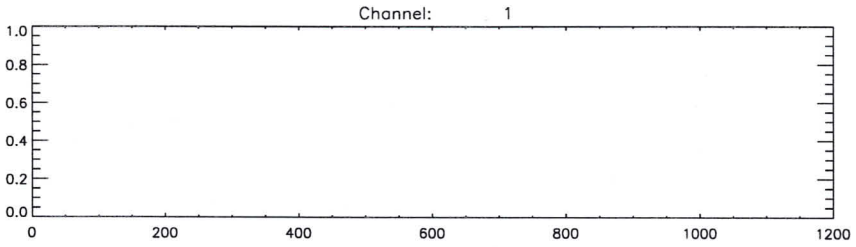

Channel: 6
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

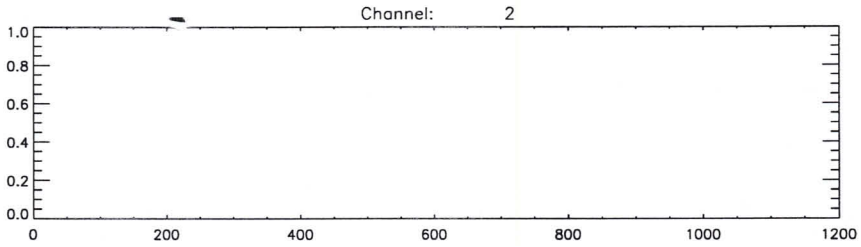

Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

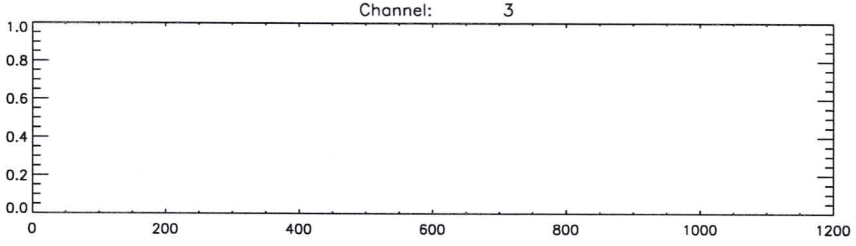

Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

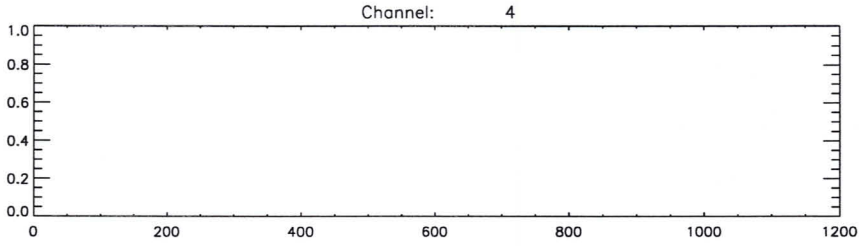

Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15

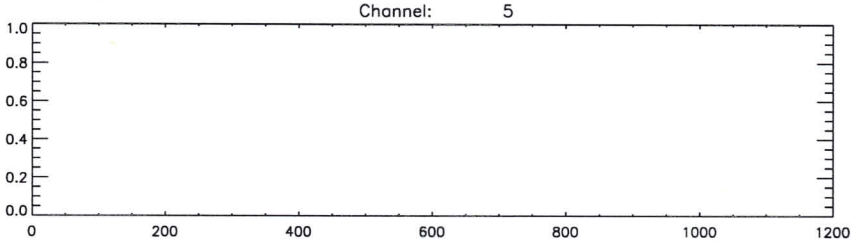

File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-11.4000.keydata.ps
Date: Mon Aug 17 03:17:31 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

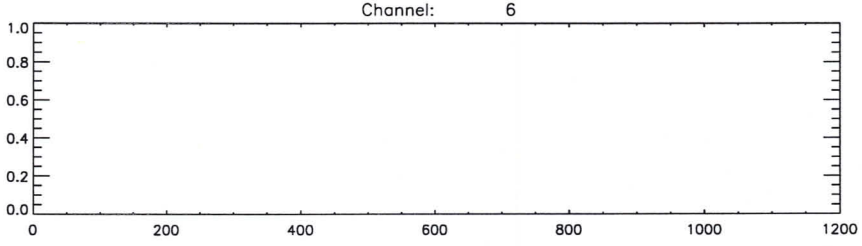

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

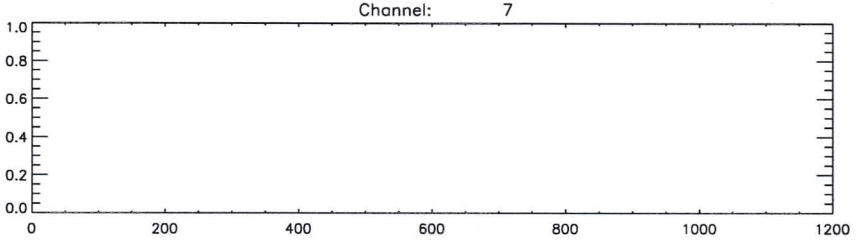

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

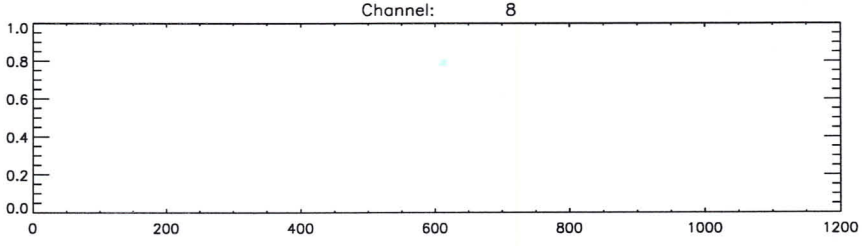

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

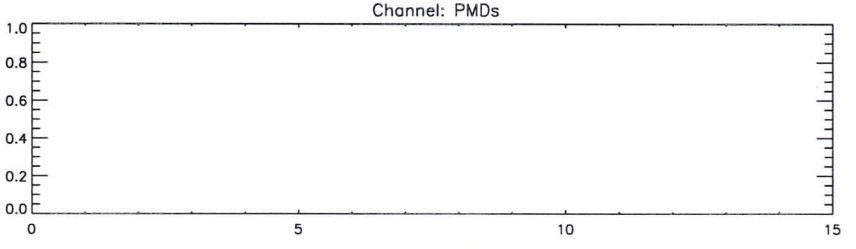

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

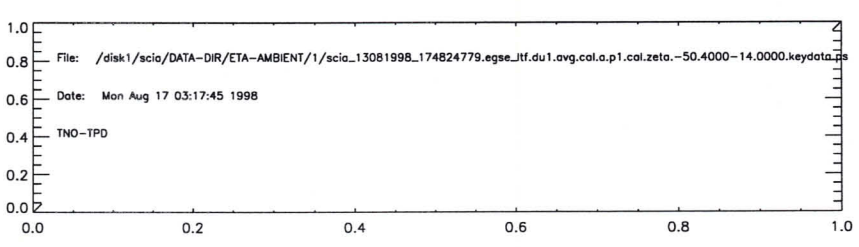

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.zeta.-50.4000-14.0000.keydata.ps
Date: Mon Aug 17 03:17:45 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
19-8 0:40	new release eta_ambient * pl. cal. eta key data seems ok small deviations from Marcels AIT-curves e.g. pix 1-50 of channel 2 pix 900-1000 " " 3 dip and peak at end of channel 4 2nd part of channel 6 lower peaks in overlap regions * with eta_nadir (angle) curves are now identical to eta and not anymore all identical to channel 8	

Run ETA `idl do_eta_ambient` — In IDL Window

Check ETA `ls -l *` — In DATA-DIR window

Size of file `<I1>.tmp.keydata` *.ps 143467 *.log 1456

Size of file `<I1>.eta-nadir.<angle>.keydata` *.ps 142743 5 stuks *.log 1477

Size of file `<I1>.eta-limb.<angle-comb>.keydata` *.ps 140.000 10 stuks *.log 1484

Size of file `<I1>.zeta.<angle-comb>.keydata` *.ps 140.000 10 stuks *.log 1476

where `<angle-comb>` is an ASM-ESM angle combination, and `<angle>` is a ESM angle.

Print logfiles *.ps

`lpr -P<printer> *.log`

Add logfiles to logbook, done (Y) / N

Back up

Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).

Name of backup CDs _____

See analysis sheet BackUp

Sign:

Name W. J. Lynch

Date and time 19-08-98

Signature

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	W. Lynch 10-8-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	_____	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/ETA-AMBIENT ; ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
		0
		_____
		1
		_____
		(Y) / N
			Note: In window DATA-DIR
			(B)
			(C)

	directory name is:	`~/DATA-DIR/ETA-AMBIENT/<C>`	(DIR-NAME)
Copy input files			
	Let <I1> be the ETA-UV calibration file with the extension '*.a.p1.cal' (i.e., full path name of <I1> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.a.p1.cal`) Full path name of <I1>	ETA-UV/1/x1308199g8-17g82477g	In DATA-DIR window (I1)
	Let <I2> be the ETA-UV calibration file with the extension '*.c.p1.cal' (i.e., full path name of <I2> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.c.p1.cal`) Full path name of <I2>	idem	In DATA-DIR window (I2)

wit ETA-UV/1

Let <I3> be the ETA-UV calibration file with the extension '*.e.p1.cal' (i.e., full path name of <I3> is something like: `~/DATA-DIR/ETA-UV/<number>/<abc>.e.p1.cal`)
Full path name of <I3> idem (I3)

In DATA-DIR window

Let <I4> be the ETA-IR calibration file with the extionsion '*.b.p1.cal' (i.e., full path name of <I4> is something like: `~/DATA-DIR/ETA-IR/<number>/<abc>.b.p1.cal`)
Full path name of <I4> ETA-IR/4/16g81998-192610534.* (I4)

cut
ETA-IR/4/

Let <I5> be the ETA-IR calibration file with the extionsion '*.d.p1.cal' (i.e., full path name of <I4> is something like: `~/DATA-DIR/ETA-IR/<number>/<abc>.d.p1.cal`)
Full path name of <I5> idem (I5)

```
cp <I1> <DIR-NAME>
cp <I2> <DIR-NAME>
cp <I3> <DIR-NAME>
cp <I4> <DIR-NAME>
cp <I5> <DIR-NAME>

cp <I1>.log <DIR-NAME>

cp <I2>.log <DIR-NAME>

cp <I3>.log <DIR-NAME>

cp <I4>.log <DIR-NAME>

cp <I5>.log <DIR-NAME>
ls -l <DIR-NAME>
```

Are <I1> ,..., <I5> present in <DIR-NAME>? Y / N

ETA processing

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of TMP (eq. 3.1.5)
Processing time: Tue Aug 18 23:53:49 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Wavelength value corresponding to TMP (eq. 3.1.5)
Processing time: Tue Aug 18 23:53:50 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA
Processing time: Tue Aug 18 23:53:47 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
¿   slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:39 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:27 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ε slp = #VERSION 0.0
aıasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:31 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:35 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:22 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć  slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:06 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
; slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:18 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:11 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
a..asls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:02 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_LIMB (eq. 3.1.11)
Processing time: Tue Aug 18 23:54:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a[illegible]slp = #VERSION 0.0
a[illegible]sls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Tue Aug 18 23:54:00 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Tue Aug 18 23:53:58 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   .slp = #VERSION 0.0
a1asls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Tue Aug 18 23:53:56 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   .slp = #VERSION 0.0
a1asls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Tue Aug 18 23:53:54 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
[illegible]slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ETA_NADIR (eq. 3.1.8)
Processing time: Tue Aug 18 23:53:52 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
; .slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpa9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa8.avg.cal
   isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsa9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:56:04 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of TMP (eq. 3.1.5)
Processing time: Tue Aug 18 23:53:49 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:41 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
[illegible]slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:29 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:33 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:37 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:25 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:08 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
ć   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:20 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:13 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;   slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:04 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
;  `slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
 and

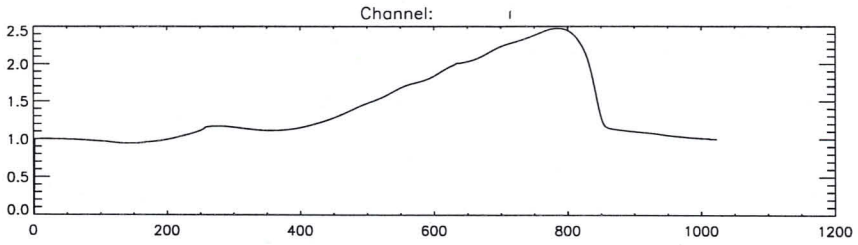
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_16081998_192610534.egse_ltf.du1.avg.ca
Action: Computation of ZETA (eq. 3.1.12)
Processing time: Tue Aug 18 23:54:16 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.ca
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
a slp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpc9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc8.avg.cal
   isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wsc9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:57:14 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.c.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe8.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wpe9.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse1.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse10.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse2.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse3.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse4.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse5.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse6.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse7.avg.cal
 /disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse8.avg.cal
  `isk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.wse9.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Fri Aug 14 08:58:25 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-UV/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpb4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsb4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:19 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.b.p
```

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wpd4.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd1.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd2.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd3.avg.cal
 /disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.wsd4.avg.cal
Processing:
Computation of Eta (do_single_eta)
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used:
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used:
Processing time: Mon Aug 17 01:16:48 1998
Output file name:
/disk1/scia/DATA-DIR/ETA-IR/4/scia_16081998_192610534.egse_ltf.du1.avg.cal.d.p
```


Channel:
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1.0
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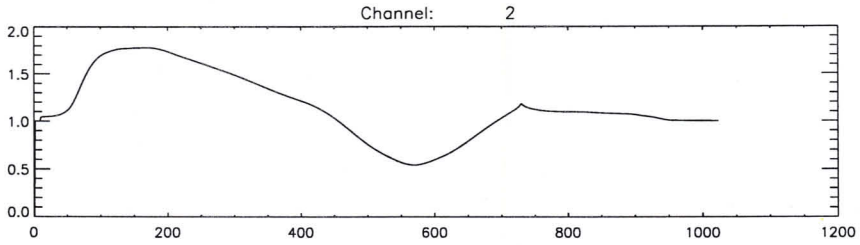
800
1000
1200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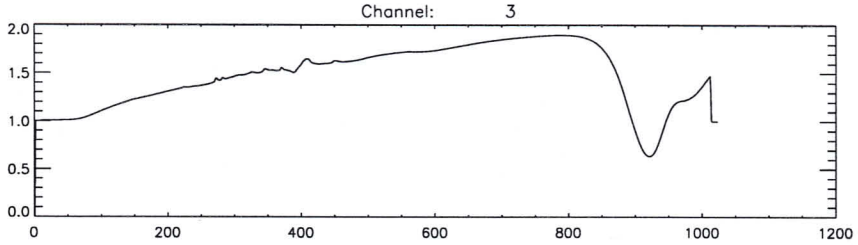
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1000
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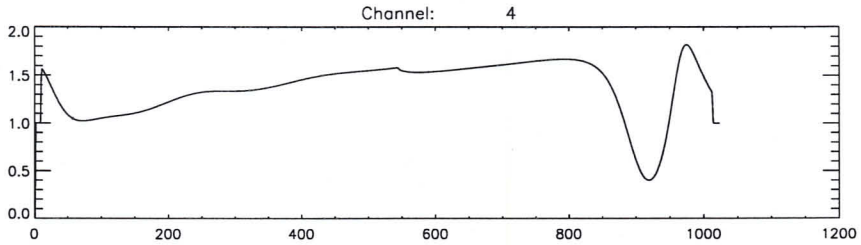
Channel: 4
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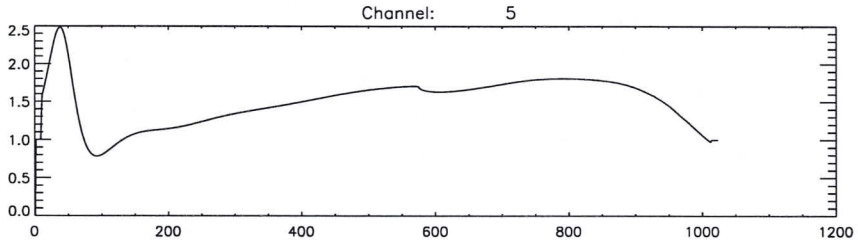
Channel: 5
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1.5
1.0
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1000
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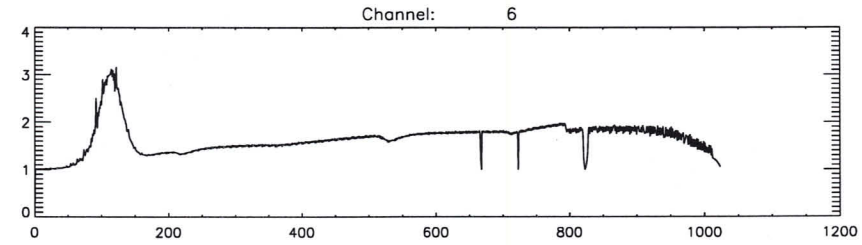
Channel: 6
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3
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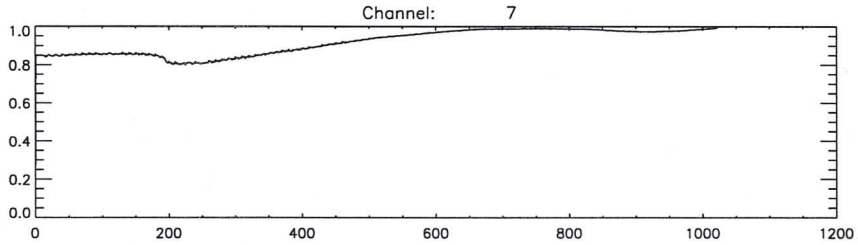
Channel: 7
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1000
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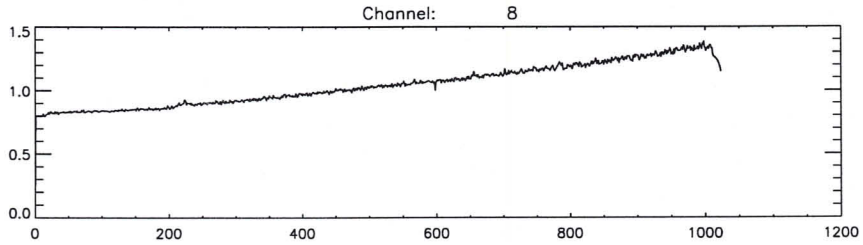
Channel: 8
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600
800
1000
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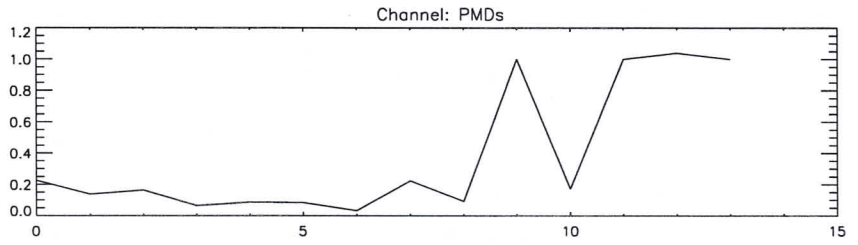
Channel: PMDs
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0.4
0.2
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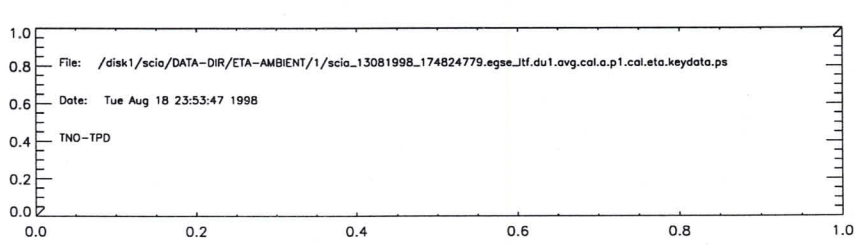
0
5
10
15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0.4
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File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.ps
Date: Tue Aug 18 23:53:47 1998
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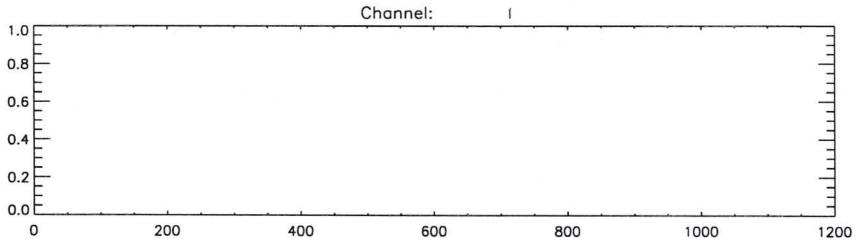
0.4
0.6
0.8
1.0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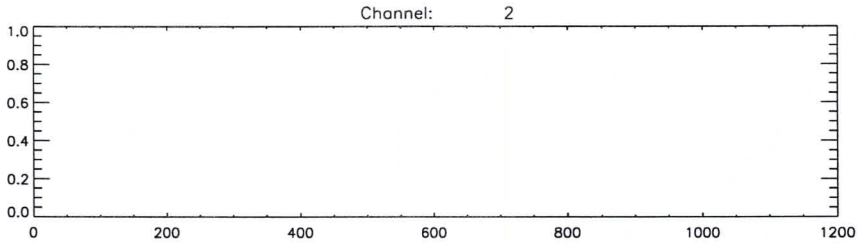
1200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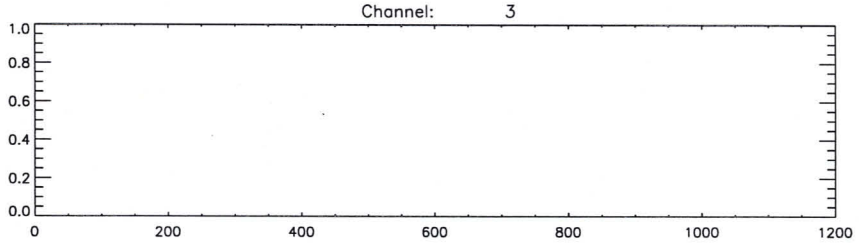
Channel: 3
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1000
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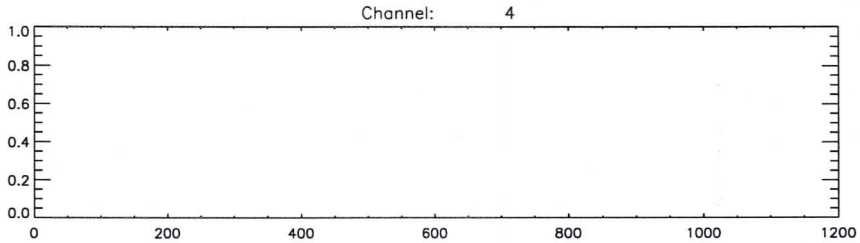
Channel: 4
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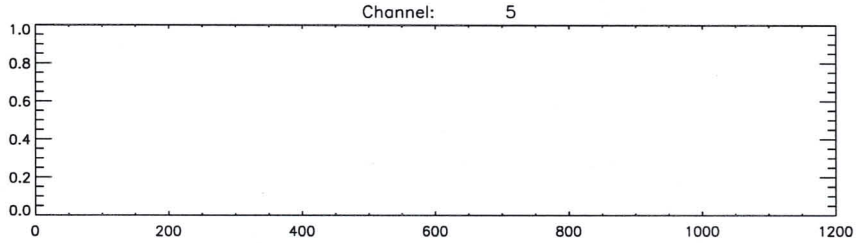
Channel: 5
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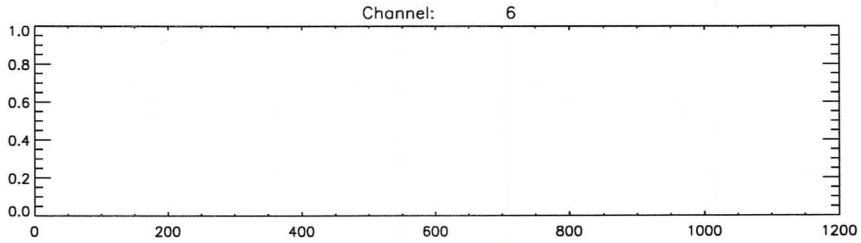
Channel: 6
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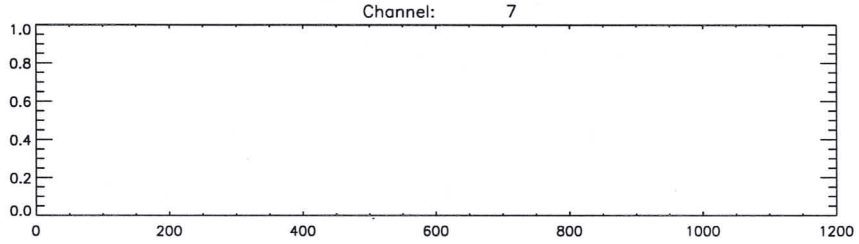
Channel: 7
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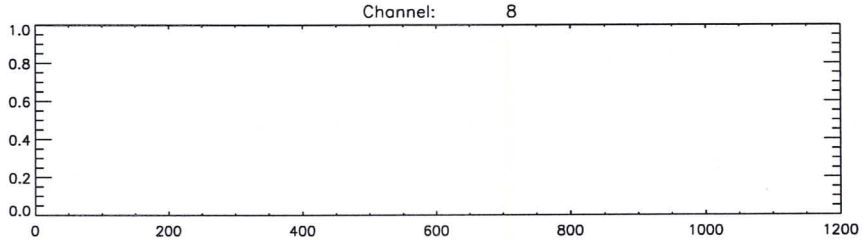
Channel: 8
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0.2
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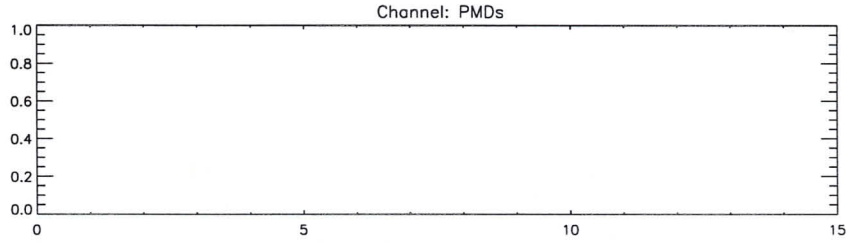
Channel: PMDs
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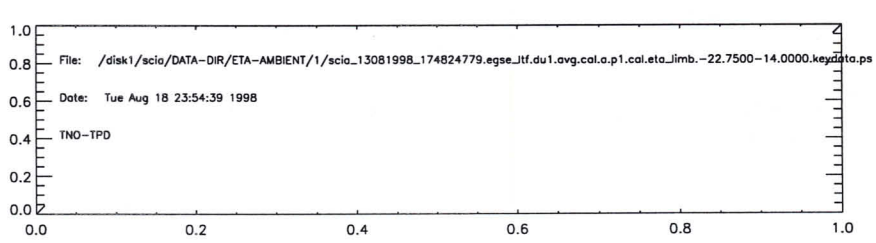
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-14.0000.keydata.ps
Date: Tue Aug 18 23:54:39 1998
TNO-TPD
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0.2
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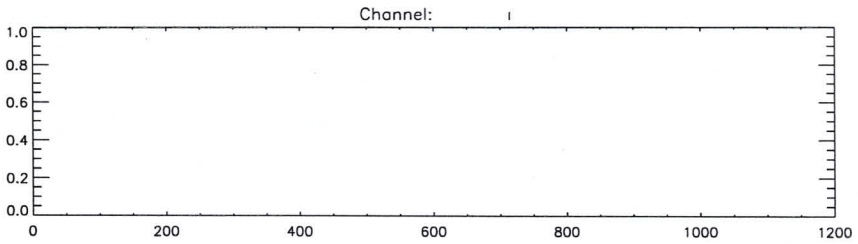
0.8
1.0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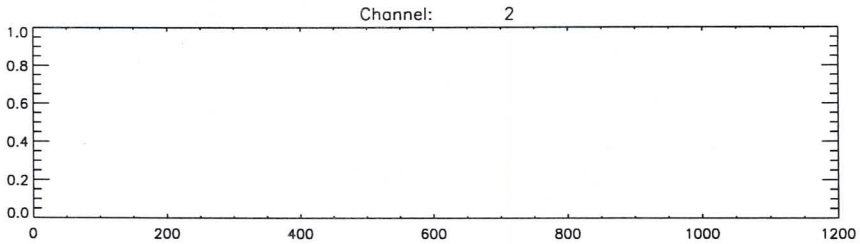
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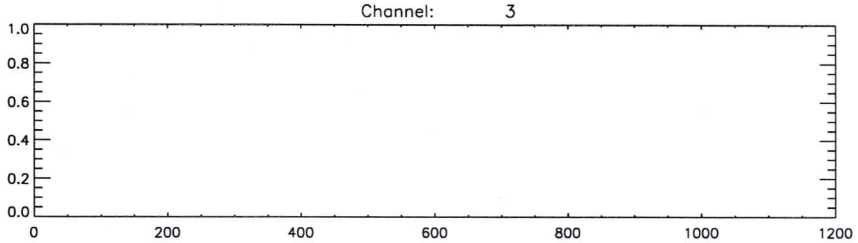
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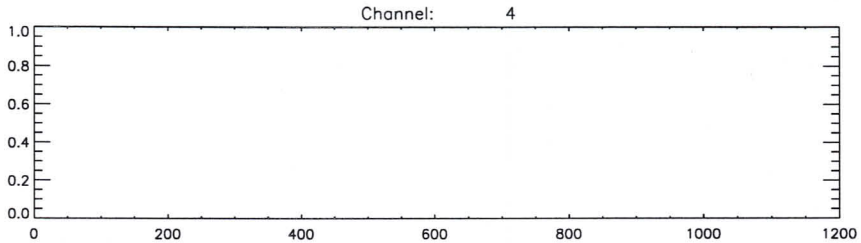
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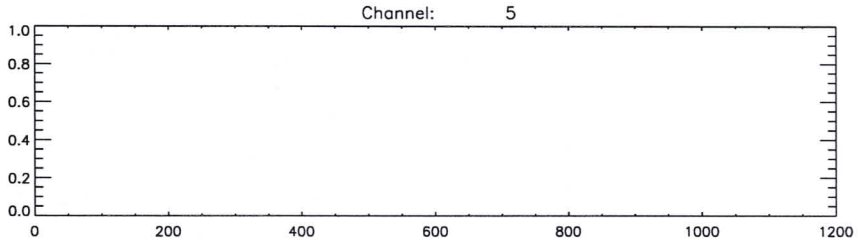
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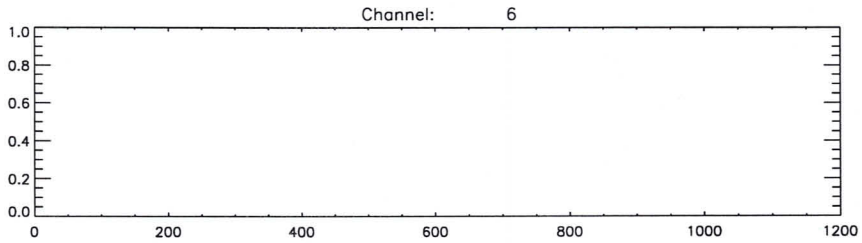
Channel: 6
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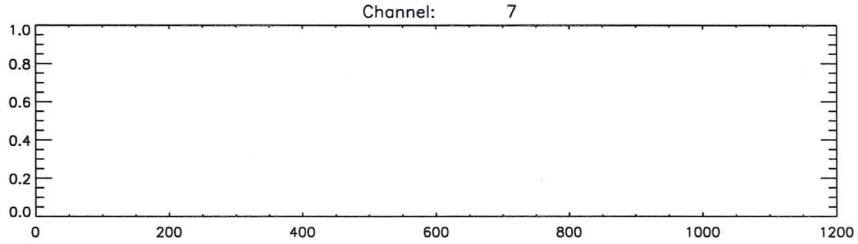
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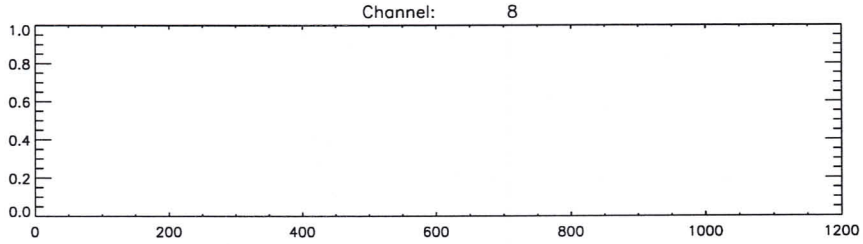
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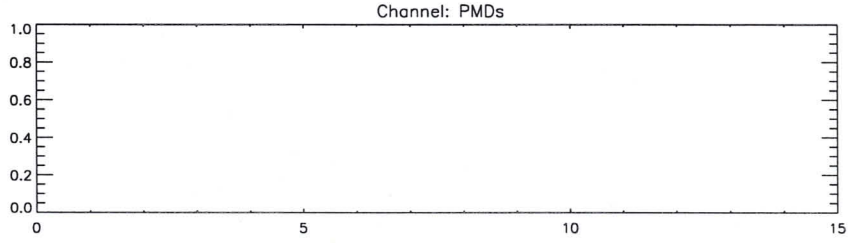
Channel: PMDs
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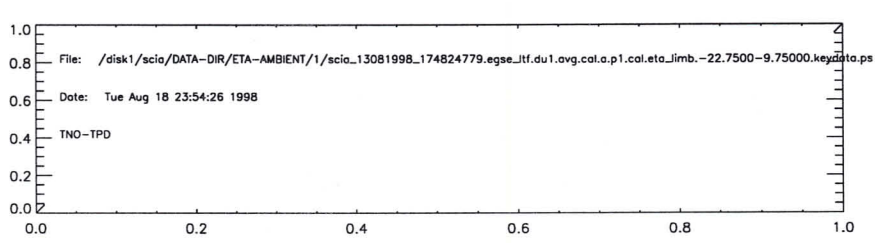
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-9.75000.keydata.ps
Date: Tue Aug 18 23:54:26 1998
TNO-TPD
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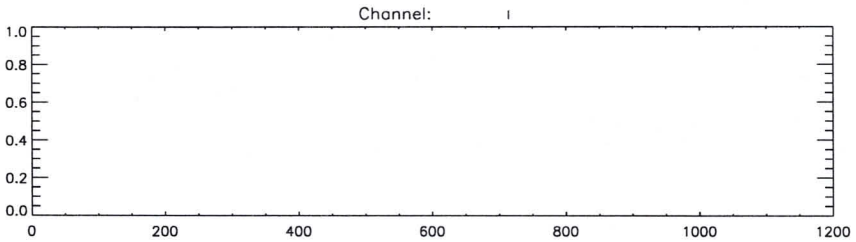
0.8
1.0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0.6
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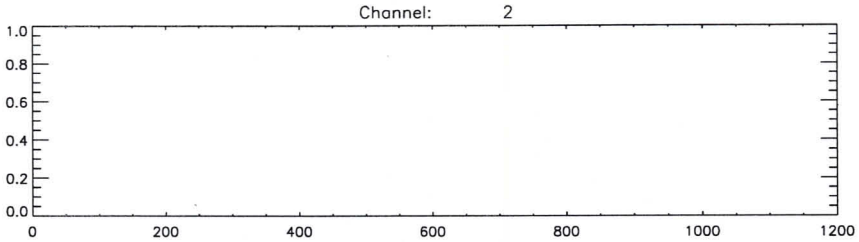
1200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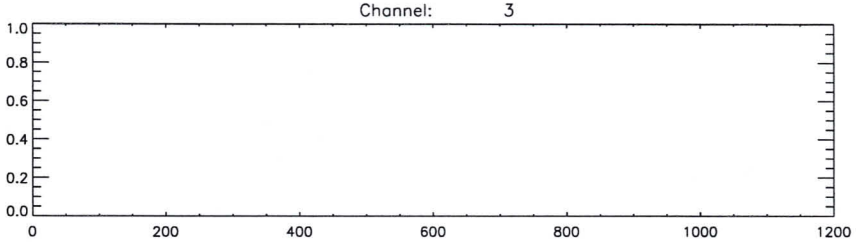
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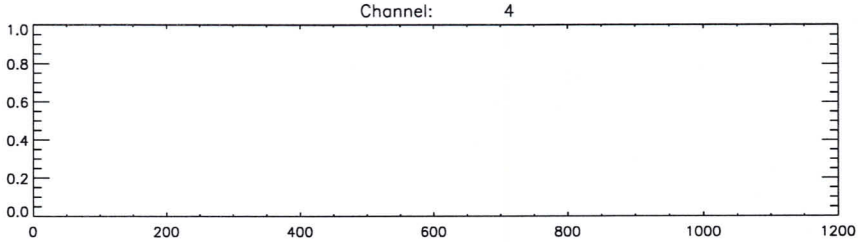
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800
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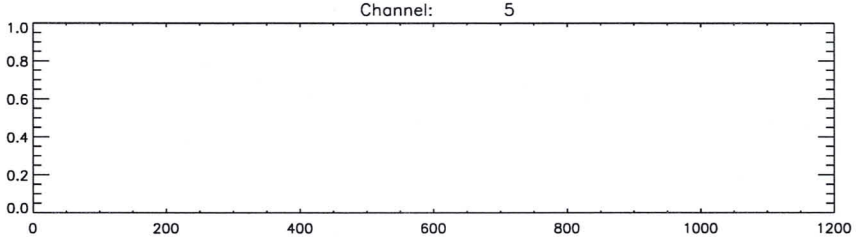
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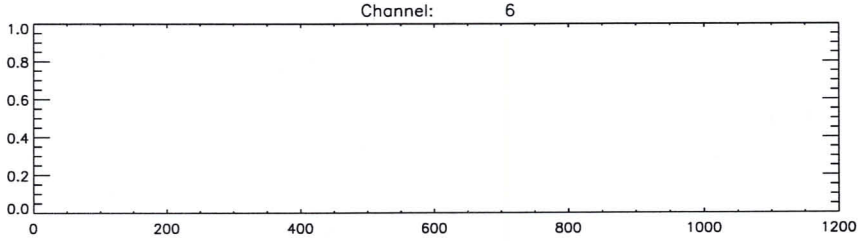
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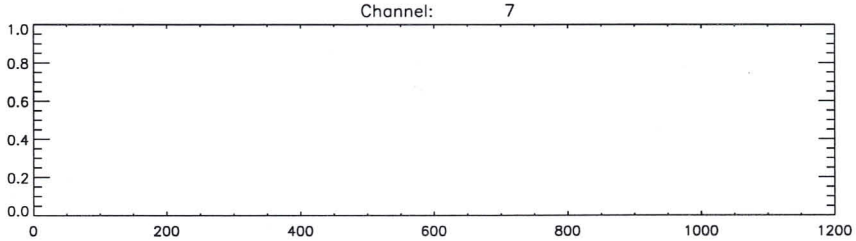
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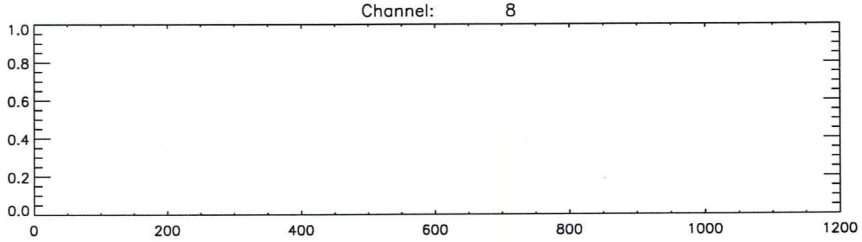
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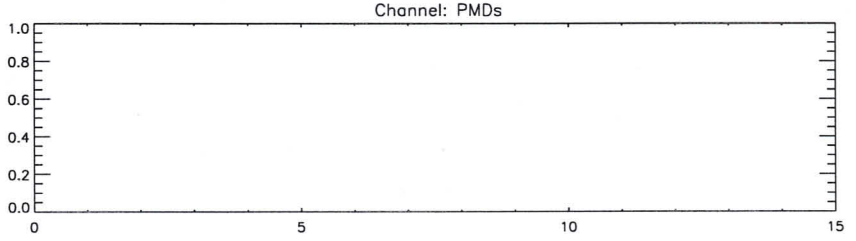
Channel: PMDs
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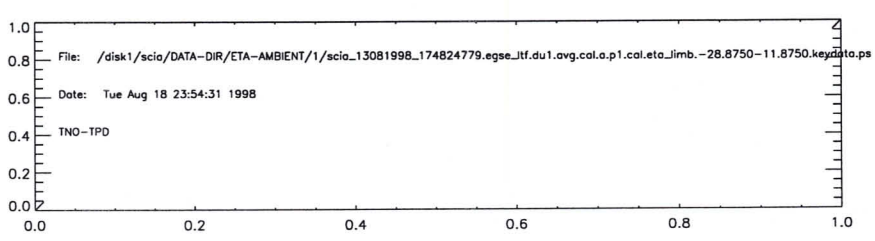
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750-11.8750.keydata.ps
Date: Tue Aug 18 23:54:31 1998
TNO-TPD
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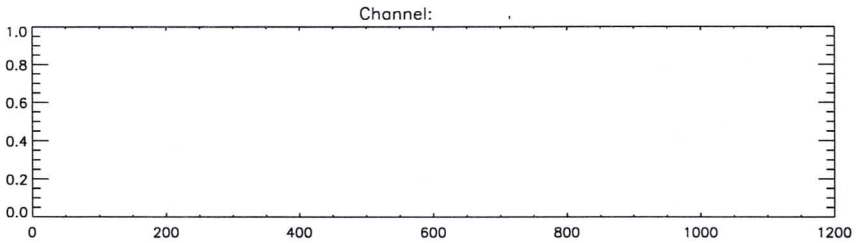
1.0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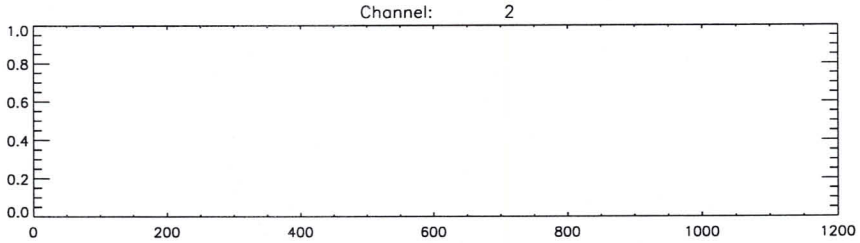
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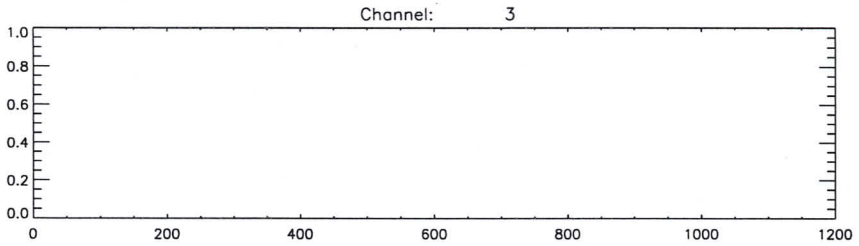
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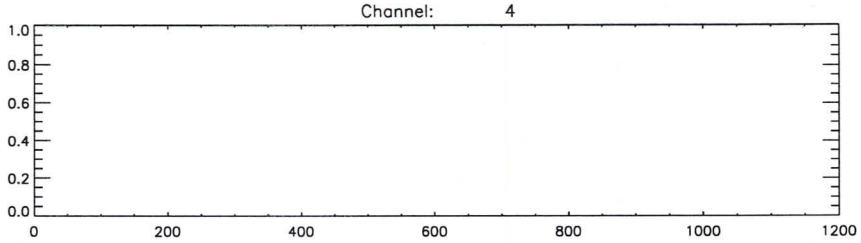
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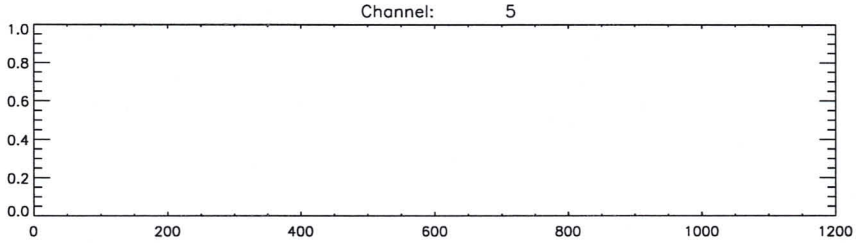
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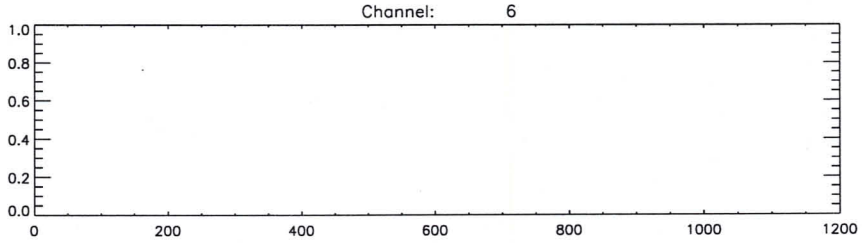
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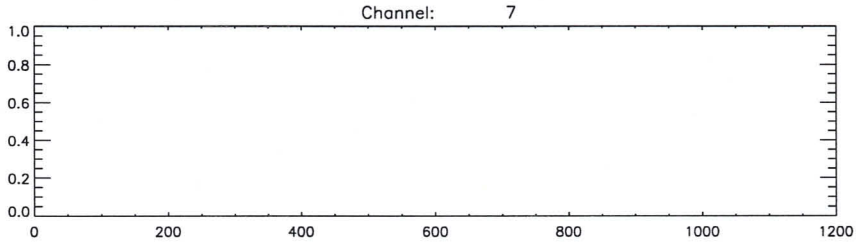
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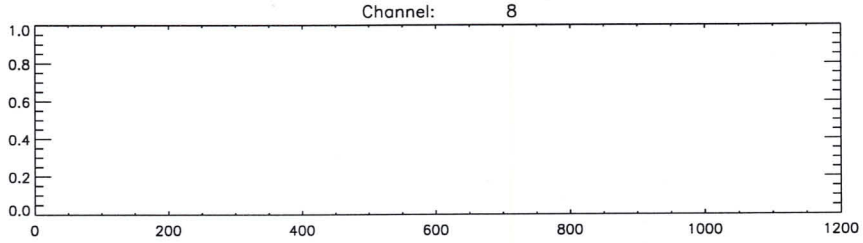
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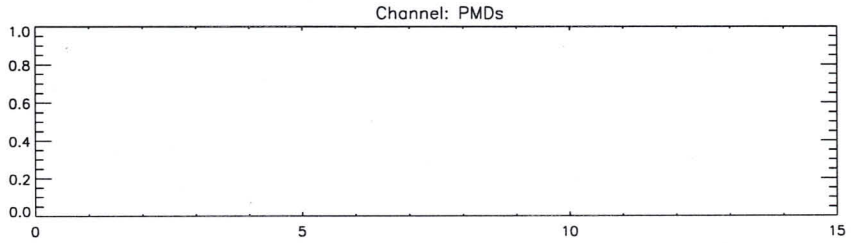
Channel: PMDs
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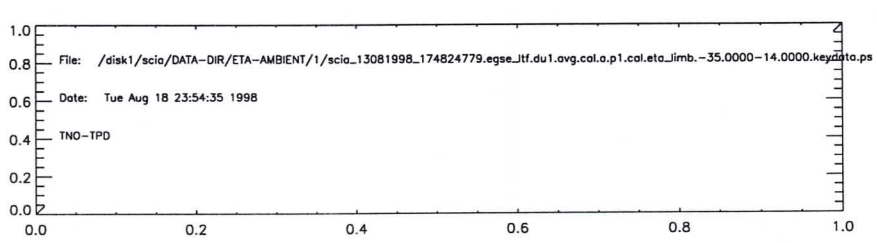
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:35 1998
TNO-TPD
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0.2
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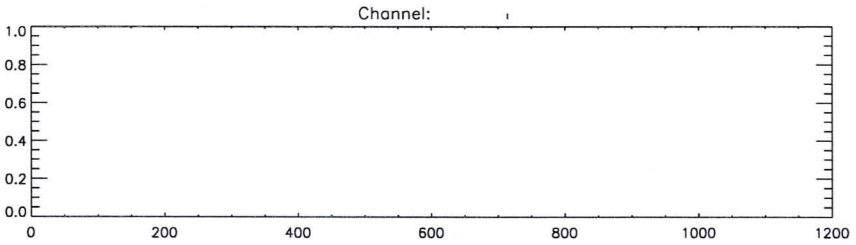
0.8
1.0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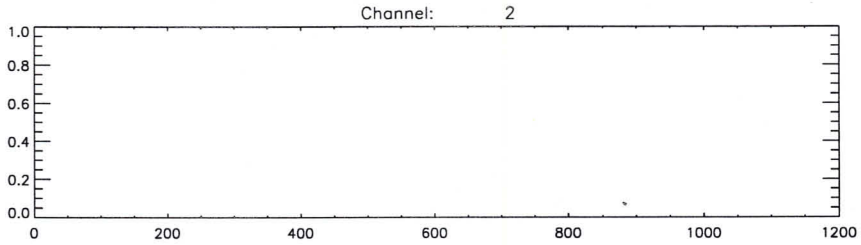
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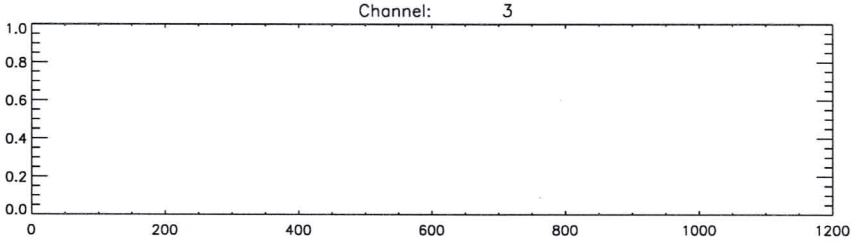
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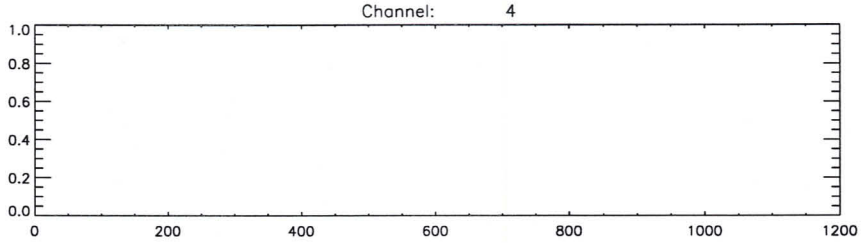
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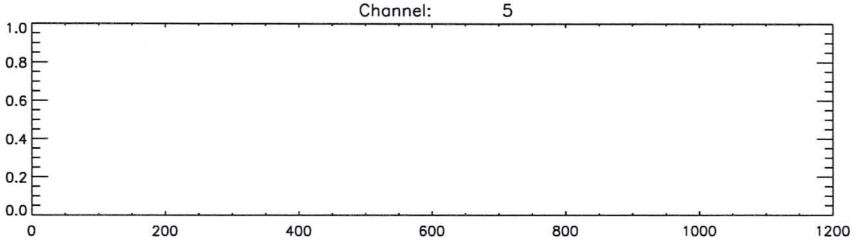
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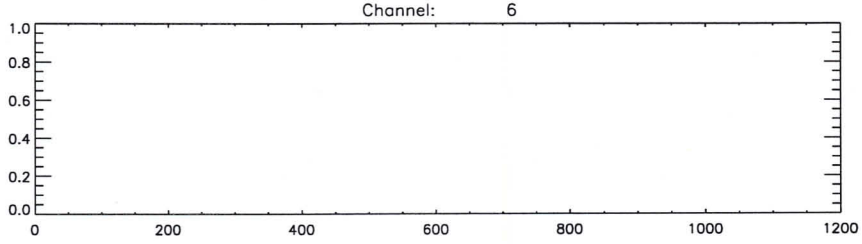
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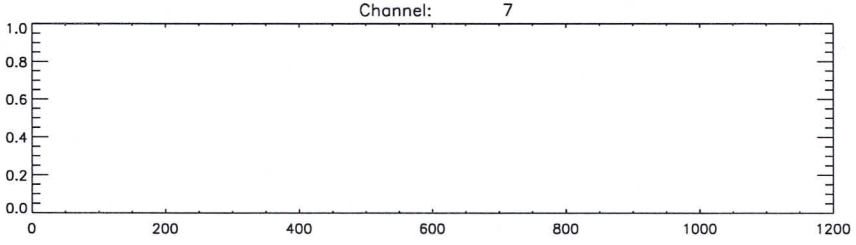
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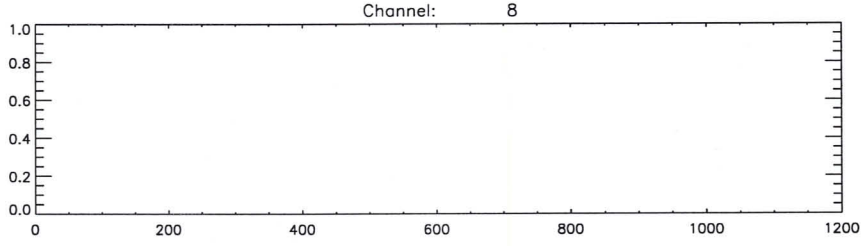
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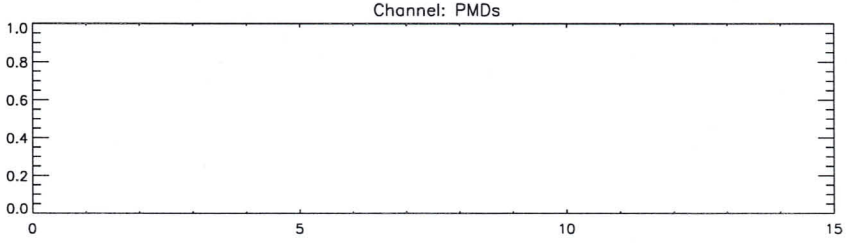
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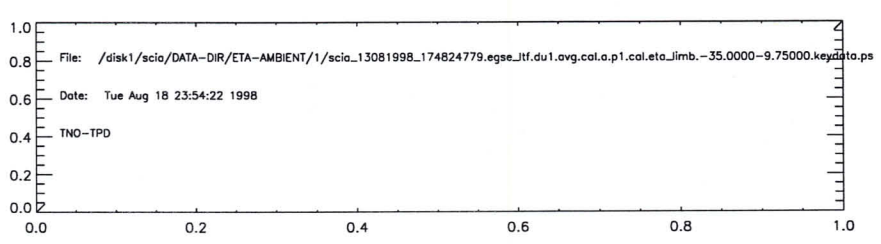
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-9.75000.keydata.ps
Date: Tue Aug 18 23:54:22 1998
TNO-TPD
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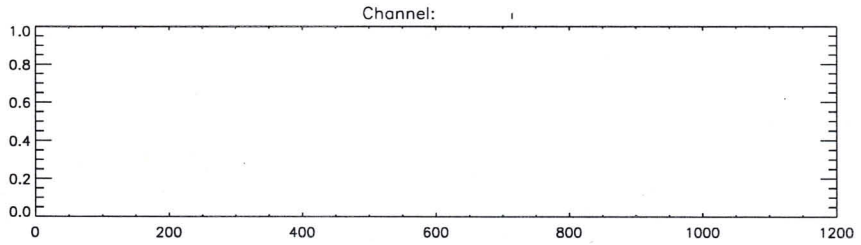
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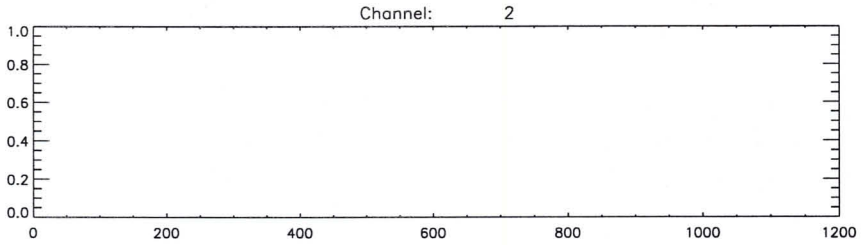
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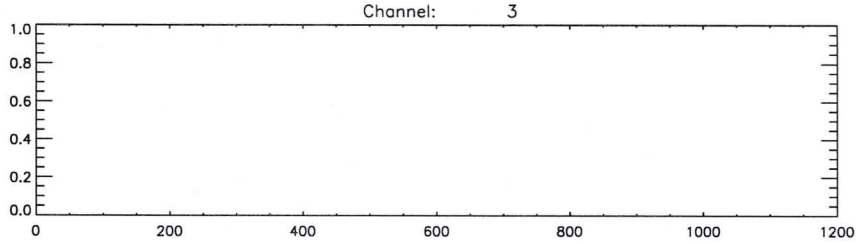
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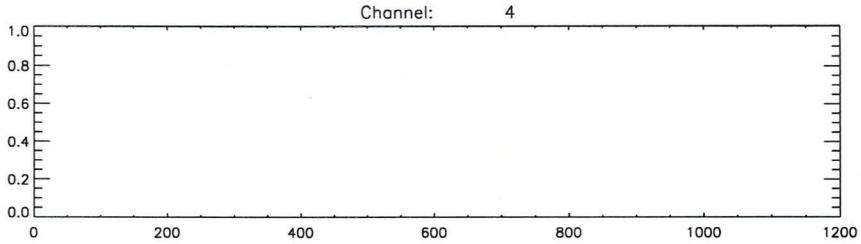
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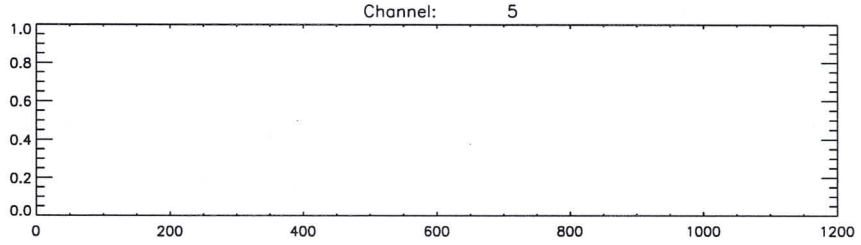
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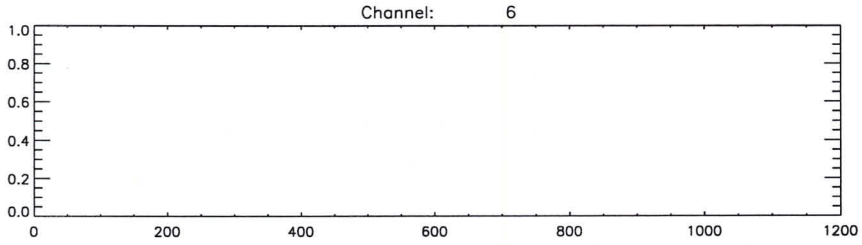
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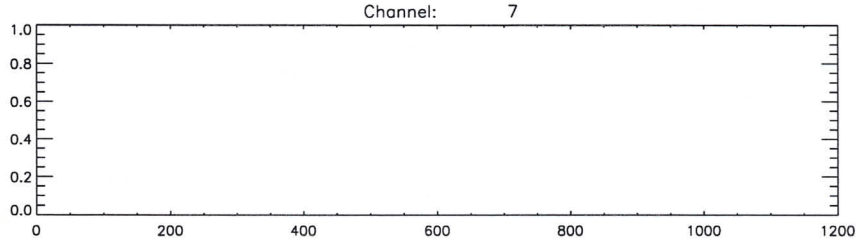
Channel: 7
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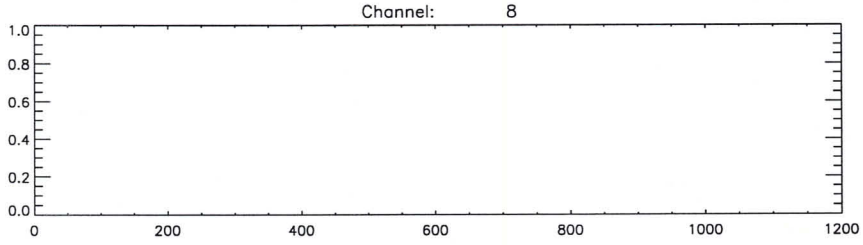
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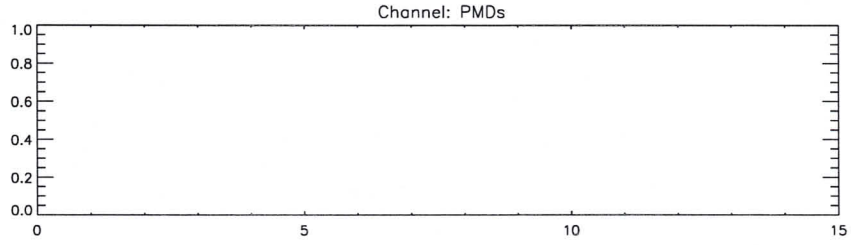
Channel: PMDs
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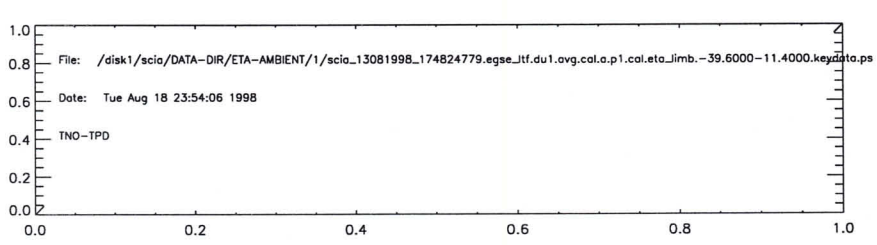
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000-11.4000.keydata.ps
Date: Tue Aug 18 23:54:06 1998
TNO-TPD
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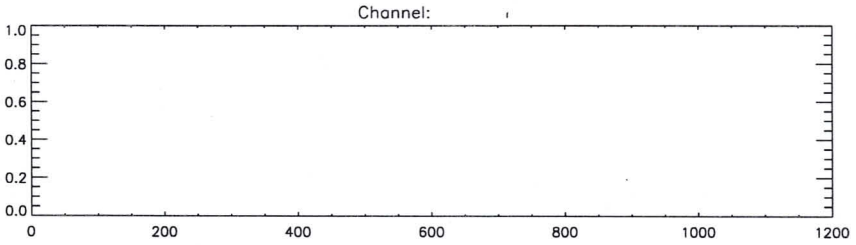
0.8
1.0


Channel:
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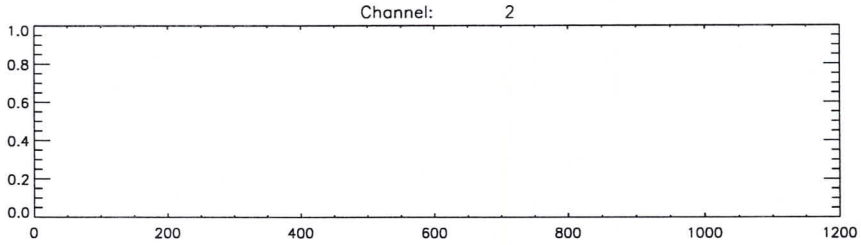
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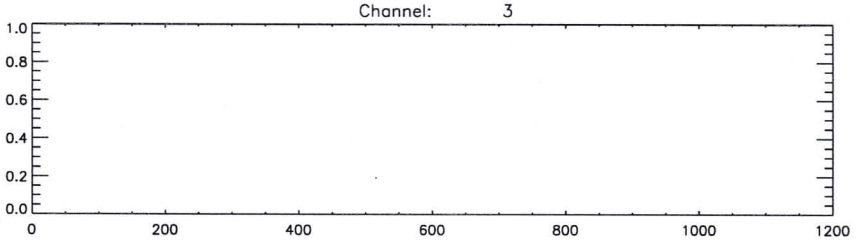
Channel: 3
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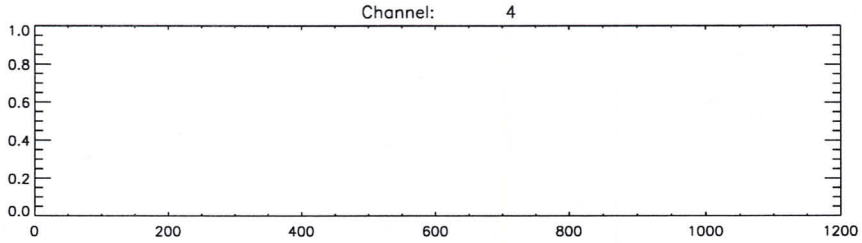
Channel: 4
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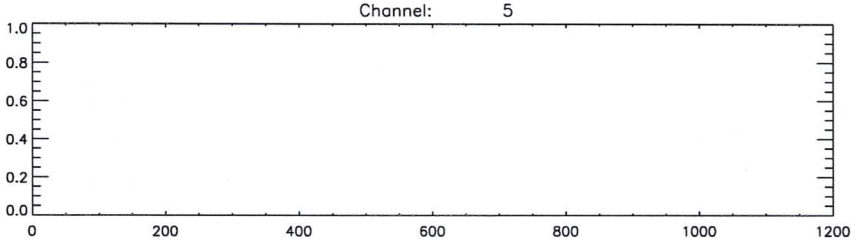
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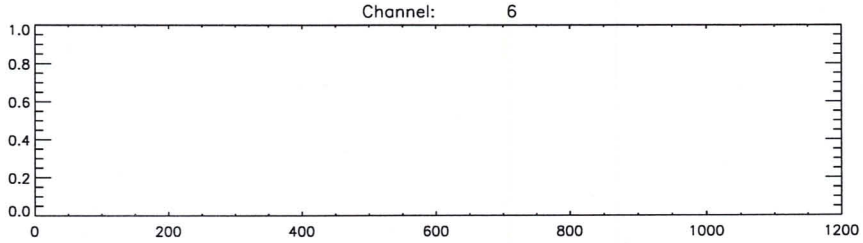
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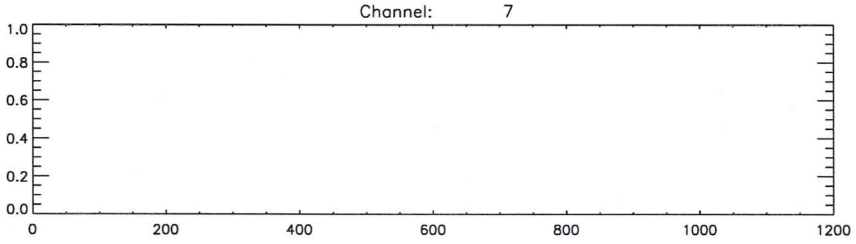
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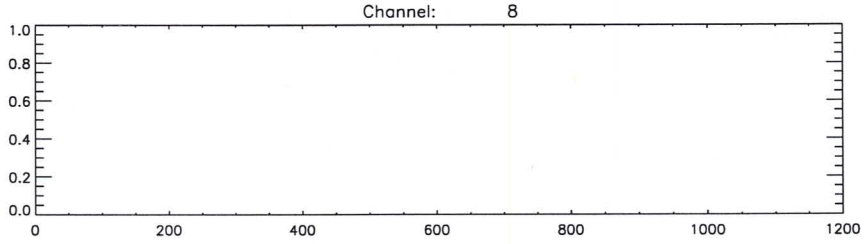
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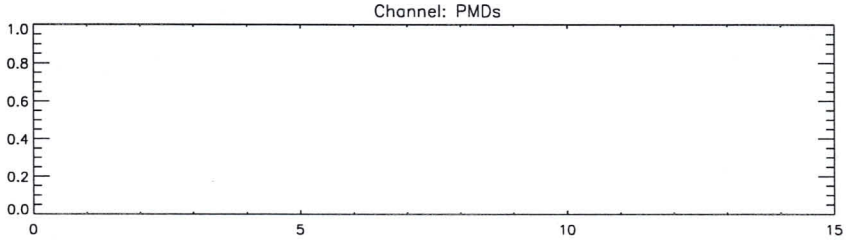
Channel: PMDs
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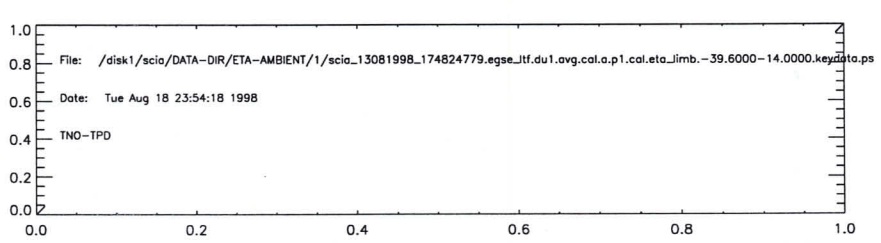
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:18 1998
TNO-TPD
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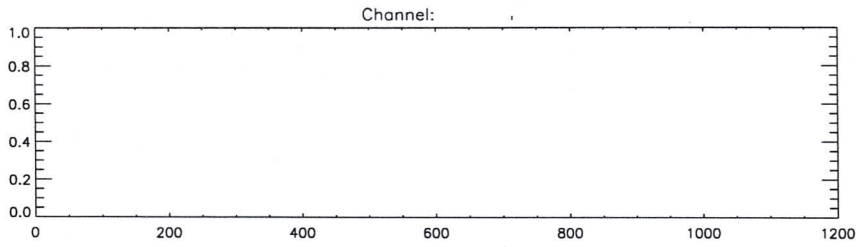
1.0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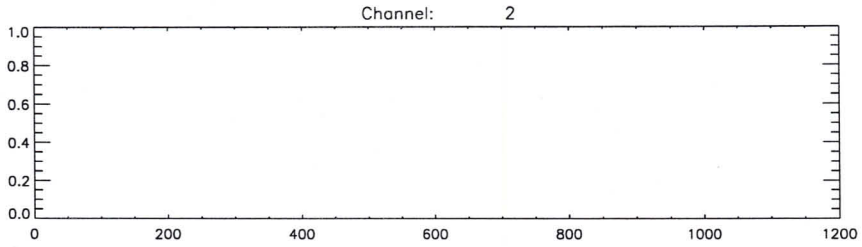
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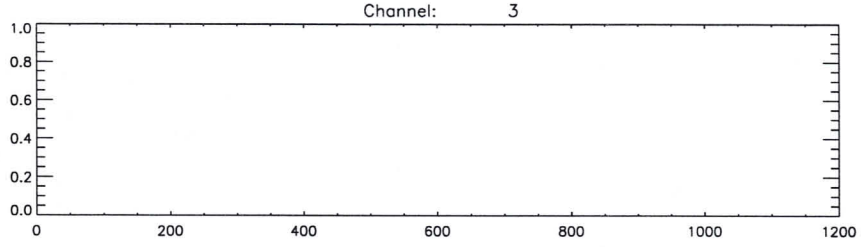
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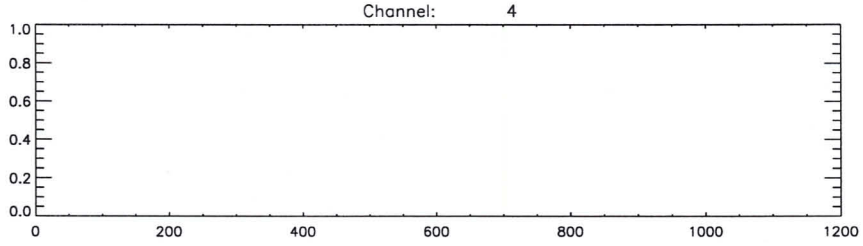
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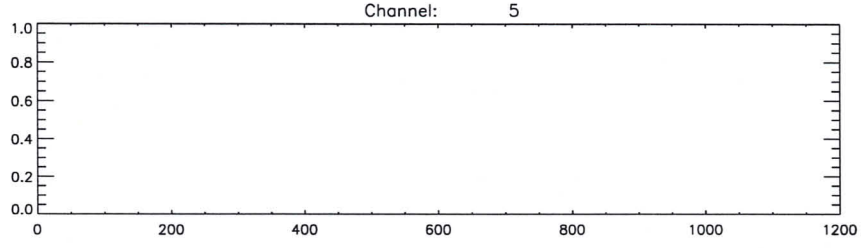
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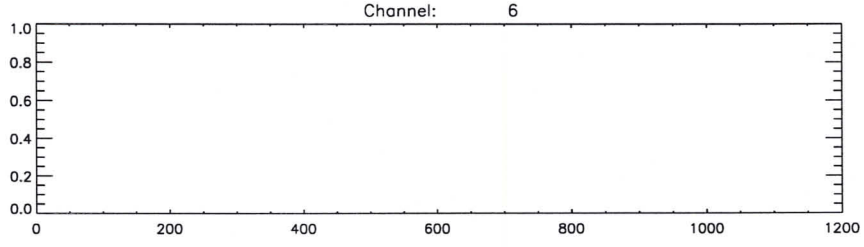
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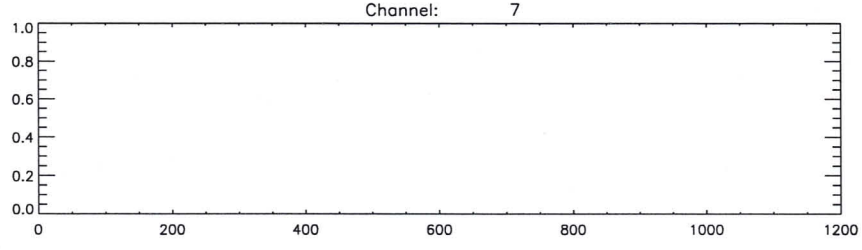
Channel: 7
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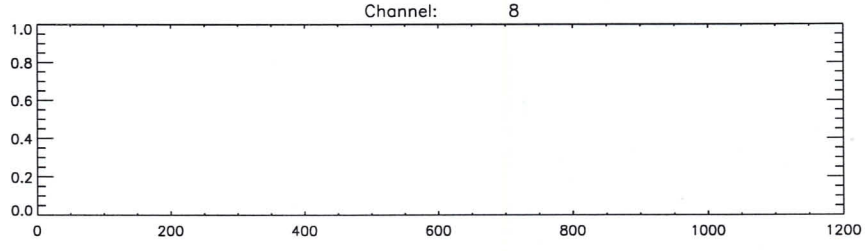
Channel: 8
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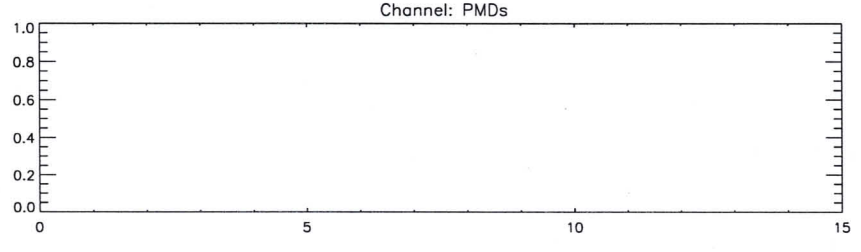
Channel: PMDs
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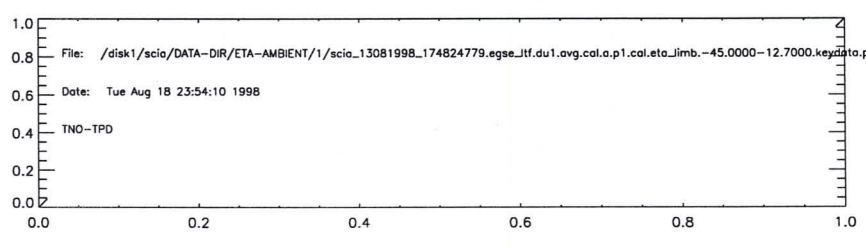
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Date: Tue Aug 18 23:54:10 1998
TNO-TPD
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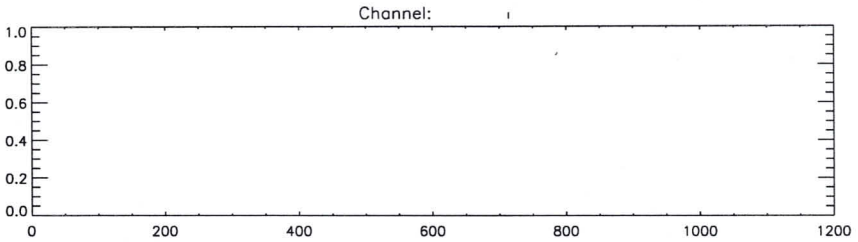
0.8
1.0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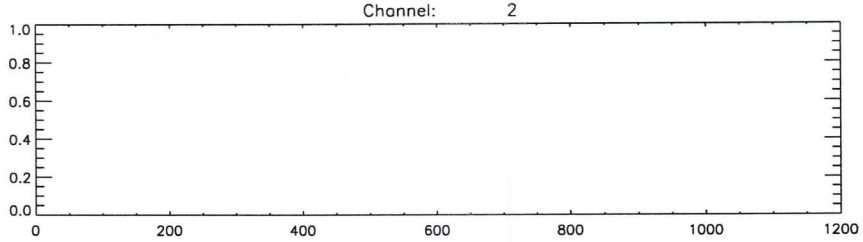
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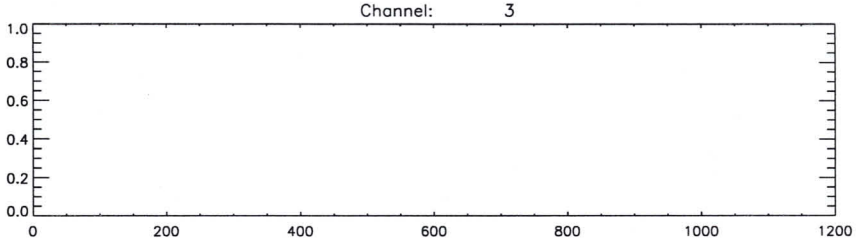
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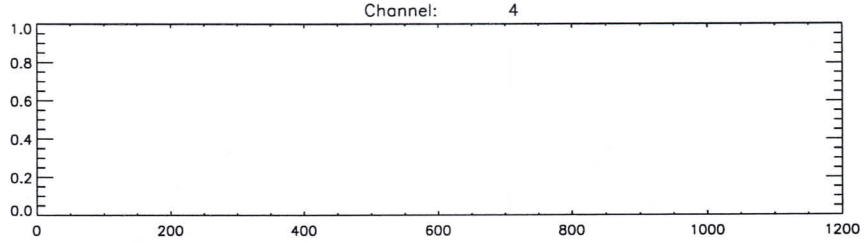
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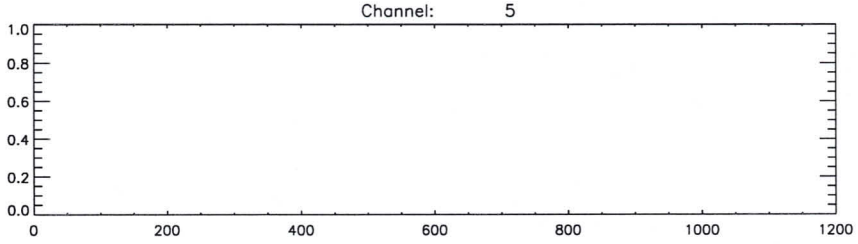
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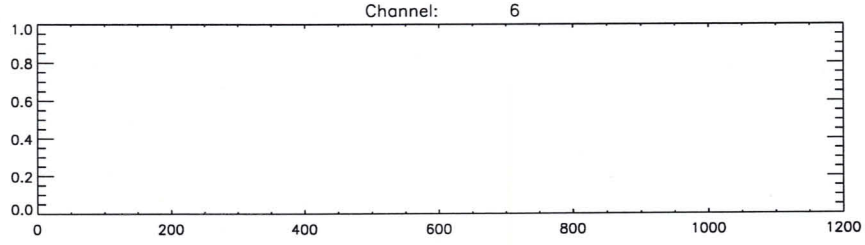
Channel: 6
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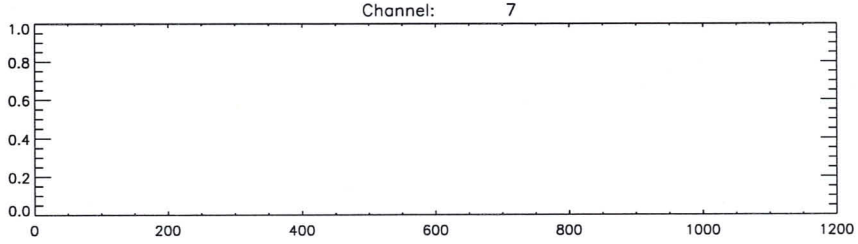
Channel: 7
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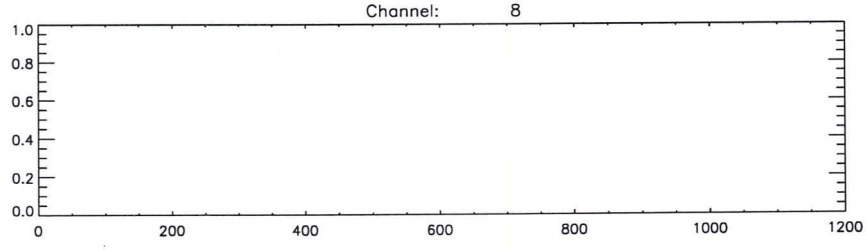
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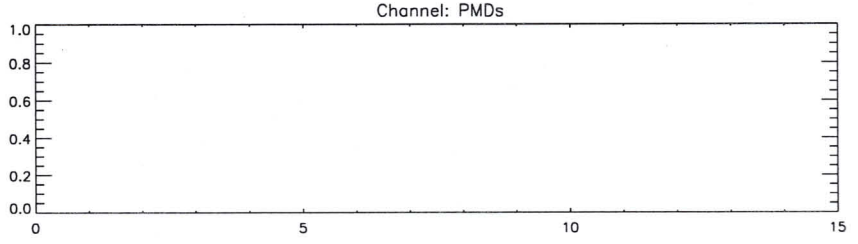
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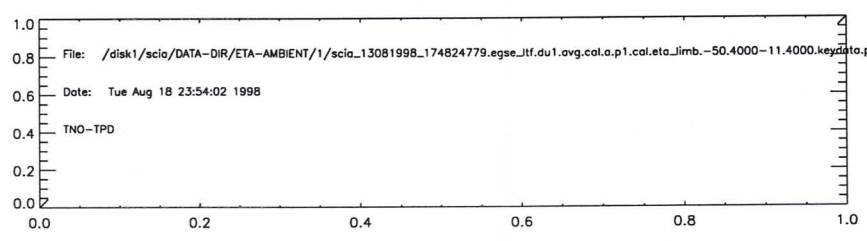
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000-11.4000.keydata.ps
Date: Tue Aug 18 23:54:02 1998
TNO-TPD
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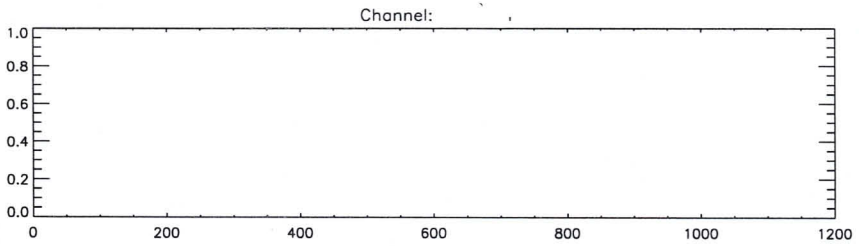
0.8
1.0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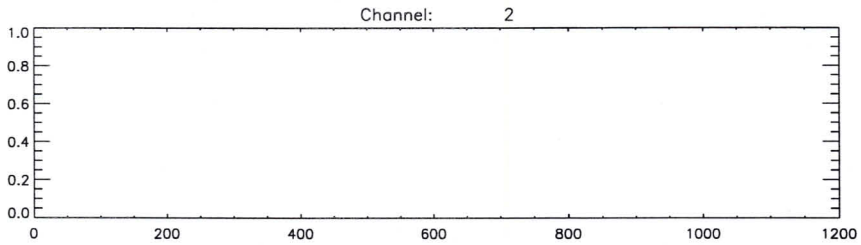
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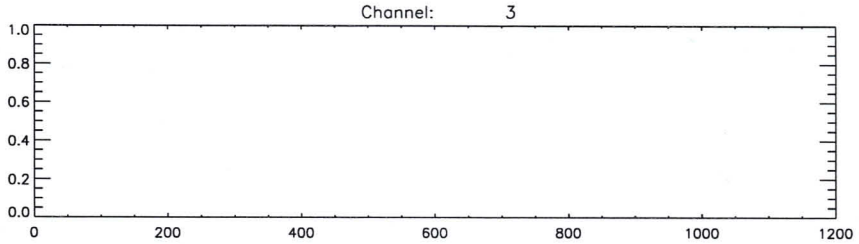
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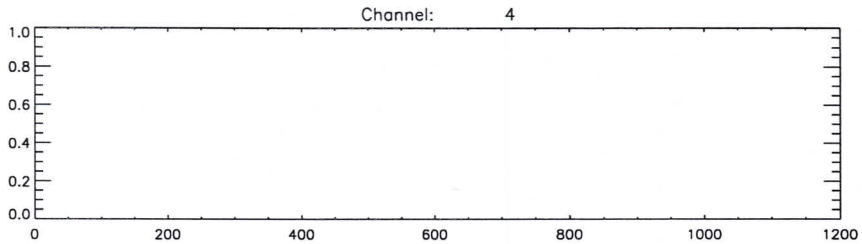
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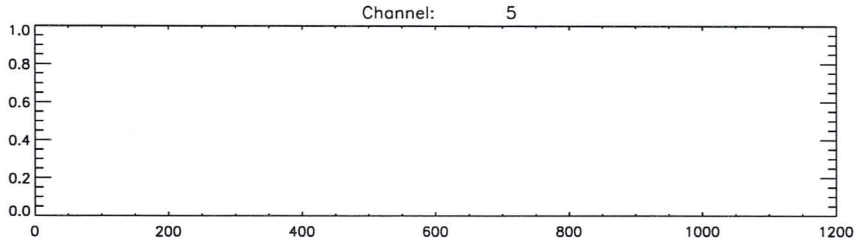
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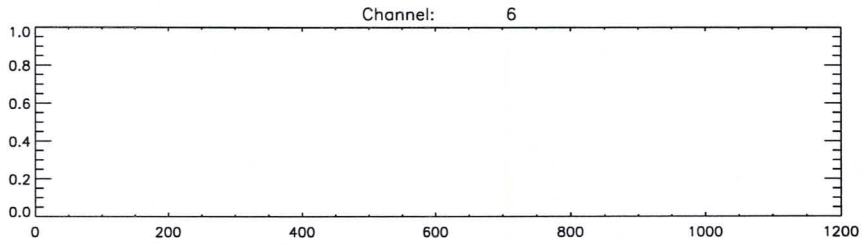
Channel: 6
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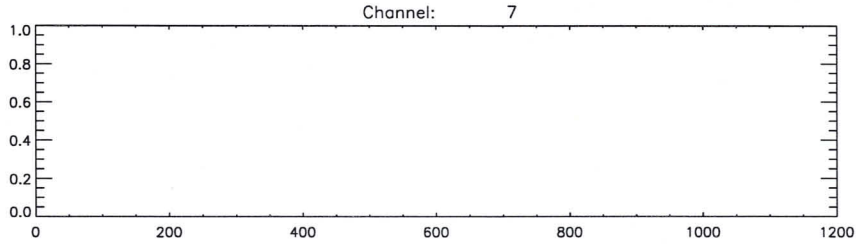
Channel: 7
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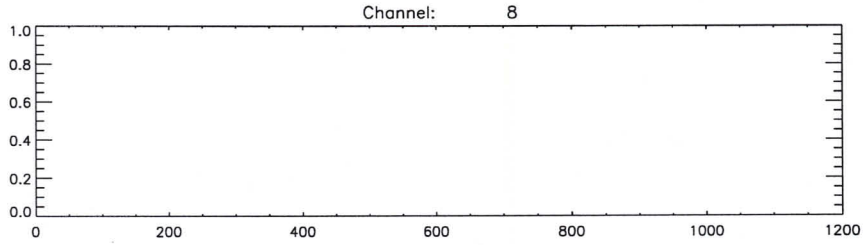
Channel: 8
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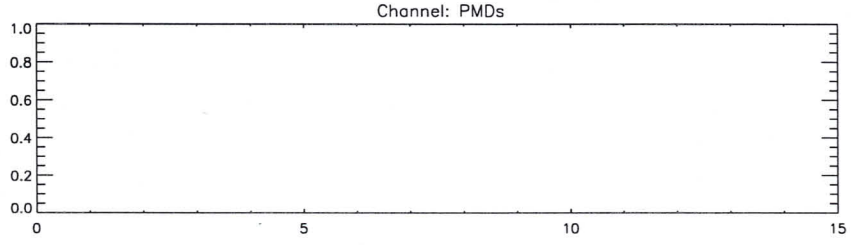
Channel: PMDs
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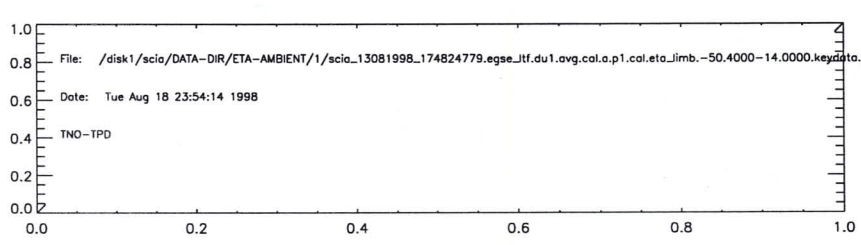
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:14 1998
TNO-TPD
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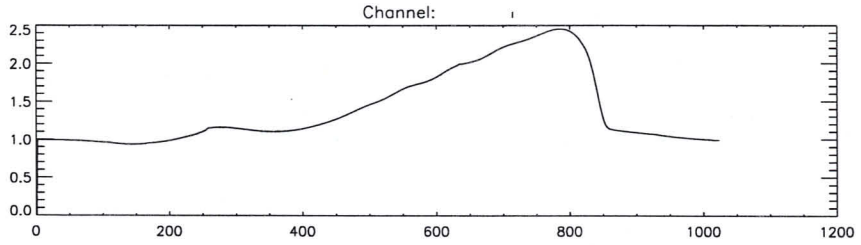
0.8
1.0


Channel:
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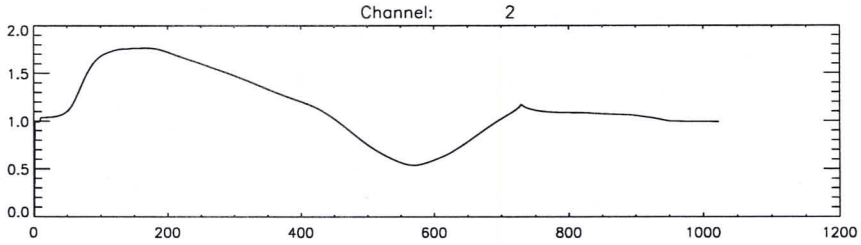
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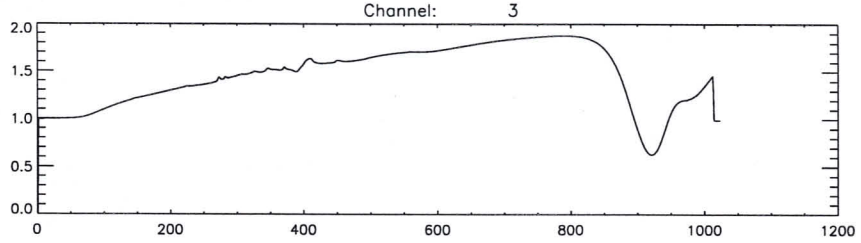
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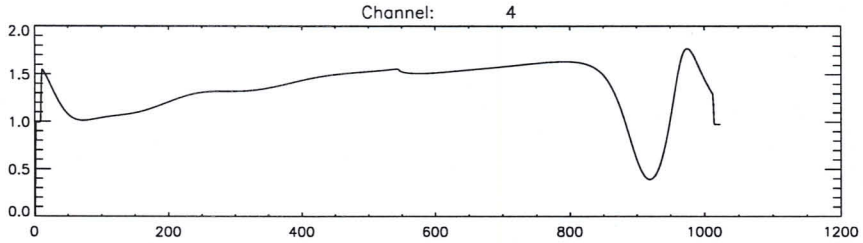
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800
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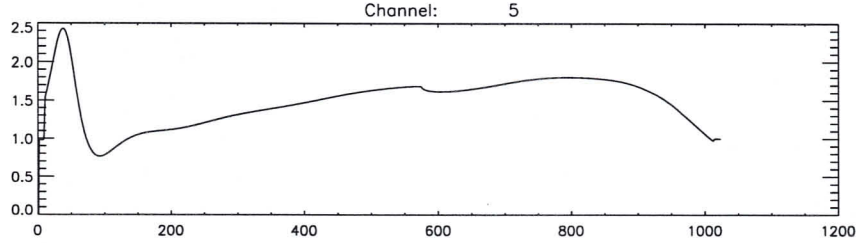
1200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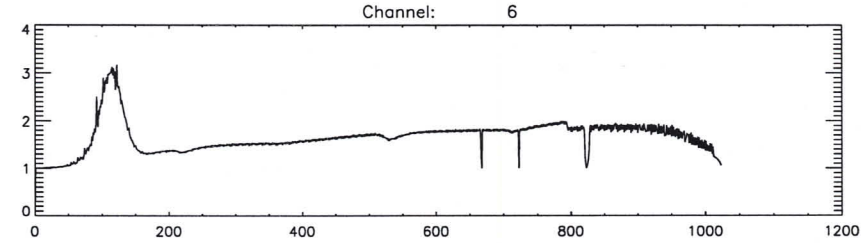
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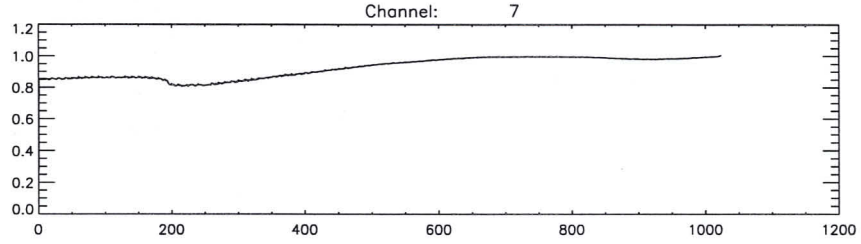
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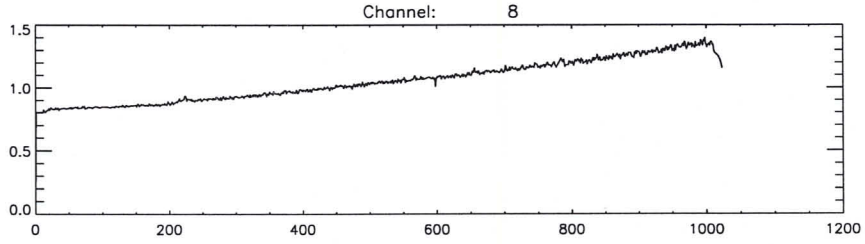
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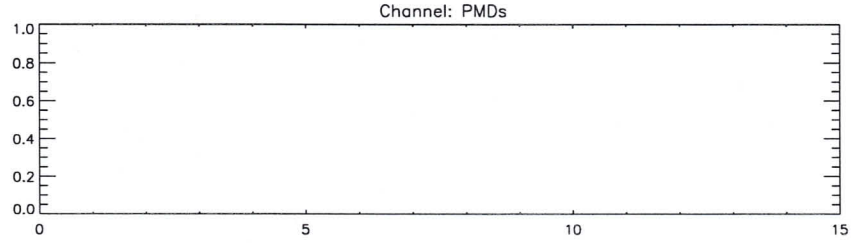
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0
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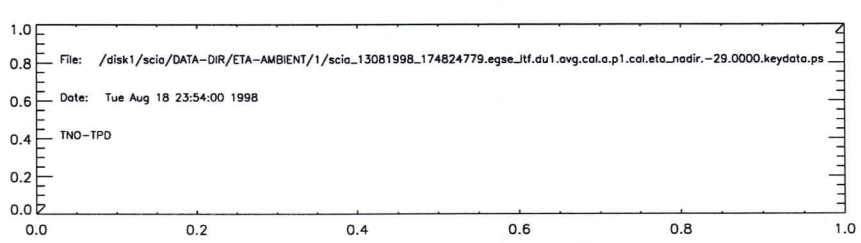
15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Date: Tue Aug 18 23:54:00 1998
TNO-TPD
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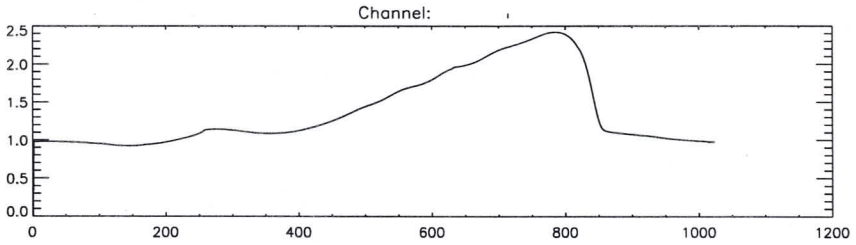
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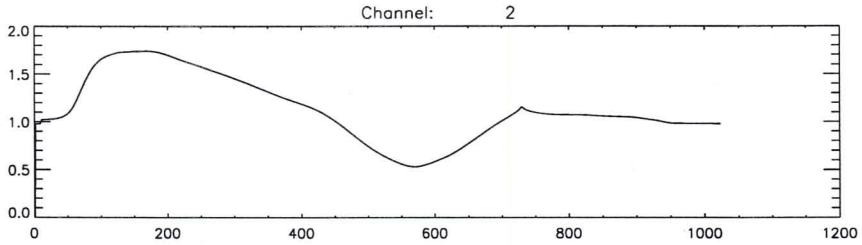
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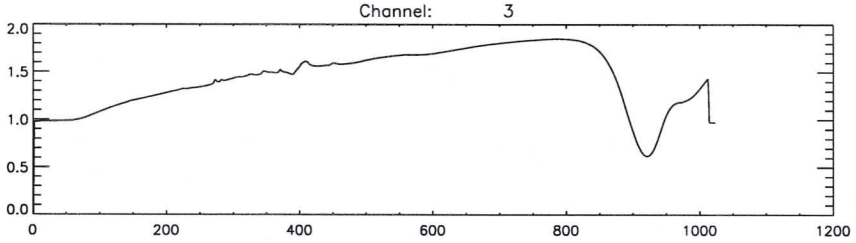
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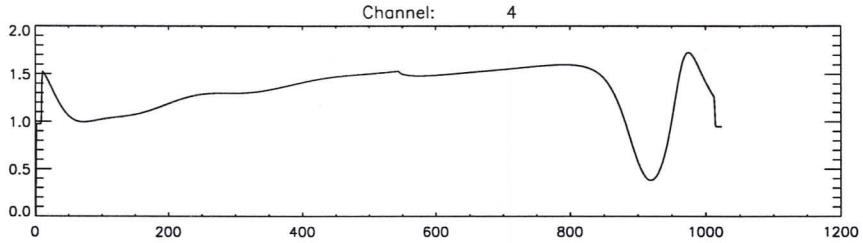
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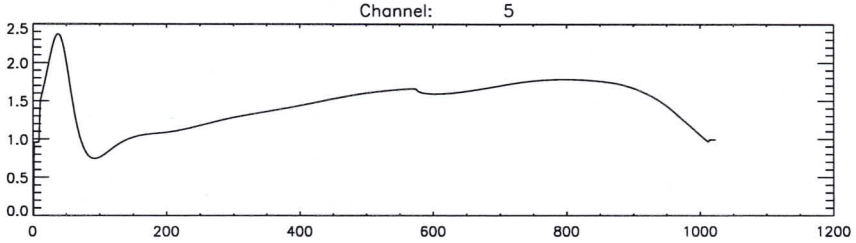
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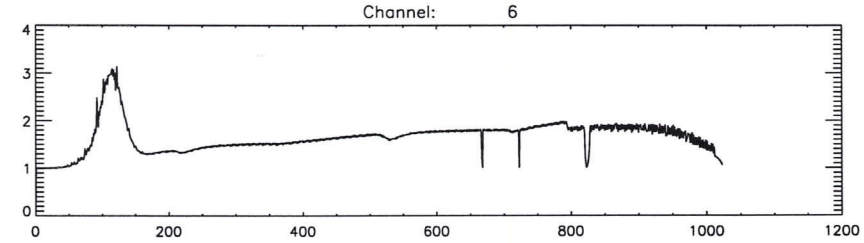
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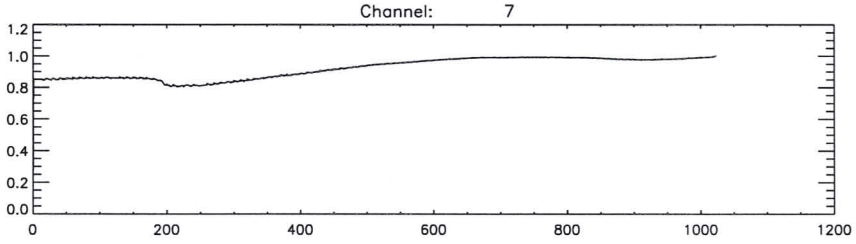
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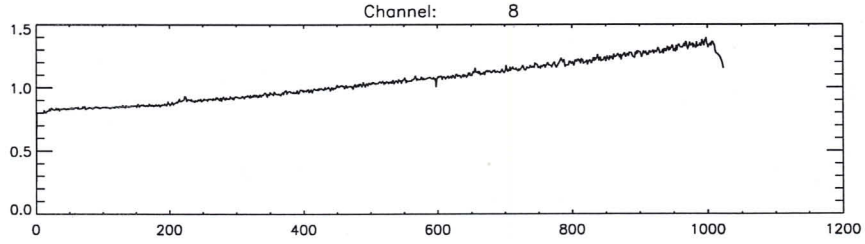
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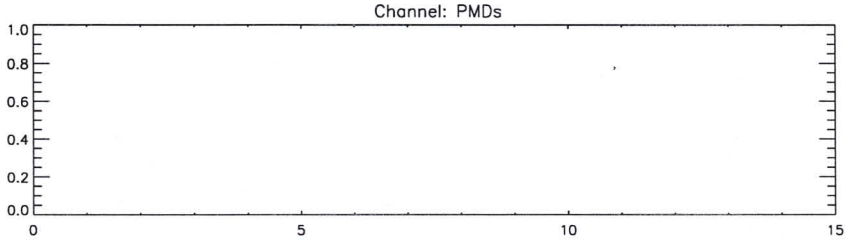
Channel: PMDs
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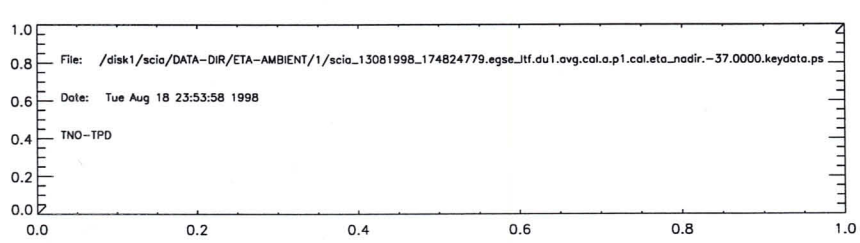
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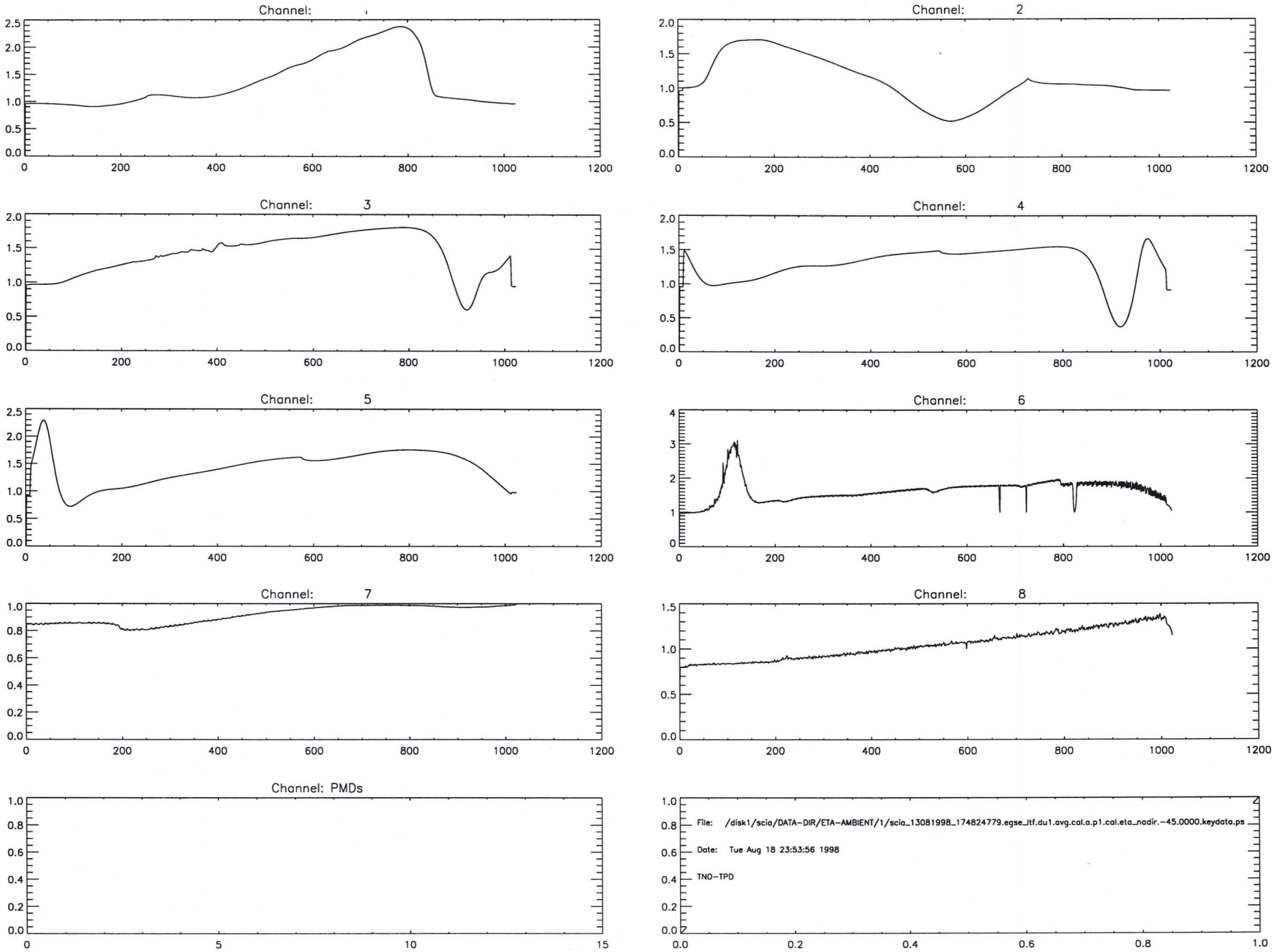
Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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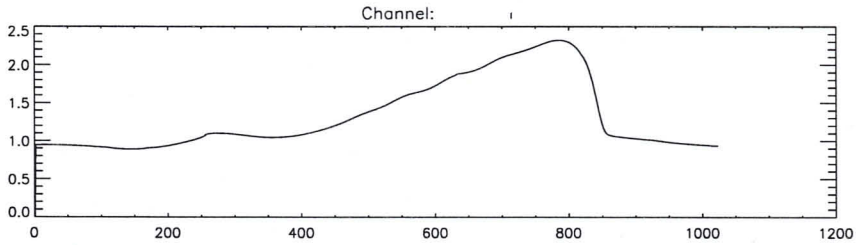
Date: Tue Aug 18 23:53:56 1998
TNO-TPD


Channel:
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1.5
1.0
0.5
0.0
0
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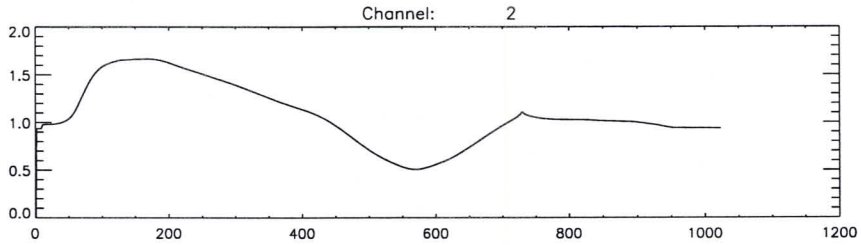
400
600
800
1000
1200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1.0
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0.0
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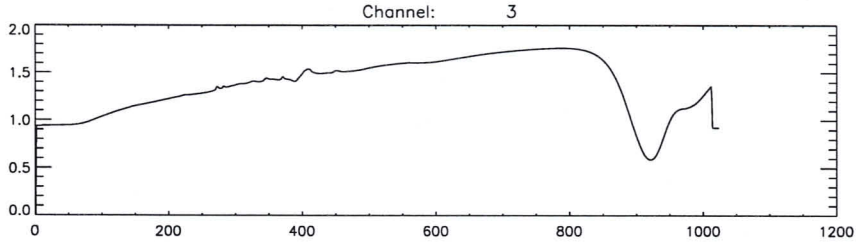
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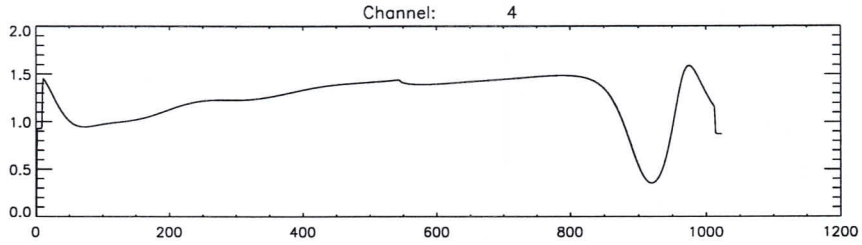
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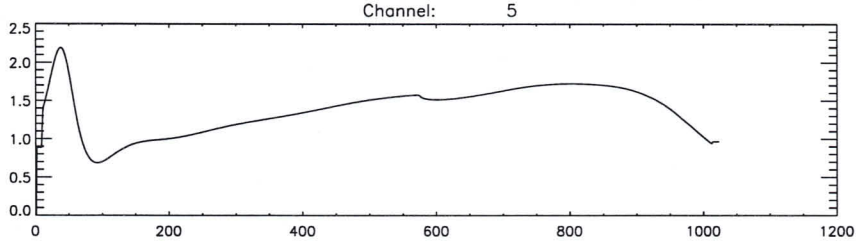
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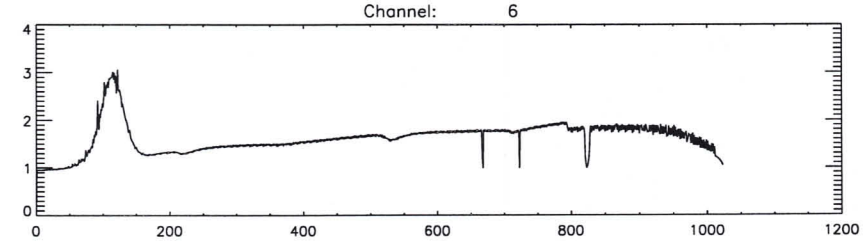
Channel: 6
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1000
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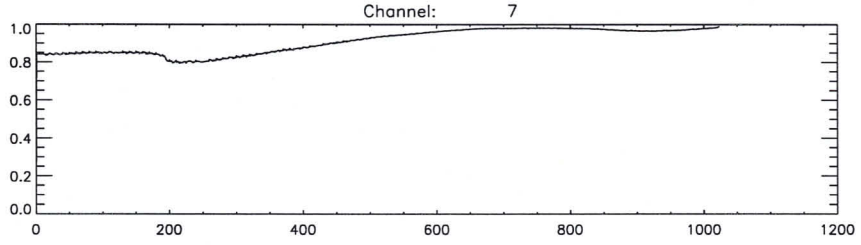
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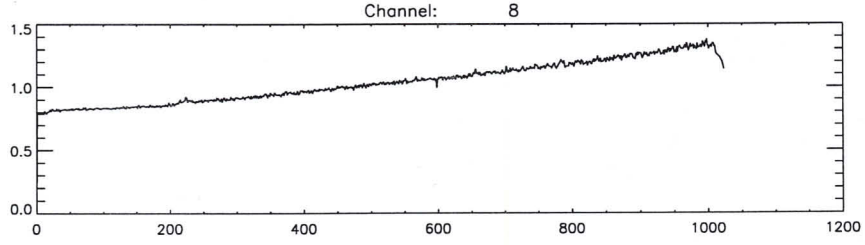
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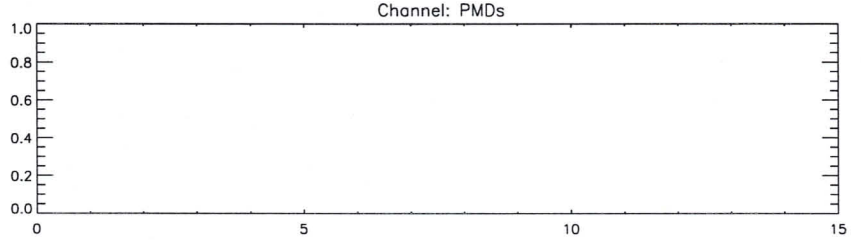
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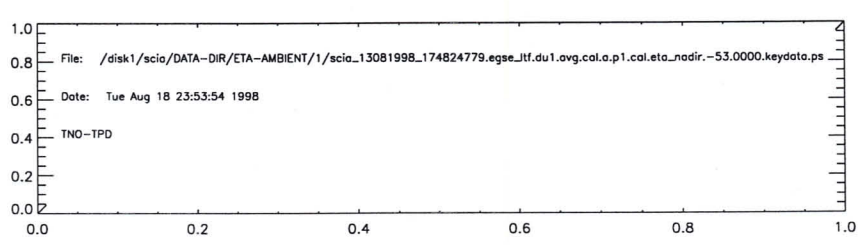
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Date: Tue Aug 18 23:53:54 1998
TNO-TPD
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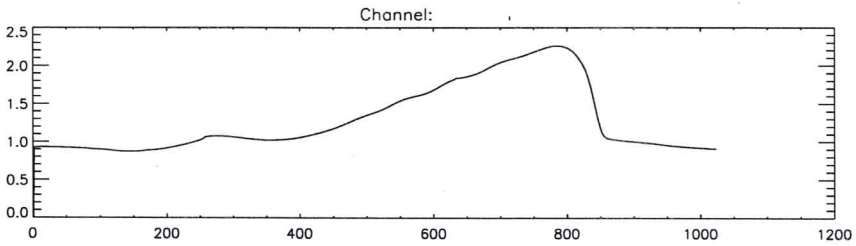
0.8
1.0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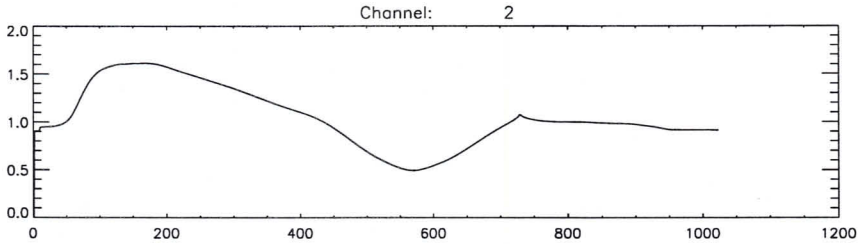
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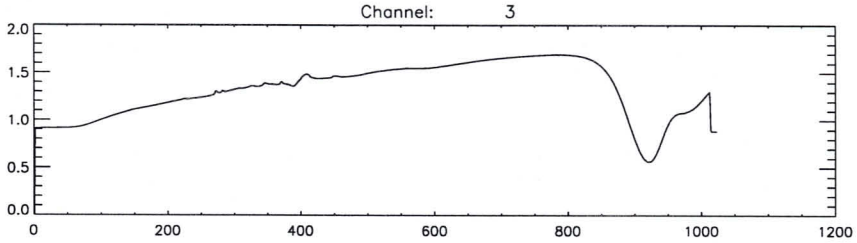
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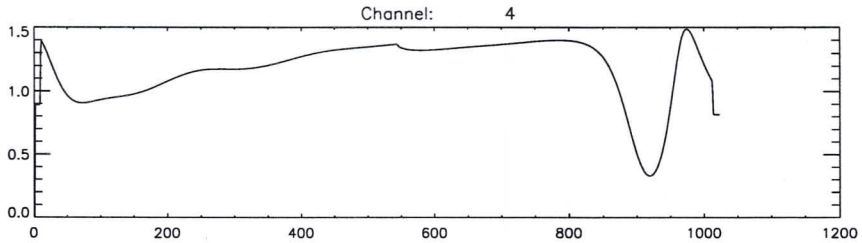
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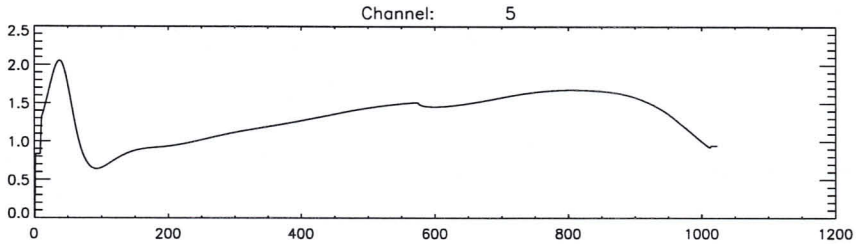
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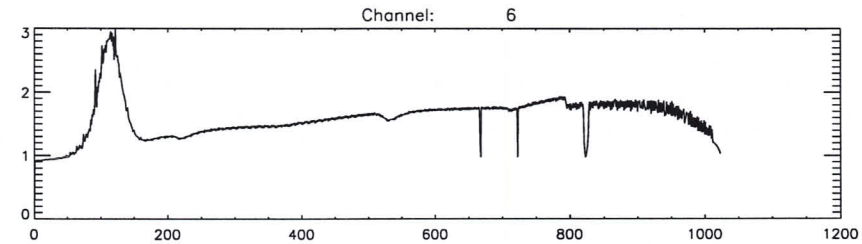
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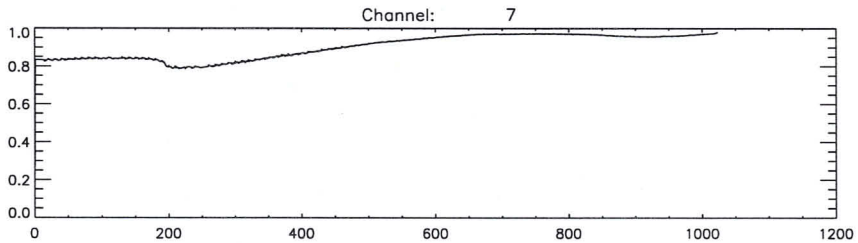
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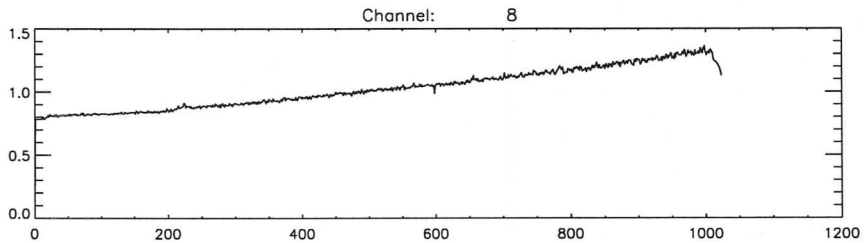
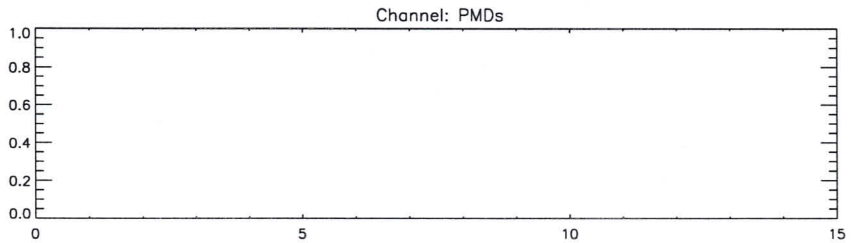

Channel: 8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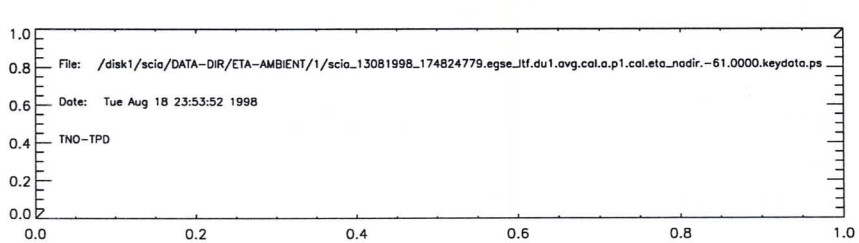
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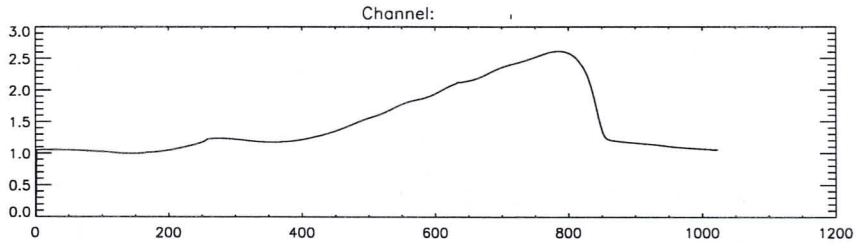
TNO-TPD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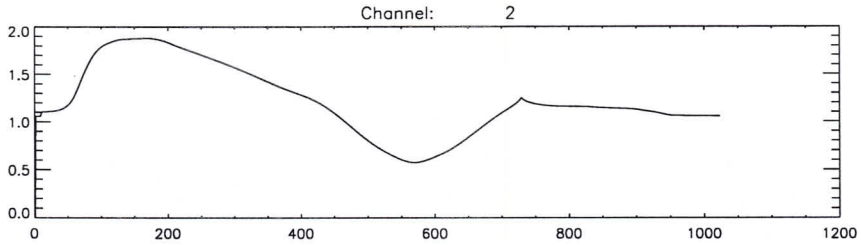
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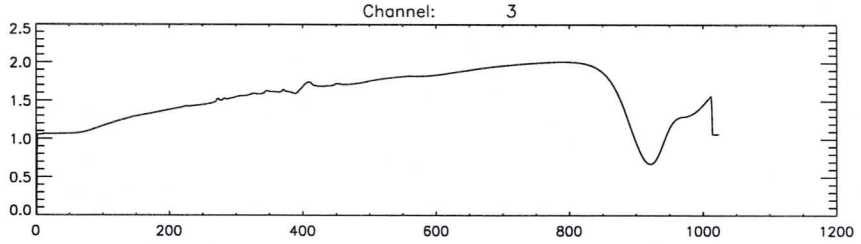
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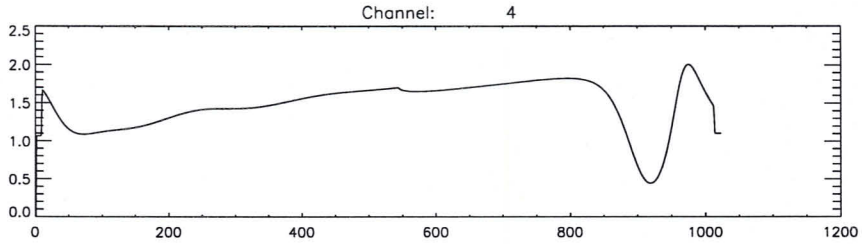
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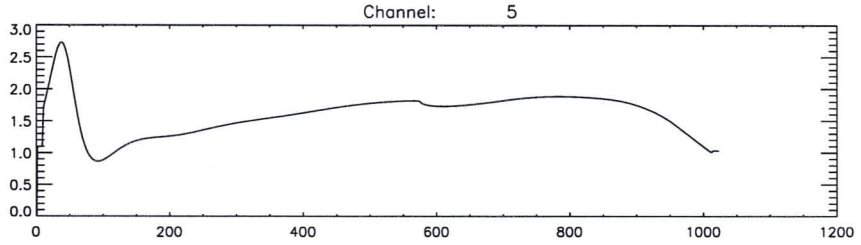
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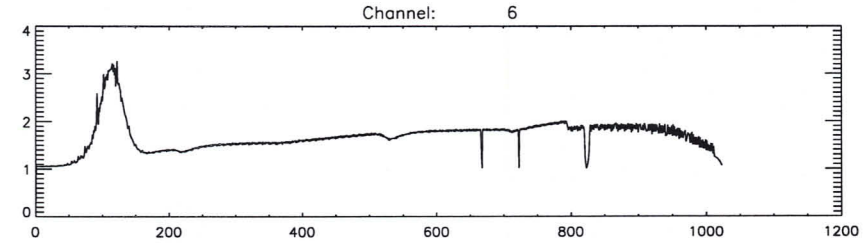
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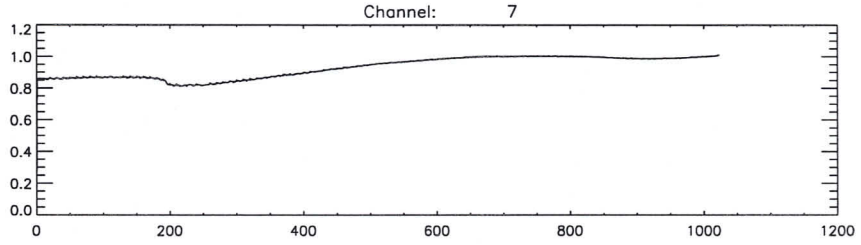
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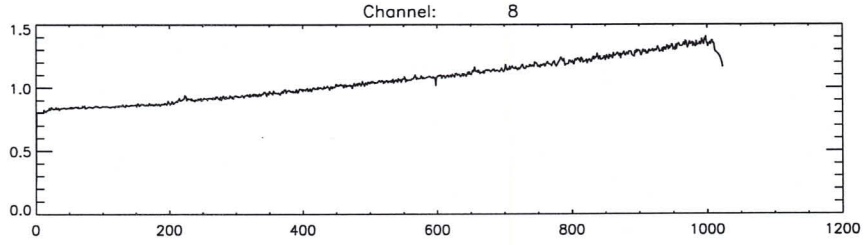
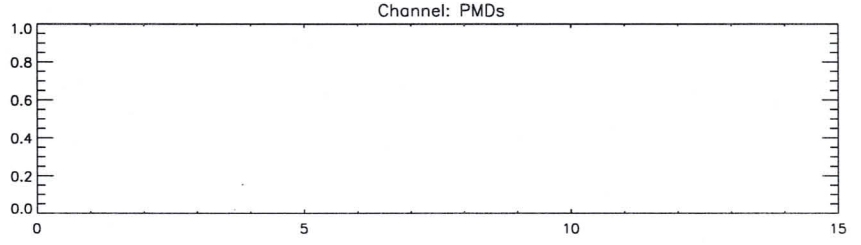
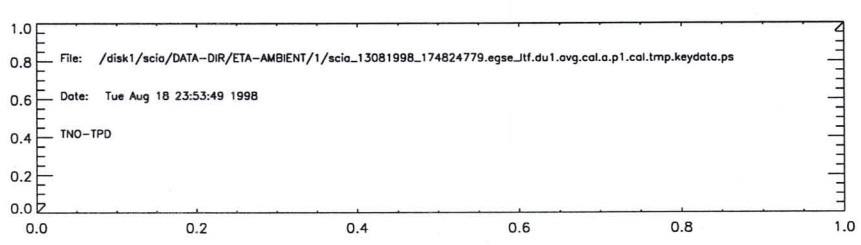
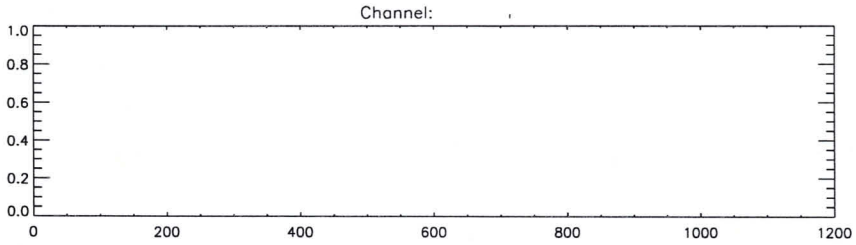

Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.tmp.keydata.ps
Date: Tue Aug 18 23:53:49 1998
TNO-TPD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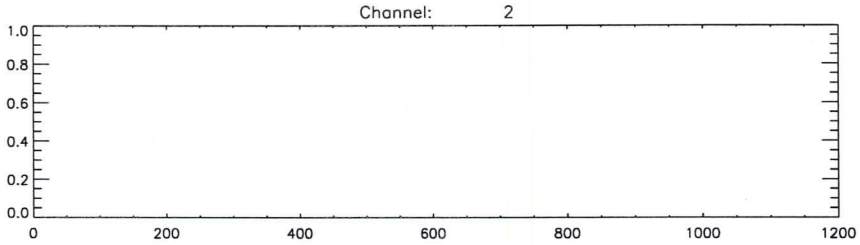
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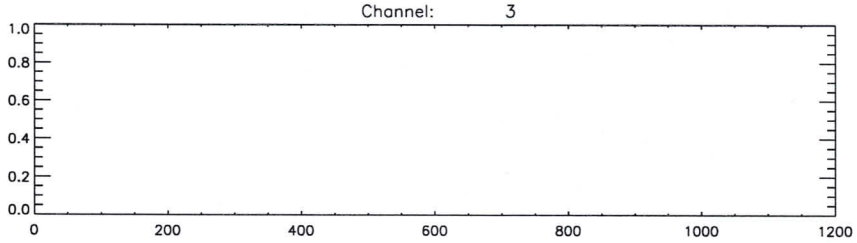
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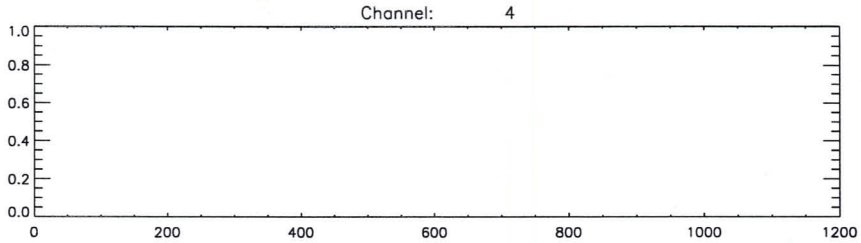
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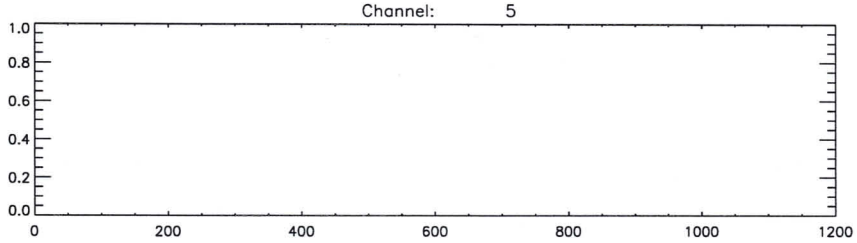
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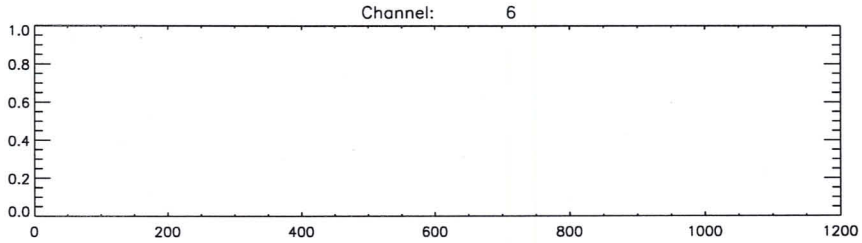
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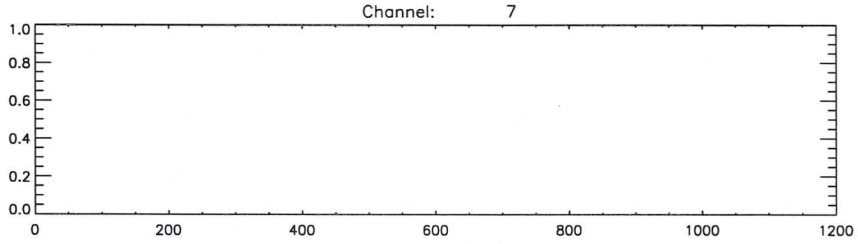
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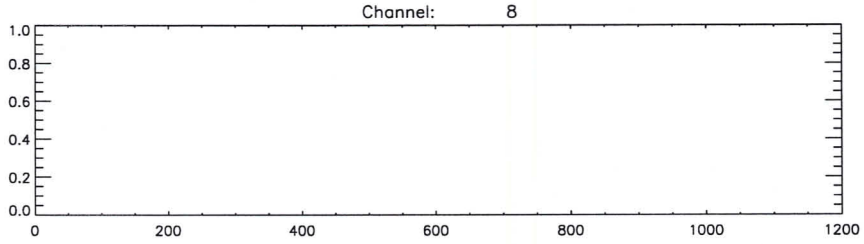
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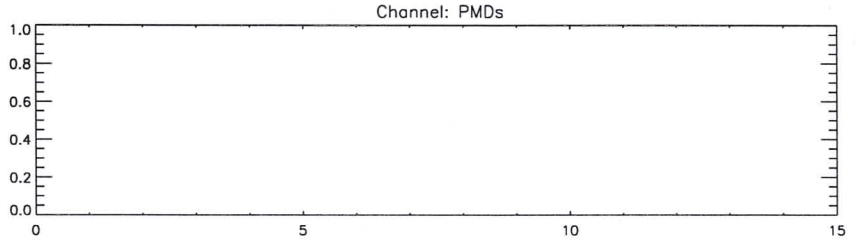
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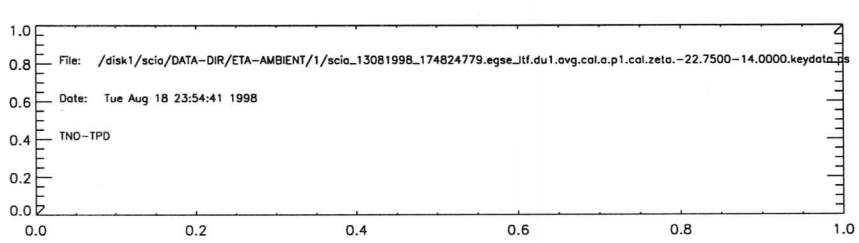
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.zeta.-22.7500-14.0000.keydata.ps
Date: Tue Aug 18 23:54:41 1998
TNO-TPD
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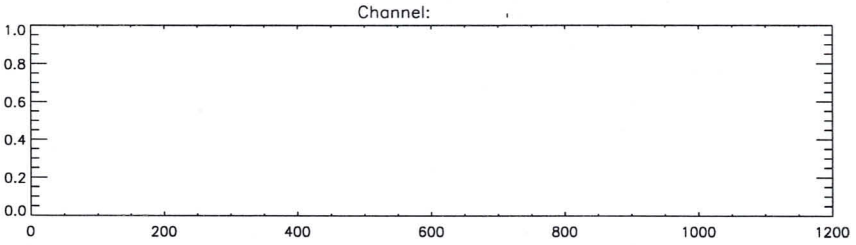
0.8
1.0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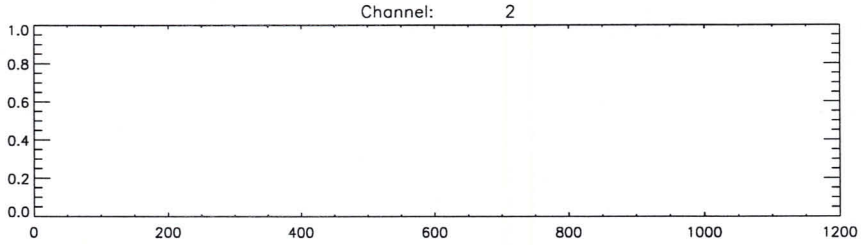
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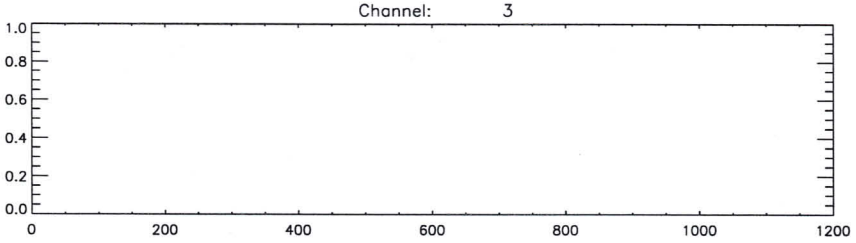
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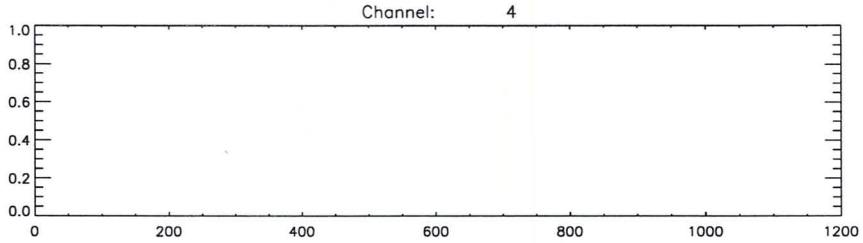
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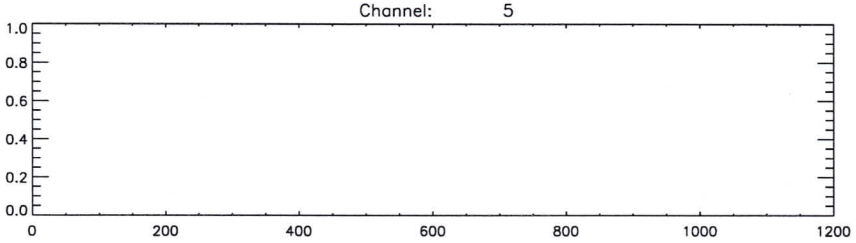
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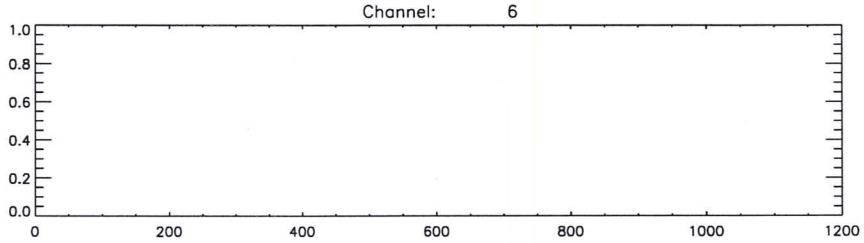
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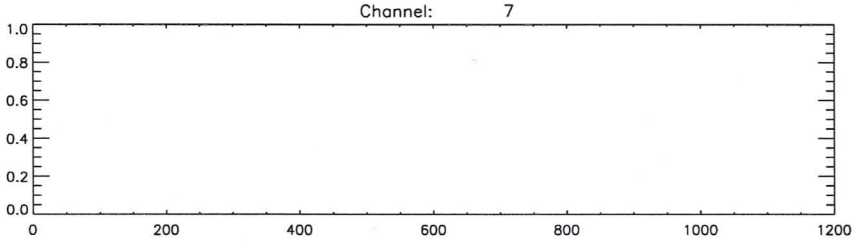
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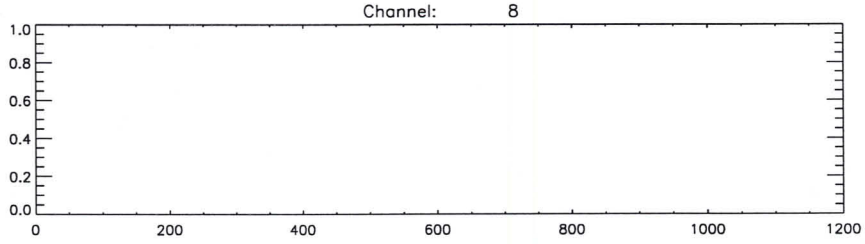
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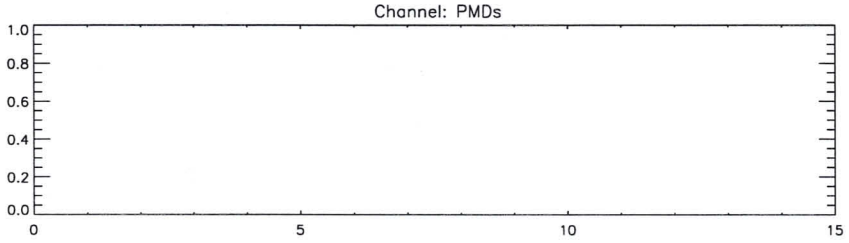
Channel: PMDs
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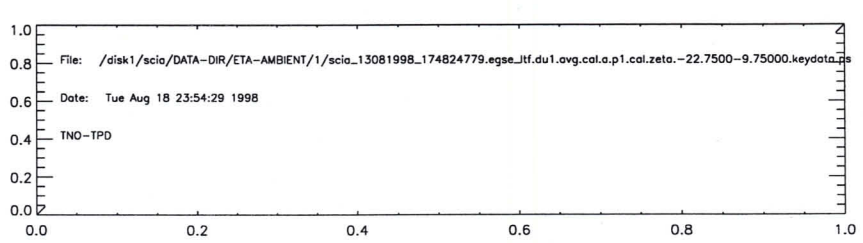
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-9.75000.keydata.ps
Date: Tue Aug 18 23:54:29 1998
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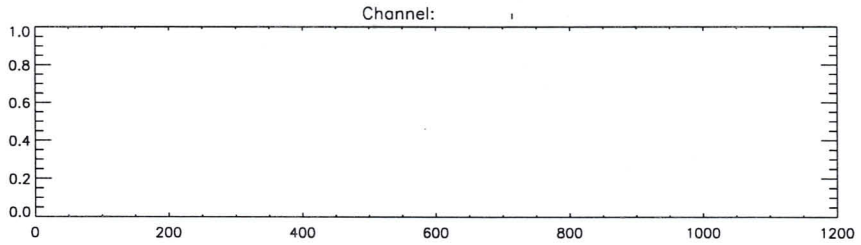
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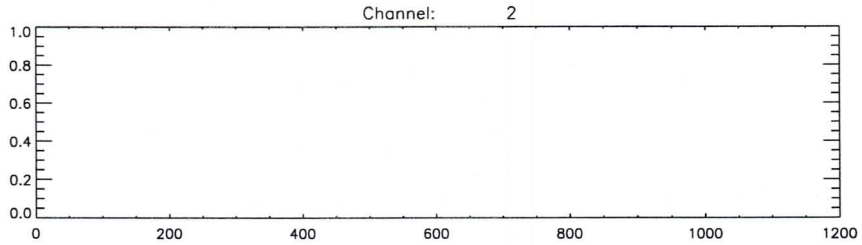
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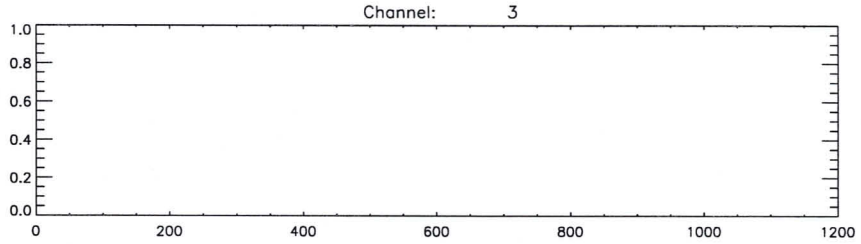
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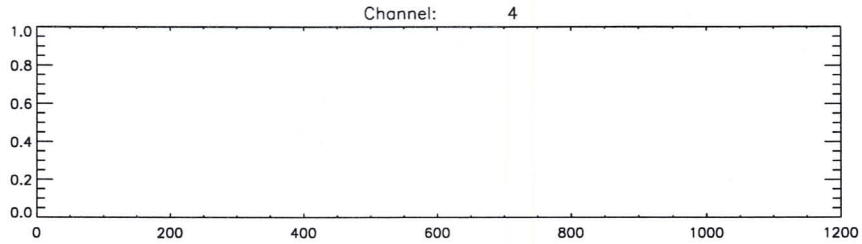
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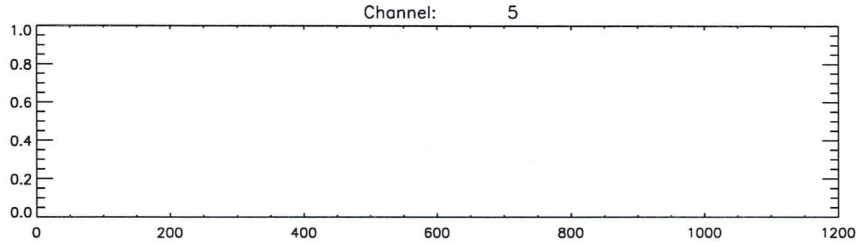
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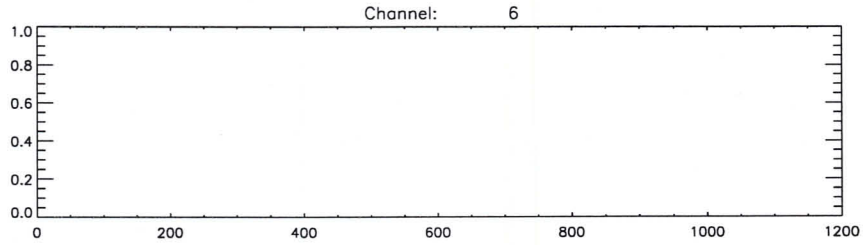
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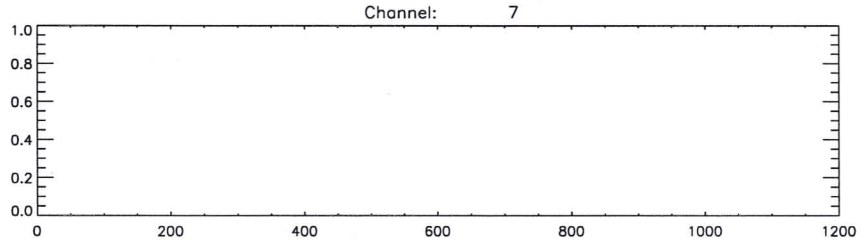
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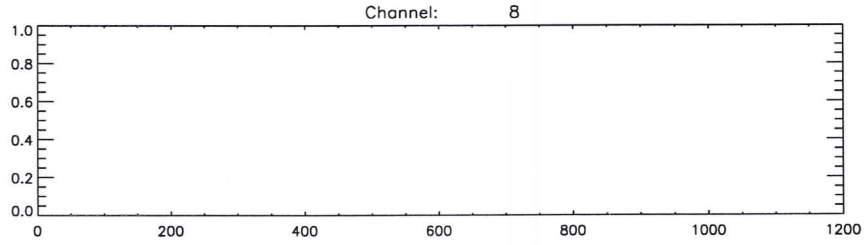
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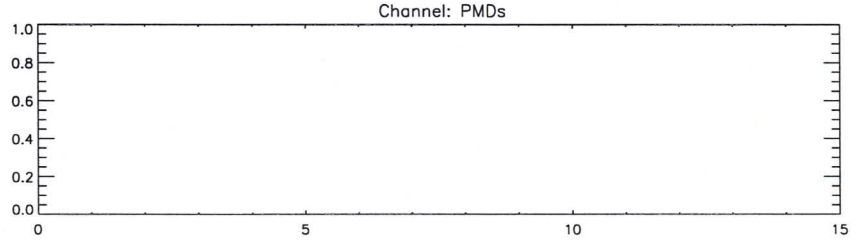
Channel: PMDs
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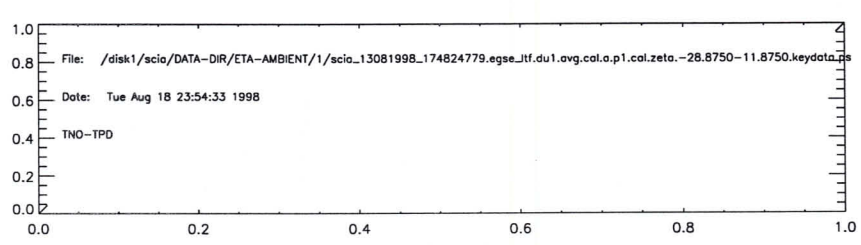
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_itf.du1.avg.cal.a.p1.cal.zeta.-28.8750-11.8750.keydata.ps
Date: Tue Aug 18 23:54:33 1998
TNO-TPD
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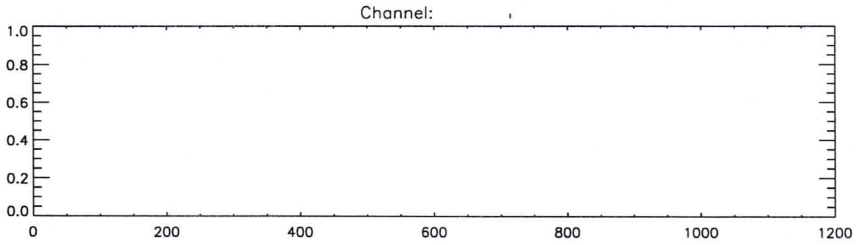
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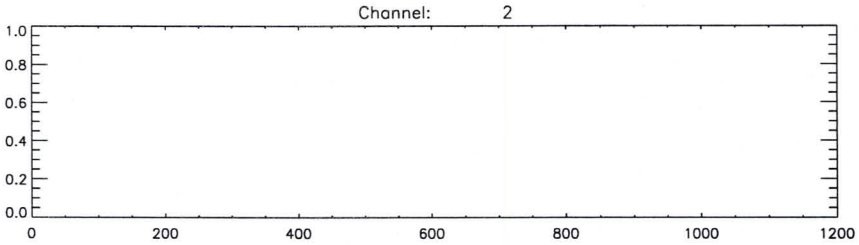
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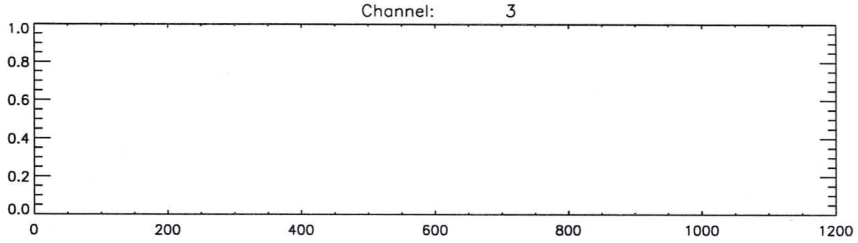
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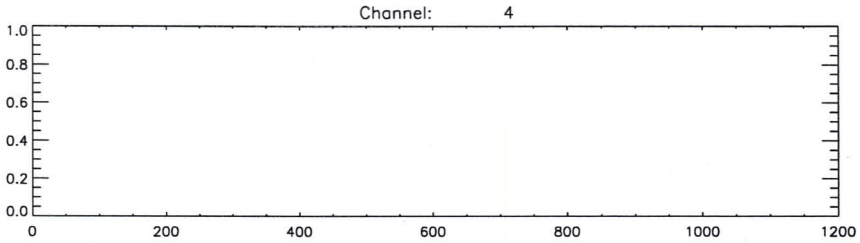
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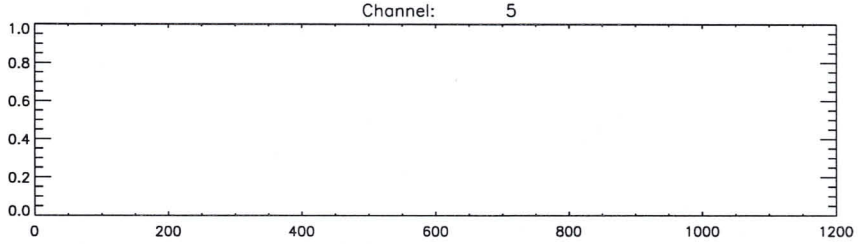
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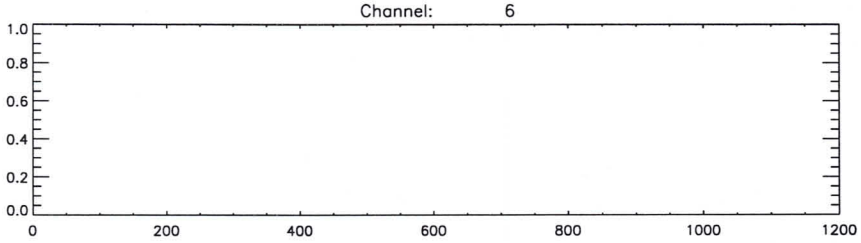
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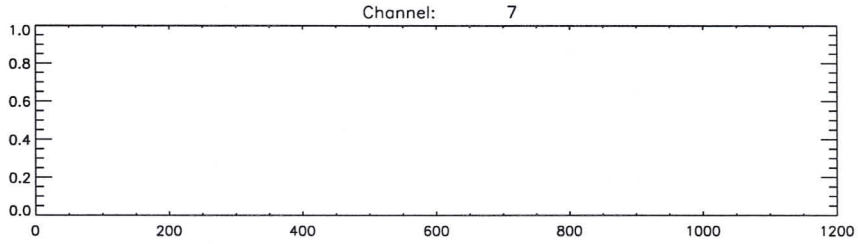
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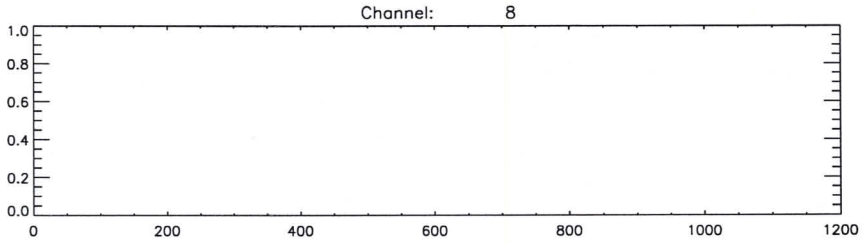
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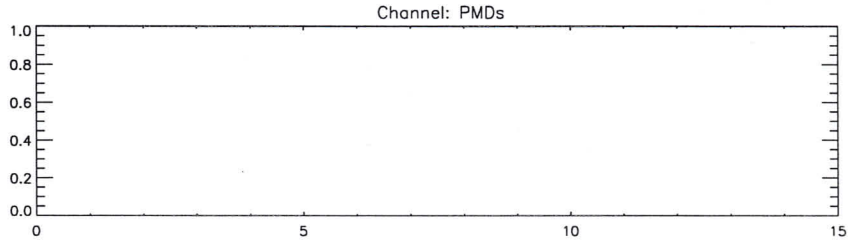
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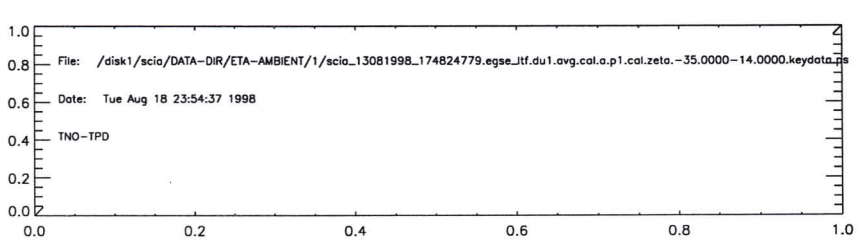
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:37 1998
TNO-TPD
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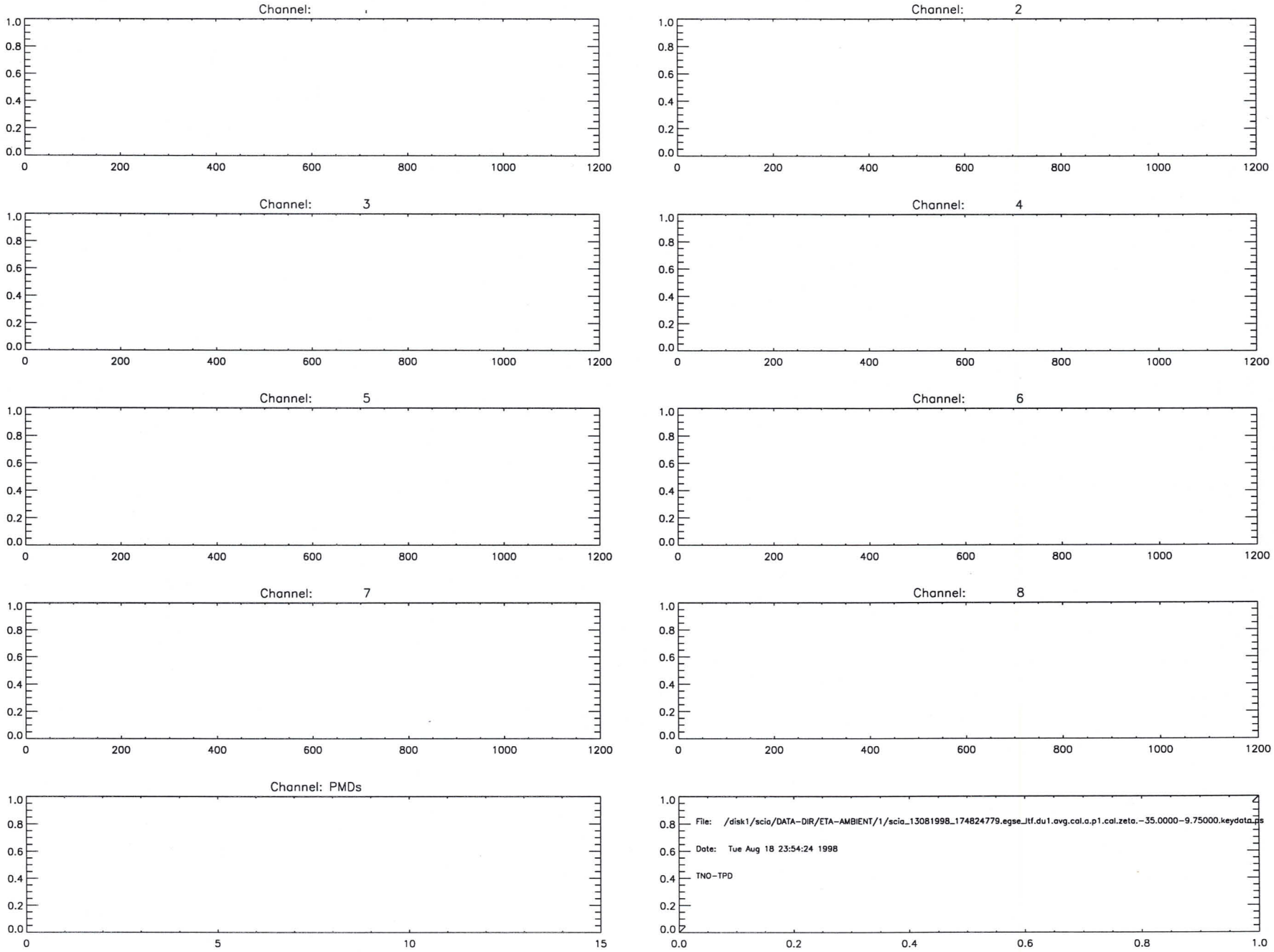
0.8
1.0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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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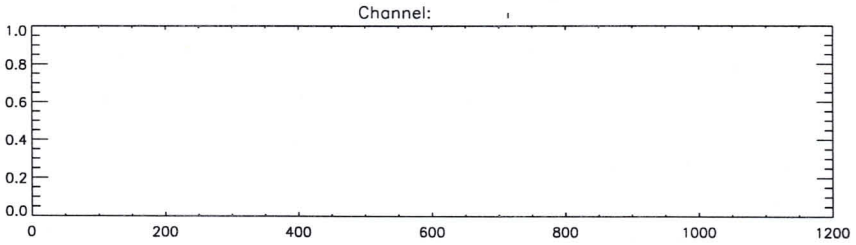
Date: Tue Aug 18 23:54:24 1998
TNO-TPD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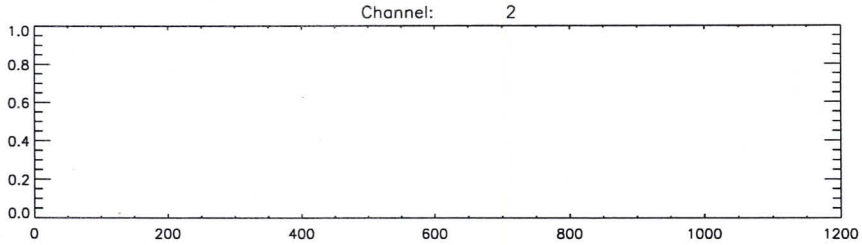
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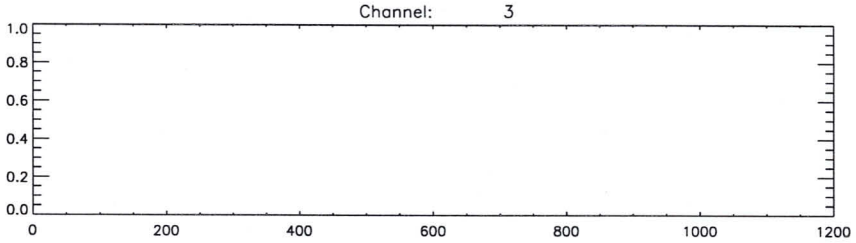
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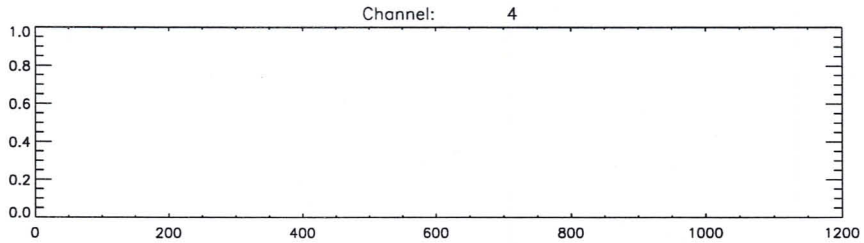
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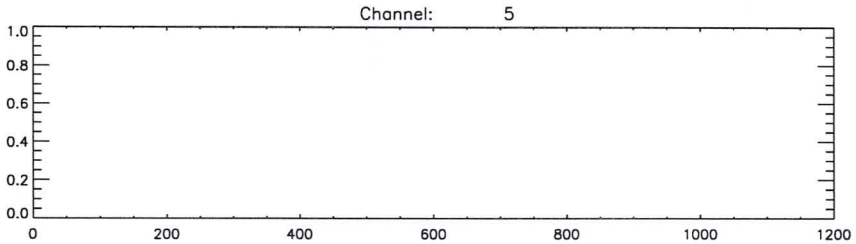
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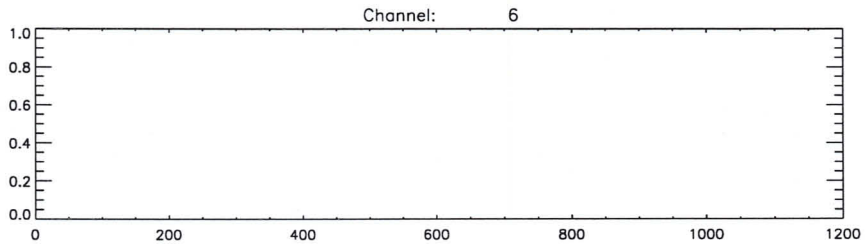
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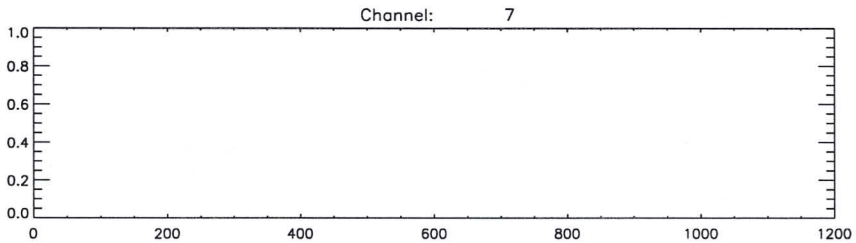
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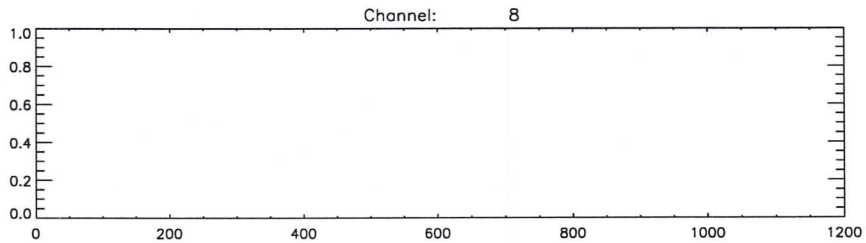
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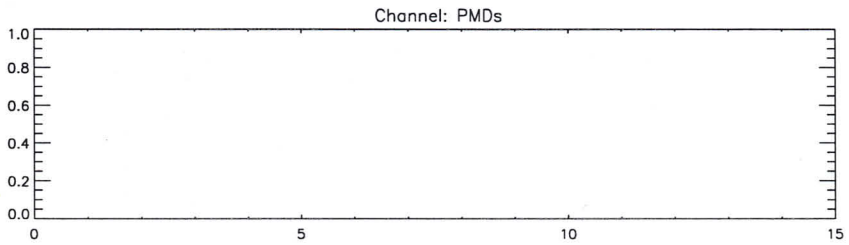
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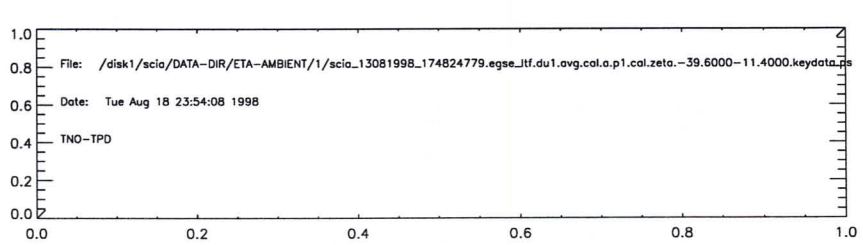
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-11.4000.keydata.ps
Date: Tue Aug 18 23:54:08 1998
TNO-TPD
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0.2
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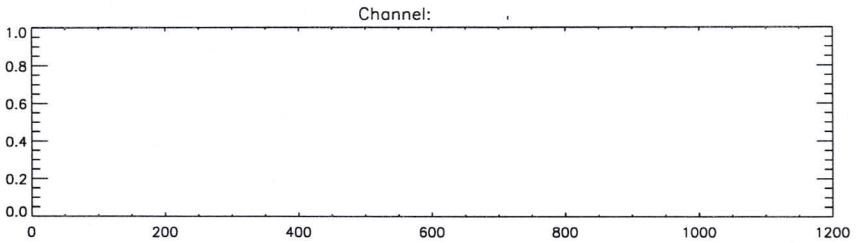
0.8
1.0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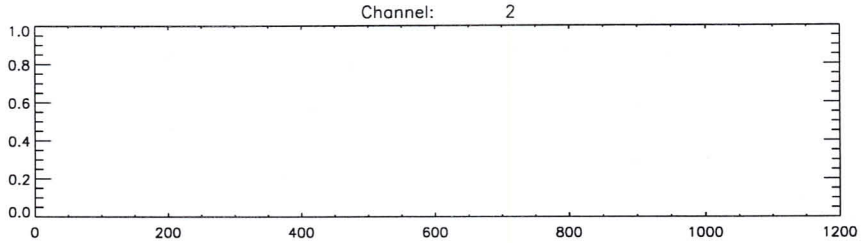
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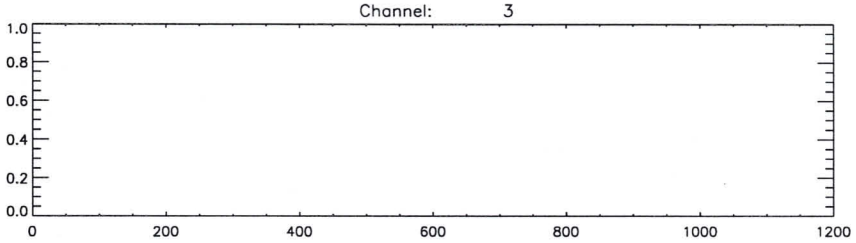
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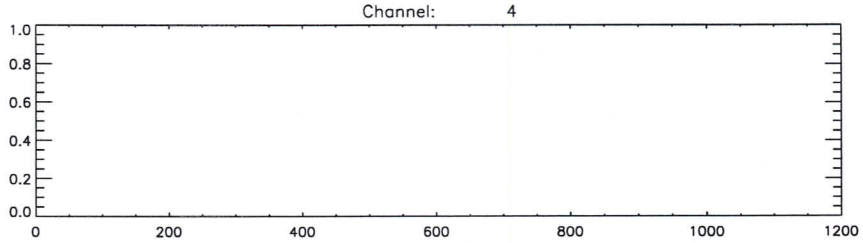
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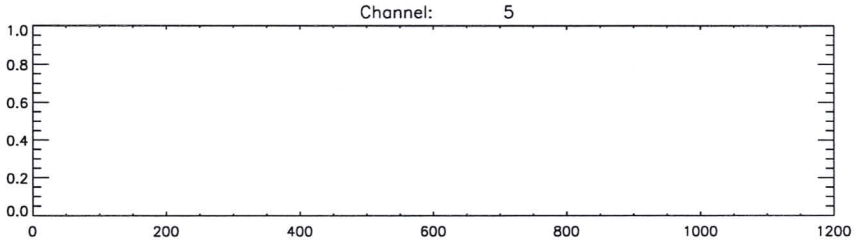
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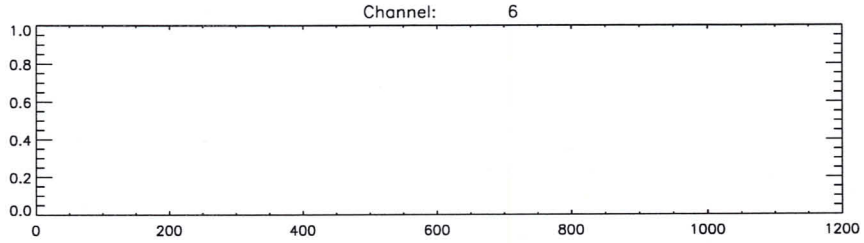
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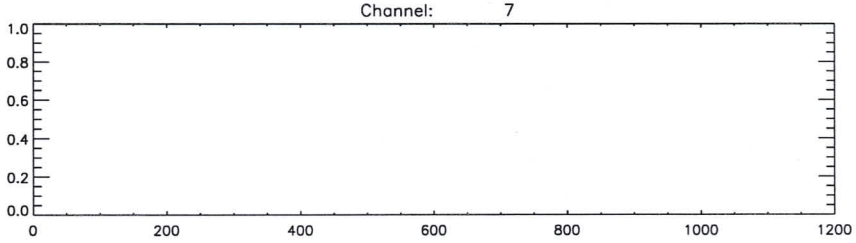
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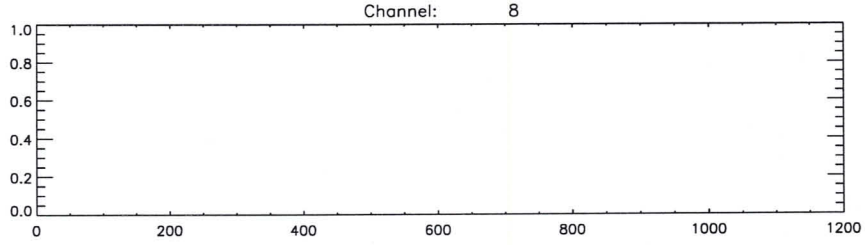
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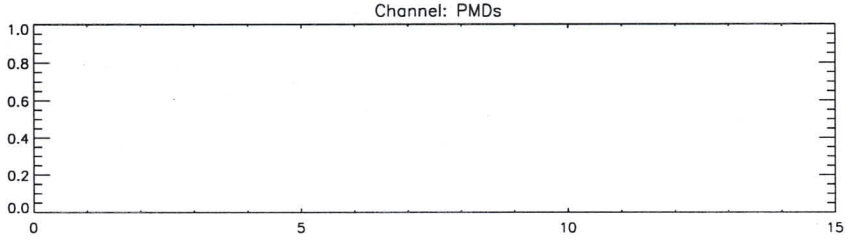
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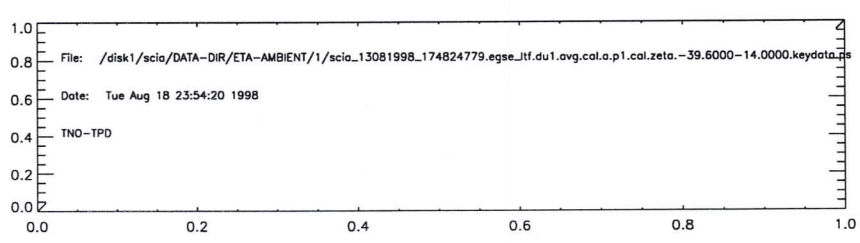
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:20 1998
TNO-TPD
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0.8
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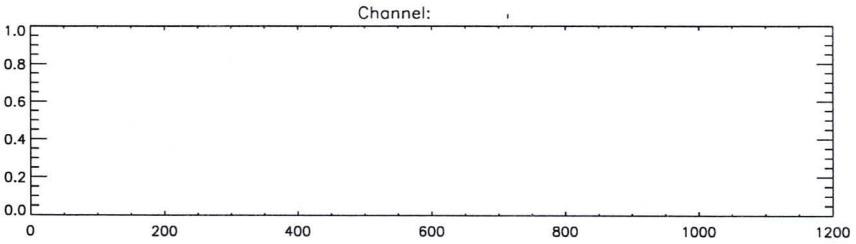
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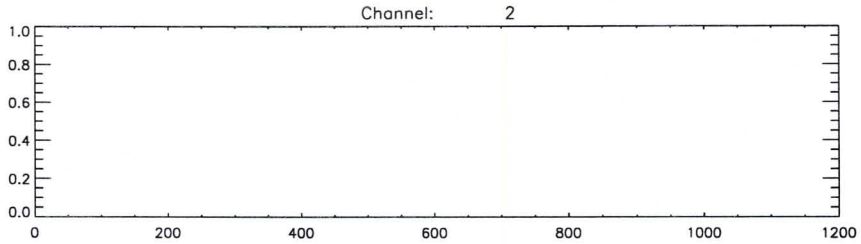
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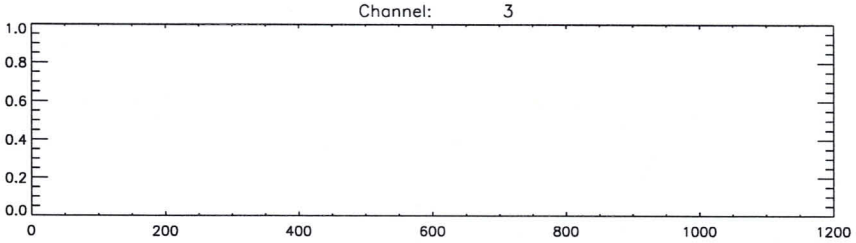
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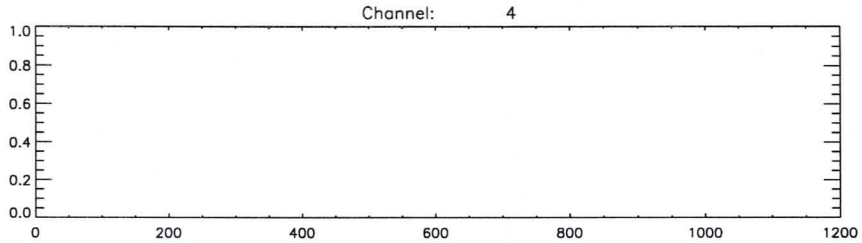
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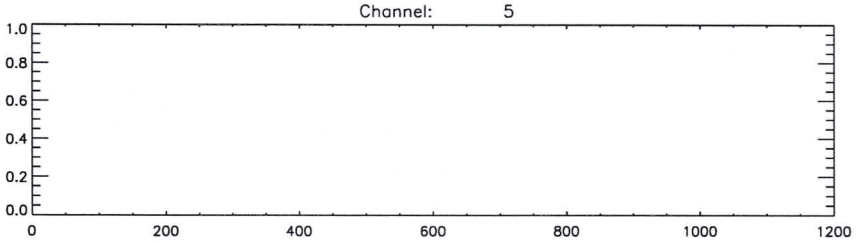
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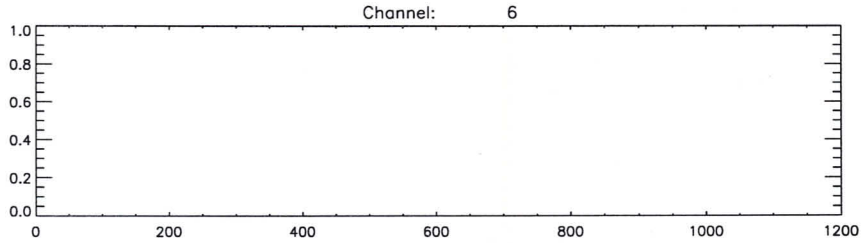
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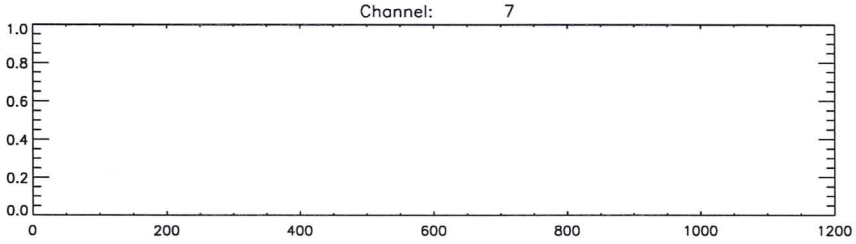
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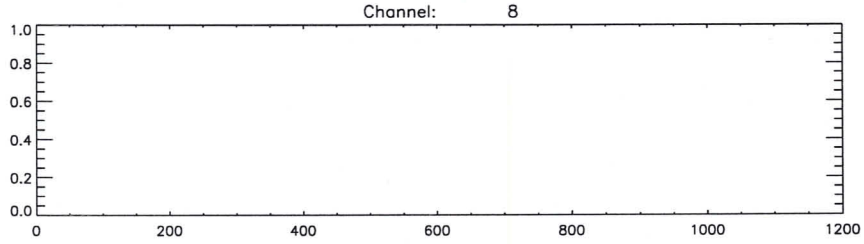
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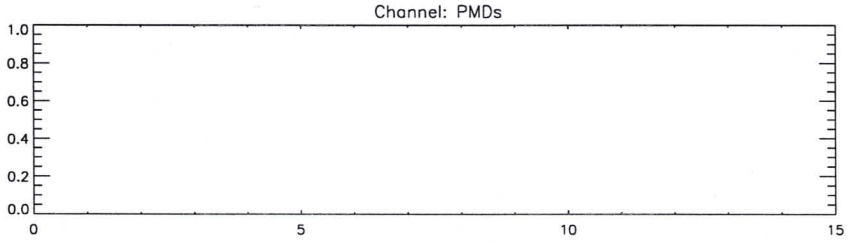
Channel: PMDs
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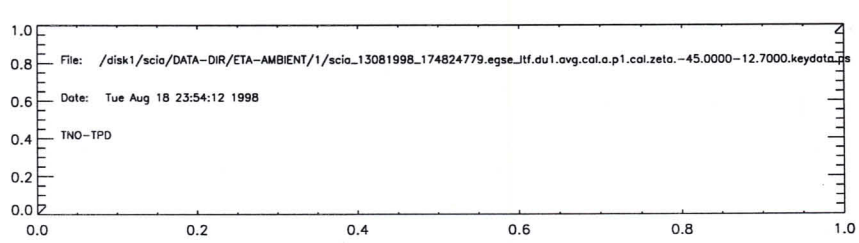
File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-45.0000-12.7000.keydata.ps
Date: Tue Aug 18 23:54:12 1998
TNO-TPD
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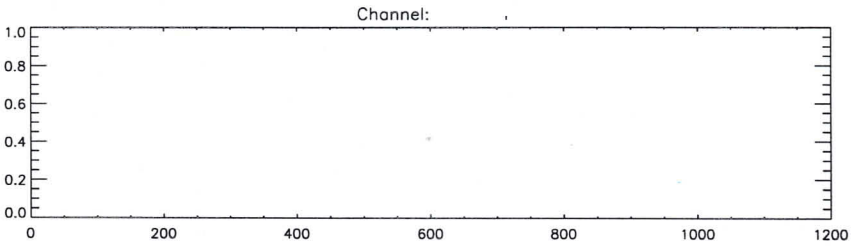
0.8
1.0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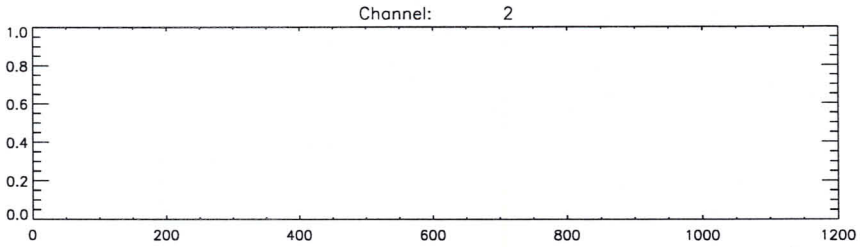
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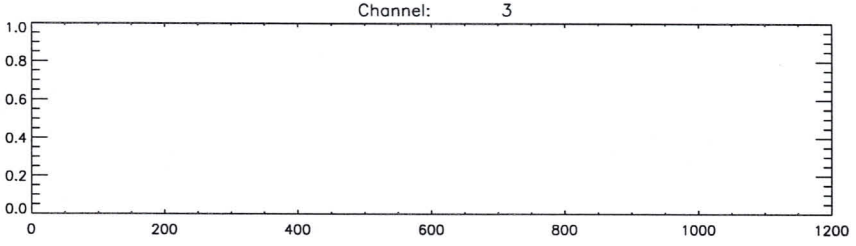
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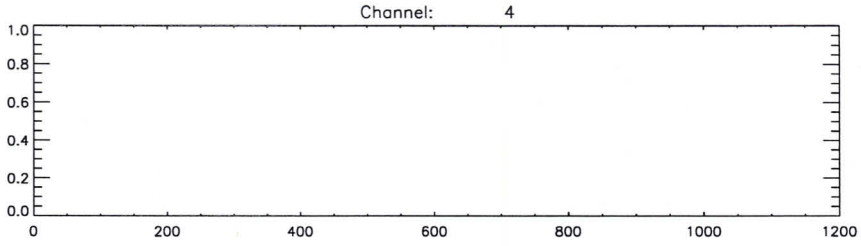
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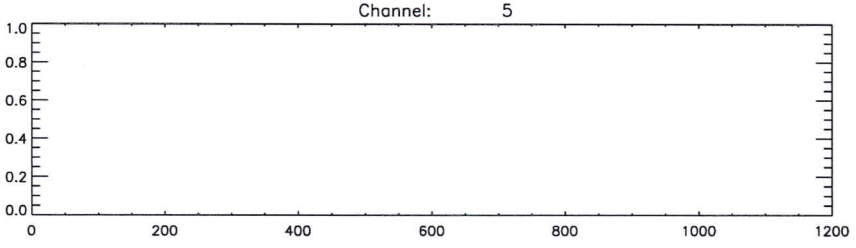
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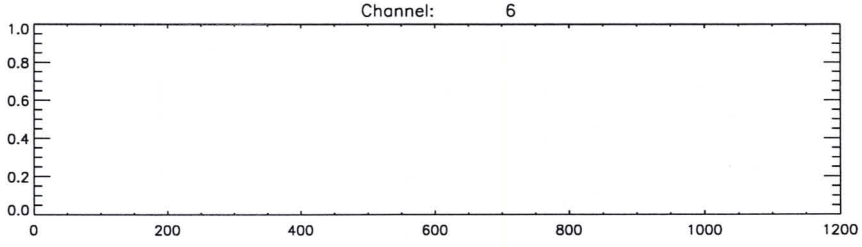
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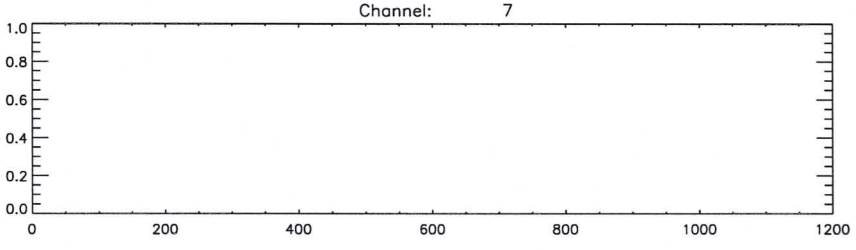
800
1000
1200


Channel: 7
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0.8
0.6
0.4
0.2
0.0
0
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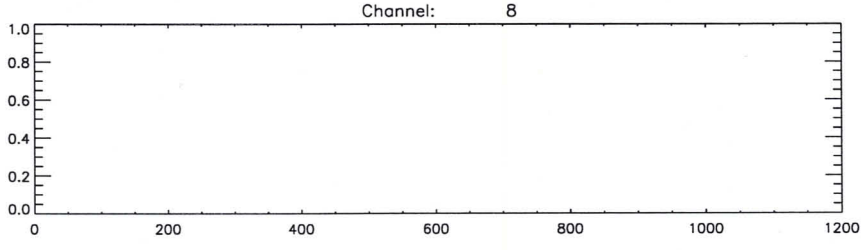
400
600
800
1000
1200


Channel: 8
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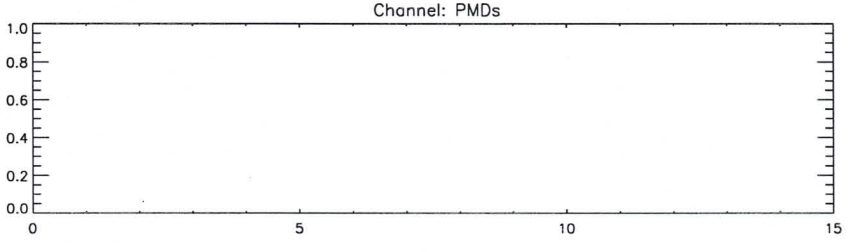
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
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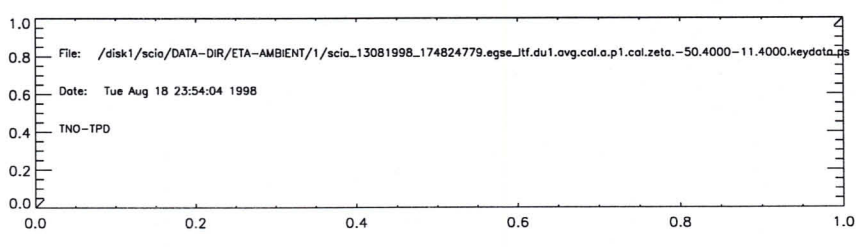
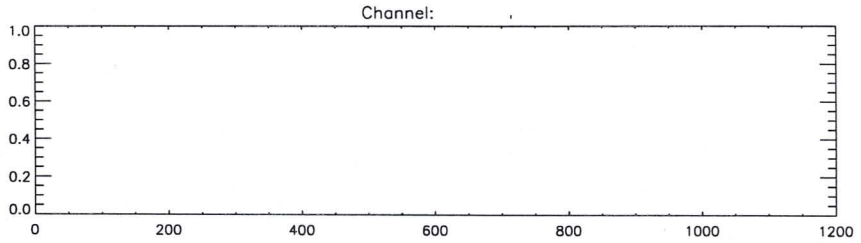
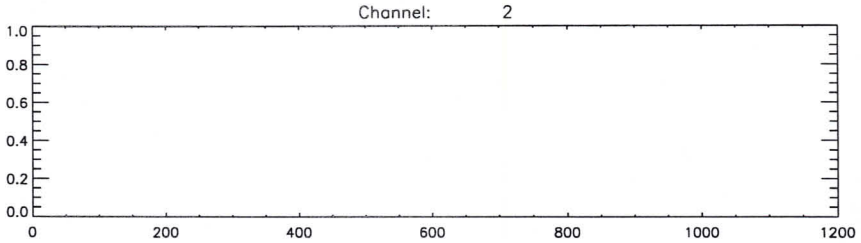
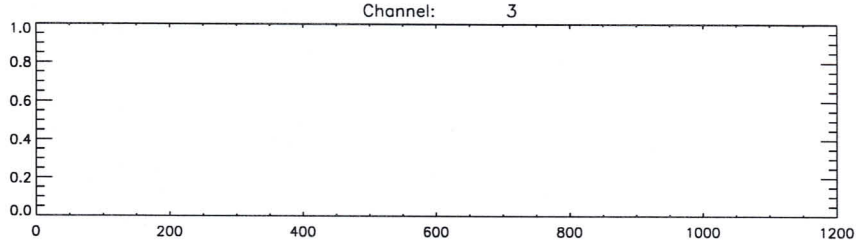
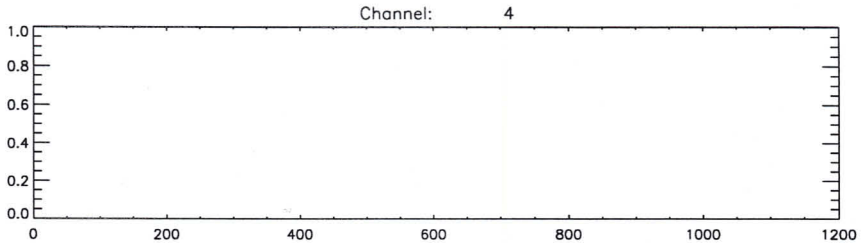
0.6
0.4
0.2
0.0
0
5
10
15

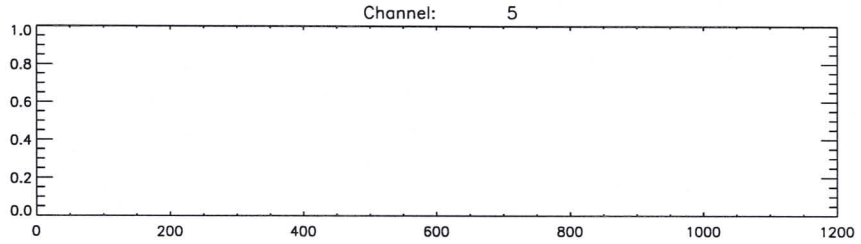

File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-11.4000.keydata.ps
Date: Tue Aug 18 23:54:04 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

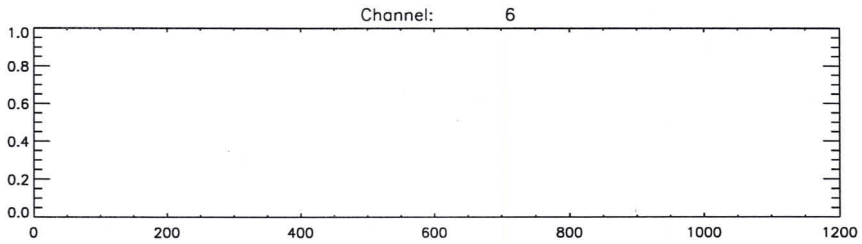

Channel:
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

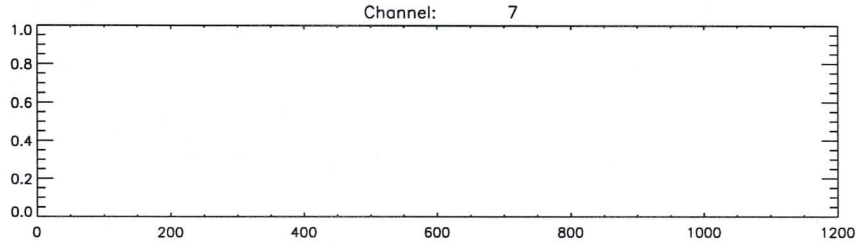

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

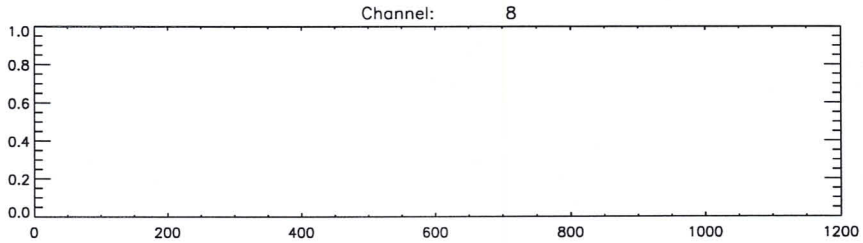

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

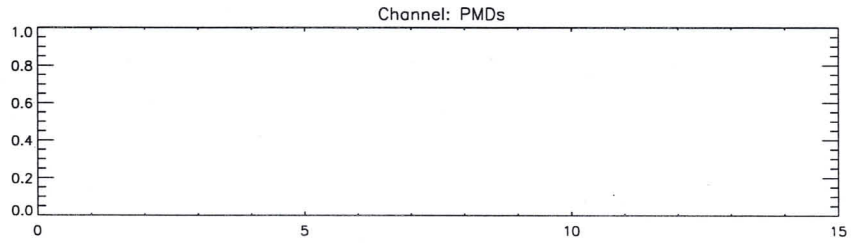

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

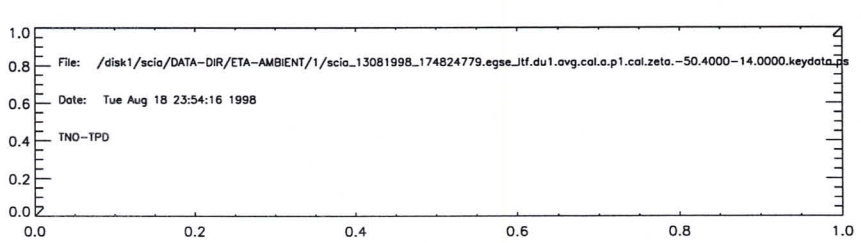

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15


File: /disk1/scia/DATA-DIR/ETA-AMBIENT/1/scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-14.0000.keydata.ps
Date: Tue Aug 18 23:54:16 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

```
#! /bin/sh
mv f0 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal
mv f1 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.DAT.CAL
mv f2 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.DAT.CAL.log
mv f3 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.WLS.CAL
mv f4 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.WLS.CAL.log
mv f5 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata
mv f6 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.log
mv f7 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.ps
mv f8 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-
mv f9 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-
mv f10 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500
mv f11 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500
mv f12 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500
mv f13 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500
mv f14 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750
mv f15 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750
mv f16 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750
mv f17 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f18 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f19 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f20 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f21 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f22 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000
mv f23 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f24 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f25 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f26 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f27 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f28 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-39.6000
mv f29 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-45.0000
mv f30 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-45.0000
mv f31 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-45.0000
mv f32 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f33 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f34 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f35 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f36 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f37 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-50.4000
mv f38 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-29.000
mv f39 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-29.000
mv f40 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-29.000
mv f41 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-37.000
mv f42 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-37.000
mv f43 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-37.000
mv f44 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-45.000
mv f45 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-45.000
mv f46 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-45.000
mv f47 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-53.000
mv f48 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-53.000
mv f49 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-53.000
mv f50 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-61.000
mv f51 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-61.000
mv f52 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_nadir.-61.000
mv f53 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.log
mv f54 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.tmp.keydata
mv f55 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.tmp.keydata.log
mv f56 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.tmp.keydata.ps
mv f57 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-14.
mv f58 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-14.
mv f59 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-14.
mv f60 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-9.7
mv f61 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-9.7
mv f62 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-22.7500-9.7
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mv f63 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-28.8750-11.
mv f64 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-28.8750-11.
mv f65 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-28.8750-11.
mv f66 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-14.
mv f67 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-14.
mv f68 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-14.
mv f69 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-9.7
mv f70 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-9.7
mv f71 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-35.0000-9.7
mv f72 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-11.
mv f73 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-11.
mv f74 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-11.
mv f75 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-14.
mv f76 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-14.
mv f77 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-39.6000-14.
mv f78 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-45.0000-12.
mv f79 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-45.0000-12.
mv f80 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-45.0000-12.
mv f81 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-11.
mv f82 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-11.
mv f83 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-11.
mv f84 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-14.
n  f85 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-14.
mv f86 scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.zeta.-50.4000-14.
mv f87 scia_13081998_174824779.egse_ltf.du1.avg.cal.c.p1.cal
mv f88 scia_13081998_174824779.egse_ltf.du1.avg.cal.c.p1.cal.log
mv f89 scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p1.cal
mv f90 scia_13081998_174824779.egse_ltf.du1.avg.cal.e.p1.cal.log
mv f91 scia_16081998_192610534.egse_ltf.du1.avg.cal.b.p1.cal
mv f92 scia_16081998_192610534.egse_ltf.du1.avg.cal.b.p1.cal.log
mv f93 scia_16081998_192610534.egse_ltf.du1.avg.cal.d.p1.cal
mv f94 scia_16081998_192610534.egse_ltf.du1.avg.cal.d.p1.cal.log
```

```
#! /bin/sh
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal f0
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.DAT.CAL f1
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.DAT.CAL.log f2
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.WLS.CAL f3
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.TMP.WLS.CAL.log f4
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata f5
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.log f6
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta.keydata.ps f7
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-9.7
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-9.7
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-22.7500-9.7
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750-11.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750-11.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-28.8750-11.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-14.
mv scia_13081998_174824779.egse_ltf.du1.avg.cal.a.p1.cal.eta_limb.-35.0000-9.7
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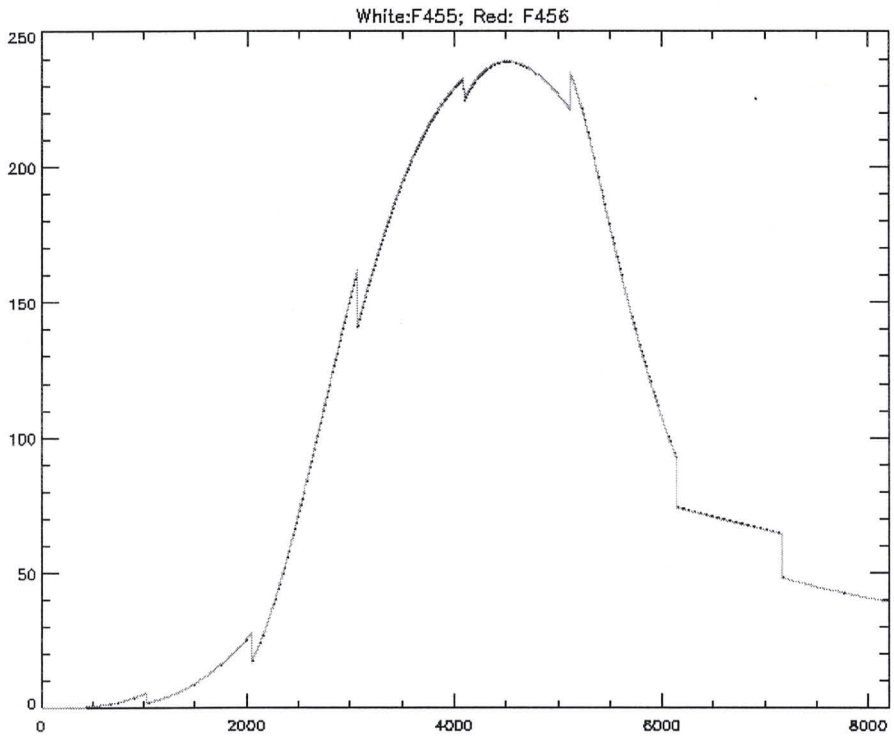
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