STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. Kalf 1-9-1998	
	Setup a three-window configuration on your SUN.		See course descr.
	Let <F1> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-I/<number1>/<abc>.data) Full path name of <F1>	XSI-UV-I/4	(F1)
	Let <F2> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-II/<number2>/<abc>.data) Full path name of <F2>	XSI-UV-II/6	(F2)
	Let <F3> be a data file containing a XSI-UV *.data file (E.g., ~/DATA-DIR/XSI-UV-III/<number3>/<abc>.data) Full path name of <F3>	XSI-UV-III/3	(F3)
Combine	idl do_xsi_combine_3		In IDL window
Inspect	ls -l <F1>.combined.data Size of <F1>.combined.data?	111714	In DATA-DIR window
Print logfiles	lpr -P<printer> *.data.log Add logfiles to logbook, done	Y / N	
Sign:	Name Date and time Signature	M. Kalf 1-9-1998 mkalf	

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-UV-I/4/scia_28081998_205607131.egse_ltf.du1.avg.p1.ca
 and

/disk1/scia/DATA-DIR/XSI-UV-II/6/scia_28081998_091632340.egse_ltf.du1.avg.p1.c
 and

/disk1/scia/DATA-DIR/XSI-UV-III/3/scia_29081998_175042750.egse_ltf.du1.avg.p1.
Action: Combined (simple concatenation)
Processing time: Tue Sep 1 02:39:40 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-I/4/scia_28081998_205607131.egse_ltf.du1.avg.p1.ca

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. Kalt 1-9-1998	
	What's the name of the (main) data input file generated by the EGSE? (*.dat)	???	(A)
Cnstr directory	cd ~/DATA-DIR/AMBIENT-XSI ; 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:	geen. 1 (Y) / N ~/DATA-DIR/AMBIENT-XSI/<C>	Note: In window DATA-DIR (B) (C) (DIR-NAME)
	Setup a three-window configuration on your SUN.		See course descr.
Combine xsi .data files	Combine XSI-UV files (see analysis sheet combine-xsi-uv) Combine XSI-VisIR files (see analysis sheet combine-xsi-visir) Combine XSI-IR files (see analysis sheet combine-xsi-ir)		
Copy input files	Let <I1> be the XSI-UV (combined) data file (i.e., full path name of <I1> is something like: ~/DATA-DIR/XSI-UV/<number>/<abc>.combined.data) Full path name of <I1>	DAT XSI-UV-I/4	(I1)
	Let <I2> be the XSI-VisIR (combined) data file (i.e., full path name of <I1> is something like: ~/DATA-DIR/XSI-VisIR/<number>/<abc>.combined.data) Full path name of <I2>	XSI-VisIR-1/3	(I2)

Let <I3> be the XSI-IR (combined) data file (i.e., full path name of <I1> is something like: `~/DATA-DIR/XSI-IR/<number>/<abc>.combined.data`)
Full path name of <I3>

DATA-DIR/XSI-IR-I/6 (I2)
SCIA-

```
cp <I1> <DIR-NAME>
cp <I2> <DIR-NAME>
cp <I3> <DIR-NAME>
cp <I1>.log <DIR-NAME>
cp <I2>.log <DIR-NAME>
cp <I3>.log <DIR-NAME>
ls -l <DIR-NAME>
```

Are <I1>, <I2> and <I3> present in <DIR-NAME>?

(Y)/n

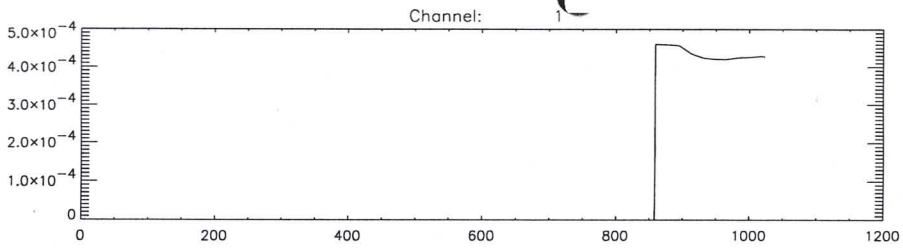
ETA processing

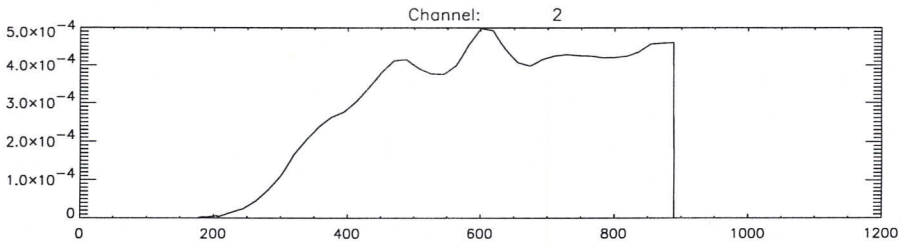
Run ETA	`idl do_xsi_ambient`		In IDL window
Check ETA	`ls -l *`		In DATA-DIR window should be approx 150Kb should be approx 150Kb
	Size of file `<I1>.tmp2.[01].dat.cal`	145999	
	Size of file `<I1>.tmp3.[01].dat.cal`	145999	
	Note: 0 indicates data originates from low gain PMD amplifiers, 1 indicates data originates from high gain PMD amplifiers.		
Print postscript	`lpr -P<printer> *.ps`		
	Add postscript images to logbook, Done?	Y / N	
Print logfiles	`lpr -P<printer> *.log`		
	Add logfiles to logbook, done	Y / N	

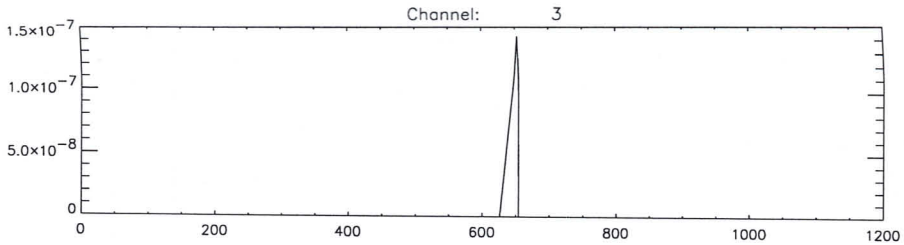
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp

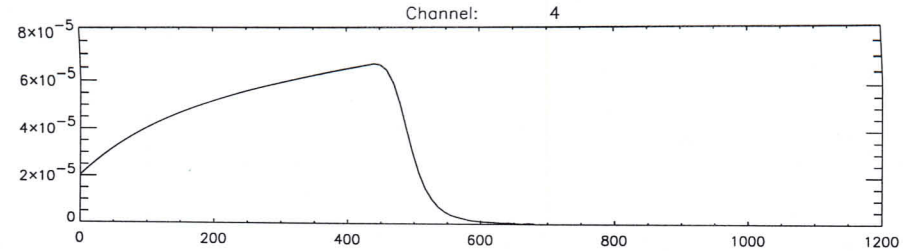
Name of backup CDs _____

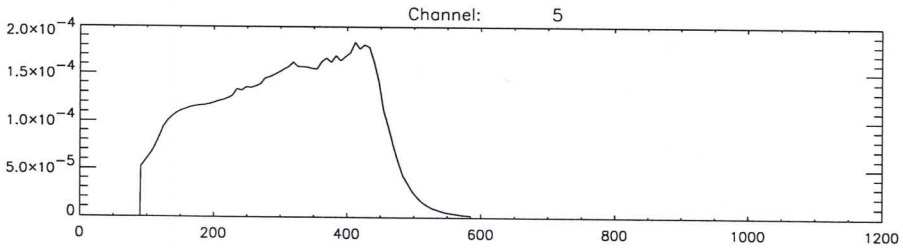
Sign: Name _____
Date and time _____
Signature _____

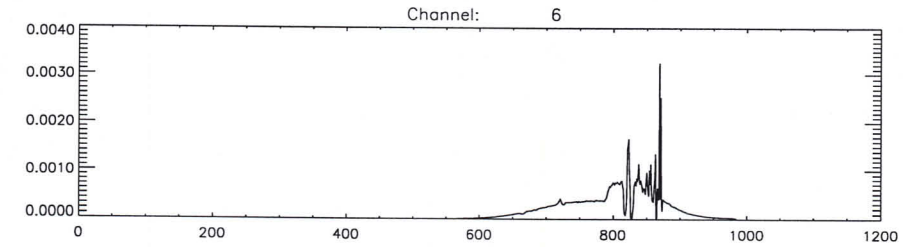

Channel: 1
5.0x10^-4
4.0x10^-4
3.0x10^-4
2.0x10^-4
1.0x10^-4
0
0
200
400
600
800
1000
1200

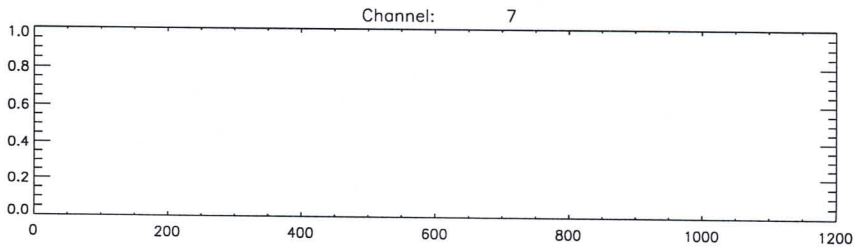

Channel: 2
5.0x10^-4
4.0x10^-4
3.0x10^-4
2.0x10^-4
1.0x10^-4
0
0
200
400
600
800
1000
1200

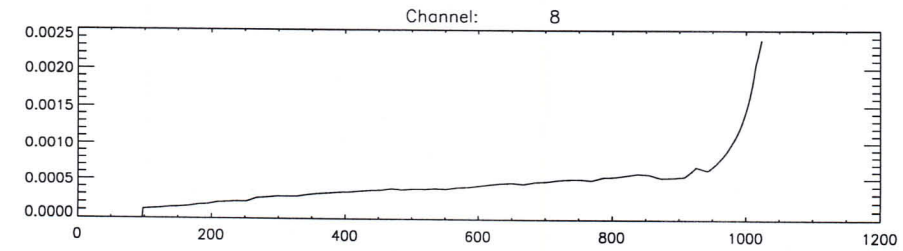

Channel: 3
1.5x10^-7
1.0x10^-7
5.0x10^-8
0
0
200
400
600
800
1000
1200

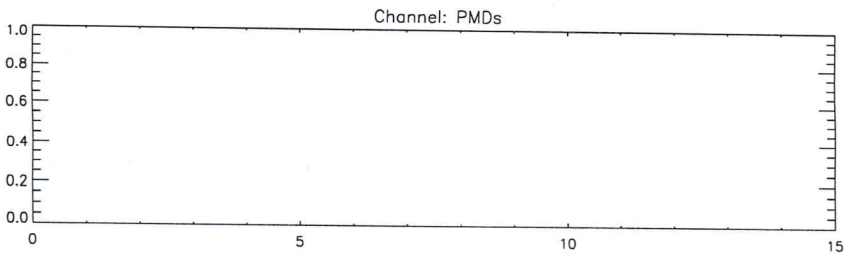

Channel: 4
8x10^-5
6x10^-5
4x10^-5
2x10^-5
0
0
200
400
600
800
1000
1200

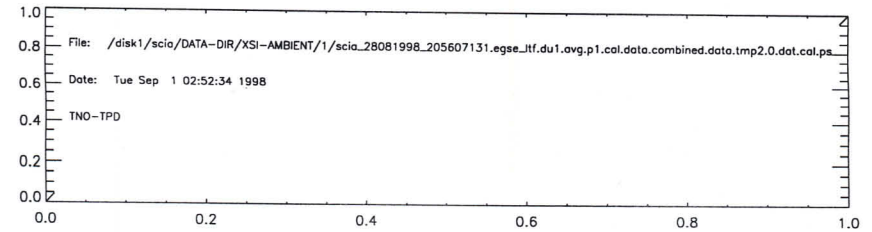

Channel: 5
2.0x10^-4
1.5x10^-4
1.0x10^-4
5.0x10^-5
0
0
200
400
600
800
1000
1200

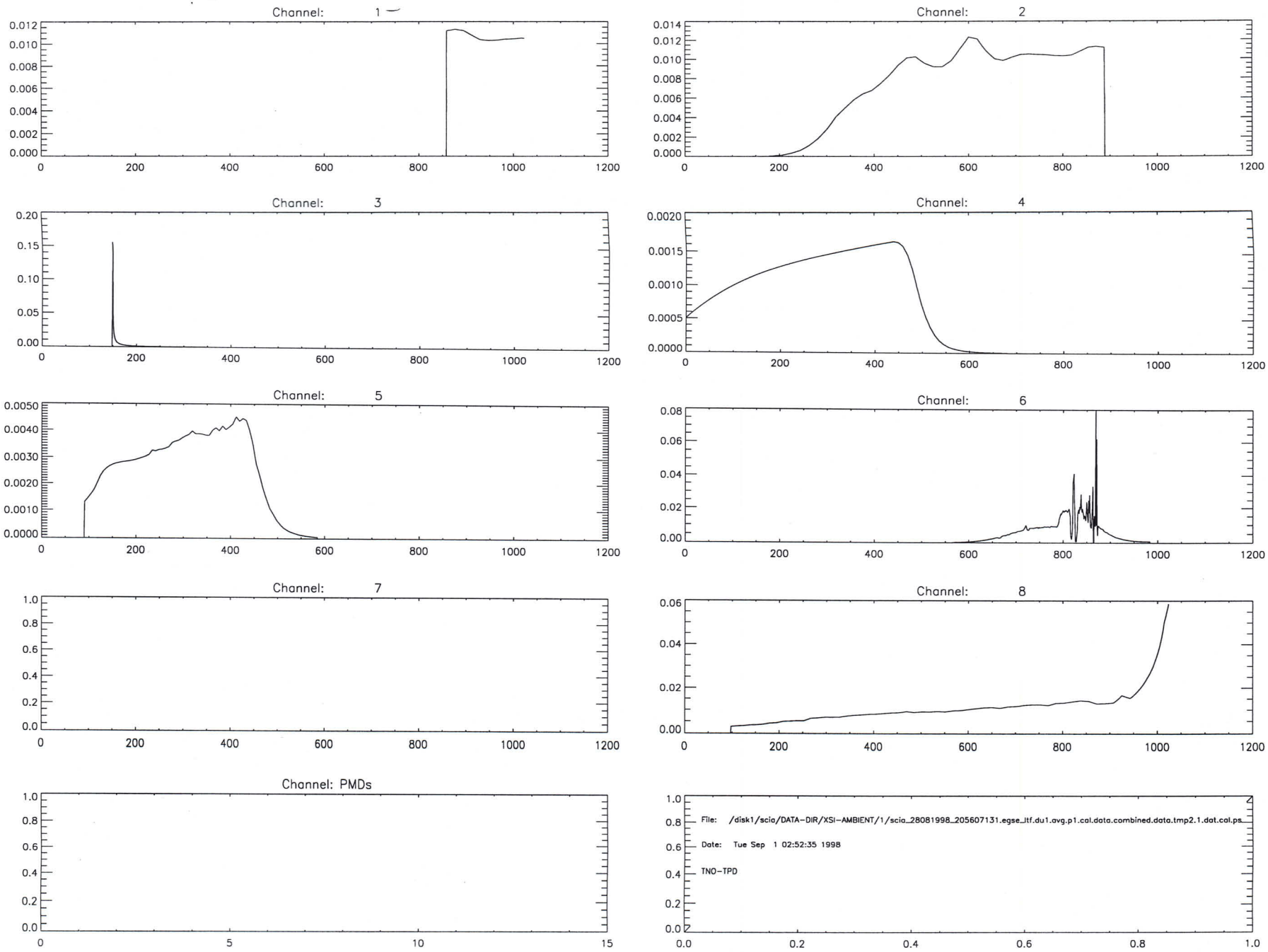

Channel: 6
0.0040
0.0030
0.0020
0.0010
0.0000
0
200
400
600
800
1000
1200

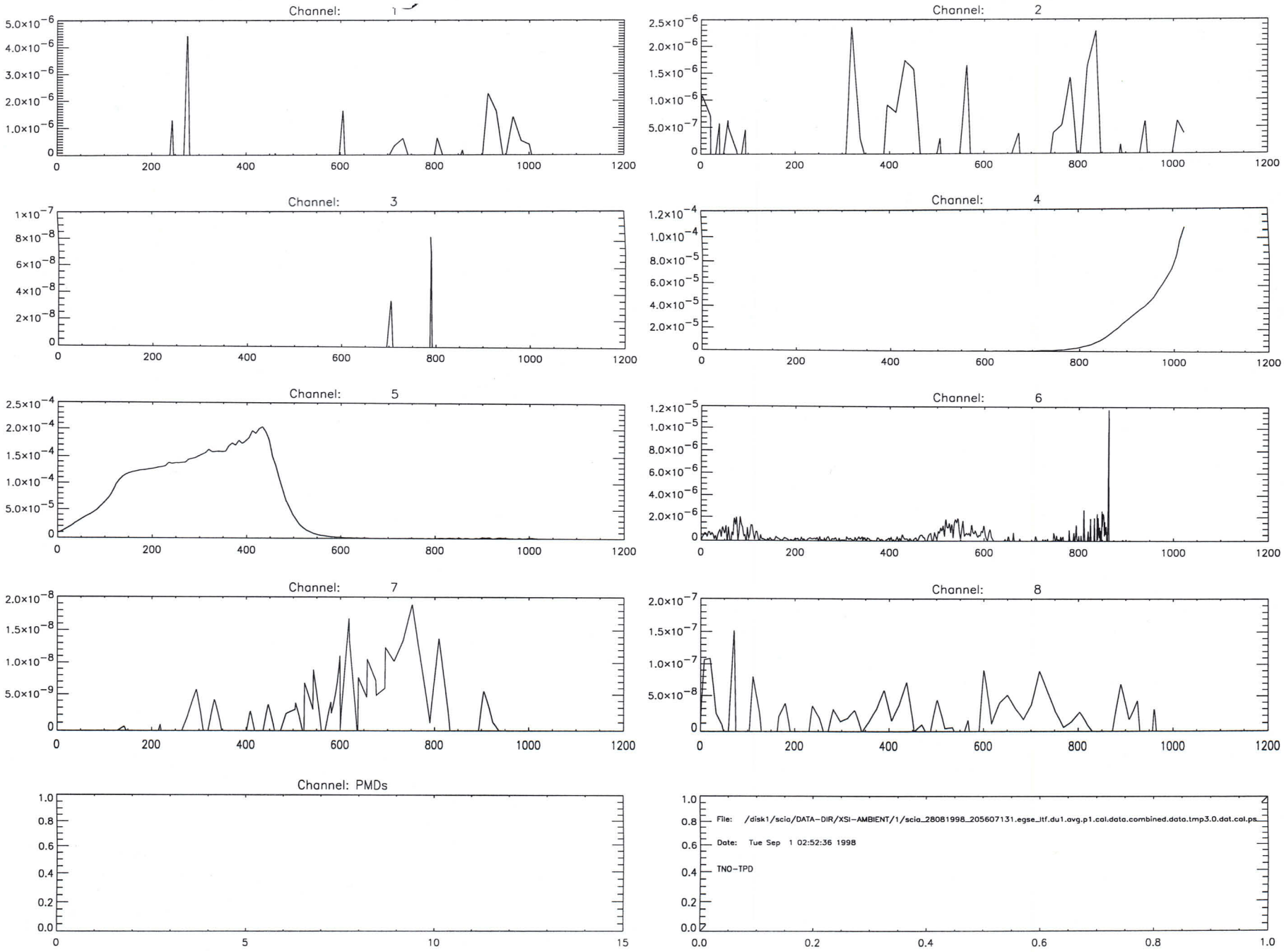

Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

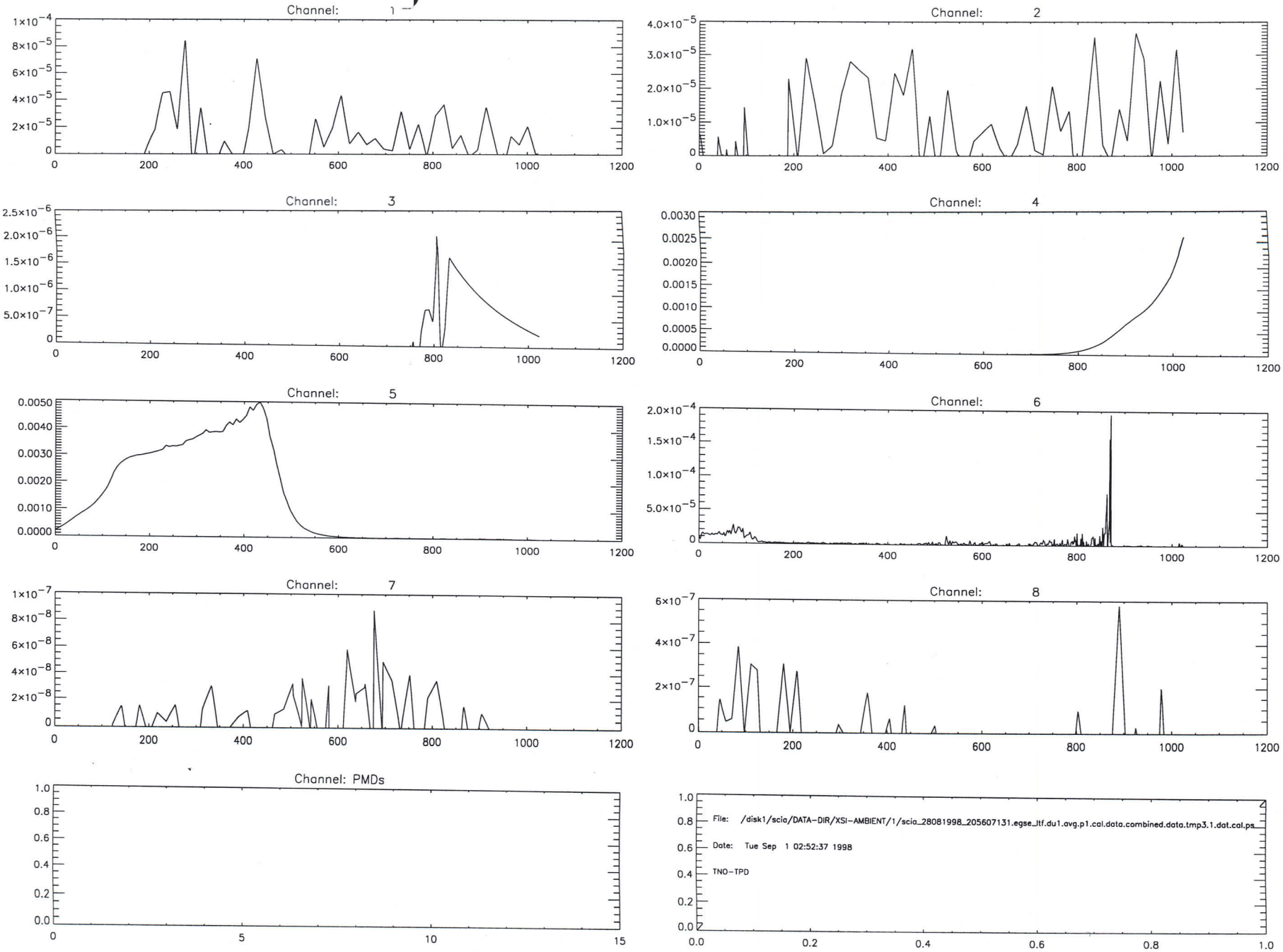

Channel: 8
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
200
400
600
800
1000
1200


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/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1.cal.data.combined.data.tmp2.0.dat.cal.ps
Date: Tue Sep 1 02:52:34 1998
TNO-TPD
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/XSI-AMBIENT/1/scia_28081998_205607131.egse_itf.du1.avg.p1.cal.data.combined.data.tmp2.1.dat.cal.ps
Date: Tue Sep 1 02:52:35 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/XSI-AMBIENT/1/scia_28081998_205607131.egse_itf.du1.avg.p1.cal.data.combined.data.tmp3.0.dat.cal.ps
Date: Tue Sep 1 02:52:36 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/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1.cal.data.combined.data.tmp3.1.dat.cal.ps
Date: Tue Sep 1 02:52:37 1998
TNO-TPD

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-UV-I/4/scia_28081998_205607131.egse_ltf.du1.avg.p1.ca
and

/disk1/scia/DATA-DIR/XSI-UV-II/6/scia_28081998_091632340.egse_ltf.du1.avg.p1.c
and

/disk1/scia/DATA-DIR/XSI-UV-III/3/scia_29081998_175042750.egse_ltf.du1.avg.p1.
Action: Combined (simple concatenation)
Processing time: Tue Sep 1 02:39:40 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-I/4/scia_28081998_205607131.egse_ltf.du1.avg.p1.ca

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Computation of TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:33 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Wavelengths corresponding to TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:34 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
 and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
 and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Computation of TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:35 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Wavelengths corresponding to TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:36 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
 and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
 and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Computation of TMP3 (3.1.22)
Processing time: Tue Sep 1 02:52:36 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Wavelengths corresponding to TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:37 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Computation of TMP3 (3.1.22)
Processing time: Tue Sep 1 02:52:37 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_29081998_225213934.egse_ltf.du1.avg.p1
and

/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_31081998_063057924.egse_ltf.du1.avg.p1
Action: Wavelengths corresponding to TMP2 (3.1.21)
Processing time: Tue Sep 1 02:52:38 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-AMBIENT/1/scia_28081998_205607131.egse_ltf.du1.avg.p1

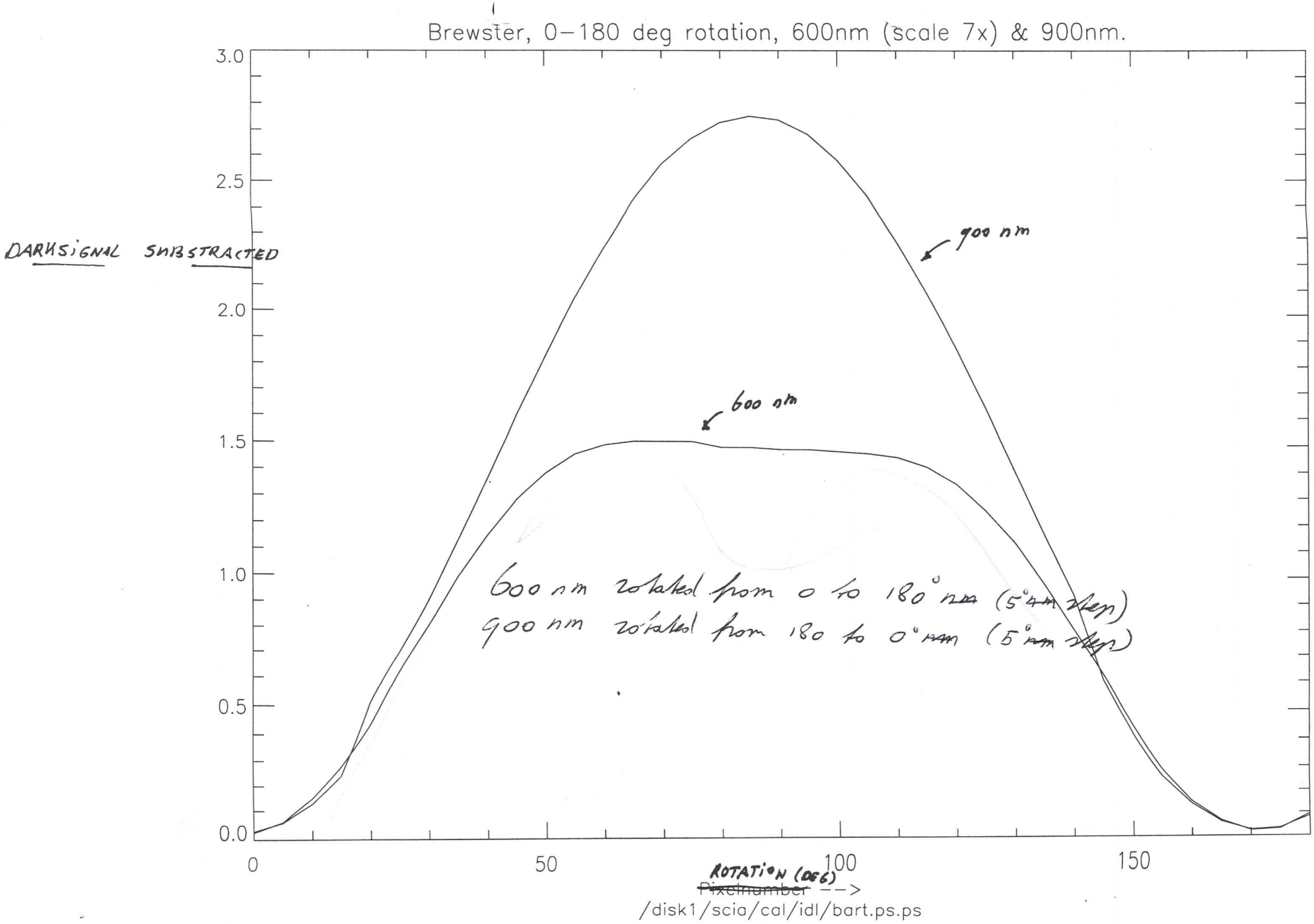
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/XSI-VisIR-I/3/scia_29081998_225213934.egse_ltf.du1.avg.p
 /disk1/scia/DATA-DIR/XSI-VisIR-II/5/scia_30081998_041430597.egse_ltf.du1.avg.
 /disk1/scia/DATA-DIR/XSI-VisIR-III/9/scia_30081998_155153301.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/XSI-VisIR-IV/4/scia_30081998_235707570.egse_ltf.du1.avg.
Processing: Combined (simple concatenation)
Processing time: Mon Aug 31 10:03:06 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-VisIR-I/3/scia_29081998_225213934.egse_ltf.du1.avg.p1
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/XSI-IR-I/6/scia_31081998_063057924.egse_ltf.du1.avg.p1.ca
 and

/disk1/scia/DATA-DIR/XSI-IR-II/4/scia_31081998_100114484.egse_ltf.du1.avg.p1.c
 and

/disk1/scia/DATA-DIR/XSI-IR-III/5/scia_31081998_152817686.egse_ltf.du1.avg.p1.
Action: Combined (simple concatenation)
Processing time: Tue Sep 1 00:47:49 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-IR-I/6/scia_31081998_063057924.egse_ltf.du1.avg.p1.ca


Brewster, 0–180 deg rotation, 600nm (scale 7x) & 900nm.
DARK SIGNAL SUBSTRACTED
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
50
100
150
900 nm
600 nm
600 nm rotated from 0 to 180° nm (5° step)
900 nm rotated from 180 to 0° nm (5° step)
ROTATION (DEG)
Pixelnumber -->
/disk1/scia/cal/idl/bart.ps.ps

900 nm

180	0,102
175	0,050
170	0,042
165	0,077
160	0,157
155	0,276
150	0,433
145	0,618
140	0,949
135	1,177
130	1,415
125	1,653
120	1,883
115	2,098
110	2,291
105	2,461
100	2,597
095	2,698
090	2,754
085	2,768
080	2,744
075	2,680
070	2,581
065	2,437
060	2,268
055	2,073
050	1,849
045	1,619
040	1,381
035	1,149

BREWSTER TEST, DATA START IN ASCII-FILE IN IOL-DIRECTORY:

BREWSER_600nm &
BREWSTER_900nm

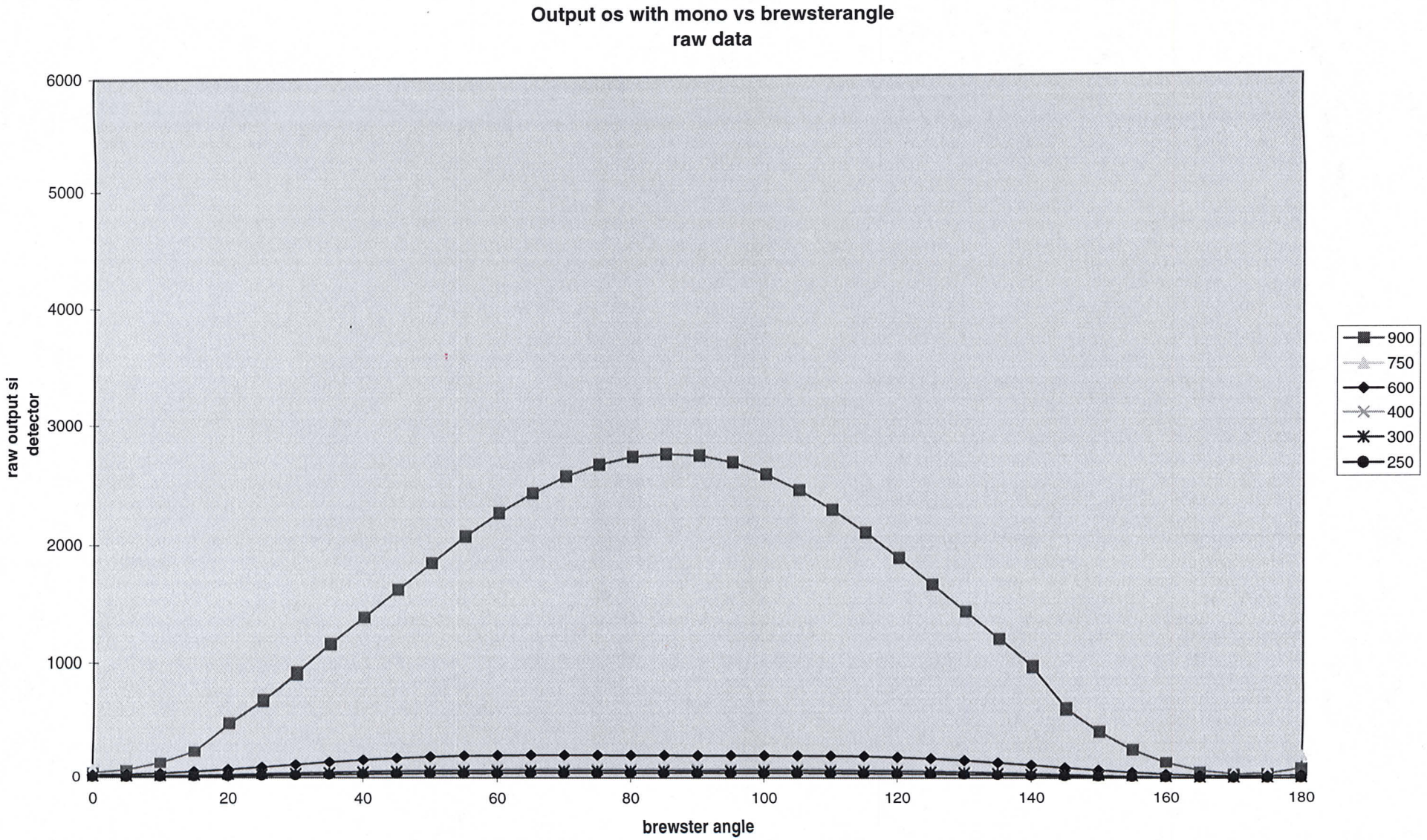
data transferred to

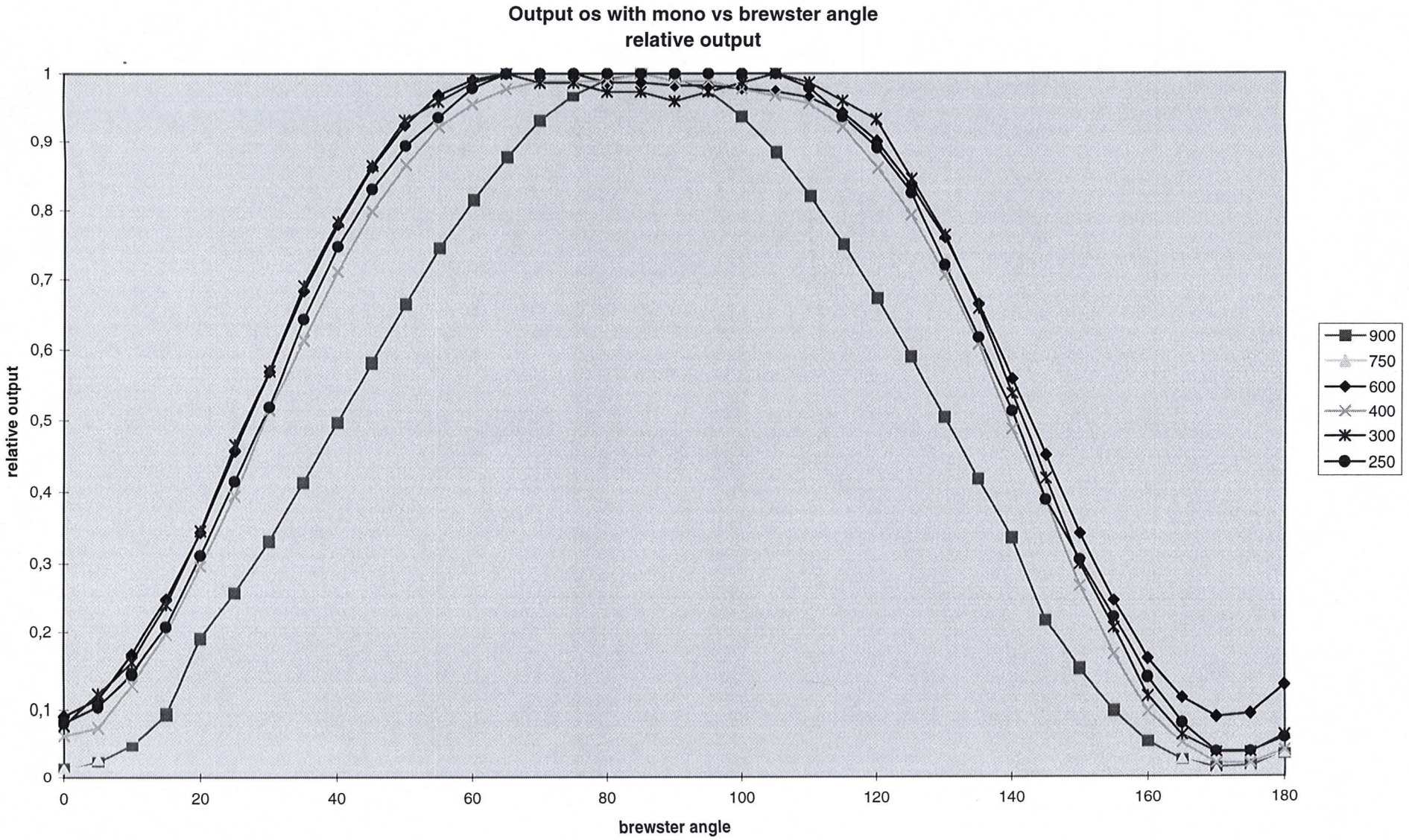
* tpd-PC-CDwriter
* subdir \data\polarisatie

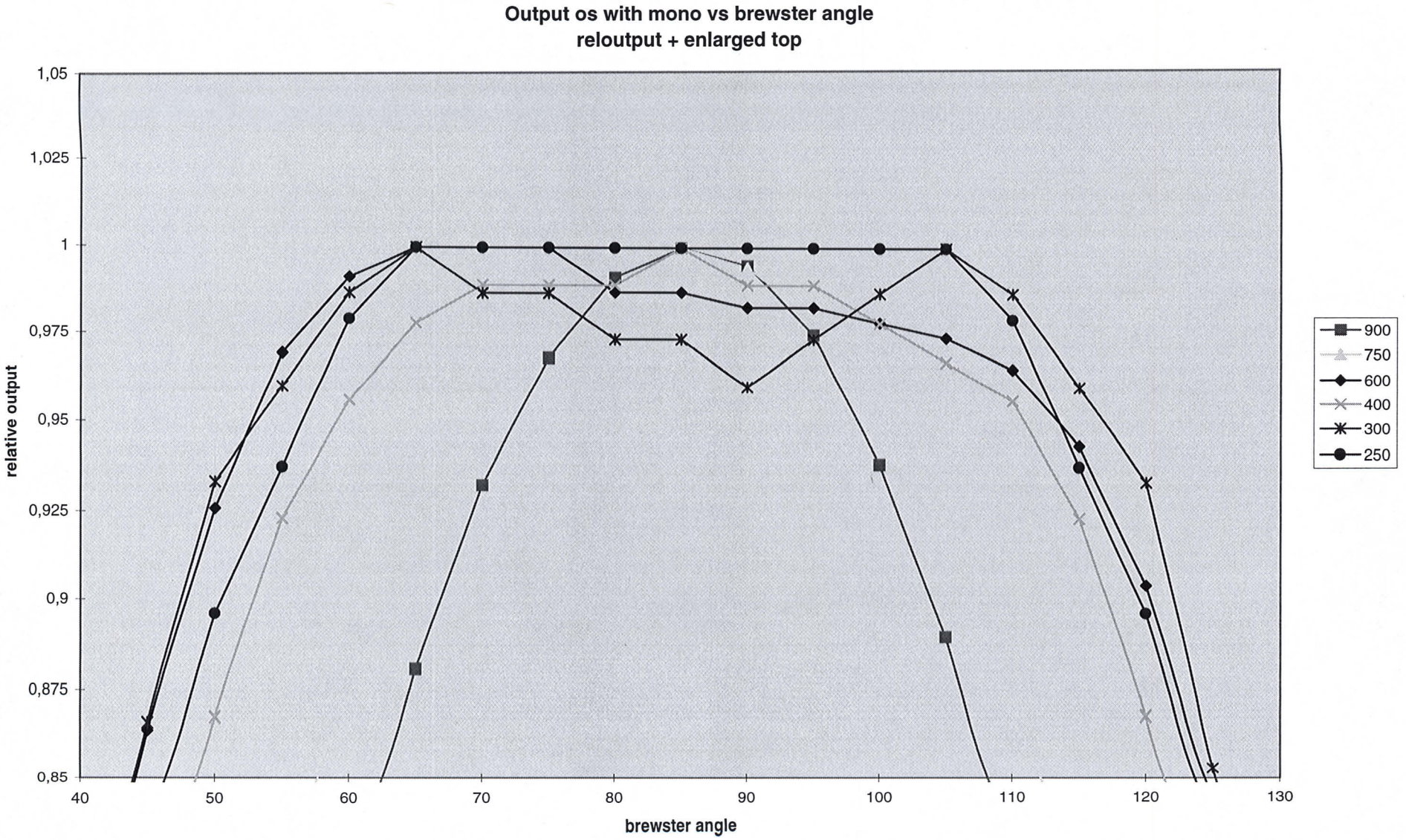
30	0,921
25	0,715
20	0,531
15	0,261
10	0,146
5	0,073
0	0,043

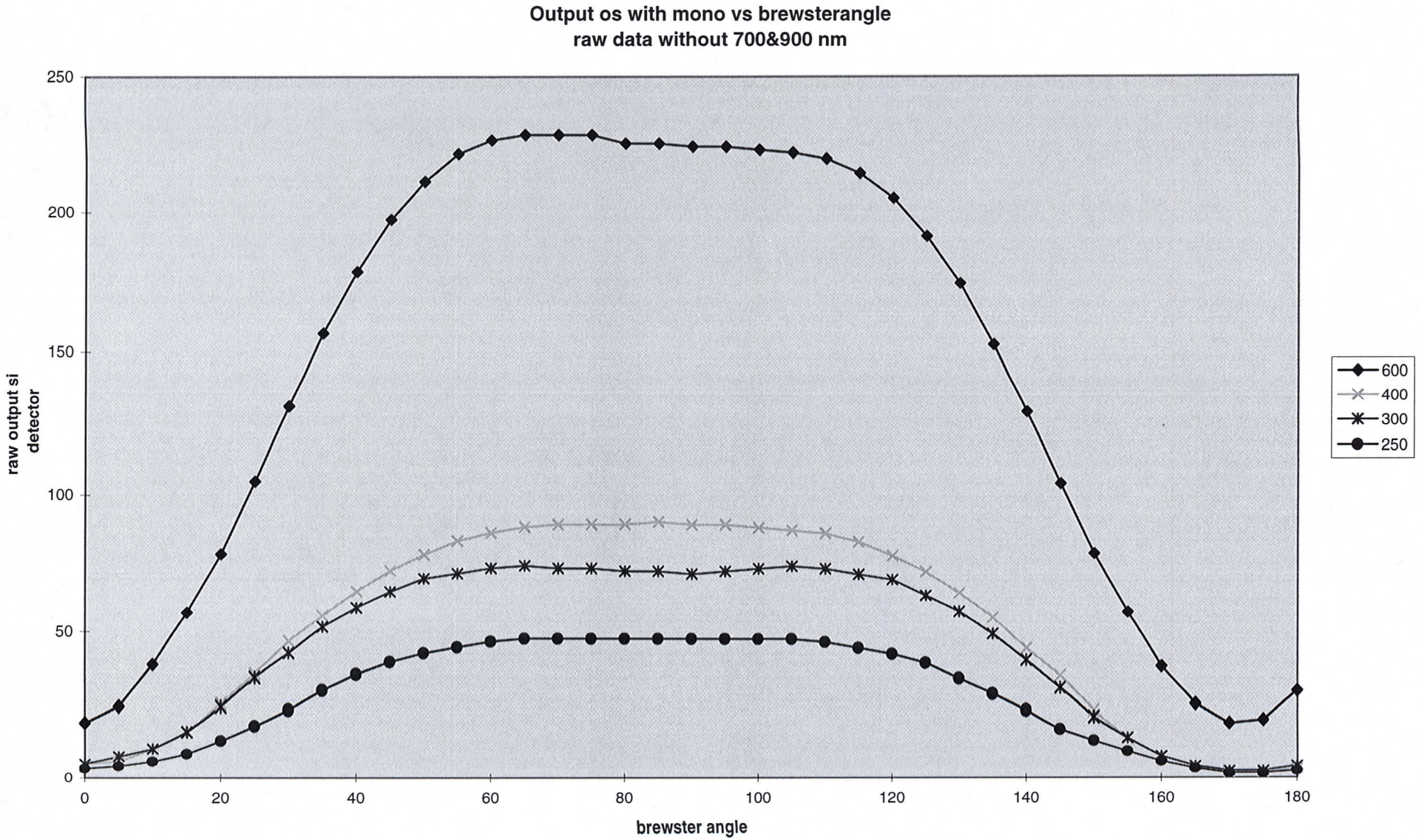
LOG SHEET SCHIAMACHY CALIBRATION

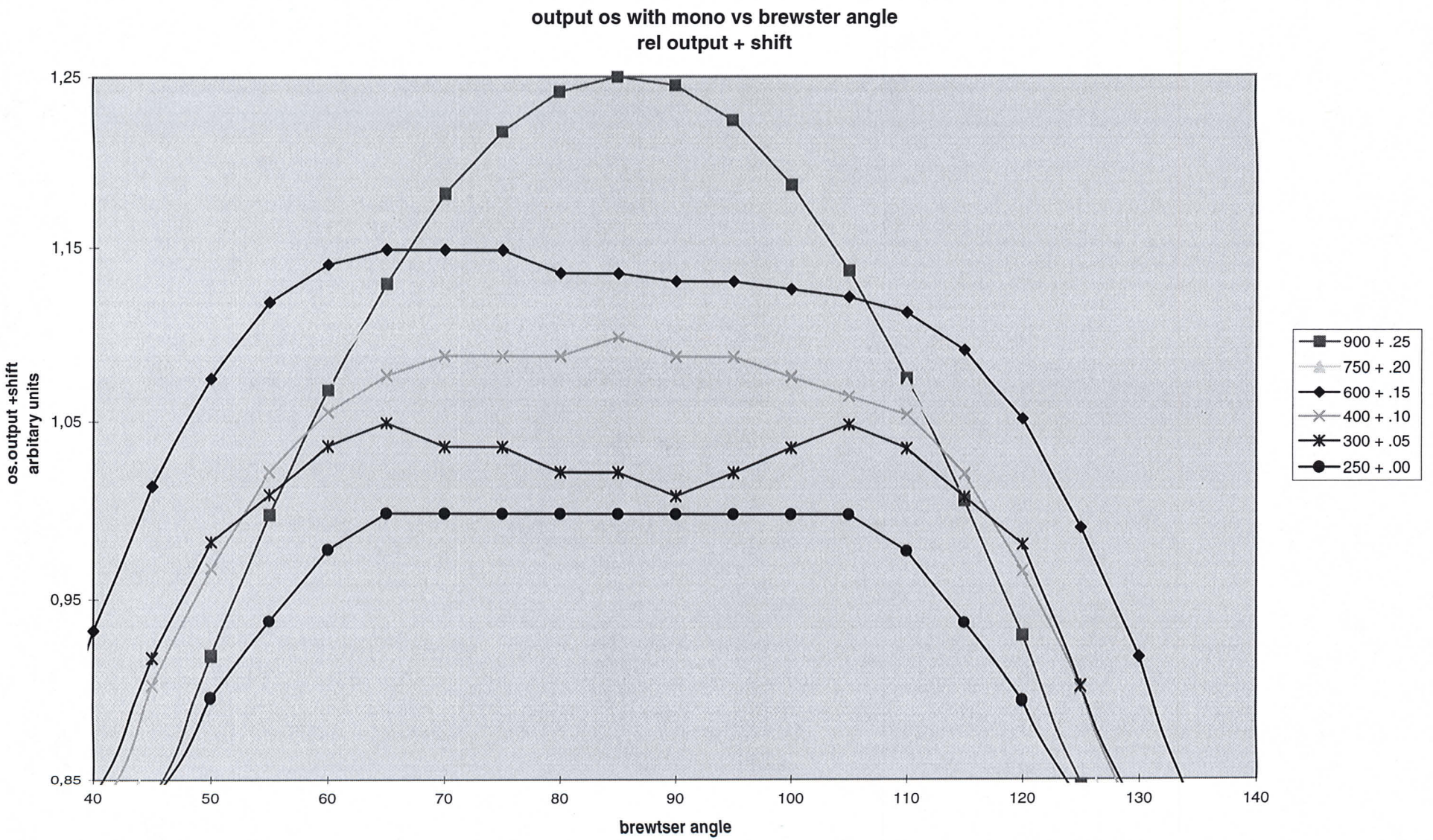
Date/Time	Description of action	Measurement directory
1/9/98	Team 5 na. γSi-10 maar voor. rep. XSi-UV-I stap 14-9 extra metingen uitgevoerd met OS + mono en Xe lamp of QTH tbv. polarisatie commissioning. uitgebreide dan alleen. bw of gouvern op verzoek Marcel en Monrise. → zie op backup PC exel file Monopol γ/s in C:/DATA\polarisatie ~~[illegible]~~ ook data van Team 2 ingevoerd... . Geen verklaring voor afplatten van top bij ~ 85° ??? wie o wie weet ~~[illegible]~~ hoe dit komt. ??? γSi-UV-I stap 14-9 gestart vanwege 3γ repetition. (op state !) zeer lange meting -	


Output os with mono vs brewsterangle
raw data
raw output si detector
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
160
180
brewster angle
900
750
600
400
300
250


Output os with mono vs brewster angle
relative output
relative output
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
20
40
60
80
100
120
140
160
180
brewster angle
900
750
600
400
300
250


Output os with mono vs brewster angle
reloutput + enlarged top
relative output
1,05
1,025
1
0,975
0,95
0,925
0,9
0,875
0,85
40
50
60
70
80
90
100
110
120
130
brewster angle
900
750
600
400
300
250


Output os with mono vs brewsterangle
raw data without 700&900 nm
raw output si detector
brewster angle
0
50
100
150
200
250
0
20
40
60
80
100
120
140
160
180
600
400
300
250


output os with mono vs brewster angle
rel output + shift
os.output +shift
arbitary units
1,25
1,15
1,05
0,95
0,85
40
50
60
70
80
90
100
110
120
130
140
brewtser angle
900 + .25
750 + .20
600 + .15
400 + .10
300 + .05
250 + .00

400mm.

geen dif.

De 300m

224 slit.

↑ exit

	400	300	250
0	0,020	0,022	20
5	0,023	25	21
10	0,028	28	23
15	0,034	34	26
20	0,043	42	31
25	0,052	51	36
30	0,063	59	41
35	0,072	68	47
40	0,081	75	52
45	0,089	81	56
50	0,095	86	59
55	0,100	88	61
60	0,103	0,090	63
65	0,105	91	64
70	0,106	90	64
75	0,106	90	64
80	0,106	89	64
85	0,107	89	64
90	0,106	88	64
95	0,106	89	64
100	0,105	90	64
105	0,104	91	64
110	0,103	90	63
115	0,100	88	61
120	0,095	86	59
125	0,089	0,080	56
130	0,081	74	51
135	72	66	46
140	61	57	41
145	53	48	35
150	41	39	31
155	32	32	27
160	25	25	23
165	21	21	20
170	18	19	18
175	18	19	18
180	0,020	0,021	19

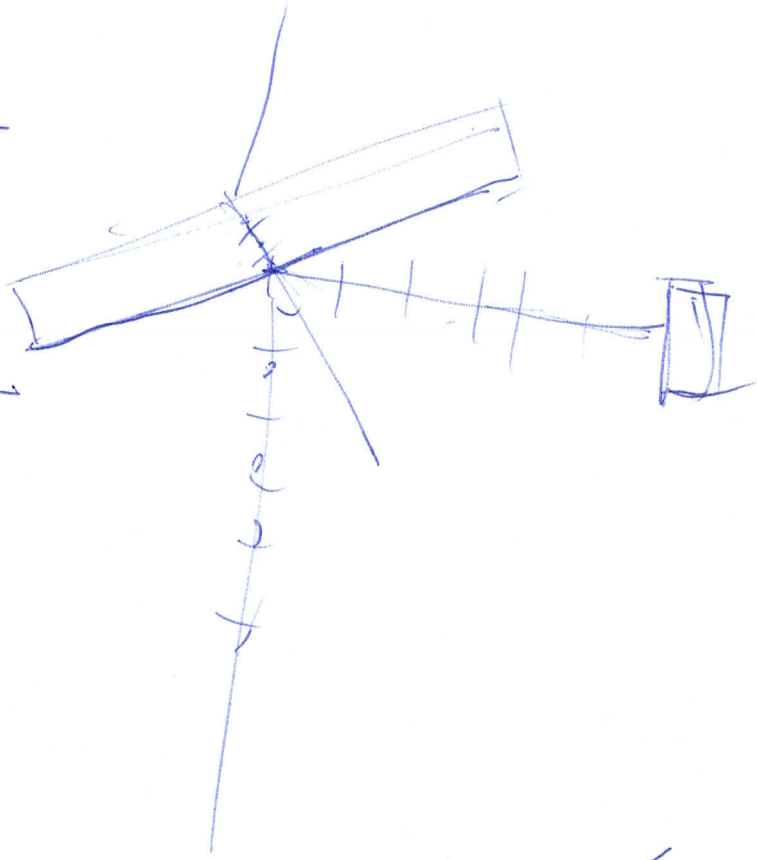
dank 0,016

0,016

16

750 QJH

0	0,096
5	0,187
0	0,400
5	0,727
20	1,266
25	1,758
30	2,288
35	2,840
40	3,383
45	3,898
50	4,359
55	4,766
60	5,101
65	5,370
70	5,572
75	5,713
80	5,792
85	5,816
90	5,783
95	5,697
100	5,554
105	5,353
110	5,088
115	4,758
120	4,365
125	3,914
130	3,417
135	2,885
140	2,345
145	1,812
150	1,317
155	0,882
160	0,539
165	0,183
170	0,071
175	0,091
180	0,239



stils varandrad 1 b.v. 400 mm

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
1-9	Xi-10 reproducibility * problems with month-change and raw 2.ltf file with date 31.08 renamed to 0009 * light and dark seems ok * both dark currents are identical * ~~xxx~~ PMD-1 and xi for PMD-1 seems ok	

Formal Run of Measurement (Measurement ID) XI-1

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	+45.000	deg
Elevation	-45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	17									
Repetitions	3									

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	64	1						
2a	64	1						
3	0.5	64						
4	64	1						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

1 UV diff.
Step 14.9
UID10
nº 2

→ log shows 32, 2
Signal oké Max = 2,75.10

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	1	0	85.4	close	1	240	240	0	5	DU1	50
2	1	0	85.4	open	1	240	240	0	1	MP~	8
3	1	0	85.4	open	1	242	410	2	1	MP~	3
4	1	0	85.4	close	1	410	410	0	5	DU2	8

Measurement Data Description

Test Purpose	
Remark	UID10
Data Directory	0243_23.45.31_XI_1

Signatures

	Date	Signature
Issued		
< Performed	1-8	[signature] 23.147

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 1-9-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0243_23.45.31-X1_1 (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	Marion Stoppelenburg
Date and time	01-09-98 6:50
Signature	M. Stopp

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion 01-09-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat) scia_01091998_01482130q.eq dat		(A)
	Setup a three-window configuration on your SUN.		see course descr.

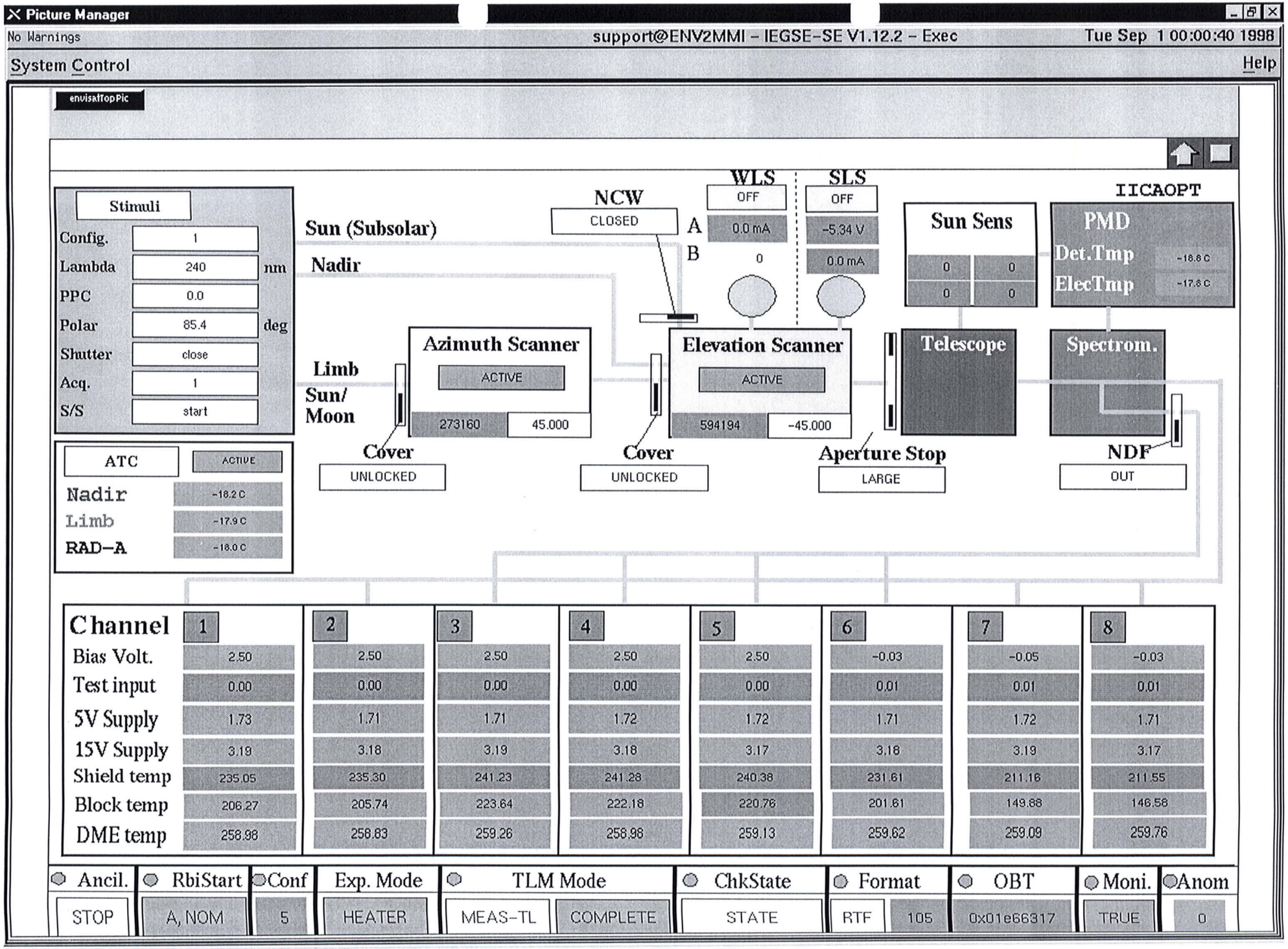
Cnstr directory	`cd ~/DATA-DIR/XSI-UV-I/ ;`
	`ls -l`
	highest number in directory?
	New directory: `mkdir <B+1>`
	`ls -l`
	What's now the highest number in directory?
	<C> should be <B> + 1
	directory name is:
		6
		
		7a
		(Y) N
		~/DATA-DIR/XSI-UV-I/<C>
			Note: In window DATA-DIR
			(B)
			
			(C)
			
			(DIR-NAME)

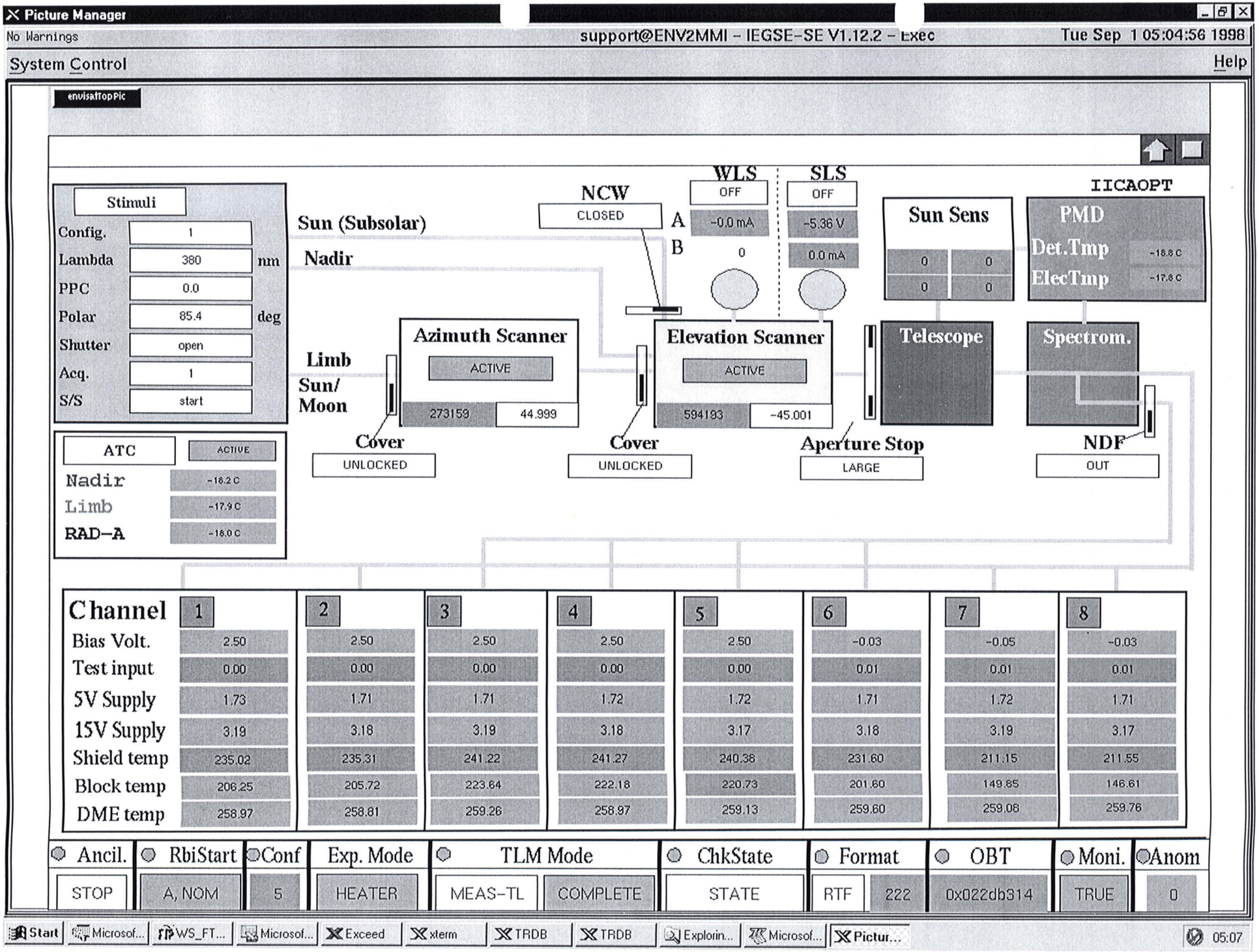
Copy data	See Analysis sheet: Transfer Data File	(Y) N	In DATA-DIR window
Cnstr EGSE_LTF	* first dat file dated 31-8 renamed to 00-q `cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf` What's the name of the egse_ltf file scia_00091998_01482130q <D> should be <A>.egse_ltf (Y) (N) zie *		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
Cnstr CAL files	`idl run_fastaverscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.cal` size: Monochromator ouput:	 146 kb	In DATA-DIR Window should be approx 150Kb

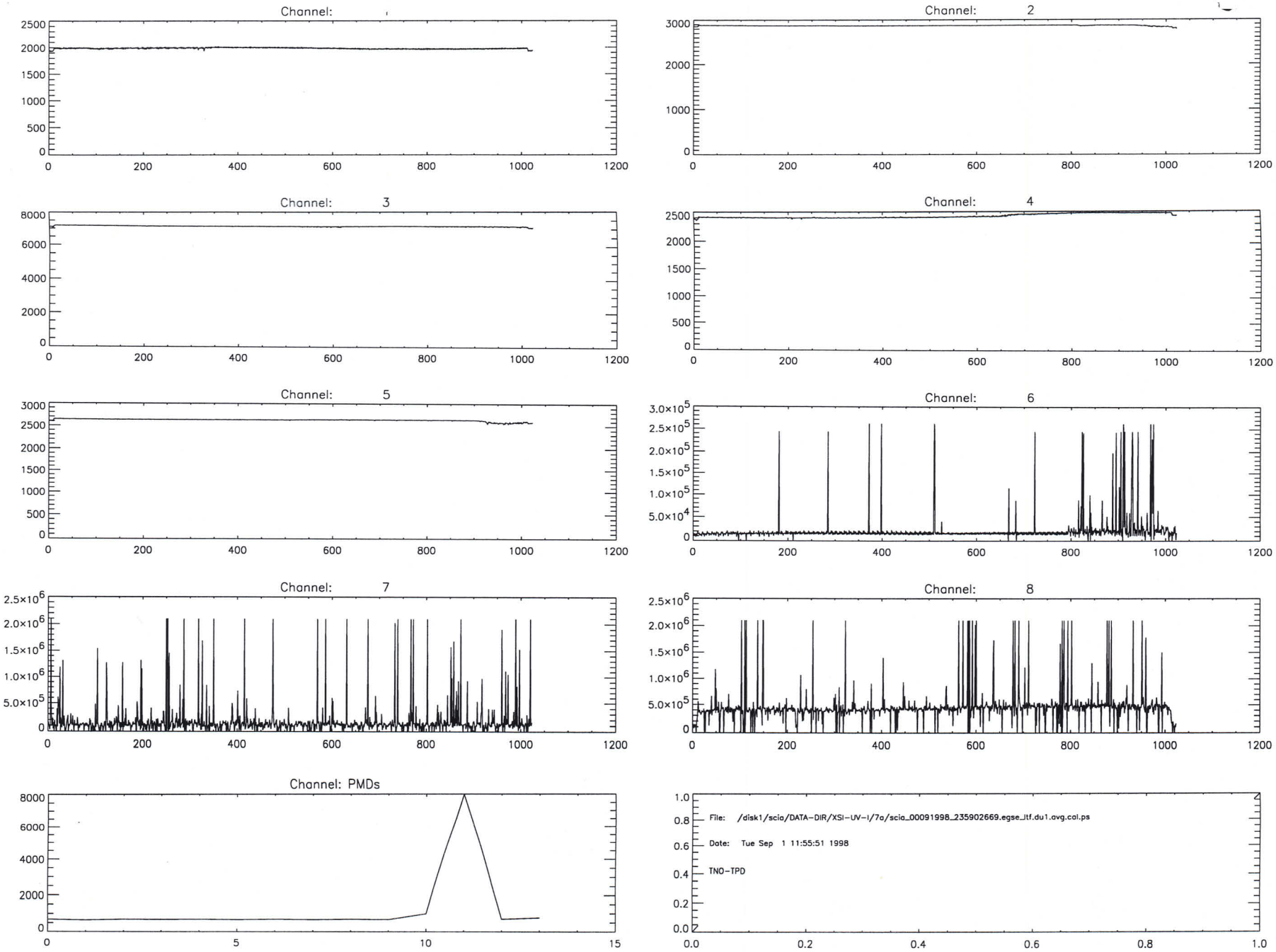
	Add `control-file` to logbook, done	Y / N	
Run XSI	`idl do_xsi`		In IDL window
Check XSI	`ls -l *.data` Size of file `<D>.du*.cal.data`	37 kb	In DATA-DIR window
Check XSI visually	`idl do_xsi_processing`		In IDL window
	`lpr -P<printer> *.data.ps` Value of XSI resembles expected XSI (see [Predicted PFMcalibration results])?	Y / N	In DATA-DIR window
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.data.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	Marion Stoppelenburg	
	Date and time	01-09-98 11:50	
	Signature	M.Stopp	

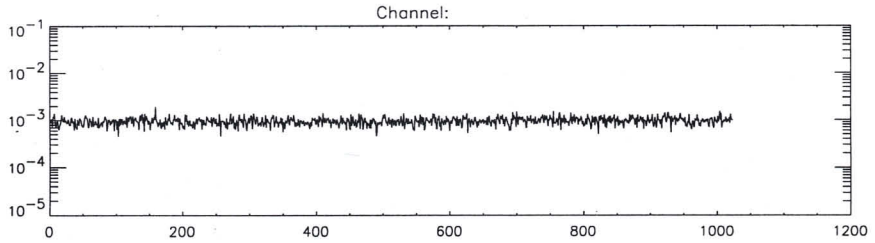
LOG SHEET SCHIAMACHY CALIBRATION

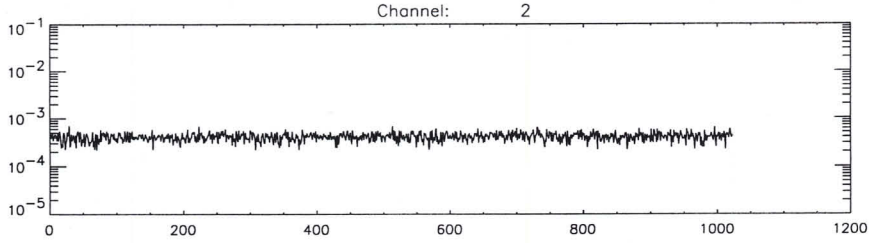
Date/Time	Description of action	Measurement directory
7/9/98	02:00. XSI - IR - III beëindigd en geanalyseerd	/XSI-IR-III/5.
	do_xsi_combine gedaan	/XSI-IR-I/6
	XSI_ambient nog niet mogelijk, XSI_combine van UV nog niet gedaan	
	do_xsi_combine van XSI-UV gedaan.	/XSI-UV-I/4.
	XSI_ambient uitgevoerd	/XSI-Ambient/I
	↳ fout by eerste opdracht? (in Analyse sheet)	
7/9/98	XSI-UV-I opnieuw opgestart voor reproduceerbaarheid.	
	let op: in planning staat state id 3x Repetitions. meting duurt hierdoor ± 30 uur	

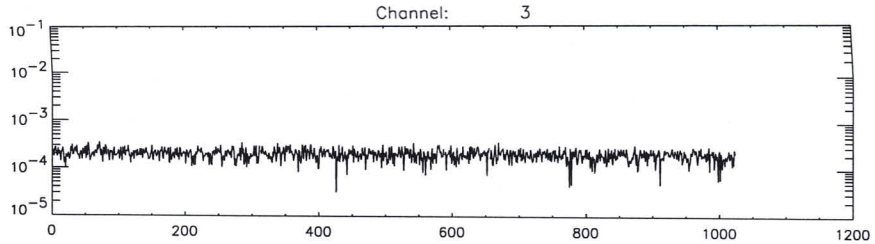

Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Sep 1 00:00:40 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 240 nm
PPC 0.0
Polar 85.4 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A 0.0 mA
B 0
SLS
OFF
-5.34 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.8 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 235.05 235.30 241.23 241.28 240.38 231.61 211.16 211.55
Block temp 206.27 205.74 223.64 222.18 220.76 201.61 149.88 146.58
DME temp 258.98 258.83 259.26 258.98 259.13 259.62 259.09 259.76
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 105
OBT 0x01e66317
Moni. TRUE
Anom 0

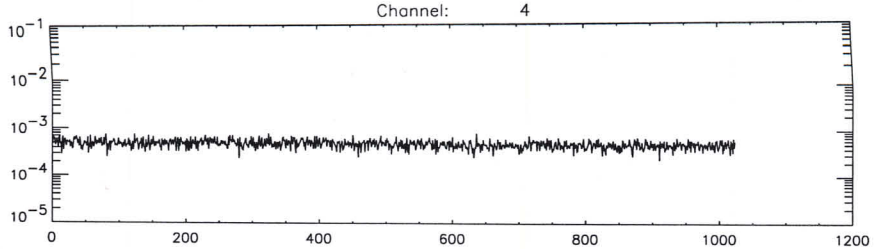

Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Sep 1 05:04:56 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 380 nm
PPC 0.0
Polar 85.4 deg
Shutter open
Acq. 1
S/S start
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.36 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.8 C
ElecTmp -17.8 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 235.02 235.31 241.22 241.27 240.38 231.60 211.15 211.55
Block temp 206.25 205.72 223.64 222.18 220.73 201.60 149.85 146.61
DME temp 258.97 258.81 259.26 258.97 259.13 259.60 259.08 259.76
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 222
OBT 0x022db314
Moni. TRUE
Anom 0
Start
Microsof...
WS_FT...
Microsof...
Exceed
xterm
TRDB
TRDB
Explorin...
Microsof...
Pictur...
05:07

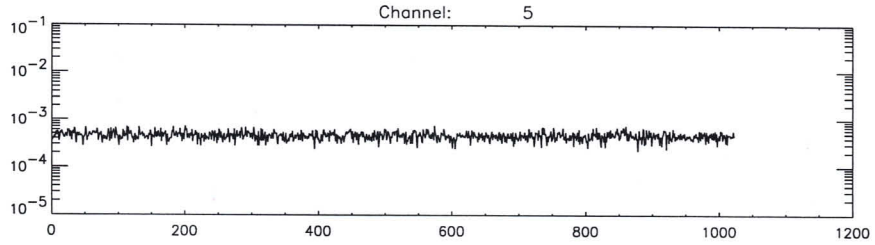

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_jtf.du1.avg.cal.ps
Date: Tue Sep 1 11:55:51 1998
TNO-TPD

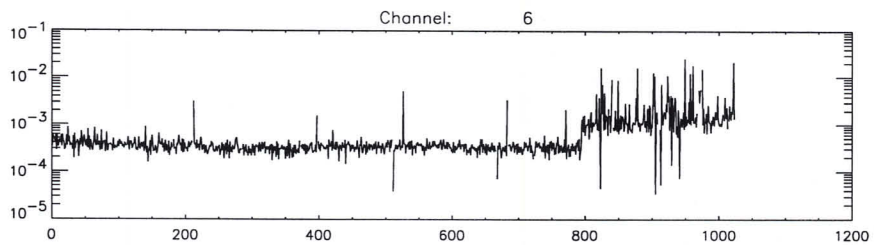

Channel:

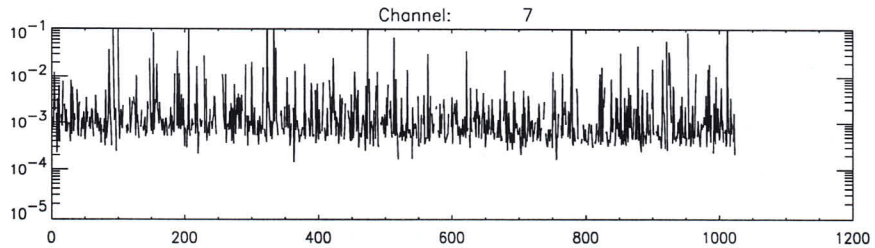

Channel: 2

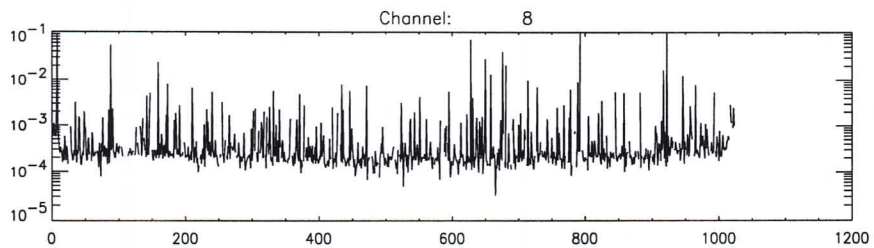

Channel: 3

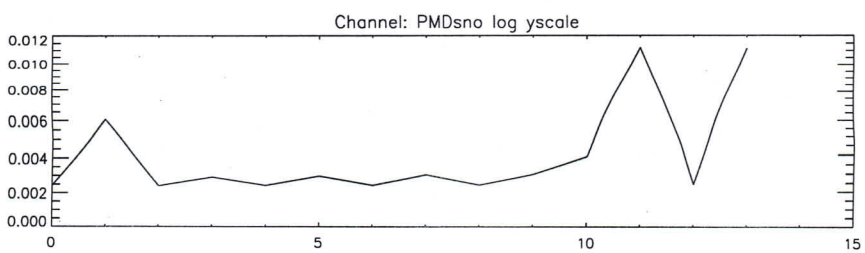

Channel: 4

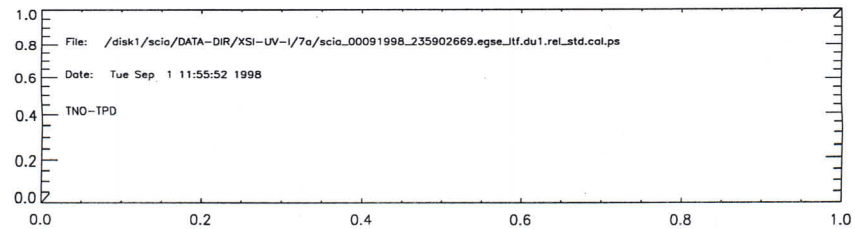

Channel: 5

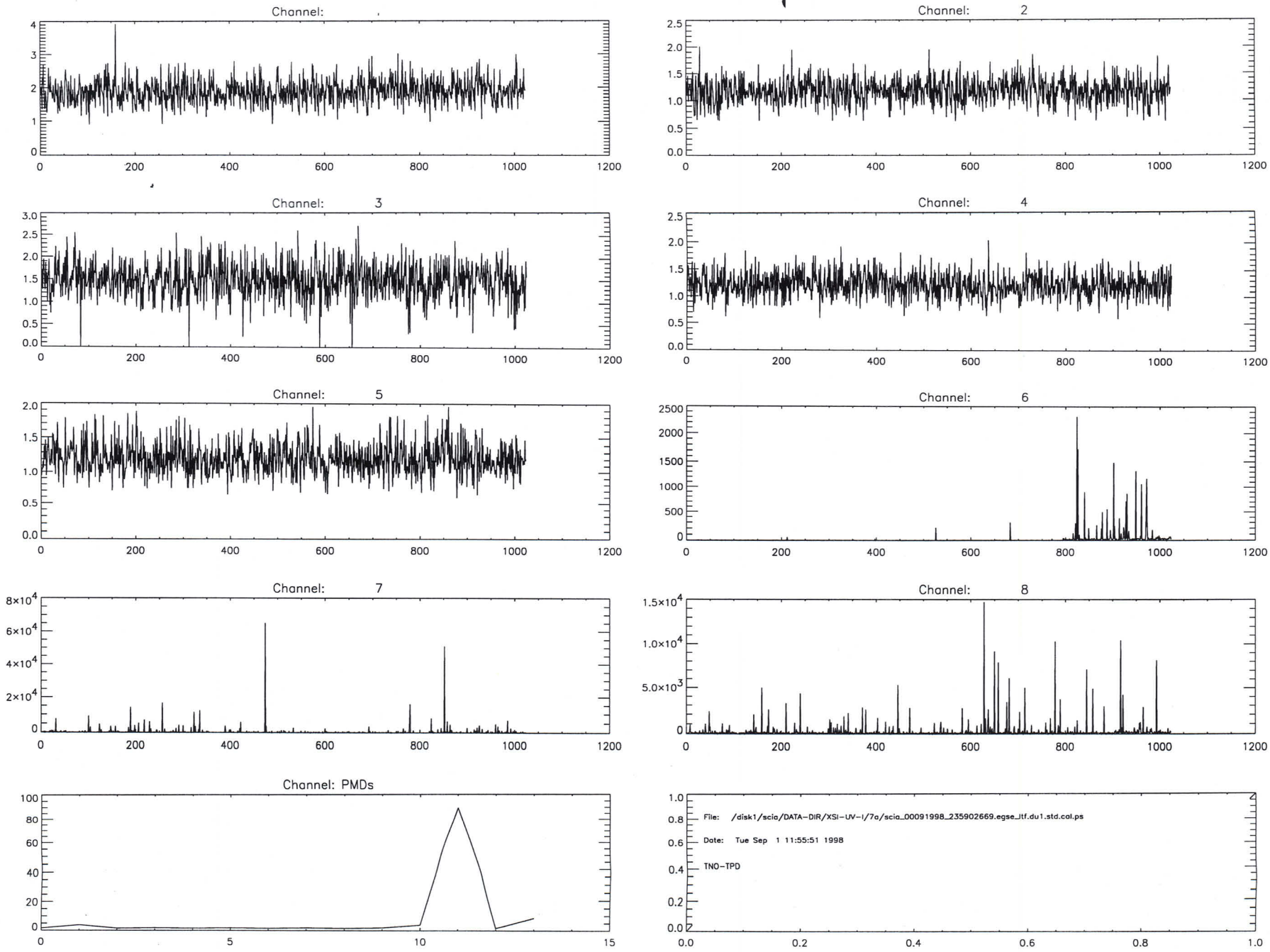

Channel: 6

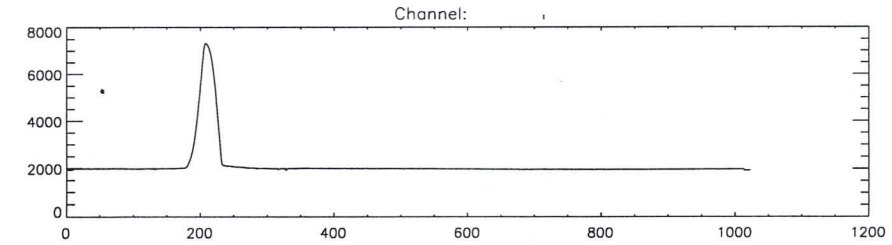

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_itf.du1.rel_std.col.ps
Date: Tue Sep 1 11:55:52 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/XSI-UV-1/7a/scia_00091998_235902669.egse_itf.du1.std.cal.ps
Date: Tue Sep 1 11:55:51 1998
TNO-TPD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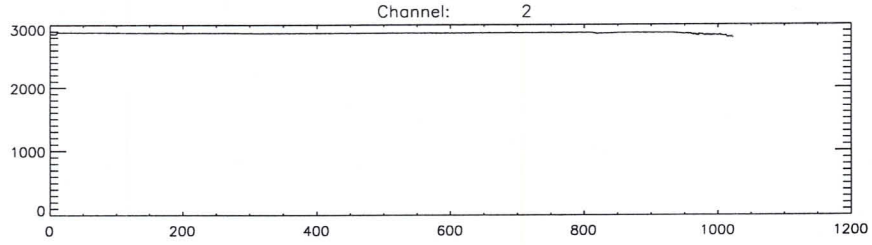
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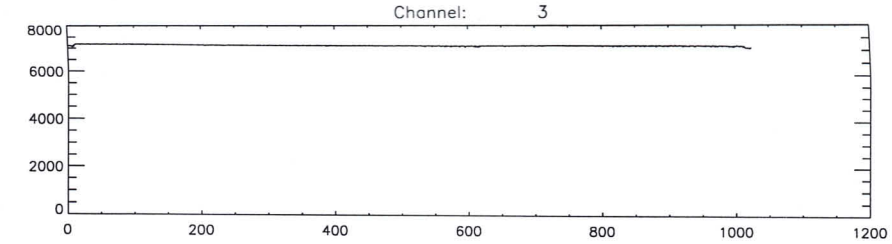
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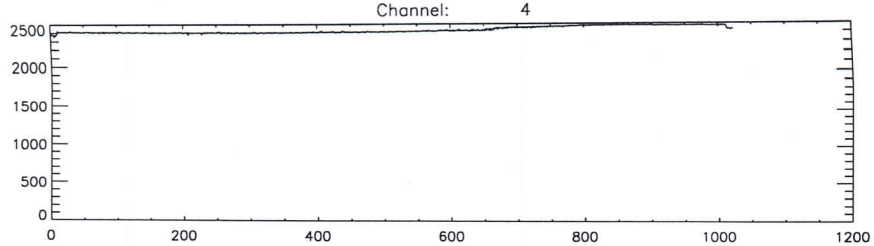
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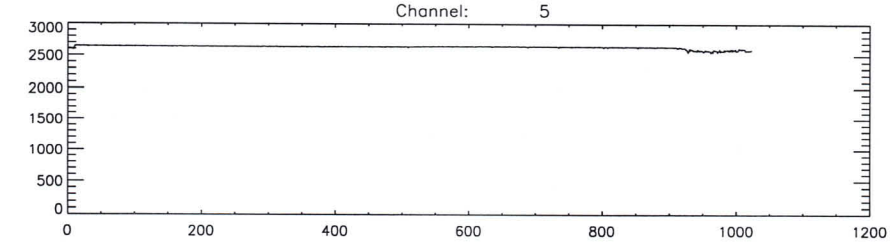
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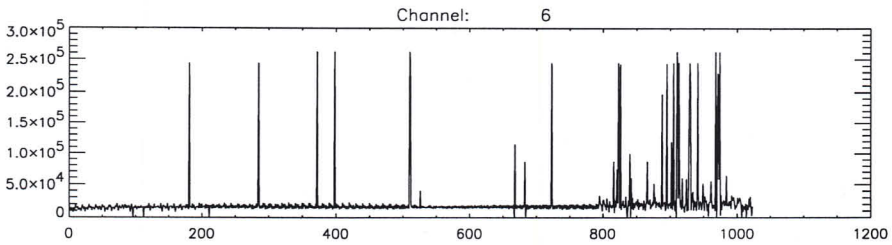
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2.0x10^5
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5.0x10^4
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0
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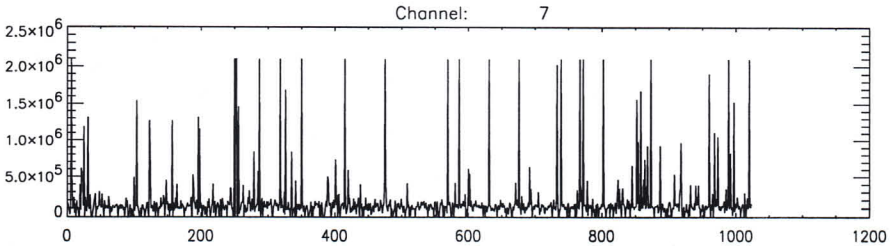
600
800
1000
1200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600
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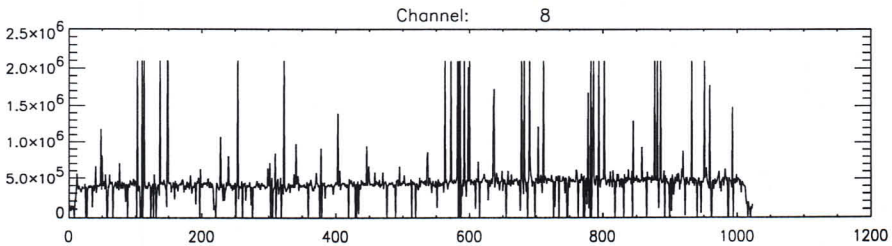
1000
1200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1.5x10^6
1.0x10^6
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1000
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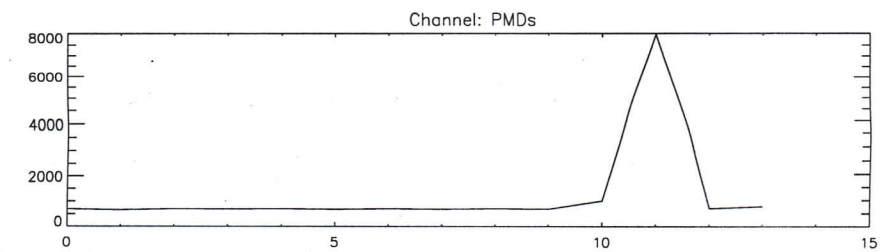
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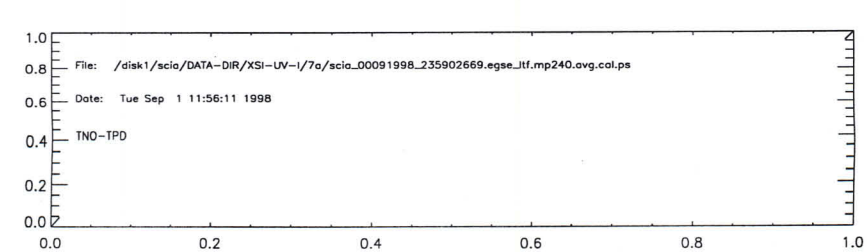
10
15


File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.mp240.avg.cal.ps
Date: Tue Sep 1 11:56:11 1998
TNO-TPD
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0.4
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0.0
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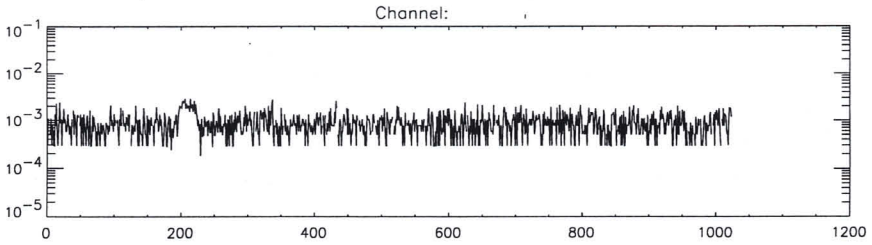
0.2
0.4
0.6
0.8
1.0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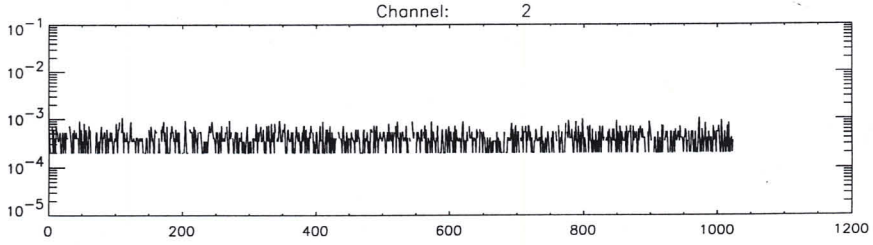
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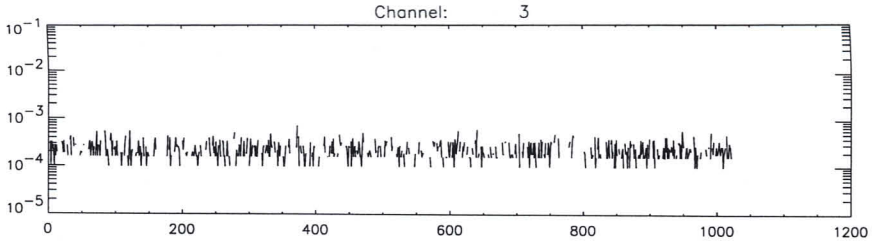
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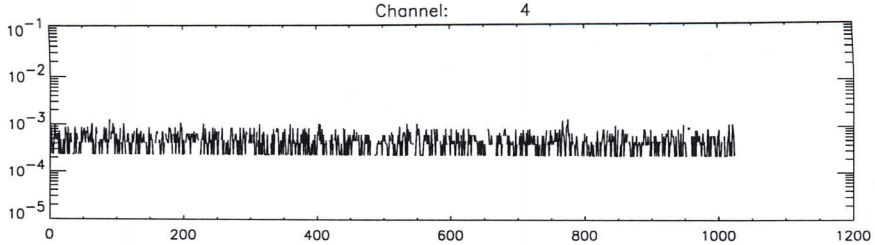
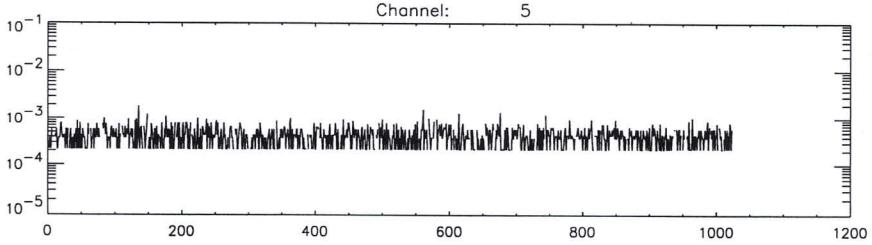

Channel: 4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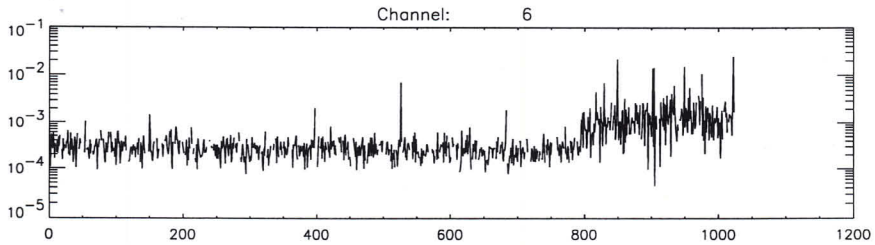
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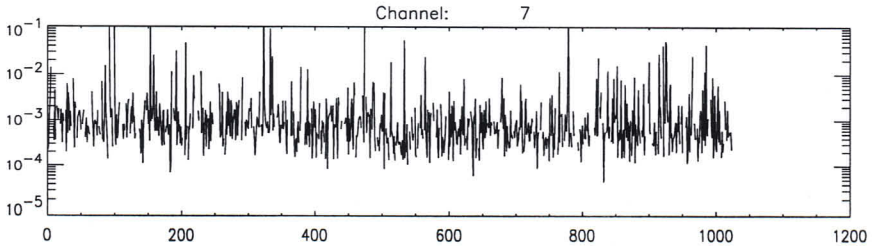
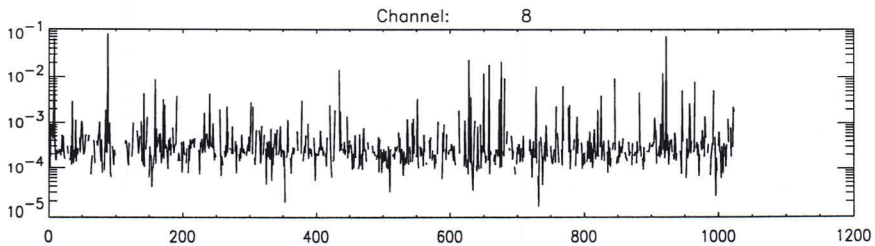
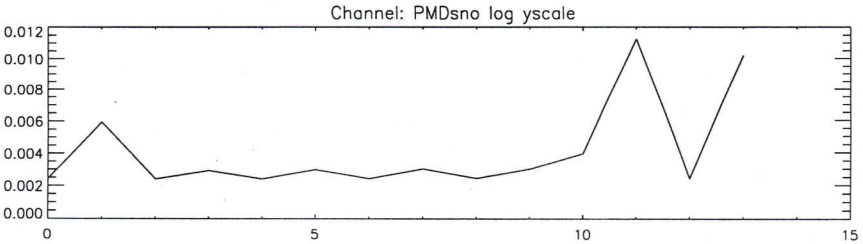
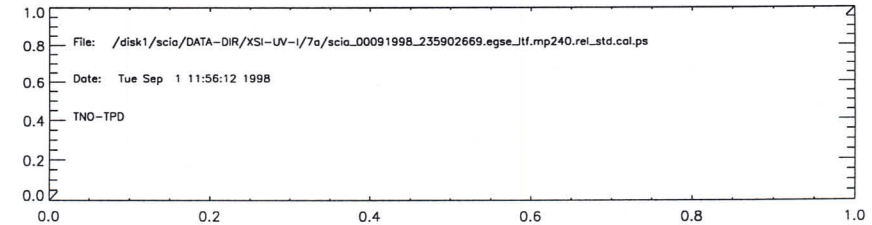

Channel: 7


Channel: 8


Channel: PMDsno log yscale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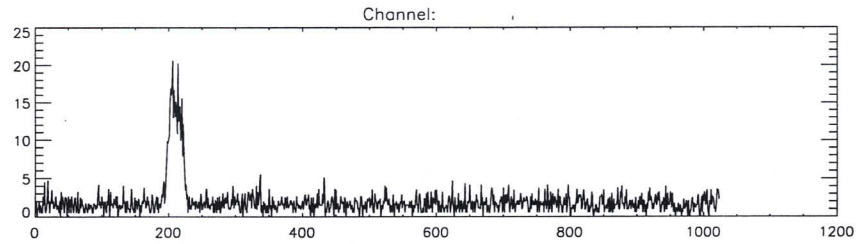
Date: Tue Sep 1 11:56:12 1998
TNO-TPD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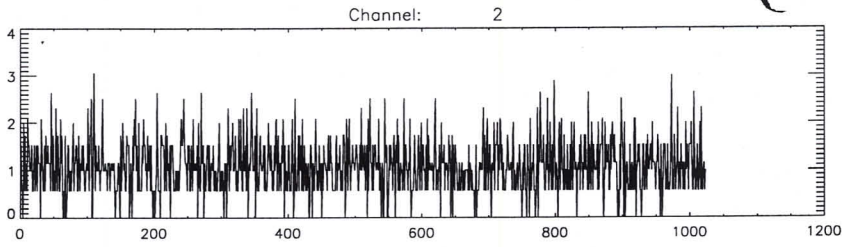
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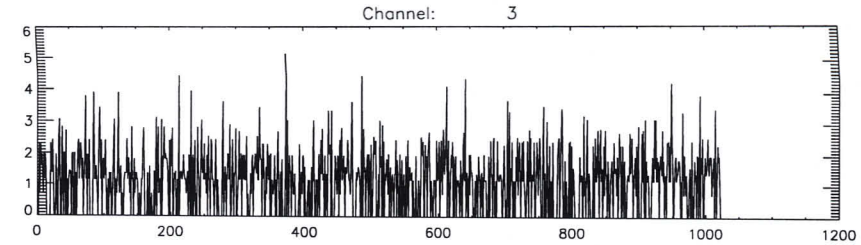
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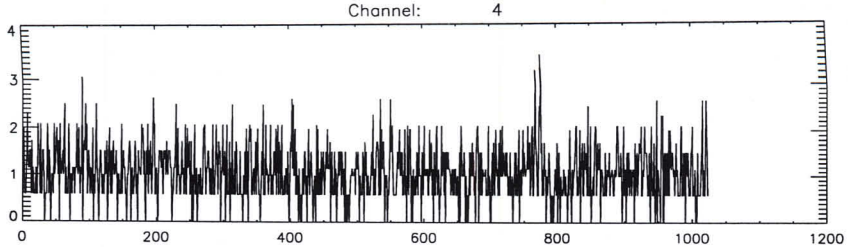
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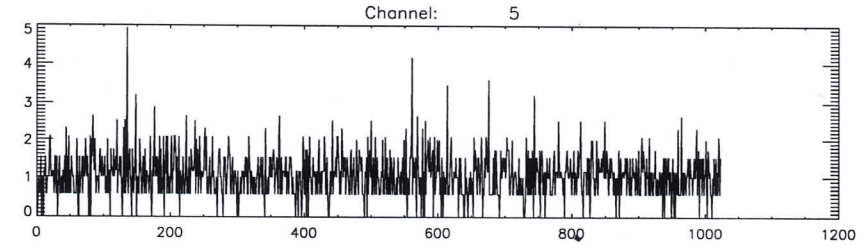
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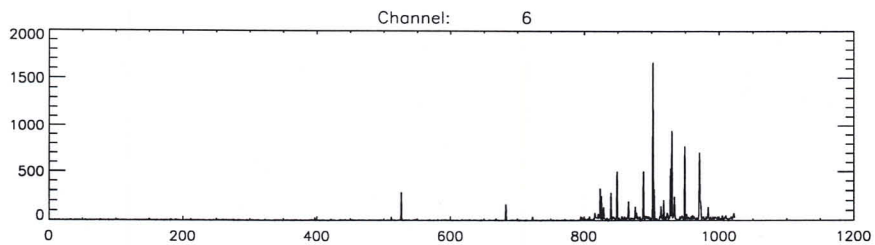
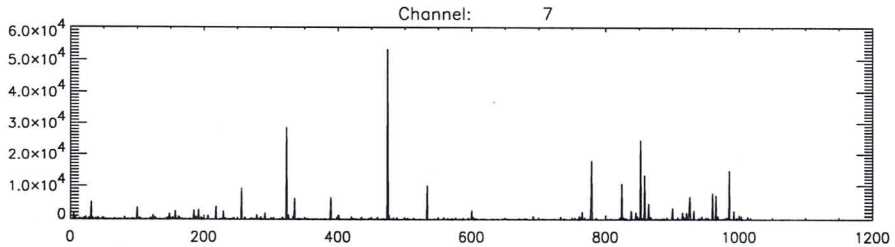

Channel: 6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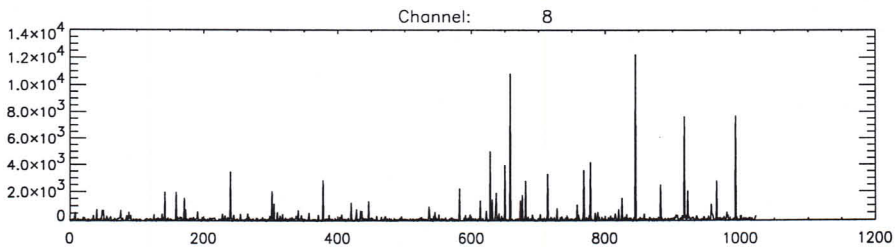
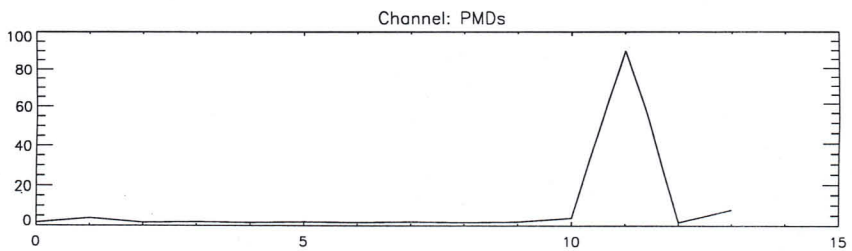
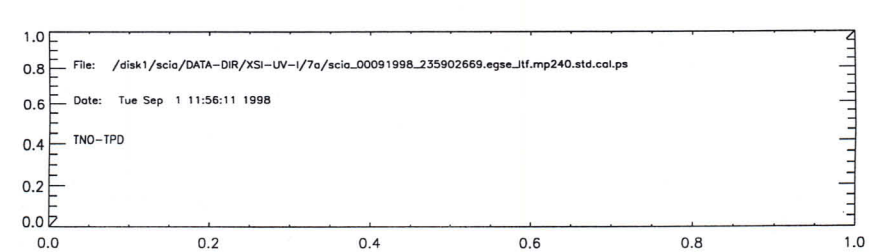
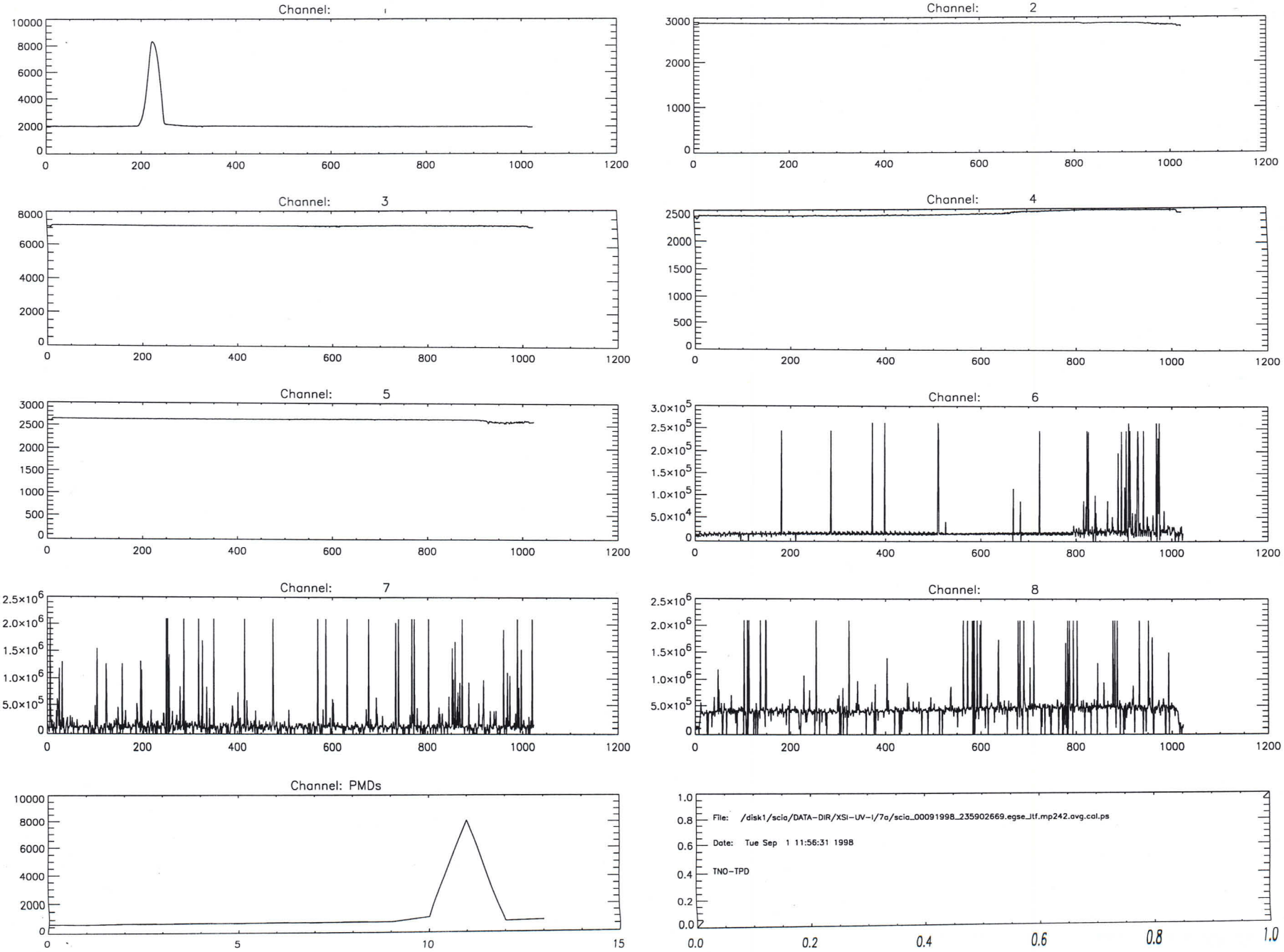

Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_itf.mp240.std.cal.ps
Date: Tue Sep 1 11:56:11 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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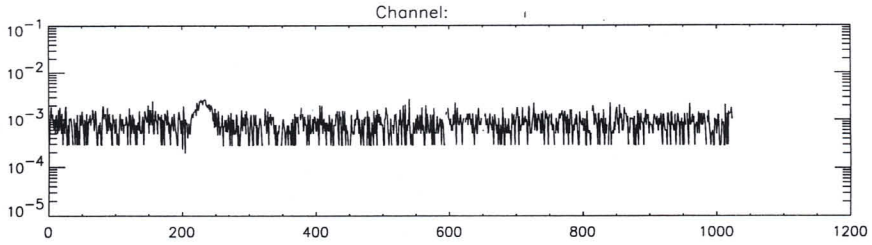
Date: Tue Sep 1 11:56:31 1998
TNO-TPD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10^{-4}
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1000
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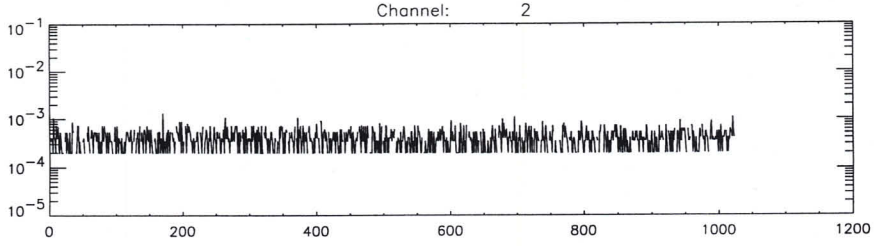
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10^{-4}
10^{-5}
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1000
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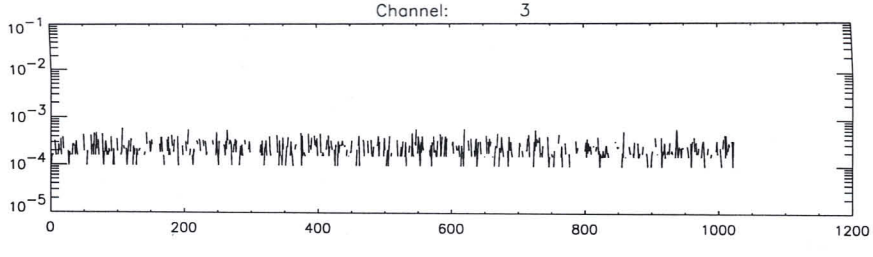
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10^{-3}
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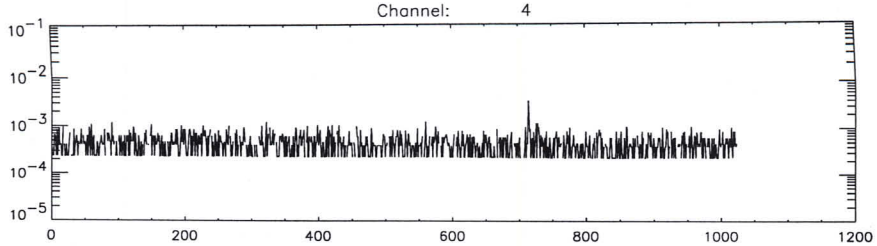
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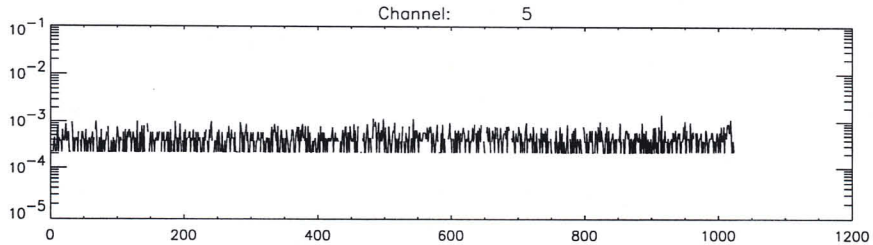
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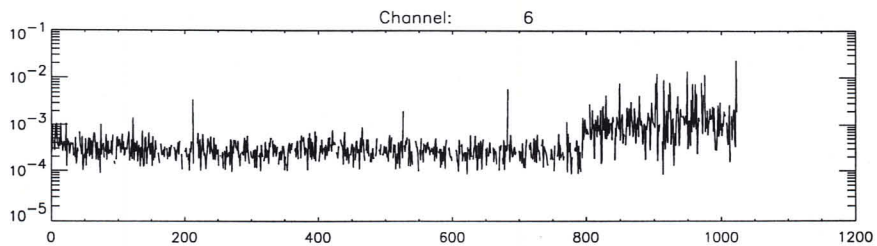
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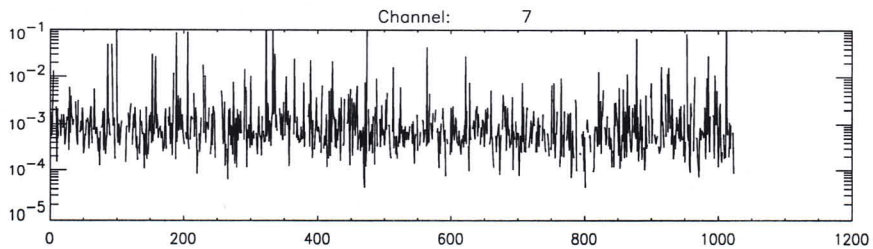
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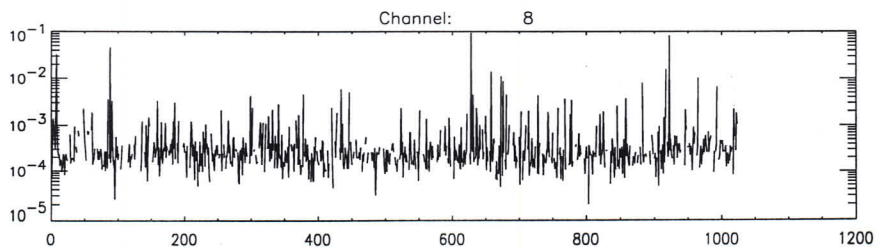
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10^{-3}
10^{-4}
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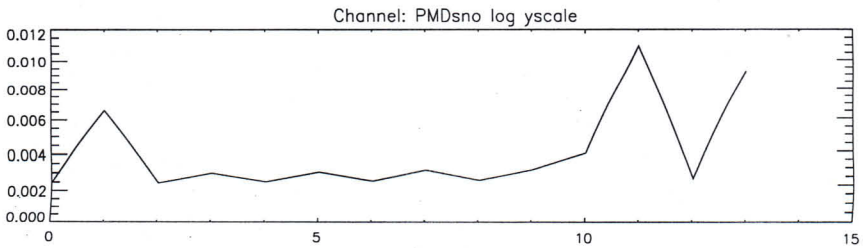
600
800
1000
1200


Channel: PMDsno log yscale
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0.002
0.000
0
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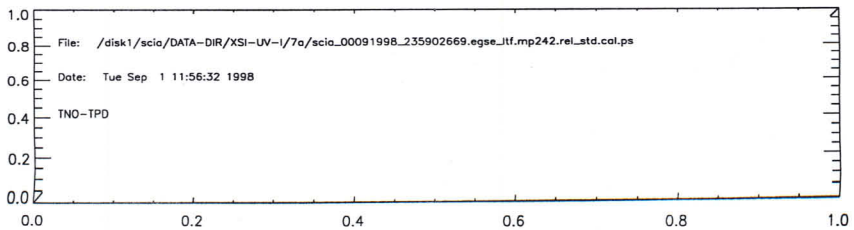
10
15


File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_itf.mp242.rel_std.cal.ps
Date: Tue Sep 1 11:56:32 1998
TNO-TPD
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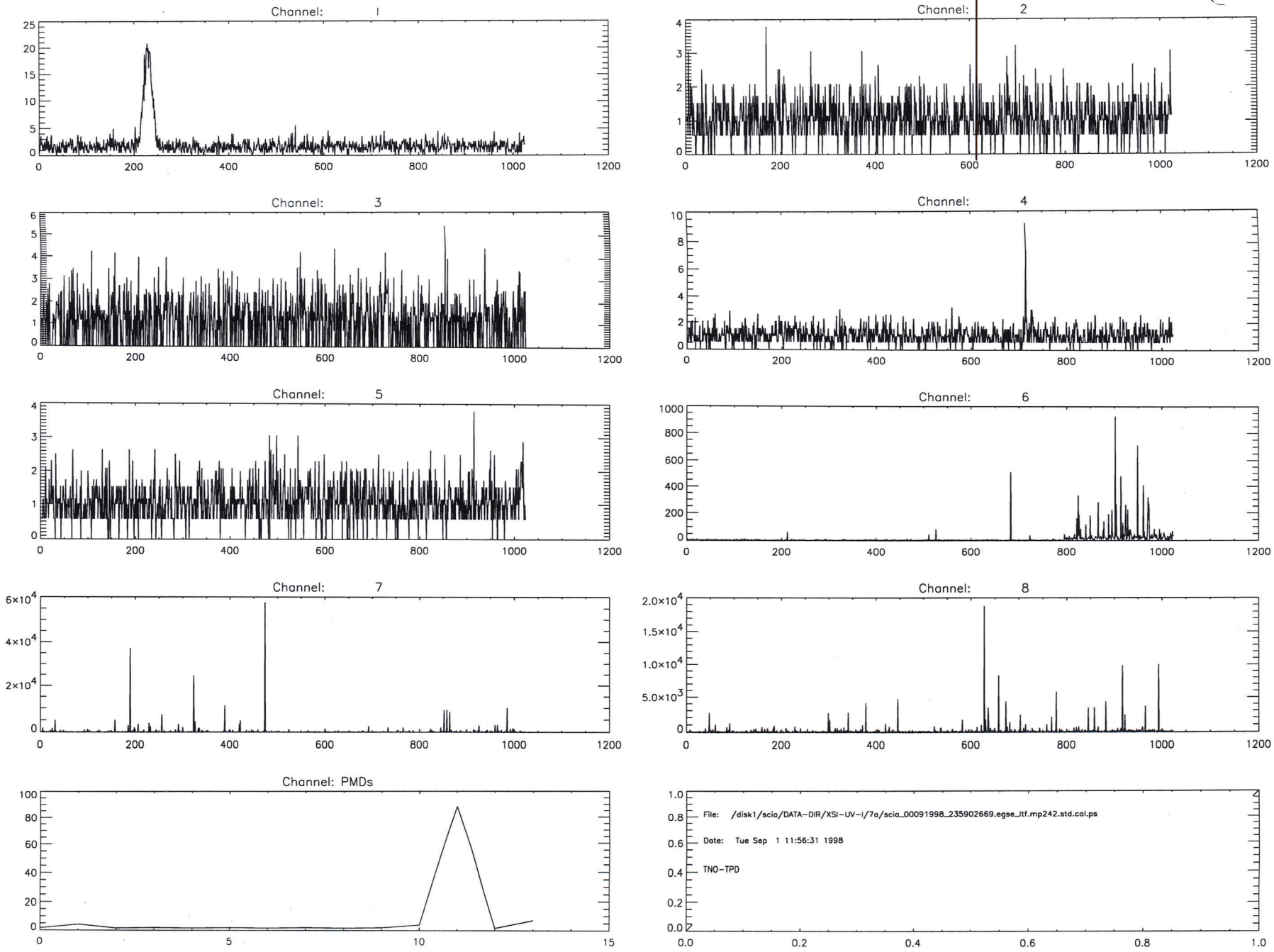
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.mp242.std.cal.ps
Date: Tue Sep 1 11:56:31 1998
TNO-TPD

```
230 325 scia_00091998_235902669.egse_ltf.du1.avg.cal
325 420 scia_00091998_235902669.egse_ltf.du2.avg.cal
```

```
time       = Tue Sep  1 11:55:52 1998
batch      = du1
Start TOD  = Tue 01-Sep-98 00:00:01
End   TOD  = Tue 01-Sep-98 00:23:20
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:25:18 1998
batch      = du2
Start TOD  = Tue 01-Sep-98 06:07:37
End   TOD  = Tue 01-Sep-98 06:27:06
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:56:12 1998
batch      = mp240
Start TOD  = Tue 01-Sep-98 00:23:20
End   TOD  = Tue 01-Sep-98 00:27:32
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:56:32 1998
batch      = mp242
Start TOD  = Tue 01-Sep-98 00:27:32
End   TOD  = Tue 01-Sep-98 00:31:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:56:50 1998
batch      = mp244
Start TOD  = Tue 01-Sep-98 00:31:31
End   TOD  = Tue 01-Sep-98 00:35:32
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:57:09 1998
batch      = mp246
Start TOD = Tue 01-Sep-98 00:35:32
End   TOD = Tue 01-Sep-98 00:39:30
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:57:27 1998
batch      = mp248
Start TOD  = Tue 01-Sep-98 00:39:30
End   TOD  = Tue 01-Sep-98 00:43:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:57:45 1998
batch      = mp250
Start TOD  = Tue 01-Sep-98 00:43:31
End   TOD  = Tue 01-Sep-98 00:47:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:58:04 1998
batch      = mp252
Start TOD  = Tue 01-Sep-98 00:47:31
E   TOD    = Tue 01-Sep-98 00:51:32
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:58:22 1998
batch      = mp254
Start TOD  = Tue 01-Sep-98 00:51:32
End   TOD  = Tue 01-Sep-98 00:55:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:58:41 1998
batch      = mp256
Start TOD  = Tue 01-Sep-98 00:55:31
End   TOD  = Tue 01-Sep-98 00:59:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:59:00 1998
batch      = mp258
Start TOD  = Tue 01-Sep-98 00:59:31
E   TOD    = Tue 01-Sep-98 01:03:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:59:19 1998
batch      = mp260
Start TOD  = Tue 01-Sep-98 01:03:31
E l   TOD  = Tue 01-Sep-98 01:07:30
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:59:37 1998
batch      = mp262
Start TOD  = Tue 01-Sep-98 01:07:30
End   TOD  = Tue 01-Sep-98 01:11:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 11:59:56 1998
batch      = mp264
Start TOD  = Tue 01-Sep-98 01:11:31
End   TOD  = Tue 01-Sep-98 01:15:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:00:14 1998
batch      = mp266
Start TOD  = Tue 01-Sep-98 01:15:31
End   TOD  = Tue 01-Sep-98 01:19:30
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:00:32 1998
batch      = mp268
Start TOD  = Tue 01-Sep-98 01:19:30
F ]   TOD  = Tue 01-Sep-98 01:23:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:00:51 1998
batch      = mp270
Start TOD  = Tue 01-Sep-98 01:23:31
End   TOD  = Tue 01-Sep-98 01:27:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:01:09 1998
batch      = mp272
Start TOD  = Tue 01-Sep-98 01:27:33
E l   TOD  = Tue 01-Sep-98 01:31:31
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:01:28 1998
batch      = mp274
Start TOD  = Tue 01-Sep-98 01:31:31
F  l   TOD = Tue 01-Sep-98 01:35:32
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Tue Sep  1 12:01:47 1998
batch      = mp276
Start TOD  = Tue 01-Sep-98 01:35:32
End   TOD  = Tue 01-Sep-98 01:39:30
Processing= computation of average, standard dev. and rel.standard dev.
```

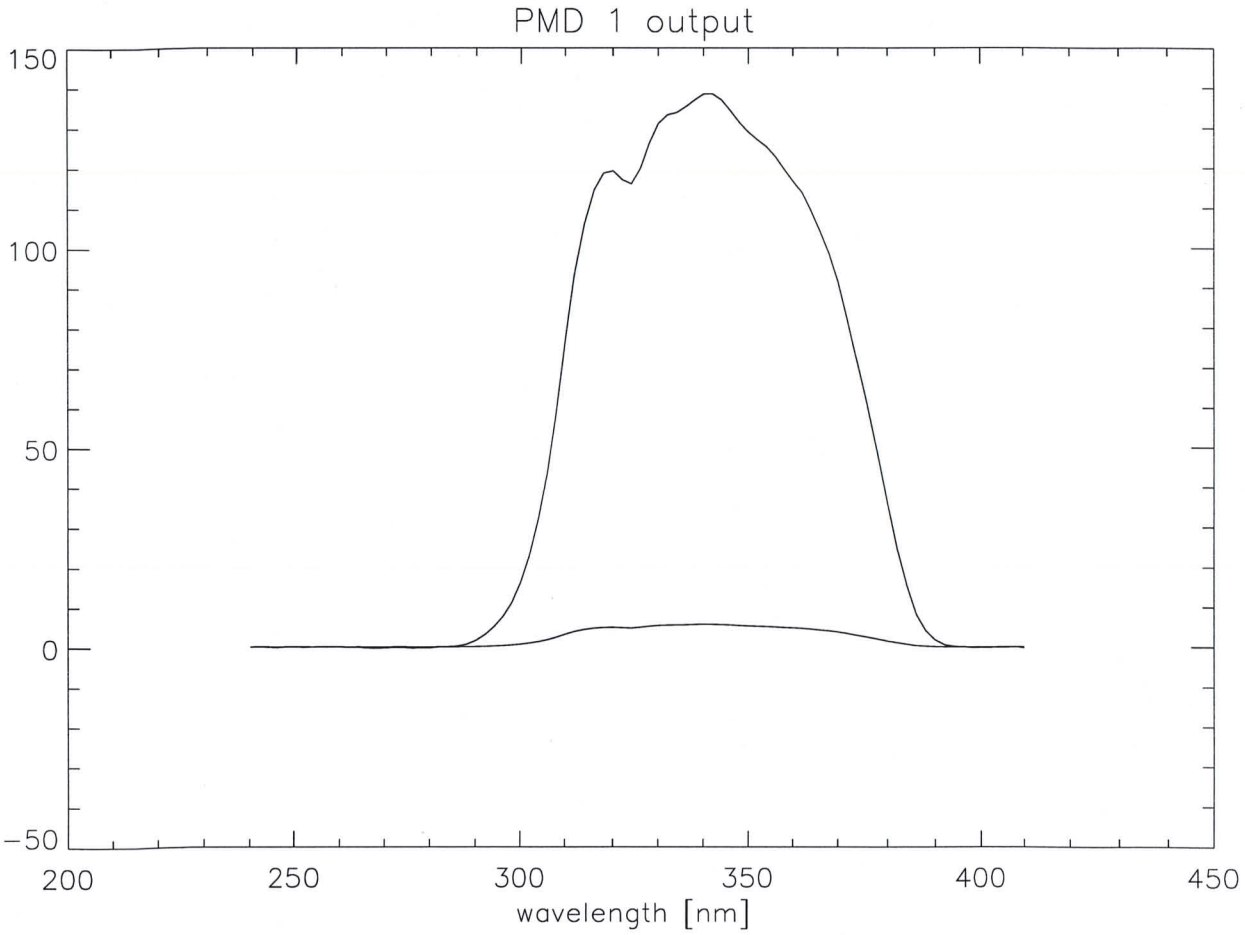
```
time       = Tue Sep  1 12:02:05 1998
batch      = mp278
Start TOD  = Tue 01-Sep-98 01:39:30
End   TOD  = Tue 01-Sep-98 01:43:31
Processing= computation of average, standard dev. and rel.standard dev.
```

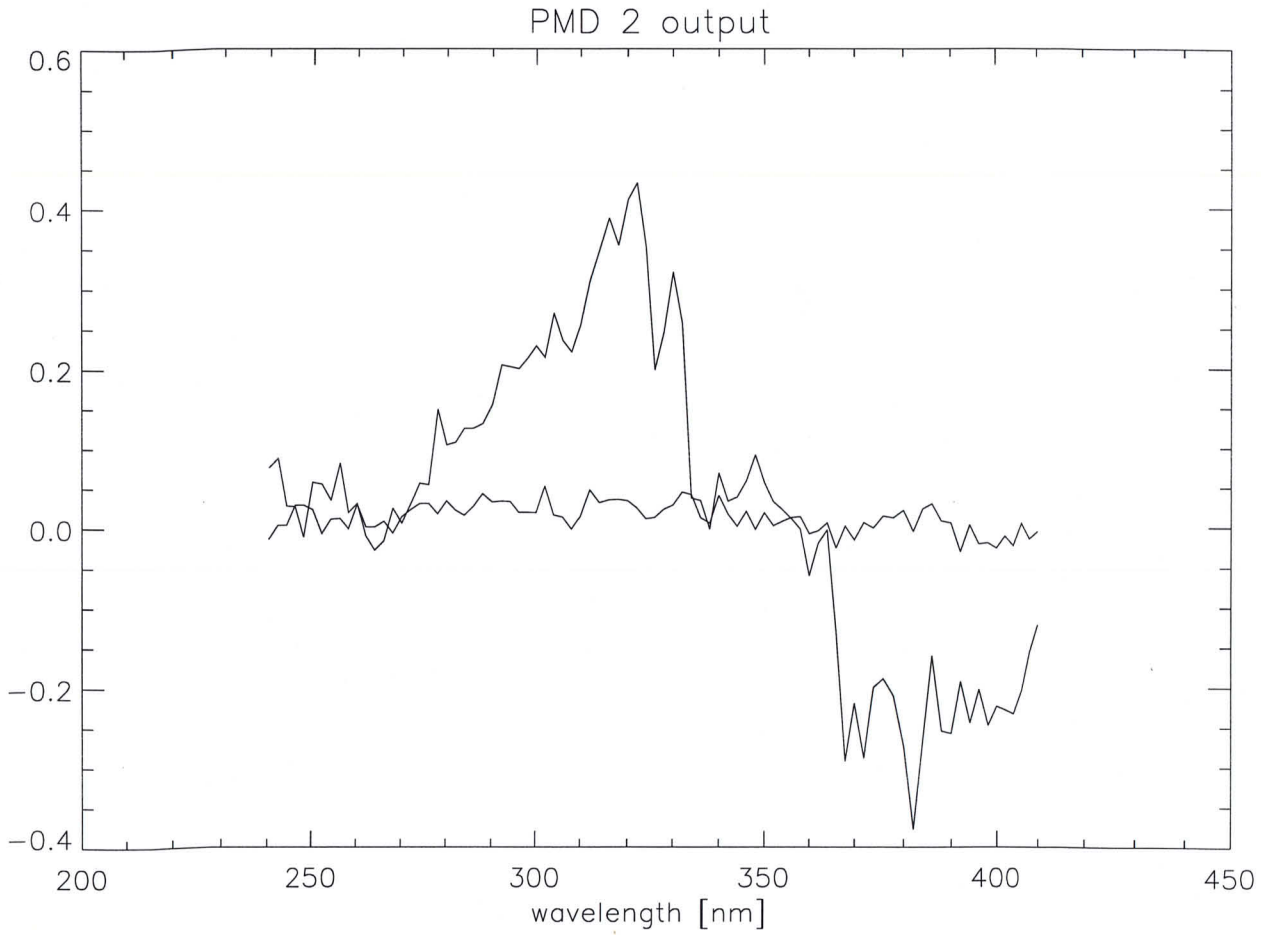
```
time       = Tue Sep   1 12:02:24 1998
batch      = mp280
Start TOD  = Tue 01-Sep-98 01:43:31
End   TOD  = Tue 01-Sep-98 01:47:32
Processing= computation of average, standard dev. and rel.standard dev.
```

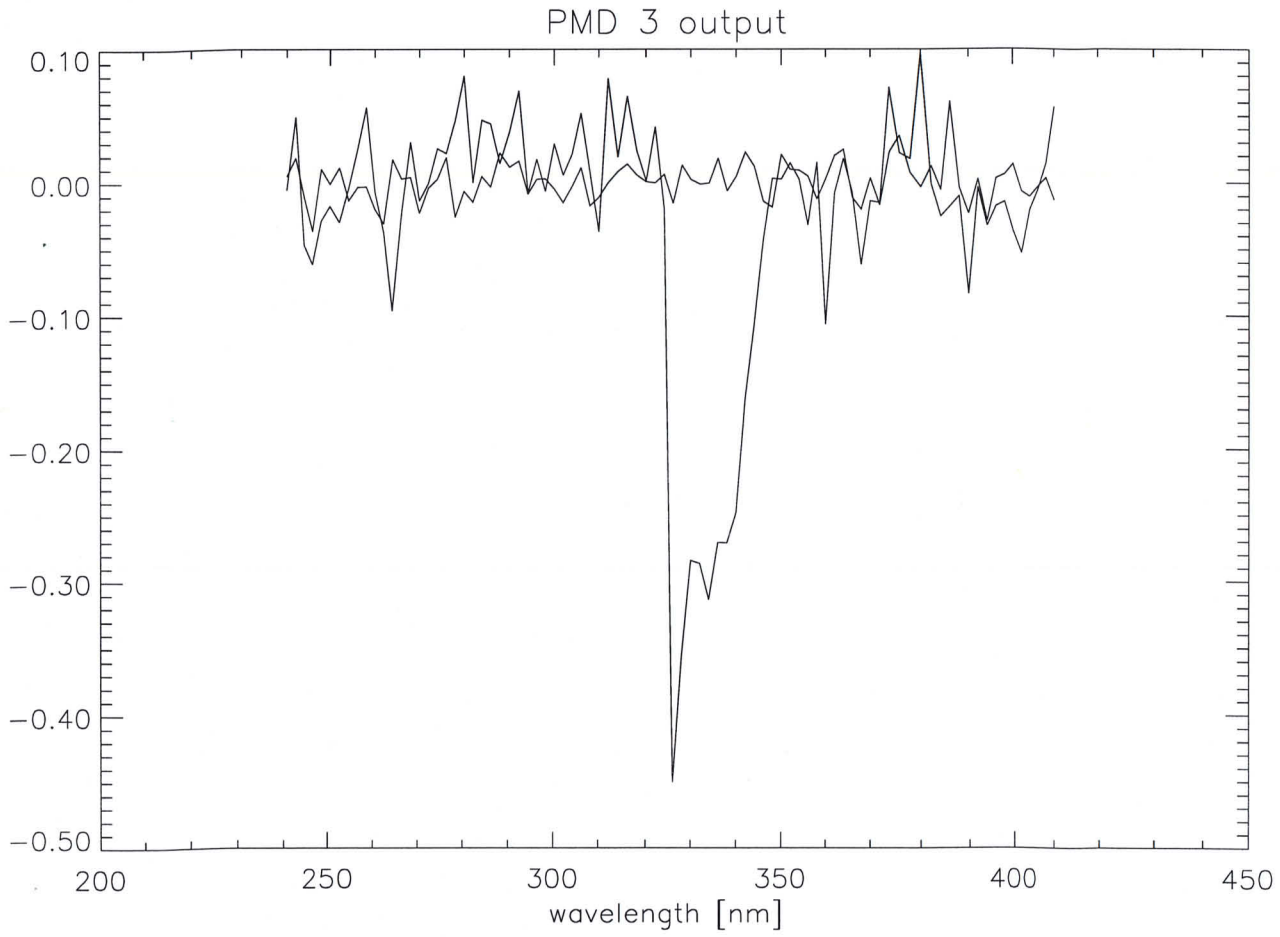
#####
#####
Job hp6mp-901
suspended or canceled
#####
#####

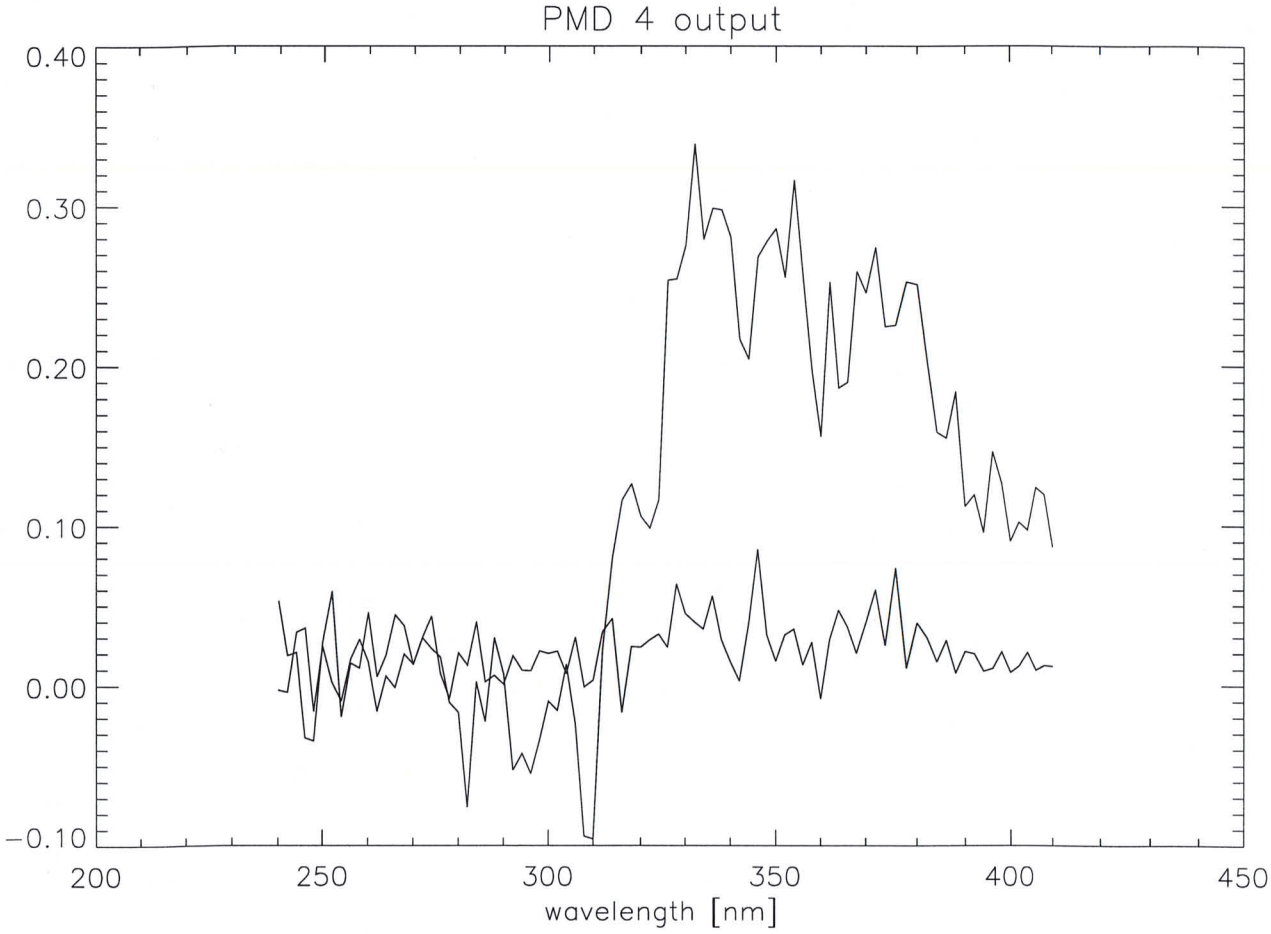
```
Version:  0.1
Input files:  /disk1/scia/DATA-DIR/XSI-UV-I/7a/control-file
 scia_00091998_235902669.egse_ltf.du1.avg.cal
 scia_00091998_235902669.egse_ltf.du2.avg.cal
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp240.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp242.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp244.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp246.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp248.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp250.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp252.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp254.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp256.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp258.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp260.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp262.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp264.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp266.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp268.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp270.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp272.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp274.avg.c
   isk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp276.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp278.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp280.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp282.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp284.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp286.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp288.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp290.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp292.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp294.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp296.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp298.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp300.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp302.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp304.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp306.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp308.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp310.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp312.avg.c
   isk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp314.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp316.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp318.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp320.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp322.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp324.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp326.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp328.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp330.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp332.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp334.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp336.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp338.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp340.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp342.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp344.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp346.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp348.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp350.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp352.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp354.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp356.avg.c
 /disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp358.avg.c
```

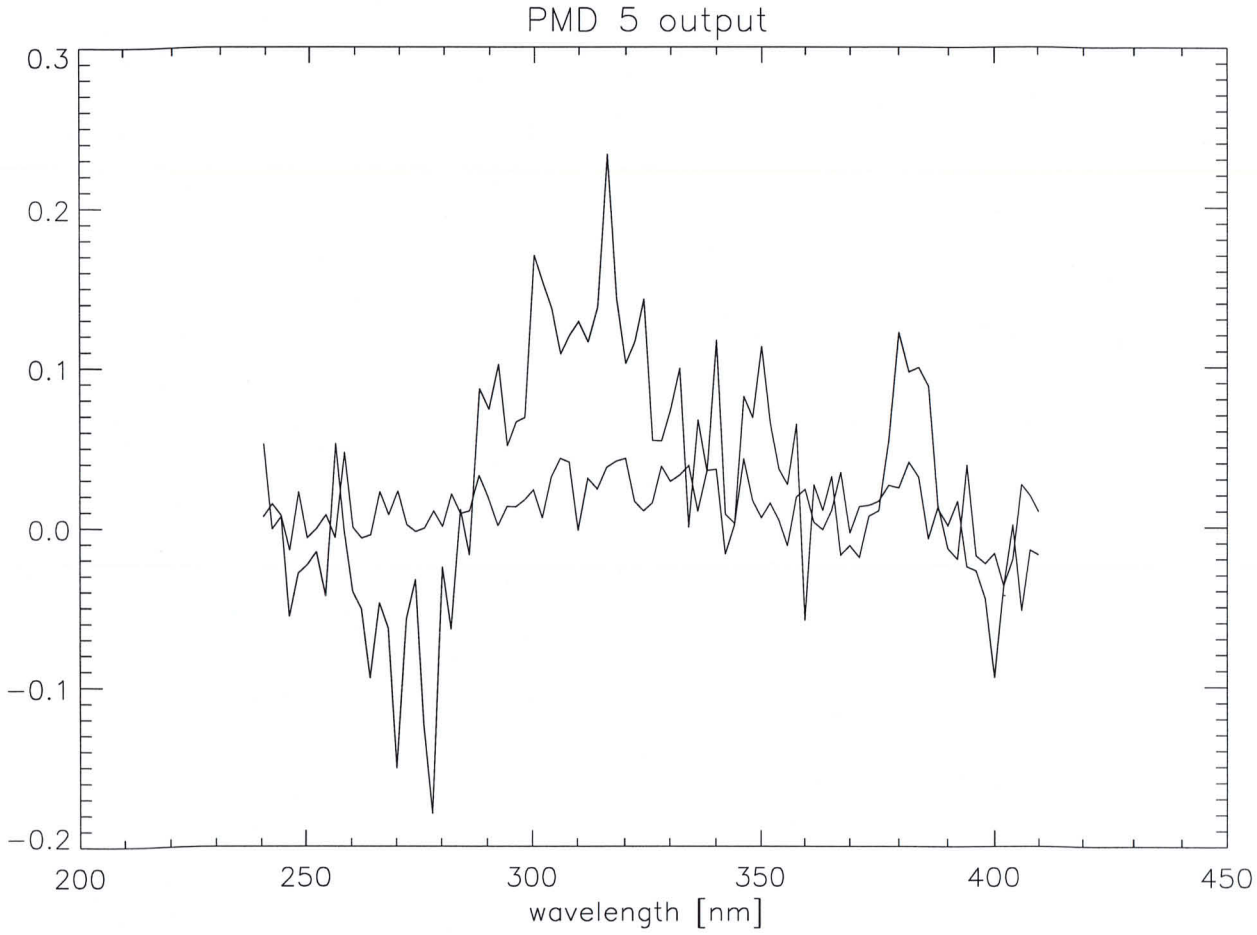
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp360.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp362.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp364.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp366.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp368.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp370.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp372.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp374.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp376.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp378.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp380.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp382.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp384.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp386.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp388.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp390.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp392.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp394.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp396.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp398.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp400.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp402.avg.c
isk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp404.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp406.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp408.avg.c
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.mp410.avg.c
Processing:
Computation of XSI
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/280898/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/280898/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/280898/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/280898/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/280898/stray.da
Processing time: Tue Sep 1 13:43:30 1998
Output file name:
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.c

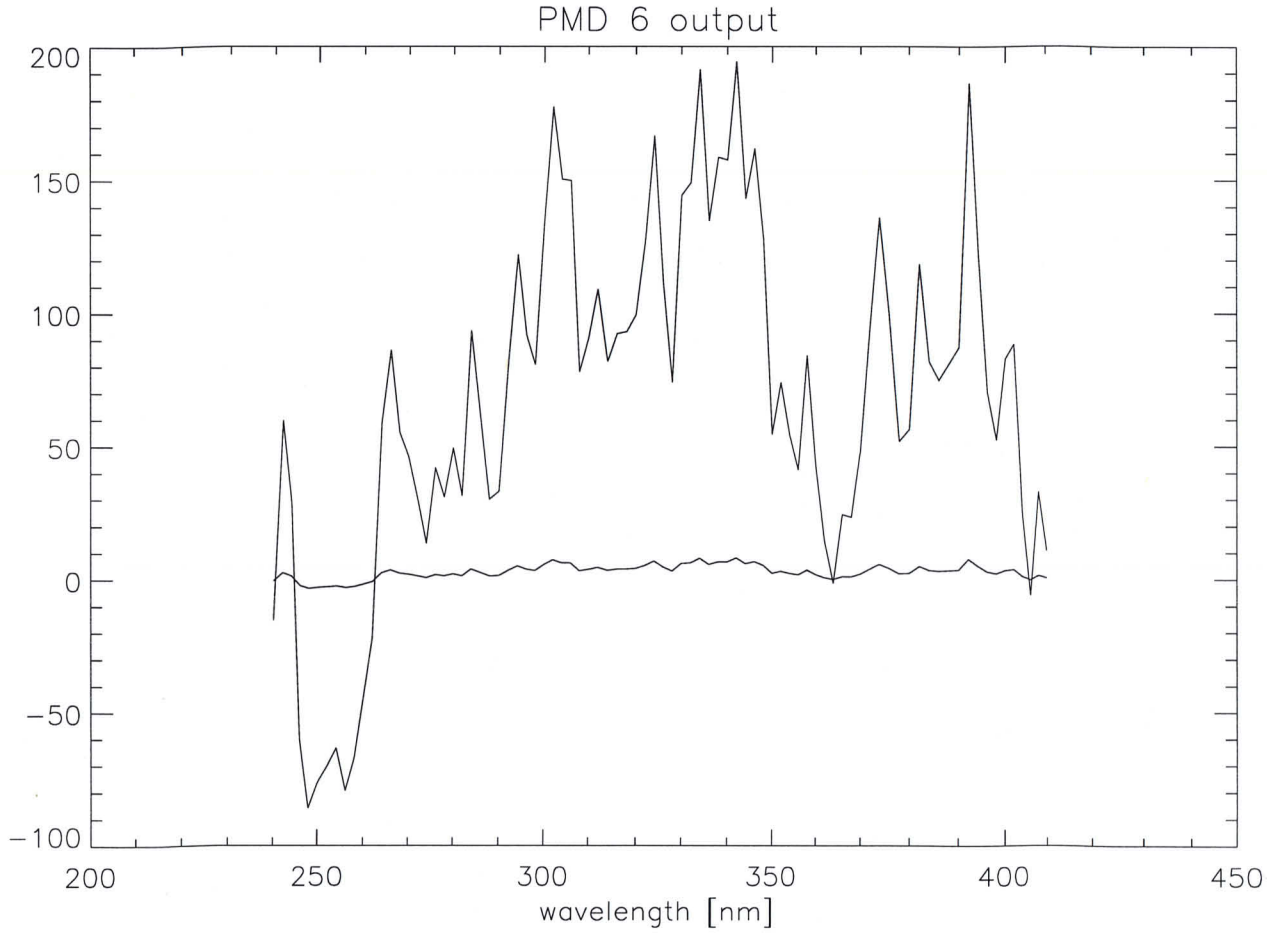

PMD 1 output
150
100
50
0
−50
200
250
300
350
400
450
wavelength [nm]

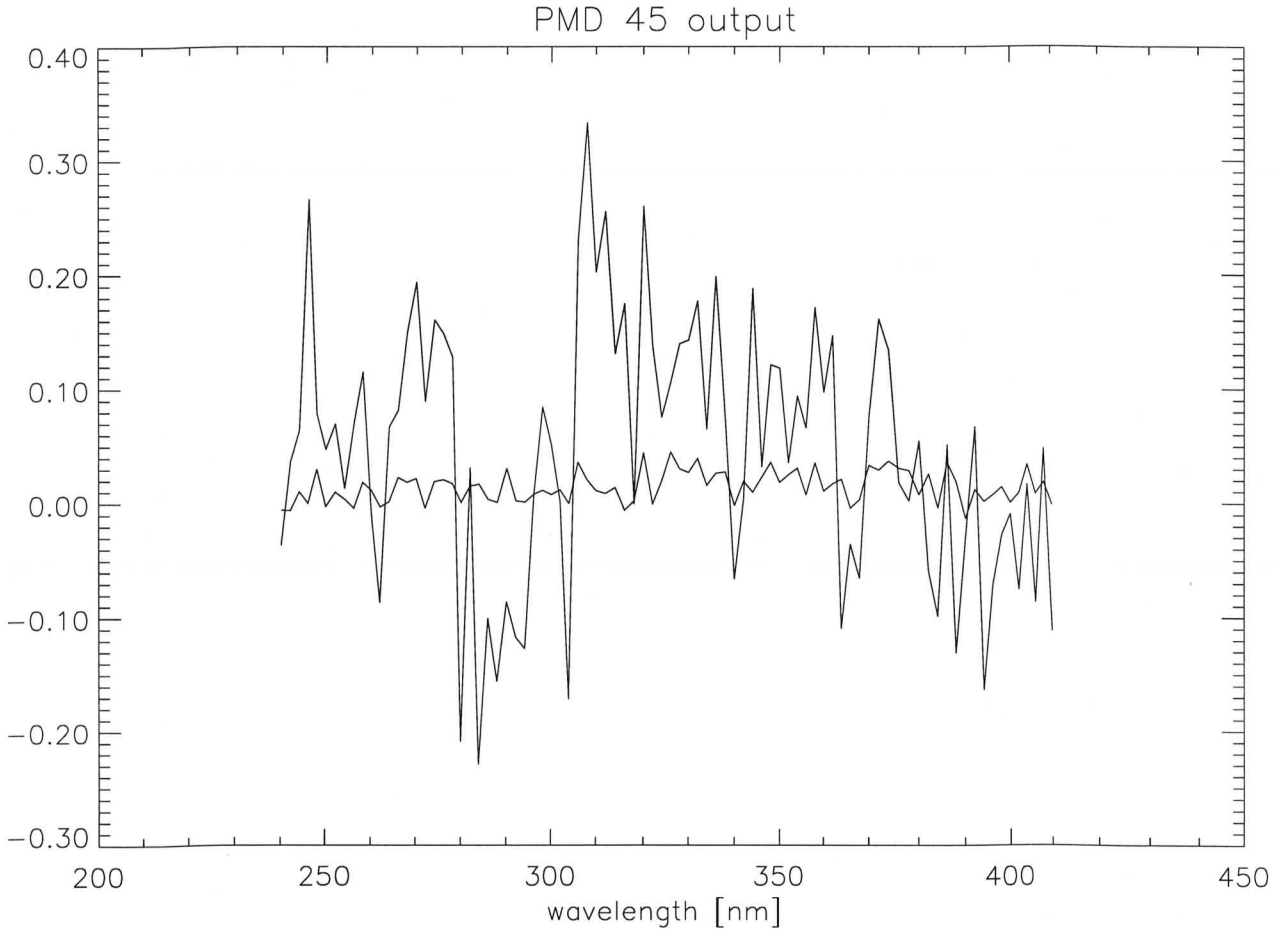

PMD 2 output
0.6
0.4
0.2
0.0
−0.2
−0.4
200
250
300
350
400
450
wavelength [nm]

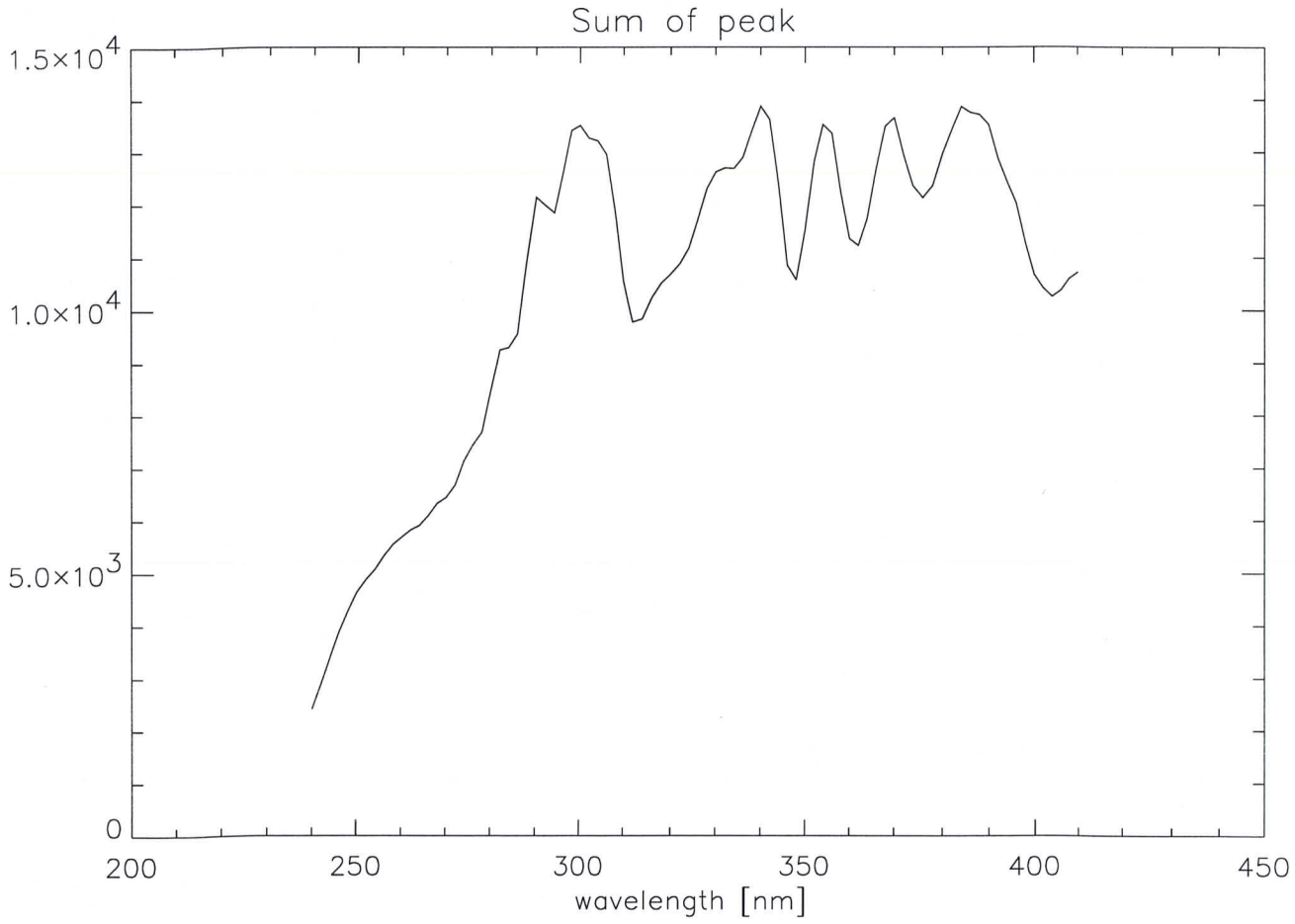

PMD 3 output
0.10
0.00
−0.10
−0.20
−0.30
−0.40
−0.50
200
250
300
350
400
450
wavelength [nm]

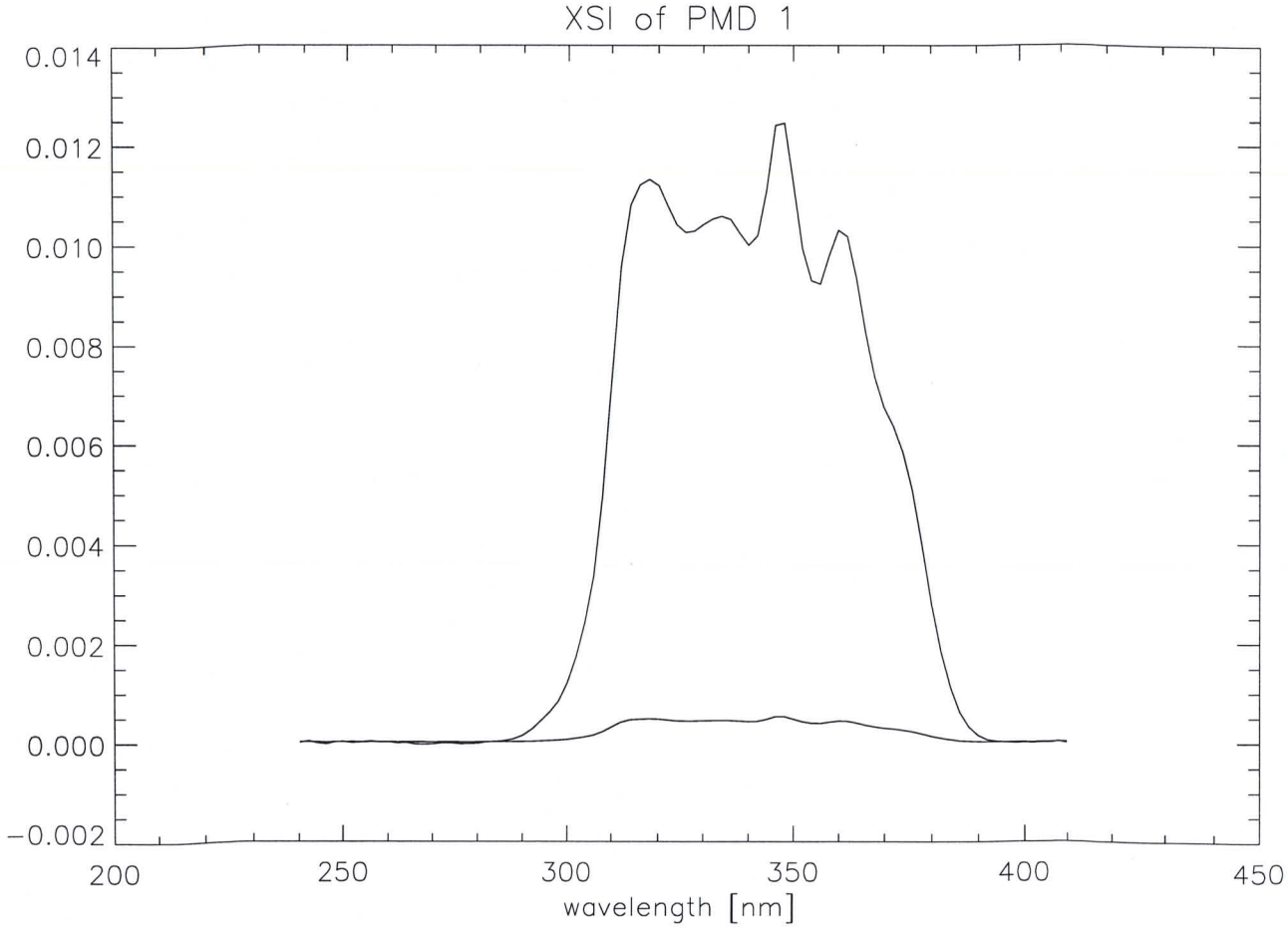

PMD 4 output
0.40
0.30
0.20
0.10
0.00
−0.10
200
250
300
350
400
450
wavelength [nm]

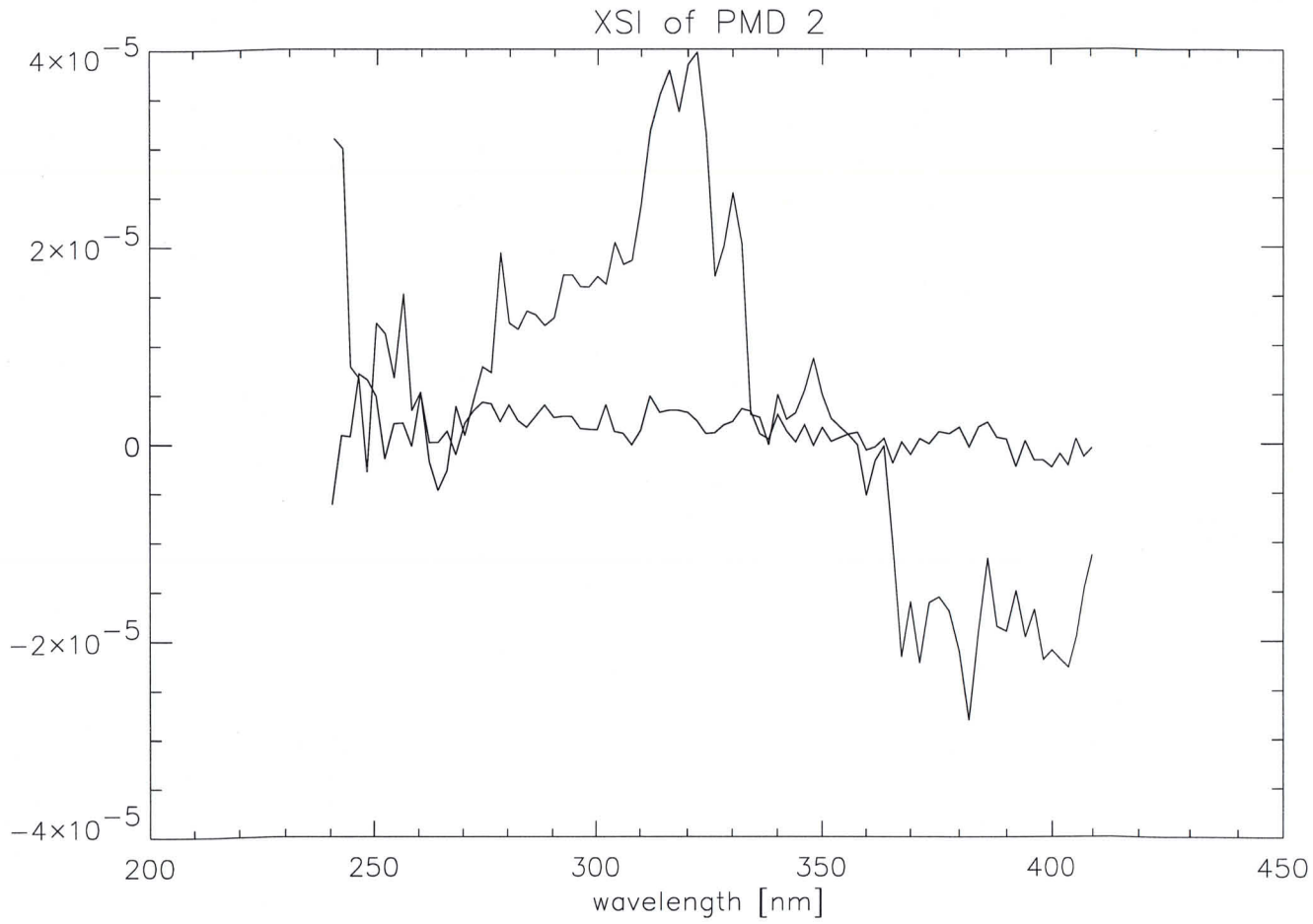

PMD 5 output
0.3
0.2
0.1
0.0
−0.1
−0.2
200
250
300
350
400
450
wavelength [nm]

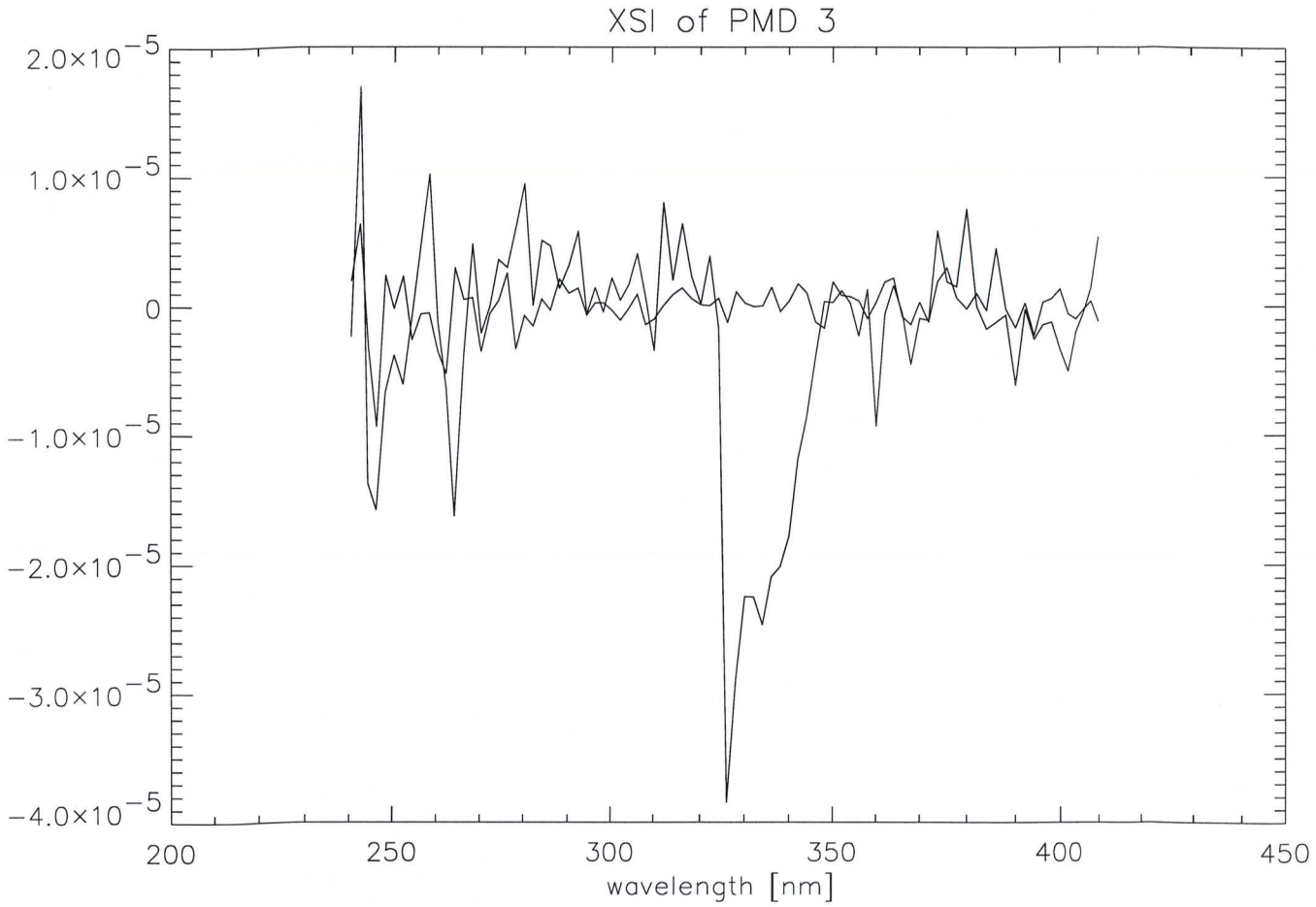

PMD 6 output
200
150
100
50
0
−50
−100
200
250
300
350
400
450
wavelength [nm]

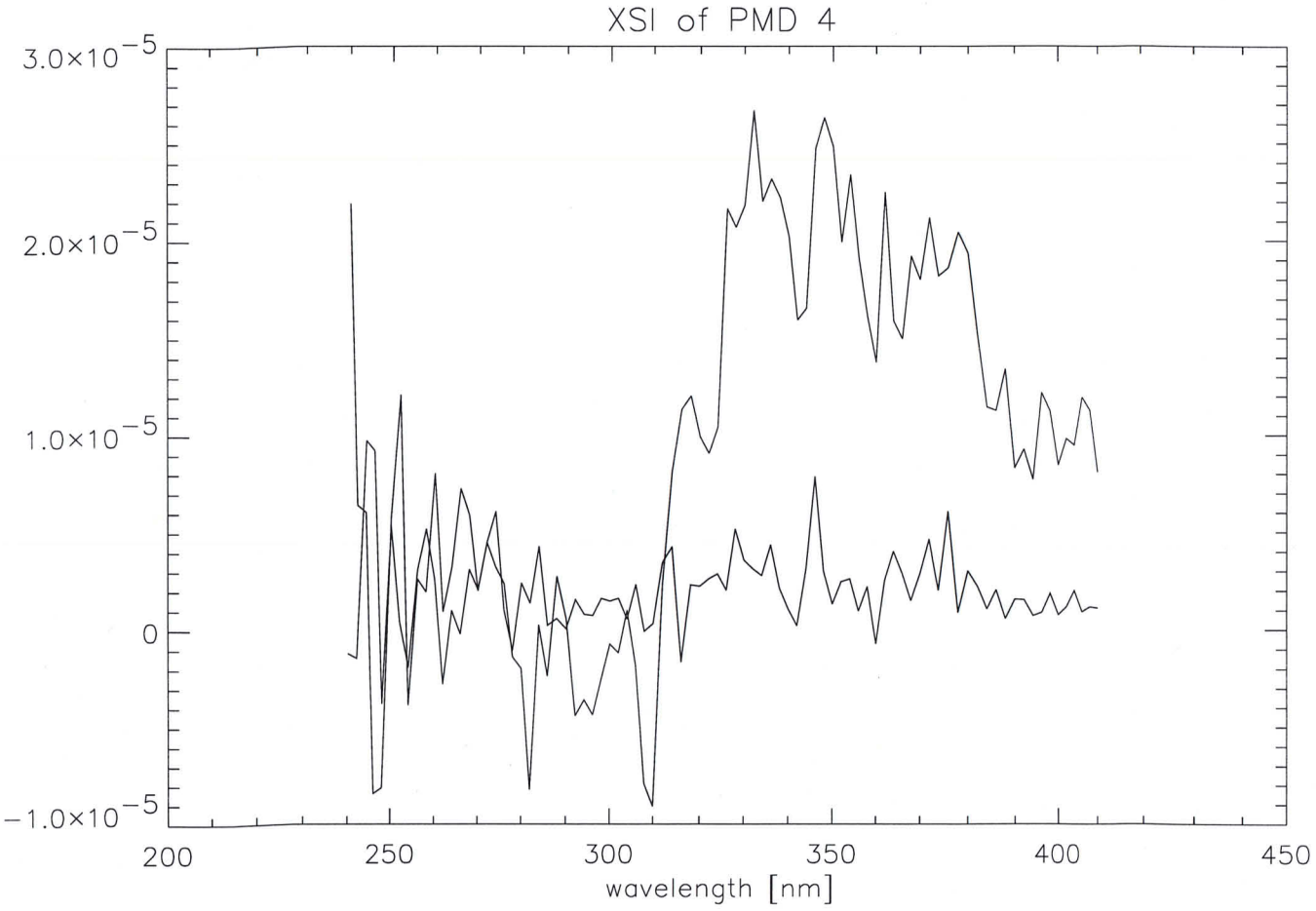

PMD 45 output
0.40
0.30
0.20
0.10
0.00
−0.10
−0.20
−0.30
200
250
300
350
400
450
wavelength [nm]

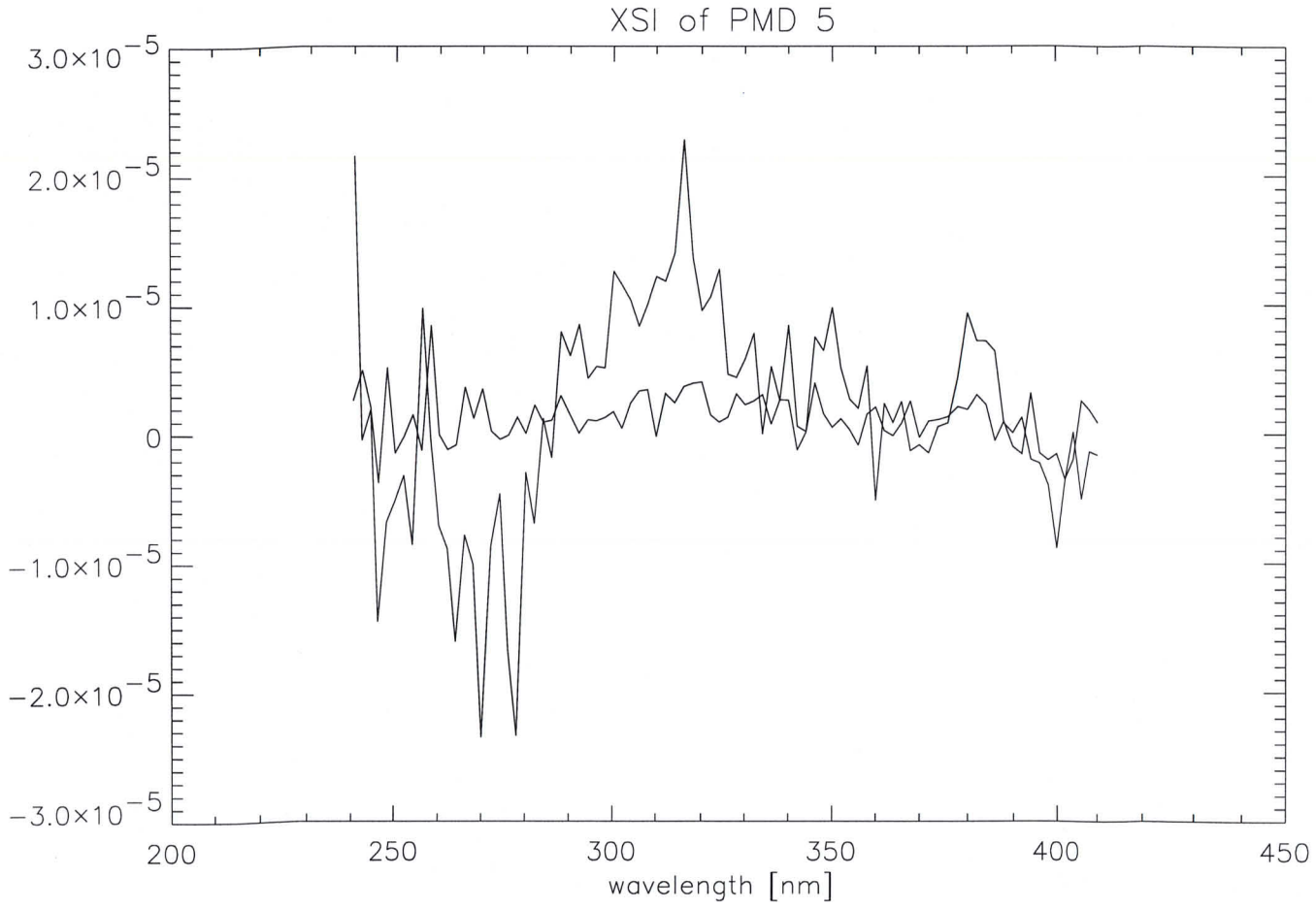

Sum of peak
1.5×10^4
1.0×10^4
5.0×10^3
0
200
250
300
350
400
450
wavelength [nm]

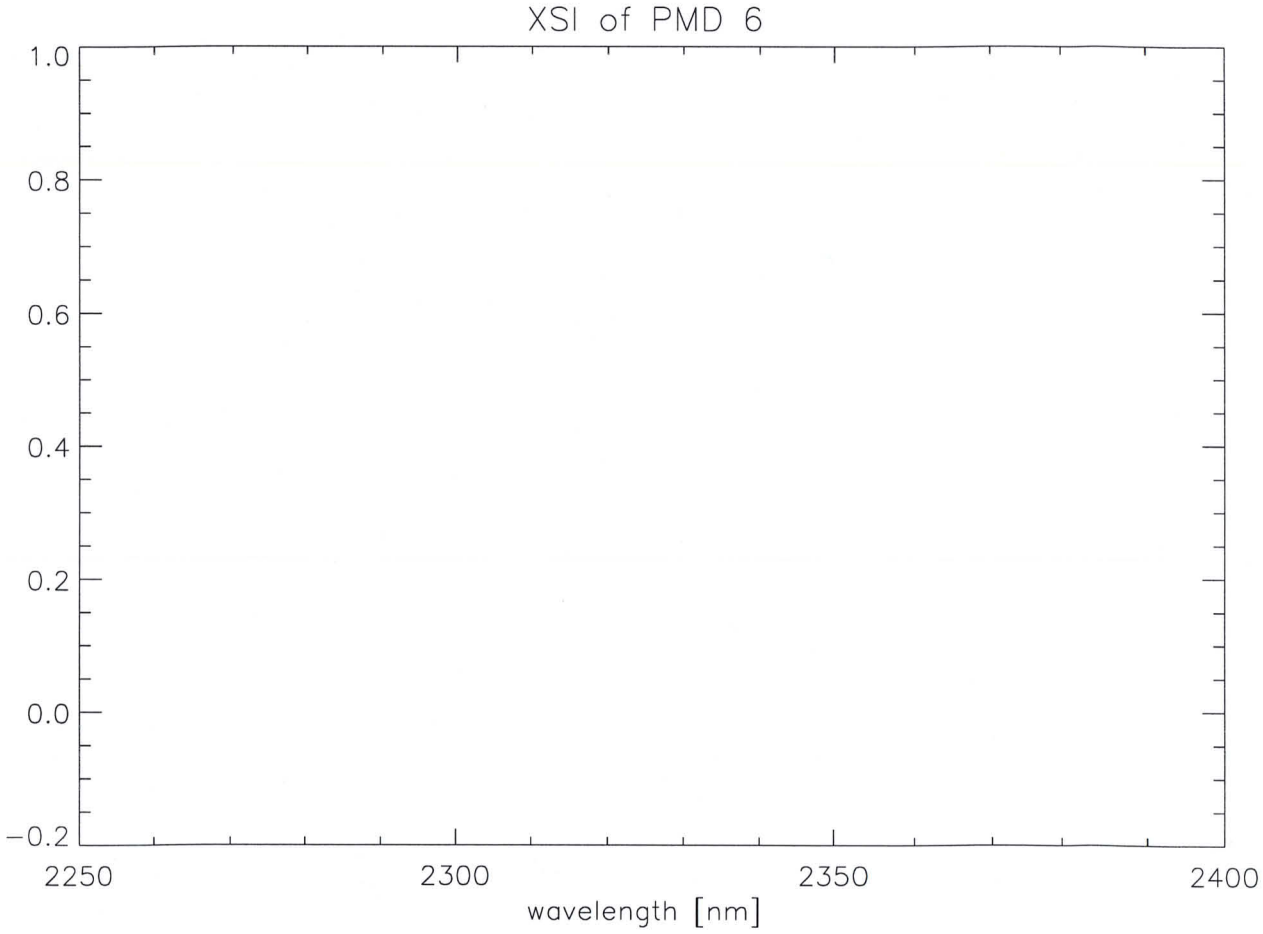

XSI of PMD 1
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
−0.002
200
250
300
350
400
450
wavelength [nm]

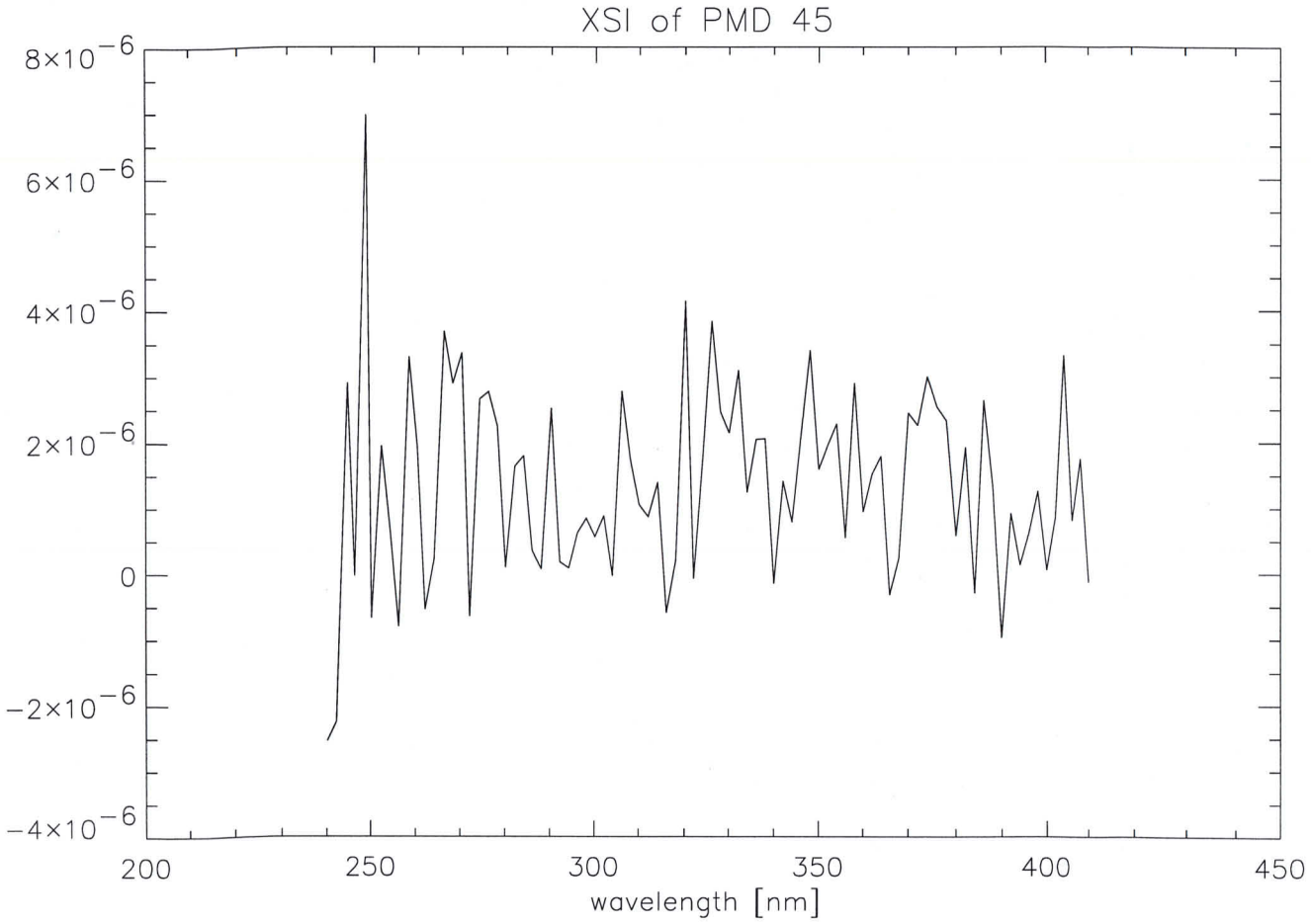

XSI of PMD 2
4×10⁻⁵
2×10⁻⁵
0
−2×10⁻⁵
−4×10⁻⁵
200
250
300
350
400
450
wavelength [nm]

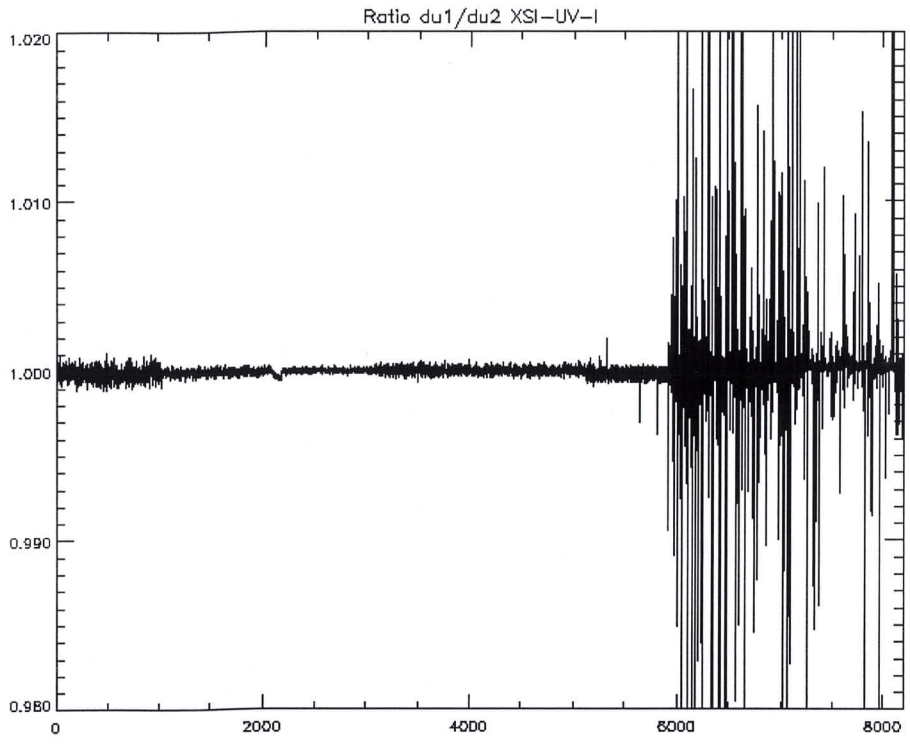

XSI of PMD 3
2.0×10−5
1.0×10−5
0
−1.0×10−5
−2.0×10−5
−3.0×10−5
−4.0×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 4
3.0×10⁻⁵
2.0×10⁻⁵
1.0×10⁻⁵
0
−1.0×10⁻⁵
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 5
3.0×10−5
2.0×10−5
1.0×10−5
0
−1.0×10−5
−2.0×10−5
−3.0×10−5
200
250
300
350
400
450
wavelength [nm]


XSI of PMD 6
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
2250
2300
2350
2400
wavelength [nm]


XSI of PMD 45
8×10⁻⁶
6×10⁻⁶
4×10⁻⁶
2×10⁻⁶
0
−2×10⁻⁶
−4×10⁻⁶
200
250
300
350
400
450
wavelength [nm]


Ratio du1/du2 XSI-UV-I
1.020
1.010
1.000
0.990
0.980
0
2000
4000
6000
8000

```
#! /bin/sh
mv f0.x 243y2344.doc
mv f1.x 243y2347.doc
mv f2.x 244y0629.xls
mv f3.x 31082358.DAT
mv f4.x WS_FTP.LOG
mv f5.x control-file
mv f6.x dapbchklog
mv f7.x dapbseqlog
mv f8.x egse.inf
mv f9.x gemsmpara.dat
mv f10.x hk_ccb.dat
mv f11.x hk_optec.dat
mv f12.x scia_00091998_235902669.dat
mv f13.x scia_00091998_235902669.egse_ltf
mv f14.x scia_00091998_235902669.egse_ltf.du1.avg.cal
mv f15.x scia_00091998_235902669.egse_ltf.du1.avg.cal.ps
mv f16.x scia_00091998_235902669.egse_ltf.du1.avg.p1.cal
mv f17.x scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data
mv f18.x scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.log
mv f19.x scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.ps
mv f20.x scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.ps.log
mv f21.x scia_00091998_235902669.egse_ltf.du1.log
mv f22.x scia_00091998_235902669.egse_ltf.du1.rel_std.cal
mv f23.x scia_00091998_235902669.egse_ltf.du1.rel_std.cal.ps
mv f24.x scia_00091998_235902669.egse_ltf.du1.std.cal
mv f25.x scia_00091998_235902669.egse_ltf.du1.std.cal.ps
mv f26.x scia_00091998_235902669.egse_ltf.du2.avg.cal
mv f27.x scia_00091998_235902669.egse_ltf.du2.log
mv f28.x scia_00091998_235902669.egse_ltf.mp240.avg.cal
mv f29.x scia_00091998_235902669.egse_ltf.mp240.avg.cal.ps
mv f30.x scia_00091998_235902669.egse_ltf.mp240.log
mv f31.x scia_00091998_235902669.egse_ltf.mp240.rel_std.cal
mv f32.x scia_00091998_235902669.egse_ltf.mp240.rel_std.cal.ps
mv f33.x scia_00091998_235902669.egse_ltf.mp240.std.cal
mv f34.x scia_00091998_235902669.egse_ltf.mp240.std.cal.ps
mv f35.x scia_00091998_235902669.egse_ltf.mp242.avg.cal
mv f36.x scia_00091998_235902669.egse_ltf.mp242.avg.cal.ps
mv f37.x scia_00091998_235902669.egse_ltf.mp242.log
mv f38.x scia_00091998_235902669.egse_ltf.mp242.rel_std.cal
mv f39.x scia_00091998_235902669.egse_ltf.mp242.rel_std.cal.ps
mv f40.x scia_00091998_235902669.egse_ltf.mp242.std.cal
mv f41.x scia_00091998_235902669.egse_ltf.mp242.std.cal.ps
mv f42.x scia_00091998_235902669.egse_ltf.mp244.avg.cal
mv f43.x scia_00091998_235902669.egse_ltf.mp244.log
mv f44.x scia_00091998_235902669.egse_ltf.mp246.avg.cal
mv f45.x scia_00091998_235902669.egse_ltf.mp246.log
mv f46.x scia_00091998_235902669.egse_ltf.mp248.avg.cal
mv f47.x scia_00091998_235902669.egse_ltf.mp248.log
mv f48.x scia_00091998_235902669.egse_ltf.mp250.avg.cal
mv f49.x scia_00091998_235902669.egse_ltf.mp250.log
mv f50.x scia_00091998_235902669.egse_ltf.mp252.avg.cal
mv f51.x scia_00091998_235902669.egse_ltf.mp252.log
mv f52.x scia_00091998_235902669.egse_ltf.mp254.avg.cal
mv f53.x scia_00091998_235902669.egse_ltf.mp254.log
mv f54.x scia_00091998_235902669.egse_ltf.mp256.avg.cal
mv f55.x scia_00091998_235902669.egse_ltf.mp256.log
mv f56.x scia_00091998_235902669.egse_ltf.mp258.avg.cal
mv f57.x scia_00091998_235902669.egse_ltf.mp258.log
mv f58.x scia_00091998_235902669.egse_ltf.mp260.avg.cal
mv f59.x scia_00091998_235902669.egse_ltf.mp260.log
mv f60.x scia_00091998_235902669.egse_ltf.mp262.avg.cal
mv f61.x scia_00091998_235902669.egse_ltf.mp262.log
mv f62.x scia_00091998_235902669.egse_ltf.mp264.avg.cal
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mv f63.x scia_00091998_235902669.egse_ltf.mp264.log
mv f64.x scia_00091998_235902669.egse_ltf.mp266.avg.cal
mv f65.x scia_00091998_235902669.egse_ltf.mp266.log
mv f66.x scia_00091998_235902669.egse_ltf.mp268.avg.cal
mv f67.x scia_00091998_235902669.egse_ltf.mp268.log
mv f68.x scia_00091998_235902669.egse_ltf.mp270.avg.cal
mv f69.x scia_00091998_235902669.egse_ltf.mp270.log
mv f70.x scia_00091998_235902669.egse_ltf.mp272.avg.cal
mv f71.x scia_00091998_235902669.egse_ltf.mp272.log
mv f72.x scia_00091998_235902669.egse_ltf.mp274.avg.cal
mv f73.x scia_00091998_235902669.egse_ltf.mp274.log
mv f74.x scia_00091998_235902669.egse_ltf.mp276.avg.cal
mv f75.x scia_00091998_235902669.egse_ltf.mp276.log
mv f76.x scia_00091998_235902669.egse_ltf.mp278.avg.cal
mv f77.x scia_00091998_235902669.egse_ltf.mp278.log
mv f78.x scia_00091998_235902669.egse_ltf.mp280.avg.cal
mv f79.x scia_00091998_235902669.egse_ltf.mp280.log
mv f80.x scia_00091998_235902669.egse_ltf.mp282.avg.cal
mv f81.x scia_00091998_235902669.egse_ltf.mp282.log
mv f82.x scia_00091998_235902669.egse_ltf.mp284.avg.cal
mv f83.x scia_00091998_235902669.egse_ltf.mp284.log
mv f84.x scia_00091998_235902669.egse_ltf.mp286.avg.cal
mv f85.x scia_00091998_235902669.egse_ltf.mp286.log
mv f86.x scia_00091998_235902669.egse_ltf.mp288.avg.cal
mv f87.x scia_00091998_235902669.egse_ltf.mp288.log
mv f88.x scia_00091998_235902669.egse_ltf.mp290.avg.cal
mv f89.x scia_00091998_235902669.egse_ltf.mp290.log
mv f90.x scia_00091998_235902669.egse_ltf.mp292.avg.cal
mv f91.x scia_00091998_235902669.egse_ltf.mp292.log
mv f92.x scia_00091998_235902669.egse_ltf.mp294.avg.cal
mv f93.x scia_00091998_235902669.egse_ltf.mp294.log
mv f94.x scia_00091998_235902669.egse_ltf.mp296.avg.cal
mv f95.x scia_00091998_235902669.egse_ltf.mp296.log
mv f96.x scia_00091998_235902669.egse_ltf.mp298.avg.cal
mv f97.x scia_00091998_235902669.egse_ltf.mp298.log
mv f98.x scia_00091998_235902669.egse_ltf.mp300.avg.cal
mv f99.x scia_00091998_235902669.egse_ltf.mp300.log
mv f100.x scia_00091998_235902669.egse_ltf.mp302.avg.cal
mv f101.x scia_00091998_235902669.egse_ltf.mp302.log
mv f102.x scia_00091998_235902669.egse_ltf.mp304.avg.cal
mv f103.x scia_00091998_235902669.egse_ltf.mp304.log
mv f104.x scia_00091998_235902669.egse_ltf.mp306.avg.cal
mv f105.x scia_00091998_235902669.egse_ltf.mp306.log
mv f106.x scia_00091998_235902669.egse_ltf.mp308.avg.cal
mv f107.x scia_00091998_235902669.egse_ltf.mp308.log
mv f108.x scia_00091998_235902669.egse_ltf.mp310.avg.cal
mv f109.x scia_00091998_235902669.egse_ltf.mp310.log
mv f110.x scia_00091998_235902669.egse_ltf.mp312.avg.cal
mv f111.x scia_00091998_235902669.egse_ltf.mp312.log
mv f112.x scia_00091998_235902669.egse_ltf.mp314.avg.cal
mv f113.x scia_00091998_235902669.egse_ltf.mp314.log
mv f114.x scia_00091998_235902669.egse_ltf.mp316.avg.cal
mv f115.x scia_00091998_235902669.egse_ltf.mp316.log
mv f116.x scia_00091998_235902669.egse_ltf.mp318.avg.cal
mv f117.x scia_00091998_235902669.egse_ltf.mp318.log
mv f118.x scia_00091998_235902669.egse_ltf.mp320.avg.cal
mv f119.x scia_00091998_235902669.egse_ltf.mp320.log
mv f120.x scia_00091998_235902669.egse_ltf.mp322.avg.cal
mv f121.x scia_00091998_235902669.egse_ltf.mp322.log
mv f122.x scia_00091998_235902669.egse_ltf.mp324.avg.cal
mv f123.x scia_00091998_235902669.egse_ltf.mp324.log
mv f124.x scia_00091998_235902669.egse_ltf.mp326.avg.cal
mv f125.x scia_00091998_235902669.egse_ltf.mp326.log
mv f126.x scia_00091998_235902669.egse_ltf.mp328.avg.cal
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mv f127.x scia_00091998_235902669.egse_ltf.mp328.log
mv f128.x scia_00091998_235902669.egse_ltf.mp330.avg.cal
mv f129.x scia_00091998_235902669.egse_ltf.mp330.log
mv f130.x scia_00091998_235902669.egse_ltf.mp332.avg.cal
mv f131.x scia_00091998_235902669.egse_ltf.mp332.log
mv f132.x scia_00091998_235902669.egse_ltf.mp334.avg.cal
mv f133.x scia_00091998_235902669.egse_ltf.mp334.log
mv f134.x scia_00091998_235902669.egse_ltf.mp336.avg.cal
mv f135.x scia_00091998_235902669.egse_ltf.mp336.log
mv f136.x scia_00091998_235902669.egse_ltf.mp338.avg.cal
mv f137.x scia_00091998_235902669.egse_ltf.mp338.log
mv f138.x scia_00091998_235902669.egse_ltf.mp340.avg.cal
mv f139.x scia_00091998_235902669.egse_ltf.mp340.log
mv f140.x scia_00091998_235902669.egse_ltf.mp342.avg.cal
mv f141.x scia_00091998_235902669.egse_ltf.mp342.log
mv f142.x scia_00091998_235902669.egse_ltf.mp344.avg.cal
mv f143.x scia_00091998_235902669.egse_ltf.mp344.log
mv f144.x scia_00091998_235902669.egse_ltf.mp346.avg.cal
mv f145.x scia_00091998_235902669.egse_ltf.mp346.log
mv f146.x scia_00091998_235902669.egse_ltf.mp348.avg.cal
mv f147.x scia_00091998_235902669.egse_ltf.mp348.log
mv f148.x scia_00091998_235902669.egse_ltf.mp350.avg.cal
mv f149.x scia_00091998_235902669.egse_ltf.mp350.log
mv f150.x scia_00091998_235902669.egse_ltf.mp352.avg.cal
mv f151.x scia_00091998_235902669.egse_ltf.mp352.log
mv f152.x scia_00091998_235902669.egse_ltf.mp354.avg.cal
mv f153.x scia_00091998_235902669.egse_ltf.mp354.log
mv f154.x scia_00091998_235902669.egse_ltf.mp356.avg.cal
mv f155.x scia_00091998_235902669.egse_ltf.mp356.log
mv f156.x scia_00091998_235902669.egse_ltf.mp358.avg.cal
mv f157.x scia_00091998_235902669.egse_ltf.mp358.log
mv f158.x scia_00091998_235902669.egse_ltf.mp360.avg.cal
mv f159.x scia_00091998_235902669.egse_ltf.mp360.log
mv f160.x scia_00091998_235902669.egse_ltf.mp362.avg.cal
mv f161.x scia_00091998_235902669.egse_ltf.mp362.log
mv f162.x scia_00091998_235902669.egse_ltf.mp364.avg.cal
mv f163.x scia_00091998_235902669.egse_ltf.mp364.log
mv f164.x scia_00091998_235902669.egse_ltf.mp366.avg.cal
mv f165.x scia_00091998_235902669.egse_ltf.mp366.log
mv f166.x scia_00091998_235902669.egse_ltf.mp368.avg.cal
mv f167.x scia_00091998_235902669.egse_ltf.mp368.log
mv f168.x scia_00091998_235902669.egse_ltf.mp370.avg.cal
mv f169.x scia_00091998_235902669.egse_ltf.mp370.log
mv f170.x scia_00091998_235902669.egse_ltf.mp372.avg.cal
mv f171.x scia_00091998_235902669.egse_ltf.mp372.log
mv f172.x scia_00091998_235902669.egse_ltf.mp374.avg.cal
mv f173.x scia_00091998_235902669.egse_ltf.mp374.log
mv f174.x scia_00091998_235902669.egse_ltf.mp376.avg.cal
mv f175.x scia_00091998_235902669.egse_ltf.mp376.log
mv f176.x scia_00091998_235902669.egse_ltf.mp378.avg.cal
mv f177.x scia_00091998_235902669.egse_ltf.mp378.log
mv f178.x scia_00091998_235902669.egse_ltf.mp380.avg.cal
mv f179.x scia_00091998_235902669.egse_ltf.mp380.log
mv f180.x scia_00091998_235902669.egse_ltf.mp382.avg.cal
mv f181.x scia_00091998_235902669.egse_ltf.mp382.log
mv f182.x scia_00091998_235902669.egse_ltf.mp384.avg.cal
mv f183.x scia_00091998_235902669.egse_ltf.mp384.log
mv f184.x scia_00091998_235902669.egse_ltf.mp386.avg.cal
mv f185.x scia_00091998_235902669.egse_ltf.mp386.log
mv f186.x scia_00091998_235902669.egse_ltf.mp388.avg.cal
mv f187.x scia_00091998_235902669.egse_ltf.mp388.log
mv f188.x scia_00091998_235902669.egse_ltf.mp390.avg.cal
mv f189.x scia_00091998_235902669.egse_ltf.mp390.log
mv f190.x scia_00091998_235902669.egse_ltf.mp392.avg.cal
```

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mv f191.x scia_00091998_235902669.egse_ltf.mp392.log
mv f192.x scia_00091998_235902669.egse_ltf.mp394.avg.cal
mv f193.x scia_00091998_235902669.egse_ltf.mp394.log
mv f194.x scia_00091998_235902669.egse_ltf.mp396.avg.cal
mv f195.x scia_00091998_235902669.egse_ltf.mp396.log
mv f196.x scia_00091998_235902669.egse_ltf.mp398.avg.cal
mv f197.x scia_00091998_235902669.egse_ltf.mp398.log
mv f198.x scia_00091998_235902669.egse_ltf.mp400.avg.cal
mv f199.x scia_00091998_235902669.egse_ltf.mp400.log
mv f200.x scia_00091998_235902669.egse_ltf.mp402.avg.cal
mv f201.x scia_00091998_235902669.egse_ltf.mp402.log
mv f202.x scia_00091998_235902669.egse_ltf.mp404.avg.cal
mv f203.x scia_00091998_235902669.egse_ltf.mp404.log
mv f204.x scia_00091998_235902669.egse_ltf.mp406.avg.cal
mv f205.x scia_00091998_235902669.egse_ltf.mp406.log
mv f206.x scia_00091998_235902669.egse_ltf.mp408.avg.cal
mv f207.x scia_00091998_235902669.egse_ltf.mp408.log
mv f208.x scia_00091998_235902669.egse_ltf.mp410.avg.cal
mv f209.x scia_00091998_235902669.egse_ltf.mp410.log
mv f210.x scia_01091998_014821309.dat
mv f211.x scia_01091998_033359039.dat
mv f212.x scia_01091998_052020884.dat
```

```
#! /bin/sh
mv 243y2344.doc f0.x
mv 243y2347.doc f1.x
mv 244y0629.xls f2.x
mv 31082358.DAT f3.x
mv WS_FTP.LOG f4.x
mv control-file f5.x
mv dapbchklog f6.x
mv dapbseqlog f7.x
mv egse.inf f8.x
mv gemsmpara.dat f9.x
mv hk_ccb.dat f10.x
mv hk_optec.dat f11.x
mv scia_00091998_235902669.dat f12.x
mv scia_00091998_235902669.egse_ltf f13.x
mv scia_00091998_235902669.egse_ltf.du1.avg.cal f14.x
mv scia_00091998_235902669.egse_ltf.du1.avg.cal.ps f15.x
mv scia_00091998_235902669.egse_ltf.du1.avg.p1.cal f16.x
mv scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data f17.x
mv scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.log f18.x
mv scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.ps f19.x
mv scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data.ps.log f20.x
m  scia_00091998_235902669.egse_ltf.du1.log f21.x
mv scia_00091998_235902669.egse_ltf.du1.rel_std.cal f22.x
mv scia_00091998_235902669.egse_ltf.du1.rel_std.cal.ps f23.x
mv scia_00091998_235902669.egse_ltf.du1.std.cal f24.x
mv scia_00091998_235902669.egse_ltf.du1.std.cal.ps f25.x
mv scia_00091998_235902669.egse_ltf.du2.avg.cal f26.x
mv scia_00091998_235902669.egse_ltf.du2.log f27.x
mv scia_00091998_235902669.egse_ltf.mp240.avg.cal f28.x
mv scia_00091998_235902669.egse_ltf.mp240.avg.cal.ps f29.x
mv scia_00091998_235902669.egse_ltf.mp240.log f30.x
mv scia_00091998_235902669.egse_ltf.mp240.rel_std.cal f31.x
mv scia_00091998_235902669.egse_ltf.mp240.rel_std.cal.ps f32.x
mv scia_00091998_235902669.egse_ltf.mp240.std.cal f33.x
mv scia_00091998_235902669.egse_ltf.mp240.std.cal.ps f34.x
mv scia_00091998_235902669.egse_ltf.mp242.avg.cal f35.x
mv scia_00091998_235902669.egse_ltf.mp242.avg.cal.ps f36.x
mv scia_00091998_235902669.egse_ltf.mp242.log f37.x
mv scia_00091998_235902669.egse_ltf.mp242.rel_std.cal f38.x
mv scia_00091998_235902669.egse_ltf.mp242.rel_std.cal.ps f39.x
m  scia_00091998_235902669.egse_ltf.mp242.std.cal f40.x
mv scia_00091998_235902669.egse_ltf.mp242.std.cal.ps f41.x
mv scia_00091998_235902669.egse_ltf.mp244.avg.cal f42.x
mv scia_00091998_235902669.egse_ltf.mp244.log f43.x
mv scia_00091998_235902669.egse_ltf.mp246.avg.cal f44.x
mv scia_00091998_235902669.egse_ltf.mp246.log f45.x
mv scia_00091998_235902669.egse_ltf.mp248.avg.cal f46.x
mv scia_00091998_235902669.egse_ltf.mp248.log f47.x
mv scia_00091998_235902669.egse_ltf.mp250.avg.cal f48.x
mv scia_00091998_235902669.egse_ltf.mp250.log f49.x
mv scia_00091998_235902669.egse_ltf.mp252.avg.cal f50.x
mv scia_00091998_235902669.egse_ltf.mp252.log f51.x
mv scia_00091998_235902669.egse_ltf.mp254.avg.cal f52.x
mv scia_00091998_235902669.egse_ltf.mp254.log f53.x
mv scia_00091998_235902669.egse_ltf.mp256.avg.cal f54.x
mv scia_00091998_235902669.egse_ltf.mp256.log f55.x
mv scia_00091998_235902669.egse_ltf.mp258.avg.cal f56.x
mv scia_00091998_235902669.egse_ltf.mp258.log f57.x
mv scia_00091998_235902669.egse_ltf.mp260.avg.cal f58.x
mv scia_00091998_235902669.egse_ltf.mp260.log f59.x
mv scia_00091998_235902669.egse_ltf.mp262.avg.cal f60.x
mv scia_00091998_235902669.egse_ltf.mp262.log f61.x
mv scia_00091998_235902669.egse_ltf.mp264.avg.cal f62.x
```

```
mv scia_00091998_235902669.egse_ltf.mp264.log f63.x
mv scia_00091998_235902669.egse_ltf.mp266.avg.cal f64.x
mv scia_00091998_235902669.egse_ltf.mp266.log f65.x
mv scia_00091998_235902669.egse_ltf.mp268.avg.cal f66.x
mv scia_00091998_235902669.egse_ltf.mp268.log f67.x
mv scia_00091998_235902669.egse_ltf.mp270.avg.cal f68.x
mv scia_00091998_235902669.egse_ltf.mp270.log f69.x
mv scia_00091998_235902669.egse_ltf.mp272.avg.cal f70.x
mv scia_00091998_235902669.egse_ltf.mp272.log f71.x
mv scia_00091998_235902669.egse_ltf.mp274.avg.cal f72.x
mv scia_00091998_235902669.egse_ltf.mp274.log f73.x
mv scia_00091998_235902669.egse_ltf.mp276.avg.cal f74.x
mv scia_00091998_235902669.egse_ltf.mp276.log f75.x
mv scia_00091998_235902669.egse_ltf.mp278.avg.cal f76.x
mv scia_00091998_235902669.egse_ltf.mp278.log f77.x
mv scia_00091998_235902669.egse_ltf.mp280.avg.cal f78.x
mv scia_00091998_235902669.egse_ltf.mp280.log f79.x
mv scia_00091998_235902669.egse_ltf.mp282.avg.cal f80.x
mv scia_00091998_235902669.egse_ltf.mp282.log f81.x
mv scia_00091998_235902669.egse_ltf.mp284.avg.cal f82.x
mv scia_00091998_235902669.egse_ltf.mp284.log f83.x
mv scia_00091998_235902669.egse_ltf.mp286.avg.cal f84.x
mv scia_00091998_235902669.egse_ltf.mp286.log f85.x
mv scia_00091998_235902669.egse_ltf.mp288.avg.cal f86.x
mv scia_00091998_235902669.egse_ltf.mp288.log f87.x
mv scia_00091998_235902669.egse_ltf.mp290.avg.cal f88.x
mv scia_00091998_235902669.egse_ltf.mp290.log f89.x
mv scia_00091998_235902669.egse_ltf.mp292.avg.cal f90.x
mv scia_00091998_235902669.egse_ltf.mp292.log f91.x
mv scia_00091998_235902669.egse_ltf.mp294.avg.cal f92.x
mv scia_00091998_235902669.egse_ltf.mp294.log f93.x
mv scia_00091998_235902669.egse_ltf.mp296.avg.cal f94.x
mv scia_00091998_235902669.egse_ltf.mp296.log f95.x
mv scia_00091998_235902669.egse_ltf.mp298.avg.cal f96.x
mv scia_00091998_235902669.egse_ltf.mp298.log f97.x
mv scia_00091998_235902669.egse_ltf.mp300.avg.cal f98.x
mv scia_00091998_235902669.egse_ltf.mp300.log f99.x
mv scia_00091998_235902669.egse_ltf.mp302.avg.cal f100.x
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mv scia_00091998_235902669.egse_ltf.mp304.avg.cal f102.x
mv scia_00091998_235902669.egse_ltf.mp304.log f103.x
mv scia_00091998_235902669.egse_ltf.mp306.avg.cal f104.x
mv scia_00091998_235902669.egse_ltf.mp306.log f105.x
mv scia_00091998_235902669.egse_ltf.mp308.avg.cal f106.x
mv scia_00091998_235902669.egse_ltf.mp308.log f107.x
mv scia_00091998_235902669.egse_ltf.mp310.avg.cal f108.x
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mv scia_00091998_235902669.egse_ltf.mp322.log f121.x
mv scia_00091998_235902669.egse_ltf.mp324.avg.cal f122.x
mv scia_00091998_235902669.egse_ltf.mp324.log f123.x
mv scia_00091998_235902669.egse_ltf.mp326.avg.cal f124.x
mv scia_00091998_235902669.egse_ltf.mp326.log f125.x
mv scia_00091998_235902669.egse_ltf.mp328.avg.cal f126.x
```

```
mv scia_00091998_235902669.egse_ltf.mp328.log f127.x
mv scia_00091998_235902669.egse_ltf.mp330.avg.cal f128.x
mv scia_00091998_235902669.egse_ltf.mp330.log f129.x
mv scia_00091998_235902669.egse_ltf.mp332.avg.cal f130.x
mv scia_00091998_235902669.egse_ltf.mp332.log f131.x
mv scia_00091998_235902669.egse_ltf.mp334.avg.cal f132.x
mv scia_00091998_235902669.egse_ltf.mp334.log f133.x
mv scia_00091998_235902669.egse_ltf.mp336.avg.cal f134.x
mv scia_00091998_235902669.egse_ltf.mp336.log f135.x
mv scia_00091998_235902669.egse_ltf.mp338.avg.cal f136.x
mv scia_00091998_235902669.egse_ltf.mp338.log f137.x
mv scia_00091998_235902669.egse_ltf.mp340.avg.cal f138.x
mv scia_00091998_235902669.egse_ltf.mp340.log f139.x
mv scia_00091998_235902669.egse_ltf.mp342.avg.cal f140.x
mv scia_00091998_235902669.egse_ltf.mp342.log f141.x
mv scia_00091998_235902669.egse_ltf.mp344.avg.cal f142.x
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mv scia_00091998_235902669.egse_ltf.mp348.log f147.x
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mv scia_00091998_235902669.egse_ltf.mp352.avg.cal f150.x
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mv scia_00091998_235902669.egse_ltf.mp362.avg.cal f160.x
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mv scia_00091998_235902669.egse_ltf.mp380.avg.cal f178.x
mv scia_00091998_235902669.egse_ltf.mp380.log f179.x
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mv scia_00091998_235902669.egse_ltf.mp386.avg.cal f184.x
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mv scia_00091998_235902669.egse_ltf.mp388.avg.cal f186.x
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mv scia_00091998_235902669.egse_ltf.mp390.avg.cal f188.x
mv scia_00091998_235902669.egse_ltf.mp390.log f189.x
mv scia_00091998_235902669.egse_ltf.mp392.avg.cal f190.x
```

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mv scia_00091998_235902669.egse_ltf.mp392.log f191.x
mv scia_00091998_235902669.egse_ltf.mp394.avg.cal f192.x
mv scia_00091998_235902669.egse_ltf.mp394.log f193.x
mv scia_00091998_235902669.egse_ltf.mp396.avg.cal f194.x
mv scia_00091998_235902669.egse_ltf.mp396.log f195.x
mv scia_00091998_235902669.egse_ltf.mp398.avg.cal f196.x
mv scia_00091998_235902669.egse_ltf.mp398.log f197.x
mv scia_00091998_235902669.egse_ltf.mp400.avg.cal f198.x
mv scia_00091998_235902669.egse_ltf.mp400.log f199.x
mv scia_00091998_235902669.egse_ltf.mp402.avg.cal f200.x
mv scia_00091998_235902669.egse_ltf.mp402.log f201.x
mv scia_00091998_235902669.egse_ltf.mp404.avg.cal f202.x
mv scia_00091998_235902669.egse_ltf.mp404.log f203.x
mv scia_00091998_235902669.egse_ltf.mp406.avg.cal f204.x
mv scia_00091998_235902669.egse_ltf.mp406.log f205.x
mv scia_00091998_235902669.egse_ltf.mp408.avg.cal f206.x
mv scia_00091998_235902669.egse_ltf.mp408.log f207.x
mv scia_00091998_235902669.egse_ltf.mp410.avg.cal f208.x
mv scia_00091998_235902669.egse_ltf.mp410.log f209.x
mv scia_01091998_014821309.dat f210.x
mv scia_01091998_033359039.dat f211.x
mv scia_01091998_052020884.dat f212.x
```
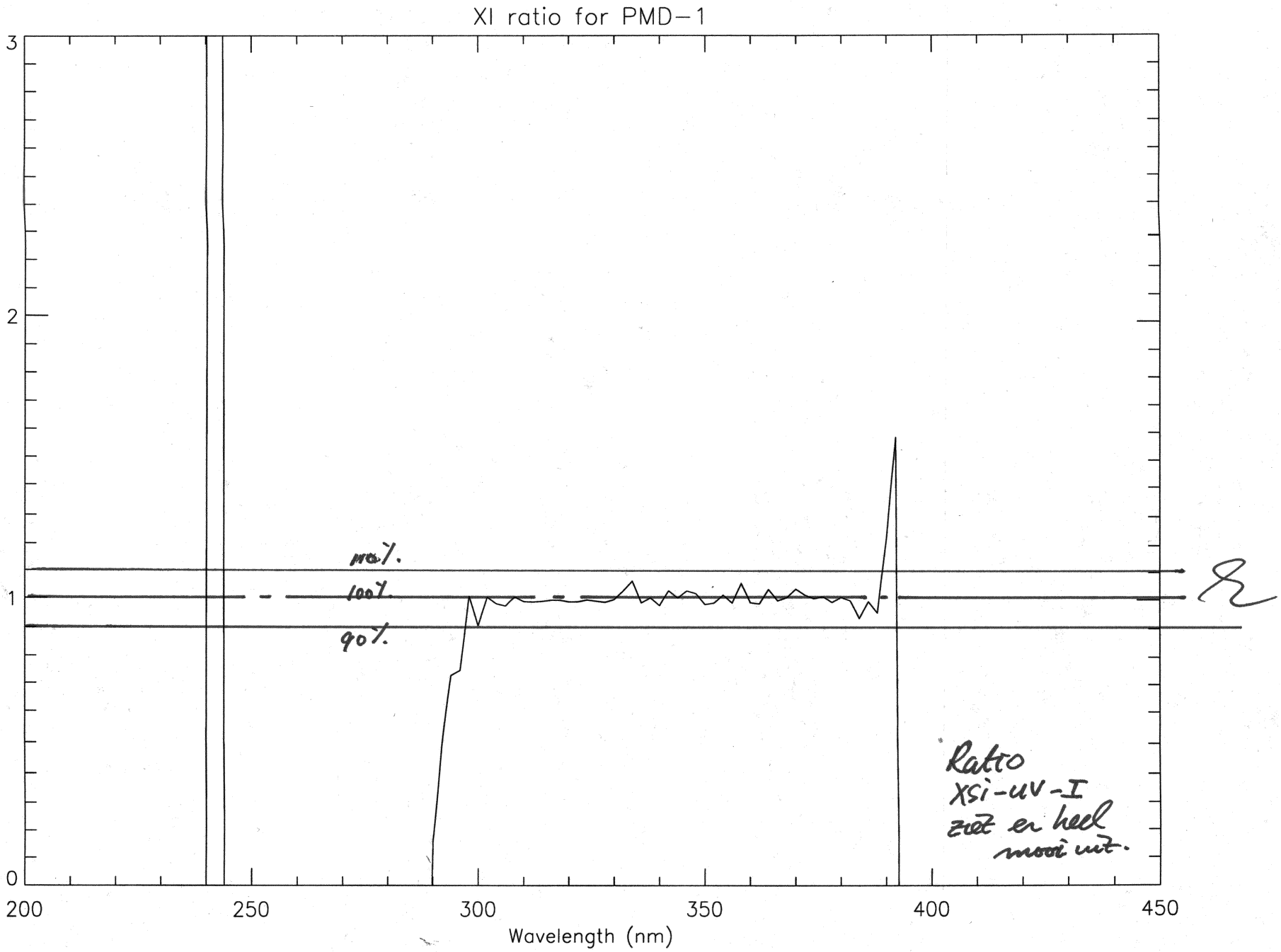
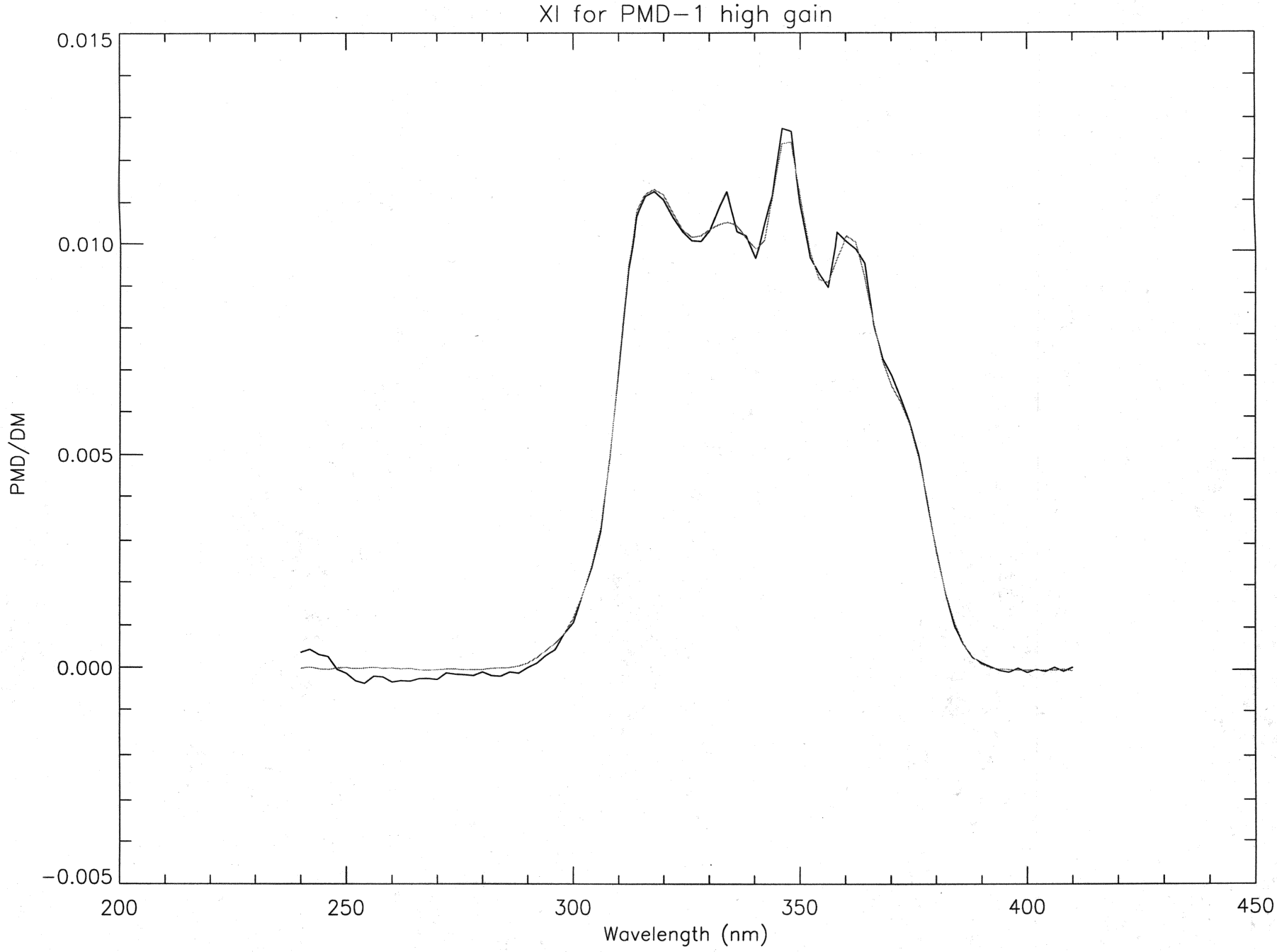
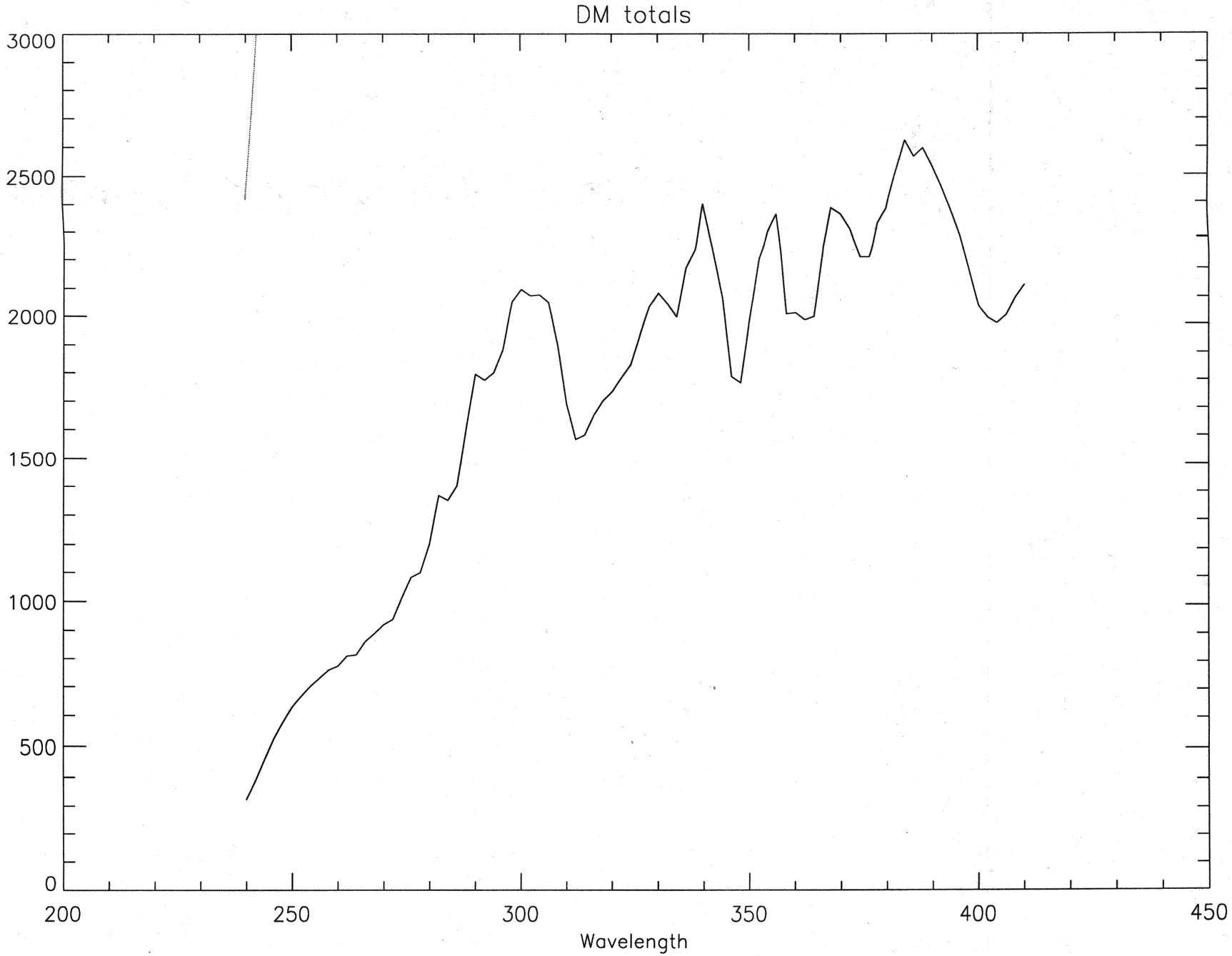
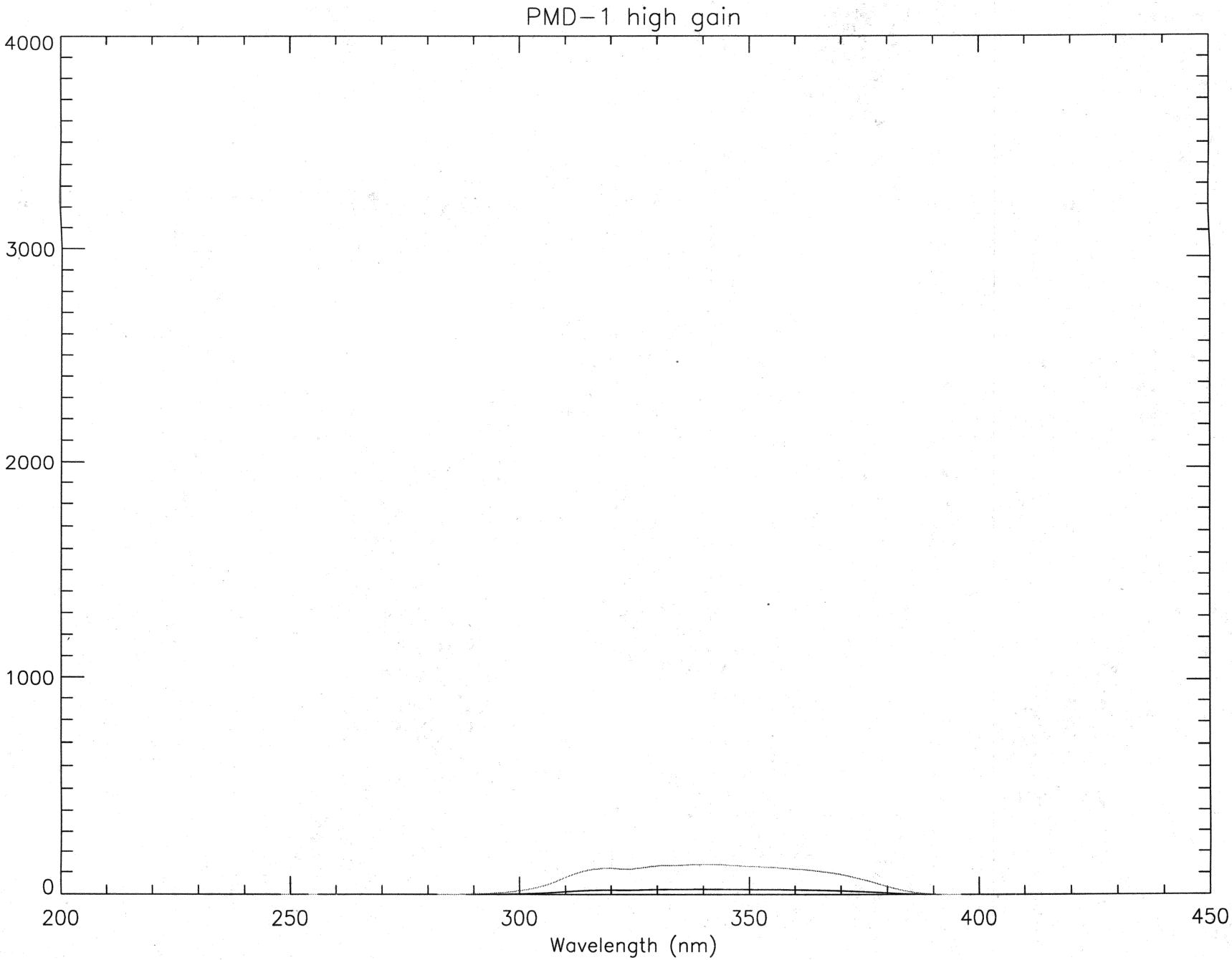

LOG SHEET SCHIAMACHY CALIBRATION

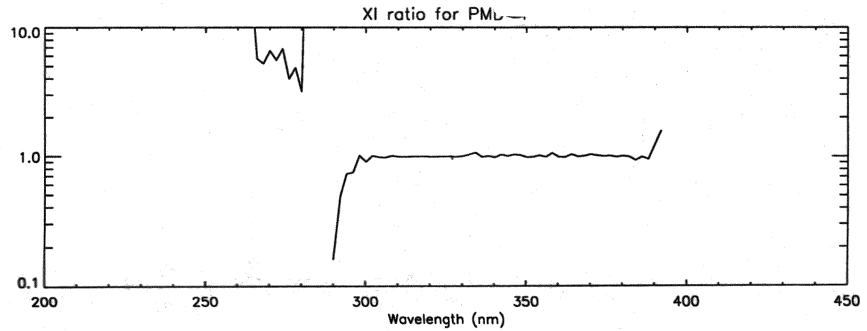
Date/Time	Description of action	Measurement directory
1/9/98	M te Plate, PJ Nijssen, L.v/d Speh.	
	Ratio reproducability measurement XSi -UV-I was calculated using. do_xsi_ratio and jos6	
	subdir's /6	
	/7a	
	Ratio's are shown on the next pages	
	They look very good.	
	peak-peak (6σ) ≈ 5%.	

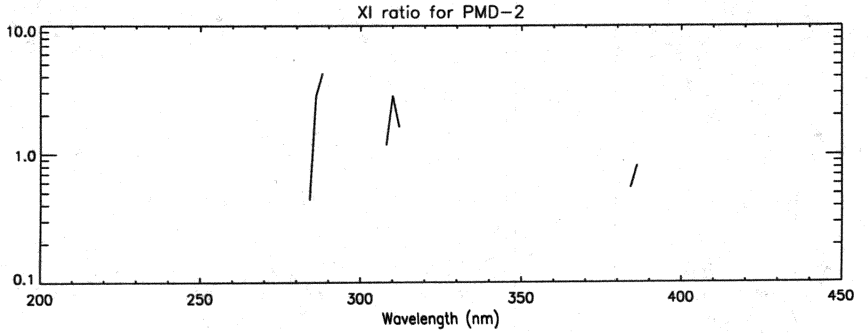

XI ratio for PMD−1
3
2
1
0
110%
100%
90%
200
250
300
350
400
450
Wavelength (nm)
Ratio
XSi-UV-I
ziet er heel
mooi uit.

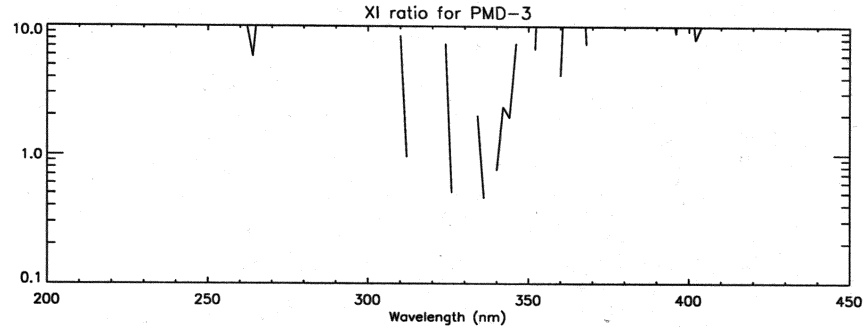

XI for PMD−1 high gain
0.015
0.010
0.005
0.000
−0.005
PMD/DM
200
250
300
350
400
450
Wavelength (nm)

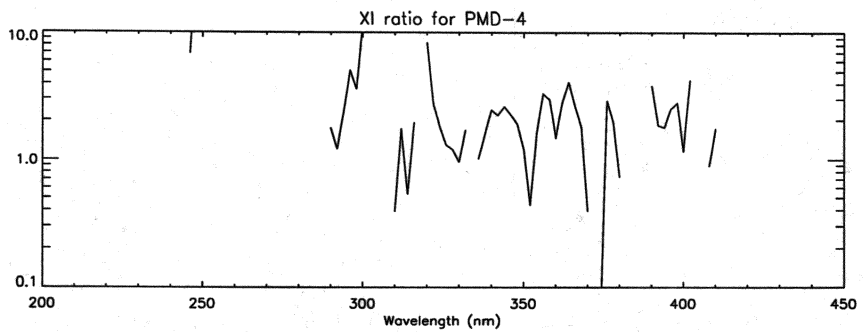

DM totals
3000
2500
2000
1500
1000
500
0
200
250
300
350
400
450
Wavelength

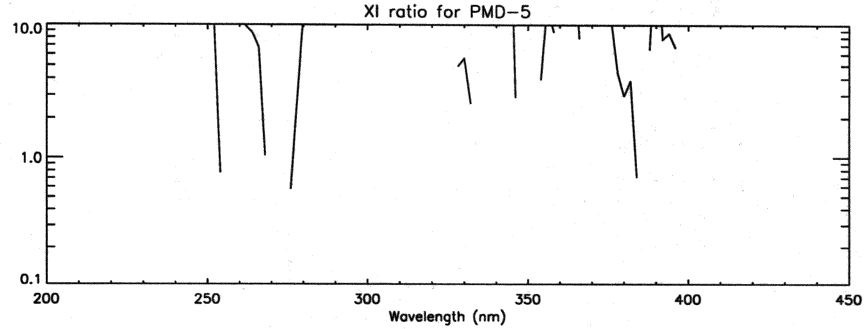

PMD−1 high gain
4000
3000
2000
1000
0
200
250
300
350
400
450
Wavelength (nm)

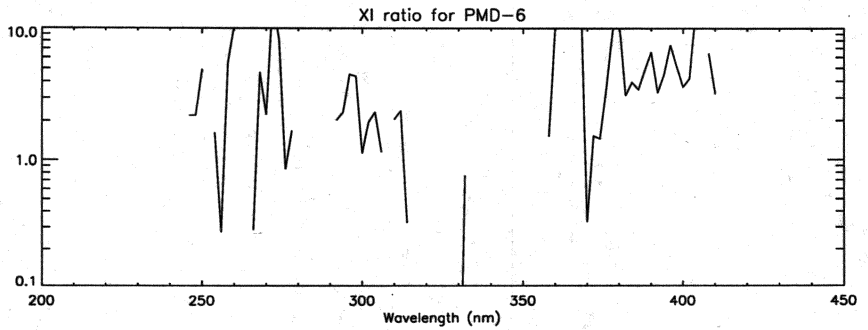

XI ratio for PMD-1
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

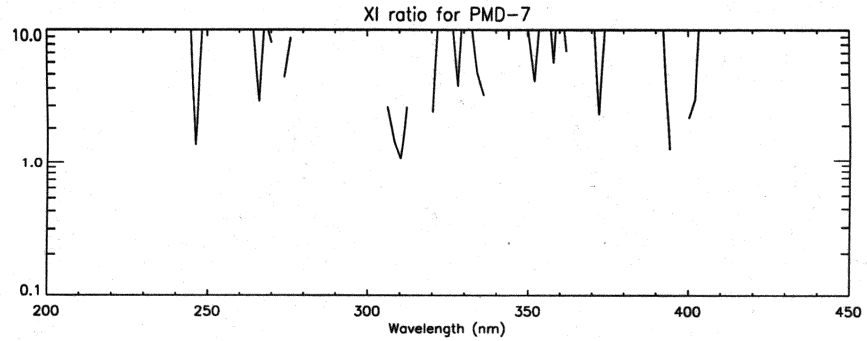

XI ratio for PMD-2
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

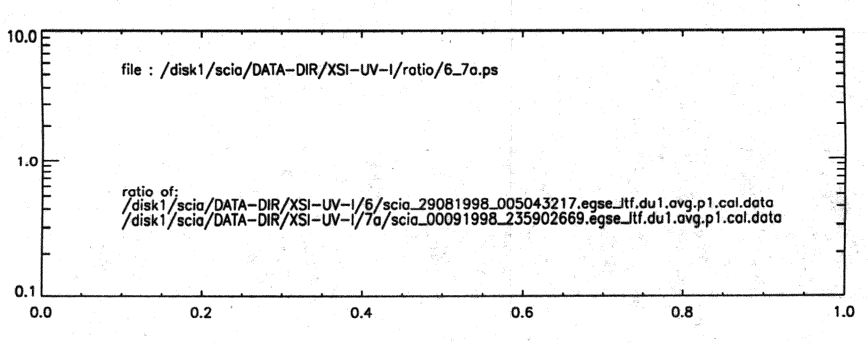

XI ratio for PMD-3
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

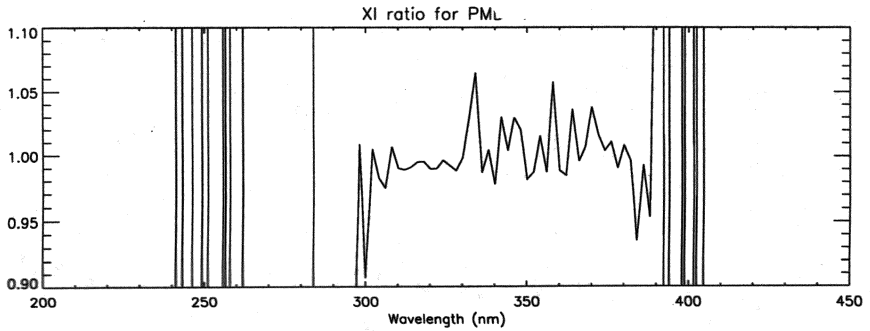

XI ratio for PMD-4
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

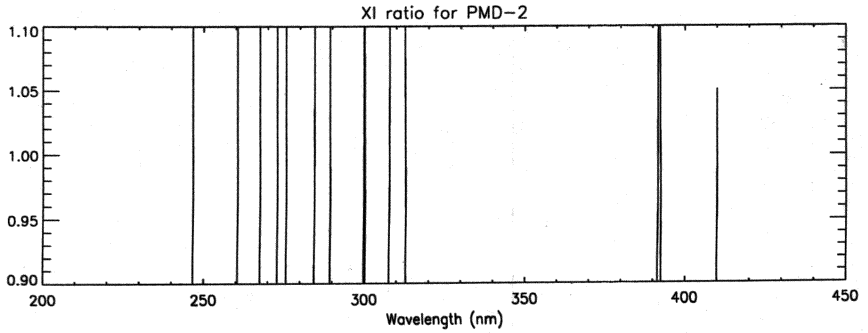

XI ratio for PMD-5
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

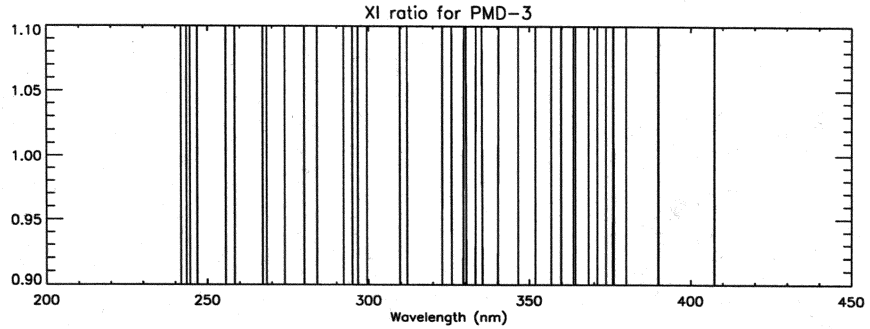

XI ratio for PMD-6
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

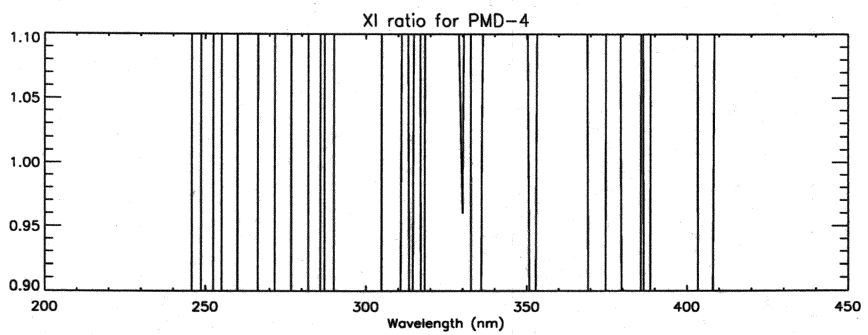

XI ratio for PMD-7
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

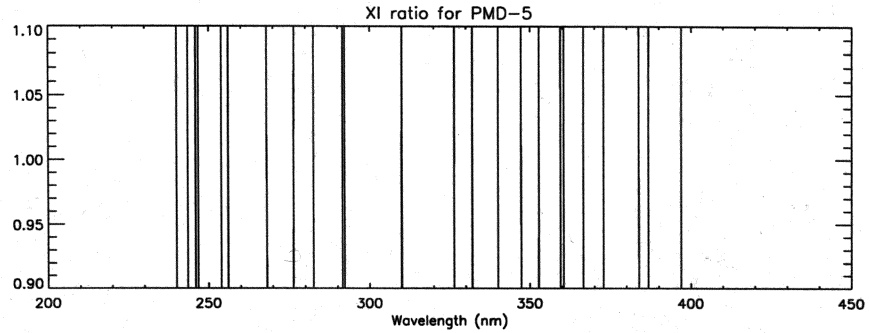

10.0
1.0
0.1
file : /disk1/scia/DATA-DIR/XSI-UV-1/ratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data
0.0
0.2
0.4
0.6
0.8
1.0

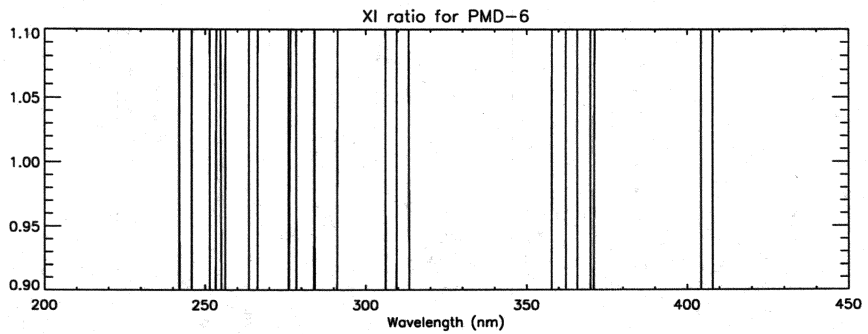

XI ratio for PML
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

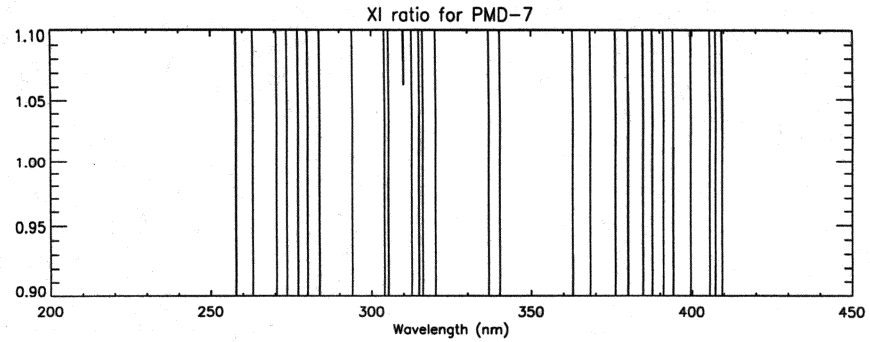

XI ratio for PMD-2
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

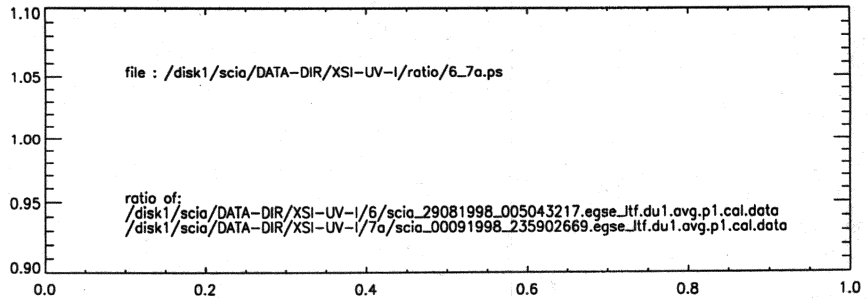

XI ratio for PMD-3
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

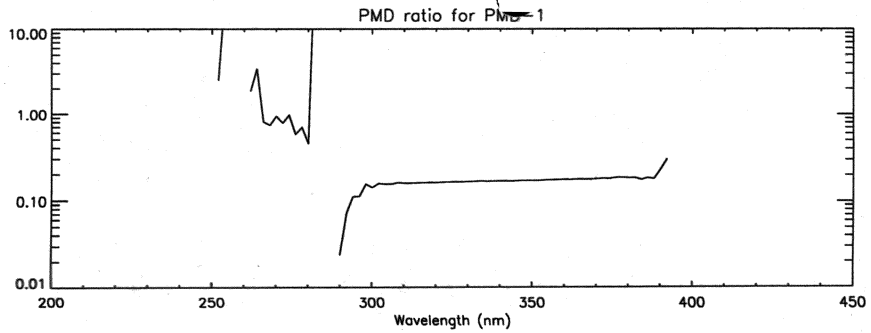

XI ratio for PMD-4
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

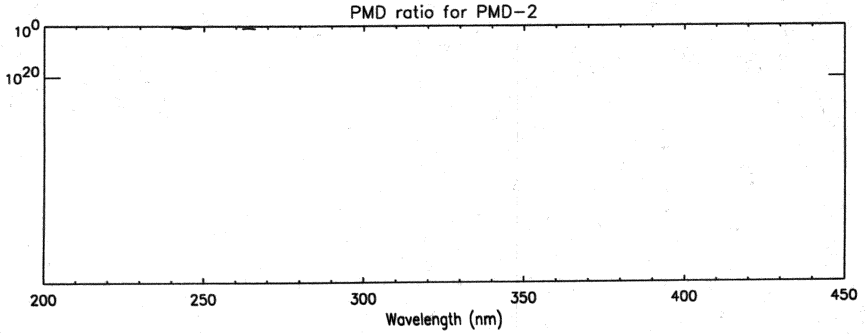

XI ratio for PMD-5
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

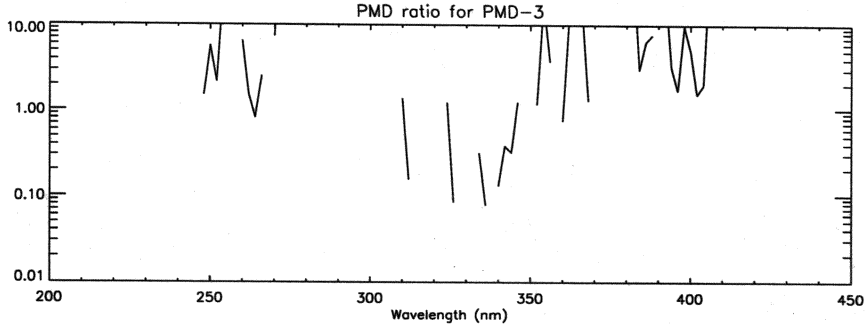

XI ratio for PMD-6
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

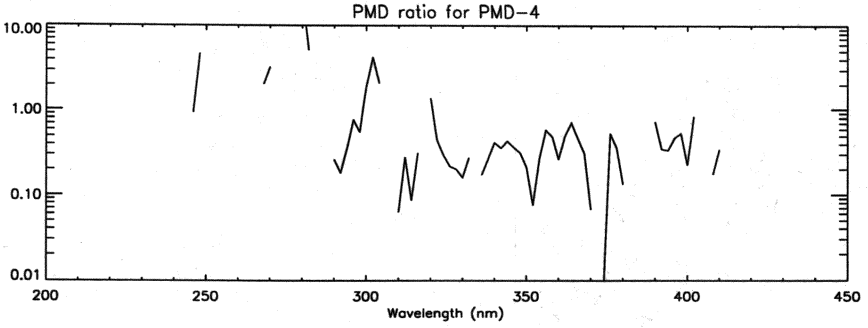

XI ratio for PMD-7
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

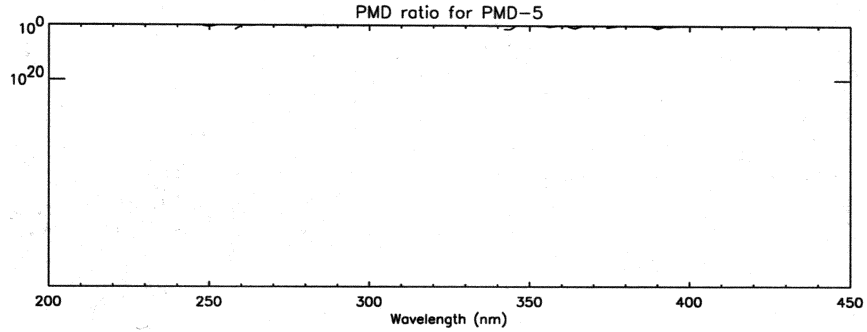

1.10
1.05
1.00
0.95
0.90
0.0
0.2
0.4
0.6
0.8
1.0
file : /disk1/scia/DATA-DIR/XSI-UV-1/ratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data

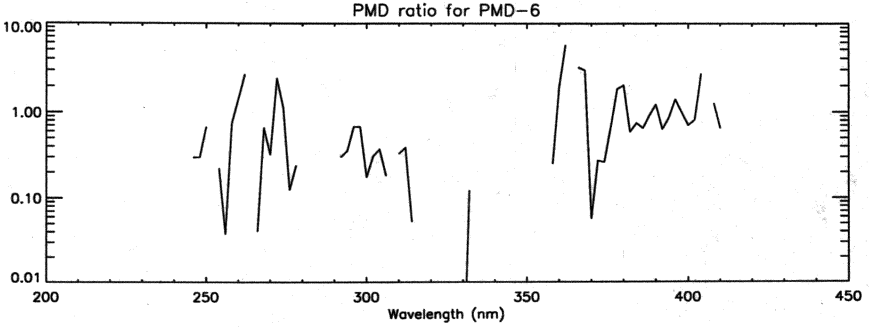

PMD ratio for PMD-1
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

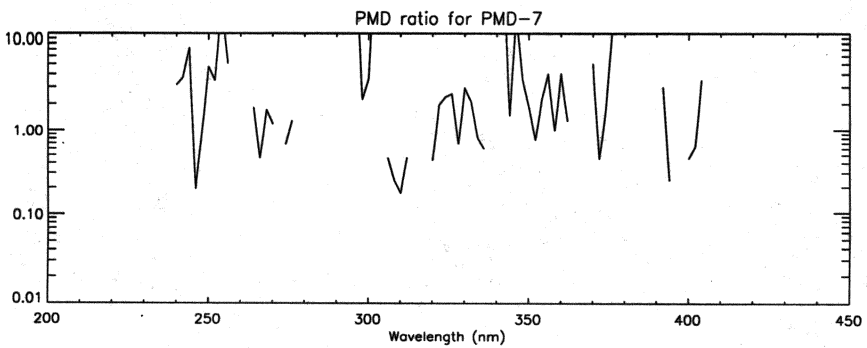

PMD ratio for PMD-2
10^0
10^20
200
250
300
350
400
450
Wavelength (nm)

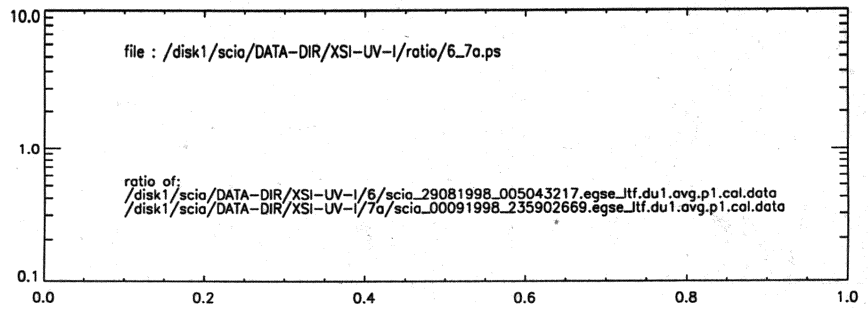

PMD ratio for PMD-3
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

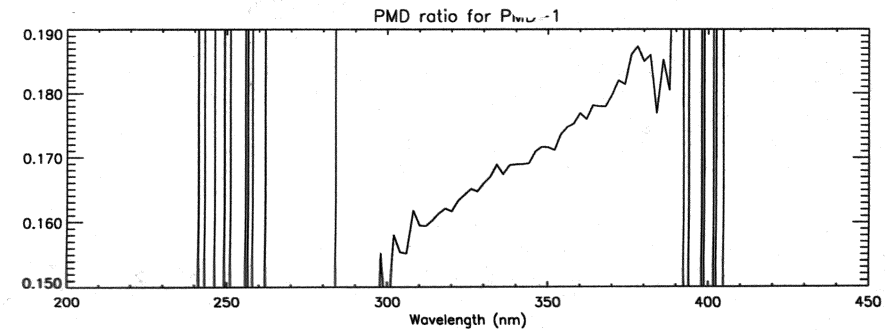

PMD ratio for PMD-4
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

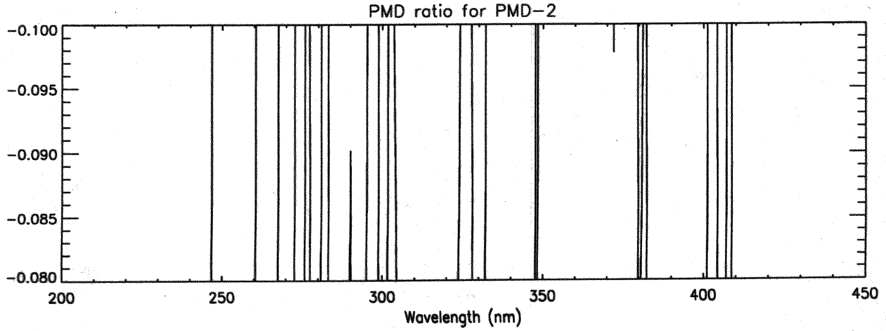

PMD ratio for PMD-5
10^0
10^20
200
250
300
350
400
450
Wavelength (nm)

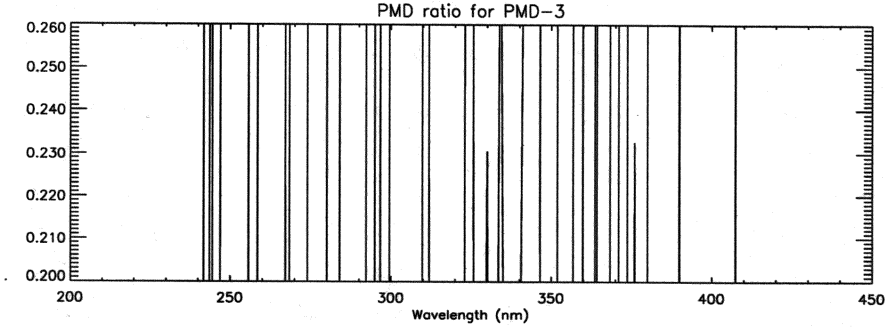

PMD ratio for PMD-6
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

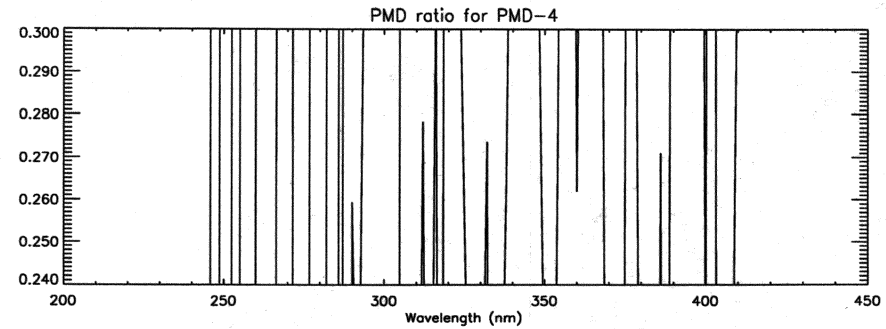

PMD ratio for PMD-7
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

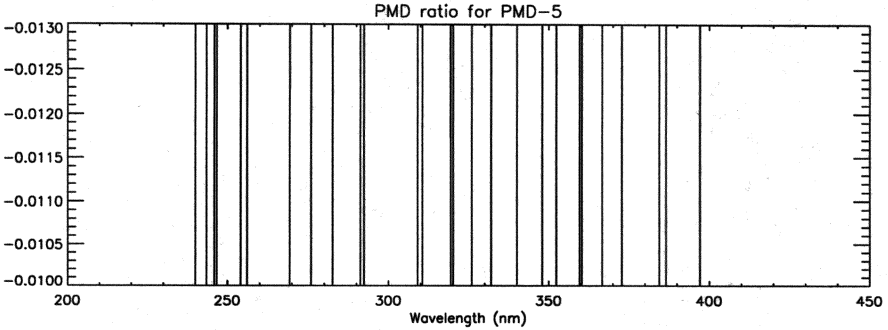

10.0
1.0
0.1
0.0
0.2
0.4
0.6
0.8
1.0
file : /disk1/scia/DATA-DIR/XSI-UV-1/ratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data

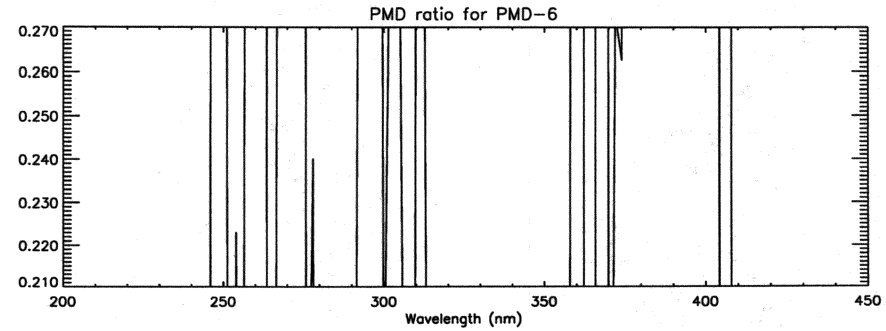

PMD ratio for PMD-1
0.190
0.180
0.170
0.160
0.150
200
250
300
350
400
450
Wavelength (nm)

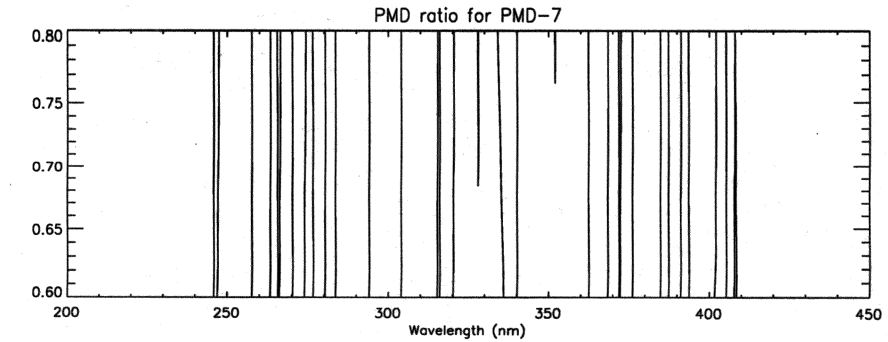

PMD ratio for PMD-2
-0.100
-0.095
-0.090
-0.085
-0.080
200
250
300
350
400
450
Wavelength (nm)

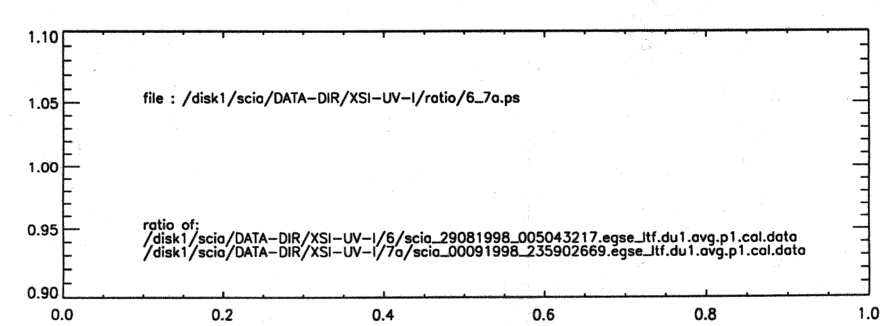

PMD ratio for PMD-3
0.260
0.250
0.240
0.230
0.220
0.210
0.200
200
250
300
350
400
450
Wavelength (nm)


PMD ratio for PMD-4
0.300
0.290
0.280
0.270
0.260
0.250
0.240
200
250
300
350
400
450
Wavelength (nm)


PMD ratio for PMD-5
-0.0130
-0.0125
-0.0120
-0.0115
-0.0110
-0.0105
-0.0100
200
250
300
350
400
450
Wavelength (nm)

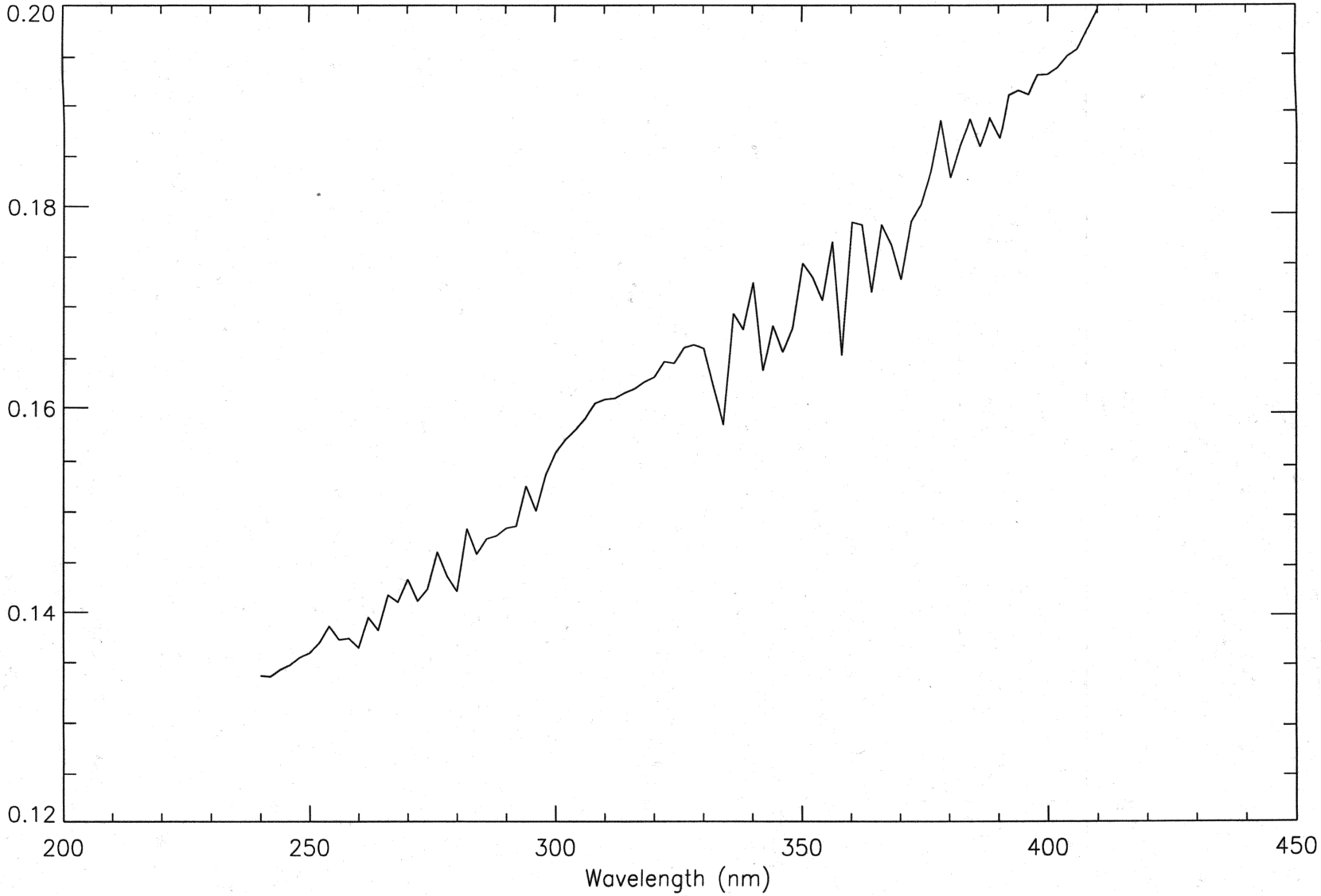

PMD ratio for PMD-6
0.270
0.260
0.250
0.240
0.230
0.220
0.210
200
250
300
350
400
450
Wavelength (nm)

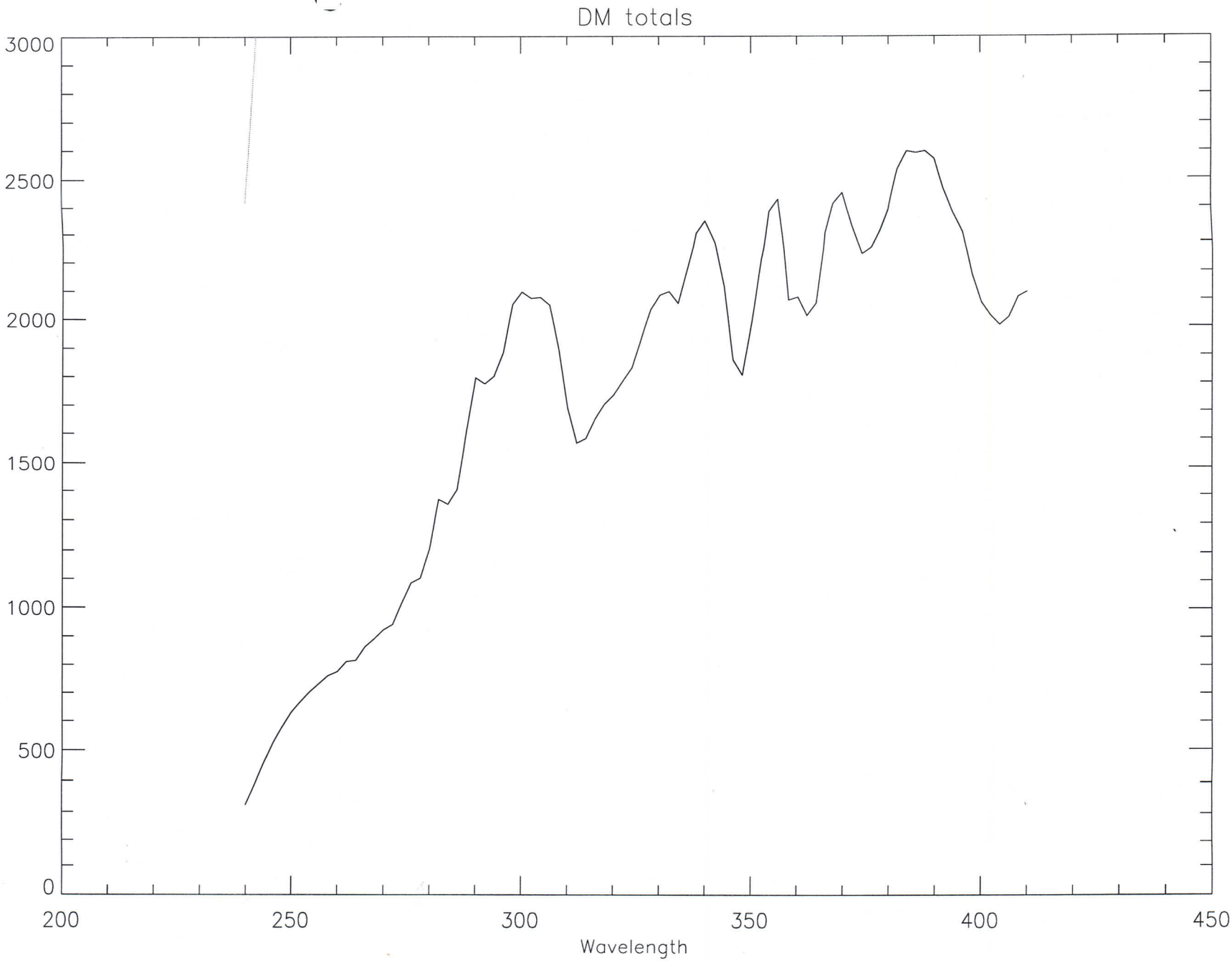

PMD ratio for PMD-7
0.80
0.75
0.70
0.65
0.60
200
250
300
350
400
450
Wavelength (nm)

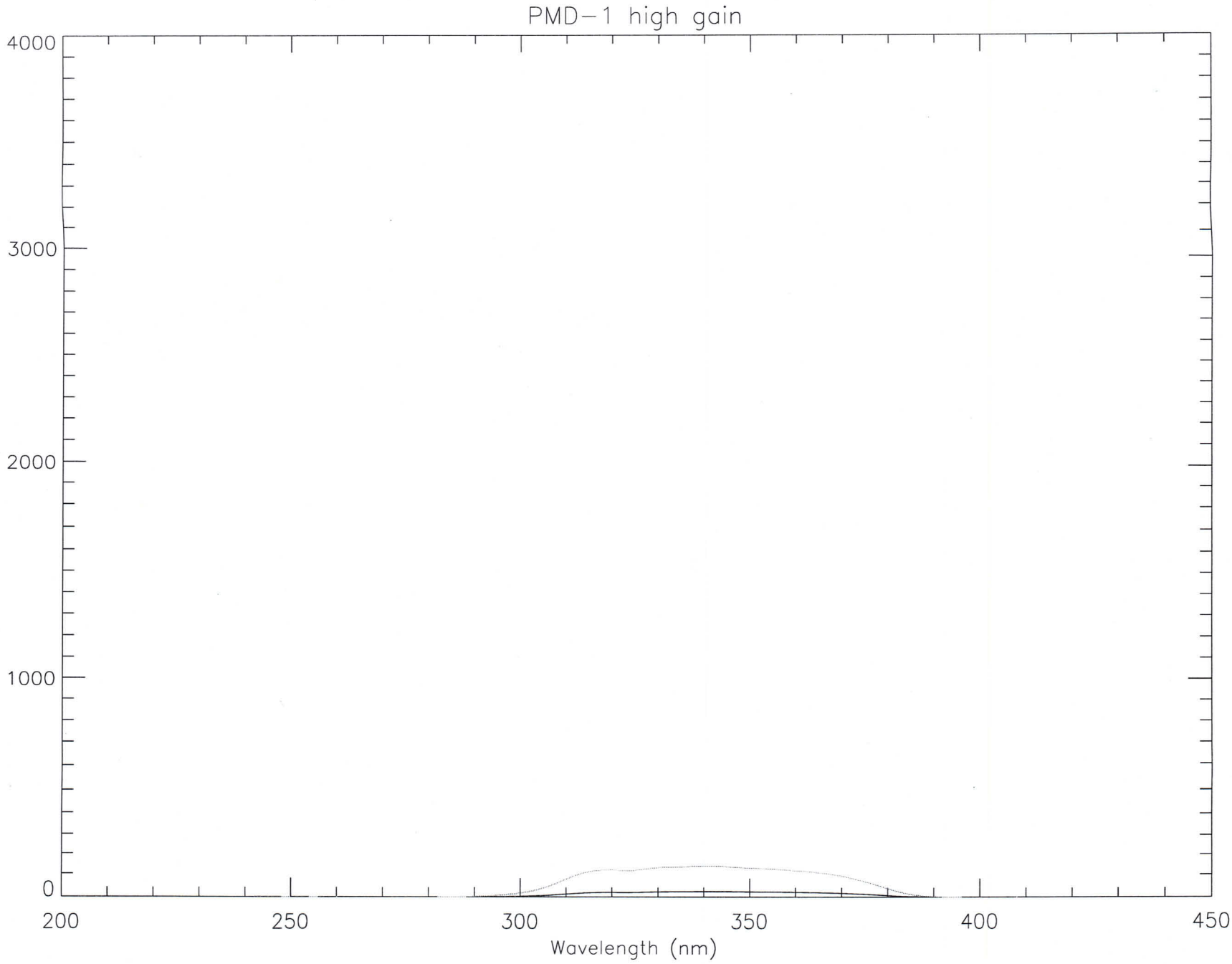

1.10
1.05
1.00
0.95
0.90
0.0
0.2
0.4
0.6
0.8
1.0
file : /disk1/scia/DATA-DIR/XSI-UV-1/ratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_1tf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_1tf.du1.avg.p1.cal.data

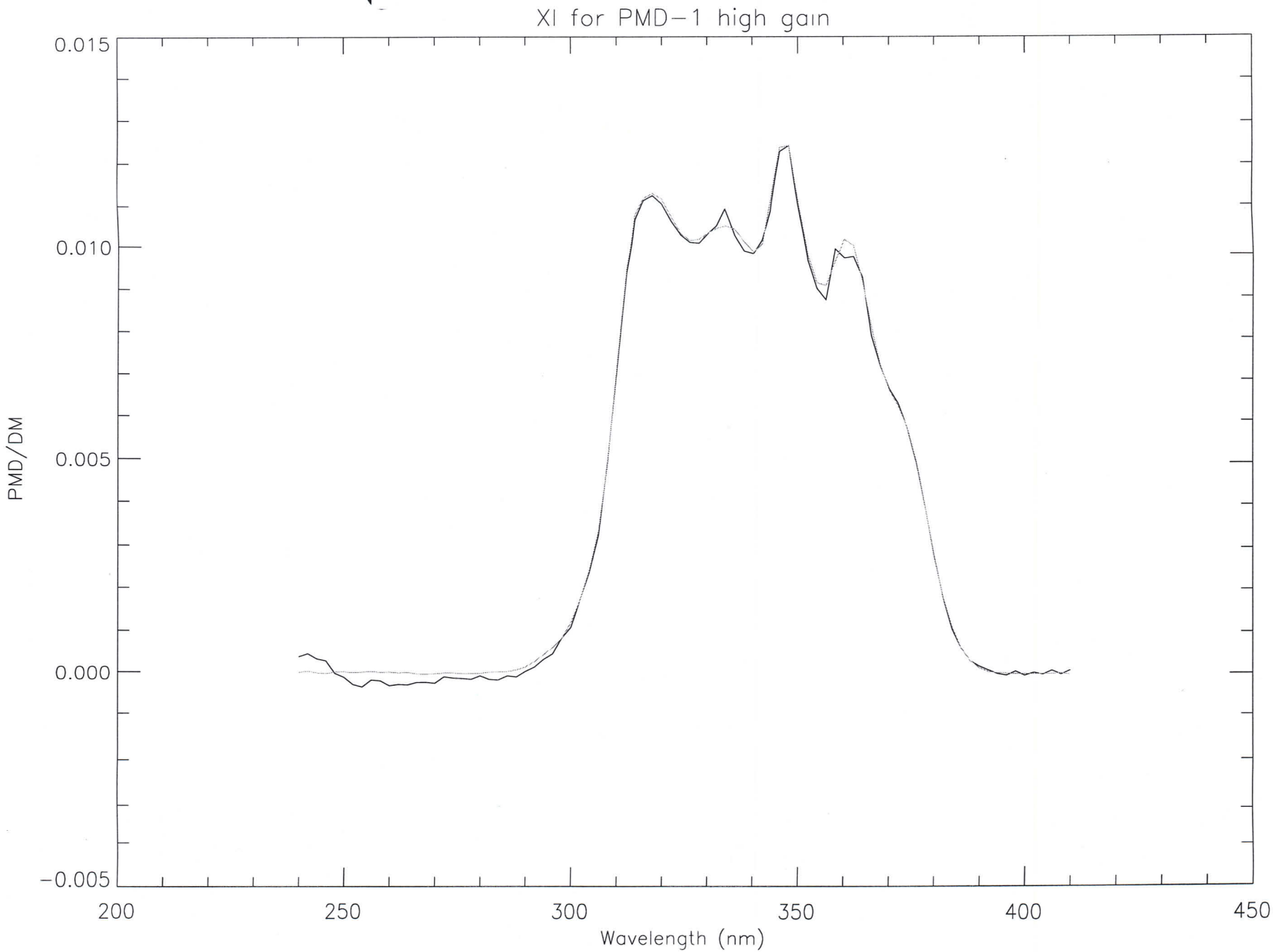
Sum of peaks
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-I/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data

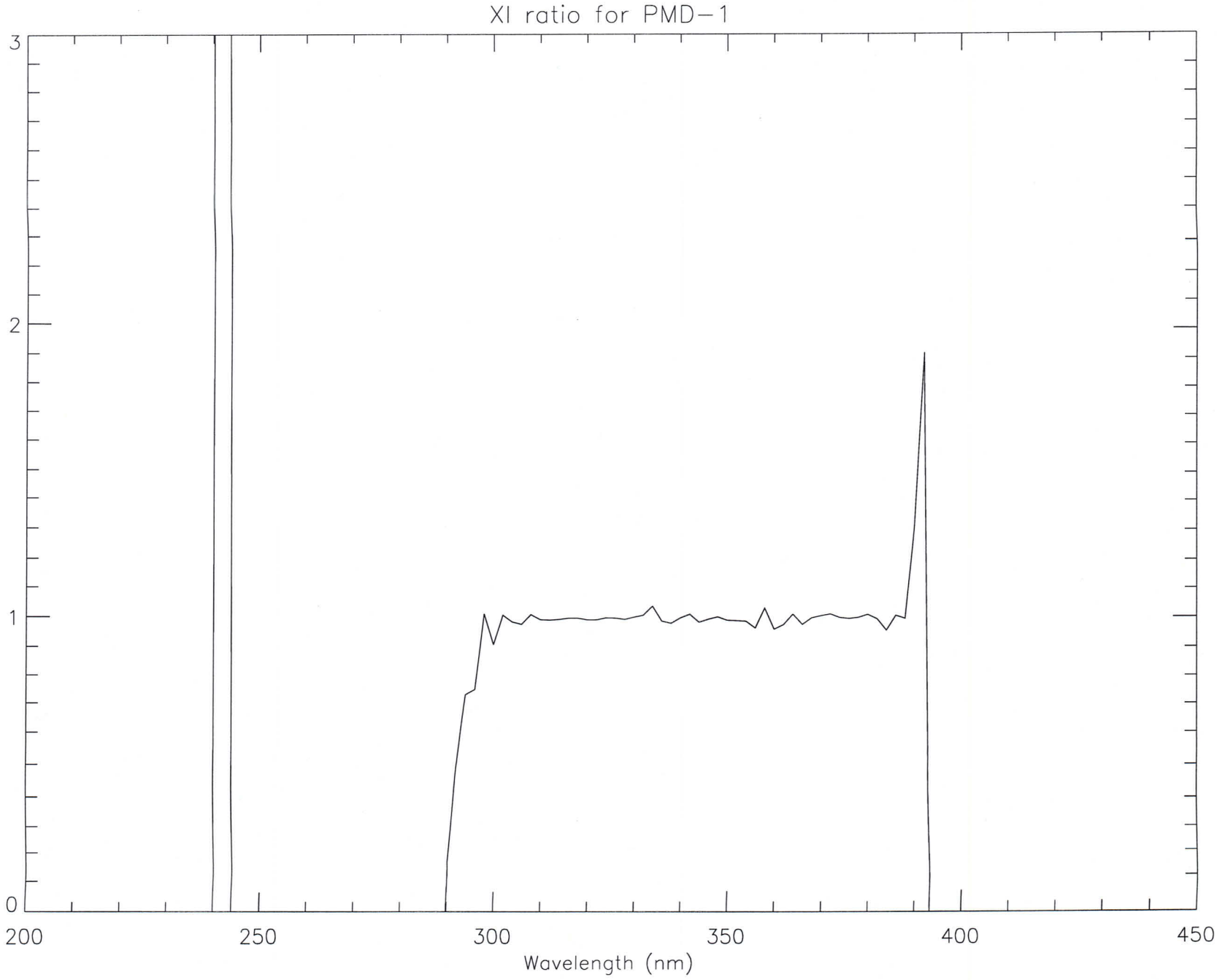
file : /disk1/scia/DATA-DIR/XSI-UV-I/ratio/6_7a.ps

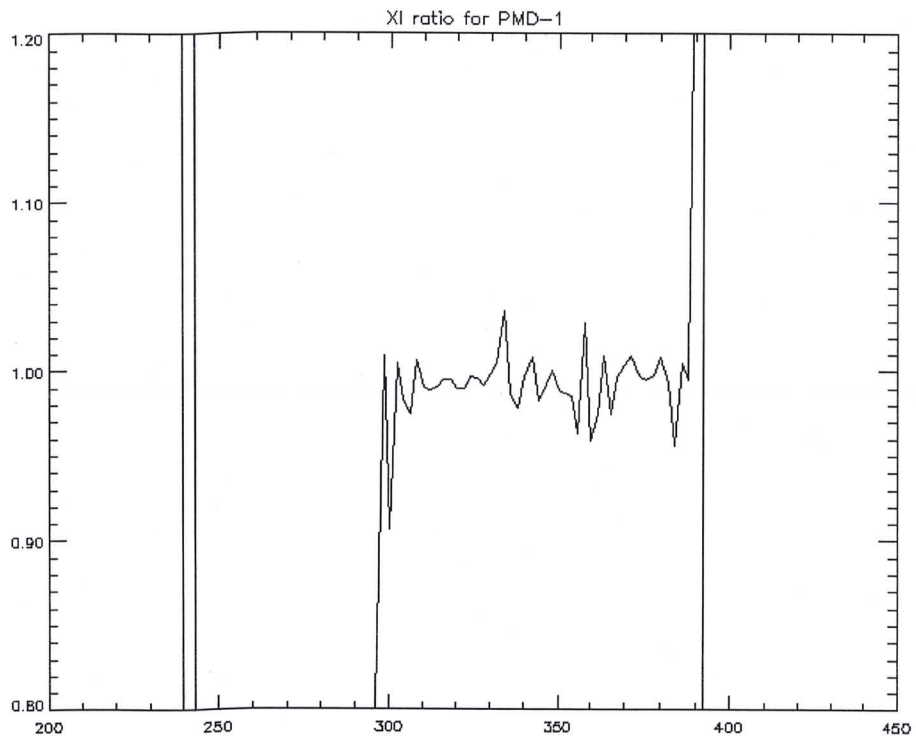


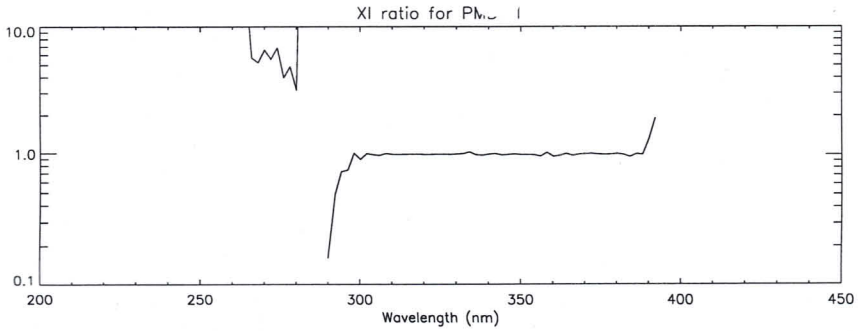

DM totals
3000
2500
2000
1500
1000
500
0
200
250
300
350
400
450
Wavelength

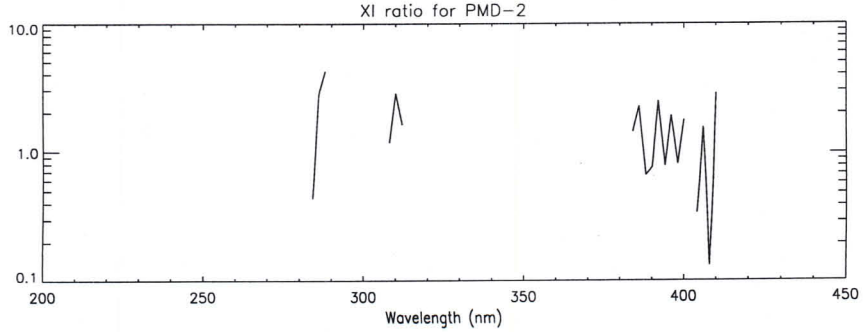

PMD−1 high gain
4000
3000
2000
1000
0
200
250
300
350
400
450
Wavelength (nm)

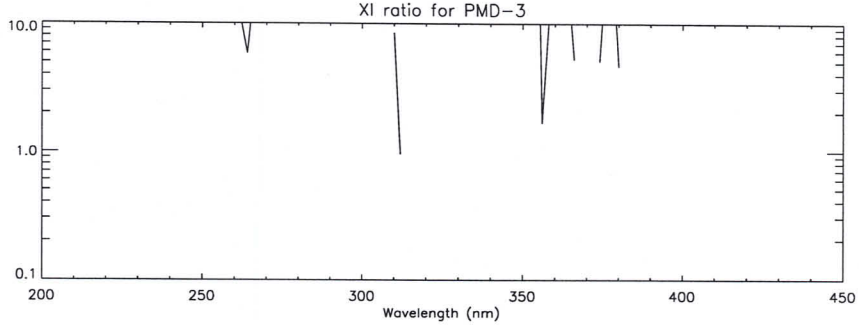

XI for PMD−1 high gain
0.015
0.010
0.005
0.000
−0.005
PMD/DM
200
250
300
350
400
450
Wavelength (nm)

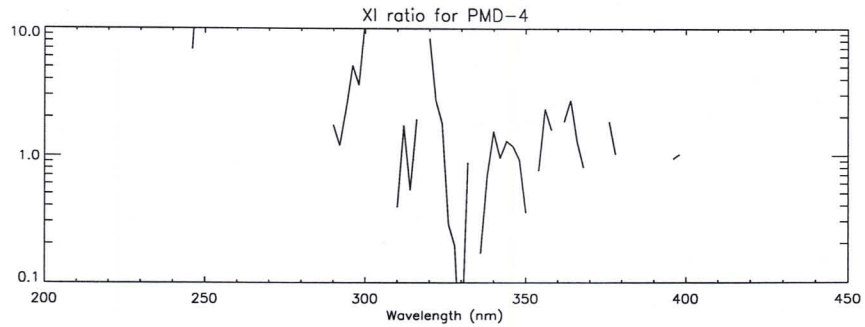

XI ratio for PMD−1
3
2
1
0
200
250
300
350
400
450
Wavelength (nm)

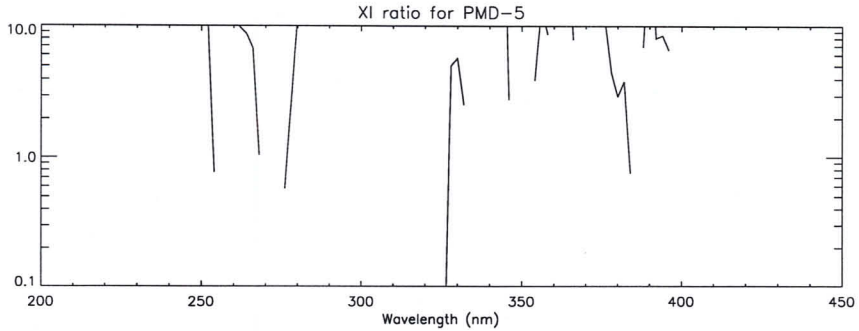

XI ratio for PMD-1
1.20
1.10
1.00
0.90
0.80
200
250
300
350
400
450

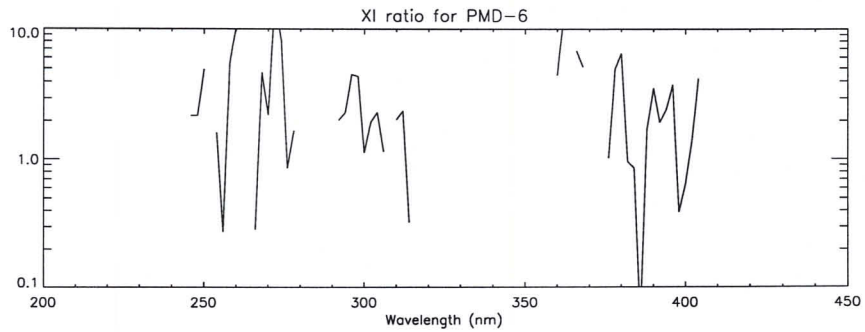

XI ratio for PMD-1
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

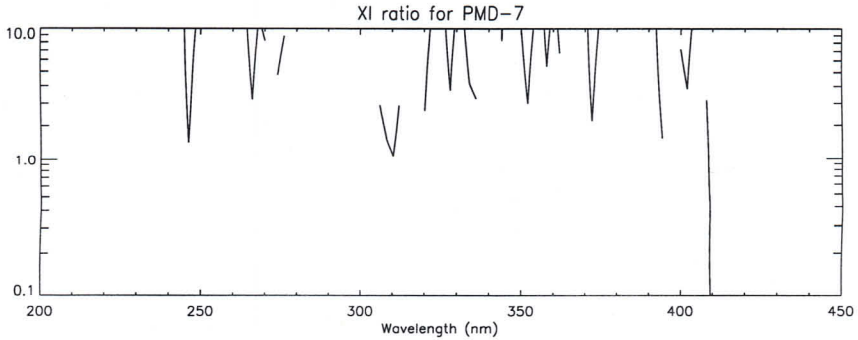

XI ratio for PMD-2
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

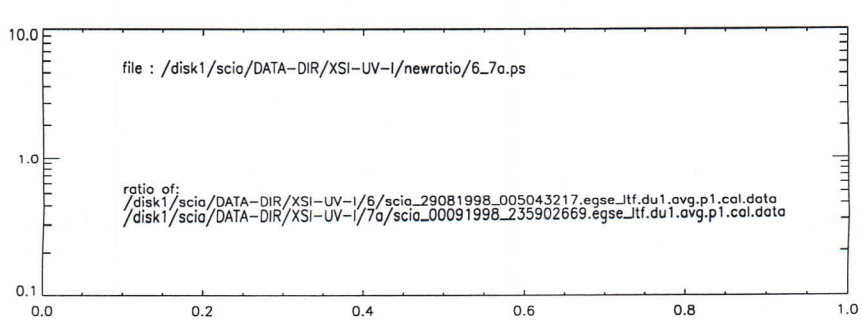

XI ratio for PMD-3
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

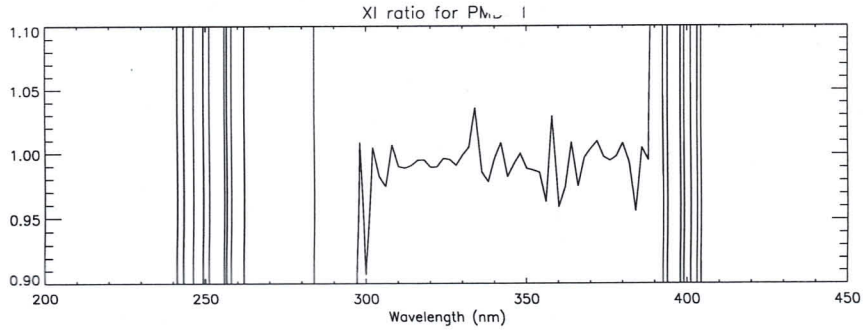

XI ratio for PMD-4
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

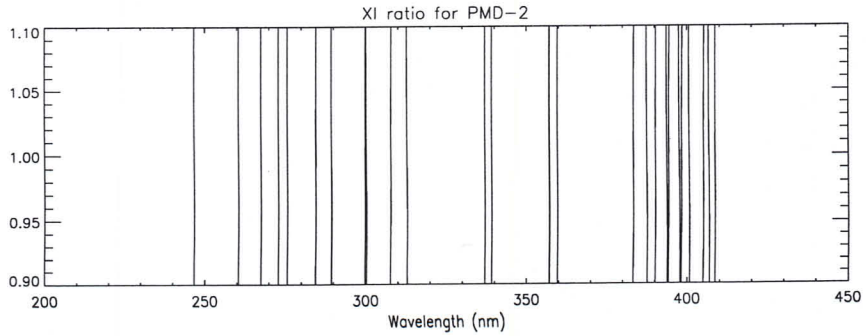

XI ratio for PMD-5
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

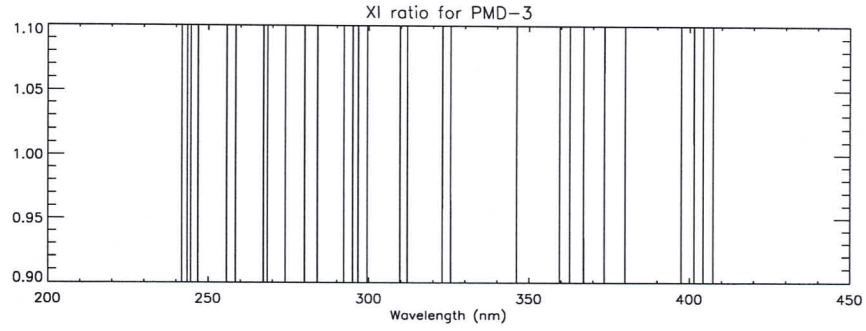

XI ratio for PMD-6
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

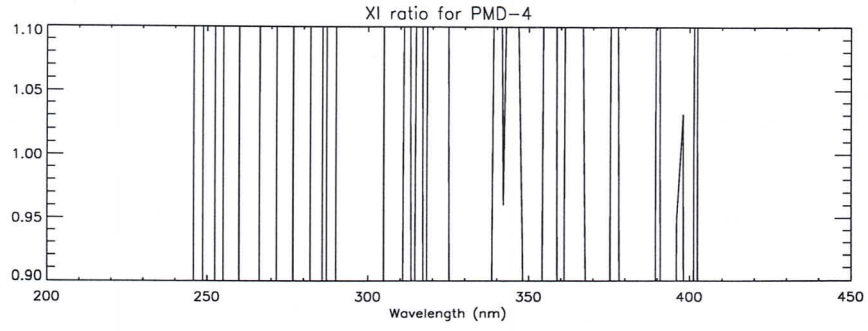

XI ratio for PMD-7
10.0
1.0
0.1
200
250
300
350
400
450
Wavelength (nm)

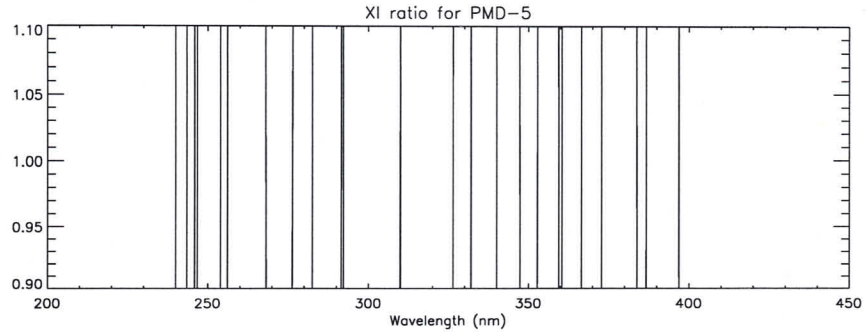

10.0
1.0
0.1
file : /disk1/scia/DATA-DIR/XSI-UV-1/newratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data
0.0
0.2
0.4
0.6
0.8
1.0

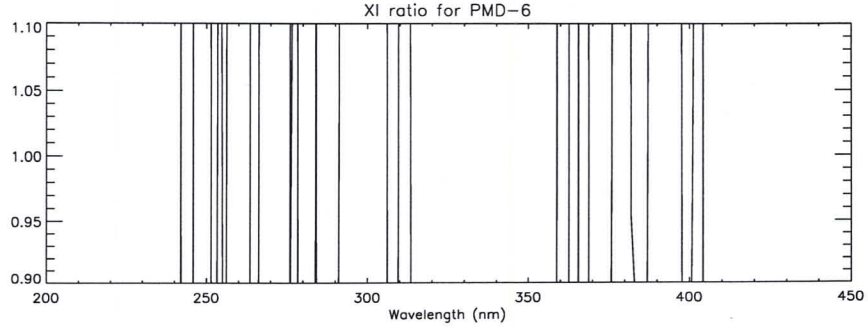

XI ratio for PMD- 1
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

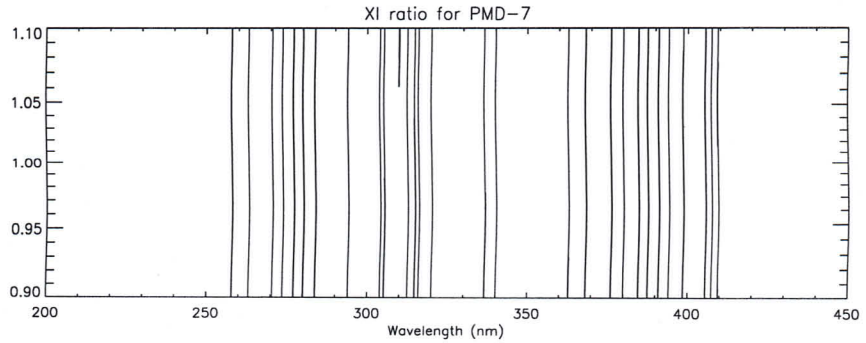

XI ratio for PMD-2
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

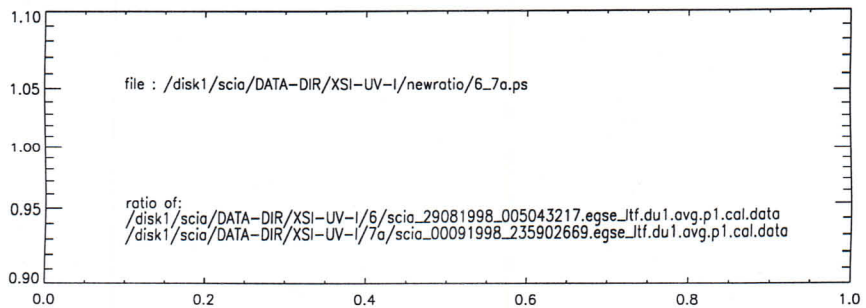

XI ratio for PMD-3
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

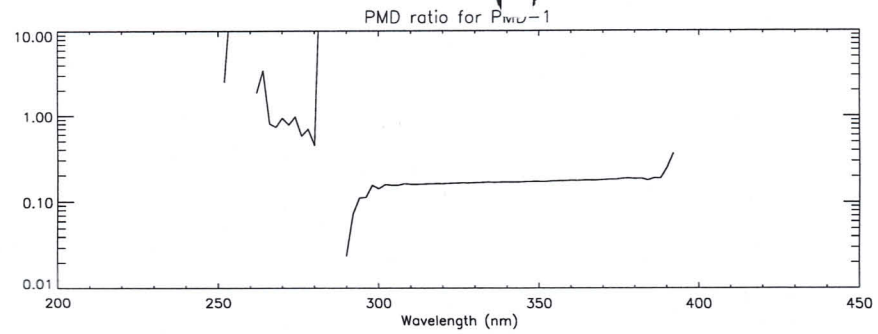

XI ratio for PMD-4
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

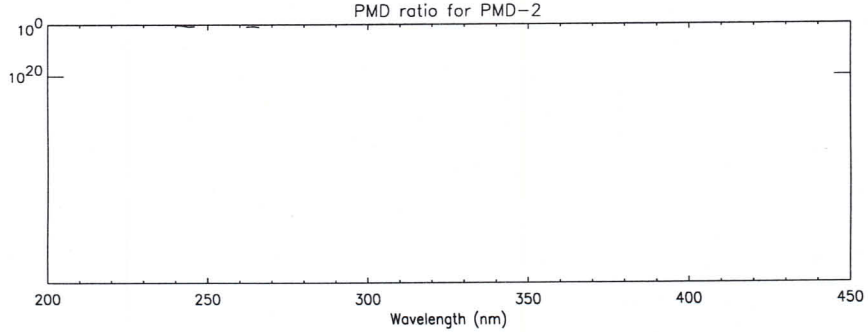

XI ratio for PMD-5
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

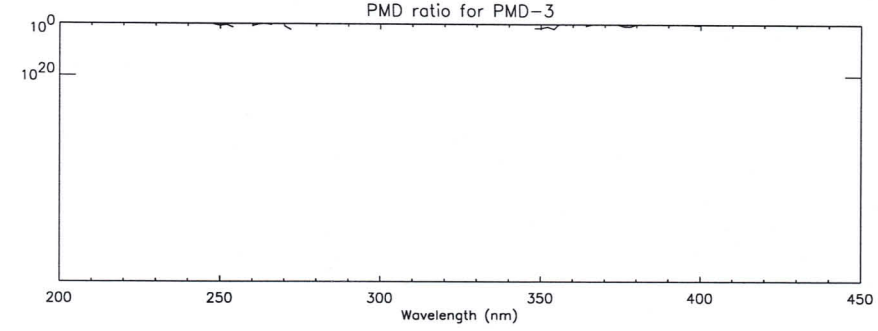

XI ratio for PMD-6
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

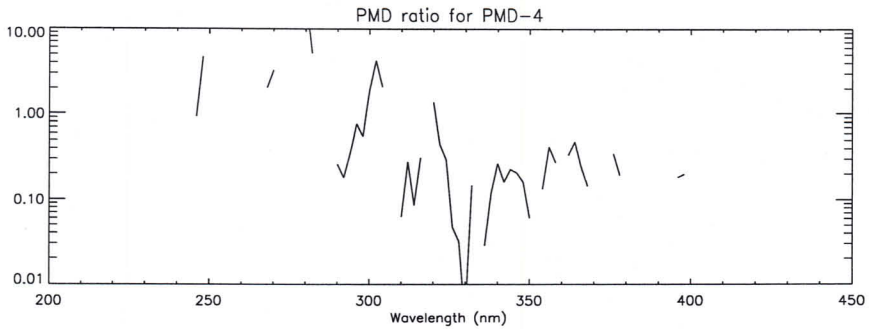

XI ratio for PMD-7
1.10
1.05
1.00
0.95
0.90
200
250
300
350
400
450
Wavelength (nm)

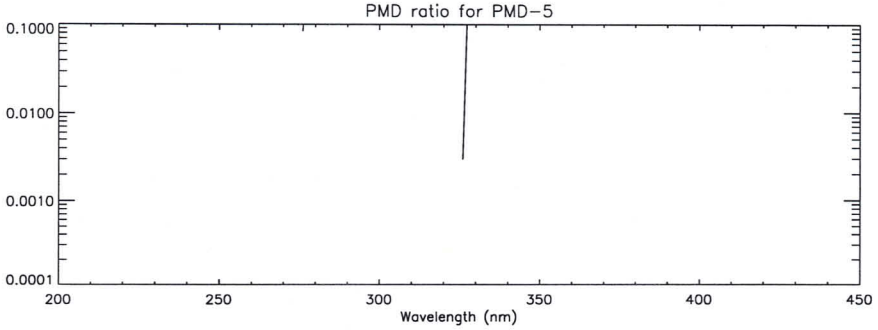

1.10
1.05
1.00
0.95
0.90
file : /disk1/scia/DATA-DIR/XSI-UV-1/newratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data
0.0
0.2
0.4
0.6
0.8
1.0

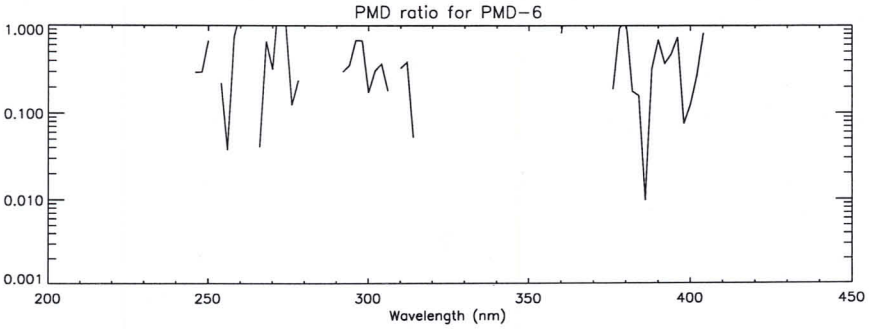

PMD ratio for PMD-1
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

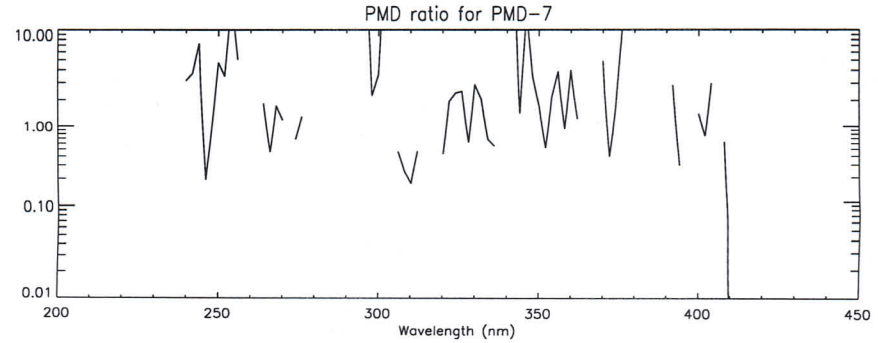

PMD ratio for PMD-2
10^0
10^{20}
200
250
300
350
400
450
Wavelength (nm)

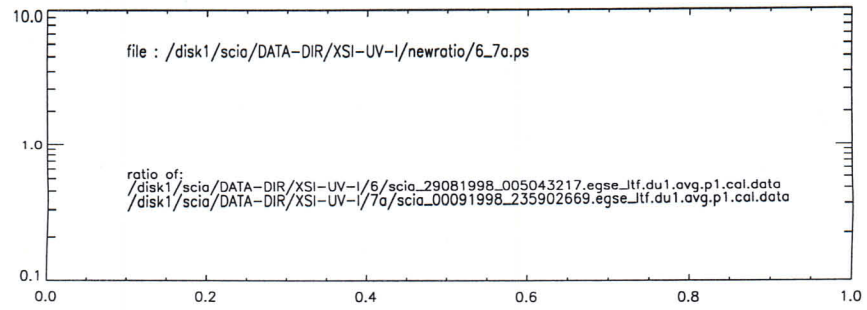

PMD ratio for PMD-3
10^0
10^{20}
200
250
300
350
400
450
Wavelength (nm)

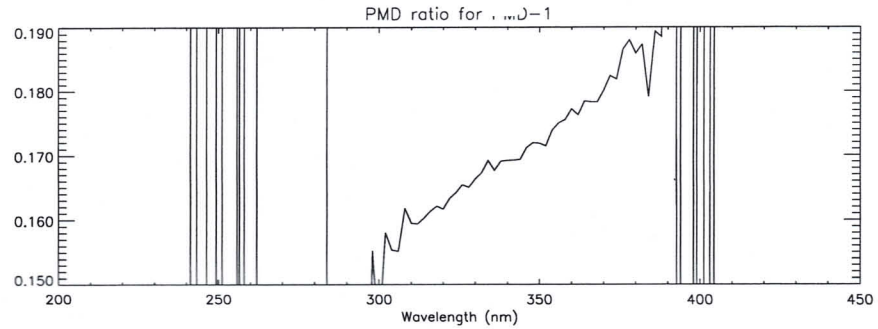

PMD ratio for PMD-4
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

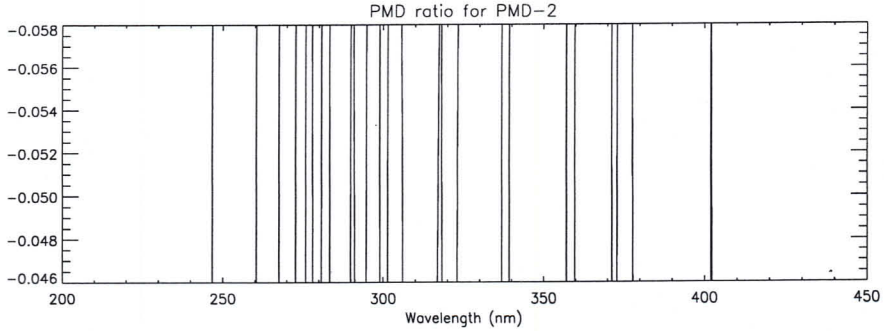

PMD ratio for PMD-5
0.1000
0.0100
0.0010
0.0001
200
250
300
350
400
450
Wavelength (nm)

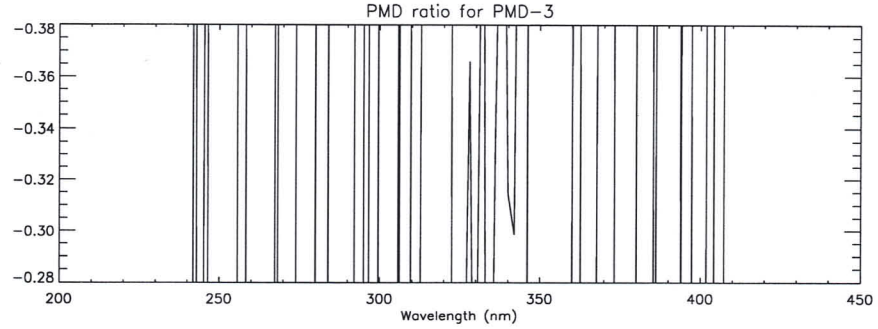

PMD ratio for PMD-6
1.000
0.100
0.010
0.001
200
250
300
350
400
450
Wavelength (nm)

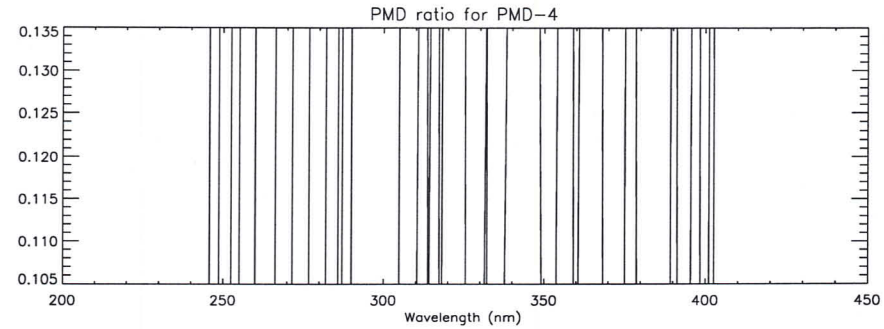

PMD ratio for PMD-7
10.00
1.00
0.10
0.01
200
250
300
350
400
450
Wavelength (nm)

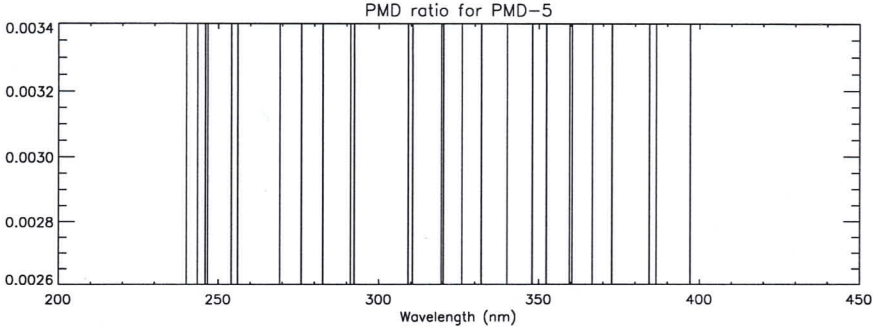

10.0
1.0
0.1
file : /disk1/scia/DATA-DIR/XSI-UV-1/newratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data
0.0
0.2
0.4
0.6
0.8
1.0

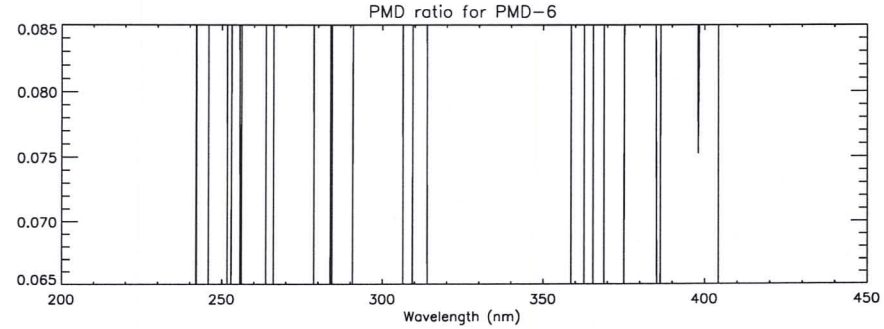

PMD ratio for PMD-1
0.190
0.180
0.170
0.160
0.150
200
250
300
350
400
450
Wavelength (nm)

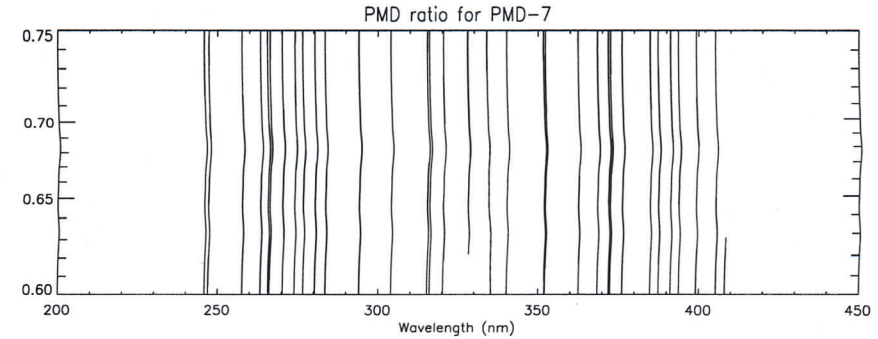

PMD ratio for PMD-2
-0.058
-0.056
-0.054
-0.052
-0.050
-0.048
-0.046
200
250
300
350
400
450
Wavelength (nm)

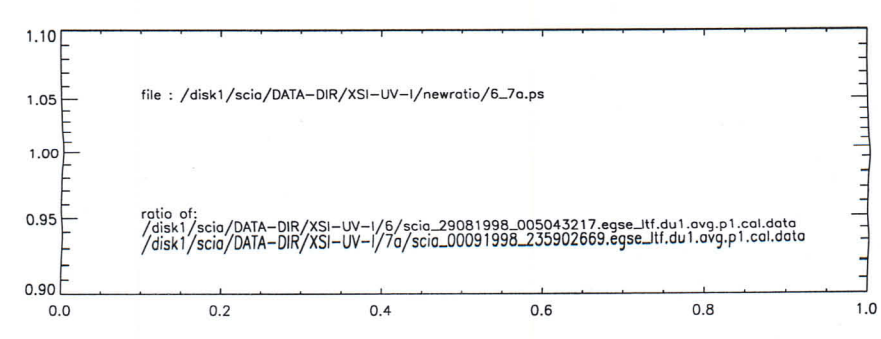

PMD ratio for PMD-3
-0.38
-0.36
-0.34
-0.32
-0.30
-0.28
200
250
300
350
400
450
Wavelength (nm)


PMD ratio for PMD-4
0.135
0.130
0.125
0.120
0.115
0.110
0.105
200
250
300
350
400
450
Wavelength (nm)


PMD ratio for PMD-5
0.0034
0.0032
0.0030
0.0028
0.0026
200
250
300
350
400
450
Wavelength (nm)

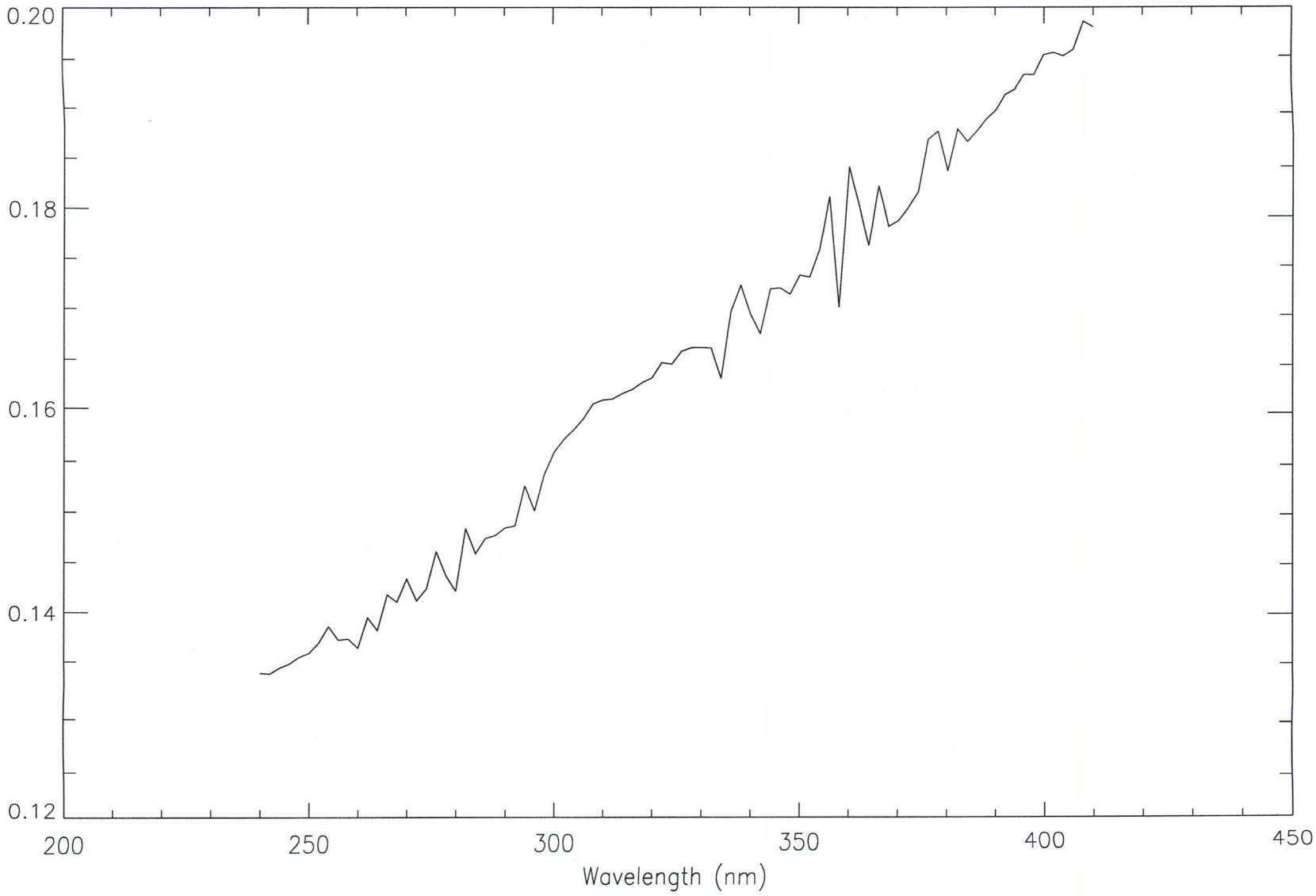

PMD ratio for PMD-6
0.085
0.080
0.075
0.070
0.065
200
250
300
350
400
450
Wavelength (nm)


PMD ratio for PMD-7
0.75
0.70
0.65
0.60
200
250
300
350
400
450
Wavelength (nm)


1.10
1.05
1.00
0.95
0.90
0.0
0.2
0.4
0.6
0.8
1.0
file : /disk1/scia/DATA-DIR/XSI-UV-1/newratio/6_7a.ps
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-1/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-1/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data

Sum of peaks
ratio of:
/disk1/scia/DATA-DIR/XSI-UV-I/6/scia_29081998_005043217.egse_ltf.du1.avg.p1.cal.data
/disk1/scia/DATA-DIR/XSI-UV-I/7a/scia_00091998_235902669.egse_ltf.du1.avg.p1.cal.data

file : /disk1/scia/DATA-DIR/XSI-UV-I/newratio/6_7a.ps



LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
02-09-08	WLS-Int	
	Light seems oke ; high noise in channel 6	
	Dark seems oke	
	Ratio with WLS_Int 113 seems oke	
	Etalon strange bump at the end of channel 3 (the same as WLS-Int 13)	
	PPG seems oke	

Formal Run of Measurement

(Measurement ID) W/S-Int

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	+45,0	deg
Elevation	+10,523	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	44	45								
Repetitions										

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	4	1						
1b	4	1						
2b	0,5	8						
2a	0,5	8						
3	0,125	32						
4	0,0625	64						
5	0,0625	64						
6	H8	64						
7	H7	64						
8	H6	64						
State ID								

Step 15-1

Stimuli Settings for Existing Blocks in Measurement

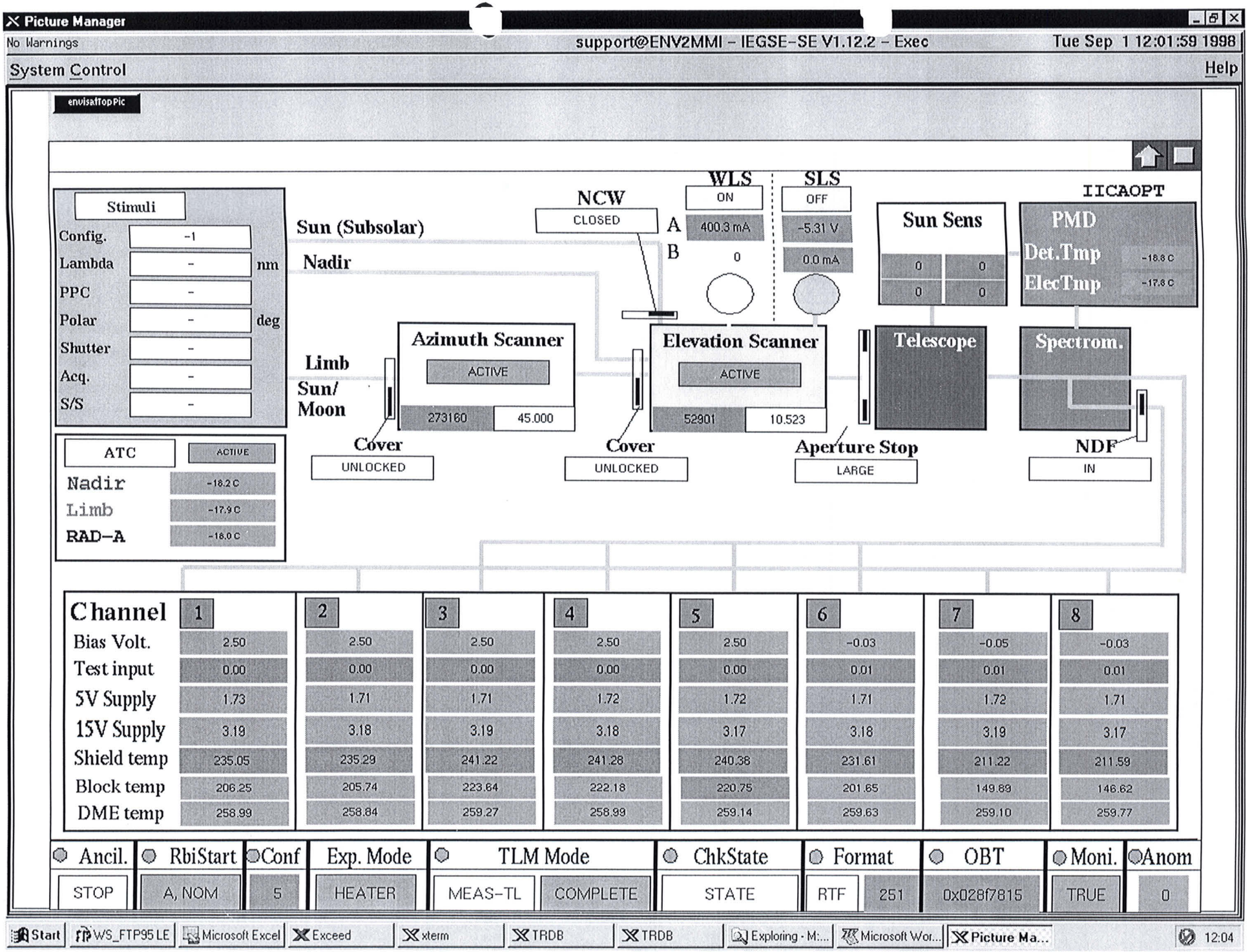
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]

Measurement Data Description

Test Purpose	UID 25
Remark	
Data Directory	0244_11.57.18_WLS.IMT

Signatures

	Date	Signature
Issued	01-09-98	M. Stopp
< Performed	1.9.98	A. [illegible]


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Sep 1 12:01:59 1998
System Control
Help
envisatTopPic
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
ON
A 400.3 mA
B 0
SLS
OFF
-5.31 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.8 C
ElecTmp -17.6 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
52901 10.523
Telescope
Spectrom.
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
NDF
IN
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
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 235.05 235.29 241.22 241.28 240.36 231.61 211.22 211.59
Block temp 206.25 205.74 223.64 222.18 220.75 201.65 149.69 146.62
DME temp 258.99 258.84 259.27 258.99 259.14 259.63 259.10 259.77
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 251
OBT 0x028f7815
Moni. TRUE
Anom 0
Start
WS_FTP95 LE
Microsoft Excel
Exceed
xterm
TRDB
TRDB
Exploring - M:...
Microsoft Wor...
Picture Ma...
12:04

Formal Run of Measurement (Measurement ID) WLS-Int

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	+45,0	deg
Elevation	+10,523	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	44	45								
Repetitions										

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	4	1						
1b	4	1						
2b	0,5	8						
2a	0,5	8						
3	0,125	32						
4	0,0625	64						
5	0,0625	64						
6	H8	64						
7	H7	64						
8	H8	64						
State ID								

Step 15-1

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]

Measurement Data Description

Test Purpose	UID 25
Remark	
Data Directory	0244_11.57.18_WLS.IMT

Signatures

	Date	Signature
Issued	01-09-98	M. Stopp
< Performed	1.9.98	A. Ruh

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nijssen. 010998	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia_01091998_R0024600.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	PJ Nijssen.
Date and time	010998 13:25
Signature	

STEP	ACTION	RESULT	MARKER
Intro	Your name:	PD Nyssen.	
	Date:	010998	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia-010919gg-12002400.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l		Note: In window DATA-DIR
	highest number in directory?	14	(B)
	New directory: mkdir <B+1> ls -l		
	What's now the highest number in directory?	15	(C)
	<C> should be <B> + 1	(Y) / N	
	directory name is:	~/DATA-DIR/WLS/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the valueof the correction subdirectory corresponding to the current date. When running the PPG analysis, you will be asked to select this direcotory when storing the resulting PPG correction file.	1	In DATA-DIR window

	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	

PPG processing

Run PPG	`idl do_ppg`		In IDL window
Check PPG	`ls -l *`		In DATA-DIR Window should be approx 150Kb
	Size of file `*.du*.cal.ppg.cal`	146 Kb	
	Size of file `*.du*.cal.ppg.cal.log`	363 b.	
	Size of file `*.du*.cal.ppg.cal.ps`	145526 b	
Check PPG visually	`lpr -P<printer> *.du*.cal.ppg.cal.ps` Value of PPG should show only a small variation around 1.0 (like noise).	(Y) / N	
	Add postscript images to logbook, done	(Y) / N	
Print logfiles	`lpr -P<printer> *.du*.cal.ppg.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	PD
	Date and time	01 09 08 13:49

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PD Nijssen 010998	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia-010919980_12002460o.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l highest number in directory?	(14)	Note: In window DATA-DIR (B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory? <C> should be <B> + 1 directory name is:	15 (Y) / N ~/DATA-DIR/WLS/<C>	(Do this only when you haven't already a directory with the source file for PPG purposes.) (C) (DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the valueof the correction subdirectory corresponding to the current date. When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.	4	In DATA-DIR Window

	Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is:	Y / N _____	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.log` Add logfiles to logbook, done	Y / N	

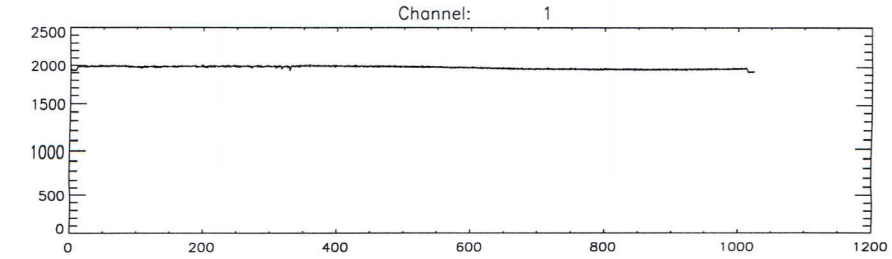
ETALON processing			
Run ETALON	`idl do_etalon`		In IDL window
Check ETALON	`ls -l <DIR-NAME>/*`		In DATA-DIR window should be approx 150Kb
	Size of file `*.du*.avg.cal.etalon.cal`	146 kb.	
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.cal.ps` Value of ETALON should show only a small variation around 1.0 (like noise).	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log` Add logfiles to logbook, done	Y / N	

(*) When asked a file containing reference WLS spectrum (START_OF_CAL) seled the right subdirectory START_OF_CAL_WARM or START_OF_CAL_COLD. (depending on detector temps.

if using an external lamp use: EXTERN - START_OF_CAL_COLD OR EXTERN - START_OF_CAL_WARM

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	_____ PJ Nysse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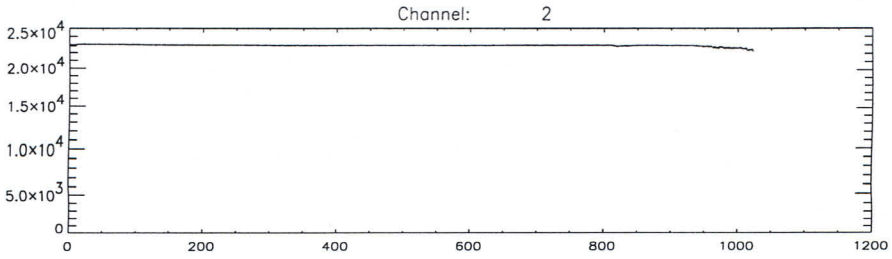
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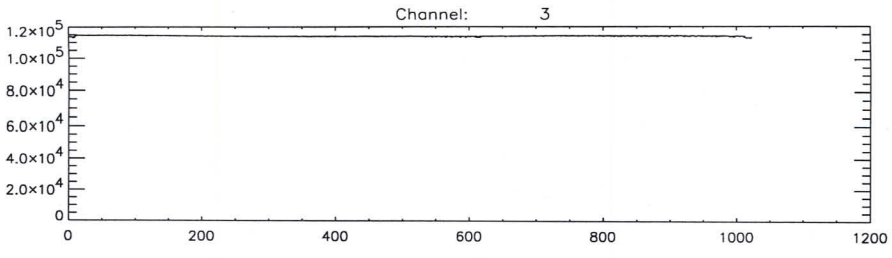
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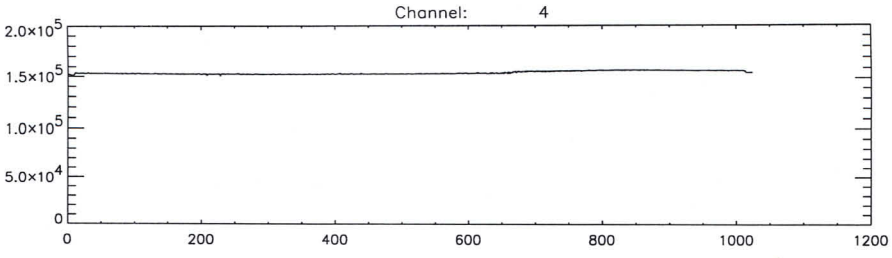
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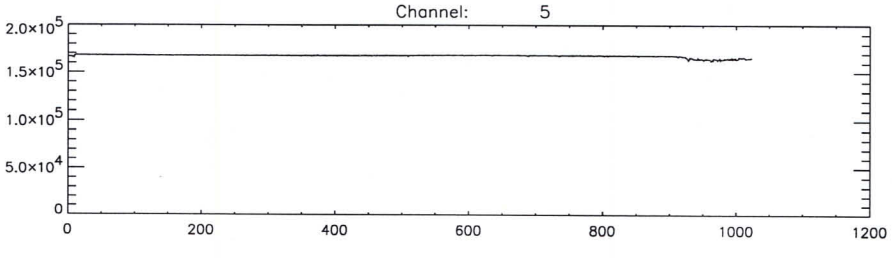
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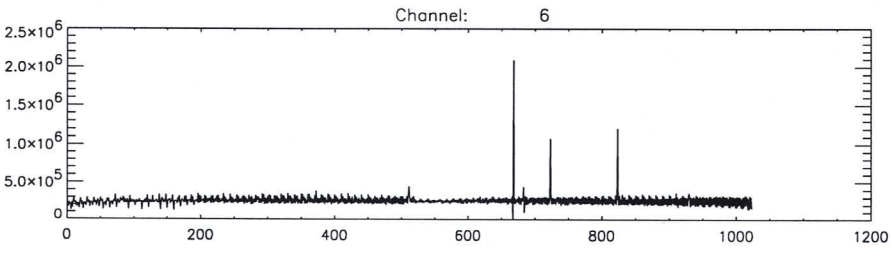
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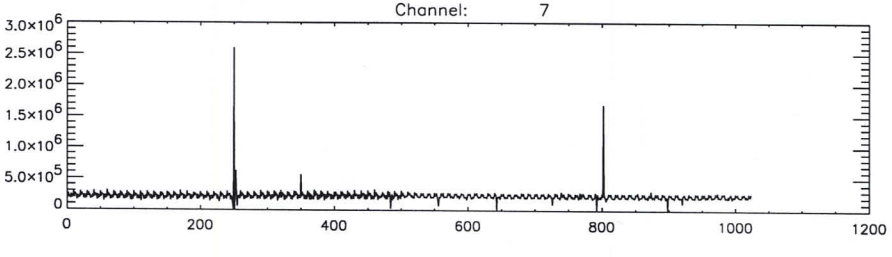
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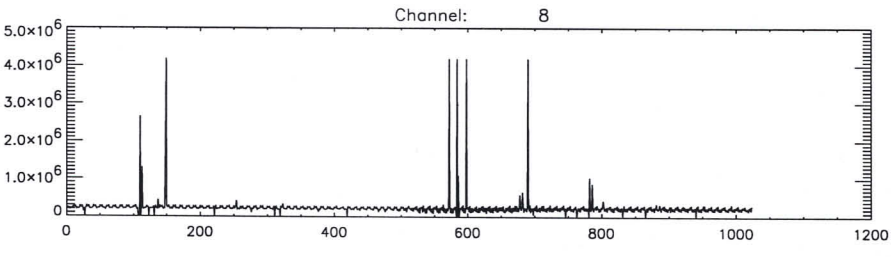
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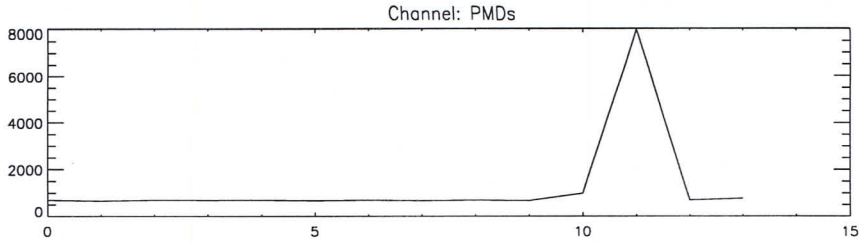
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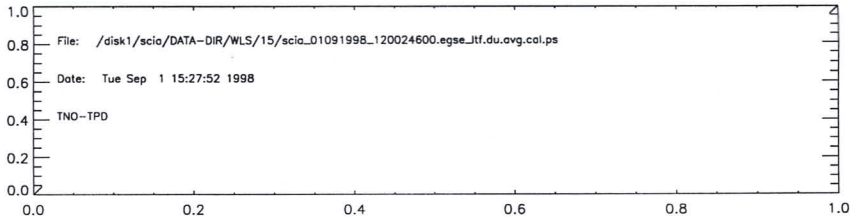
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Date: Tue Sep 1 15:27:52 1998
TNO-TPD
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0.2
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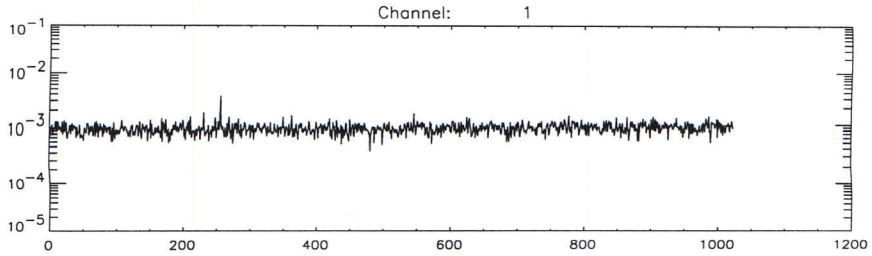
0.8
1.0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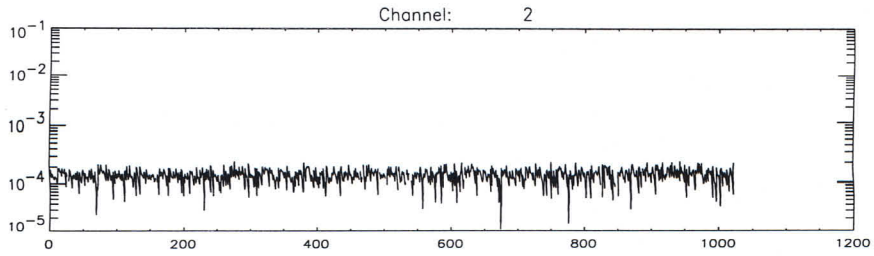
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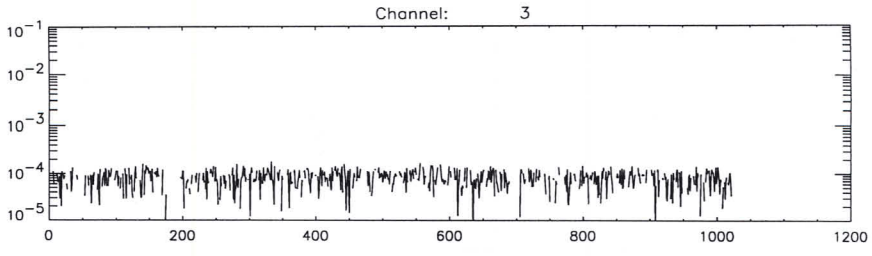
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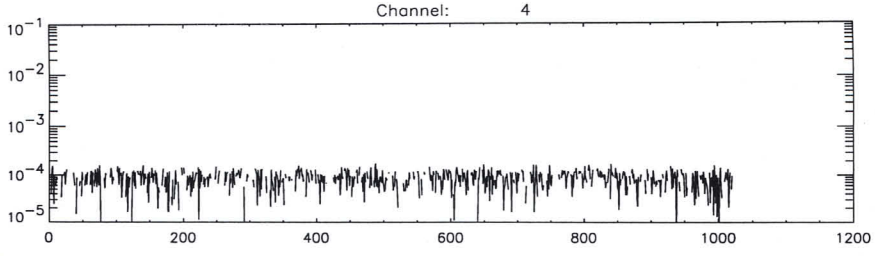
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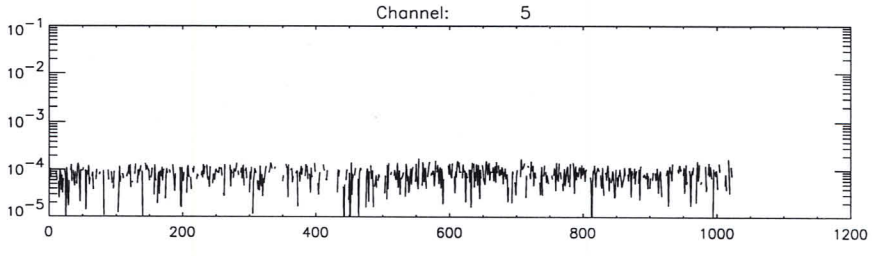
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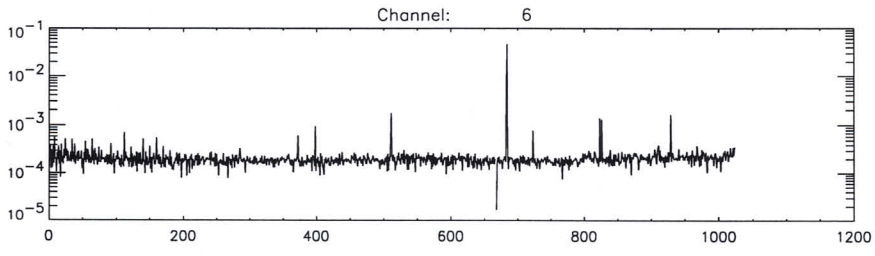
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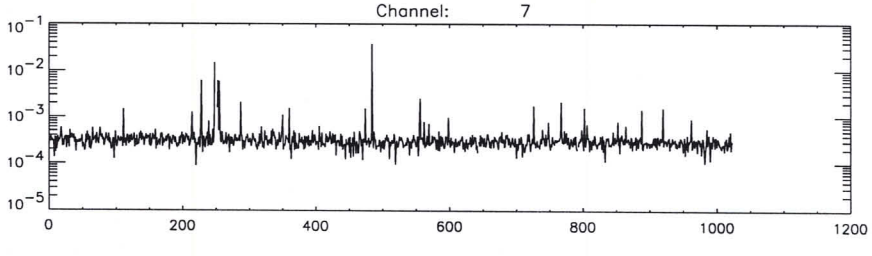
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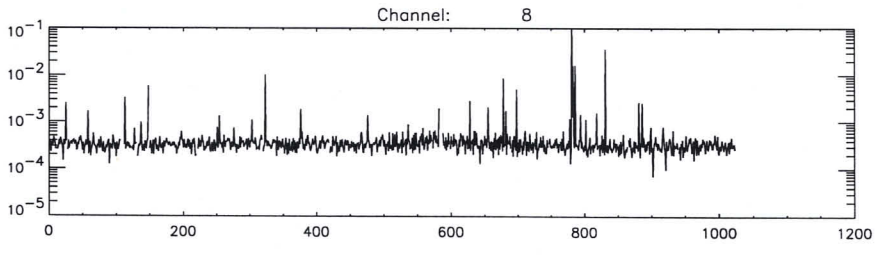
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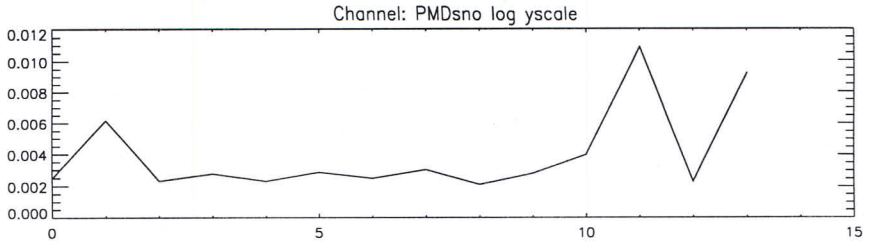
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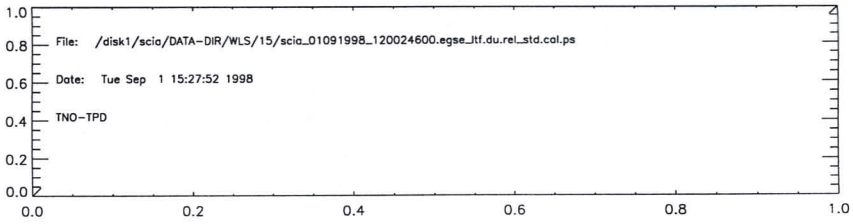
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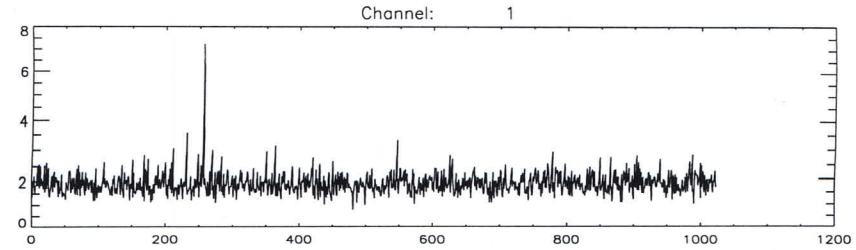
Date: Tue Sep 1 15:27:52 1998
TNO-TPD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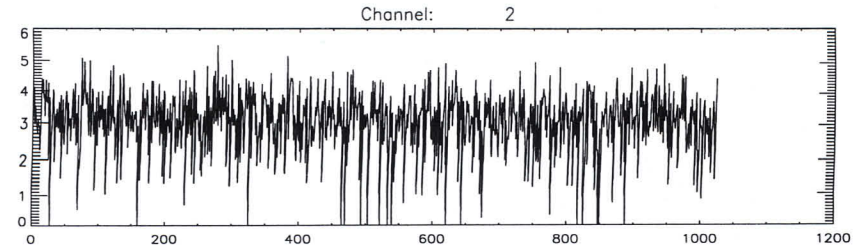
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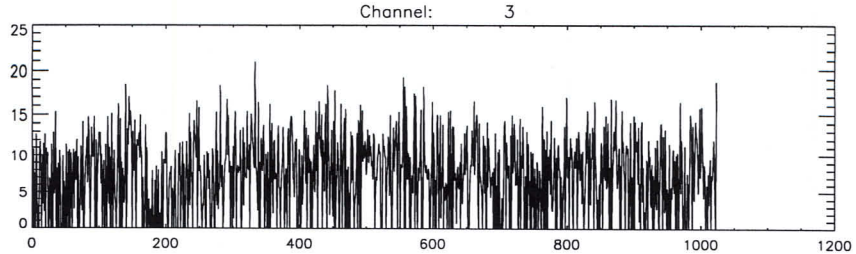
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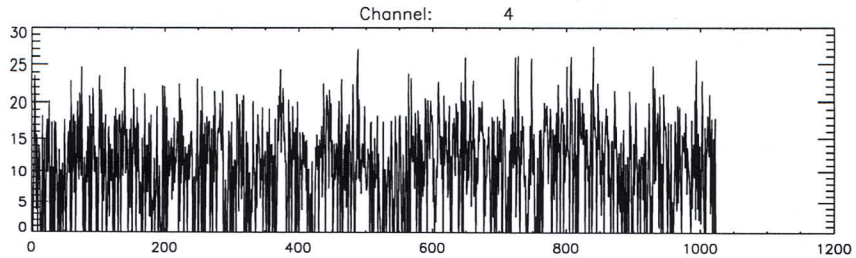
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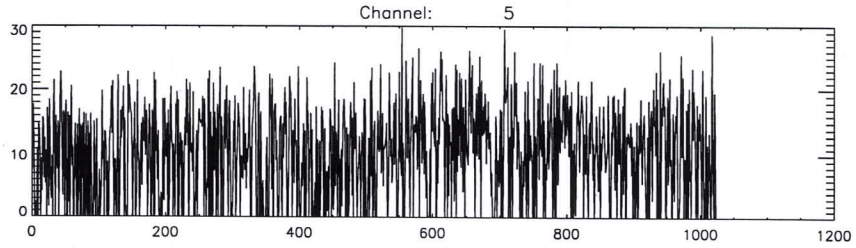
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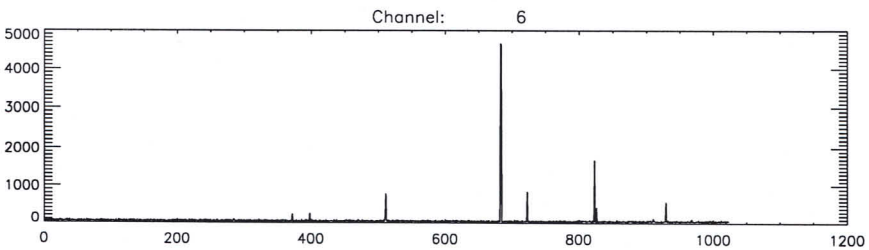
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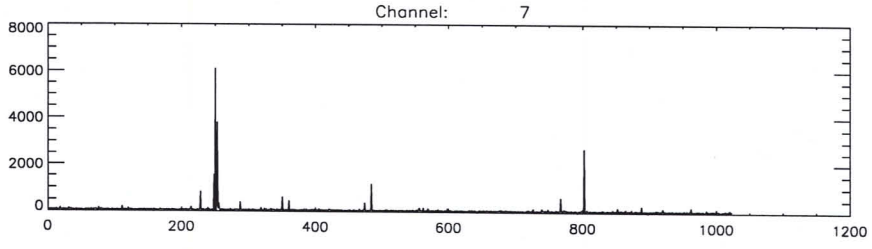
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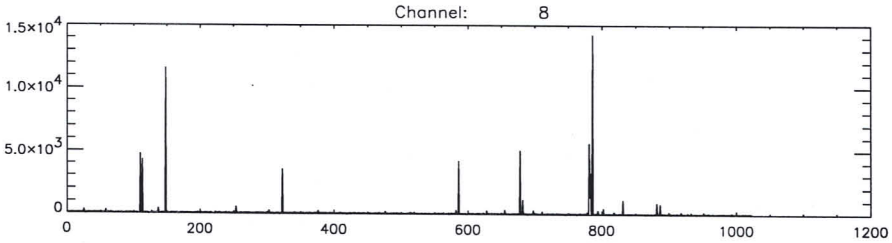
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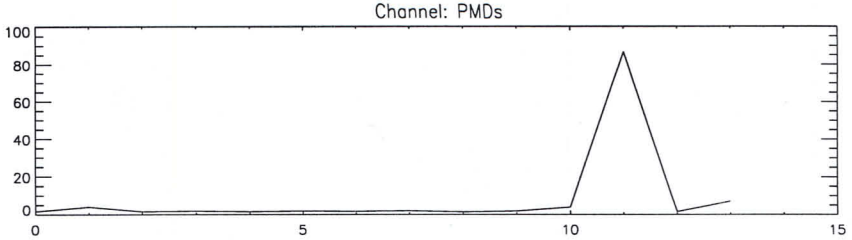
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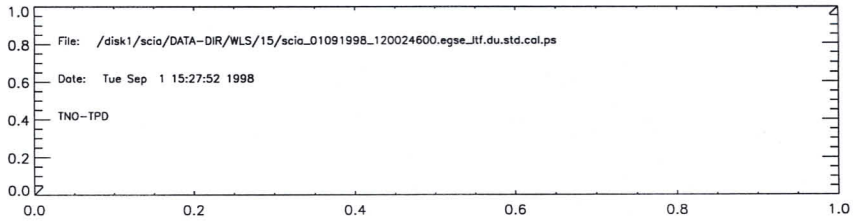
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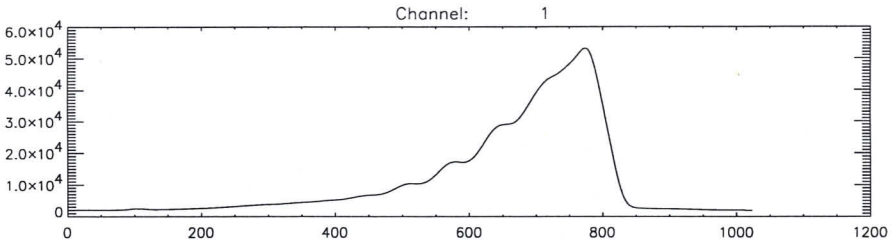
Date: Tue Sep 1 15:27:52 1998
TNO-TPD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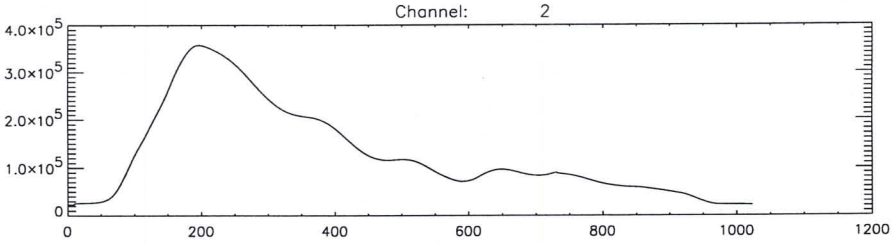
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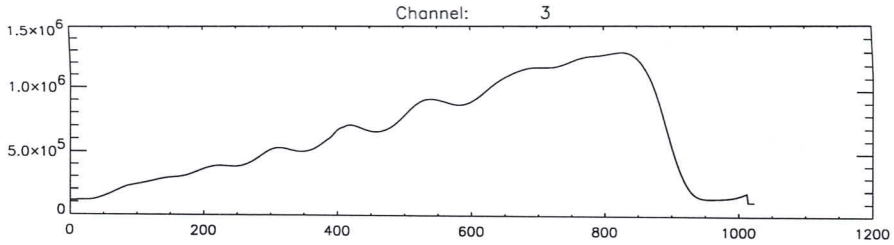
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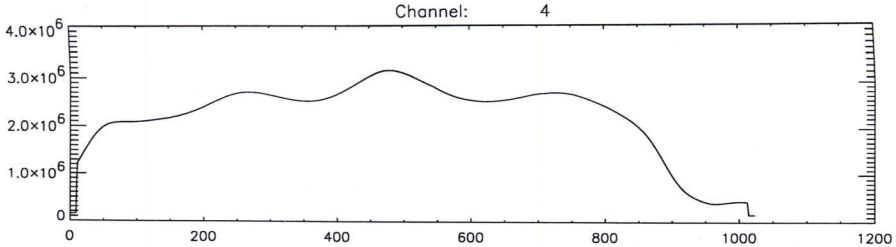
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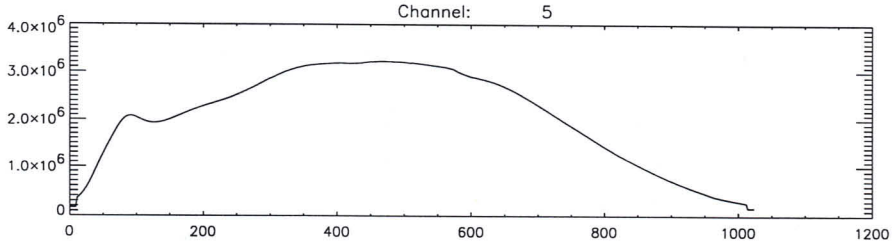
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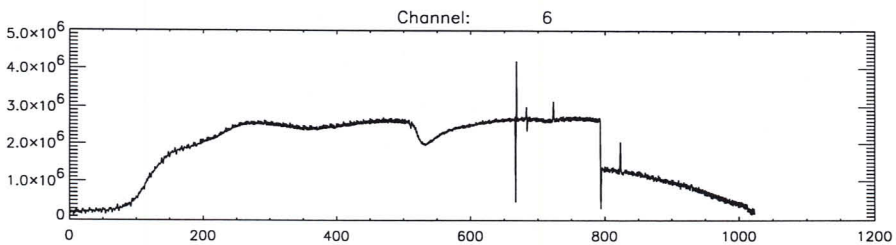
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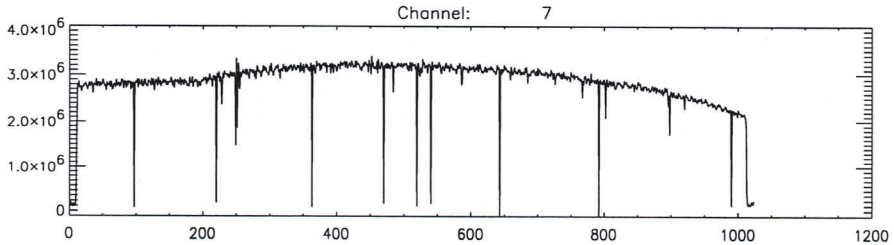
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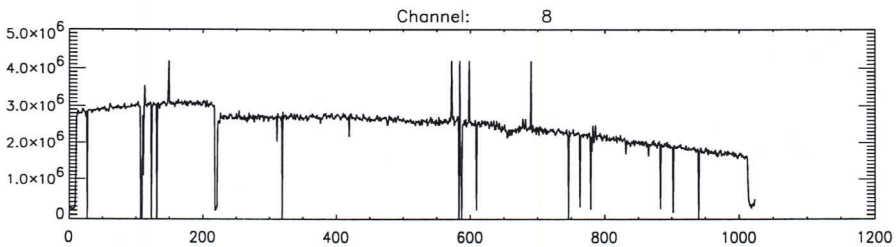
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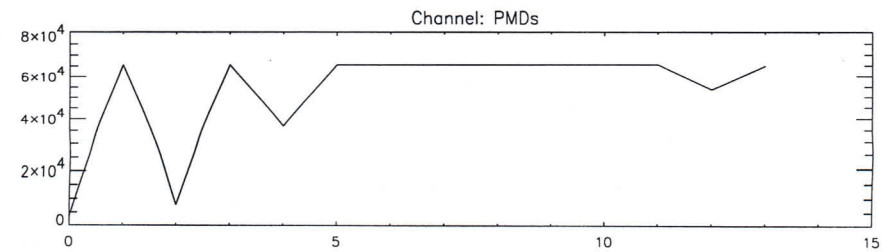
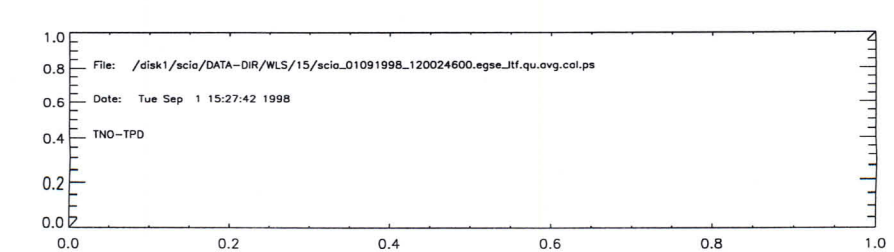
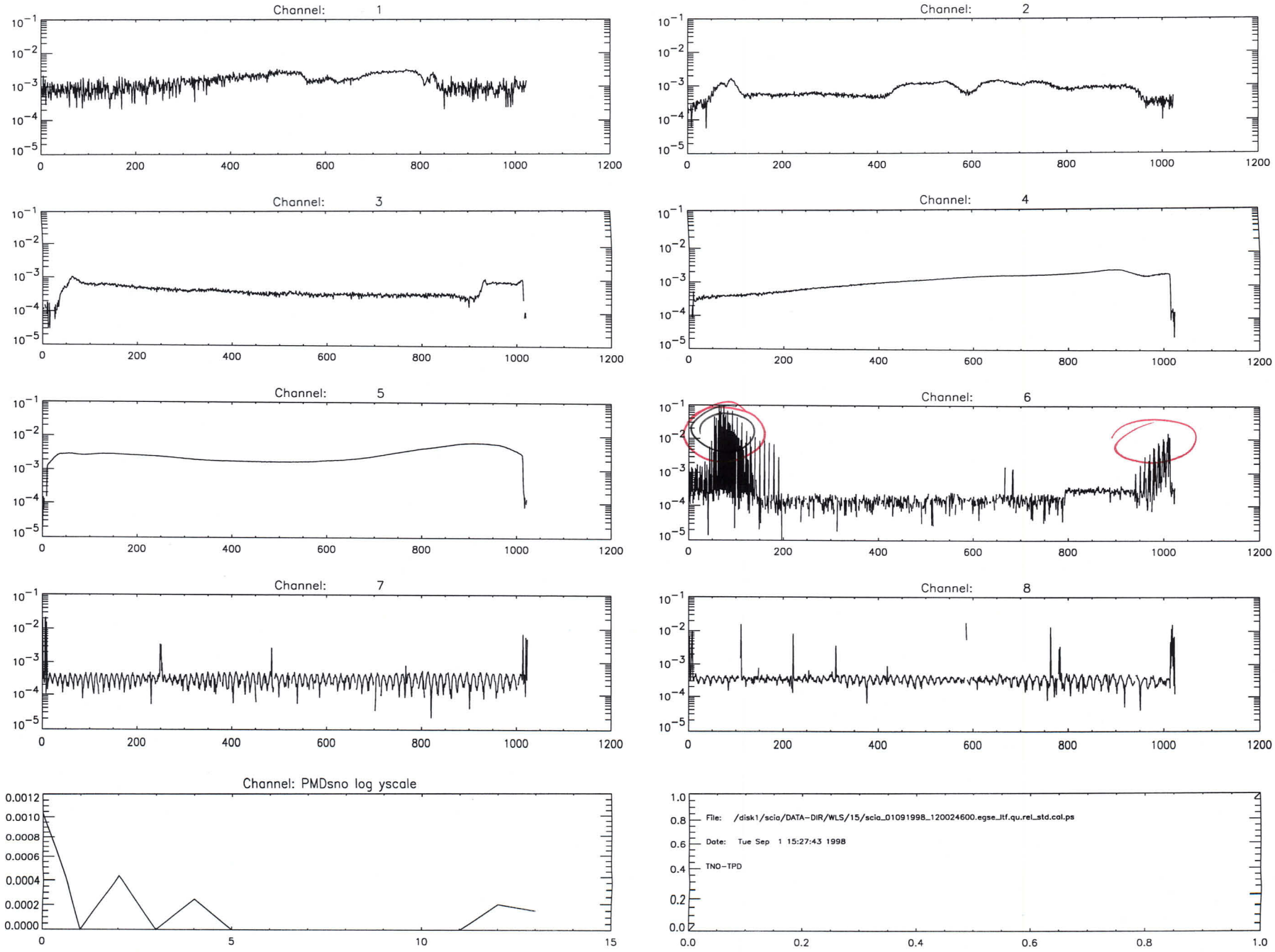
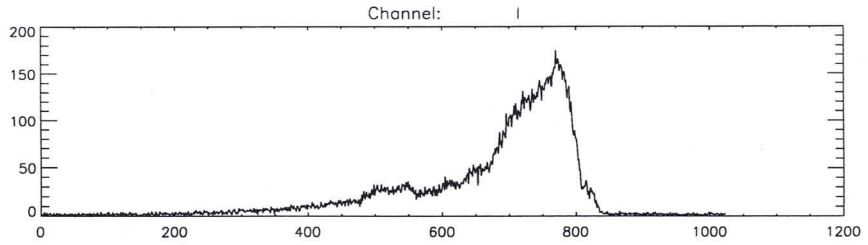
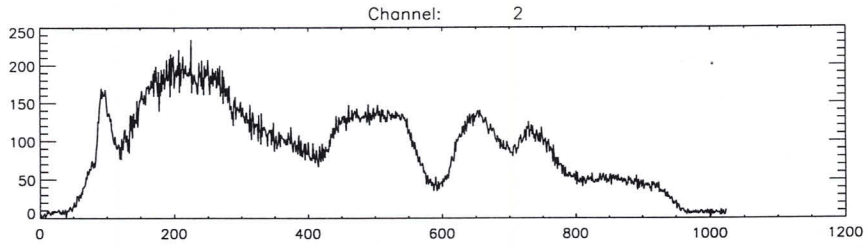
1200

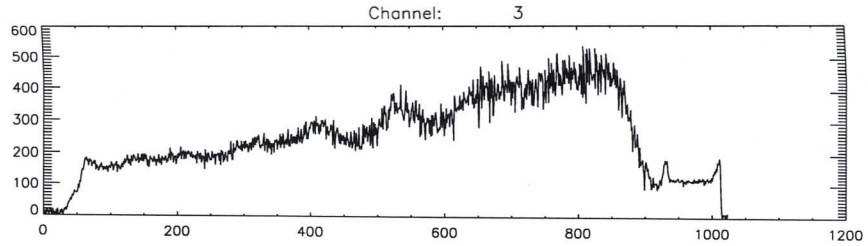

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

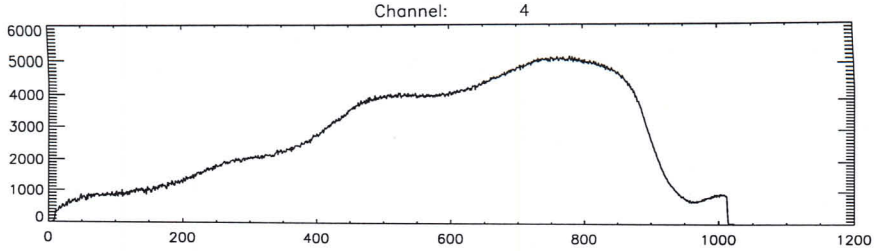

File: /disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.qu.ovg.cal.ps
Date: Tue Sep 1 15:27:42 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

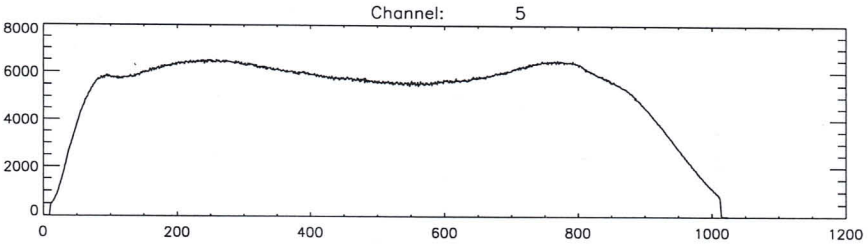

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDsno log yscale
File: /disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_itf.qu.rel_std.col.ps
Date: Tue Sep 1 15:27:43 1998
TNO-TPD

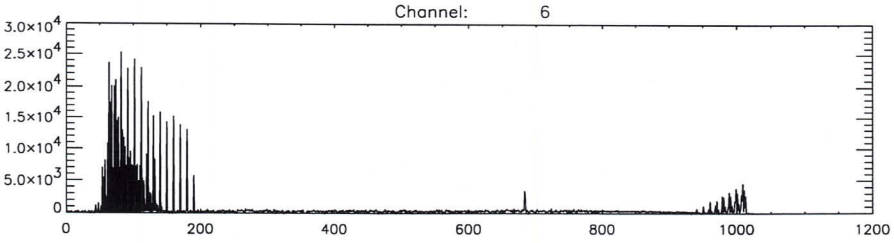

Channel: 1

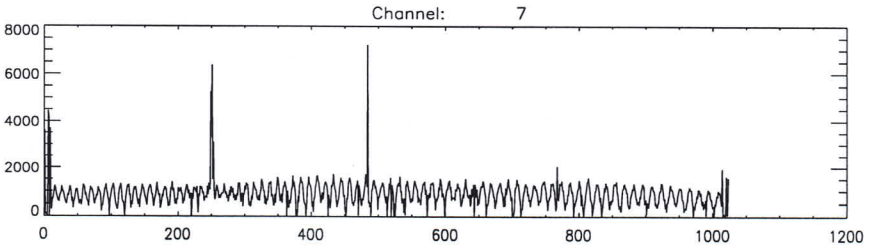

Channel: 2

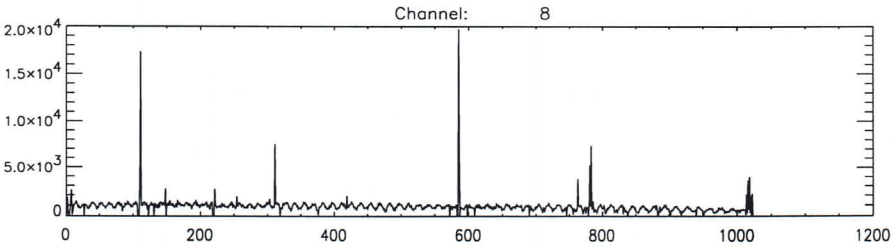

Channel: 3

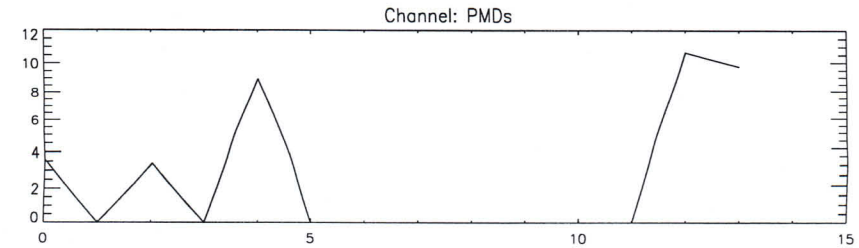

Channel: 4

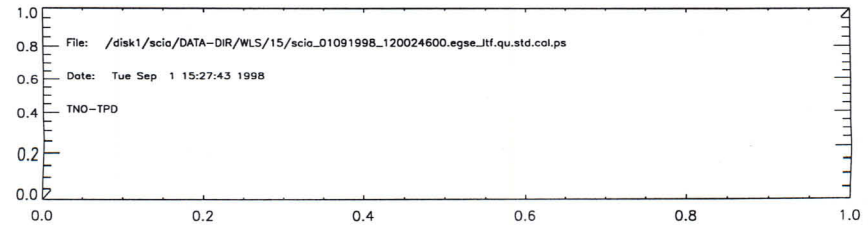

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.qu.std.cal.ps
Date: Tue Sep 1 15:27:43 1998
TNO-TPD

Logging to this file started at Tue Sep 1 11:58:19 GMT 1998.

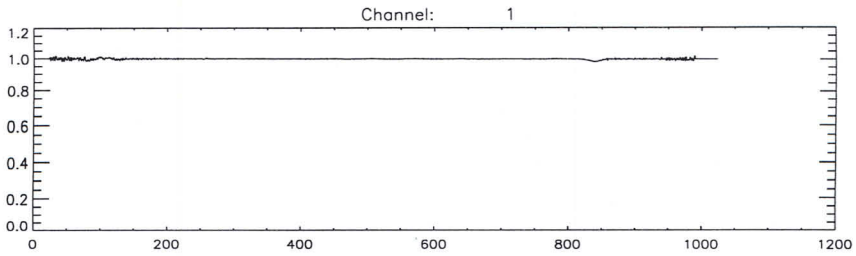
"01.09.1998 11:58:19" "CHANNEL A"

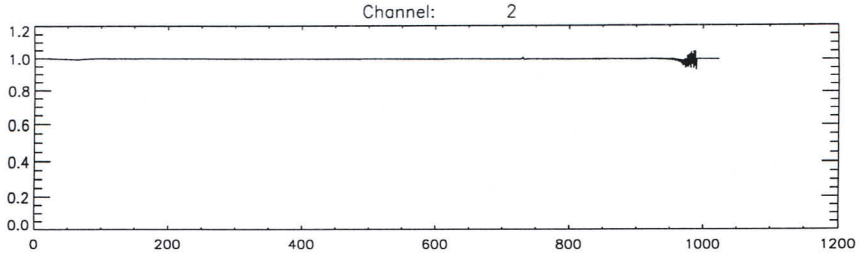
Logging to this file started at Tue Sep 1 11:58:19 GMT 1998.

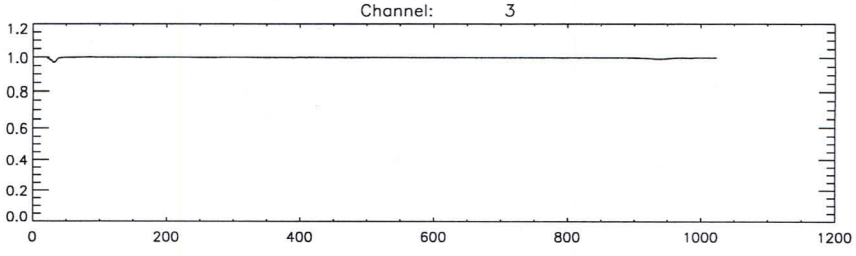
"01.09.1998 12:00:13" "QU"

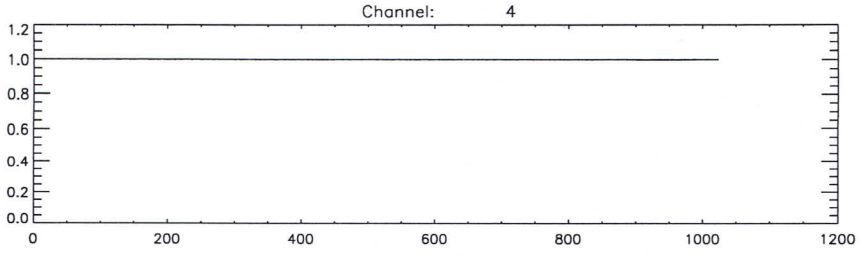
```
time       = Tue Sep  1 15:27:52 1998
batch      = du
Start TOD  = Tue 01-Sep-98 12:00:50
End   TOD  = Tue 01-Sep-98 12:01:50
Processing= computation of average, standard dev. and rel.standard dev.
```

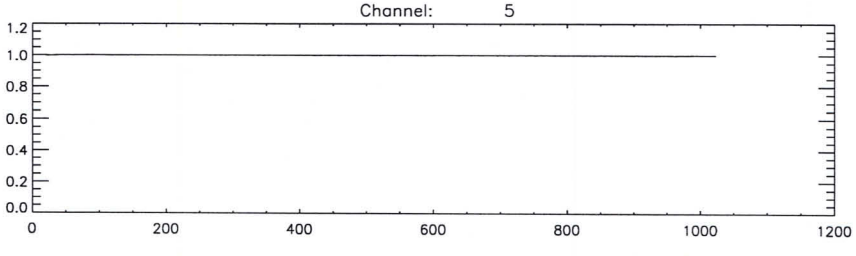
```
time       = Tue Sep  1 15:27:43 1998
batch      = qu
Start TOD  = Tue 01-Sep-98 12:00:24
End   TOD  = Tue 01-Sep-98 12:00:50
Processing= computation of average, standard dev. and rel.standard dev.
```

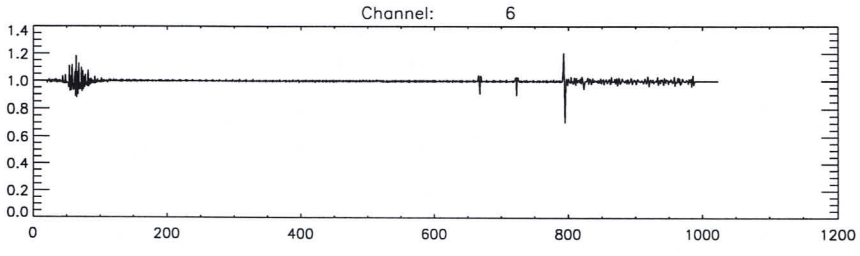

Channel: 1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

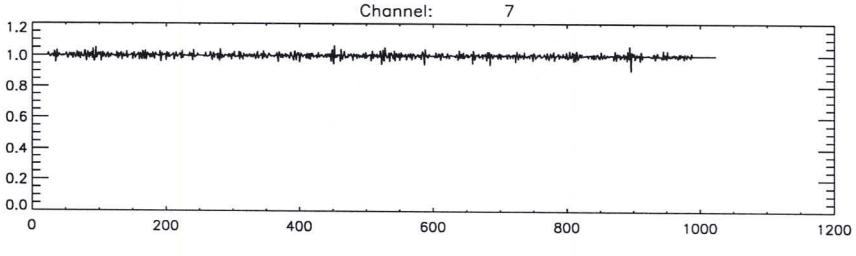

Channel: 2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

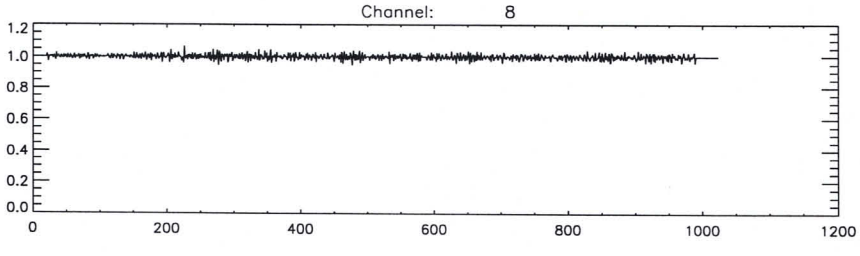

Channel: 3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

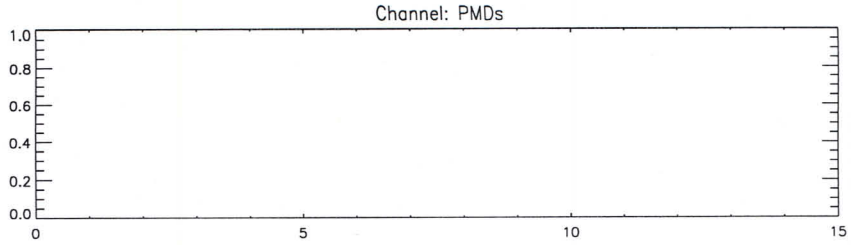

Channel: 4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

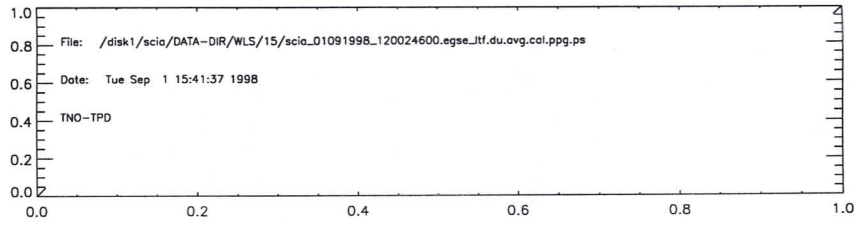

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
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
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

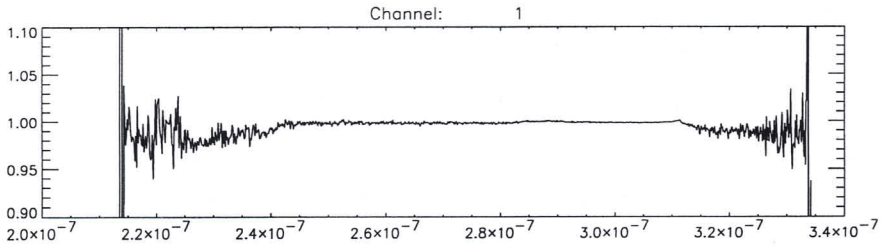

Channel: PMDs
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15

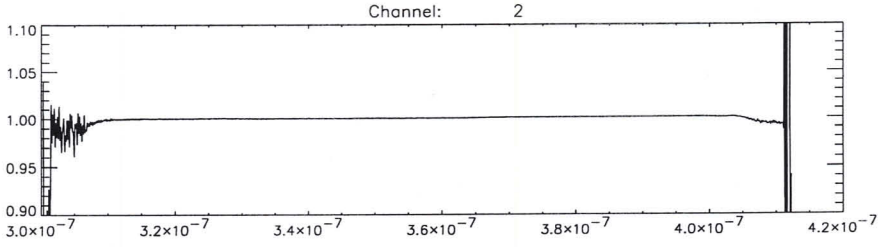

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal.ppg.ps
Date: Tue Sep 1 15:41:37 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

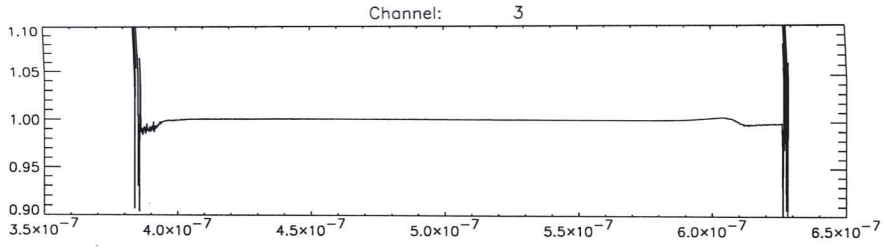
Version: 0.1
Input files:

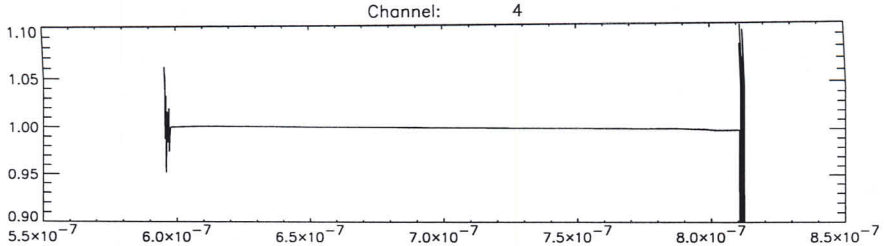
/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal and

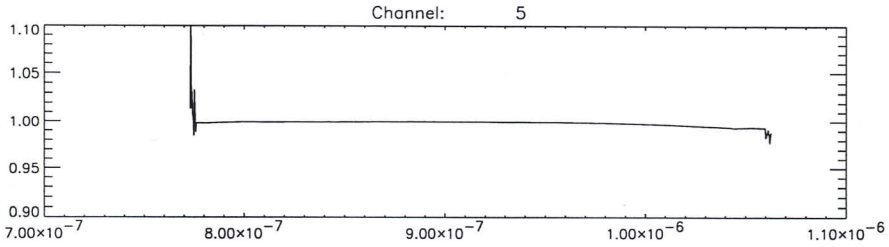
/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.qu.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Tue Sep 1 15:41:36 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal.ppg.ca

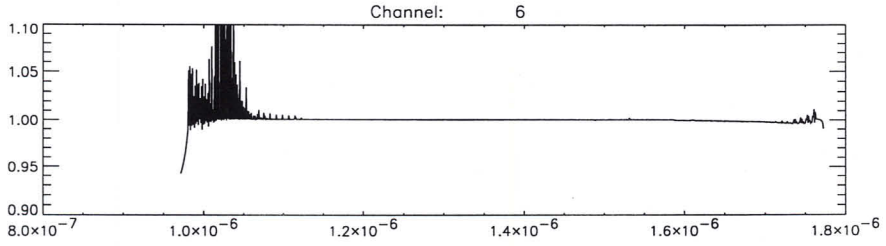

Channel: 1
1.10
1.05
1.00
0.95
0.90
2.0×10⁻⁷
2.2×10⁻⁷
2.4×10⁻⁷
2.6×10⁻⁷
2.8×10⁻⁷
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷

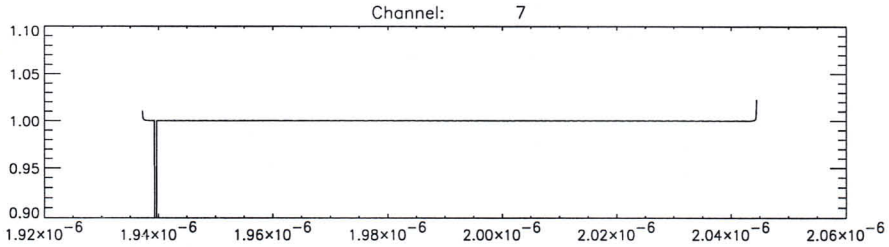

Channel: 2
1.10
1.05
1.00
0.95
0.90
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷
3.6×10⁻⁷
3.8×10⁻⁷
4.0×10⁻⁷
4.2×10⁻⁷

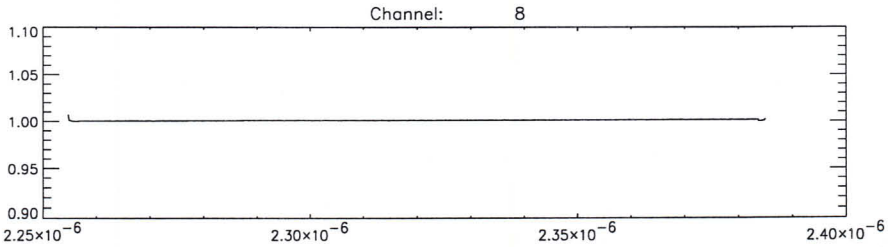

Channel: 3
1.10
1.05
1.00
0.95
0.90
3.5×10⁻⁷
4.0×10⁻⁷
4.5×10⁻⁷
5.0×10⁻⁷
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷

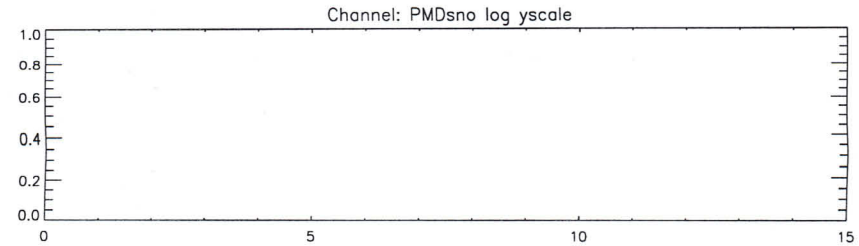

Channel: 4
1.10
1.05
1.00
0.95
0.90
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷
7.0×10⁻⁷
7.5×10⁻⁷
8.0×10⁻⁷
8.5×10⁻⁷

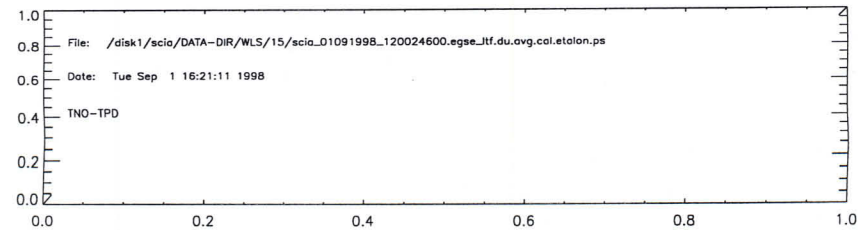

Channel: 5
1.10
1.05
1.00
0.95
0.90
7.00×10⁻⁷
8.00×10⁻⁷
9.00×10⁻⁷
1.00×10⁻⁶
1.10×10⁻⁶


Channel: 6
1.10
1.05
1.00
0.95
0.90
8.0×10⁻⁷
1.0×10⁻⁶
1.2×10⁻⁶
1.4×10⁻⁶
1.6×10⁻⁶
1.8×10⁻⁶


Channel: 7
1.10
1.05
1.00
0.95
0.90
1.92×10⁻⁶
1.94×10⁻⁶
1.96×10⁻⁶
1.98×10⁻⁶
2.00×10⁻⁶
2.02×10⁻⁶
2.04×10⁻⁶
2.06×10⁻⁶


Channel: 8
1.10
1.05
1.00
0.95
0.90
2.25×10⁻⁶
2.30×10⁻⁶
2.35×10⁻⁶
2.40×10⁻⁶


Channel: PMDsno log yscale
1.0
0.8
0.6
0.4
0.2
0.0
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal.etalon.ps
Date: Tue Sep 1 16:21:11 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

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.qu.avg.cal
Action: Extraction of etalon structure
Processing time: Tue Sep 1 16:20:49 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.cal.etalon

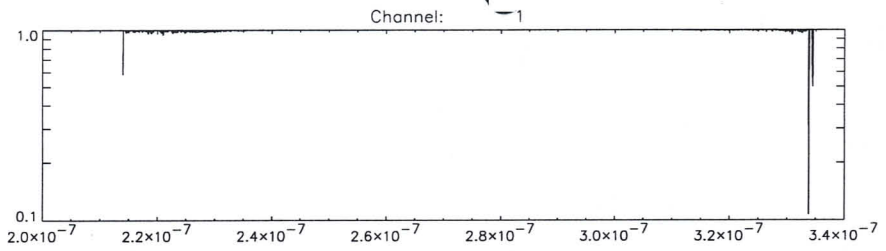
STEP	ACTION	RESULT	MARKER
Intro	Your name:	Marion Stoppelenburg	
	Date:	02-09-98	
	What's the name of the (main) data input file that you want to store in the SOC directory?		(A)
	Setup a three-window configuration on your SUN.		See course descr.

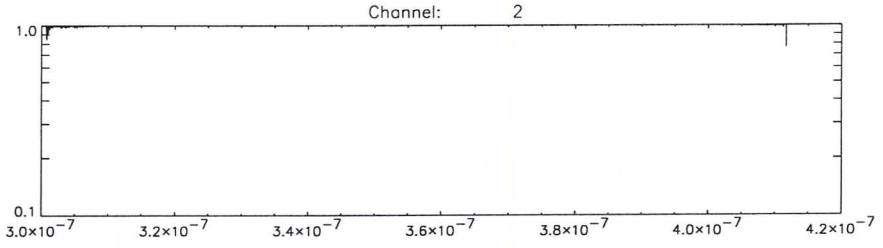
Do ratio	`idl do_ratio` Let <D1> be the first selected dark file name		In IDL window
	Full path name of <D1> ls -l <D1>.div.cal	scia_01090998_120024600	In DATA window
	size of <D1>.div.cal	146 kb	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps Add postscript image to logbook, Done?	Y / N	In DATA Window

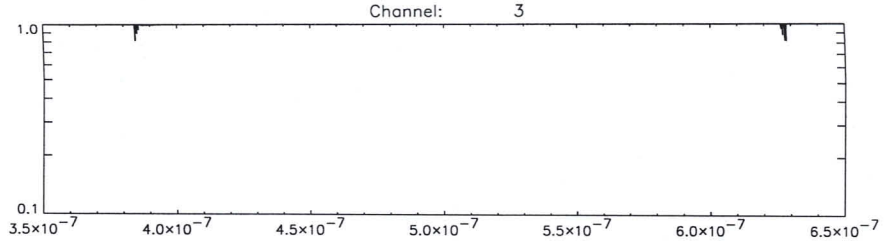
Note that the do_ratio procedure asks:
1/ ~~one~~ a dark file
2/ a corresponding light file
3/ a second dark file
4/ a corresponding light file.

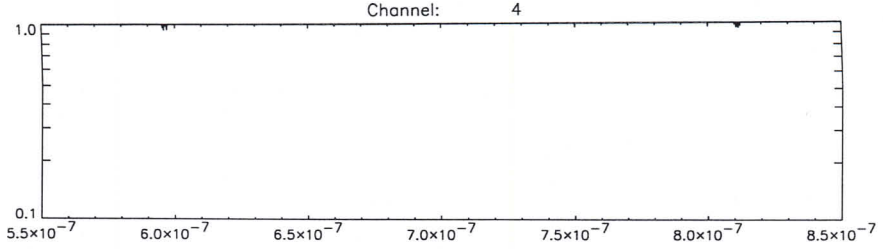
Back up	Create 3 sets of backup CDs of directory ~/DATA-DIR/START-OF-CALIBRATION (One CD has a capacity of 600 Mbytes, the UNIX command /usr/bin/du -k . gives the number of kilo bytes in the current directory). Name of backup CDs		See analysis sheet BackUp

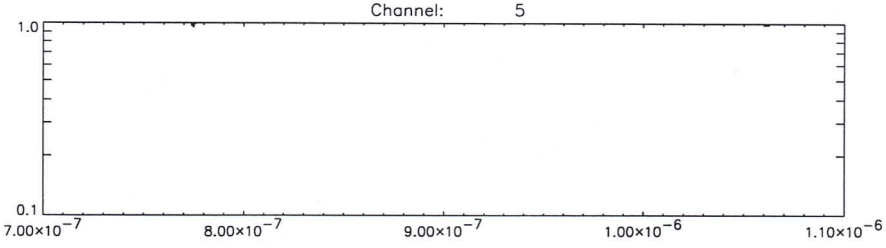
Sign:	Name	Marion Stoppelenburg
	Date and time	2-9-98 5:05
	Signature	M. Stopp

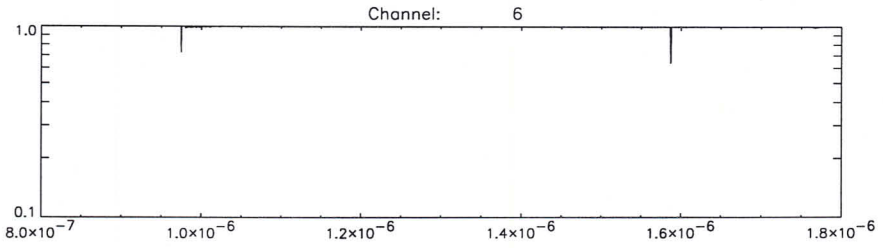

Channel: 1
1.0
0.1
2.0×10⁻⁷
2.2×10⁻⁷
2.4×10⁻⁷
2.6×10⁻⁷
2.8×10⁻⁷
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷

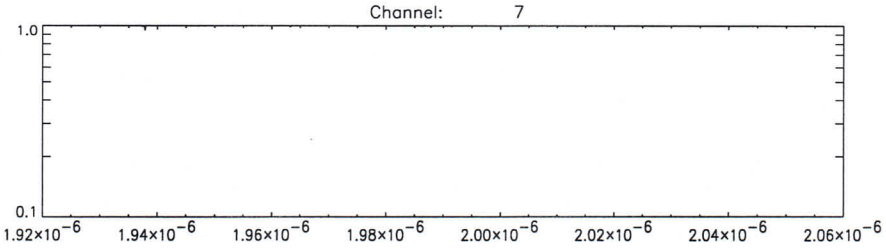

Channel: 2
1.0
0.1
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷
3.6×10⁻⁷
3.8×10⁻⁷
4.0×10⁻⁷
4.2×10⁻⁷

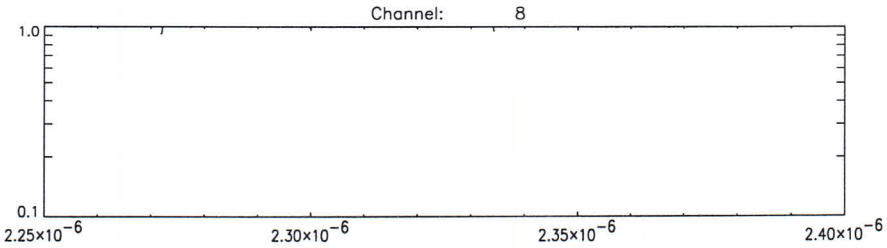

Channel: 3
1.0
0.1
3.5×10⁻⁷
4.0×10⁻⁷
4.5×10⁻⁷
5.0×10⁻⁷
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷

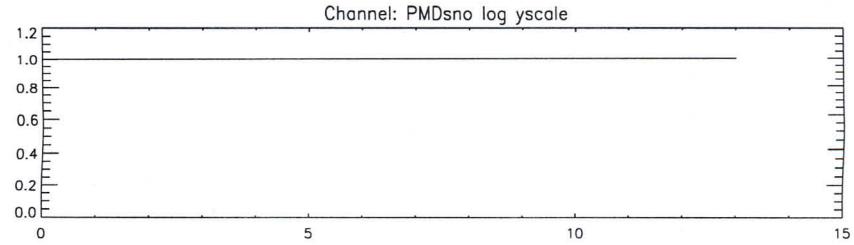

Channel: 4
1.0
0.1
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷
7.0×10⁻⁷
7.5×10⁻⁷
8.0×10⁻⁷
8.5×10⁻⁷

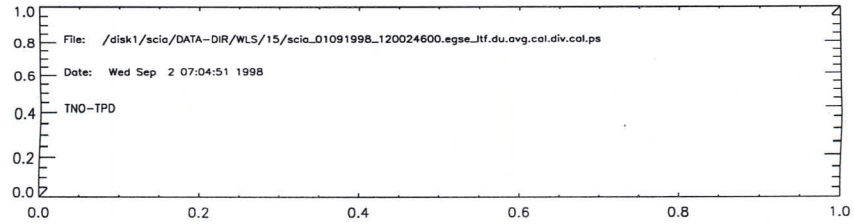

Channel: 5
1.0
0.1
7.00×10⁻⁷
8.00×10⁻⁷
9.00×10⁻⁷
1.00×10⁻⁶
1.10×10⁻⁶

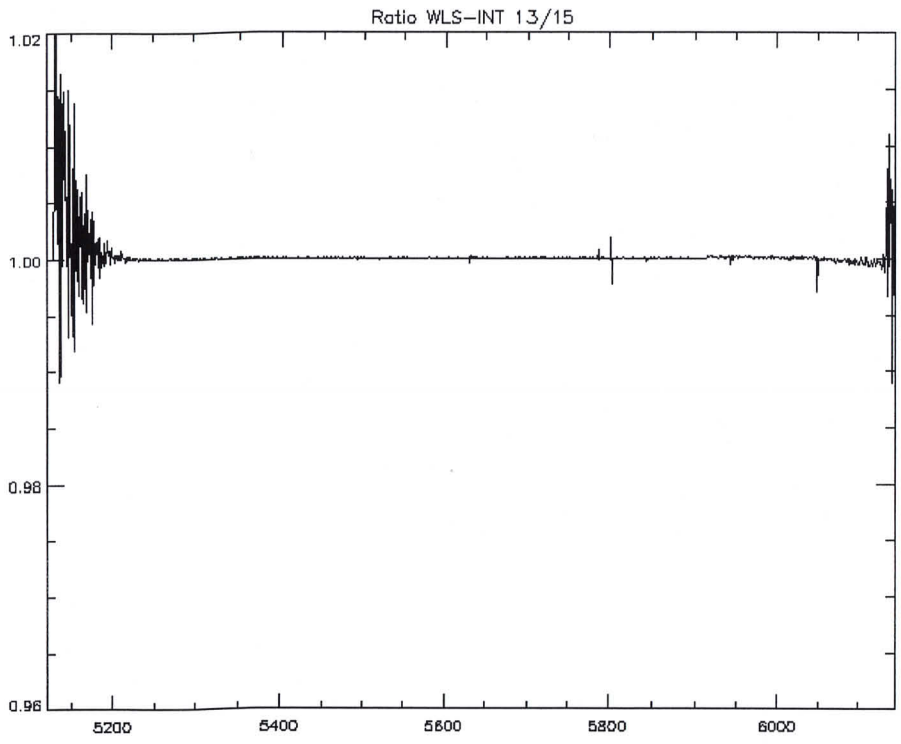

Channel: 6
1.0
0.1
8.0×10⁻⁷
1.0×10⁻⁶
1.2×10⁻⁶
1.4×10⁻⁶
1.6×10⁻⁶
1.8×10⁻⁶

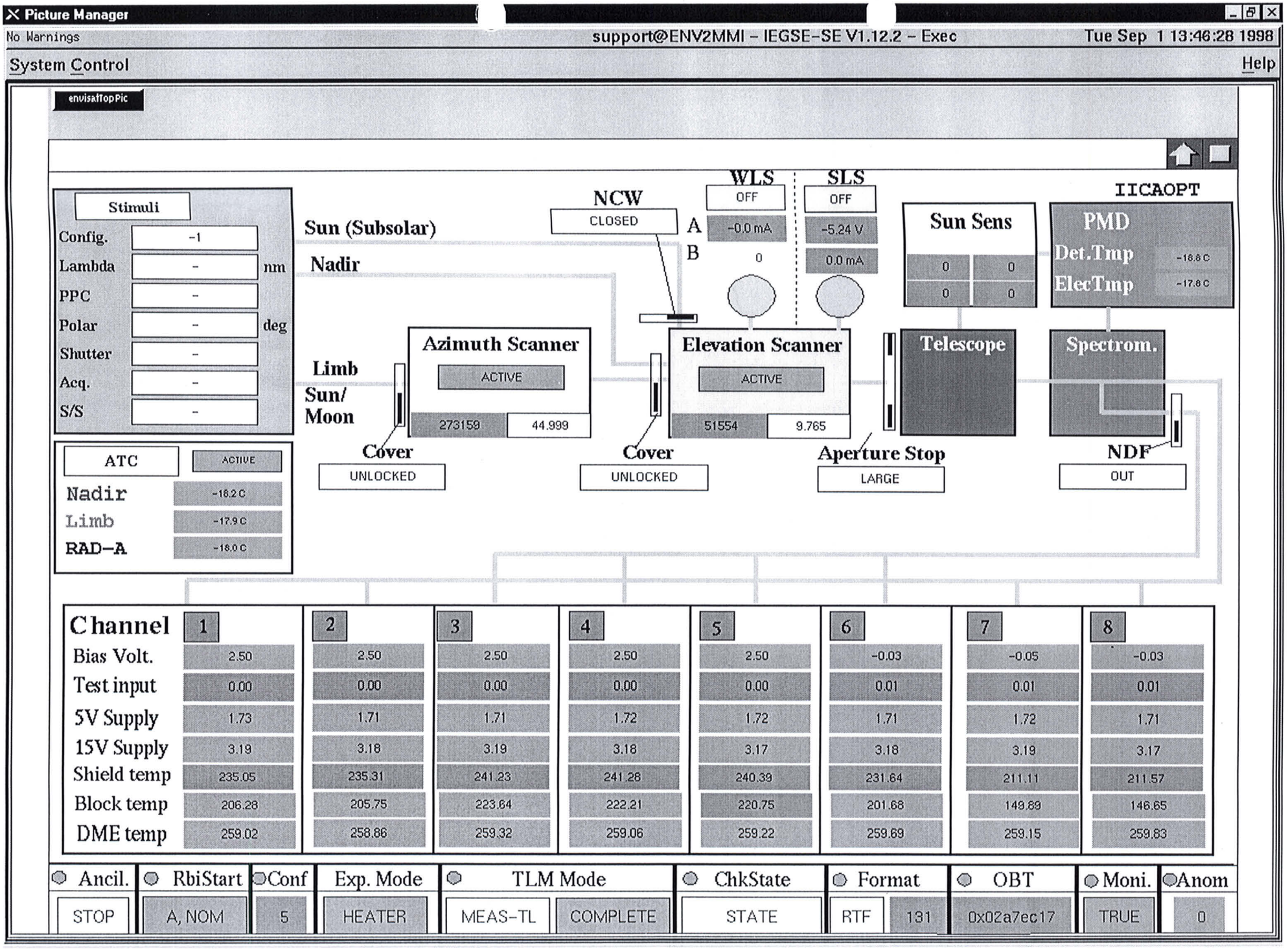

Channel: 7
1.0
0.1
1.92×10⁻⁶
1.94×10⁻⁶
1.96×10⁻⁶
1.98×10⁻⁶
2.00×10⁻⁶
2.02×10⁻⁶
2.04×10⁻⁶
2.06×10⁻⁶


Channel: 8
1.0
0.1
2.25×10⁻⁶
2.30×10⁻⁶
2.35×10⁻⁶
2.40×10⁻⁶


Channel: PMDsno log yscale
1.2
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/WLS/15/scia_01091998_120024600.egse_ltf.du.avg.col.div.col.ps
Date: Wed Sep 2 07:04:51 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


Ratio WLS-INT 13/15
1.02
1.00
0.98
0.96
5200
5400
5600
5800
6000


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Sep 1 13:46:28 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
WLS
OFF
A -0.0 mA
B 0
SLS
OFF
-5.24 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.6 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
51554 9.765
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 235.05 235.31 241.23 241.28 240.39 231.64 211.11 211.57
Block temp 206.28 205.75 223.64 222.21 220.75 201.68 149.69 146.65
DME temp 259.02 258.86 259.32 259.06 259.22 259.69 259.15 259.83
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 131
OBT 0x02a7ec17
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) S/S_int

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	deg
Elevation	+9.765	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	41	42								
Repetitions										

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	4	1						
1b	4	1						
2b	2	2						
2a	2	2						
3	0,125	32					⋮	
4	0,03125	64						
5	0,25	16						
6	0,25	16						
7	1	4						
8	1	4						
State ID								

Step 15-1

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	-1	-	-	-	-	-	-	0	1	PU	

Measurement Data Description

Test Purpose	UID 24
Remark	
Data Directory	0244_13.41.26_S/S_INT

Signatures

	Date	Signature
Issued	01-09-98	M. Stopp
< Performed	1-9-98	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PJ Nysse 010998	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-010998-13441868 (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
Date and time
Signature

PJN
010998 14:32

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	PD Nijssen 010998	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-010g1998-13411868 dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.

Cnstr directory	`cd ~/DATA-DIR/SPEC-CAL/ ; 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
		17
		
		18
		(Y) / N
			Note: In window DATA-DIR
			(B)
			(C)

	directory name is:	`~/DATA-DIR/SPECCAL/<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	 <A>.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`		In DATA-DIR window
	size:	146kb	should be approx 150kb
	SLS light file:		

Note: dremark1 label starts either with 'su' or with 'pu' (here we have taken the 'su'-case).

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

pu

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, and SU labels are present in dremark1 labels
(b) Check if enough disk space is available (Unix command df -k | more).

Print postscript

`lpr -P<printer>`
`*du*.*.cal.ps`
`*su*.*.cal.ps`

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

Contents of file `*SU*.avg.cal.ps` should contain peak signals in channels (cannot be seen in channels 7 and 8): Y / N

Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. Y / N
If not, value is:

sometimes rel-std > 0.01 however, compared to SCS-INT dd. 28-Aug: no change
CH1: 5%
CH6: peaks 5%

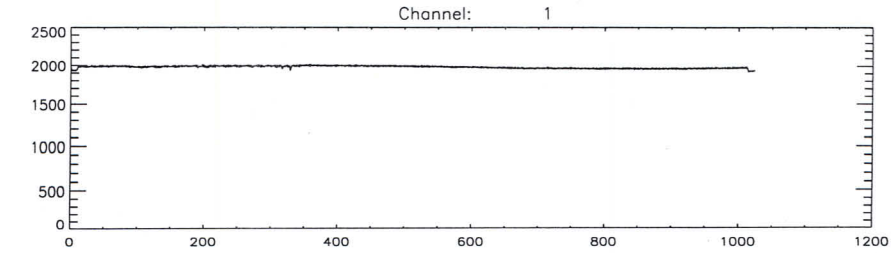
Add postscript images to logbook, done Y / N

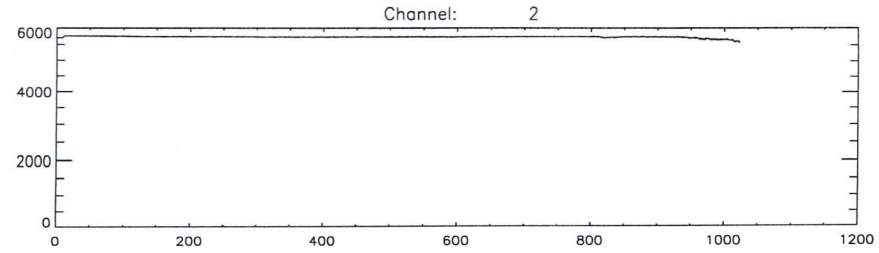
Print logfiles `lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N

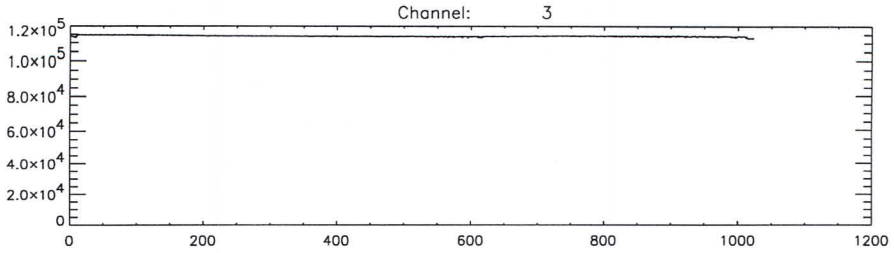
Spec line processing

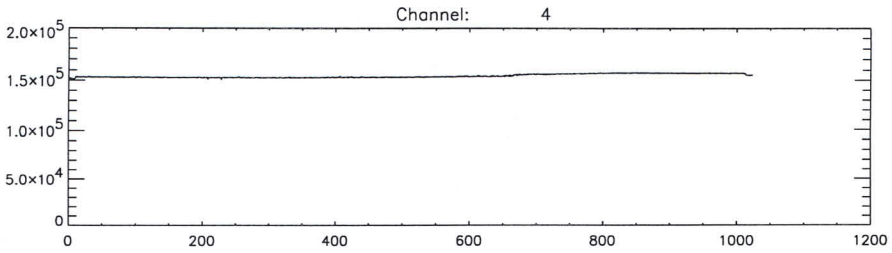
Run Spec `idl do_spec_cal` In IDL window

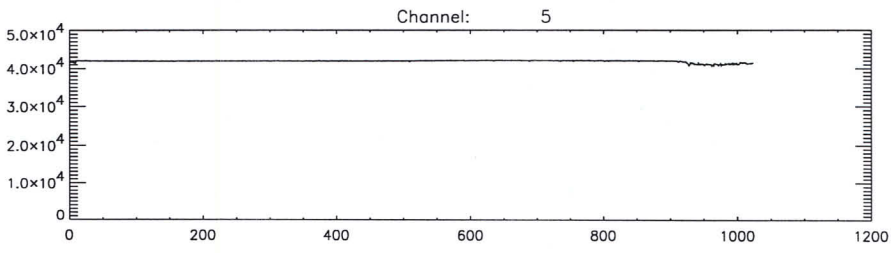
Check spec	`ls -l wl.data`		In DATA DIR window should be approx a few kilobytes
	Size of file `wl.data`	927 b.	
Check XSI visually			
	`lpr -P<printer> *.data.ps` Is the value of the spectral calibration approx. a straight line in all channels? (Note: in channel 2: negative slope)	Y / N	
	Add postscript images to logbook, done	Y / N	
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	010998C	See analysis sheet BackUp
Sign:	Name		
	Date and time	01-09-98 14:43	
	Signature		

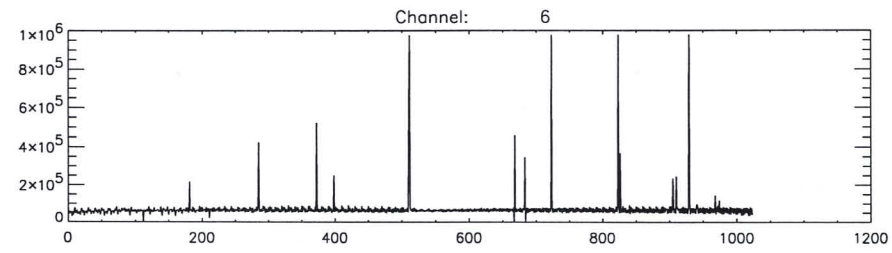

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

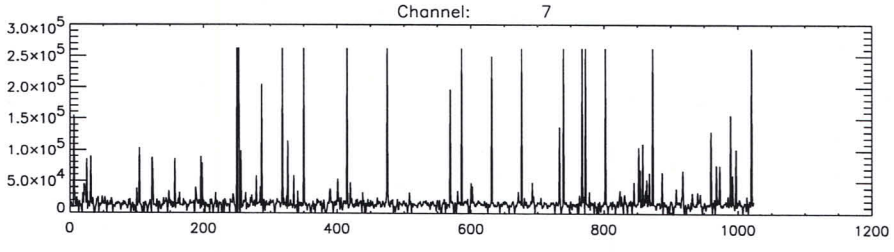

Channel: 2
6000
4000
2000
0
0
200
400
600
800
1000
1200

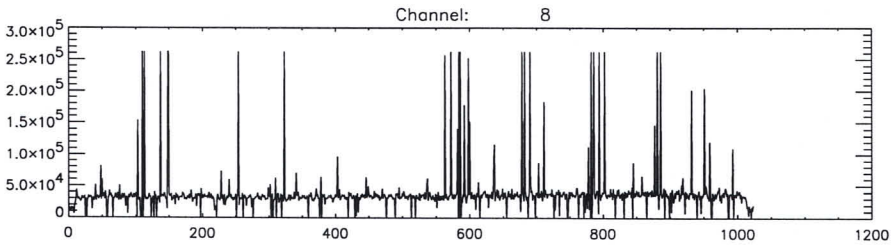

Channel: 3
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
0
0
200
400
600
800
1000
1200

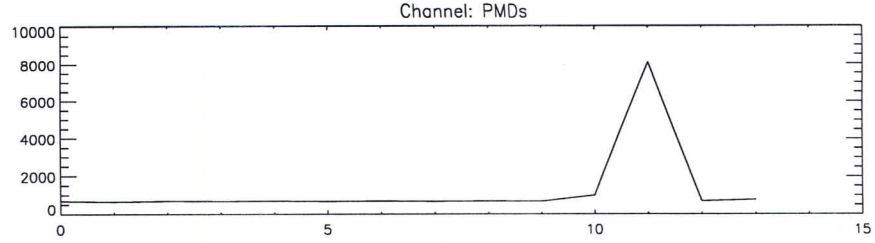

Channel: 4
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

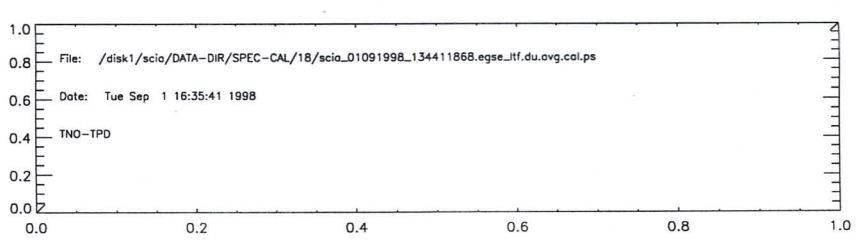

Channel: 5
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

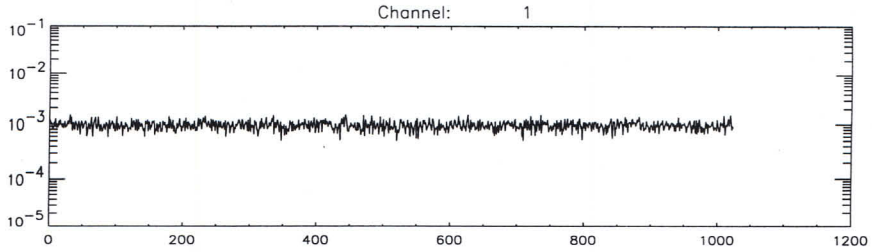

Channel: 6
1x10^6
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200

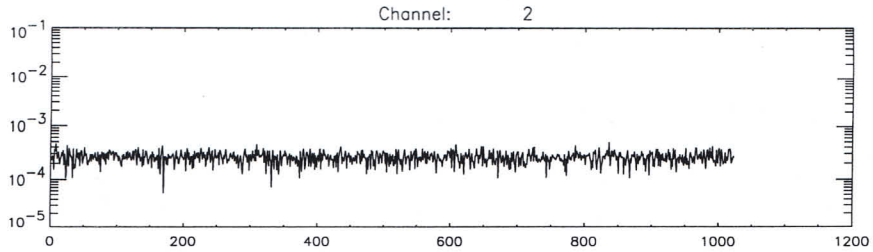

Channel: 7
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

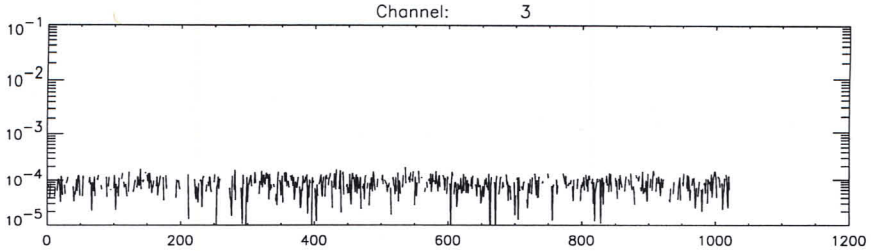

Channel: 8
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

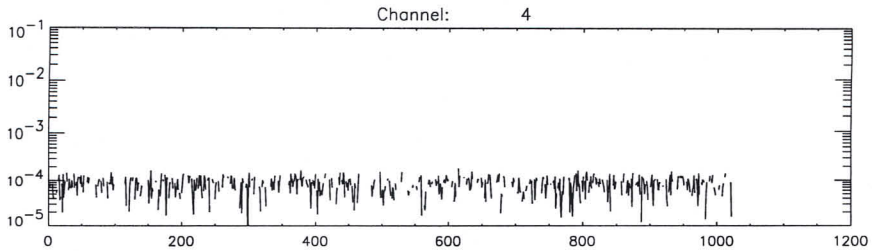

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

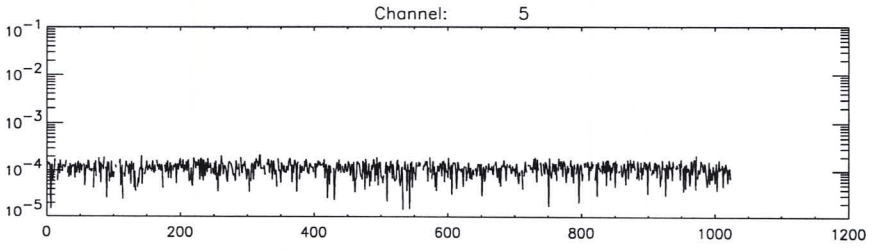

File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.du.ovg.cal.ps
Date: Tue Sep 1 16:35:41 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

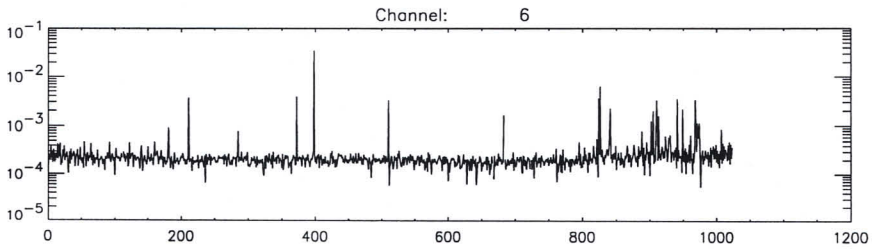

Channel: 1

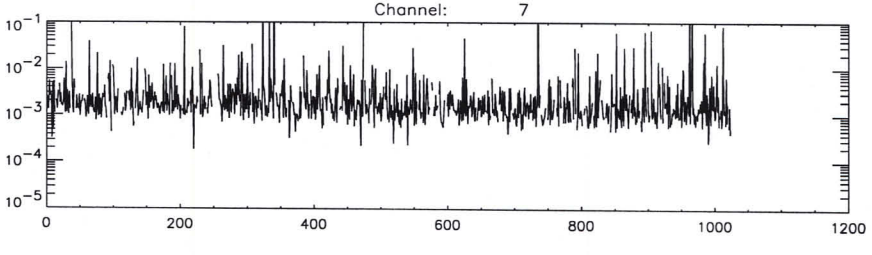

Channel: 2

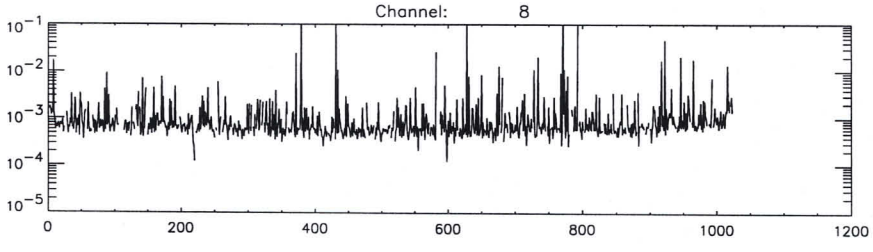

Channel: 3


Channel: 4


Channel: 5


Channel: 6


Channel: 7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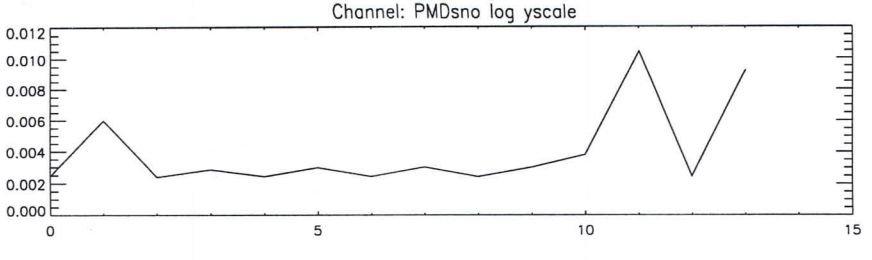
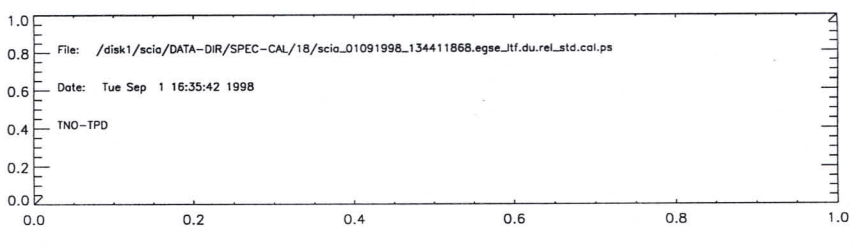
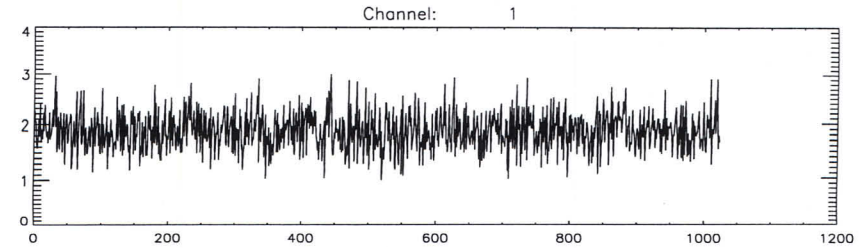

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.du.rel_std.cal.ps
Date: Tue Sep 1 16:35:42 1998
TNO-TPD


Channel: 1
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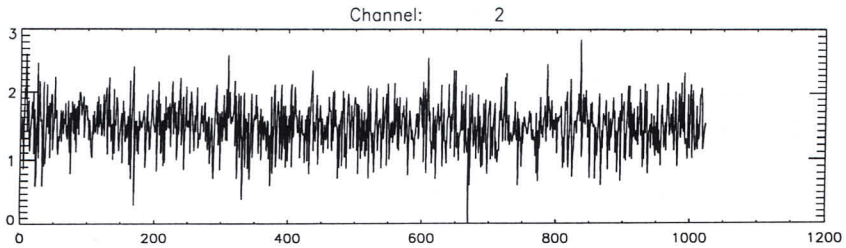
Channel: 2
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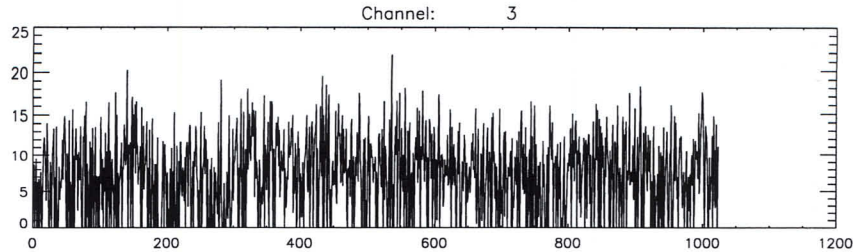
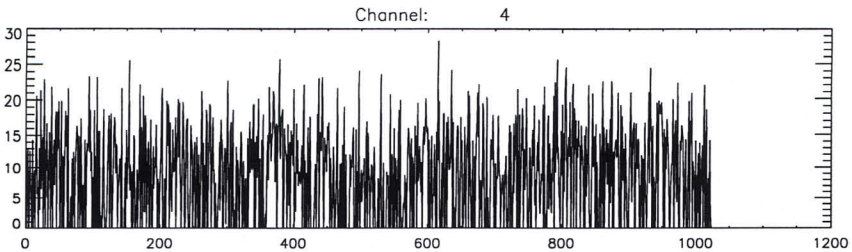
0 200 400 600 800 1000 1200


Channel: 3
0 5 10 15 20 25
0 200 400 600 800 1000 1200


Channel: 4
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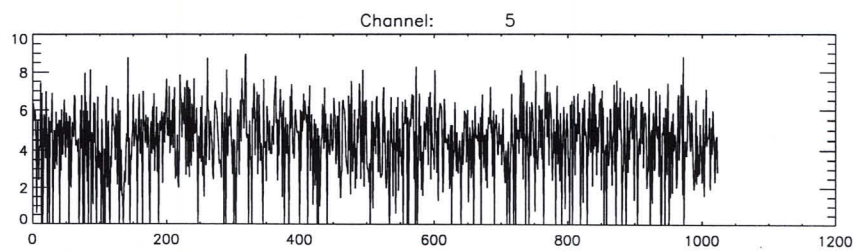
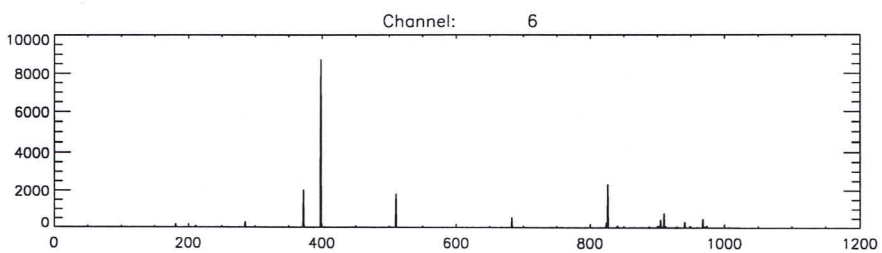

Channel: 5
0 2 4 6 8 10
0 200 400 600 800 1000 1200


Channel: 6
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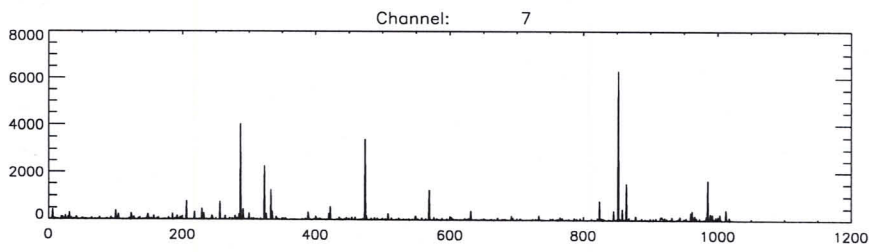
Channel: 7
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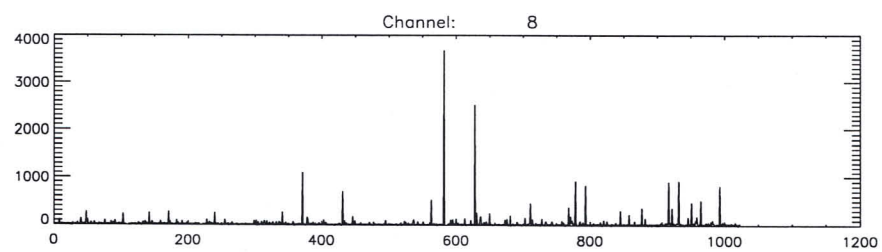
0 200 400 600 800 1000 1200


Channel: 8
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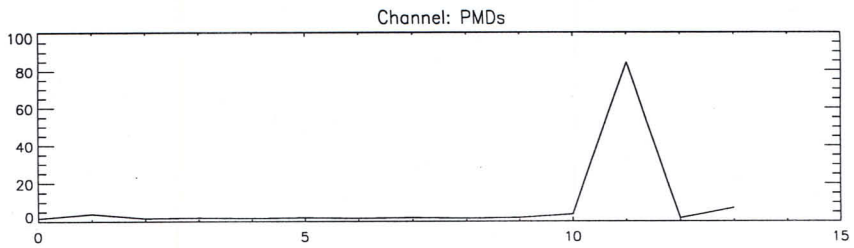
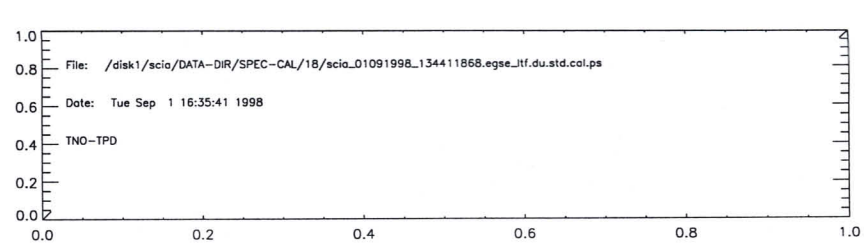
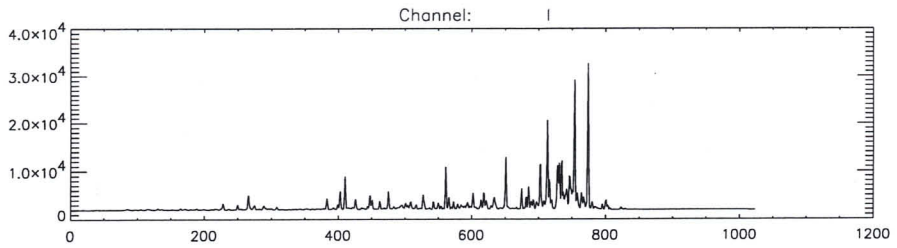
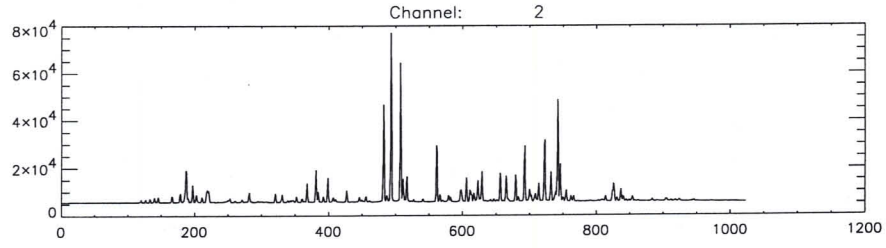
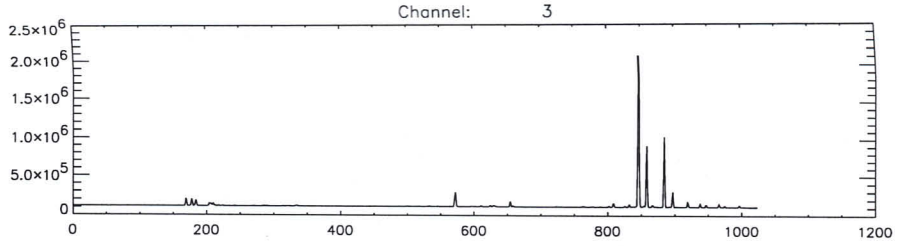
0 200 400 600 800 1000 1200


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


File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.du.std.cal.ps
Date: Tue Sep 1 16:35:41 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


Channel: 1
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200


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


Channel: 3
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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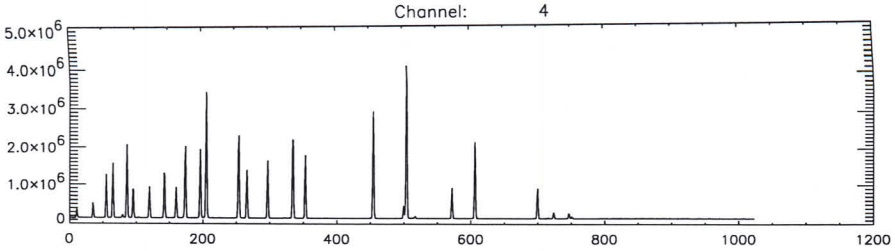
600
800
1000
1200


Channel: 4
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
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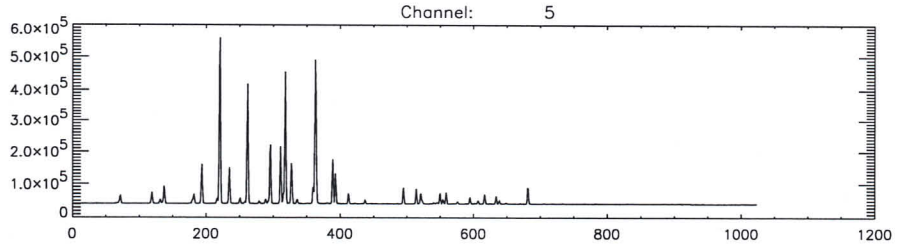
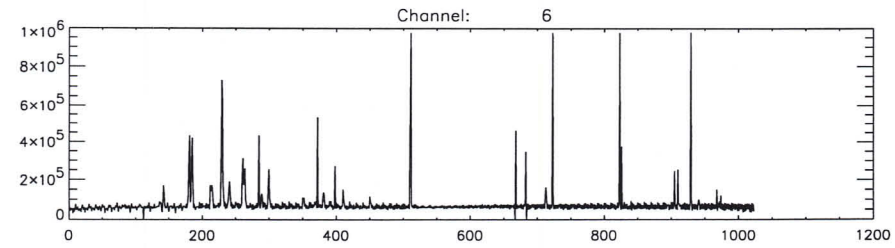
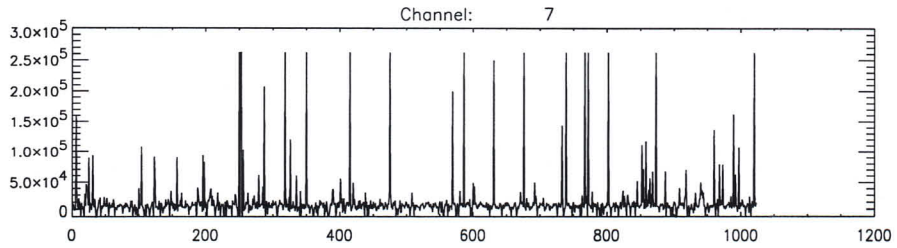
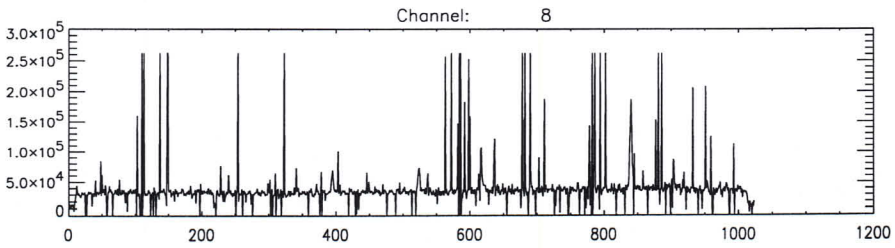
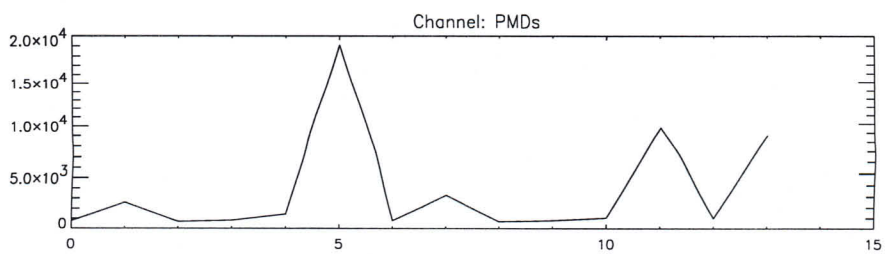
600
800
1000
1200

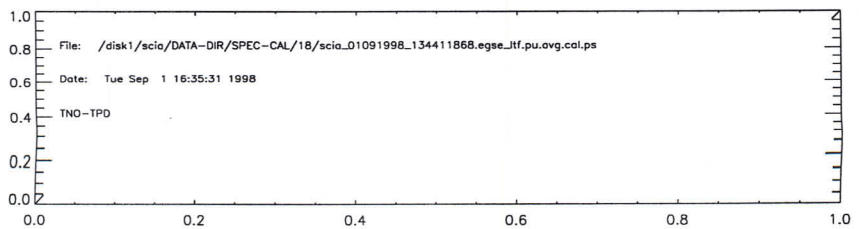

Channel: 5
6.0x10^5
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
200
400
600
800
1000
1200

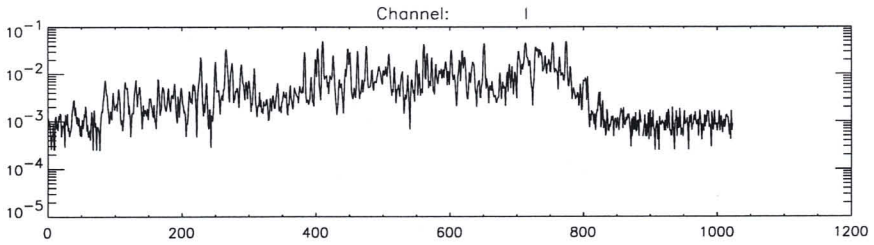

Channel: 6
1x10^6
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200

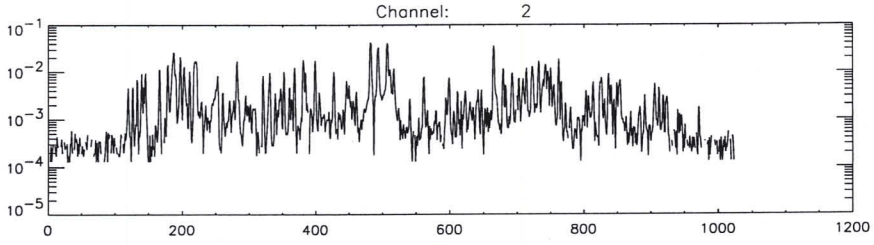

Channel: 7
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

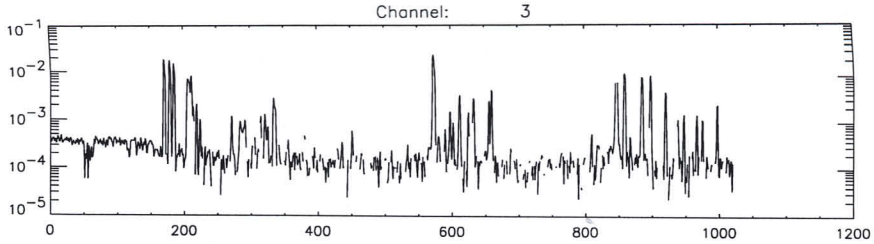

Channel: 8
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

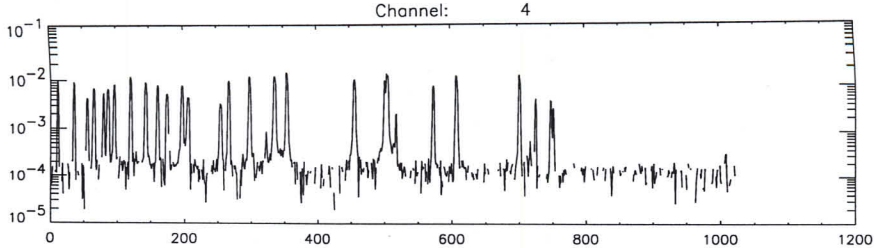

Channel: PMDs
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
5
10
15

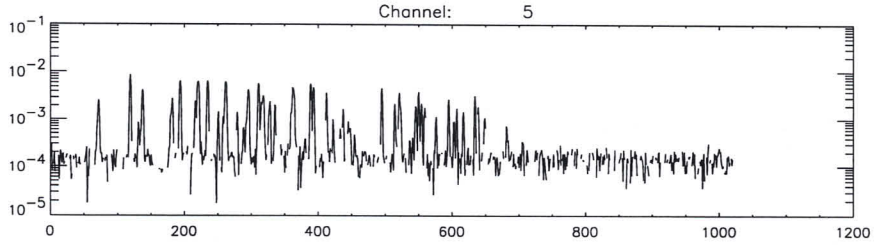

File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.pu.avg.cal.ps
Date: Tue Sep 1 16:35:31 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

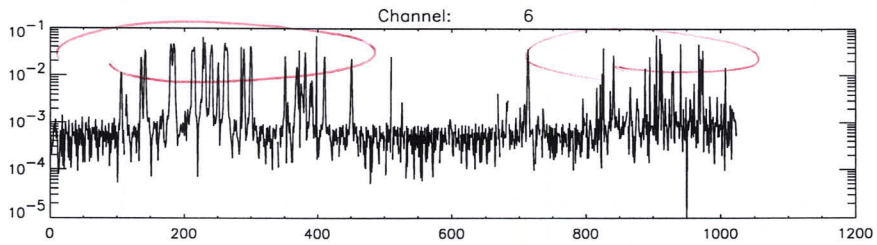

Channel: 1

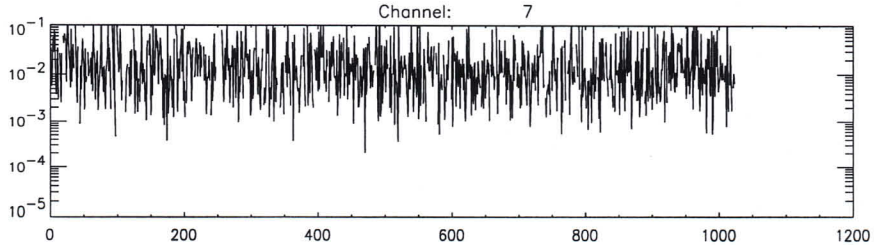

Channel: 2

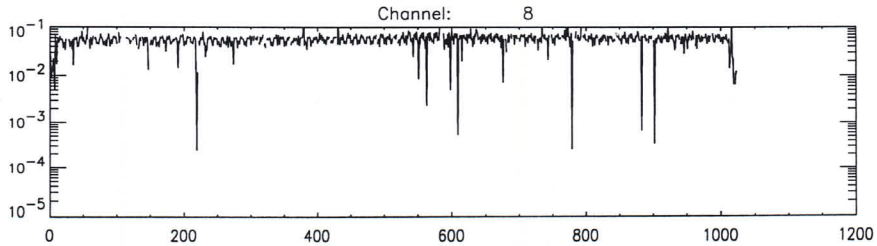

Channel: 3

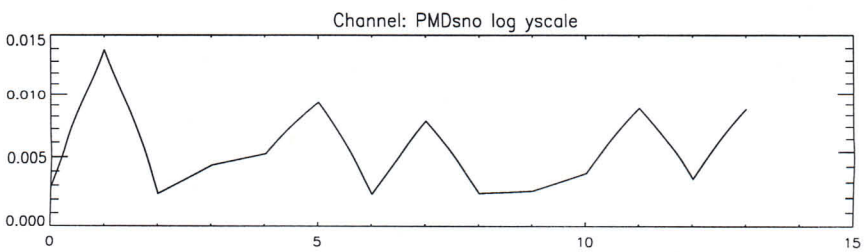

Channel: 4

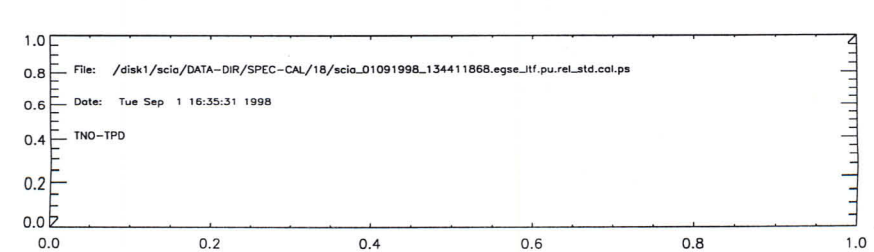

Channel: 5

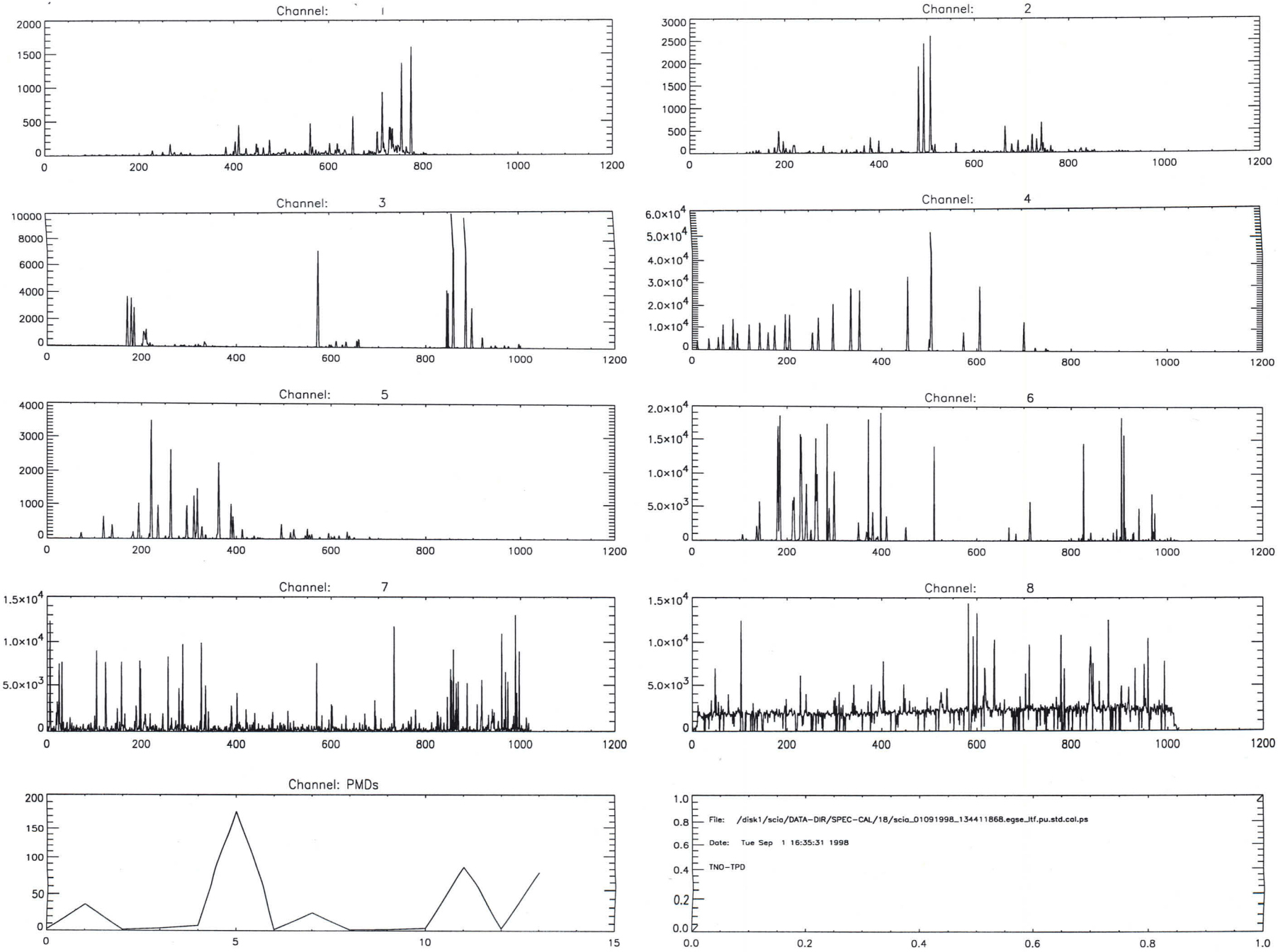

Channel: 6

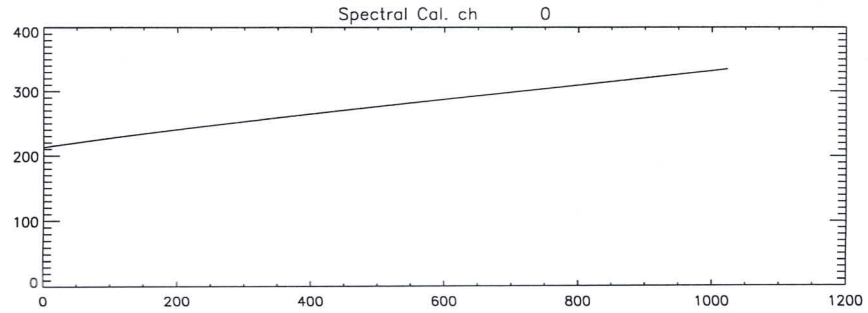

Channel: 7

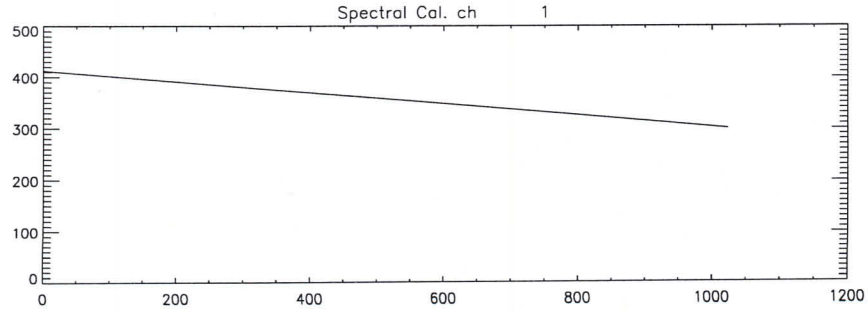

Channel: 8

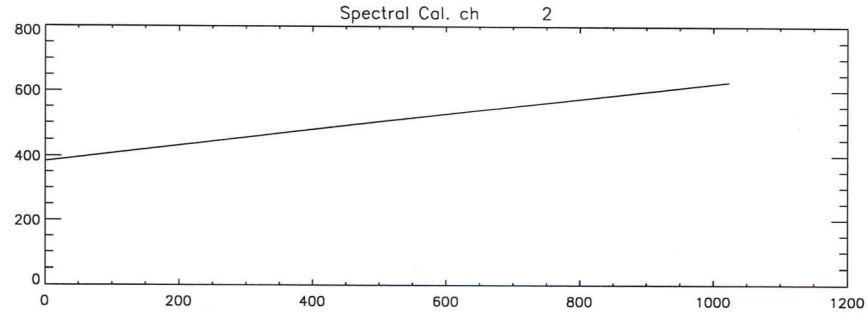

Channel: PMDsno log yscale

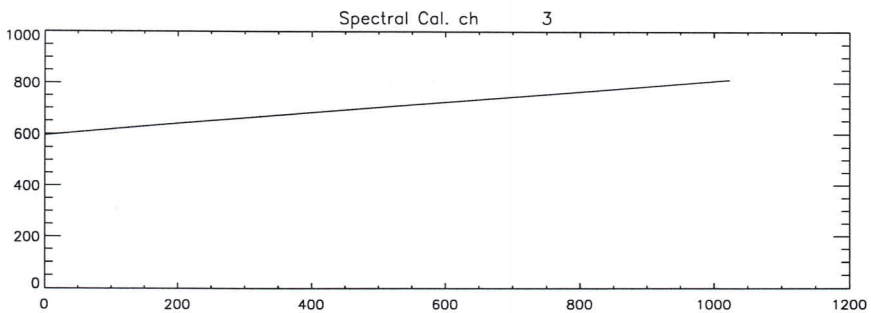

File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.pu.rel_std.cal.ps
Date: Tue Sep 1 16:35:31 1998
TNO-TPD

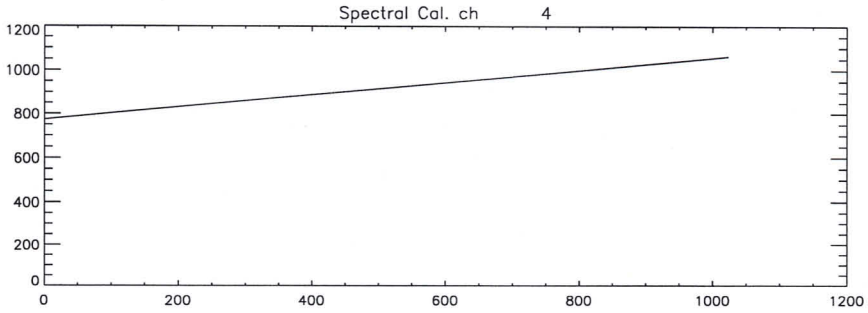

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_itf.pu.std.cal.ps
Date: Tue Sep 1 16:35:31 1998
TNO-TPD

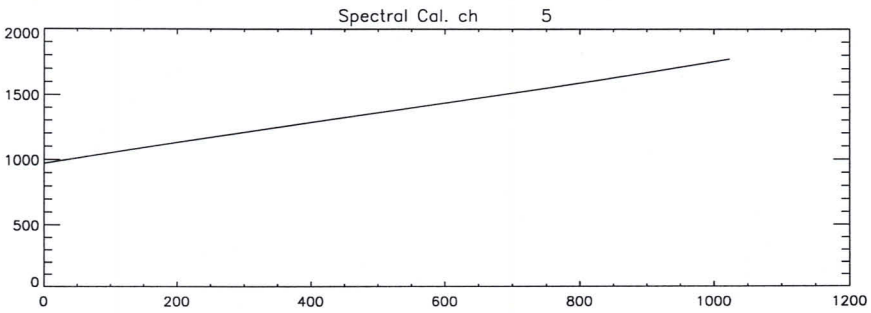

Spectral Cal. ch 0
0
100
200
300
400
0
200
400
600
800
1000
1200

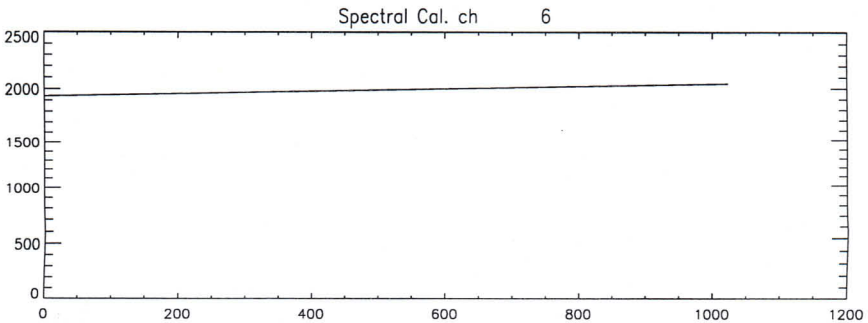

Spectral Cal. ch 1
0
100
200
300
400
500
0
200
400
600
800
1000
1200

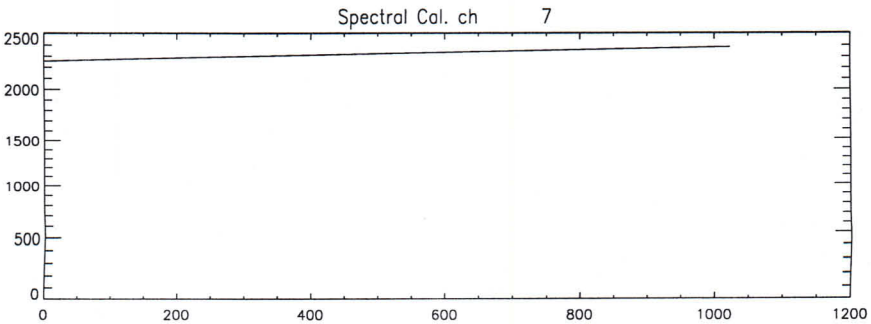

Spectral Cal. ch 2
0
200
400
600
800
0
200
400
600
800
1000
1200


Spectral Cal. ch 3
0
200
400
600
800
1000
0
200
400
600
800
1000
1200


Spectral Cal. ch 4
0
200
400
600
800
1000
1200
0
200
400
600
800
1000
1200


Spectral Cal. ch 5
0
500
1000
1500
2000
0
200
400
600
800
1000
1200


Spectral Cal. ch 6
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
1200


Spectral Cal. ch 7
0
500
1000
1500
2000
2500
0
200
400
600
800
1000
1200

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_ltf.du.avg.cal
 and

/disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_ltf.pu.avg.cal
Action:
Spectral calibration
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
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: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Coefficients in file /disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.
Processing time: Tue Sep 1 16:37:44 1998
Output file name:
/disk1/scia/DATA-DIR/SPEC-CAL/18/scia_01091998_134411868.egse_ltf.du.avg.cal.v

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
	WLS ext light seems ok dark seems ok some noise in ch 6 etalon humidity ? Stimuli is flashed ! $\frac{WS}{WP}$ = eta compared with previous (suddir 9) ok WS+WP compared with previous ratio = 1 ± 2%	

Formal Run of Measurement

(Measurement ID) WLS_EXT

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

§15.2

Azimuth	+45.000	deg
Elevation	-45.000	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	5									
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	8	8						
2a	8	8						
3	0.125	64					⋮	
4	0.0625	64						
5	0.03125	64						
6	H5	64						
7	H6	64						
8	H7	64						
State ID								

Stimuli Settings for Existing Blocks in Measurement

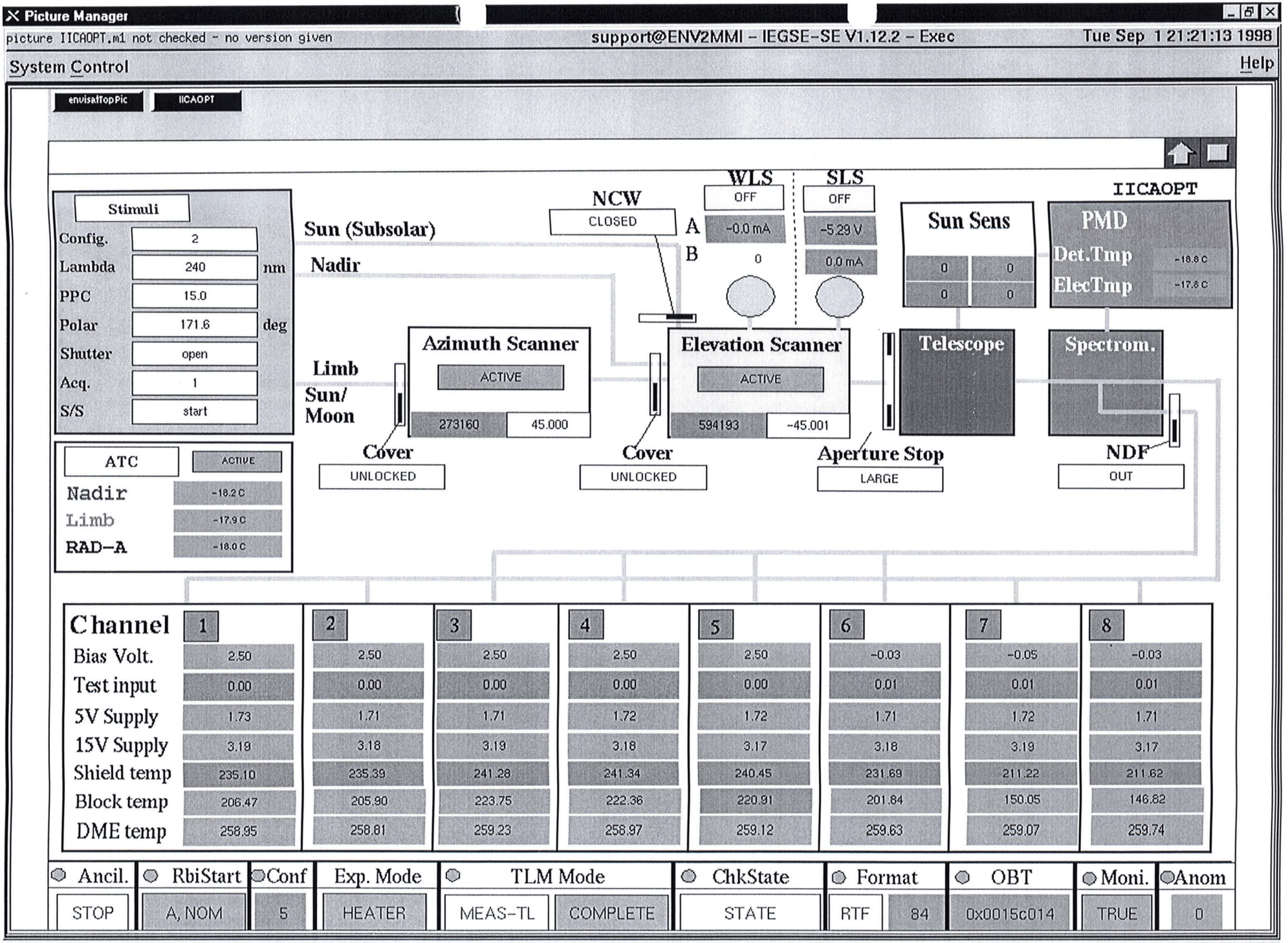
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]
1	2	15.0	171.6	OPEN	1	240	240	0	1	WS1	12
2	2	15.0	85.4	OPEN	1	240	240	0	1	WP1	20
3	2	15.0	85.4	CLOSE	1	240	240	0	1	DU1	8

Measurement Data Description

Test Purpose	Formal Run WLS_EXT
Remark	UID 48
Data Directory	0244.21.12.N_WLS_EXT

Signatures

	Date	Signature
Issued	1/9/98	
< Performed	1/9/98	


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Tue Sep 1 21:21:13 1998
System Control
Help
envisatTopPic
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
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
-5.29 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.6 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 235.10 235.39 241.28 241.34 240.45 231.69 211.22 211.62
Block temp 206.47 205.90 223.75 222.36 220.91 201.84 150.05 146.82
DME temp 258.95 258.81 259.23 258.97 259.12 259.63 259.07 259.74
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 84
OBT 0x0015c014
Moni. TRUE
Anom 0

PPG external

STEP	ACTION	RESULT	MARKER
Intro	Your name:	BZW	
	Date:	1-9-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_01091998_21153546S.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l -EXT		Note: In window DATA-DIR
	highest number in directory?	10	(B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory?	11	(C)
	<C> should be <B> + 1 directory name is:	Y / N -EXT ~/DATA-DIR/WLS/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the valueof the correction subdirectory corresponding to the current date. When running the PPG analysis, you will be asked to select this direcotory when storing the resulting PPG correction file.		In DATA-DIR window not performed for external main

PPG extend

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 sxia_01091998_211535465.egse_ltf (D) `<D>` should be `<A>.egse_ltf` Y / N	Note: In window DATA-DIR; your current directory should be ~/DATA-DIR/WLS/<C>; don't forget the dot !!! May take more than 15 mins.
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: ohne	should be approx 150Kb
	White light file: `ls -l *.wu*.avg.cal` size: NS ohne	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 Contentsof file `*wu*.avg.cal.ps` should resemble white light source: (Y) / N Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. (Y) / N	

PPG Extern

	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

PPG processing

Run PPG	`idl do_ppg` do_ext_pps for light file: *.wpl.*		In IDL window
Check PPG	`ls -l *`		In DATA-DIR Window should be approx 150Kb
	Size of file `*.du*.cal.ppg.cal`	ok.	
	Size of file `*.du*.cal.ppg.cal.log`	379 byte.	
	Size of file `*.du*.cal.ppg.cal.ps`	146 kb.	
Check PPG visually	`lpr -P<printer>` `*.du*.cal.ppg.cal.ps` *)		
	Value of PPG should show only a small variation around 1.0 (like noise).	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer>` `*.du*.cal.ppg.cal.log`		
	Add logfiles to logbook, done	Y / N	

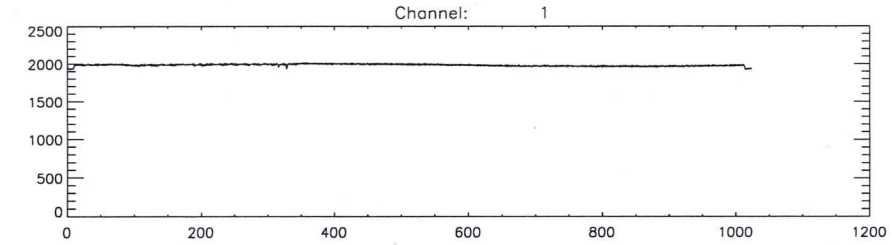
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k` . gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	aogg8D	This has to be done only for EXTERN-START-OF-CAL -WARM

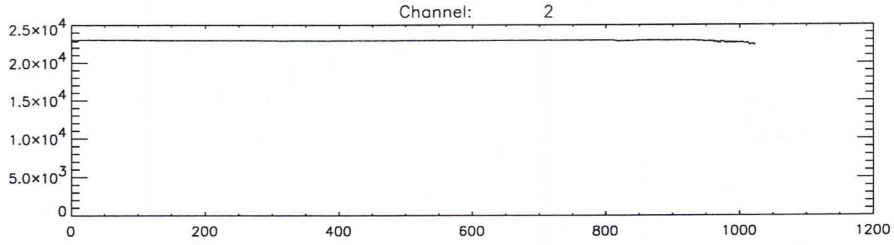
Sign:	Name	M. Kalt	(12-8-08)
	Date and time	1-9-08 22:30	

*) If msm performed just after temp change, and N/START-OF-CAL/EXTERN-START-OF-CAL-COLD-WARM is empty:
cp *.* N/START-OF-CAL/EXTERN-START-OF-CAL-WARM/

PPG extern

Signature _____


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
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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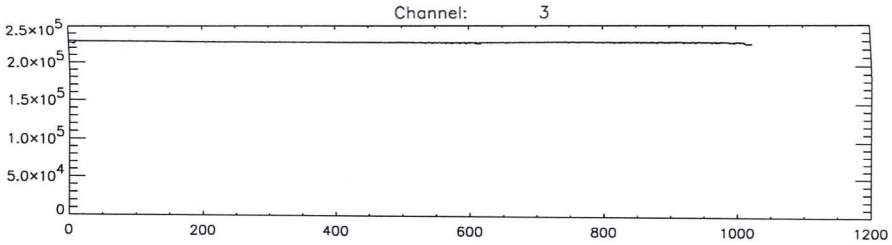
600
800
1000
1200


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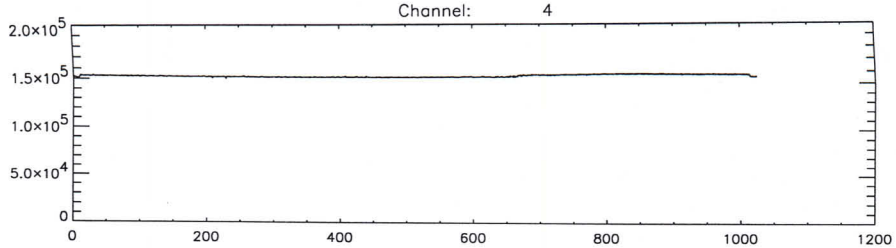
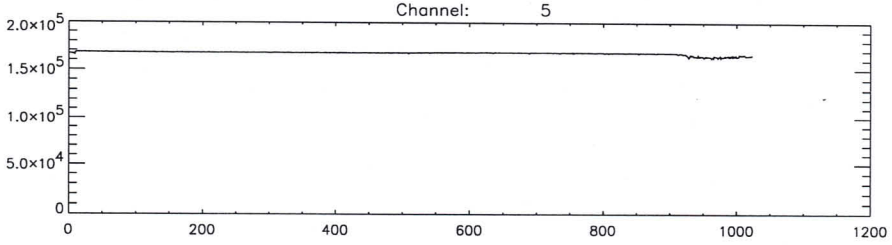
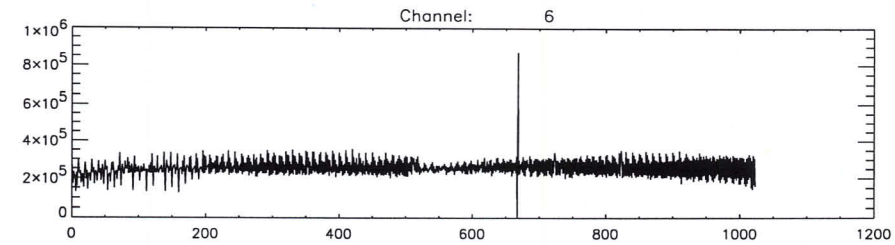
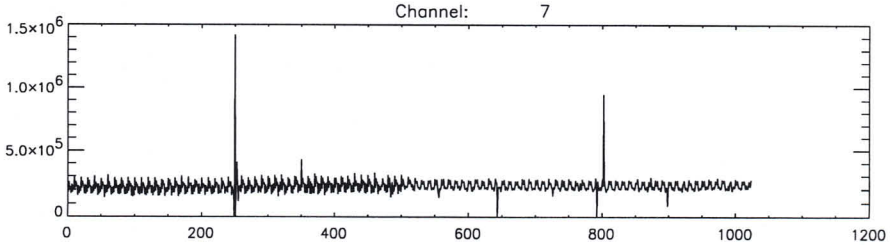
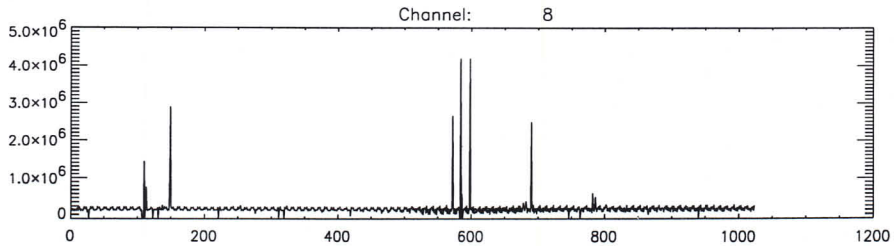
600
800
1000
1200


Channel: 4
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: 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: 6
1×10^6
8×10^5
6×10^5
4×10^5
2×10^5
0
0
200
400
600
800
1000
1200


Channel: 7
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 8
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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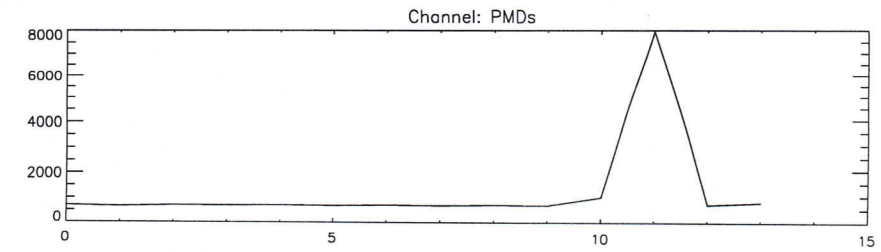
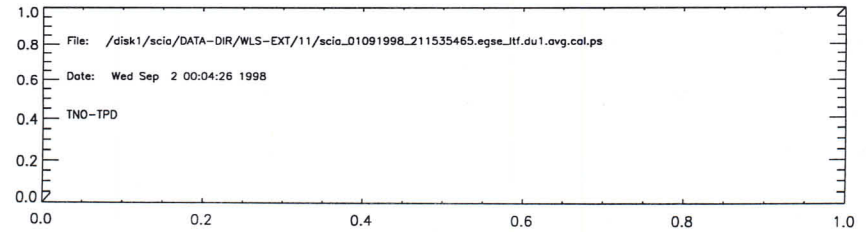
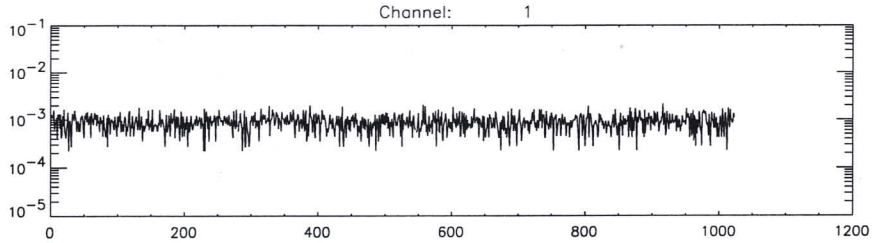
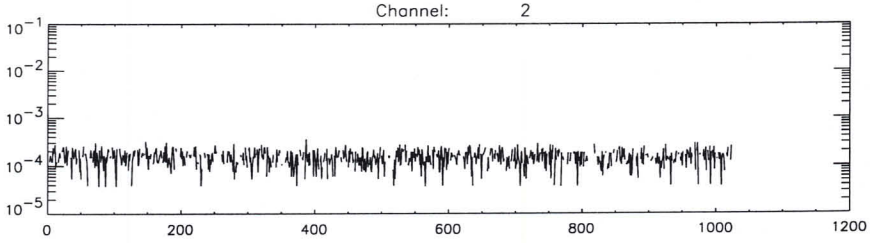
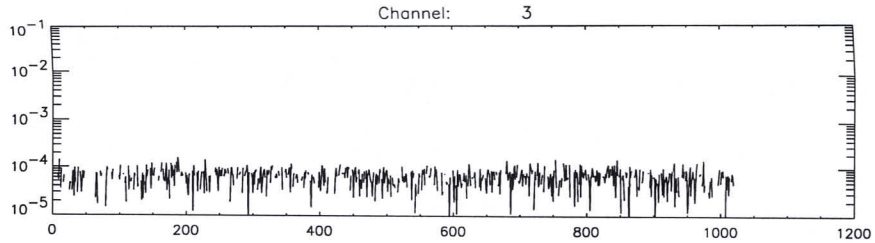
600
800
1000
1200

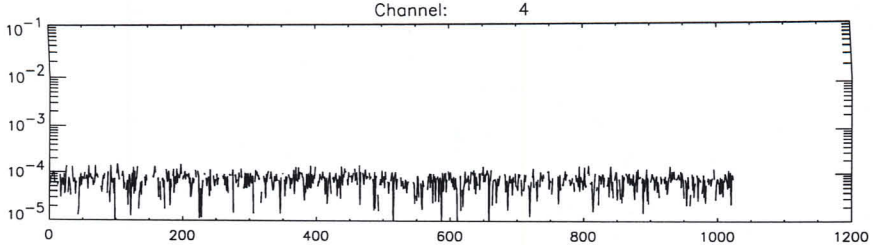

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

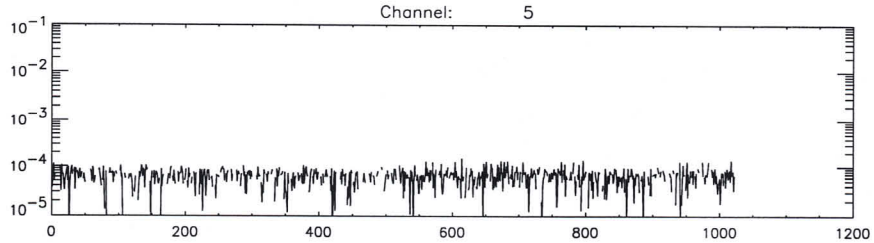

File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.du1.avg.col.ps
Date: Wed Sep 2 00:04:26 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

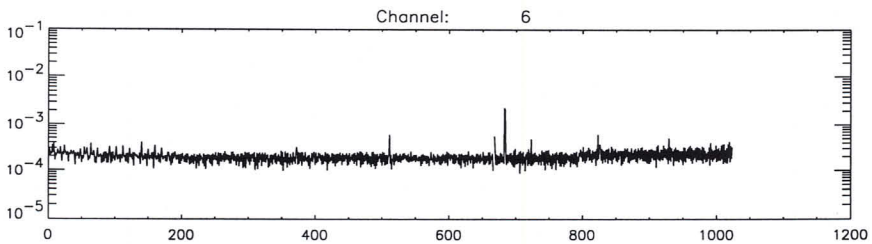

Channel: 1

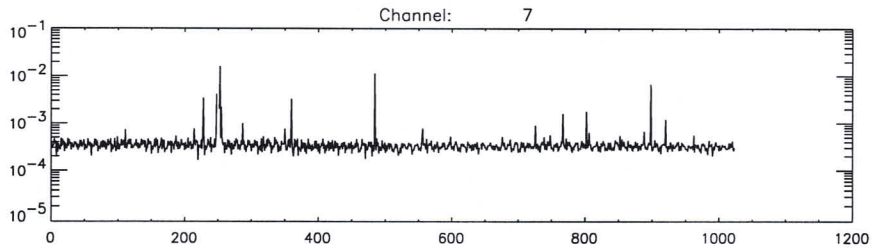

Channel: 2

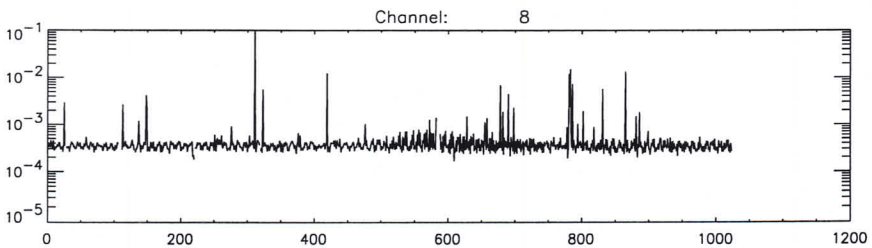

Channel: 3

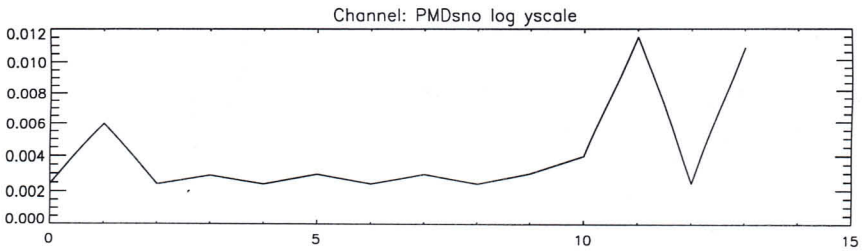

Channel: 4

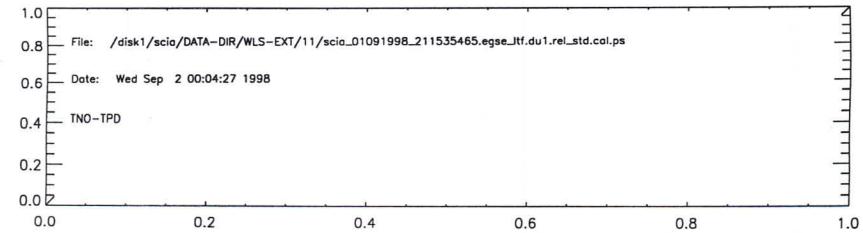

Channel: 5

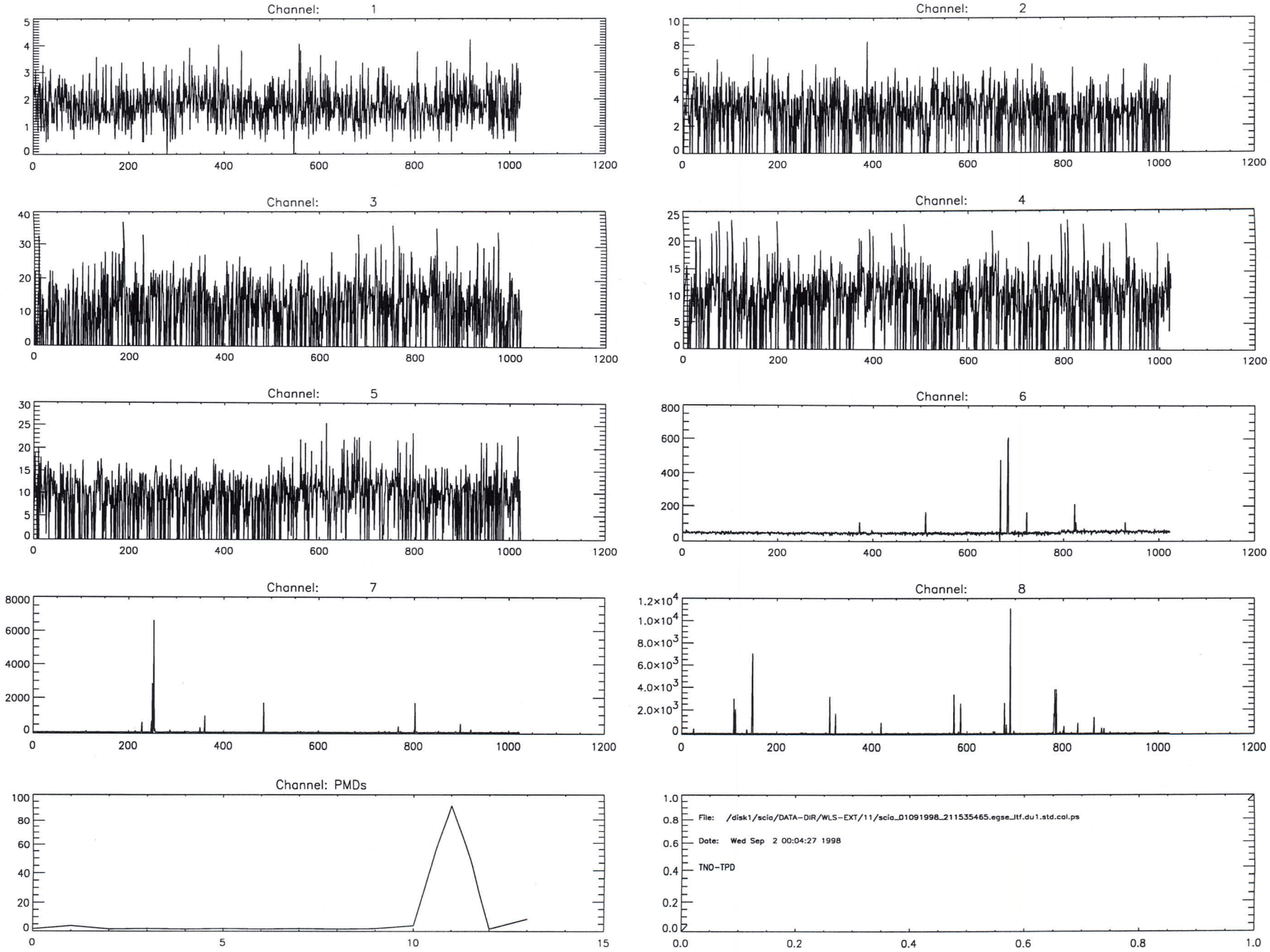

Channel: 6

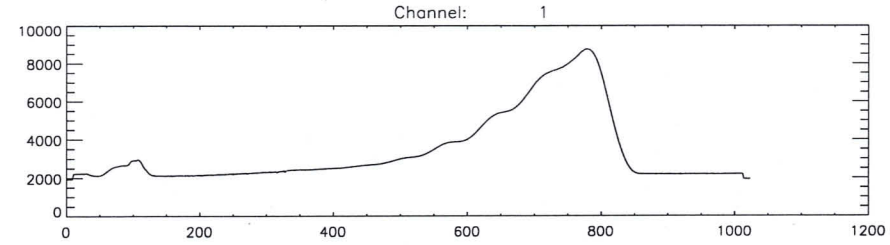

Channel: 7

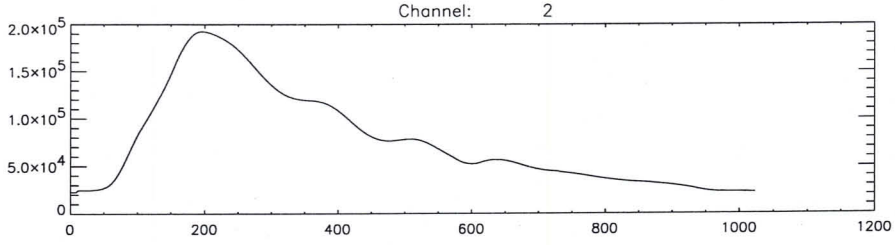

Channel: 8

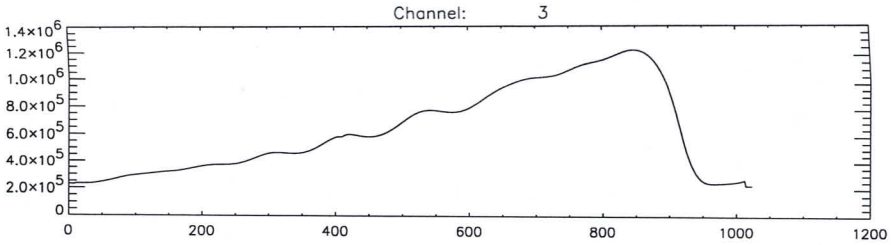

Channel: PMDsno log yscale

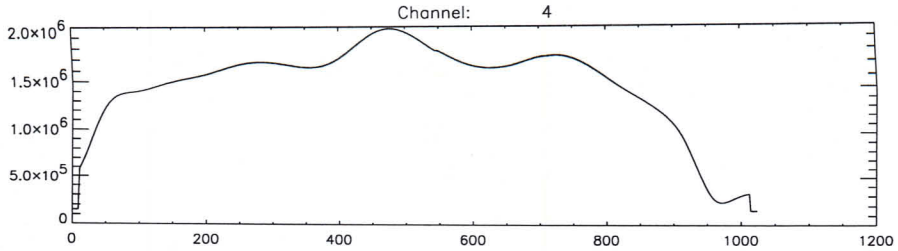

File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.du1.rel_std.cal.ps
Date: Wed Sep 2 00:04:27 1998
TNO-TPD


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/11/scia_01091998_211535465.egse_itf.du1.std.col.ps
Date: Wed Sep 2 00:04:27 1998
TNO-TPD


Channel: 1
10000
8000
6000
4000
2000
0
0
200
400
600
800
1000
1200


Channel: 2
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 3
1.4x10^6
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: 4
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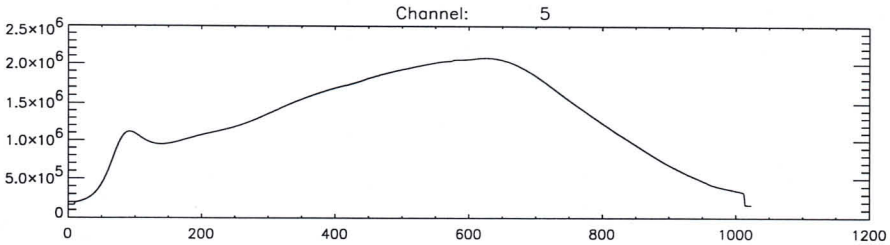
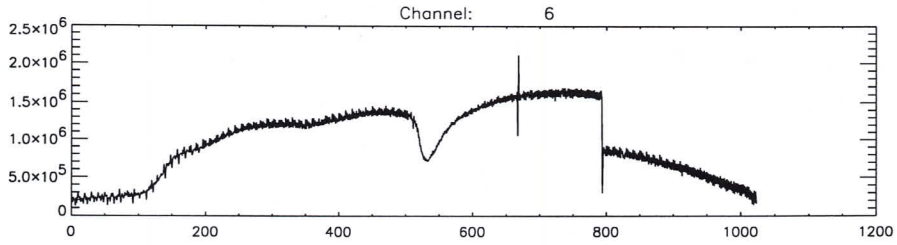
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


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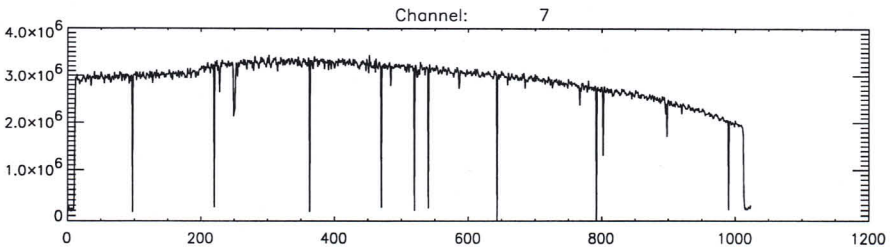
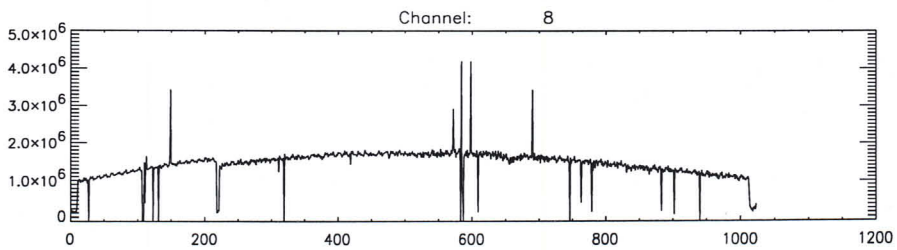
400
600
800
1000
1200


Channel: 7
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 8
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
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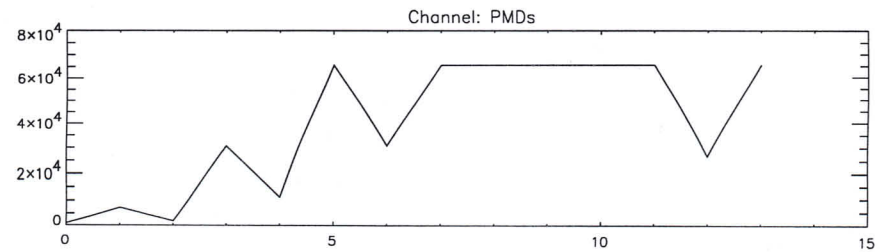
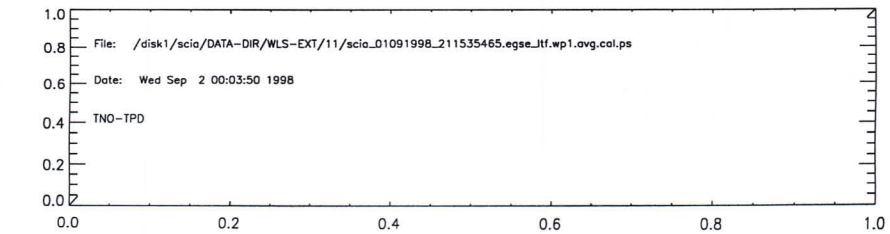
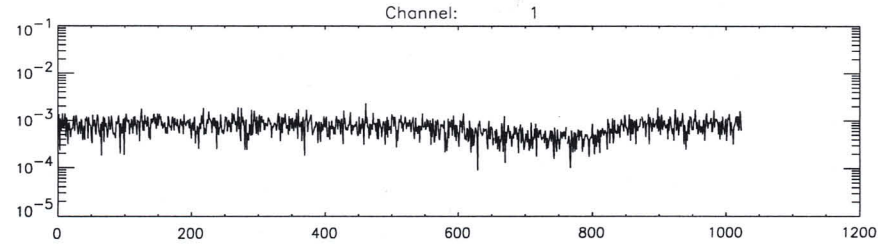
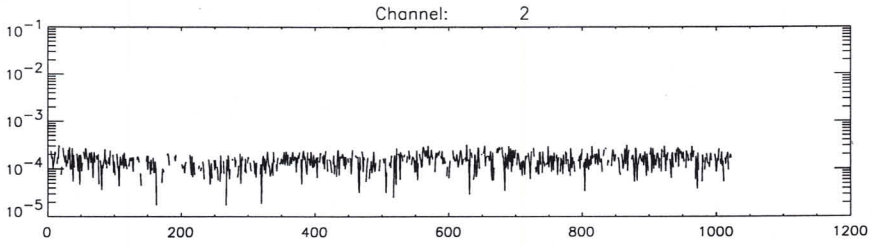
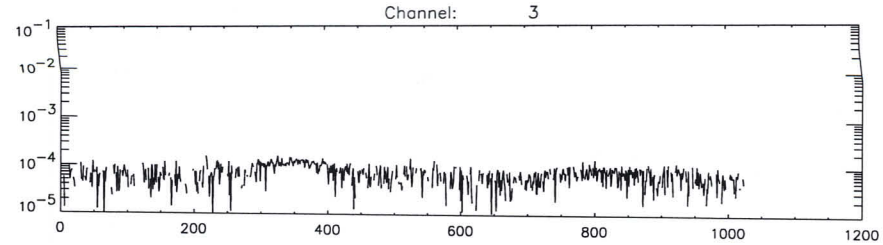
600
800
1000
1200

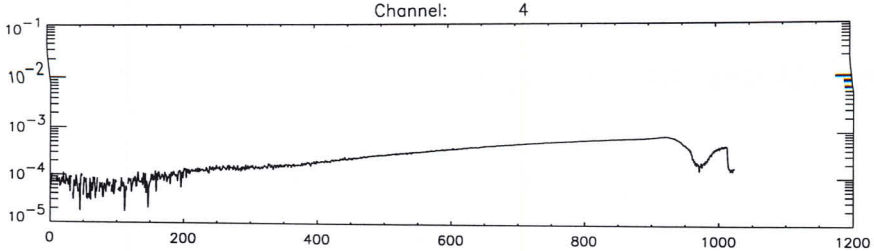

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

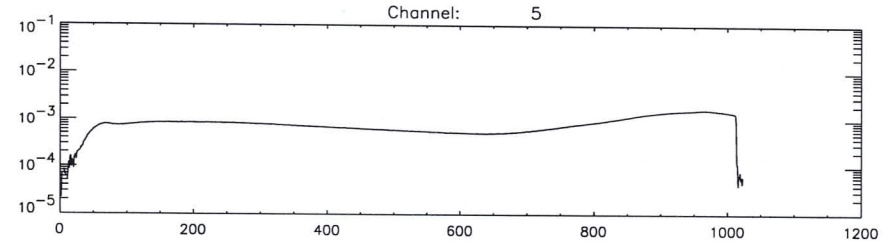

1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.wp1.avg.col.ps
Date: Wed Sep 2 00:03:50 1998
TNO-TPD

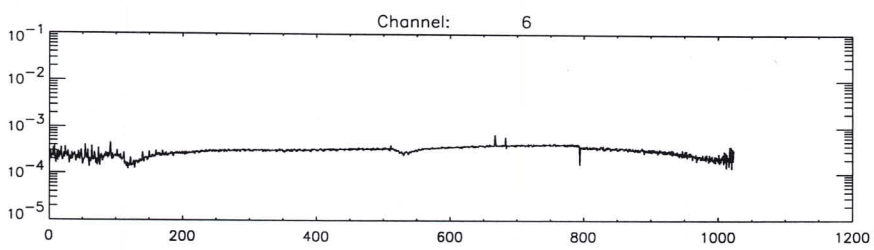

Channel: 1

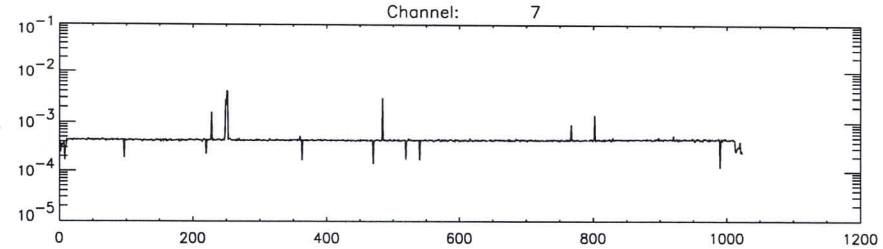

Channel: 2

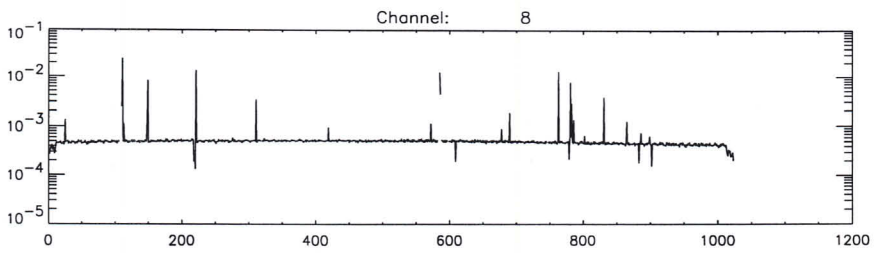

Channel: 3

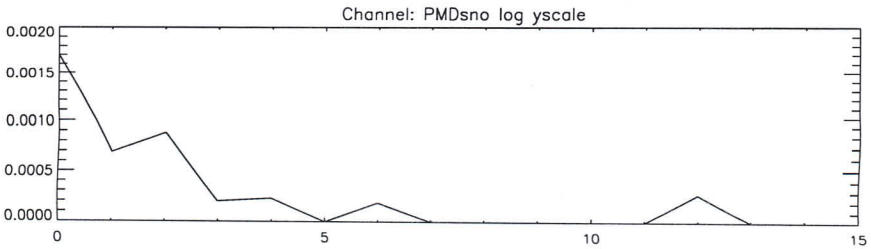

Channel: 4

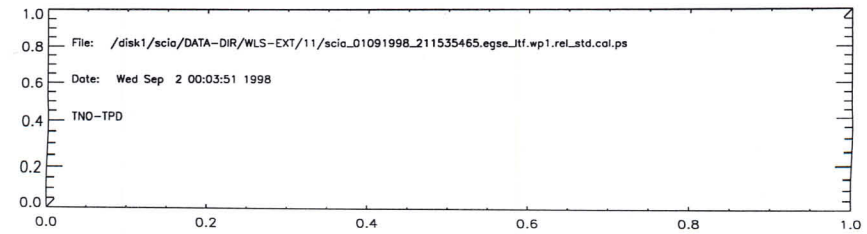

Channel: 5

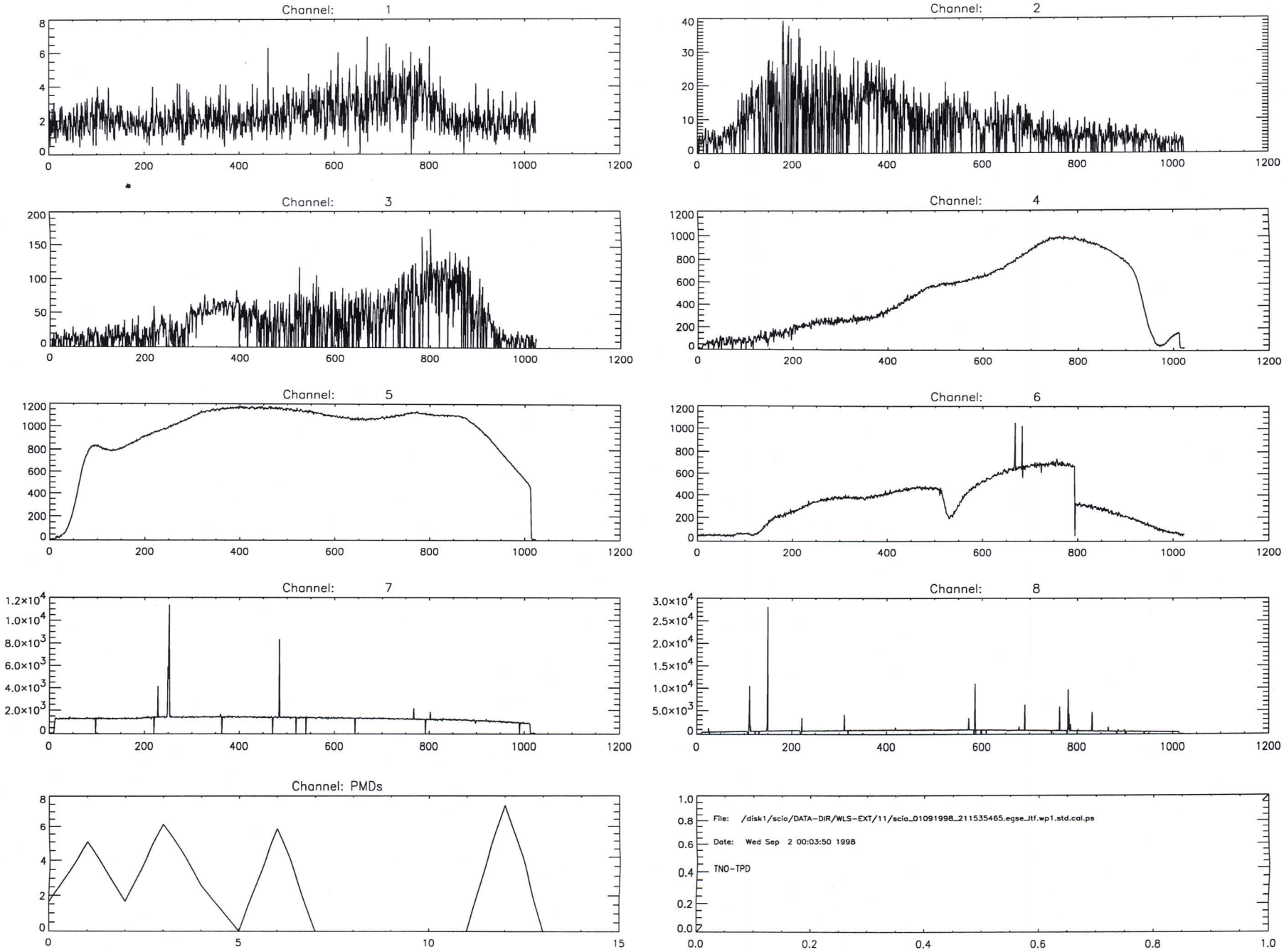

Channel: 6

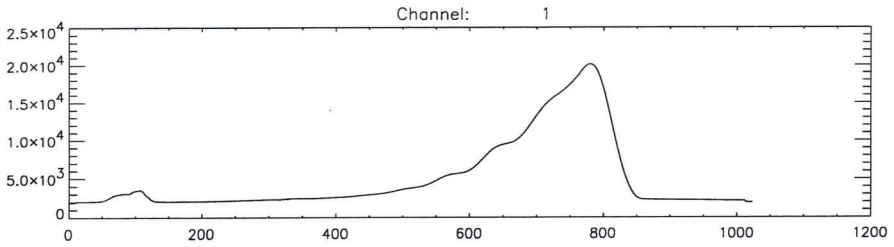

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.wp1.rel_std.cal.ps
Date: Wed Sep 2 00:03:51 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/11/scia_01091998_211535465.egse_ltf.wp1.std.cal.ps
Date: Wed Sep 2 00:03:50 1998
TNO-TPD


Channel: 1
2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
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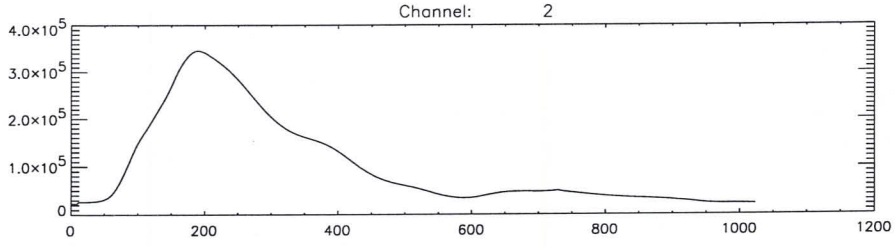
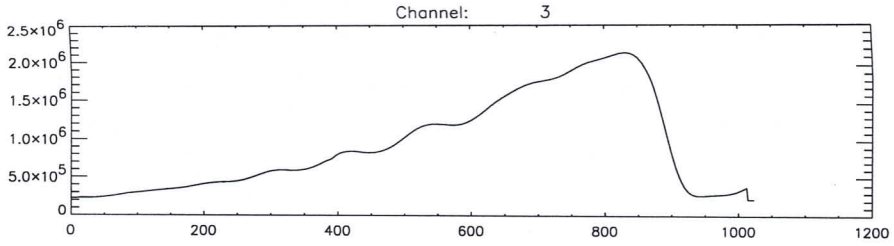
600
800
1000
1200


Channel: 2
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 3
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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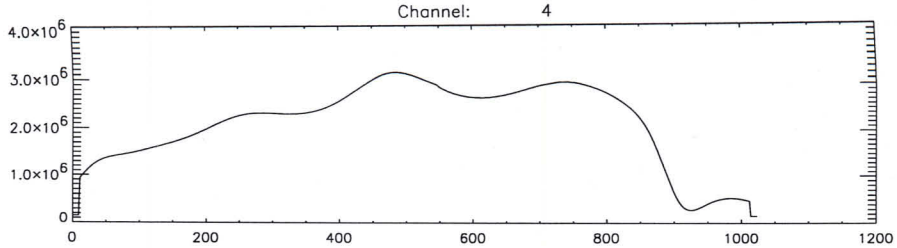
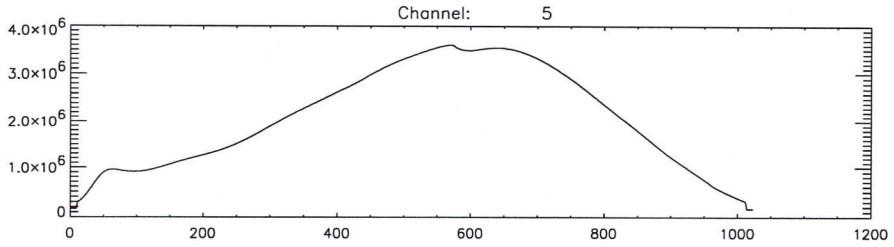
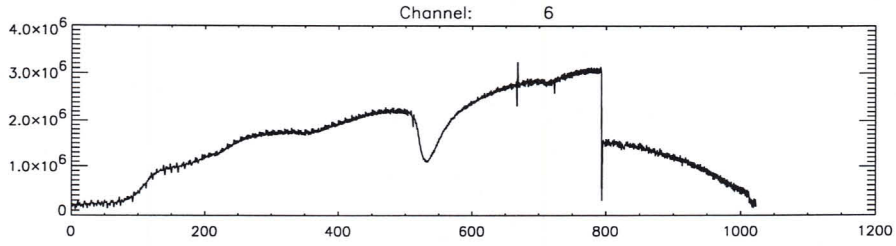
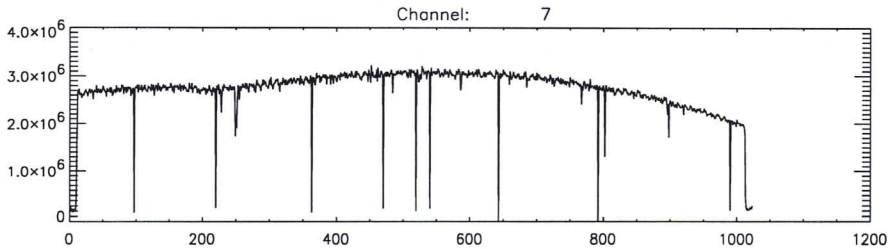
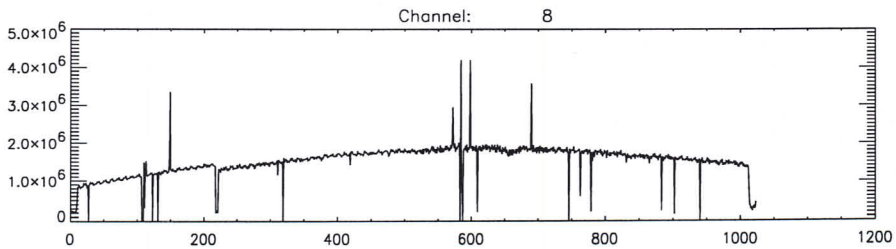
400
600
800
1000
1200


Channel: 4
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 5
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 7
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 8
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
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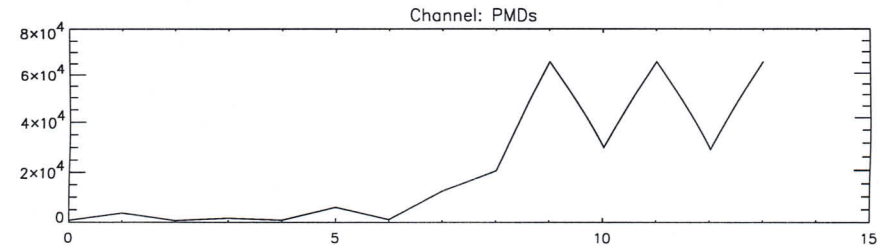
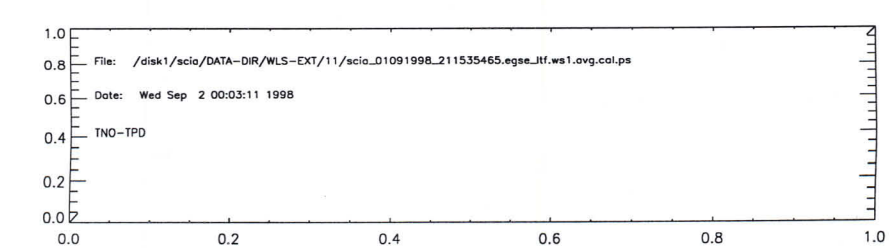
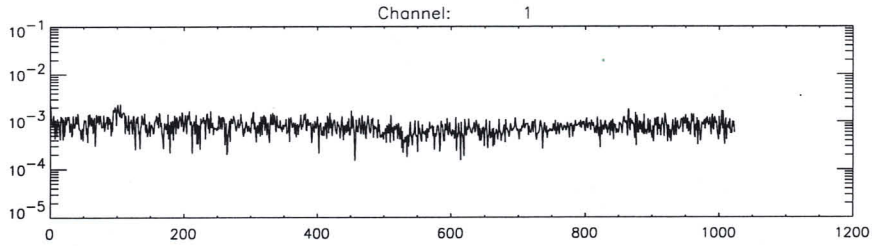
600
800
1000
1200


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


1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.ws1.avg.cal.ps
Date: Wed Sep 2 00:03:11 1998
TNO-TPD


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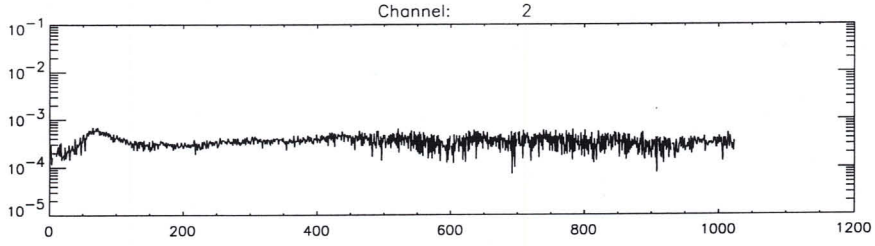
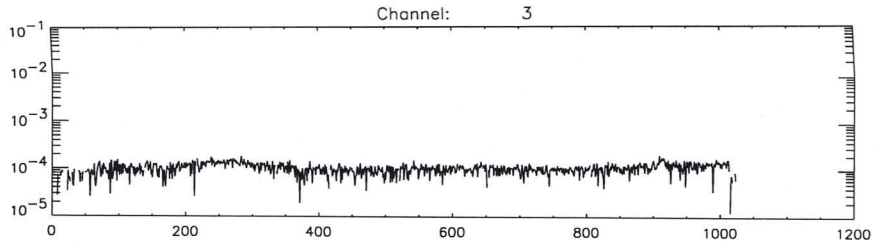
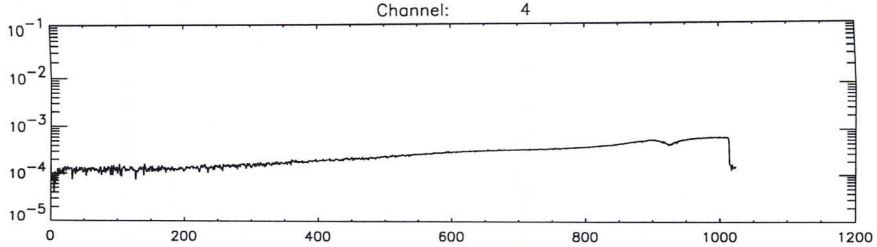
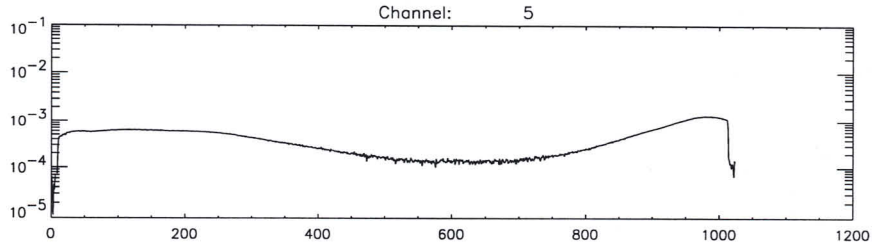
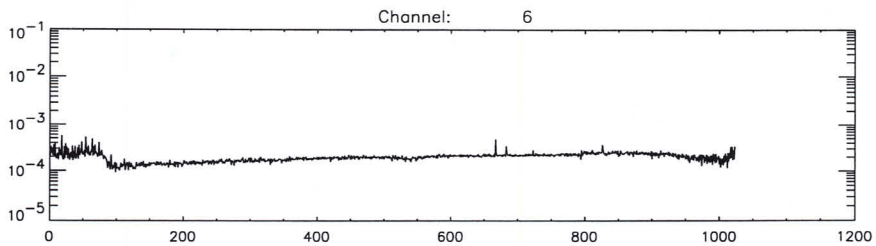
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

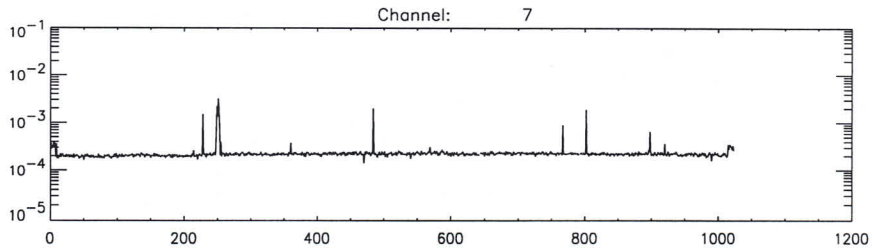

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

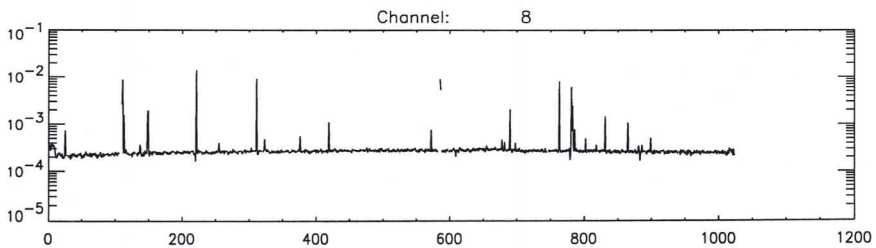

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

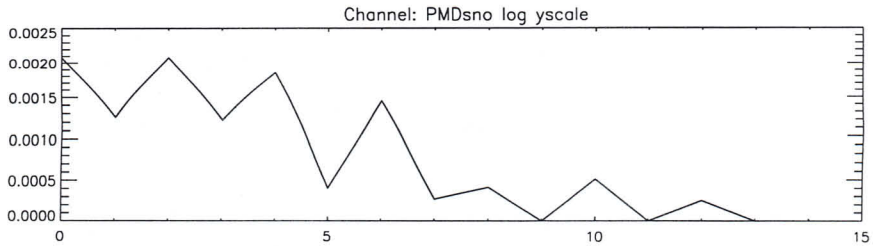

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

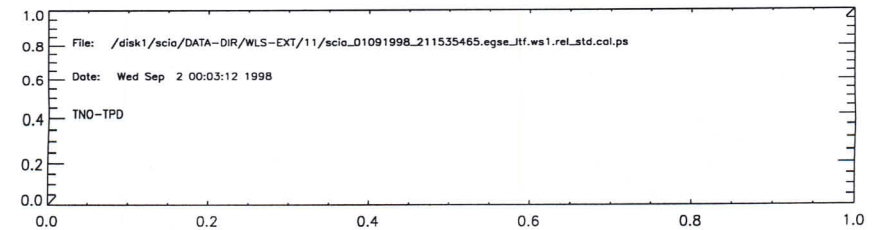

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


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
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.ws1.rel_std.cal.ps
Date: Wed Sep 2 00:03:12 1998
TNO-TPD
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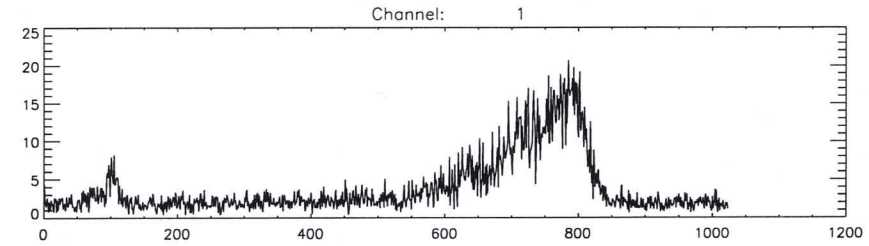
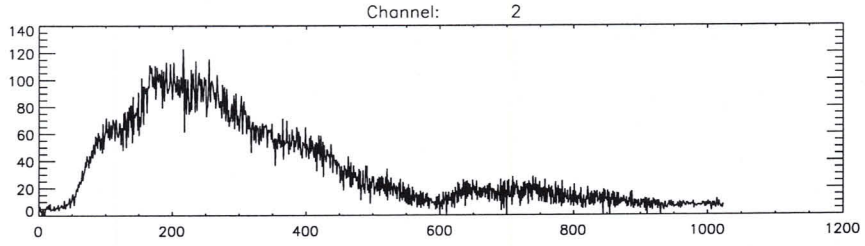
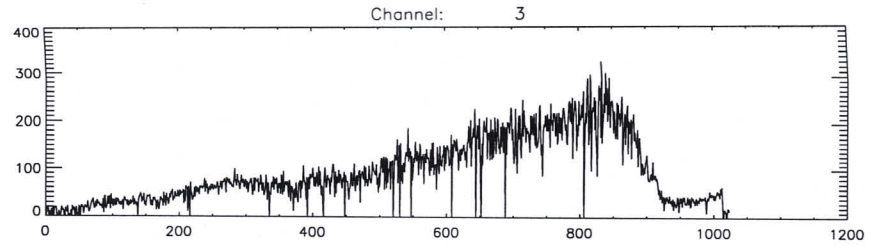
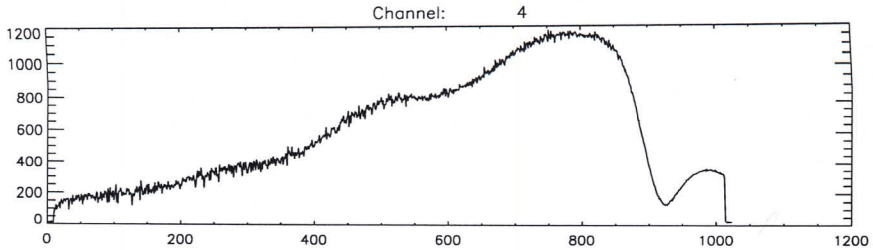
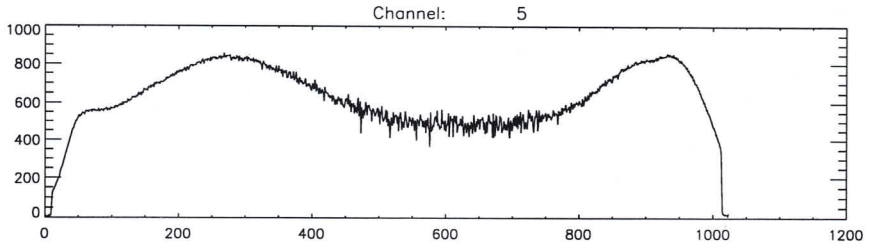
0.2
0.4
0.6
0.8
1.0

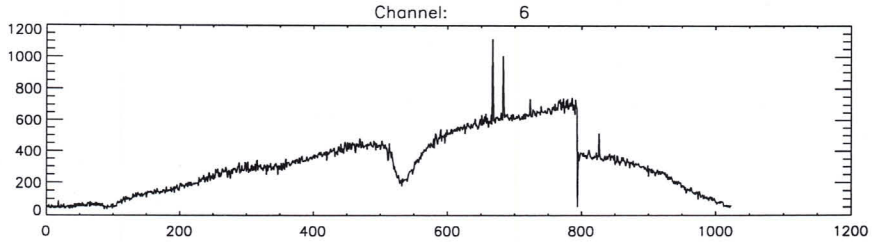

Channel: 1

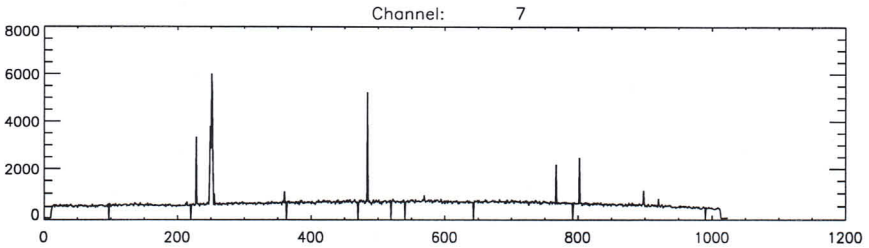

Channel: 2

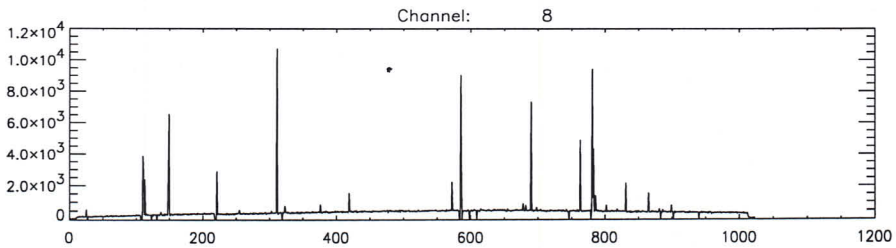

Channel: 3

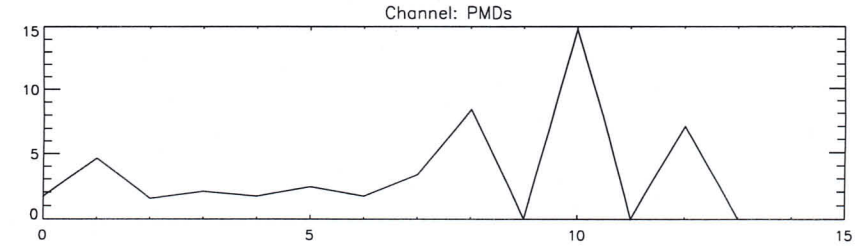

Channel: 4

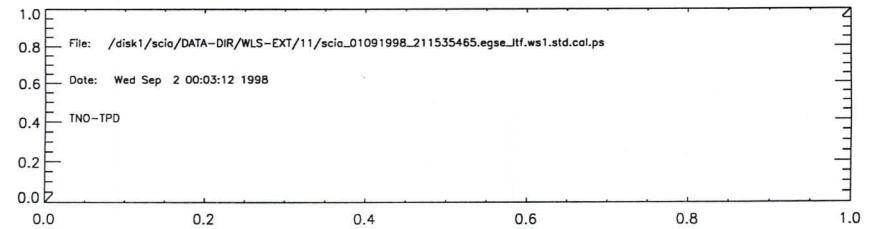

Channel: 5


Channel: 6


Channel: 7


Channel: 8

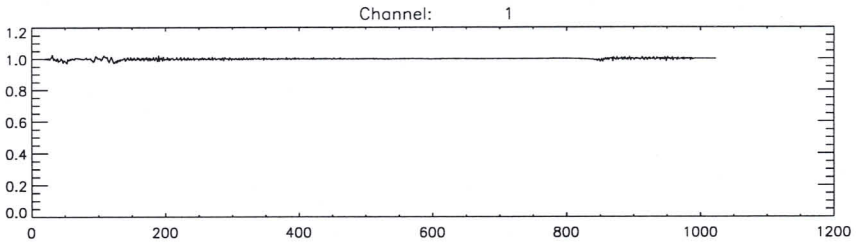

Channel: PMDs

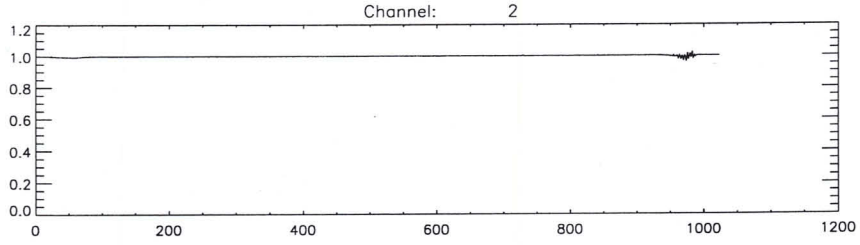

File: /disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_itf.ws1.std.col.ps
Date: Wed Sep 2 00:03:12 1998
TNO-TPD

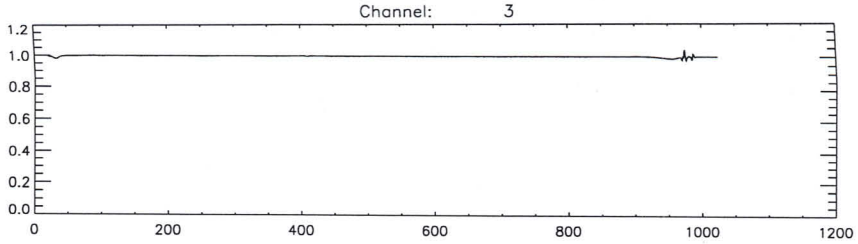
```
time       = Wed Sep  2 00:04:27 1998
batch      = du1
Start TOD = Tue 01-Sep-98 21:28:48
End   TOD = Tue 01-Sep-98 21:34:39
Processing= computation of average, standard dev. and rel.standard dev.
```

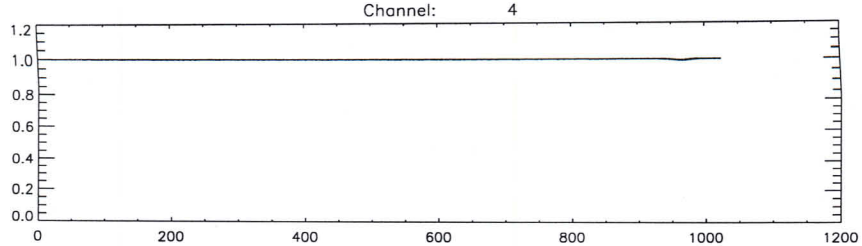
```
time       = Wed Sep  2 00:03:51 1998
batch      = wp1
Start TOD = Tue 01-Sep-98 21:22:20
End   TOD = Tue 01-Sep-98 21:28:48
Processing= computation of average, standard dev. and rel.standard dev.
```

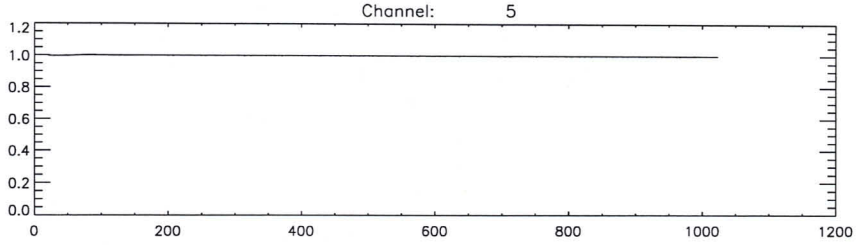
```
time       = Wed Sep  2 00:03:12 1998
batch      = ws1
Start TOD = Tue 01-Sep-98 21:15:38
End   TOD = Tue 01-Sep-98 21:22:20
Processing= computation of average, standard dev. and rel.standard dev.
```

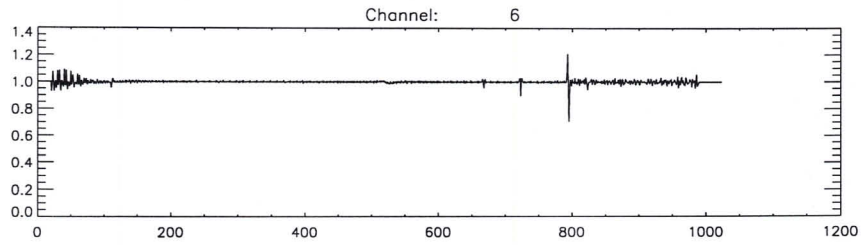

Channel: 1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

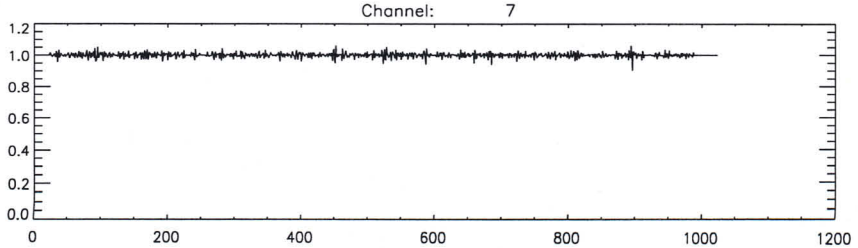

Channel: 2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

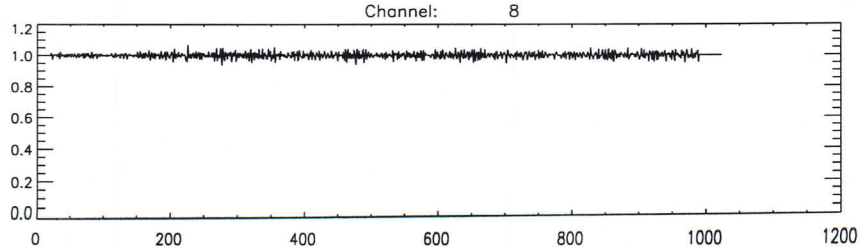

Channel: 3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

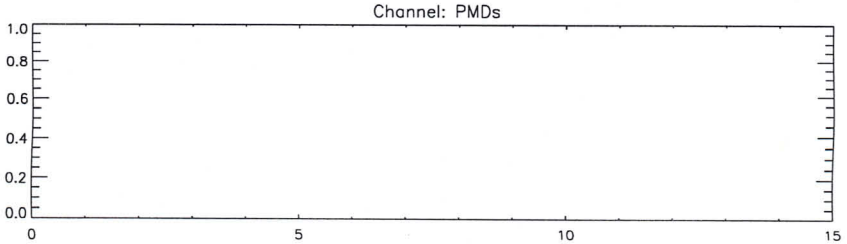

Channel: 4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

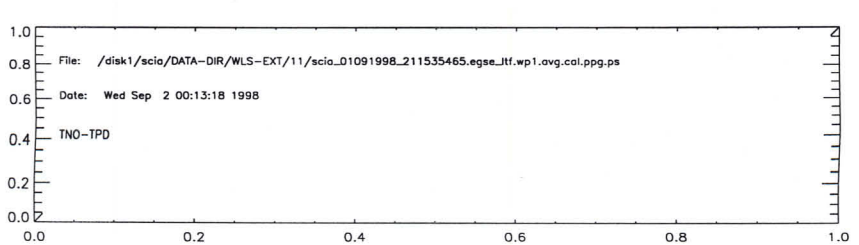

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
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
1.2
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/WLS-EXT/11/scia_01091998_211535465.egse_itf.wp1.avg.cal.ppg.ps
Date: Wed Sep 2 00:13:18 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

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_ltf.wp1.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Wed Sep 2 00:13:18 1998
Output file name:
/disk1/scia/DATA-DIR/WLS-EXT/11/scia_01091998_211535465.egse_ltf.wp1.avg.cal.p

Etalon -external

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	BZW 1-9-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_0109 1998 – 21153 54 65. dat.	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/WLS ; ls -l highest number in directory?	-EXT	Note: In window DATA-DIR (B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory? <C> should be <B> + 1 directory name is:	Y / N EXT ~/DATA-DIR/WLS/<C>	(C) (DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr correction directory	ls -l ~/DATA-DIR/CORR If there isn't a subdirectory corresponding to the current date, then construct a CORRECTION directory (see: analysis sheet Construct CORR directory). What is the value of the correction subdirectory corresponding to the current date. When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.		In DATA-DIR Window

(Do this only when you haven't already a directory with the source file for PPG purposes.)

Etalon -external-

Note: In window DATA-DIR; your current directory should be ~/DATA-DIR/WLS/<C >; don't forget the dot !!! May take more than 15 mins.

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)

`<D> should be <A>.egse_ltf` Y / N

Cnstr CAL files

`idl run_averscia` (and select file <D> when asked)

Note: In window IDL

In DATA-DIR window

Check CAL files

Dark files:

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

should be approx 150Kb

size: _____

White light file:

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

WP

WS

should be approx 150Kb

size: _____

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 of file `*ww*.avg.cal.ps` should resemble white light source: Y / N

WP WS

ppg all done.

ppg all done.

	Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is:	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.log` Add logfiles to logbook, done	Y / N	

ETALON processing		new	what is small?
Run ETALON	`idl` ~~do_etalon~~ el do_ext etalon only for WP		In IDL window
Check ETALON	`ls -l <DIR-NAME>/*` Size of file `*.du*.avg.cal.etalon.cal`		In DATA-DIR window should be approx 150Kb
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.cal.ps` WP Value of ETALON should show only a small variation around 1.0 (like noise).	Y / N	
	Add postscript images to logbook, done	Y / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log` Add logfiles to logbook, done	Y / N	

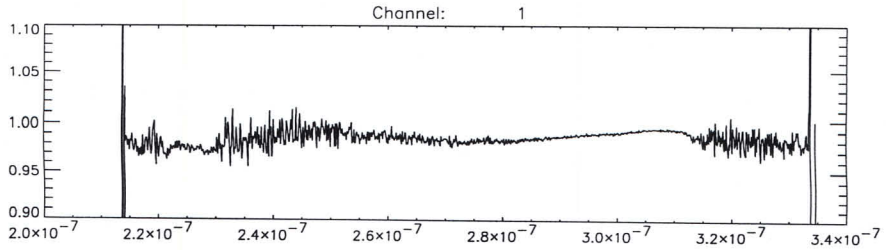
(*) When asked a file containing reference WLS spectrum (START_OF_CAL) select the right subdirect EXTERN_START_OF_CAL_WARM or EXTERN_START_OF_CAL_COLD. (depending on detector temp if using an external lamp use: EXTERN_START_OF_CAL_COLD OR EXTERN_START_OF_CAL_WARM

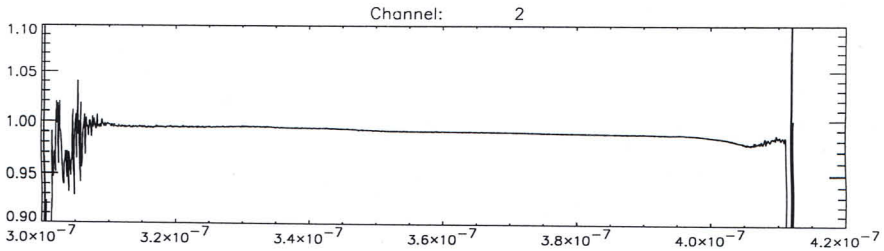
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	010998D	See analysis sheet BackUp

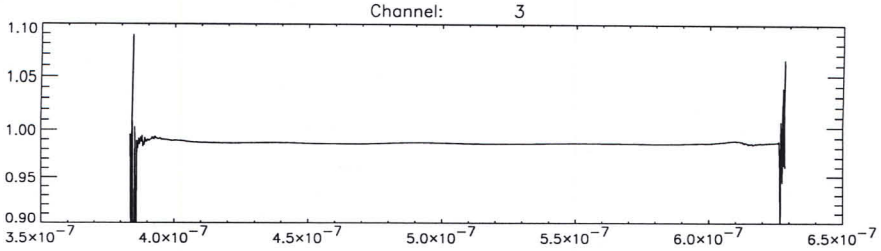
Sign:	Name	

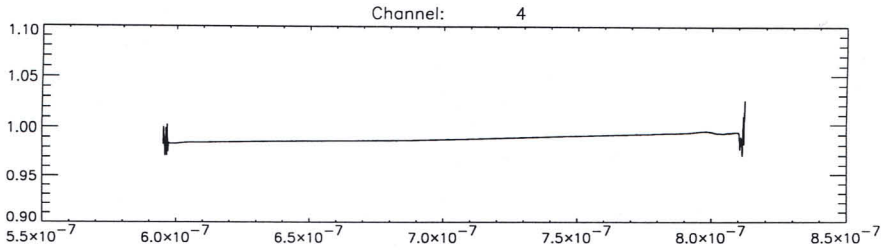
Date and time 1-9-98

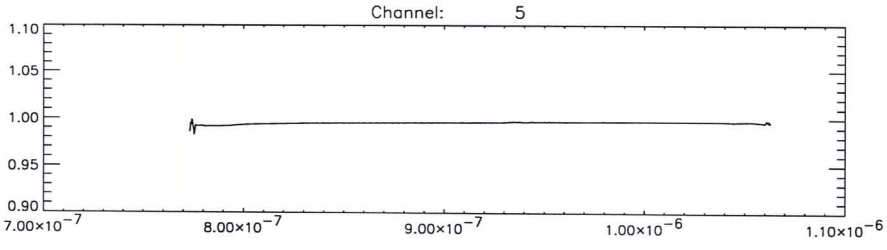
Signature

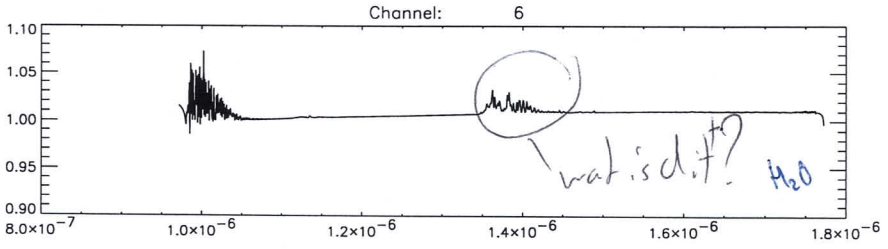

Channel: 1
1.10
1.05
1.00
0.95
0.90
2.0×10⁻⁷
2.2×10⁻⁷
2.4×10⁻⁷
2.6×10⁻⁷
2.8×10⁻⁷
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷

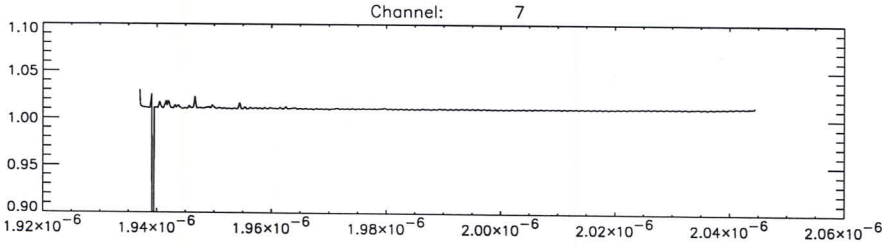

Channel: 2
1.10
1.05
1.00
0.95
0.90
3.0×10⁻⁷
3.2×10⁻⁷
3.4×10⁻⁷
3.6×10⁻⁷
3.8×10⁻⁷
4.0×10⁻⁷
4.2×10⁻⁷

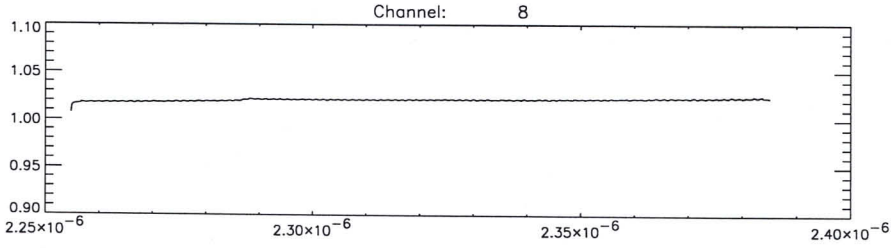

Channel: 3
1.10
1.05
1.00
0.95
0.90
3.5×10⁻⁷
4.0×10⁻⁷
4.5×10⁻⁷
5.0×10⁻⁷
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷

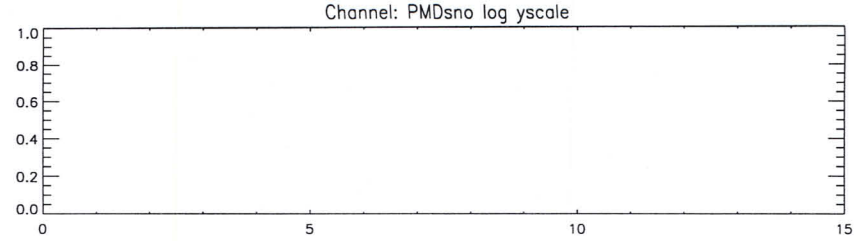

Channel: 4
1.10
1.05
1.00
0.95
0.90
5.5×10⁻⁷
6.0×10⁻⁷
6.5×10⁻⁷
7.0×10⁻⁷
7.5×10⁻⁷
8.0×10⁻⁷
8.5×10⁻⁷

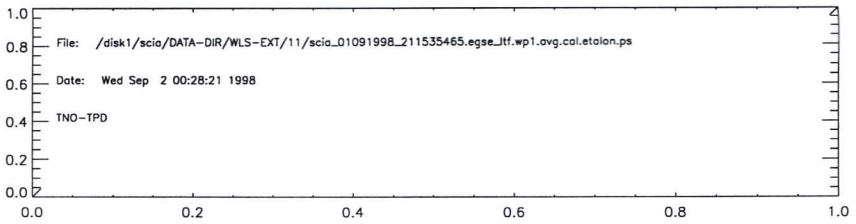

Channel: 5
1.10
1.05
1.00
0.95
0.90
7.00×10⁻⁷
8.00×10⁻⁷
9.00×10⁻⁷
1.00×10⁻⁶
1.10×10⁻⁶

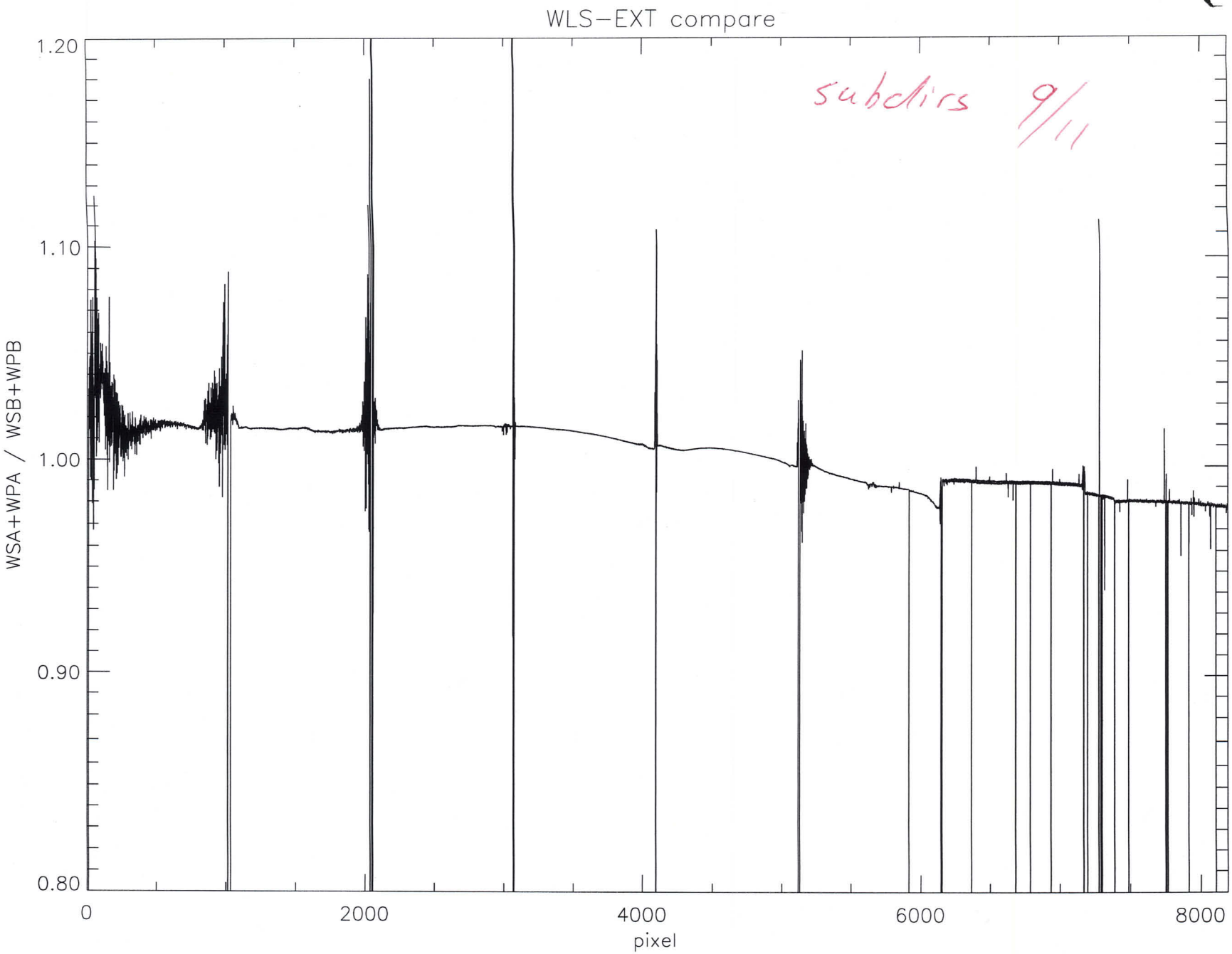

Channel: 6
1.10
1.05
1.00
0.95
0.90
8.0×10⁻⁷
1.0×10⁻⁶
1.2×10⁻⁶
1.4×10⁻⁶
1.6×10⁻⁶
1.8×10⁻⁶
wat is dit? H2O

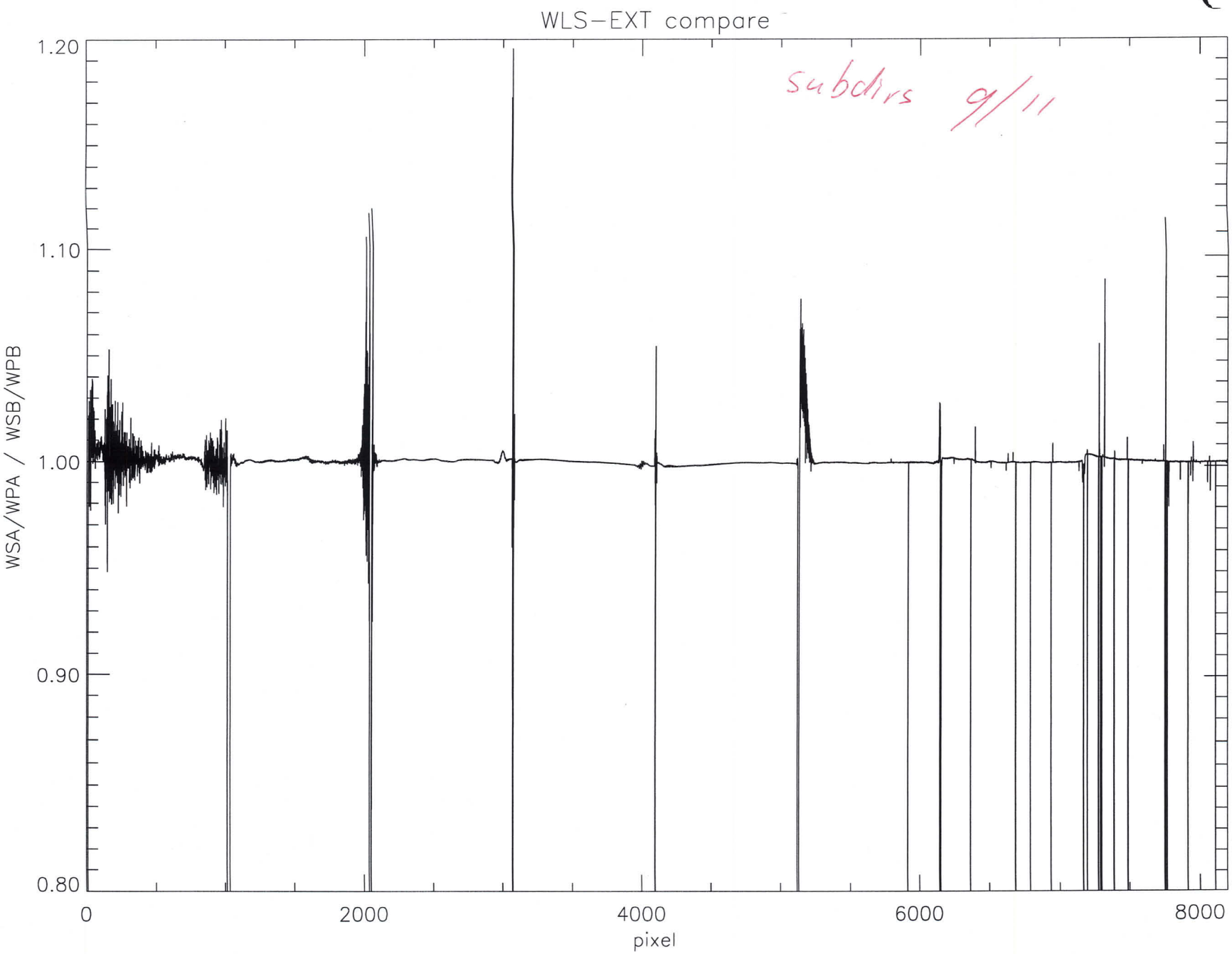

Channel: 7
1.10
1.05
1.00
0.95
0.90
1.92×10⁻⁶
1.94×10⁻⁶
1.96×10⁻⁶
1.98×10⁻⁶
2.00×10⁻⁶
2.02×10⁻⁶
2.04×10⁻⁶
2.06×10⁻⁶


Channel: 8
1.10
1.05
1.00
0.95
0.90
2.25×10⁻⁶
2.30×10⁻⁶
2.35×10⁻⁶
2.40×10⁻⁶


Channel: PMDsno log yscale
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/WLS-EXT/11/scia_01091998_211535465.egse_ltf.wp1.avg.cal.etalon.ps
Date: Wed Sep 2 00:28:21 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


WLS−EXT compare
subdirs 9/11
1.20
1.10
1.00
0.90
0.80
WSA+WPA / WSB+WPB
0
2000
4000
6000
8000
pixel


WLS−EXT compare
subdirs 9/11
1.20
1.10
1.00
0.90
0.80
WSA/WPA / WSB/WPB
0
2000
4000
6000
8000
pixel

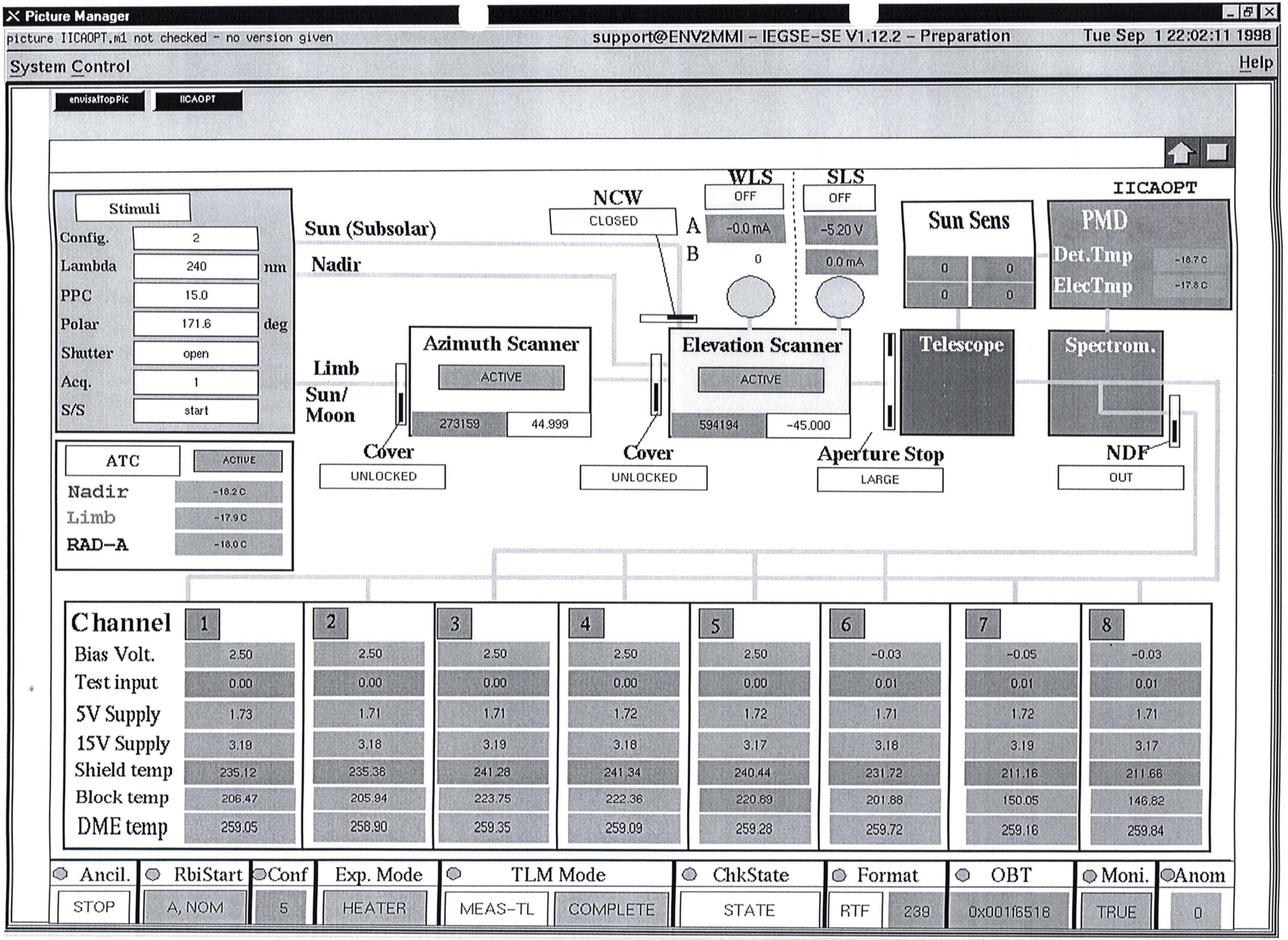
```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Wed Sep  2 08:15:25 1998
; marion11.pro
; by Marion Stoppelenburg

;****************************************
tooloweta= 0.001
;****************************************

wpa=fltarr(1024,8)
wsa=fltarr(1024,8)
wpb=fltarr(1024,8)
wsb=fltarr(1024,8)

print
print, ' Calculates ratio of to sets WS and WP files'
print, ' Calculates WSA+WPA / WSB+WPB'
print, ' Calculates EtaA /EtaB'
print

print
print, ' Select set A e.g. WLS-EXT/9'
print
marion12, wsa,wpa

print
print, ' Select set B e.g. WLS-EXT/11'
print
marion12, wsb,wpb

SumA=wsa+wpa
SumB= wsb+wpb
print, suma
print, sumb
smallvalue = min(SumB)
if (smallvalue lt 1) then begin & $
   print & $
   print, '************************************' & $
   print, 'Warning: Zero-values in array WSB+WPB' & $
   print, '         Set WSA+WPA to zero' & $
   print, '         Set WSB+WPB to one' & $
   print, '         Ratio will be zero' & $
   print, '************************************' & $
   print & $
   smallvalueindex = where(SumB lt 1) & $
   SumA(smallvalueindex) = 0 & $
   SumB(smallvalueindex) = 1 & $
endif
SumRatio=SumA/SumB


smallvalue = min(wpa)
if (smallvalue lt 1) then begin & $
   print & $
   print, '************************************' & $
   print, 'Warning: Zero-values in array WPA' & $
   print, '         Set WSA to zero' & $
   print, '         Set WPA to one' & $
   print, '         Ratio will be zero' & $
   print, '************************************' & $
   print & $
   smallvalueindex = where(wpa lt 1) & $
```

```
   wsa(smallvalueindex) = 0 & $
   wpa(smallvalueindex) = 1 & $
  endif

smallvalue = min(wpb)
if (smallvalue lt 1) then begin & $
   print & $
   print, '************************************' & $
   print, 'Warning: Zero-values in array WPB' & $
   print, '         Set WSB to zero' & $
   print, '         Set WPB to one' & $
   print, '         Ratio will be zero' & $
   print, '************************************' & $
   print & $
   smallvalueindex = where(wpb lt 1) & $
   wsb(smallvalueindex) = 0 & $
   wpb(smallvalueindex) = 1 & $
  endif


etaa=wsa/wpa
etab=wsb/wpb

smallvalue = min(etab)
if (smallvalue lt tooloweta) then begin & $
   print & $
   print, '************************************' & $
   print, 'Warning: Zero-values in array EtaB' & $
   print, '         Set EtaA to zero' & $
   print, '         Set EtaB to one' & $
   print, '         Ratio will be zero' & $
   print, '************************************' & $
   print & $
   smallvalueindex = where(etab lt tooloweta) & $
   etaa(smallvalueindex) = 0 & $
   etab(smallvalueindex) = 1 & $
  endif


etaratio=etaa/etab

ile = DIALOG_PICKFILE(PATH='/disk1/scia/temp/',FILTER='*.ps', $
      TITLE='Give title for PostScript file (without extension ".ps"')


window,0
plot, sumratio, yrange=[0.8,1.2], $
      xrange= [0,8192], xstyle=1, $
      xtitle= 'pixel', $
      ytitle = ' WSA+WPA / WSB+WPB', $
      title = ' WLS-EXT compare'

if psfile NE '' then begin & $
   f= psfile + '1.ps' & $
   set_plot, 'PS' & $
   device,/landscape,filename= f & $
   plot, sumratio, yrange=[0.8,1.2], $
      xrange= [0,8192], xstyle=1, $
      xtitle= 'pixel', $
      ytitle = ' WSA+WPA / WSB+WPB', $
      title = ' WLS-EXT compare' & $
   device,/close & $
   set_plot,'x' & $
endif
```

```
window,1
plot, etaratio, $
      title="WLS-EXT compare", $
      xtitle='pixel', $
      yrange=[0.8,1.2], $
      xrange=[0,8192], $
      xstyle=1, $
      ytitle=' WSA/WPA / WSB/WPB'

if psfile NE '' then begin & $
   f= psfile + '2.ps' & $
   set_plot, 'PS' & $
   device,/landscape,filename= f & $
   plot, etaratio, $
      title="WLS-EXT compare", $
      xtitle='pixel', $
      yrange=[0.8,1.2], $
      xrange=[0,8192], $
      xstyle=1, $
      ytitle=' WSA/WPA / WSB/WPB' & $
      device,/close & $
   set_plot,'x' & $
endif

if psfile NE '' then begin & $
   f= psfile + '*.ps' & $
   UnixCommand= 'lpr -Php6mp ' + f & $
   spawn, UnixCommand & $
endif


help, wsa
help, wpa
help, wsb
help, wpb
help, sumratio
help, etaa
help, etab
help, etaratio
```

```
; IDL Version 5.1 (sunos sparc)
; Journal File for scia@scia6
; Working directory: /disk1/scia/cal/idl
; Date: Wed Sep  2 08:15:25 1998
; marion12.pro
; by Marion Stoppelenburg
; reading a set of s and p measurements


@cal_file_func
@cal_func
@correction

PRO Marion12, wsarray, wparray

        NumberOfParameters = N_Params()
        if (NumberOfParameters EQ 0) then begin
                print
                print, '************************************************'
                print, 'syntax is: '
                print, 'marion8, 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 a series of files by selecting one e.g.du, wp or ws '
print
cpath = getenv ('CALDATADIR')
filename=pickfile(title='Select a DU, WP or a WS file',filter='*.[Aa][Vv][Gg].
                        ,path=cpath,/read)

print
print, 'Extracting subdirectory and filetype'
print
substringposition = rstrpos(filename,'/')

filesubdirectory = strmid(filename,0,substringposition)
filename = strmid(filename, substringposition+1)
filenamelowcase=strlowcase(filename)

substringposition = strpos(filenamelowcase,'.du')
if (substringposition lt 0) then begin
  substringposition = strpos(filenamelowcase,'.wp')
  if (substringposition lt 0) then begin
      substringposition = strpos(filenamelowcase,'.ws')
  endif
endif
if (substringposition lt 0) then begin
   print
   print, '****************************************'
   print, ' ERROR: substring DU, WP or WS not found'
   print, '****************************************'
   print
   exit
endif
```

```
filenamebegin= strmid (filename, 0,substringposition)
f( enameend = strmid(filename,substringposition+3)

darkfilter= '.[Dd] [Uu]'
wsfilter=   '.[Ww] [Ss]'
wpfilter=   '.[Ww] [Pp]'
darkfiles = findfile(filesubdirectory + '/' + filenamebegin + darkfilter + fil
darkfile=darkfiles(0)
wpfiles   = findfile(filesubdirectory + '/' + filenamebegin + wpfilter + filen
wpfile= wpfiles(0)
wsfiles   = findfile(filesubdirectory + '/' + filenamebegin + wsfilter + filen
wsfile = wsfiles(0)

print
print, darkfile
print,wpfile
print, wsfile
print


w  ray=fltarr(1024,8)
wparray=fltarr(1024,8)

        openr,lun,darkfile,/get_lun
        darkrecord= read_cal_file(lun)
        free_lun,lun

        openr,lun,wsfile,/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)=datarecord.dm(i).data
        endfor

        openr,lun,wpfile,/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)=datarecord.dm(i).data
        endfor

END
```


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Tue Sep 1 22:02:11 1998
System Control
Help
envisatTopPic
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
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
-5.20 V
0.0 mA
Azimuth Scanner
ACTIVE
273159 44.999
Elevation Scanner
ACTIVE
594194 -45.000
Cover
UNLOCKED
Cover
UNLOCKED
Aperture Stop
LARGE
Sun Sens
0 0
0 0
Telescope
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Spectrom.
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 235.12 235.38 241.28 241.34 240.44 231.72 211.16 211.66
Block temp 206.47 205.94 223.75 222.36 220.89 201.88 150.05 146.82
DME temp 259.05 258.90 259.35 259.09 259.28 259.72 259.16 259.84
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 239
OBT 0x001f6518
Moni. TRUE
Anom 0

Formal Run of Measurement

(Measurement ID) SLS_EXT

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	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	32	2						
1b	32	2						
2b	32	2						
2a	32	2						
3	1	64						
4	0.5	64						
5	4	16						
6	0.5	64						
7	1	64						
8	1	64						
State ID								

Step 15.3
SLS.ext
UID 1

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]

Measurement Data Description

Test Purpose	
Remark	UID 1
Data Directory	0244_21.57.30_SLS-EXT

Signatures

	Date	Signature
Issued	1-9-98	
< Performed	1-9-98	Rait

Slitfunction extern

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gij 2/9/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	sc19-01091998-220040764.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	cd ~/DATA-DIR/SLIT_EXT ; 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	3 4 (Y) / N	Note: In window DATA-DIR (B) (C)
	directory name is:	~/DATA-DIR/SLIT_EXT SLITFUNCTION/<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	(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		In DATA-DIR window
	size:	145998	should be approx 150kb
	White light file:		

Dremark1 labels start either with 'su' or with 'pu'. We have shown here the 'su' case. should be approx 150kb

```
ls -1 *su*.avg.cal
```

size: _____

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

Print postscript

```
lpr -P<printer>
*[ds]u*.avg.cal.ps
```

Contents dark file `*DU*.cal.ps` should be approx. constant within channels: s[sip] Y / N

Contents file `*su*.avg.cal.ps` should contain peak signals in corresponding channel (possibly, cannot be seen in channels 7 and 8): Y / N

Contents of `*rel_std*.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 `cat *.log | lpr -P<printer>`

Add logfiles to logbook, done Y / N

Slit processing — do this for SS-light file and for SP-light file

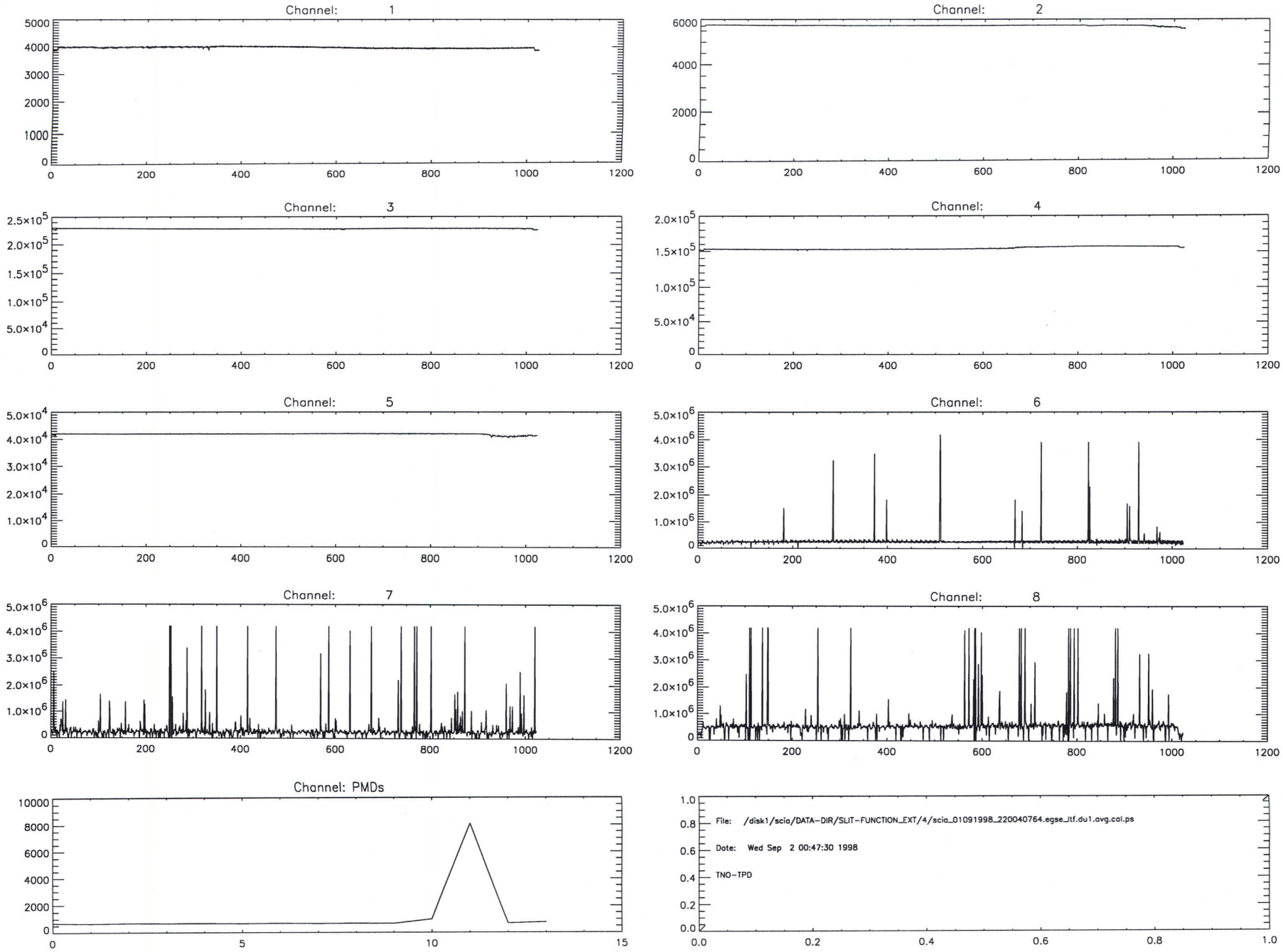
Run Slit `idl do_slitfunction` *)

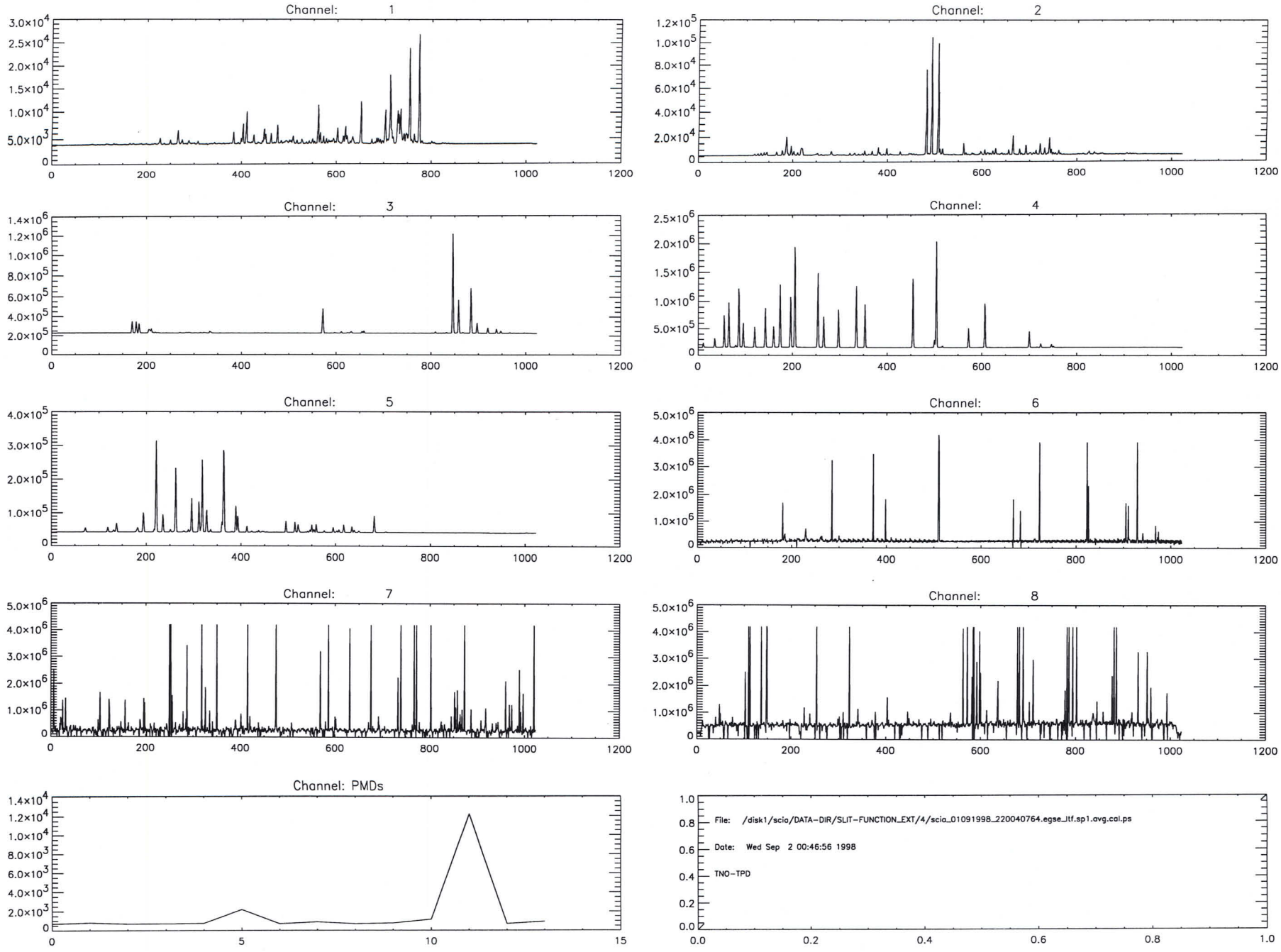
In IDL window

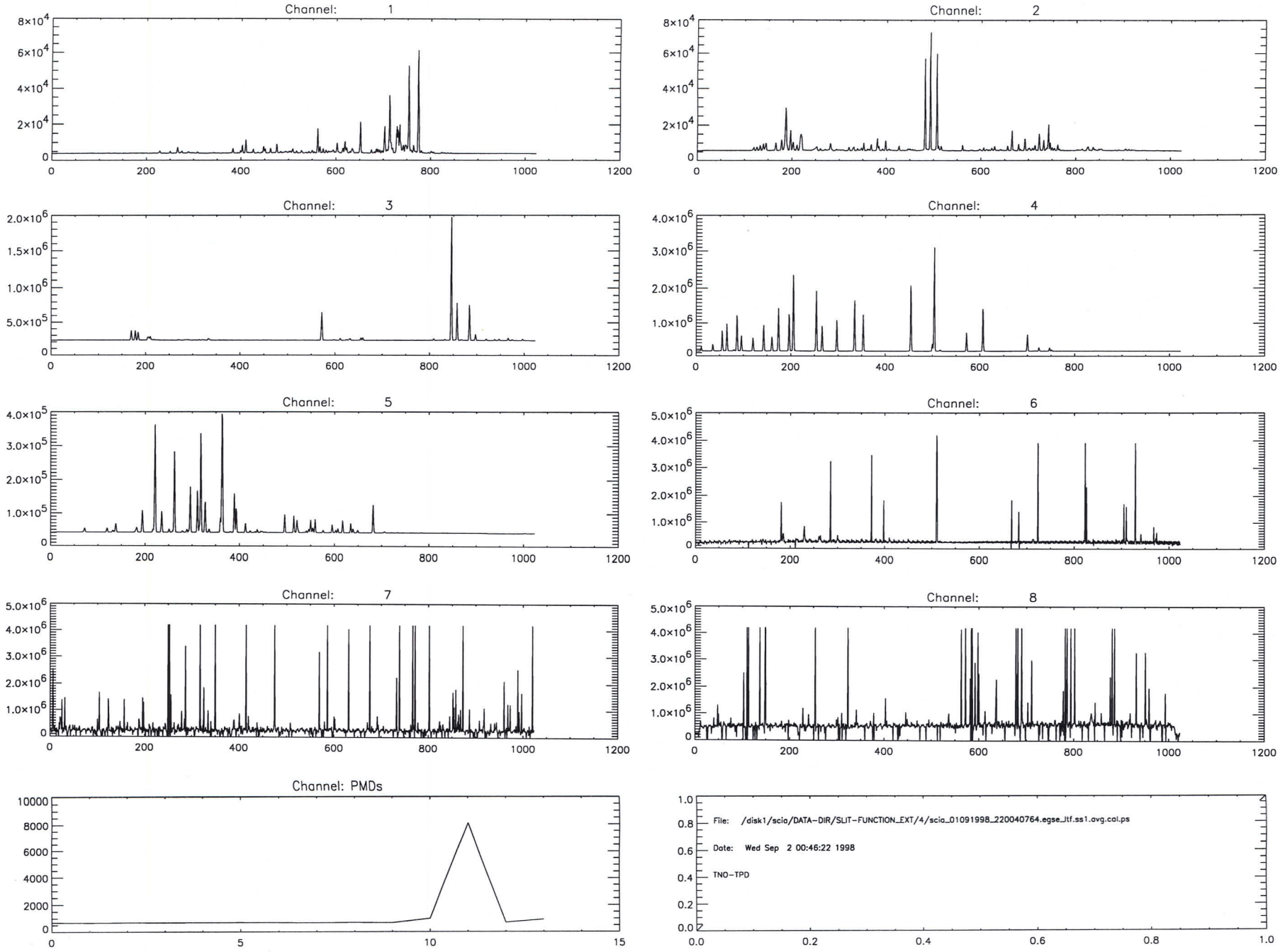
The procedure asks you whether you want to generate postscript files for a certain approximation function (be sure if you say yes, the function is computed by the slit function program!!!)

*) do_slit_hgar if HgAR lamp used
do_slit_xe if Xe lamp used
do_slit_ptorne if PtCrNe lamp used

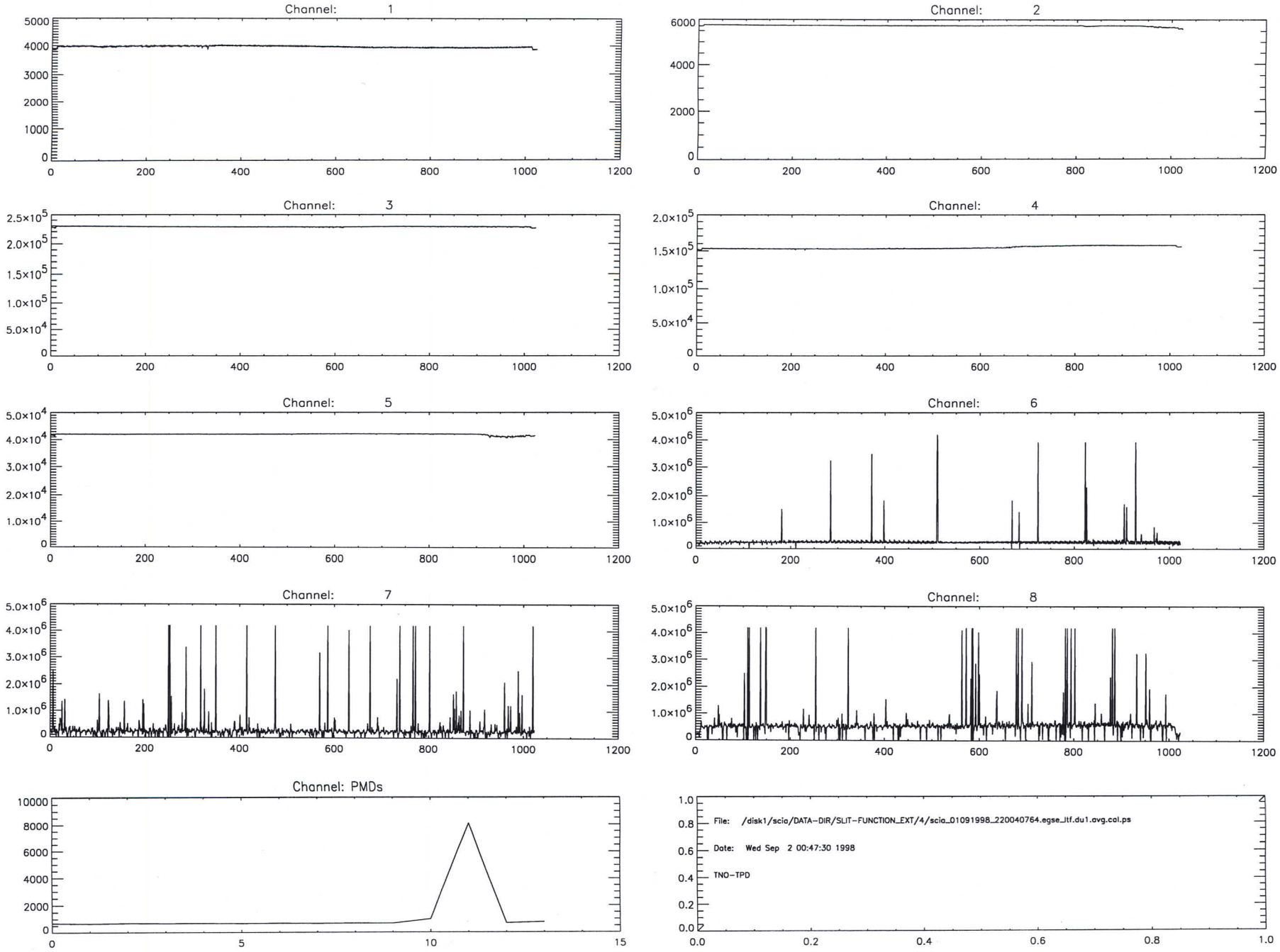
Check slit	`ls -l *.ps`		In DATA-DIR window
	Size of file `*.ps`	_____	should be approx a few kilobytes
CheckSlit visually	lpr -P<printer> *.ps and add to logbook. `lpr -P<printer> *.ps` Approximated function should "follow" the measured peaks.	Y / N	
	Add postscript images to logbook, done	Y / N	
Print 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	_____	
	Signature	_____	

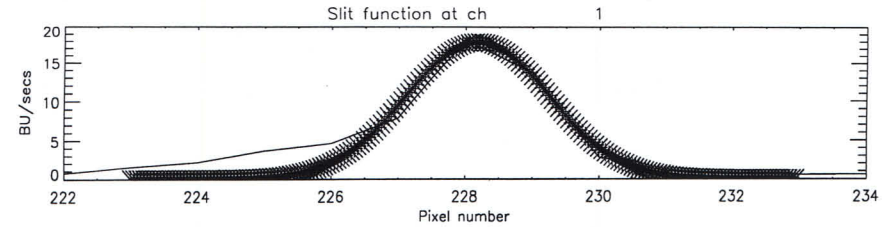

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.du1.avg.cal.ps
Date: Wed Sep 2 00:47:30 1998
TNO-TPD

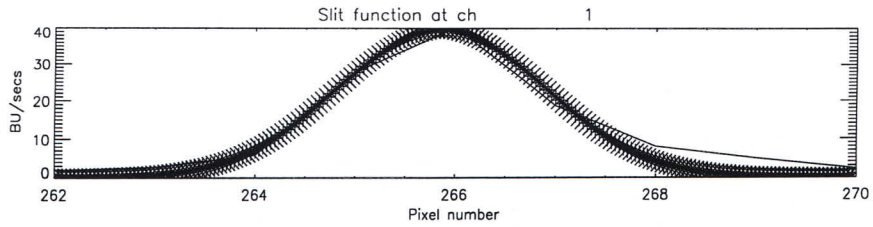

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_itf.sp1.avg.cal.ps
Date: Wed Sep 2 00:46:56 1998
TNO-TPD

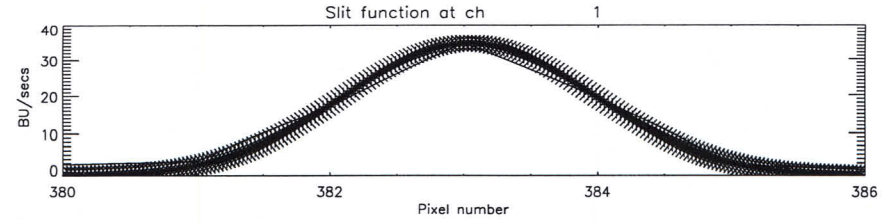

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_itf.ss1.avg.cal.ps
Date: Wed Sep 2 00:46:22 1998
TNO-TPD

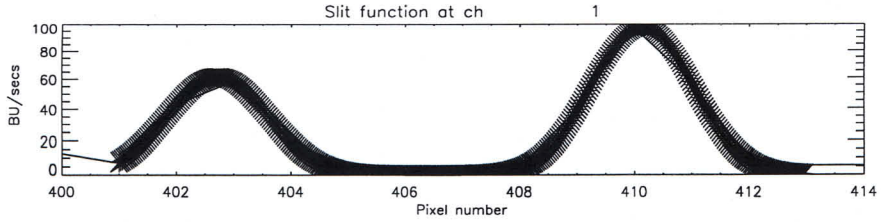
```
time       = Wed Sep  2 00:47:31 1998
batch      = du1
Start TOD = Tue 01-Sep-98 22:14:25
End   TOD = Tue 01-Sep-98 22:19:48
Processing= computation of average, standard dev. and rel.standard dev.
time       = Wed Sep  2 00:46:57 1998
batch      = sp1
Start TOD = Tue 01-Sep-98 22:07:57
End   TOD = Tue 01-Sep-98 22:14:25
Processing= computation of average, standard dev. and rel.standard dev.
time       = Wed Sep  2 00:46:22 1998
batch      = ss1
Start TOD = Tue 01-Sep-98 22:01:07
End   TOD = Tue 01-Sep-98 22:07:57
Processing= computation of average, standard dev. and rel.standard dev.
```

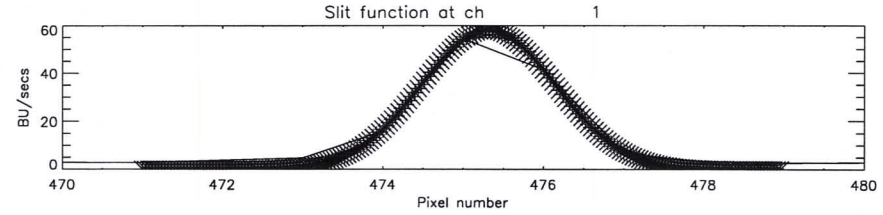

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_itf.du1.avg.cal.ps
Date: Wed Sep 2 00:47:30 1998
TNO-TPD

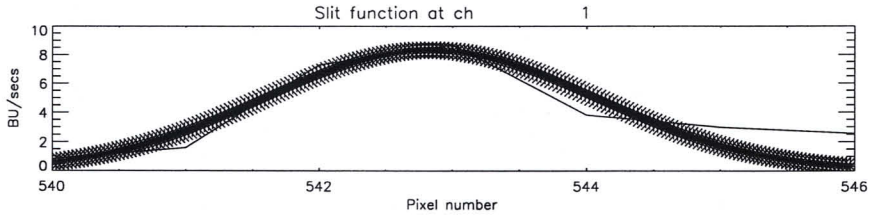

Slit function at ch 1
BU/secs
Pixel number

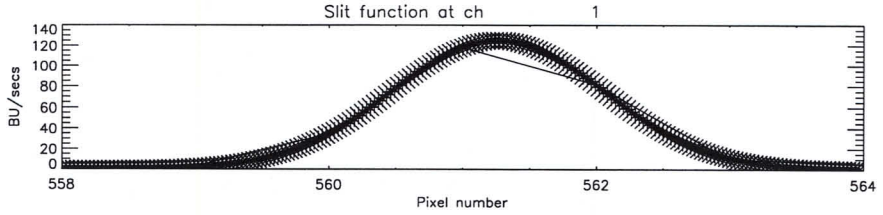

Slit function at ch 1
BU/secs
Pixel number

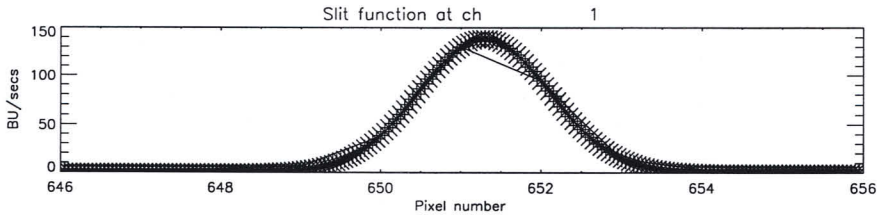

Slit function at ch 1
BU/secs
Pixel number

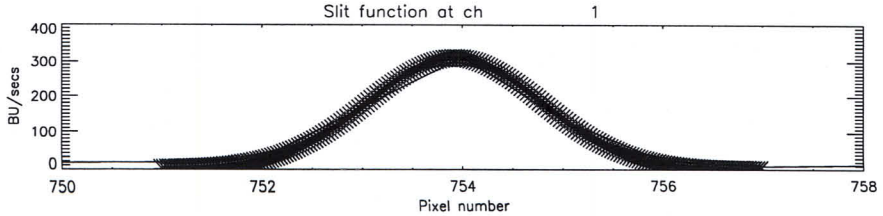

Slit function at ch 1
BU/secs
Pixel number

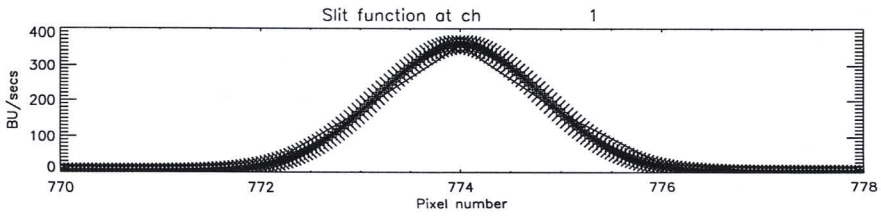

Slit function at ch 1
BU/secs
Pixel number

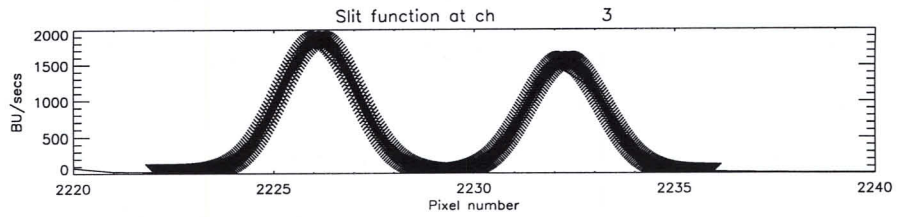

Slit function at ch 1
BU/secs
Pixel number

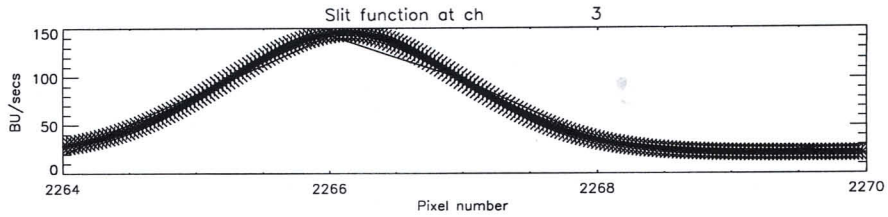

Slit function at ch 1
BU/secs
Pixel number

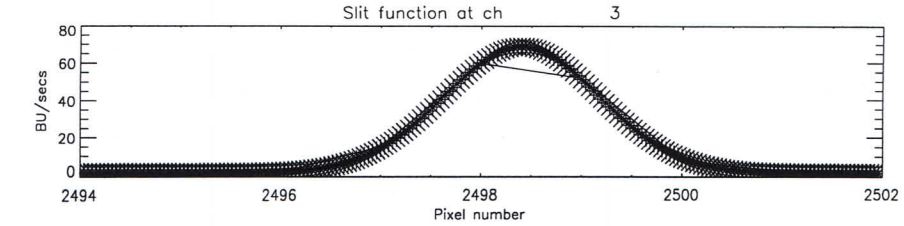

Slit function at ch 1
BU/secs
Pixel number

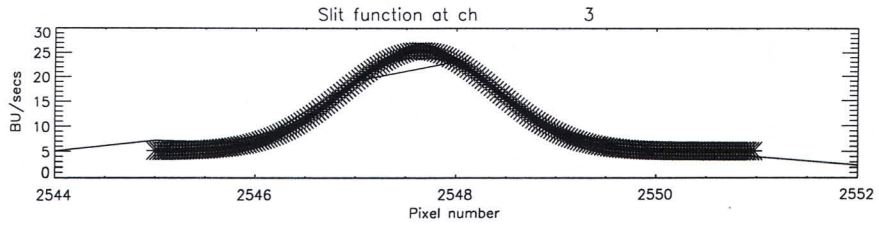

Slit function at ch 1
BU/secs
Pixel number

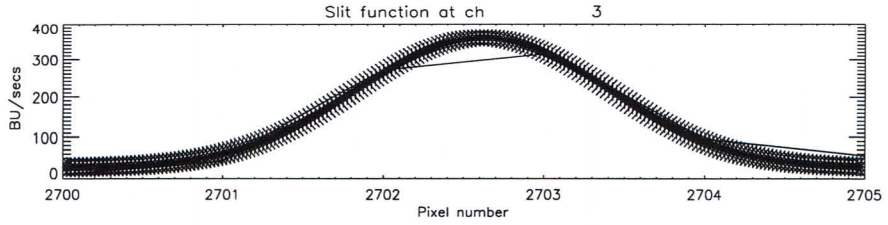

Slit function at ch 1
BU/secs
Pixel number


Slit function at ch 3
BU/secs
Pixel number


Slit function at ch 3
BU/secs
Pixel number


Slit function at ch 3
BU/secs
Pixel number


Slit function at ch 3
BU/secs
Pixel number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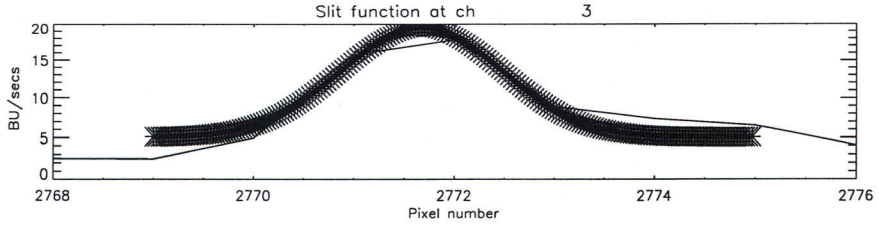
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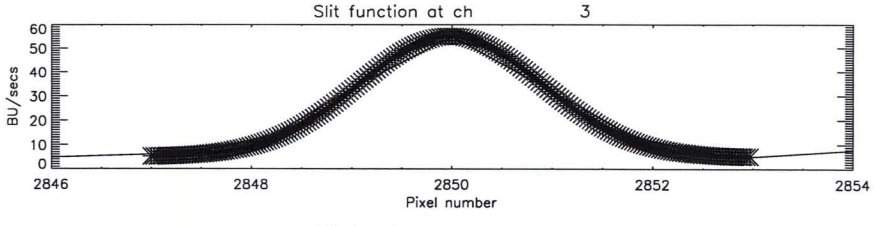
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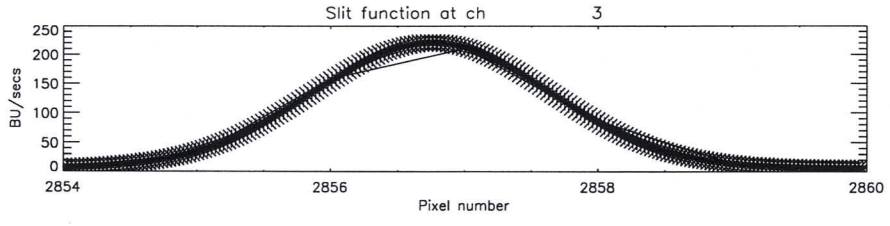
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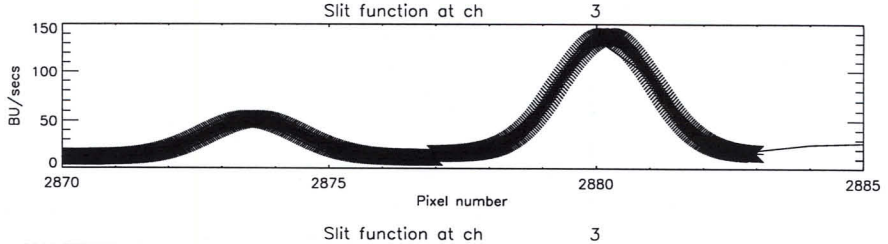
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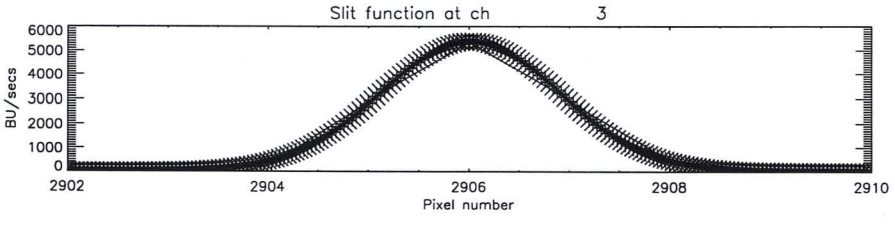
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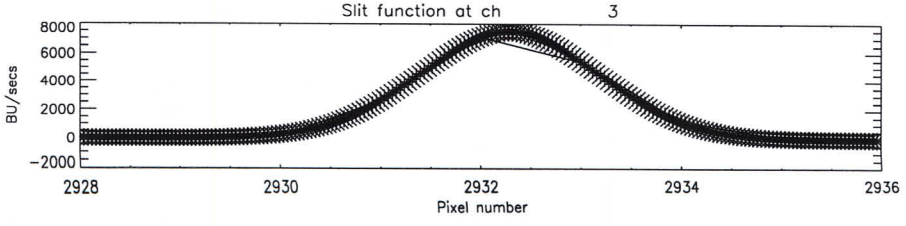
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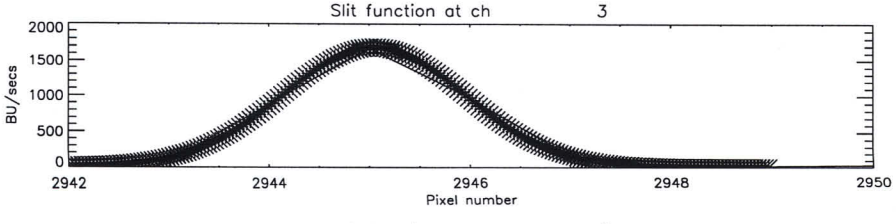
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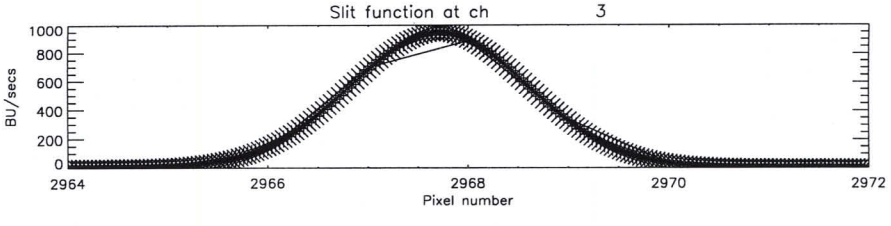
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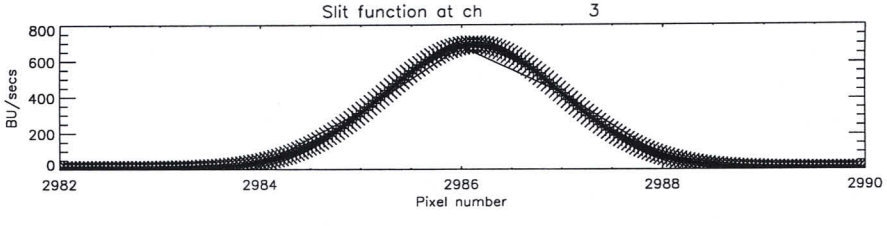
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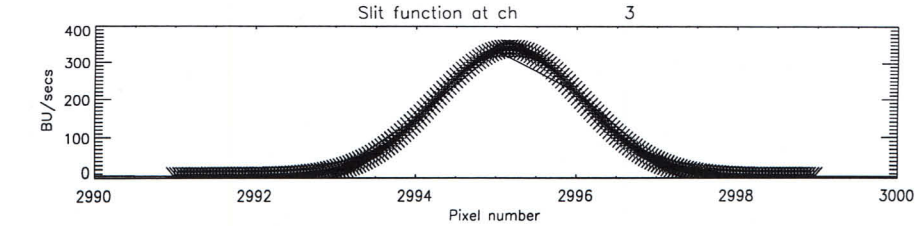
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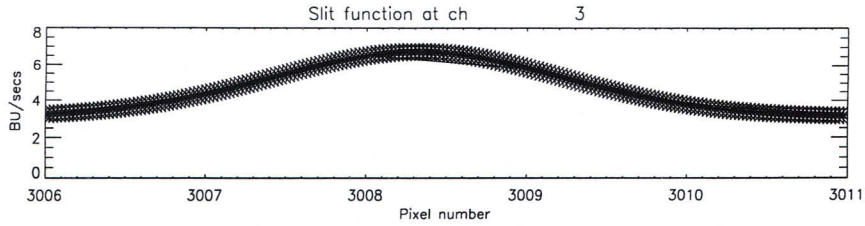
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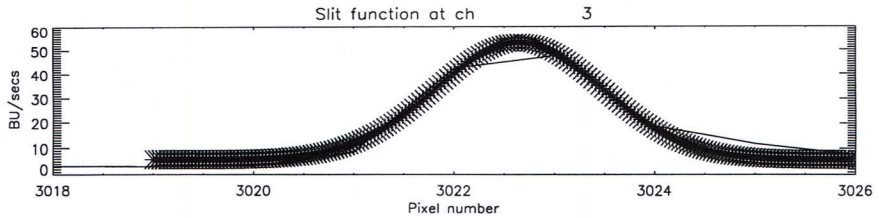
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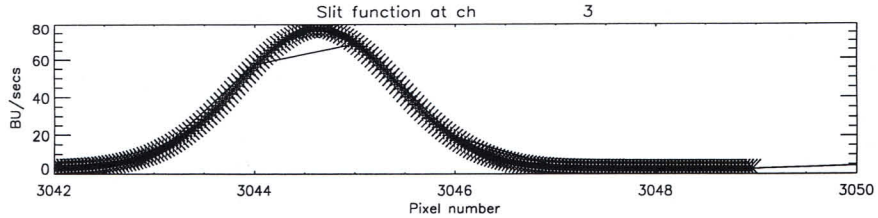
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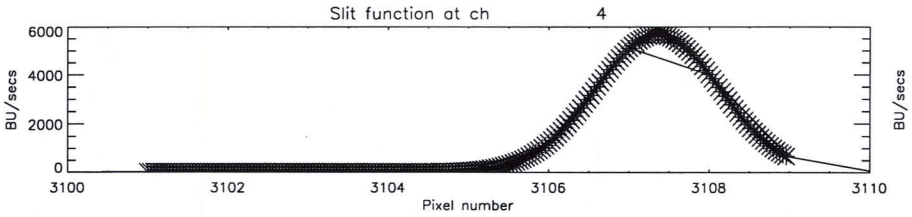
BU/secs
Pixel number


Slit function at ch 4
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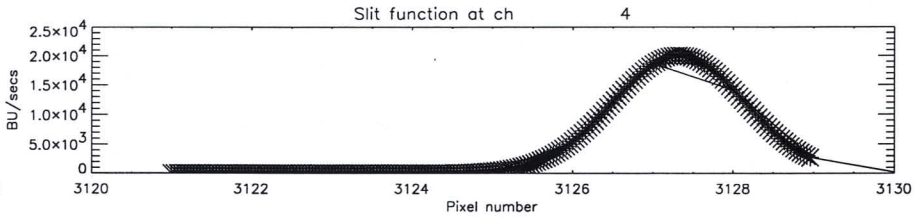
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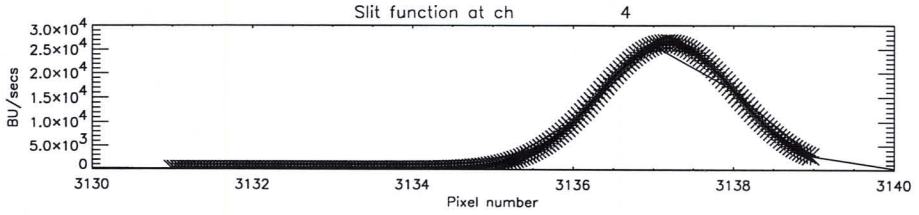
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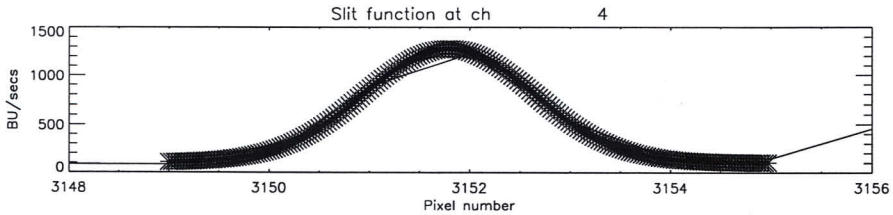
BU/secs
Pixel number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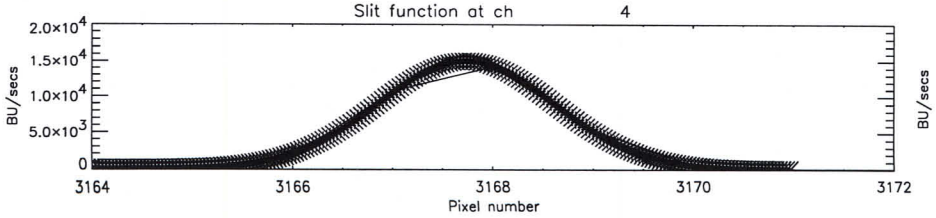
BU/secs
Pixel number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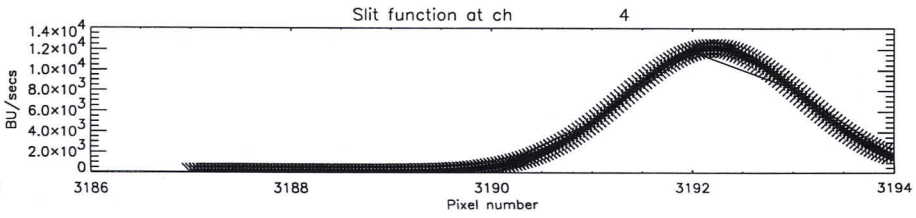
BU/secs
Pixel number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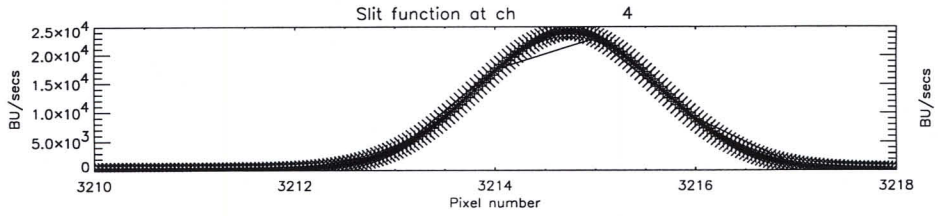
BU/secs
Pixel number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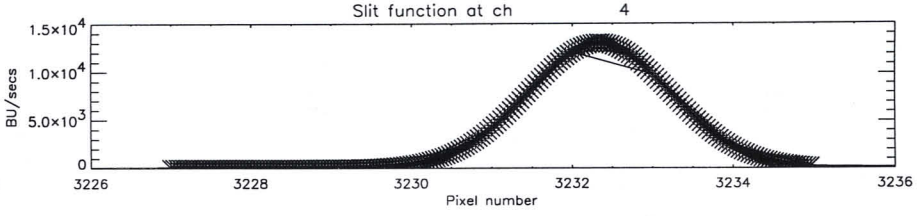
BU/secs
Pixel number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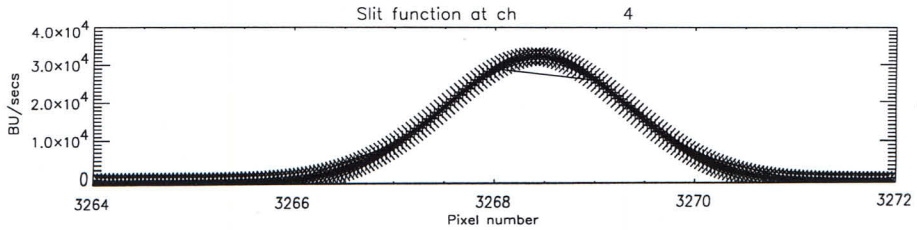
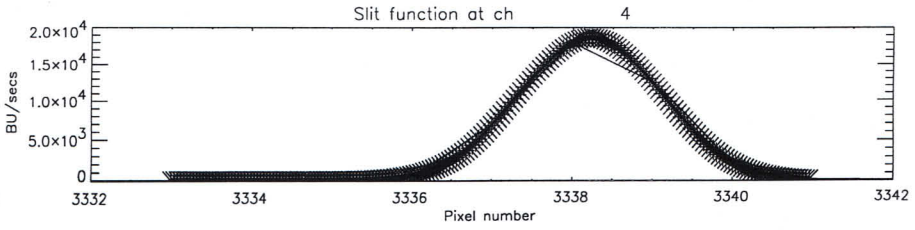
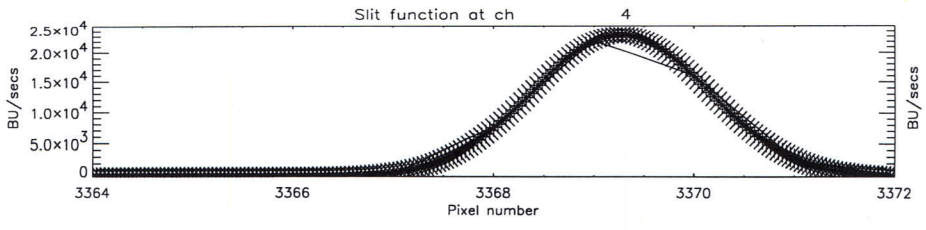
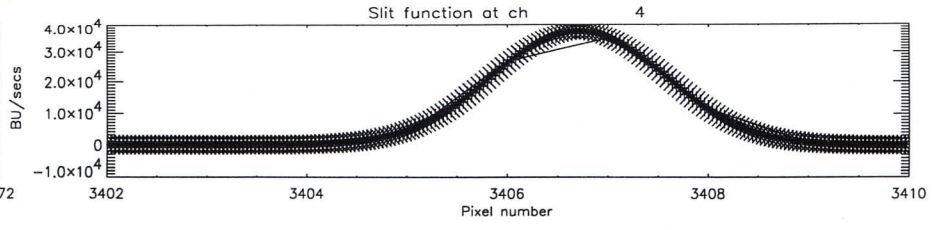
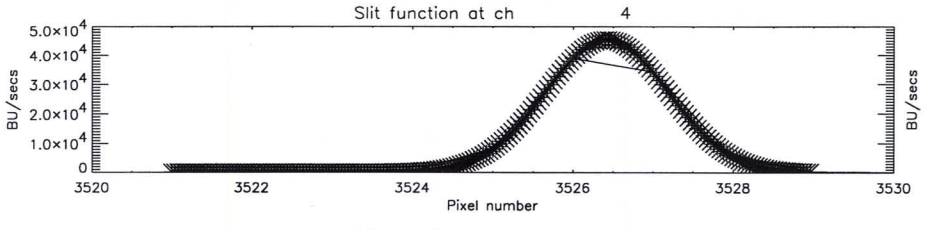
BU/secs
Pixel number

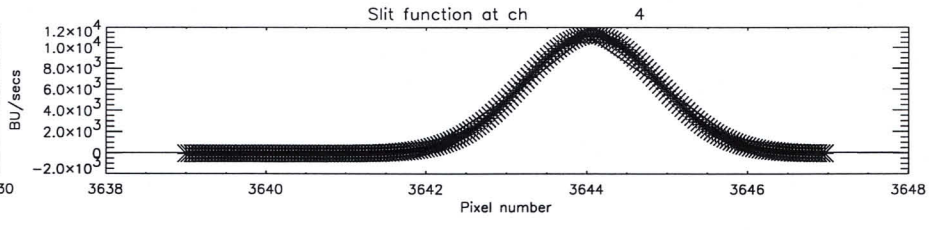

Slit function at ch 4
BU/secs
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
3264
3266
3268
3270
3272
Pixel number

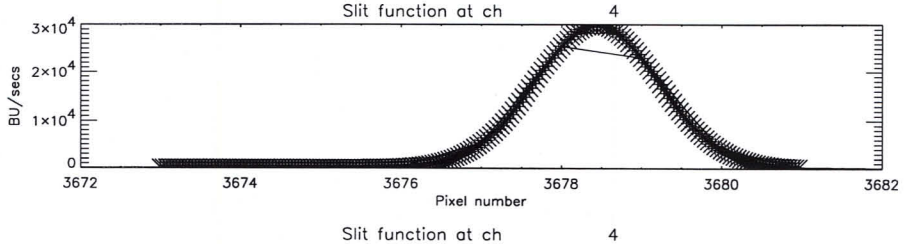

Slit function at ch 4
BU/secs
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
3332
3334
3336
3338
3340
3342
Pixel number

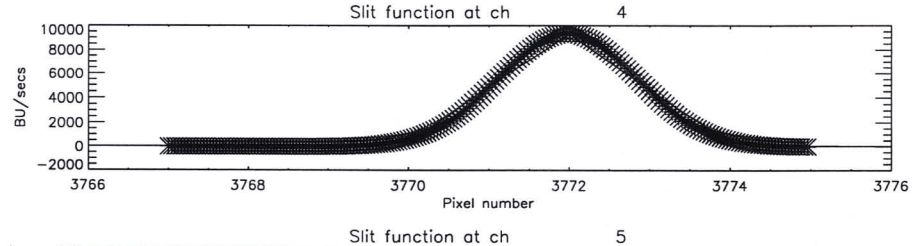

Slit function at ch 4
BU/secs
2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
3364
3366
3368
3370
3372
Pixel number

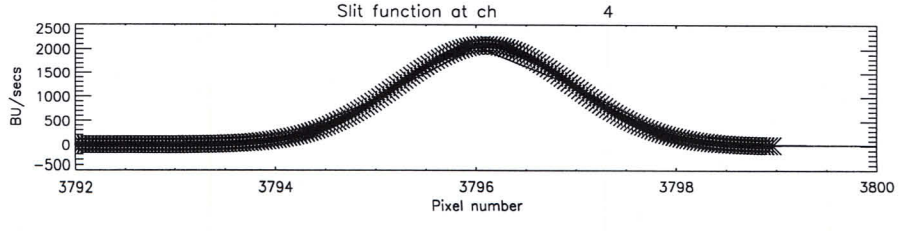

Slit function at ch 4
BU/secs
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
-1.0x10^4
3402
3404
3406
3408
3410
Pixel number

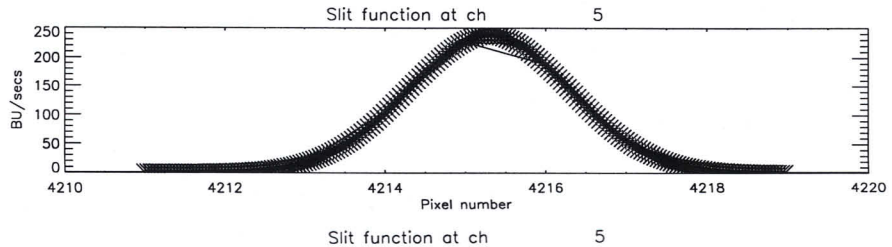

Slit function at ch 4
BU/secs
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
3520
3522
3524
3526
3528
3530
Pixel number

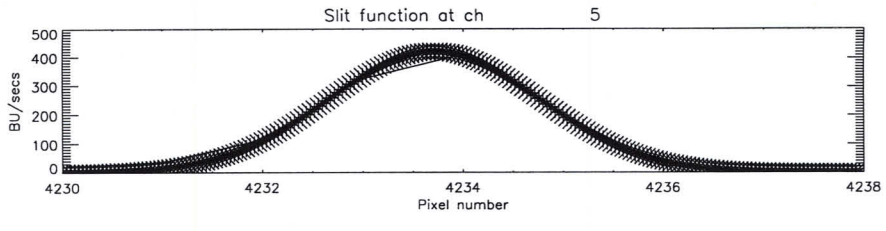

Slit function at ch 4
BU/secs
1.2x10^4
1.0x10^4
8.0x10^3
6.0x10^3
4.0x10^3
2.0x10^3
0
-2.0x10^3
3638
3640
3642
3644
3646
3648
Pixel number

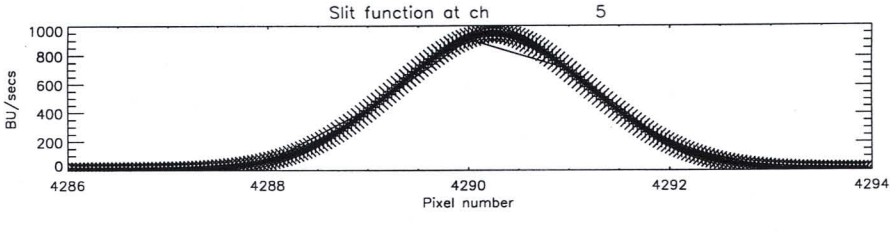

Slit function at ch 4
BU/secs
3x10^4
2x10^4
1x10^4
0
3672
3674
3676
3678
3680
3682
Pixel number

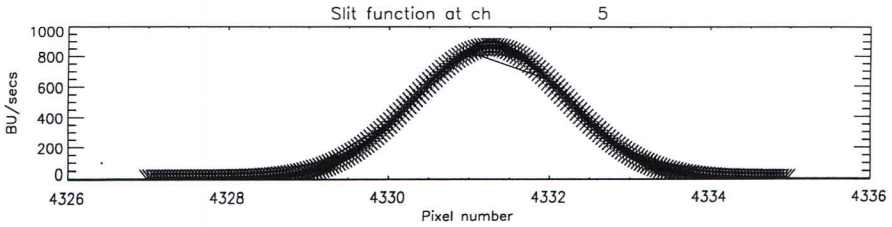

Slit function at ch 4
BU/secs
10000
8000
6000
4000
2000
0
-2000
3766
3768
3770
3772
3774
3776
Pixel number

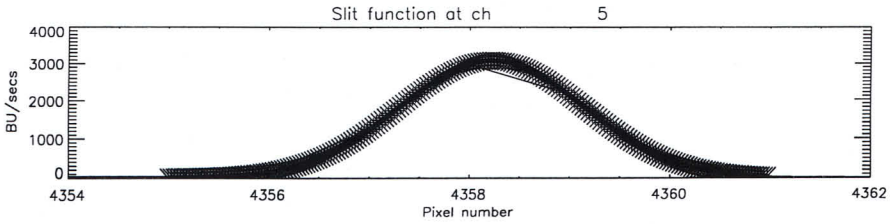

Slit function at ch 4
BU/secs
2500
2000
1500
1000
500
0
-500
3792
3794
3796
3798
3800
Pixel number

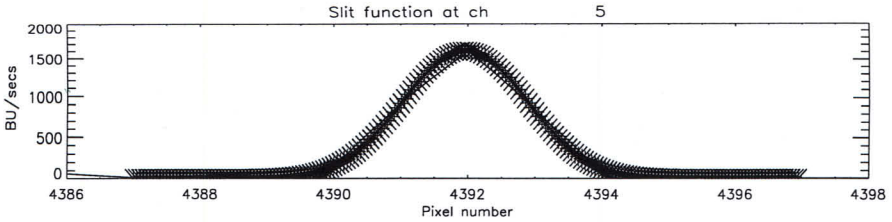

Slit function at ch 5
BU/secs
250
200
150
100
50
0
4210
4212
4214
4216
4218
4220
Pixel number

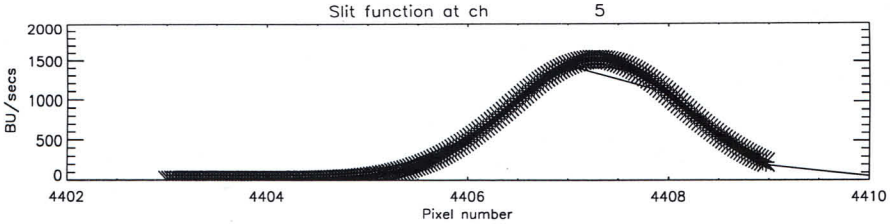

Slit function at ch 5
BU/secs
500
400
300
200
100
0
4230
4232
4234
4236
4238
Pixel number

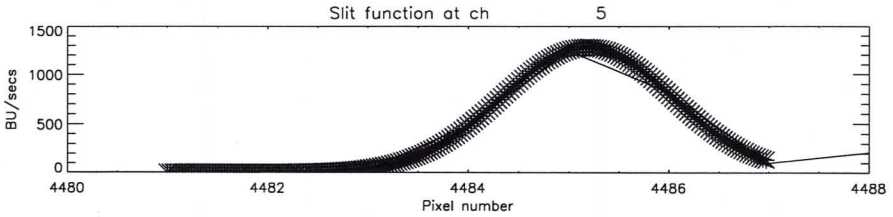

Slit function at ch 5
BU/secs
1000
800
600
400
200
0
4286
4288
4290
4292
4294
Pixel number

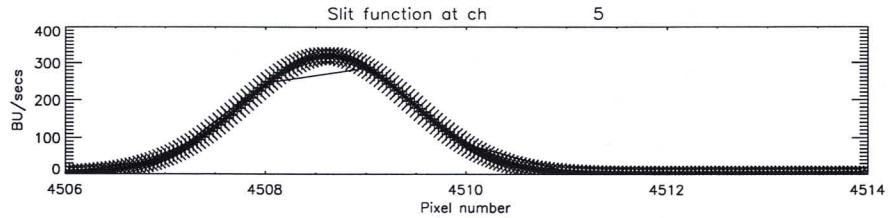

Slit function at ch 5
BU/secs
Pixel number

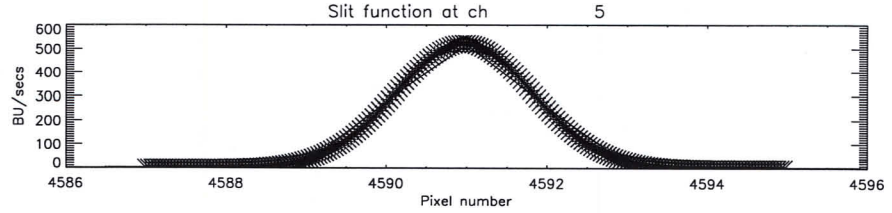

Slit function at ch 5
BU/secs
Pixel number

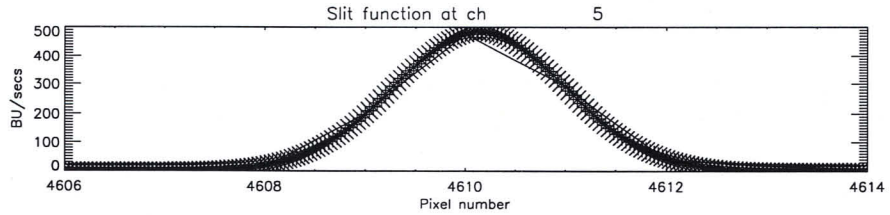

Slit function at ch 5
BU/secs
Pixel number


Slit function at ch 5
BU/secs
Pixel number


Slit function at ch 5
BU/secs
Pixel number


Slit function at ch 5
BU/secs
Pixel number


Slit function at ch 5
BU/secs
Pixel number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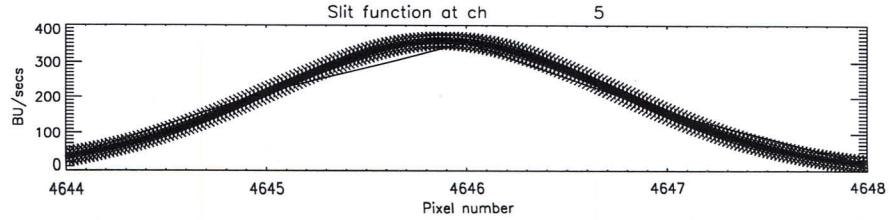
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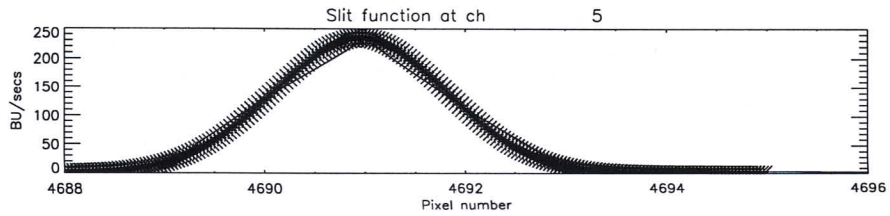
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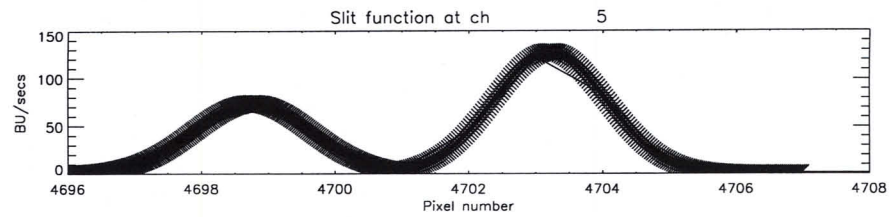
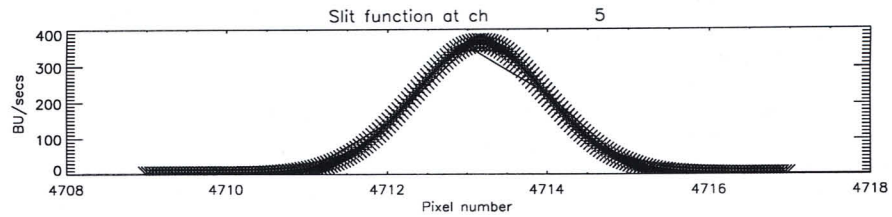

Slit function at ch 5
BU/secs
Pixel number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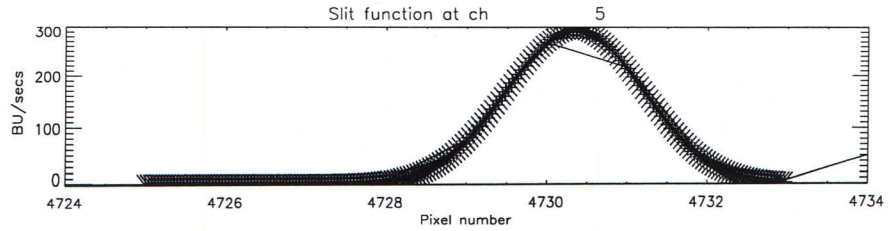
BU/secs
Pixel number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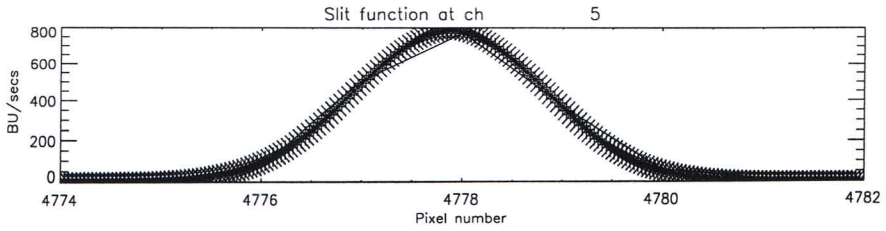
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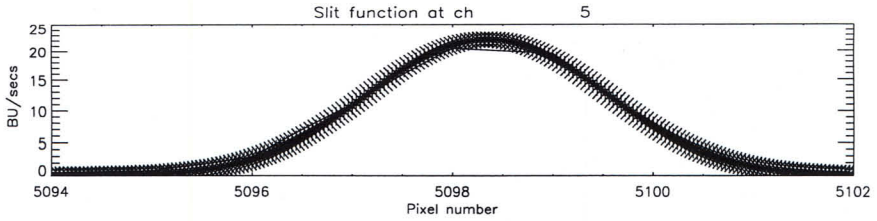
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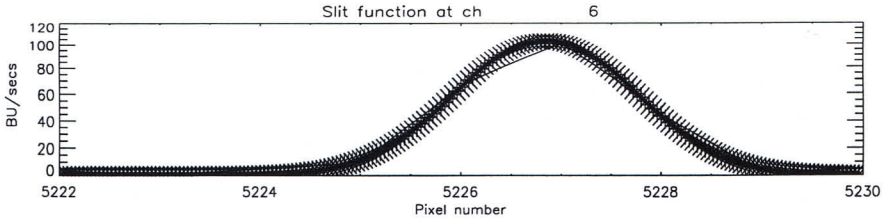
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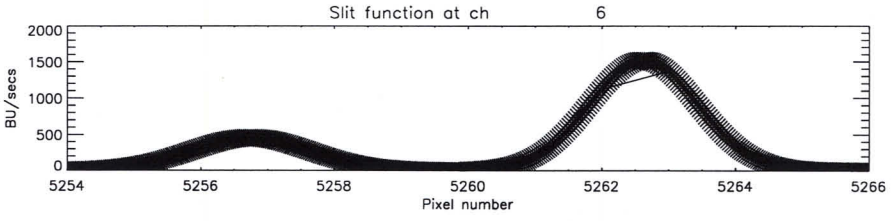
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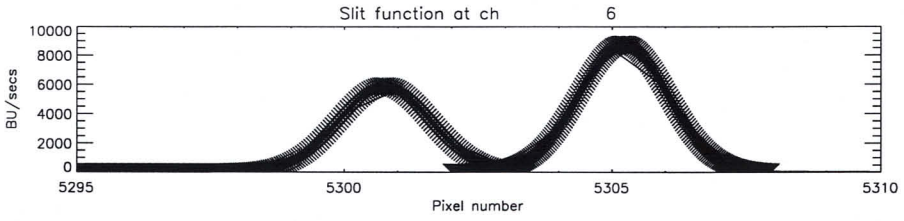
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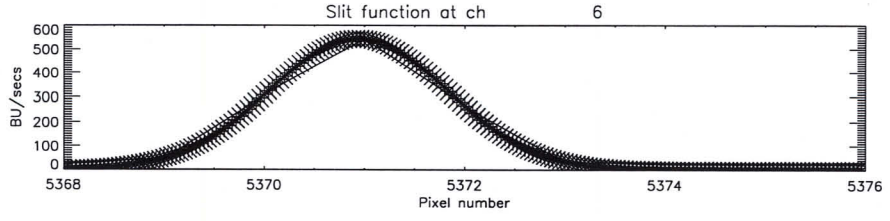
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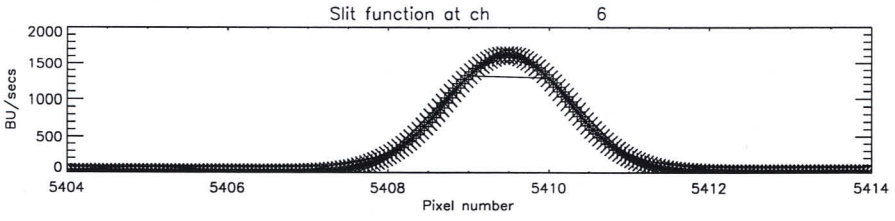
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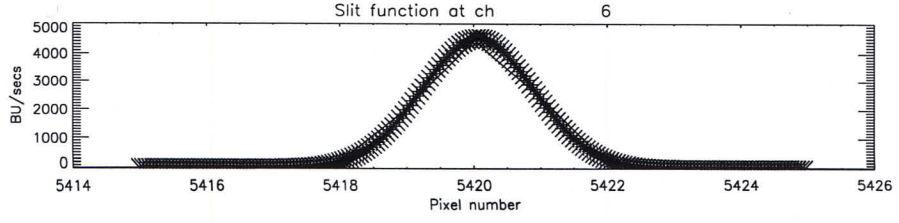
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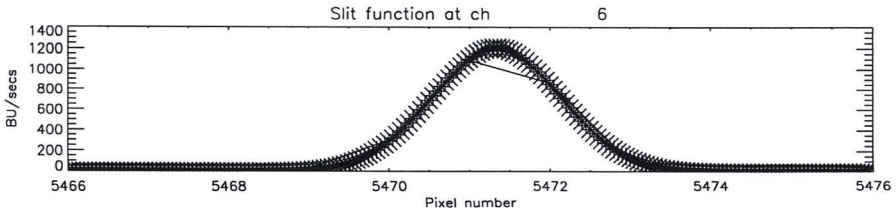
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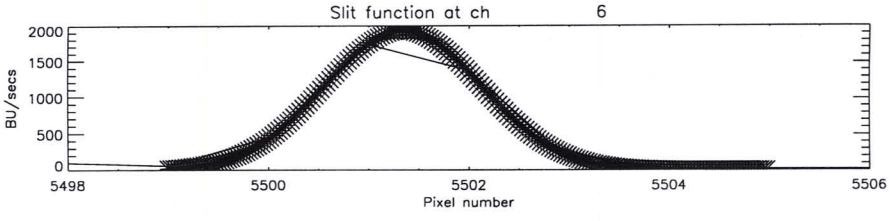
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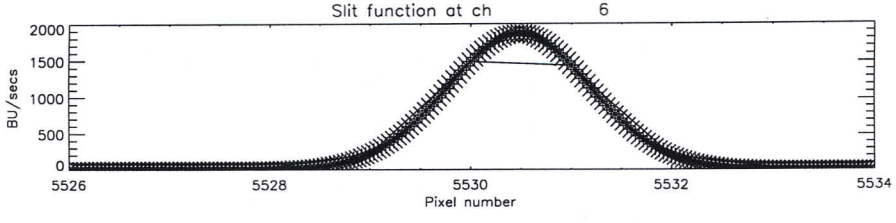
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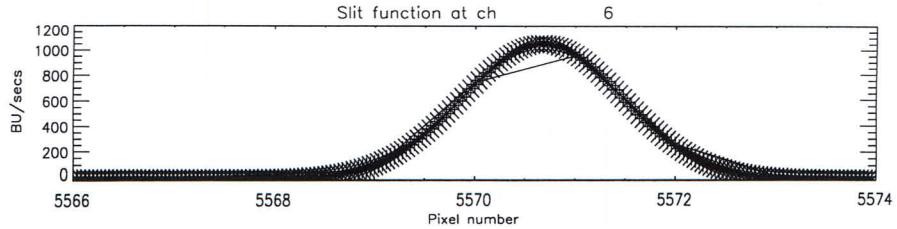
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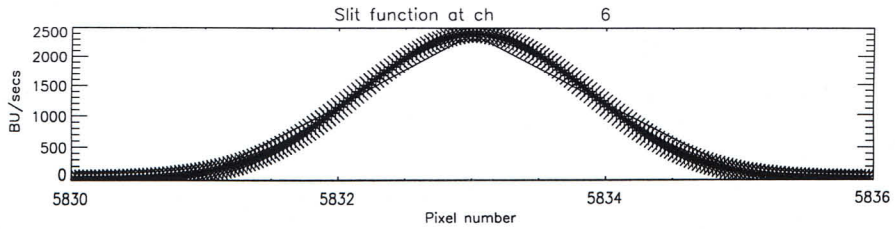
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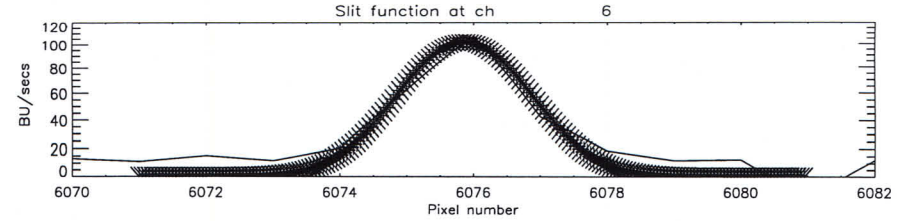
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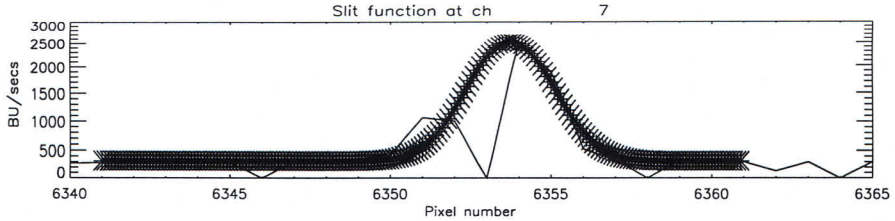
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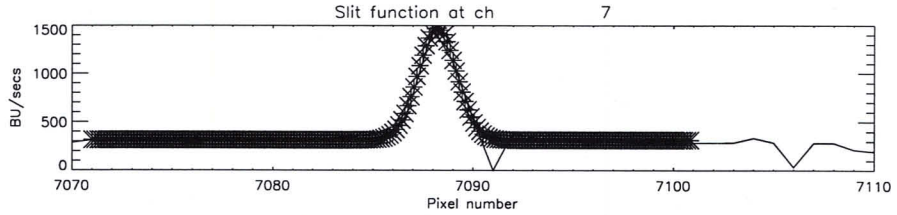
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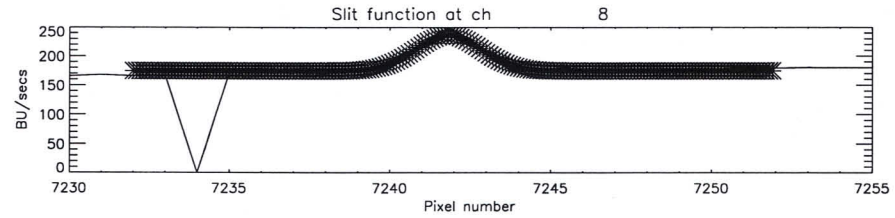
Slit function at ch 8
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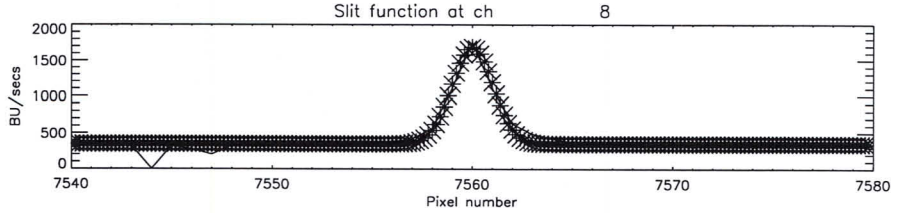
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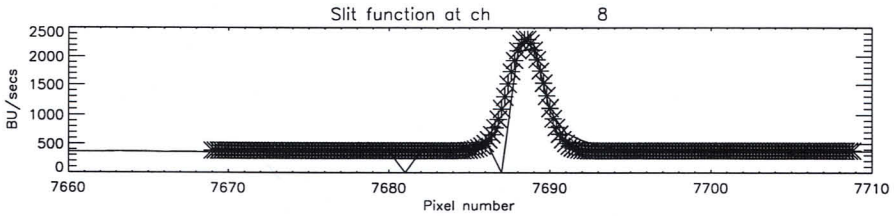
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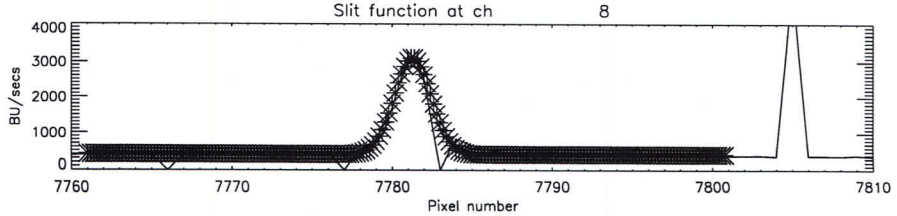
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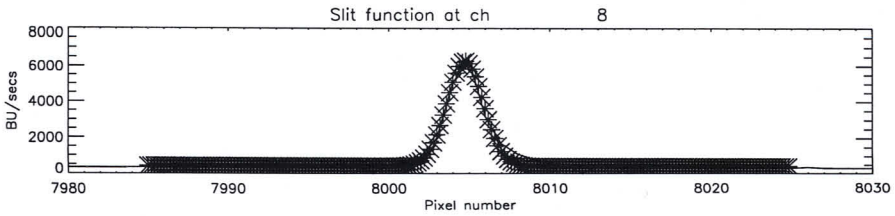
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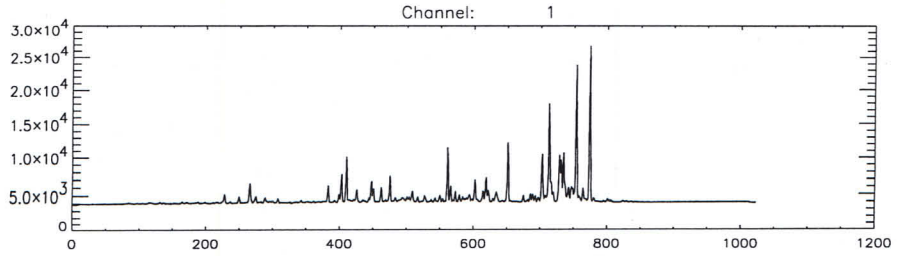
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2.0x10^4
1.5x10^4
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5.0x10^3
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0
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400
600
800
1000
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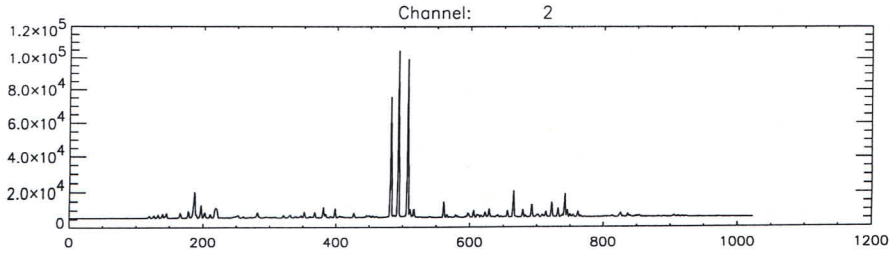
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1.0x10^5
8.0x10^4
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0
0
200
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600
800
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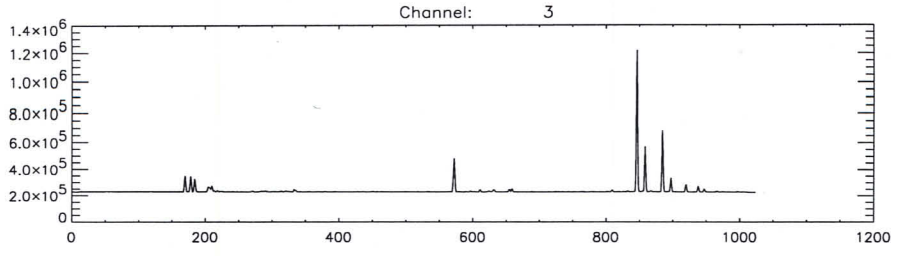
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1.0x10^6
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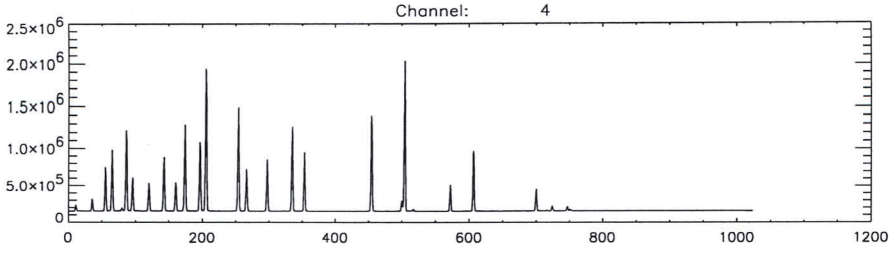
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1.5x10^6
1.0x10^6
5.0x10^5
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600
800
1000
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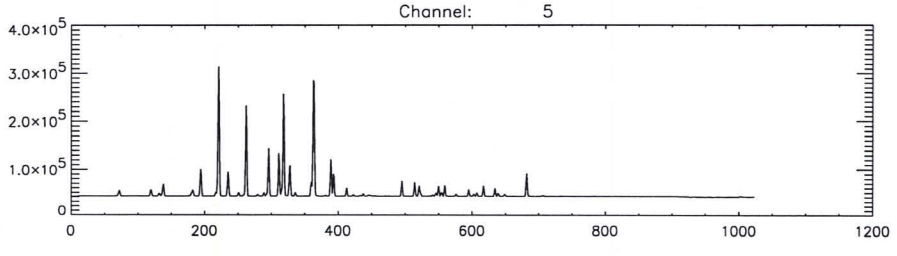
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2.0x10^5
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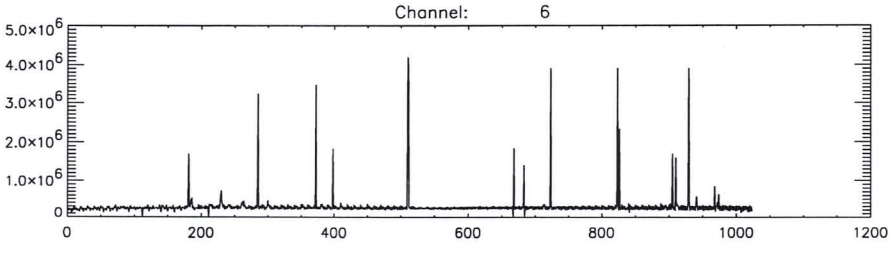
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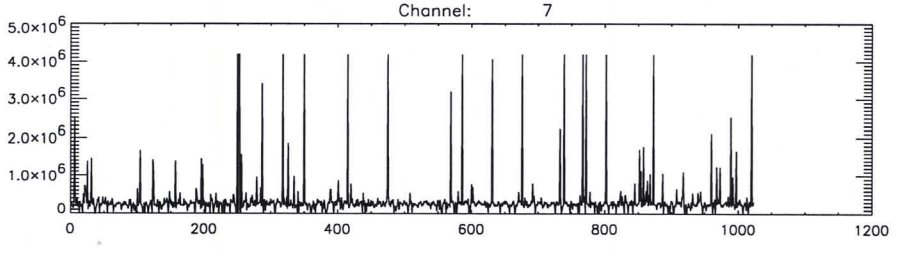
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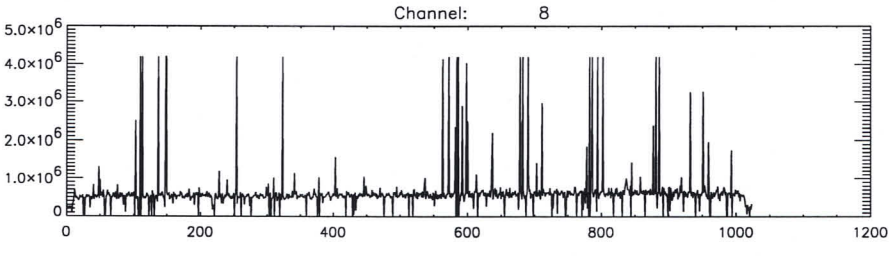
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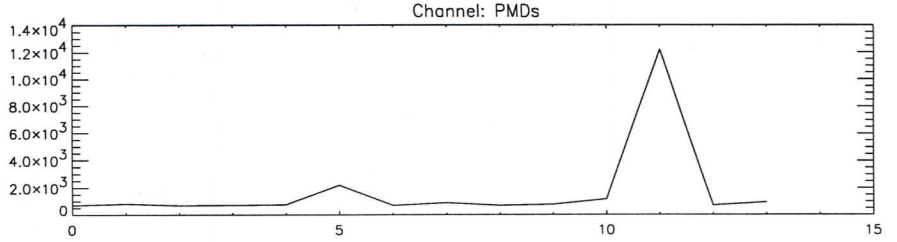
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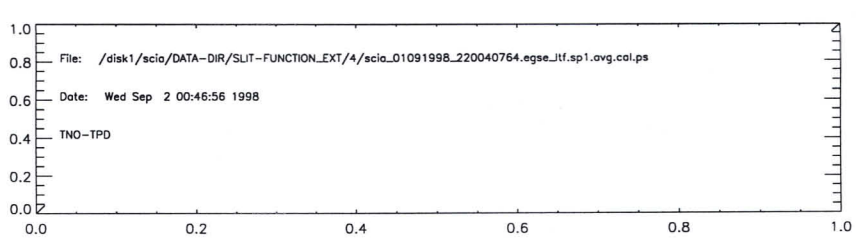
0
0
5
10
15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Date: Wed Sep 2 00:46:56 1998
TNO-TPD
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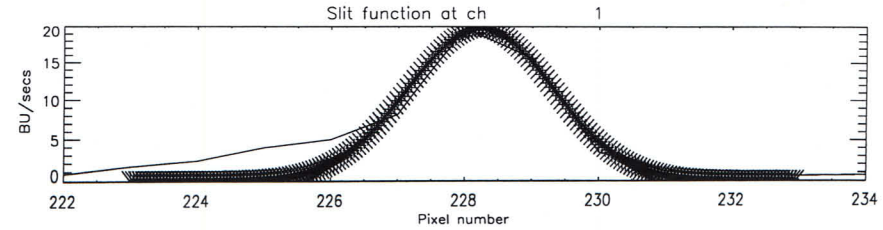
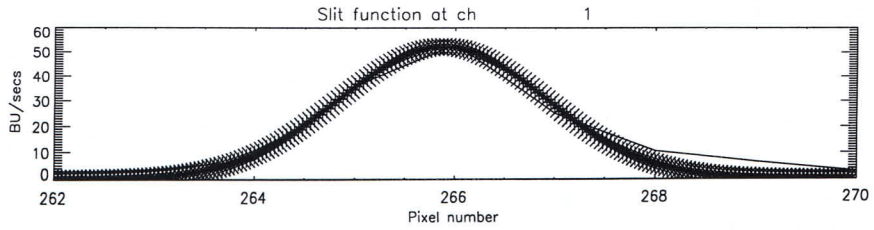
1.0


Slit function at ch 1
BU/secs
Pixel number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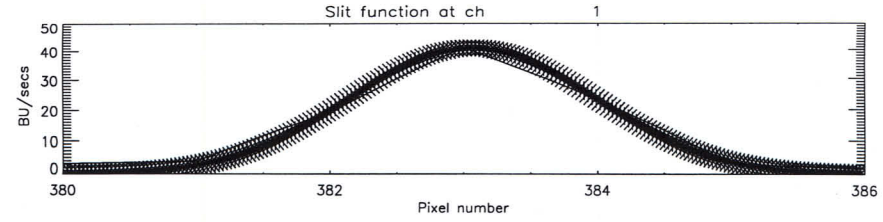
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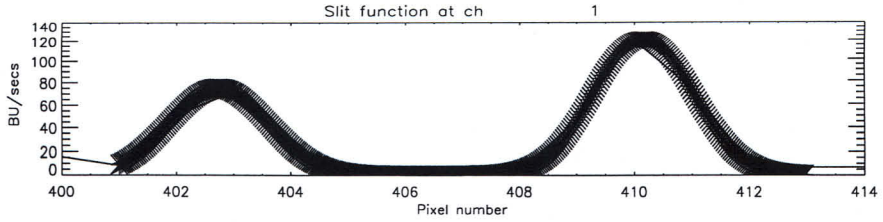
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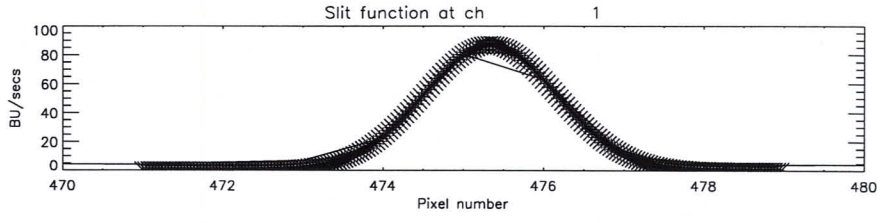
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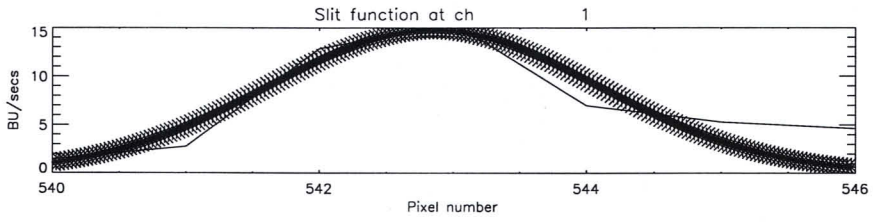
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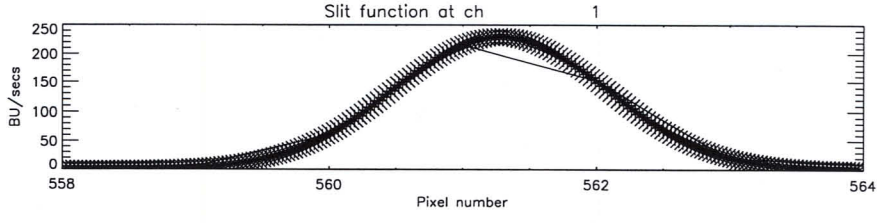
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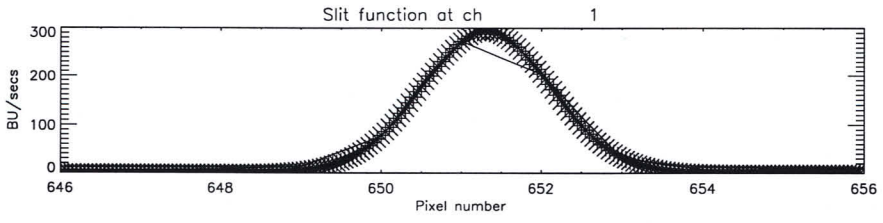
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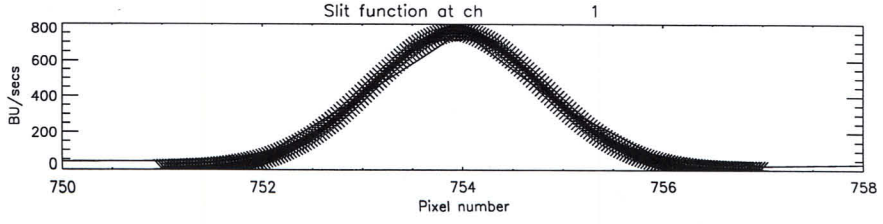
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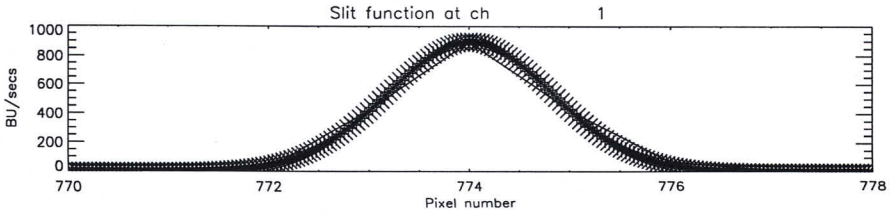
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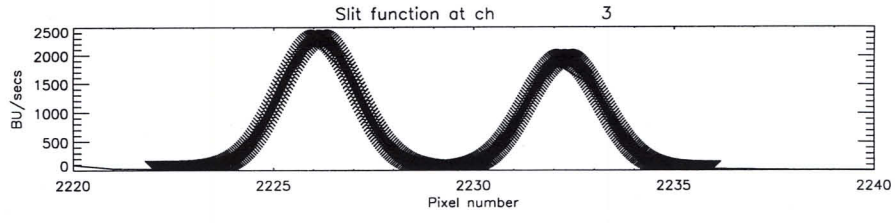
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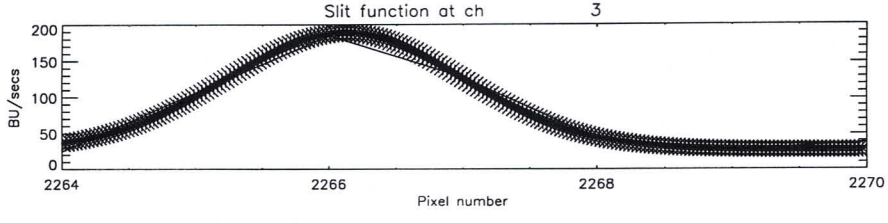
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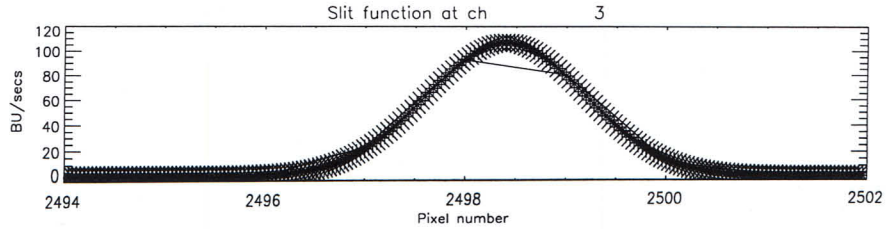
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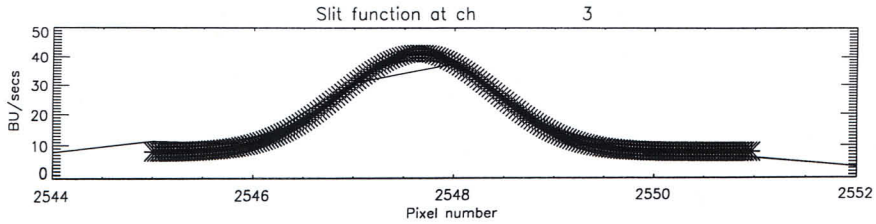
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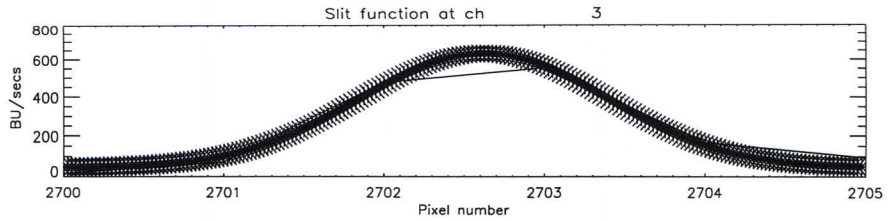
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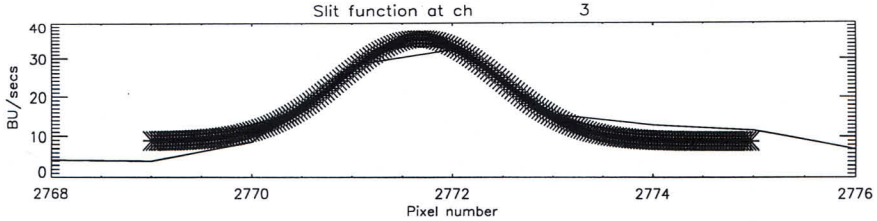
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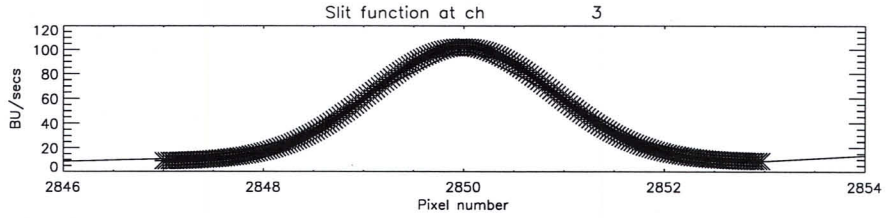
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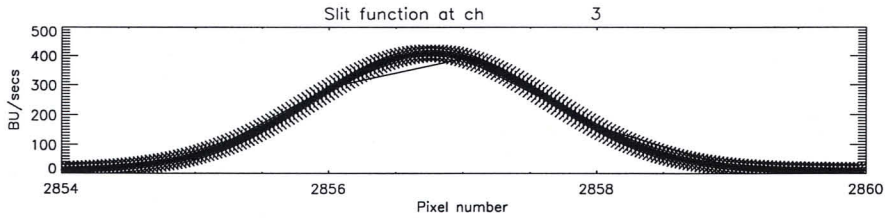
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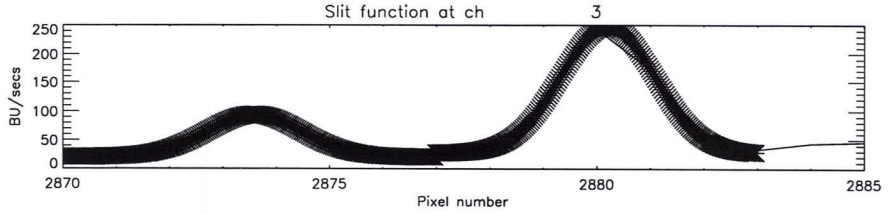
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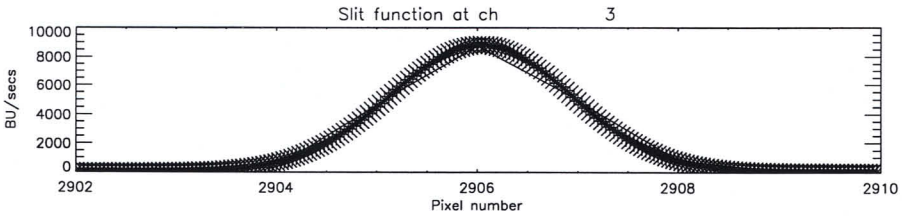
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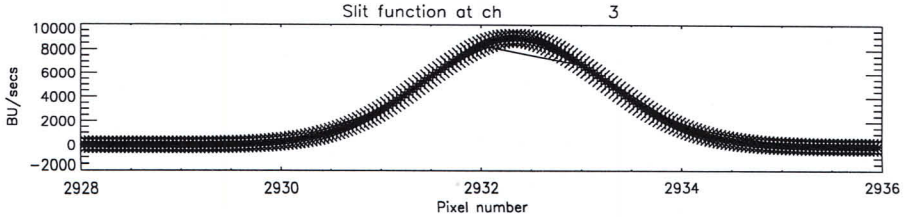
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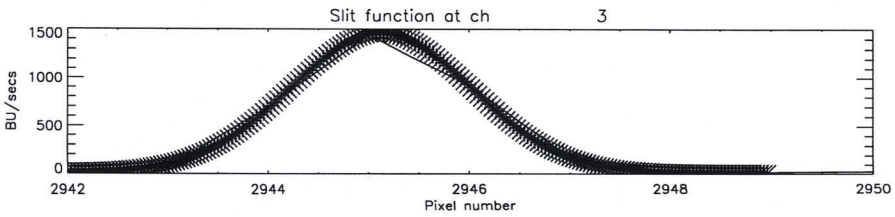
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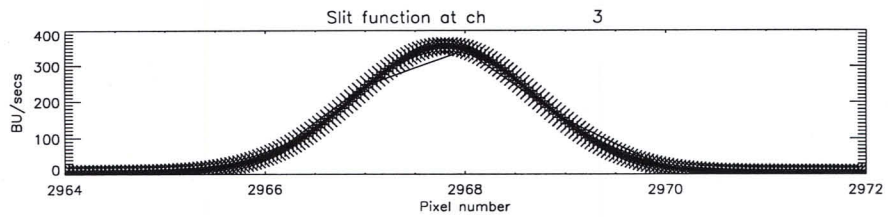
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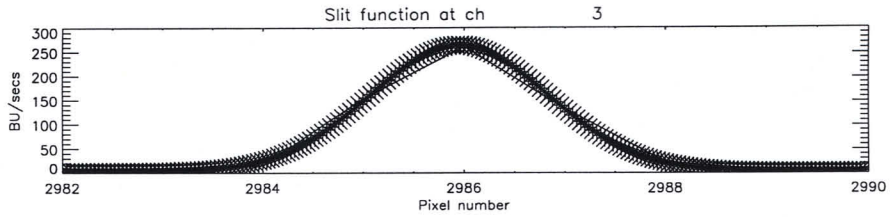
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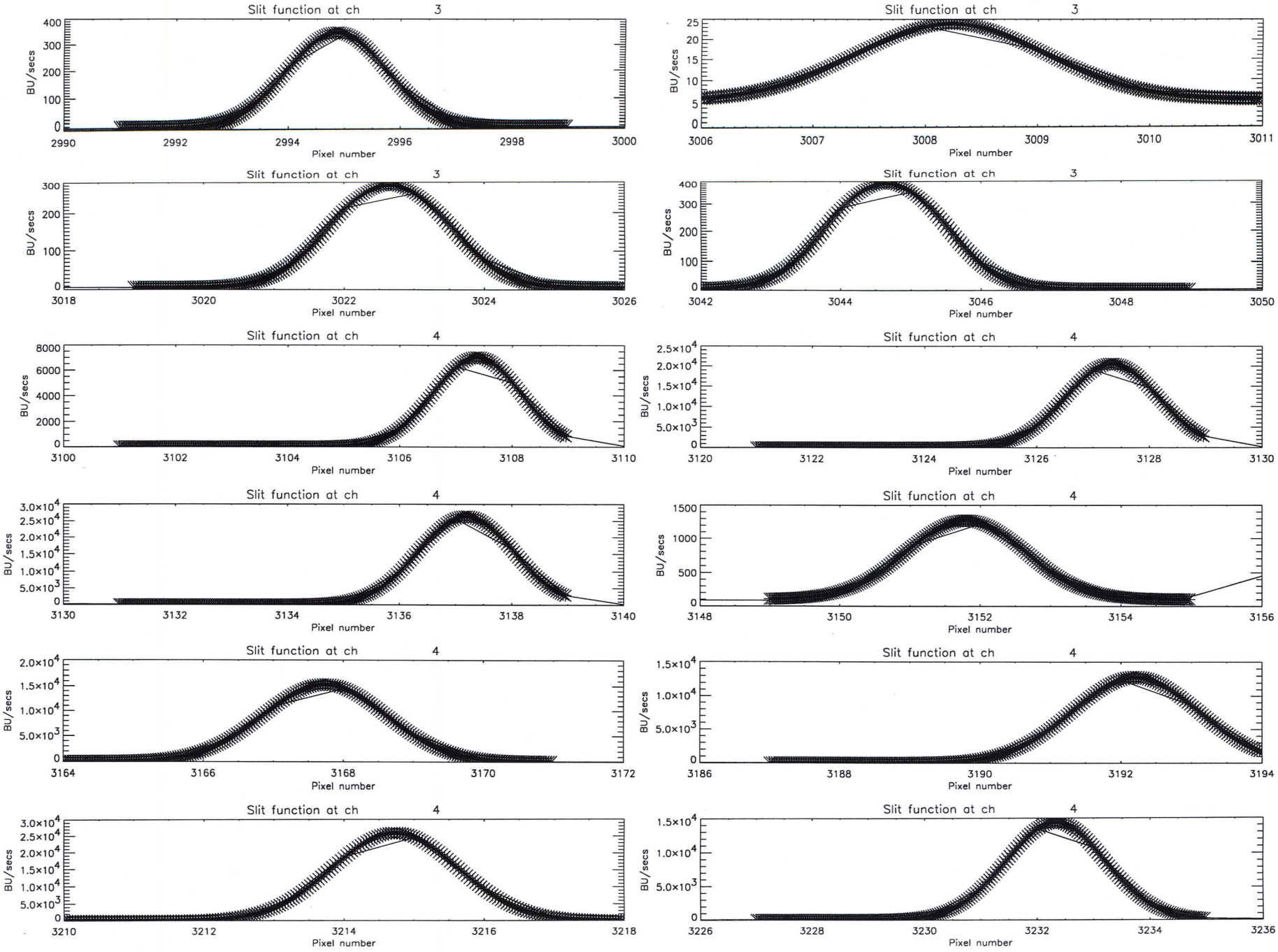
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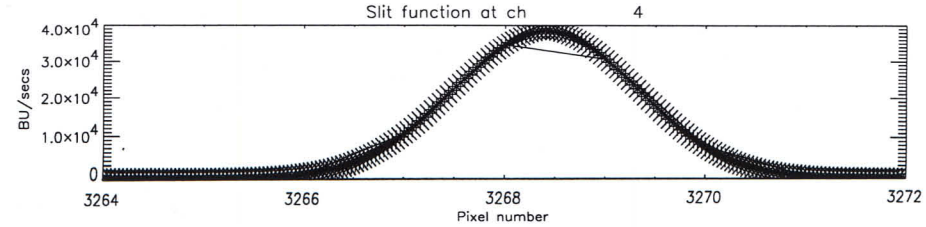
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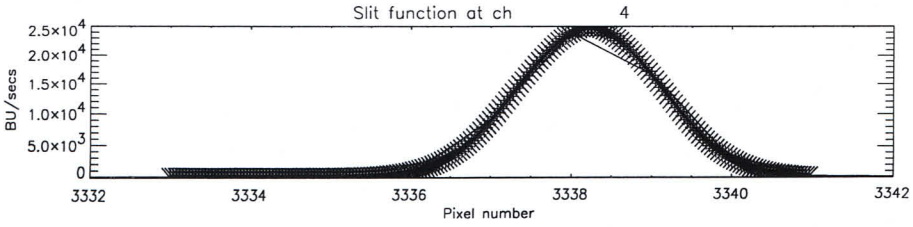
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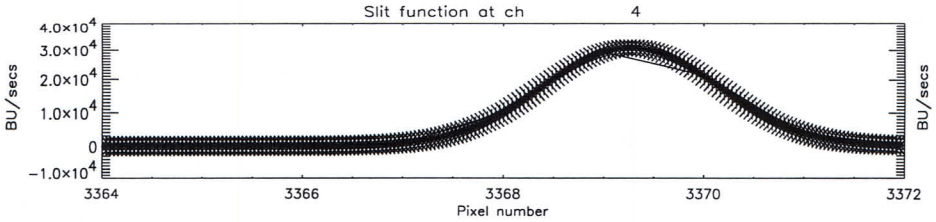
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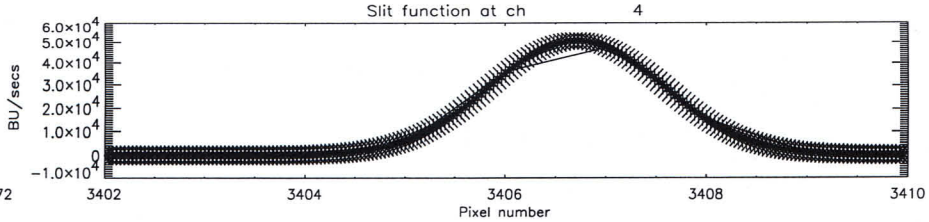
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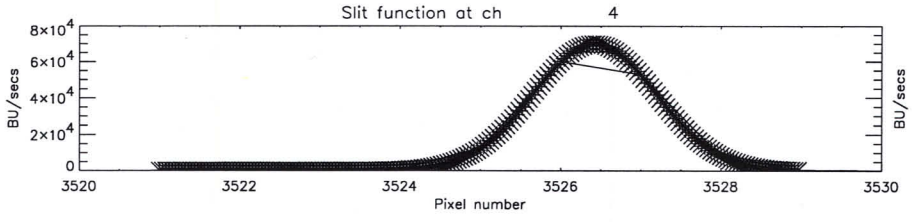
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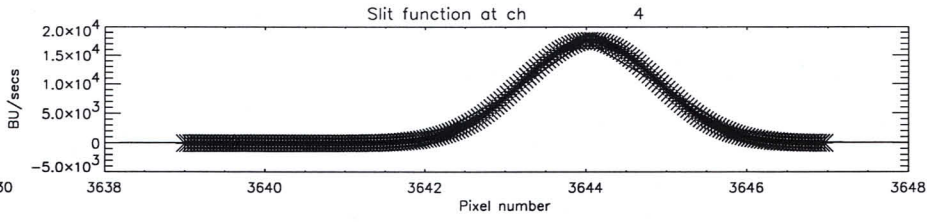
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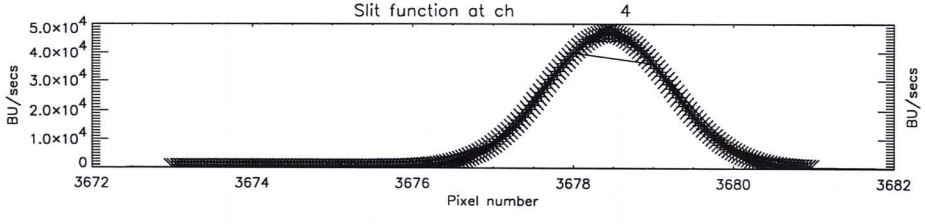
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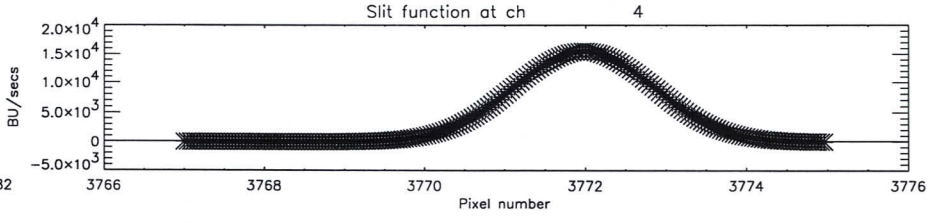
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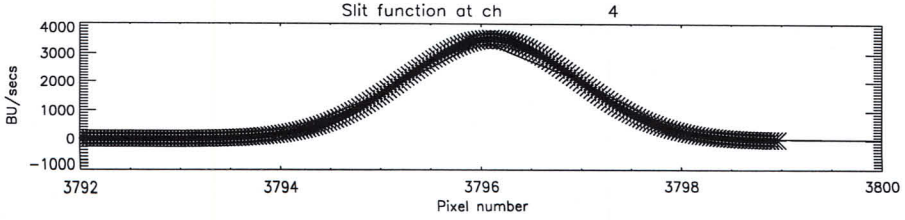
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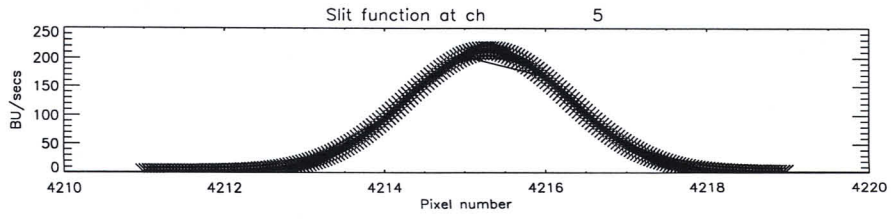
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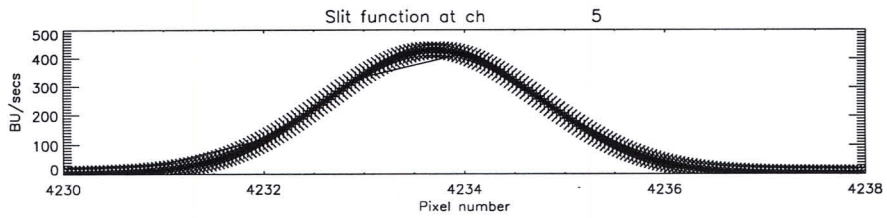
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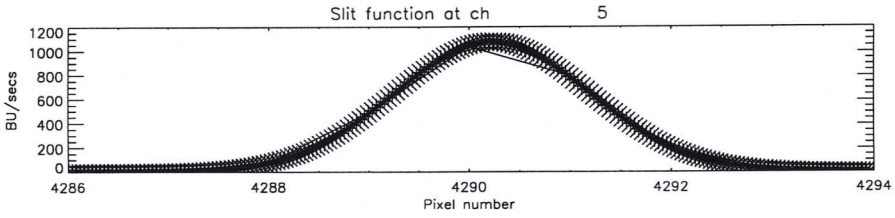
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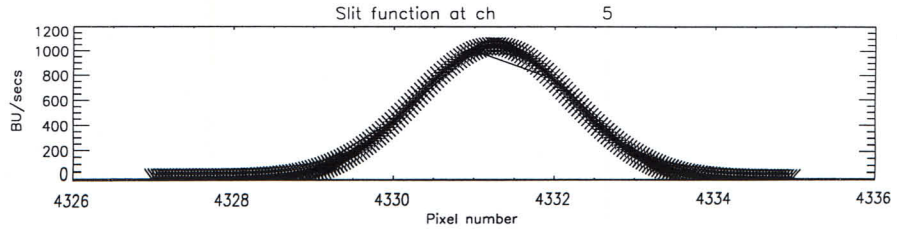
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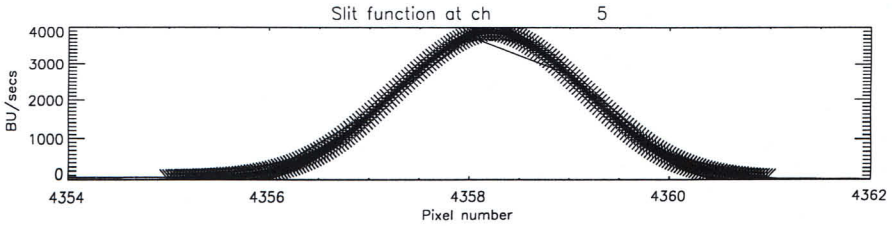
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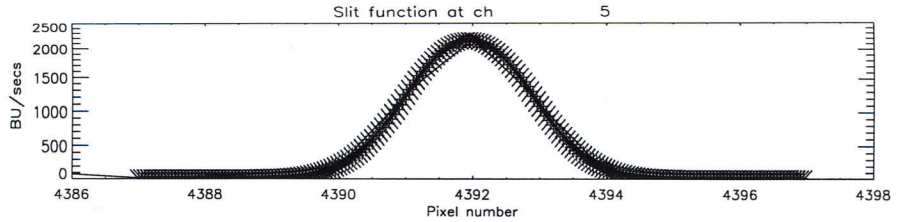
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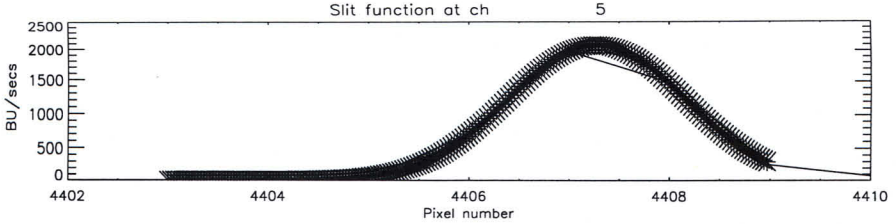
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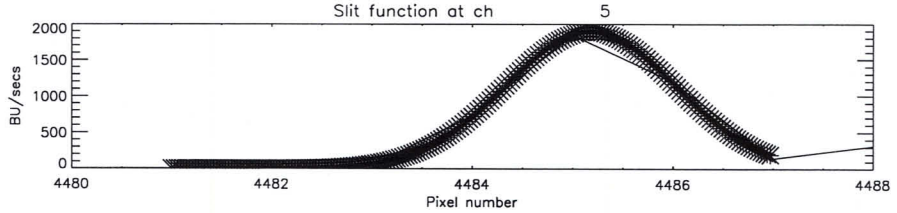
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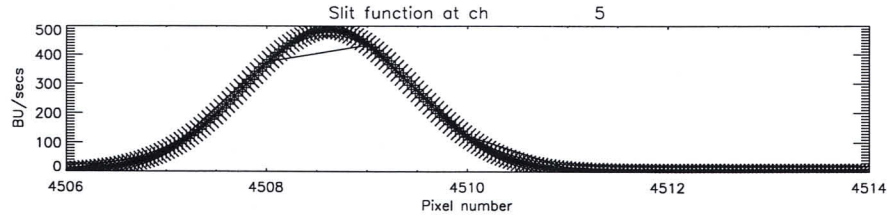
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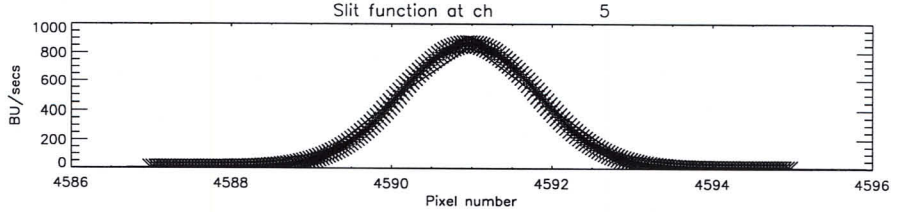
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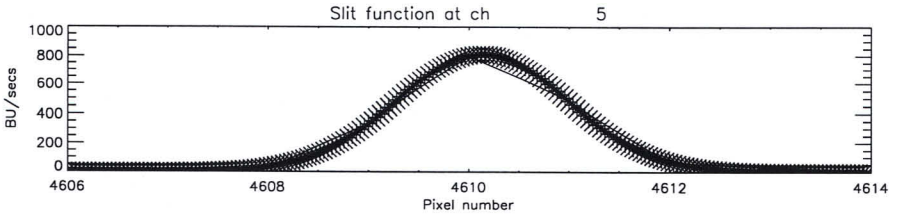
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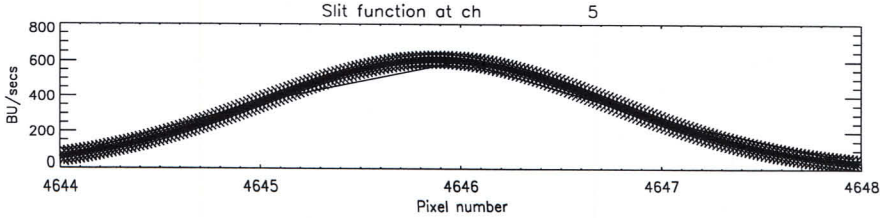
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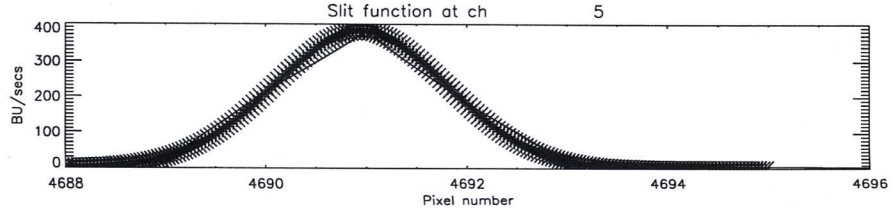
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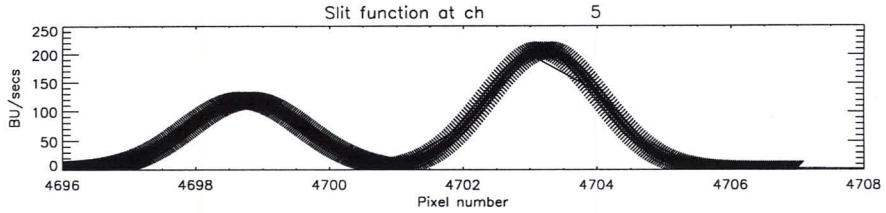
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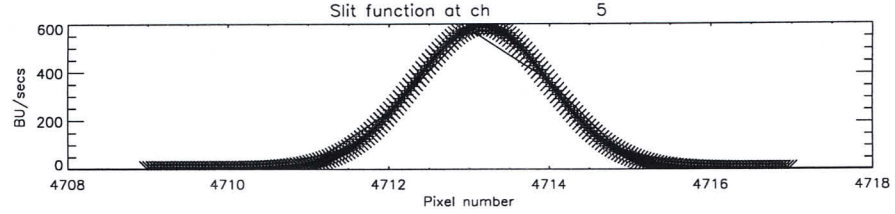
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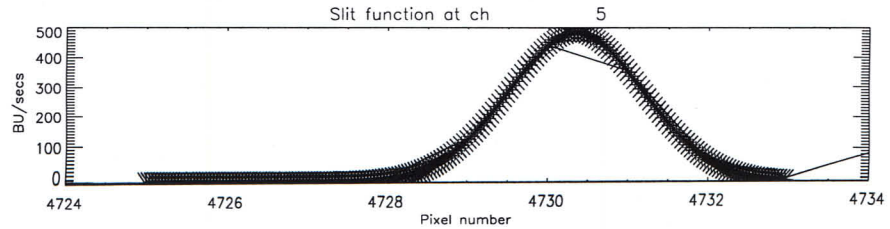
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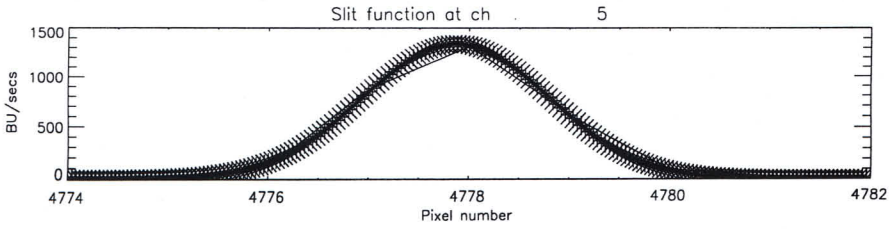
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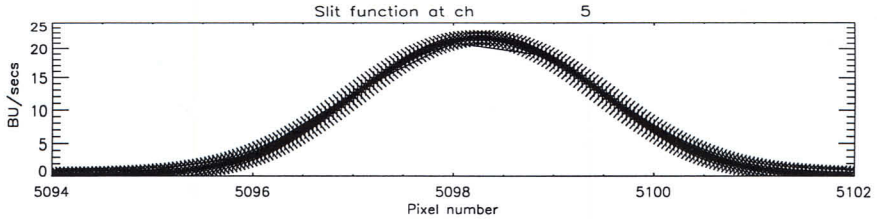
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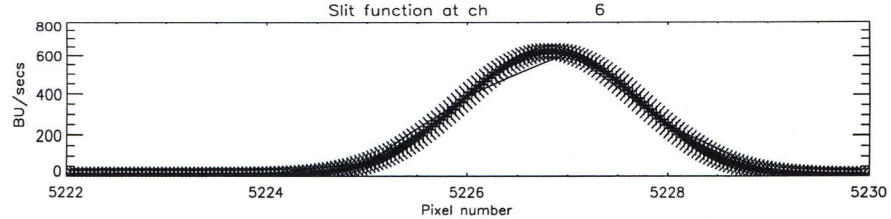
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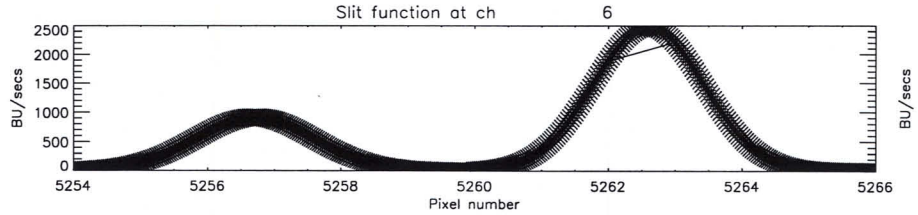
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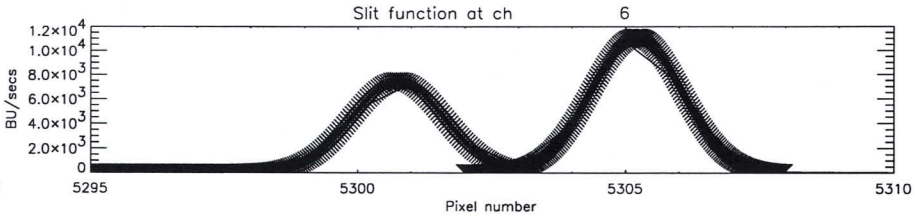
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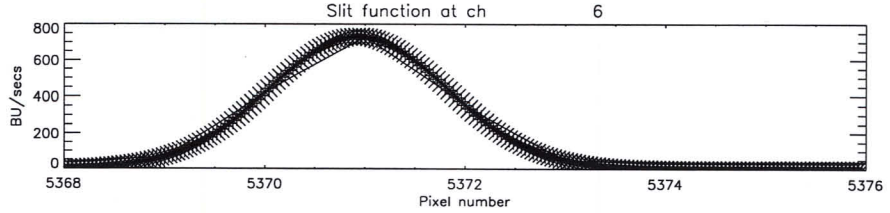
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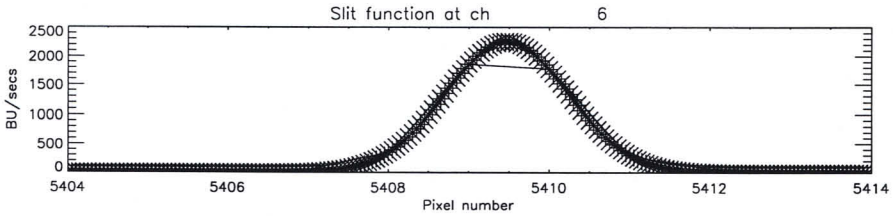
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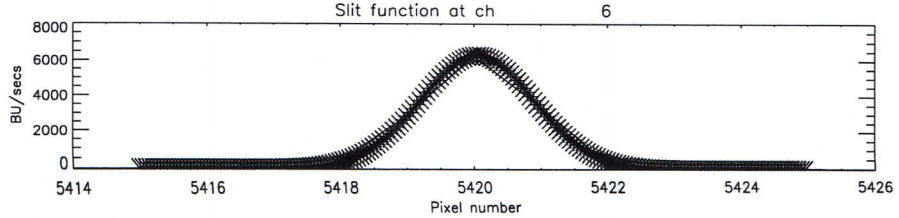
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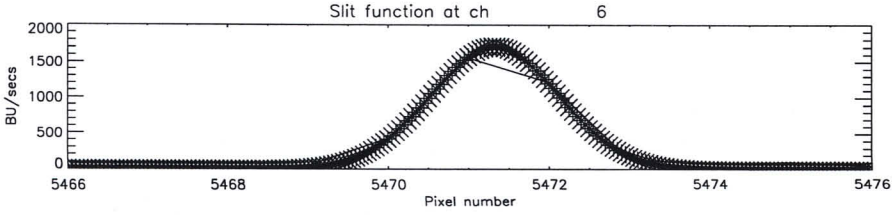
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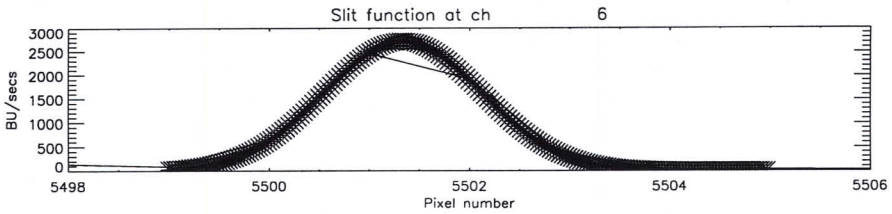
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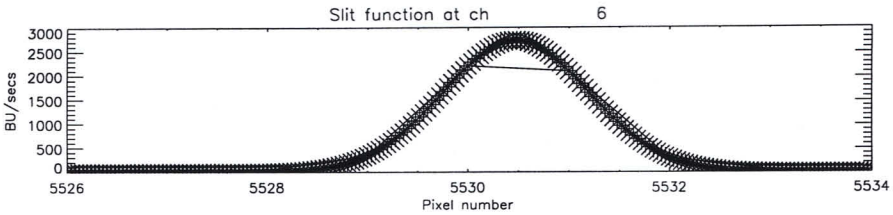
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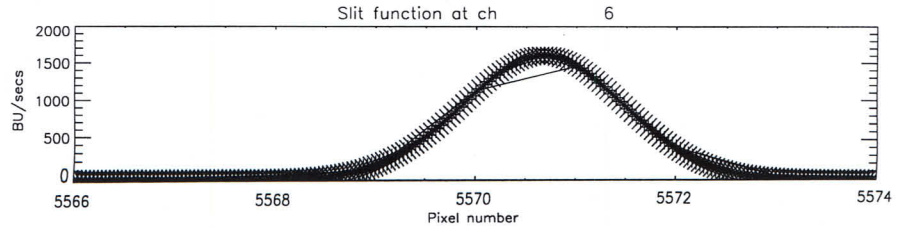
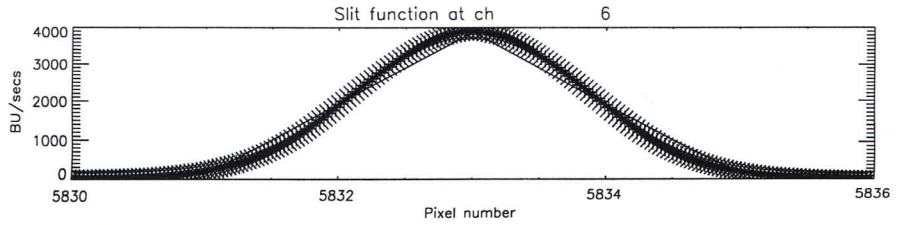
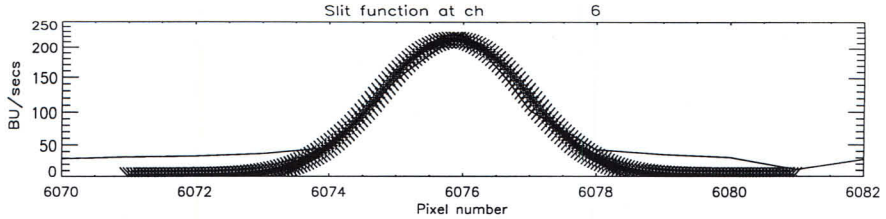
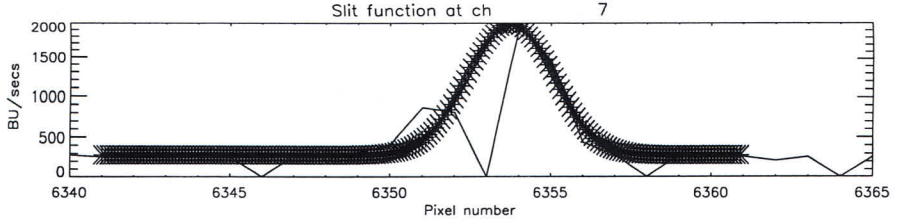
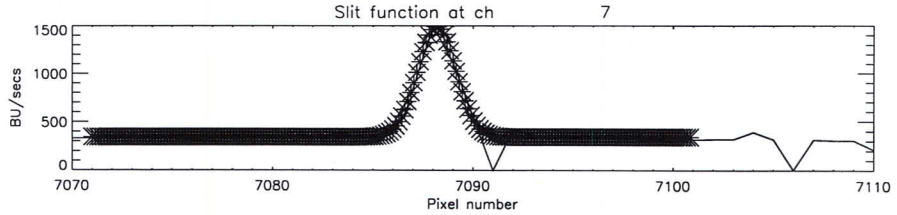
BU/secs
Pixel number

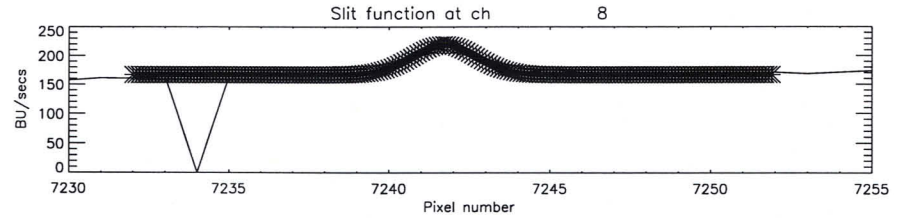

Slit function at ch 6
BU/secs
2000
1500
1000
500
0
5566
5568
5570
5572
5574
Pixel number

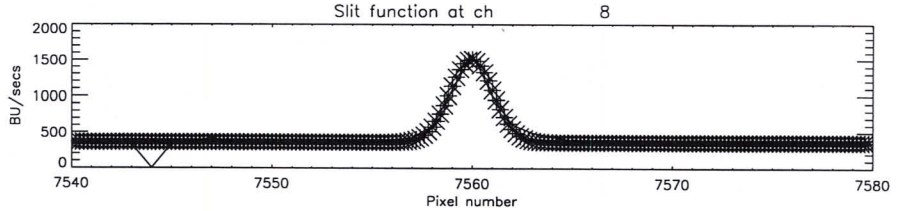

Slit function at ch 6
BU/secs
4000
3000
2000
1000
0
5830
5832
5834
5836
Pixel number

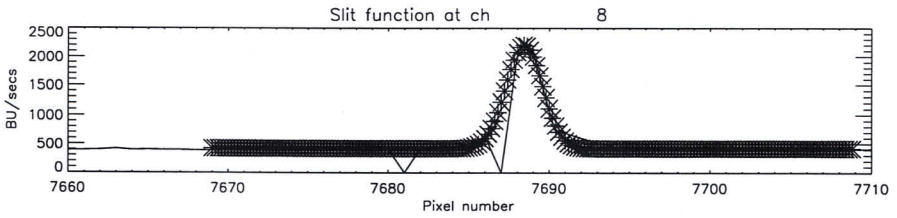

Slit function at ch 6
BU/secs
250
200
150
100
50
0
6070
6072
6074
6076
6078
6080
6082
Pixel number

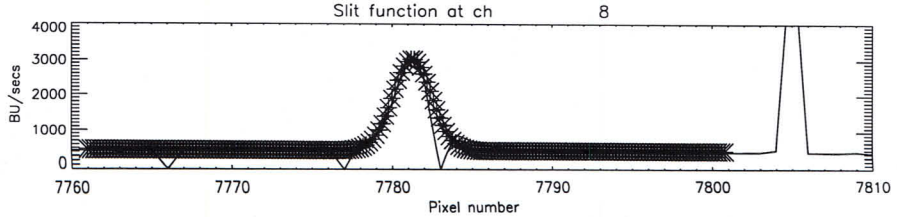

Slit function at ch 7
BU/secs
2000
1500
1000
500
0
6340
6345
6350
6355
6360
6365
Pixel number

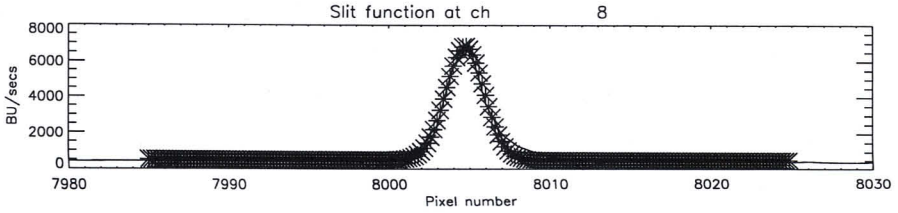

Slit function at ch 7
BU/secs
1500
1000
500
0
7070
7080
7090
7100
7110
Pixel number

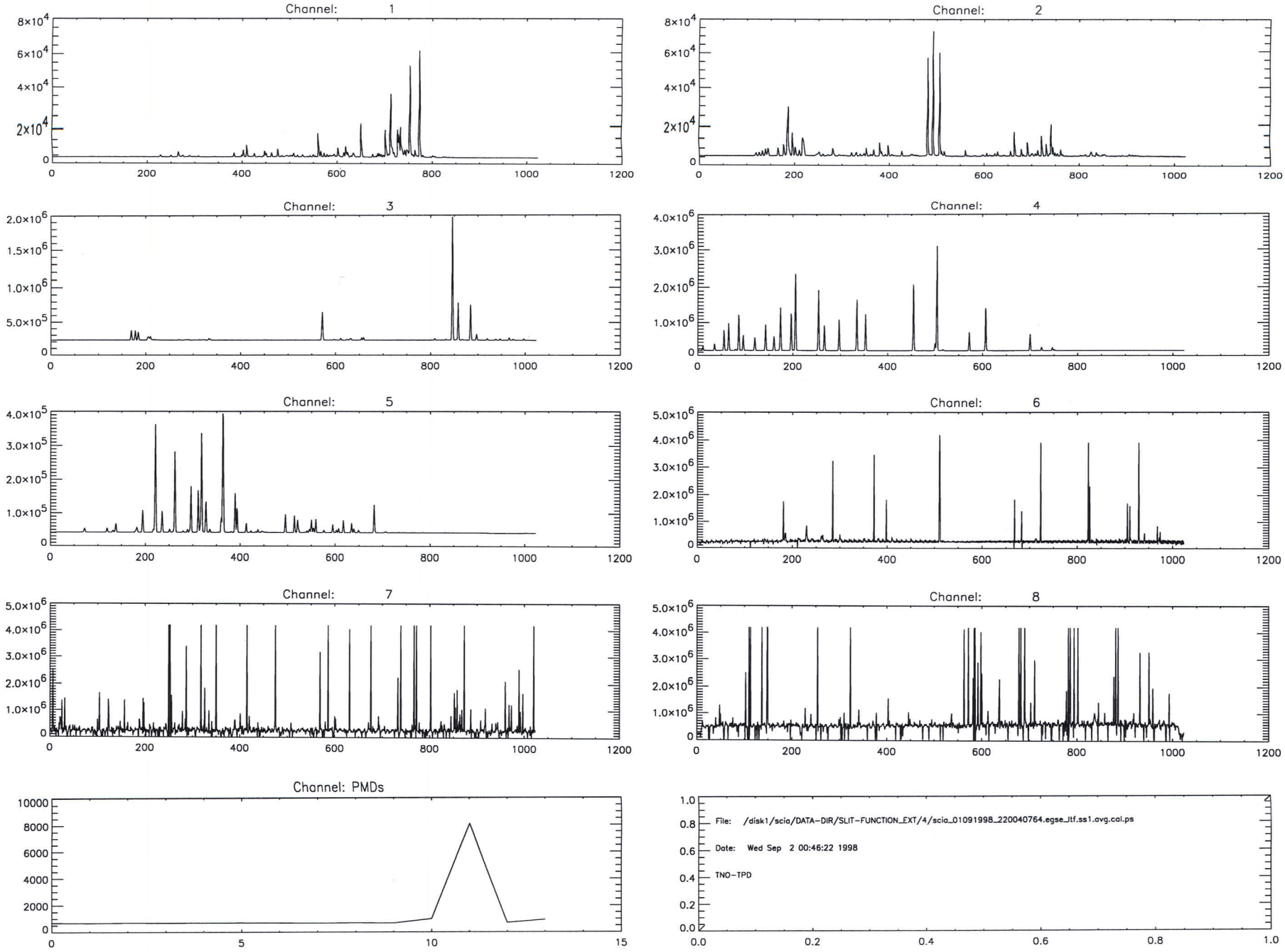

Slit function at ch 8
BU/secs
250
200
150
100
50
0
7230
7235
7240
7245
7250
7255
Pixel number


Slit function at ch 8
BU/secs
2000
1500
1000
500
0
7540
7550
7560
7570
7580
Pixel number


Slit function at ch 8
BU/secs
2500
2000
1500
1000
500
0
7660
7670
7680
7690
7700
7710
Pixel number


Slit function at ch 8
BU/secs
4000
3000
2000
1000
0
7760
7770
7780
7790
7800
7810
Pixel number


Slit function at ch 8
BU/secs
8000
6000
4000
2000
0
7980
7990
8000
8010
8020
8030
Pixel number


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_Itf.ss1.avg.cal.ps
Date: Wed Sep 2 00:46:22 1998
TNO-TPD

```
time       = Wed Sep  2 00:47:31 1998
batch      = du1
Start TOD = Tue 01-Sep-98 22:14:25
End   TOD = Tue 01-Sep-98 22:19:48
Processing= computation of average, standard dev. and rel.standard dev.
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.du1.
 and

/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.sp1.
Action:
Spectral calibration
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
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: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Coefficients in files /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_2
Processing time: Wed Sep 2 01:12:01 1998
Output file name:
/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.sp1.

```
time       = Wed Sep  2 00:46:57 1998
batch      = sp1
Start TOD = Tue 01-Sep-98 22:07:57
End   TOD = Tue 01-Sep-98 22:14:25
Processing= computation of average, standard dev. and rel.standard dev.
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.du1.
 and

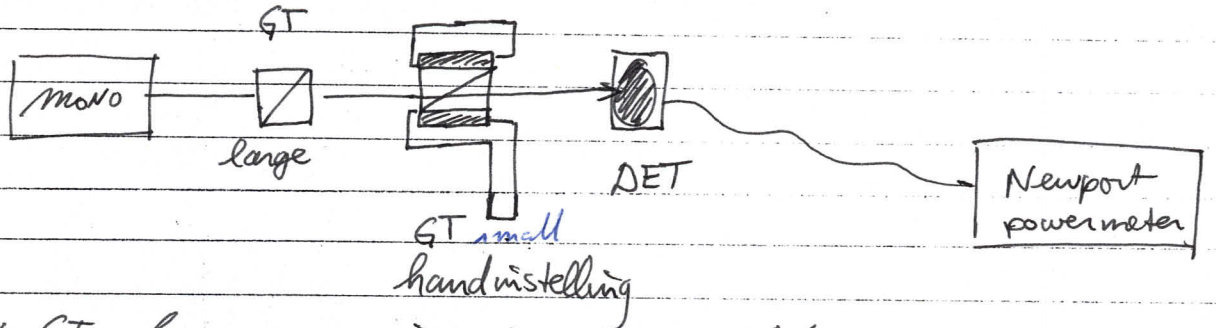
/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.ss1.
Action:
Spectral calibration
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/latest/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/latest/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/latest/stray.da
Coefficients in files /disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_2
Processing time: Wed Sep 2 01:16:55 1998
Output file name:
/disk1/scia/DATA-DIR/SLIT-FUNCTION_EXT/4/scia_01091998_220040764.egse_ltf.ss1.

```
time       = Wed Sep  2 00:46:22 1998
batch      = ss1
Start TOD = Tue 01-Sep-98 22:01:07
End   TOD = Tue 01-Sep-98 22:07:57
Processing= computation of average, standard dev. and rel. standard dev.
```

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	NOT CHRONOLOGICAL.. Description of action	Measurement directory
	Mte Plate, PJ Nijssen, Lyd Spek Internal WLS and SLS measurements (UID 24825) were performed. Data analysed. Looks ok. However rel_std SLS_INT out of spec. Was also the case in earlier measurement SLS_INT 28/8/98. ...	

Extra measurements that have to be performed on monochromator.

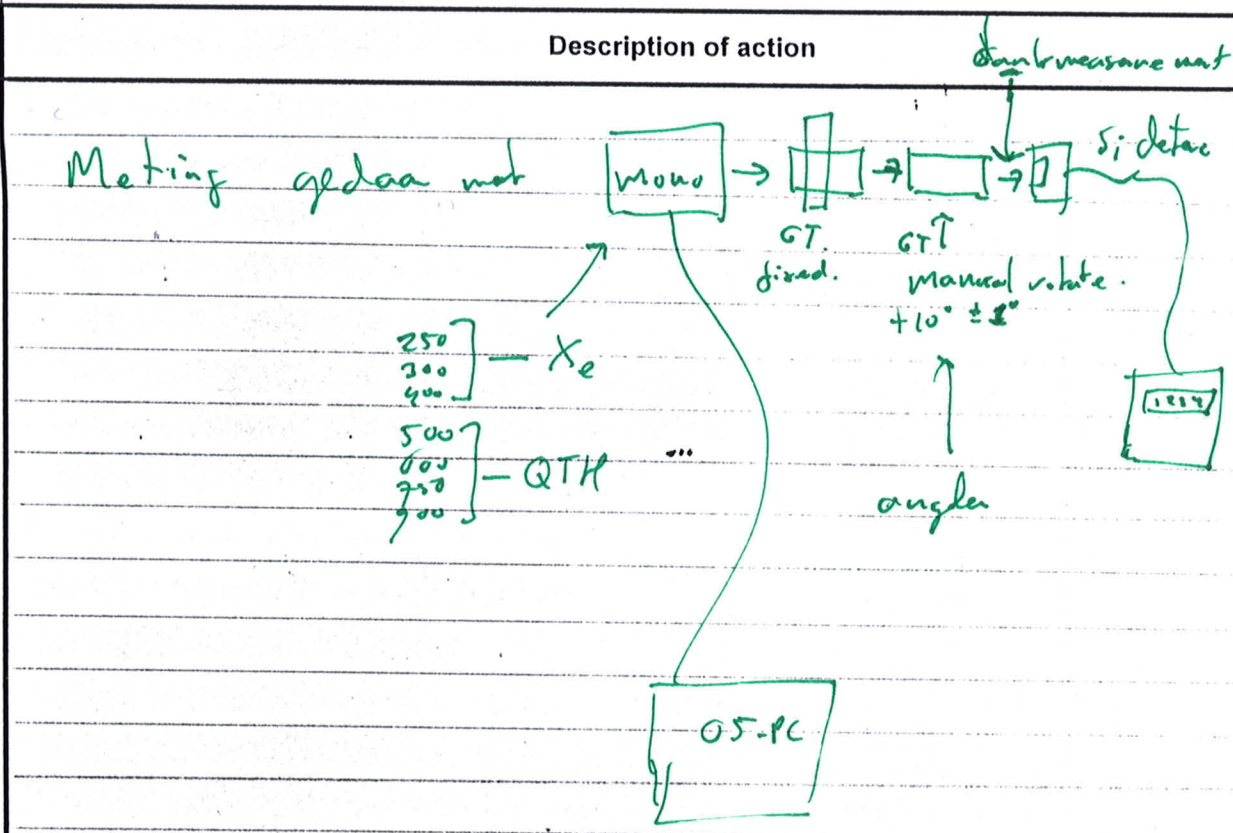


* GT large remains in same orientation
* GT small (handinstelling) wordt gedraaid, gradenboog op GT small, Neem monochromator slits 2 mm / 2 mm / 4 mm
  1) S - stand
  2) P - stand
  3) Zoek maximaal signaal op powermeter
  4) Zoek minimaal signaal op powermeter
  5) noteer donkersignaal!

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
	6) Noteer elke 10 graden het signaal (over 180 graden, gradenboog staat op de GT small 7) Herhaal stap 1) – 6) voor volgende golflengtes 250 nm 300 nm 400 nm 600 nm ... 750 nm 900 nm Graag uitwerken van meetgegevens in Excel	

LOG SHEET SCHIAMACHY CALIBRATION

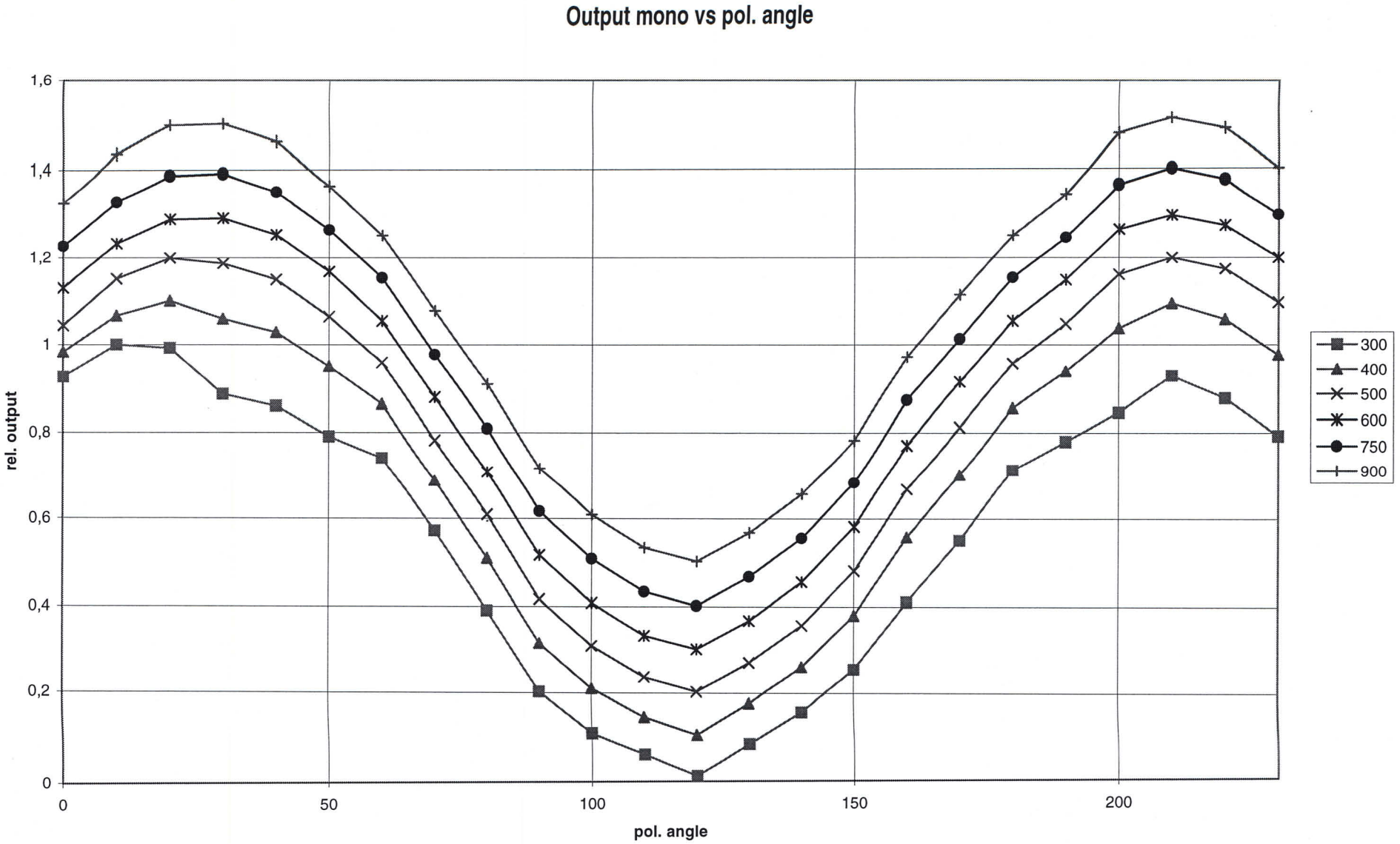
Date/Time	Description of action	Measurement directory

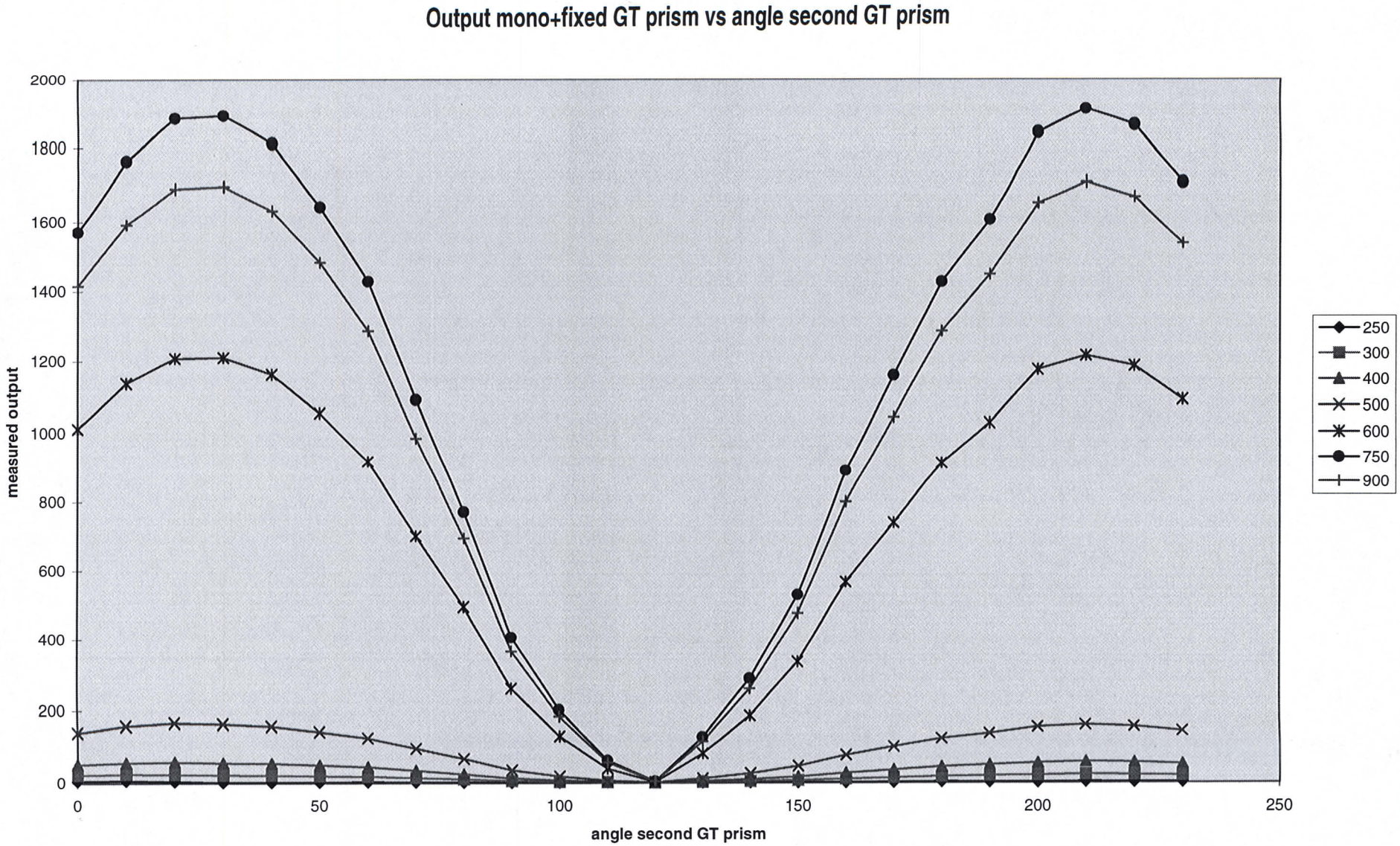


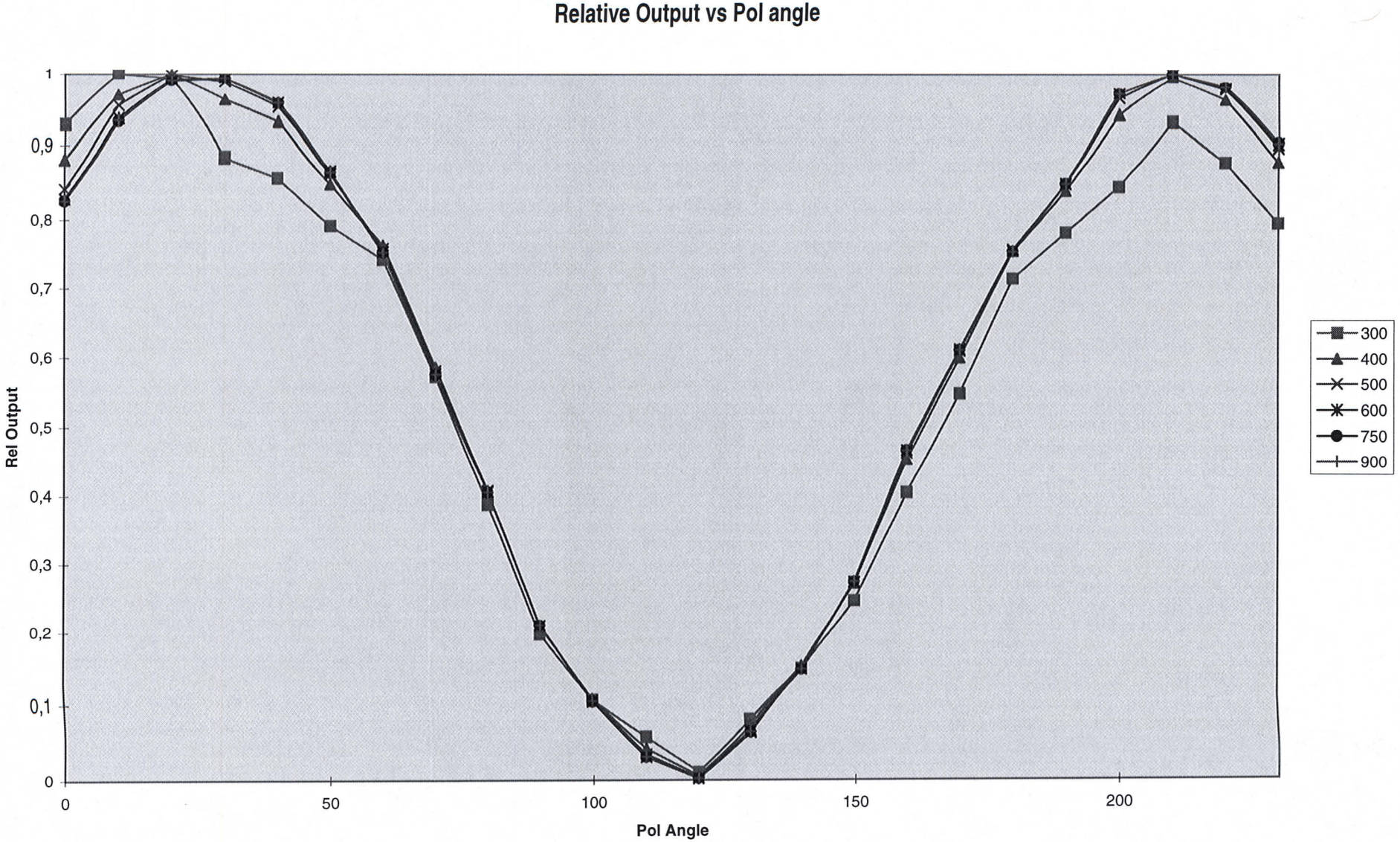
meting bij 250 nm zeer gevoelig voor andere afdekkers. mono.

Meting opgeslagen in Excel file.

Blijf op water letten i.v.m. verhoogde temp in Cleanroom

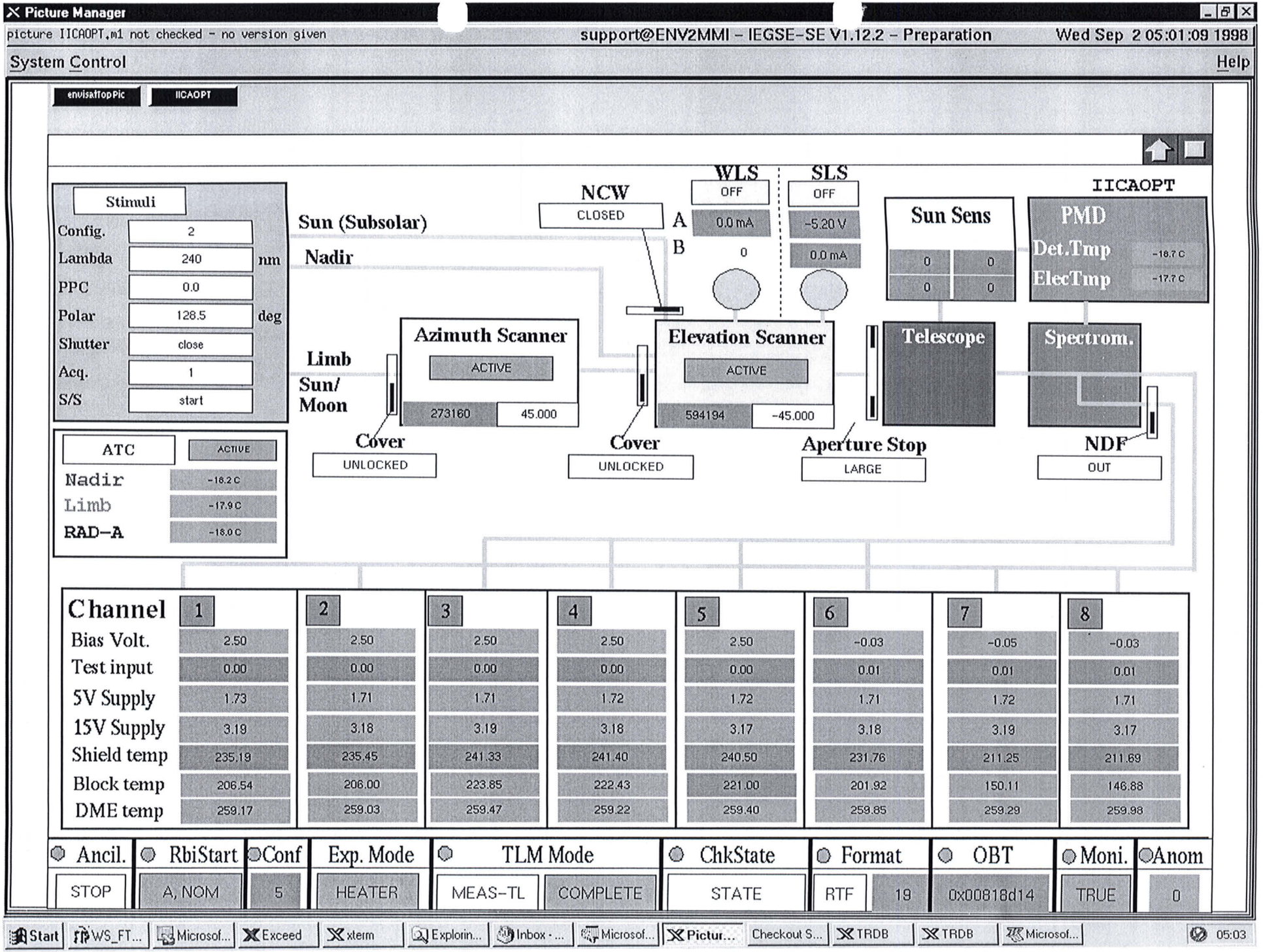

Output mono vs pol. angle
rel. output
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
0
50
100
150
200
pol. angle
300
400
500
600
750
900


Output mono+fixed GT prism vs angle second GT prism
measured output
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250
angle second GT prism
250
300
400
500
600
750
900


Relative Output vs Pol angle
Rel Output
1
0,9
0,8
0,7
0,6
0,5
0,4
0,3
0,2
0,1
0
0
50
100
150
200
Pol Angle
300
400
500
600
750
900

	250	300	400	500	600	750	900
1	5,65	23,26	5,31	~~224,7~~ 141,2	1012,0	1570,0	1415,0
+10	5,94	25,13	58,05	159,1	1138,0	1765,0	1592,0
+20	4,44	24,94	60,1	167,2	1208,0	1876,0	1693,0
+30	1,47	22,27	57,62	165,1	1211,0	1884,0	1699,0
40	1,60	21,60	55,80	158,8	1164,0	1810,0	1633,0
+50	1,73	19,93	51,10	144,6	1058,0	1644,0	1483,0
+60	2,86	18,70	45,90	127,0	919,7	1429,0	1288
+70	2,34	14,50	35,37	97,52	705,1	1095	987,5
+80	1,39	9,96	24,76	68,73	498,6	775,4	699,0
+90	0,756	5,28	13,12	36,42	264,4	411,7	371,6
100	0,728	2,96	6,85	18,49	132,3	206,1	186,4
+110	1,100	1,77	2,94	6,429	40,62	63,30	57,88
+120	0,509	0,522	0,567	0,726	2,304	3,965	4,415
+130	0,949	2,34	4,805	12,02	83,09	129,7	117,7
+140	0,920	4,14	9,86	26,44	190,6	295,8	267,4
+150	0,720	6,58	17,00	47,21	344,5	536,8	484,4
+160	0,714	10,45	27,07	78,41	575,1	895,6	806,9
+170	1,355	13,95	36,25	102,4	748,3	1164	1049
180	2,56	18,00	45,33	126,6	919,7	1430	1289
+190	2,32	19,65	50,4	141,8	1034,0	1610	1451
200	1,48	21,23	56,33	160,7	1180	1837	1656
+210	2,95	23,33	597	167,4	1220	1899	1712
+220	2,19	22,04	57,55	162,9	1191	1856	1673
+230	1,71	19,96	52,7	149,9	1098	1711	1541
1	1,47	18,13	46,6	134,1	982,6	1529	1377
+10	1,78	21,10	54,05	154,6	1133	1765	1589
+20	2,31	22,9	58,0	164,3	1203	1874	1688
+35	max						
↳	0,229	0,229	0,229	0,229			0,249
			0,270	0,269			0,288
-120 min.		units (nA)					

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
2/9/98	Setup ombouwen voor Zeta_UV_VIS.	
2/9/98	4:00 UTC start Zeta_UV_VIS UID 49	
2/9/98	stimuli-pc werkt niet goed. Stephan (Dornier-bay) bekijkt it vanuit de cleanroom.	
2/9	Disconnect mono when not in use	


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Wed Sep 2 05:01:09 1998
System Control
Help
envisatTopPic
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 0.0
Polar 128.5 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 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
-5.20 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 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 235.19 235.45 241.33 241.40 240.50 231.76 211.25 211.69
Block temp 206.54 206.00 223.85 222.43 221.00 201.92 150.11 146.88
DME temp 259.17 259.03 259.47 259.22 259.40 259.85 259.29 259.98
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 19
OBT 0x00818d14
Moni. TRUE
Anom 0
Start
WS_FT...
Microsof...
Exceed
xterm
Explorin...
Inbox - ...
Microsof...
Pictur...
Checkout S...
TRDB
TRDB
Microsof...
05:03

	LOG SHEET SCHIAMACHY CALIBRATION	
Date/Time	**Description of action**	**Measurement directory**
2-9	Zeta - Uv - Vis dark seems ok ; some high values for rel.std. in channels 6-8. Popcorn ? light NOT ok channel 5 saturated but identical to ETA-uv channel 6 not used for uv ?! All PETS seems ok when using Solar for DM/coadding calculated zeta ≅ 1 some "discontinuties" in channel 1 ≅ pix 250 " 2 " " 700 " 3 " " 400	

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	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								

Zeta_Nadir_UV
UID 49
Step 15.4.

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	128.5	Close	~~240~~ 1	240	240	0	4	DU1	
2.1	2	0	128.5	Open	1	240	240	0	4	W4A#	
2.2	2	0	42.3	Open	1	240	240	0	4	WMA#	
3.1	2	12,5	128.5	Open	1	240	240	0	4	W4C#	
3.2	2	12,5	42.3	Open	1	240	240	0	4	WMC#	
4.1	2	18,3	128.5	Open	1	240	240	0	4	W4e#	
4.2	2	18,3	42.3	Open	1	240	240	0	4	Wme#	
5	2	18,3	42.3	Close	1	240	240	0	4	DU2	

change!

Measurement Data Description

Test Purpose	
Remark	UID 49
Data Directory	0245_04.38.23_ETA_UV_VIS

Signatures

	Date	Signature
Issued	2/9/98	[signature]
< Performed	2.9.98	[signature]

MASTER

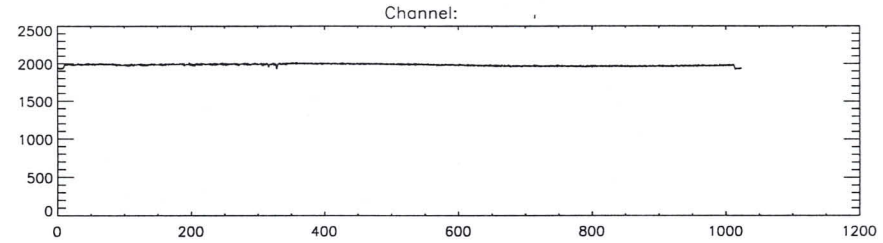
ZETA-UV

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Wendell Lynch	
	Date:	02-09-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	0245_04.38.23-ETA_UV_VIS/ (A)	scia_02091998_05463887.dat scia_02091998_06184075.dat scia_02091998_07231045.dat scia_02091998_07063978.dat
	Setup a three-window configuration on your SUN.	scia_*_07385647.dat _07542552.dat _08105035.dat	see course descr.
Cnstr directory	`cd ~/DATA-DIR/ETA-UV/ ;` `ls -l`	NADIR	Note: In window DATA-DIR
	highest number in directory? New directory: `mkdir <B+1>` `ls -l`	0 (B)	
	What's now the highest number in directory? <C> should be <B> + 1 directory name is:	1 (C) Y / N ~/DATA-DIR/ETA-UV/<C> (DIR-NAME)	NADIR
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	ZETA-NADIR-UV/scia_02091998_04424109g.egse_ltf (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:	145.998	should be approx 150Kb
	S-pol file: `ls -l *ws*.avg.cal`		
	size:	145.998	should be approx 150Kb

	Size of file <D>.du*.avg.cal.[a|c|e].p1.log	1279
	Size of file <D>.du*.avg.cal.[a|c|e].p1.ps	141755
Check ETA visually	`lpr -P<printer>` <D>.*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		

Sign:	Name	Harold Lynch
	Date and time	02-09-98
	Signature	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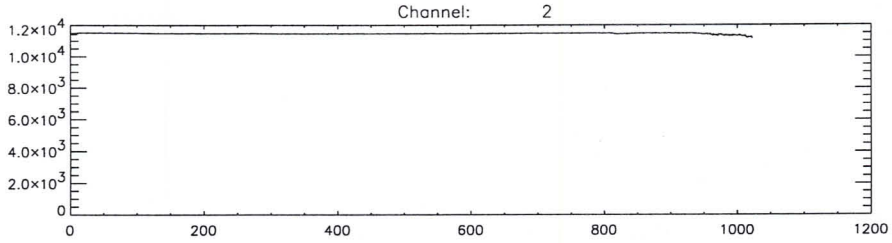
600
800
1000
1200


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
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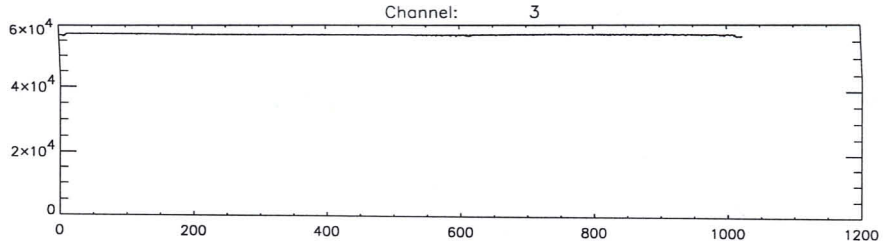
400
600
800
1000
1200


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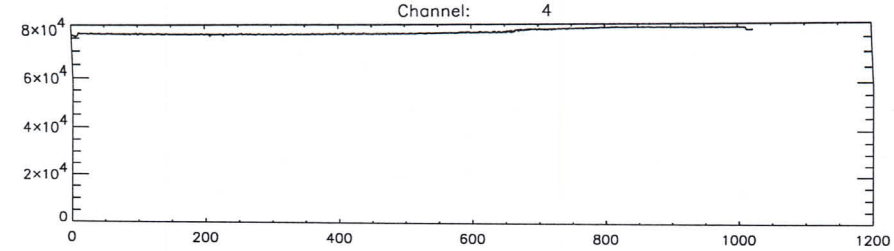
600
800
1000
1200


Channel: 4
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6×10^4
4×10^4
2×10^4
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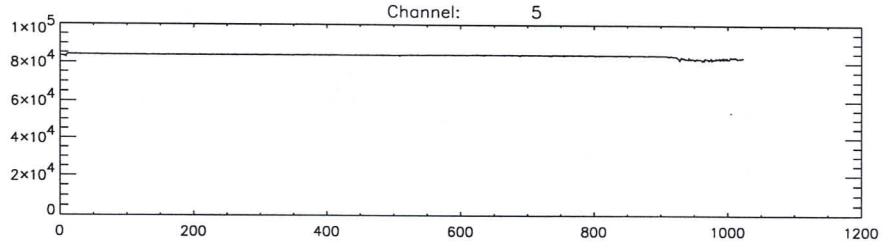
0
200
400
600
800
1000
1200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4×10^4
2×10^4
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0
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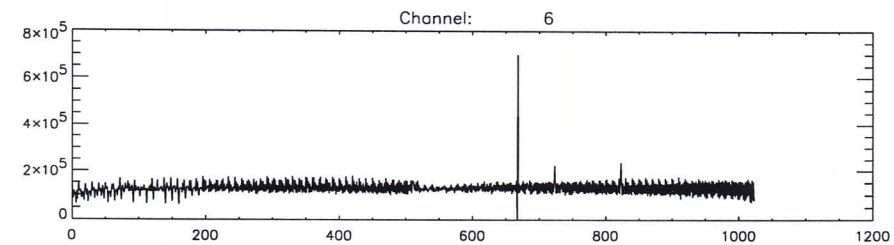
400
600
800
1000
1200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6×10^5
4×10^5
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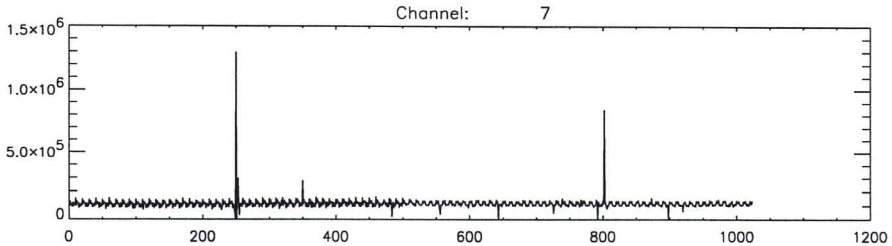
400
600
800
1000
1200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5.0×10^5
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0
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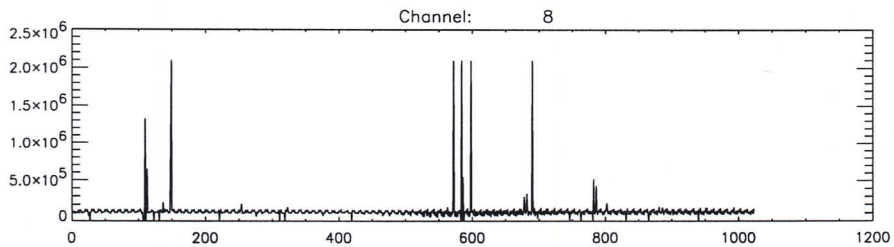
400
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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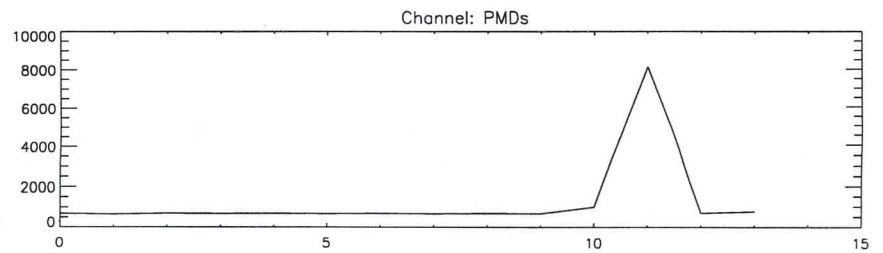
600
800
1000
1200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6000
4000
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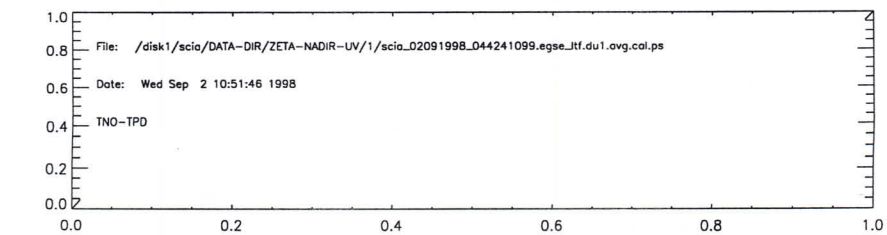
0
5
10
15


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.cal.ps
Date: Wed Sep 2 10:51:46 1998
TNO-TPD
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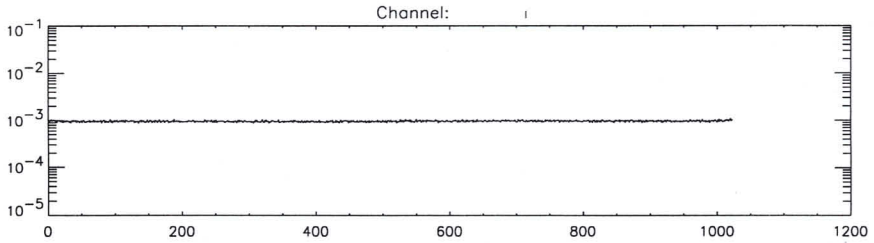
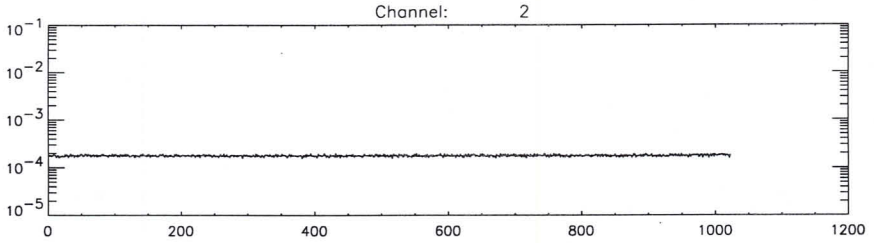
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: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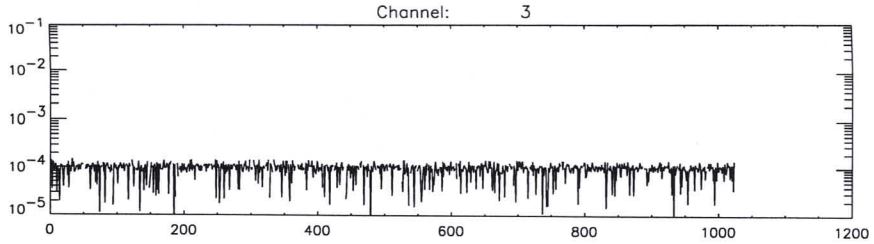
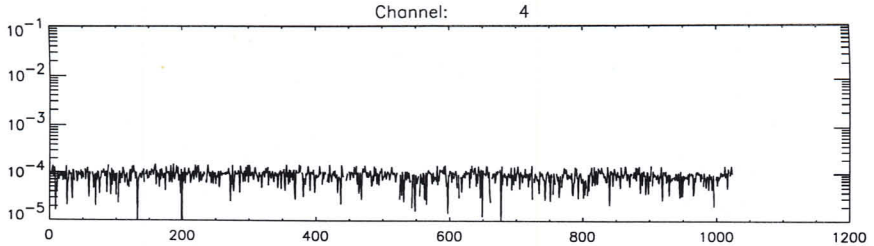

Channel: 3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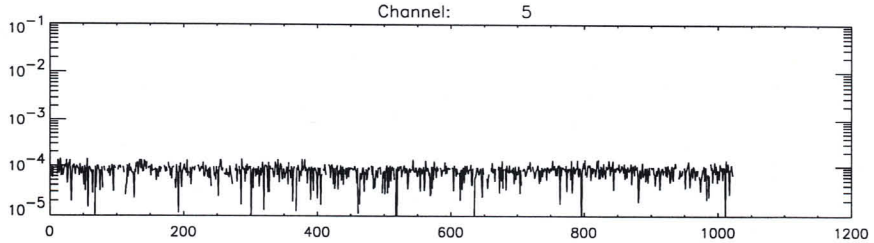
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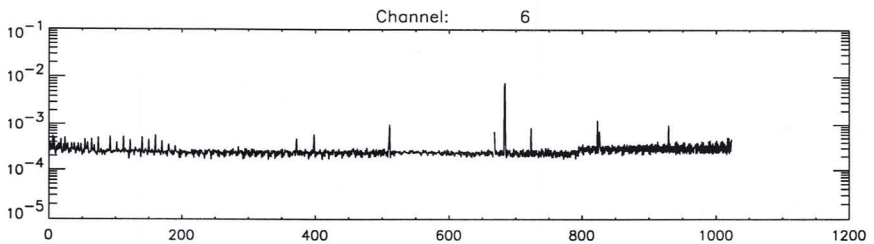
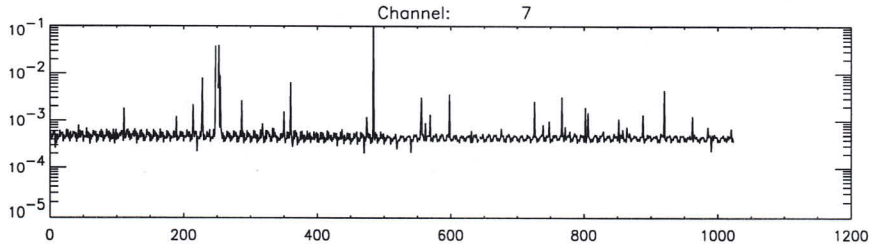
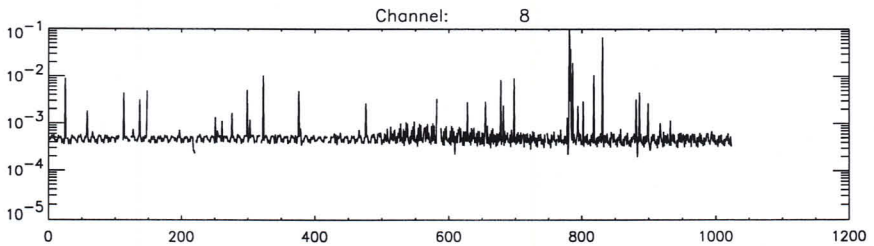
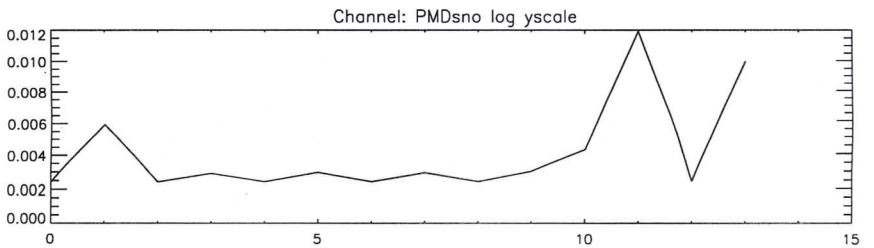
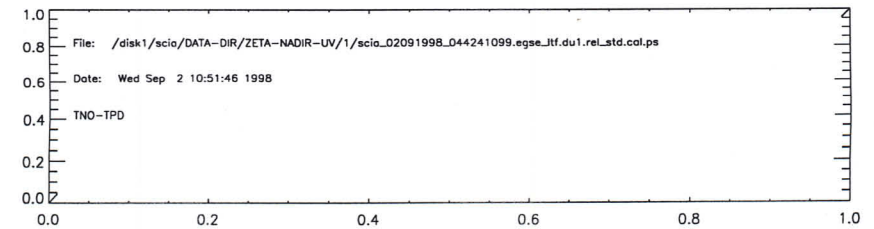

Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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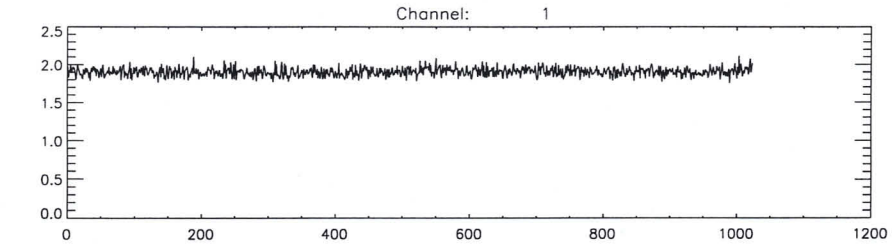
Date: Wed Sep 2 10:51:46 1998
TNO-TPD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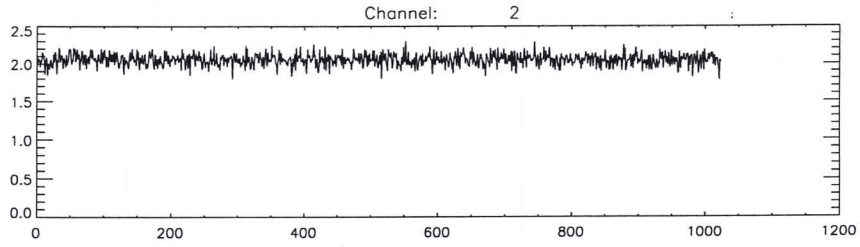
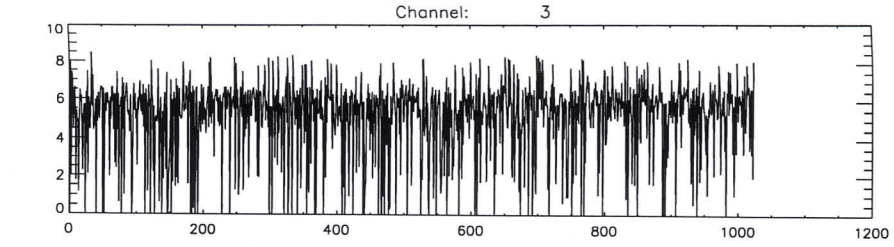
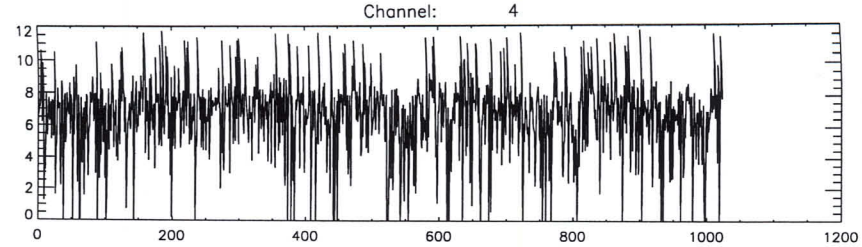

Channel: 2


Channel: 3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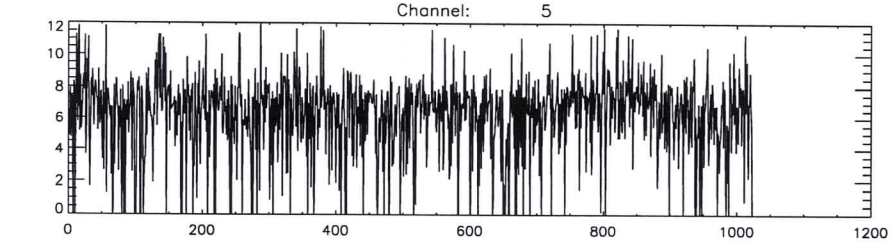
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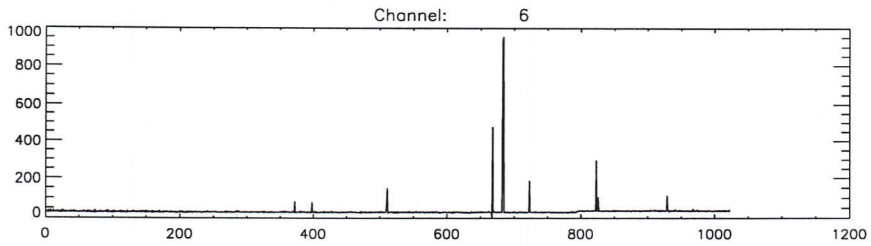
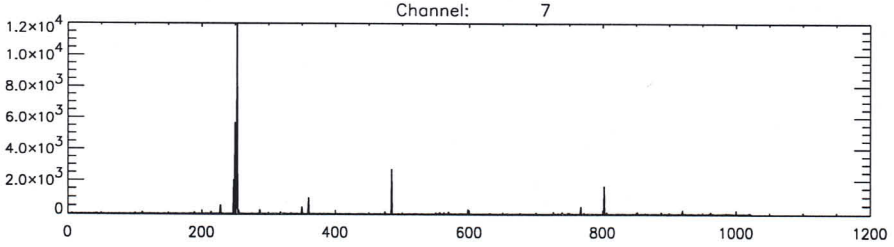
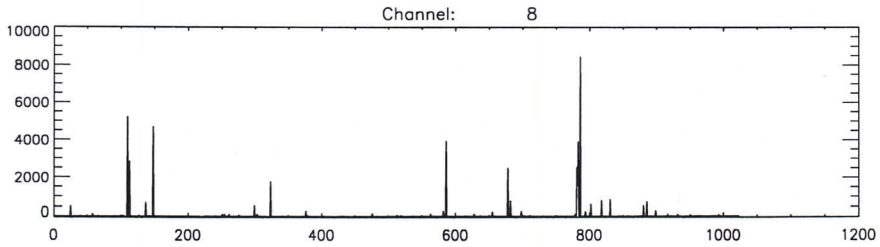
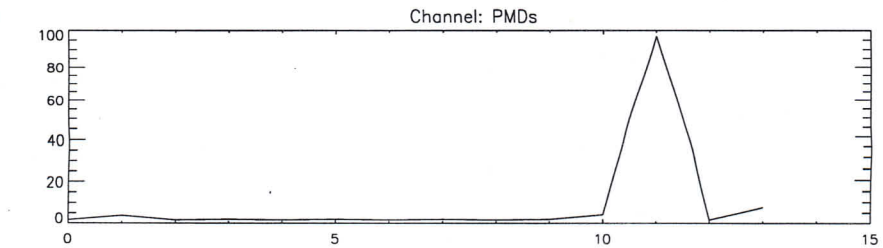
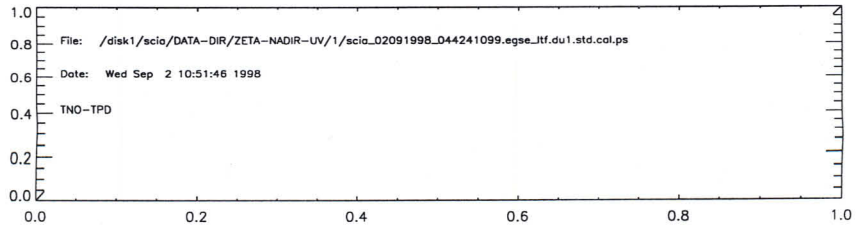
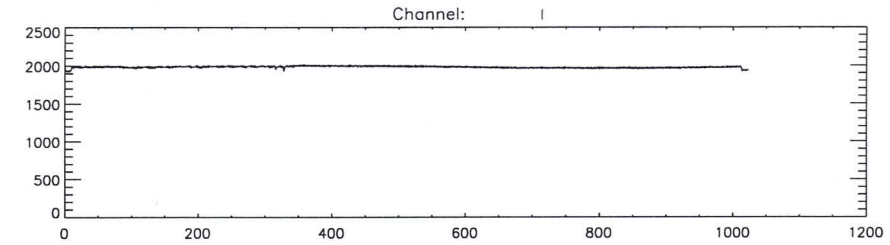

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_itf.du1.std.cal.ps
Date: Wed Sep 2 10:51:46 1998
TNO-TPD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1500
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0
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600
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1000
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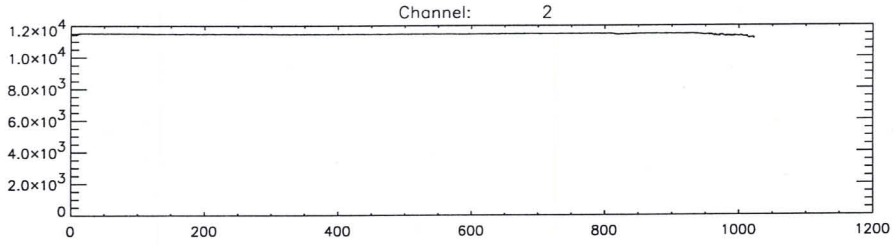
Channel: 2
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
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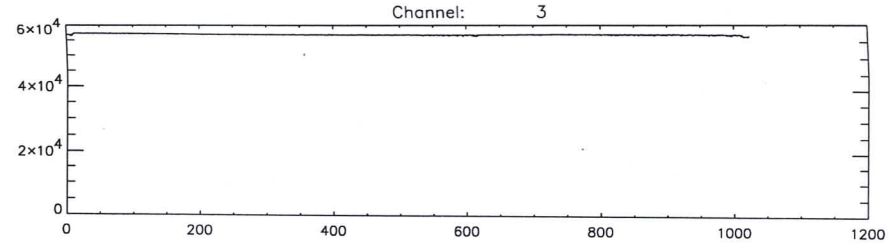
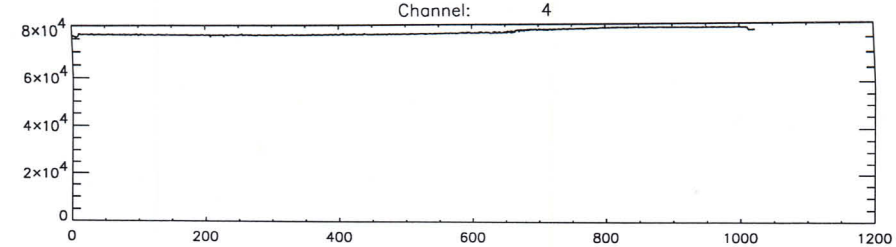
400
600
800
1000
1200


Channel: 3
6×10^4
4×10^4
2×10^4
0
0
200
400
600
800
1000
1200


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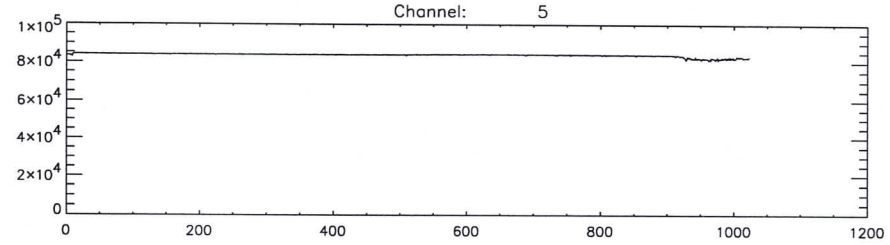
1000
1200


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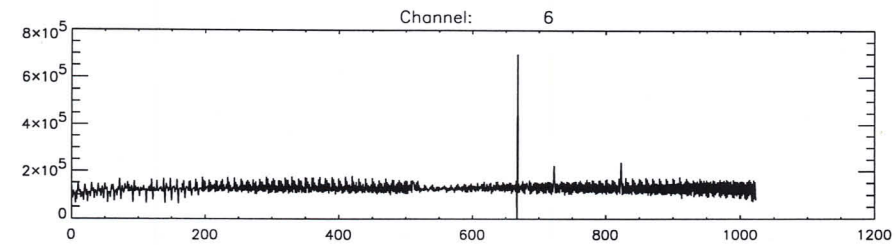
400
600
800
1000
1200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4×10^5
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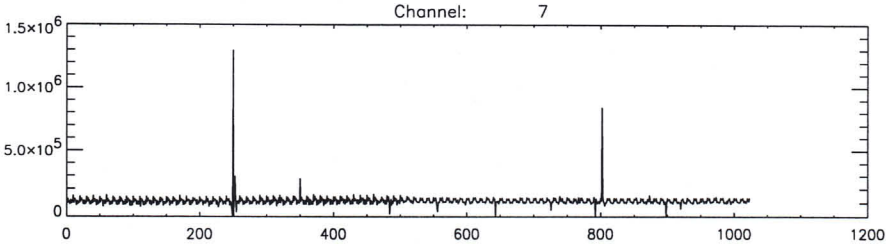
600
800
1000
1200


Channel: 7
1.5×10^6
1.0×10^6
5.0×10^5
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0
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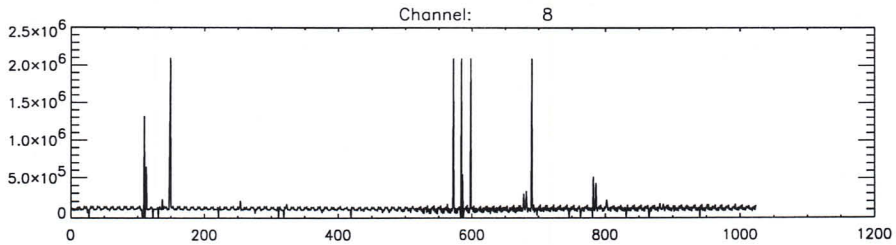
400
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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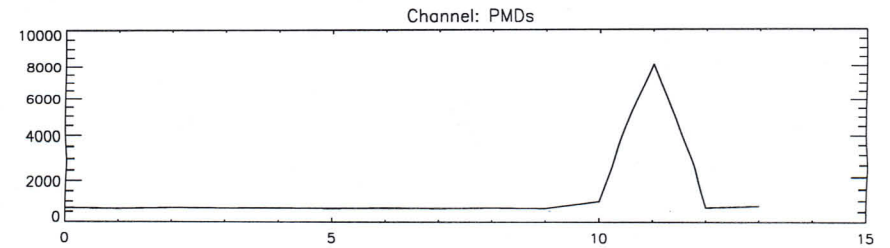
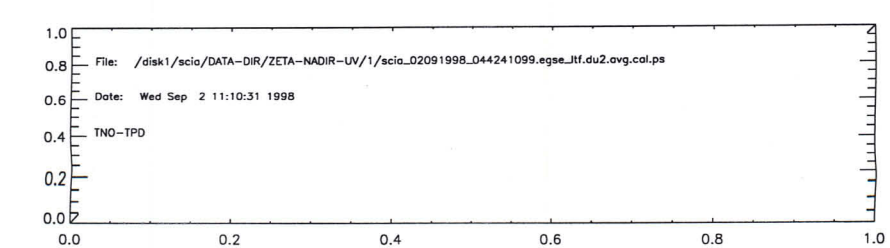
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15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Date: Wed Sep 2 11:10:31 1998
TNO-TPD
1.0
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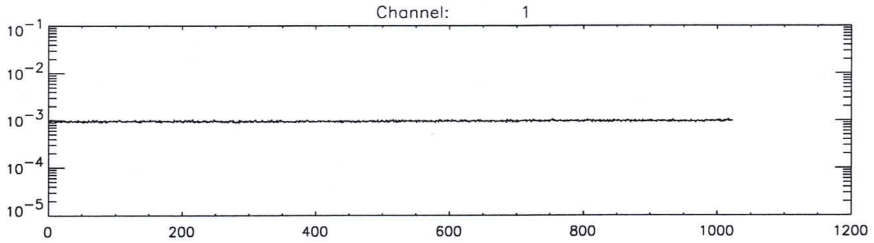
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
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1000
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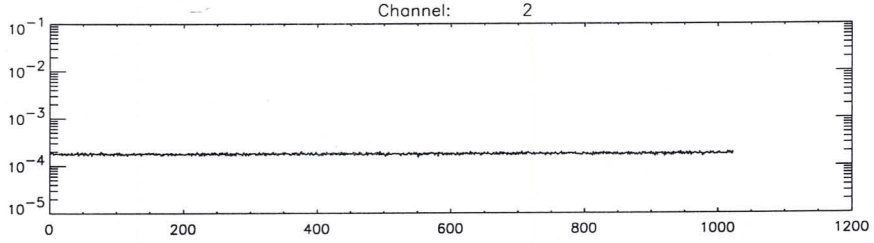
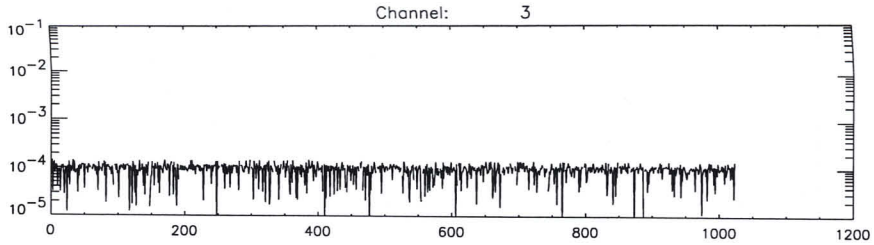

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200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10^{-4}
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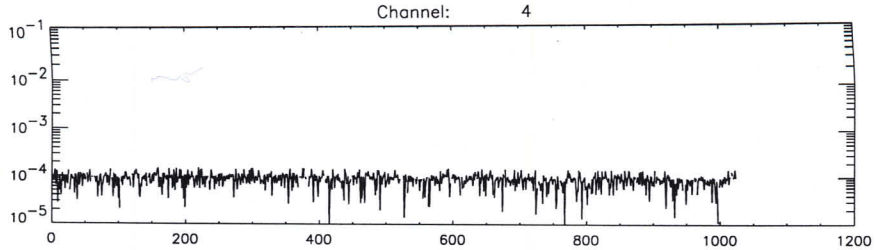
Channel: 4
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10^{-3}
10^{-4}
10^{-5}
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1000
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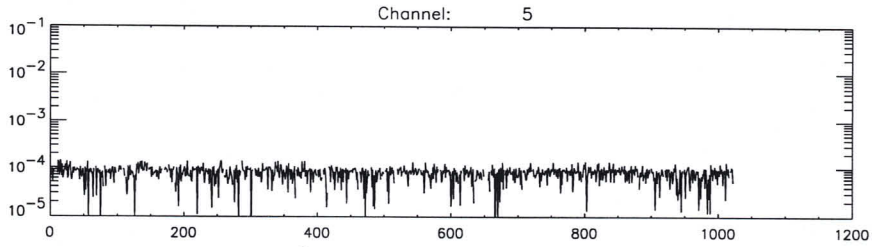
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10^{-3}
10^{-4}
10^{-5}
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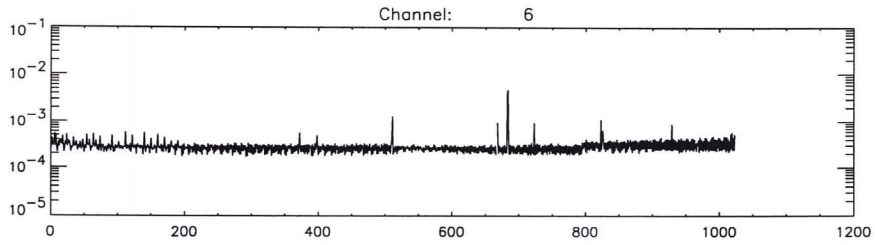
800
1000
1200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10^{-3}
10^{-4}
10^{-5}
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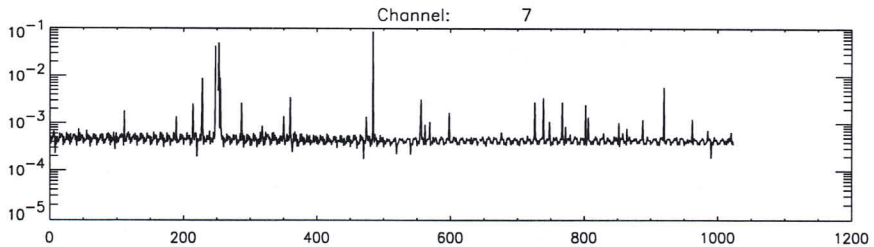
600
800
1000
1200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10^{-3}
10^{-4}
10^{-5}
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1000
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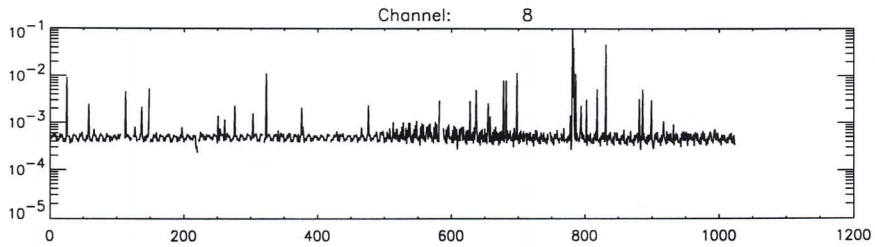
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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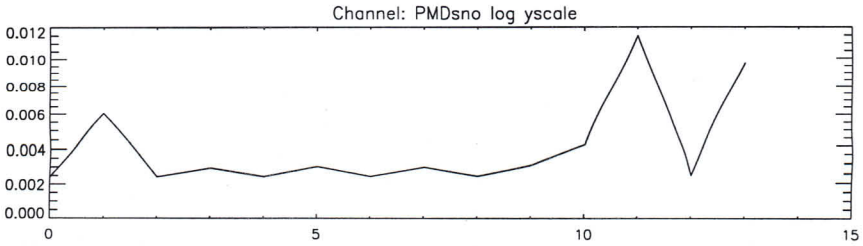
600
800
1000
1200


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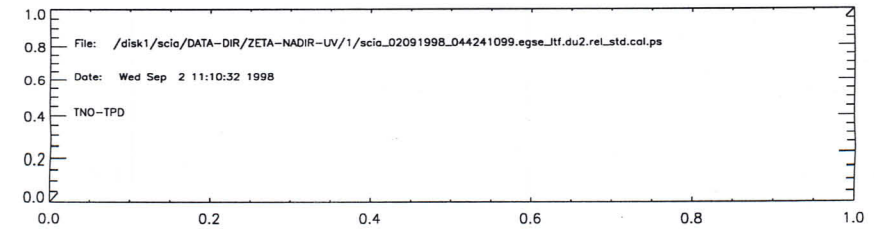
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du2.rel_std.cal.ps
Date: Wed Sep 2 11:10:32 1998
TNO-TPD
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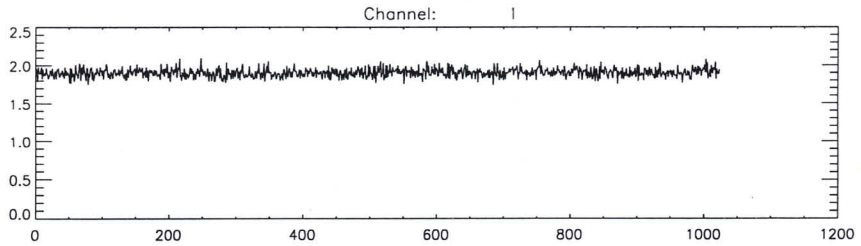
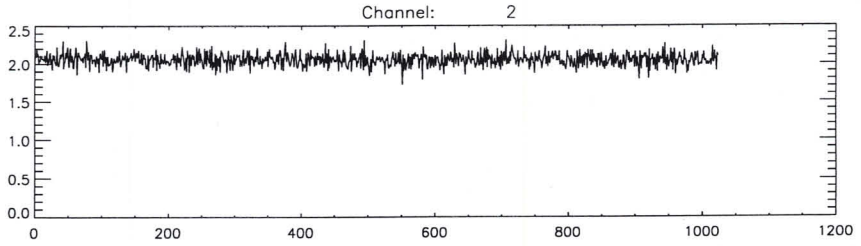
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1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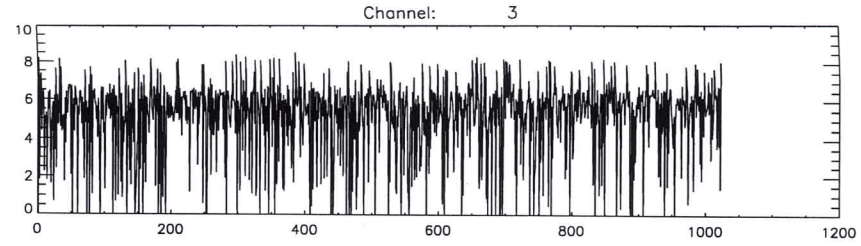
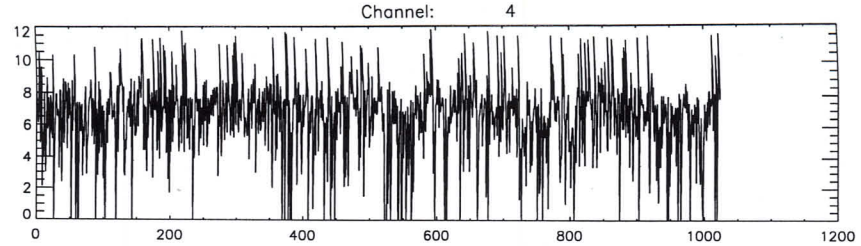

Channel: 3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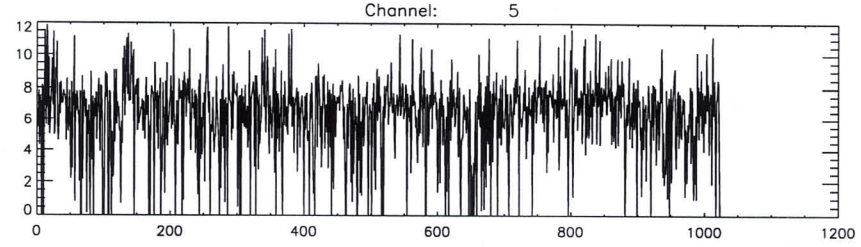
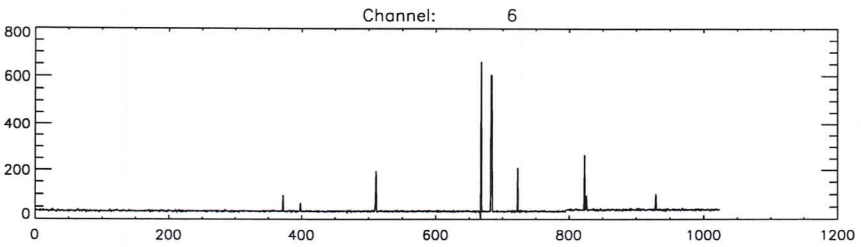
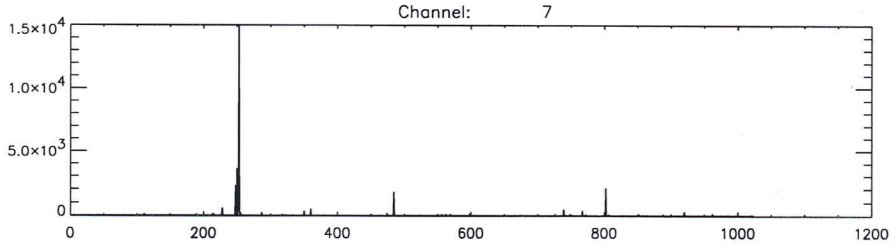
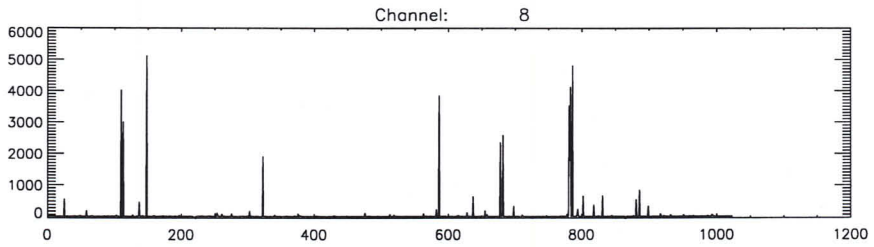
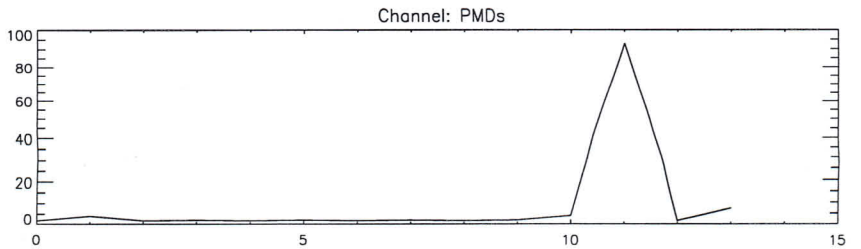
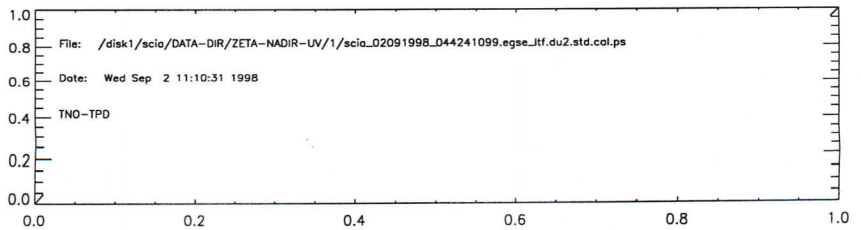

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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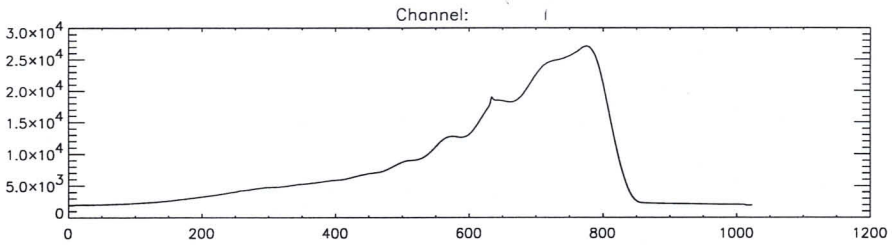
Date: Wed Sep 2 11:10:31 1998
TNO-TPD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2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
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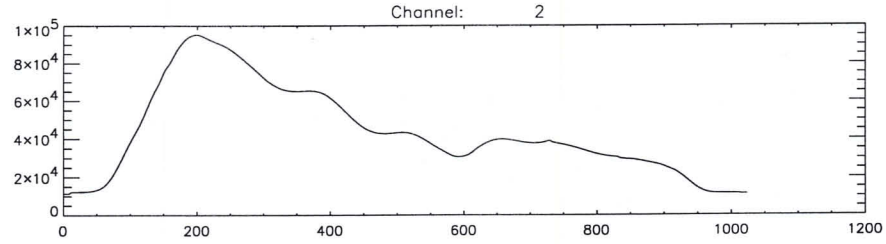
400
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
0
0
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600
800
1000
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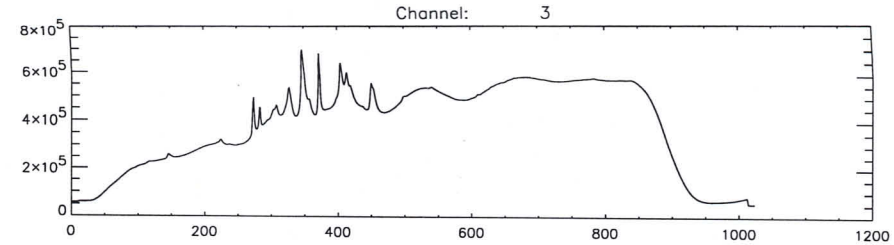
Channel: 3
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4x10^5
2x10^5
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600
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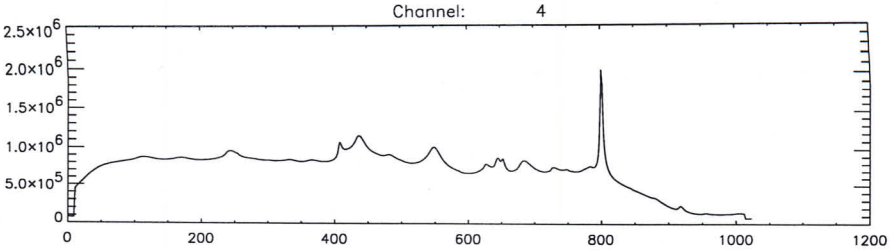
1000
1200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1.0x10^6
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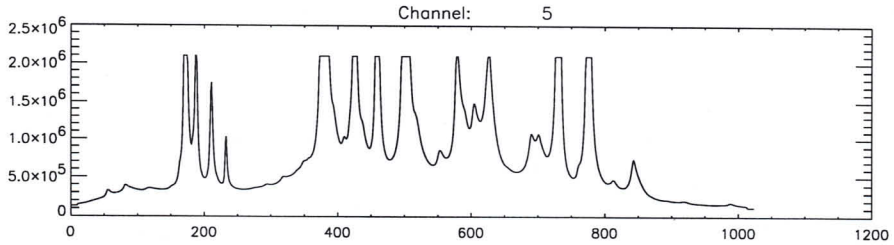
1000
1200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1.0x10^6
5.0x10^5
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1000
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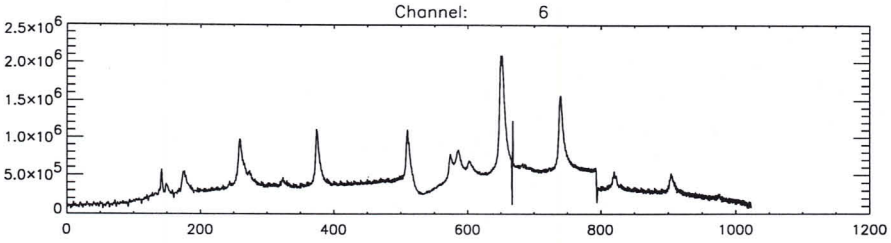
Channel: 6
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1.5x10^6
1.0x10^6
5.0x10^5
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600
800
1000
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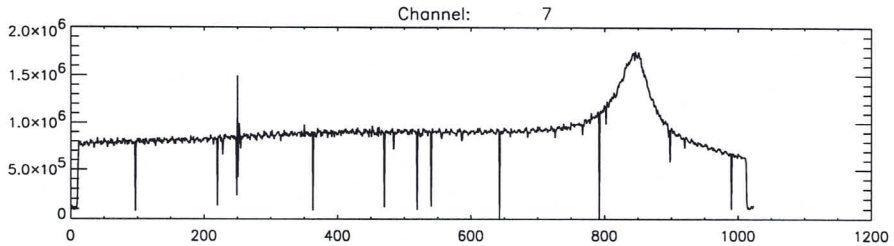
Channel: 7
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1.5x10^6
1.0x10^6
5.0x10^5
0
0
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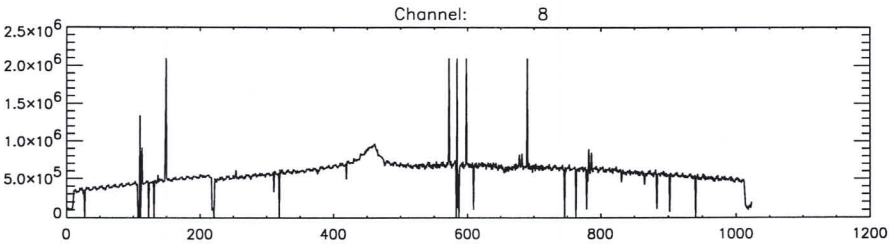
600
800
1000
1200


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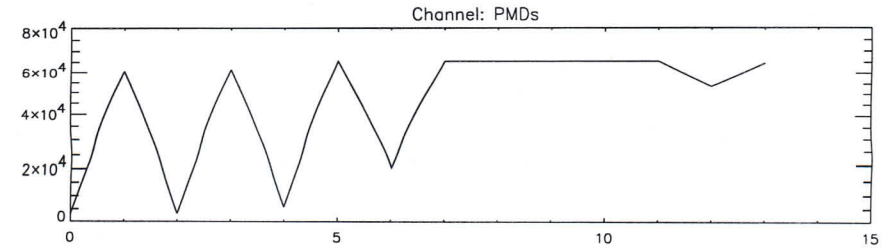
600
800
1000
1200


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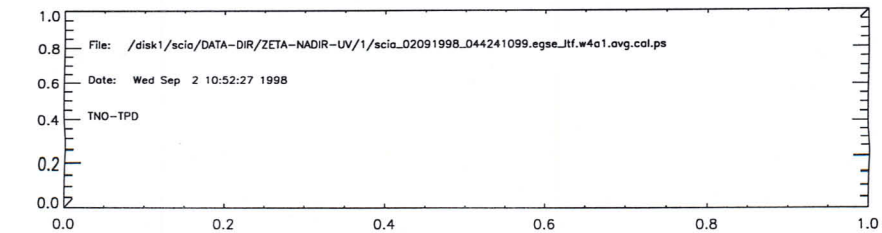
0
5
10
15


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a1.avg.cal.ps
Date: Wed Sep 2 10:52:27 1998
TNO-TPD
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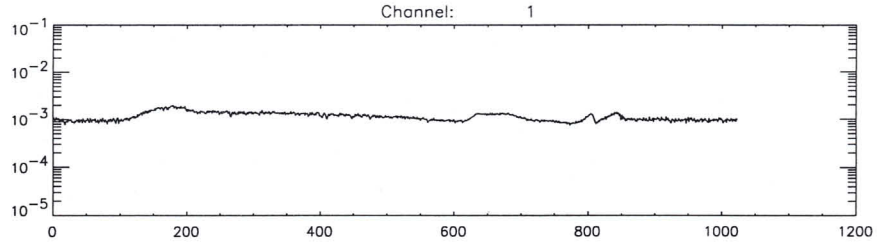
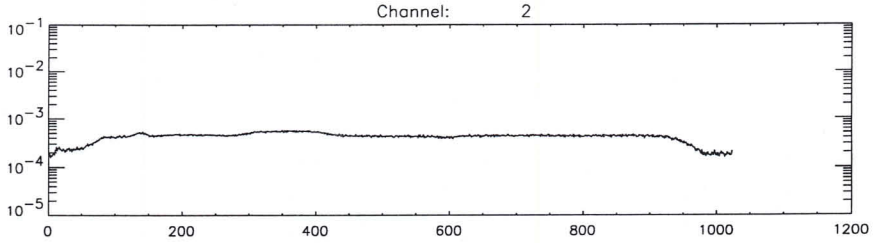
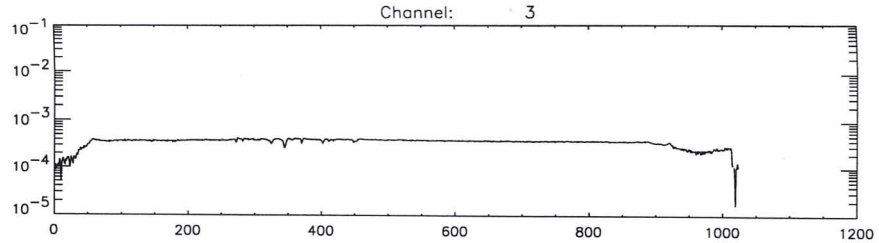
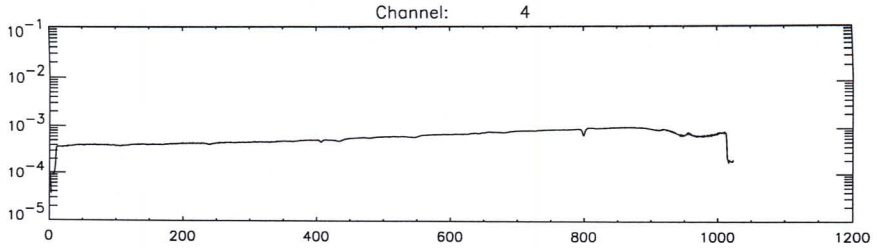
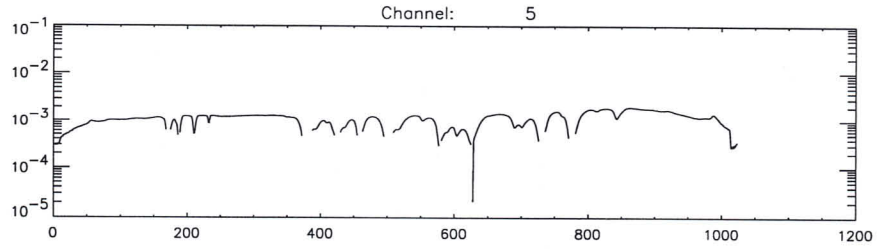
0.0
0.0
0.2
0.4
0.6
0.8
1.0

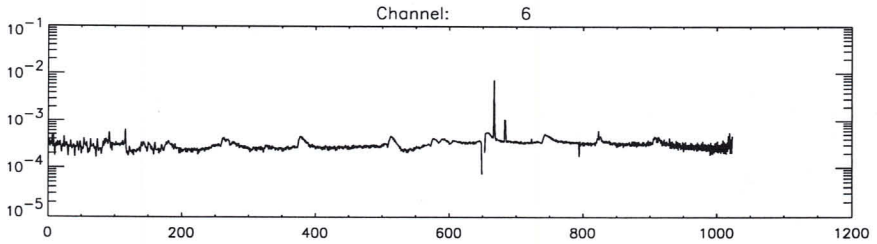

Channel: 1

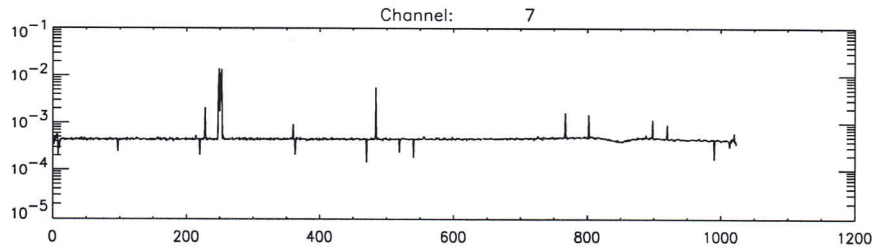

Channel: 2

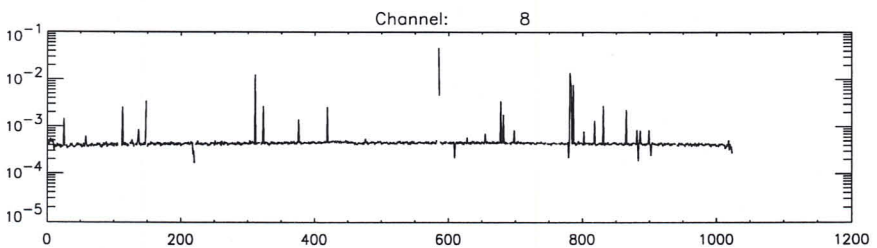

Channel: 3

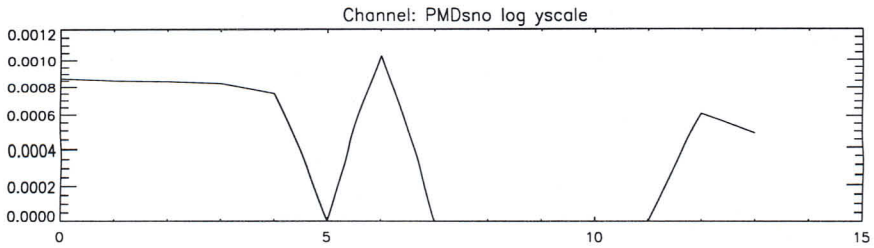

Channel: 4

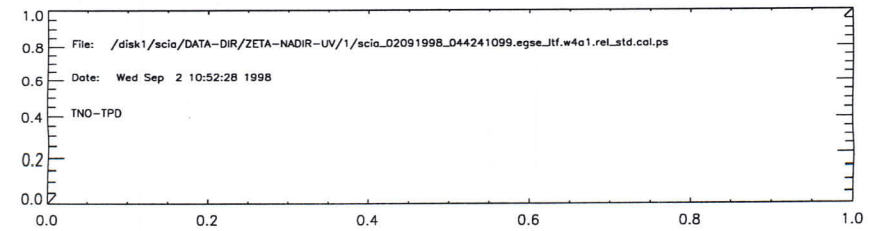

Channel: 5

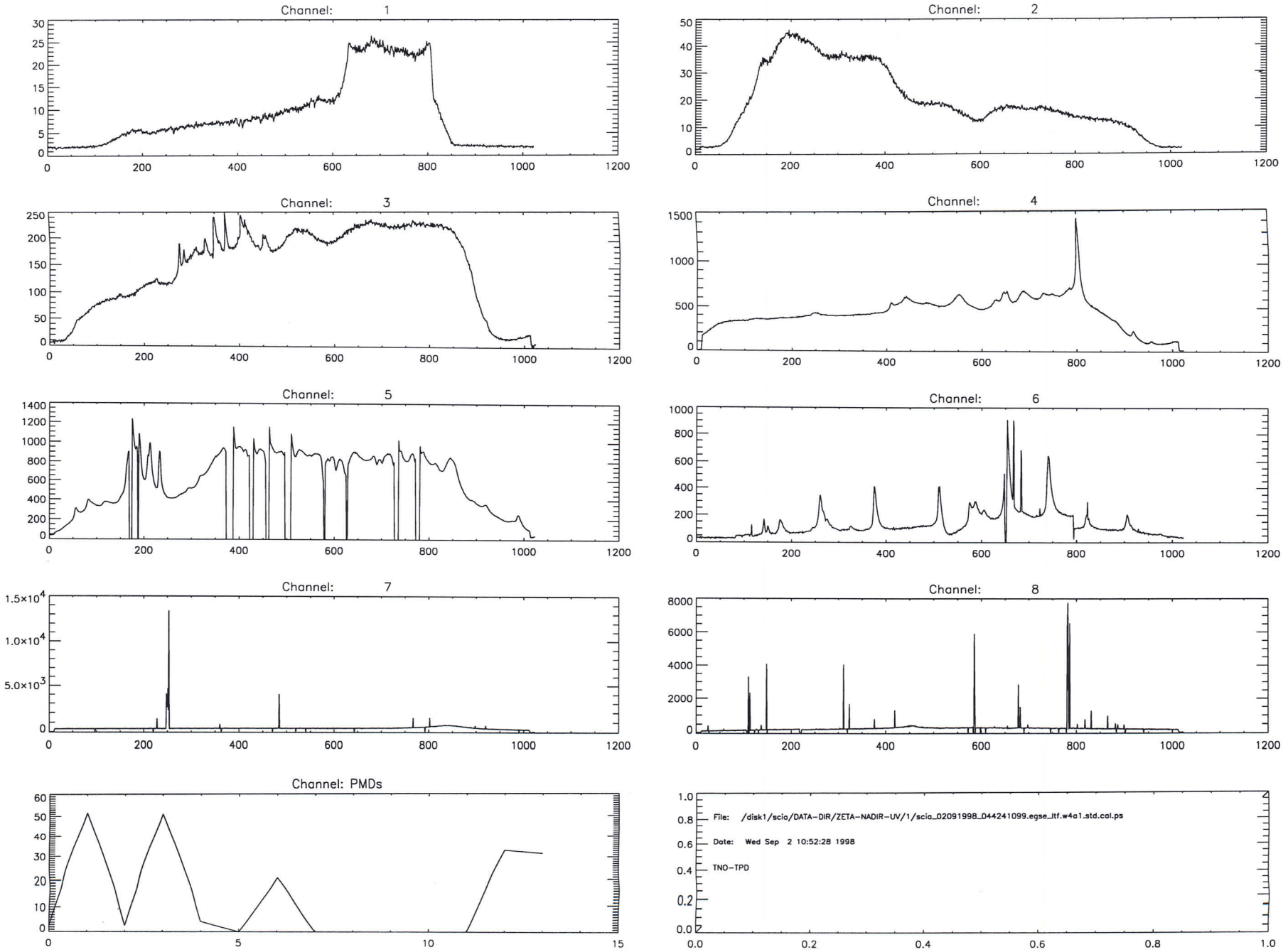

Channel: 6

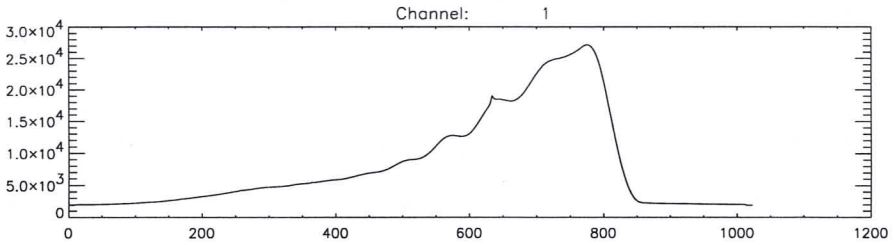

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a1.rel_std.cal.ps
Date: Wed Sep 2 10:52:28 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/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_itf.w4a1.std.col.ps
Date: Wed Sep 2 10:52:28 1998
TNO-TPD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2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
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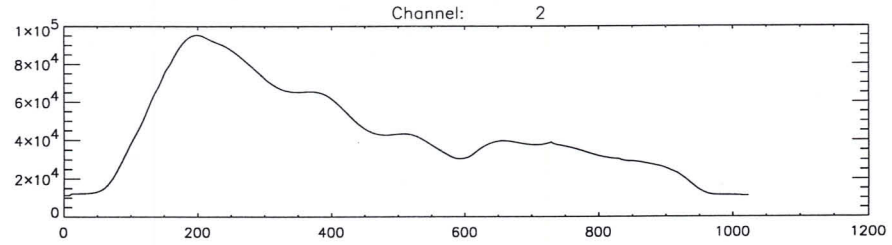
600
800
1000
1200


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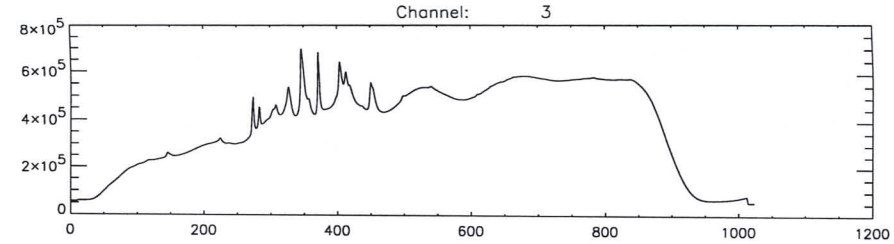
400
600
800
1000
1200


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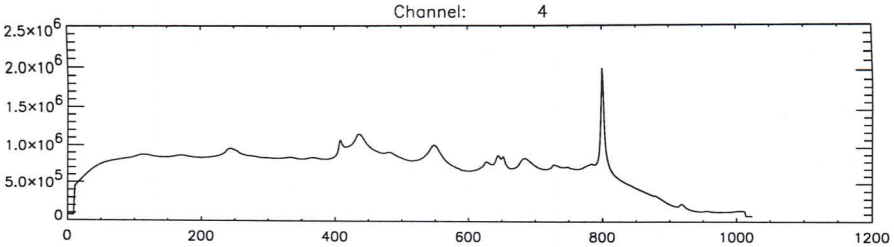
600
800
1000
1200


Channel: 4
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2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
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800
1000
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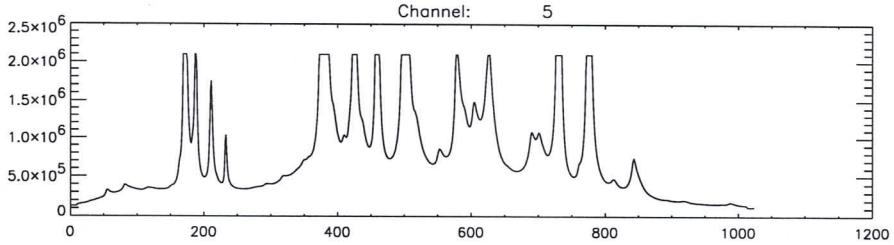
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1.0x10^6
5.0x10^5
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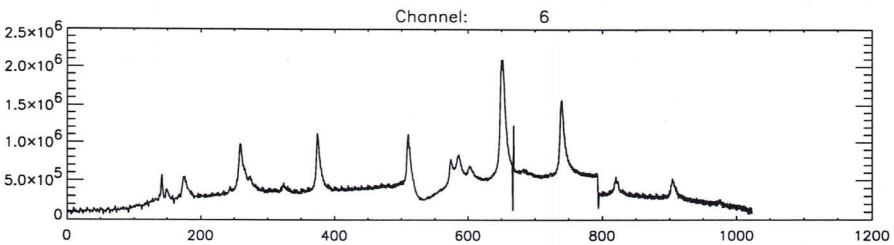
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1.0x10^6
5.0x10^5
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1000
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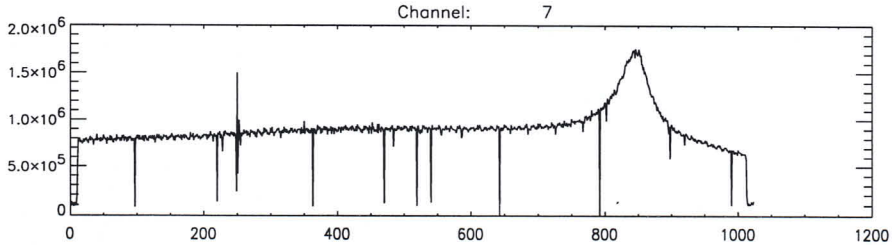
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1.0x10^6
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1000
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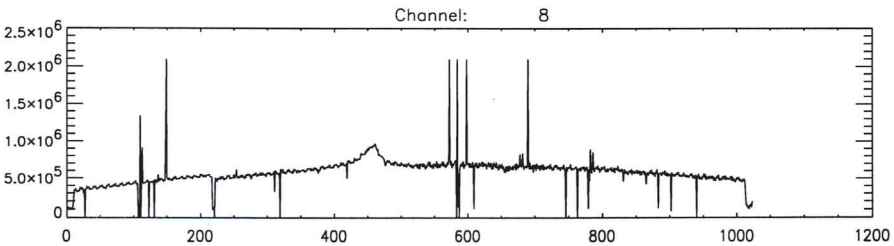
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1.0x10^6
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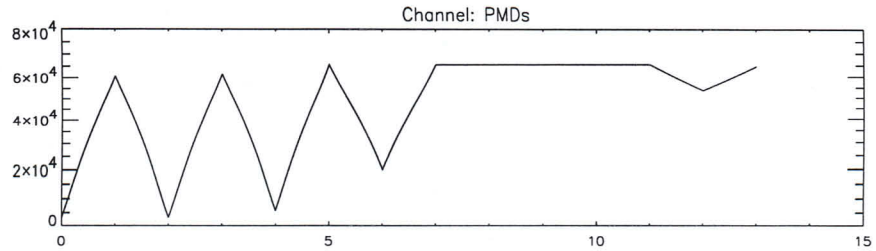
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2x10^4
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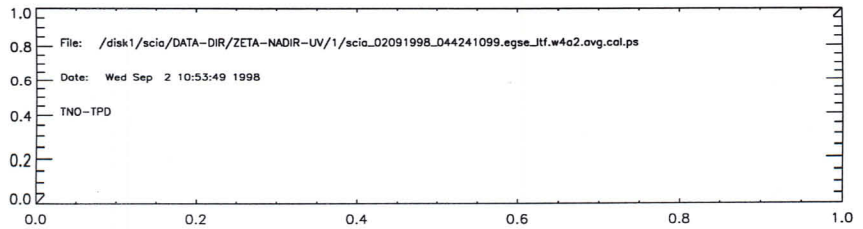
0
5
10
15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0.4
0.2
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Date: Wed Sep 2 10:53:49 1998
TNO-TPD
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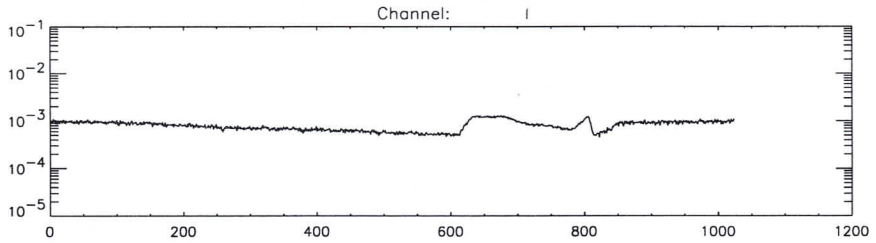
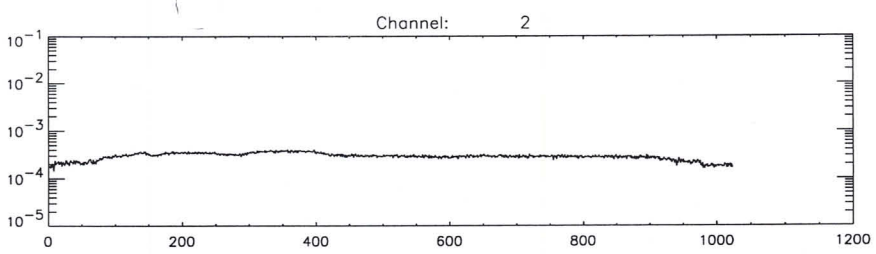
0.2
0.4
0.6
0.8
1.0


Channel: 1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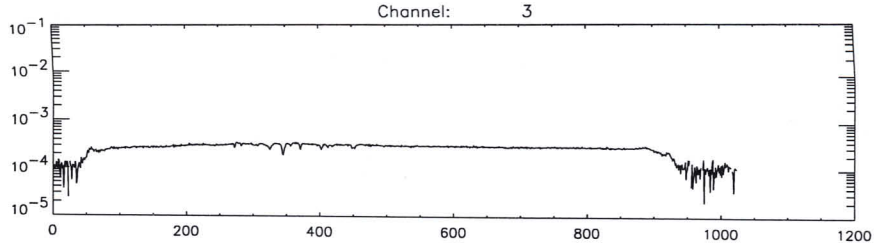
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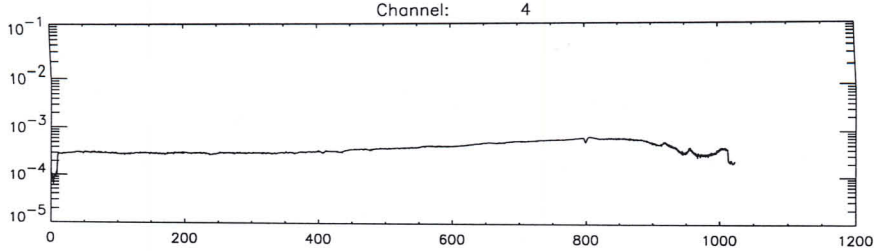
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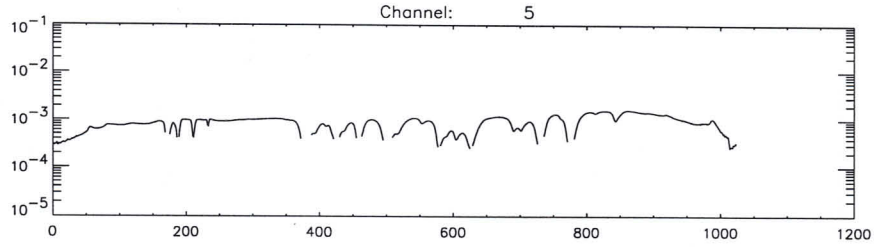
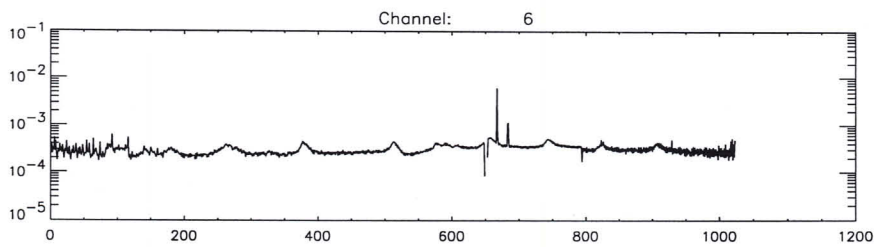
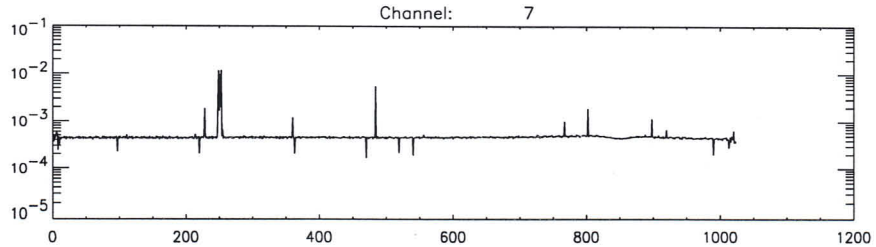
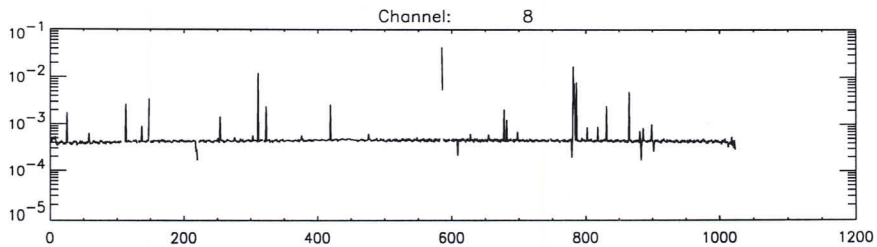
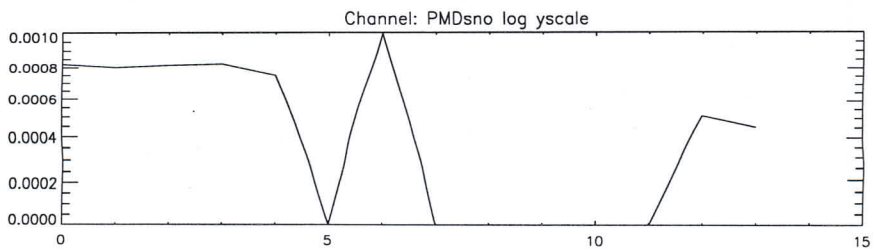
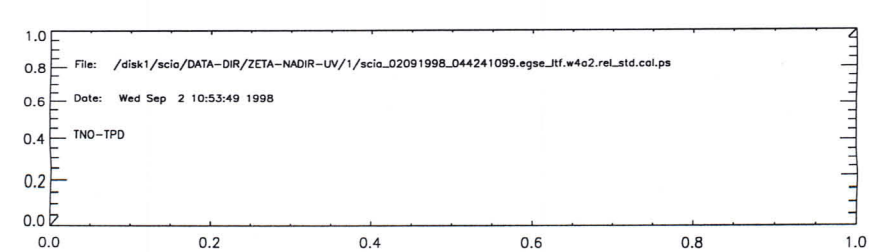

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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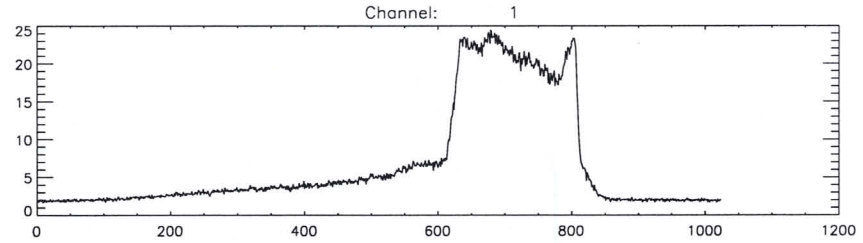
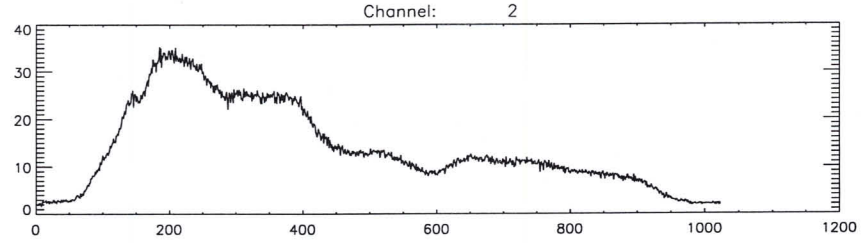
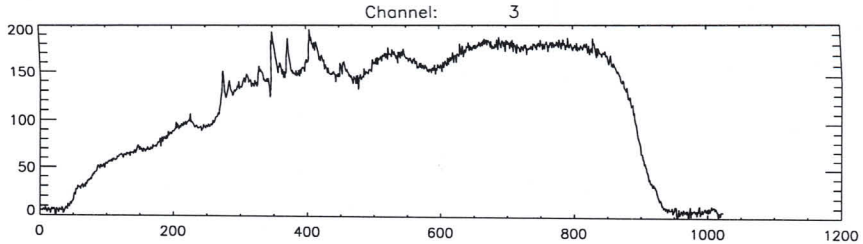
Date: Wed Sep 2 10:53:49 1998
TNO-TPD


Channel: 1


Channel: 2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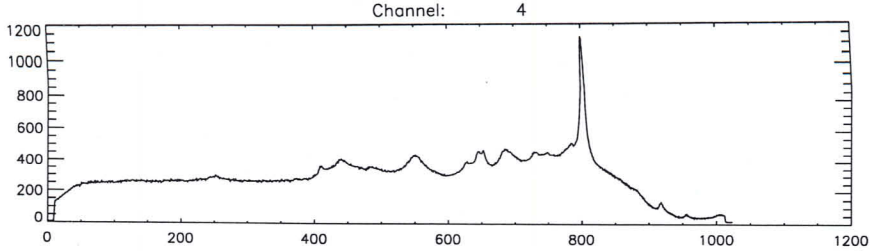
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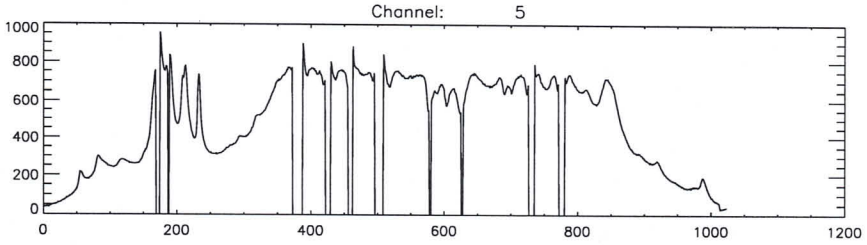
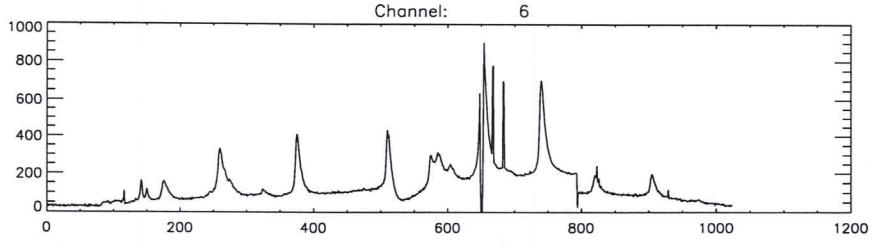
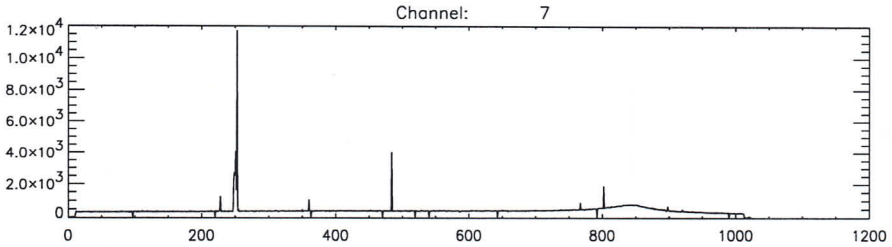

Channel: 5


Channel: 6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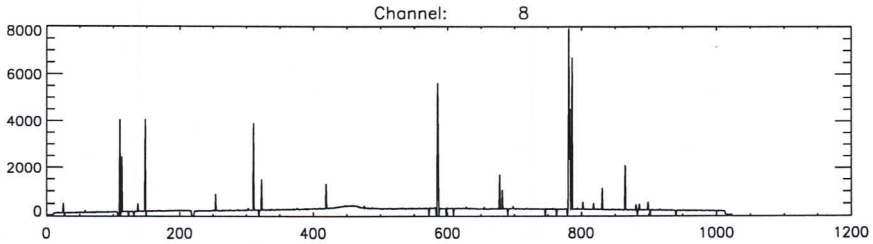
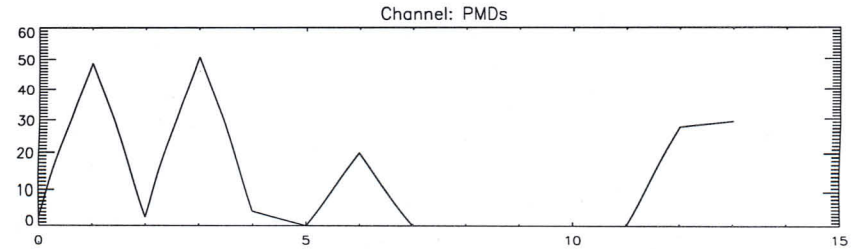
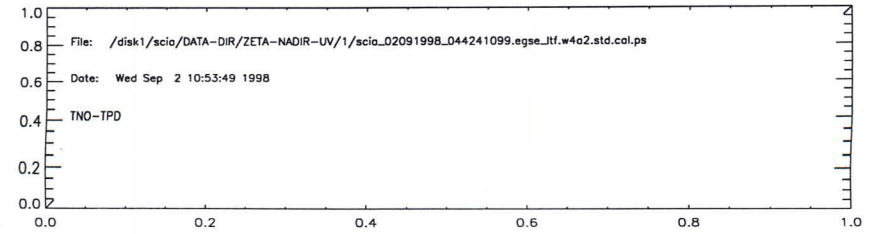

Channel: 8


Channel: PMDs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Date: Wed Sep 2 10:53:49 1998
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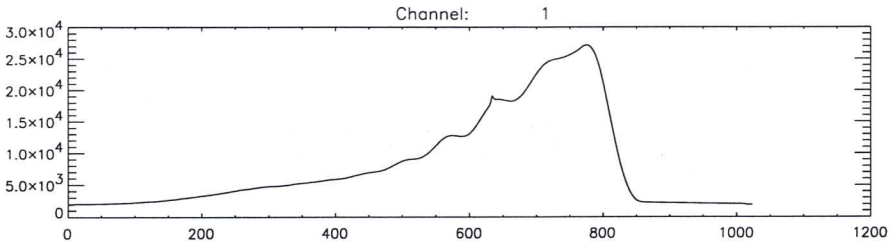
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2.5x10^4
2.0x10^4
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1.0x10^4
5.0x10^3
0
0
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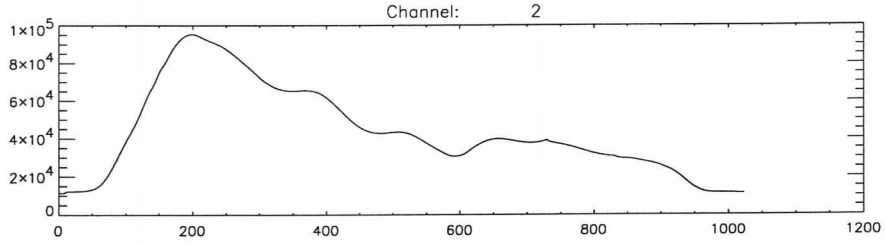
400
600
800
1000
1200


Channel: 2
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4x10^4
2x10^4
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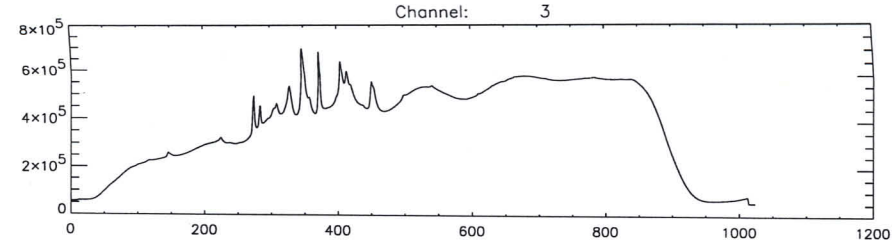
Channel: 3
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4x10^5
2x10^5
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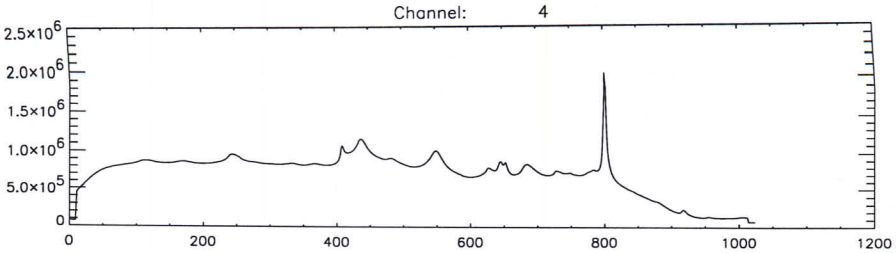
Channel: 4
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1.5x10^6
1.0x10^6
5.0x10^5
0
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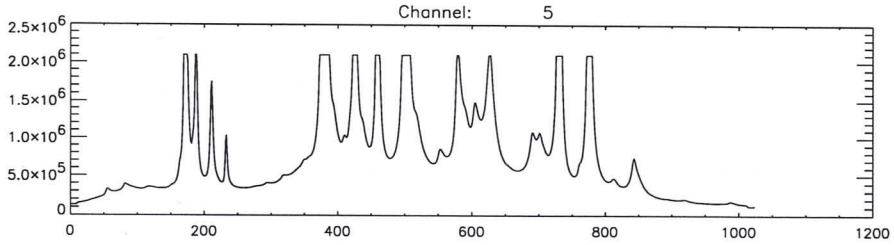
1000
1200


Channel: 5
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1.0x10^6
5.0x10^5
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1000
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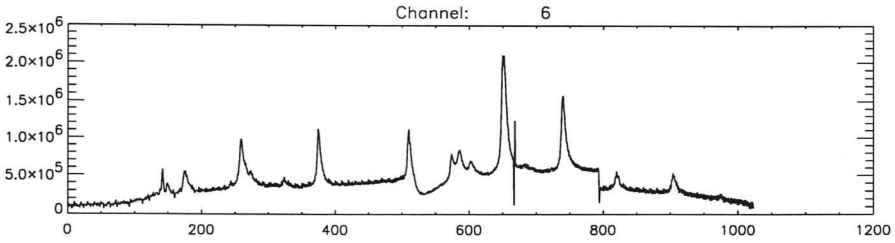
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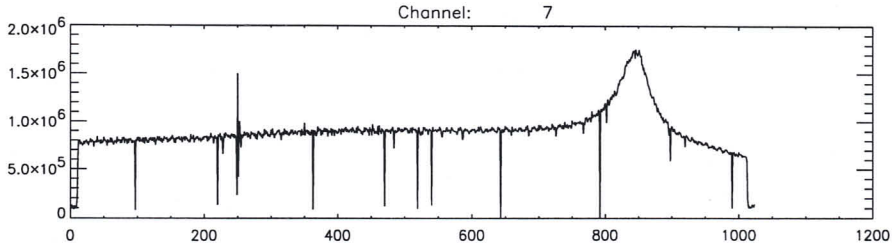
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1000
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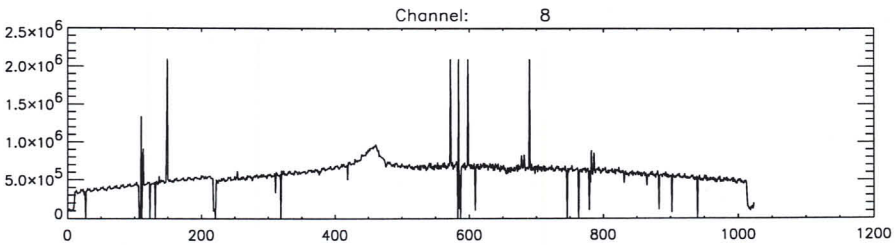
Channel: 8
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1.5x10^6
1.0x10^6
5.0x10^5
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1000
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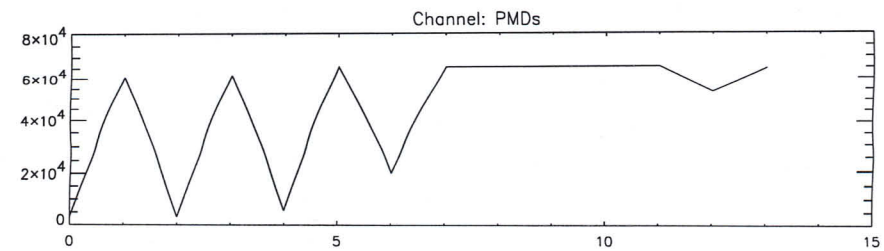
Channel: PMDs
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4x10^4
2x10^4
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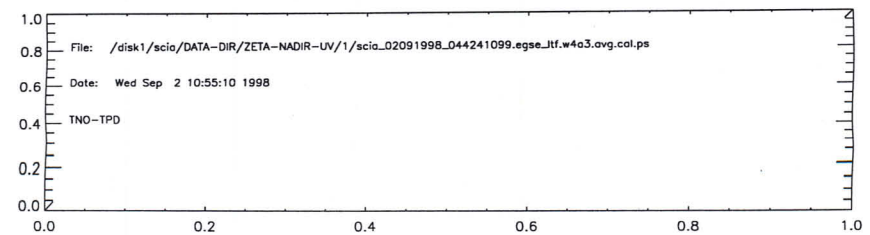
0
5
10
15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Date: Wed Sep 2 10:55:10 1998
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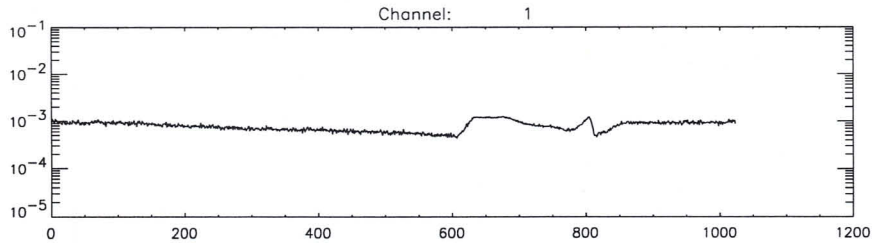
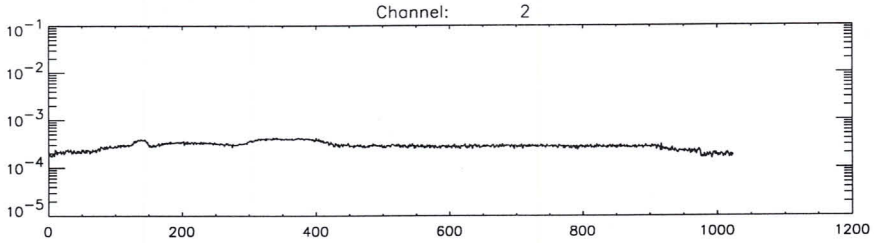
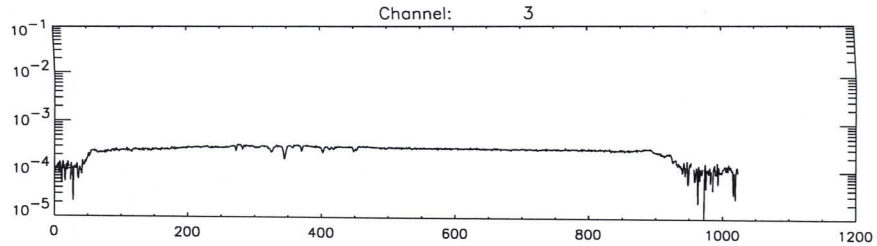
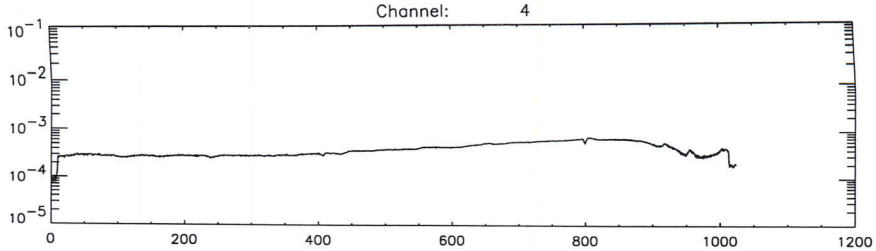
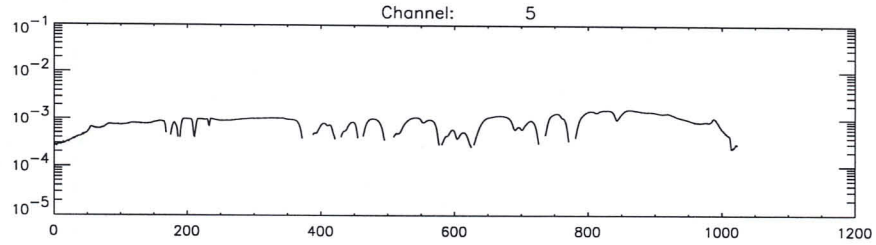
1.0


Channel: 1


Channel: 2


Channel: 3


Channel: 4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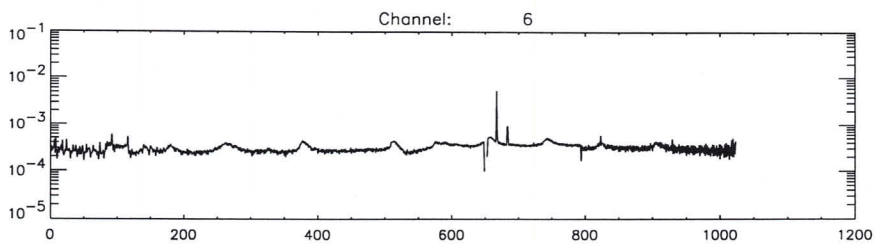
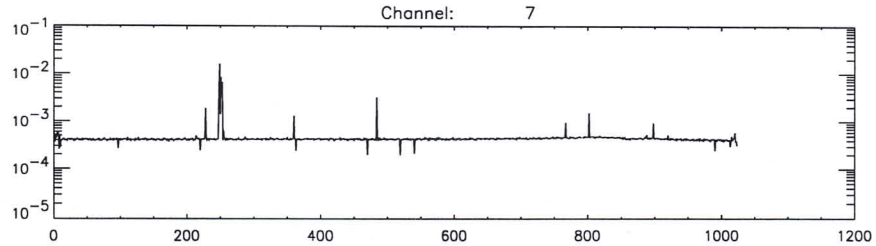
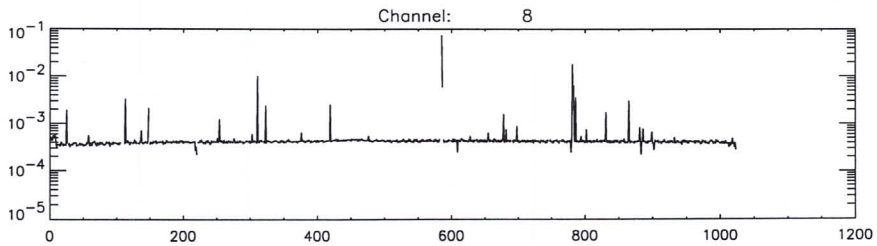
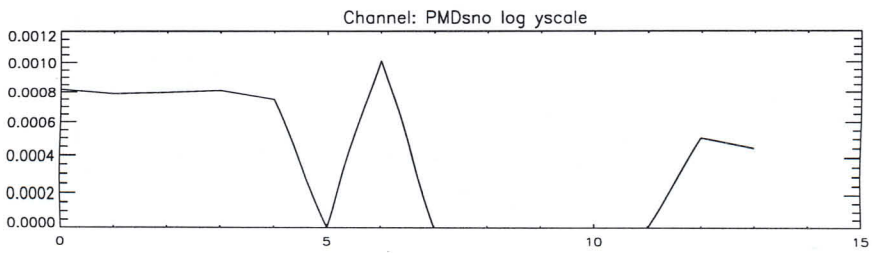

Channel: 6


Channel: 7


Channel: 8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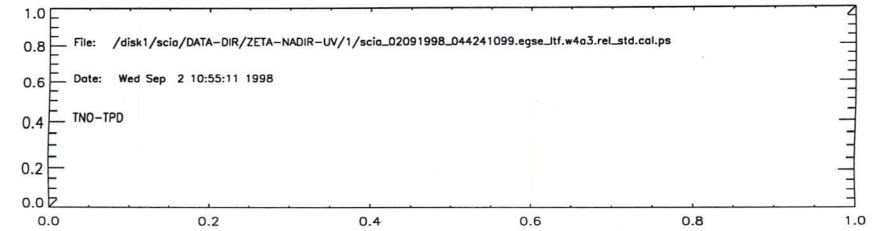
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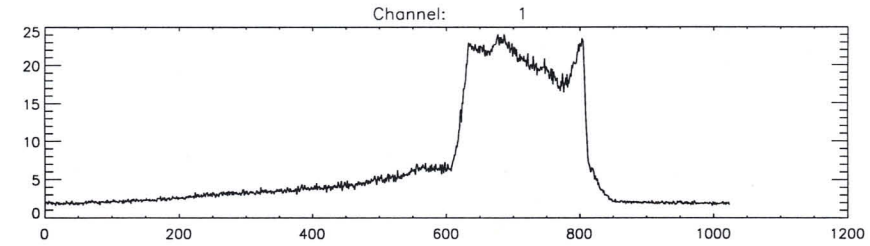
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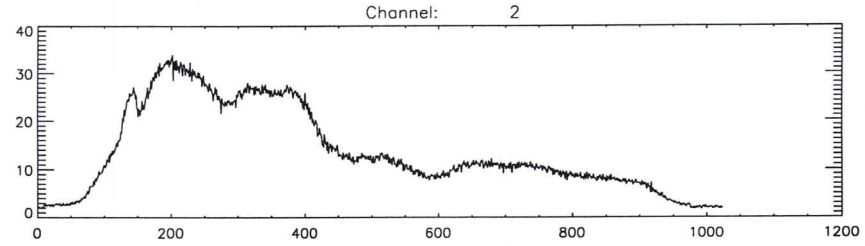
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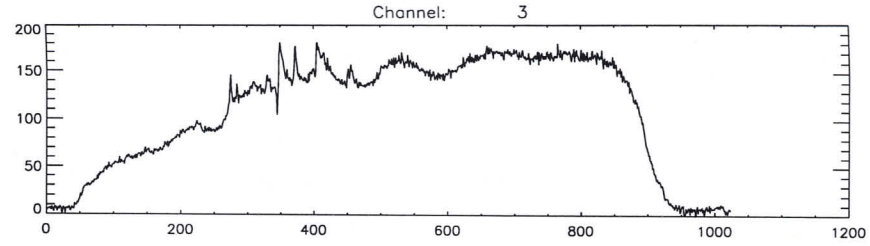
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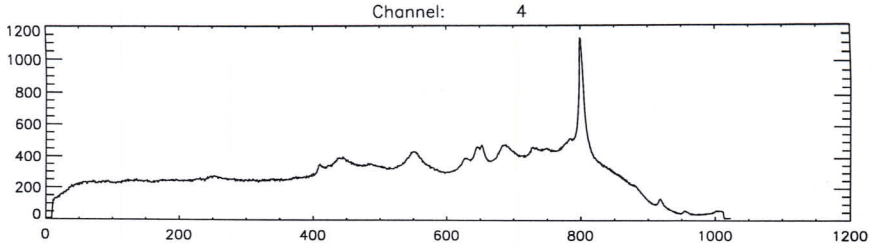
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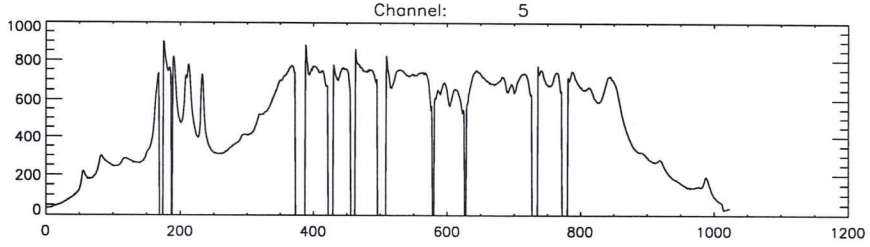
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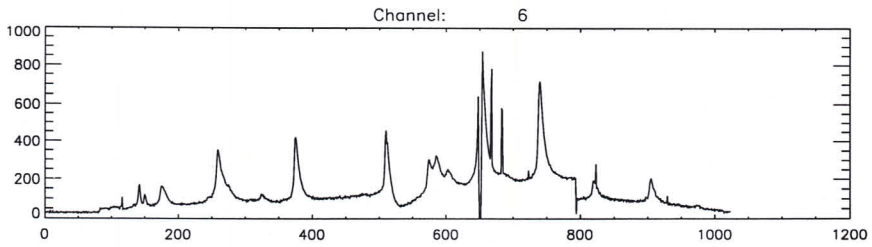
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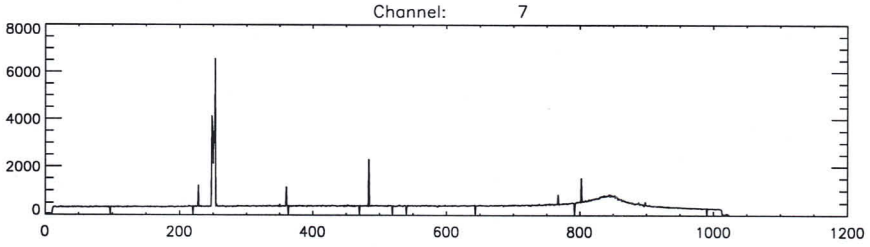
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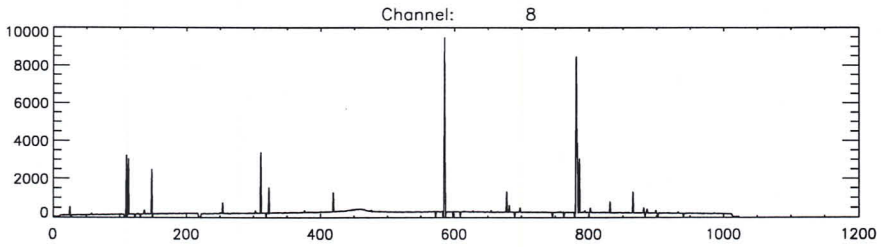
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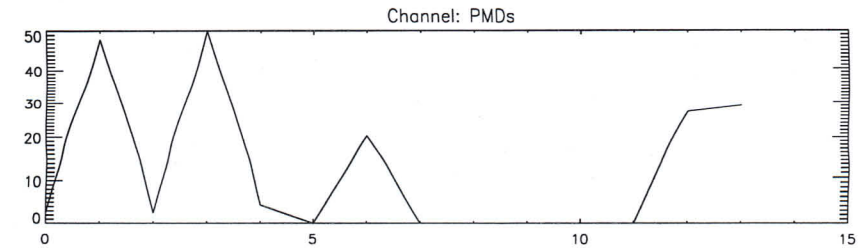
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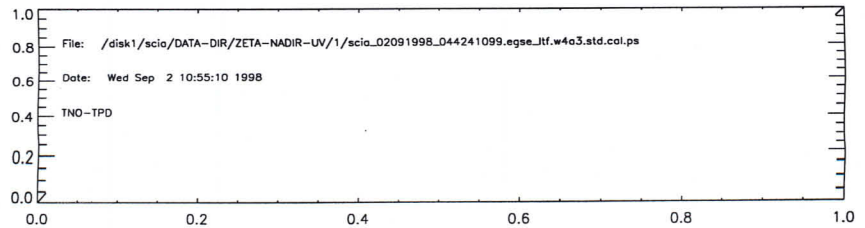
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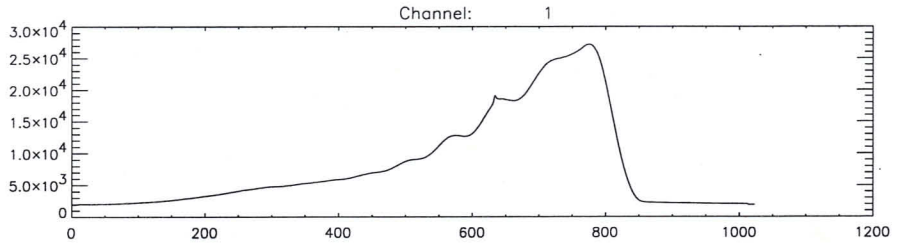
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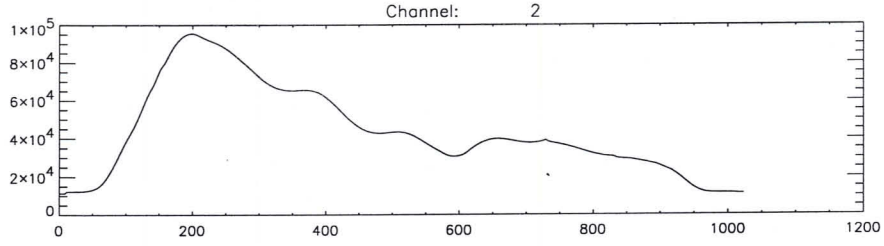
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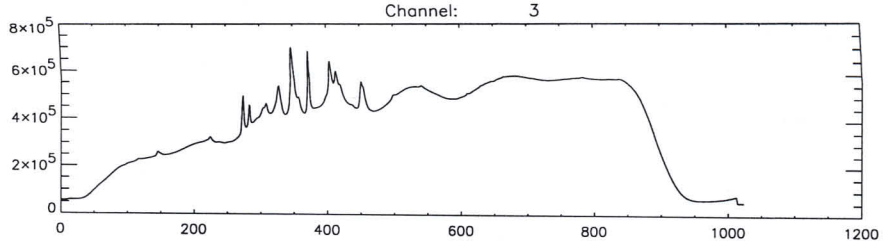
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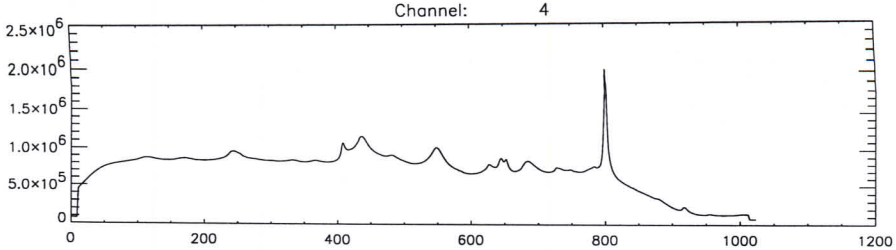
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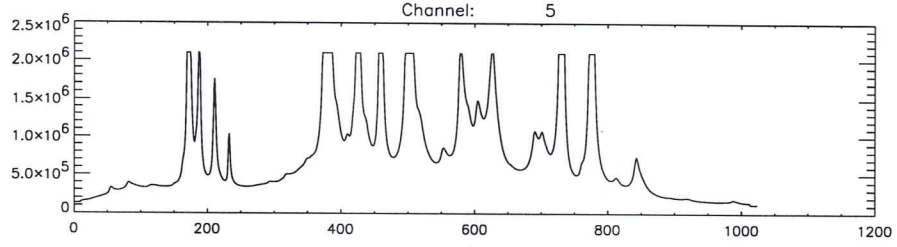
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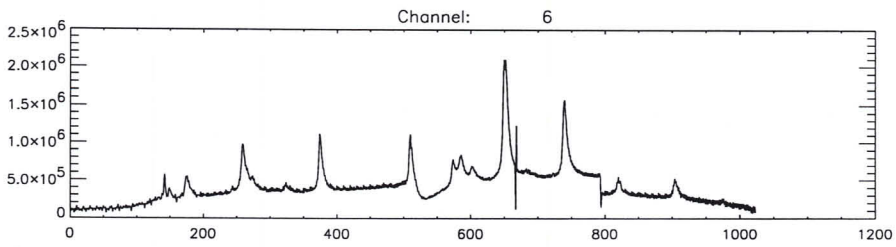
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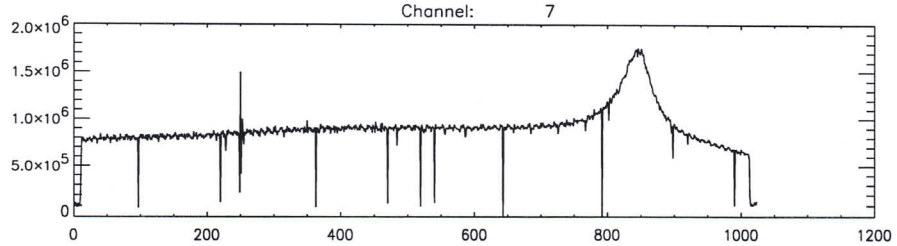
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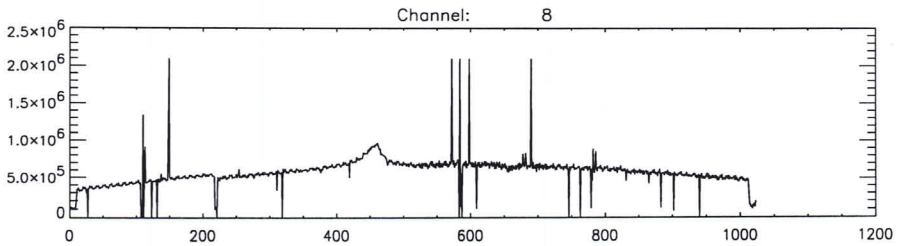
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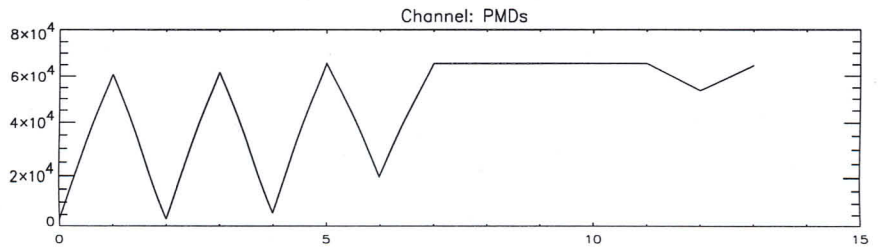
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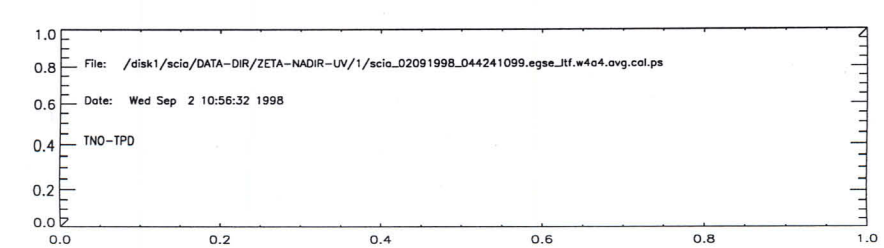
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Date: Wed Sep 2 10:56:32 1998
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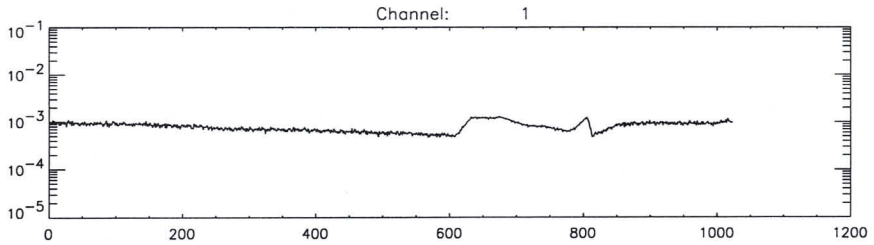
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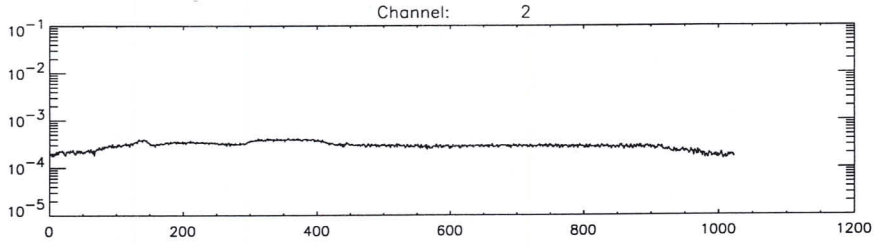
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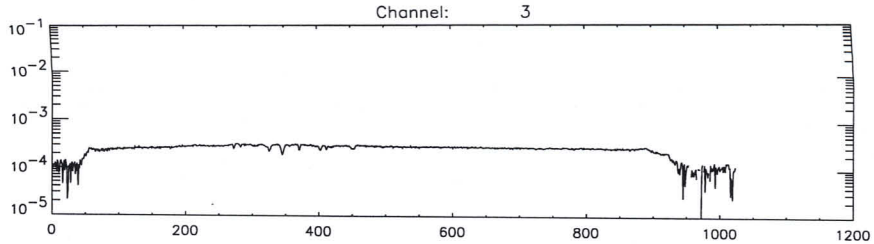
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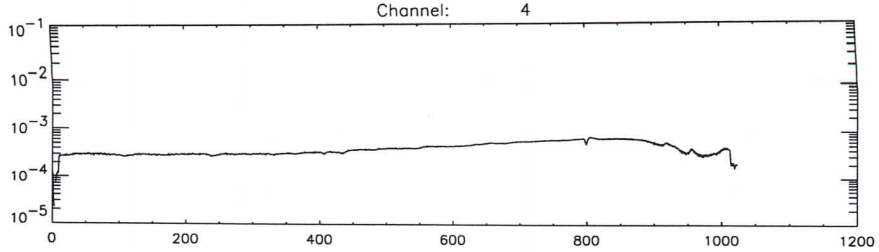
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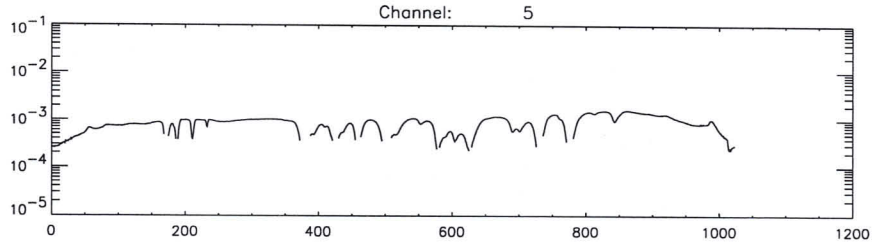
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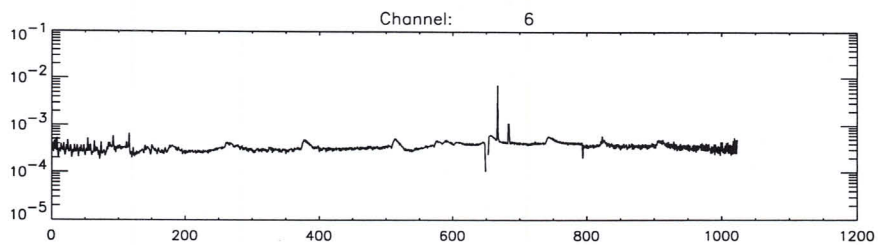
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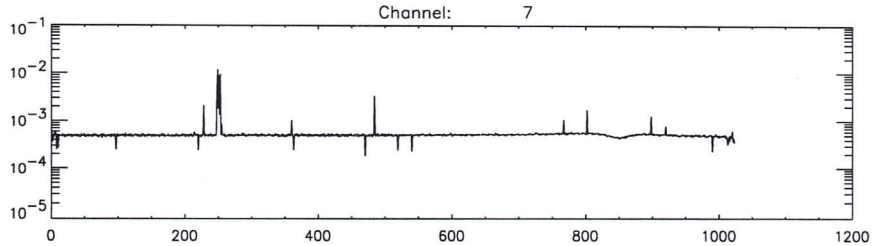
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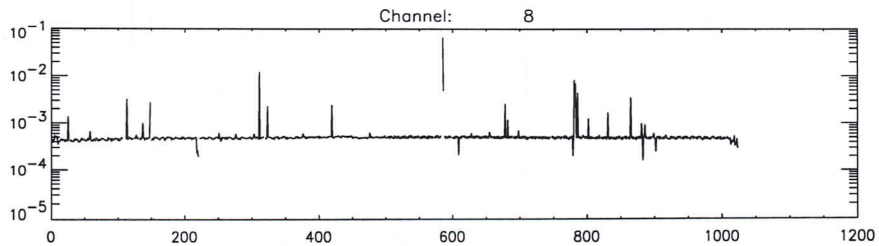
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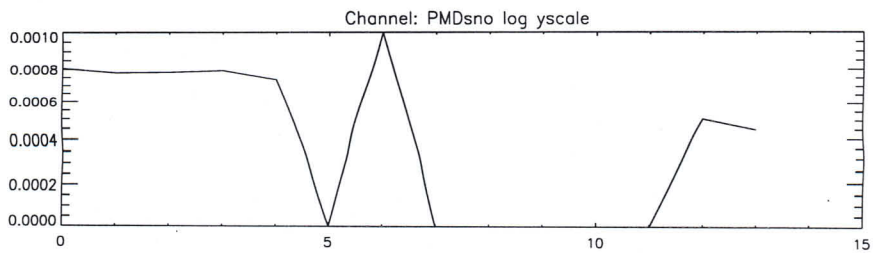
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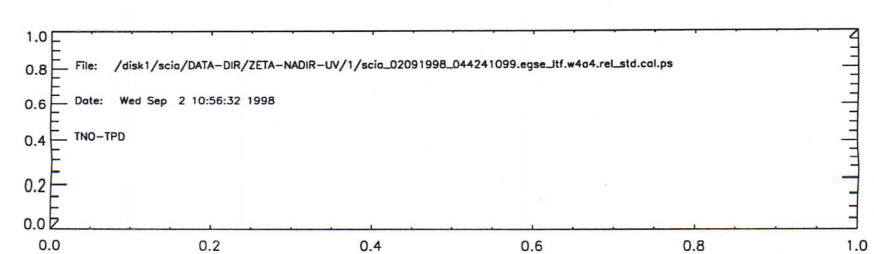
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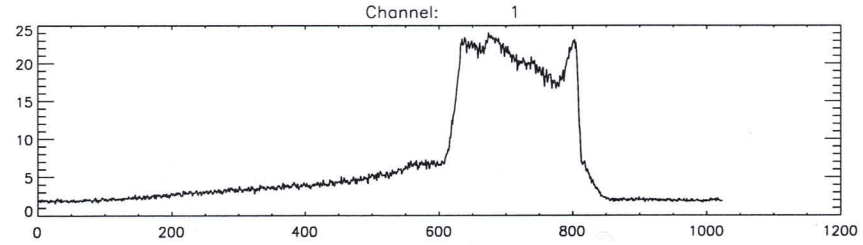
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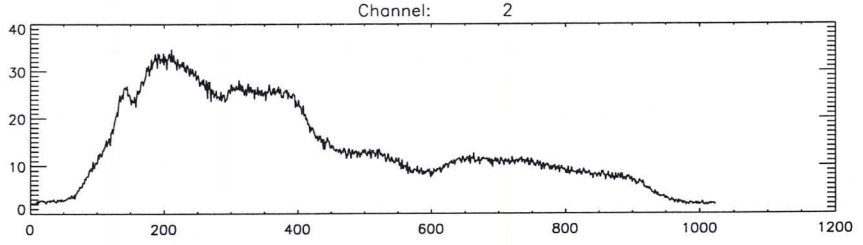
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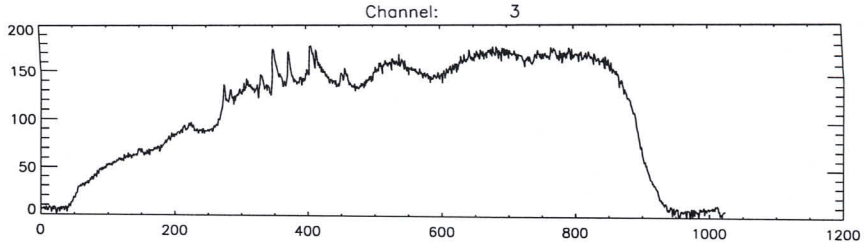
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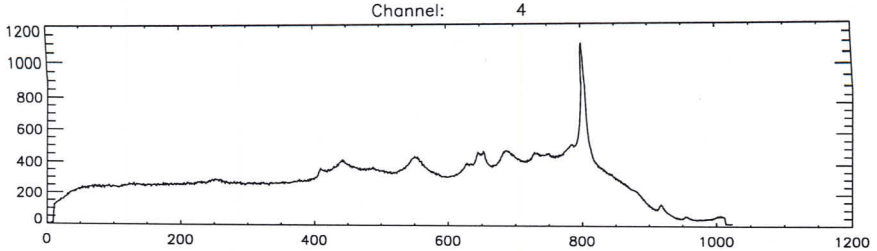
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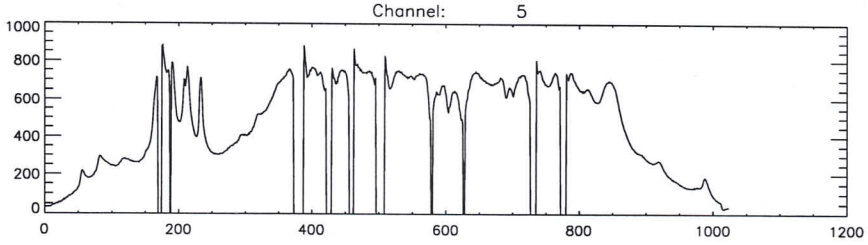
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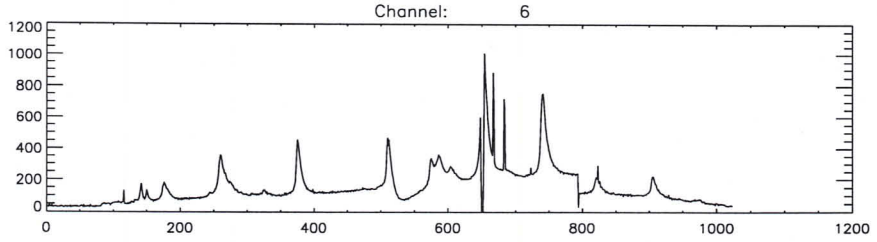
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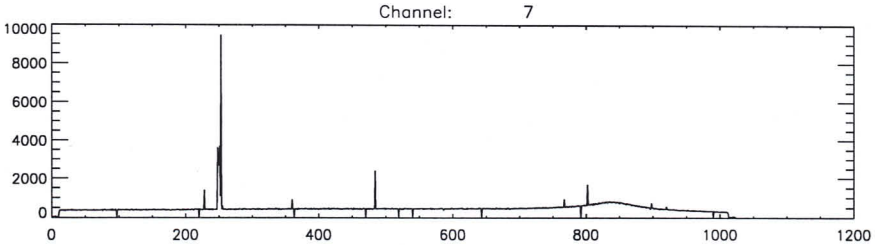
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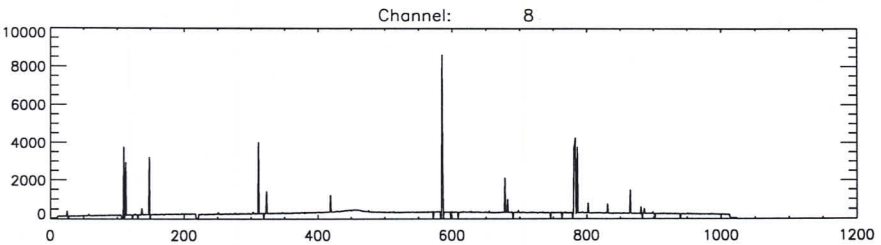
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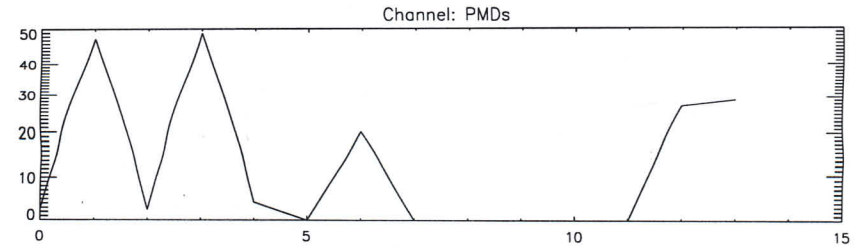
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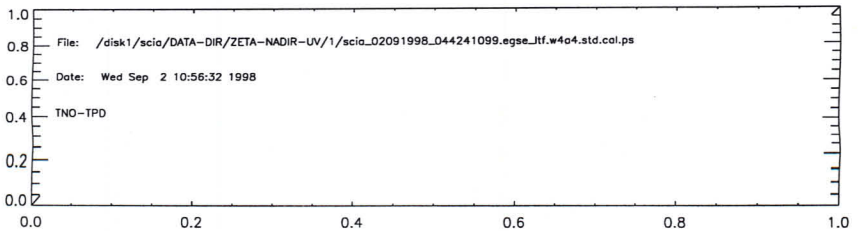
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Date: Wed Sep 2 10:56:32 1998
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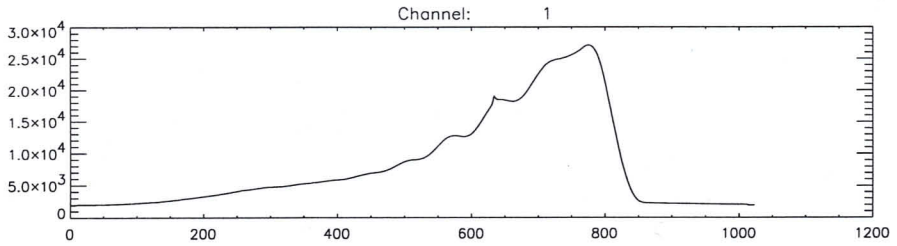
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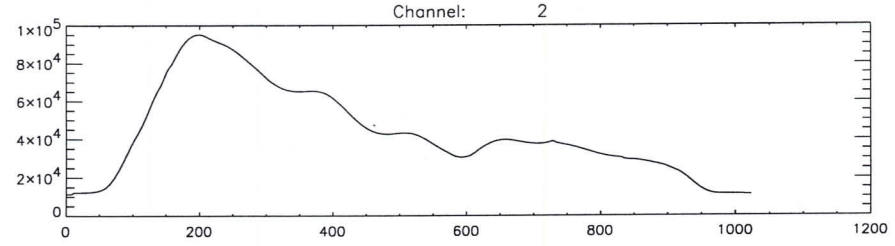
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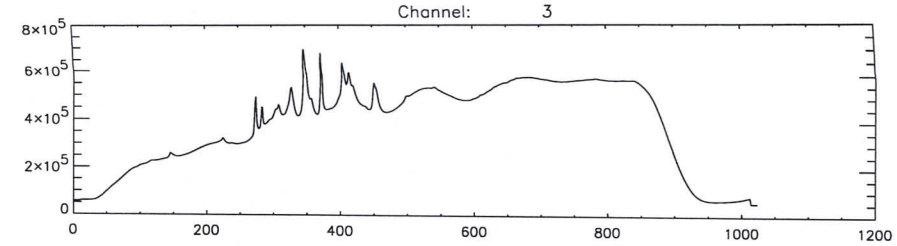
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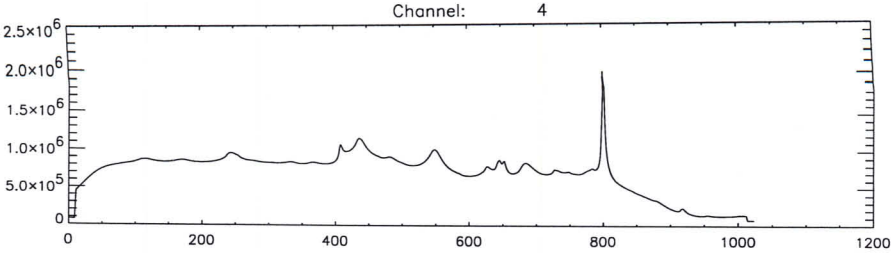
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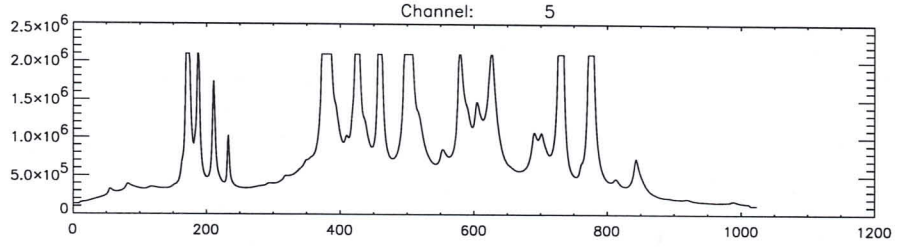
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1000
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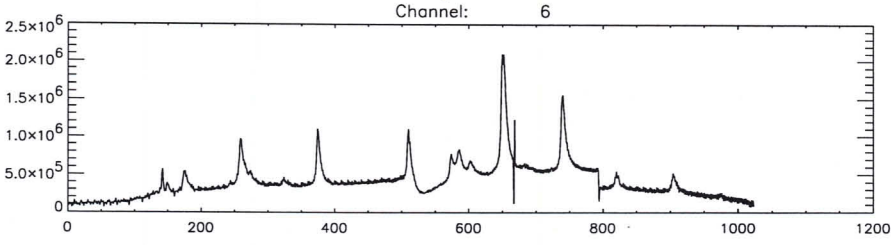
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5.0x10^5
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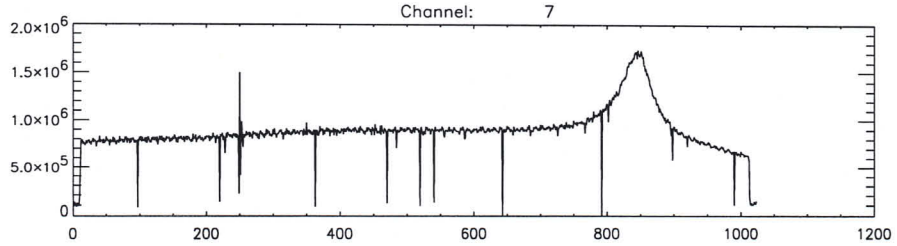
1000
1200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1.0x10^6
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1000
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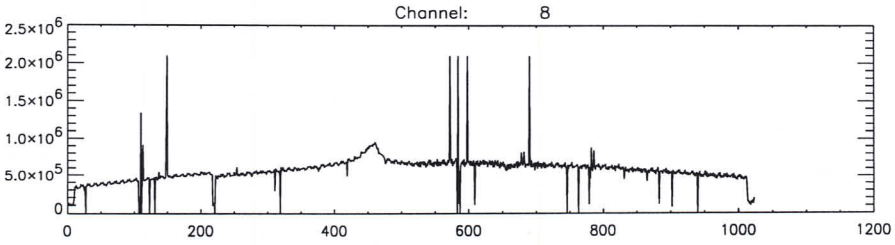
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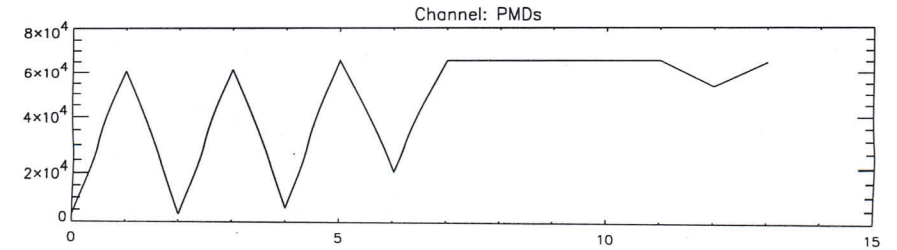
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4x10^4
2x10^4
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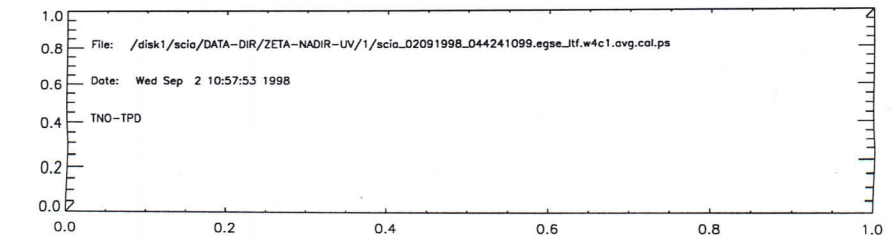
0
5
10
15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Date: Wed Sep 2 10:57:53 1998
TNO-TPD
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0.6
0.4
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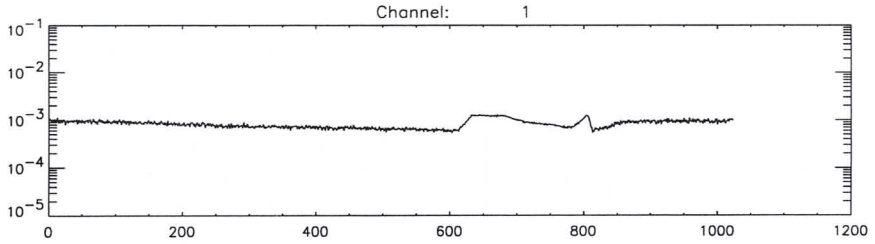
0.2
0.4
0.6
0.8
1.0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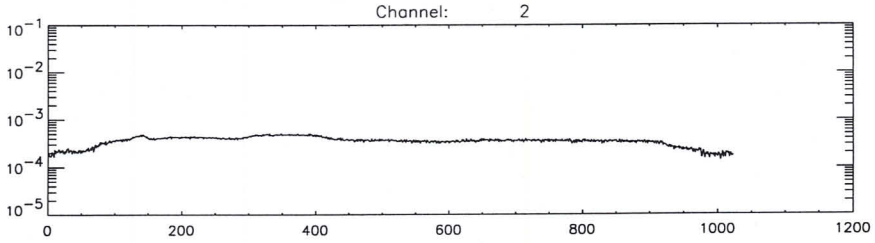
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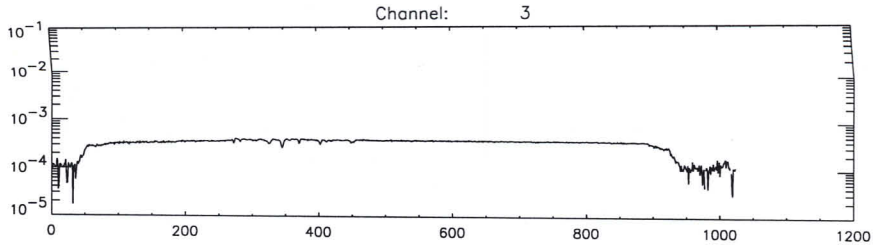
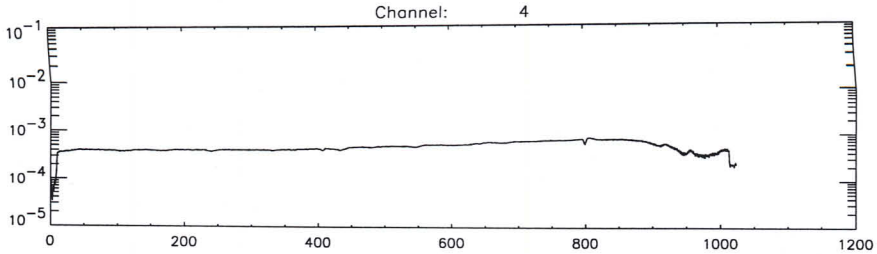
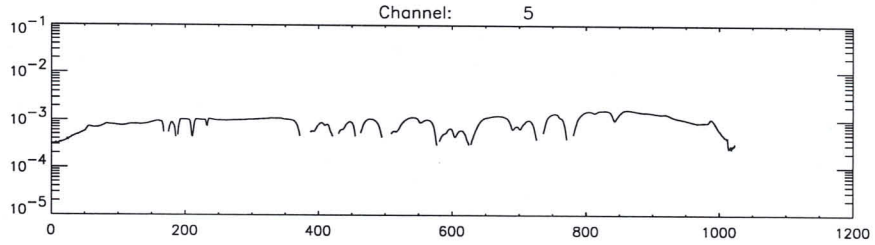
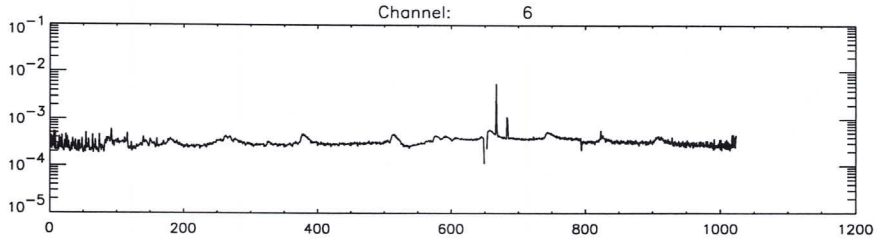
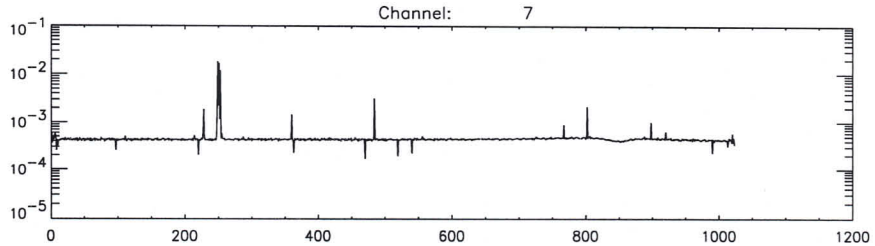
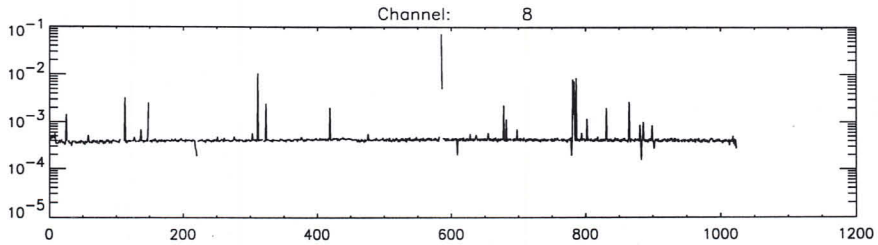

Channel: 3

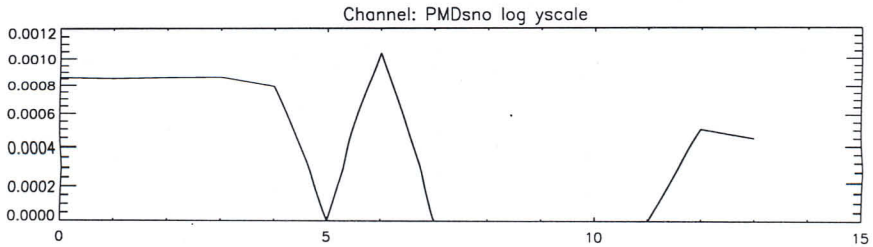

Channel: 4

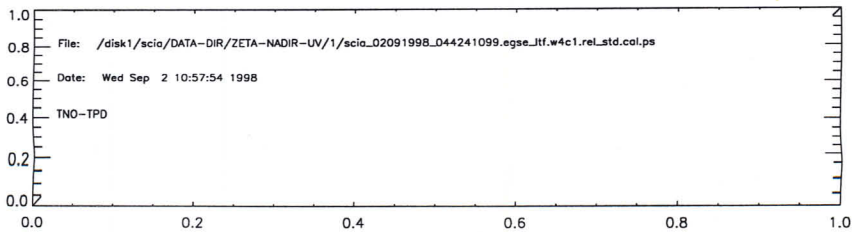

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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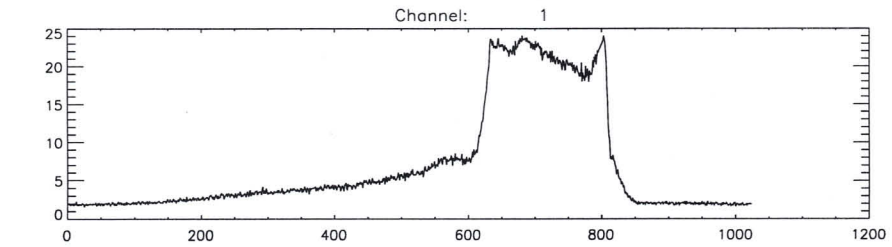
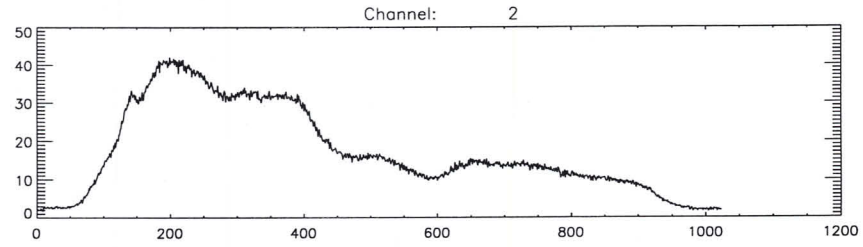
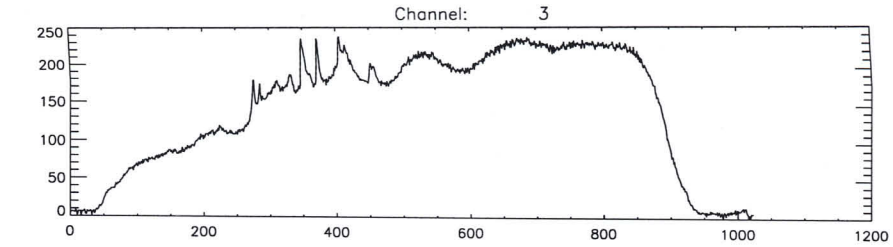
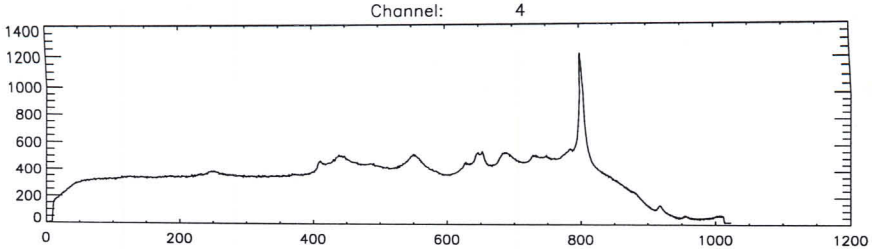
Date: Wed Sep 2 10:57:54 1998
TNO-TPD


Channel: 1


Channel: 2


Channel: 3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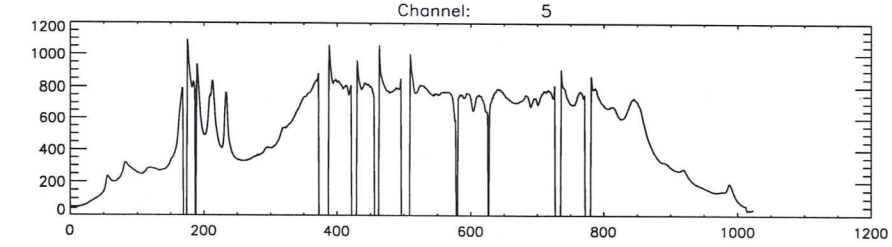
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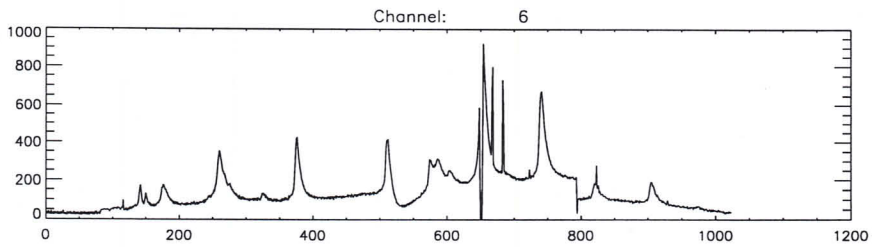
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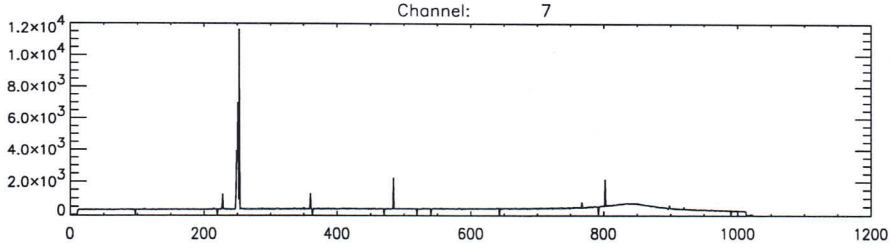
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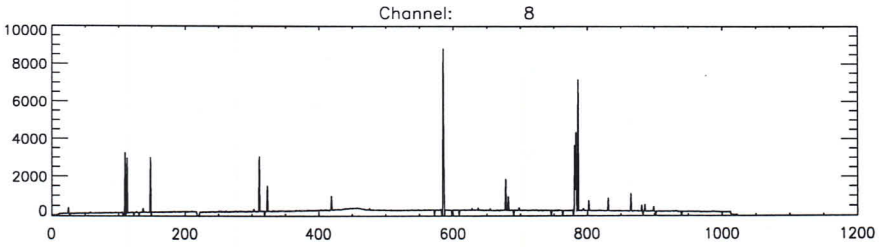
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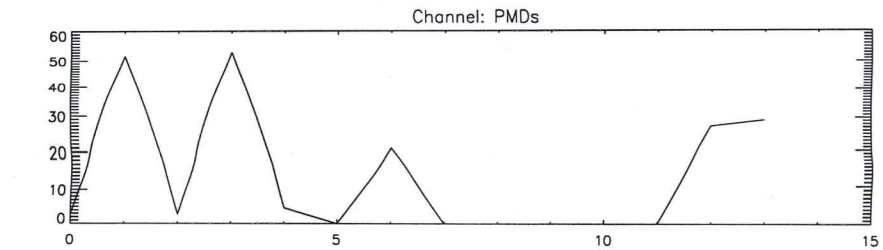
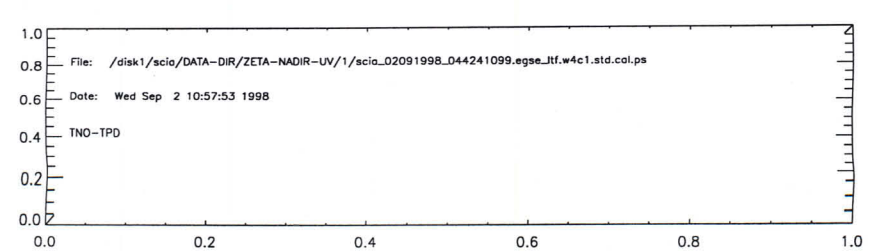

Channel: PMDs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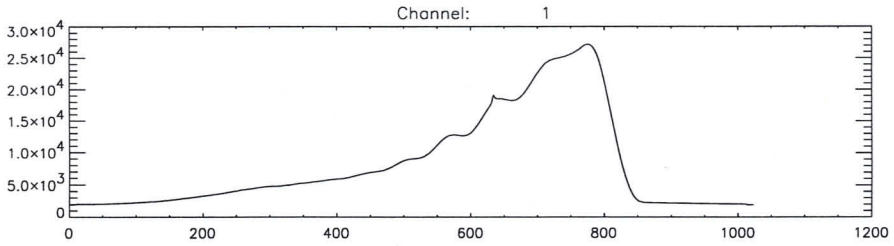
Date: Wed Sep 2 10:57:53 1998
TNO-TPD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2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
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1000
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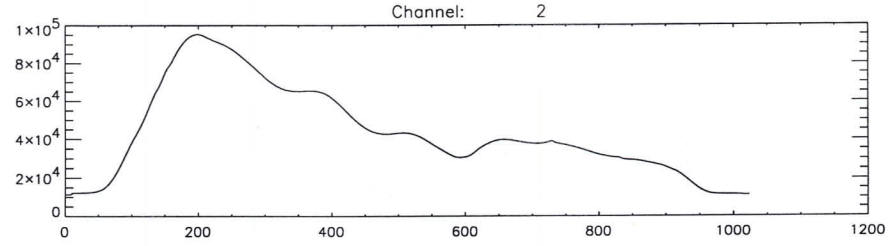
Channel: 2
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4x10^4
2x10^4
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1000
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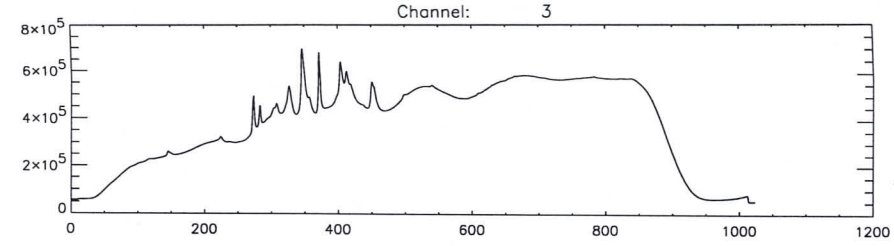
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2x10^5
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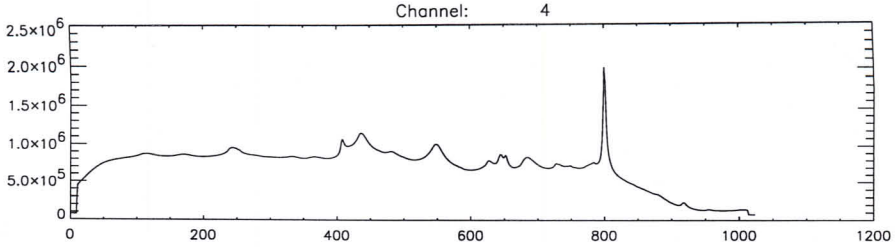
Channel: 4
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1.0x10^6
5.0x10^5
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1000
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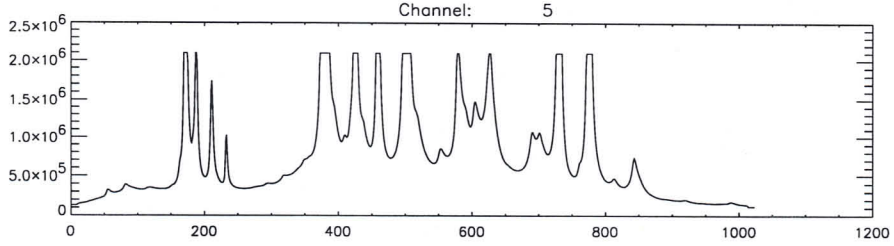
Channel: 5
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5.0x10^5
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600
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1000
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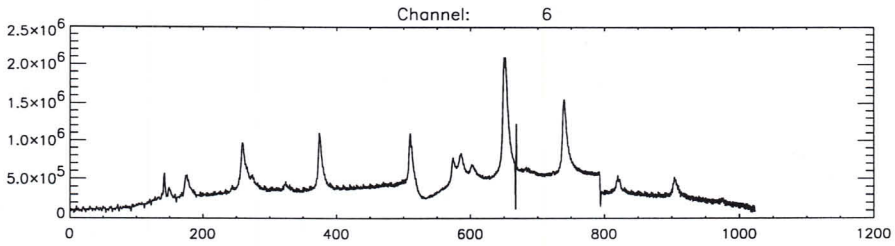
Channel: 6
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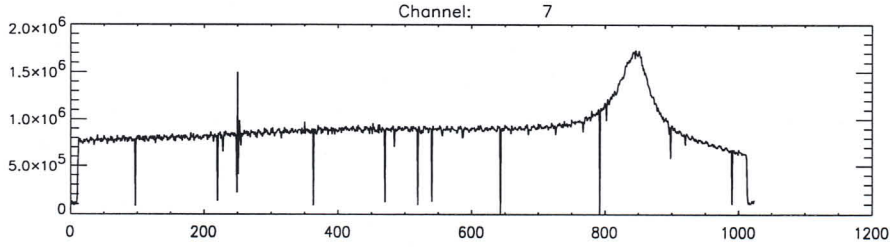
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1000
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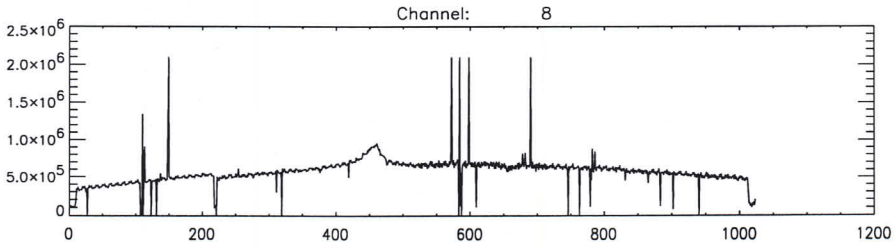
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1.0x10^6
5.0x10^5
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1000
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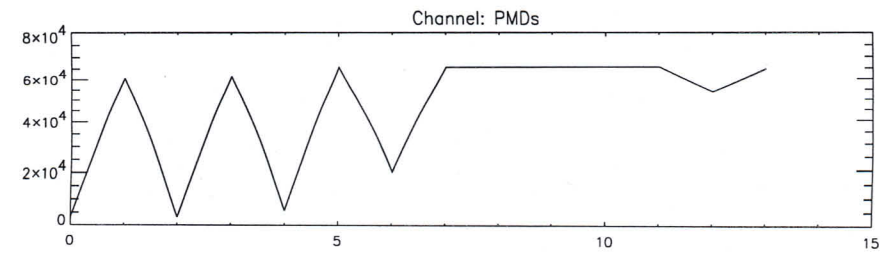
Channel: PMDs
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4x10^4
2x10^4
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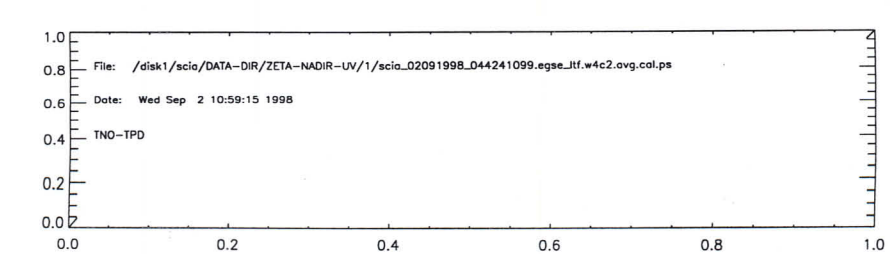
0
5
10
15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Date: Wed Sep 2 10:59:15 1998
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0.2
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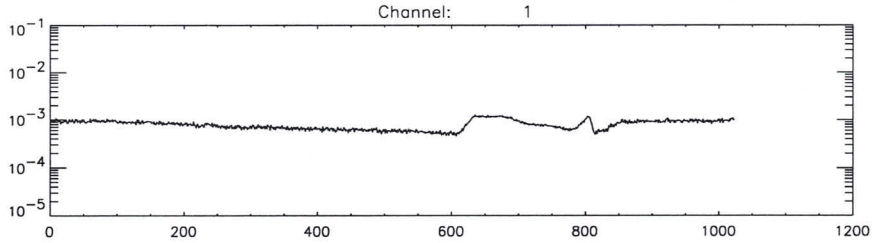
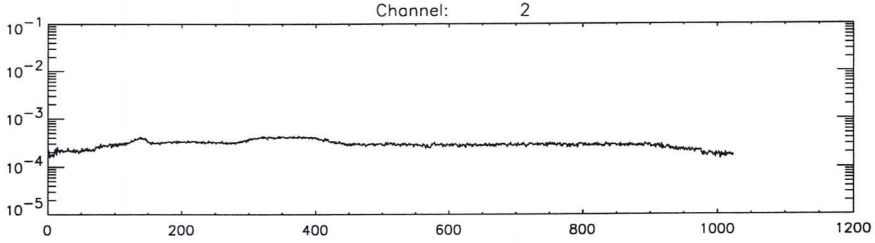
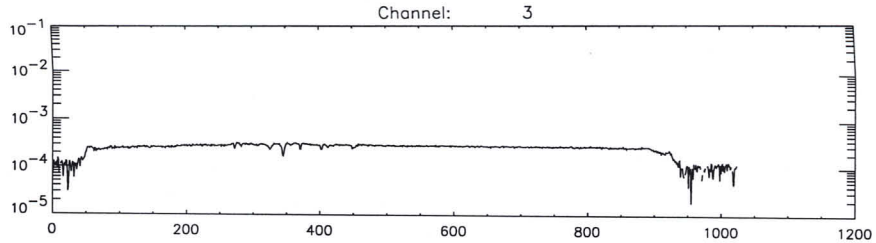
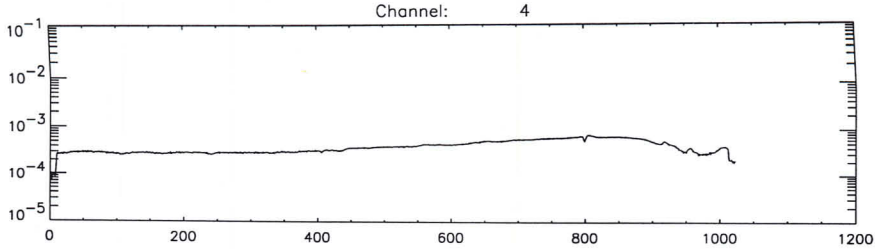
0.8
1.0


Channel: 1


Channel: 2


Channel: 3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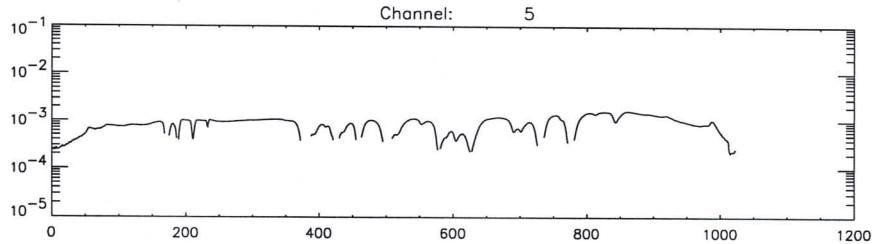
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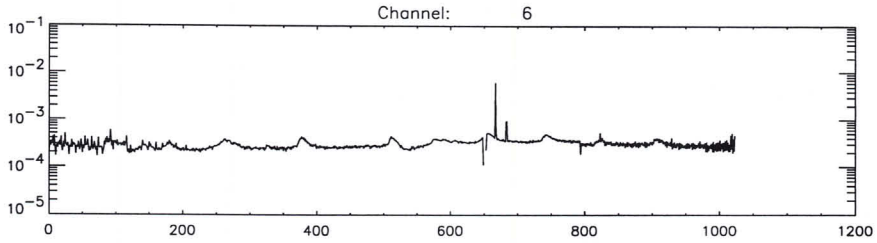
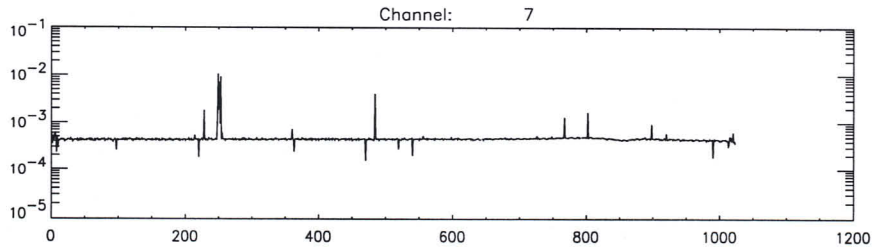
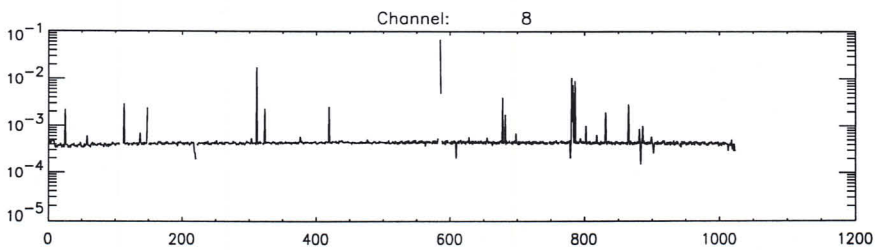

Channel: 6


Channel: 7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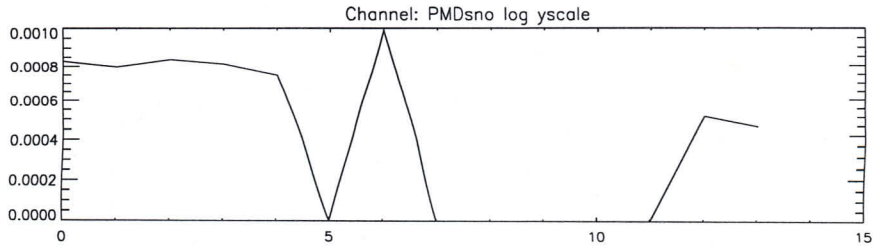
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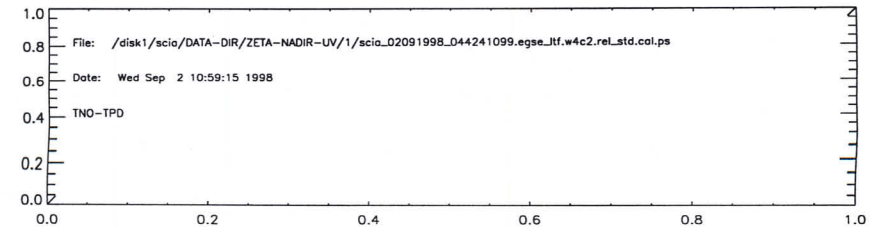
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Date: Wed Sep 2 10:59:15 1998
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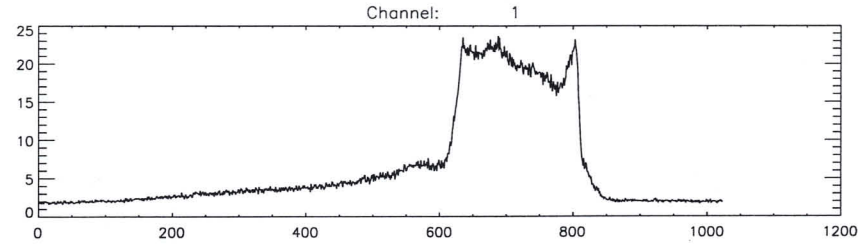
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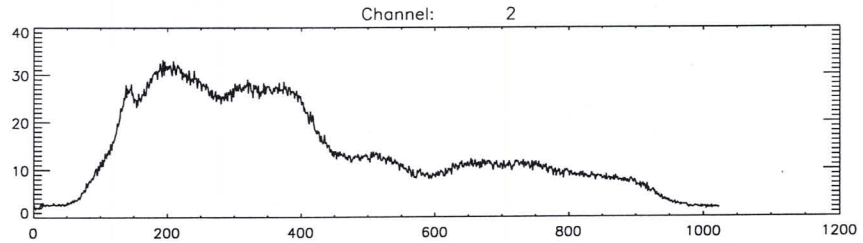
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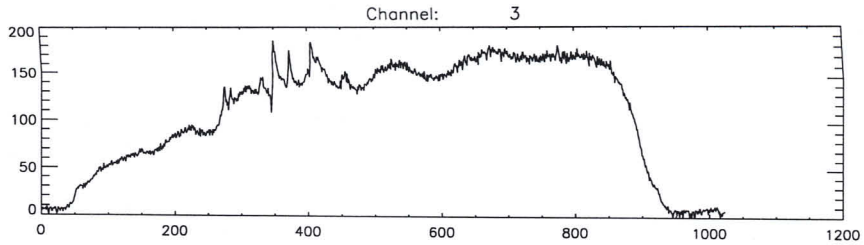
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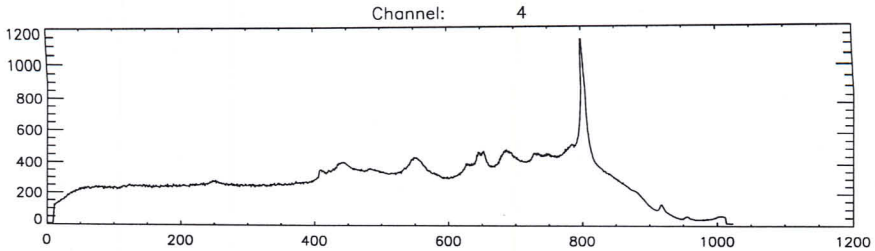
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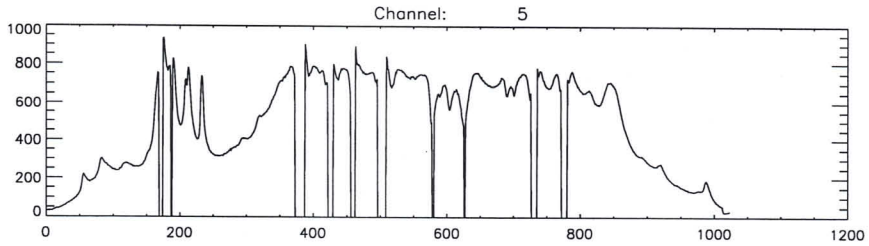
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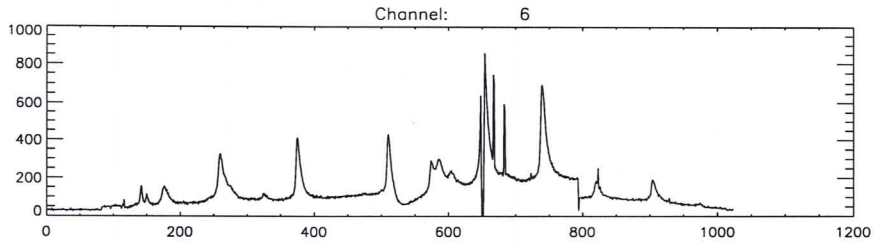
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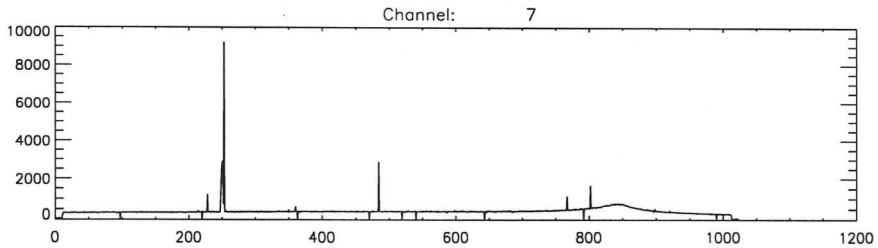
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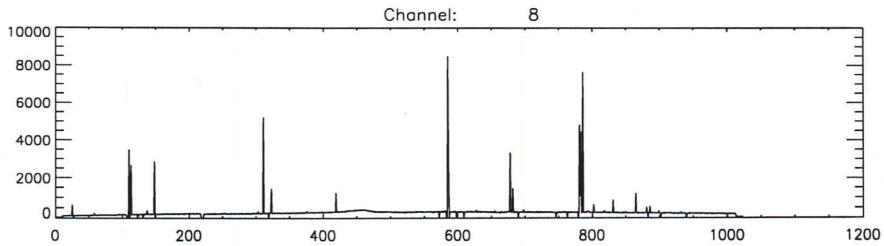
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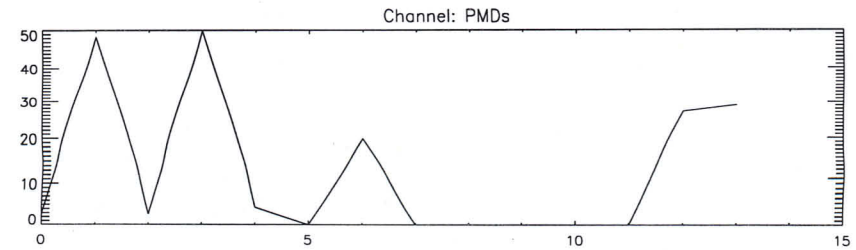
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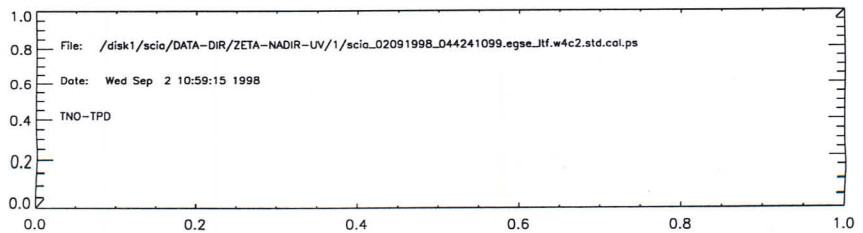
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Date: Wed Sep 2 10:59:15 1998
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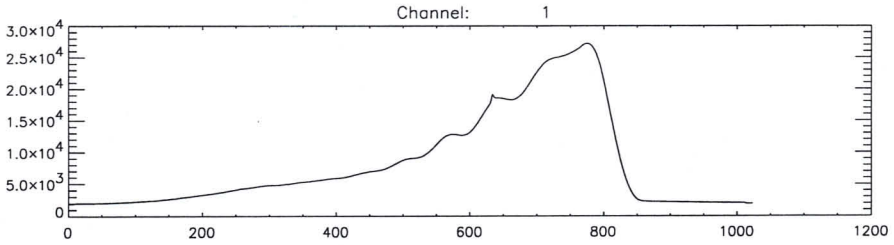
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1.0x10^4
5.0x10^3
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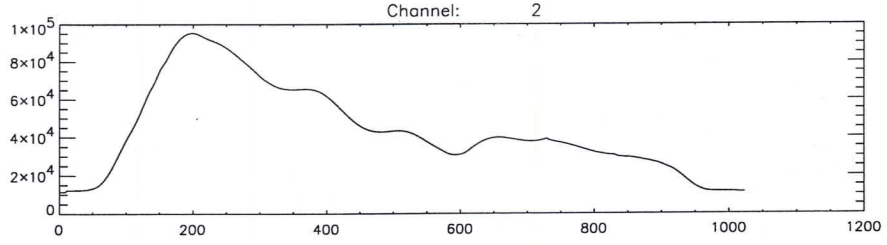
600
800
1000
1200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6x10^4
4x10^4
2x10^4
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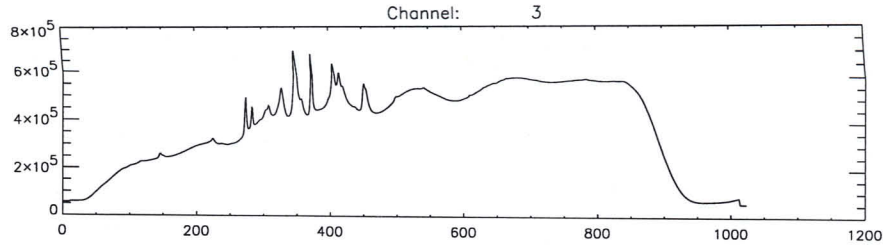
600
800
1000
1200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2x10^5
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1000
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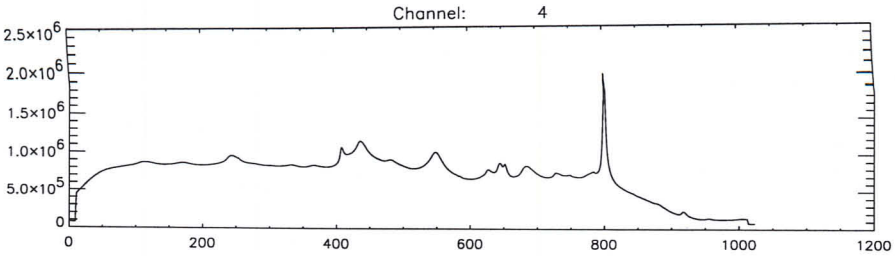
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1.0x10^6
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1000
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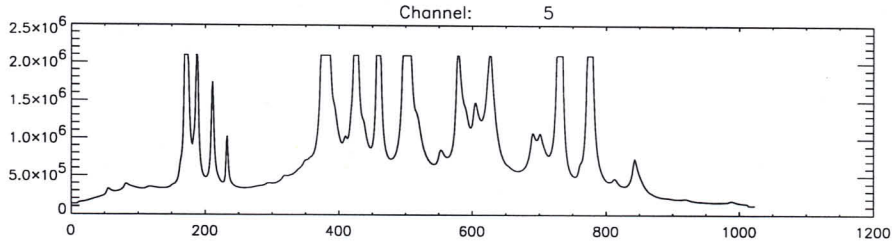
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1000
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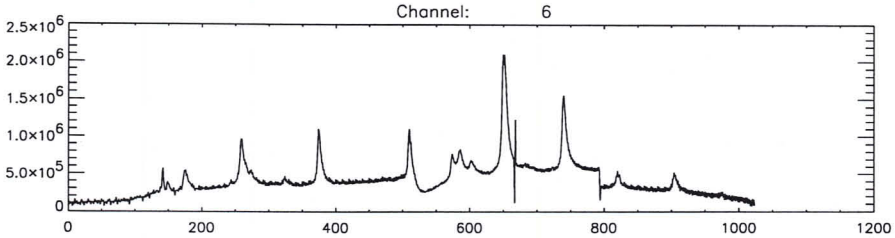
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1.5x10^6
1.0x10^6
5.0x10^5
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1000
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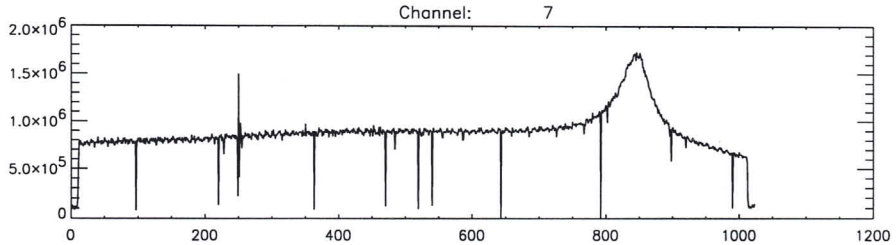
Channel: 7
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1.0x10^6
5.0x10^5
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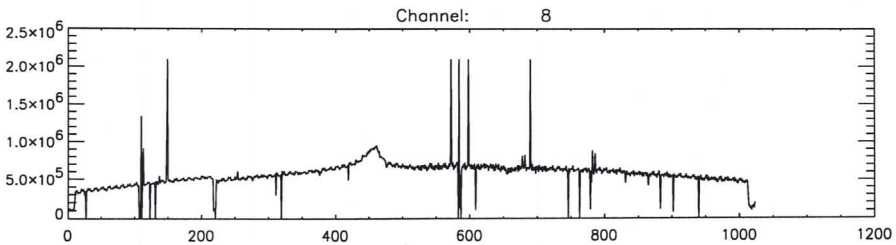
1000
1200


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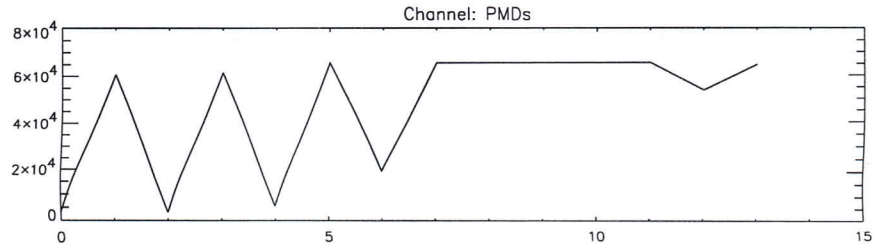
1000
1200


Channel: PMDs
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2x10^4
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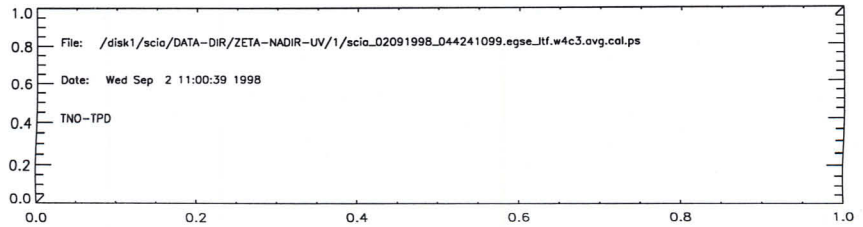
0
5
10
15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Date: Wed Sep 2 11:00:39 1998
TNO-TPD
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0.4
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0.0
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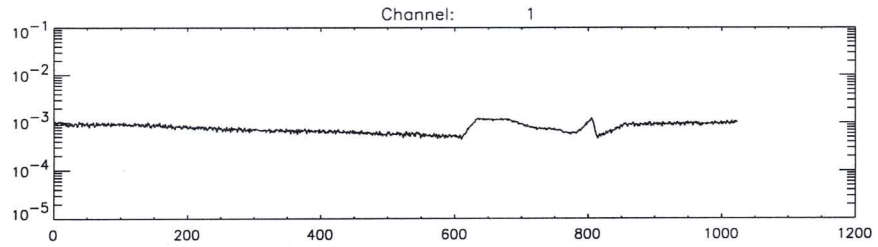
0.2
0.4
0.6
0.8
1.0


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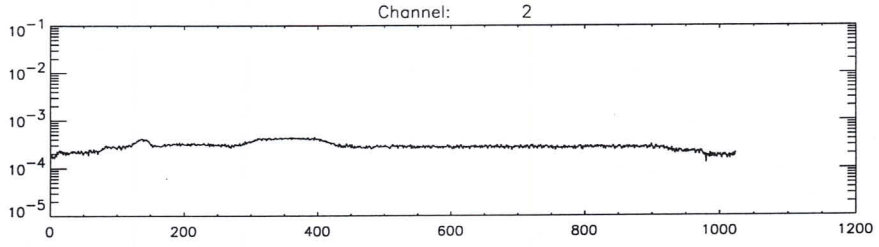
600
800
1000
1200


Channel: 2
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
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1000
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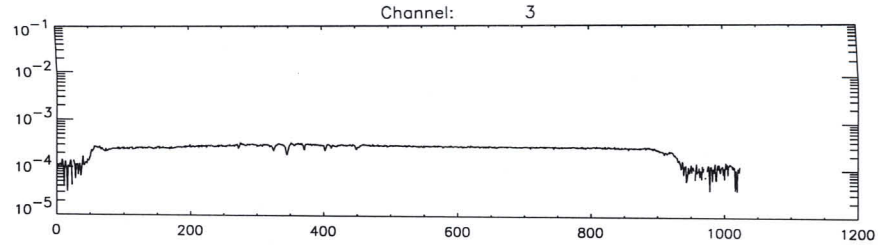
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10^{-4}
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600
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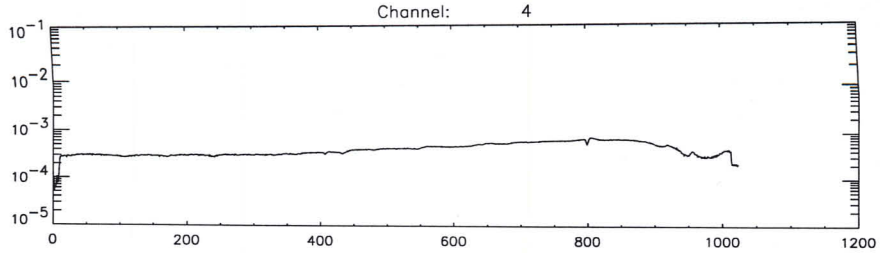
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10^{-3}
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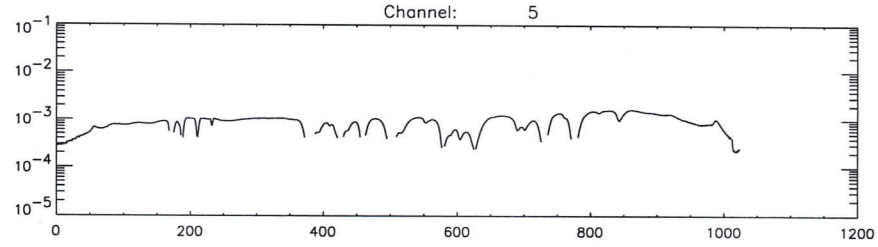
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10^{-4}
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600
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1000
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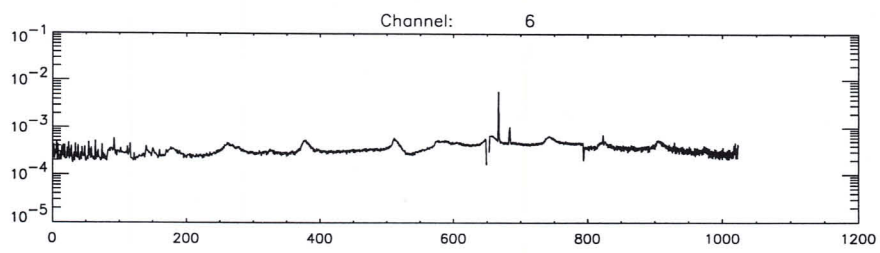
Channel: 6
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10^{-3}
10^{-4}
10^{-5}
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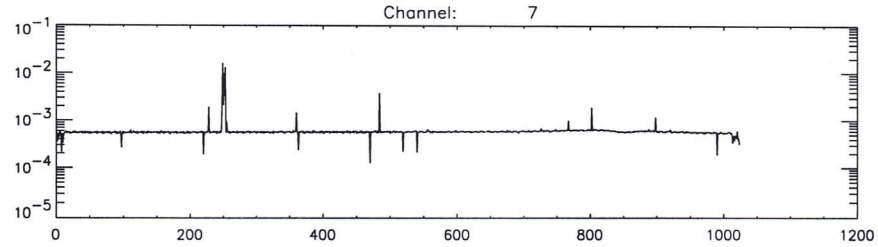
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10^{-3}
10^{-4}
10^{-5}
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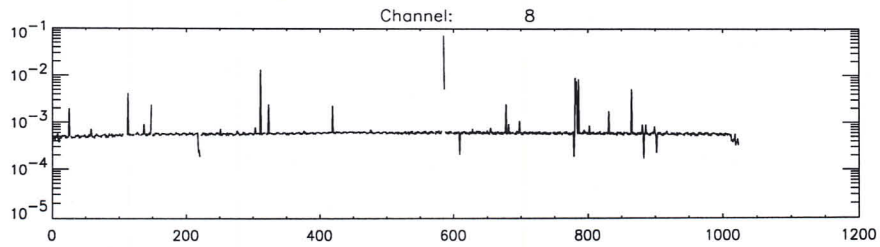
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
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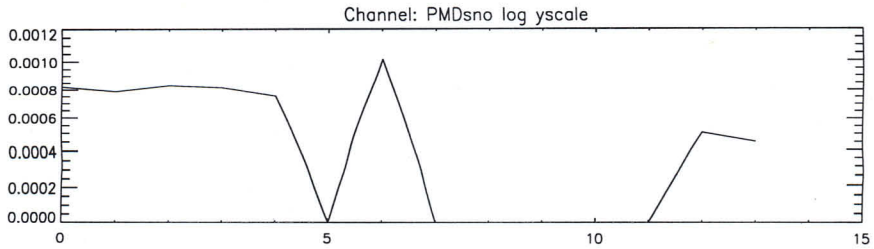
1000
1200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0
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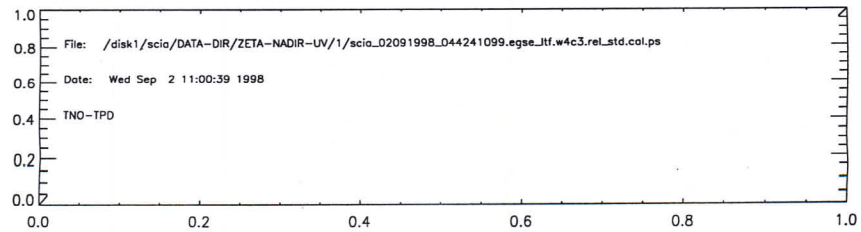
10
15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Date: Wed Sep 2 11:00:39 1998
TNO-TPD
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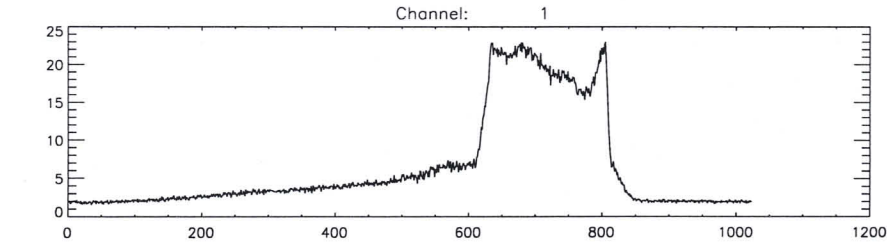
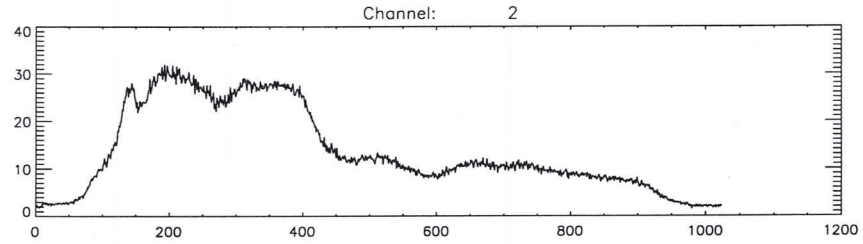
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1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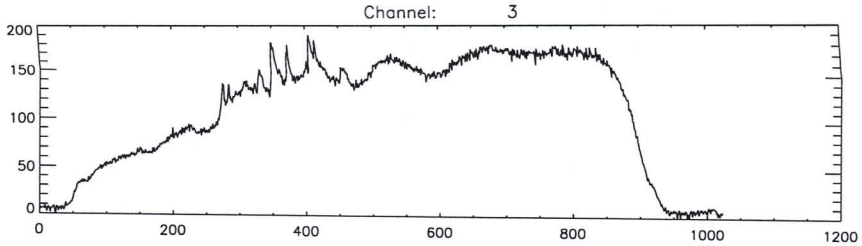
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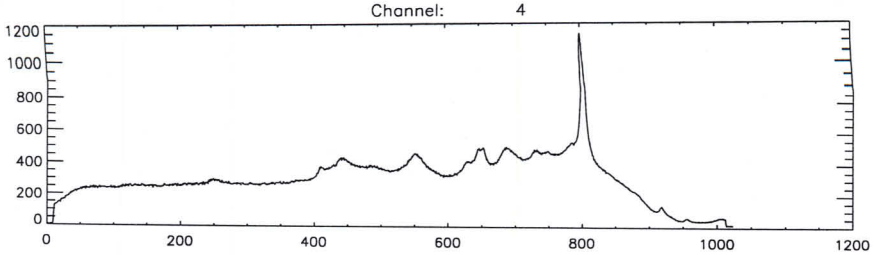
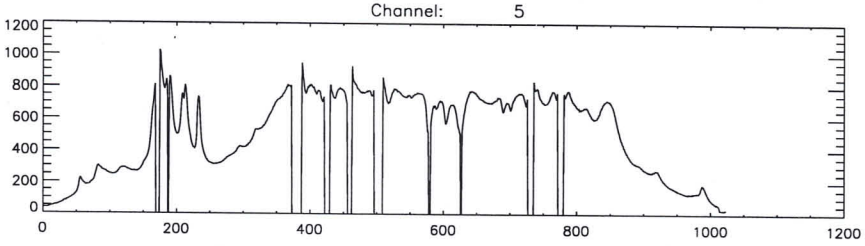

Channel: 4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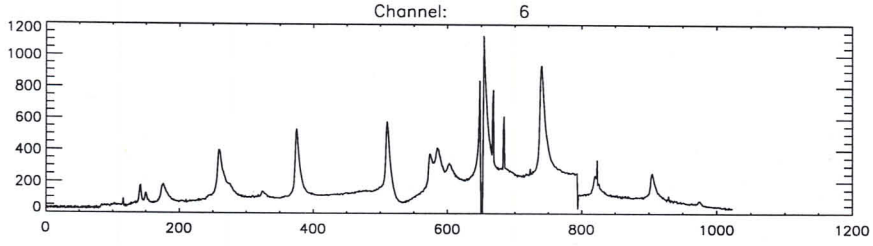
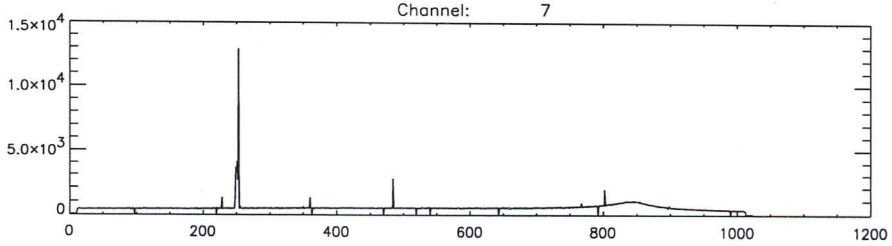
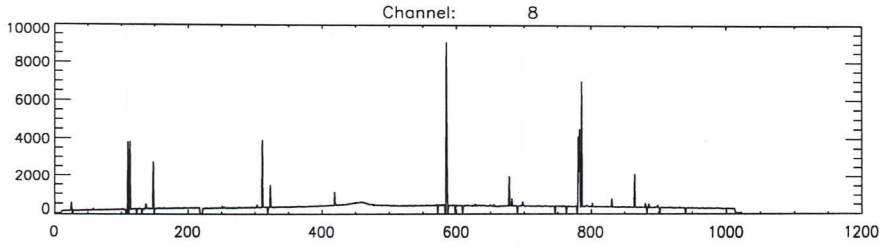
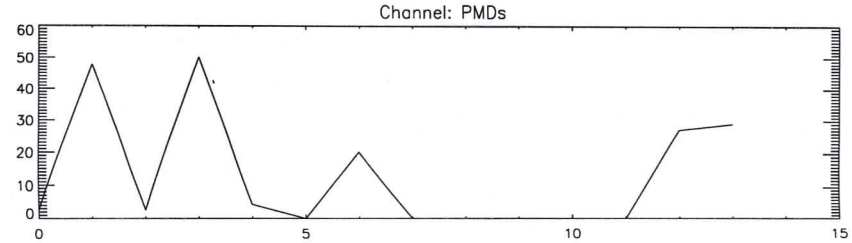
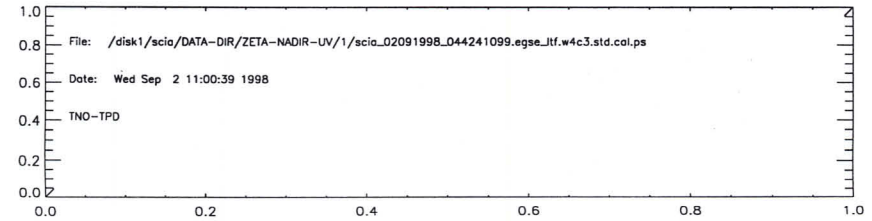

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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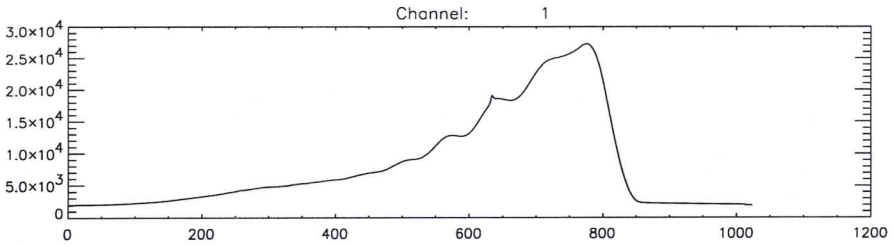
Date: Wed Sep 2 11:00:39 1998
TNO-TPD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2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
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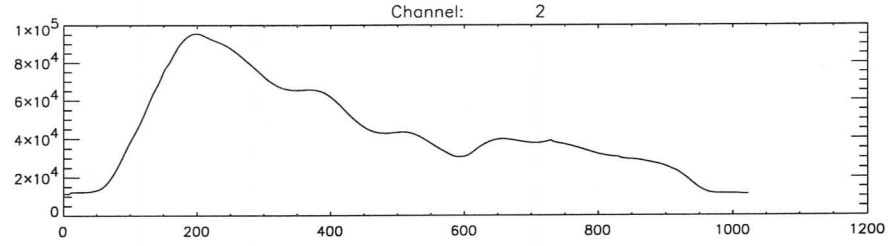
400
600
800
1000
1200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6x10^4
4x10^4
2x10^4
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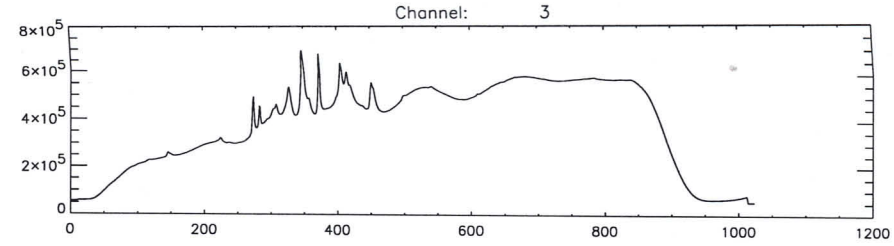
600
800
1000
1200


Channel: 3
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4x10^5
2x10^5
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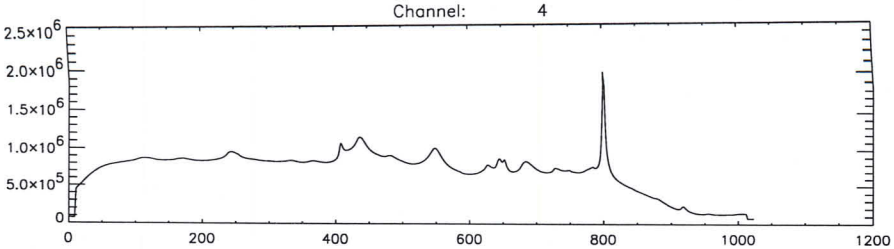
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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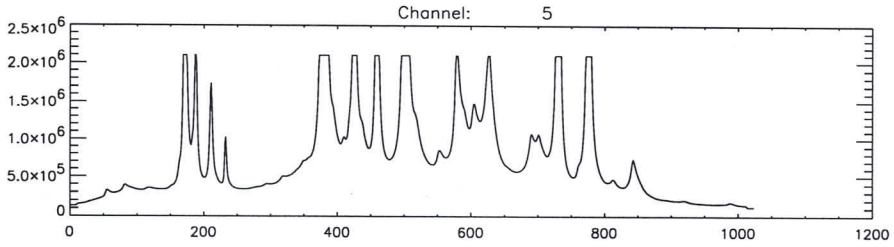
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
0
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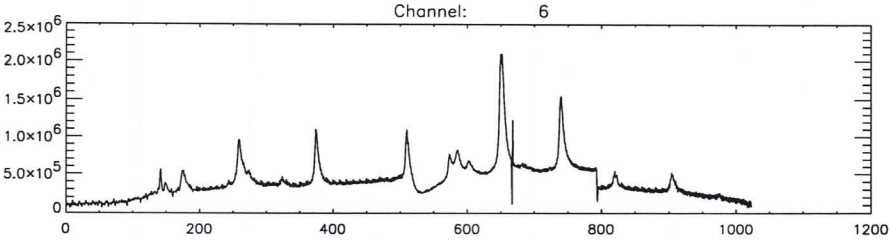
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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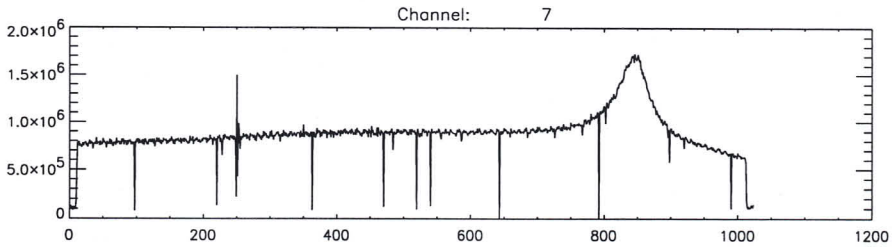
600
800
1000
1200


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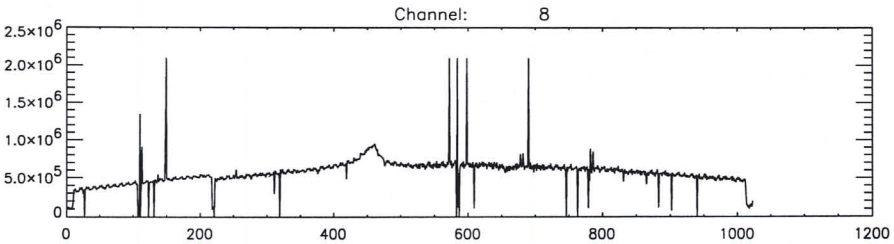
1000
1200


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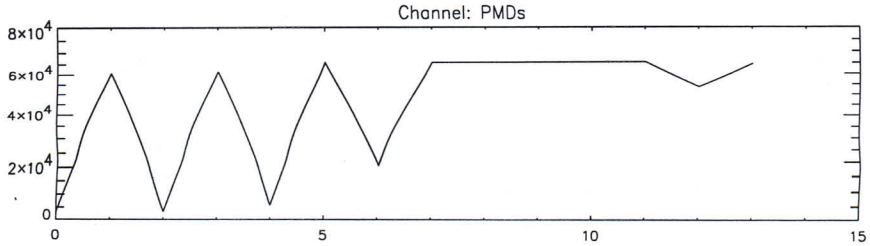
600
800
1000
1200


Channel: PMDs
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6x10^4
4x10^4
2x10^4
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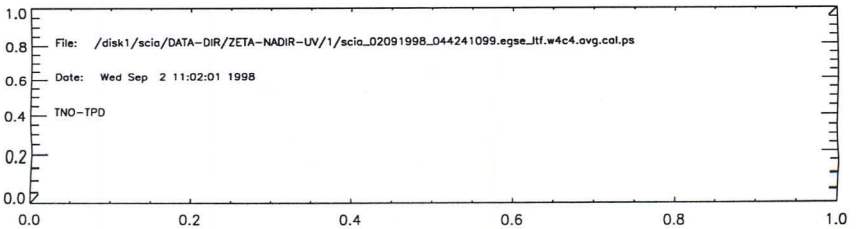
0
5
10
15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Date: Wed Sep 2 11:02:01 1998
TNO-TPD
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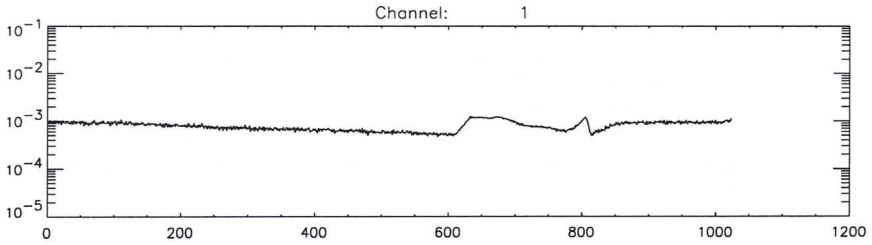
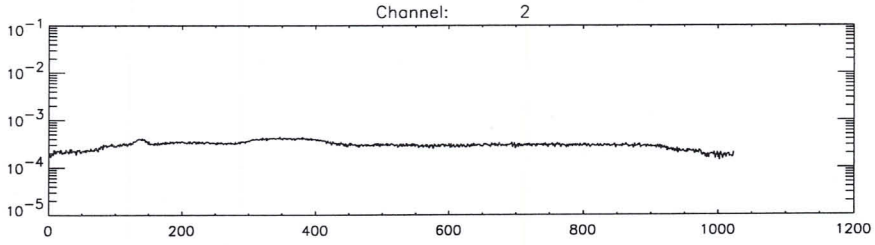
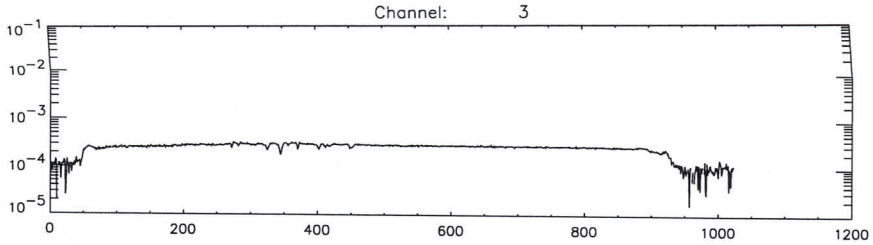
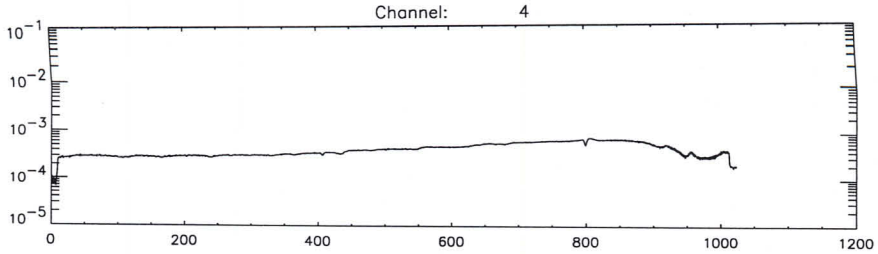
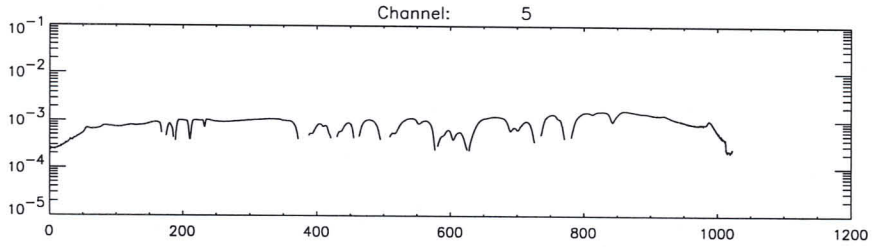
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

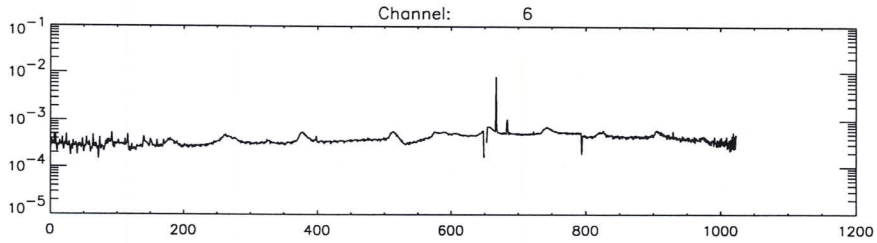

Channel: 1

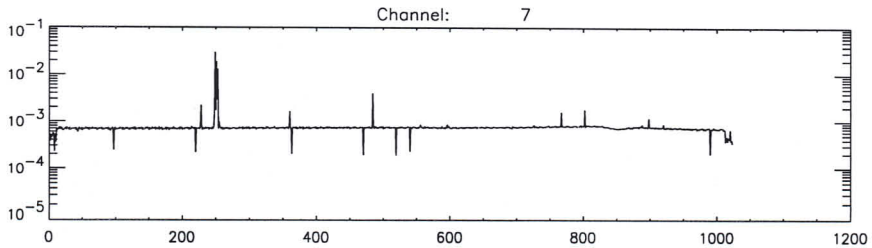

Channel: 2

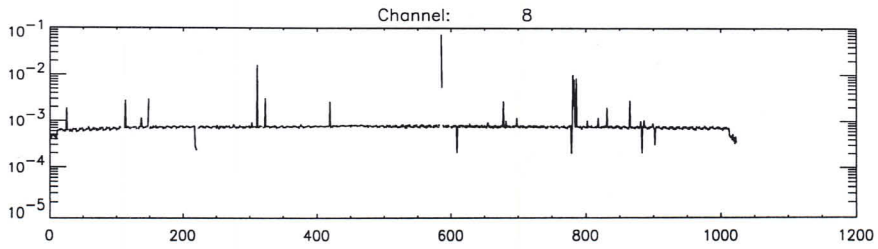

Channel: 3

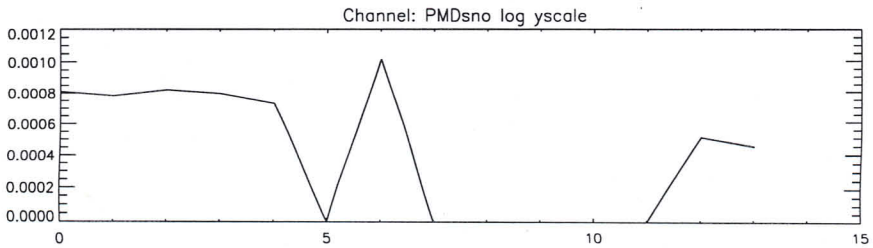

Channel: 4

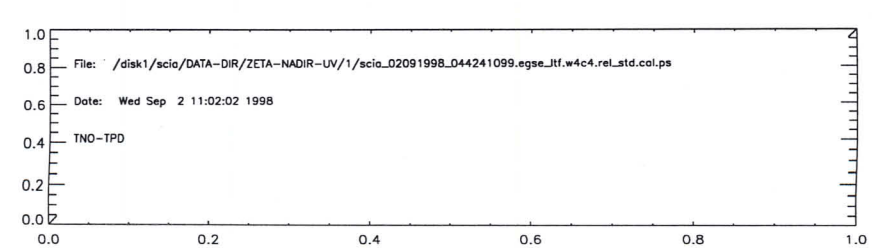

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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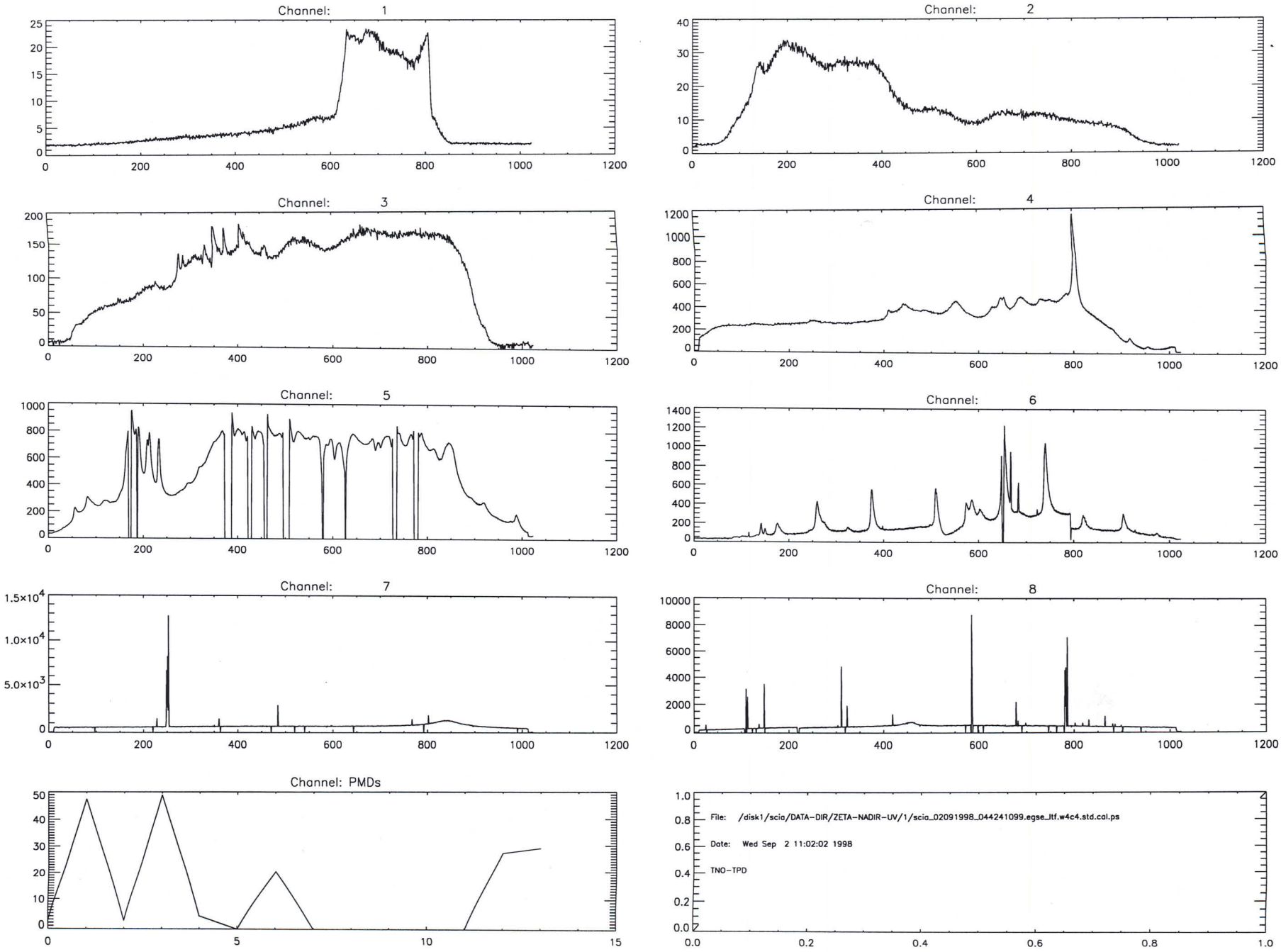
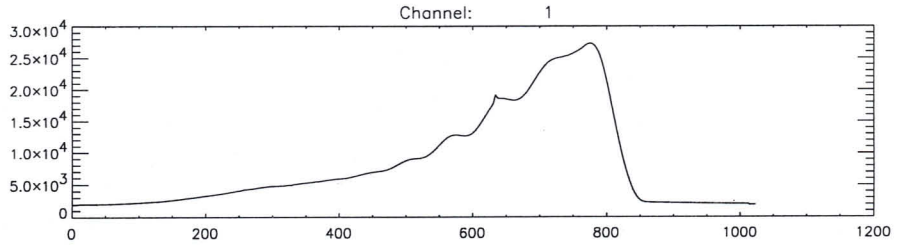
Date: Wed Sep 2 11:02:02 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4c4.std.cal.ps
Date: Wed Sep 2 11:02:02 1998
TNO-TPD


Channel: 1
3.0x10^4
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2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
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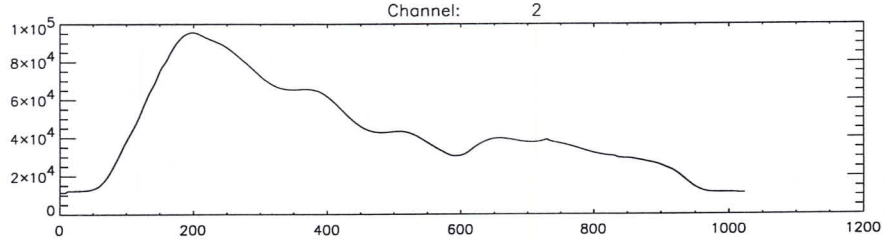
400
600
800
1000
1200


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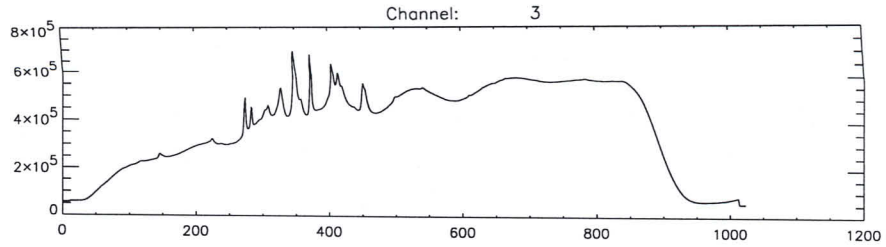
600
800
1000
1200


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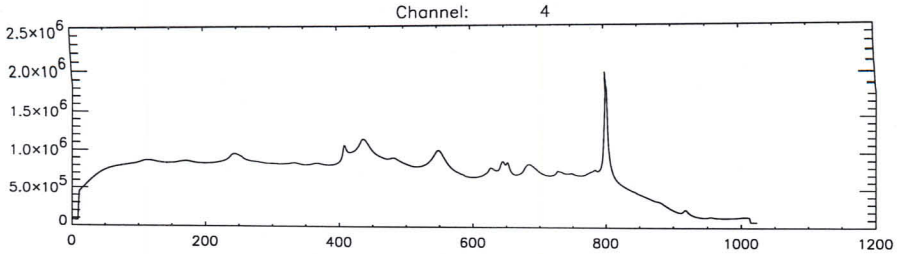
400
600
800
1000
1200


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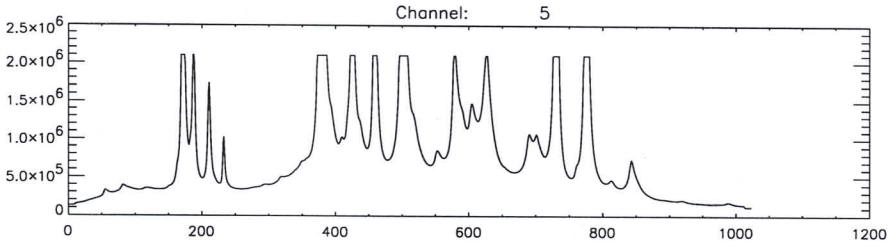
1000
1200


Channel: 5
2.5x10^6
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1.0x10^6
5.0x10^5
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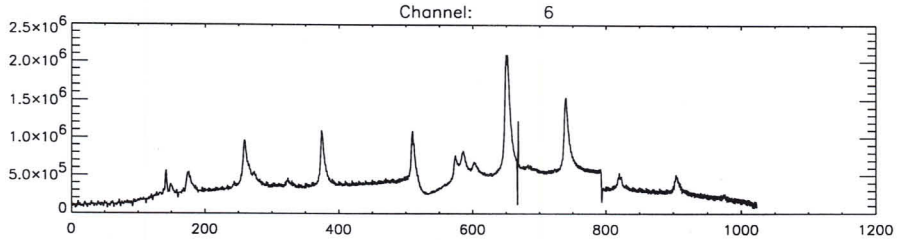
1000
1200


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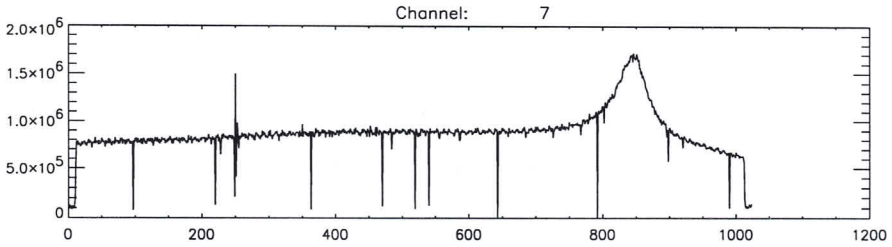
600
800
1000
1200


Channel: 7
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1.0x10^6
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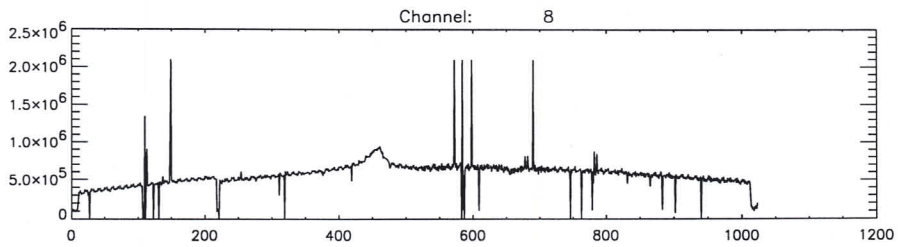
Channel: 8
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1.5x10^6
1.0x10^6
5.0x10^5
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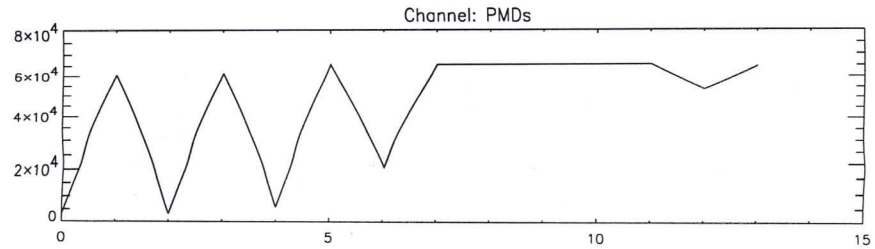
1000
1200


Channel: PMDs
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2x10^4
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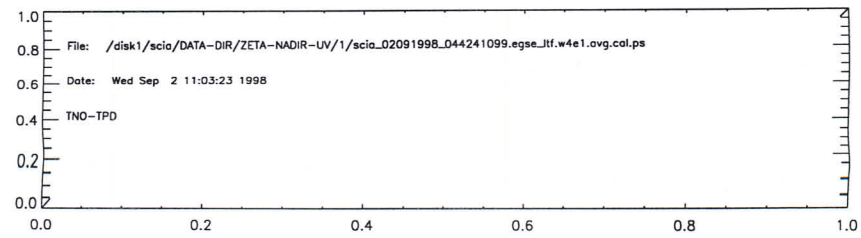
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
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Date: Wed Sep 2 11:03:23 1998
TNO-TPD
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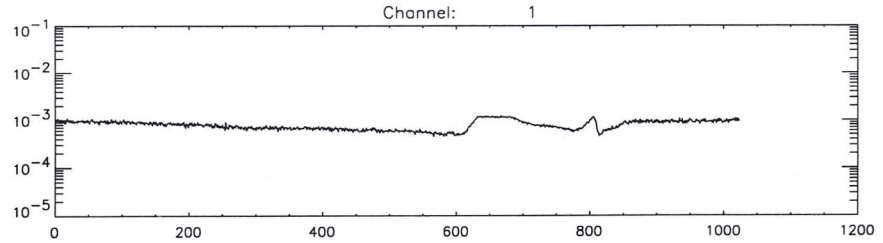
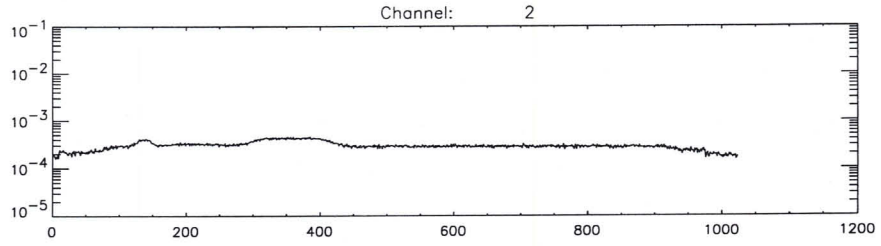
0.2
0.4
0.6
0.8
1.0


Channel: 1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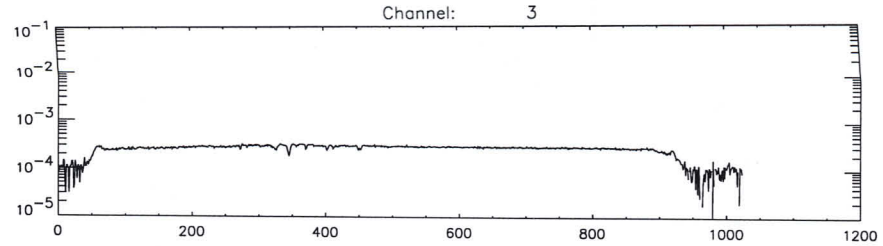
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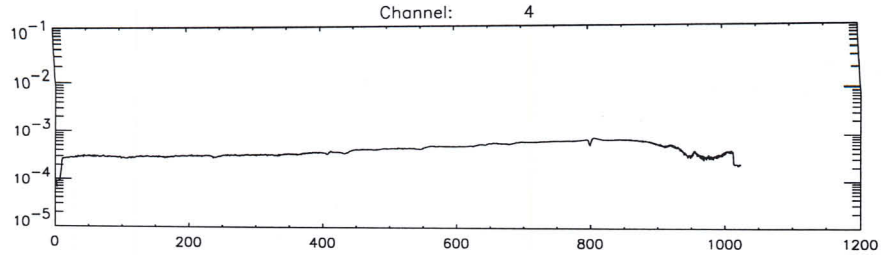
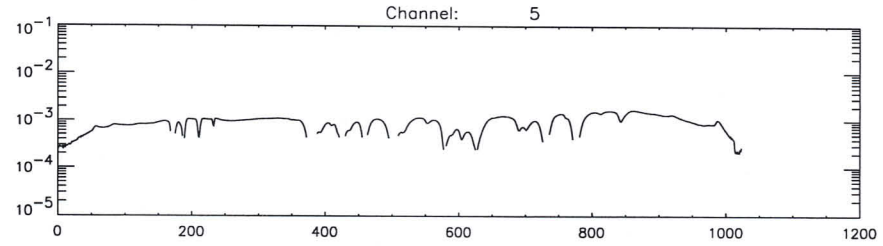

Channel: 4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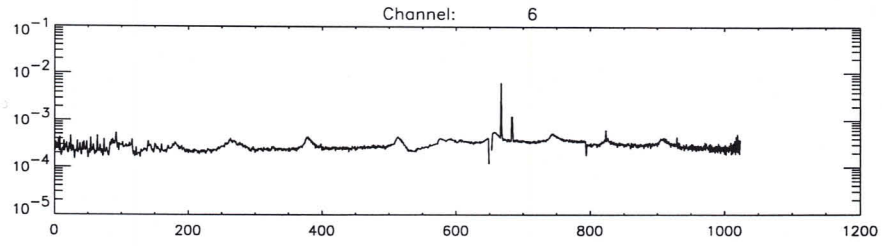
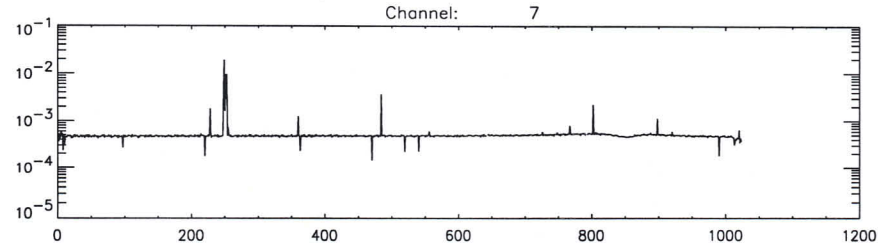
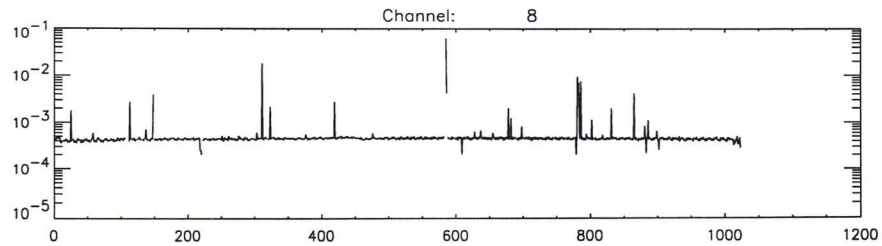
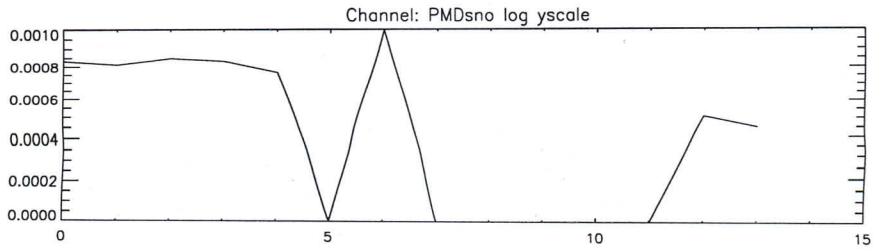
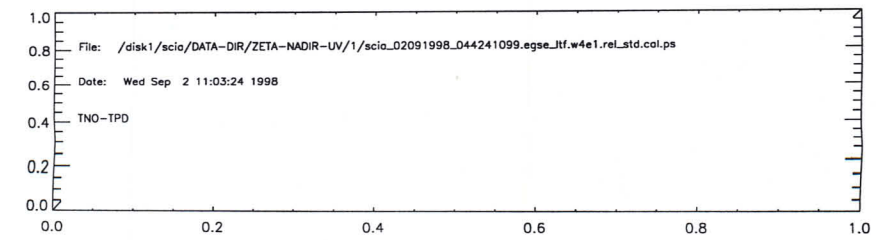

Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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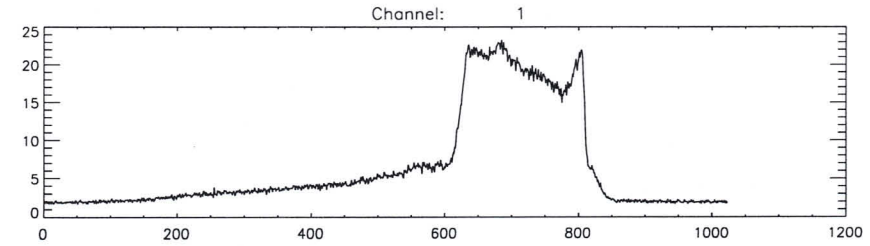
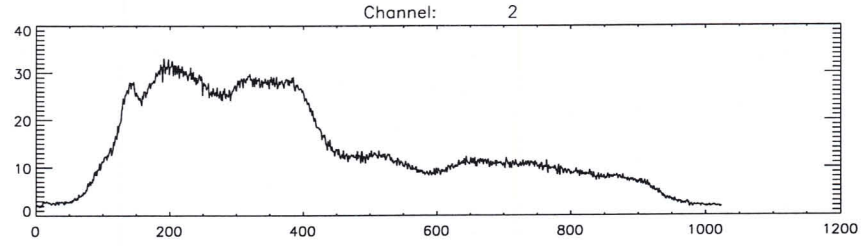
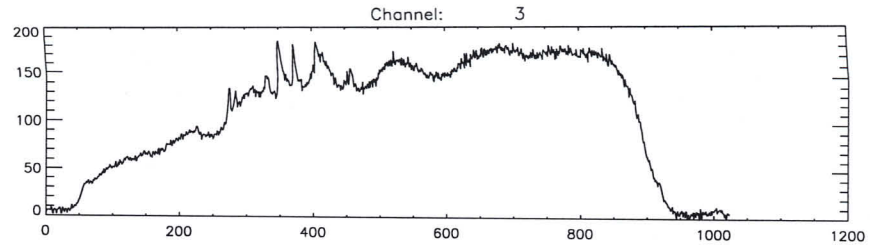
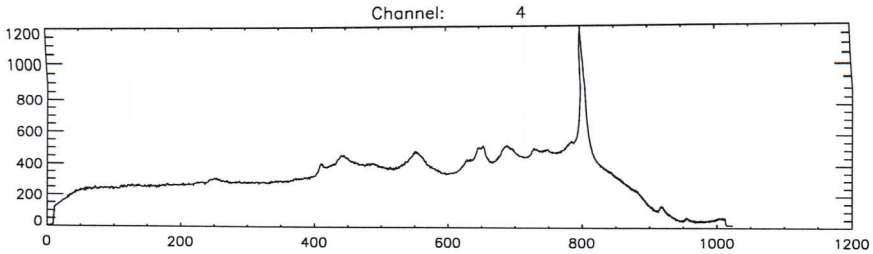
Date: Wed Sep 2 11:03:24 1998
TNO-TPD


Channel: 1


Channel: 2


Channel: 3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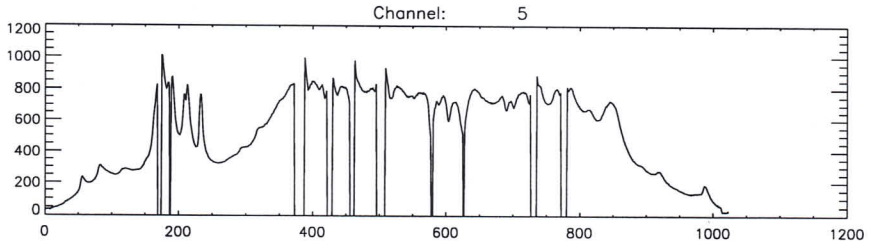
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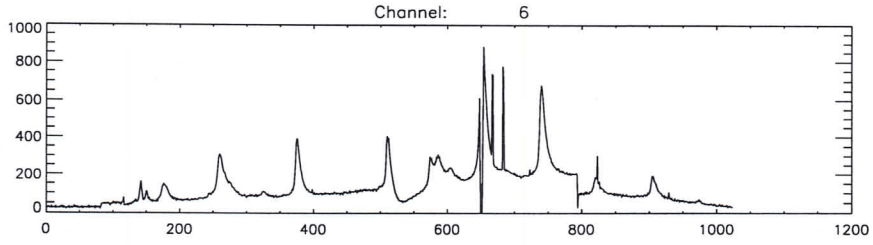
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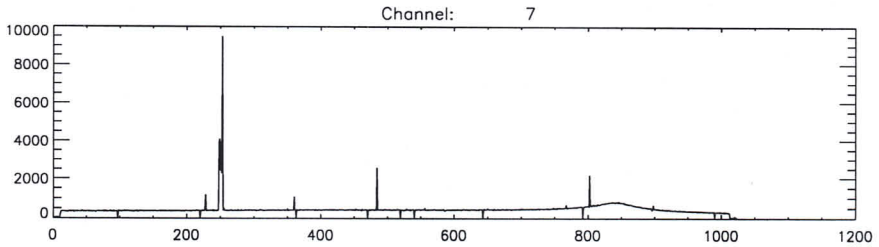
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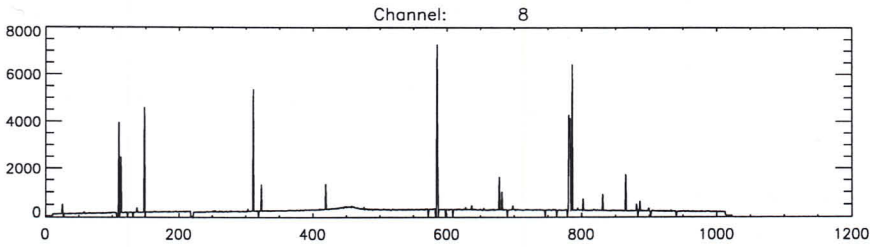
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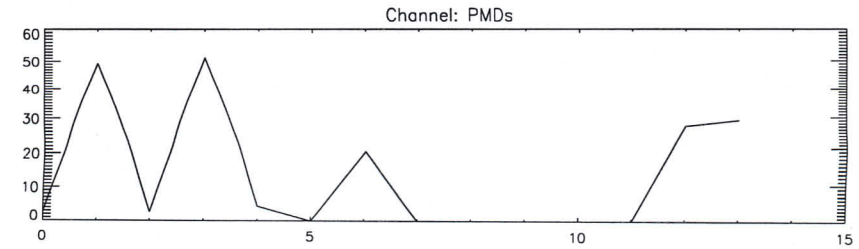
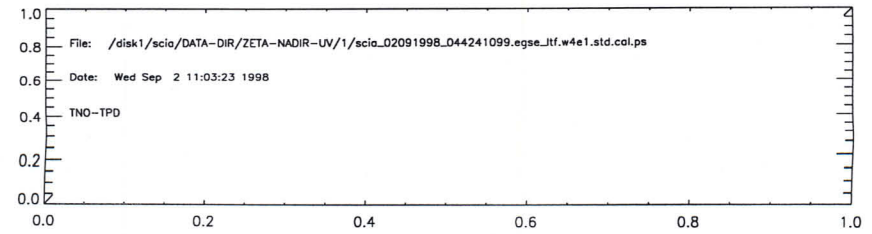

Channel: PMDs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Date: Wed Sep 2 11:03:23 1998
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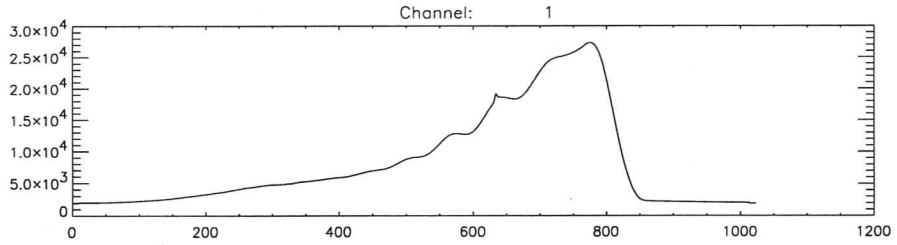
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1.0x10^4
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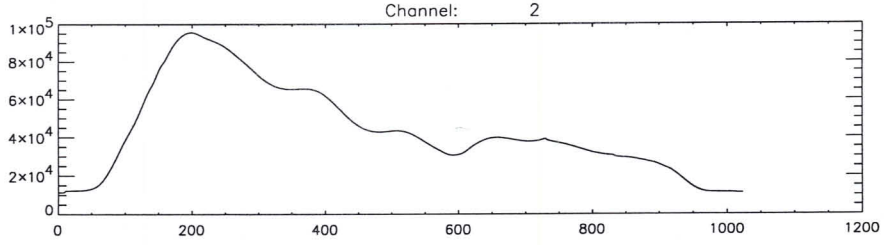
600
800
1000
1200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4x10^4
2x10^4
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600
800
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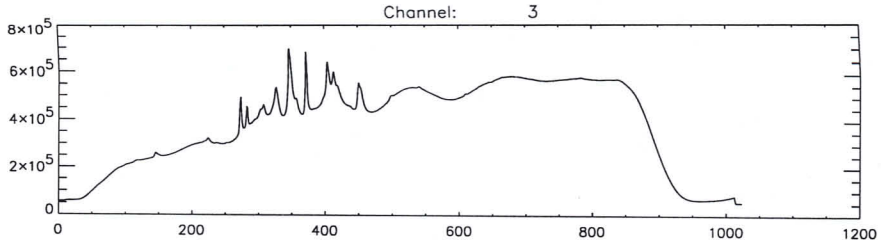
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2x10^5
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1000
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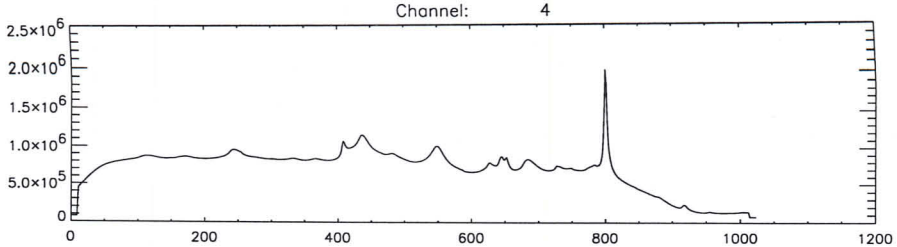
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1.0x10^6
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1000
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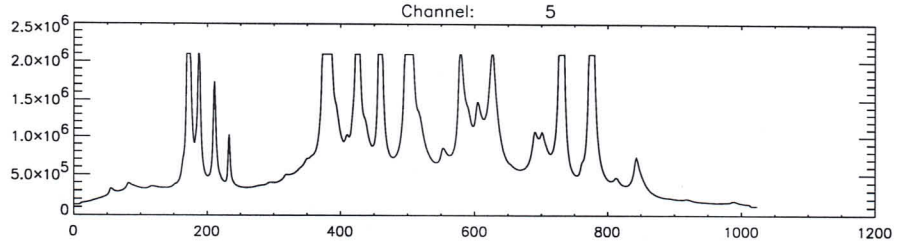
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1.0x10^6
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1000
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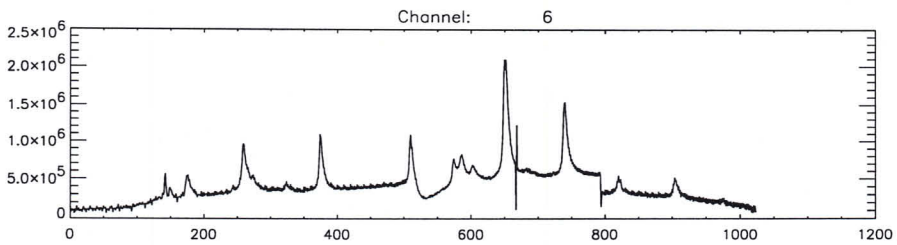
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1.0x10^6
5.0x10^5
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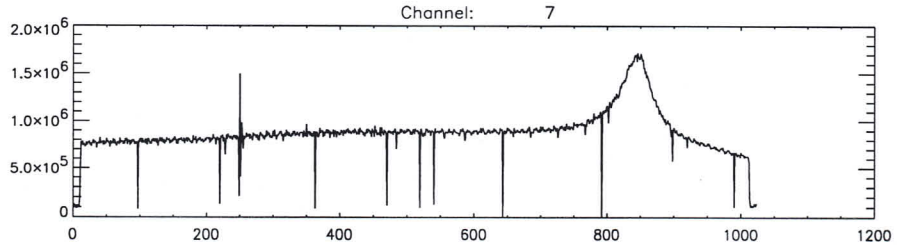
600
800
1000
1200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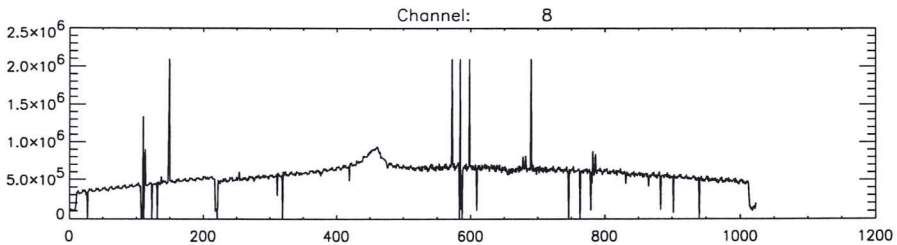
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1.5x10^6
1.0x10^6
5.0x10^5
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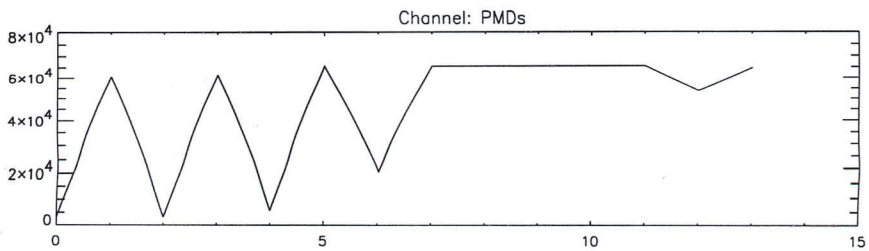
600
800
1000
1200


Channel: PMDs
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4x10^4
2x10^4
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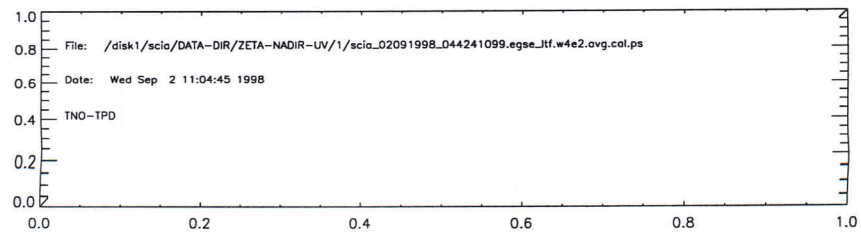
0
5
10
15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0.4
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0.8
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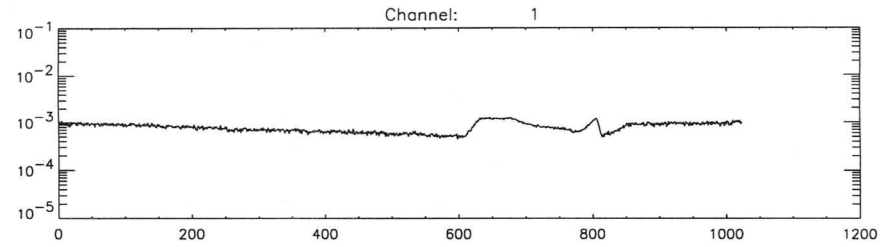
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4e2.avg.cal.ps
Date: Wed Sep 2 11:04:45 1998
TNO-TPD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10^{-3}
10^{-4}
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600
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1000
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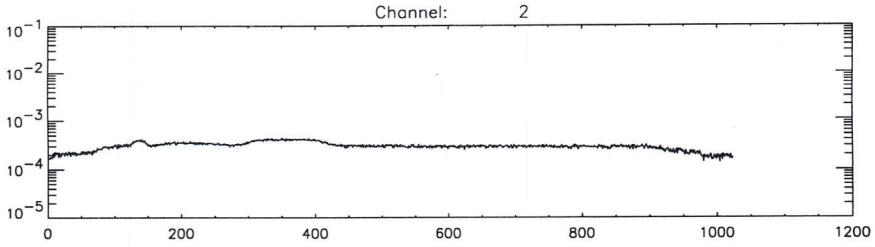
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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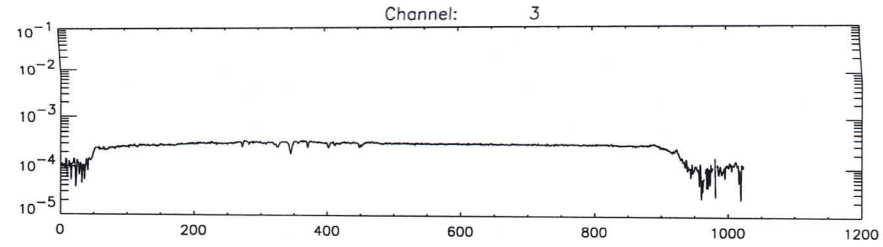
600
800
1000
1200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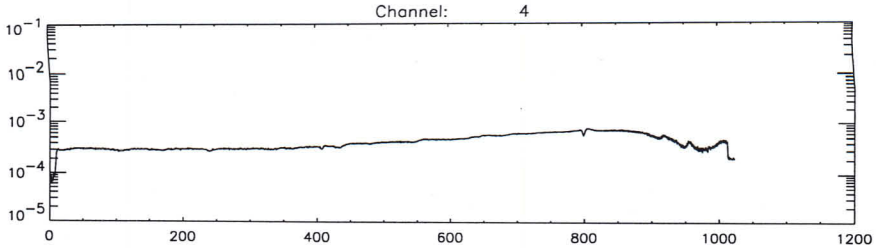
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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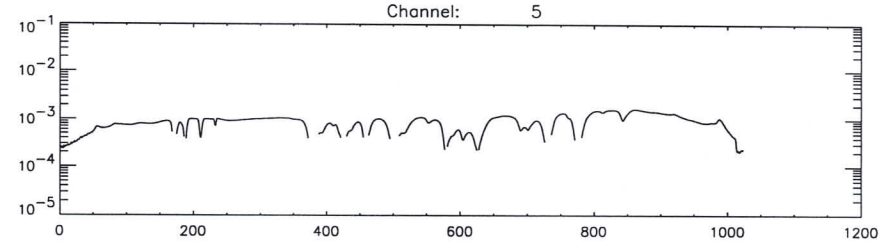
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10^{-2}
10^{-3}
10^{-4}
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600
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1000
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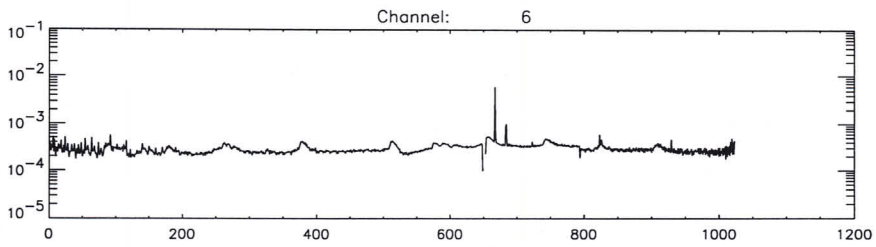
Channel: 6
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10^{-3}
10^{-4}
10^{-5}
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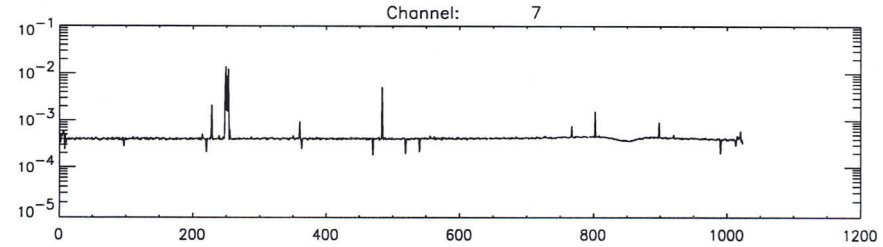
Channel: 7
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10^{-3}
10^{-4}
10^{-5}
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600
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1000
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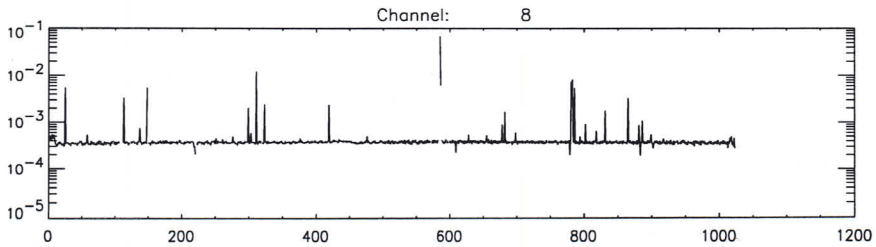
Channel: 8
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10^{-3}
10^{-4}
10^{-5}
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1000
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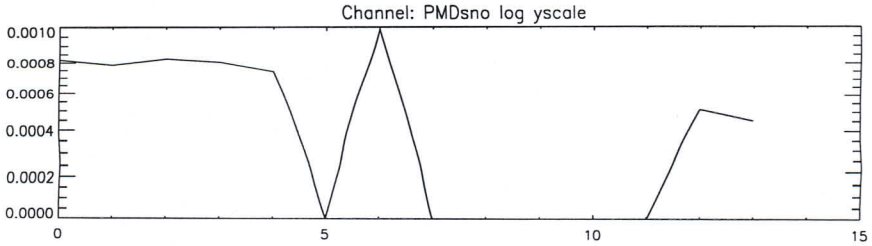
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0.0002
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0
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10
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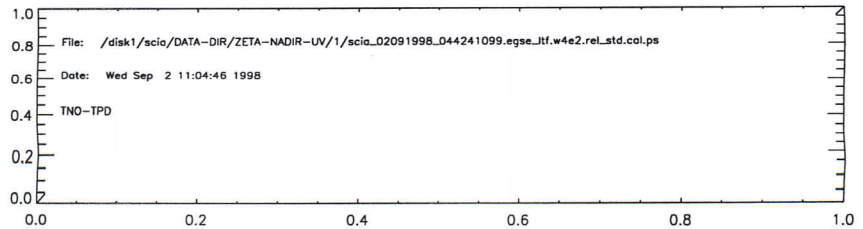
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Date: Wed Sep 2 11:04:46 1998
TNO-TPD
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0.4
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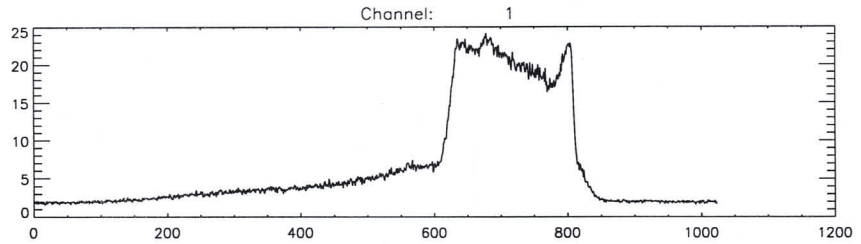
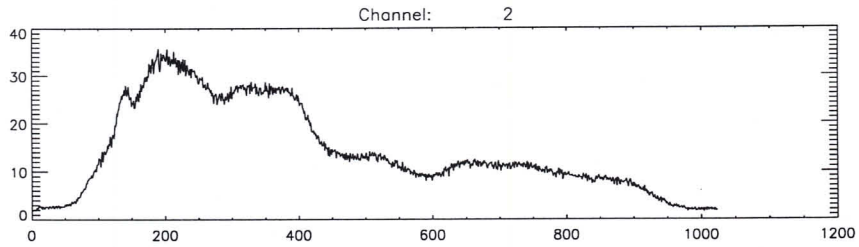
0.2
0.4
0.6
0.8
1.0


Channel: 1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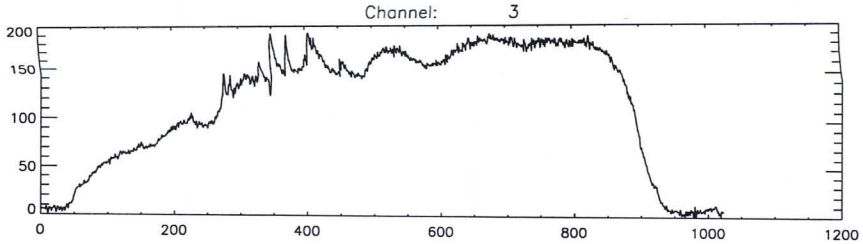
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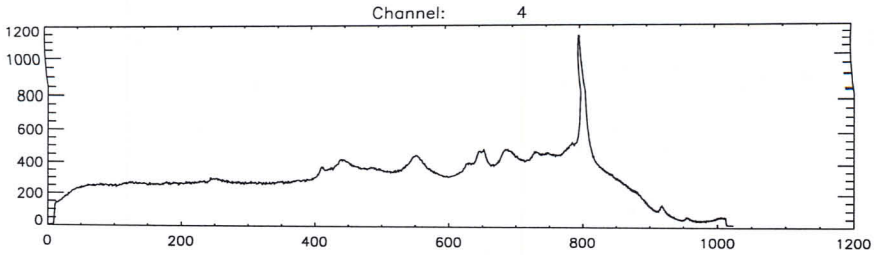
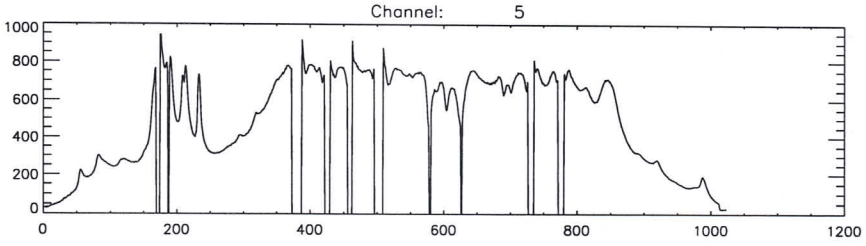

Channel: 4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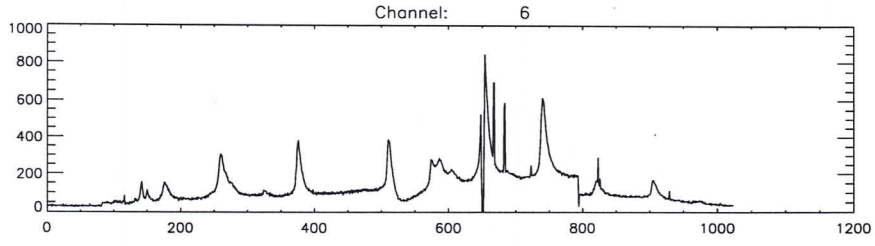
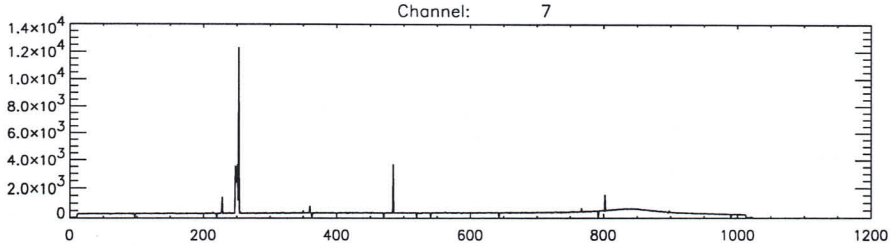
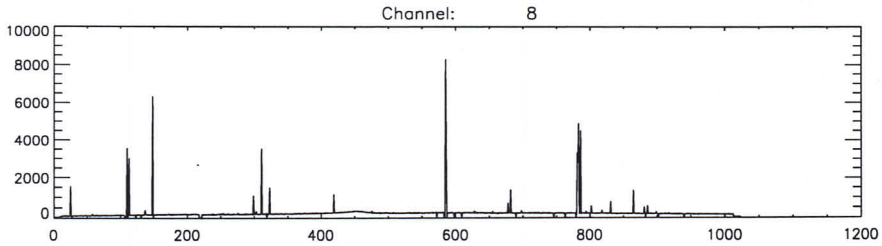
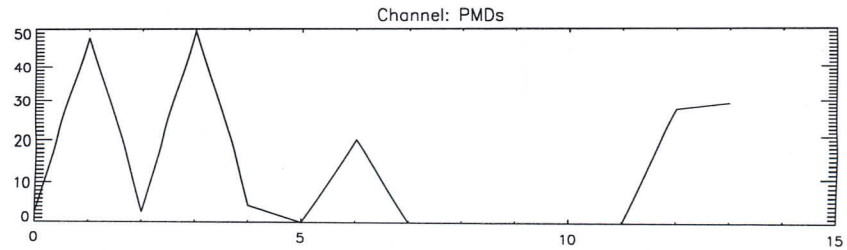
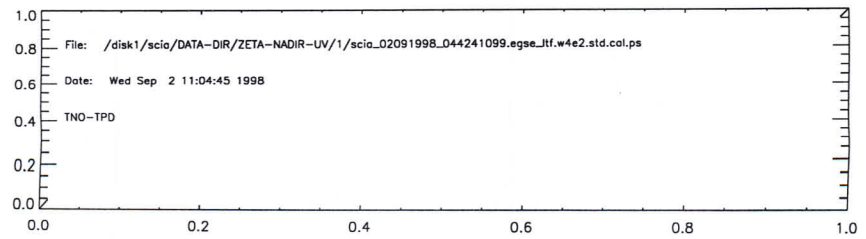

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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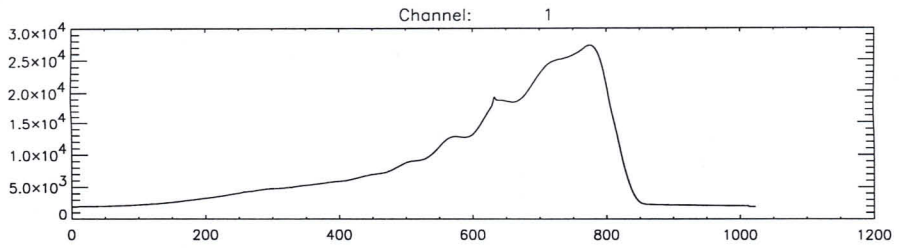
Date: Wed Sep 2 11:04:45 1998
TNO-TPD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1.5x10^4
1.0x10^4
5.0x10^3
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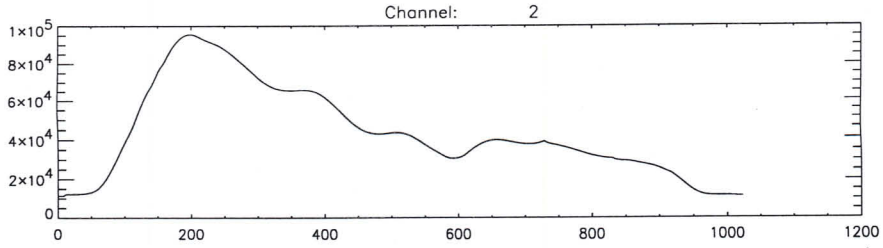
600
800
1000
1200


Channel: 2
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4x10^4
2x10^4
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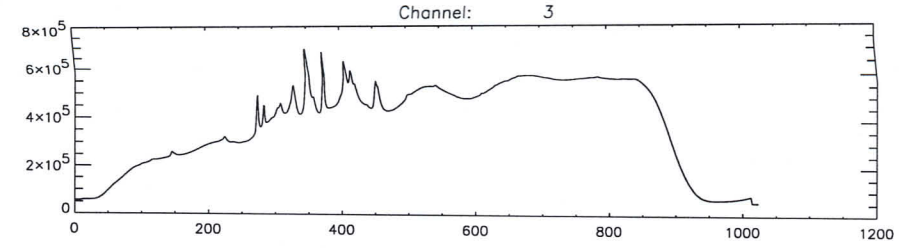
1200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2x10^5
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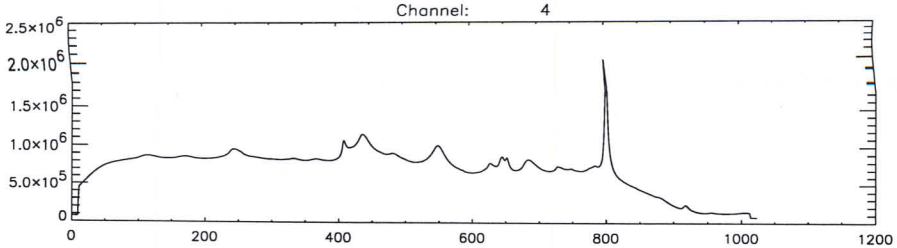
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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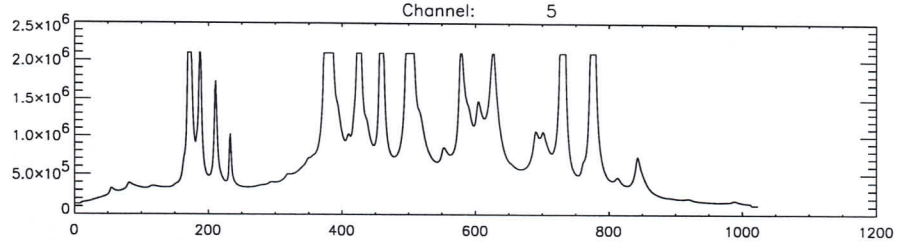
1000
1200


Channel: 5
2.5x10^6
2.0x10^6
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1.0x10^6
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1000
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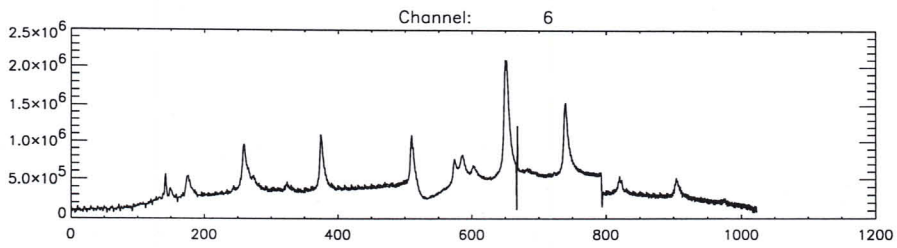
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1000
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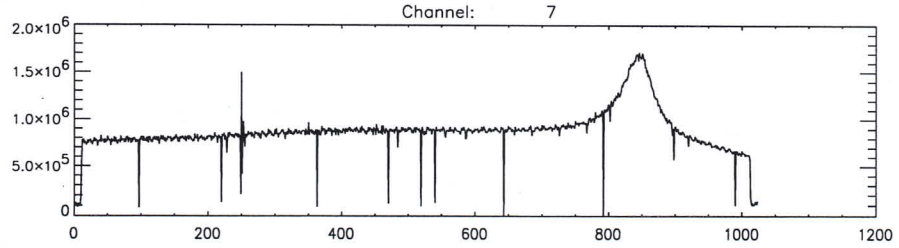
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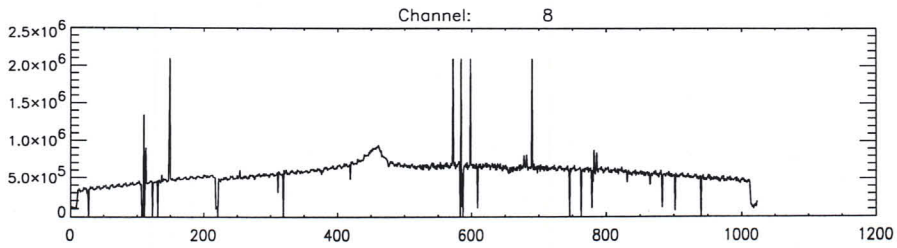
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5.0x10^5
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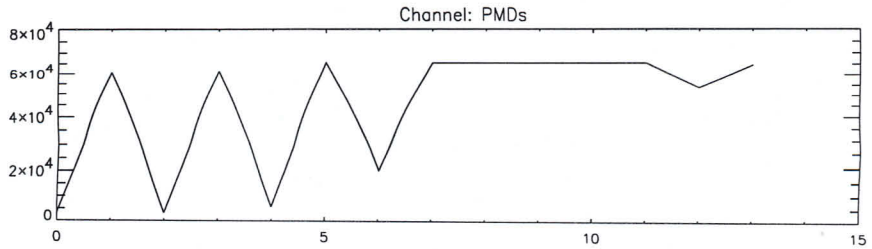
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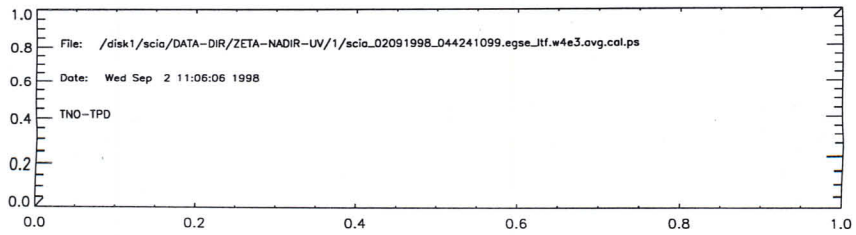
10
15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Date: Wed Sep 2 11:06:06 1998
TNO-TPD
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0.0
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0.2
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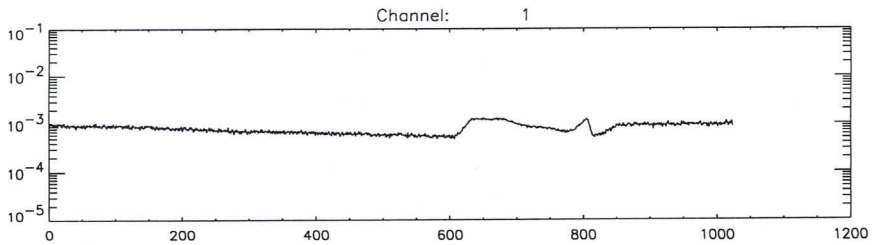
0.8
1.0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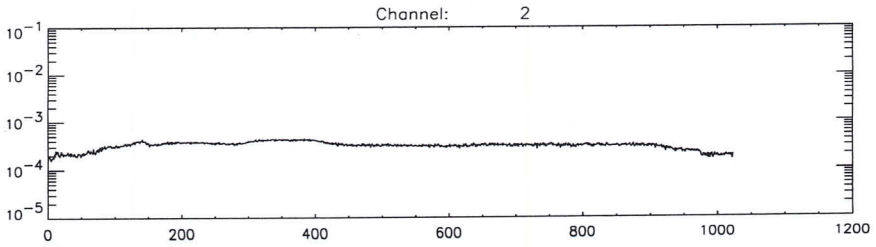
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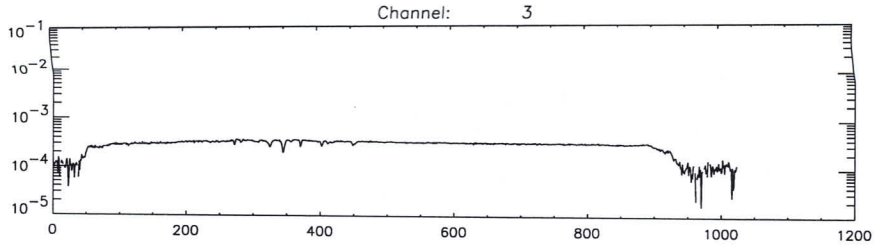
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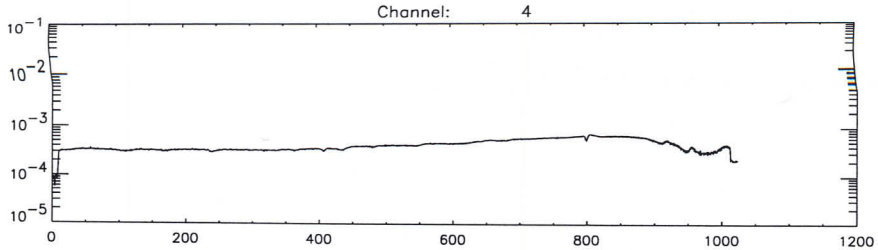
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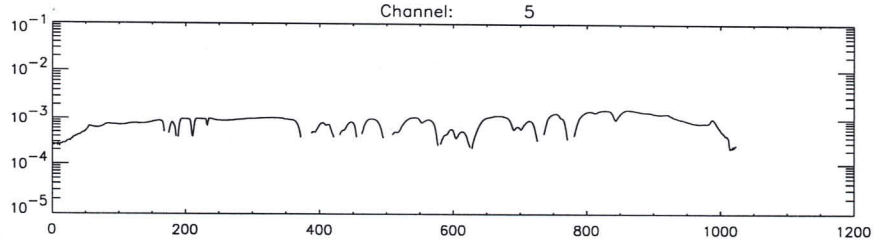
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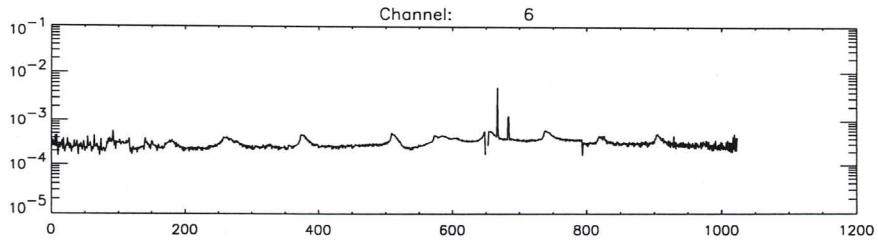
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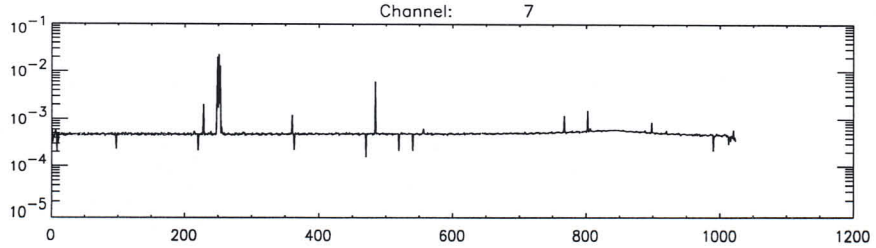
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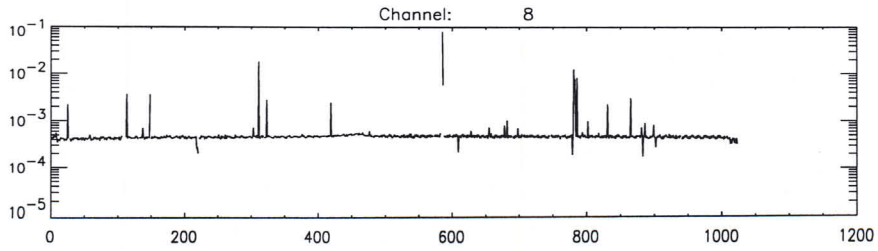
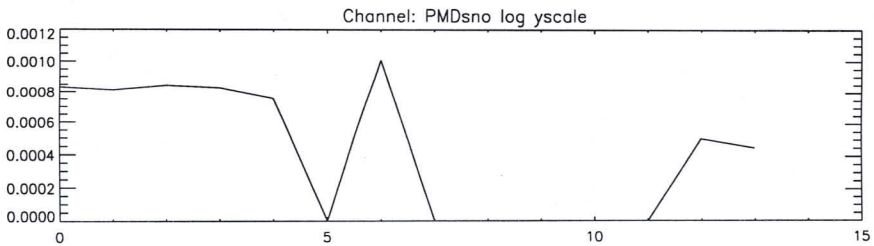
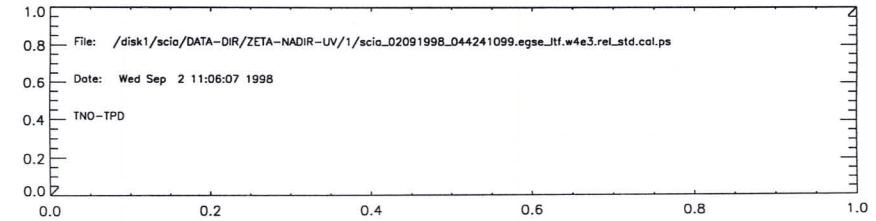

Channel: 8


Channel: PMDsno log yscale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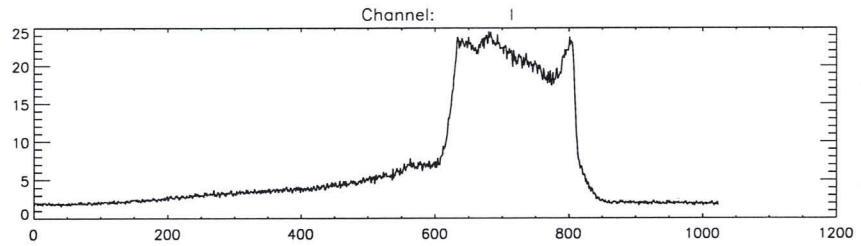
Date: Wed Sep 2 11:06:07 1998
TNO-TPD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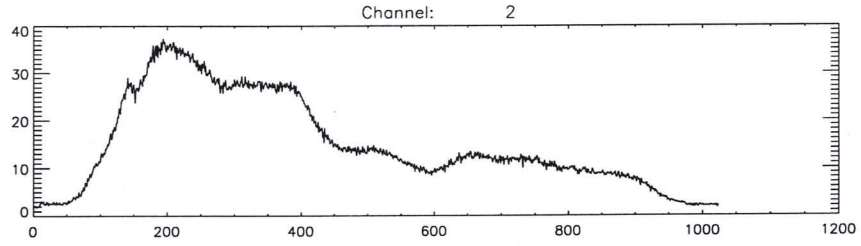
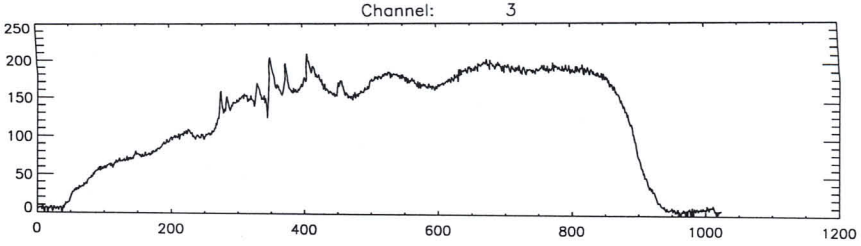

Channel: 2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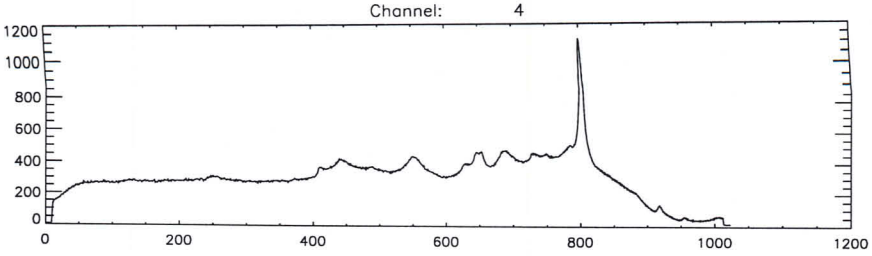
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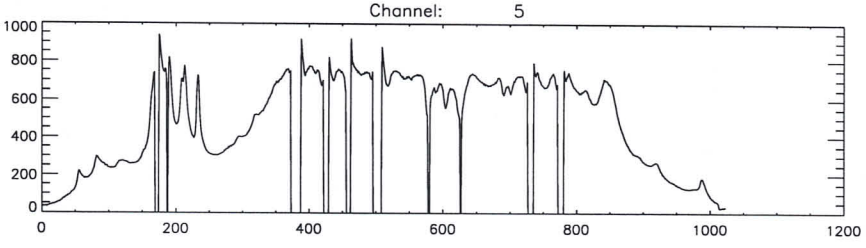
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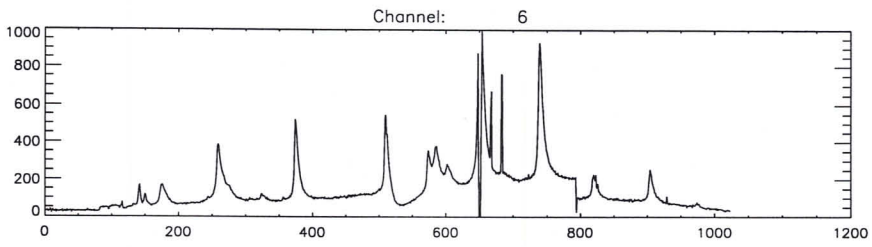
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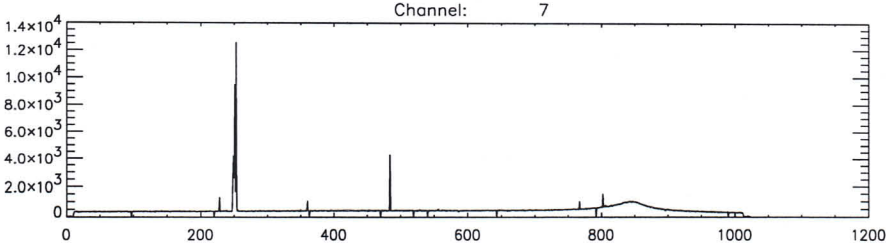
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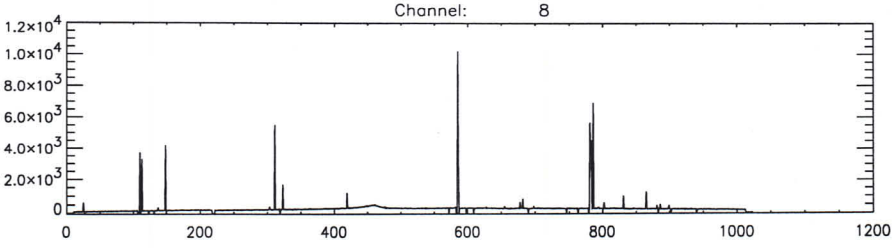
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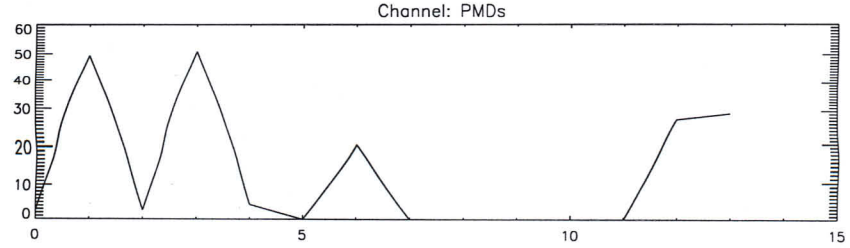
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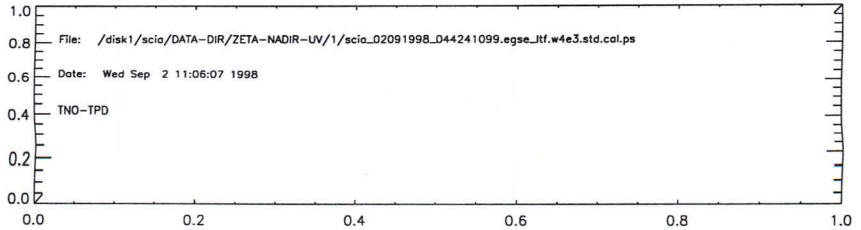
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Date: Wed Sep 2 11:06:07 1998
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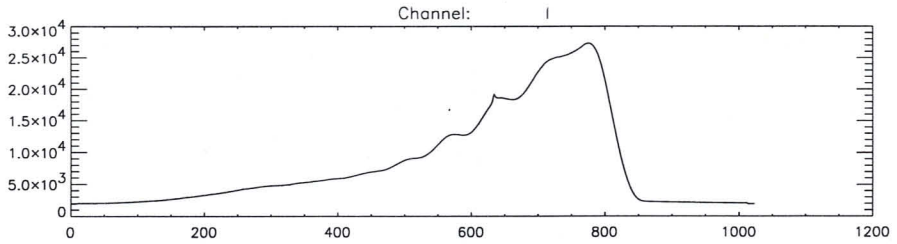
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2.0x10^4
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1.0x10^4
5.0x10^3
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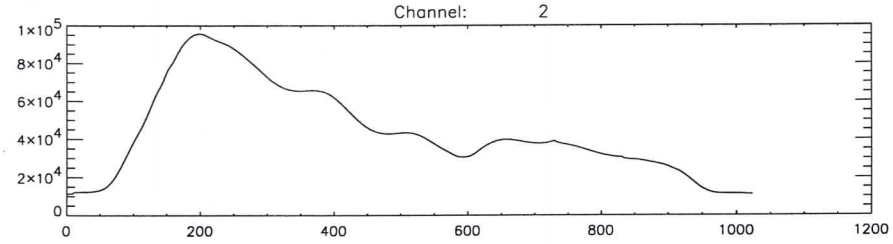
600
800
1000
1200


Channel: 2
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6x10^4
4x10^4
2x10^4
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1000
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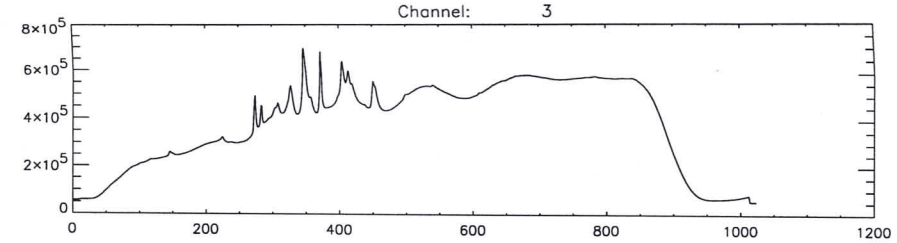
Channel: 3
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4x10^5
2x10^5
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600
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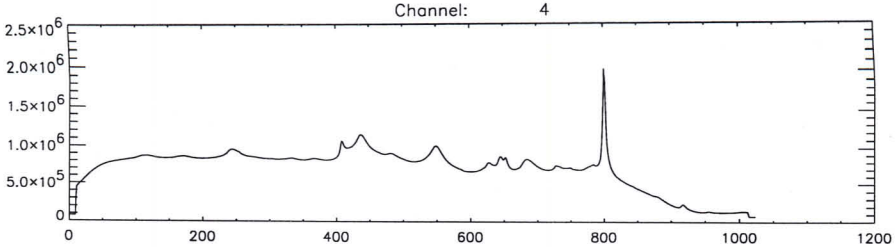
Channel: 4
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1.5x10^6
1.0x10^6
5.0x10^5
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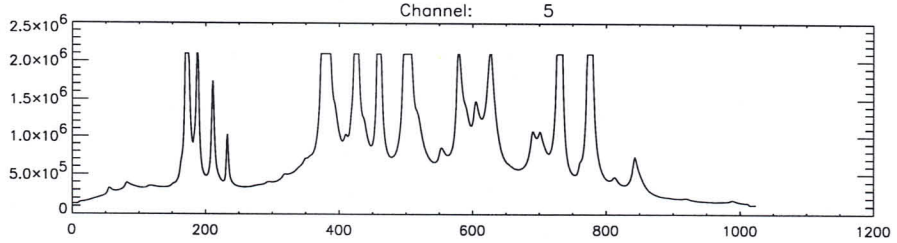
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
0
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1000
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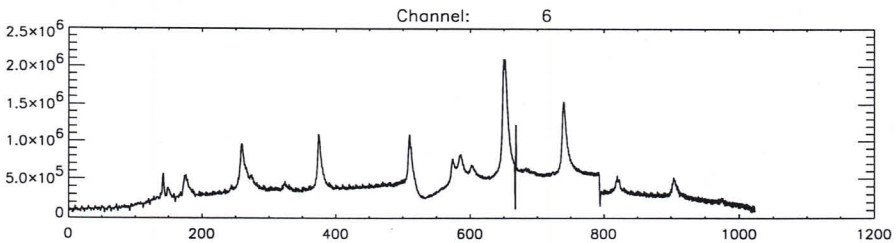
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1000
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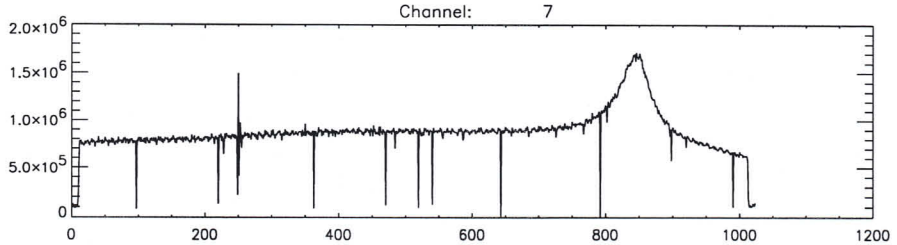
Channel: 7
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1.0x10^6
5.0x10^5
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1000
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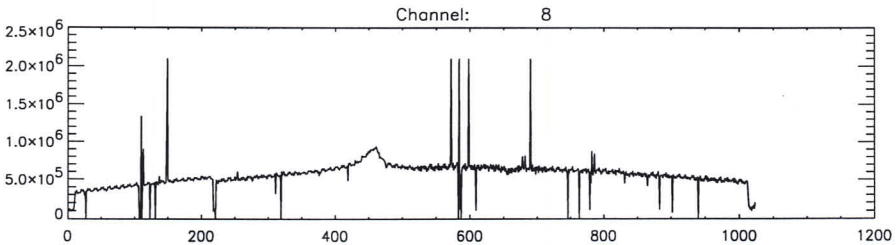
Channel: 8
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1.5x10^6
1.0x10^6
5.0x10^5
0
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1000
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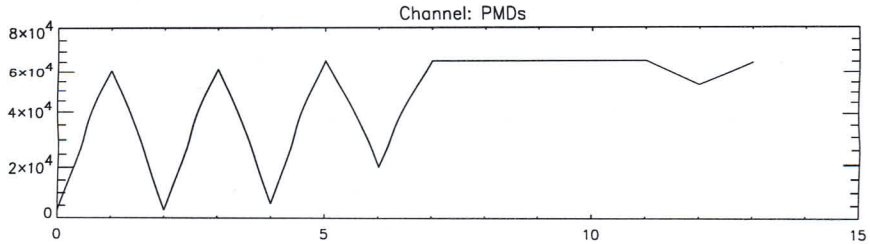
Channel: PMDs
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4x10^4
2x10^4
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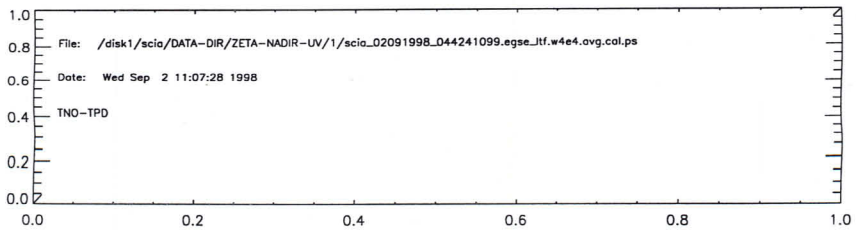
0
5
10
15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Date: Wed Sep 2 11:07:28 1998
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0.2
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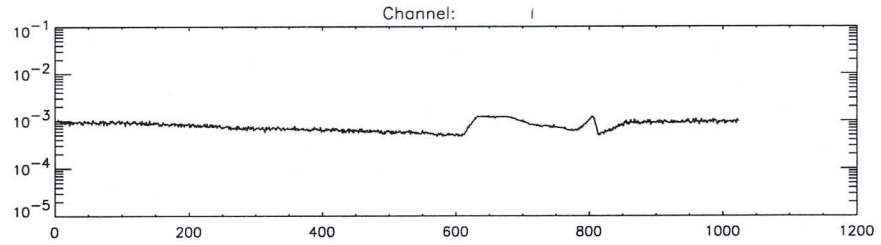
0.8
1.0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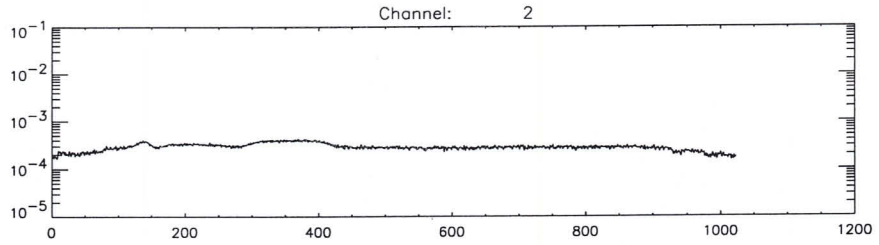
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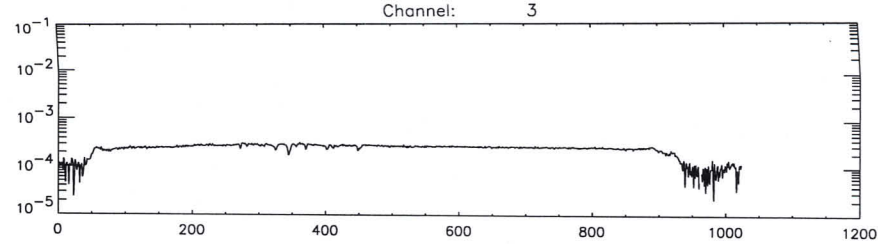
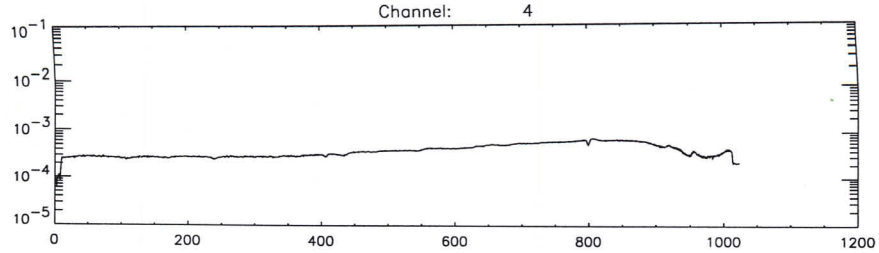
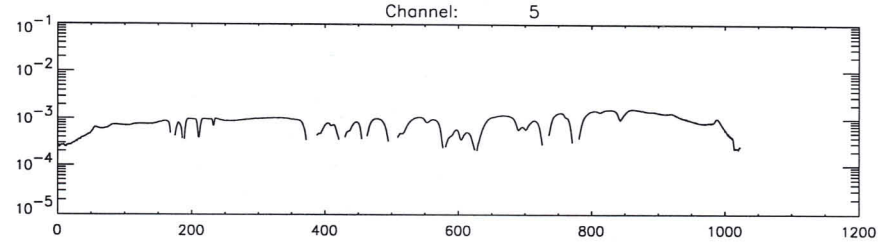

Channel: 3


Channel: 4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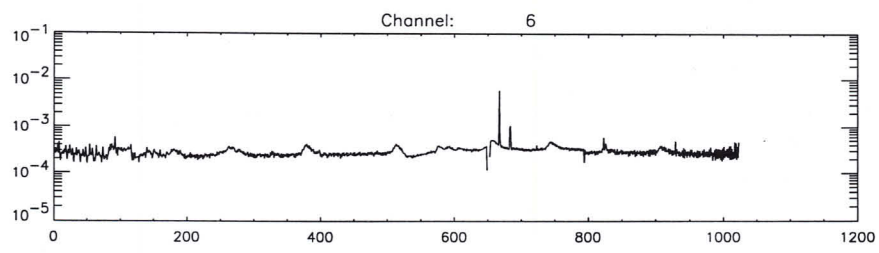
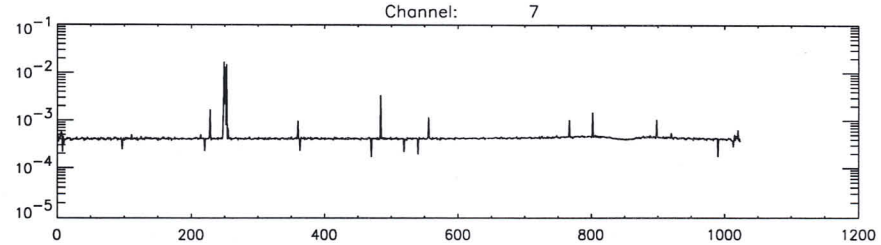

Channel: 6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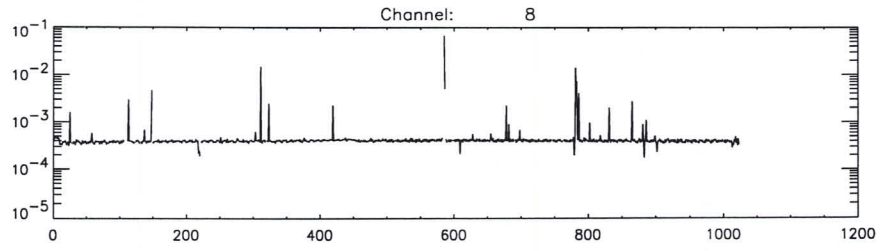
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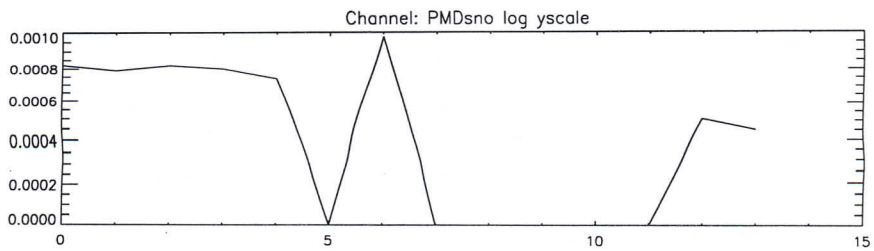
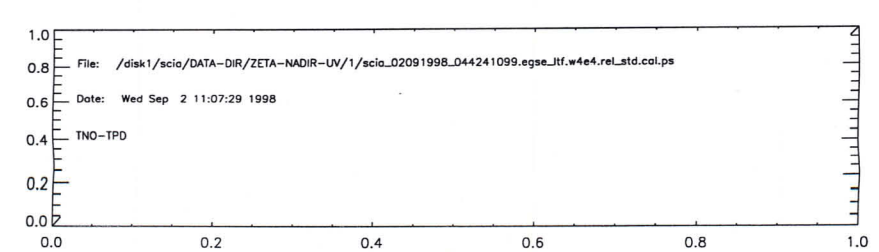

Channel: PMDsno log yscale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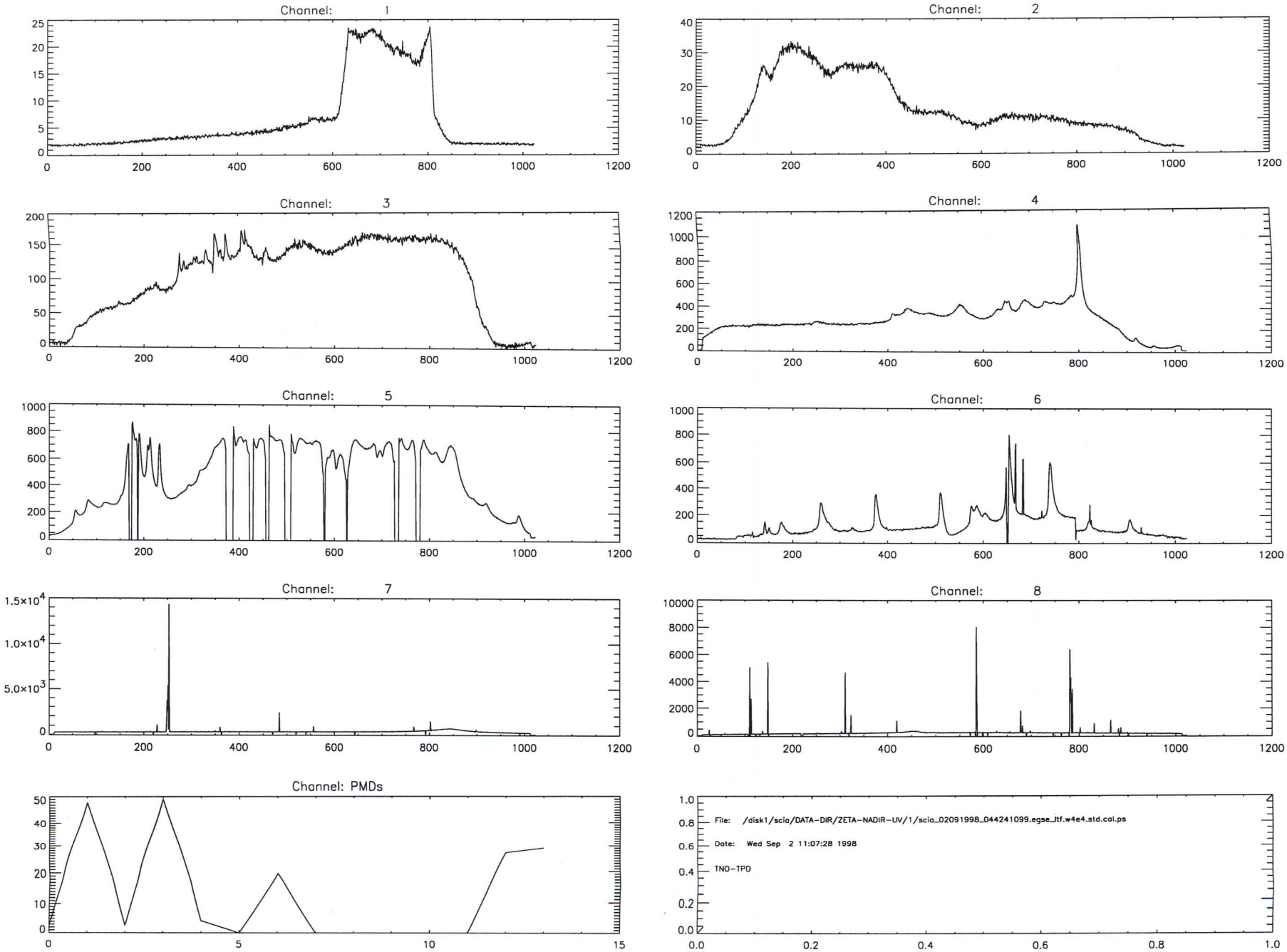
Date: Wed Sep 2 11:07:29 1998
TNO-TPD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Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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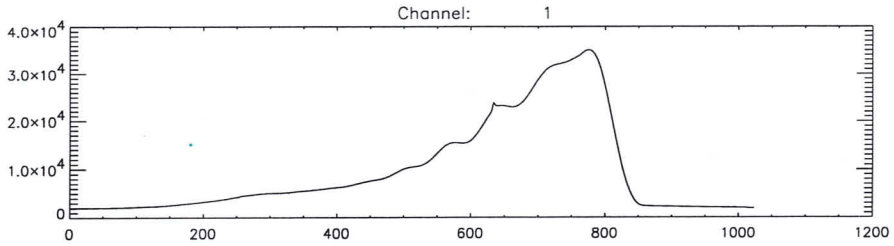
Date: Wed Sep 2 11:07:28 1998
TNO-TPD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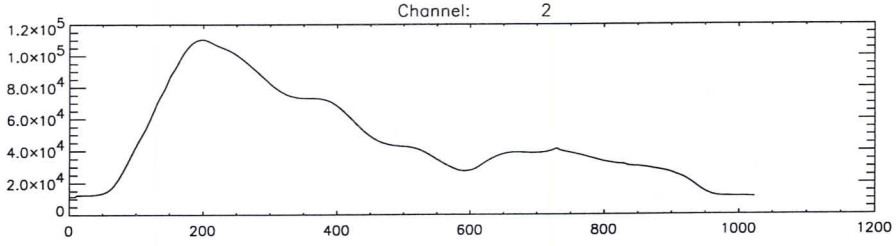
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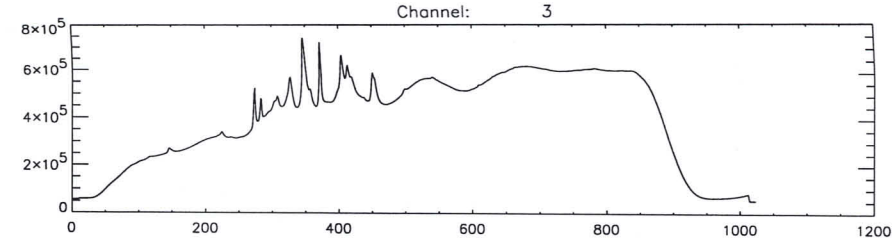
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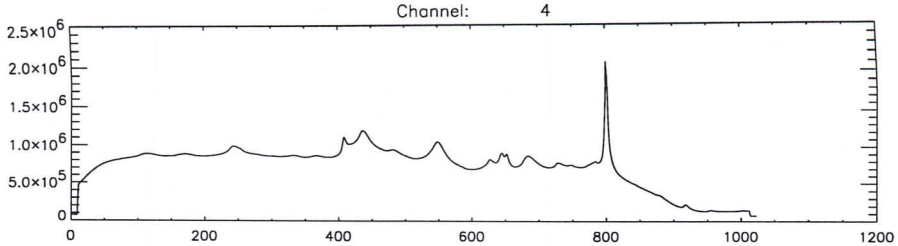
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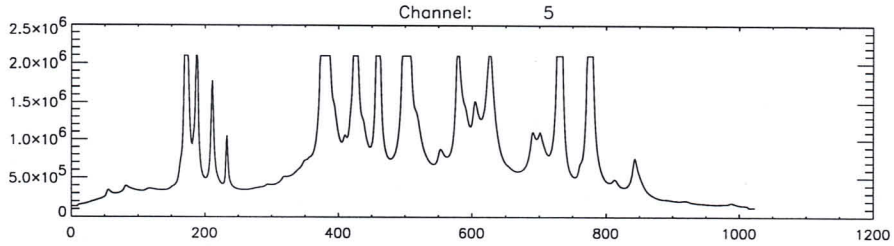
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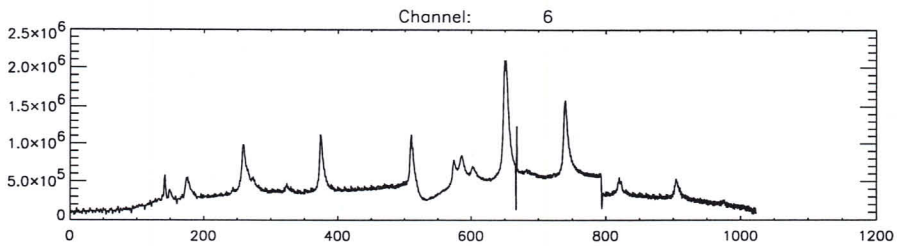
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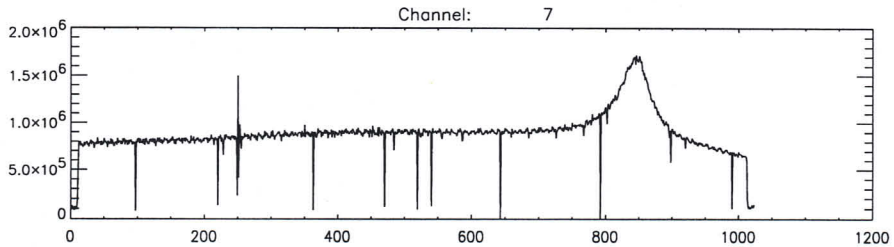
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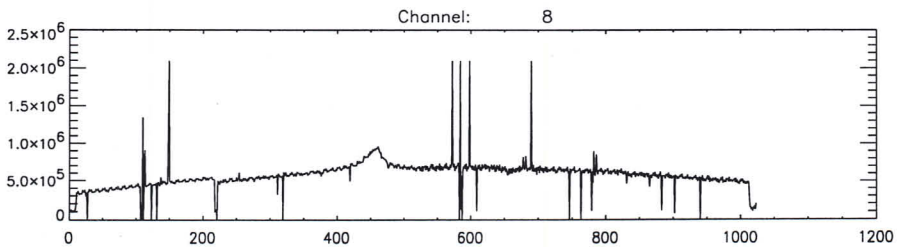
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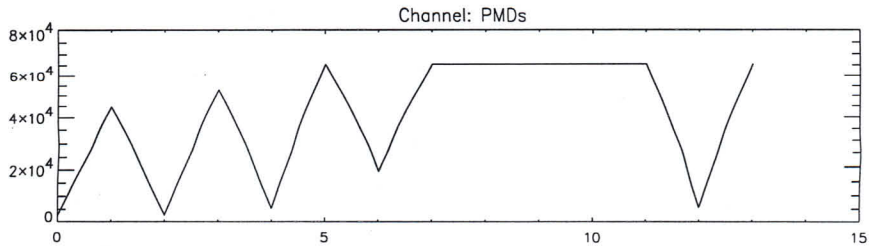
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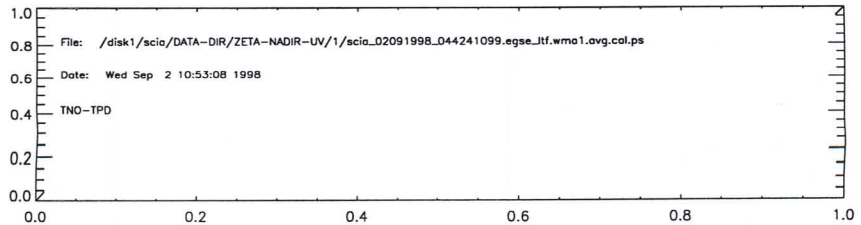
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File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wma1.avg.cal.ps
Date: Wed Sep 2 10:53:08 1998
TNO-TPD
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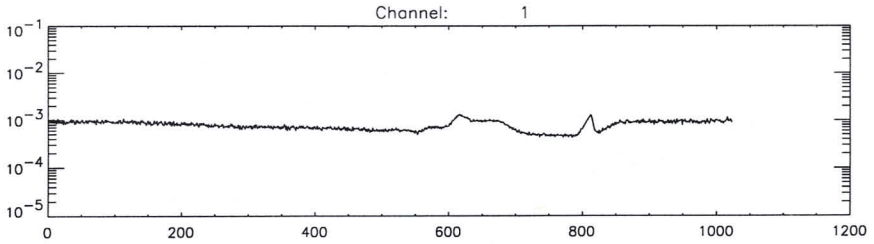
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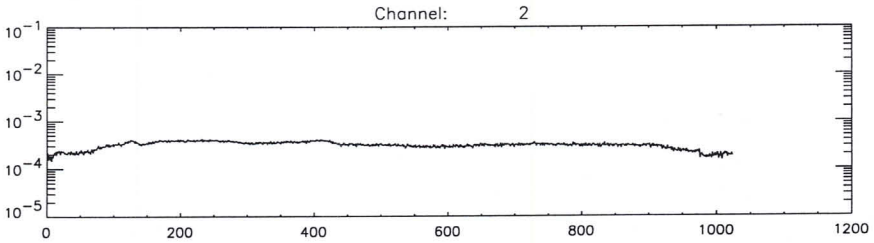
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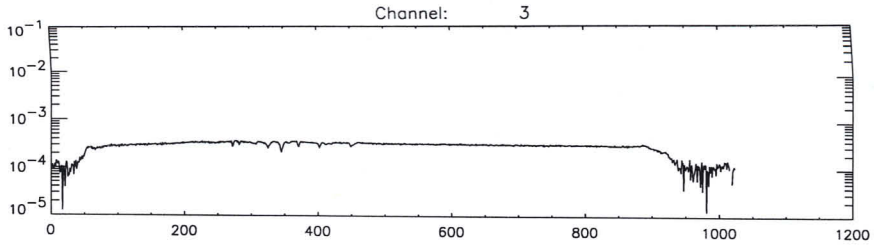
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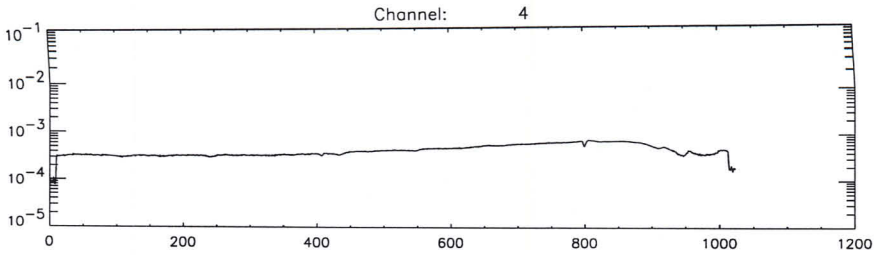
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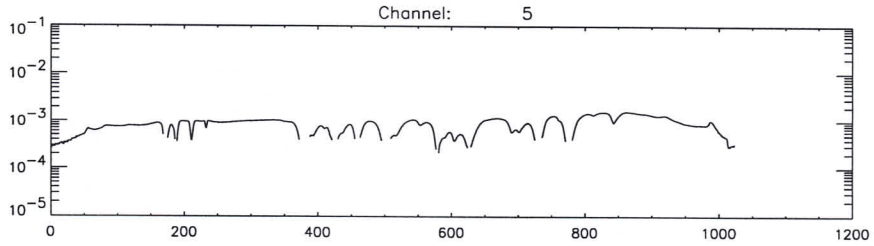
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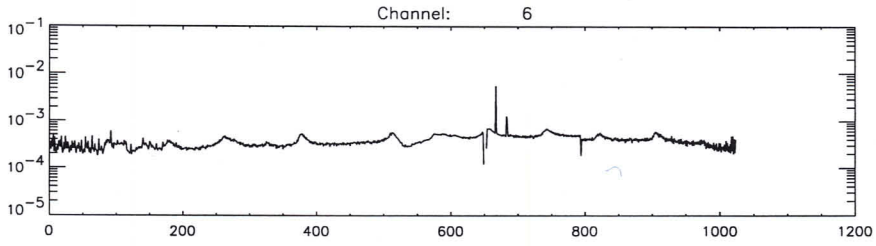
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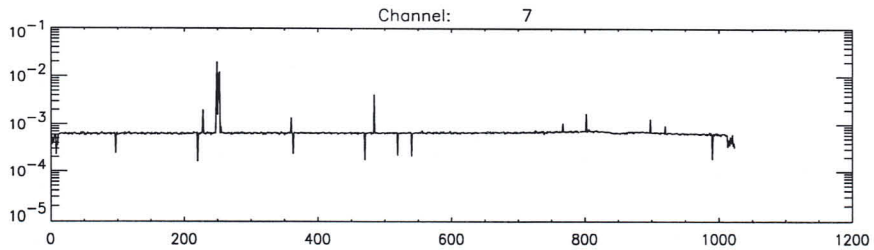
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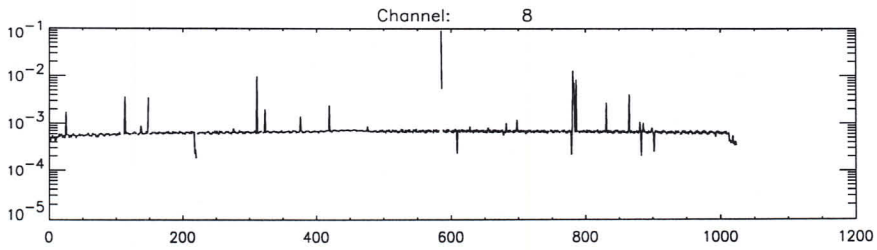
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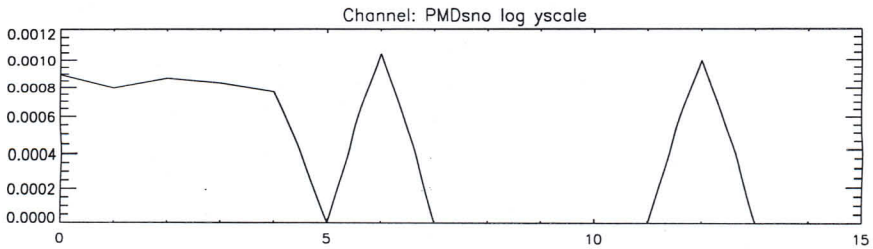
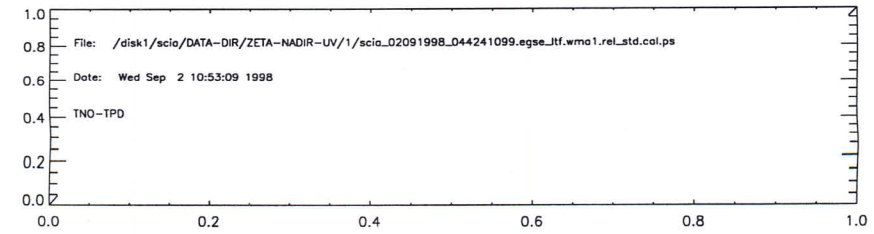

Channel: PMDsno log yscale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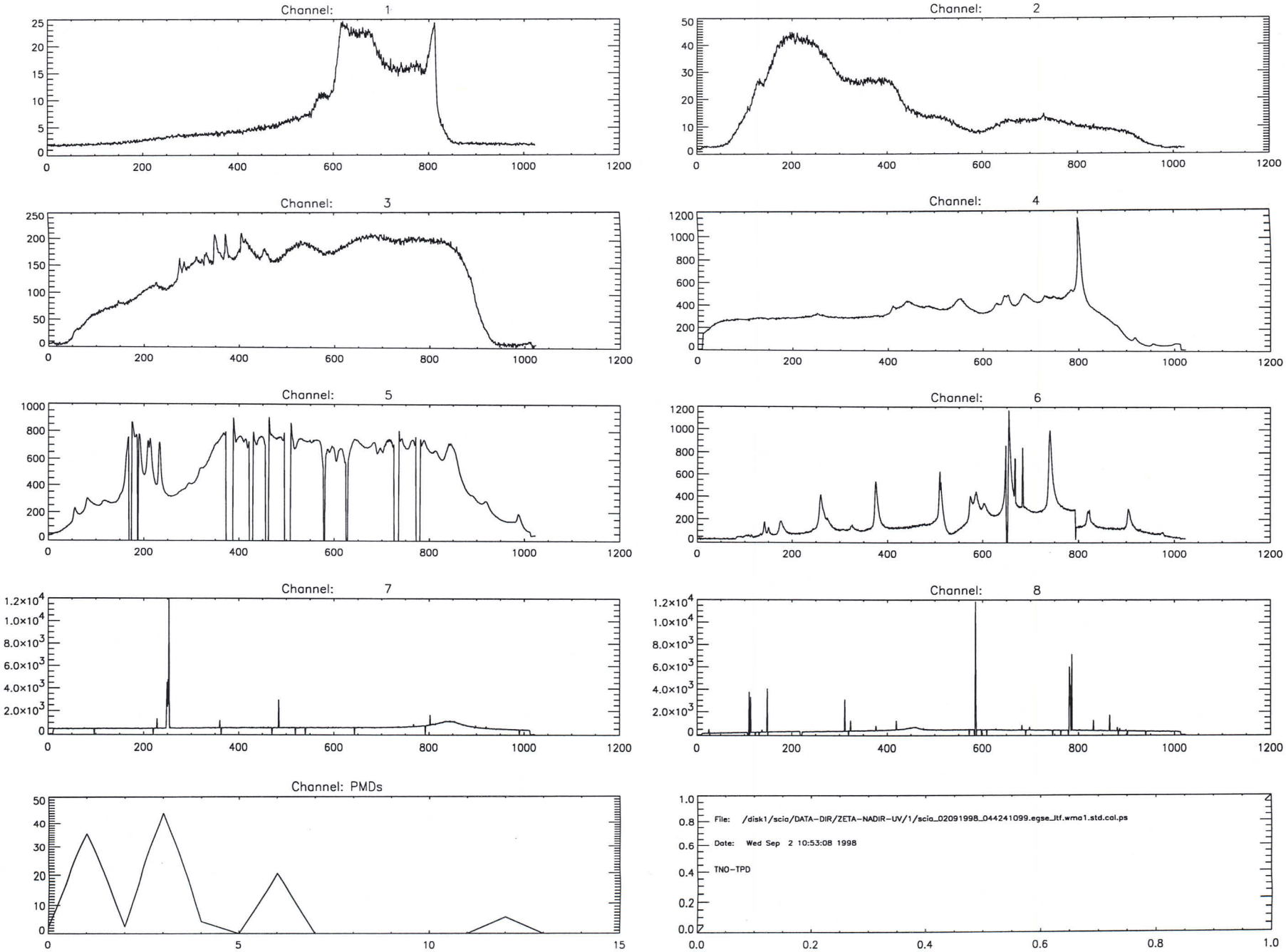
Date: Wed Sep 2 10:53:09 1998
TNO-TPD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Channel: 2
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Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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Date: Wed Sep 2 10:53:08 1998
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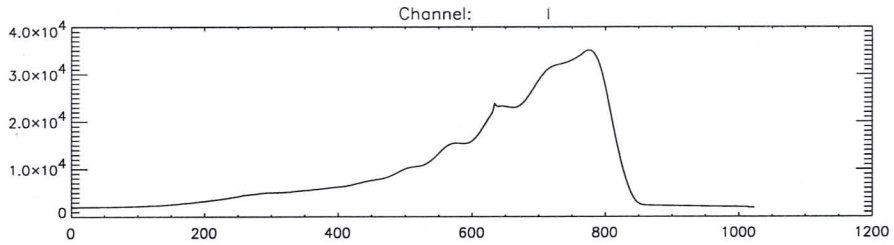
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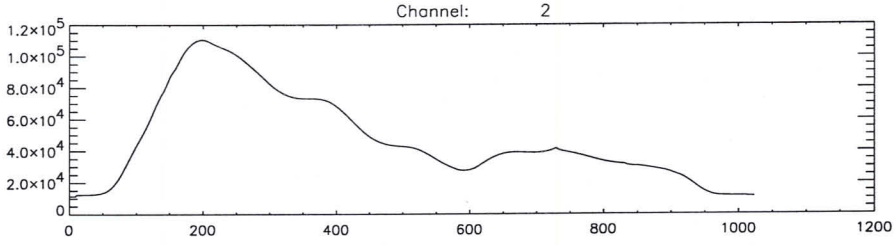
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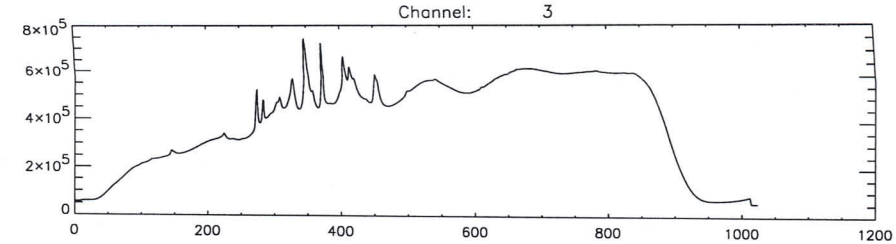
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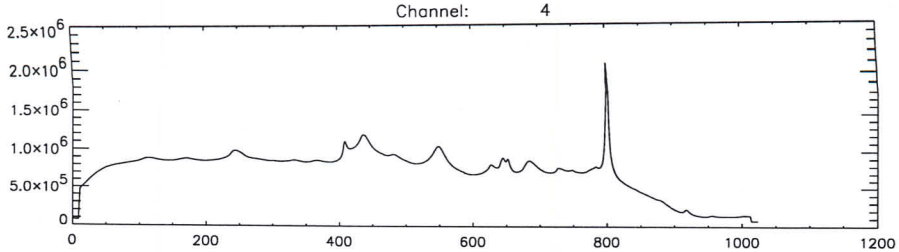
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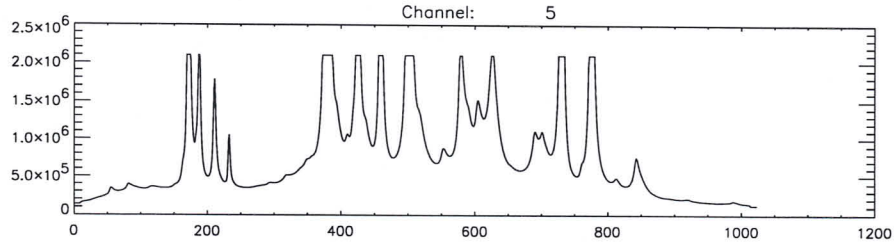
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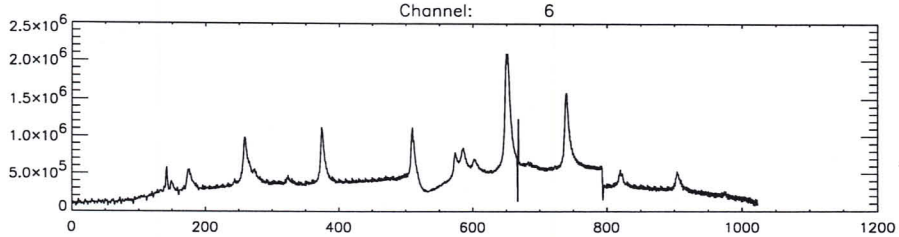
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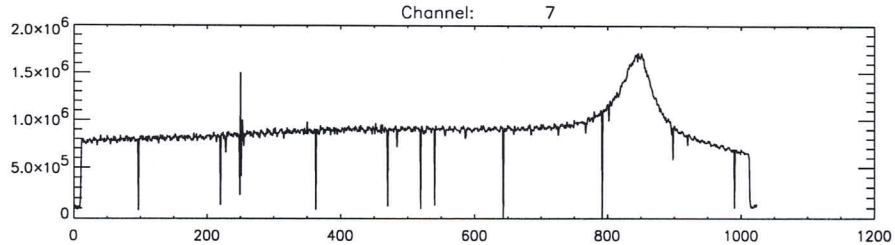
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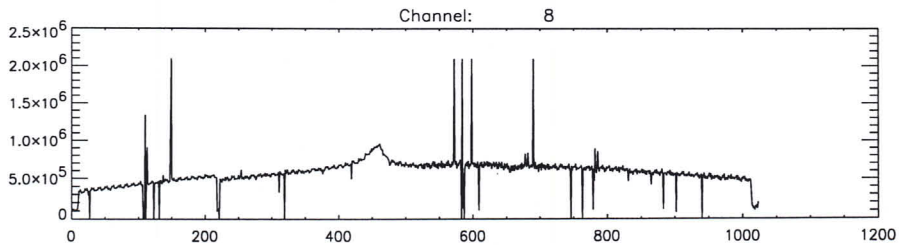
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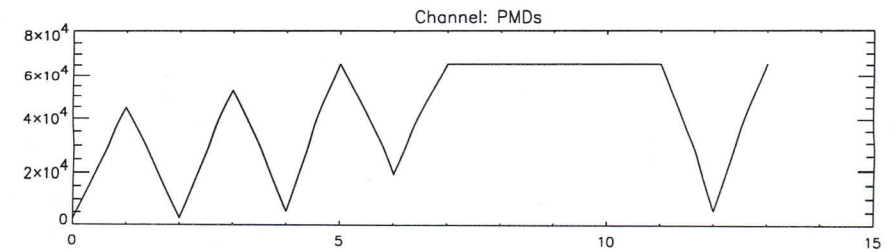
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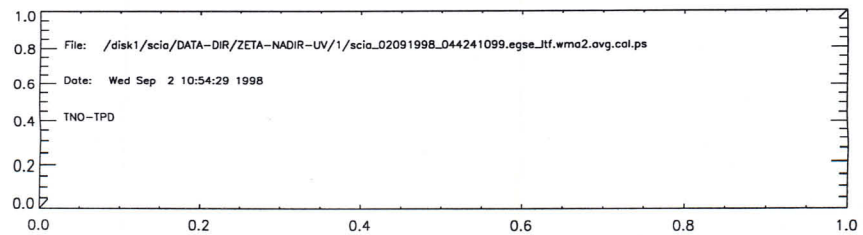
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Date: Wed Sep 2 10:54:29 1998
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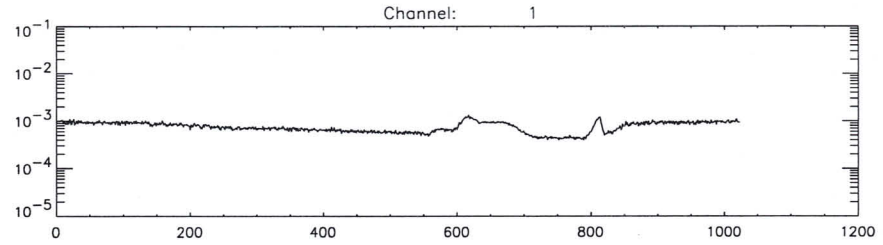
0.8
1.0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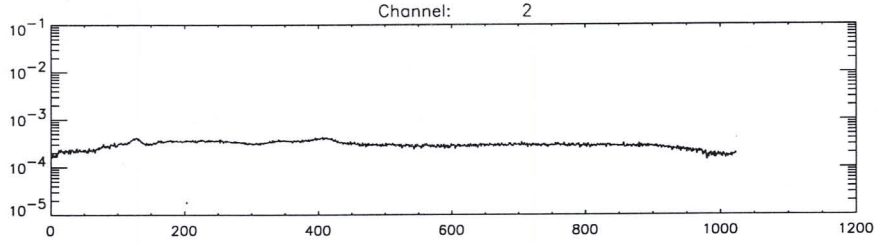
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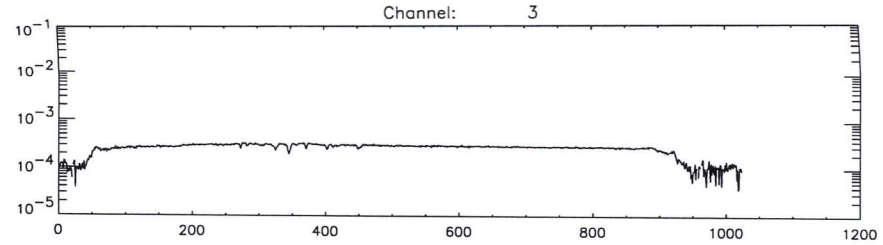
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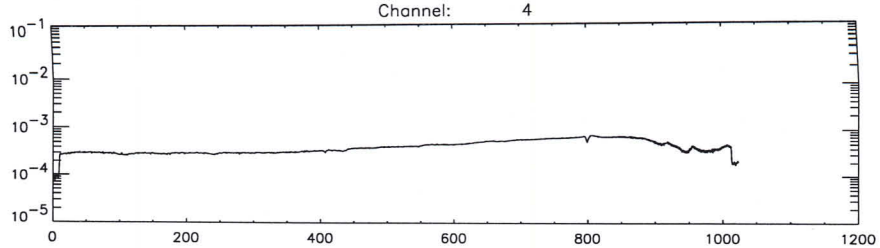
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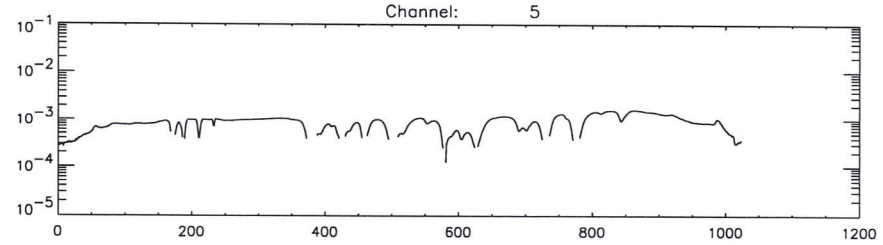
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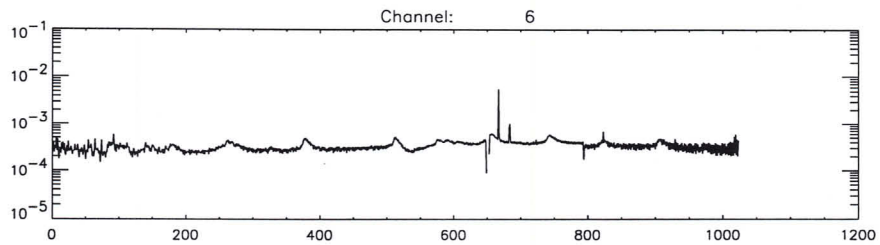
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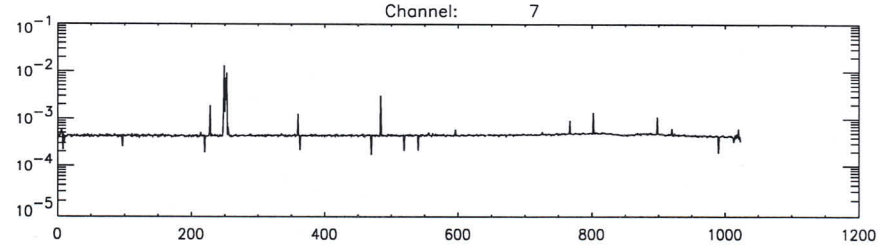
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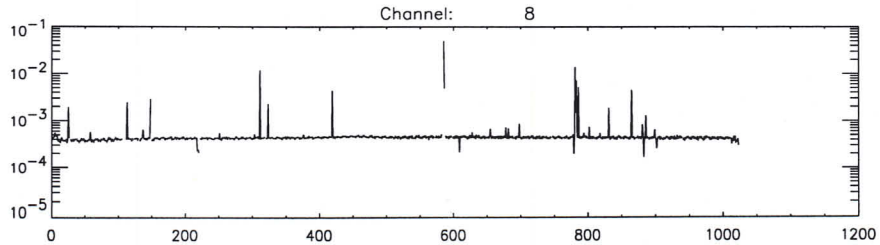
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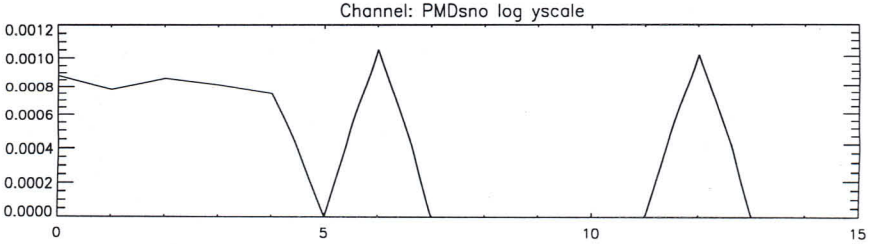
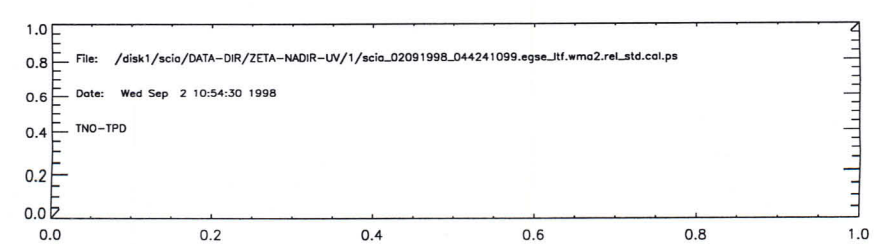

Channel: PMDsno log yscale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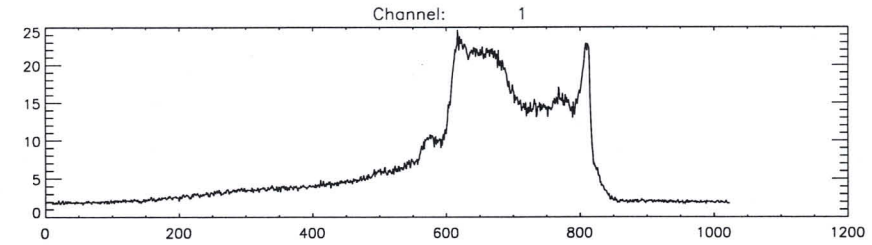
Date: Wed Sep 2 10:54:30 1998
TNO-TPD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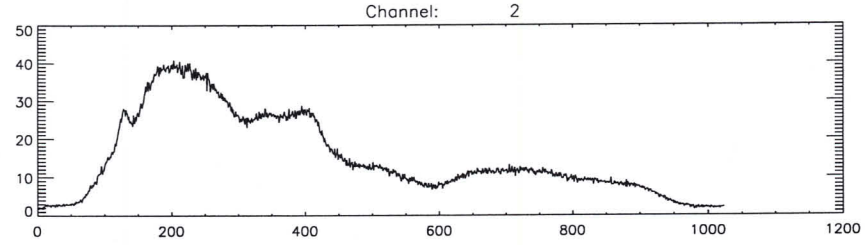
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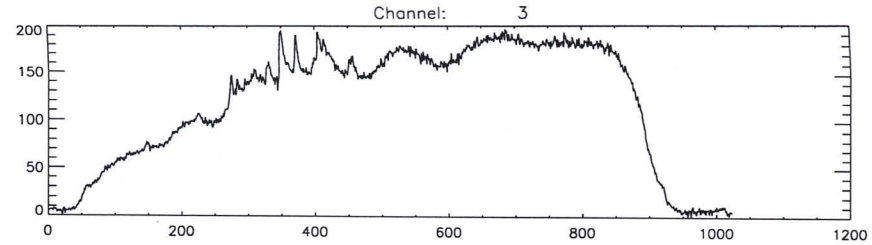
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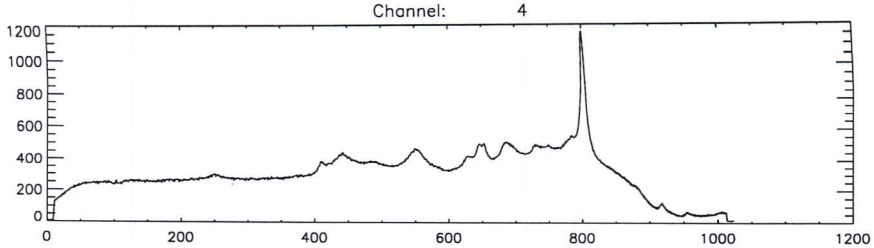
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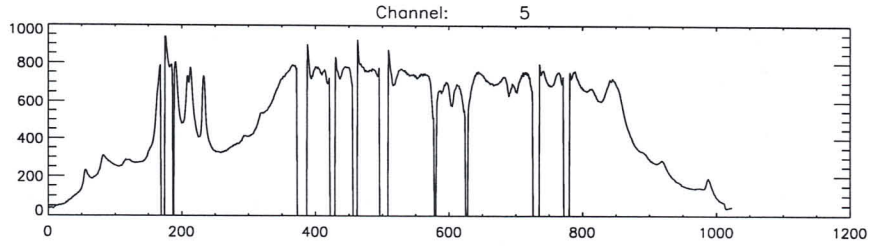
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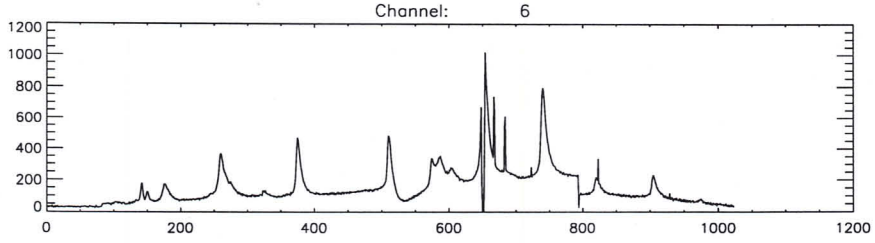
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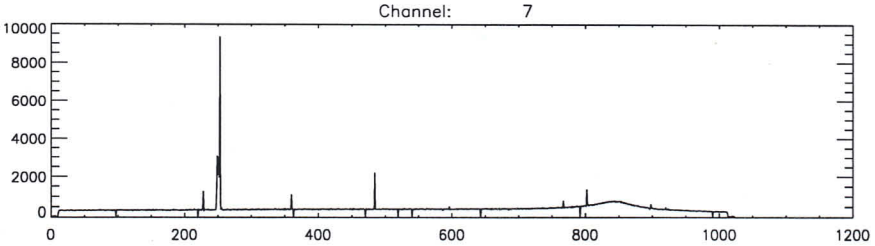
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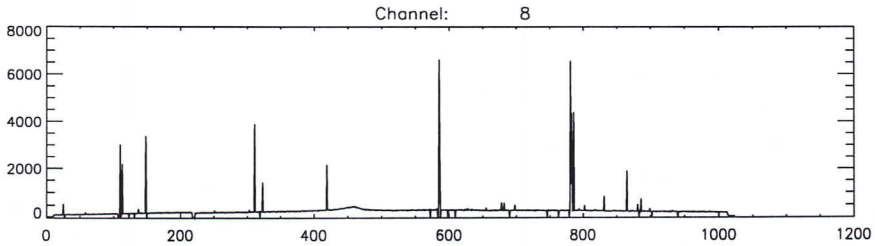
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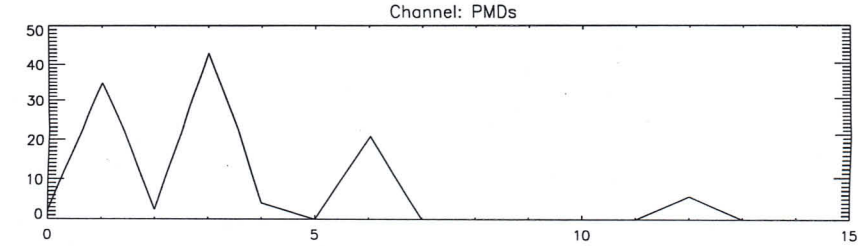
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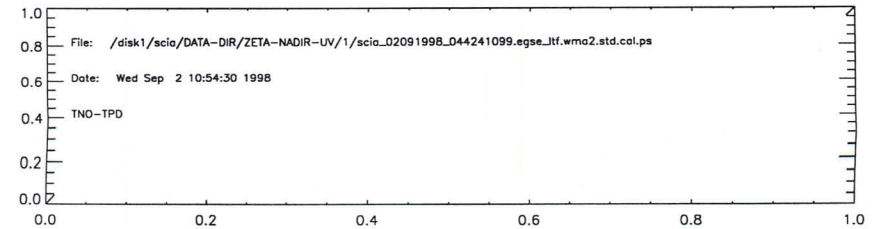
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Date: Wed Sep 2 10:54:30 1998
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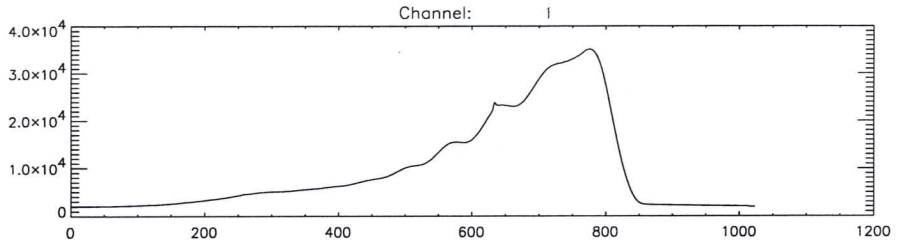
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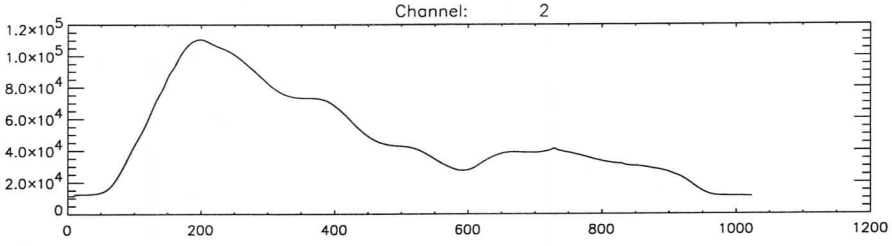
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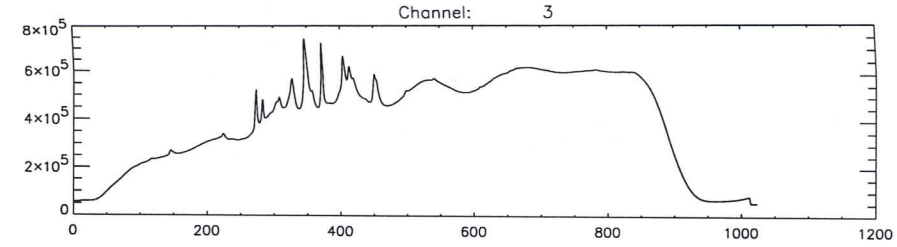
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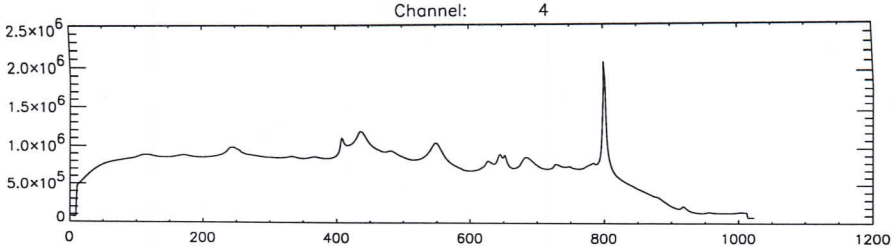
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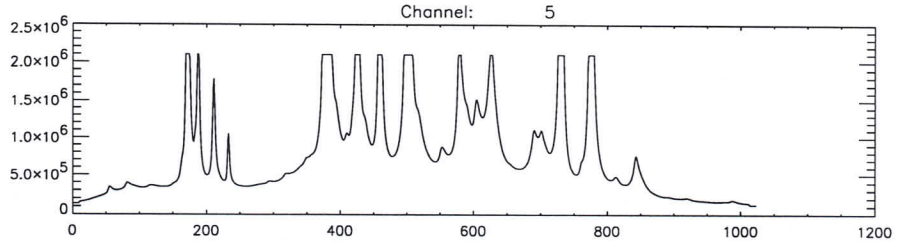
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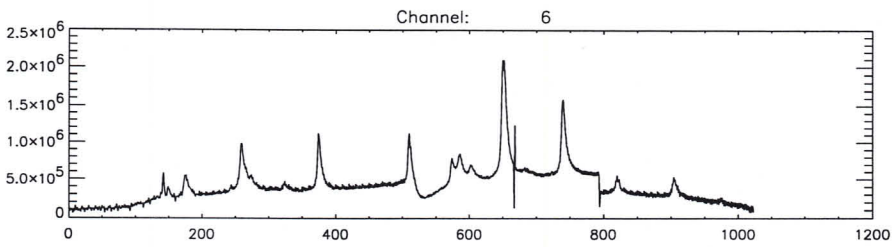
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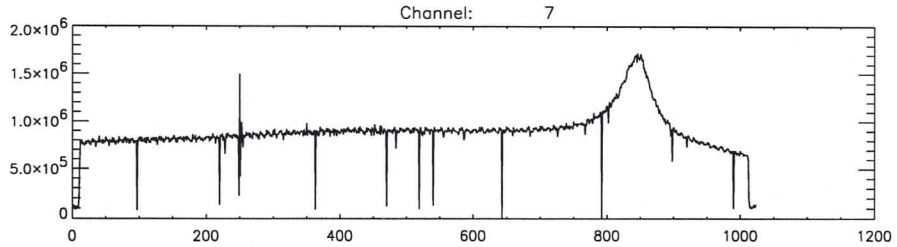
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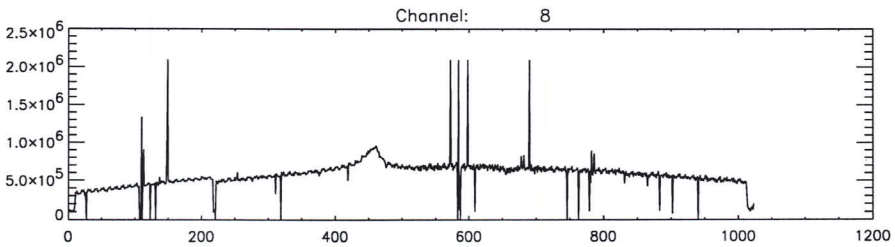
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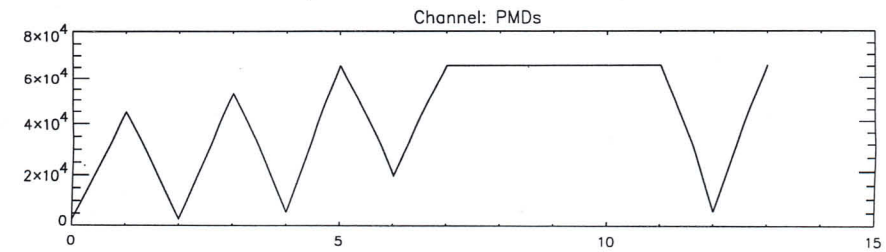
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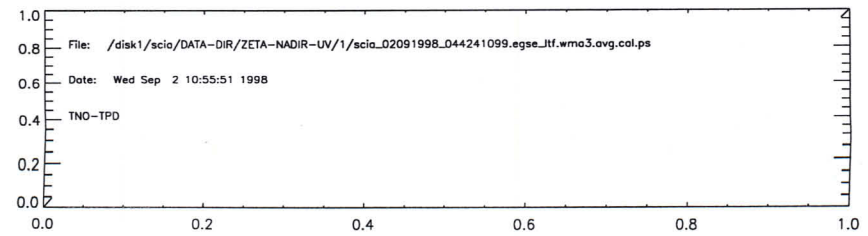
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Date: Wed Sep 2 10:55:51 1998
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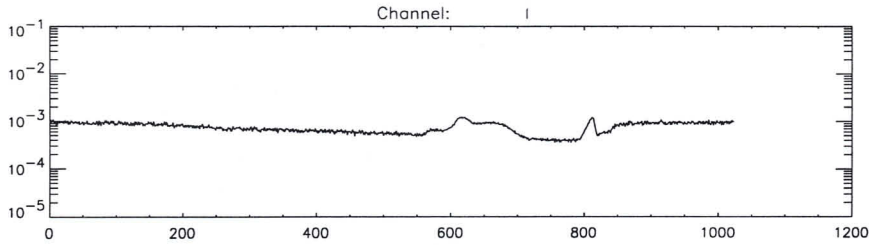
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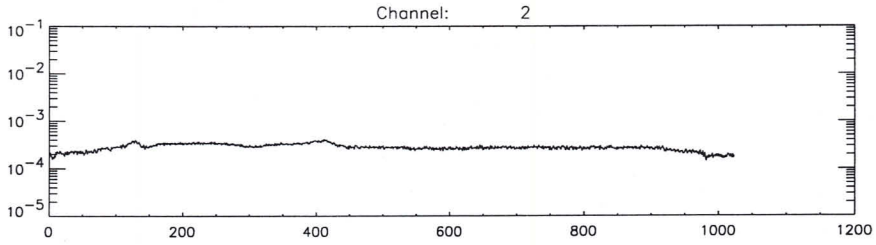
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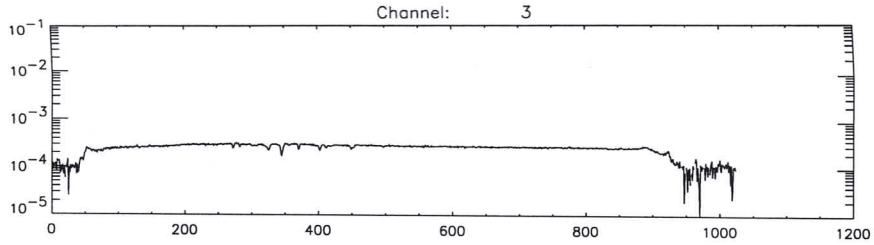
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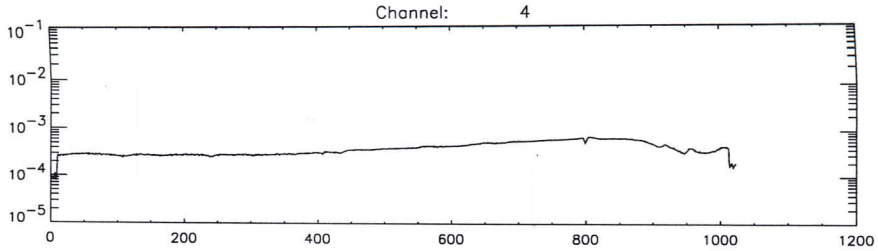
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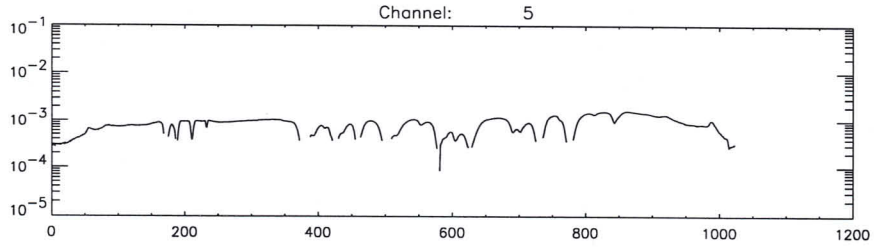
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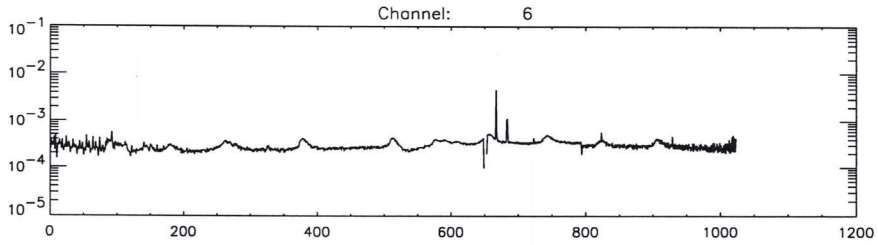
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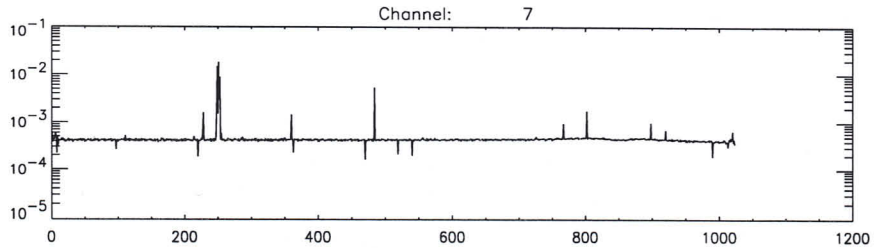
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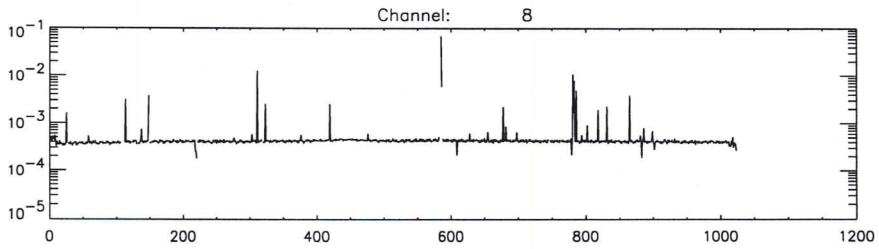
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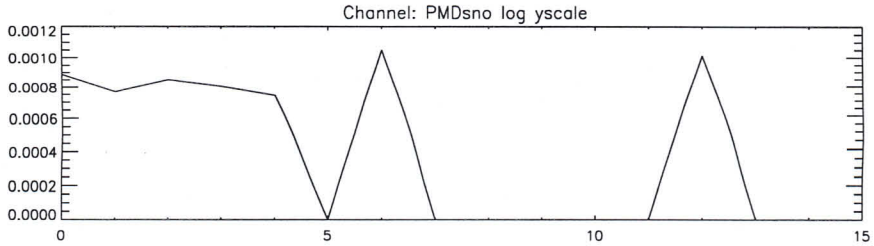
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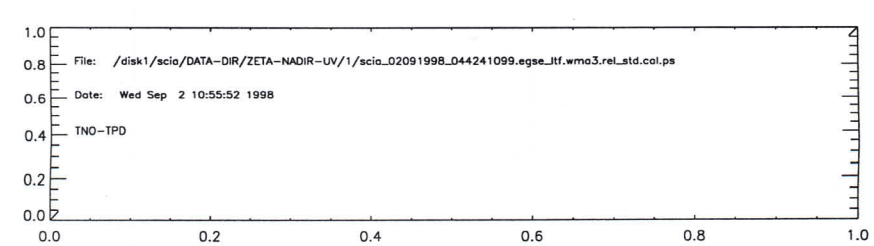
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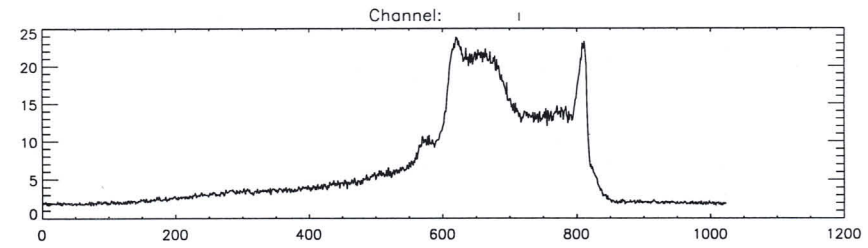
Date: Wed Sep 2 10:55:52 1998
TNO-TPD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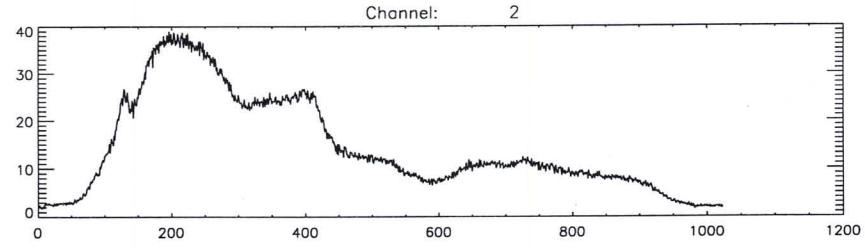
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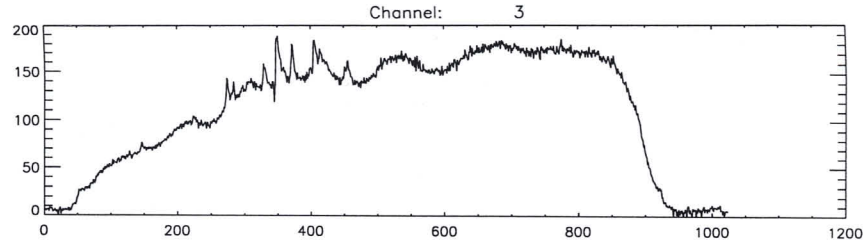
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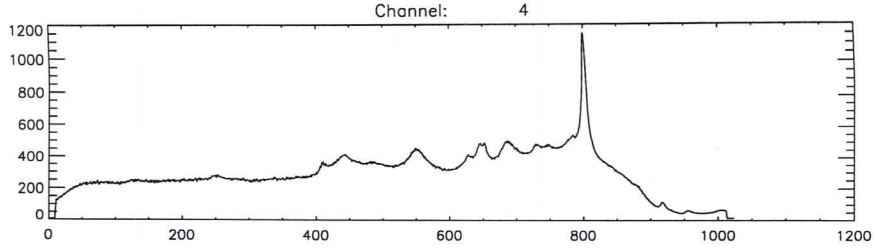
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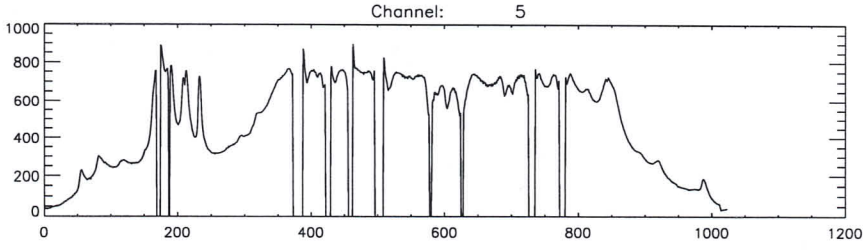
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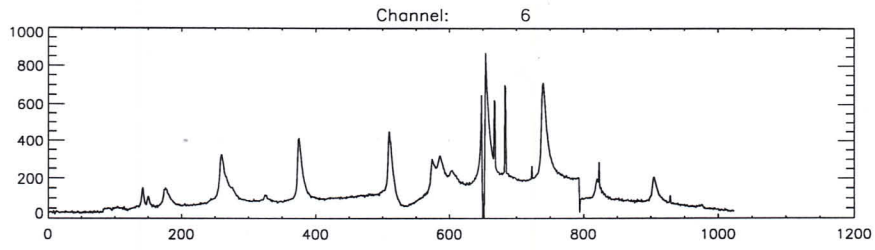
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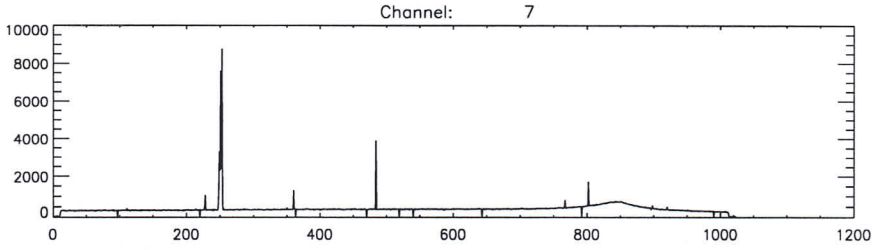
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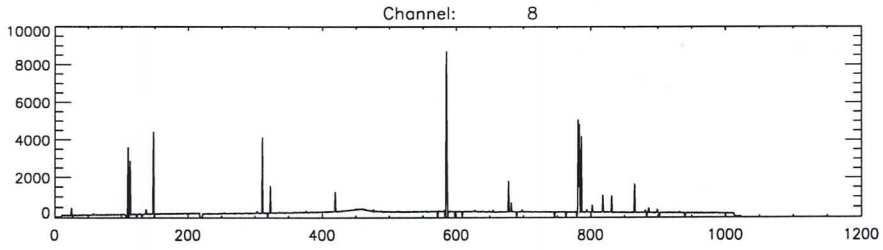
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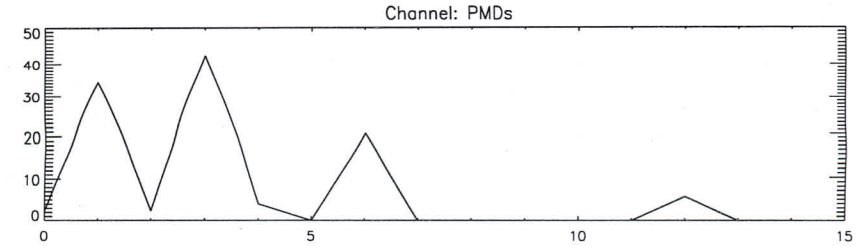
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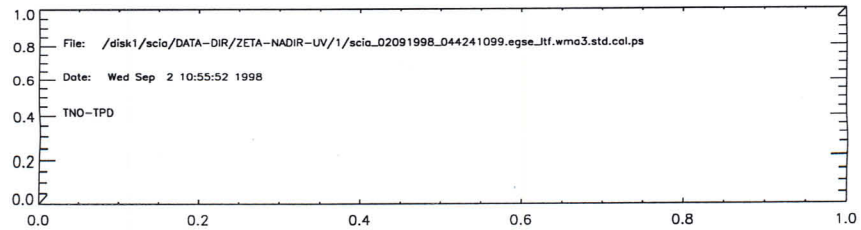
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Date: Wed Sep 2 10:55:52 1998
TNO-TPD
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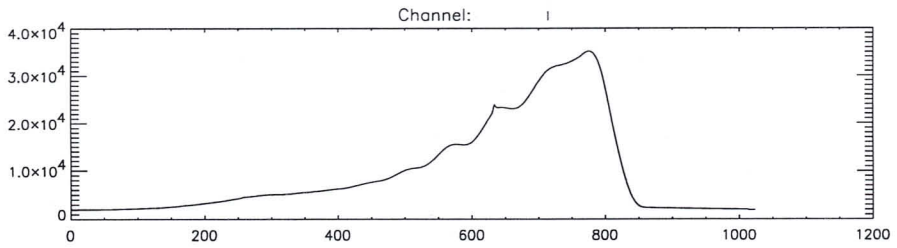
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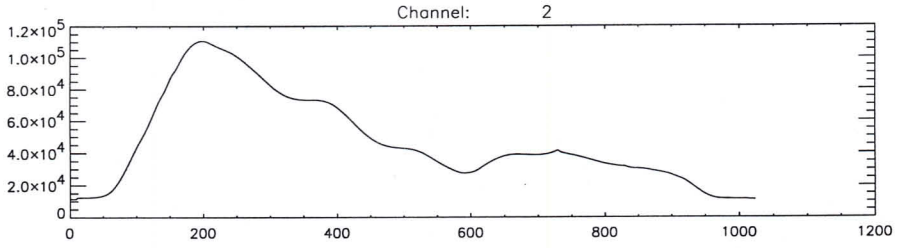
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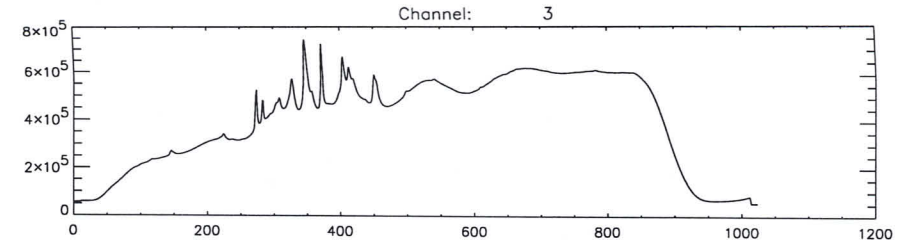
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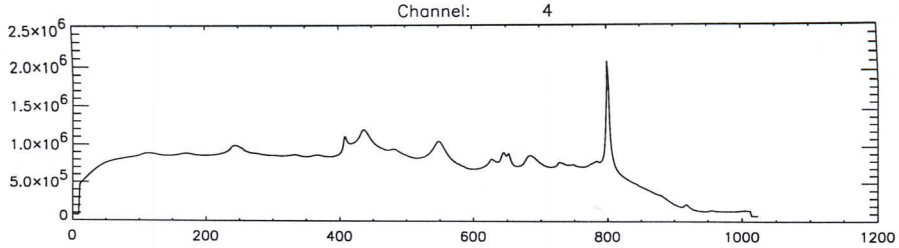
Channel: 4
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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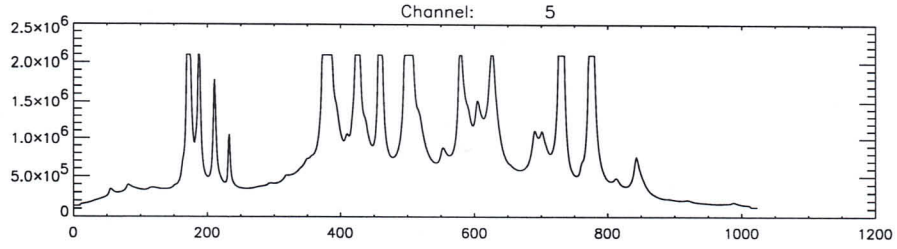
400
600
800
1000
1200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2.5x10^6
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1.5x10^6
1.0x10^6
5.0x10^5
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600
800
1000
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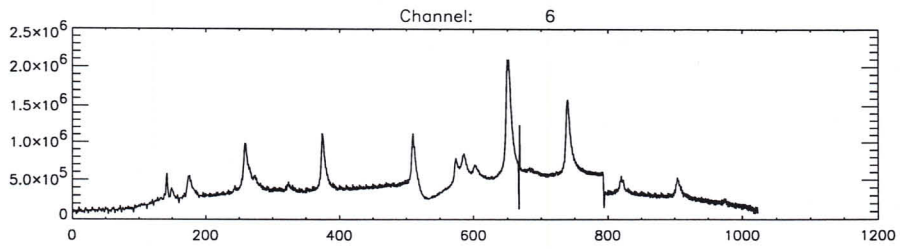
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2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
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600
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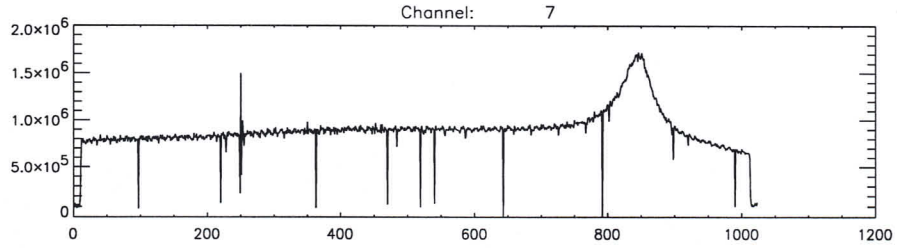
1000
1200


Channel: 7
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1.0x10^6
5.0x10^5
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1000
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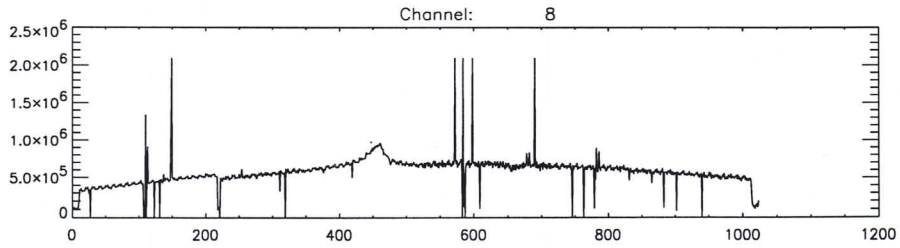
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2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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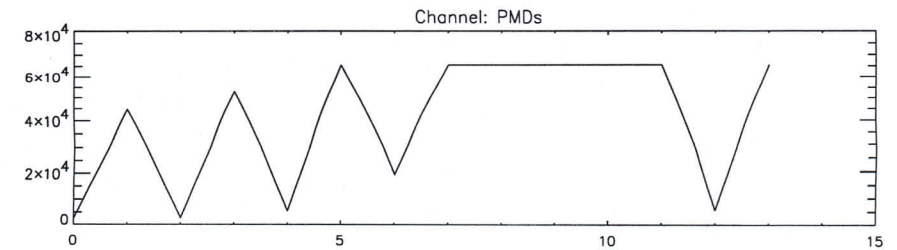
1000
1200


Channel: PMDs
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6x10^4
4x10^4
2x10^4
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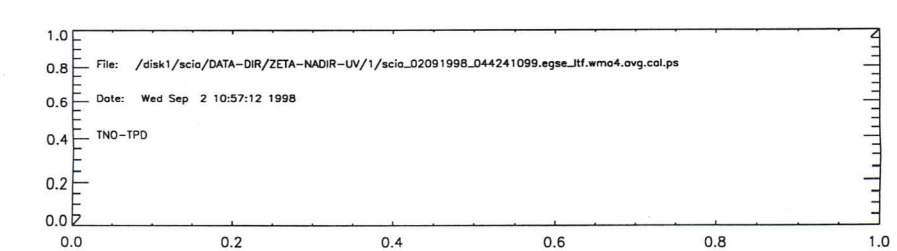
0
5
10
15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Date: Wed Sep 2 10:57:12 1998
TNO-TPD
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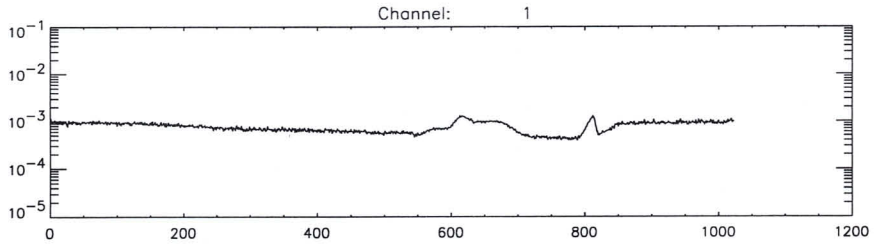
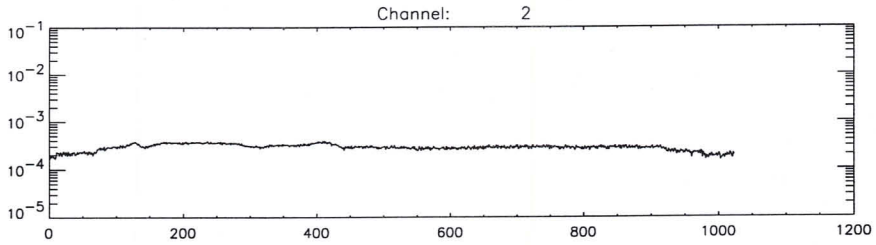
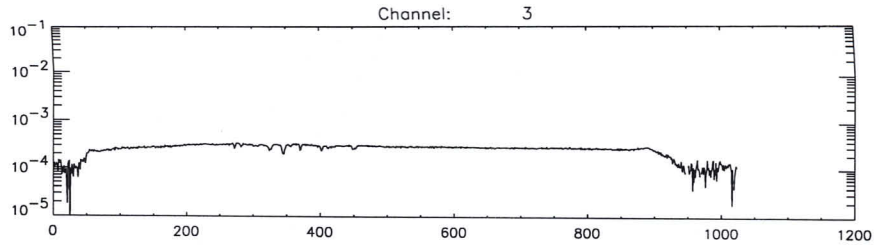
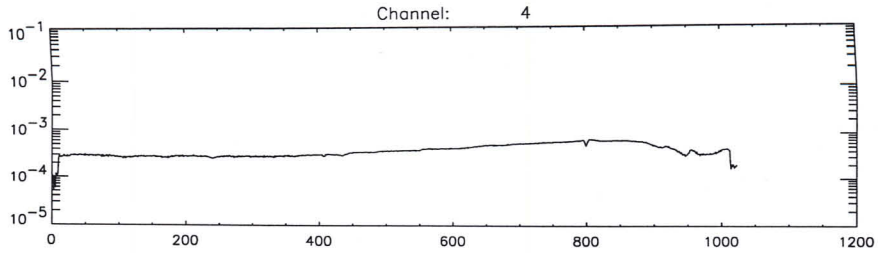
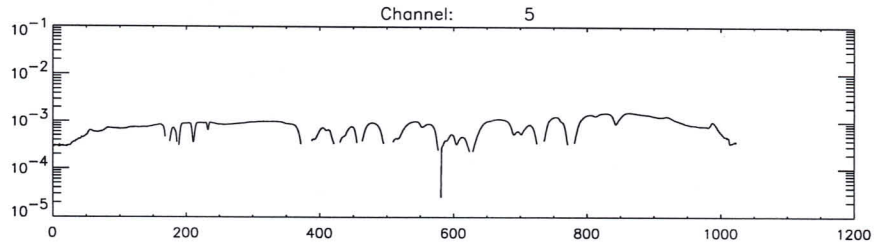
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

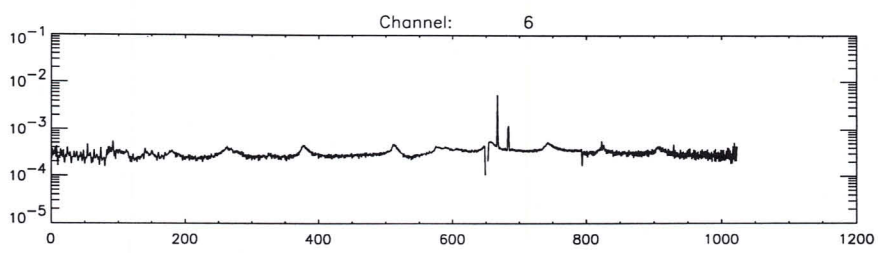

Channel: 1

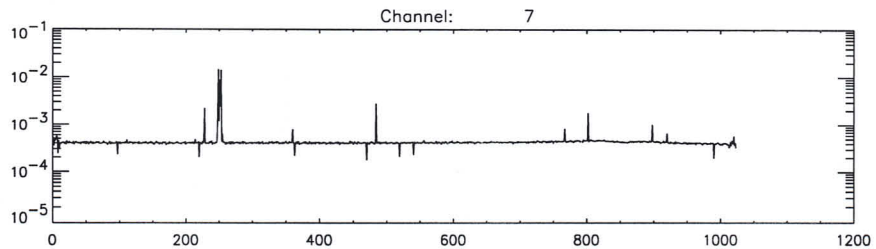

Channel: 2

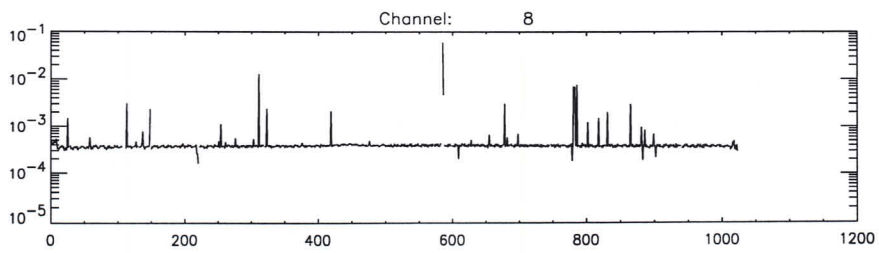

Channel: 3

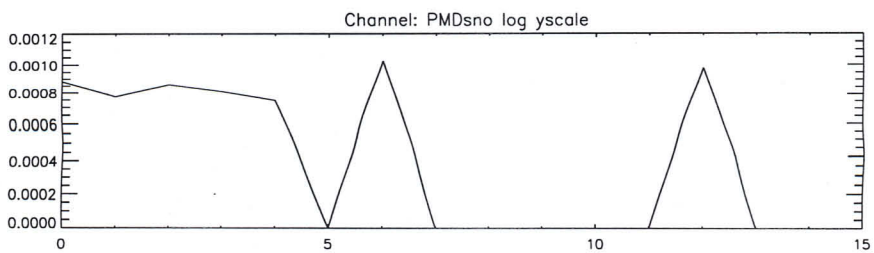

Channel: 4

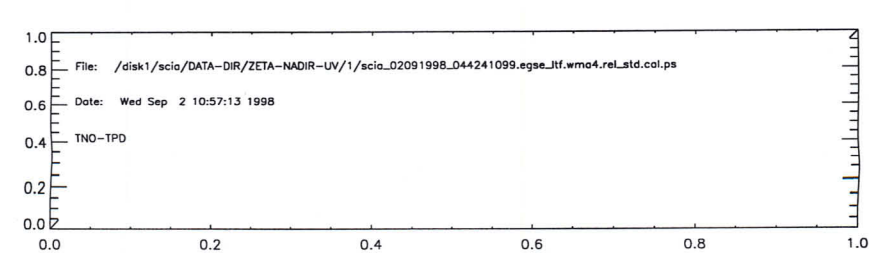

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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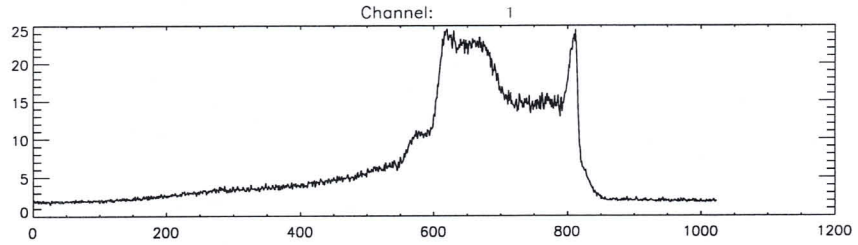
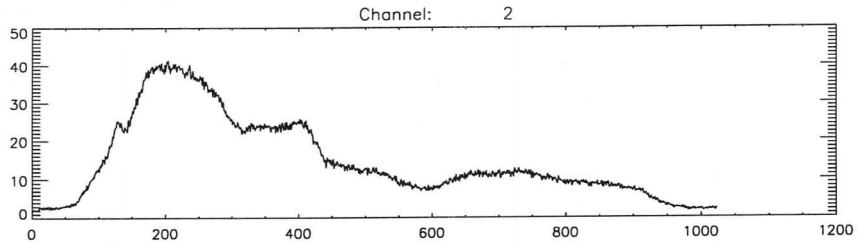
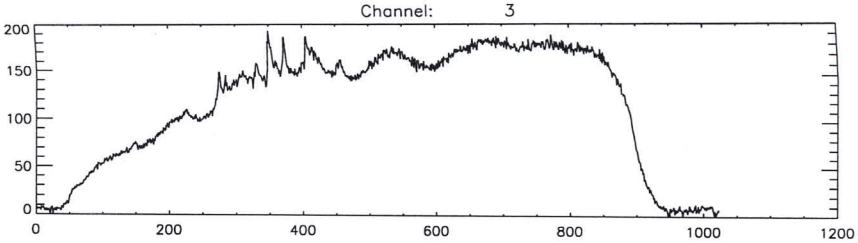
Date: Wed Sep 2 10:57:13 1998
TNO-TPD


Channel: 1


Channel: 2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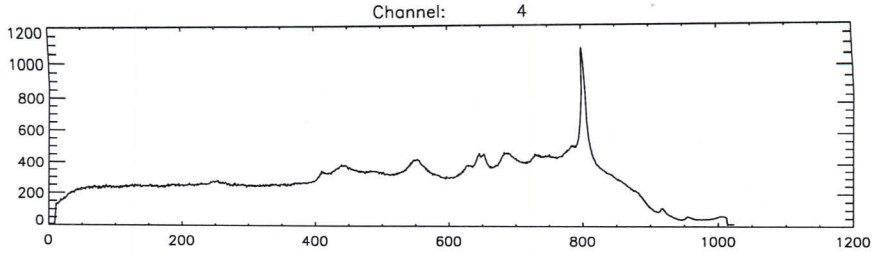
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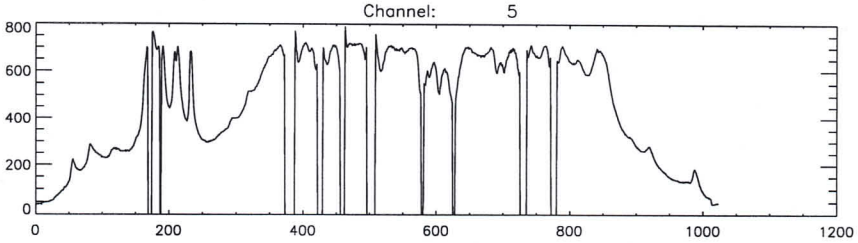
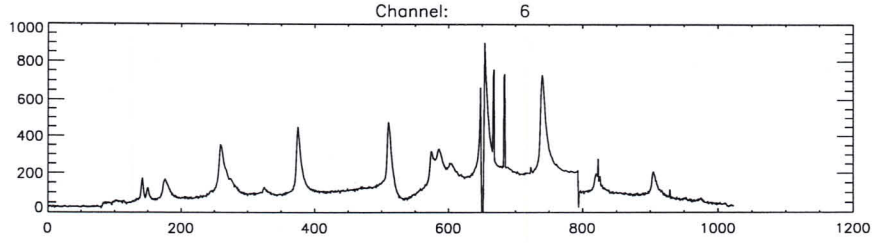
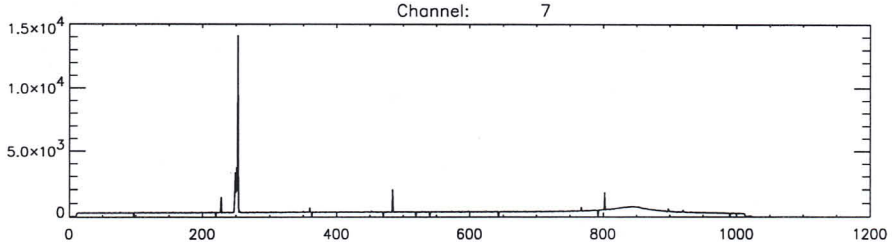

Channel: 5


Channel: 6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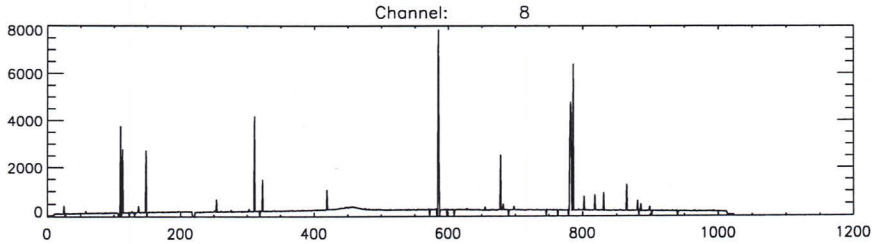
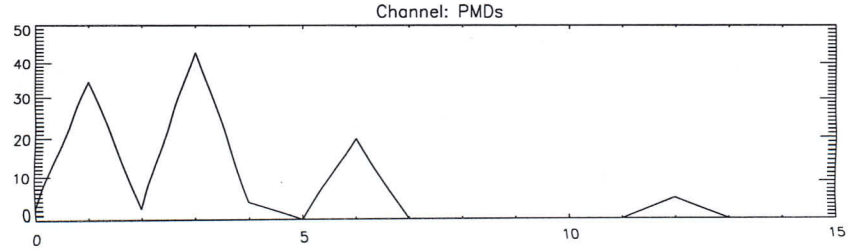
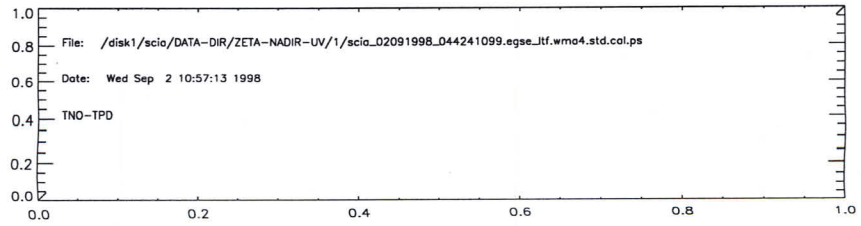

Channel: 8


Channel: PMDs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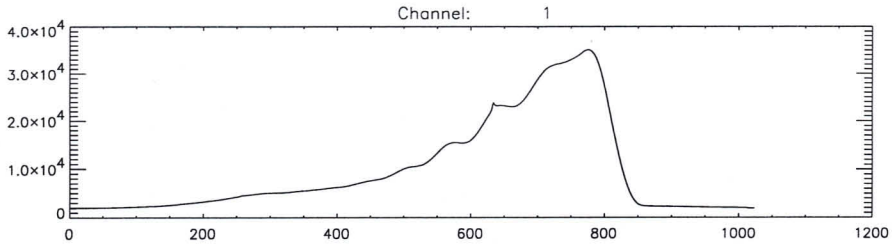
Date: Wed Sep 2 10:57:13 1998
TNO-TPD


Channel: 1
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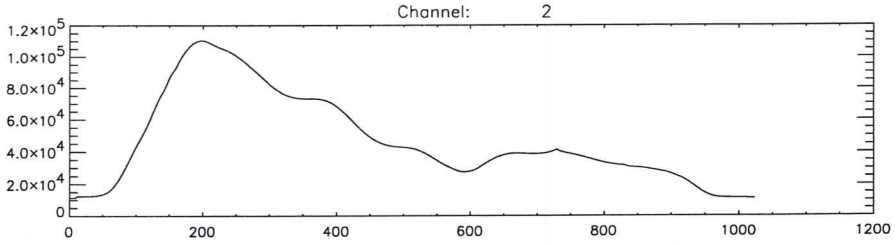
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 2
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
0
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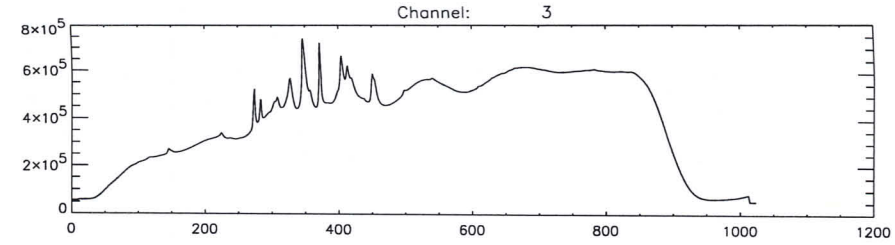
400
600
800
1000
1200


Channel: 3
8x10^5
6x10^5
4x10^5
2x10^5
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400
600
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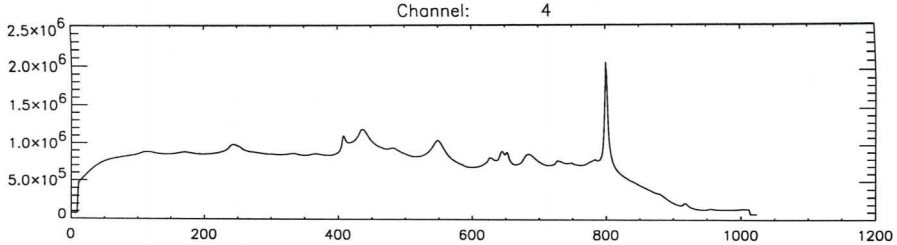
1000
1200


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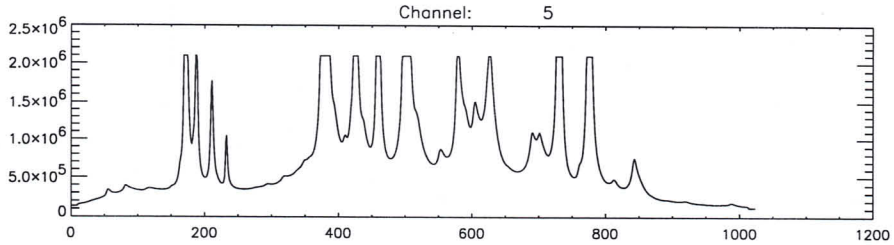
Channel: 5
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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600
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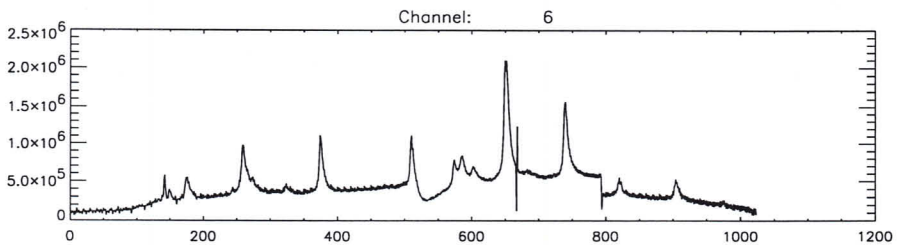
1000
1200


Channel: 6
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1.0x10^6
5.0x10^5
0
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1000
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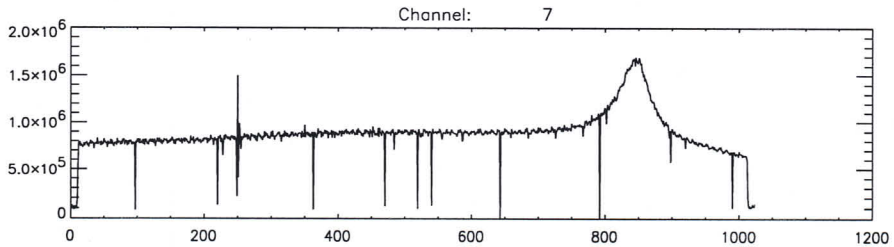
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1.0x10^6
5.0x10^5
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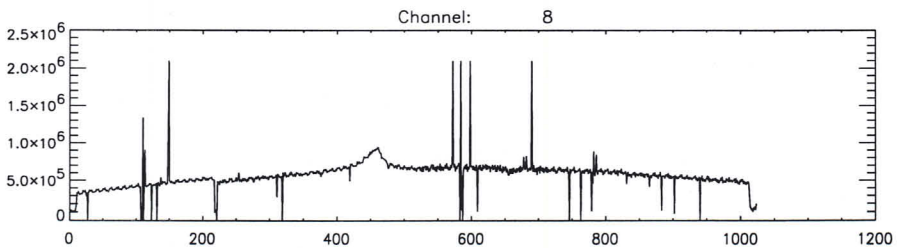
1000
1200


Channel: 8
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2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
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1000
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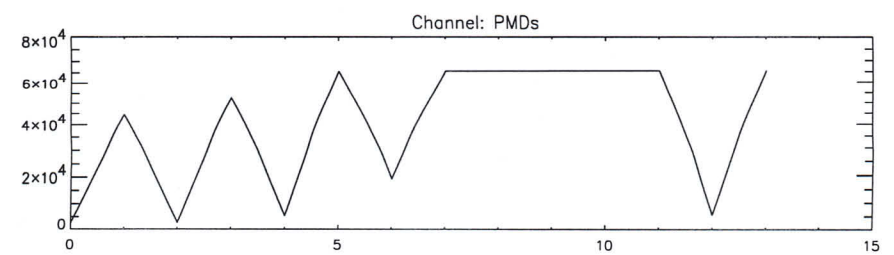
Channel: PMDs
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2x10^4
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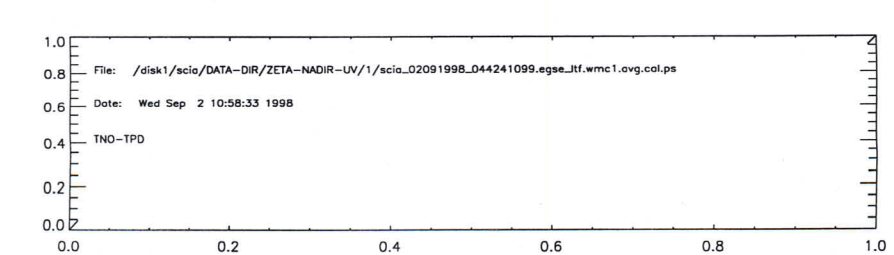
0
5
10
15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0.6
0.4
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Date: Wed Sep 2 10:58:33 1998
TNO-TPD
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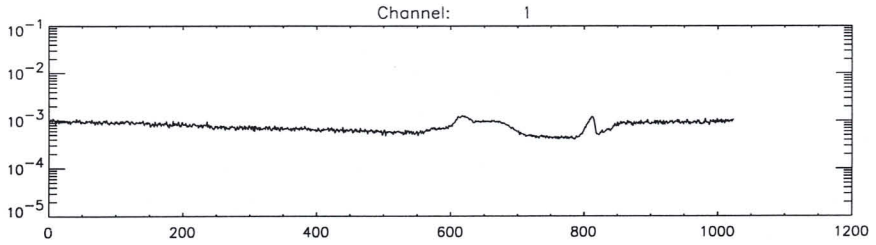
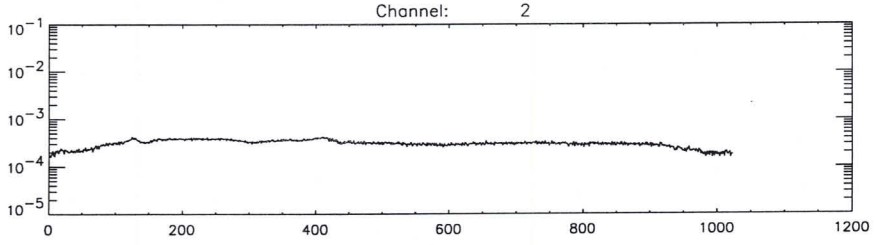
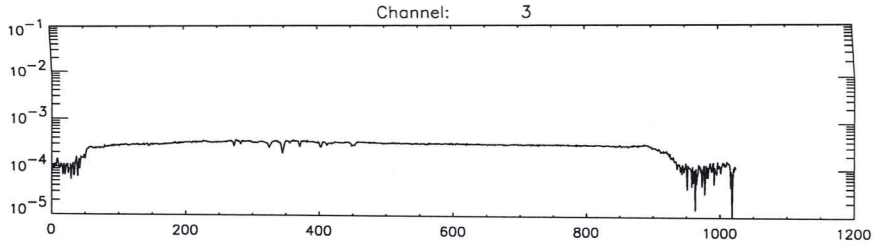
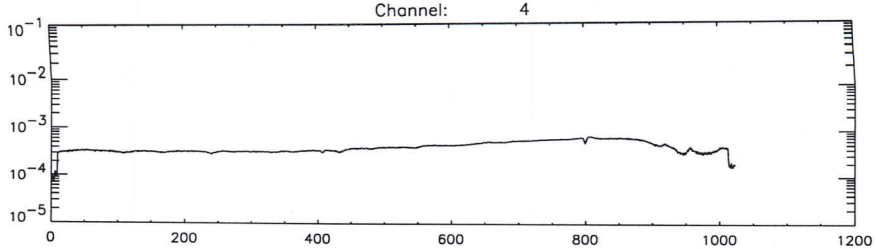
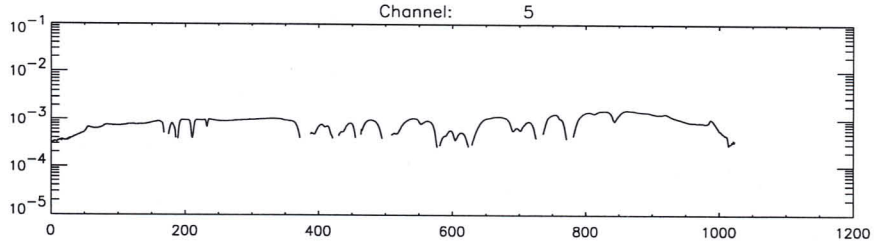
0.4
0.6
0.8
1.0

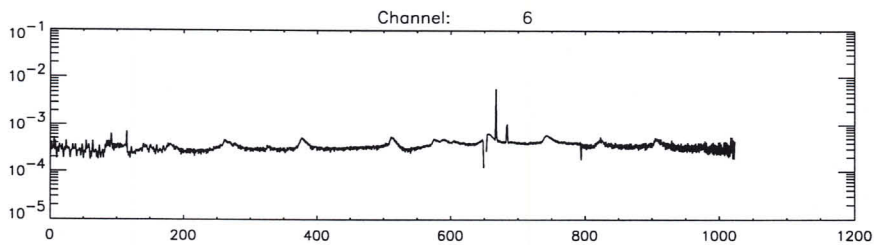

Channel: 1

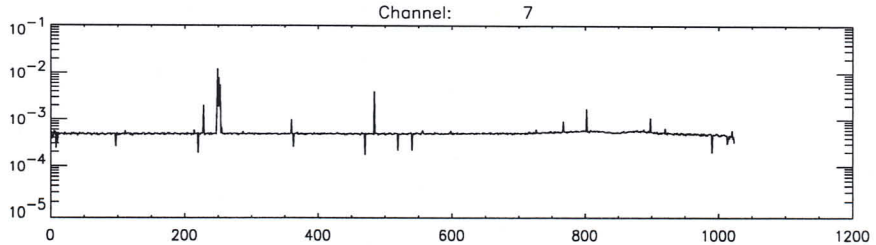

Channel: 2

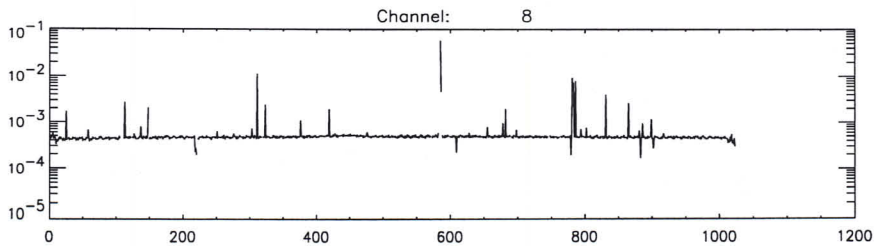

Channel: 3

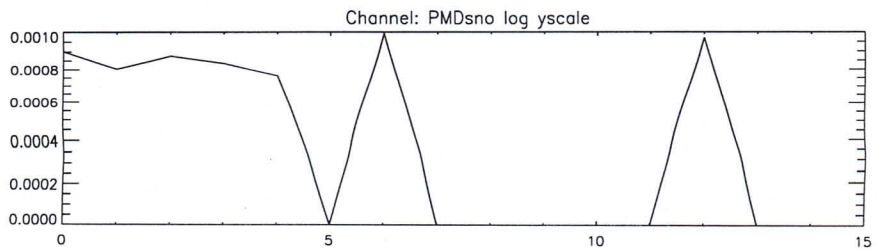

Channel: 4

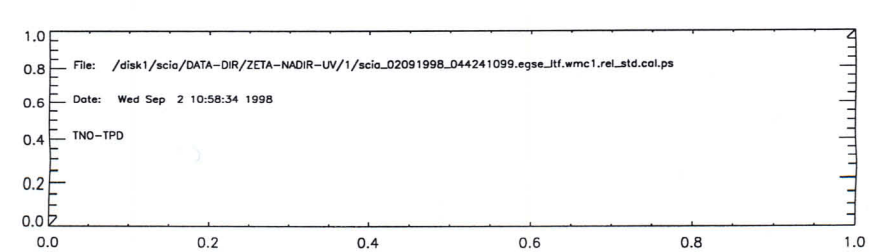

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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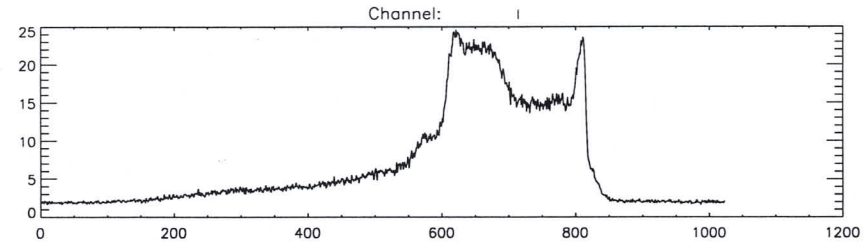
Date: Wed Sep 2 10:58:34 1998
TNO-TPD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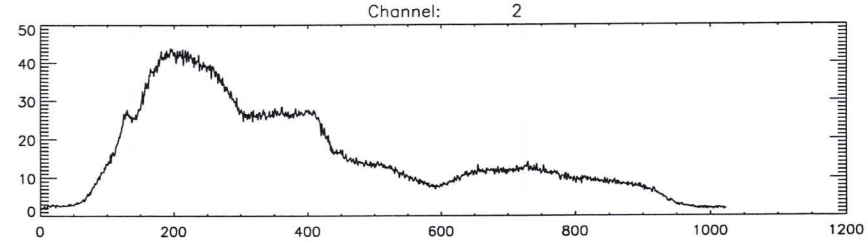
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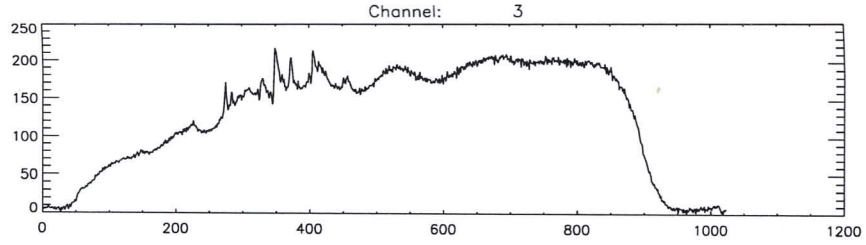
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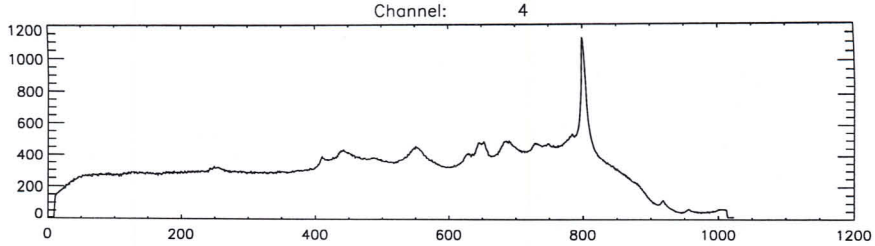
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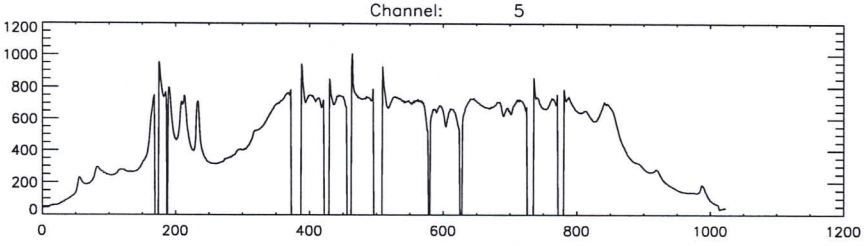
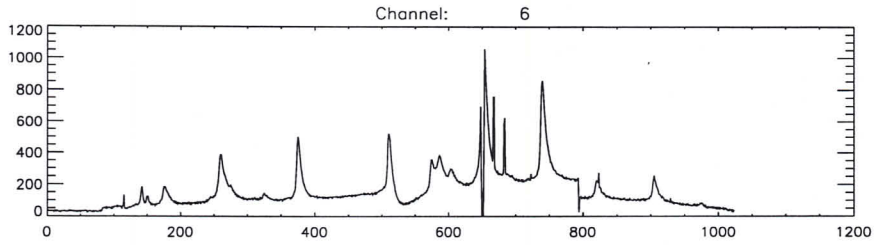
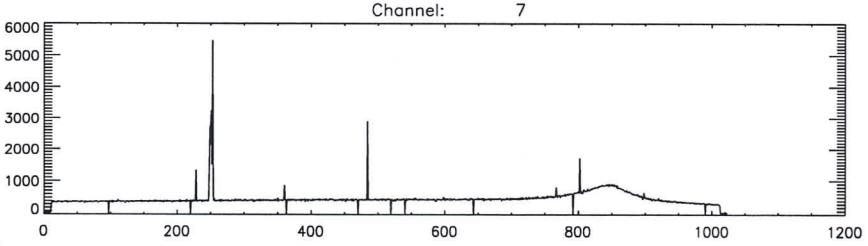

Channel: 5


Channel: 6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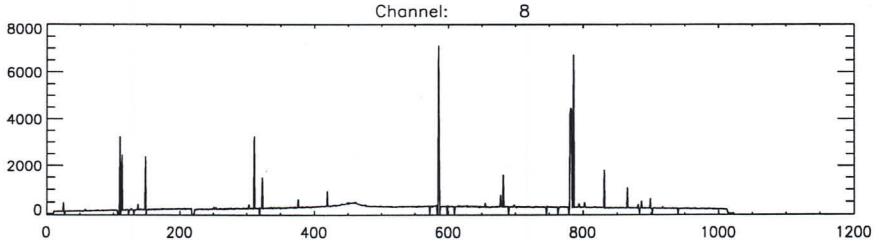
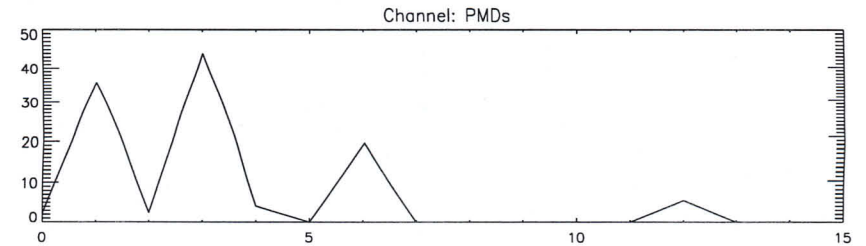
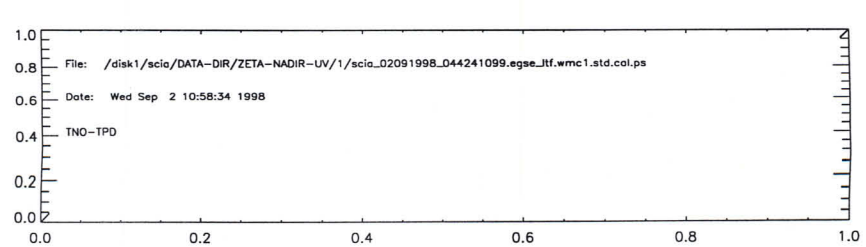

Channel: 8


Channel: PMDs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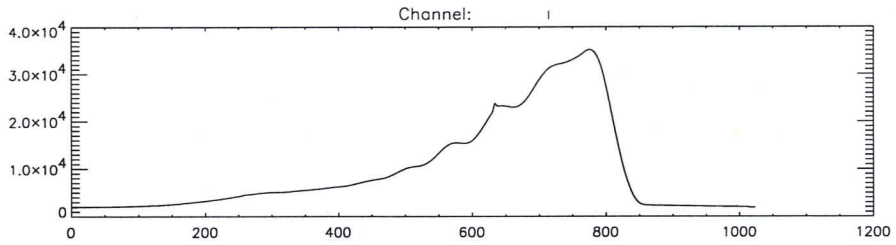
Date: Wed Sep 2 10:58:34 1998
TNO-TPD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3.0x10^4
2.0x10^4
1.0x10^4
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0
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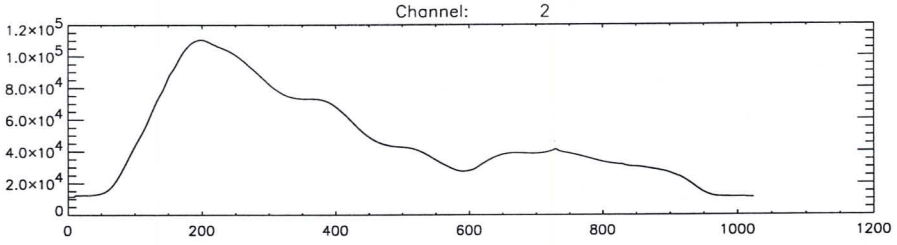
600
800
1000
1200


Channel: 2
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1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
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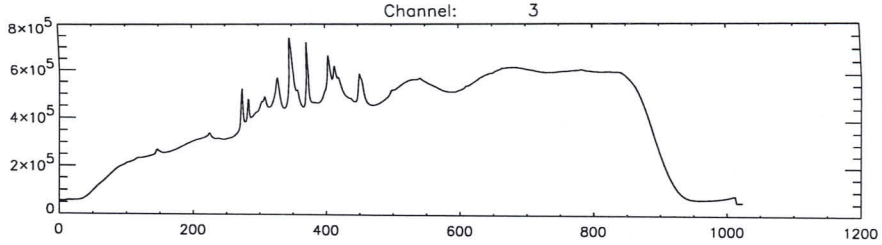
600
800
1000
1200


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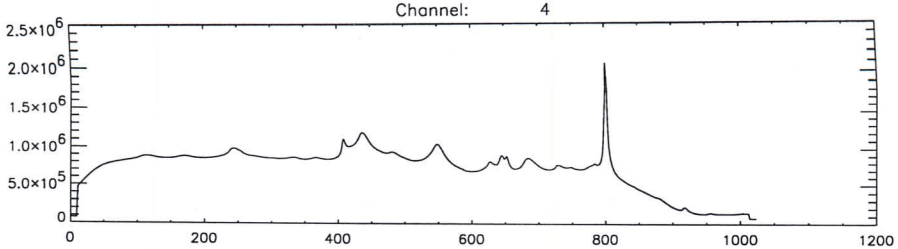
600
800
1000
1200


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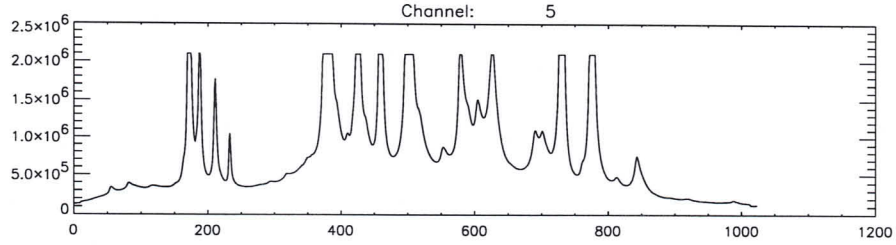
1000
1200


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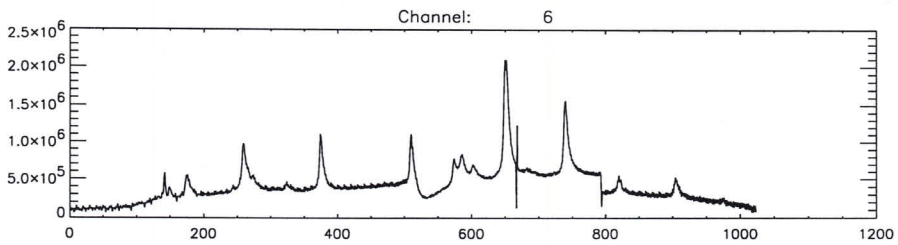
1000
1200


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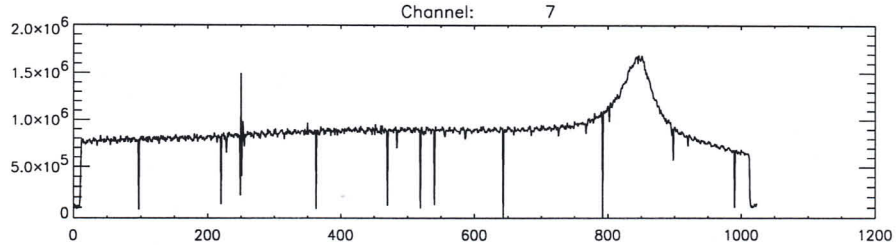
600
800
1000
1200


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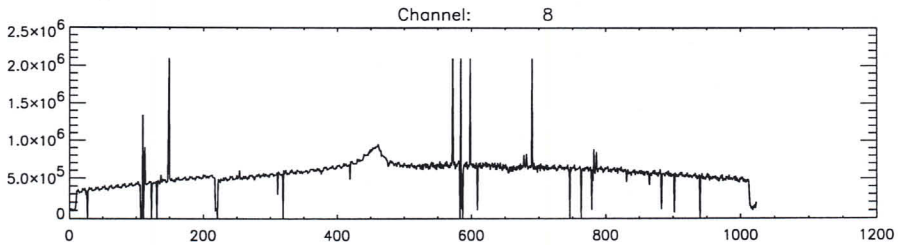
600
800
1000
1200


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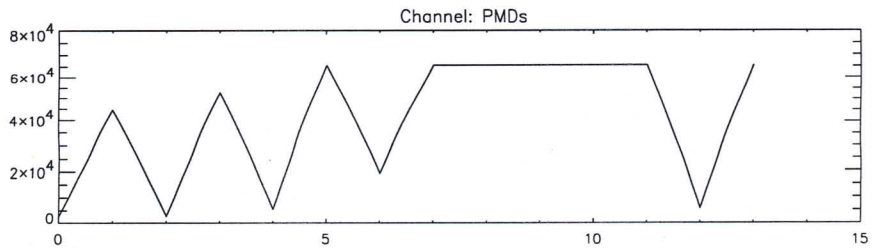
600
800
1000
1200


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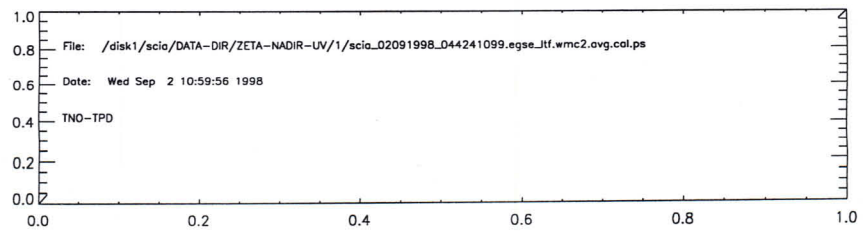
0
5
10
15


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc2.avg.cal.ps
Date: Wed Sep 2 10:59:56 1998
TNO-TPD
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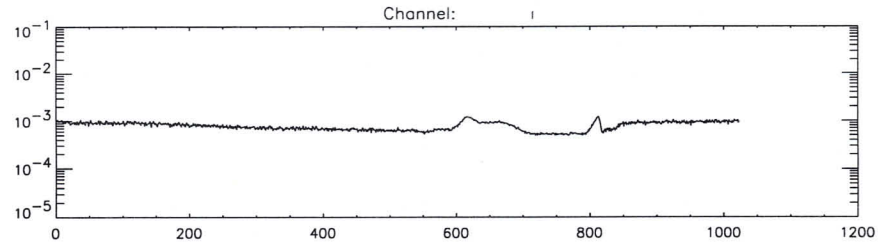
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


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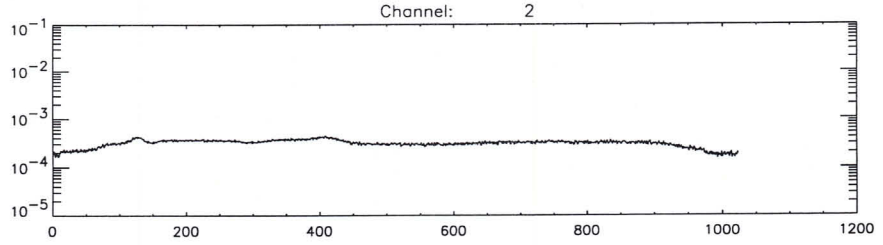
400
600
800
1000
1200


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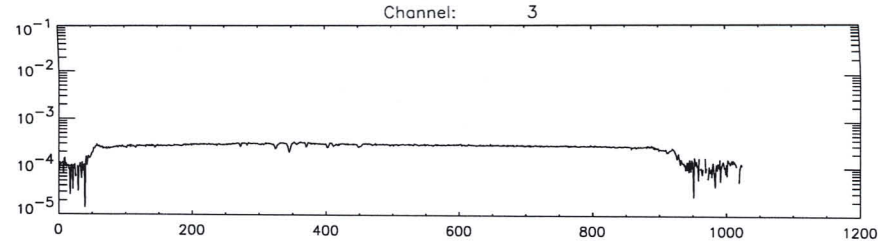
400
600
800
1000
1200


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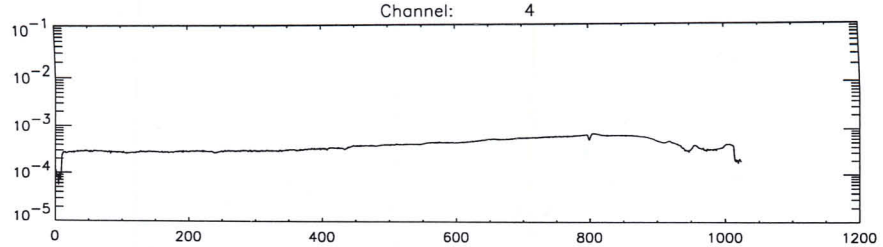
400
600
800
1000
1200


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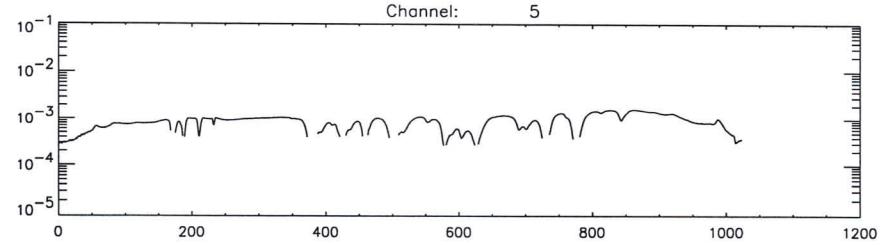
600
800
1000
1200


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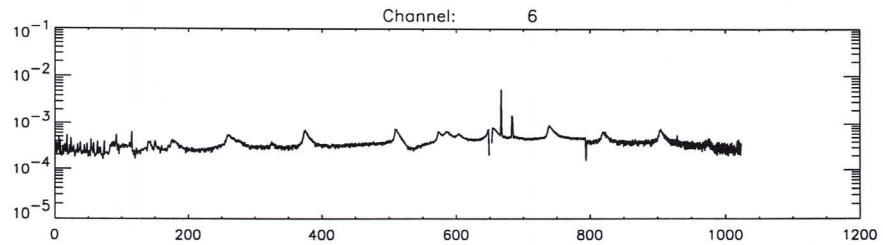
400
600
800
1000
1200


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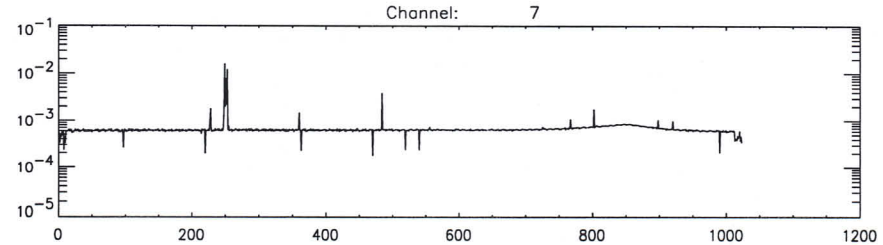
600
800
1000
1200


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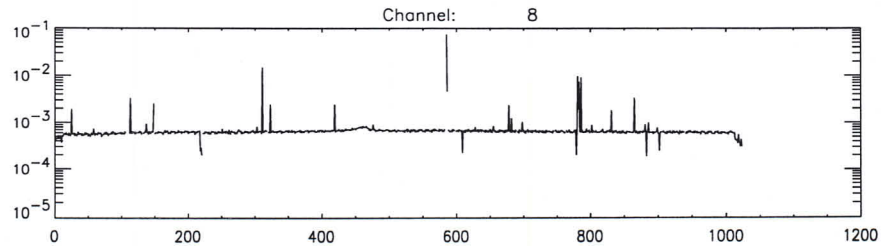
400
600
800
1000
1200


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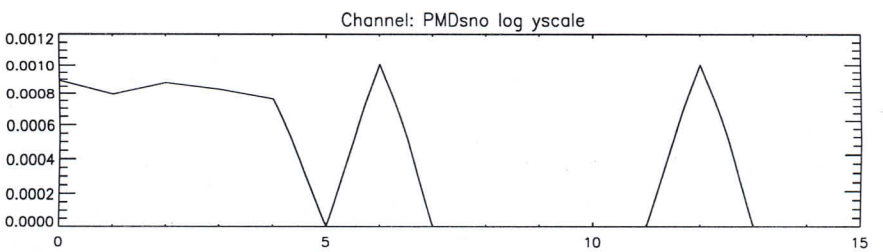
600
800
1000
1200


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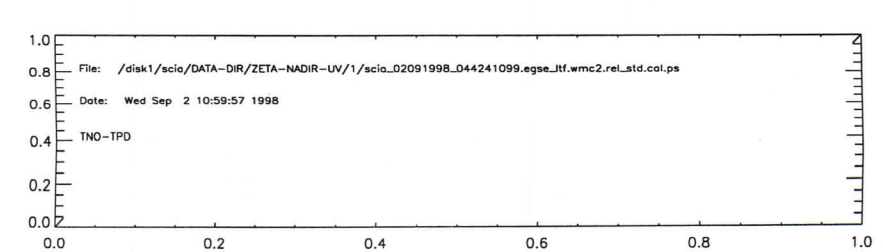
0
5
10
15


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc2.rel_std.cal.ps
Date: Wed Sep 2 10:59:57 1998
TNO-TPD
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0.6
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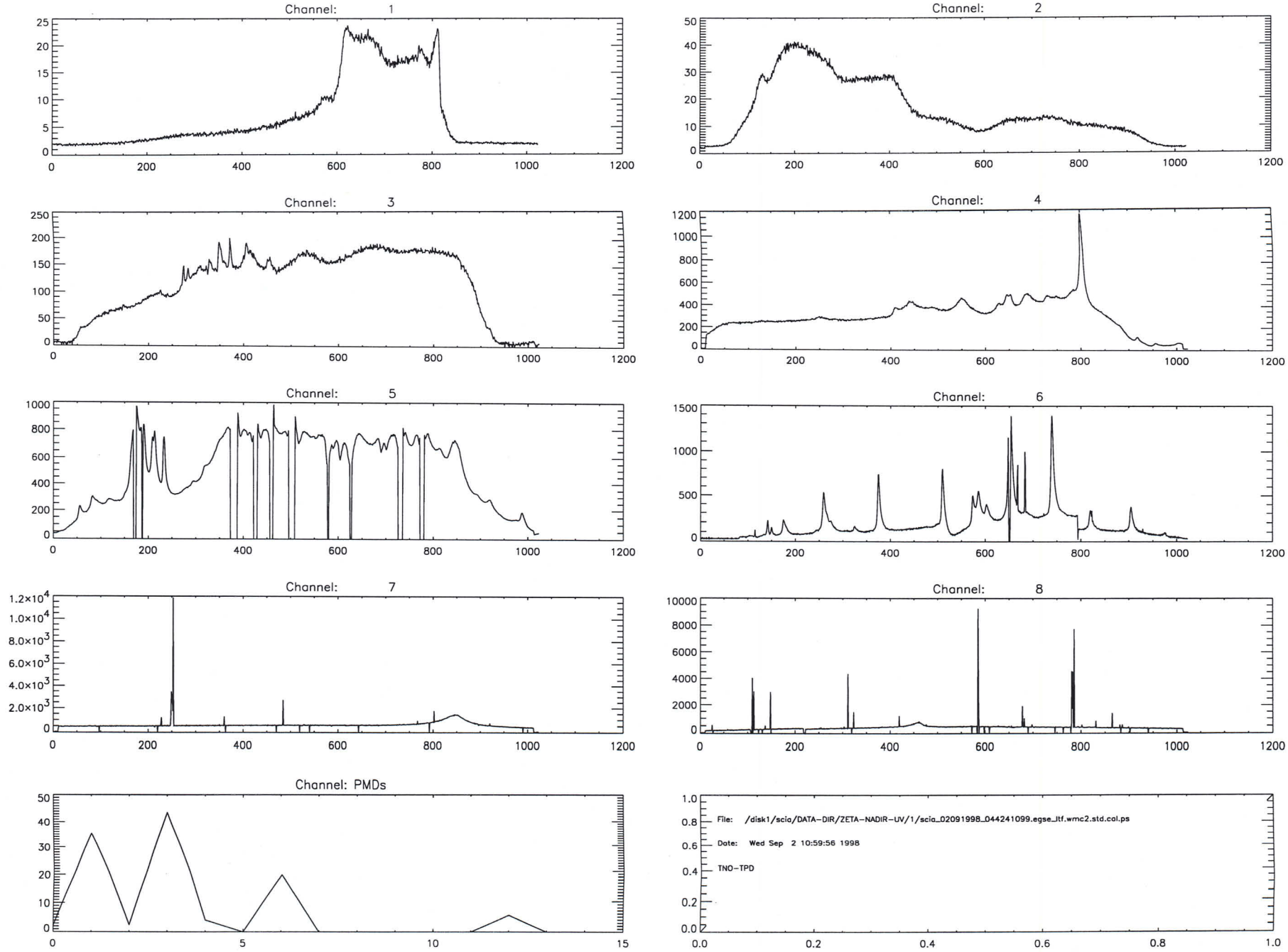
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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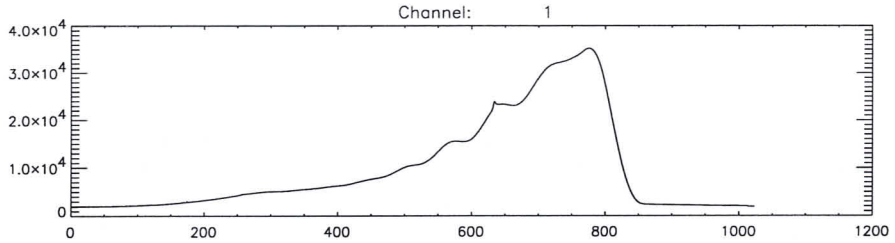
Date: Wed Sep 2 10:59:56 1998
TNO-TPD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2.0x10^4
1.0x10^4
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0
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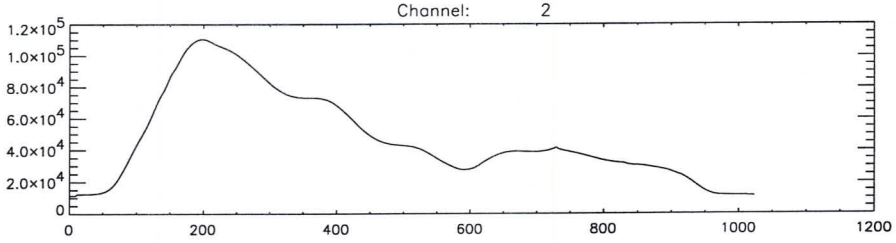
600
800
1000
1200


Channel: 2
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
0
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600
800
1000
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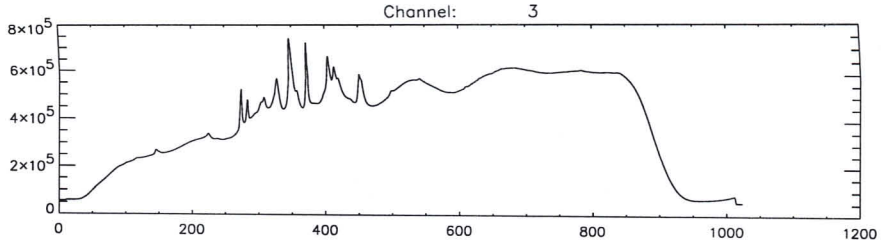
Channel: 3
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6x10^5
4x10^5
2x10^5
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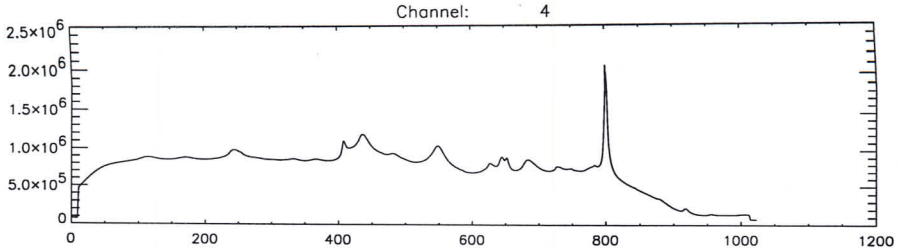
0
200
400
600
800
1000
1200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1.0x10^6
5.0x10^5
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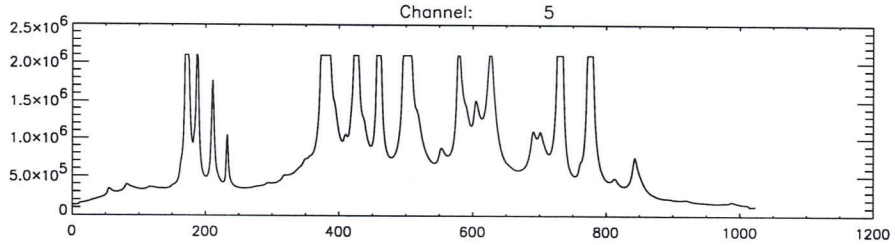
600
800
1000
1200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1.0x10^6
5.0x10^5
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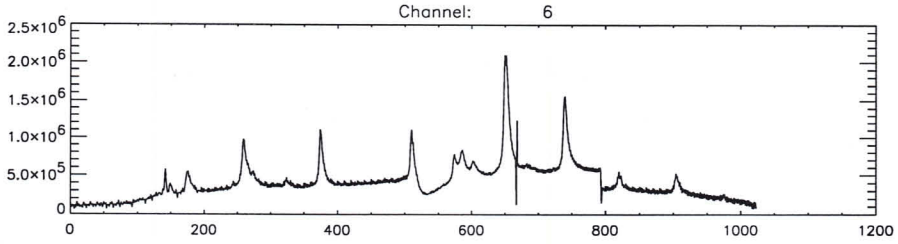
600
800
1000
1200


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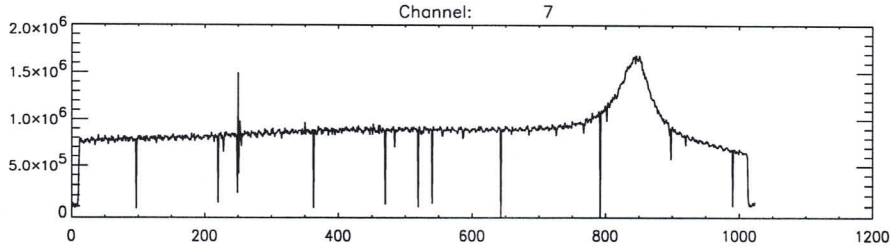
600
800
1000
1200


Channel: 7
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1.5x10^6
1.0x10^6
5.0x10^5
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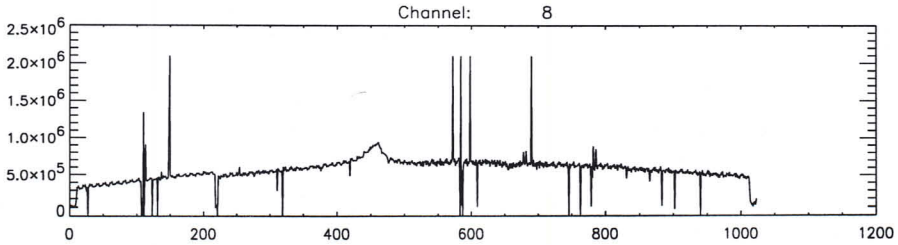
0
200
400
600
800
1000
1200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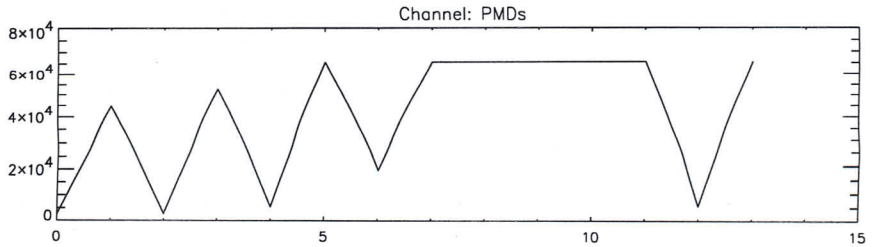
600
800
1000
1200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0
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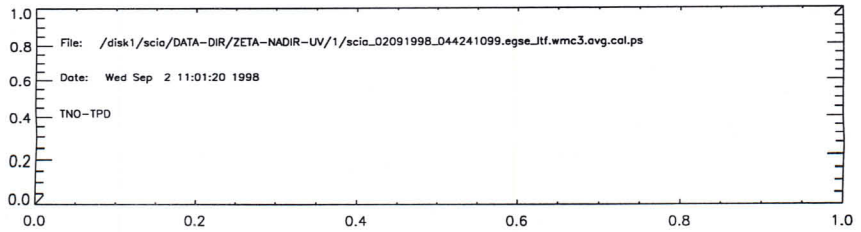
10
15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Date: Wed Sep 2 11:01:20 1998
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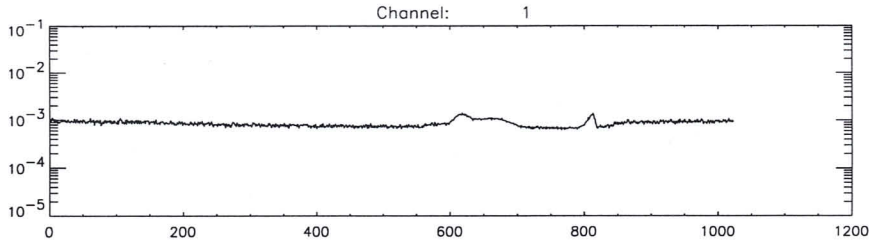
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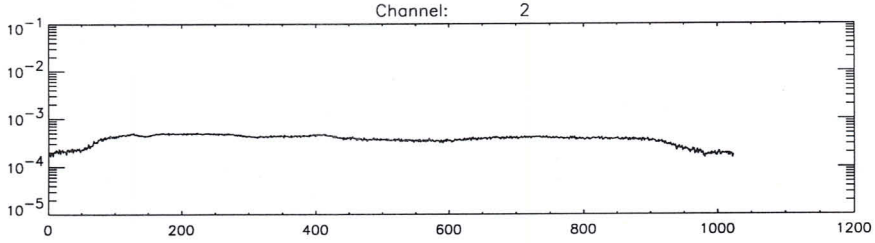
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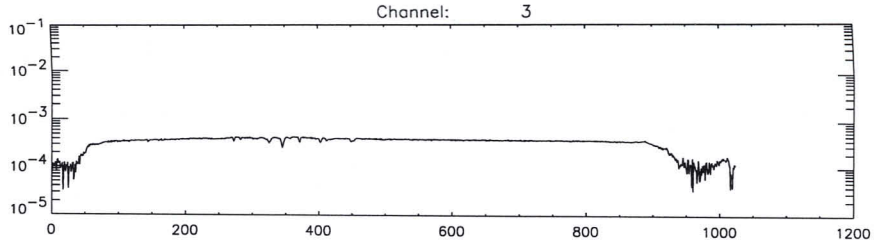
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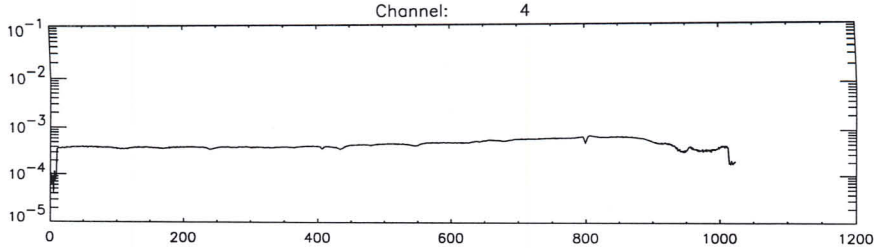
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10^{-4}
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800
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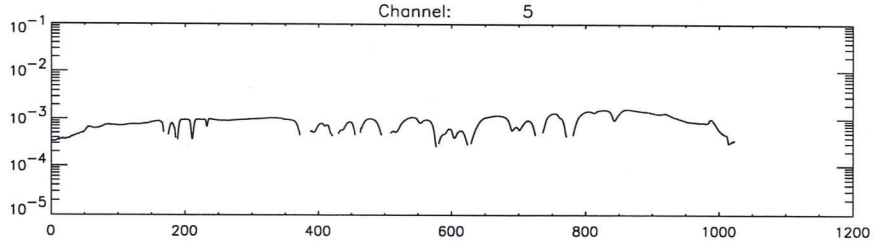
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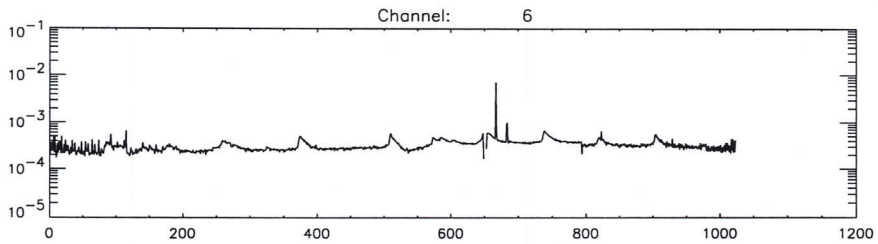
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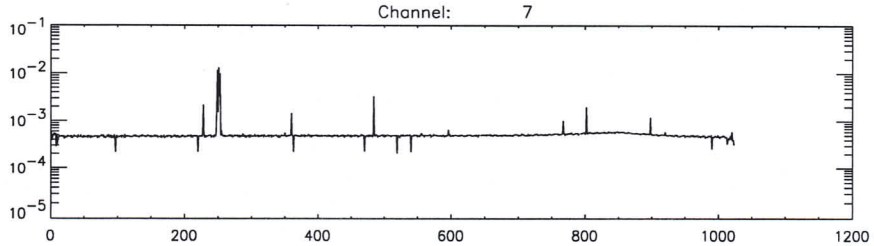
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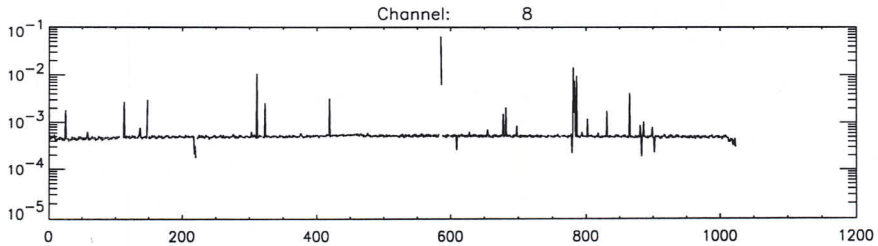
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10^{-4}
10^{-5}
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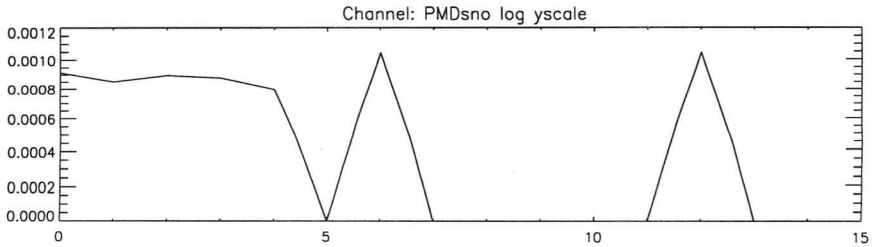
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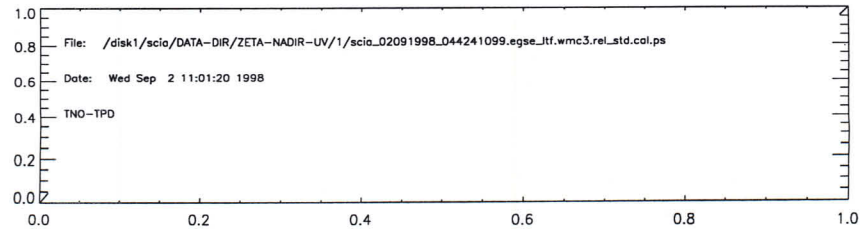
10
15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Date: Wed Sep 2 11:01:20 1998
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0.0
0.2
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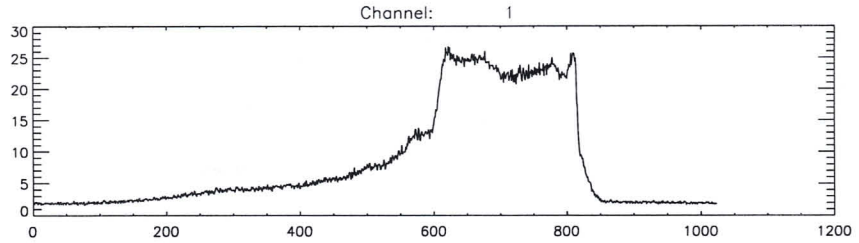
0.8
1.0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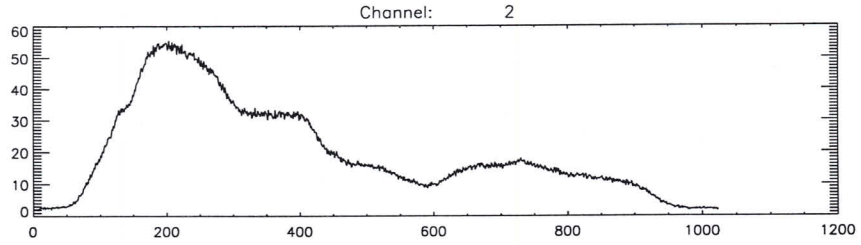
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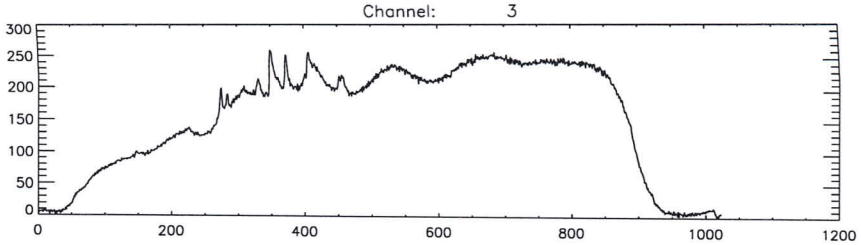
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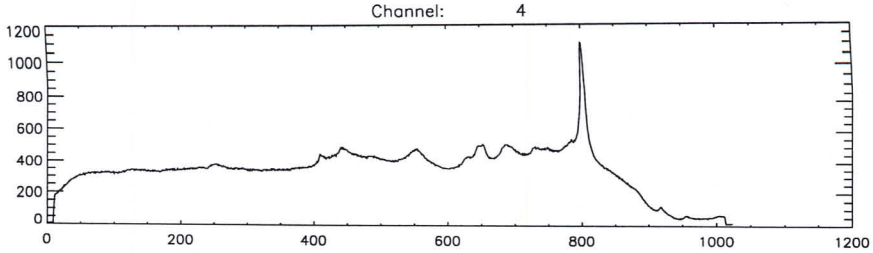
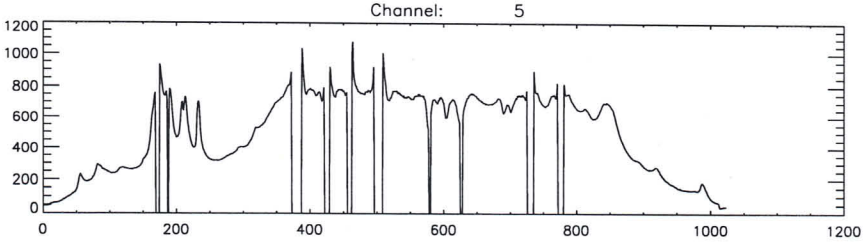

Channel: 4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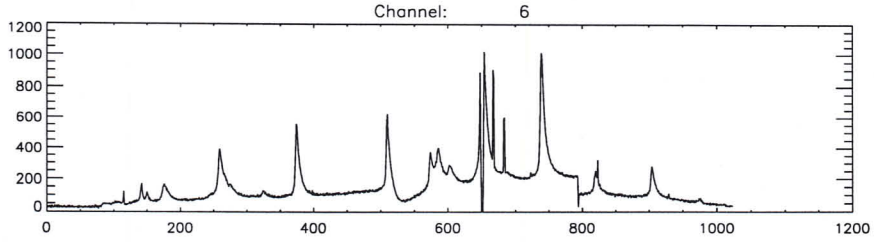
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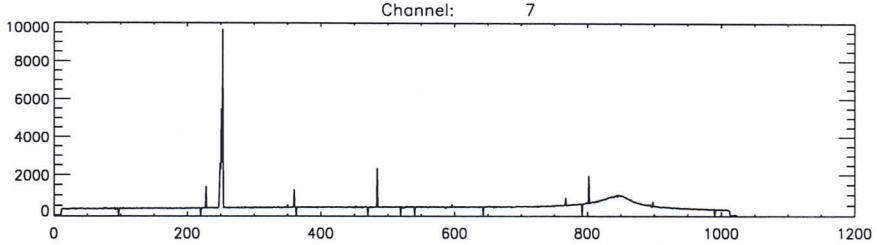
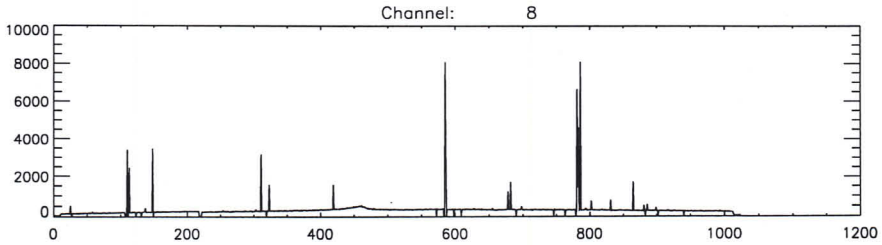

Channel: 7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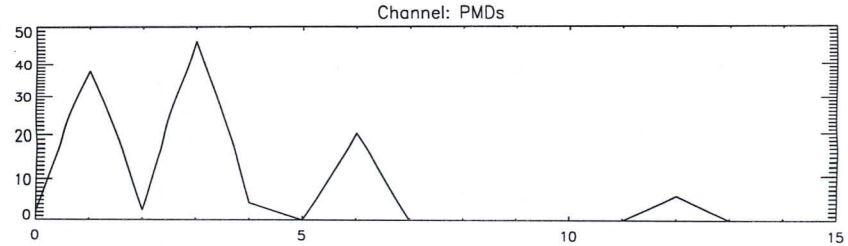
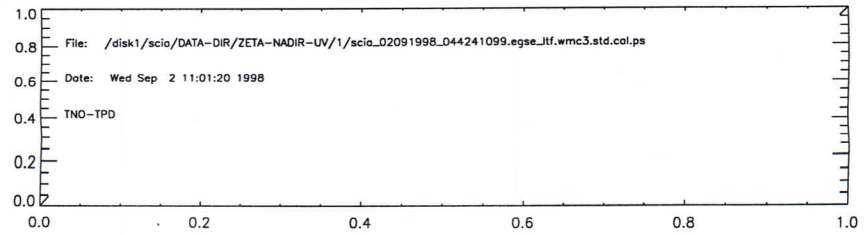

Channel: PMDs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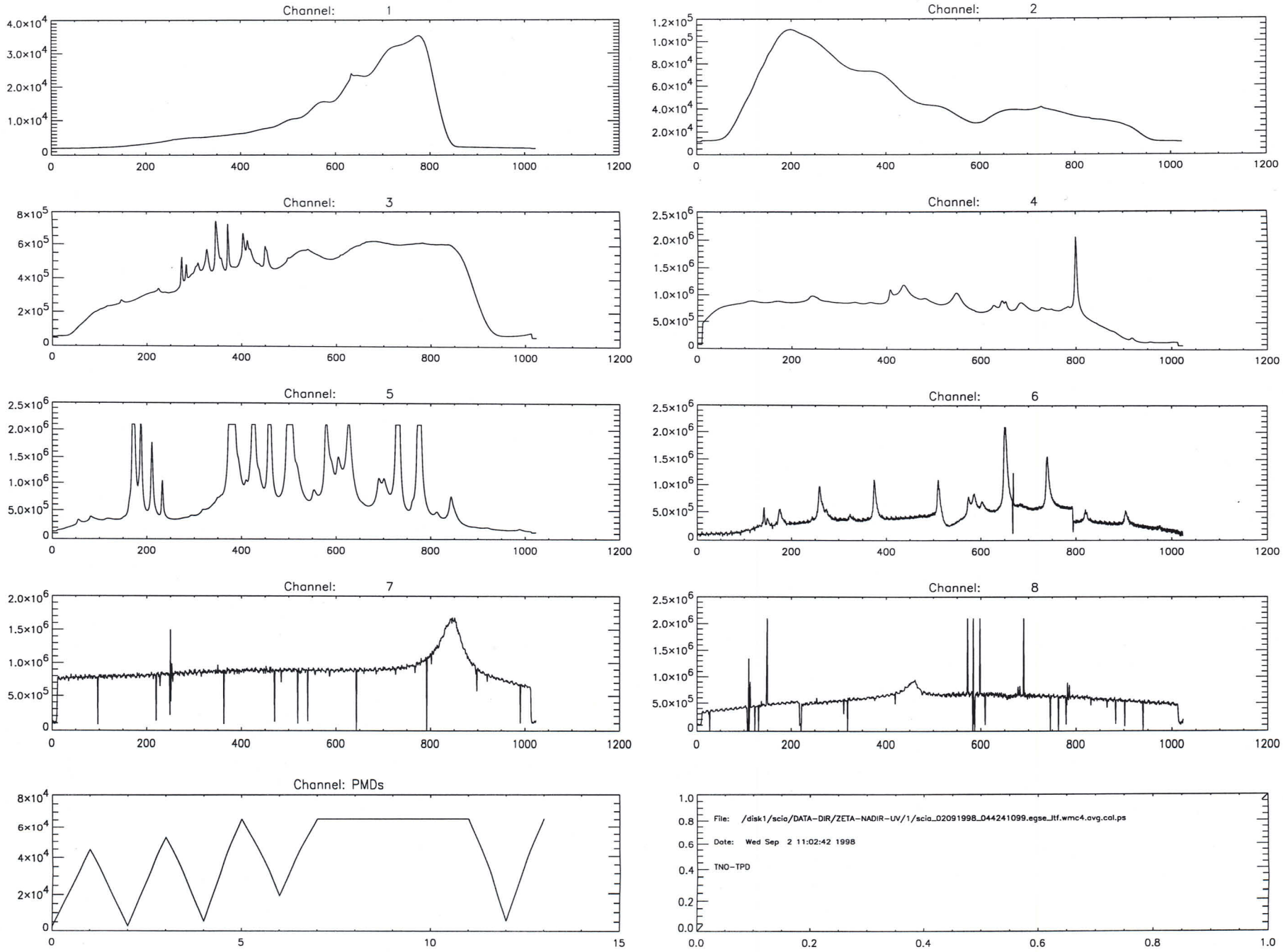
Date: Wed Sep 2 11:01:20 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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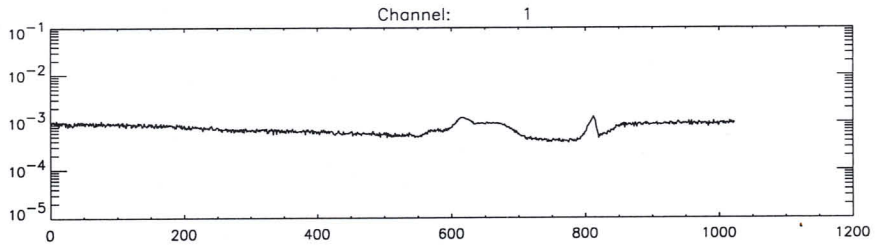
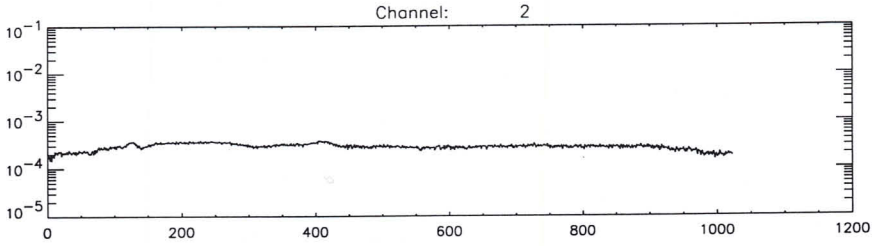
Date: Wed Sep 2 11:02:42 1998
TNO-TPD


Channel: 1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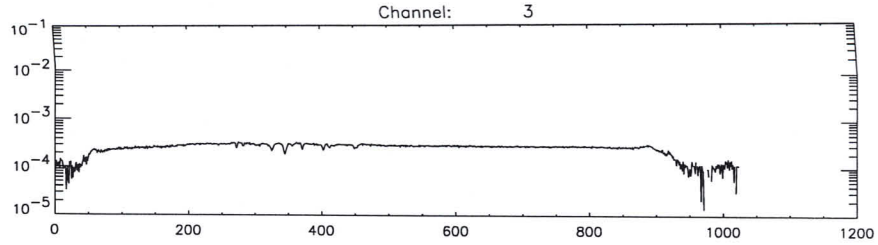
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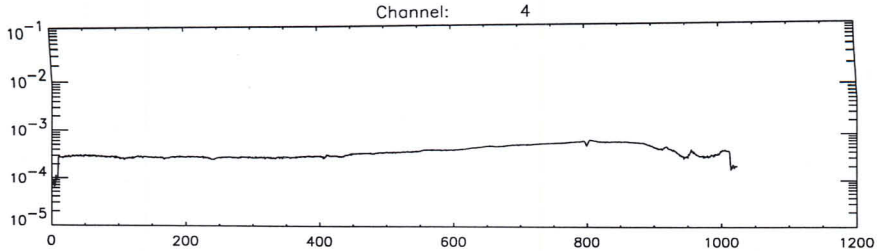
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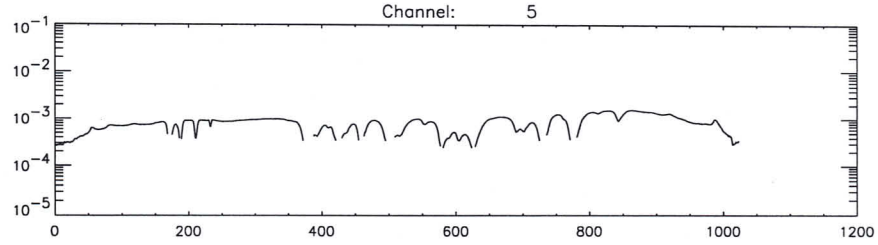
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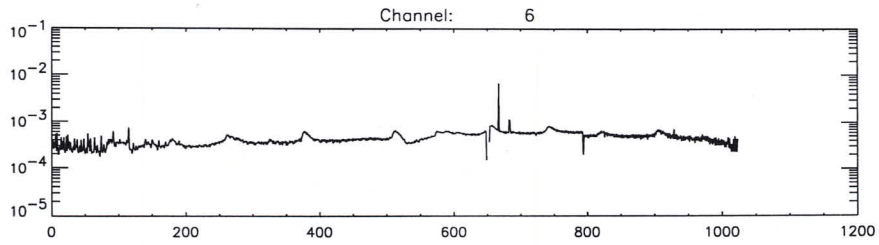
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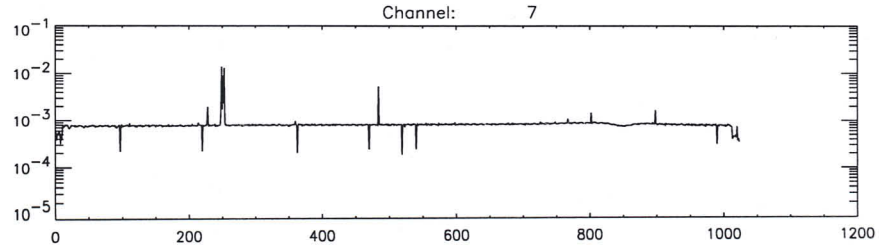
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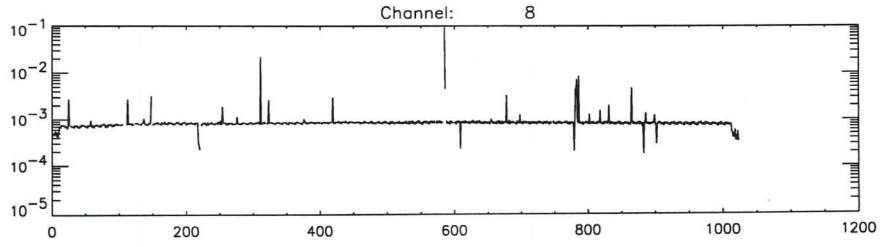
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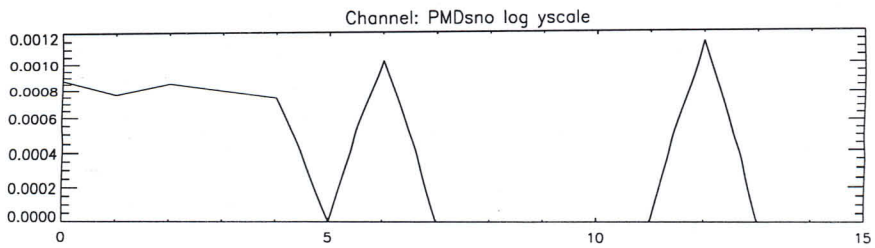
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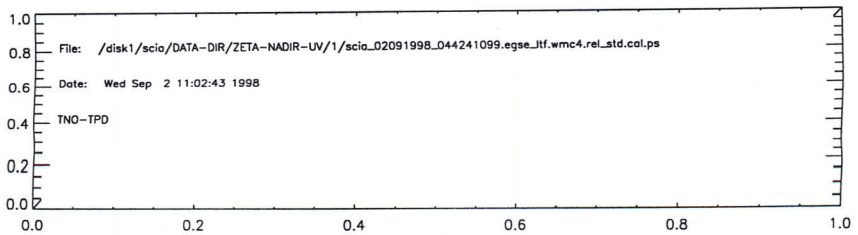
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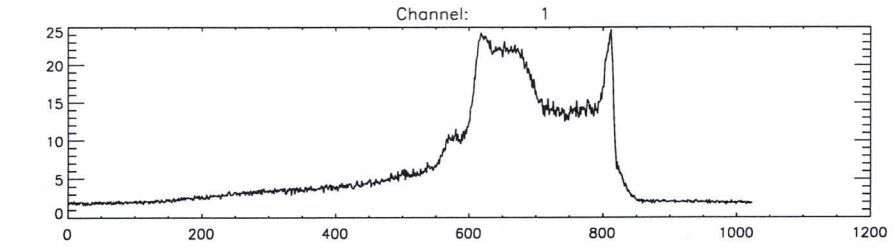
Date: Wed Sep 2 11:02:43 1998
TNO-TPD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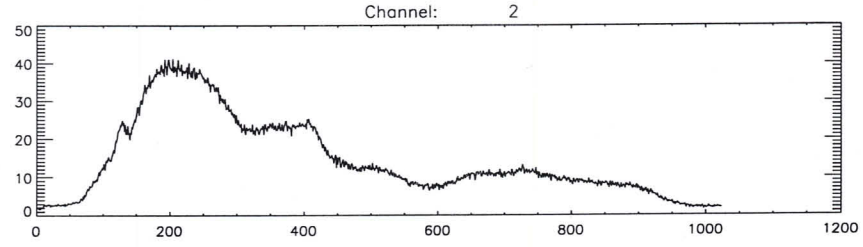
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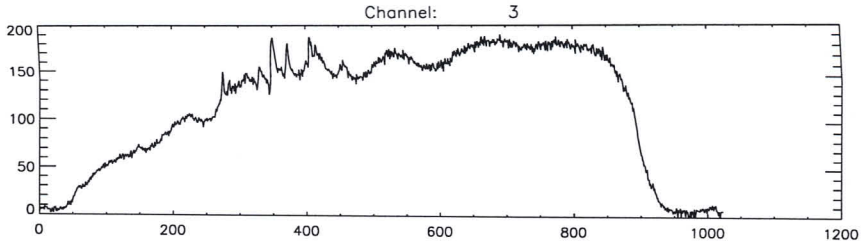
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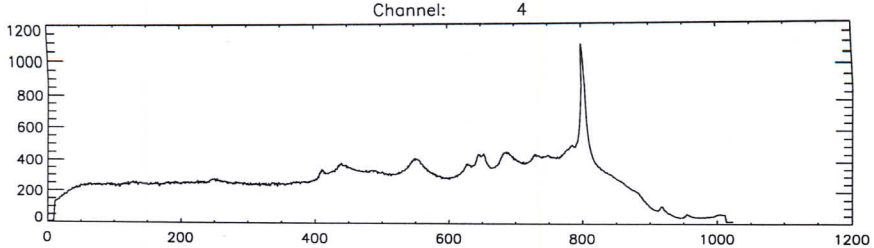
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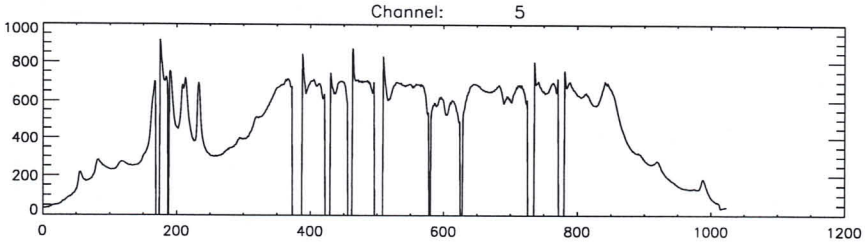
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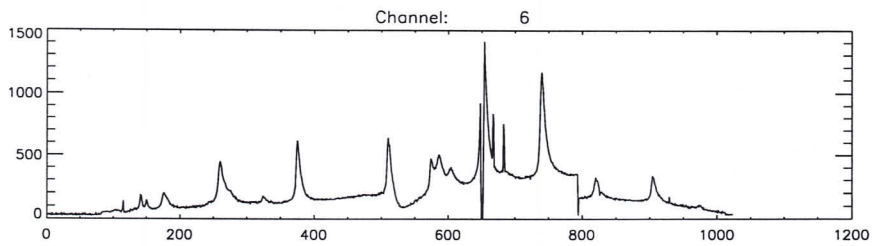
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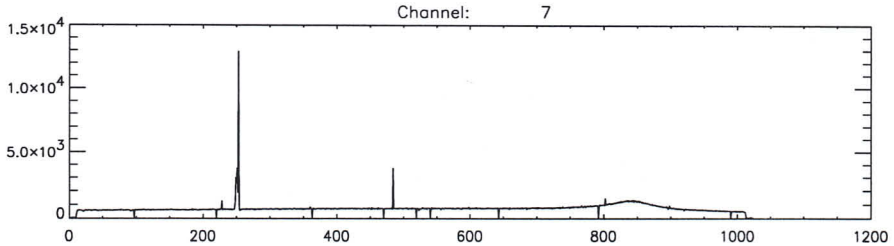
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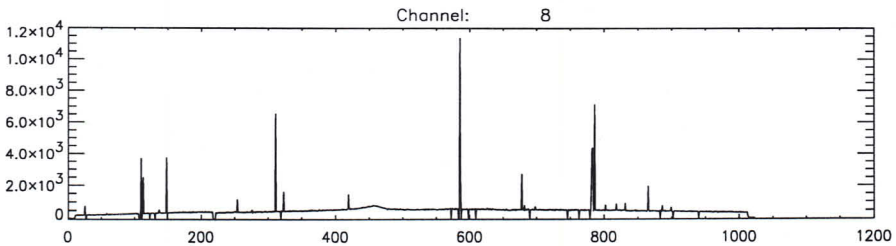
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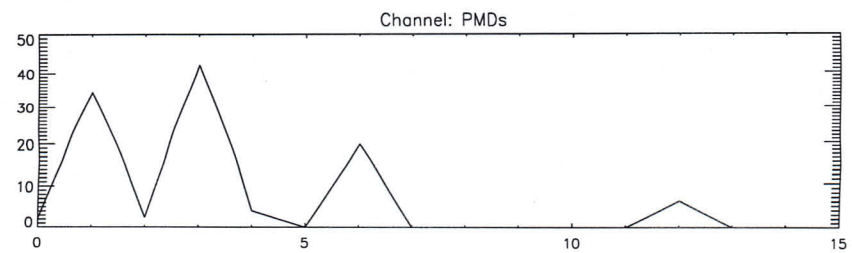
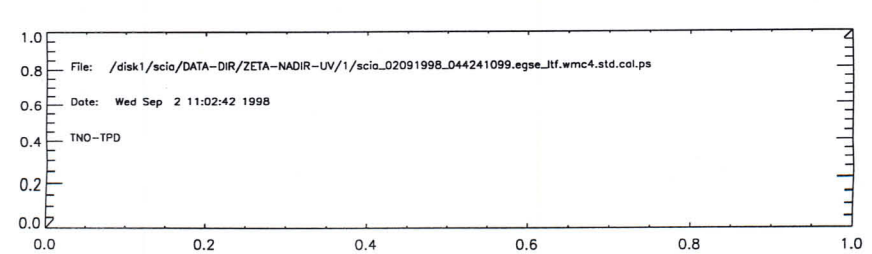

Channel: PMDs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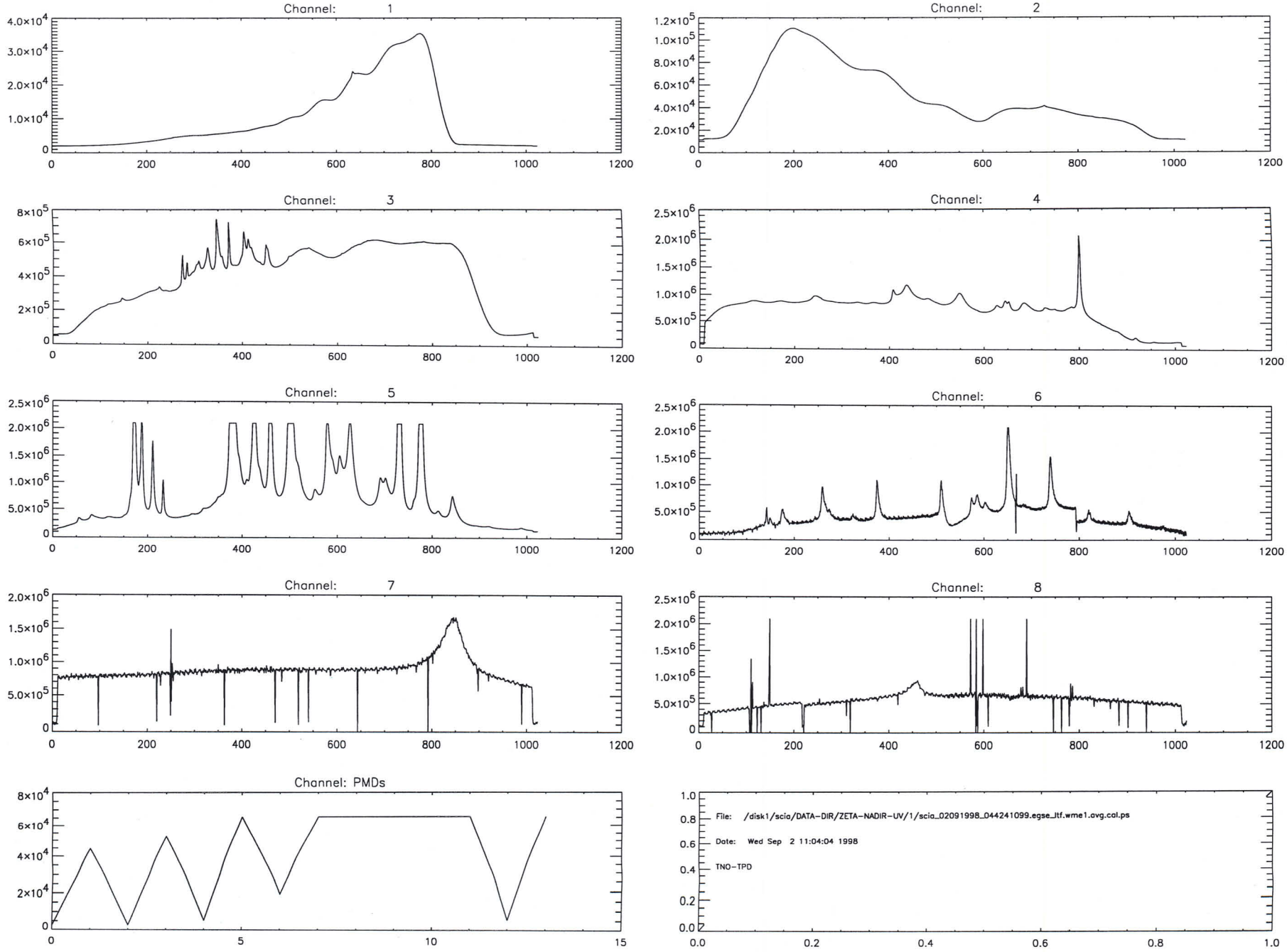
Date: Wed Sep 2 11:02:42 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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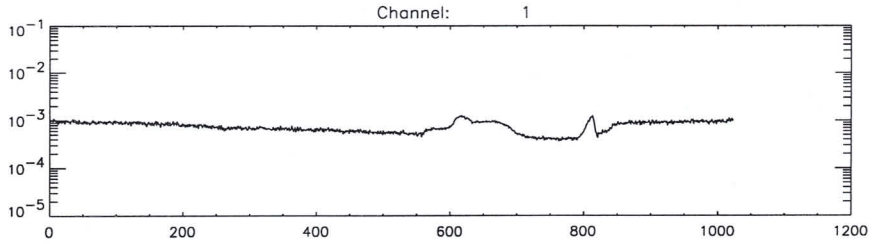
Date: Wed Sep 2 11:04:04 1998
TNO-TPD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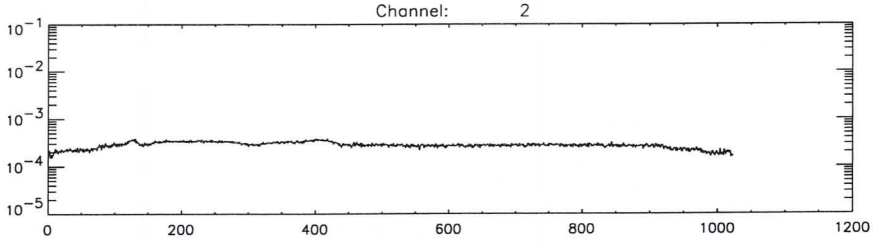
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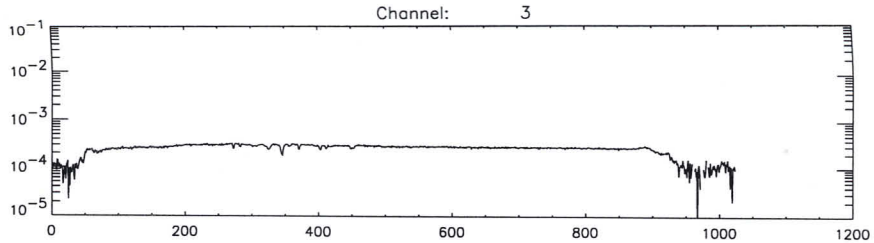
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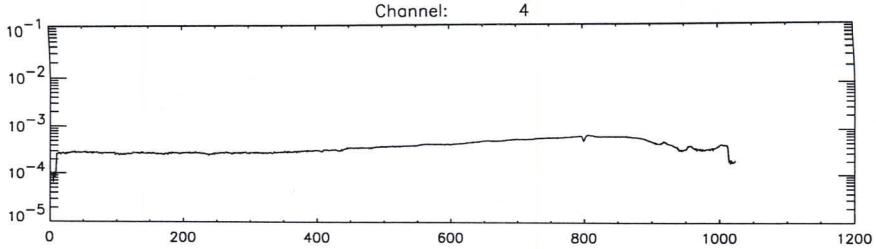
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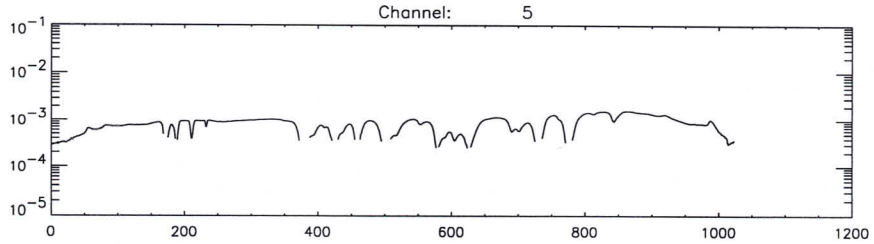
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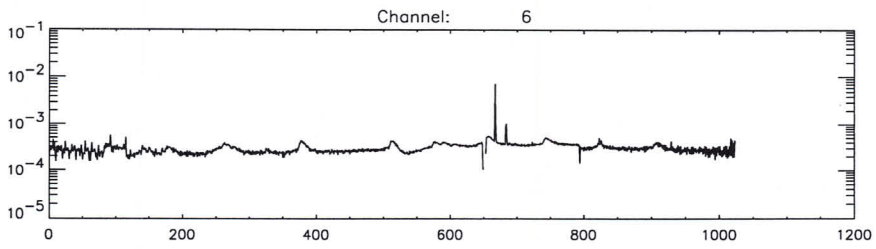
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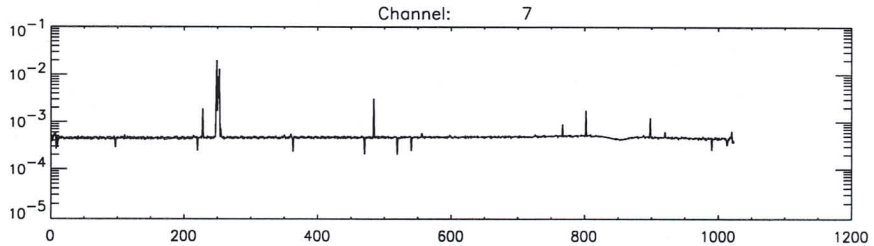
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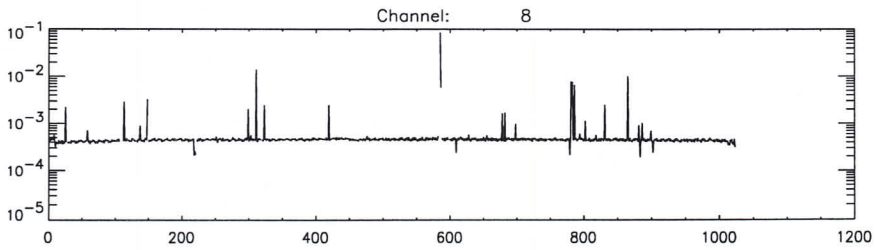
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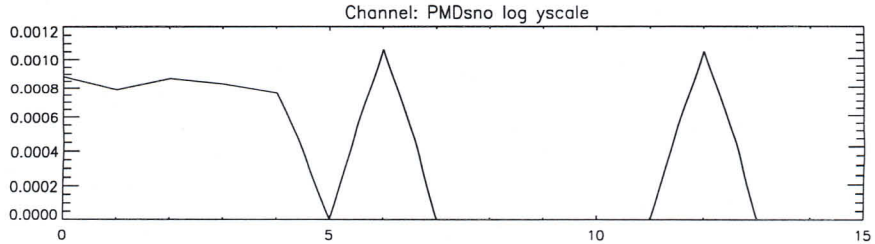
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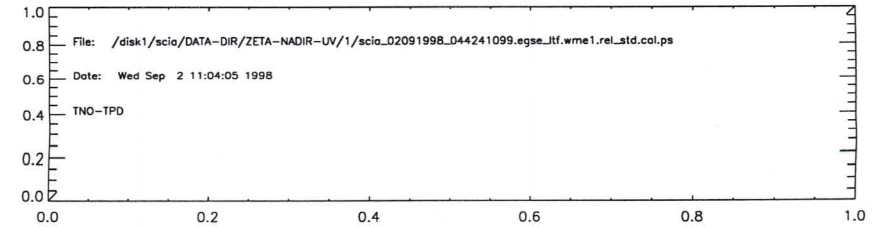
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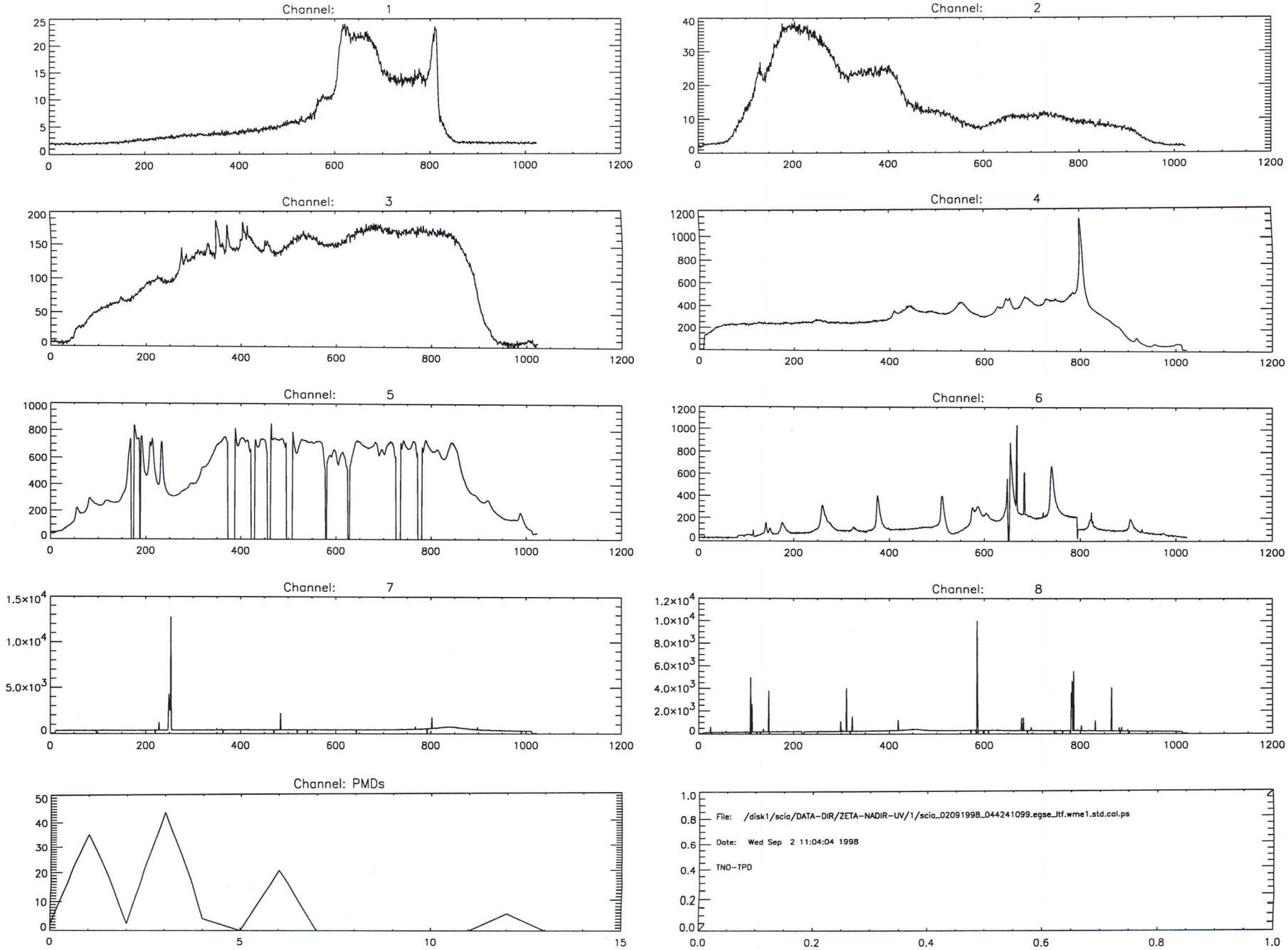
Date: Wed Sep 2 11:04:05 1998
TNO-TPD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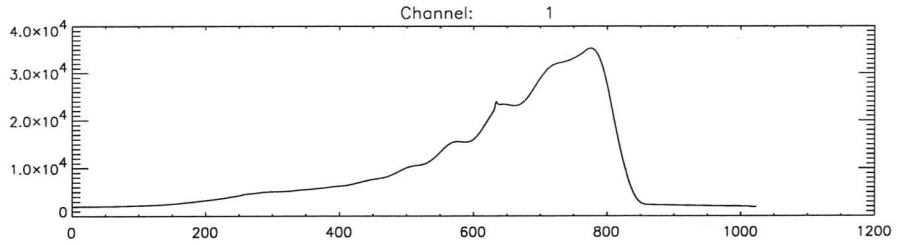
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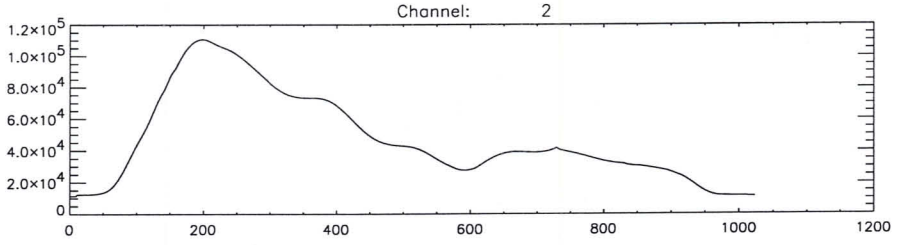
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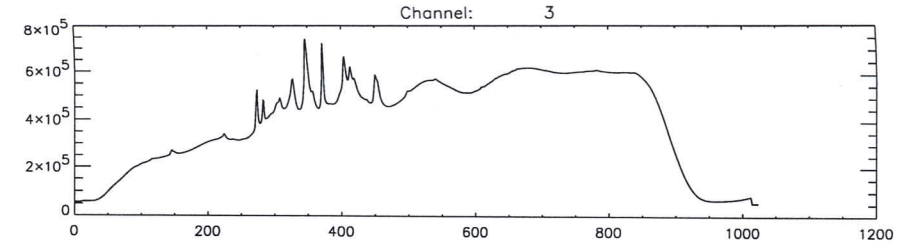
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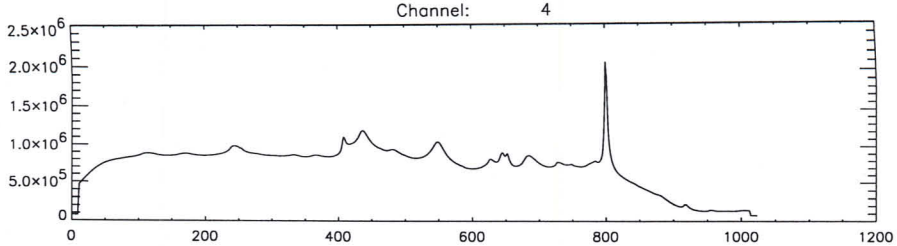
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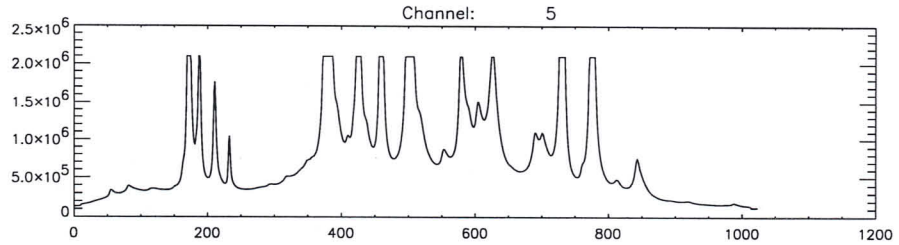
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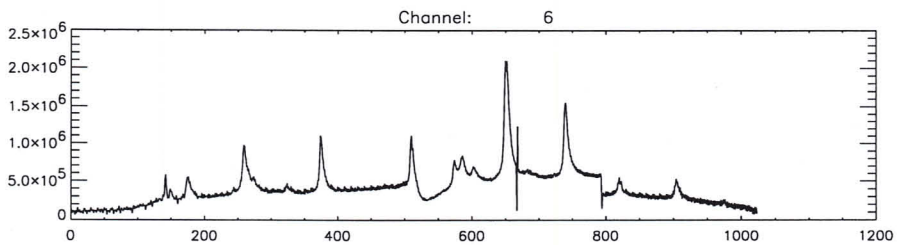
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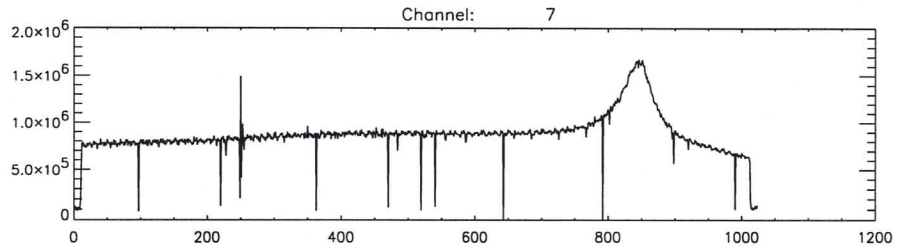
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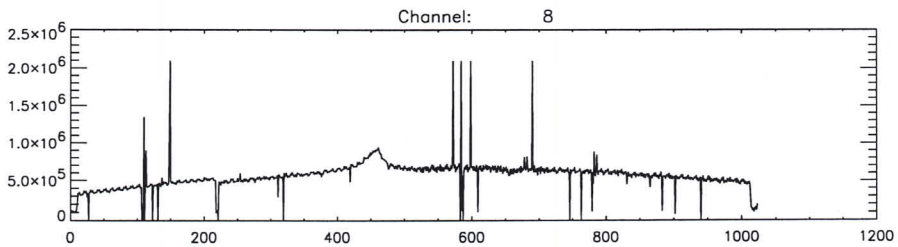
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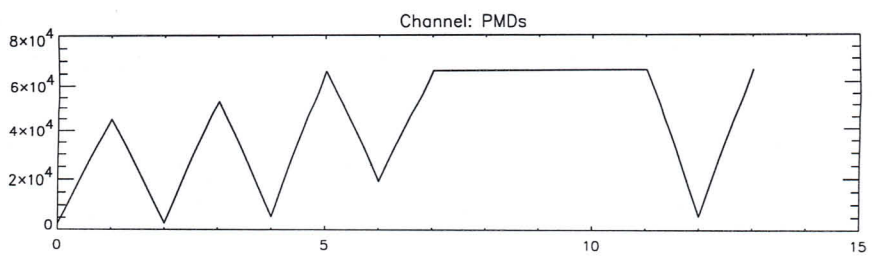
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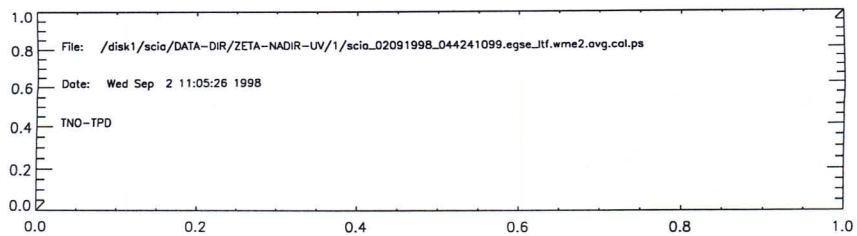
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Date: Wed Sep 2 11:05:26 1998
TNO-TPD
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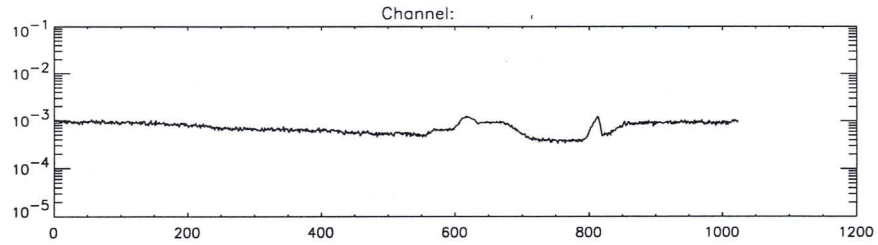
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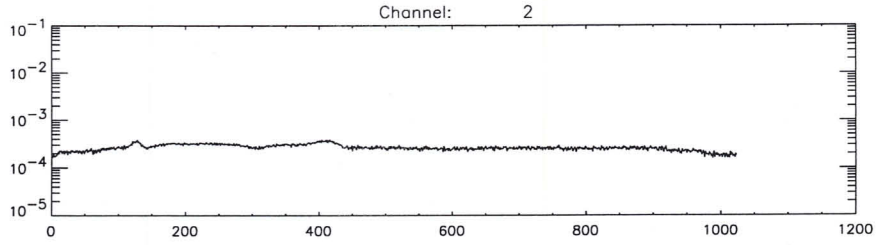
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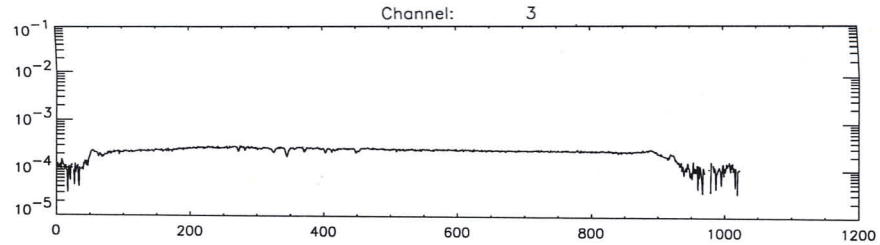
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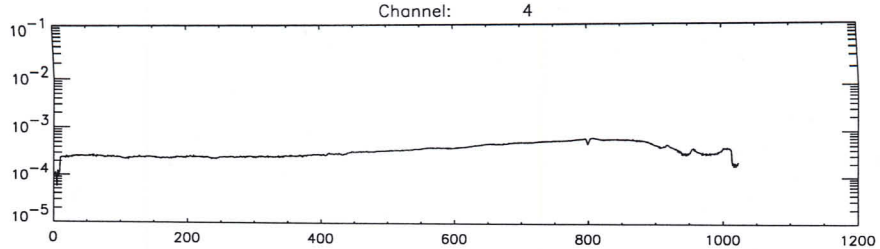
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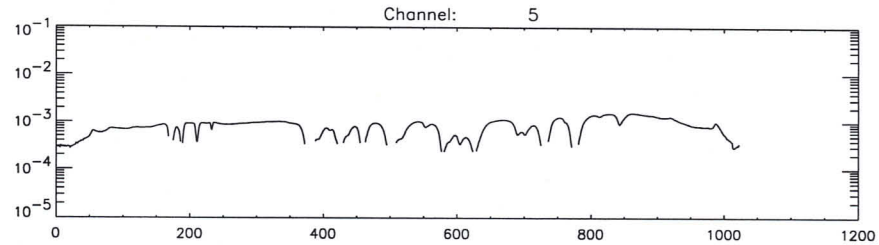
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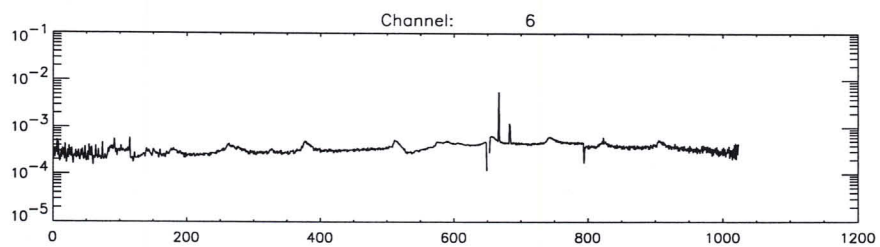
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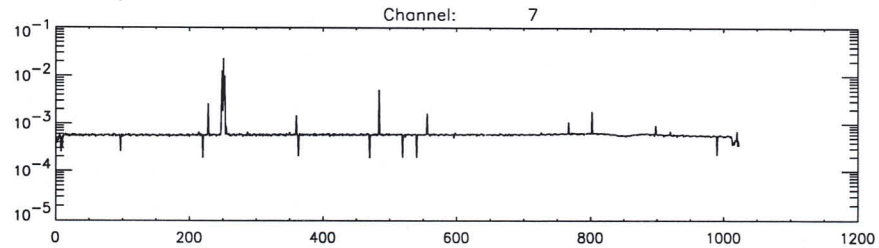
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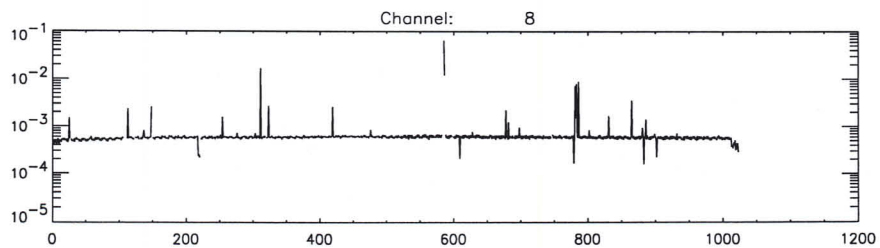
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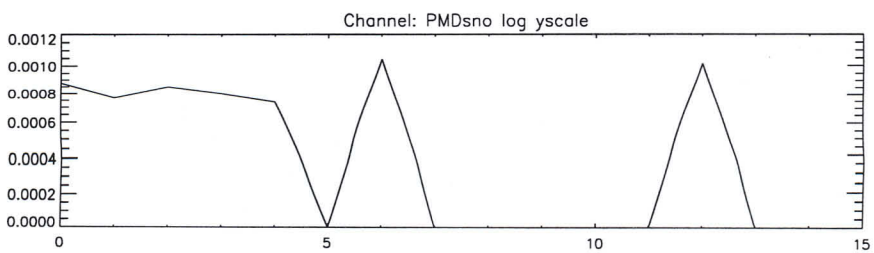
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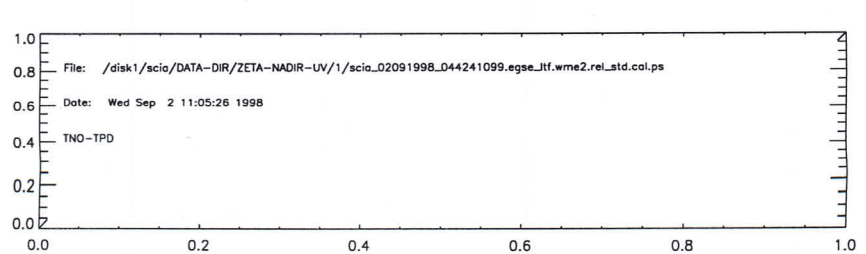
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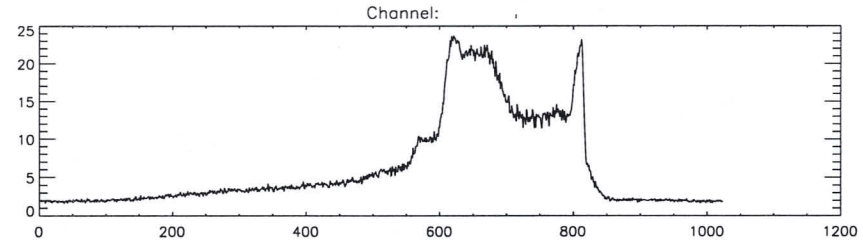
Date: Wed Sep 2 11:05:26 1998
TNO-TPD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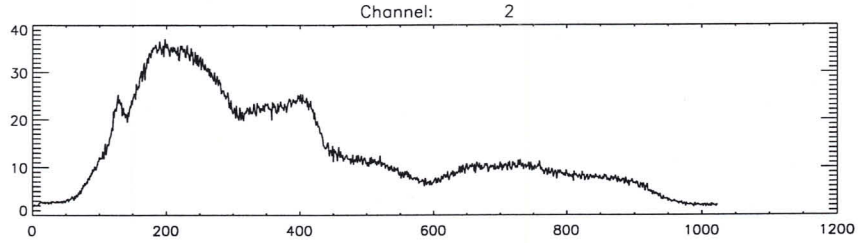
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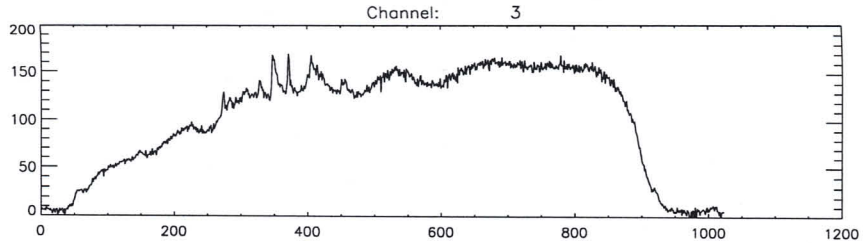
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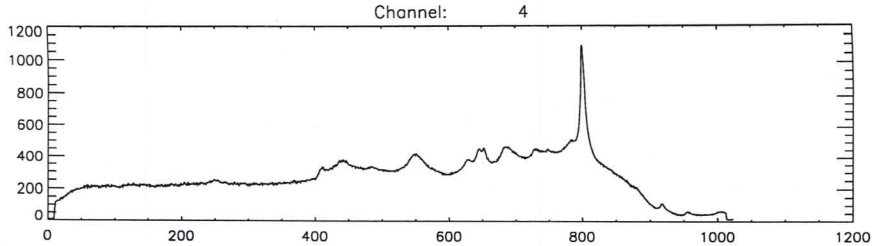
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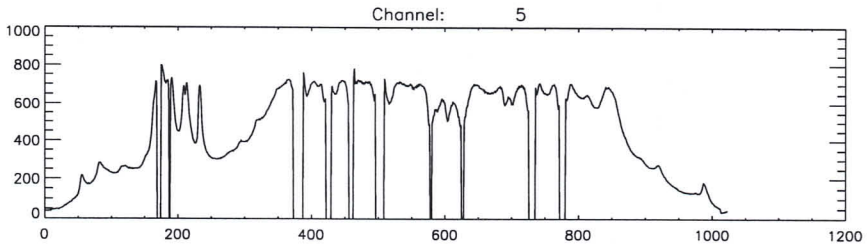
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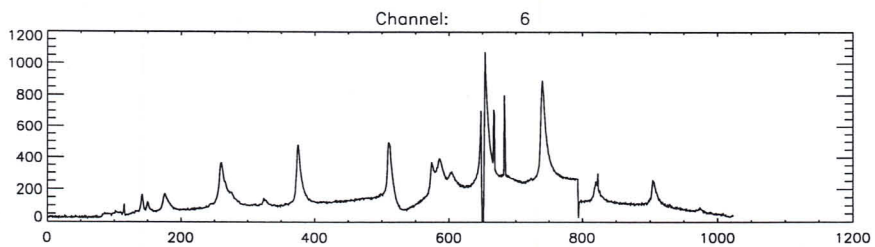
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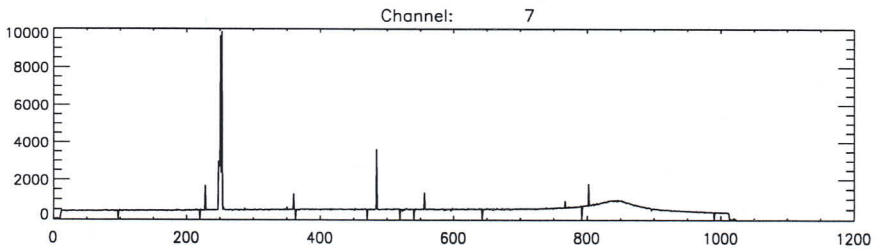
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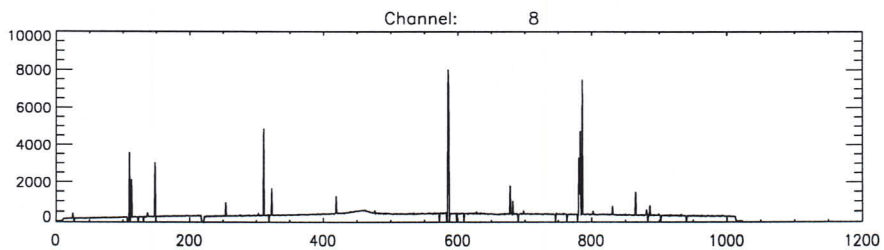
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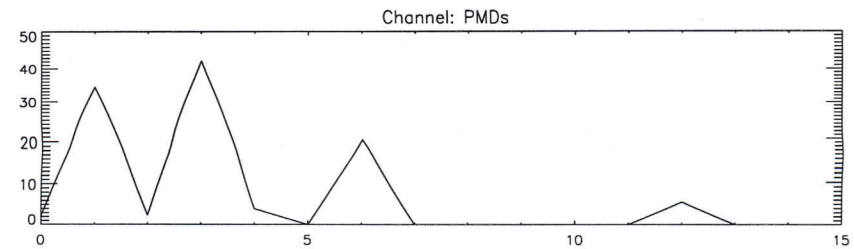
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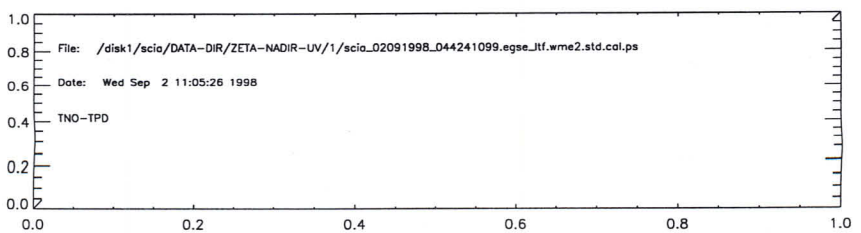
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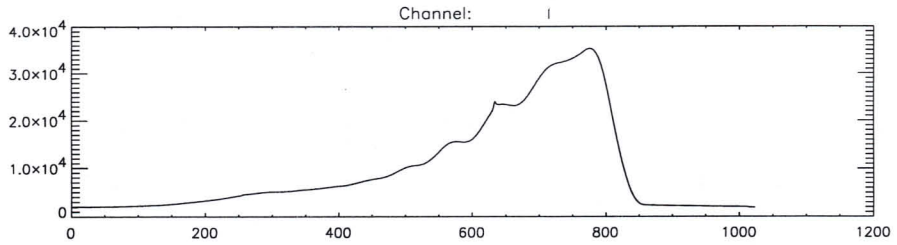
Date: Wed Sep 2 11:05:26 1998
TNO-TPD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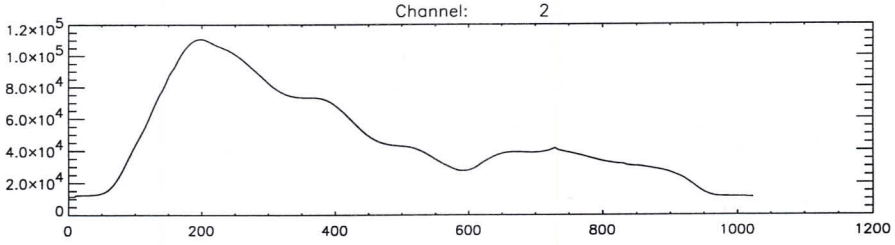
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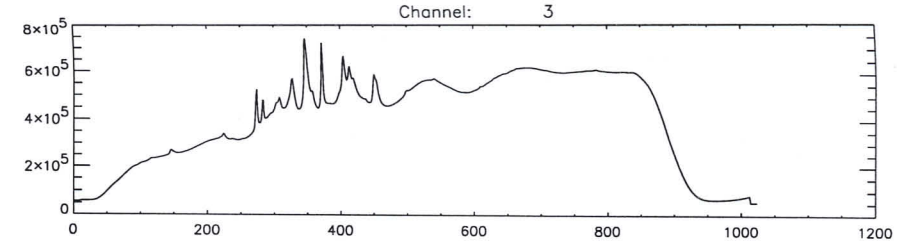
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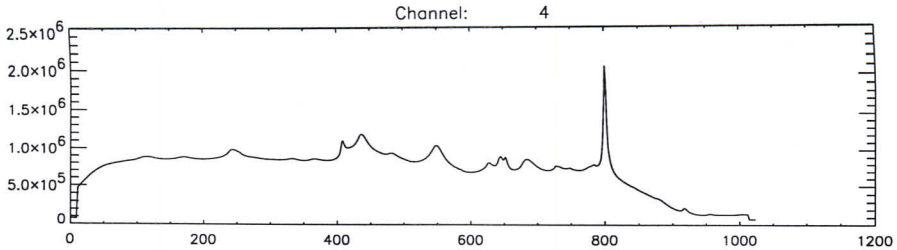
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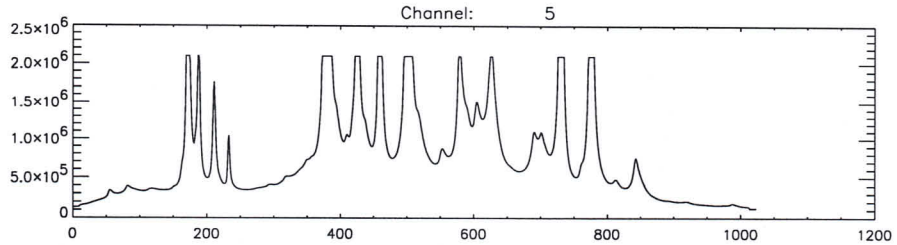
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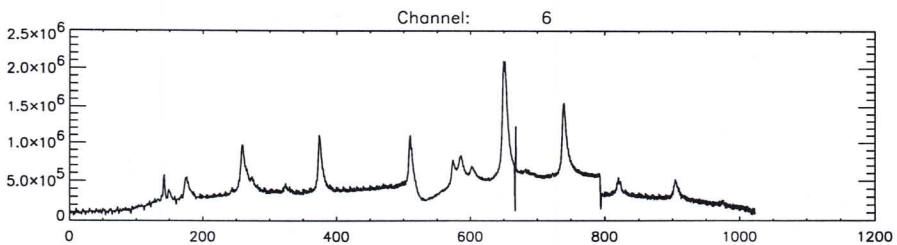
1000
1200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1000
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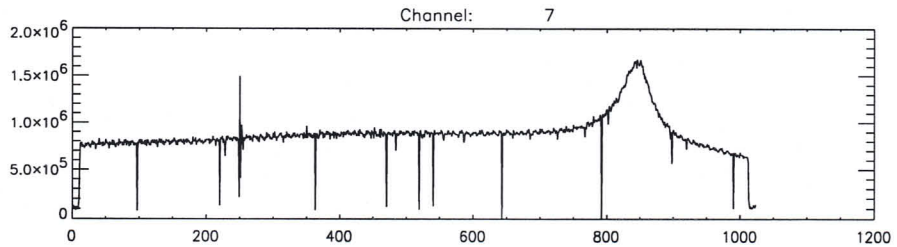
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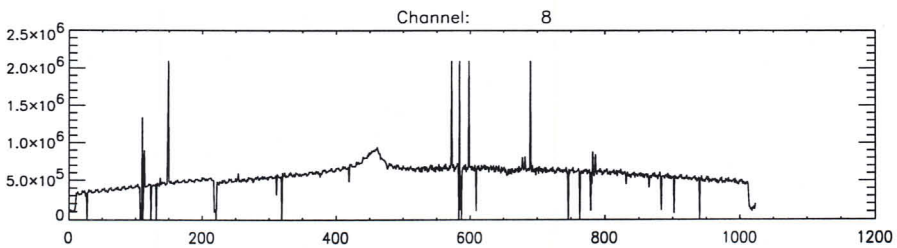
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1.0x10^6
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1000
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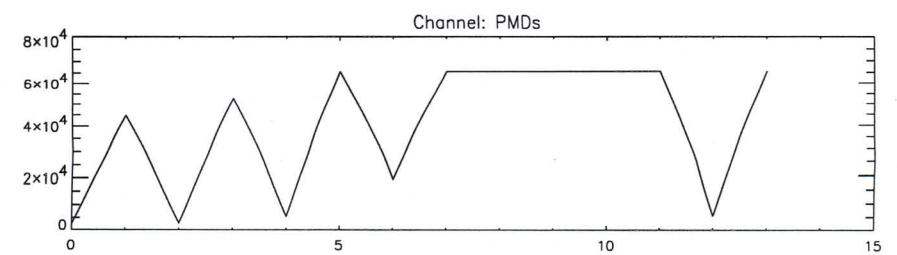
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2x10^4
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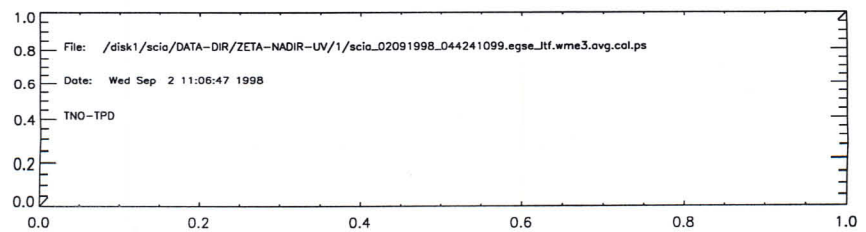
10
15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Date: Wed Sep 2 11:06:47 1998
TNO-TPD
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0.4
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0.0
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0.2
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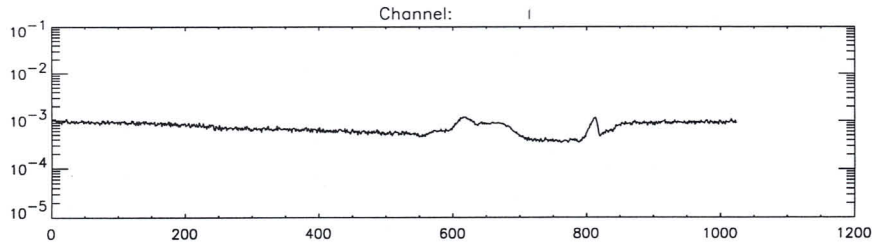
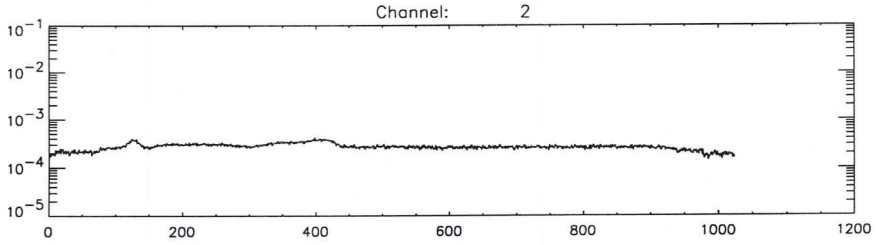
0.8
1.0


Channel: 1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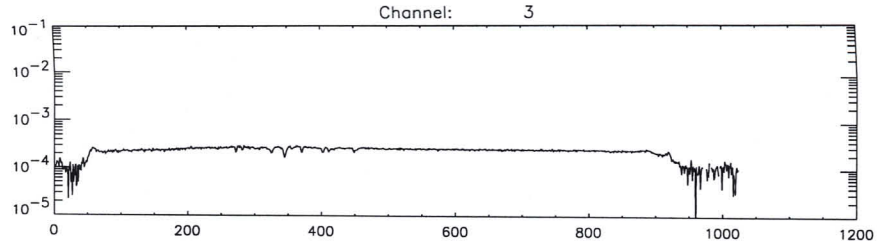
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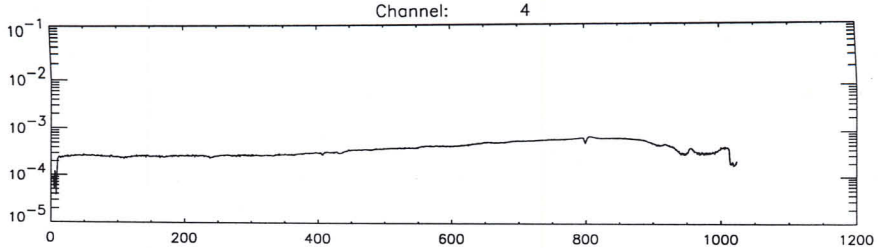
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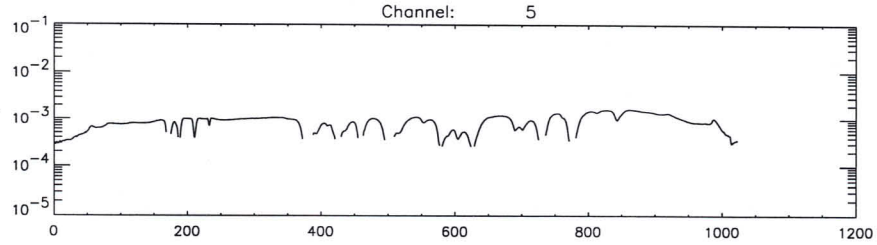
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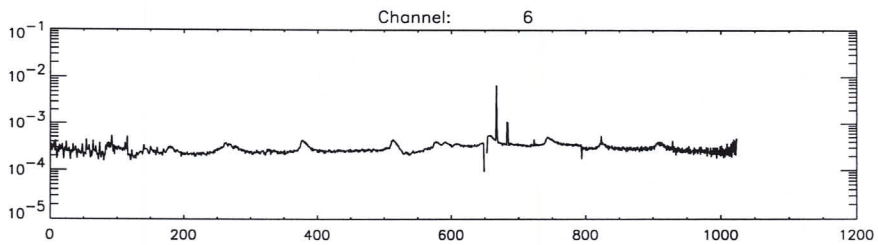
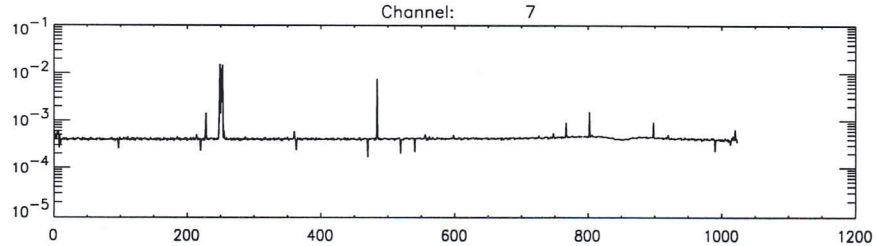
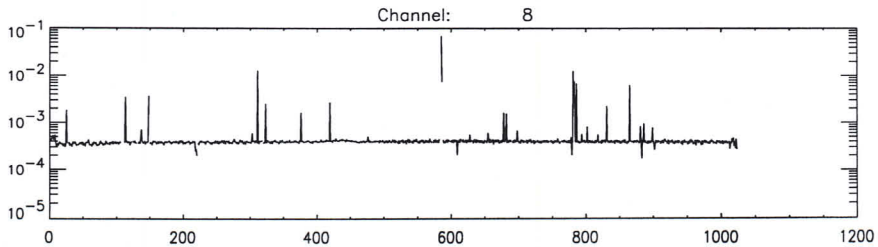
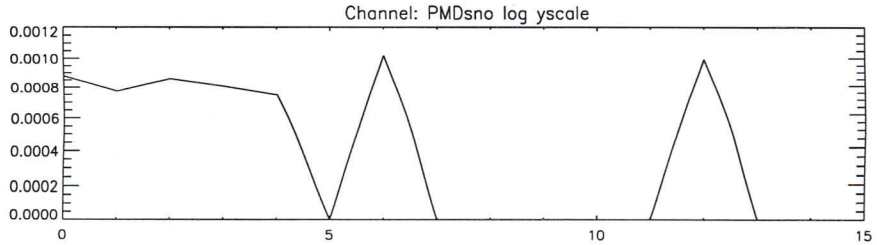
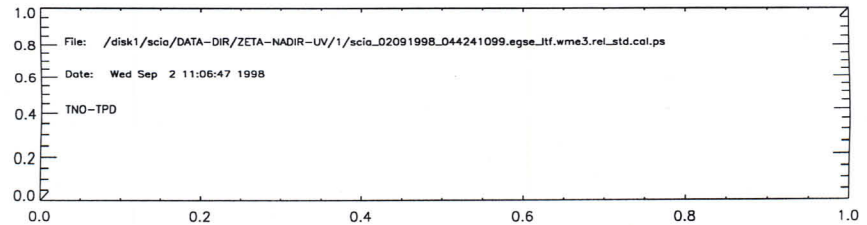

Channel: 6


Channel: 7


Channel: 8


Channel: PMDsno log yscale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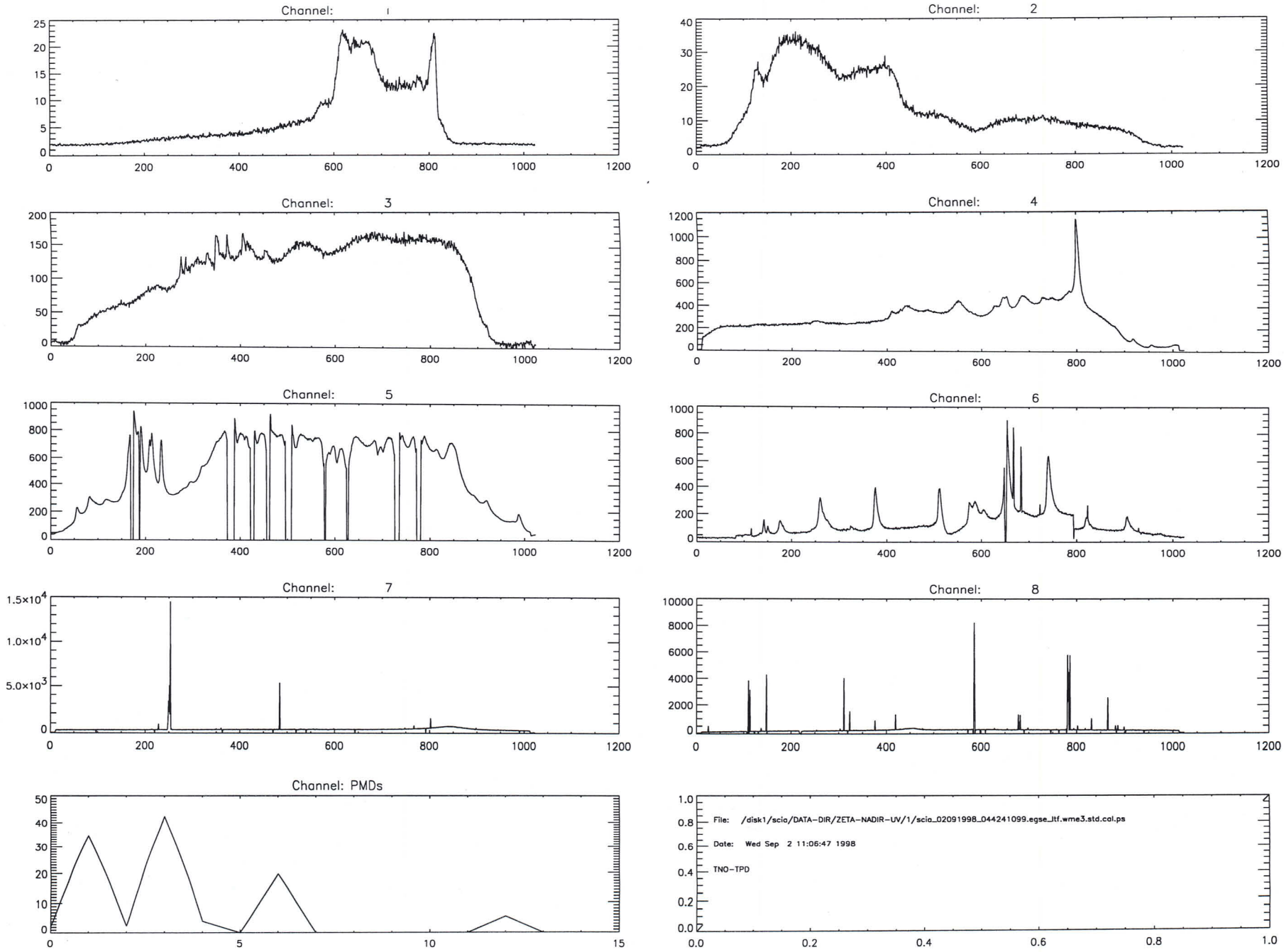
Date: Wed Sep 2 11:06:47 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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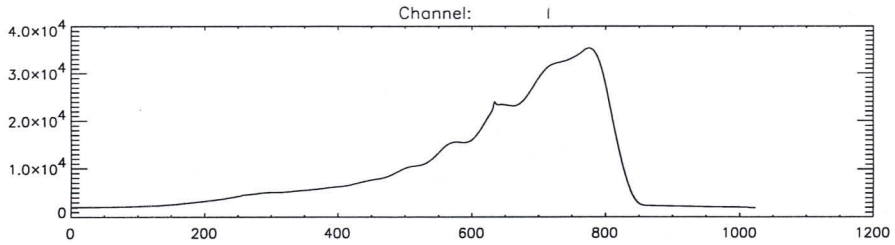
Date: Wed Sep 2 11:06:47 1998
TNO-TPD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2.0x10^4
1.0x10^4
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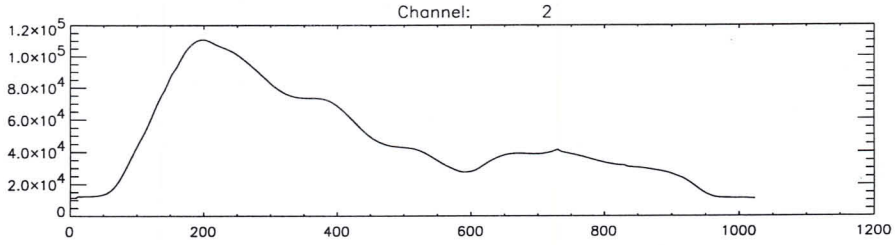
600
800
1000
1200


Channel: 2
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1.0x10^5
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2.0x10^4
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600
800
1000
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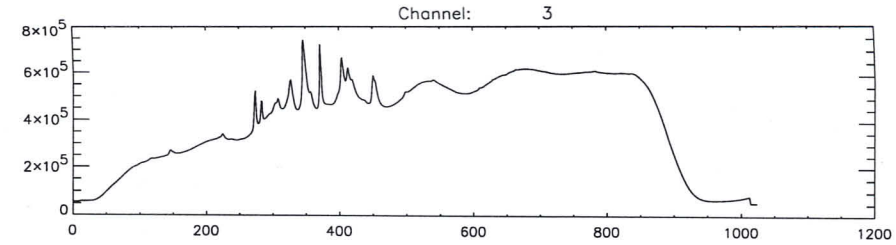
Channel: 3
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2x10^5
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800
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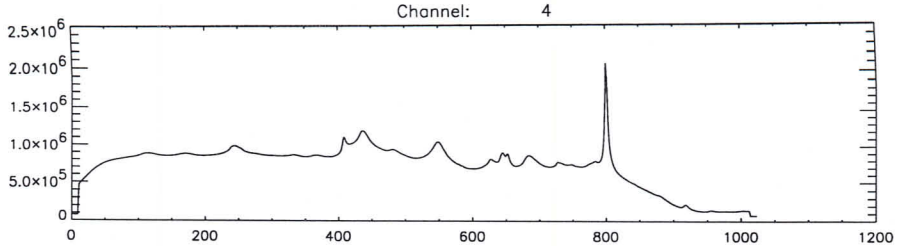
Channel: 4
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1.0x10^6
5.0x10^5
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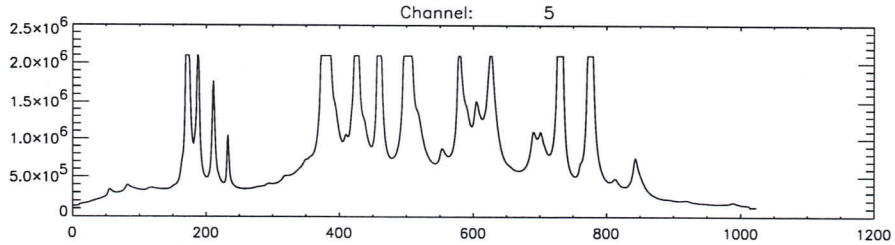
Channel: 5
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1.0x10^6
5.0x10^5
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1000
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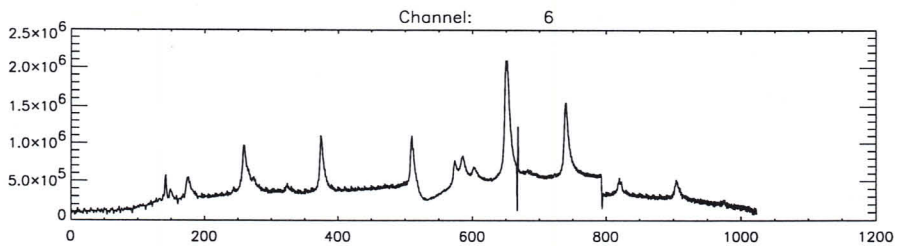
Channel: 6
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1.0x10^6
5.0x10^5
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600
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1000
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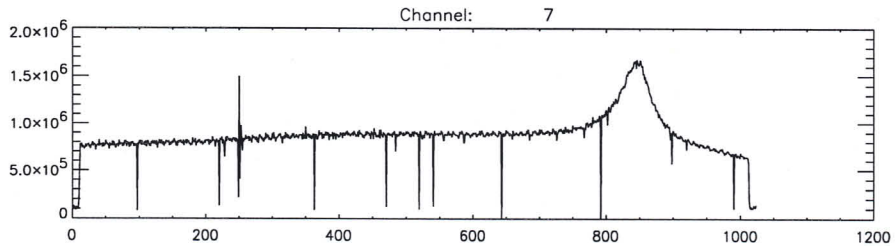
Channel: 7
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1.0x10^6
5.0x10^5
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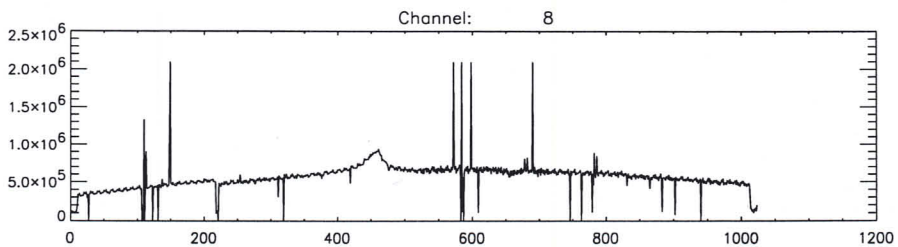
Channel: 8
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1.5x10^6
1.0x10^6
5.0x10^5
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1000
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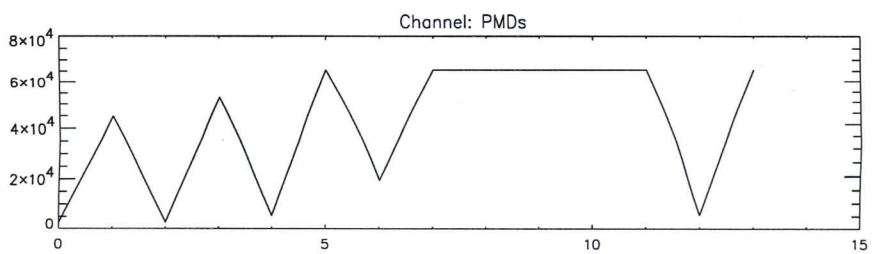
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2x10^4
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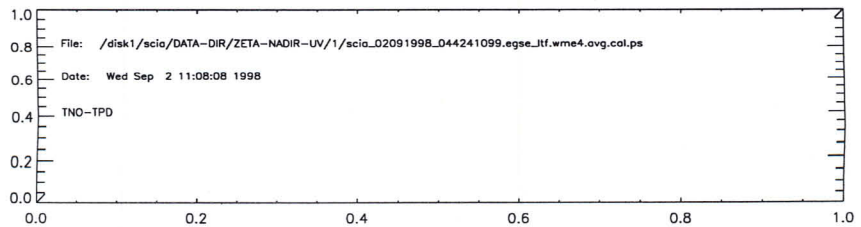
5
10
15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Date: Wed Sep 2 11:08:08 1998
TNO-TPD
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0.0
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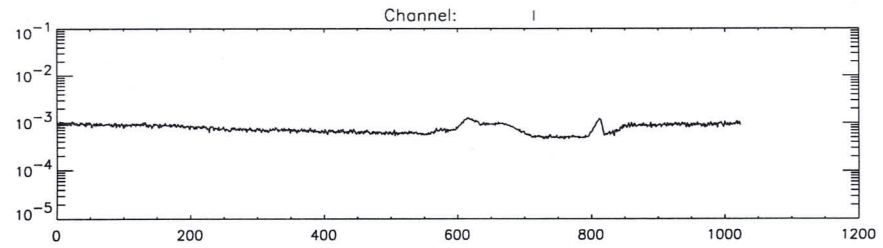
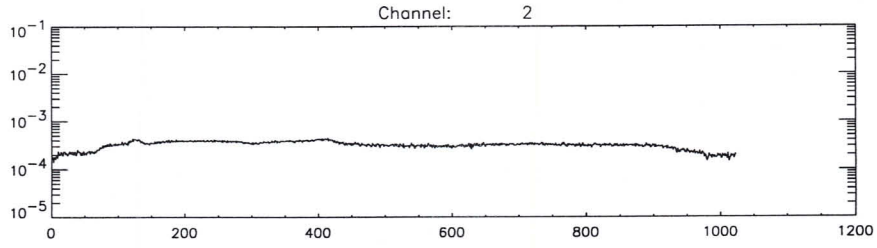
0.2
0.4
0.6
0.8
1.0


Channel: 1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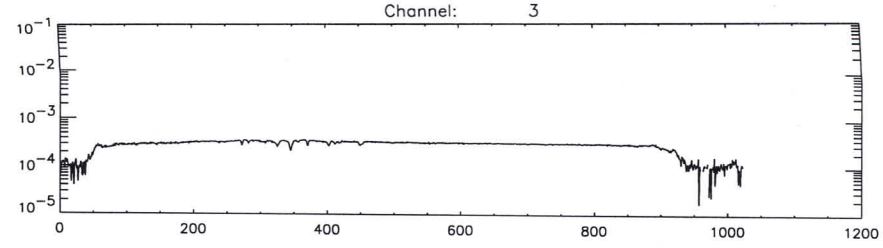
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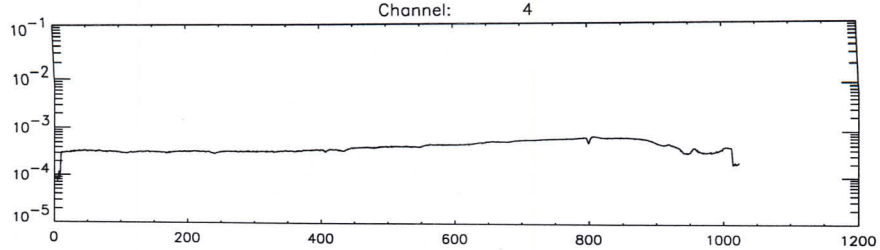
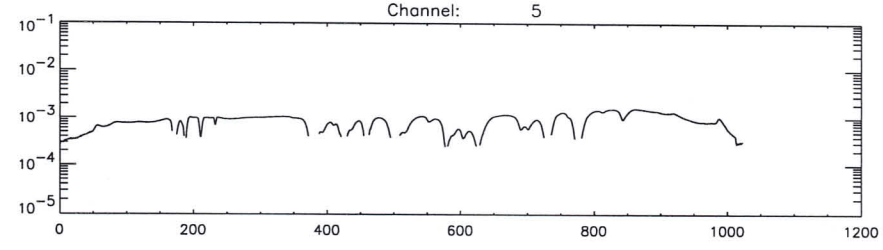

Channel: 4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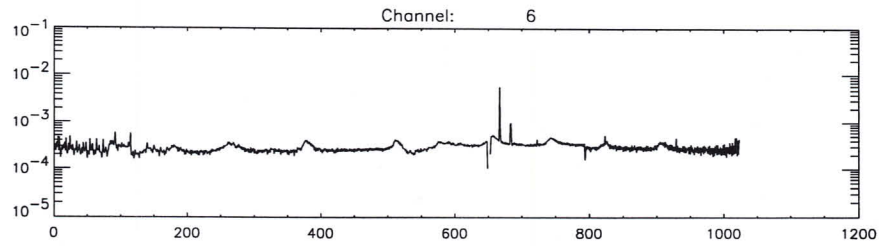
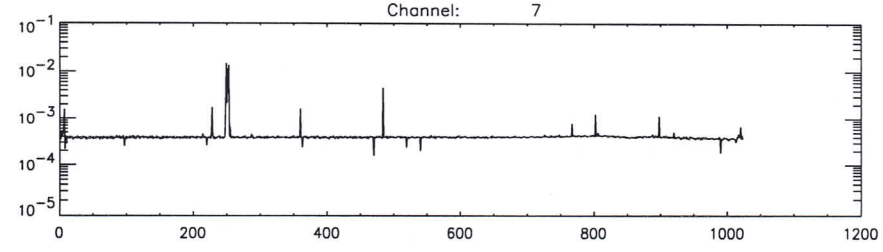

Channel: 6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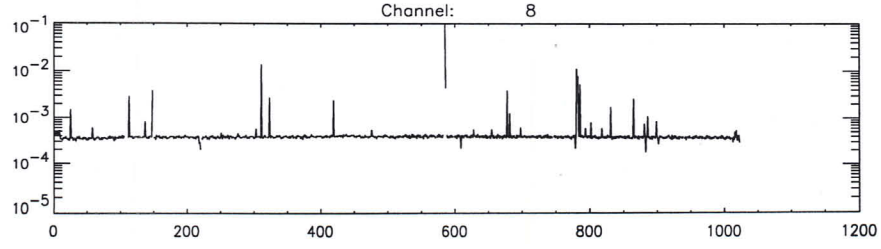
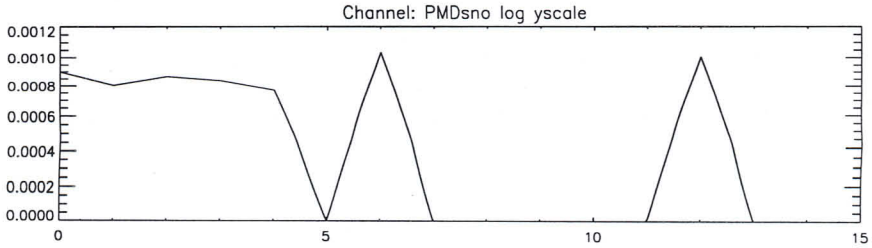
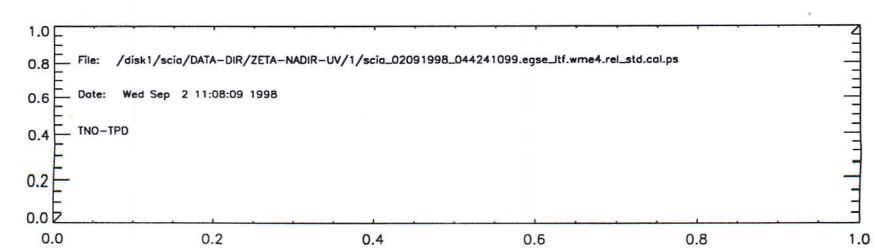

Channel: 8


Channel: PMDsno log yscale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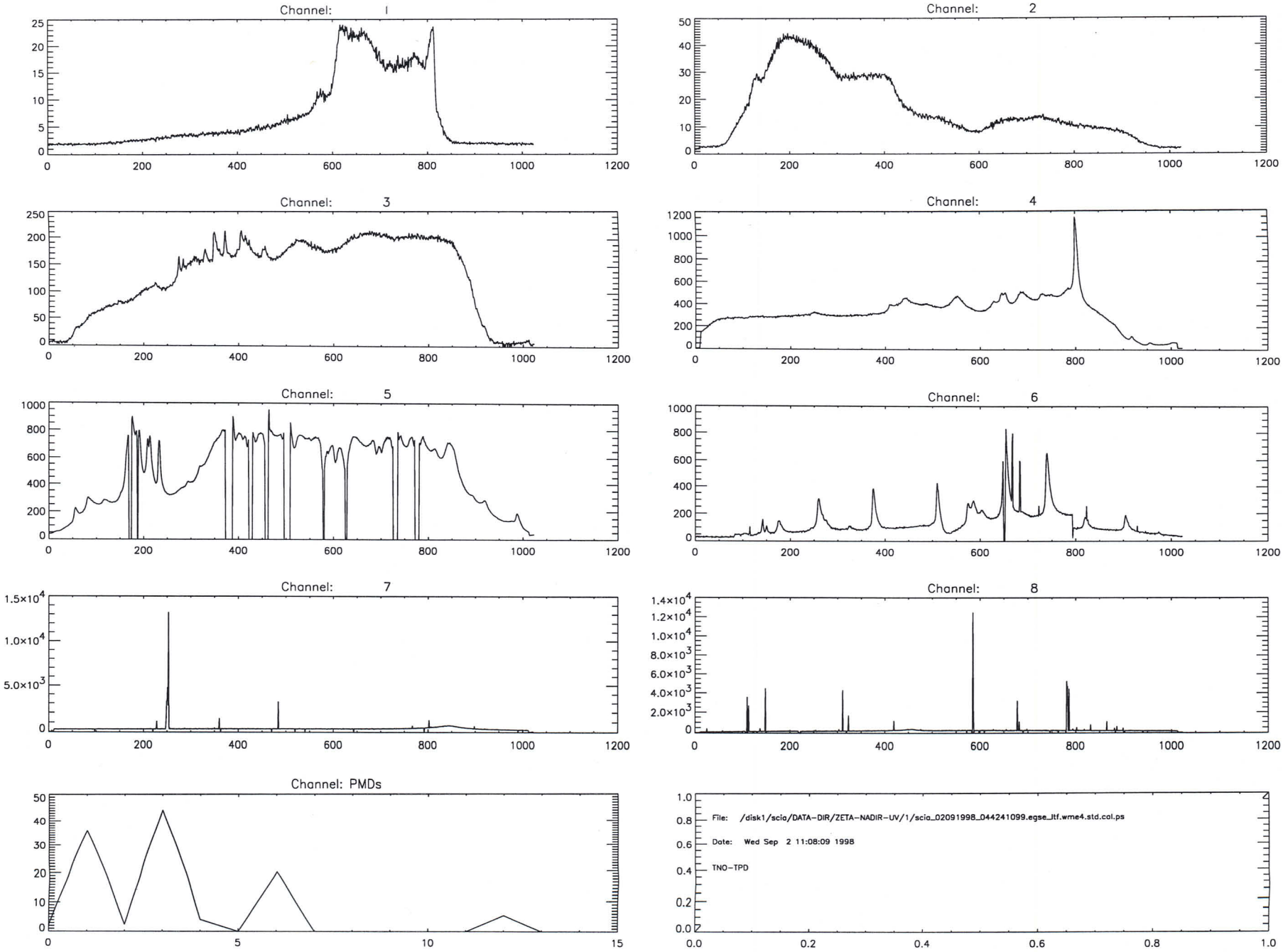
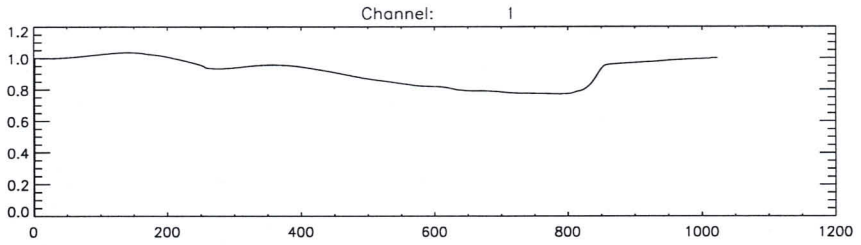
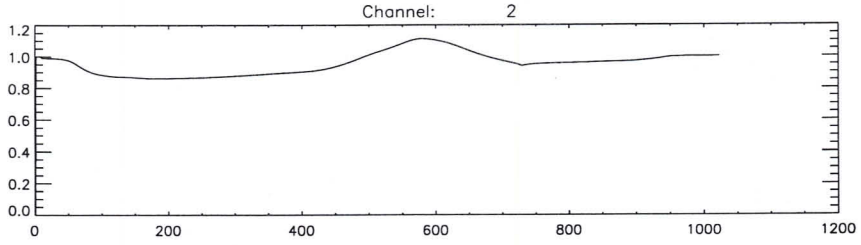
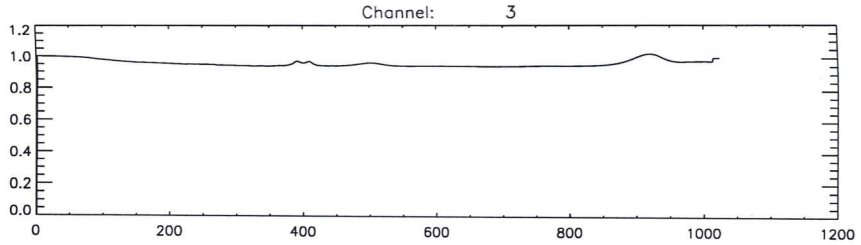
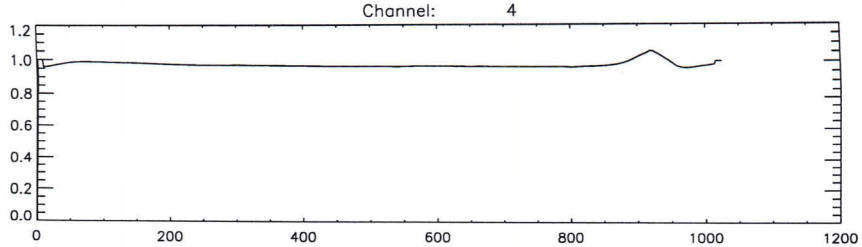
Date: Wed Sep 2 11:08:09 1998
TNO-TPD

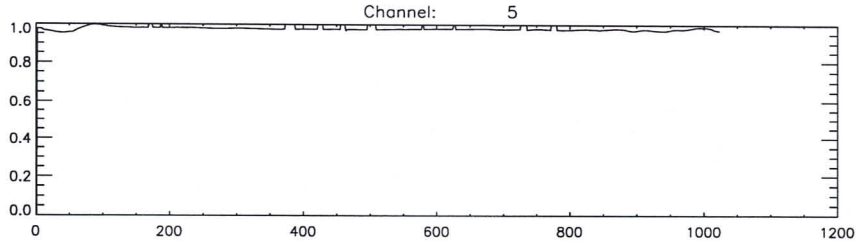

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wme4.std.col.ps
Date: Wed Sep 2 11:08:09 1998
TNO-TPD


Channel: 1


Channel: 2


Channel: 3


Channel: 4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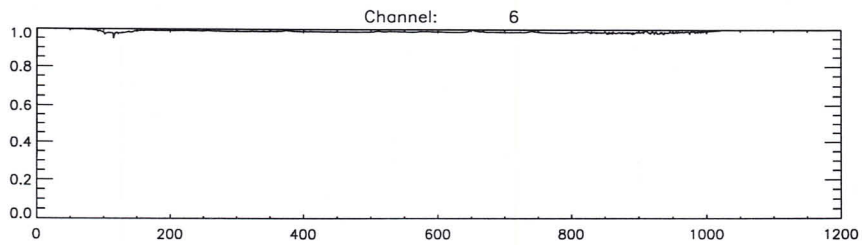
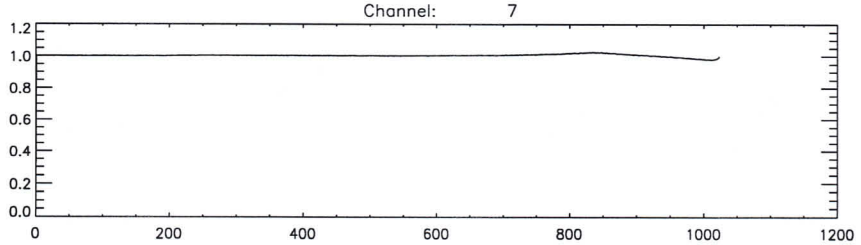
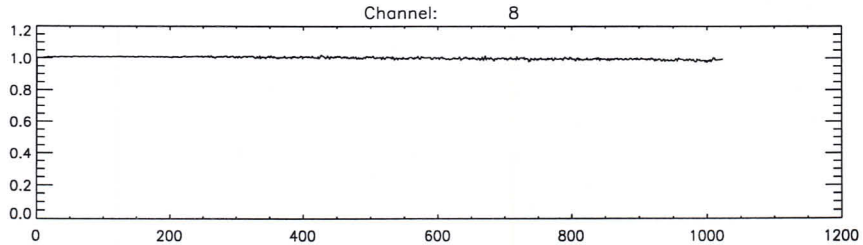
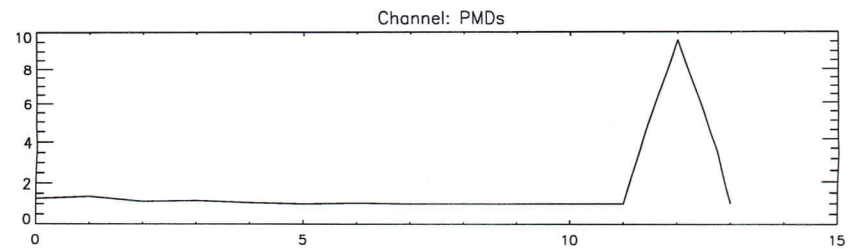
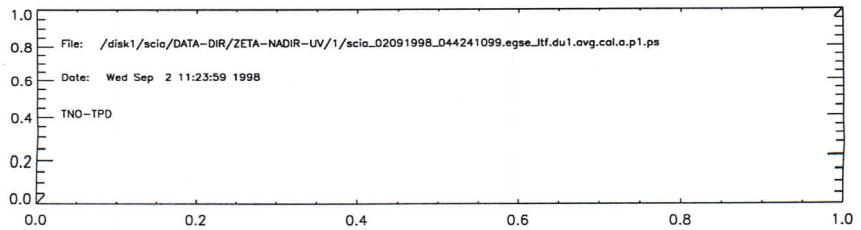
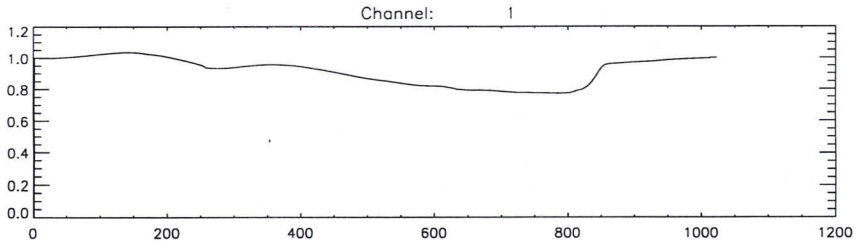

Channel: 6

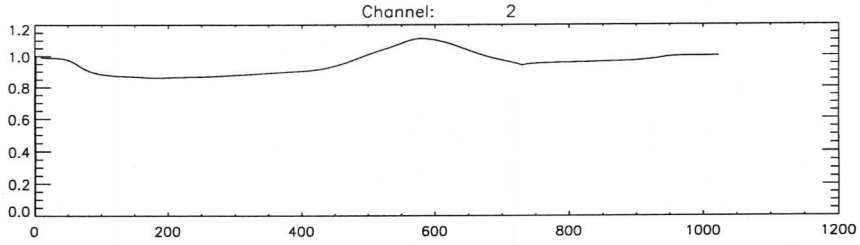

Channel: 7

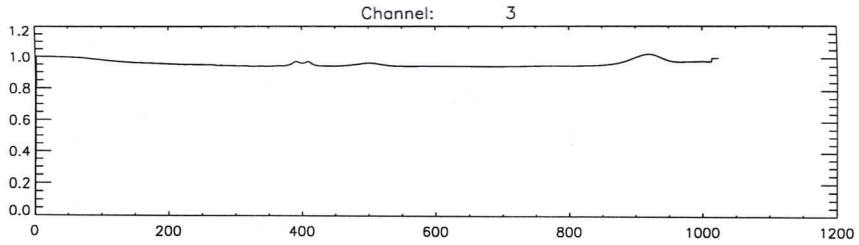

Channel: 8

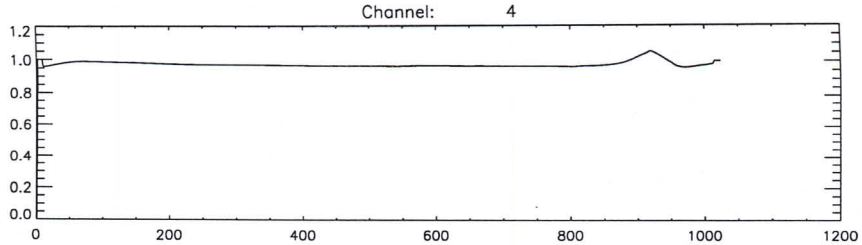

Channel: PMDs

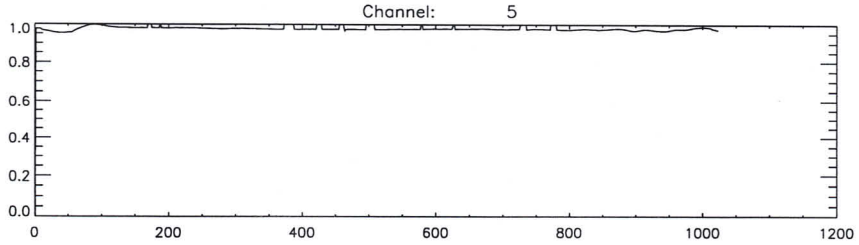

File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.cal.a.p1.ps
Date: Wed Sep 2 11:23:59 1998
TNO-TPD

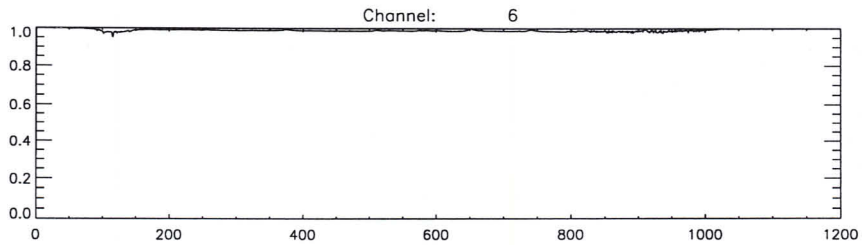

Channel: 1

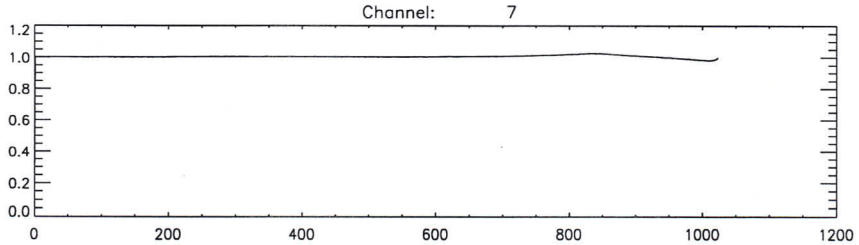

Channel: 2

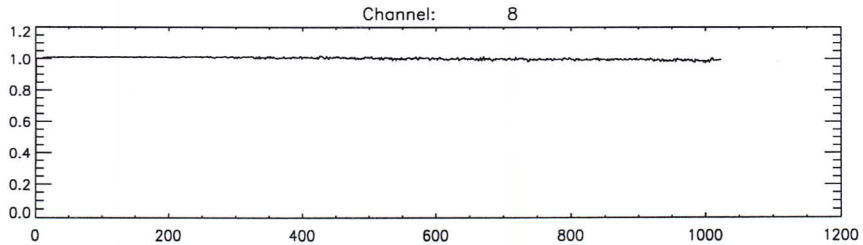

Channel: 3

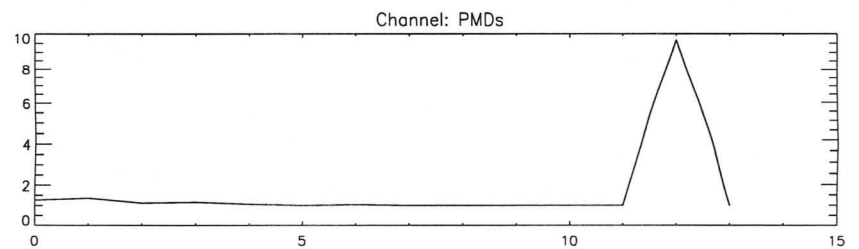

Channel: 4

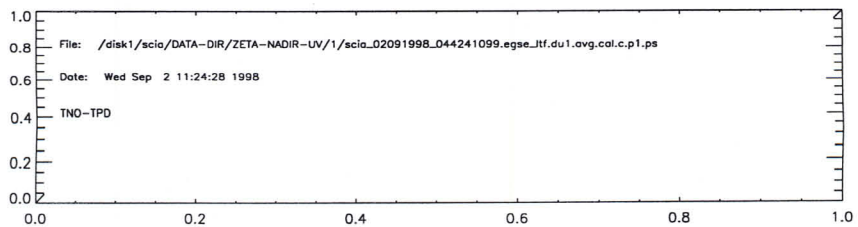

Channel: 5

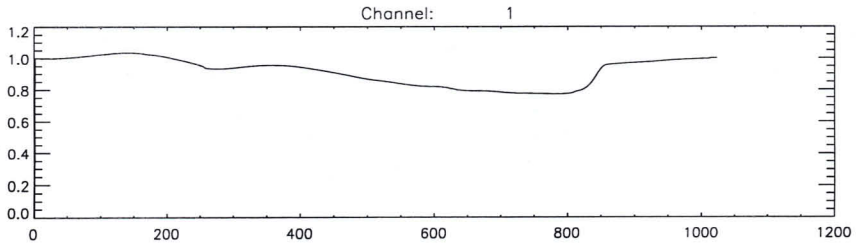

Channel: 6

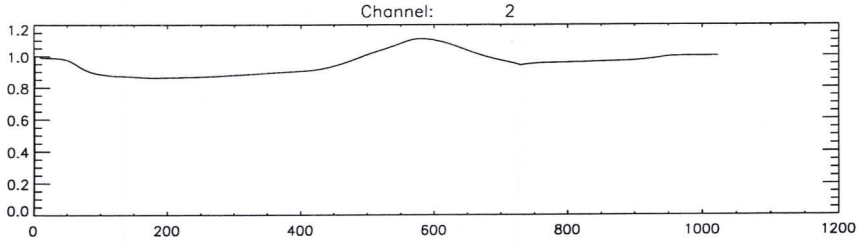

Channel: 7

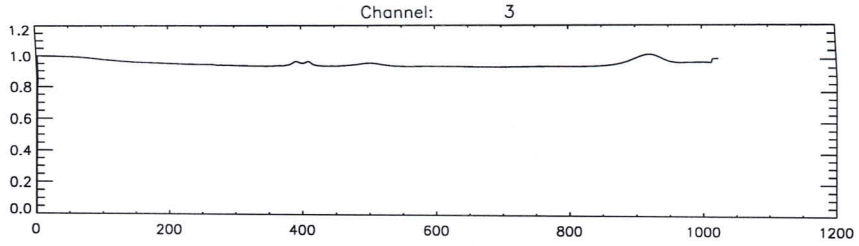

Channel: 8

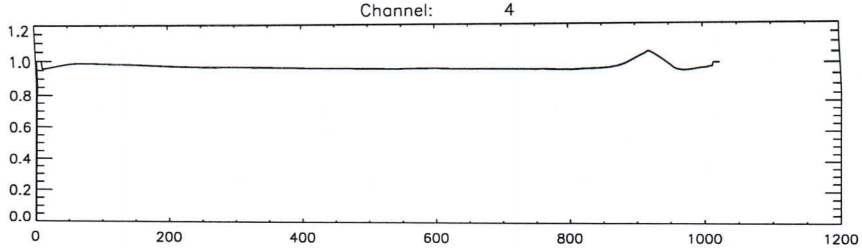

Channel: PMDs

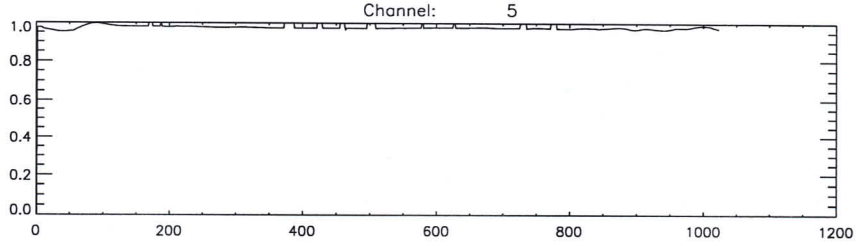

File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.cal.c.p1.ps
Date: Wed Sep 2 11:24:28 1998
TNO-TPD

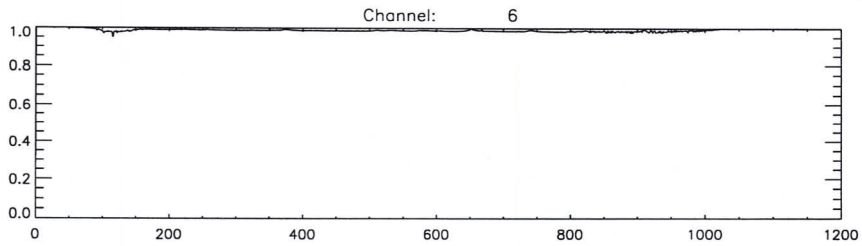

Channel: 1

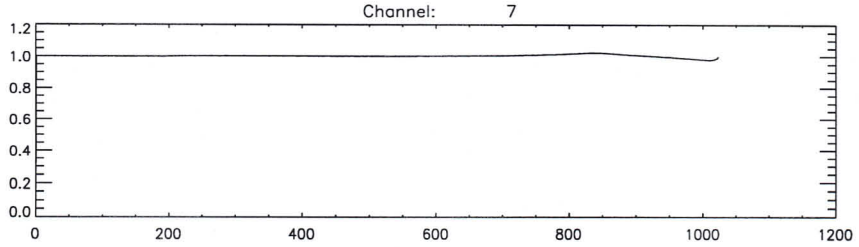

Channel: 2

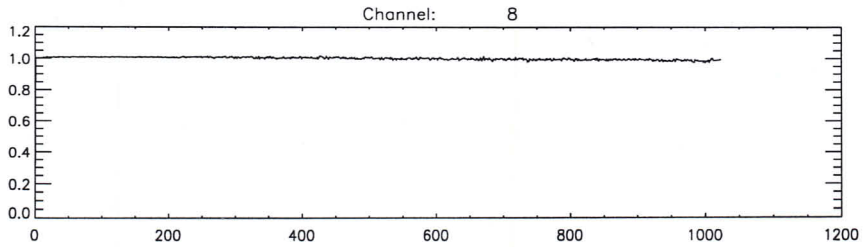

Channel: 3

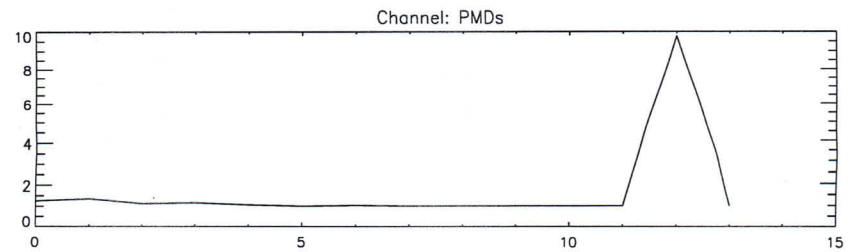

Channel: 4

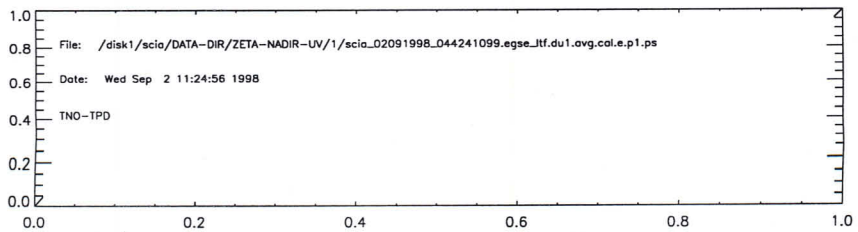

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.cal.e.p1.ps
Date: Wed Sep 2 11:24:56 1998
TNO-TPD

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wma1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wma2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wma3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wma4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4a4.av
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: Wed Sep  2 11:23:59 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.
```

Version: 0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wmc4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4c1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4c2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4c3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4c4.av
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: Wed Sep 2 11:24:28 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.

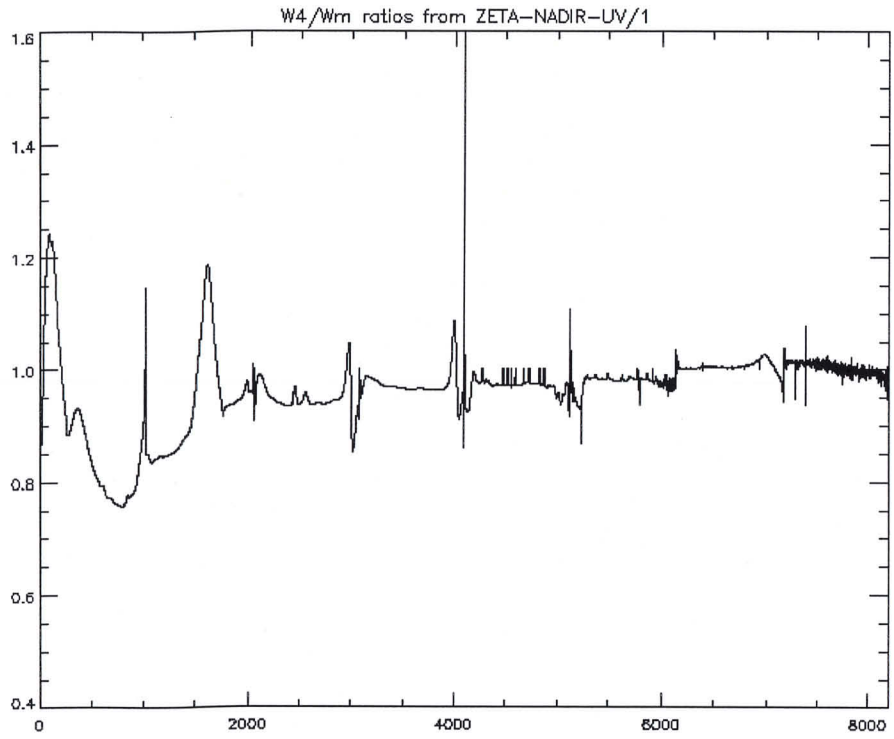
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wme1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wme2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wme3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.wme4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4e1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4e2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4e3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.w4e4.av
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: Wed Sep  2 11:24:56 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-UV/1/scia_02091998_044241099.egse_ltf.du1.avg.
```

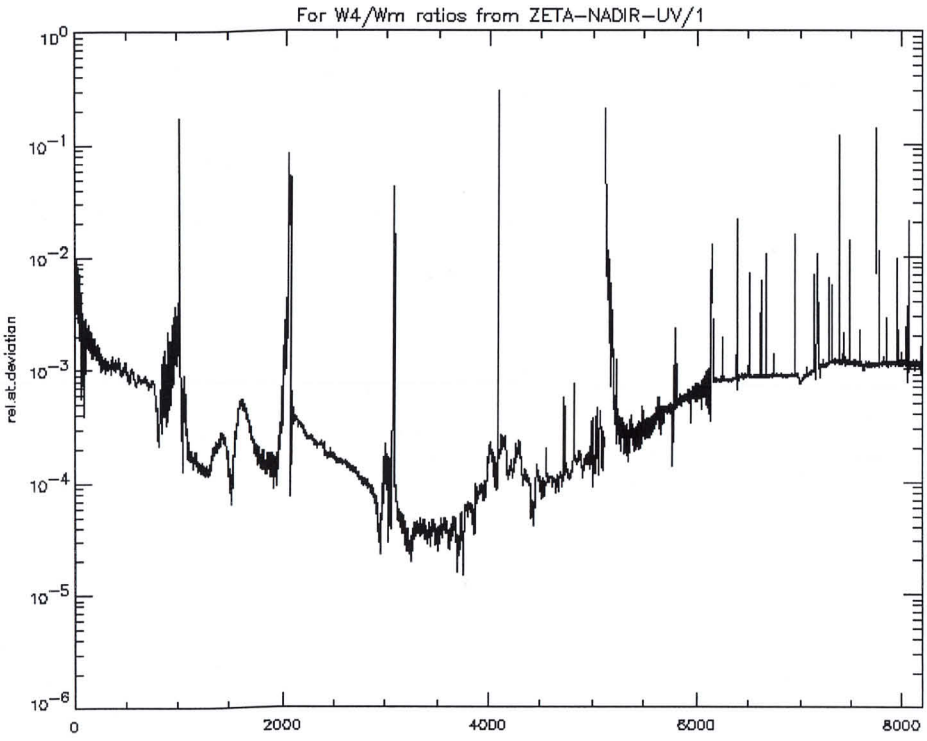
```
#! /bin/sh
mv 02090443.DAT f0.x
mv 245y0433.doc f1.x
mv 245y0441.doc f2.x
mv 245y0816.xls f3.x
mv WS_FTP.LOG f4.x
mv dapbchklog f5.x
mv dapbseqlog f6.x
mv egse.inf f7.x
mv gemsmpara.dat f8.x
mv hk_ccb.dat f9.x
mv hk_optec.dat f10.x
mv scia_02091998_044241099.dat f11.x
mv scia_02091998_044241099.egse_ltf f12.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal f13.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.a.p1.cal f14.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.a.p1.cal.log f15.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.a.p1.ps f16.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.c.p1.cal f17.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.c.p1.cal.log f18.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.c.p1.ps f19.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.e.p1.cal f20.x
r  scia_02091998_044241099.egse_ltf.du1.avg.cal.e.p1.cal.log f21.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.e.p1.ps f22.x
mv scia_02091998_044241099.egse_ltf.du1.avg.cal.ps f23.x
mv scia_02091998_044241099.egse_ltf.du1.log f24.x
mv scia_02091998_044241099.egse_ltf.du1.rel_std.cal f25.x
mv scia_02091998_044241099.egse_ltf.du1.rel_std.cal.ps f26.x
mv scia_02091998_044241099.egse_ltf.du1.std.cal f27.x
mv scia_02091998_044241099.egse_ltf.du1.std.cal.ps f28.x
mv scia_02091998_044241099.egse_ltf.du2.avg.cal f29.x
mv scia_02091998_044241099.egse_ltf.du2.avg.cal.ps f30.x
mv scia_02091998_044241099.egse_ltf.du2.log f31.x
mv scia_02091998_044241099.egse_ltf.du2.rel_std.cal f32.x
mv scia_02091998_044241099.egse_ltf.du2.rel_std.cal.ps f33.x
mv scia_02091998_044241099.egse_ltf.du2.std.cal f34.x
mv scia_02091998_044241099.egse_ltf.du2.std.cal.ps f35.x
mv scia_02091998_044241099.egse_ltf.w4a1.avg.cal f36.x
mv scia_02091998_044241099.egse_ltf.w4a1.avg.cal.ps f37.x
mv scia_02091998_044241099.egse_ltf.w4a1.log f38.x
mv scia_02091998_044241099.egse_ltf.w4a1.rel_std.cal f39.x
r  scia_02091998_044241099.egse_ltf.w4a1.rel_std.cal.ps f40.x
mv scia_02091998_044241099.egse_ltf.w4a1.std.cal f41.x
mv scia_02091998_044241099.egse_ltf.w4a1.std.cal.ps f42.x
mv scia_02091998_044241099.egse_ltf.w4a2.avg.cal f43.x
mv scia_02091998_044241099.egse_ltf.w4a2.avg.cal.ps f44.x
mv scia_02091998_044241099.egse_ltf.w4a2.log f45.x
mv scia_02091998_044241099.egse_ltf.w4a2.rel_std.cal f46.x
mv scia_02091998_044241099.egse_ltf.w4a2.rel_std.cal.ps f47.x
mv scia_02091998_044241099.egse_ltf.w4a2.std.cal f48.x
mv scia_02091998_044241099.egse_ltf.w4a2.std.cal.ps f49.x
mv scia_02091998_044241099.egse_ltf.w4a3.avg.cal f50.x
mv scia_02091998_044241099.egse_ltf.w4a3.avg.cal.ps f51.x
mv scia_02091998_044241099.egse_ltf.w4a3.log f52.x
mv scia_02091998_044241099.egse_ltf.w4a3.rel_std.cal f53.x
mv scia_02091998_044241099.egse_ltf.w4a3.rel_std.cal.ps f54.x
mv scia_02091998_044241099.egse_ltf.w4a3.std.cal f55.x
mv scia_02091998_044241099.egse_ltf.w4a3.std.cal.ps f56.x
mv scia_02091998_044241099.egse_ltf.w4a4.avg.cal f57.x
mv scia_02091998_044241099.egse_ltf.w4a4.avg.cal.ps f58.x
mv scia_02091998_044241099.egse_ltf.w4a4.log f59.x
mv scia_02091998_044241099.egse_ltf.w4a4.rel_std.cal f60.x
mv scia_02091998_044241099.egse_ltf.w4a4.rel_std.cal.ps f61.x
mv scia_02091998_044241099.egse_ltf.w4a4.std.cal f62.x
```

```
mv scia_02091998_044241099.egse_ltf.w4a4.std.cal.ps f63.x
mv scia_02091998_044241099.egse_ltf.w4c1.avg.cal f64.x
mv scia_02091998_044241099.egse_ltf.w4c1.avg.cal.ps f65.x
mv scia_02091998_044241099.egse_ltf.w4c1.log f66.x
mv scia_02091998_044241099.egse_ltf.w4c1.rel_std.cal f67.x
mv scia_02091998_044241099.egse_ltf.w4c1.rel_std.cal.ps f68.x
mv scia_02091998_044241099.egse_ltf.w4c1.std.cal f69.x
mv scia_02091998_044241099.egse_ltf.w4c1.std.cal.ps f70.x
mv scia_02091998_044241099.egse_ltf.w4c2.avg.cal f71.x
mv scia_02091998_044241099.egse_ltf.w4c2.avg.cal.ps f72.x
mv scia_02091998_044241099.egse_ltf.w4c2.log f73.x
mv scia_02091998_044241099.egse_ltf.w4c2.rel_std.cal f74.x
mv scia_02091998_044241099.egse_ltf.w4c2.rel_std.cal.ps f75.x
mv scia_02091998_044241099.egse_ltf.w4c2.std.cal f76.x
mv scia_02091998_044241099.egse_ltf.w4c2.std.cal.ps f77.x
mv scia_02091998_044241099.egse_ltf.w4c3.avg.cal f78.x
mv scia_02091998_044241099.egse_ltf.w4c3.avg.cal.ps f79.x
mv scia_02091998_044241099.egse_ltf.w4c3.log f80.x
mv scia_02091998_044241099.egse_ltf.w4c3.rel_std.cal f81.x
mv scia_02091998_044241099.egse_ltf.w4c3.rel_std.cal.ps f82.x
mv scia_02091998_044241099.egse_ltf.w4c3.std.cal f83.x
mv scia_02091998_044241099.egse_ltf.w4c3.std.cal.ps f84.x
r  scia_02091998_044241099.egse_ltf.w4c4.avg.cal f85.x
mv scia_02091998_044241099.egse_ltf.w4c4.avg.cal.ps f86.x
mv scia_02091998_044241099.egse_ltf.w4c4.log f87.x
mv scia_02091998_044241099.egse_ltf.w4c4.rel_std.cal f88.x
mv scia_02091998_044241099.egse_ltf.w4c4.rel_std.cal.ps f89.x
mv scia_02091998_044241099.egse_ltf.w4c4.std.cal f90.x
mv scia_02091998_044241099.egse_ltf.w4c4.std.cal.ps f91.x
mv scia_02091998_044241099.egse_ltf.w4e1.avg.cal f92.x
mv scia_02091998_044241099.egse_ltf.w4e1.avg.cal.ps f93.x
mv scia_02091998_044241099.egse_ltf.w4e1.log f94.x
mv scia_02091998_044241099.egse_ltf.w4e1.rel_std.cal f95.x
mv scia_02091998_044241099.egse_ltf.w4e1.rel_std.cal.ps f96.x
mv scia_02091998_044241099.egse_ltf.w4e1.std.cal f97.x
mv scia_02091998_044241099.egse_ltf.w4e1.std.cal.ps f98.x
mv scia_02091998_044241099.egse_ltf.w4e2.avg.cal f99.x
mv scia_02091998_044241099.egse_ltf.w4e2.avg.cal.ps f100.x
mv scia_02091998_044241099.egse_ltf.w4e2.log f101.x
mv scia_02091998_044241099.egse_ltf.w4e2.rel_std.cal f102.x
mv scia_02091998_044241099.egse_ltf.w4e2.rel_std.cal.ps f103.x
n  scia_02091998_044241099.egse_ltf.w4e2.std.cal f104.x
mv scia_02091998_044241099.egse_ltf.w4e2.std.cal.ps f105.x
mv scia_02091998_044241099.egse_ltf.w4e3.avg.cal f106.x
mv scia_02091998_044241099.egse_ltf.w4e3.avg.cal.ps f107.x
mv scia_02091998_044241099.egse_ltf.w4e3.log f108.x
mv scia_02091998_044241099.egse_ltf.w4e3.rel_std.cal f109.x
mv scia_02091998_044241099.egse_ltf.w4e3.rel_std.cal.ps f110.x
mv scia_02091998_044241099.egse_ltf.w4e3.std.cal f111.x
mv scia_02091998_044241099.egse_ltf.w4e3.std.cal.ps f112.x
mv scia_02091998_044241099.egse_ltf.w4e4.avg.cal f113.x
mv scia_02091998_044241099.egse_ltf.w4e4.avg.cal.ps f114.x
mv scia_02091998_044241099.egse_ltf.w4e4.log f115.x
mv scia_02091998_044241099.egse_ltf.w4e4.rel_std.cal f116.x
mv scia_02091998_044241099.egse_ltf.w4e4.rel_std.cal.ps f117.x
mv scia_02091998_044241099.egse_ltf.w4e4.std.cal f118.x
mv scia_02091998_044241099.egse_ltf.w4e4.std.cal.ps f119.x
mv scia_02091998_044241099.egse_ltf.wma1.avg.cal f120.x
mv scia_02091998_044241099.egse_ltf.wma1.avg.cal.ps f121.x
mv scia_02091998_044241099.egse_ltf.wma1.log f122.x
mv scia_02091998_044241099.egse_ltf.wma1.rel_std.cal f123.x
mv scia_02091998_044241099.egse_ltf.wma1.rel_std.cal.ps f124.x
mv scia_02091998_044241099.egse_ltf.wma1.std.cal f125.x
mv scia_02091998_044241099.egse_ltf.wma1.std.cal.ps f126.x
```

```
mv scia_02091998_044241099.egse_ltf.wma2.avg.cal f127.x
mv scia_02091998_044241099.egse_ltf.wma2.avg.cal.ps f128.x
mv scia_02091998_044241099.egse_ltf.wma2.log f129.x
mv scia_02091998_044241099.egse_ltf.wma2.rel_std.cal f130.x
mv scia_02091998_044241099.egse_ltf.wma2.rel_std.cal.ps f131.x
mv scia_02091998_044241099.egse_ltf.wma2.std.cal f132.x
mv scia_02091998_044241099.egse_ltf.wma2.std.cal.ps f133.x
mv scia_02091998_044241099.egse_ltf.wma3.avg.cal f134.x
mv scia_02091998_044241099.egse_ltf.wma3.avg.cal.ps f135.x
mv scia_02091998_044241099.egse_ltf.wma3.log f136.x
mv scia_02091998_044241099.egse_ltf.wma3.rel_std.cal f137.x
mv scia_02091998_044241099.egse_ltf.wma3.rel_std.cal.ps f138.x
mv scia_02091998_044241099.egse_ltf.wma3.std.cal f139.x
mv scia_02091998_044241099.egse_ltf.wma3.std.cal.ps f140.x
mv scia_02091998_044241099.egse_ltf.wma4.avg.cal f141.x
mv scia_02091998_044241099.egse_ltf.wma4.avg.cal.ps f142.x
mv scia_02091998_044241099.egse_ltf.wma4.log f143.x
mv scia_02091998_044241099.egse_ltf.wma4.rel_std.cal f144.x
mv scia_02091998_044241099.egse_ltf.wma4.rel_std.cal.ps f145.x
mv scia_02091998_044241099.egse_ltf.wma4.std.cal f146.x
mv scia_02091998_044241099.egse_ltf.wma4.std.cal.ps f147.x
mv scia_02091998_044241099.egse_ltf.wmc1.avg.cal f148.x
r  scia_02091998_044241099.egse_ltf.wmc1.avg.cal.ps f149.x
mv scia_02091998_044241099.egse_ltf.wmc1.log f150.x
mv scia_02091998_044241099.egse_ltf.wmc1.rel_std.cal f151.x
mv scia_02091998_044241099.egse_ltf.wmc1.rel_std.cal.ps f152.x
mv scia_02091998_044241099.egse_ltf.wmc1.std.cal f153.x
mv scia_02091998_044241099.egse_ltf.wmc1.std.cal.ps f154.x
mv scia_02091998_044241099.egse_ltf.wmc2.avg.cal f155.x
mv scia_02091998_044241099.egse_ltf.wmc2.avg.cal.ps f156.x
mv scia_02091998_044241099.egse_ltf.wmc2.log f157.x
mv scia_02091998_044241099.egse_ltf.wmc2.rel_std.cal f158.x
mv scia_02091998_044241099.egse_ltf.wmc2.rel_std.cal.ps f159.x
mv scia_02091998_044241099.egse_ltf.wmc2.std.cal f160.x
mv scia_02091998_044241099.egse_ltf.wmc2.std.cal.ps f161.x
mv scia_02091998_044241099.egse_ltf.wmc3.avg.cal f162.x
mv scia_02091998_044241099.egse_ltf.wmc3.avg.cal.ps f163.x
mv scia_02091998_044241099.egse_ltf.wmc3.log f164.x
mv scia_02091998_044241099.egse_ltf.wmc3.rel_std.cal f165.x
mv scia_02091998_044241099.egse_ltf.wmc3.rel_std.cal.ps f166.x
mv scia_02091998_044241099.egse_ltf.wmc3.std.cal f167.x
n  scia_02091998_044241099.egse_ltf.wmc3.std.cal.ps f168.x
mv scia_02091998_044241099.egse_ltf.wmc4.avg.cal f169.x
mv scia_02091998_044241099.egse_ltf.wmc4.avg.cal.ps f170.x
mv scia_02091998_044241099.egse_ltf.wmc4.log f171.x
mv scia_02091998_044241099.egse_ltf.wmc4.rel_std.cal f172.x
mv scia_02091998_044241099.egse_ltf.wmc4.rel_std.cal.ps f173.x
mv scia_02091998_044241099.egse_ltf.wmc4.std.cal f174.x
mv scia_02091998_044241099.egse_ltf.wmc4.std.cal.ps f175.x
mv scia_02091998_044241099.egse_ltf.wme1.avg.cal f176.x
mv scia_02091998_044241099.egse_ltf.wme1.avg.cal.ps f177.x
mv scia_02091998_044241099.egse_ltf.wme1.log f178.x
mv scia_02091998_044241099.egse_ltf.wme1.rel_std.cal f179.x
mv scia_02091998_044241099.egse_ltf.wme1.rel_std.cal.ps f180.x
mv scia_02091998_044241099.egse_ltf.wme1.std.cal f181.x
mv scia_02091998_044241099.egse_ltf.wme1.std.cal.ps f182.x
mv scia_02091998_044241099.egse_ltf.wme2.avg.cal f183.x
mv scia_02091998_044241099.egse_ltf.wme2.avg.cal.ps f184.x
mv scia_02091998_044241099.egse_ltf.wme2.log f185.x
mv scia_02091998_044241099.egse_ltf.wme2.rel_std.cal f186.x
mv scia_02091998_044241099.egse_ltf.wme2.rel_std.cal.ps f187.x
mv scia_02091998_044241099.egse_ltf.wme2.std.cal f188.x
mv scia_02091998_044241099.egse_ltf.wme2.std.cal.ps f189.x
mv scia_02091998_044241099.egse_ltf.wme3.avg.cal f190.x
```

```
mv scia_02091998_044241099.egse_ltf.wme3.avg.cal.ps f191.x
mv scia_02091998_044241099.egse_ltf.wme3.log f192.x
mv scia_02091998_044241099.egse_ltf.wme3.rel_std.cal f193.x
mv scia_02091998_044241099.egse_ltf.wme3.rel_std.cal.ps f194.x
mv scia_02091998_044241099.egse_ltf.wme3.std.cal f195.x
mv scia_02091998_044241099.egse_ltf.wme3.std.cal.ps f196.x
mv scia_02091998_044241099.egse_ltf.wme4.avg.cal f197.x
mv scia_02091998_044241099.egse_ltf.wme4.avg.cal.ps f198.x
mv scia_02091998_044241099.egse_ltf.wme4.log f199.x
mv scia_02091998_044241099.egse_ltf.wme4.rel_std.cal f200.x
mv scia_02091998_044241099.egse_ltf.wme4.rel_std.cal.ps f201.x
mv scia_02091998_044241099.egse_ltf.wme4.std.cal f202.x
mv scia_02091998_044241099.egse_ltf.wme4.std.cal.ps f203.x
mv scia_02091998_045831261.dat f204.x
mv scia_02091998_051426205.dat f205.x
mv scia_02091998_053047541.dat f206.x
mv scia_02091998_054632887.dat f207.x
mv scia_02091998_060255479.dat f208.x
mv scia_02091998_061840875.dat f209.x
mv scia_02091998_063425162.dat f210.x
mv scia_02091998_065047169.dat f211.x
mv scia_02091998_070639578.dat f212.x
r  scia_02091998_072310745.dat f213.x
mv scia_02091998_073856247.dat f214.x
mv scia_02091998_075429552.dat f215.x
mv scia_02091998_081050235.dat f216.x
```

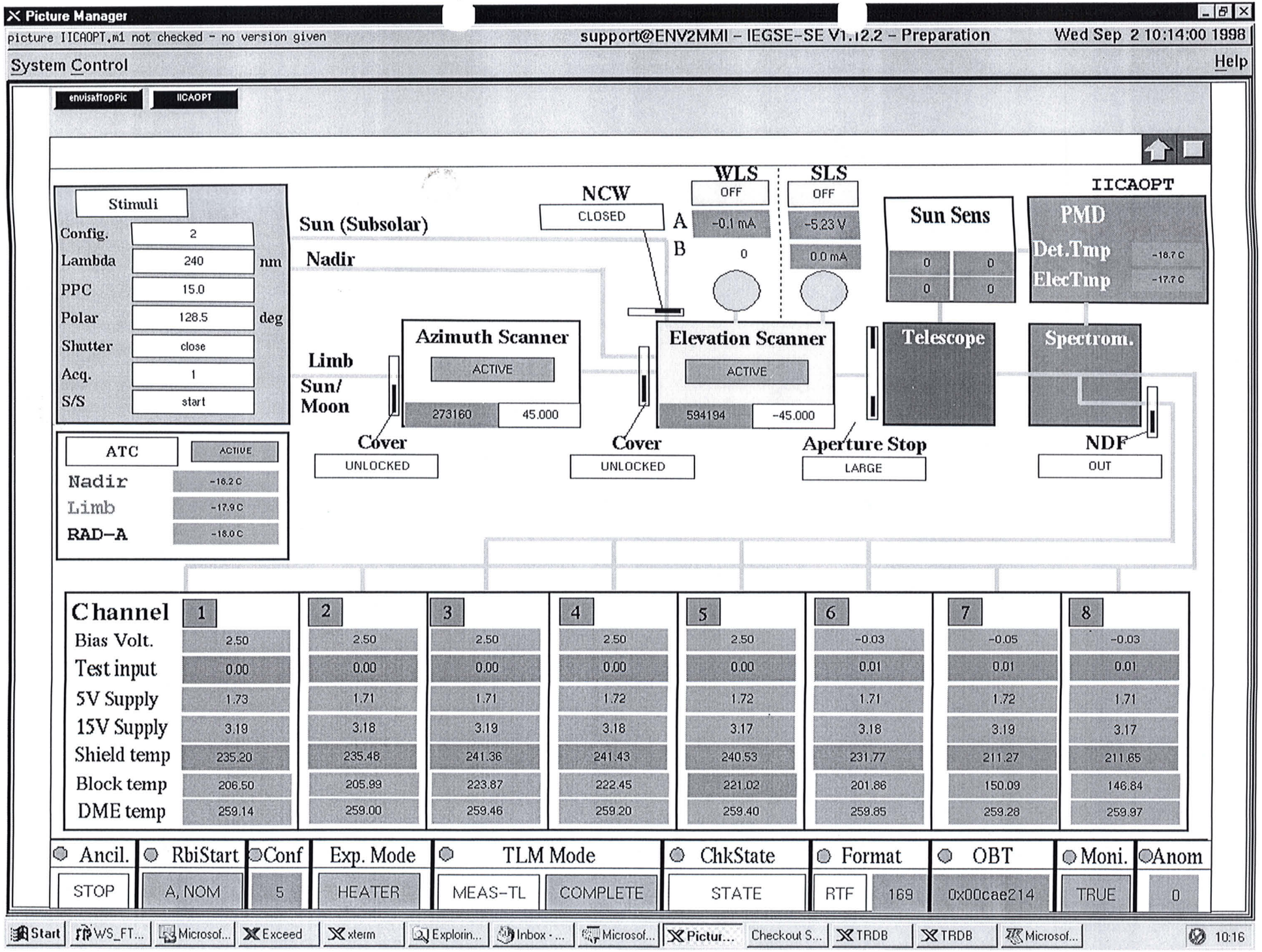

W4/Wm ratios from ZETA-NADIR-UV/1
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0
2000
4000
6000
8000


For W4/Wm ratios from ZETA-NADIR-UV/1
rel.at.deviation
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
0
2000
4000
6000
8000

```
; 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/ZETA-NADIR-UV/1/....du1.avg.cal"
print,"DATA-DIR/ZETA-NADIR-UV/1/....W*a#.avg.cal
print

marion13,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=[0.5,1.5], $
      xrange=[0,8192], xstyle=1,title="W4/Wm ratios from ZETA-NADIR-UV/1"

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 W4/Wm ratios from ZETA-NADIR-UV/1", $
        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: SUN Aug 23 17:40:00 1998
; Marion13.pro
; by Marion Stoppelenburg
; Reading a set of WP and WS files.
; Filling arrays for further analysis e.g. std.dev.
; Updated version from Marion6.pro
@cal_file_func
@cal_func
@correction

PRO Marion13, w4array, wmarray

        NumberOfParameters = N_Params()
        if (NumberOfParameters EQ 0) then begin
                print
                print, '************************************************'
                print, 'syntax is: '
                print, 'marion13, aap, noot'
                print, 'where "aap" is the result array with all w4-data'
                print, 'where "noot" is the result array with all wm-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. wmd# or w4d# for
print
cpath = getenv ('CALDATADIR')
filename=pickfile(title='Select a WM or a W4 file',filter='*.[Aa][Vv][Gg].[Cc]
                        ,path=cpath,/read)

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 WMx# and W4x# files'
print
filetypecharacterfilter = '[' + strupcase(filetypecharacter) + filetypecharact
filterend = '.[Aa][Vv][Gg].[Cc][Aa][Ll]'
filter = '*[Ww][Mm]' + filetypecharacterfilter + '*' + filterend
wmfiles = findfile(filesubdirectory + '/' + filter, COUNT=WmNumberOfFiles)
filter = '*[Ww][4]' + filetypecharacterfilter + '*' + filterend
w4files = findfile(filesubdirectory + '/' + filter, COUNT=W4NumberOfFiles)
```

```
print
print, 'Sorting arrays with filenames'
print
wsort = wmfiles
zsort = wsort
wsort = strlowcase(wsort)
asort = SORT(wsort)
for i=0,WmNumberOfFiles-1 do wmfiles(i)=zsort(asort(i))
wsort = w4files
zsort = wsort
wsort =strlowcase(wsort)
asort = SORT(wsort)
for i=0,W4NumberOfFiles-1 do w4files(i)=zsort(asort(i))

print
print, "Workdirectory is " + filesubdirectory
print, "Selected file is " + filename
print, 'Selected series is "' + filetypecharacter + '"'
print, 'Number of found files is: ', WmNumberOfFiles, ' and ', W4NumberOfFiles
print, wmfiles
print, w4files
print

print
print, 'Reading data files'
print
w4array=fltarr(1024,8,W4NumberOfFiles)
wmarray=fltarr(1024,8,WmNumberOfFiles)

for j=0,W4NumberOfFiles-1 do begin
        print, 'W4 File ', W4NumberOfFiles - j
        filename=w4files(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
                w4array(*,i,j)=datarecord.dm(i).data
        endfor
endfor

for j=0,WmNumberOfFiles-1 do begin
        print, 'WM File ', WmNumberOfFiles - j
        filename=wmfiles(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
                wmarray(*,i,j)=datarecord.dm(i).data
        endfor
endfor


END
```


Picture Manager
picture IICAOPT.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Wed Sep 2 10:14:00 1998
System Control
Help
envisatTopPic
IICAOPT
Stimuli
Config. 2
Lambda 240 nm
PPC 15.0
Polar 128.5 deg
Shutter close
Acq. 1
S/S start
ATC ACTIVE
Nadir -16.2 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
-5.23 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 235.20 235.48 241.36 241.43 240.53 231.77 211.27 211.65
Block temp 206.50 205.99 223.87 222.45 221.02 201.86 150.09 146.84
DME temp 259.14 259.00 259.46 259.20 259.40 259.85 259.28 259.97
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 169
OBT 0x00cae214
Moni. TRUE
Anom 0
Start
WS_FT...
Microsof...
Exceed
xterm
Explorin...
Inbox - ...
Microsof...
Pictur...
Checkout S...
TRDB
TRDB
Microsof...
10:16

STEP	ACTION	RESULT	MARKER
Intro	Your name:	BART BAKKEREN	
	Date:	2/9/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	SCIA_02091998_101220041.dat _104809197.dat _112345173.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?	*	Note: In window DATA-DIR (B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory?	~~2~~ 1	(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	zeta-nadir-ir. 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	SCIA_02091998_101220041.EGSE_LTF	(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:	145998	should be approx 150Kb
	S-pol file: ls -l *ws*.avg.cal size:	145998	should be approx 150Kb
	P-pol file:		

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

size: 145.998 — 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`~~ do_2ETA — 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`: _____

2/9

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	3									

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

STEP 15-5

ZETA - NADIR - IR

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								

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	120.5	close	1	240	240	0	4	DU1	12
2.1	2	15	128.5	open	1	240	240	0	4	WUd#	20
2.2	2	15	42.3	open	1	240	240	0	4	WMd#	20
3.1	2	5	128.5	open	1	240	240	0	4	WUb#	20
3.2	2	5	42.3	open	1	240	240	0	4	WMb#	20
4	2	5	42.3	close	1	240	240	0	4	DU2	8

Measurement Data Description

Test Purpose	UID 50
Remark	
Data Directory	0245_10.09.02_ETA_1A

Signatures

	Date	Signature
Issued	2-9-98	W. Lyck
< Performed		

```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b4.av
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: Wed Sep  2 16:47:38 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg.
```

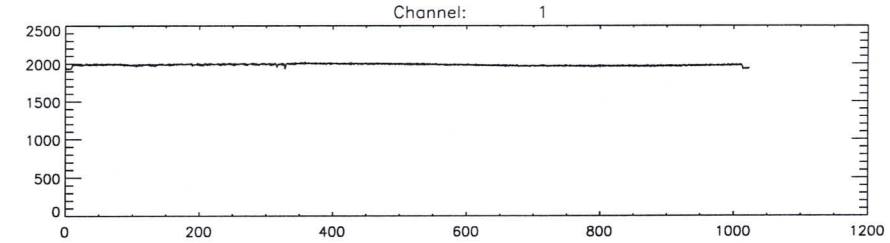
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d4.av
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: Wed Sep  2 16:48:06 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg.
```

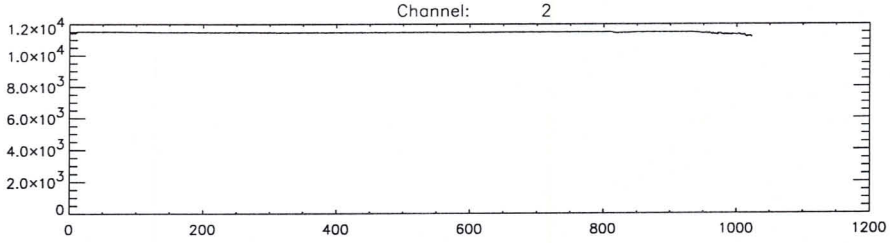
```
time       = Wed Sep  2 14:59:03 1998
batch      = wmb3
Start TOD = Wed 02-Sep-98 11:25:05
End   TOD = Wed 02-Sep-98 11:29:20
Processing= computation of average, standard dev. and rel.standard dev.
```

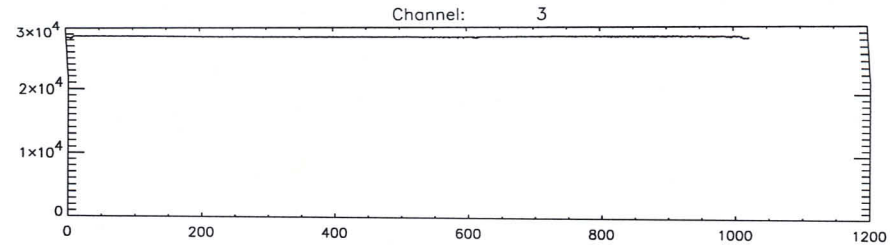
```
time       = Wed Sep  2 14:53:57 1998
batch      = du1
Start TOD = Wed 02-Sep-98 10:12:20
End   TOD = Wed 02-Sep-98 10:29:38
Processing= computation of average, standard dev. and rel.standard dev.
```

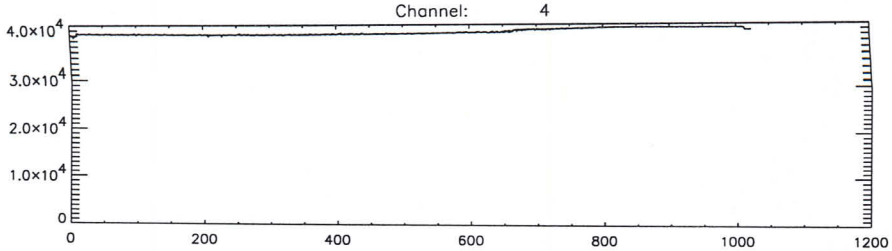
```
time       = Wed Sep  2 15:01:07 1998
batch      = du2
Start TOD  = Wed 02-Sep-98 11:37:41
End   TOD  = Wed 02-Sep-98 11:53:53
Processing= computation of average, standard dev. and rel.standard dev.
```

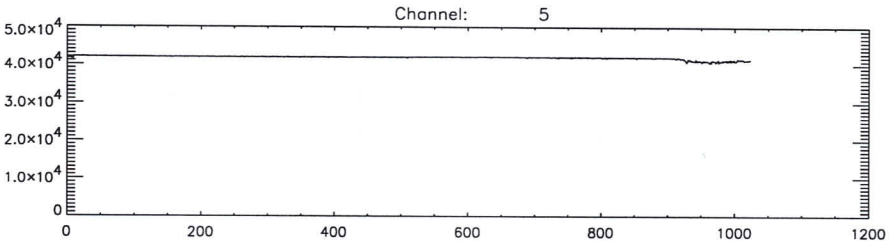
```
time       = Wed Sep   2 14:56:52 1998
batch      = wmd4
Start TOD = Wed 02-Sep-98 10:59:28
End   TOD = Wed 02-Sep-98 11:03:44
Processing= computation of average, standard dev. and rel.standard dev.
```

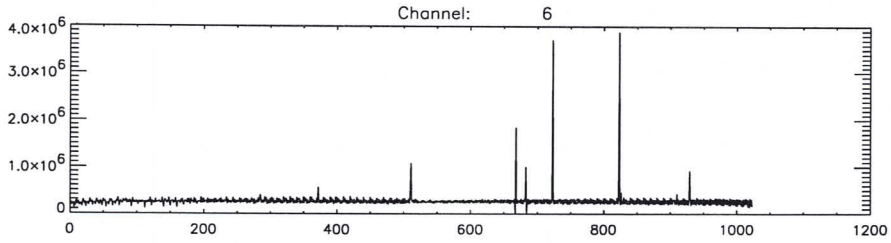

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

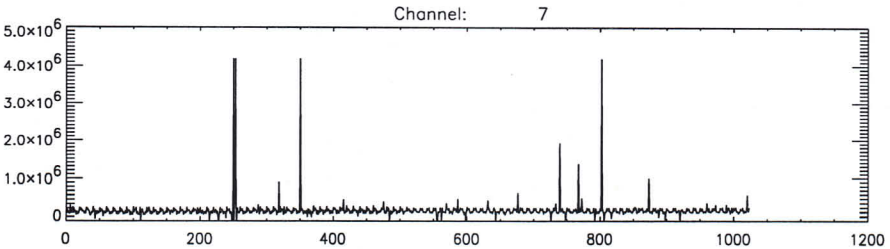

Channel: 2
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200

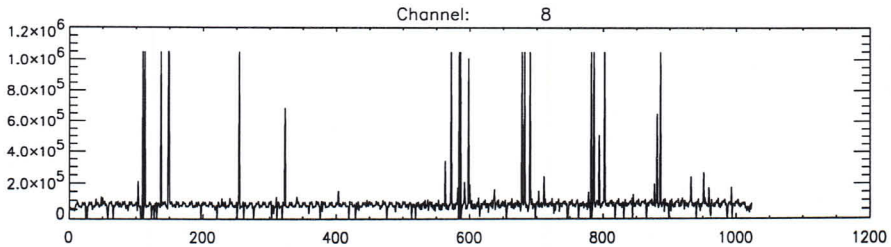

Channel: 3
3×10^4
2×10^4
1×10^4
0
0
200
400
600
800
1000
1200

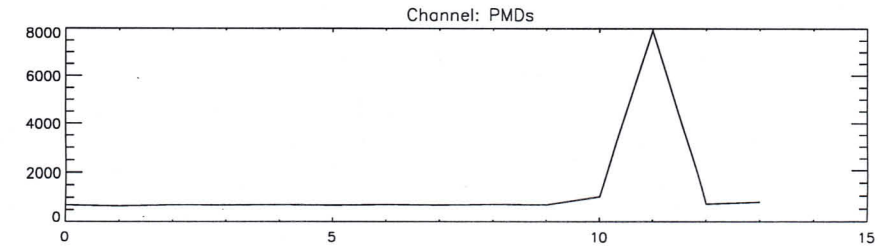

Channel: 4
4.0×10^4
3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
1000
1200

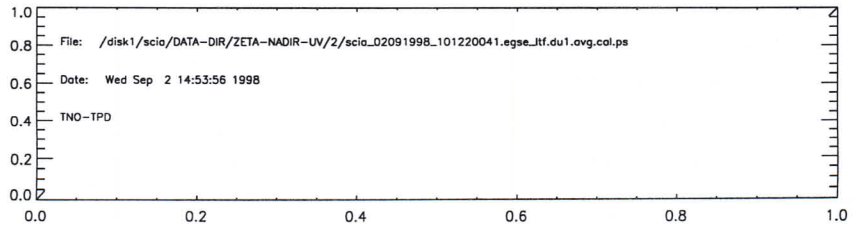

Channel: 5
5.0×10^4
4.0×10^4
3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
1000
1200

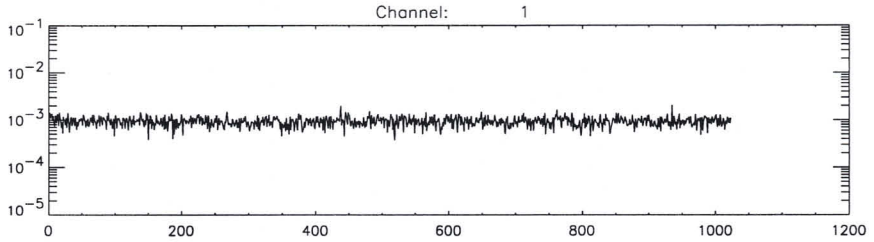

Channel: 6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

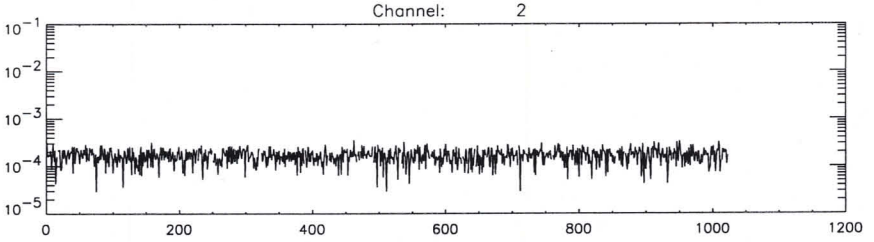

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

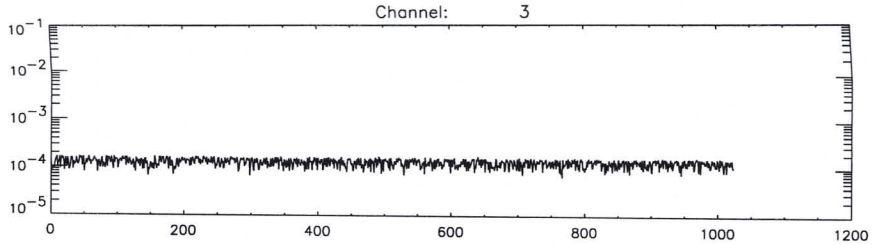

Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
200
400
600
800
1000
1200

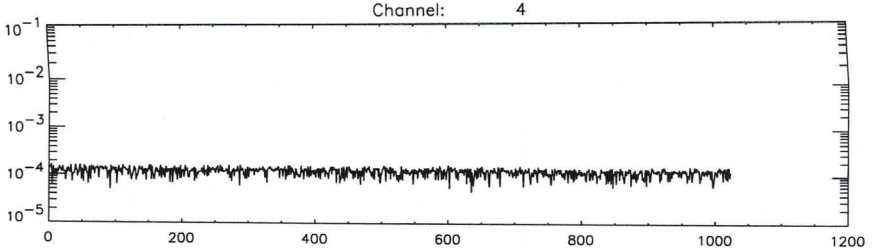

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

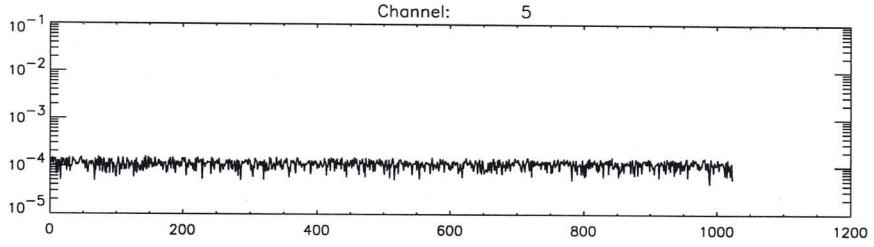

File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.du1.avg.cal.ps
Date: Wed Sep 2 14:53:56 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

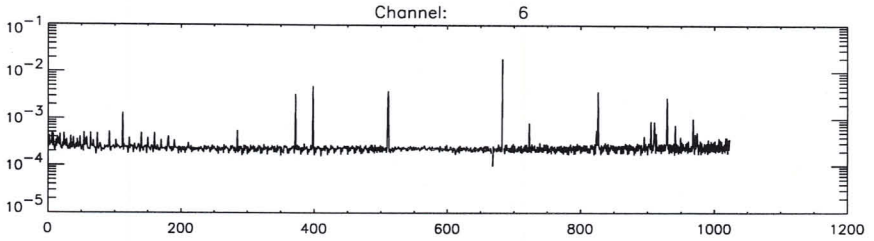

Channel: 1

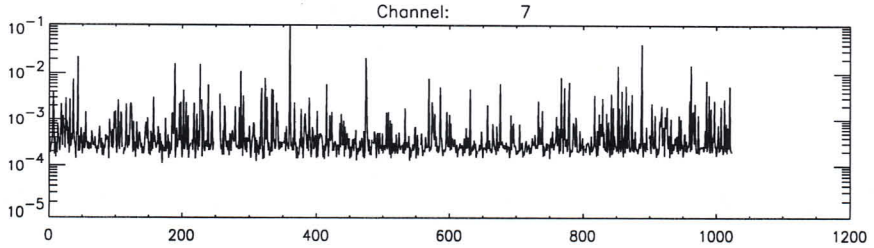

Channel: 2

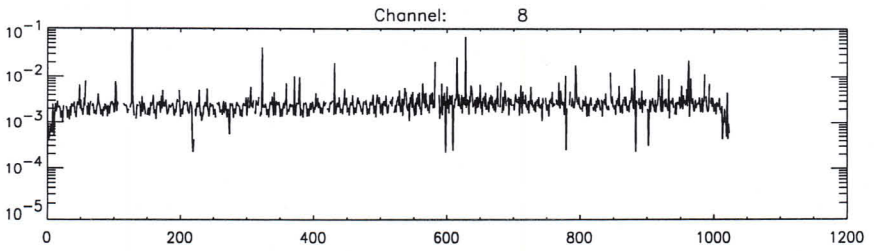

Channel: 3

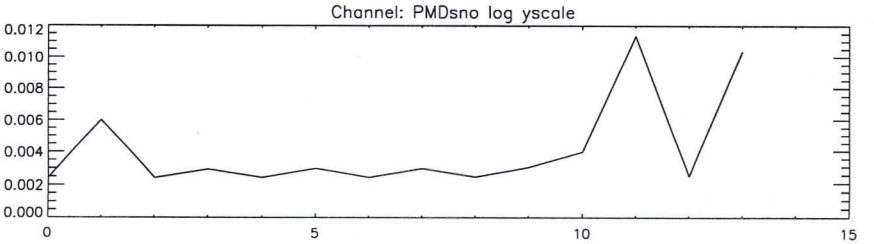

Channel: 4

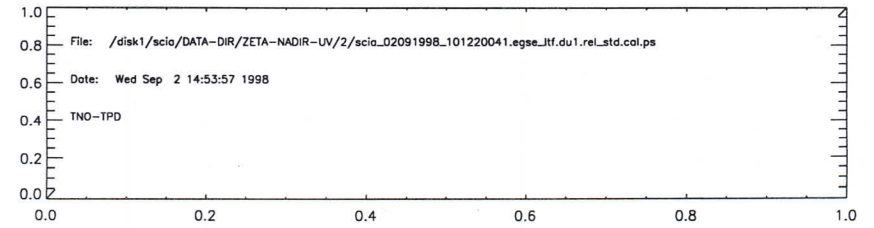

Channel: 5

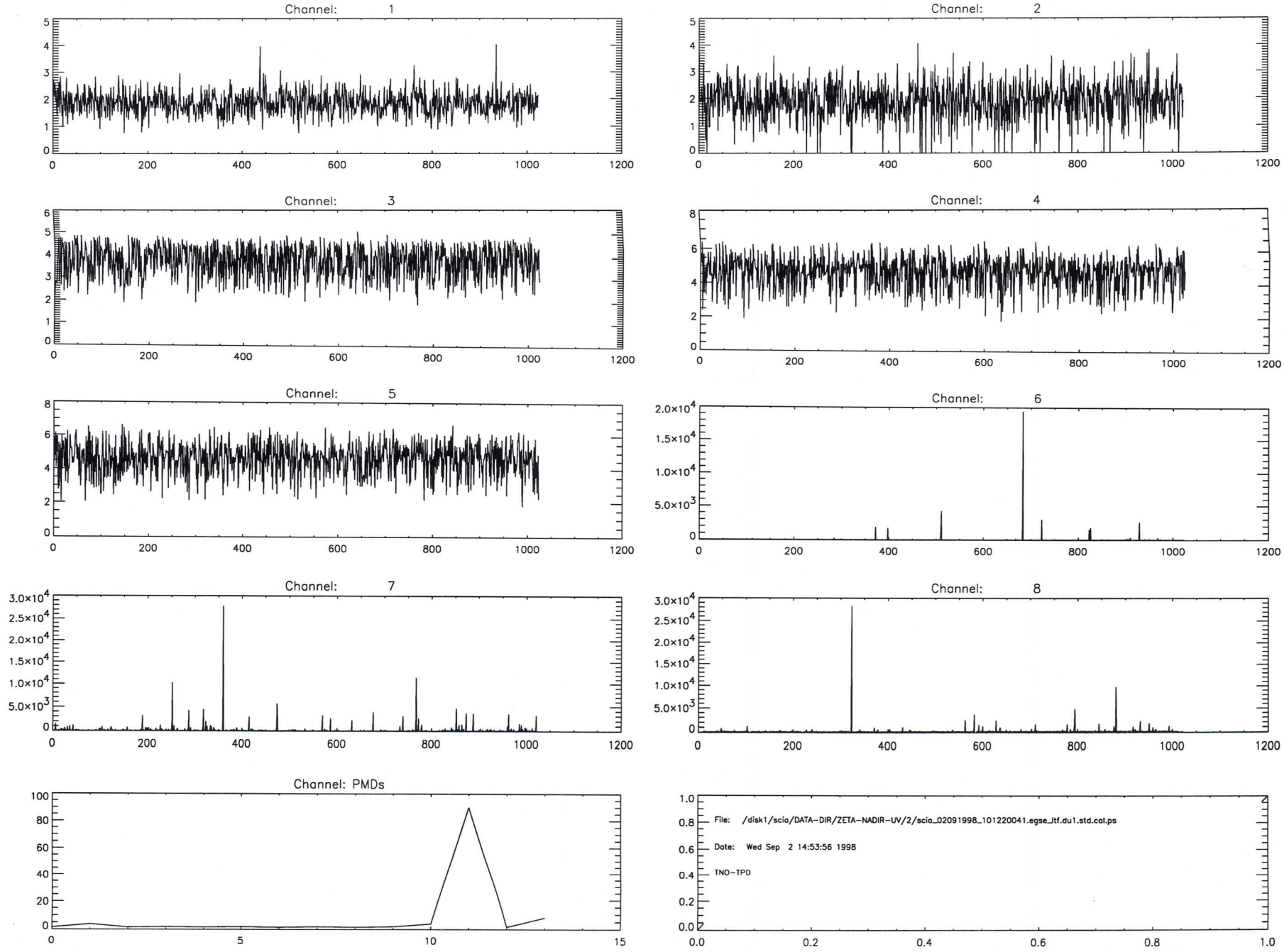

Channel: 6

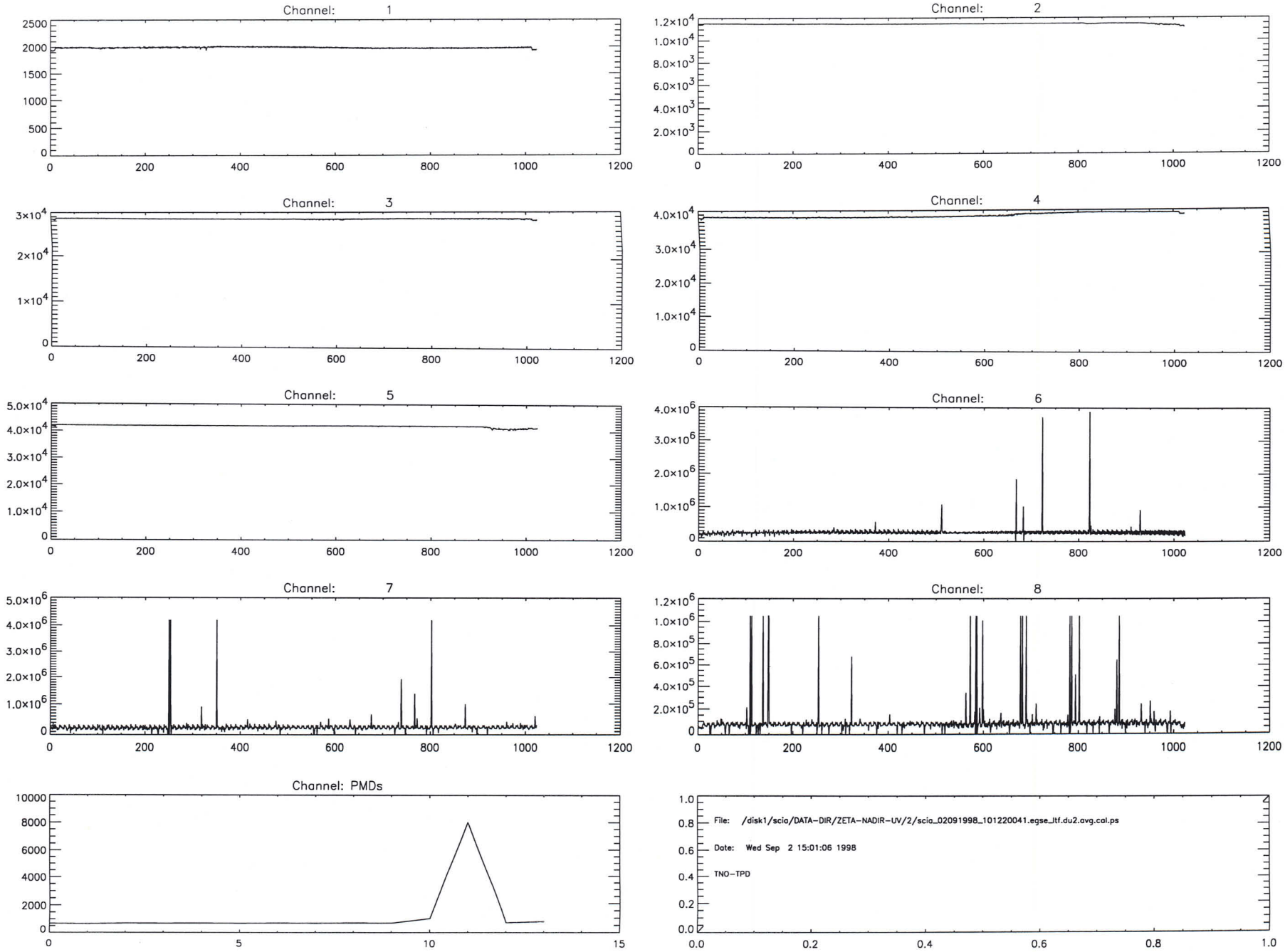

Channel: 7

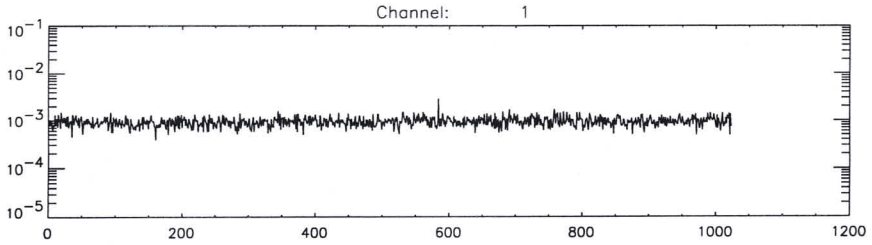

Channel: 8

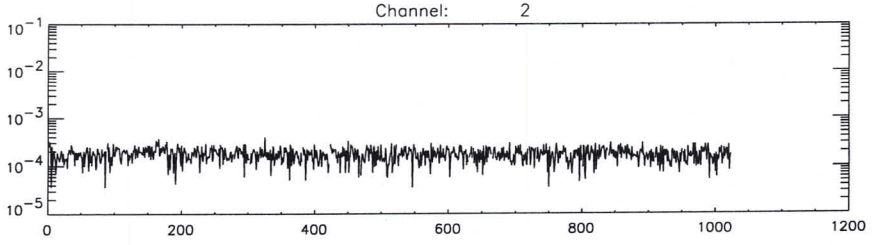

Channel: PMDsno log yscale

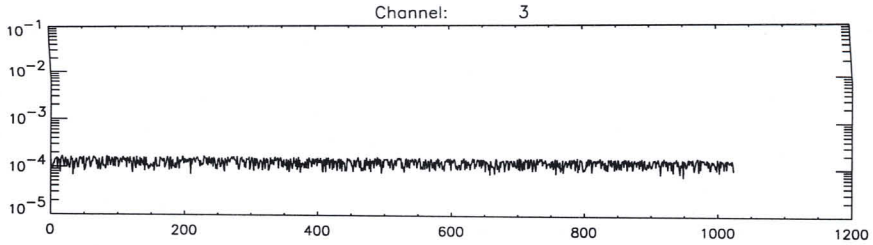

File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_itf.du1.rel_std.cal.ps
Date: Wed Sep 2 14:53:57 1998
TNO-TPD

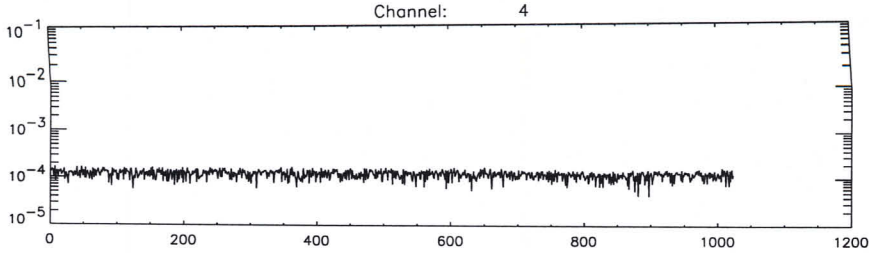

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.du1.std.col.ps
Date: Wed Sep 2 14:53:56 1998
TNO-TPD

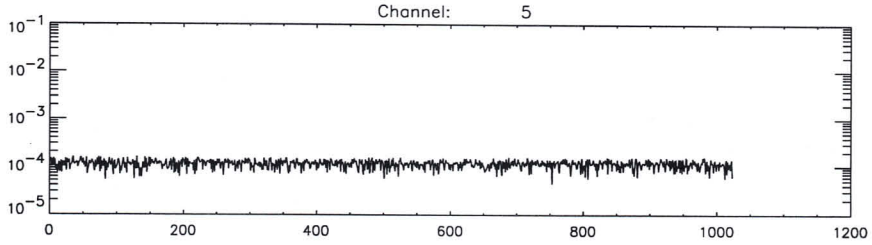

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_itf.du2.avg.cal.ps
Date: Wed Sep 2 15:01:06 1998
TNO-TPD

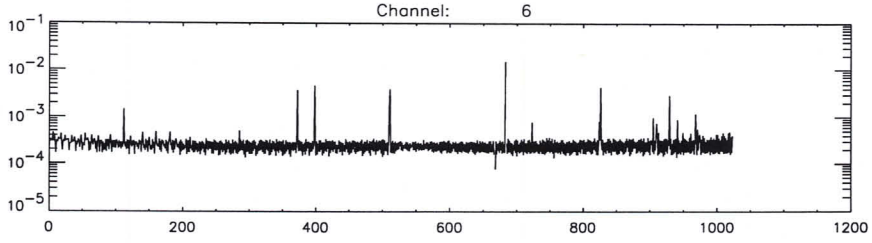

Channel: 1

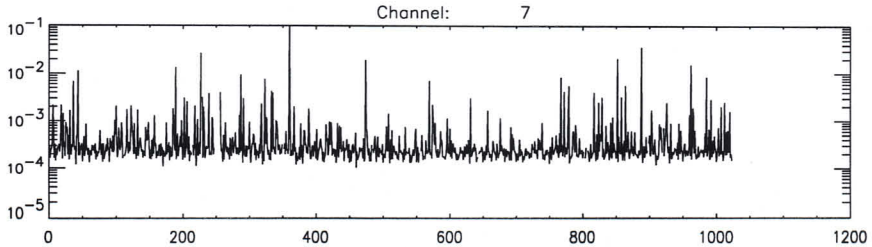

Channel: 2

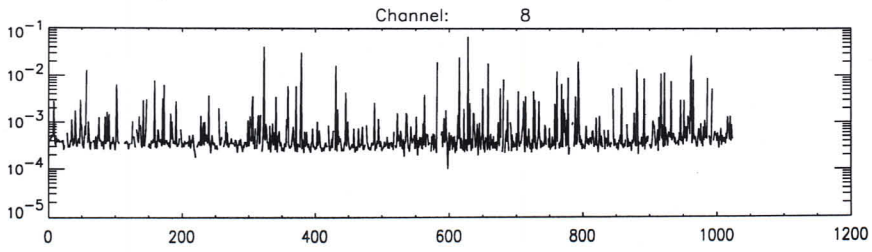

Channel: 3


Channel: 4


Channel: 5


Channel: 6


Channel: 7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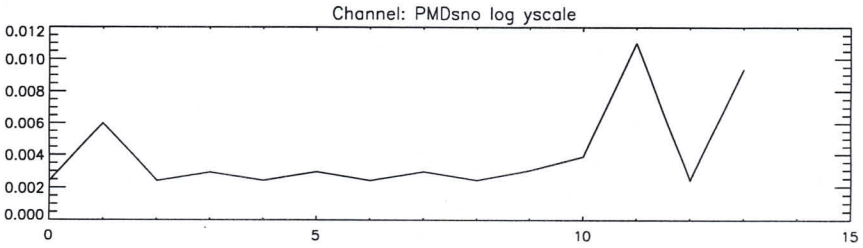
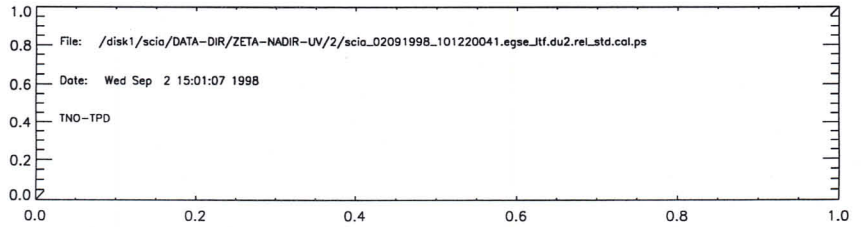
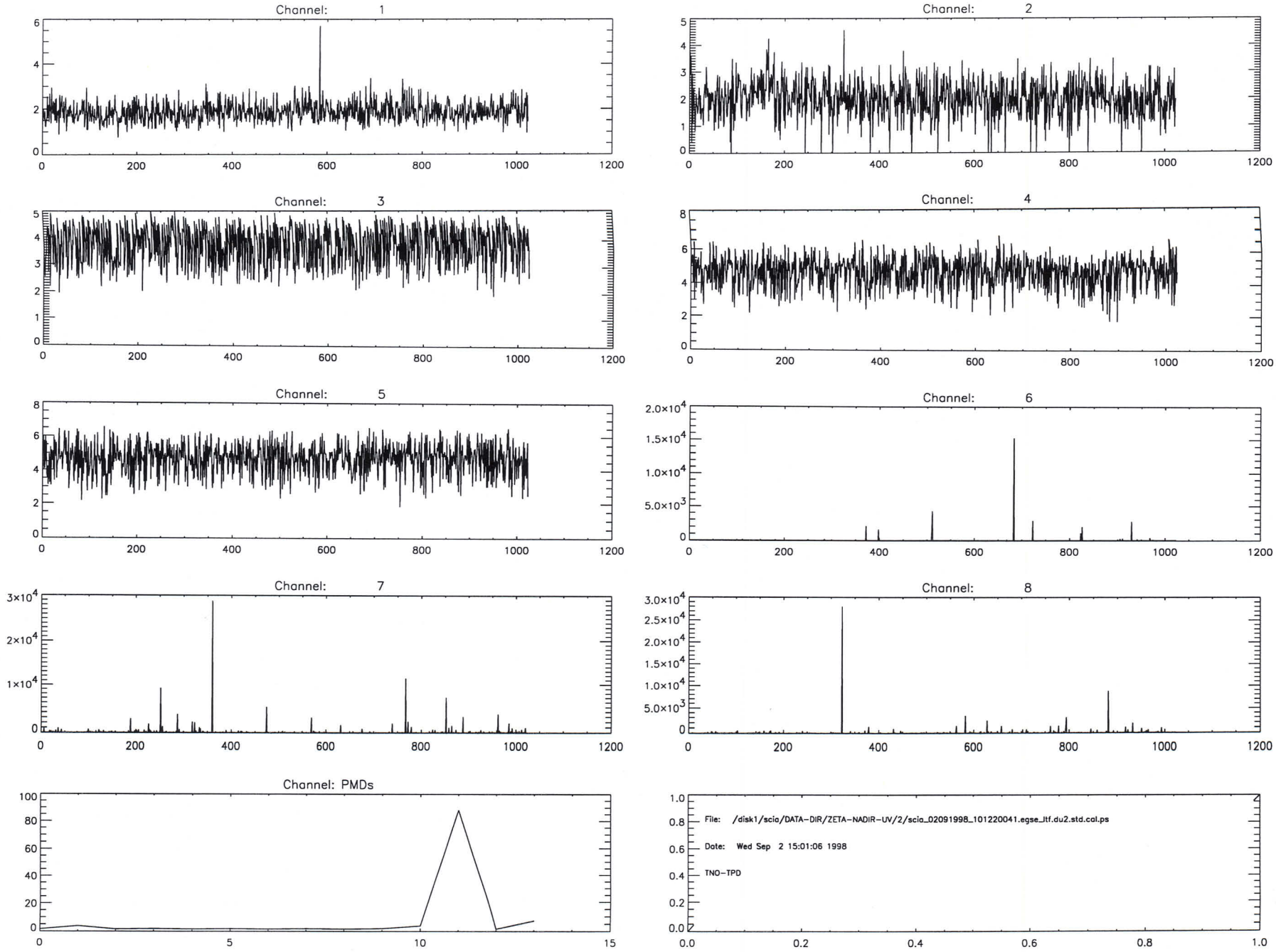

Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.du2.rel_std.cal.ps
Date: Wed Sep 2 15:01:07 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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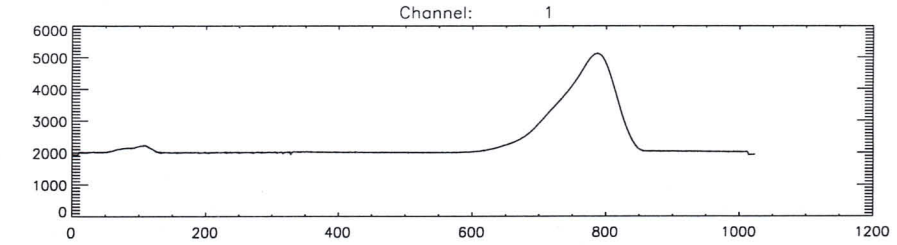
Date: Wed Sep 2 15:01:06 1998
TNO-TPD


Channel: 1
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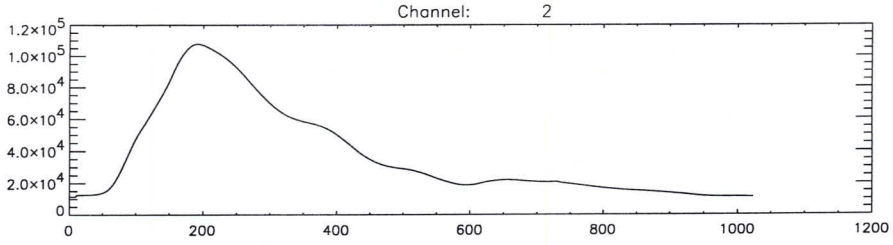
5000
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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
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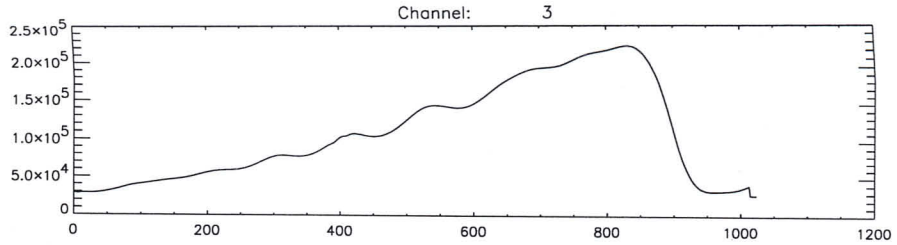
400
600
800
1000
1200


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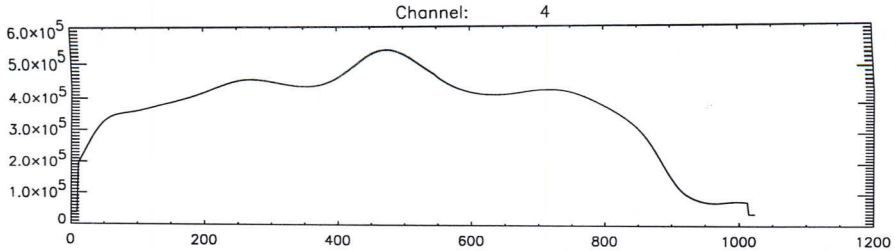
600
800
1000
1200


Channel: 4
6.0×10^5
5.0×10^5
4.0×10^5
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2.0×10^5
1.0×10^5
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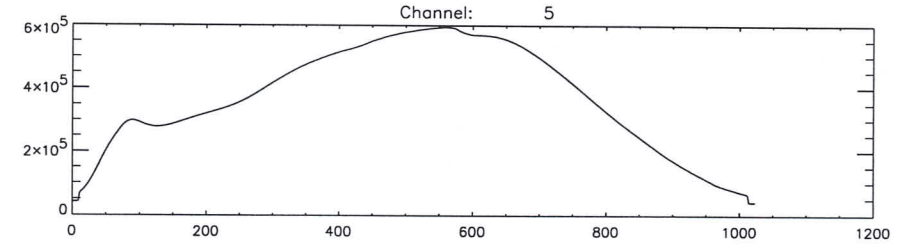
600
800
1000
1200


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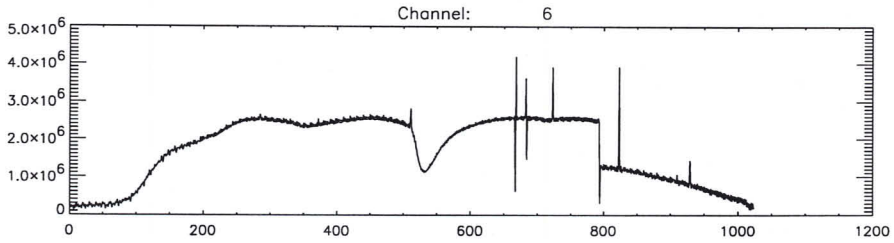
400
600
800
1000
1200


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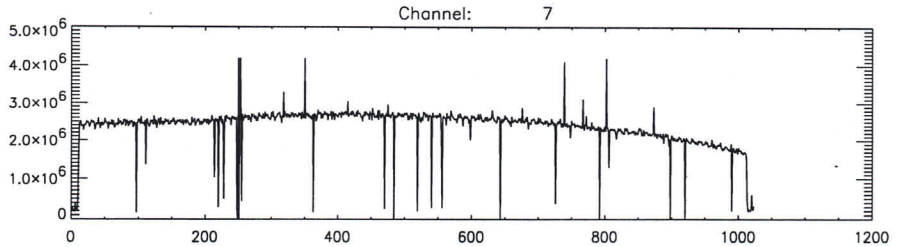
600
800
1000
1200


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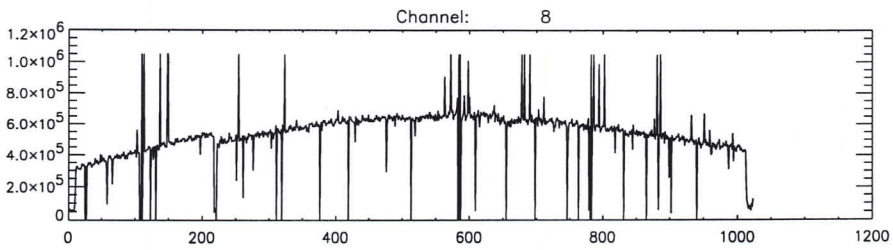
600
800
1000
1200


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
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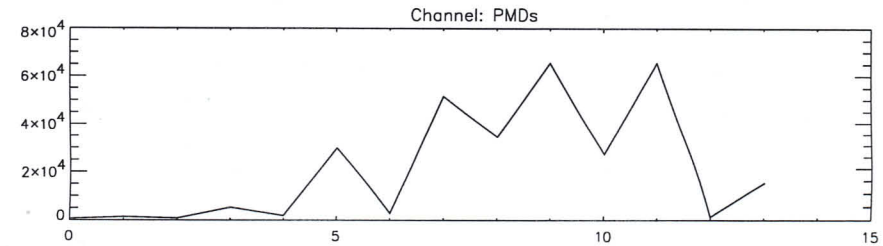
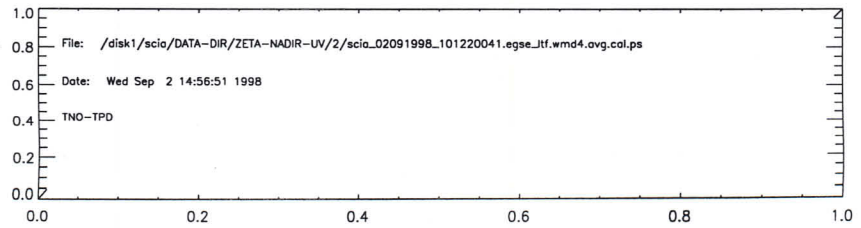
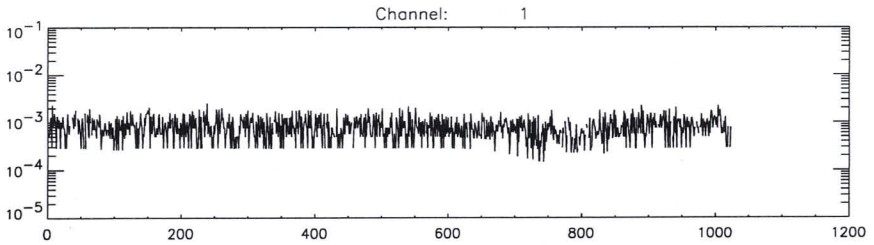
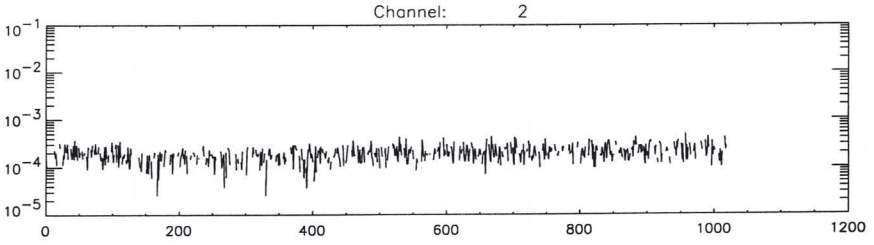
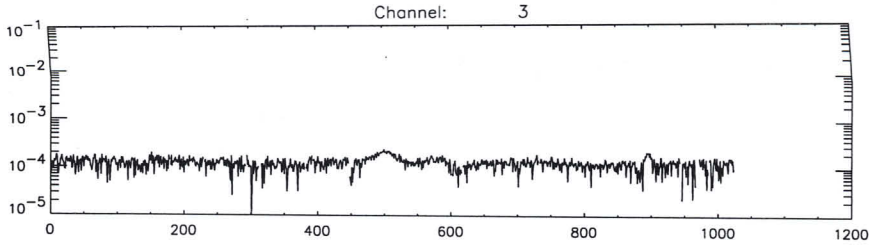
600
800
1000
1200

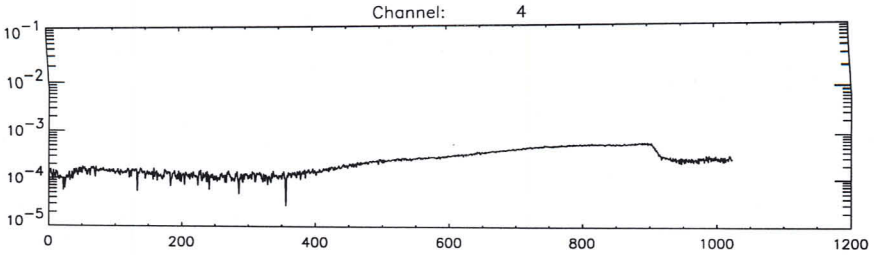

Channel: PMDs
8×10^4
6×10^4
4×10^4
2×10^4
0
0
5
10
15

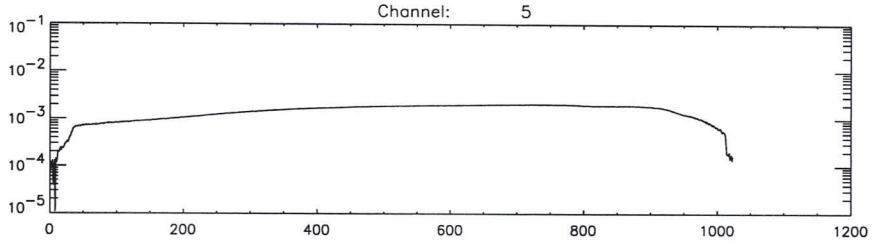

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_itf.wmd4.avg.cal.ps
Date: Wed Sep 2 14:56:51 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

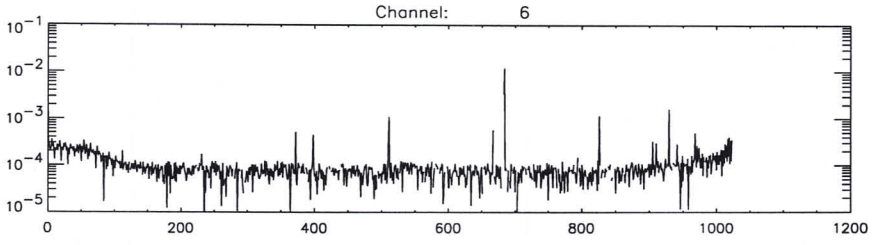

Channel: 1

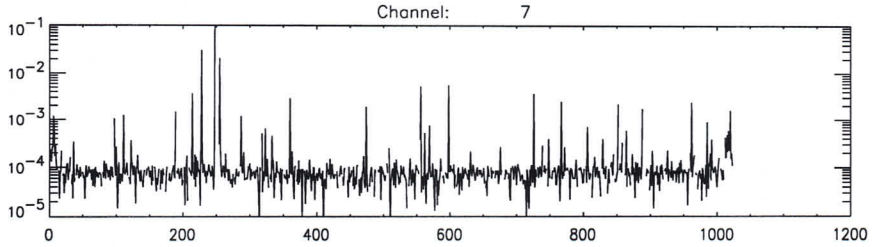

Channel: 2

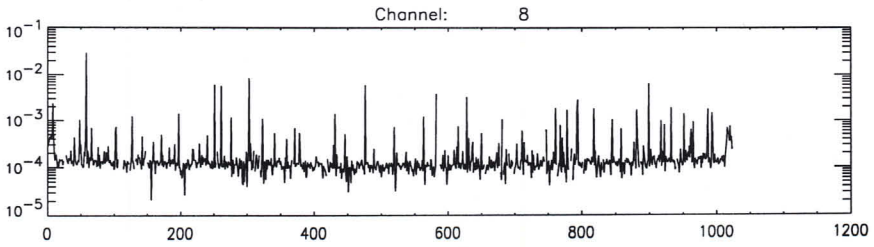

Channel: 3

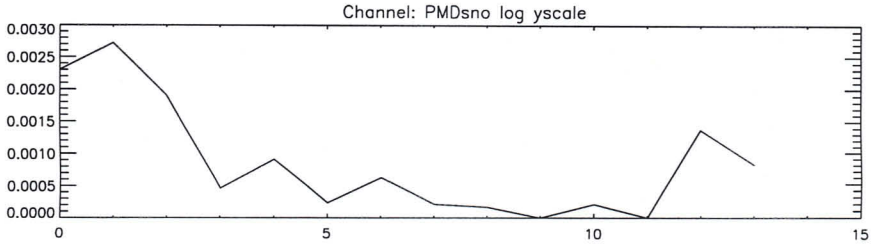

Channel: 4

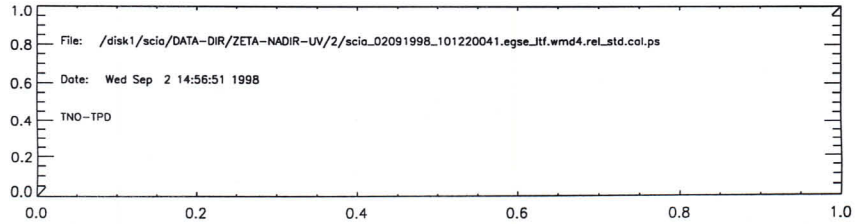

Channel: 5

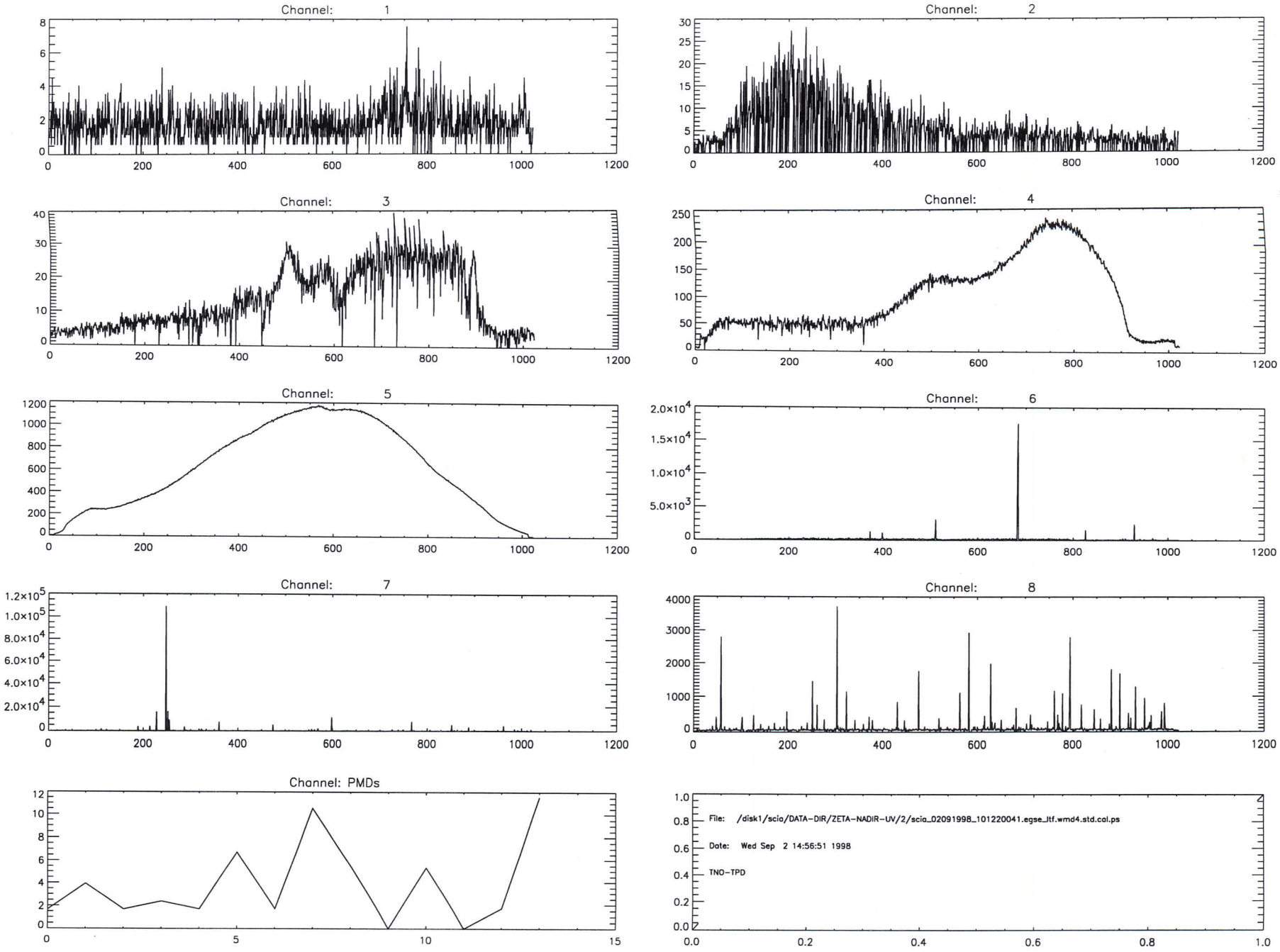

Channel: 6

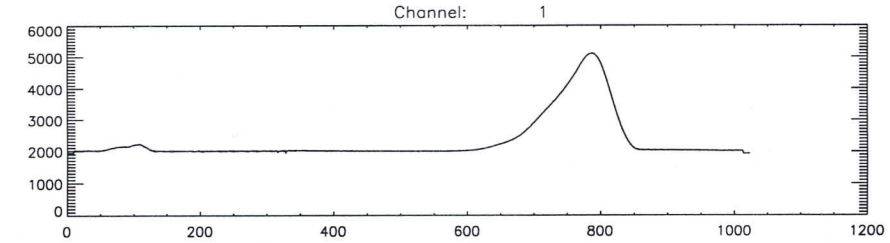

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_itf.wmd4.rel_std.col.ps
Date: Wed Sep 2 14:56:51 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/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.wmd4.std.cal.ps
Date: Wed Sep 2 14:56:51 1998
TNO-TPD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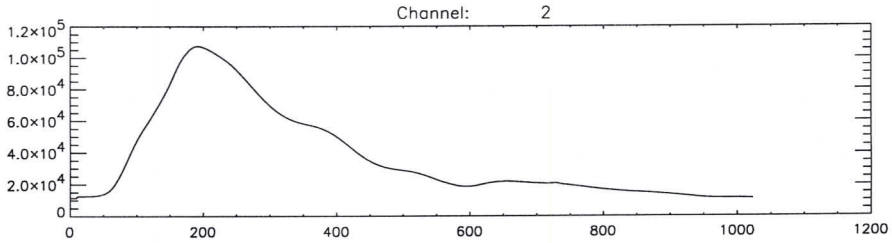
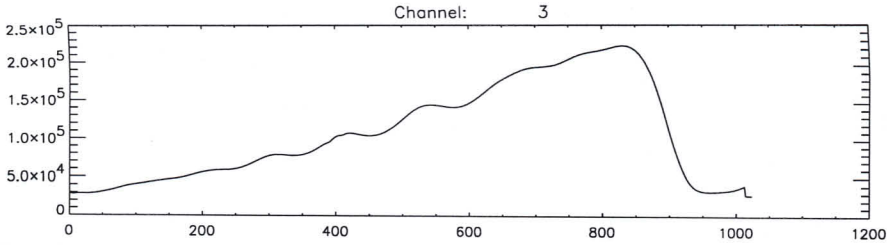
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 2
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
2.5×10^5
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1.5×10^5
1.0×10^5
5.0×10^4
0
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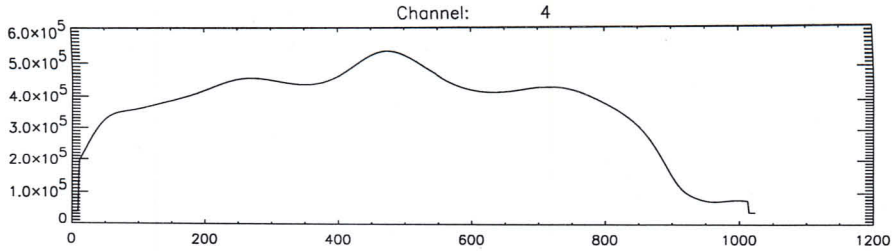
600
800
1000
1200


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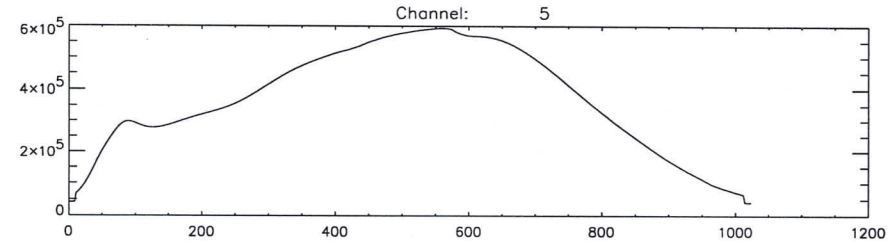
600
800
1000
1200


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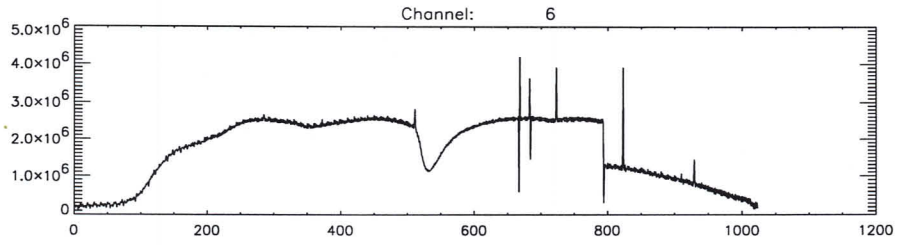
800
1000
1200


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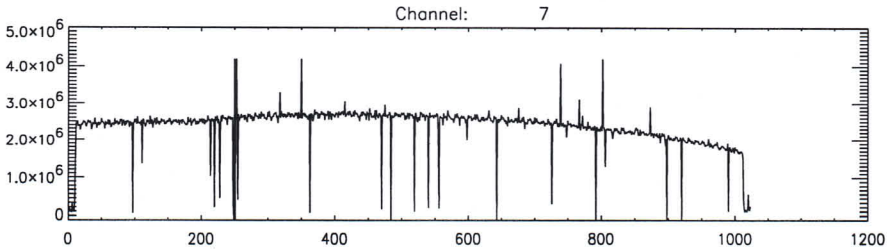
1000
1200


Channel: 7
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3.0×10^6
2.0×10^6
1.0×10^6
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1000
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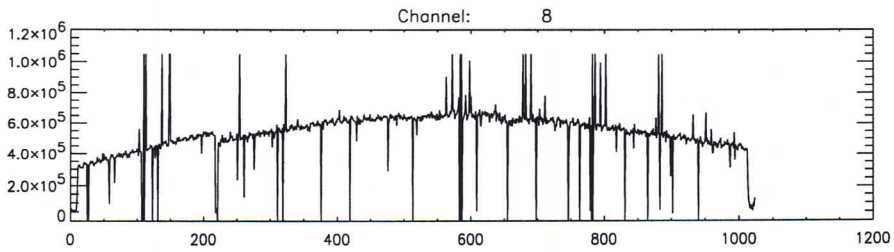
Channel: 8
1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
0
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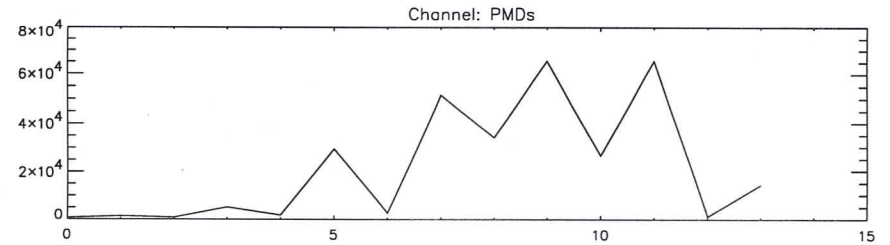
400
600
800
1000
1200


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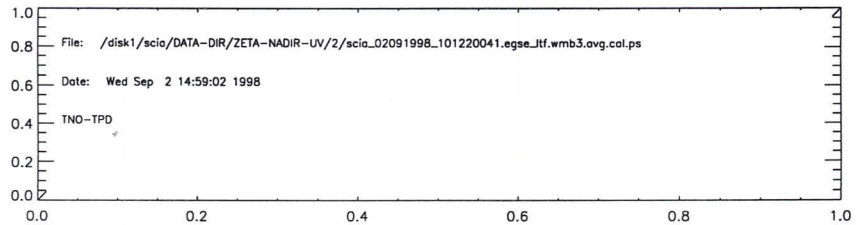
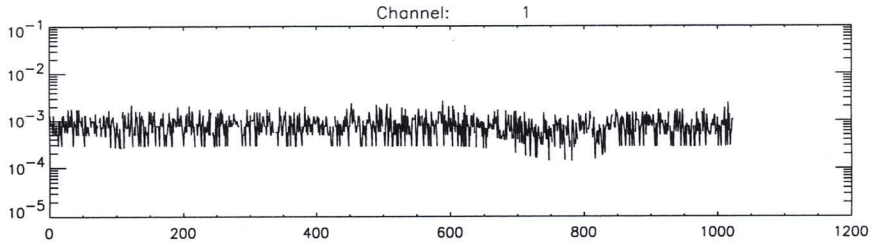
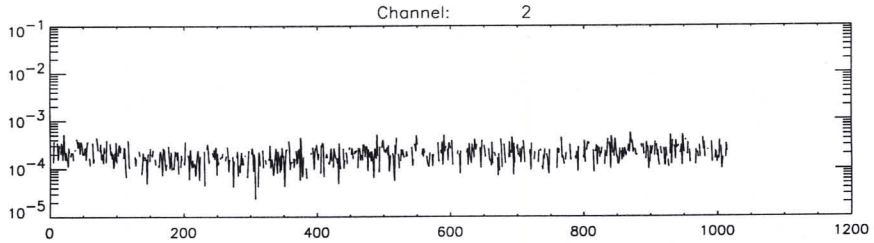
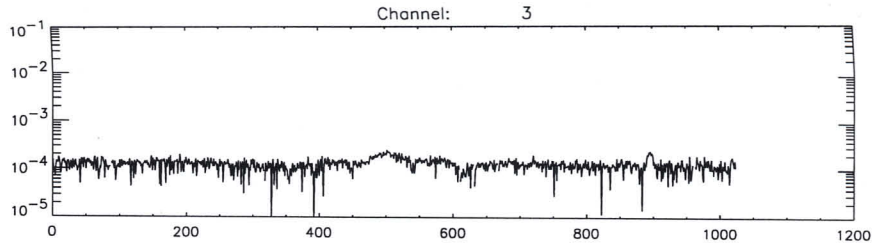
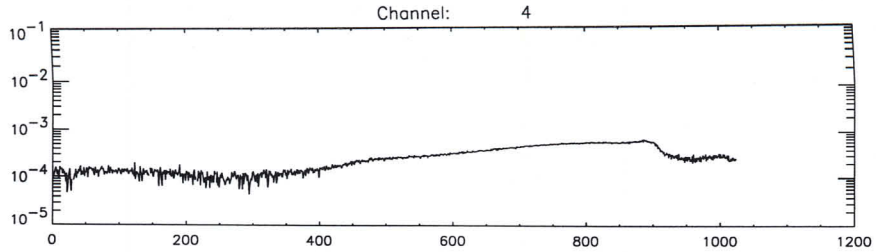
6×10^4
4×10^4
2×10^4
0
0
5
10
15

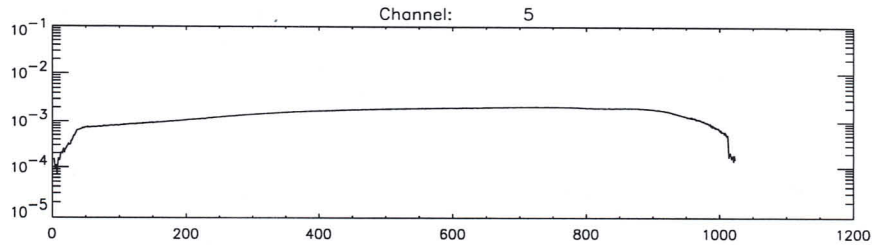

1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.wmb3.avg.cal.ps
Date: Wed Sep 2 14:59:02 1998
TNO-TPD

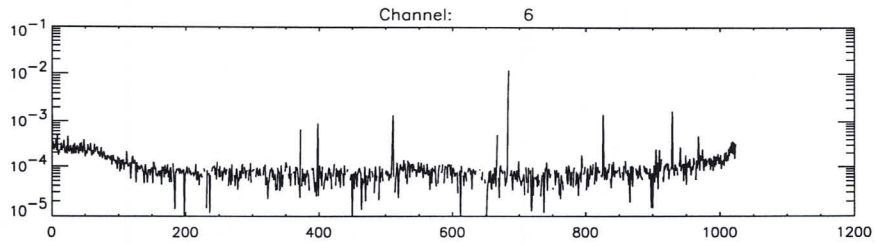

Channel: 1

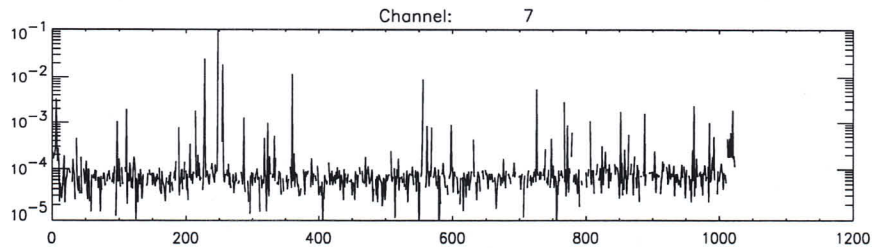

Channel: 2

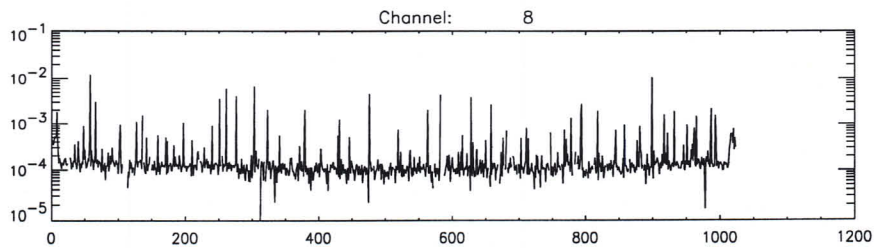

Channel: 3

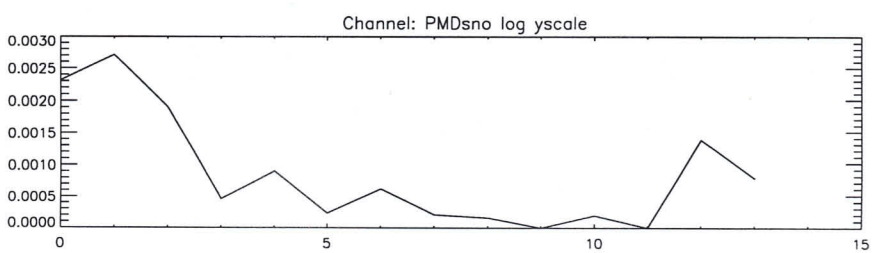

Channel: 4

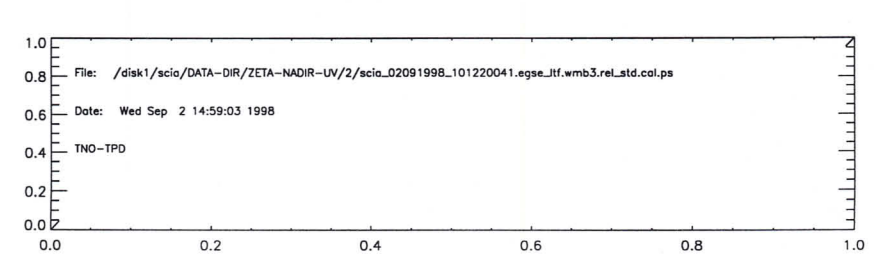

Channel: 5

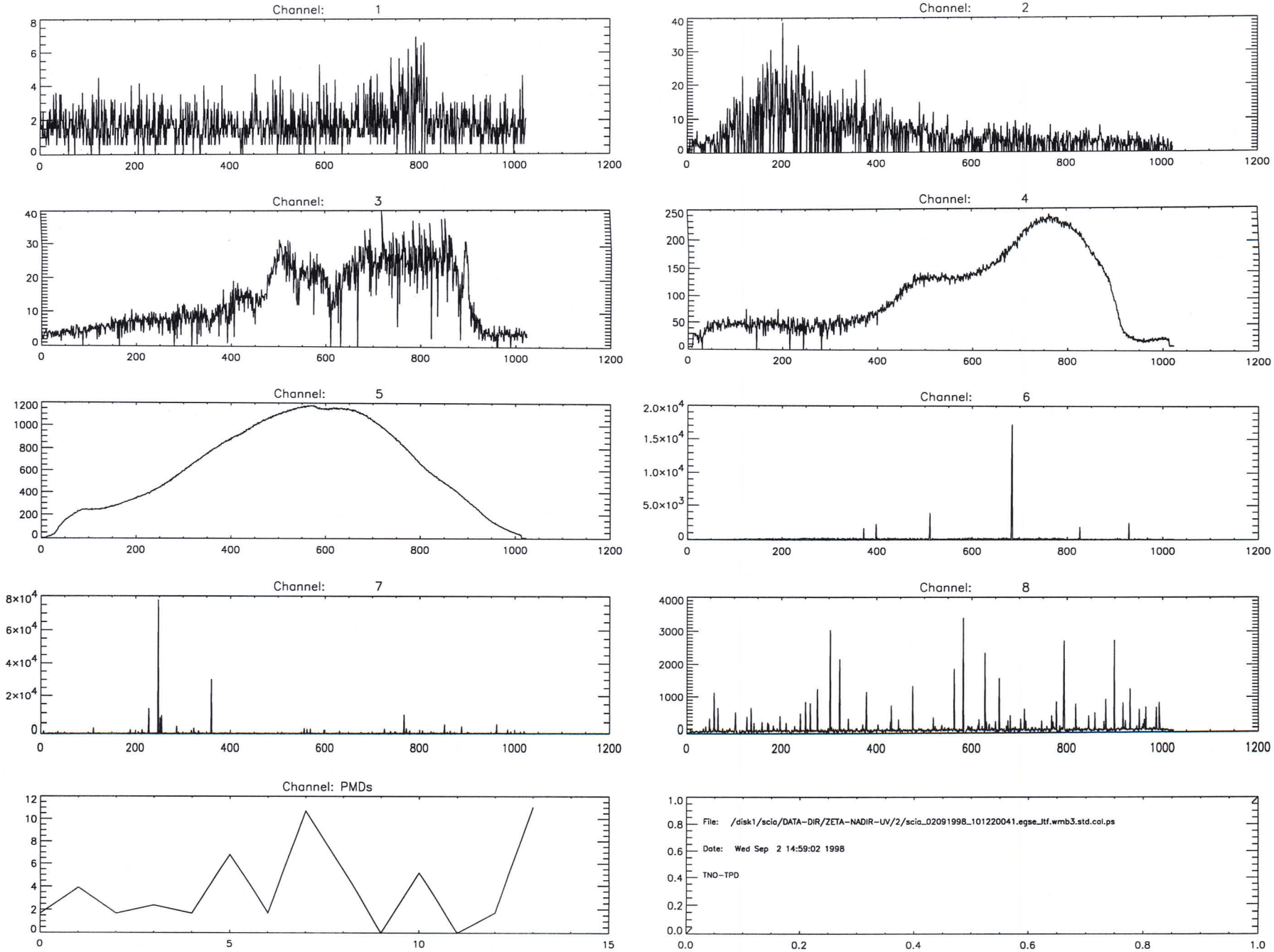

Channel: 6

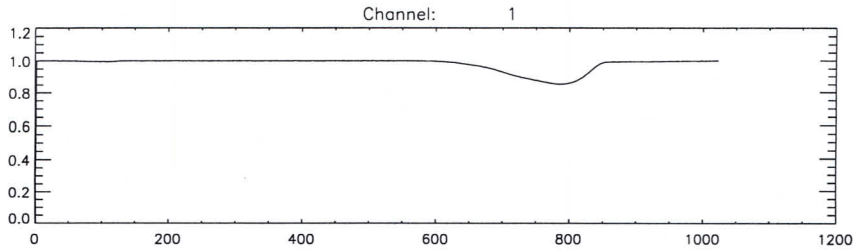

Channel: 7

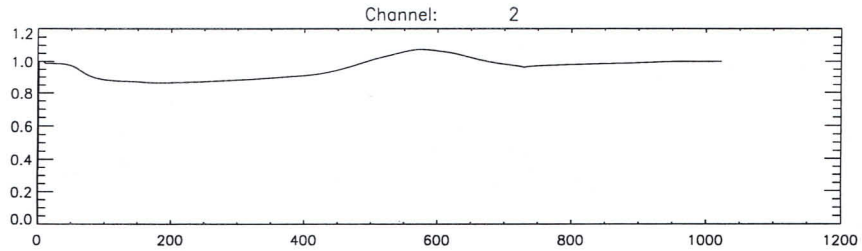

Channel: 8

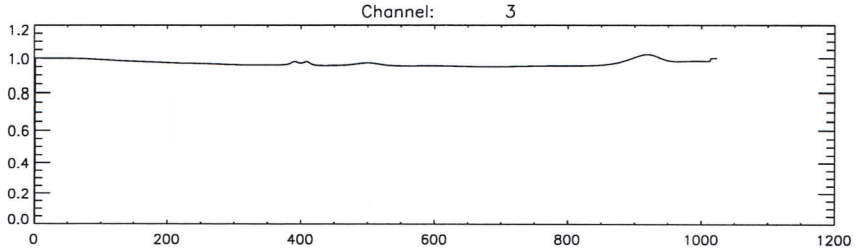

Channel: PMDsno log yscale

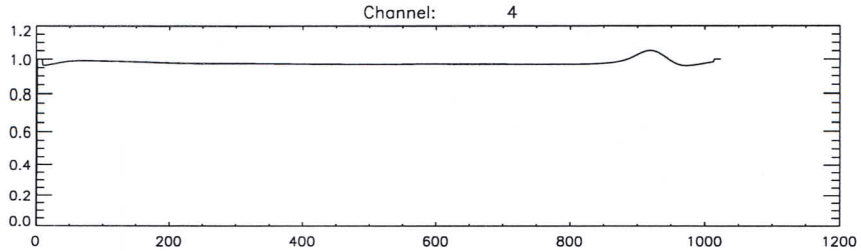

File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.wmb3.rel_std.cal.ps
Date: Wed Sep 2 14:59:03 1998
TNO-TPD

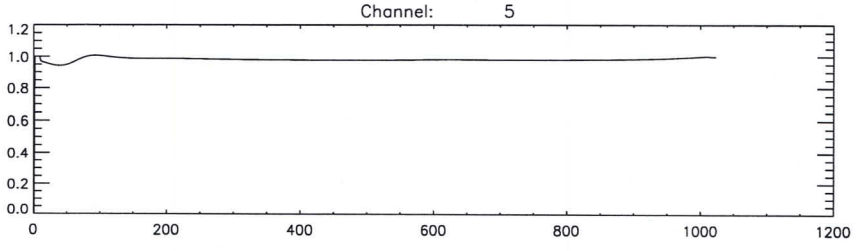

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/ZETA-NADIR-UV/2/scia_02091998_101220041.egse_ltf.wmb3.std.cal.ps
Date: Wed Sep 2 14:59:02 1998
TNO-TPD

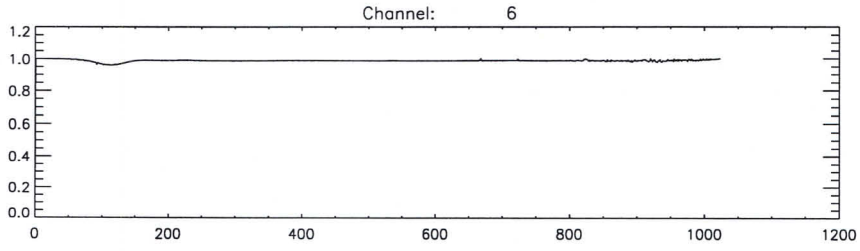

Channel: 1

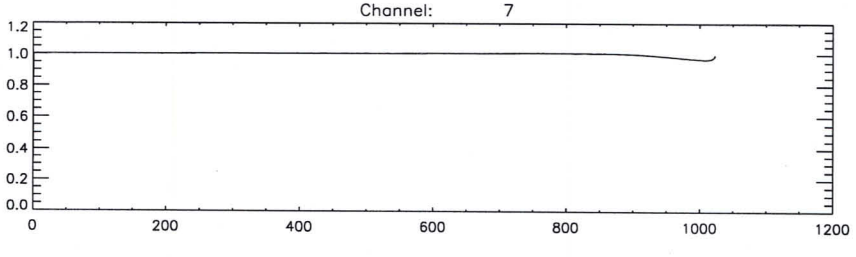

Channel: 2

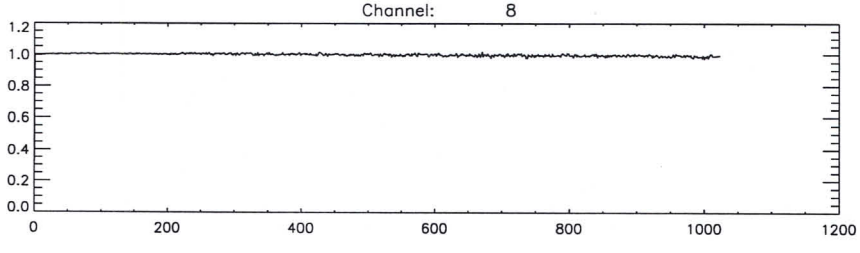

Channel: 3

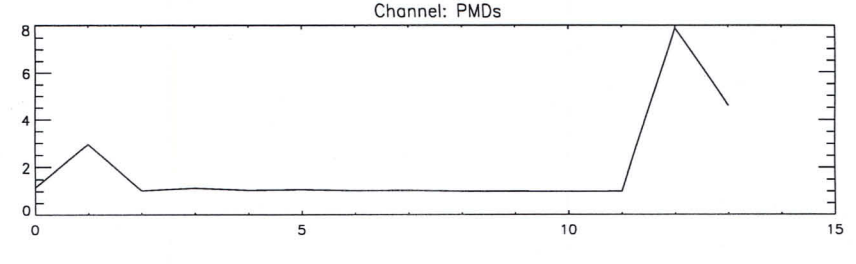

Channel: 4

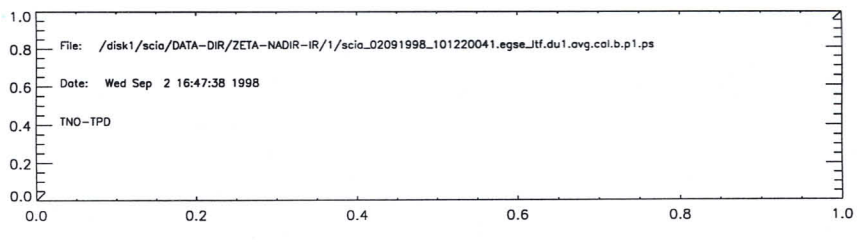

Channel: 5

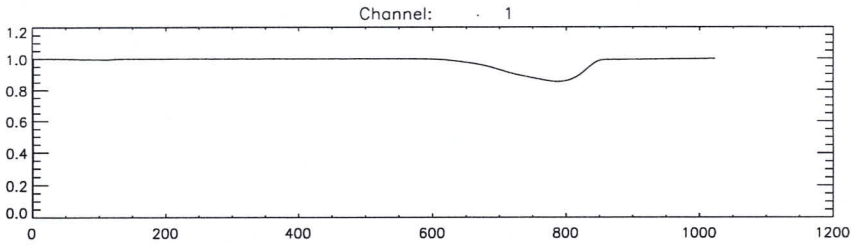

Channel: 6

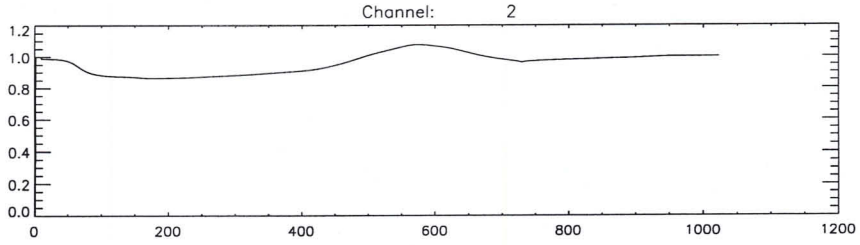

Channel: 7

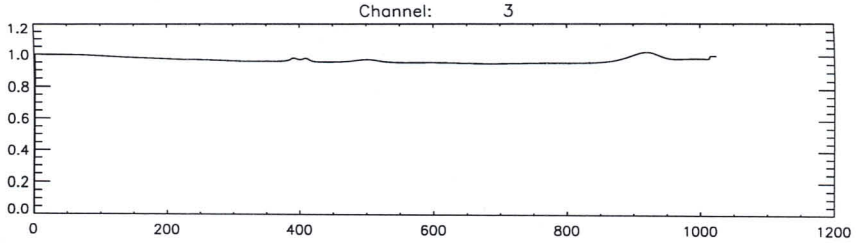

Channel: 8

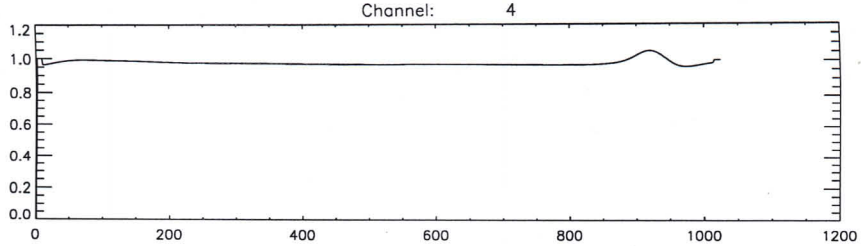

Channel: PMDs

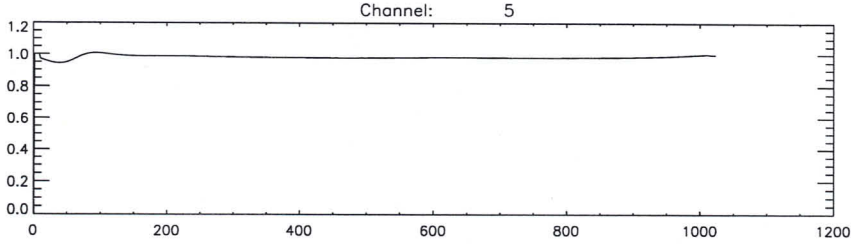

File: /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg.cal.b.p1.ps
Date: Wed Sep 2 16:47:38 1998
TNO-TPD

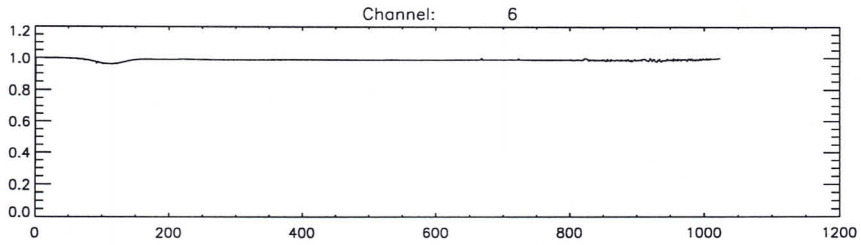

Channel: 1

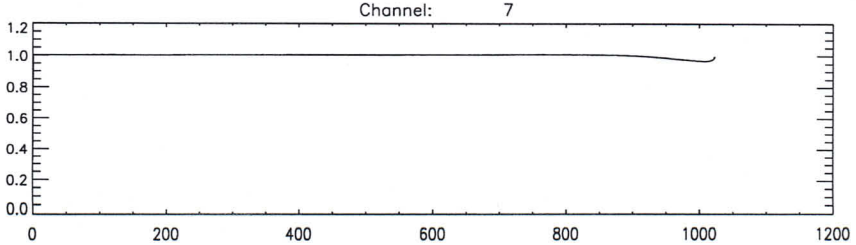

Channel: 2

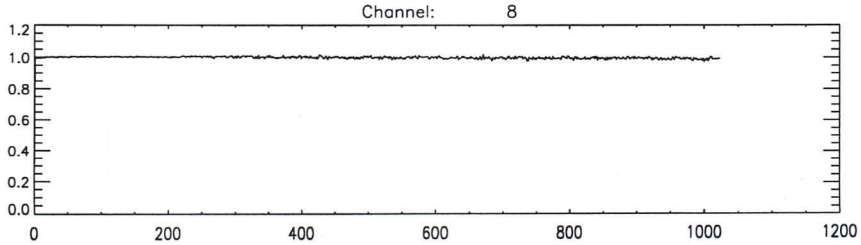

Channel: 3

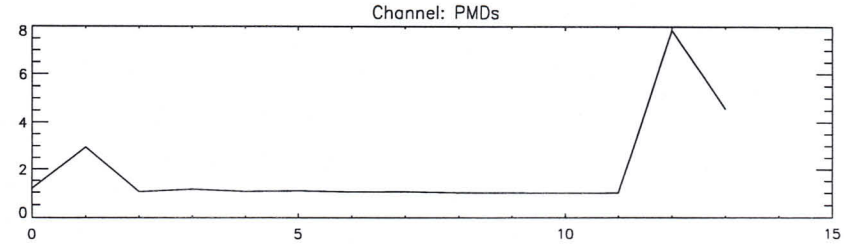

Channel: 4

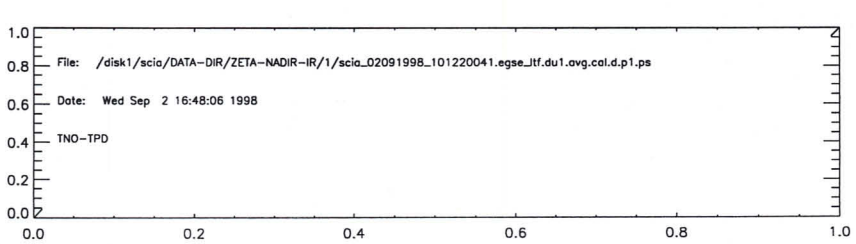

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_itf.du1.avg.cal.d.p1.ps
Date: Wed Sep 2 16:48:06 1998
TNO-TPD

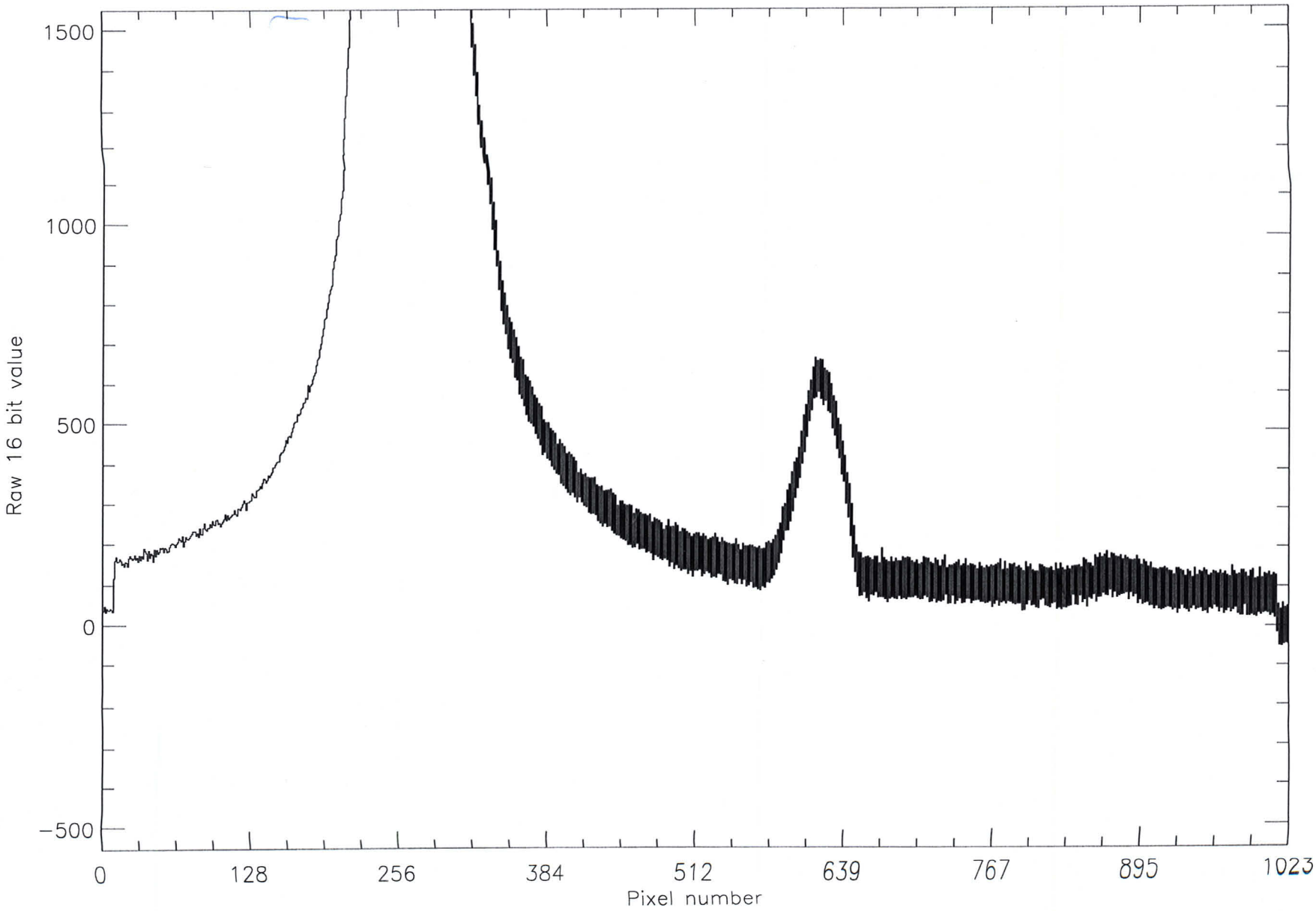
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmb4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4b4.av
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: Wed Sep  2 16:47:38 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg.
```

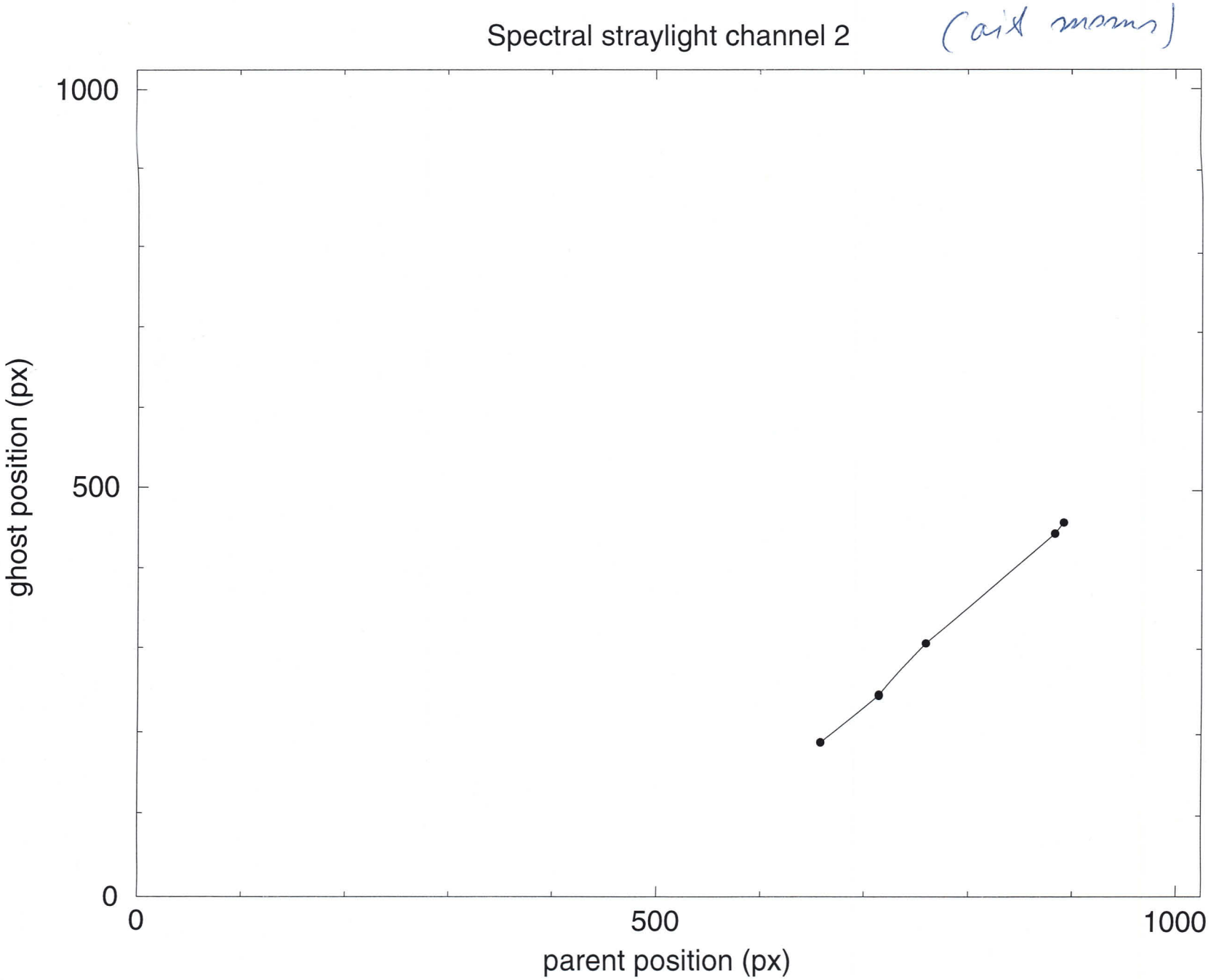
```
Version:  0.1
Input files:
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.wmd4.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d1.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d2.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d3.av
 /disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.w4d4.av
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: Wed Sep  2 16:48:06 1998
Output file name:
/disk1/scia/DATA-DIR/ZETA-NADIR-IR/1/scia_02091998_101220041.egse_ltf.du1.avg.
```

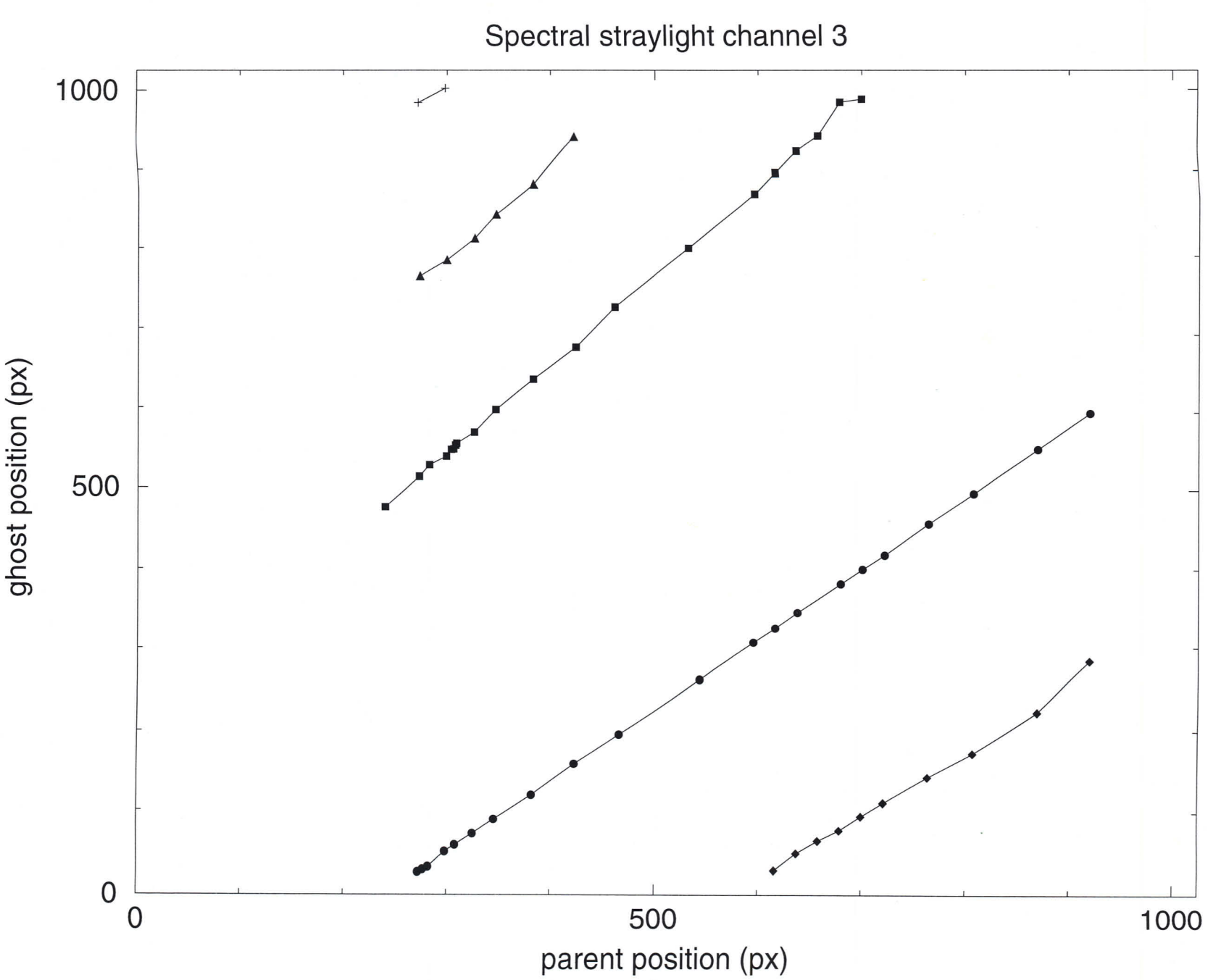
LOG SHEET SCHIAMACHY CALIBRATION

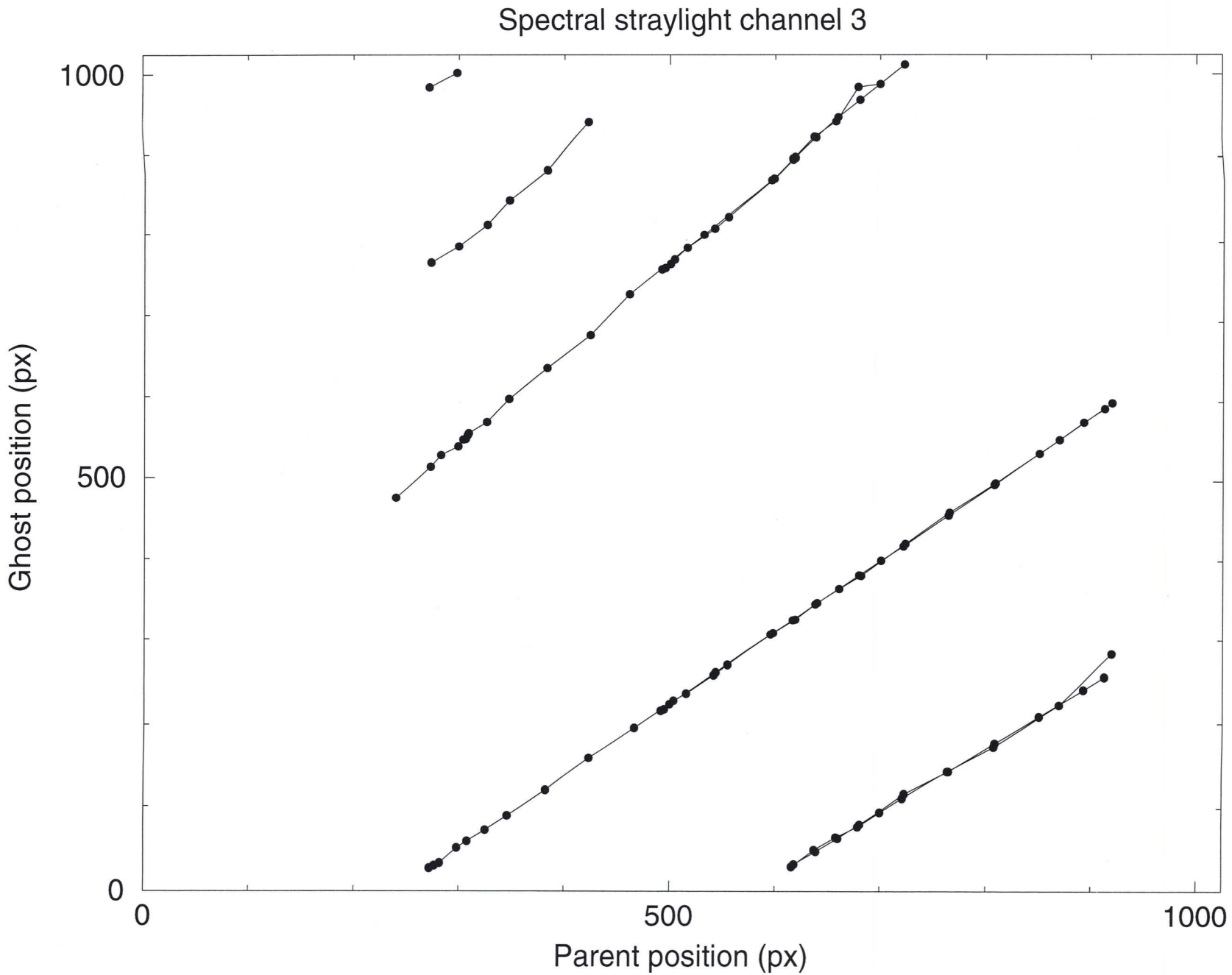
Date/Time	Description of action	Measurement directory
2-9-98	checked GT alignment/orientation with Brewster: s +11.469 +171.57 p −78.531 +85.36 4 +56.469 +128.46 m −33.531 +42.26 ↑ GT ↑ Brewster test-run stray-UV-VIS unexpectedly high noise in some records, low wl. side of peak has normal noise (see plot) dark before/after are identical → they should be! ESM anomaly occured during mem ⇒ 200° off!!	DATA-DIR/STRAY-~~LOOS~~ UV-1/1 /2

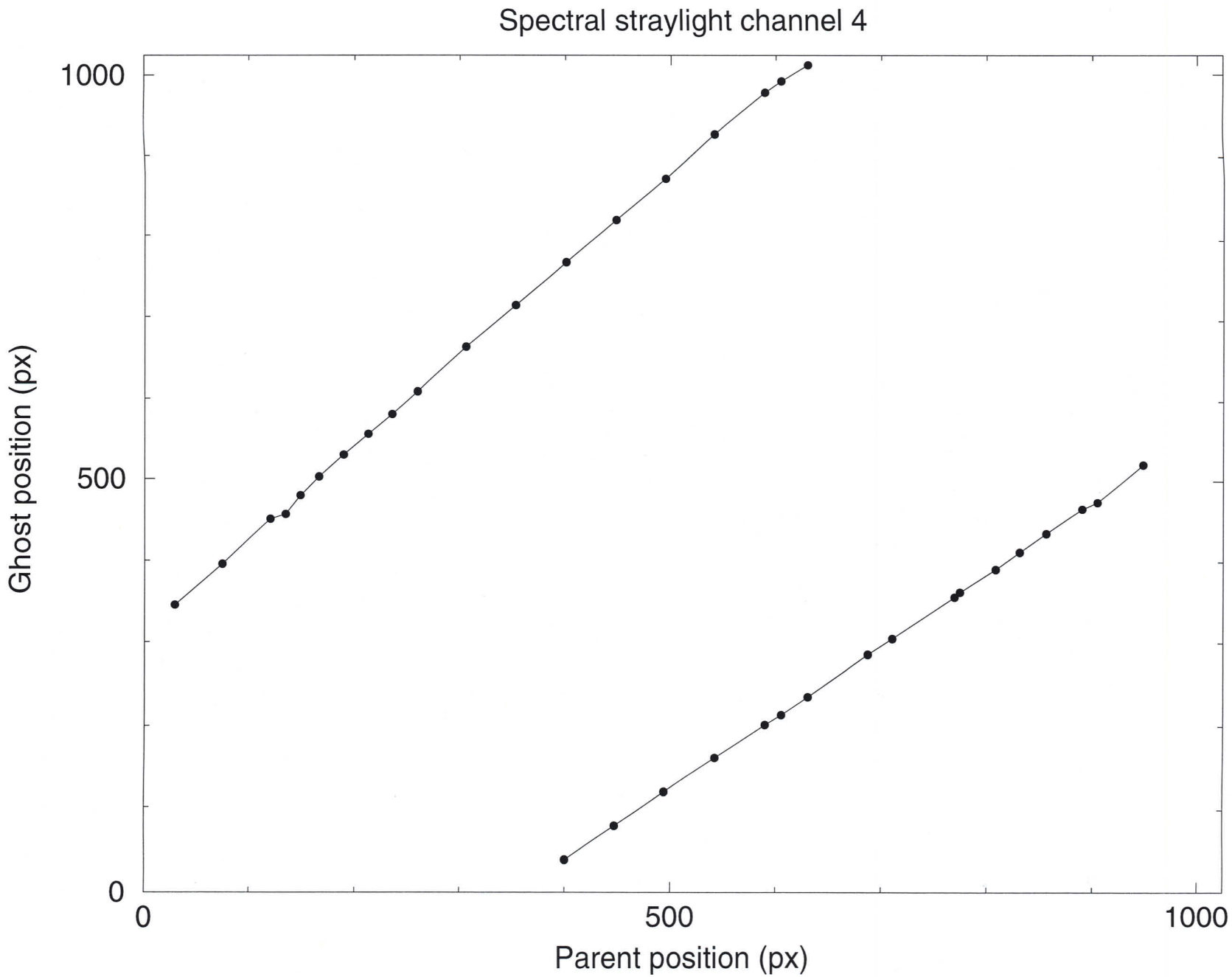
Remark : UID 26
EGSE-File : /disk1/SciaSCOE/log/DATA-DIR/STRAY-UV-I/1/scia_02091998_144519339.egse_ltf record = 2
Date : Wed 02-Sep-98 15:42:40 Channel # 4FM

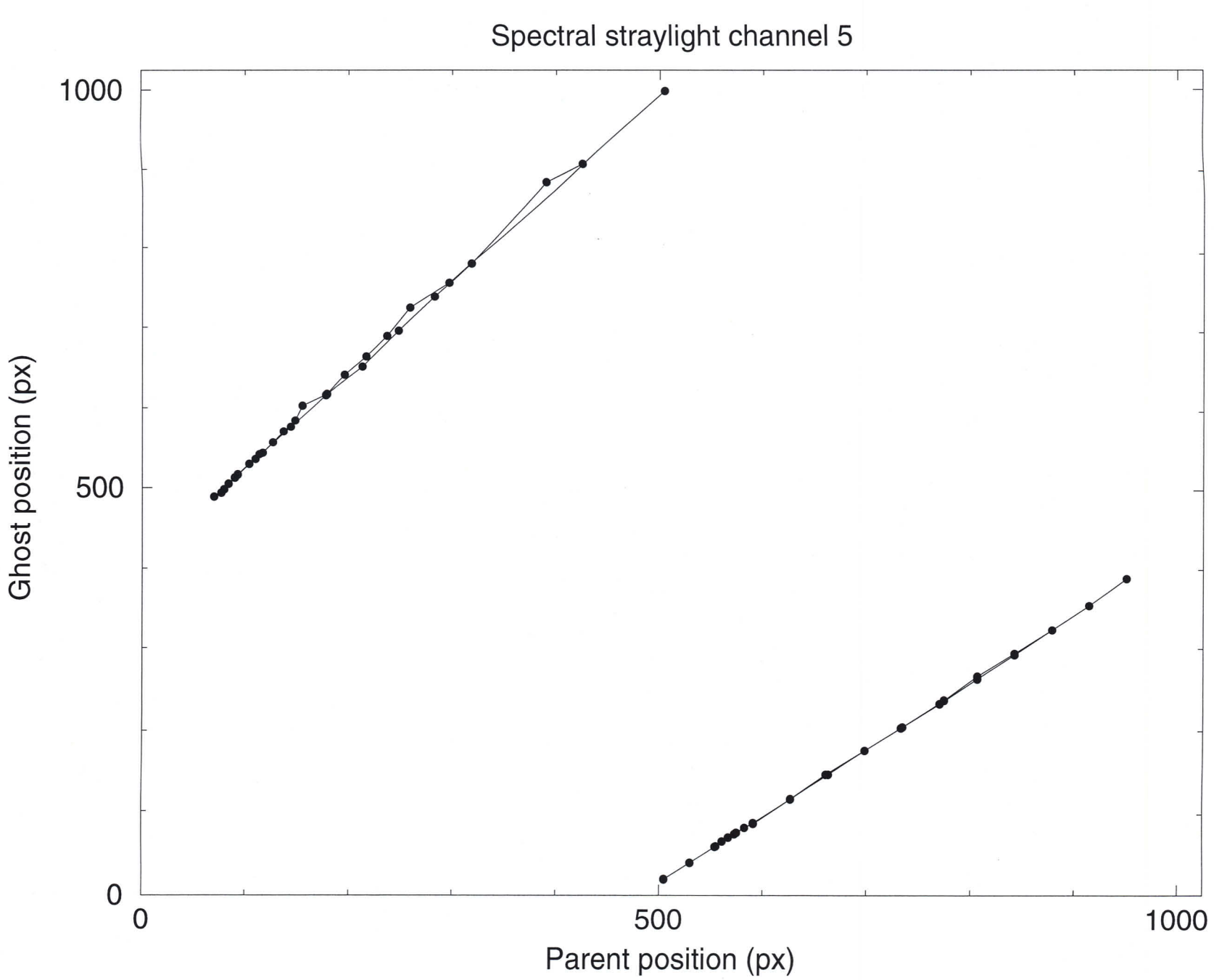


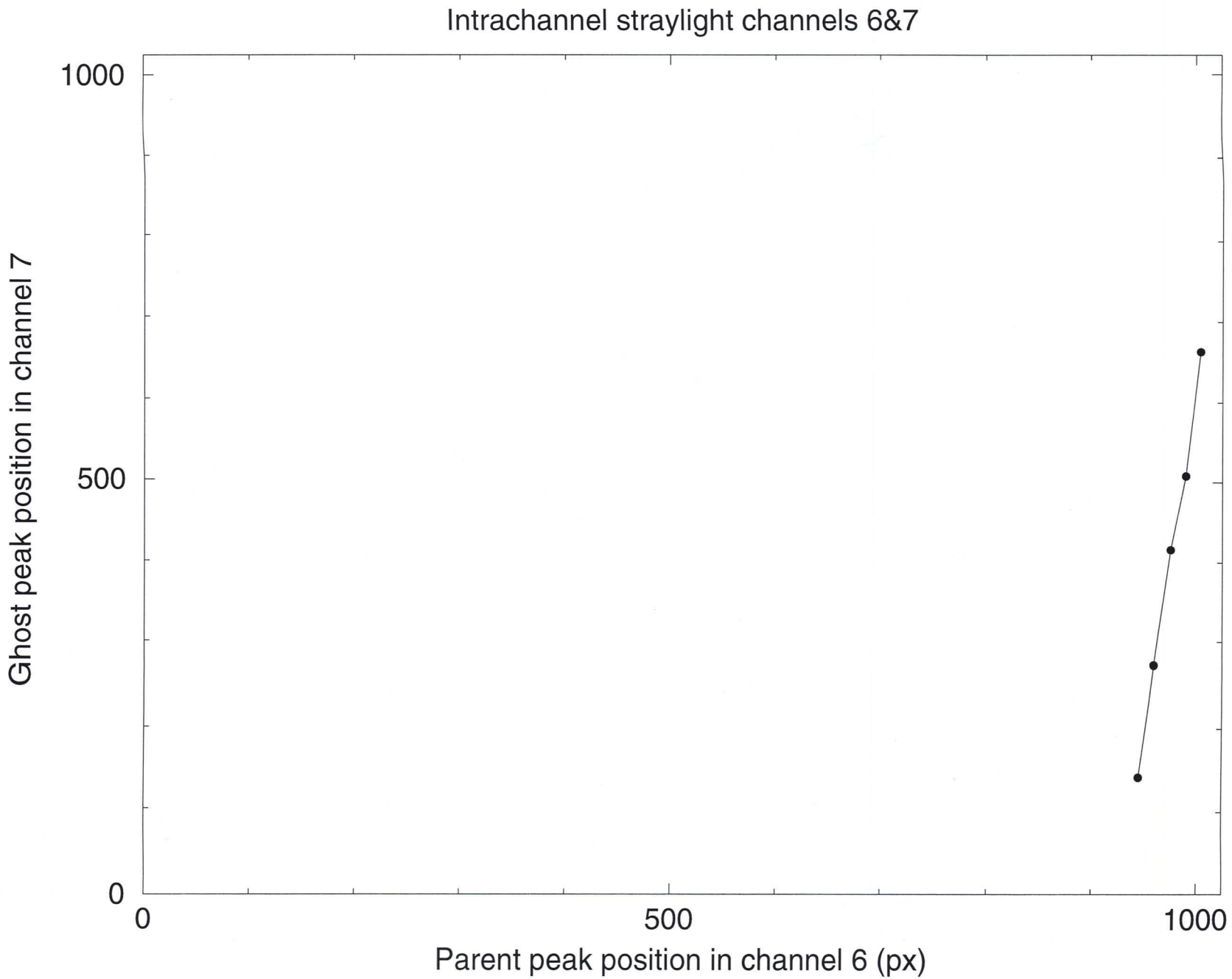

Spectral straylight channel 2
(air norms)
1000
500
0
ghost position (px)
0
500
1000
parent position (px)


Spectral straylight channel 3
1000
500
0
ghost position (px)
0
500
1000
parent position (px)


Spectral straylight channel 3
1000
500
0
Ghost position (px)
0
500
1000
Parent position (px)


Spectral straylight channel 4
1000
500
0
Ghost position (px)
0
500
1000
Parent position (px)


Spectral straylight channel 5
1000
500
0
Ghost position (px)
0
500
1000
Parent position (px)


Intrachannel straylight channels 6&7
1000
500
0
Ghost peak position in channel 7
0
500
1000
Parent peak position in channel 6 (px)

Formal Run of Measurement (Measurement ID) STRAY_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	47	✓								
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	64	1		✓				
2a	64	1						
3	8	8						
4	4	16						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

TEST RUN
1 UV diffuser
2/2/4 mm slits

saturated => 4 >
2-rated => 2 >

Stimuli Settings for Existing Blocks in Measurement

Block No	Stimuli Setup ID	[deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] start	Lambda [nm] stop	Lambda [nm] step	Repetition factor	Message	Setup time
1	1	0.0	128.5	close	1 start	240	240	0	1	DU1	50
2	1	0.0	128.5	open	1 start	240	240	0	1	M4~	8
3	1	0.0	128.5	open	1 start	247	303	7	1	M4~	3
4	1	0.0	128.5	open	1 start	311	319	8	1	M4~	3
5	1	0.0	128.5	open	1 start	329	392	9	1	M4~	3
6	1	0.0	128.5	open	1 start	400	610	21	1	M4~	3
7	1	0.0	128.5	open	1 start	620	650	10	1	M4~	3
8	1	0.0	128.5	close	1 start	650	650	0	1	DU2	8

Measur

Test Purp

Remark	4ID 26	**Issued**	
Data Directory	0245_14.40.55_	**< Performed**	2.9.98

Formal Run STRAY-UV-VIS

Formal Run of Measurement

(Measurement ID) STRAY - UU - V13

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	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	47									
Repetitions	1									

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

modified PETs

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	64	1						
2a	64	1						
3	4	16						
4	2	32						
5	64	1						
6	16	4						
7	2	32						
8	2	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	1	0	128.5								
2	1	0	128.5								
3	1	0	128.5			247	303	56			
4	1	0	"			311	319	8			
5	1	0				329	392	63			
6	1	0				400	610	42			
7	1	0	"			620	650	10			
8	1	0									

Measurement Data Description

Test Purpose	Stray - UU - 1 test
Remark	UID 26
Data Directory	

Signatures

	Date	Signature
Issued	2-9-98	RS
< Performed		

Formal Run of Measurement

(Measurement ID) STRAY-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	47	V								
Repetitions	8									

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

formal run

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	64	1						
2a	64	1						
3	4	16	V				:	
4	2	32						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

Stimuli Settings for Existing Blocks in Measurement

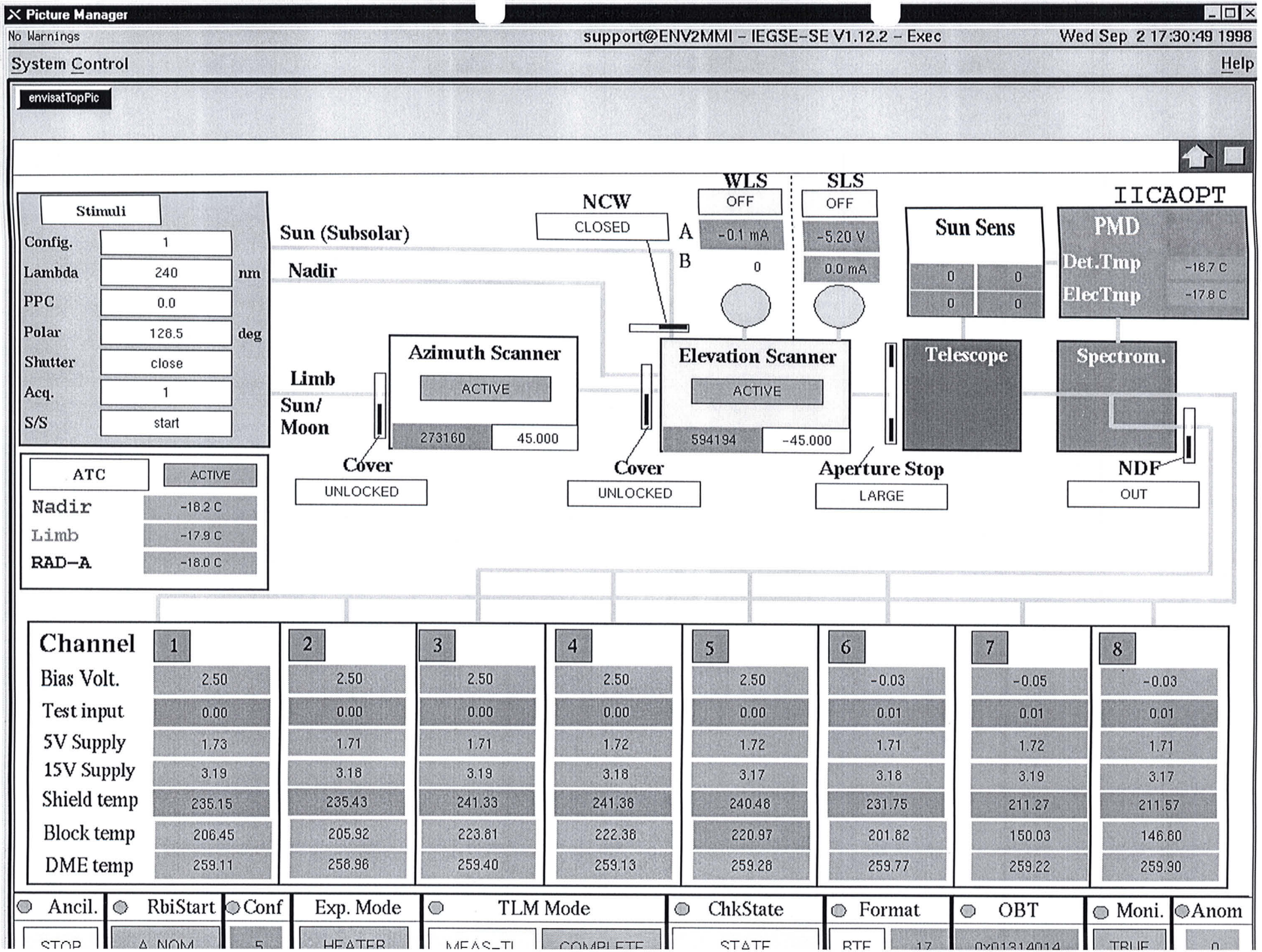
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup time [s]
1											
2											
3								7			
4								8			
5								9			
6								21			
7											
8											

Measurement Data Description

Test Purpose	Stray - UV - 1
Remark	UCD 26
Data Directory	

Signatures

	Date	Signature
Issued	2-9-98	RS
< Performed		


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Wed Sep 2 17:30:49 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 240 nm
PPC 0.0
Polar 128.5 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
-5.20 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.7 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 235.15 235.43 241.33 241.38 240.48 231.75 211.27 211.57
Block temp 206.45 205.92 223.61 222.36 220.97 201.82 150.03 146.60
DME temp 259.11 258.96 259.40 259.13 259.28 259.77 259.22 259.90
Ancil. RbiStart Conf Exp. Mode TLM Mode ChkState Format OBT Moni. Anom
STOP A_NOM 5 HEATER MEAS_TL COMPLETE STATE RTE 17 0x01314014 TRUE 0

Formal Run of Measurement

(Measurement ID) STRAY-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	K	(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	47	V								
Repetitions	8									

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	64	1						
2a	64	1						
3	64	16	V				!	
4	2	32						
5	64	1						
6	16	4						
7	2	32						
8	2	32						
State ID								

formal run

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											
3								7			
4								8			
5								9			
6								21			
7											
8											

Measurement Data Description

Test Purpose	Stray - UV - 1
Remark	UCD 26
Data Directory	1245_17.14.55 STRAYUV.VIS

Signatures

	Date	Signature
Issued	2-9-98	BS
< Performed	2/9/98	

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Bv2	
	Date:	3-9-98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_020919998_1~~08~~ 1720028 79 29130.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/STRAY-UV-I/ ;` `ls -l`		Note: In window DATA-DIR
	highest number in directory?	2	(B)
	New directory: `mkdir <B+1>` `ls -l`		
	What's now the highest number in directory?	3	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	~/DATA-DIR/STRAY-UV-I/<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)		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 scia_020919gd_17200287g.egse-ltf (D)

<D> should be <A>.egse_ltf (Y)/ N

Cnstr CAL files

idl run_fastaverscia (and select file <D> when asked)

Note: In window IDL

Check CAL files

Dark files:

In DATA-DIR Window

ls -l *du*.cal

size: 145gg8

should be approx 150Kb

Monochromator ouput:

ls -l *mu<lambda>*.avg.cal
(where lambda is a wavelength indicator)

size: 145gg8

should be approx 150Kb

lambda ranges from: 240

to: 650

Note: all files should be present, if not:

(a) Check file <D> using SOLAN and check whether dremark1 labels are present.

(b) Check if enough disk space is available (Unix command df -k | more).

Print postscript

Pick a `*.m*<lambda>.avg.cal` file.

```
lpr -P<printer> *.avg.cal.ps
```

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

Contents of a file *mu<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y)/ N

Contents of *mu<lambda>.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

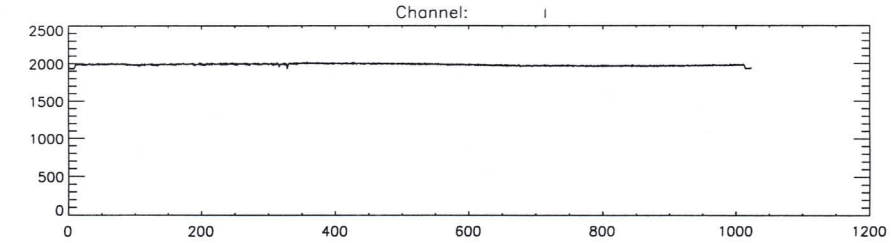
Print logfiles

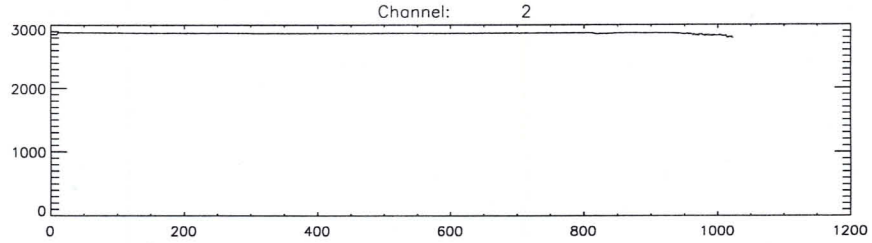
```
lpr -P<printer> *.log
```

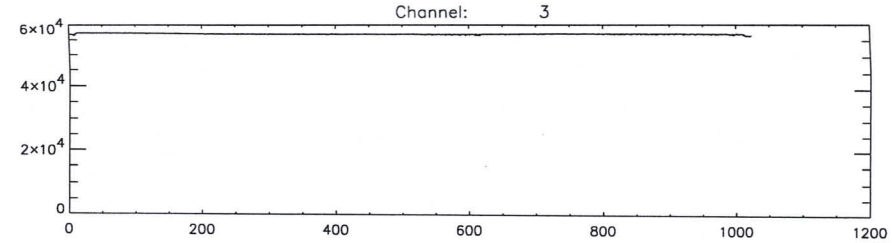
Add logfiles to logbook, done (Y)/ N

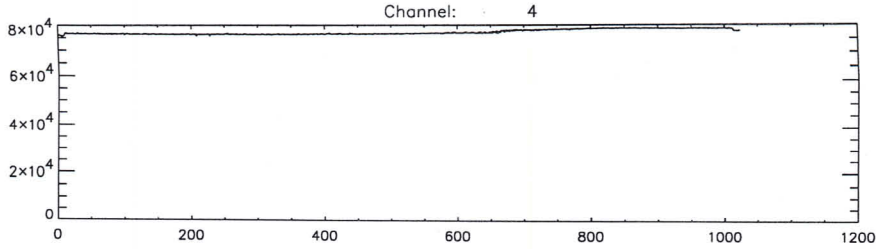
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	03 0998 A	

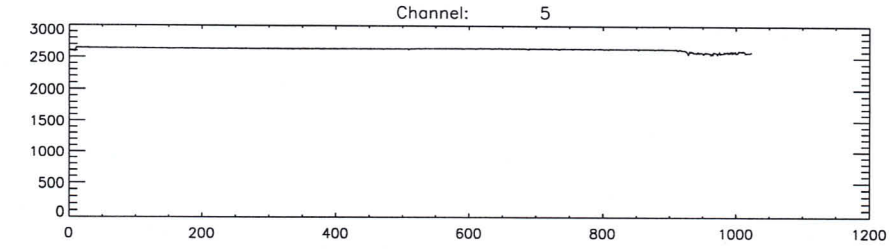
Sign:	Name	
	Date and time	
	Signature	

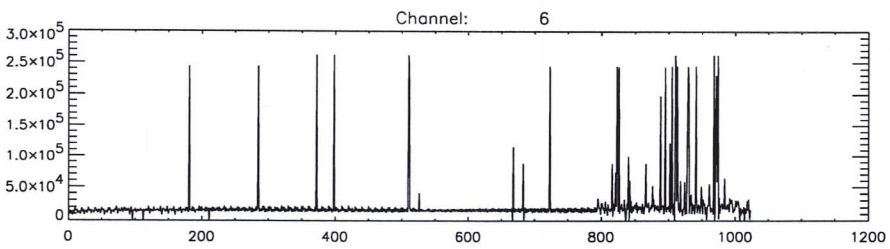

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

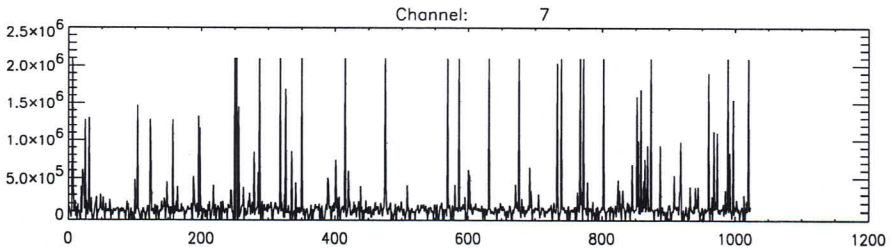

Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200

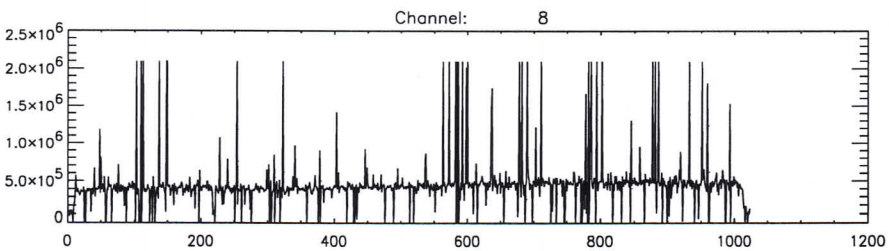

Channel: 3
6x10^4
4x10^4
2x10^4
0
0
200
400
600
800
1000
1200

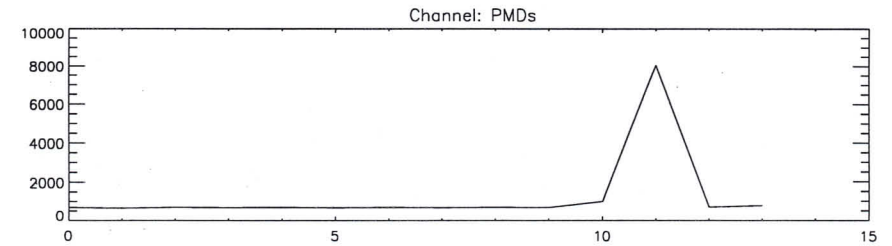

Channel: 4
8x10^4
6x10^4
4x10^4
2x10^4
0
0
200
400
600
800
1000
1200

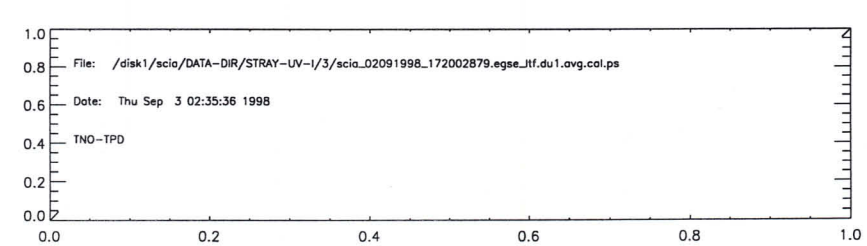

Channel: 5
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

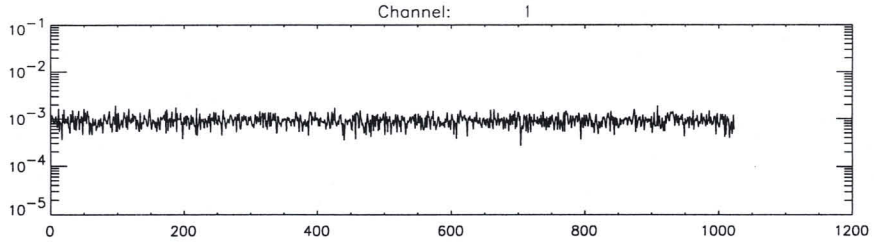

Channel: 6
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200

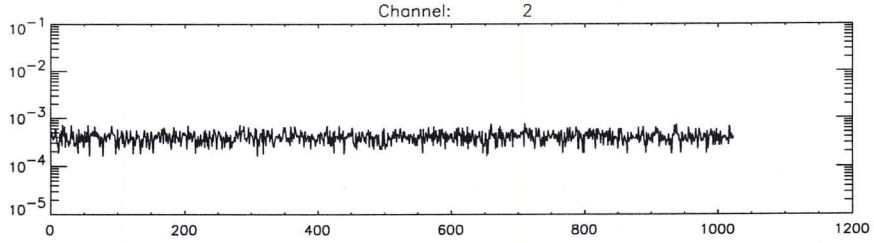

Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

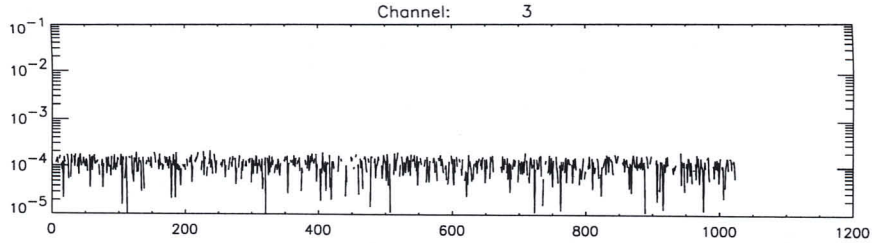

Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

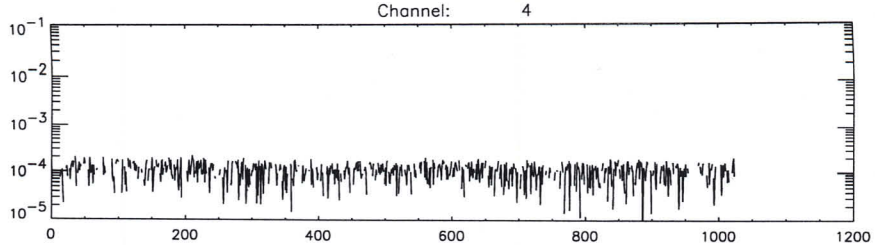

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

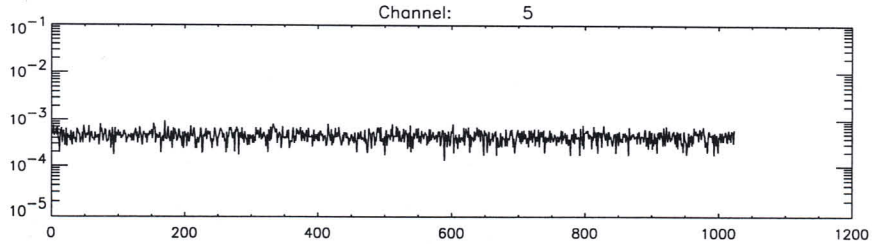

File: /disk1/scia/DATA-DIR/STRAY-UV-1/3/scia_02091998_172002879.egse_ltf.du1.avg.cal.ps
Date: Thu Sep 3 02:35:36 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

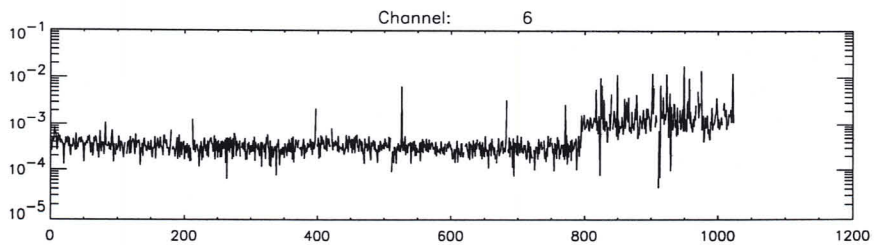

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

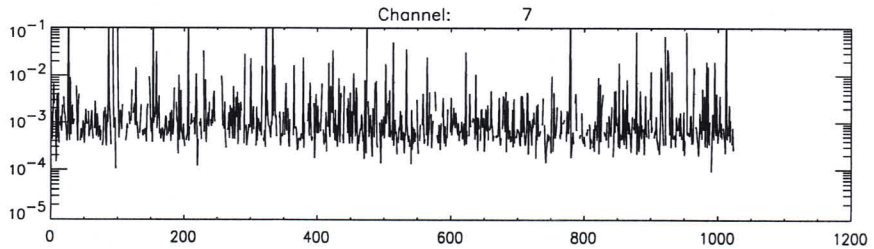

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

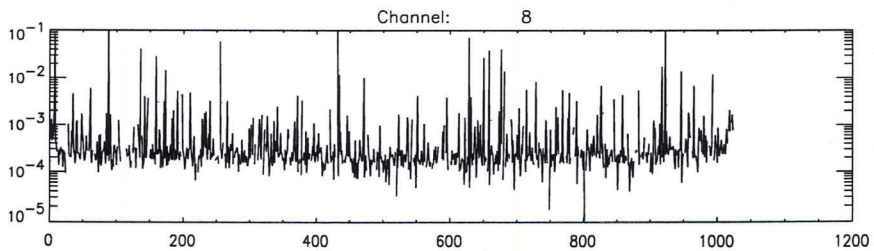

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

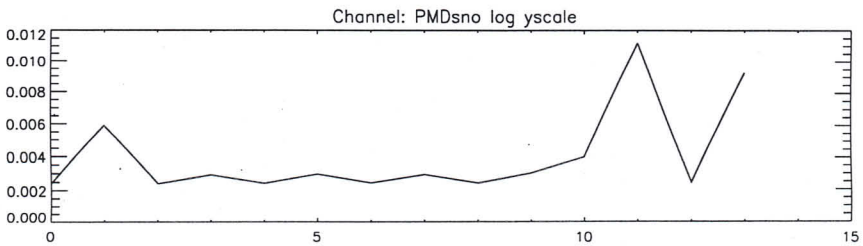

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

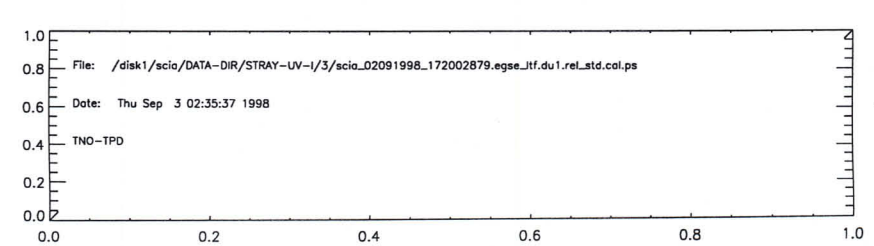

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

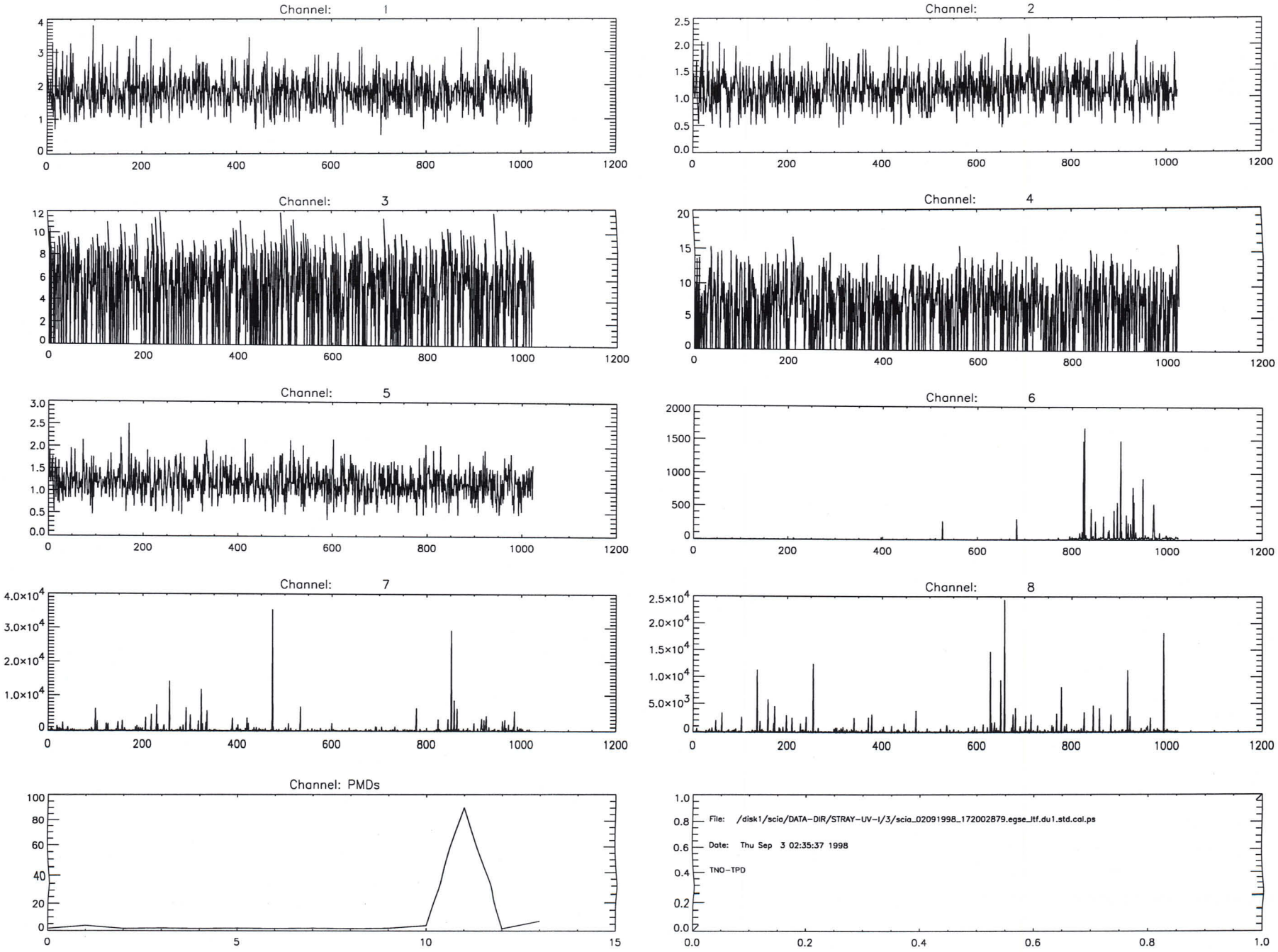

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

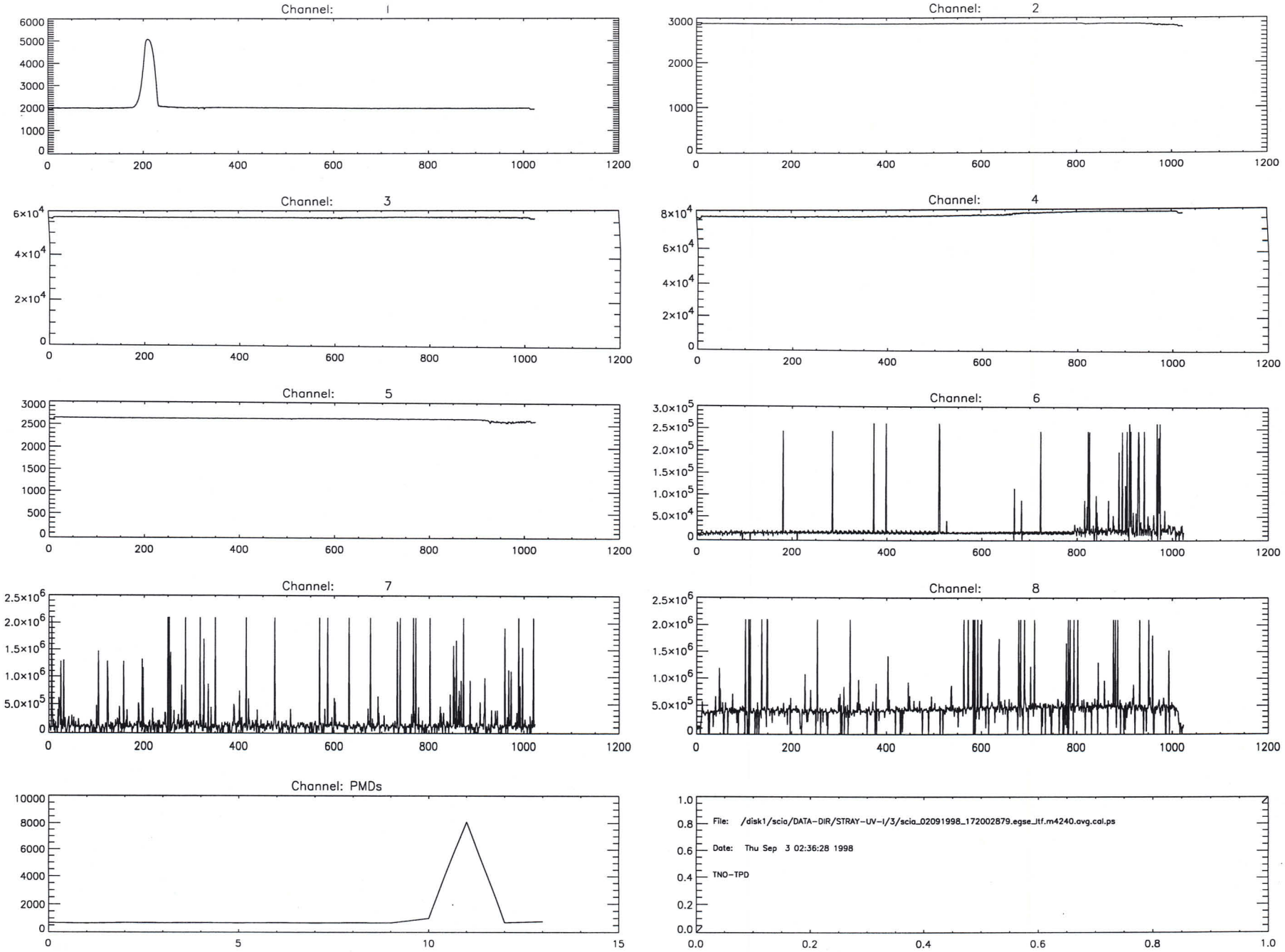

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

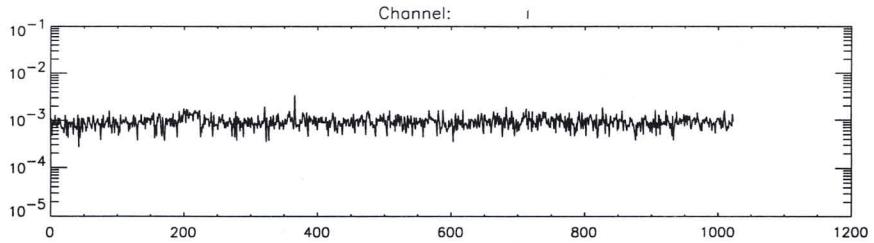

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

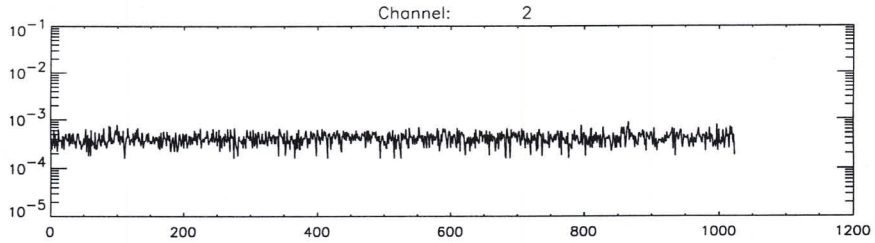

Channel: PMDsno log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-UV-1/3/scia_02091998_172002879.egse_ltf.du1.rel_std.cal.ps
Date: Thu Sep 3 02:35:37 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/STRAY-UV-I/3/scia_02091998_172002879.egse_itf.du1.std.cal.ps
Date: Thu Sep 3 02:35:37 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/STRAY-UV-1/3/scia_02091998_172002879.egse_itf.m4240.avg.cal.ps
Date: Thu Sep 3 02:36:28 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
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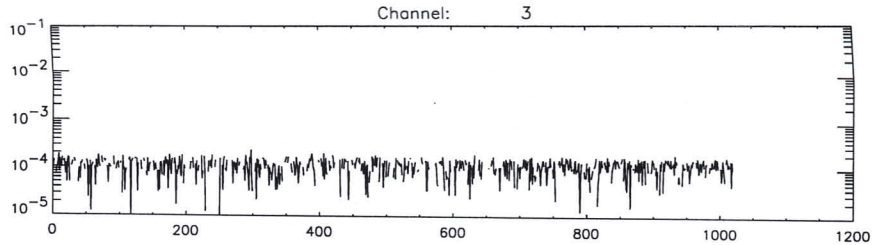
400
600
800
1000
1200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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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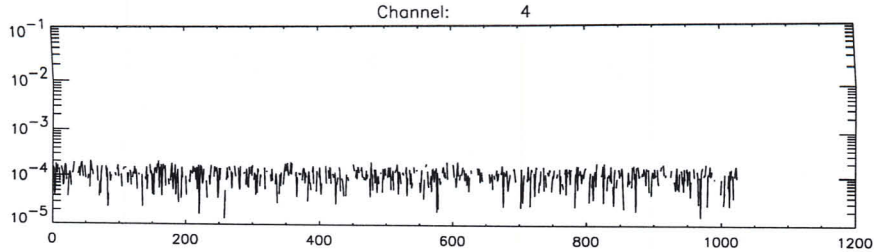
400
600
800
1000
1200


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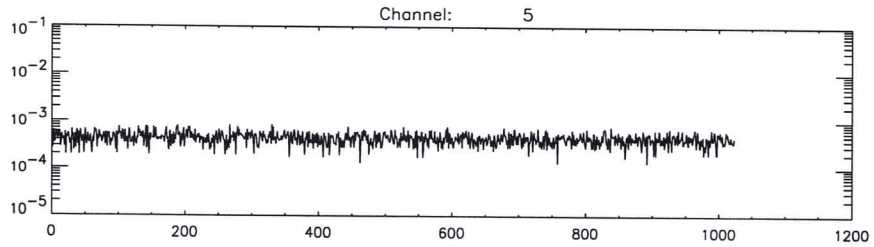
600
800
1000
1200


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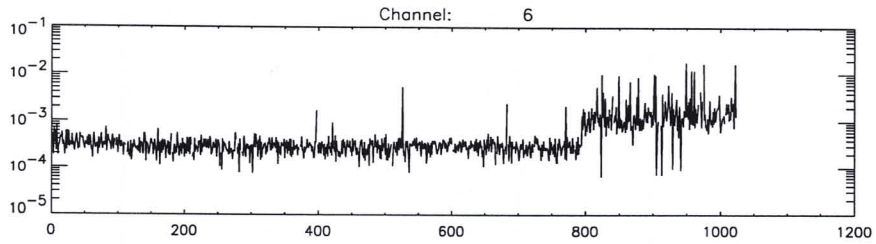
400
600
800
1000
1200


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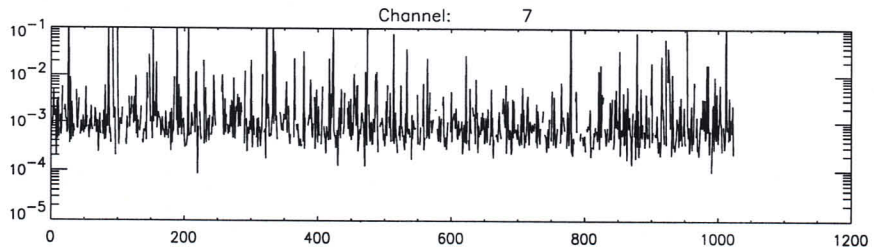
400
600
800
1000
1200


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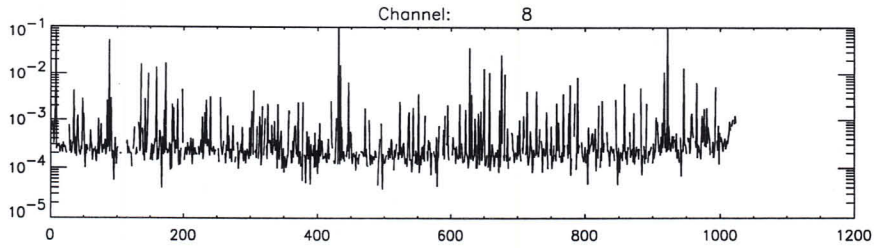
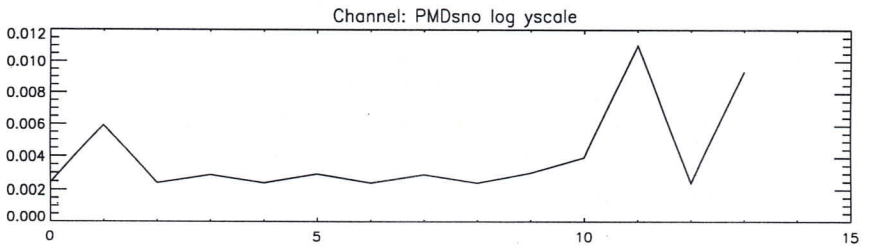
400
600
800
1000
1200


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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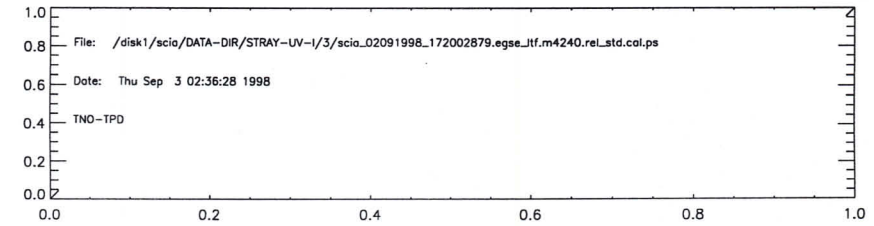
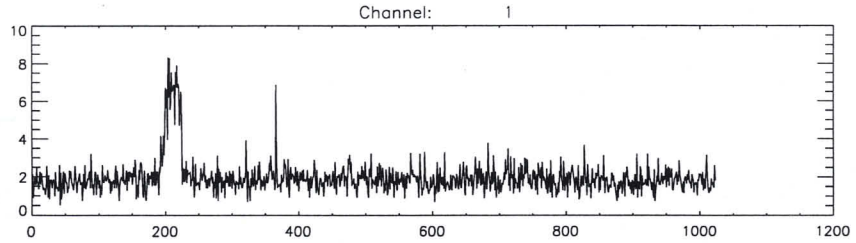
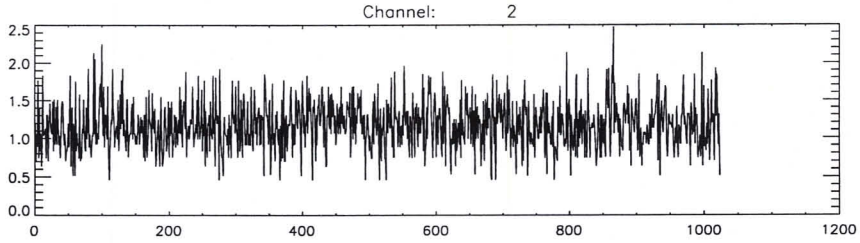
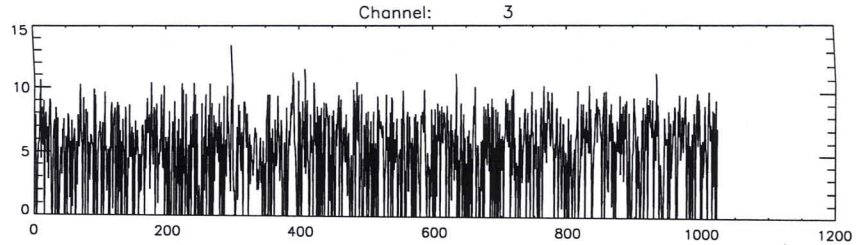
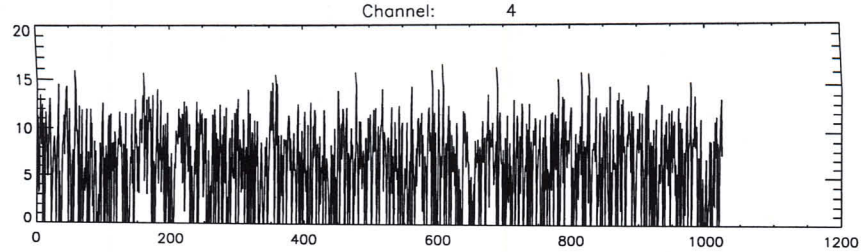
0.008
0.006
0.004
0.002
0.000
0
5
10
15

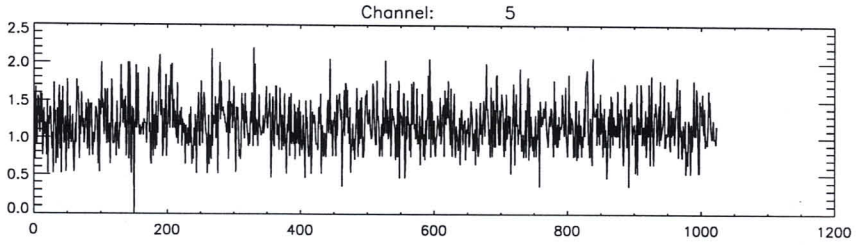

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-UV-1/3/scia_02091998_172002879.egse_ltf.m4240.rel_std.cal.ps
Date: Thu Sep 3 02:36:28 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

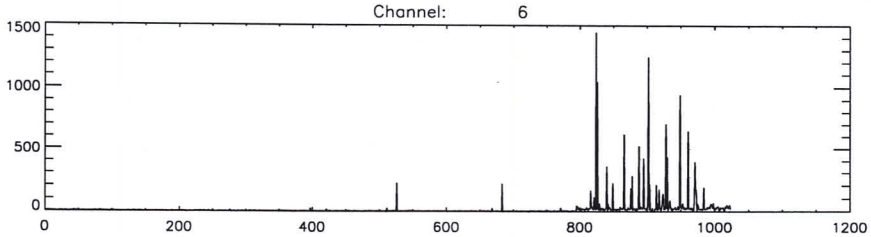

Channel: 1

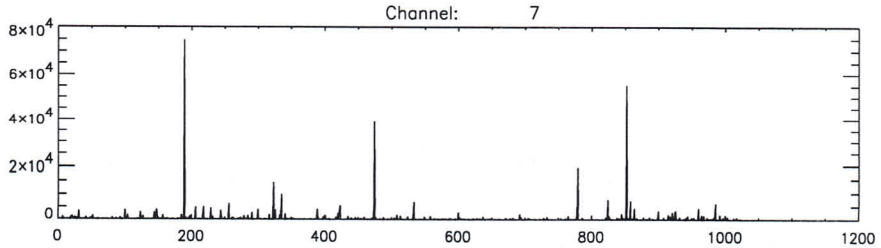

Channel: 2

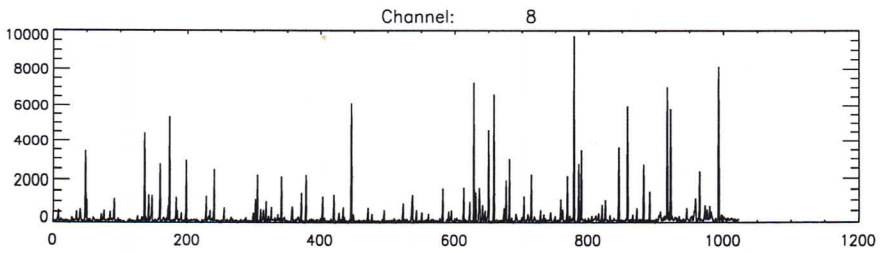

Channel: 3

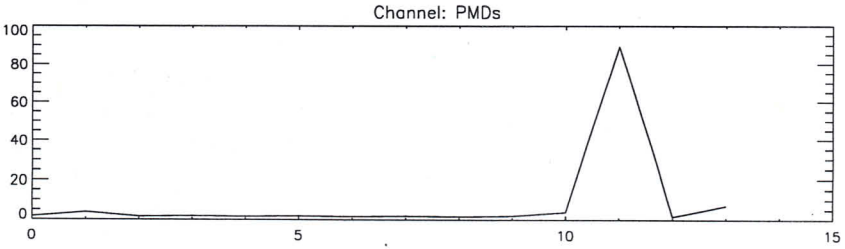

Channel: 4

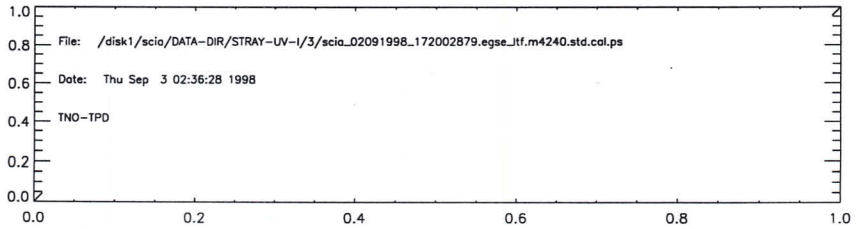

Channel: 5

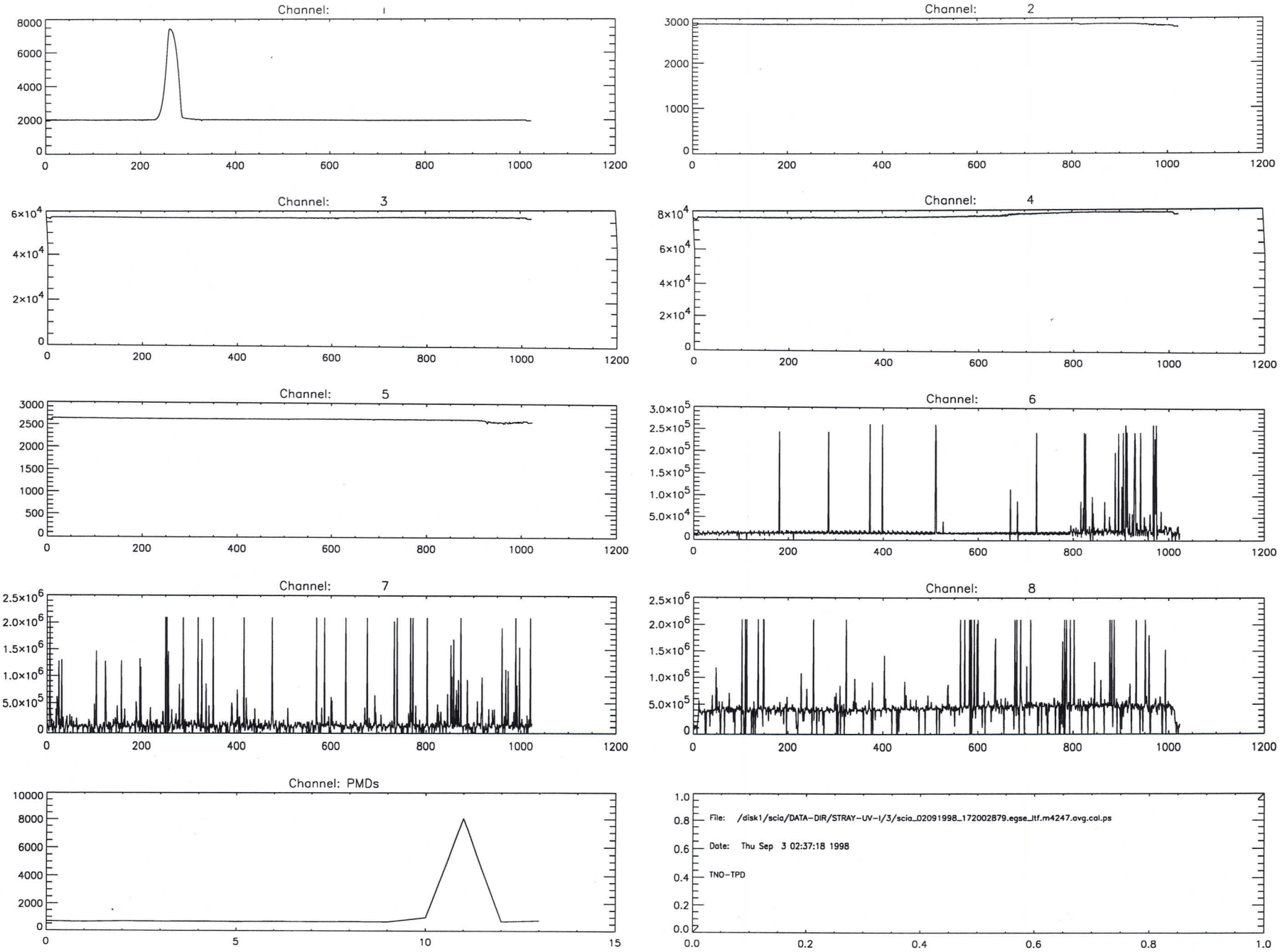

Channel: 6

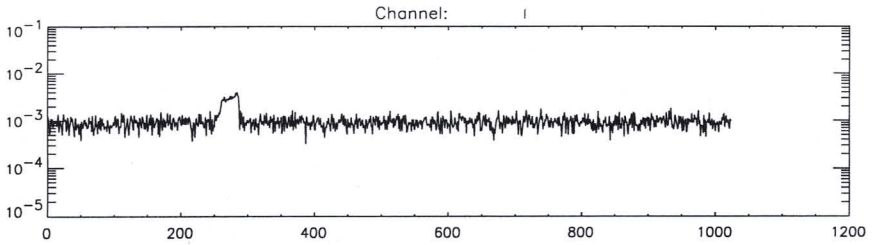

Channel: 7

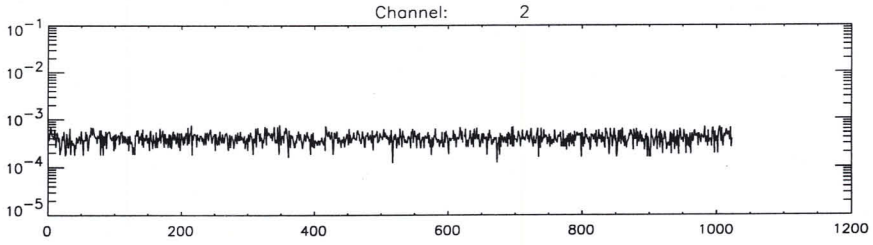

Channel: 8

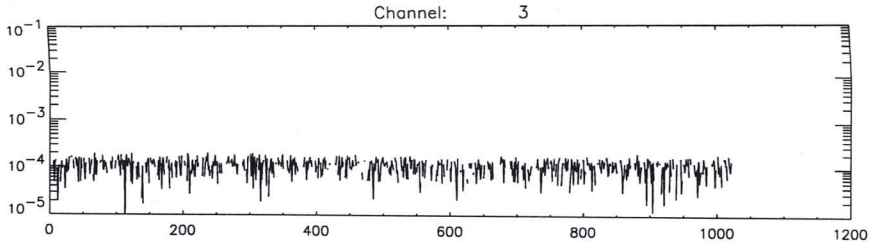

Channel: PMDs

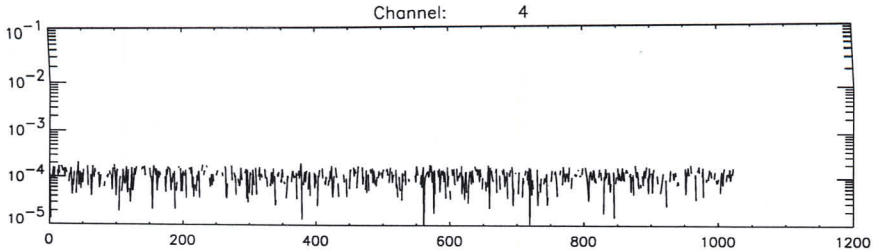

File: /disk1/scia/DATA-DIR/STRAY-UV-I/3/scia_02091998_172002879.egse_itf.m4240.std.cal.ps
Date: Thu Sep 3 02:36:28 1998
TNO-TPD

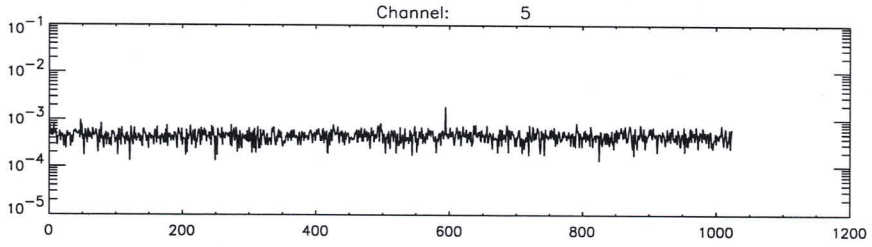

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/STRAY-UV-1/3/scia_02091998_172002879.egse_ltf.m4247.avg.cal.ps
Date: Thu Sep 3 02:37:18 1998
TNO-TPD

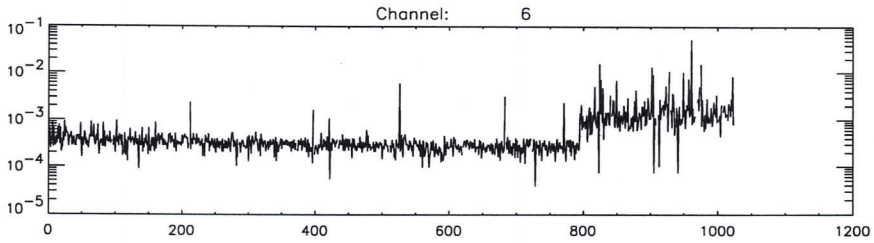

Channel: 1

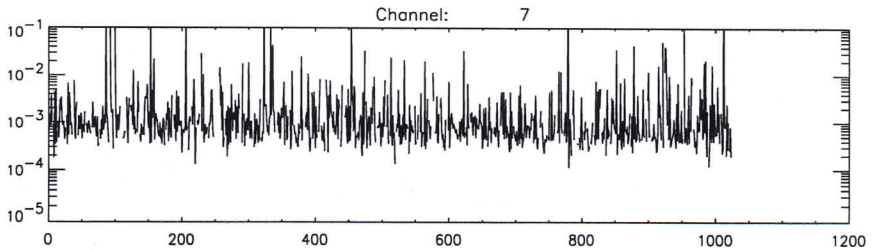

Channel: 2

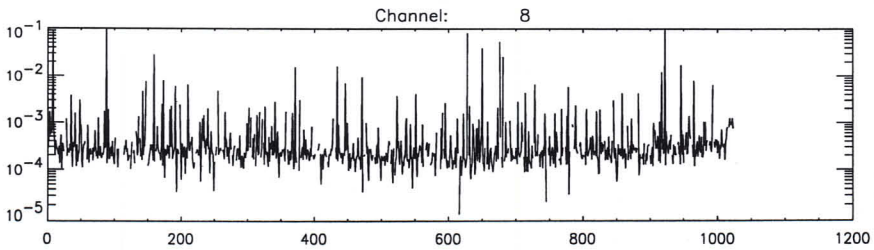

Channel: 3

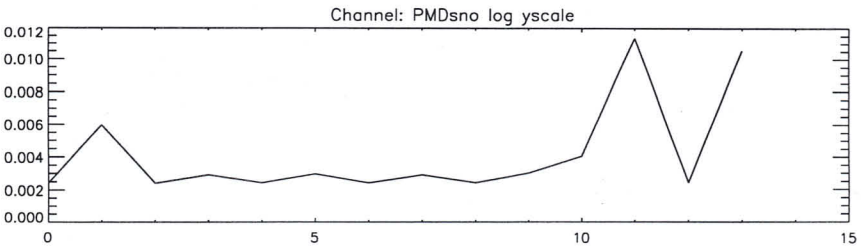

Channel: 4

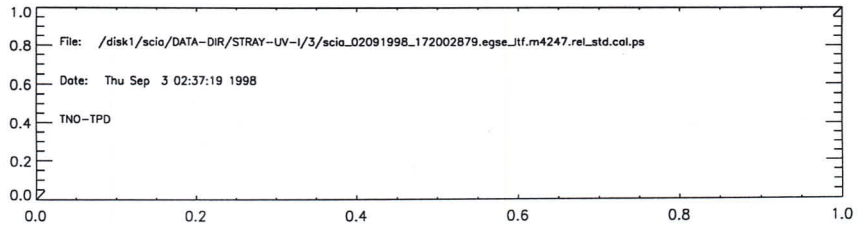

Channel: 5

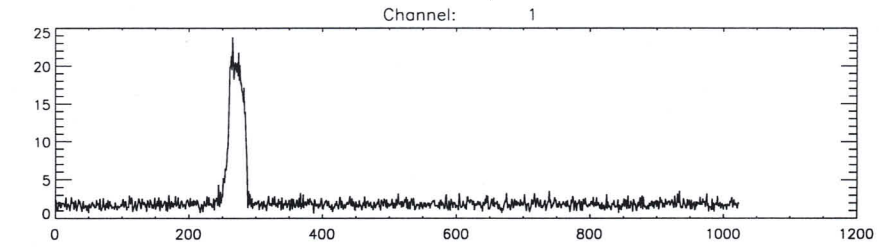

Channel: 6

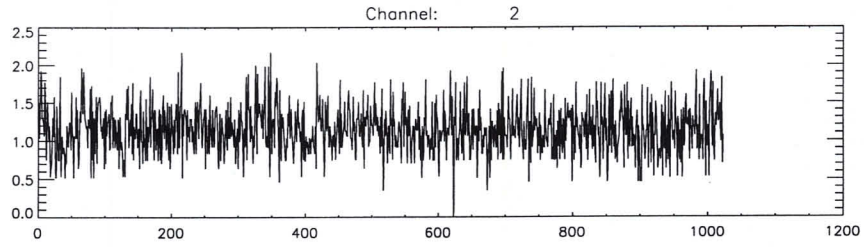

Channel: 7

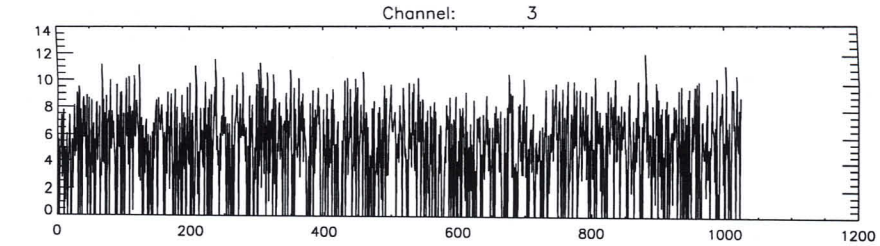

Channel: 8

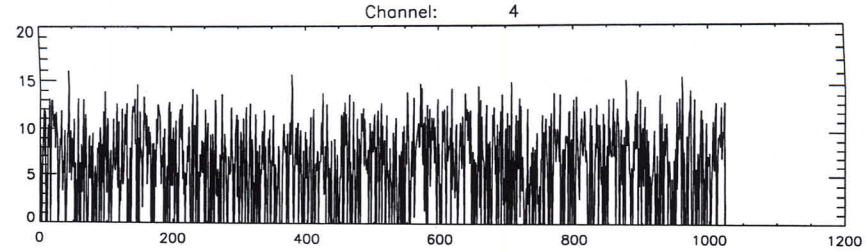

Channel: PMDsno log yscale

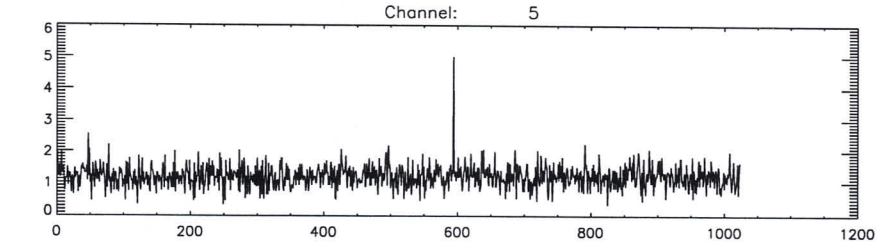

File: /disk1/scia/DATA-DIR/STRAY-UV-I/3/scia_02091998_172002879.egse_itf.m4247.rel_std.cal.ps
Date: Thu Sep 3 02:37:19 1998
TNO-TPD

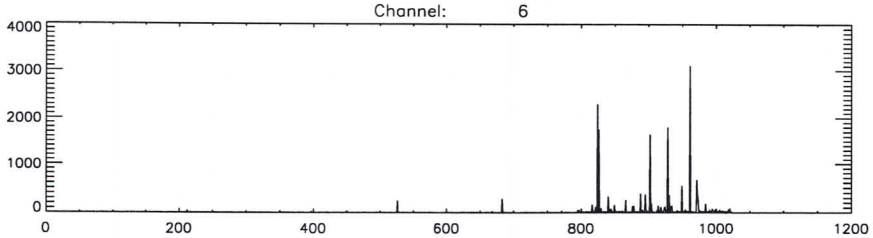

Channel: 1

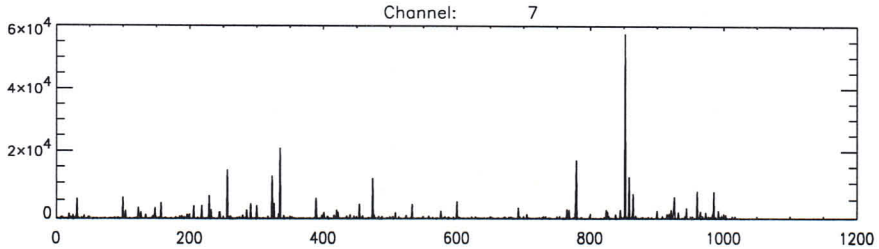

Channel: 2

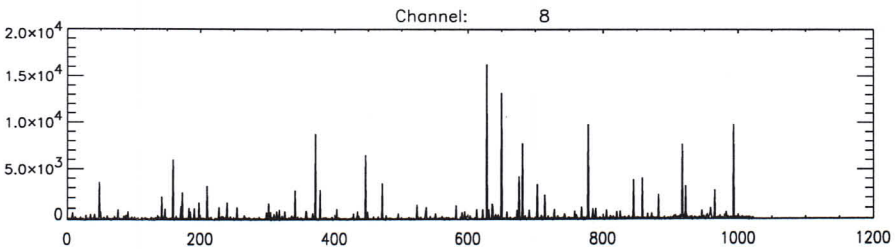

Channel: 3

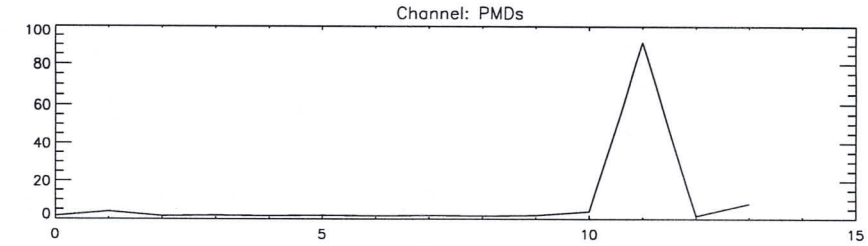

Channel: 4

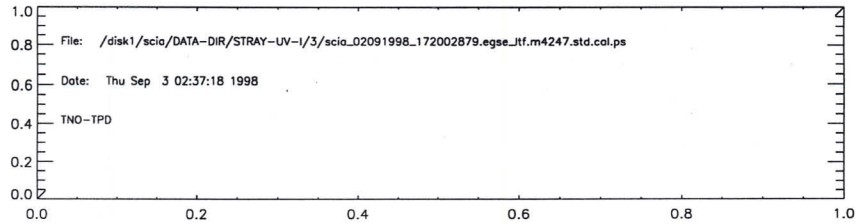

Channel: 5


Channel: 6


Channel: 7


Channel: 8

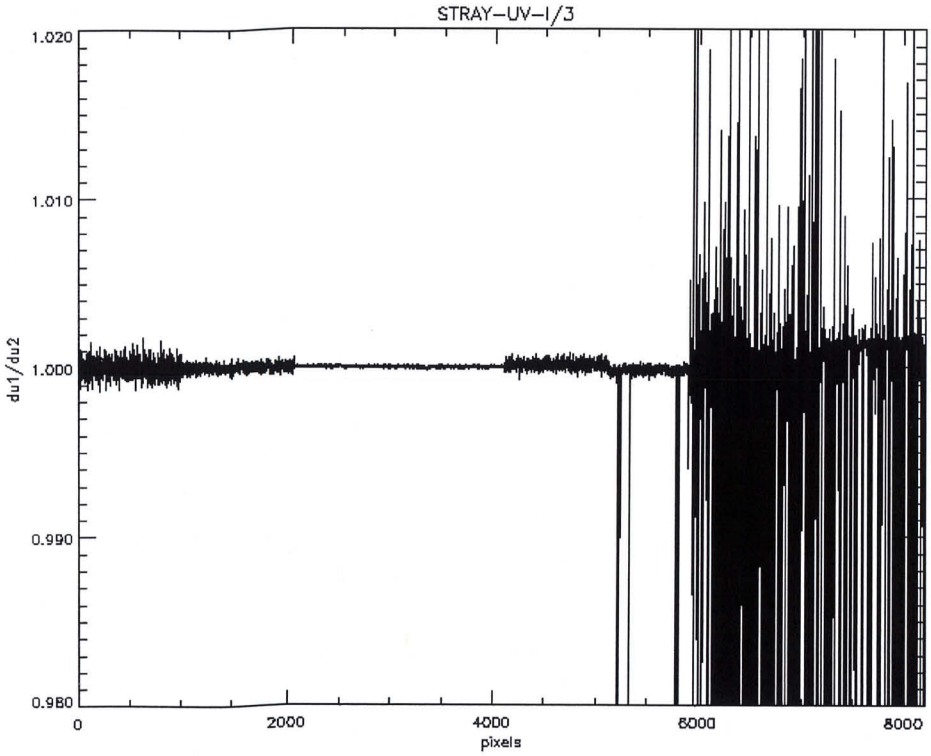

Channel: PMDs


File: /disk1/scia/DATA-DIR/STRAY-UV-1/3/scia_02091998_172002879.egse_ltf.m4247.std.cal.ps
Date: Thu Sep 3 02:37:18 1998
TNO-TPD

```
time       = Thu Sep   3 02:36:28 1998
batch      = m4240
Start TOD = Wed 02-Sep-98 17:31:11
End   TOD = Wed 02-Sep-98 17:41:14
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Sep  3 02:37:19 1998
batch      = m4247
Start TOD = Wed 02-Sep-98 17:41:14
End   TOD = Wed 02-Sep-98 17:51:20
Processing= computation of average, standard dev. and rel. standard dev.
```

dark before/after



```
#! /bin/sh
mv f0.x 02091719.DAT
mv f1.x 245y1714.doc
mv f2.x 245y1717.doc
mv f3.x 245y2340.xls
mv f4.x WS_FTP.LOG
mv f5.x control-file
mv f6.x dapbchklog
mv f7.x dapbseqlog
mv f8.x egse.inf
mv f9.x gemsmpara.dat
mv f10.x hk_ccb.dat
mv f11.x hk_optec.dat
mv f12.x scia_02091998_172002879.dat
mv f13.x scia_02091998_172002879.egse_ltf
mv f14.x scia_02091998_172002879.egse_ltf.du1.avg.cal
mv f15.x scia_02091998_172002879.egse_ltf.du1.avg.cal.ps
mv f16.x scia_02091998_172002879.egse_ltf.du1.log
mv f17.x scia_02091998_172002879.egse_ltf.du1.rel_std.cal
mv f18.x scia_02091998_172002879.egse_ltf.du1.rel_std.cal.ps
mv f19.x scia_02091998_172002879.egse_ltf.du1.std.cal
mv f20.x scia_02091998_172002879.egse_ltf.du1.std.cal.ps
r   f21.x scia_02091998_172002879.egse_ltf.du2.avg.cal
mv  f22.x scia_02091998_172002879.egse_ltf.du2.log
mv f23.x scia_02091998_172002879.egse_ltf.m4240.avg.cal
mv f24.x scia_02091998_172002879.egse_ltf.m4240.avg.cal.ps
mv f25.x scia_02091998_172002879.egse_ltf.m4240.log
mv f26.x scia_02091998_172002879.egse_ltf.m4240.rel_std.cal
mv f27.x scia_02091998_172002879.egse_ltf.m4240.rel_std.cal.ps
mv f28.x scia_02091998_172002879.egse_ltf.m4240.std.cal
mv f29.x scia_02091998_172002879.egse_ltf.m4240.std.cal.ps
mv f30.x scia_02091998_172002879.egse_ltf.m4247.avg.cal
mv f31.x scia_02091998_172002879.egse_ltf.m4247.avg.cal.ps
mv f32.x scia_02091998_172002879.egse_ltf.m4247.log
mv f33.x scia_02091998_172002879.egse_ltf.m4247.rel_std.cal
mv f34.x scia_02091998_172002879.egse_ltf.m4247.rel_std.cal.ps
mv f35.x scia_02091998_172002879.egse_ltf.m4247.std.cal
mv f36.x scia_02091998_172002879.egse_ltf.m4247.std.cal.ps
mv f37.x scia_02091998_172002879.egse_ltf.m4254.avg.cal
mv f38.x scia_02091998_172002879.egse_ltf.m4254.log
mv f39.x scia_02091998_172002879.egse_ltf.m4261.avg.cal
n   f40.x scia_02091998_172002879.egse_ltf.m4261.log
mv  f41.x scia_02091998_172002879.egse_ltf.m4268.avg.cal
mv f42.x scia_02091998_172002879.egse_ltf.m4268.log
mv f43.x scia_02091998_172002879.egse_ltf.m4275.avg.cal
mv f44.x scia_02091998_172002879.egse_ltf.m4275.log
mv f45.x scia_02091998_172002879.egse_ltf.m4282.avg.cal
mv f46.x scia_02091998_172002879.egse_ltf.m4282.log
mv f47.x scia_02091998_172002879.egse_ltf.m4289.avg.cal
mv f48.x scia_02091998_172002879.egse_ltf.m4289.log
mv f49.x scia_02091998_172002879.egse_ltf.m4296.avg.cal
mv f50.x scia_02091998_172002879.egse_ltf.m4296.log
mv f51.x scia_02091998_172002879.egse_ltf.m4303.avg.cal
mv f52.x scia_02091998_172002879.egse_ltf.m4303.log
mv f53.x scia_02091998_172002879.egse_ltf.m4311.avg.cal
mv f54.x scia_02091998_172002879.egse_ltf.m4311.log
mv f55.x scia_02091998_172002879.egse_ltf.m4319.avg.cal
mv f56.x scia_02091998_172002879.egse_ltf.m4319.log
mv f57.x scia_02091998_172002879.egse_ltf.m4329.avg.cal
mv f58.x scia_02091998_172002879.egse_ltf.m4329.log
mv f59.x scia_02091998_172002879.egse_ltf.m4338.avg.cal
mv f60.x scia_02091998_172002879.egse_ltf.m4338.log
mv f61.x scia_02091998_172002879.egse_ltf.m4347.avg.cal
mv f62.x scia_02091998_172002879.egse_ltf.m4347.log
```

```
mv f63.x scia_02091998_172002879.egse_ltf.m4356.avg.cal
mv f64.x scia_02091998_172002879.egse_ltf.m4356.log
mv f65.x scia_02091998_172002879.egse_ltf.m4365.avg.cal
mv f66.x scia_02091998_172002879.egse_ltf.m4365.log
mv f67.x scia_02091998_172002879.egse_ltf.m4374.avg.cal
mv f68.x scia_02091998_172002879.egse_ltf.m4374.log
mv f69.x scia_02091998_172002879.egse_ltf.m4383.avg.cal
mv f70.x scia_02091998_172002879.egse_ltf.m4383.log
mv f71.x scia_02091998_172002879.egse_ltf.m4392.avg.cal
mv f72.x scia_02091998_172002879.egse_ltf.m4392.log
mv f73.x scia_02091998_172002879.egse_ltf.m4400.avg.cal
mv f74.x scia_02091998_172002879.egse_ltf.m4400.log
mv f75.x scia_02091998_172002879.egse_ltf.m4421.avg.cal
mv f76.x scia_02091998_172002879.egse_ltf.m4421.log
mv f77.x scia_02091998_172002879.egse_ltf.m4442.avg.cal
mv f78.x scia_02091998_172002879.egse_ltf.m4442.log
mv f79.x scia_02091998_172002879.egse_ltf.m4463.avg.cal
mv f80.x scia_02091998_172002879.egse_ltf.m4463.log
mv f81.x scia_02091998_172002879.egse_ltf.m4484.avg.cal
mv f82.x scia_02091998_172002879.egse_ltf.m4484.log
mv f83.x scia_02091998_172002879.egse_ltf.m4505.avg.cal
mv f84.x scia_02091998_172002879.egse_ltf.m4505.log
  f85.x scia_02091998_172002879.egse_ltf.m4526.avg.cal
mv f86.x scia_02091998_172002879.egse_ltf.m4526.log
mv f87.x scia_02091998_172002879.egse_ltf.m4547.avg.cal
mv f88.x scia_02091998_172002879.egse_ltf.m4547.log
mv f89.x scia_02091998_172002879.egse_ltf.m4568.avg.cal
mv f90.x scia_02091998_172002879.egse_ltf.m4568.log
mv f91.x scia_02091998_172002879.egse_ltf.m4589.avg.cal
mv f92.x scia_02091998_172002879.egse_ltf.m4589.log
mv f93.x scia_02091998_172002879.egse_ltf.m4610.avg.cal
mv f94.x scia_02091998_172002879.egse_ltf.m4610.log
mv f95.x scia_02091998_172002879.egse_ltf.m4620.avg.cal
mv f96.x scia_02091998_172002879.egse_ltf.m4620.log
mv f97.x scia_02091998_172002879.egse_ltf.m4630.avg.cal
mv f98.x scia_02091998_172002879.egse_ltf.m4630.log
mv f99.x scia_02091998_172002879.egse_ltf.m4640.avg.cal
mv f100.x scia_02091998_172002879.egse_ltf.m4640.log
mv f101.x scia_02091998_172002879.egse_ltf.m4650.avg.cal
mv f102.x scia_02091998_172002879.egse_ltf.m4650.log
mv f103.x scia_02091998_185929130.dat
  f104.x scia_02091998_203935349.dat
mv f105.x scia_02091998_221943320.dat
```

```
#! /bin/sh
mv 02091719.DAT f0.x
mv 245y1714.doc f1.x
mv 245y1717.doc f2.x
mv 245y2340.xls f3.x
mv WS_FTP.LOG f4.x
mv control-file f5.x
mv dapbchklog f6.x
mv dapbseqlog f7.x
mv egse.inf f8.x
mv gemsmpara.dat f9.x
mv hk_ccb.dat f10.x
mv hk_optec.dat f11.x
mv scia_02091998_172002879.dat f12.x
mv scia_02091998_172002879.egse_ltf f13.x
mv scia_02091998_172002879.egse_ltf.du1.avg.cal f14.x
mv scia_02091998_172002879.egse_ltf.du1.avg.cal.ps f15.x
mv scia_02091998_172002879.egse_ltf.du1.log f16.x
mv scia_02091998_172002879.egse_ltf.du1.rel_std.cal f17.x
mv scia_02091998_172002879.egse_ltf.du1.rel_std.cal.ps f18.x
mv scia_02091998_172002879.egse_ltf.du1.std.cal f19.x
mv scia_02091998_172002879.egse_ltf.du1.std.cal.ps f20.x
mv scia_02091998_172002879.egse_ltf.du2.avg.cal f21.x
mv scia_02091998_172002879.egse_ltf.du2.log f22.x
mv scia_02091998_172002879.egse_ltf.m4240.avg.cal f23.x
mv scia_02091998_172002879.egse_ltf.m4240.avg.cal.ps f24.x
mv scia_02091998_172002879.egse_ltf.m4240.log f25.x
mv scia_02091998_172002879.egse_ltf.m4240.rel_std.cal f26.x
mv scia_02091998_172002879.egse_ltf.m4240.rel_std.cal.ps f27.x
mv scia_02091998_172002879.egse_ltf.m4240.std.cal f28.x
mv scia_02091998_172002879.egse_ltf.m4240.std.cal.ps f29.x
mv scia_02091998_172002879.egse_ltf.m4247.avg.cal f30.x
mv scia_02091998_172002879.egse_ltf.m4247.avg.cal.ps f31.x
mv scia_02091998_172002879.egse_ltf.m4247.log f32.x
mv scia_02091998_172002879.egse_ltf.m4247.rel_std.cal f33.x
mv scia_02091998_172002879.egse_ltf.m4247.rel_std.cal.ps f34.x
mv scia_02091998_172002879.egse_ltf.m4247.std.cal f35.x
mv scia_02091998_172002879.egse_ltf.m4247.std.cal.ps f36.x
mv scia_02091998_172002879.egse_ltf.m4254.avg.cal f37.x
mv scia_02091998_172002879.egse_ltf.m4254.log f38.x
mv scia_02091998_172002879.egse_ltf.m4261.avg.cal f39.x
mv scia_02091998_172002879.egse_ltf.m4261.log f40.x
mv scia_02091998_172002879.egse_ltf.m4268.avg.cal f41.x
mv scia_02091998_172002879.egse_ltf.m4268.log f42.x
mv scia_02091998_172002879.egse_ltf.m4275.avg.cal f43.x
mv scia_02091998_172002879.egse_ltf.m4275.log f44.x
mv scia_02091998_172002879.egse_ltf.m4282.avg.cal f45.x
mv scia_02091998_172002879.egse_ltf.m4282.log f46.x
mv scia_02091998_172002879.egse_ltf.m4289.avg.cal f47.x
mv scia_02091998_172002879.egse_ltf.m4289.log f48.x
mv scia_02091998_172002879.egse_ltf.m4296.avg.cal f49.x
mv scia_02091998_172002879.egse_ltf.m4296.log f50.x
mv scia_02091998_172002879.egse_ltf.m4303.avg.cal f51.x
mv scia_02091998_172002879.egse_ltf.m4303.log f52.x
mv scia_02091998_172002879.egse_ltf.m4311.avg.cal f53.x
mv scia_02091998_172002879.egse_ltf.m4311.log f54.x
mv scia_02091998_172002879.egse_ltf.m4319.avg.cal f55.x
mv scia_02091998_172002879.egse_ltf.m4319.log f56.x
mv scia_02091998_172002879.egse_ltf.m4329.avg.cal f57.x
mv scia_02091998_172002879.egse_ltf.m4329.log f58.x
mv scia_02091998_172002879.egse_ltf.m4338.avg.cal f59.x
mv scia_02091998_172002879.egse_ltf.m4338.log f60.x
mv scia_02091998_172002879.egse_ltf.m4347.avg.cal f61.x
mv scia_02091998_172002879.egse_ltf.m4347.log f62.x
```

```
mv scia_02091998_172002879.egse_ltf.m4356.avg.cal f63.x
mv scia_02091998_172002879.egse_ltf.m4356.log f64.x
mv scia_02091998_172002879.egse_ltf.m4365.avg.cal f65.x
mv scia_02091998_172002879.egse_ltf.m4365.log f66.x
mv scia_02091998_172002879.egse_ltf.m4374.avg.cal f67.x
mv scia_02091998_172002879.egse_ltf.m4374.log f68.x
mv scia_02091998_172002879.egse_ltf.m4383.avg.cal f69.x
mv scia_02091998_172002879.egse_ltf.m4383.log f70.x
mv scia_02091998_172002879.egse_ltf.m4392.avg.cal f71.x
mv scia_02091998_172002879.egse_ltf.m4392.log f72.x
mv scia_02091998_172002879.egse_ltf.m4400.avg.cal f73.x
mv scia_02091998_172002879.egse_ltf.m4400.log f74.x
mv scia_02091998_172002879.egse_ltf.m4421.avg.cal f75.x
mv scia_02091998_172002879.egse_ltf.m4421.log f76.x
mv scia_02091998_172002879.egse_ltf.m4442.avg.cal f77.x
mv scia_02091998_172002879.egse_ltf.m4442.log f78.x
mv scia_02091998_172002879.egse_ltf.m4463.avg.cal f79.x
mv scia_02091998_172002879.egse_ltf.m4463.log f80.x
mv scia_02091998_172002879.egse_ltf.m4484.avg.cal f81.x
mv scia_02091998_172002879.egse_ltf.m4484.log f82.x
mv scia_02091998_172002879.egse_ltf.m4505.avg.cal f83.x
mv scia_02091998_172002879.egse_ltf.m4505.log f84.x
mv scia_02091998_172002879.egse_ltf.m4526.avg.cal f85.x
mv scia_02091998_172002879.egse_ltf.m4526.log f86.x
mv scia_02091998_172002879.egse_ltf.m4547.avg.cal f87.x
mv scia_02091998_172002879.egse_ltf.m4547.log f88.x
mv scia_02091998_172002879.egse_ltf.m4568.avg.cal f89.x
mv scia_02091998_172002879.egse_ltf.m4568.log f90.x
mv scia_02091998_172002879.egse_ltf.m4589.avg.cal f91.x
mv scia_02091998_172002879.egse_ltf.m4589.log f92.x
mv scia_02091998_172002879.egse_ltf.m4610.avg.cal f93.x
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mv scia_02091998_172002879.egse_ltf.m4620.avg.cal f95.x
mv scia_02091998_172002879.egse_ltf.m4620.log f96.x
mv scia_02091998_172002879.egse_ltf.m4630.avg.cal f97.x
mv scia_02091998_172002879.egse_ltf.m4630.log f98.x
mv scia_02091998_172002879.egse_ltf.m4640.avg.cal f99.x
mv scia_02091998_172002879.egse_ltf.m4640.log f100.x
mv scia_02091998_172002879.egse_ltf.m4650.avg.cal f101.x
mv scia_02091998_172002879.egse_ltf.m4650.log f102.x
mv scia_02091998_185929130.dat f103.x
mv scia_02091998_203935349.dat f104.x
mv scia_02091998_221943320.dat f105.x
```

LOG SHEET SCHIAMACHY CALIBRATION

Date/Time	Description of action	Measurement directory
3/9/98	02:00 Stray UV-Vis meting beeindigd en geanalyseerd 02:00 Stray VisIR gestart. 02:45 geen signaal zichtbaar in Quick-look, meting gestopt en probleem opgelost. → slit verkeerd om. 03:00 fout melding lay opnieuw opgestarten, Egse-operator moet dit melden volgens ~~mail~~ melding van Peter, waarna een dump van de cue gemaakt zal worden door ingehuurde software Pipo 04:00 Stray VisIR opnieuw opgestart. * Pet ~~EG~~ voor ch 3. ~~*~~ moet op 4 i.p.v 2 Meting gaat over * Pet voor ch 6. moet op 0,125 i pv 0,25 ** ESM anomaly occured during mmm ff (3x)	

Formal Run of Measurement

(Measurement ID) Stray_VisIR

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	49									
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	64	1						
2a	64	1						
3	2	32						
4	~~0.5~~	64	1	64				
5	1	64						
6	0.25	64						
7	2	32						
8	2	32						
State ID								

Step 16.3
Stray_VisIR
UID 27

→ should be PET = 4 COADD = 16
2 32

→ PET = 0,125
64
0,25

is net verzadigd. overview.

van 17000 ↓ 34.000 voorwaarts

Stimuli Settings for Existing Blocks in Measurement

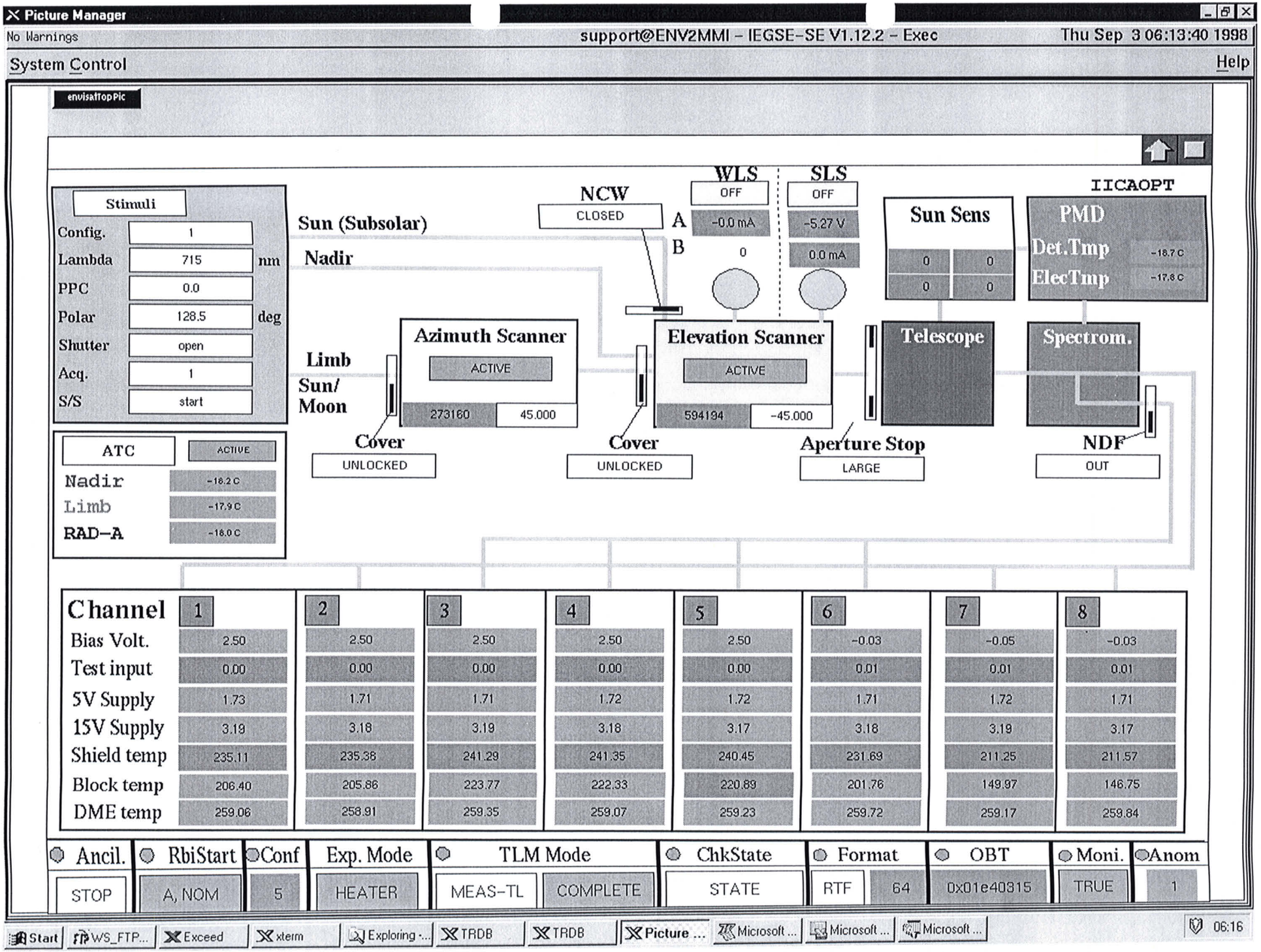
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup time [s]
1	1	0	128.5	close		550	550	0	1	DU1	50
2	1	0	128.5	open		550	550	0	1	M4 ~	8
3	1	0	128.5	open		560	610	10	1	M4 ~	3
4	1	0	128.5	open		625	790	15	1	M4 ~	3
5	1	0	128.5	open		805	1025	20	1	M4 ~	3
6	1	0	128.5	open		1095	1655	70	1	M4 ~	3
7	1	0	128.5	open		1725	1750	25	1	M4 ~	3
8	1	0	128.5	close		1750	1750	0	1	DU2	8

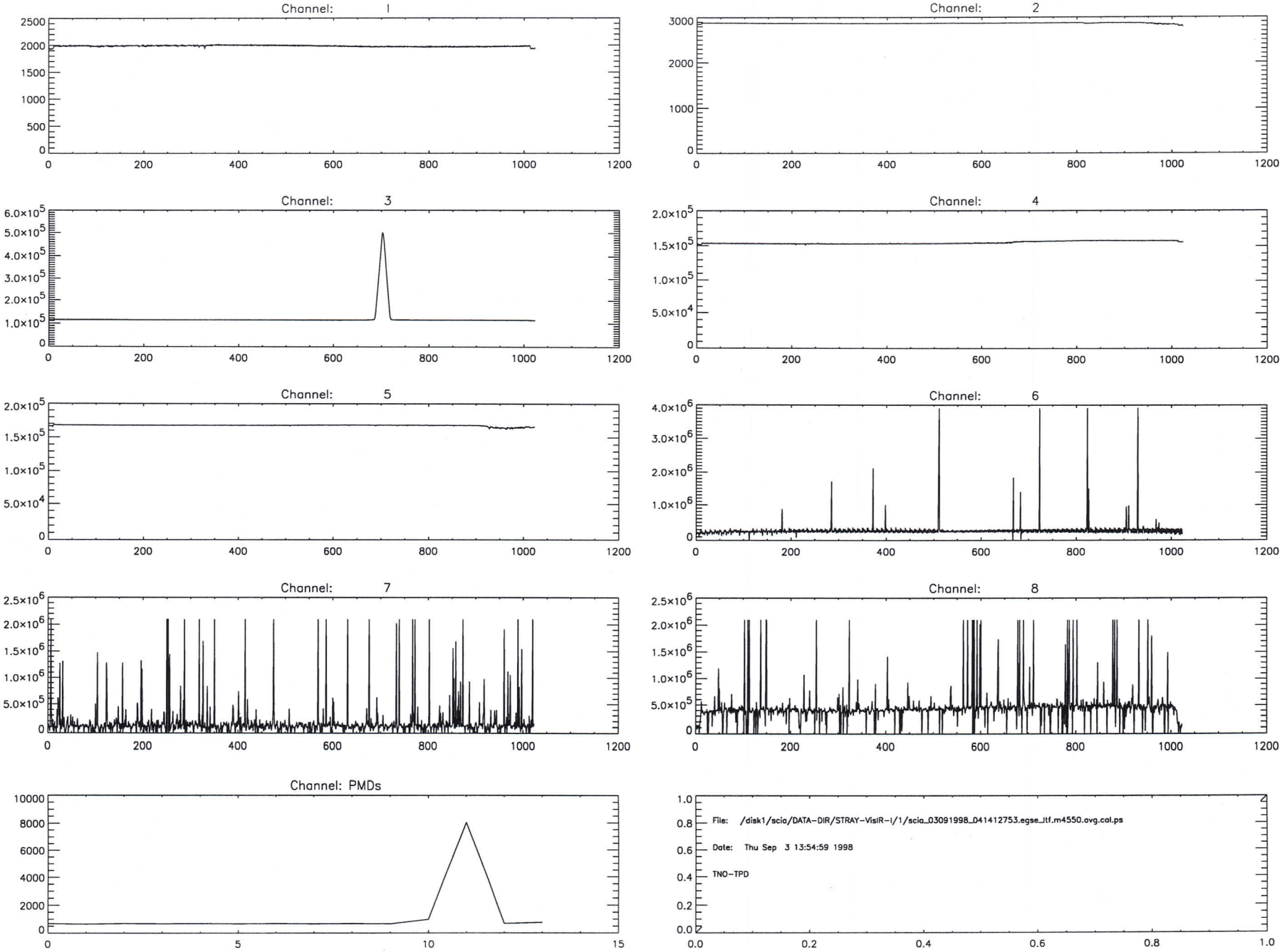
Measurement Data Description

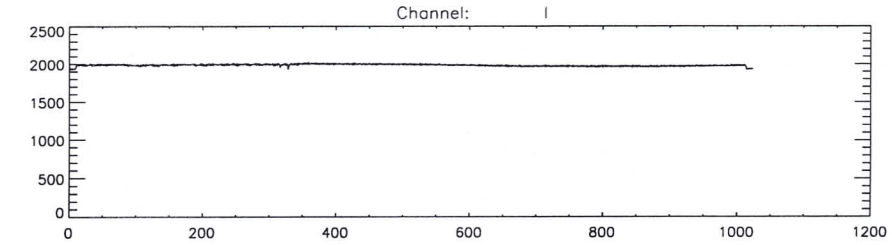
Test Purpose	
Remark	UID 27
Data Directory	0246_04.09.42_STRAY_VIS_IR

Signatures

	Date	Signature
Issued	3/9/98	[signature]
< Performed	3-9-98	[signature]


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Thu Sep 3 06:13:40 1998
System Control
Help
envisatTopPic
Stimuli
Config. 1
Lambda 715 nm
PPC 0.0
Polar 128.5 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
-5.27 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
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 235.11 235.38 241.29 241.35 240.45 231.69 211.25 211.57
Block temp 206.40 205.86 223.77 222.33 220.89 201.76 149.97 146.75
DME temp 259.06 258.91 259.35 259.07 259.23 259.72 259.17 259.84
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 64
OBT 0x01e40315
Moni. TRUE
Anom 1
Start
WS_FTP...
Exceed
xterm
Exploring -...
TRDB
TRDB
Picture ...
Microsoft ...
Microsoft ...
Microsoft ...
06:16


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4550.avg.cal.ps
Date: Thu Sep 3 13:54:59 1998
TNO-TPD


Channel: 1
2500
2000
1500
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500
0
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200
400
600
800
1000
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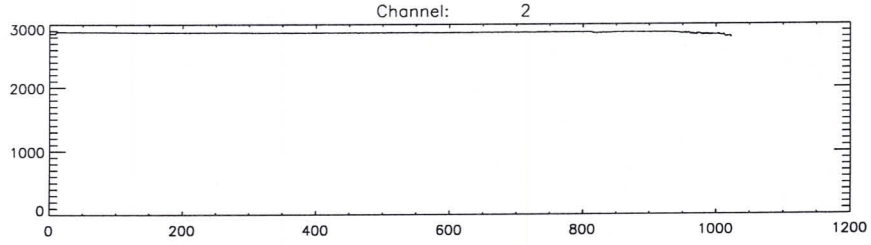
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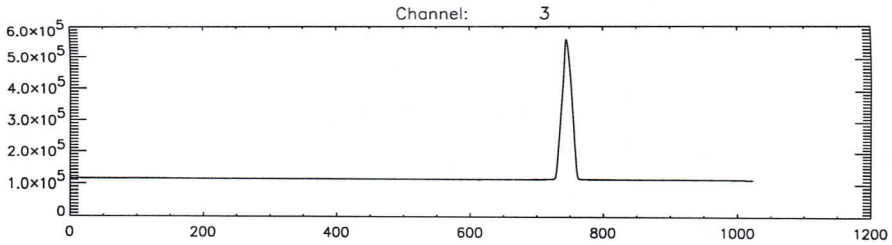
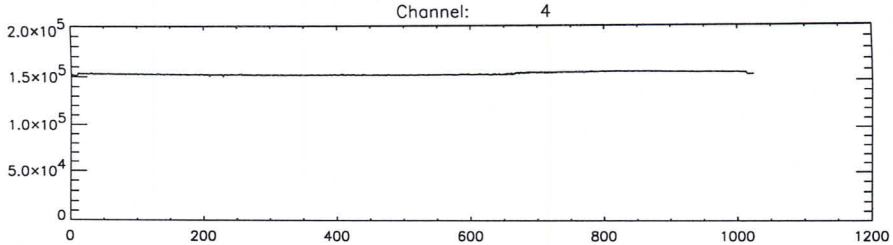
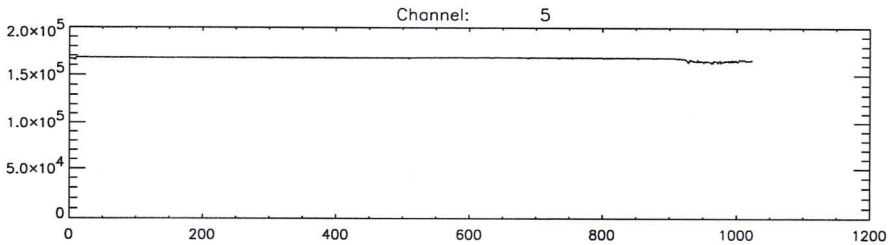
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
6.0x10^5
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
0
0
200
400
600
800
1000
1200


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


Channel: 5
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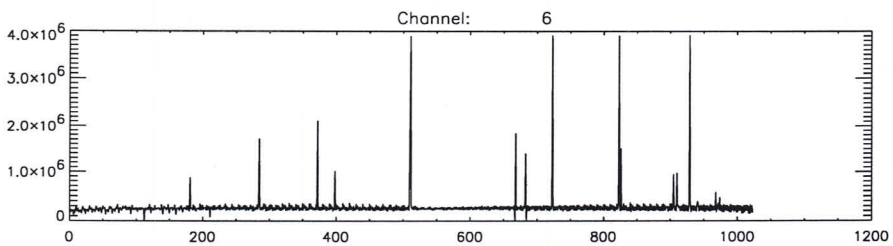
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200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3.0x10^6
2.0x10^6
1.0x10^6
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0
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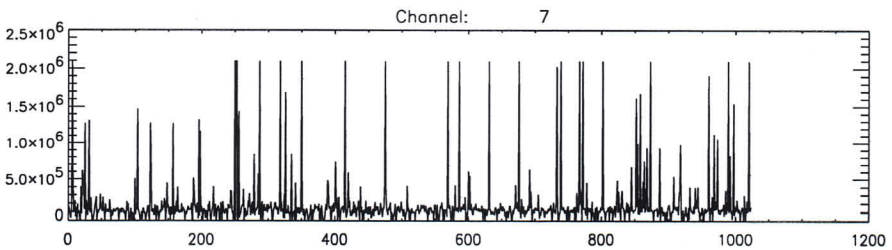
400
600
800
1000
1200


Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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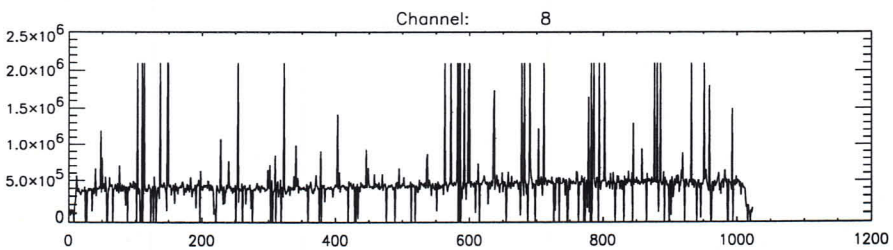
400
600
800
1000
1200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1.0x10^6
5.0x10^5
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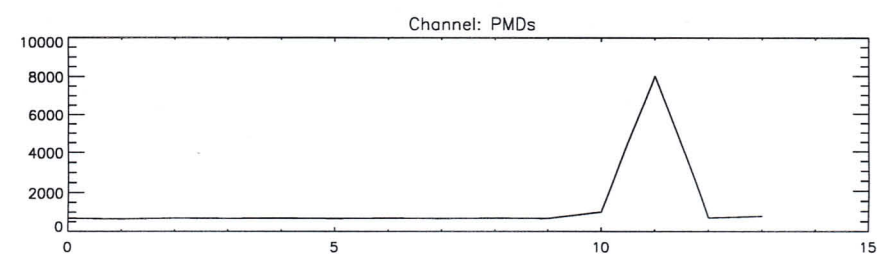
1000
1200


Channel: PMDs
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6000
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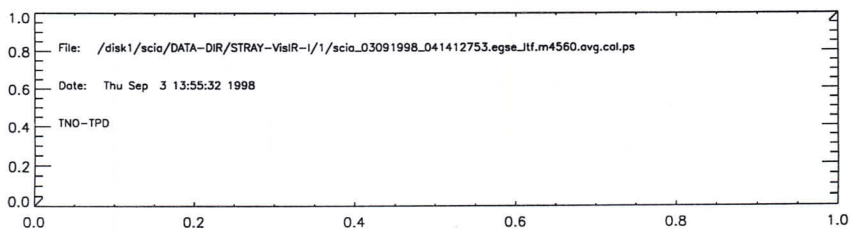
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4560.avg.cal.ps
Date: Thu Sep 3 13:55:32 1998
TNO-TPD

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 030998-	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_0309998_04141253.dat 06105767.8 dat 07535422.dat 09305781[illegible].dat (A)	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	cd ~/DATA-DIR/STRAY-VisIR-I/ ; 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 (B) 1 (C) Y / N	Note: In window DATA-DIR
	directory name is:	~/DATA-DIR/STRAY-VisIR-I/<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-0309998-04141253.egse-ltf (D) Y / N	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
Cnstr CAL files	idl run_fastaverscia (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: ls -l *du*.cal		In DATA-DIR Window
	size:	145.998	should be approx 150Kb
	Monochromator ouput:		

`ls -l *mu<lambda>*.avg.cal` (where lambda is a wavelength indicator)

size: 145.998 — should be approx 150Kb
lambda ranges from:
to: 550 to 1750
Note: all files should be present, if not:

(a) Check file <D> using SOLAN and check whether `dremark1` labels are present.
(b) Check if enough disk space is available (Unix command `df k | more`).

Print postscript

Pick a `*.m*<lambda>.avg.cal` file.
`lpr -P<printer> *.avg.cal.ps`
Contents dark file `*du.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents of a file *mu<lambda>.avg.cal.ps should contain a peak signal in corresponding channel (cannot be seen in channels 7 and 8): (Y) / N
Contents of *mu<lambda>.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 too many log files

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).

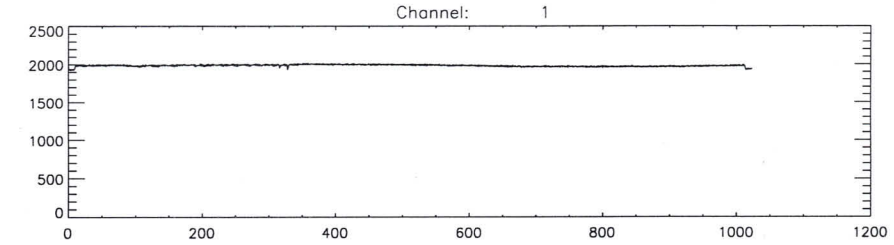
See analysis sheet BackUp

Name of backup CDs 030998 B + C.

[redacted]

Sign:

Name [redacted]
Date and time 03-09-98
Signature [redacted]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1000
500
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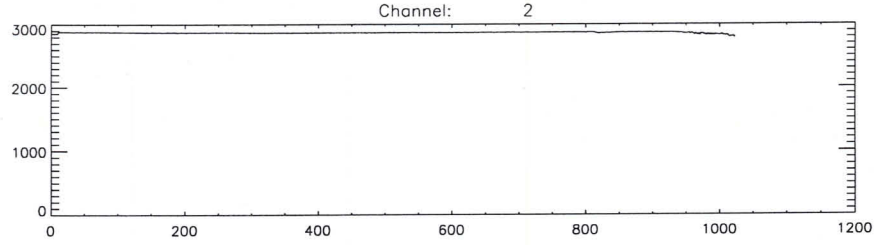
800
1000
1200


Channel: 2
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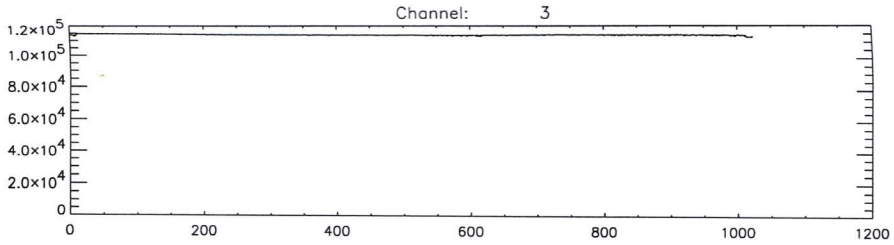
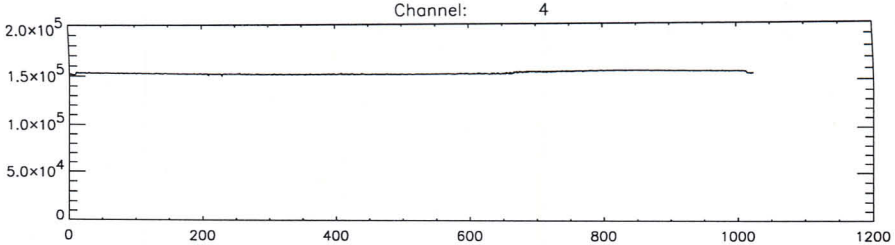
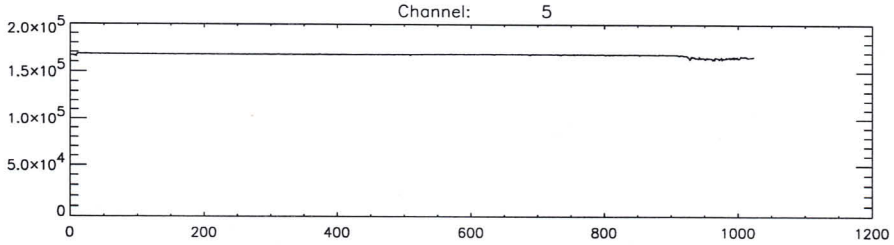
2000
1000
0
0
200
400
600
800
1000
1200


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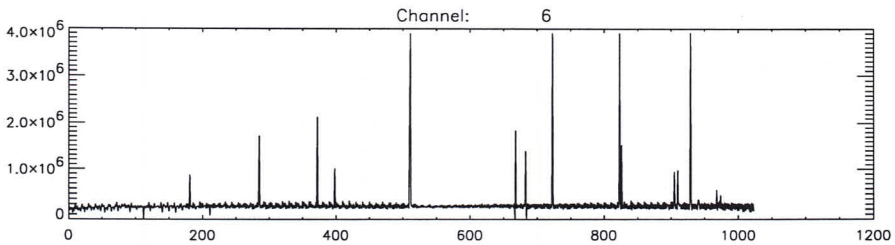
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


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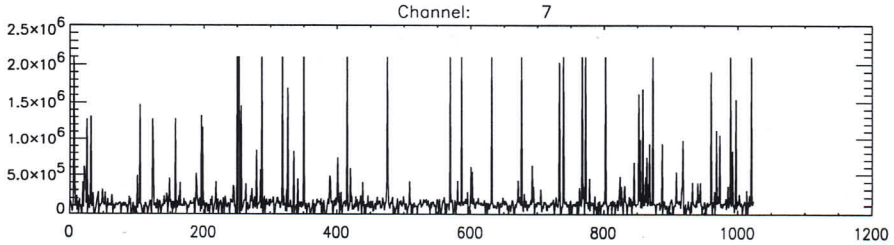
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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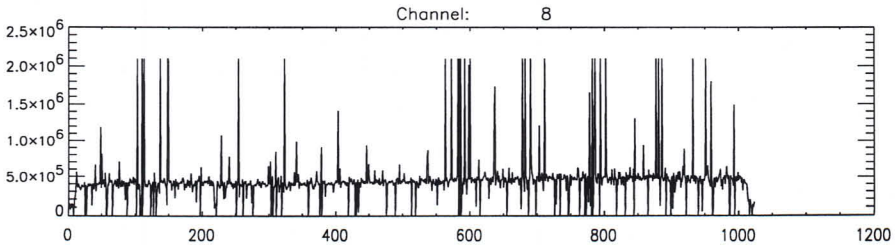
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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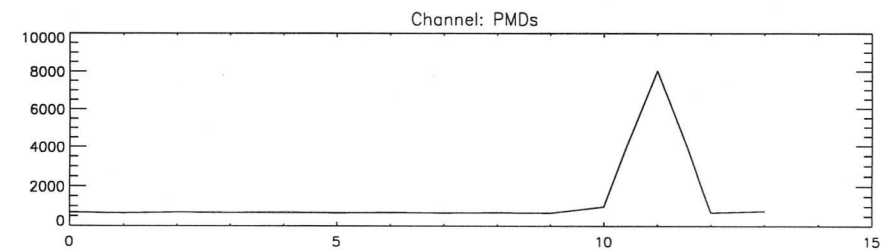
600
800
1000
1200


Channel: PMDs
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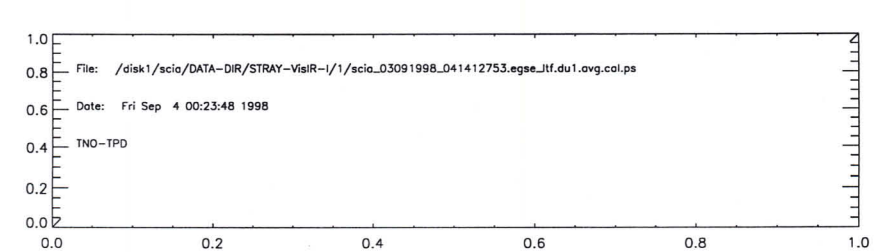
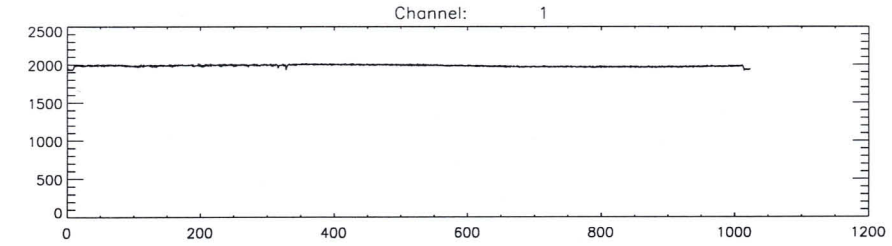
6000
4000
2000
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.du1.avg.cal.ps
Date: Fri Sep 4 00:23:48 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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600
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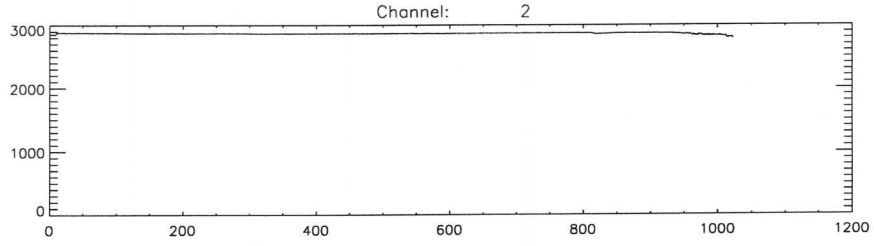
1000
1200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600
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1000
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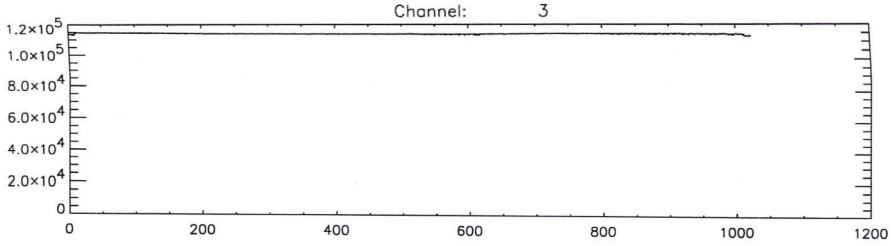
Channel: 3
1.2×10^5
1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
0
0
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400
600
800
1000
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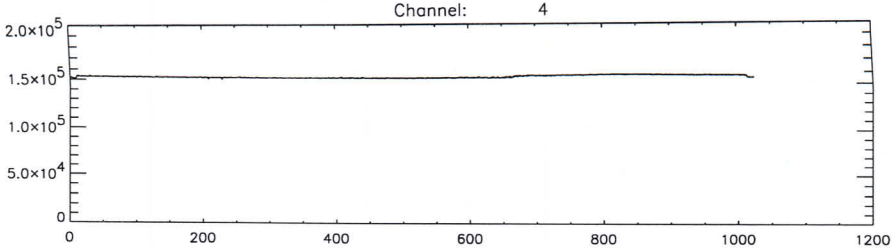
Channel: 4
2.0×10^5
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1.0×10^5
5.0×10^4
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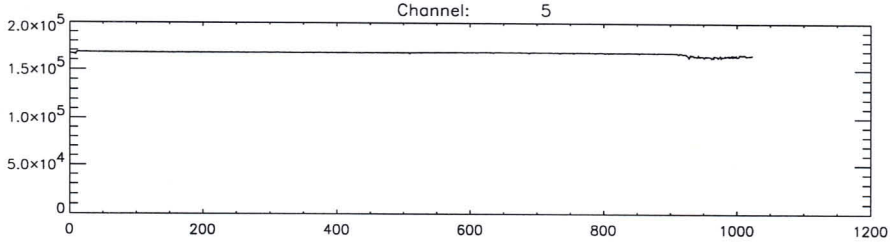
400
600
800
1000
1200


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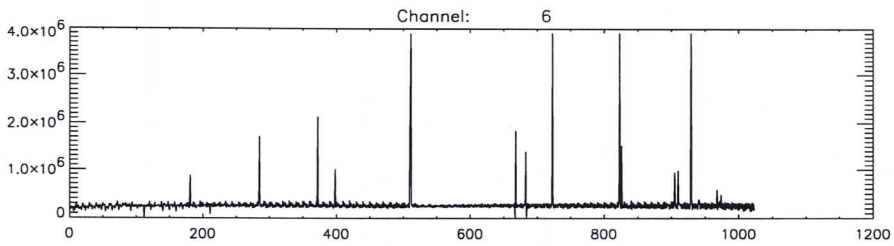
600
800
1000
1200


Channel: 6
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2.0×10^6
1.0×10^6
0
0
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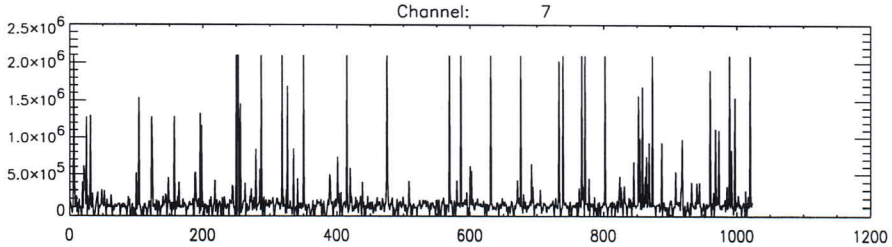
400
600
800
1000
1200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1.0×10^6
5.0×10^5
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1000
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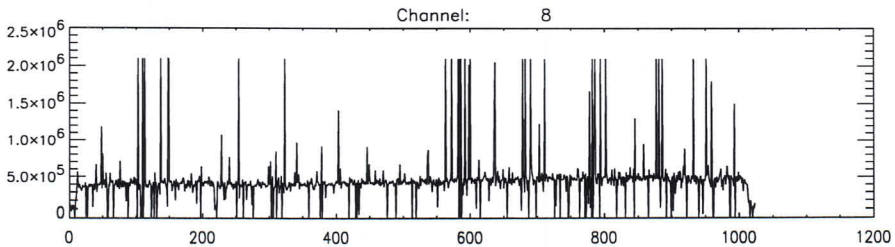
Channel: 8
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1.0×10^6
5.0×10^5
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600
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1000
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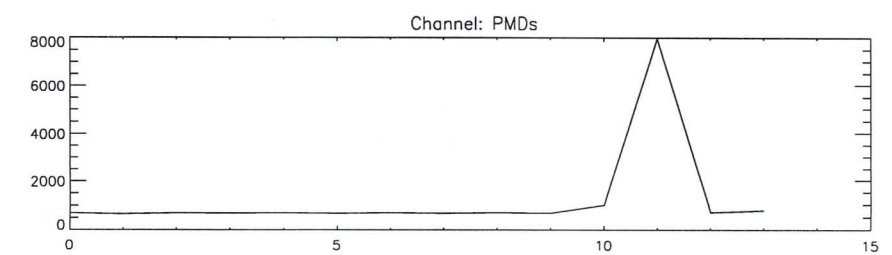
Channel: PMDs
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6000
4000
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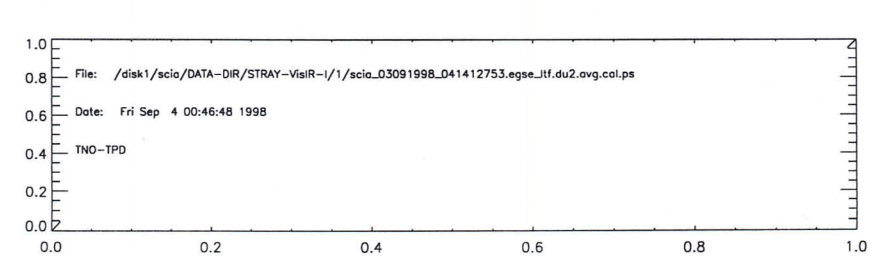
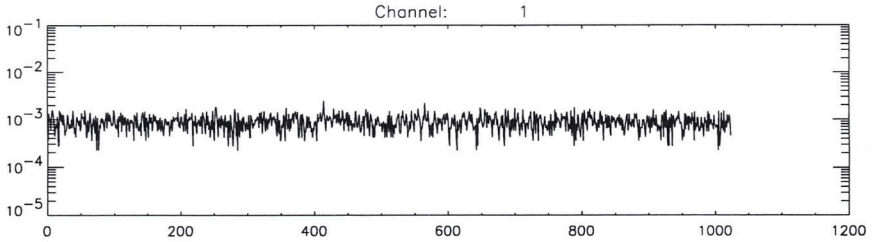
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.du2.avg.cal.ps
Date: Fri Sep 4 00:46:48 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0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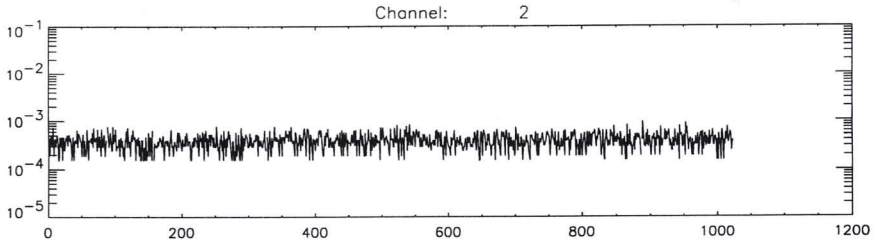
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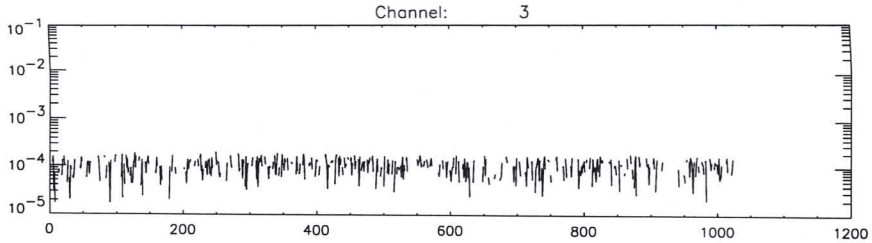
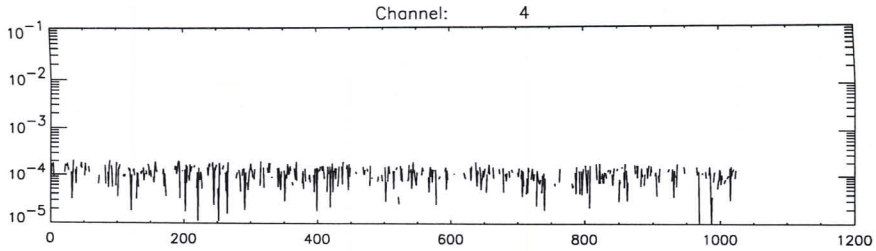
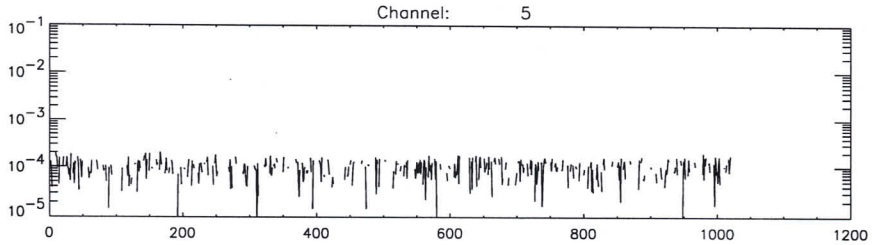
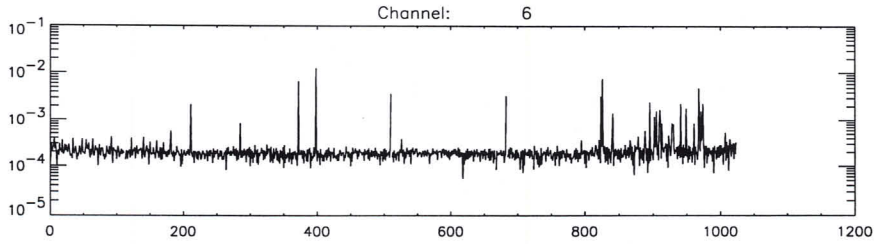
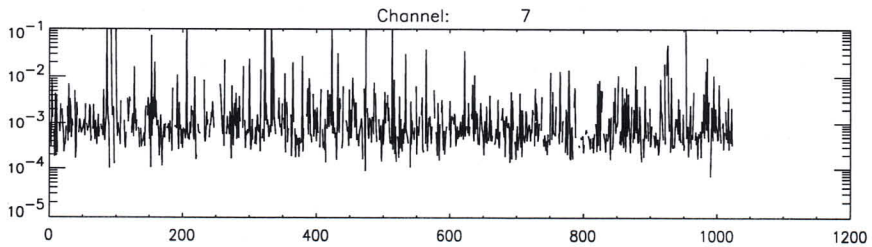
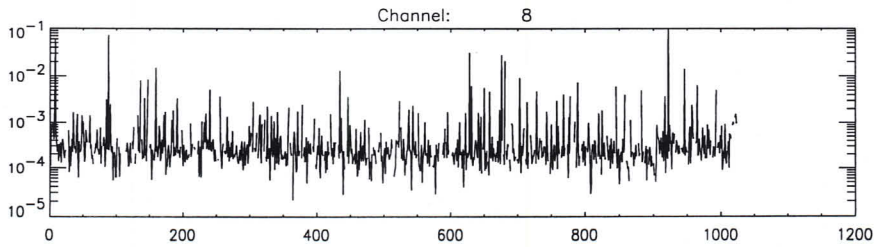

Channel: 3

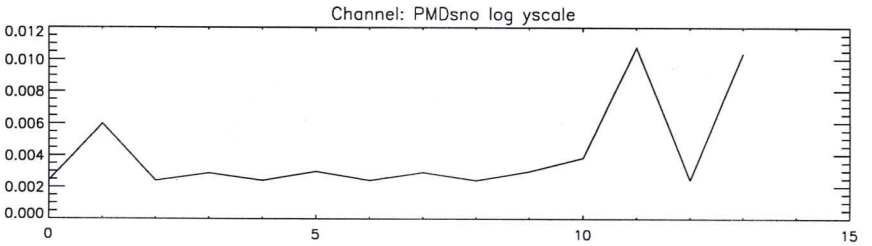

Channel: 4

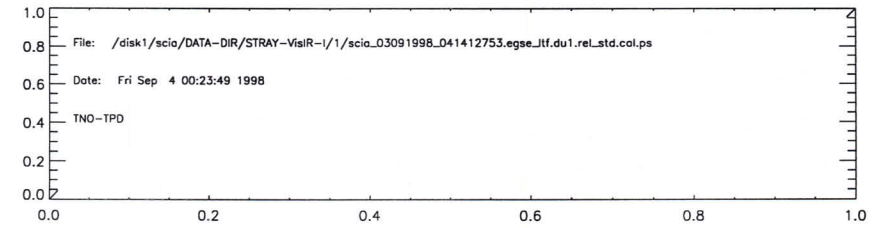

Channel: 5

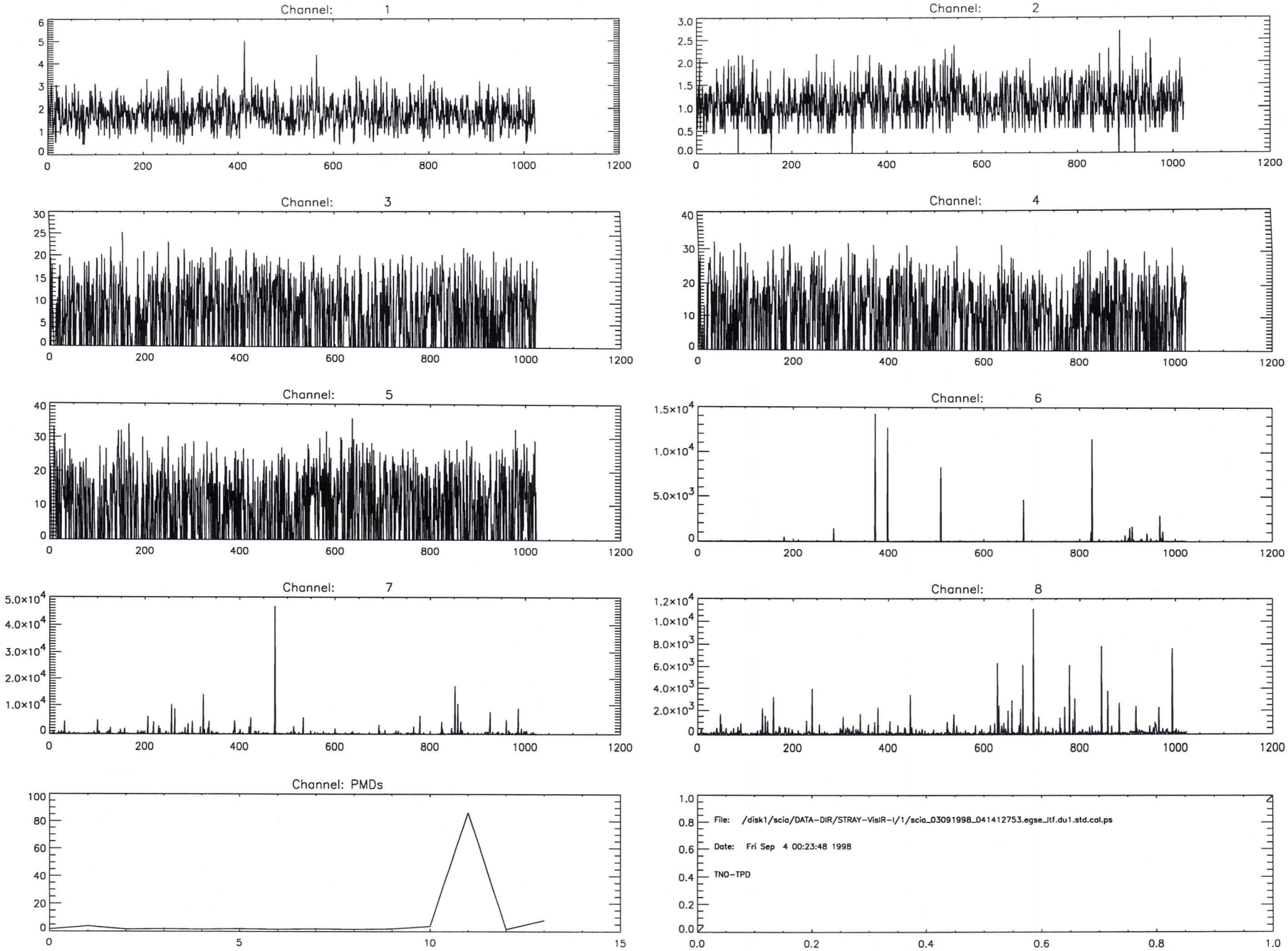

Channel: 6

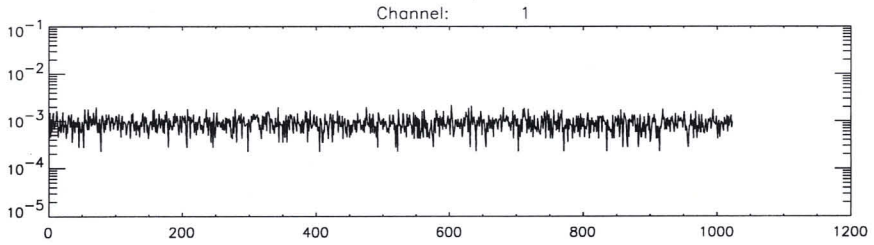

Channel: 7

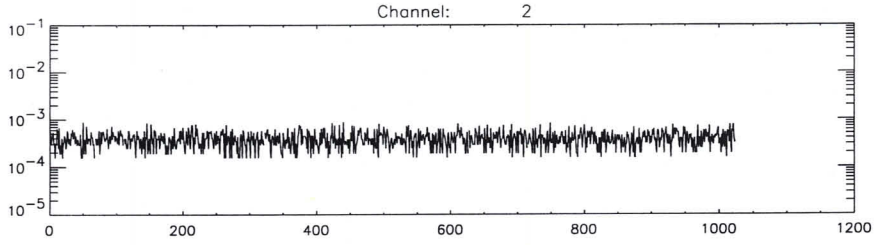

Channel: 8

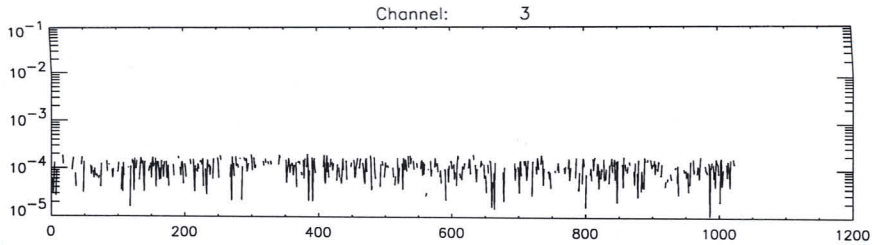

Channel: PMDsno log yscale

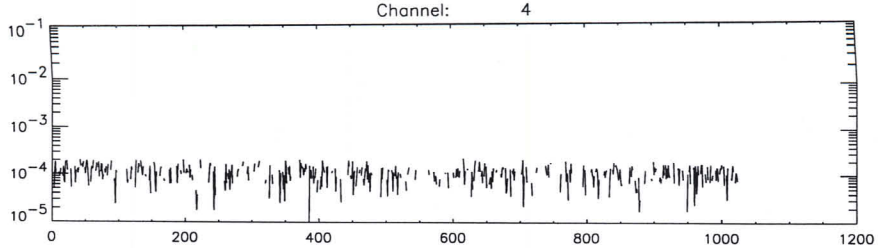

File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.du1.rel_std.col.ps
Date: Fri Sep 4 00:23:49 1998
TNO-TPD

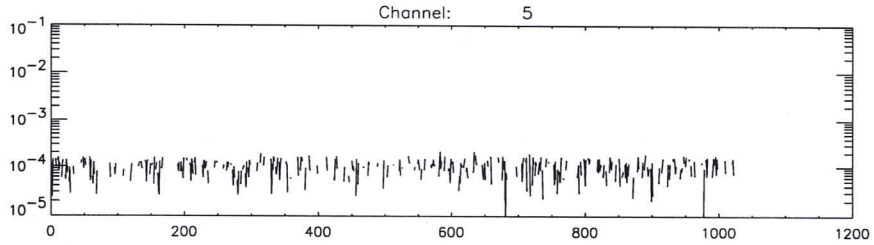

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.du1.std.cal.ps
Date: Fri Sep 4 00:23:48 1998
TNO-TPD

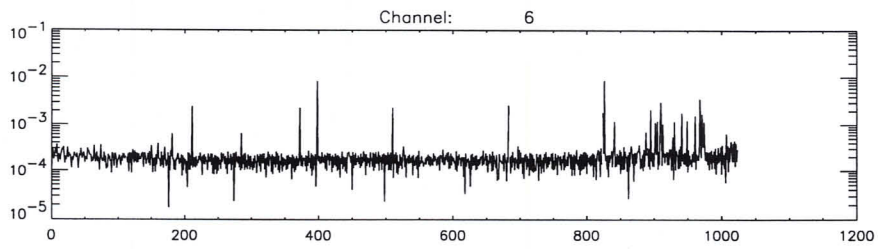

Channel: 1

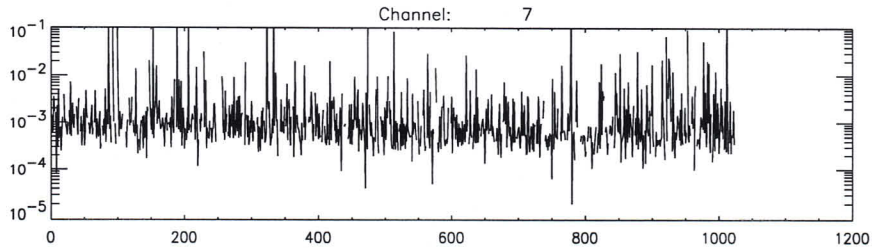

Channel: 2

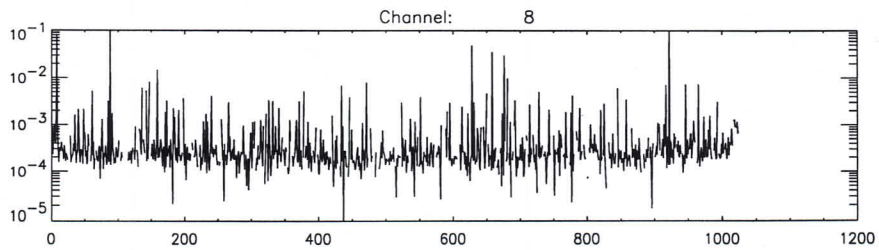

Channel: 3

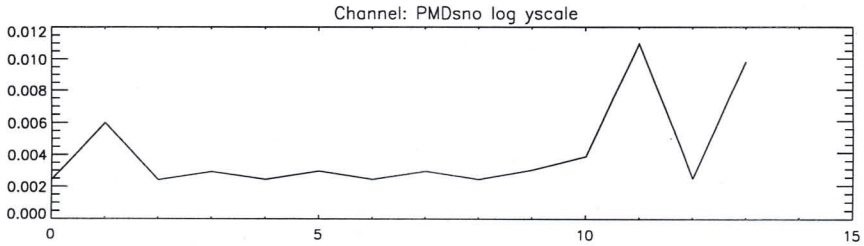

Channel: 4

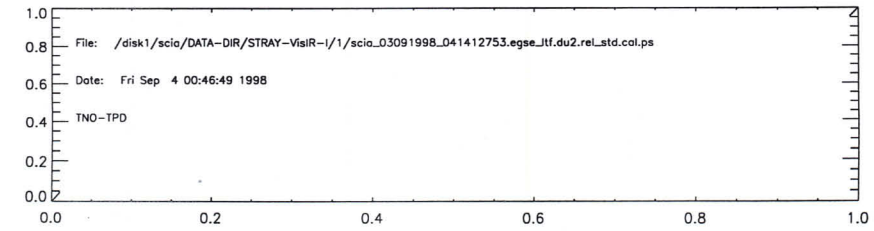

Channel: 5

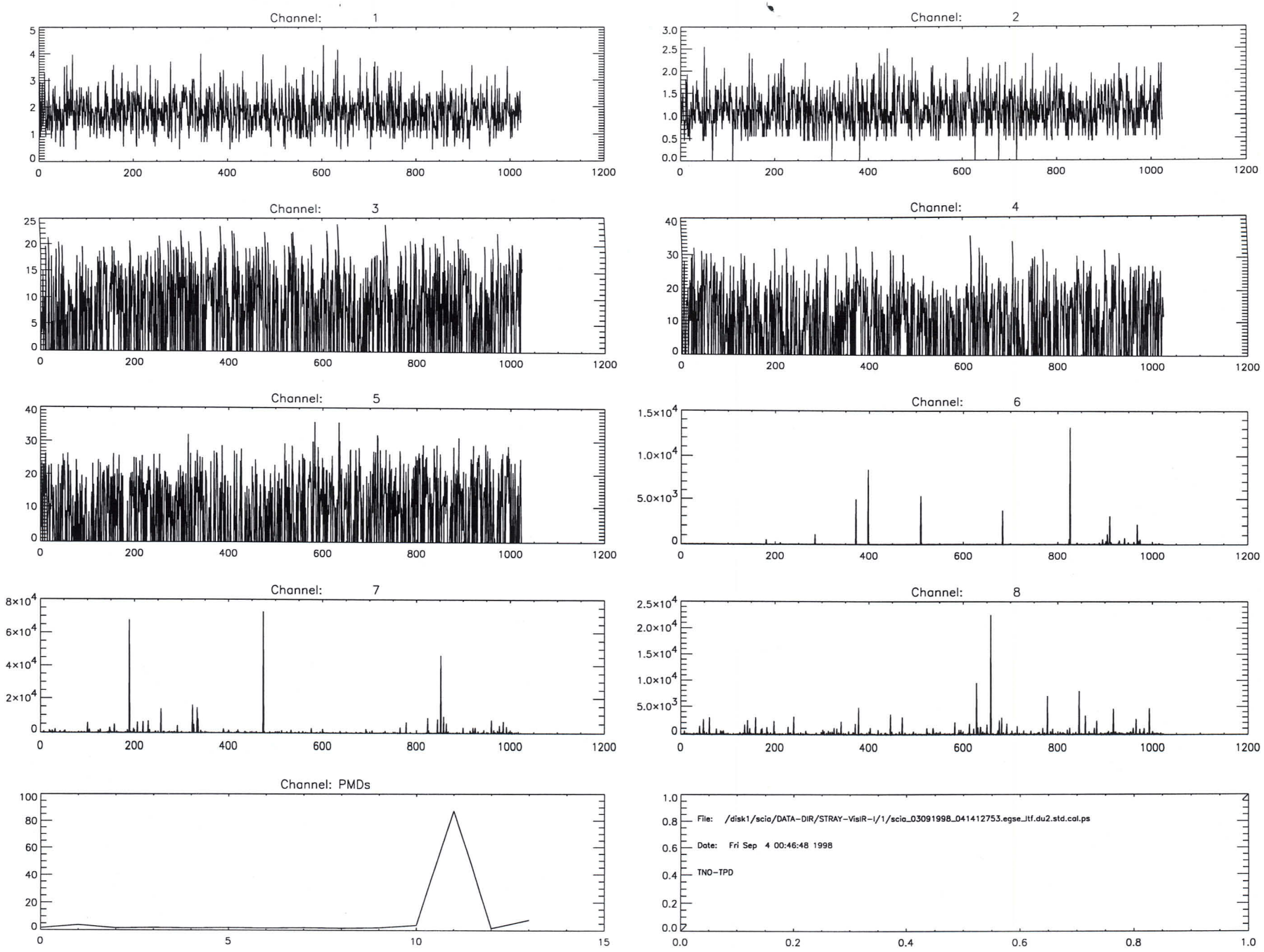

Channel: 6

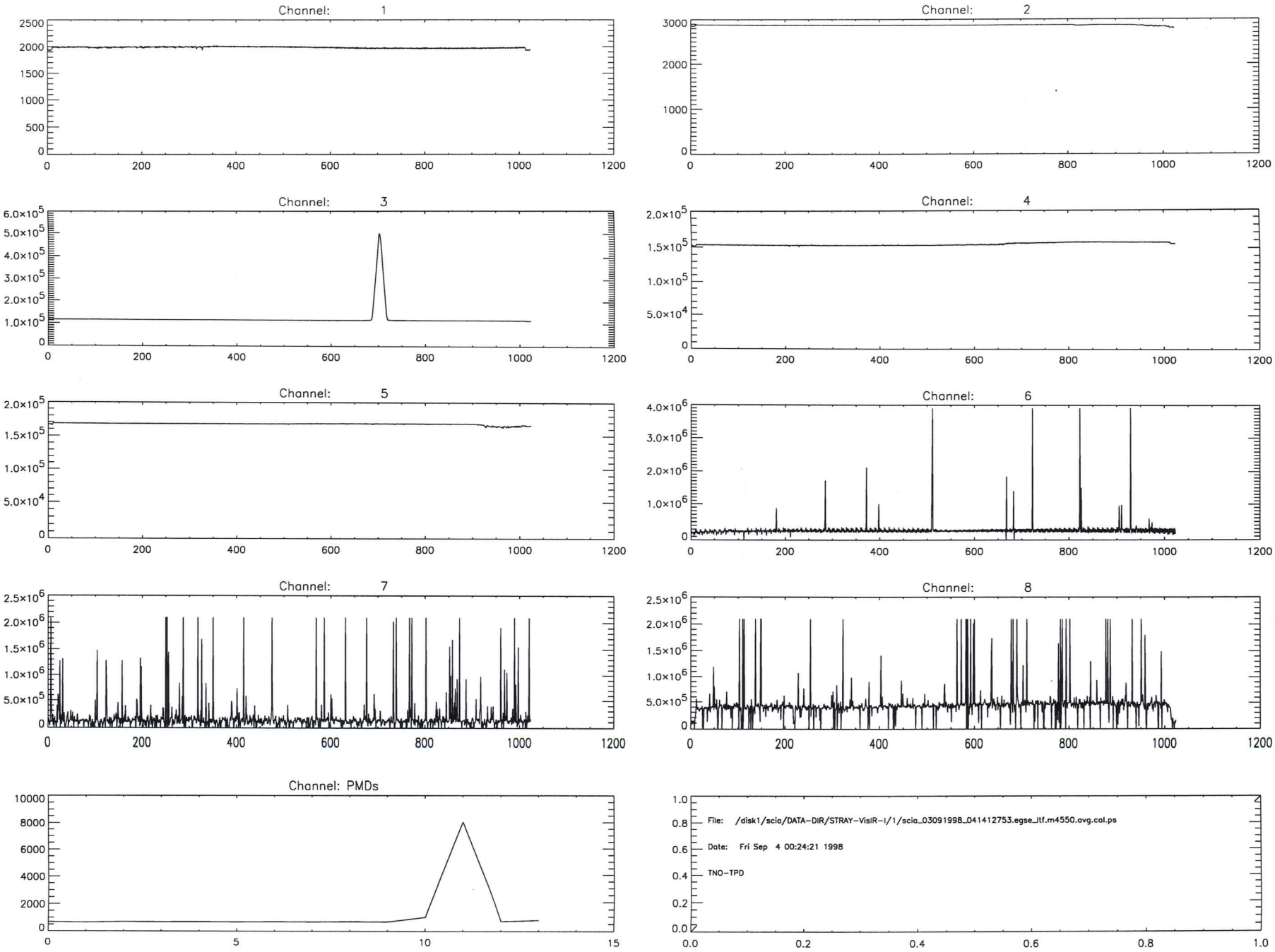

Channel: 7


Channel: 8


Channel: PMDsno log yscale


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.du2.rel_std.cal.ps
Date: Fri Sep 4 00:46:49 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/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.du2.std.cal.ps
Date: Fri Sep 4 00:46:48 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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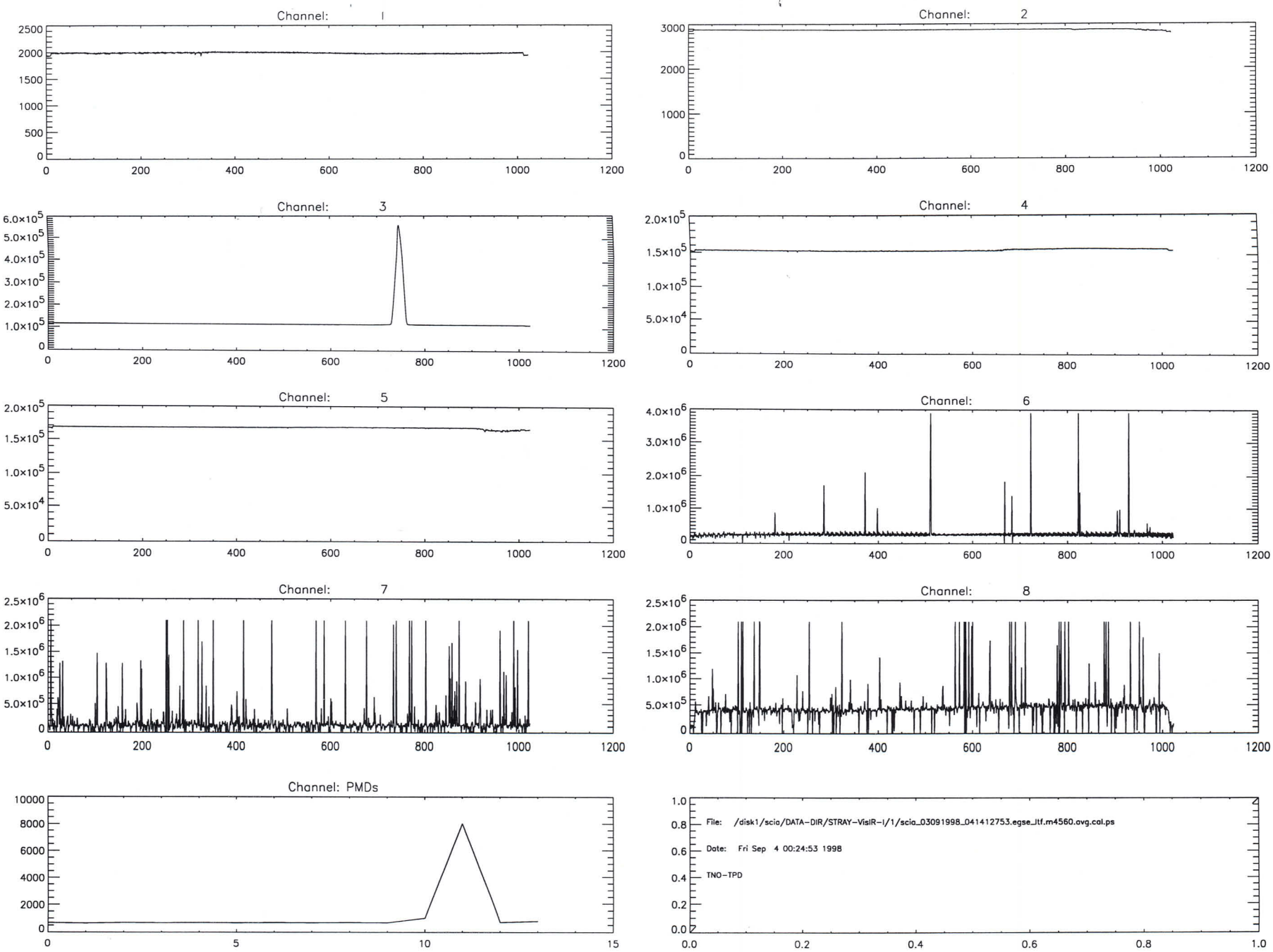
Date: Fri Sep 4 00:24:21 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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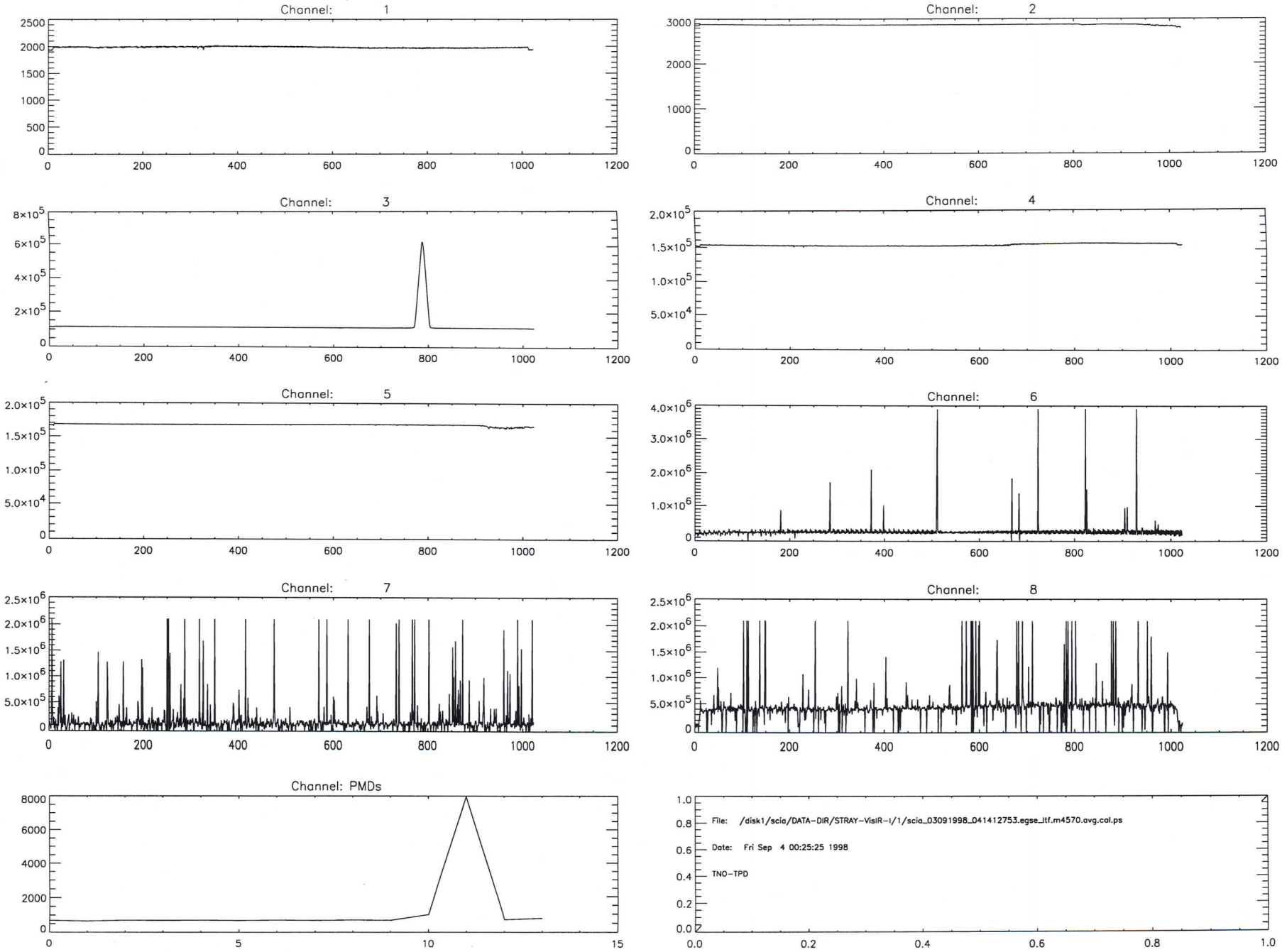
Date: Fri Sep 4 00:24:53 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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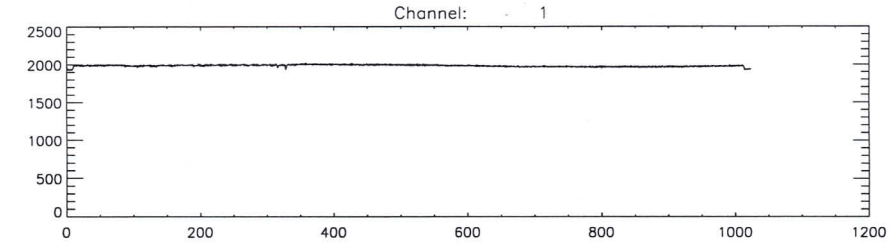
Date: Fri Sep 4 00:25:25 1998
TNO-TPD


Channel: 1
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200
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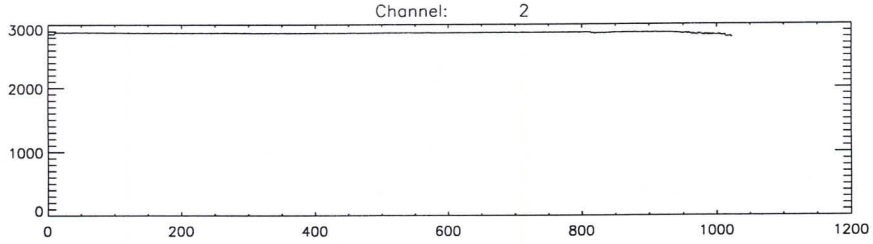
600
800
1000
1200


Channel: 2
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2000
1000
0
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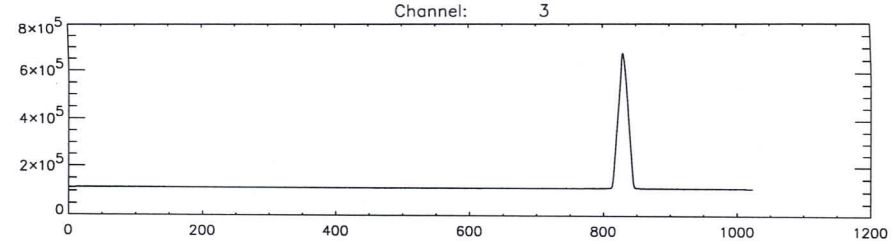
200
400
600
800
1000
1200


Channel: 3
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6×10^5
4×10^5
2×10^5
0
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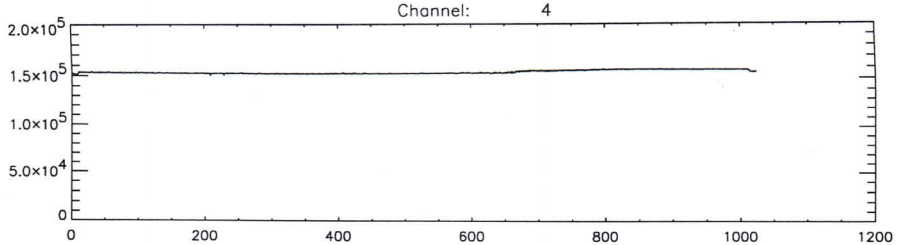
200
400
600
800
1000
1200


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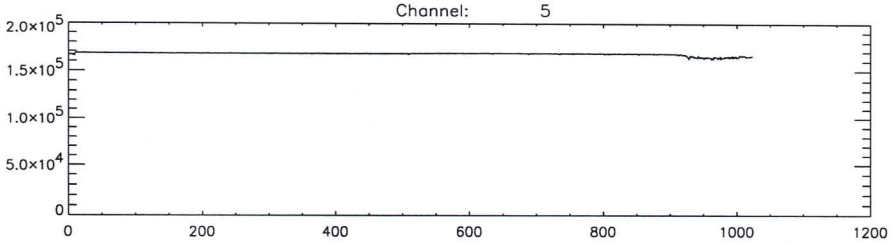
0
200
400
600
800
1000
1200


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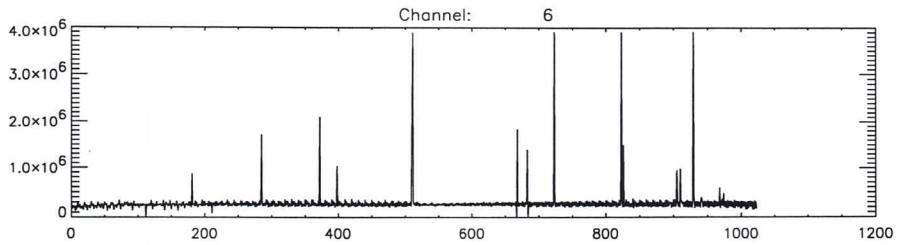
400
600
800
1000
1200


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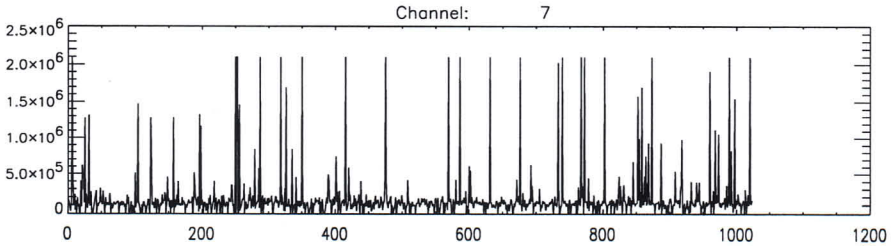
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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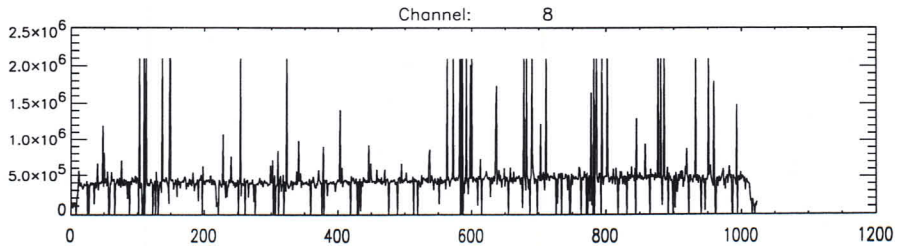
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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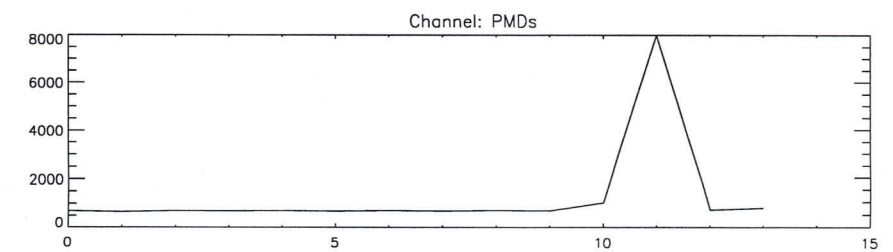
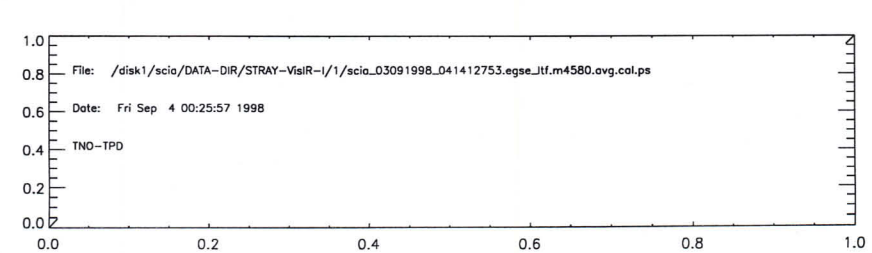
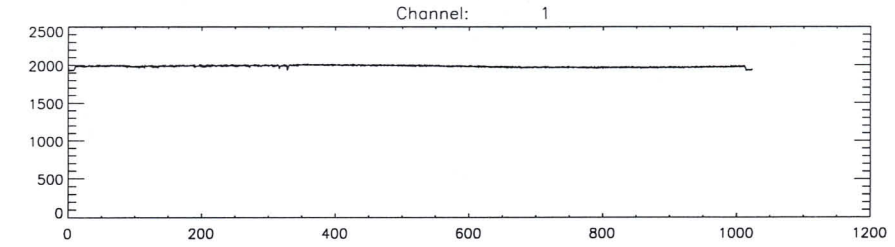
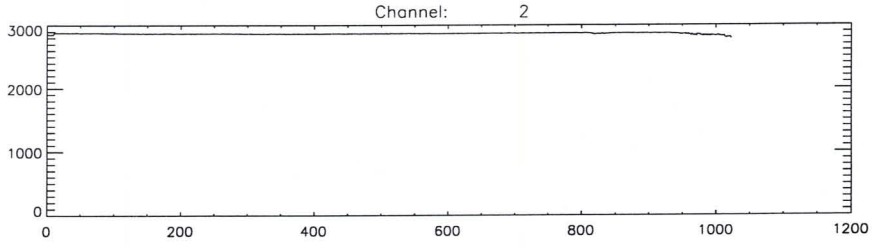
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m4580.avg.cal.ps
Date: Fri Sep 4 00:25:57 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
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200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3000
2000
1000
0
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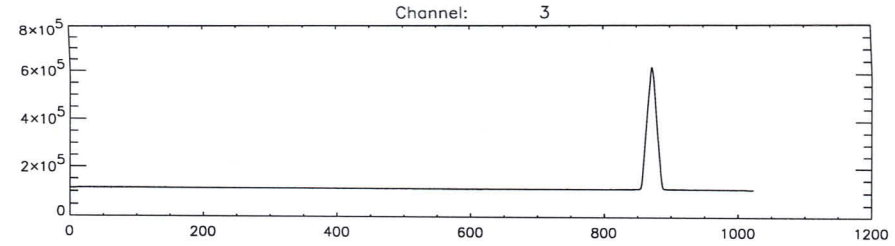
200
400
600
800
1000
1200


Channel: 3
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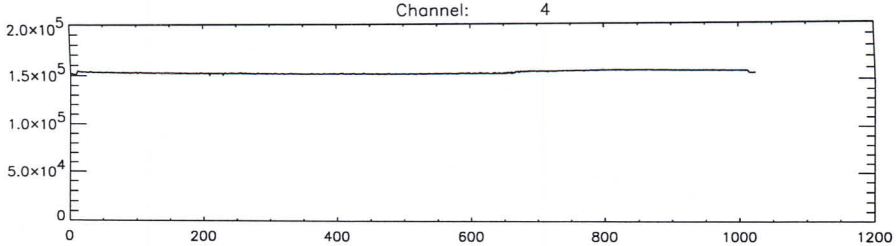
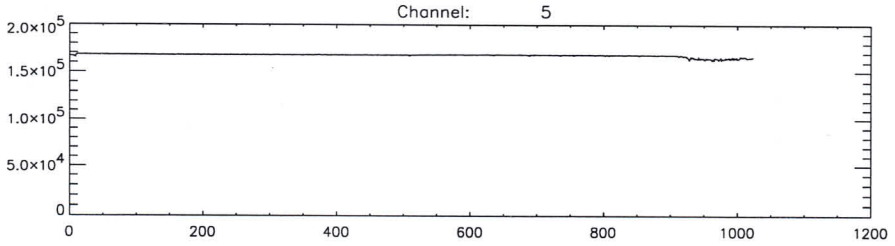
6×10^5
4×10^5
2×10^5
0
0
200
400
600
800
1000
1200


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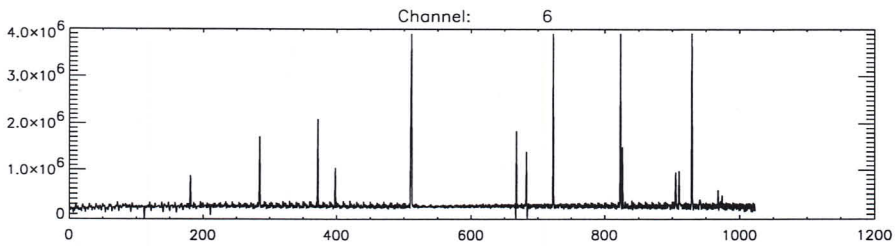
200
400
600
800
1000
1200


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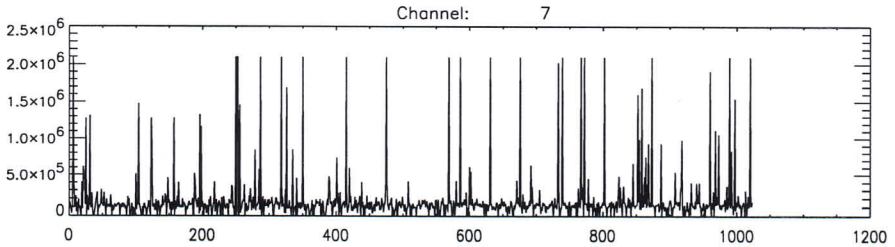
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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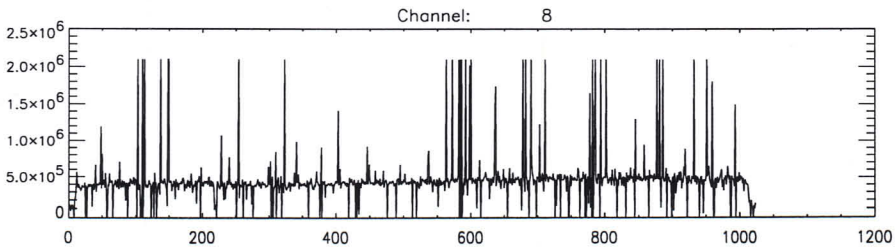
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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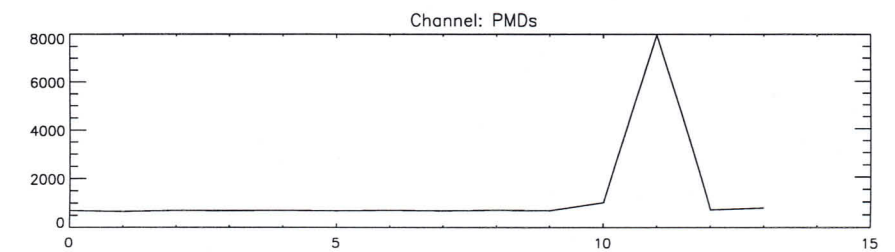
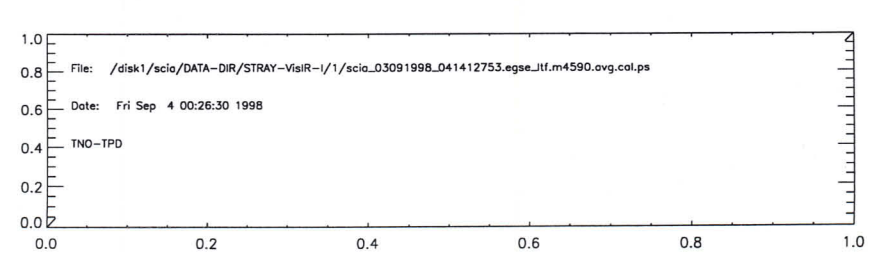
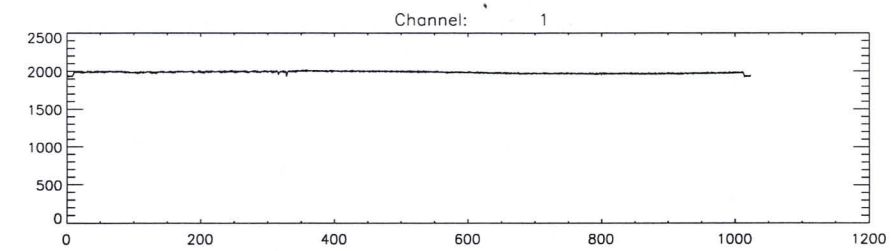
600
800
1000
1200


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


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m4590.avg.cal.ps
Date: Fri Sep 4 00:26:30 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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2000
1500
1000
500
0
0
200
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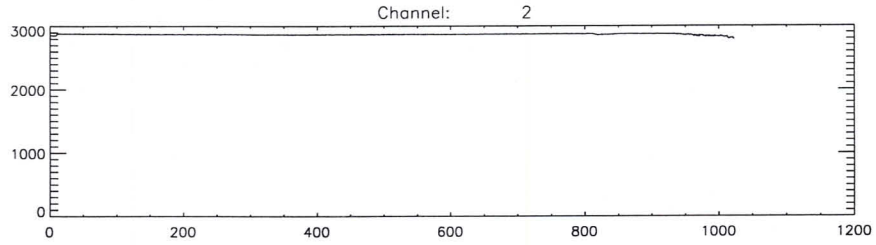
600
800
1000
1200


Channel: 2
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2000
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200
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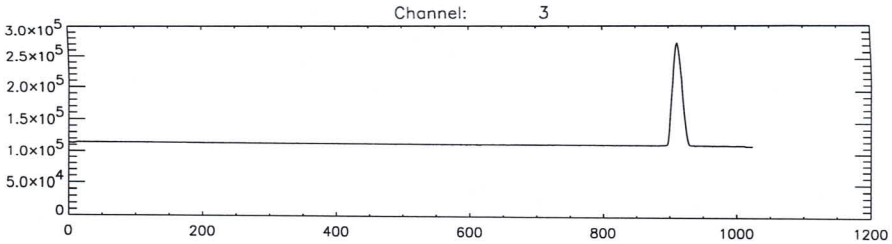
600
800
1000
1200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3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
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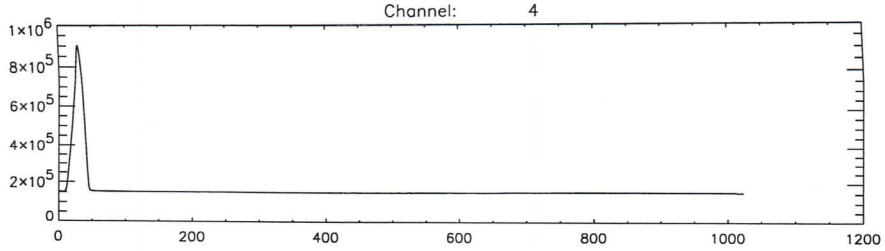
600
800
1000
1200


Channel: 4
1x10^6
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6x10^5
4x10^5
2x10^5
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0
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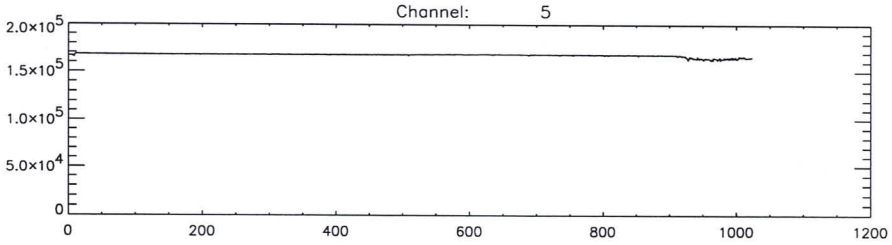
600
800
1000
1200


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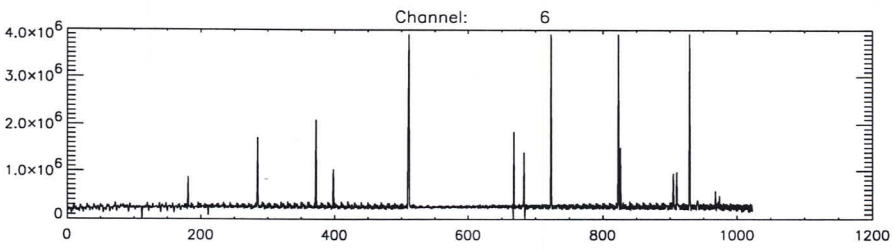
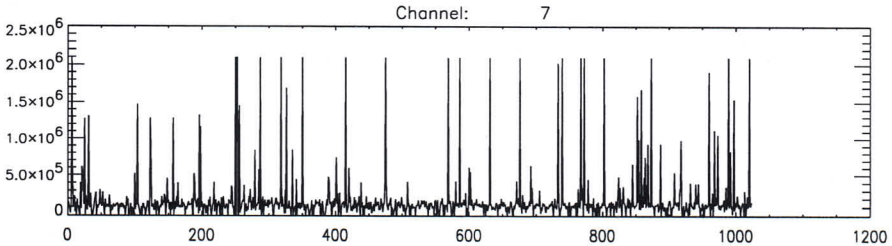
400
600
800
1000
1200


Channel: 6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200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1.5x10^6
1.0x10^6
5.0x10^5
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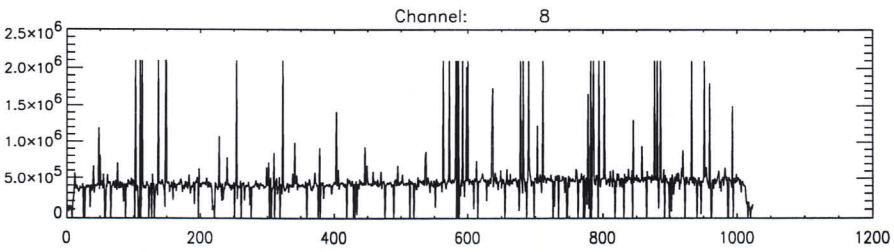
1000
1200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5.0x10^5
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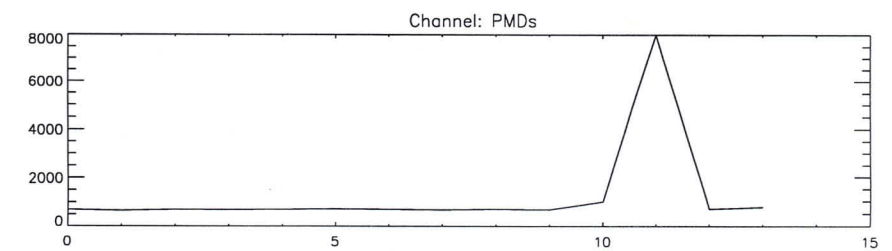
Channel: PMDs
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10
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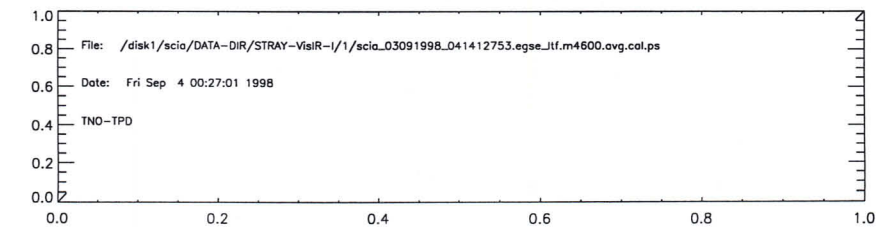
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4600.avg.cal.ps
Date: Fri Sep 4 00:27:01 1998
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0.0
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0.2
0.4
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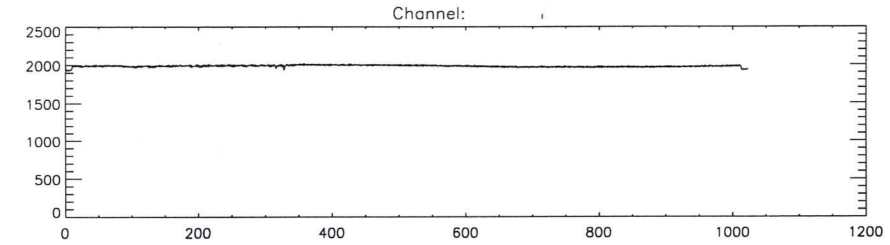
0.8
1.0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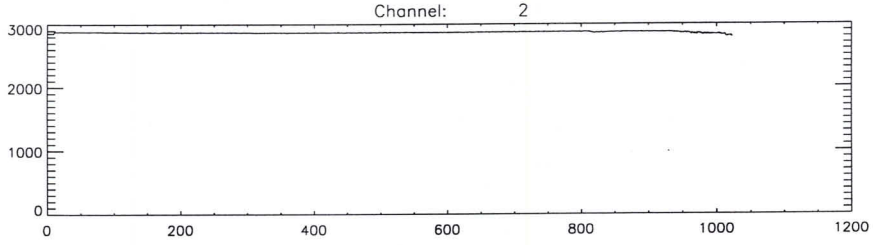
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1000
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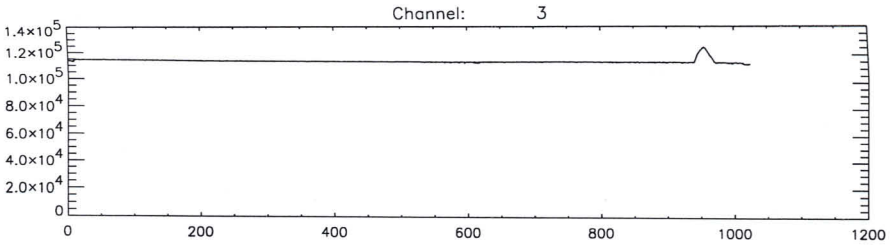
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1.2×10^5
1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
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0
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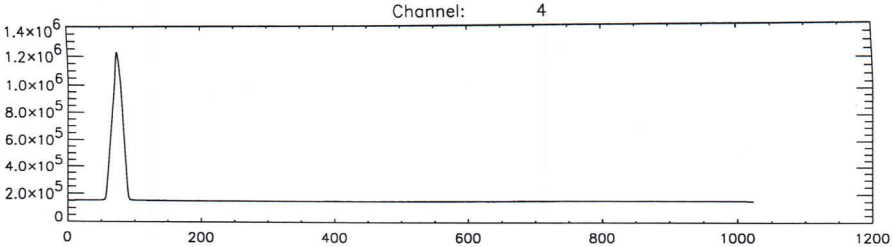
600
800
1000
1200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1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
0
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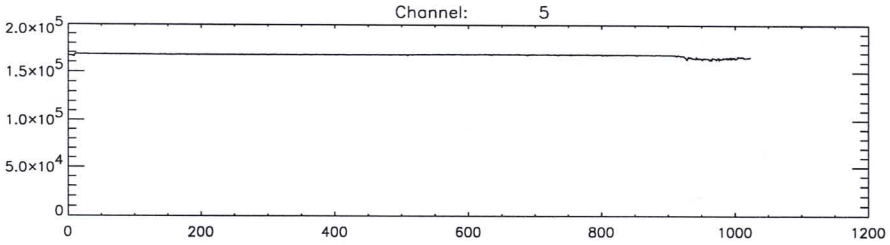
600
800
1000
1200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1.0×10^5
5.0×10^4
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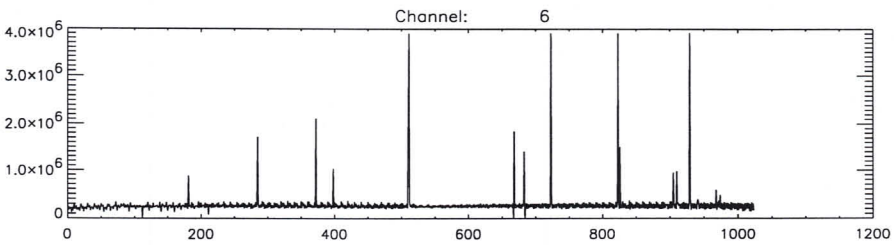
1000
1200


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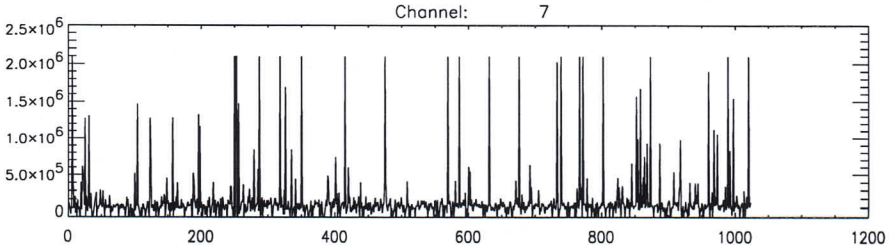
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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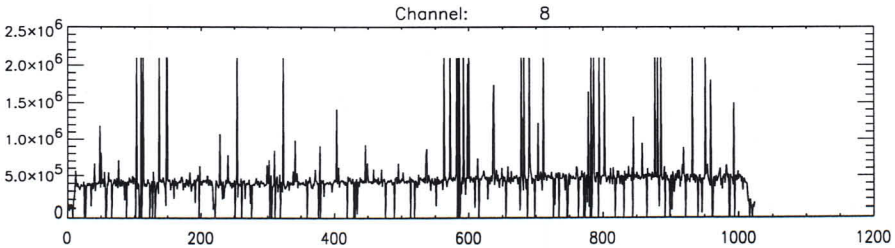
600
800
1000
1200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2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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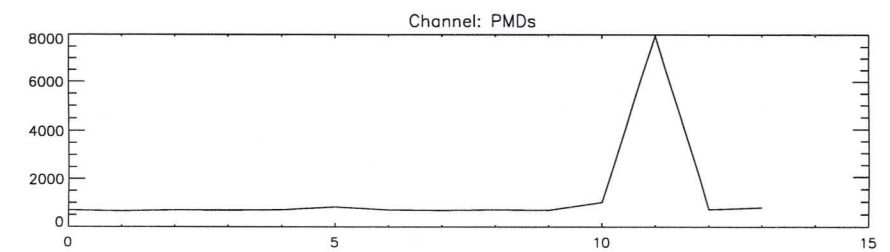
600
800
1000
1200


Channel: PMDs
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6000
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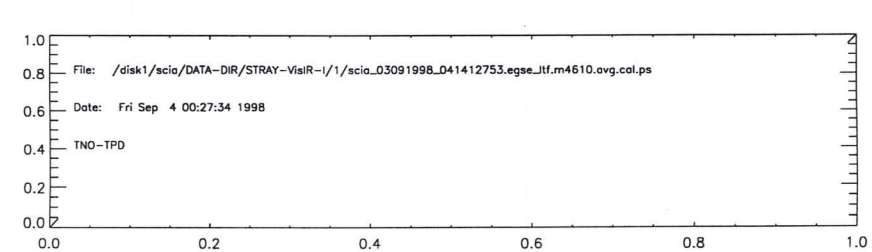
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.m4610.avg.cal.ps
Date: Fri Sep 4 00:27:34 1998
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0.6
0.4
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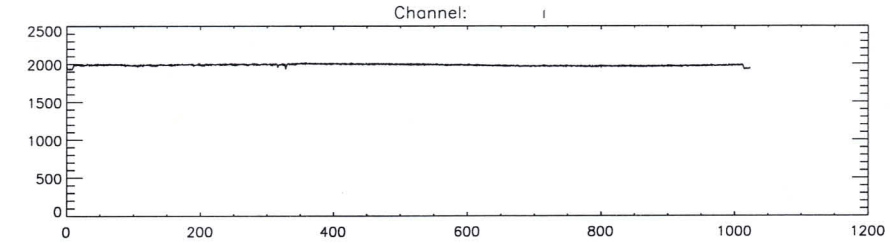
0.0
0.0
0.2
0.4
0.6
0.8
1.0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600
800
1000
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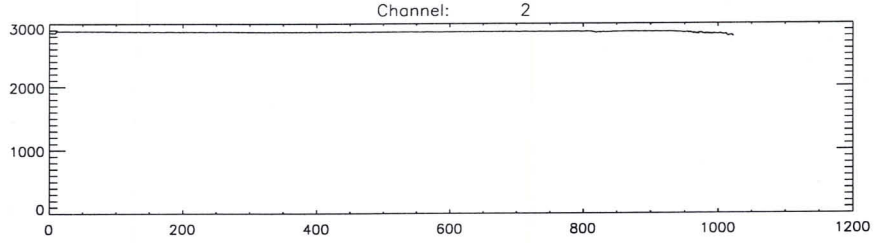
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600
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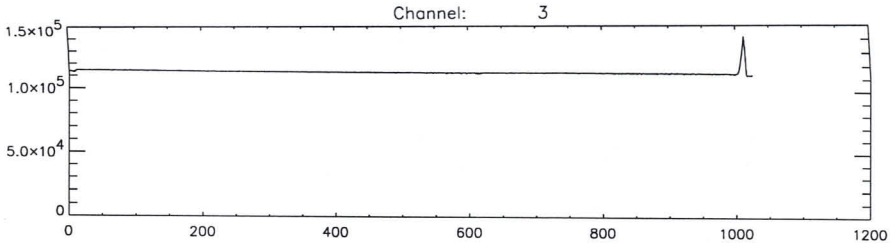
1000
1200


Channel: 3
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1.0×10^5
5.0×10^4
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600
800
1000
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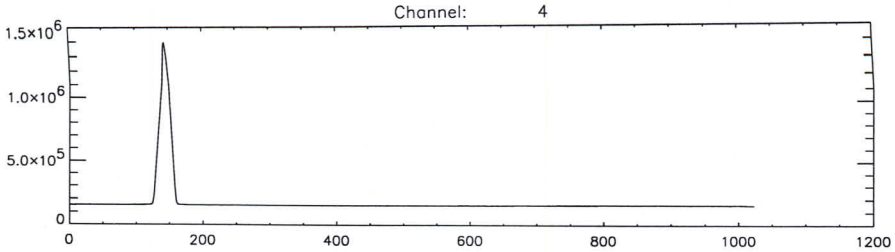
Channel: 4
1.5×10^6
1.0×10^6
5.0×10^5
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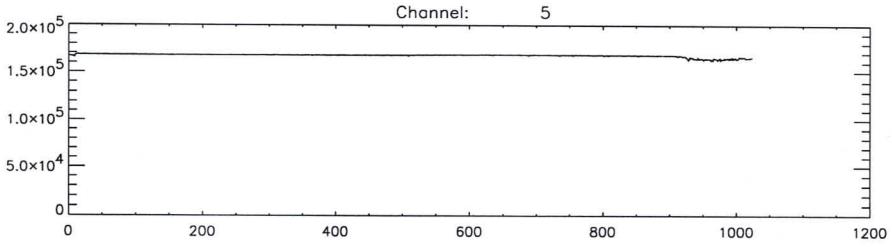
600
800
1000
1200


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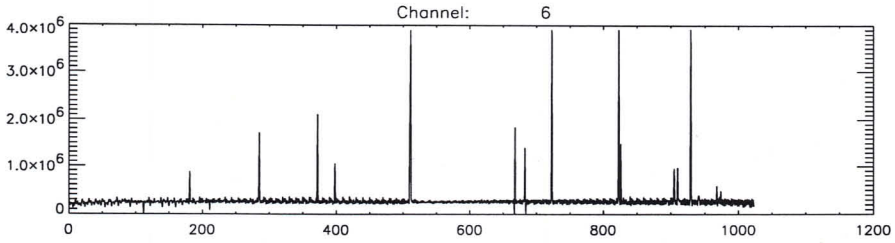
600
800
1000
1200


Channel: 6
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2.0×10^6
1.0×10^6
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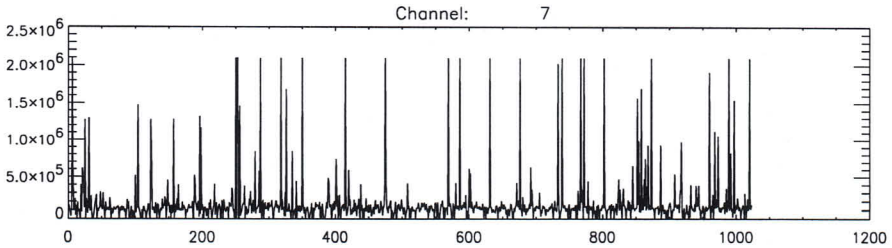
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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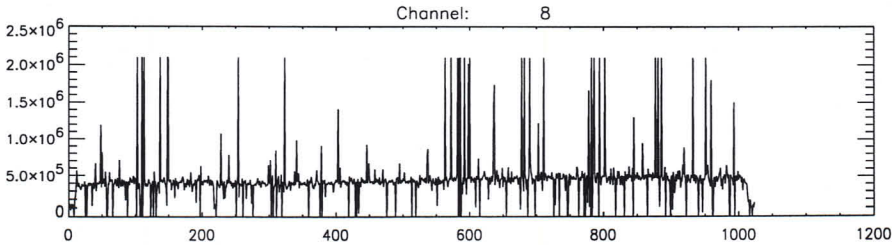
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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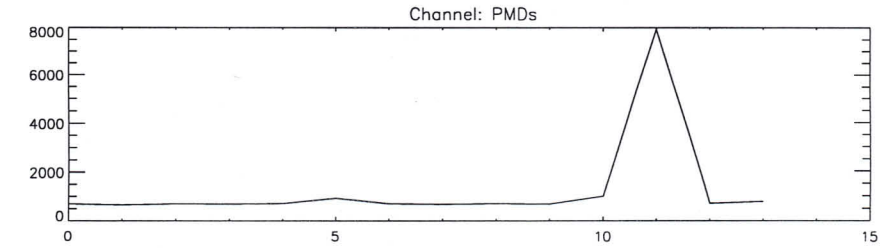
600
800
1000
1200


Channel: PMDs
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6000
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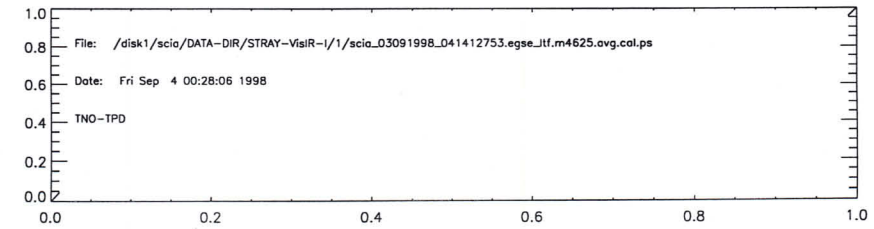
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4625.avg.cal.ps
Date: Fri Sep 4 00:28:06 1998
TNO-TPD
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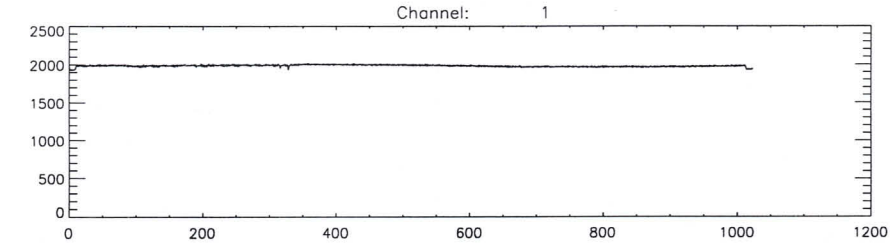
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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1500
1000
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0
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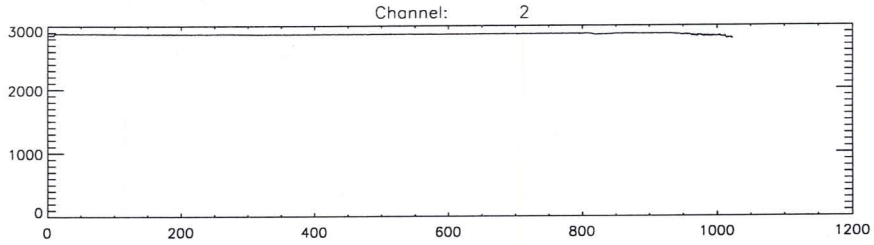
600
800
1000
1200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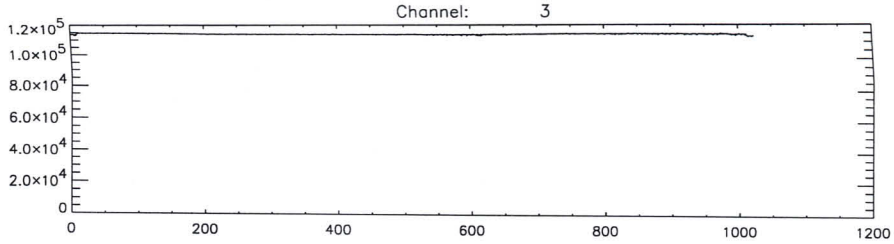
1000
1200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1.0×10^5
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4.0×10^4
2.0×10^4
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600
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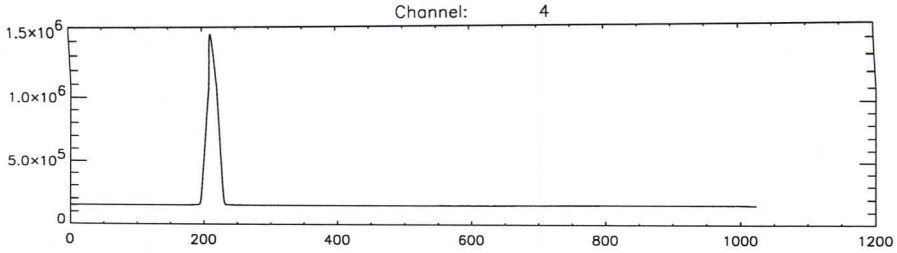
1000
1200


Channel: 4
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1.0×10^6
5.0×10^5
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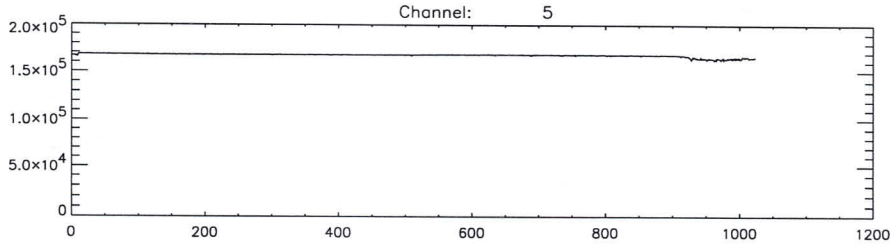
1000
1200


Channel: 5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
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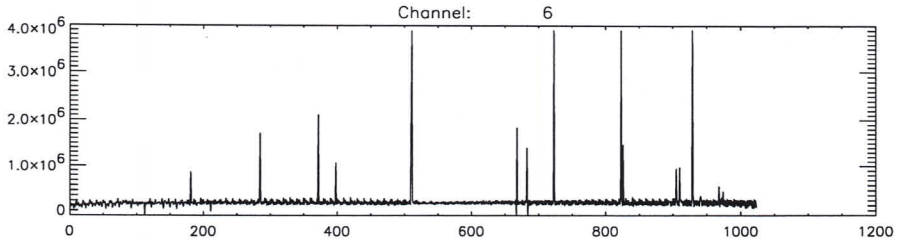
1000
1200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2.0×10^6
1.0×10^6
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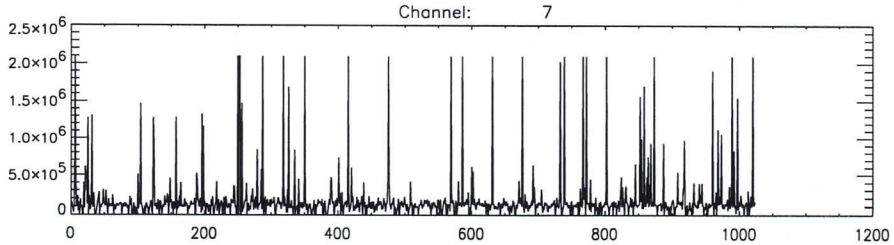
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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1000
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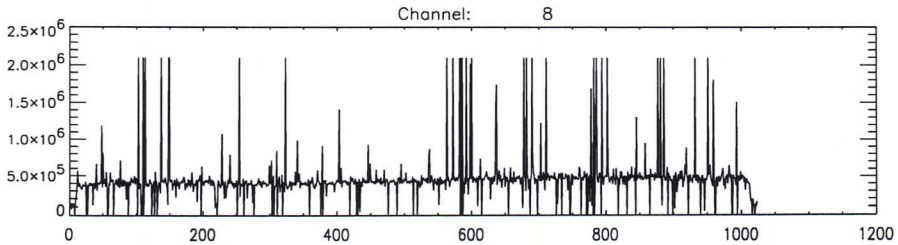
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1.0×10^6
5.0×10^5
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1000
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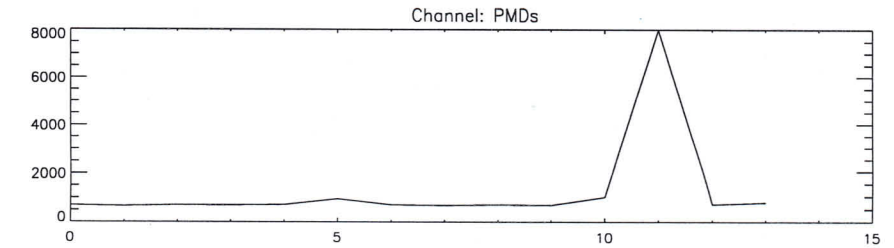
Channel: PMDs
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6000
4000
2000
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0
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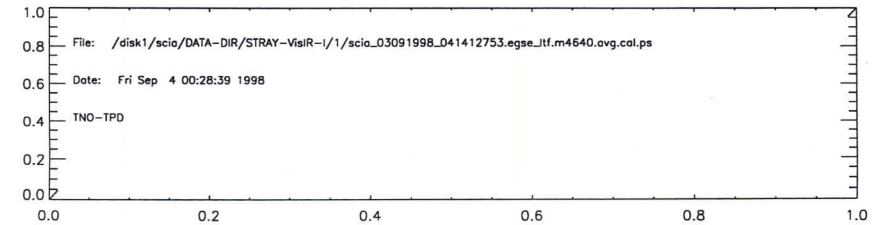
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m4640.avg.cal.ps
Date: Fri Sep 4 00:28:39 1998
TNO-TPD
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0.6
0.4
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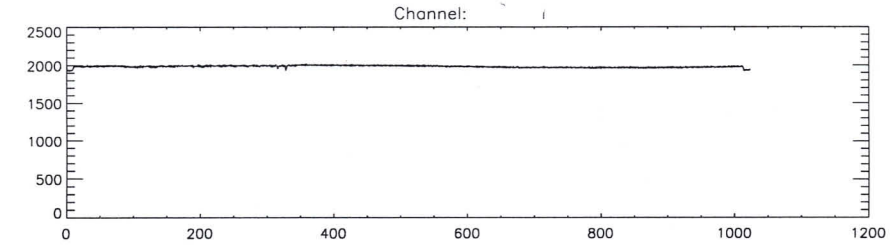
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
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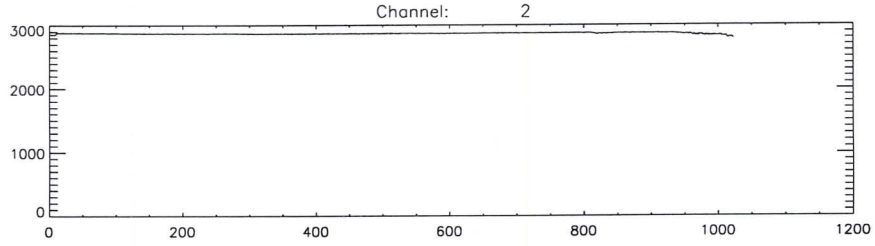
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600
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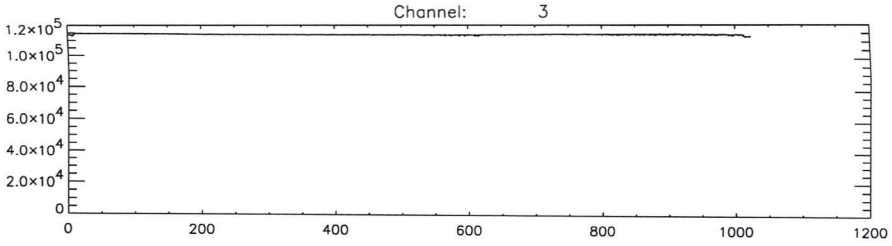
1000
1200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1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
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0
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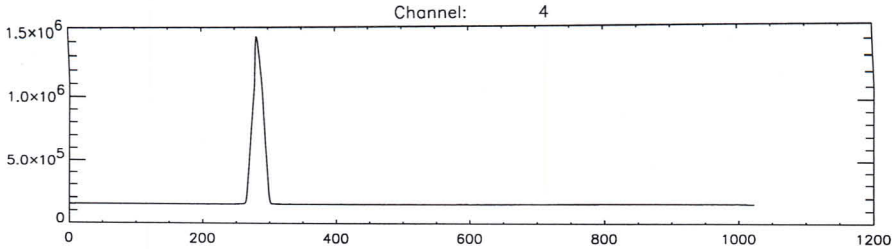
600
800
1000
1200


Channel: 4
1.5×10^6
1.0×10^6
5.0×10^5
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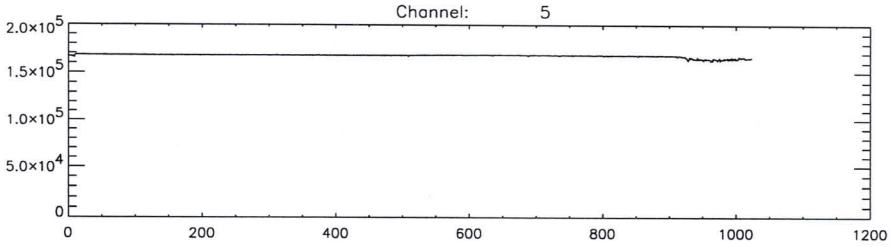
0
200
400
600
800
1000
1200


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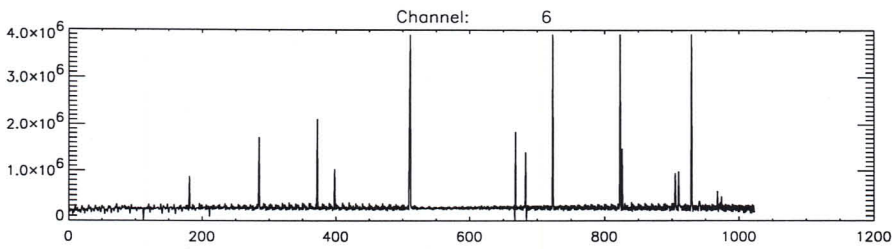
400
600
800
1000
1200


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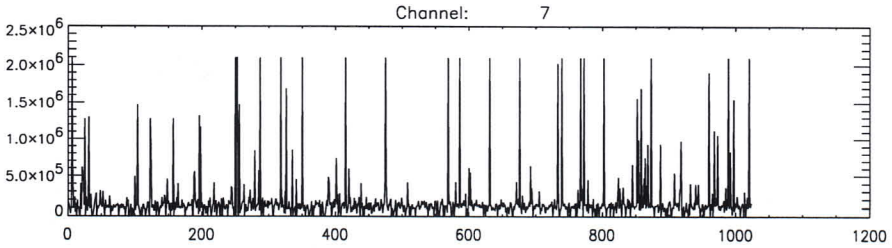
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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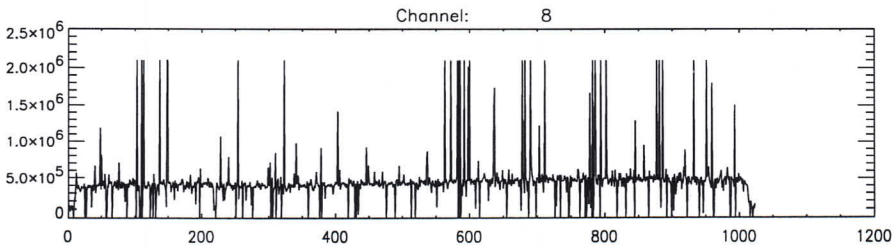
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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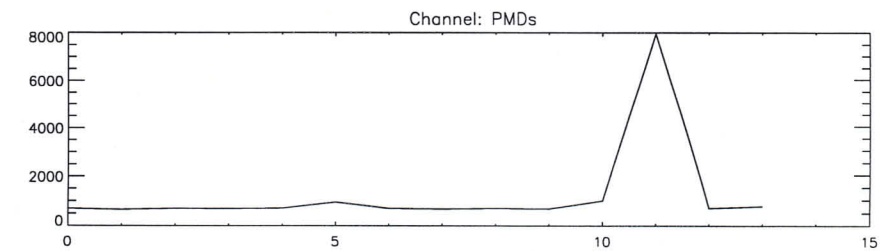
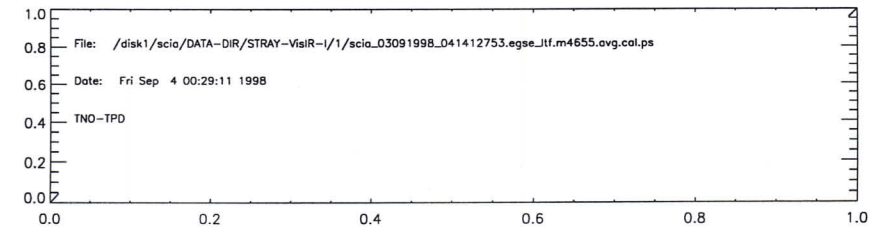
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.m4655.avg.cal.ps
Date: Fri Sep 4 00:29:11 1998
TNO-TPD
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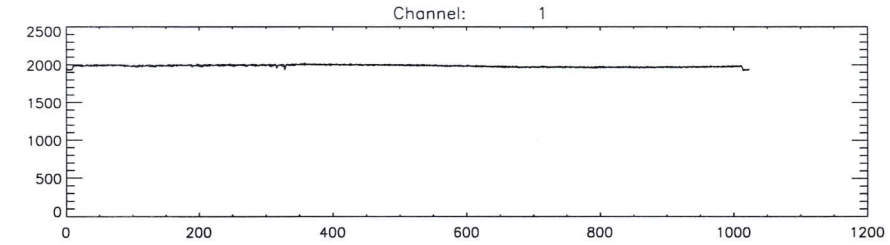
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
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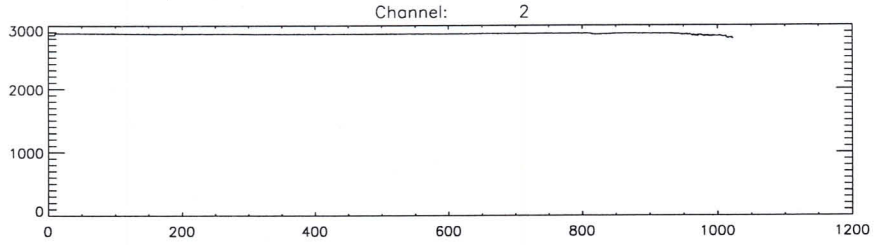
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
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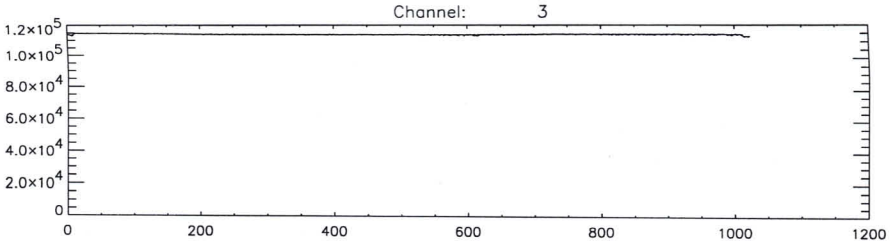
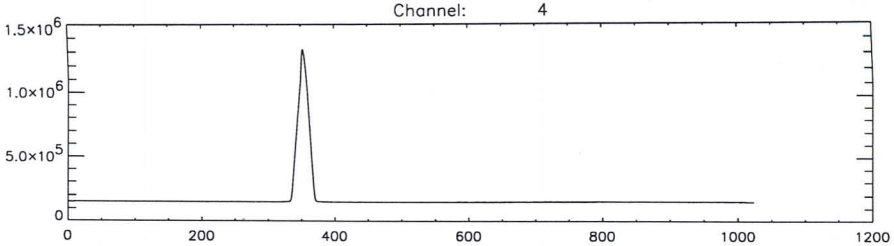
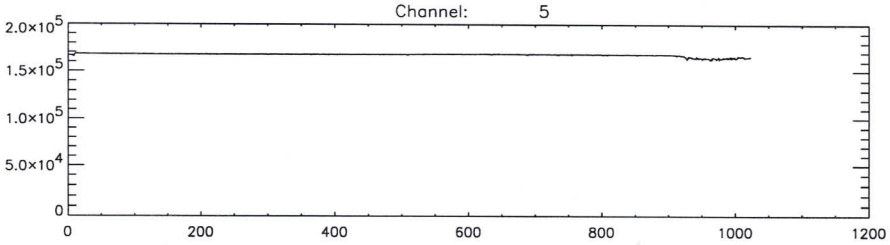
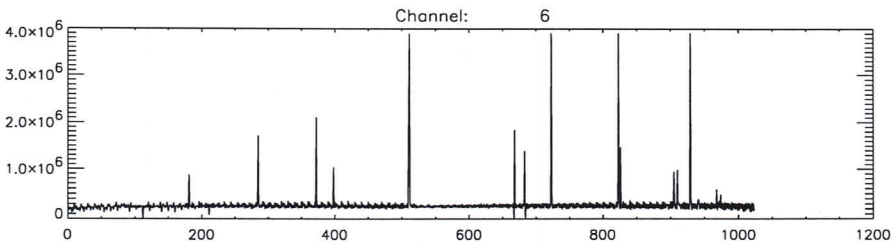
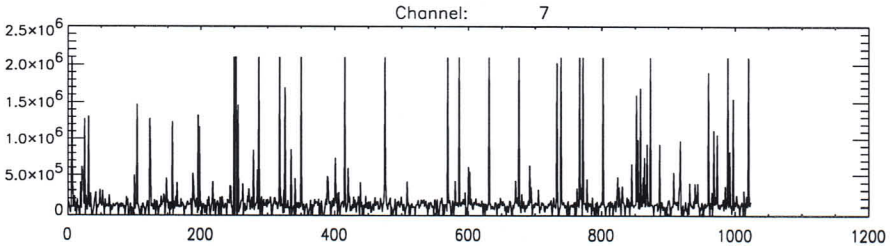
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 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: 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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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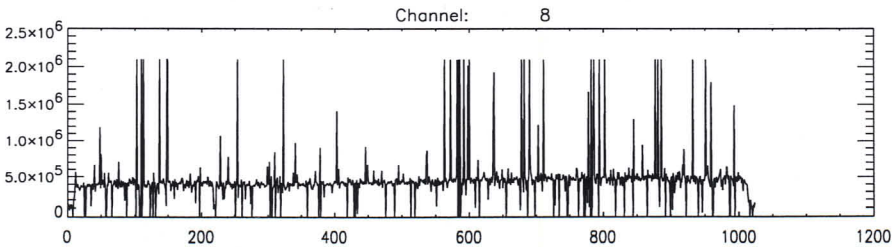
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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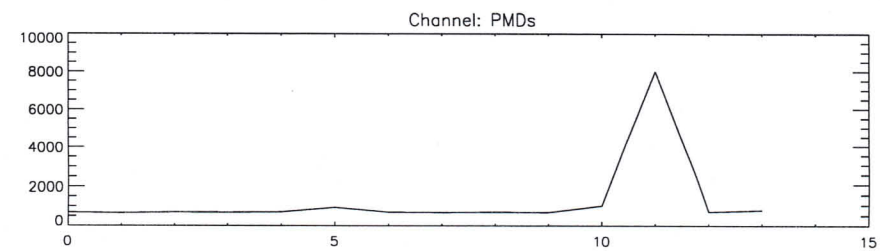
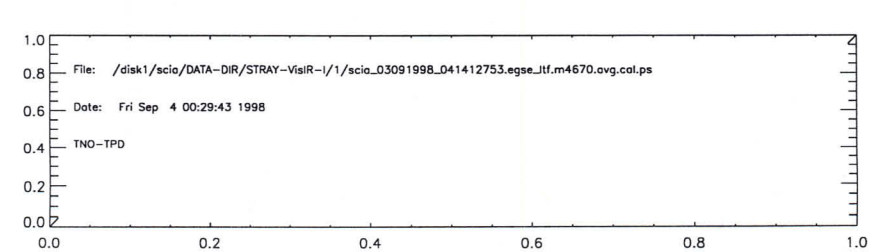
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4670.avg.cal.ps
Date: Fri Sep 4 00:29:43 1998
TNO-TPD
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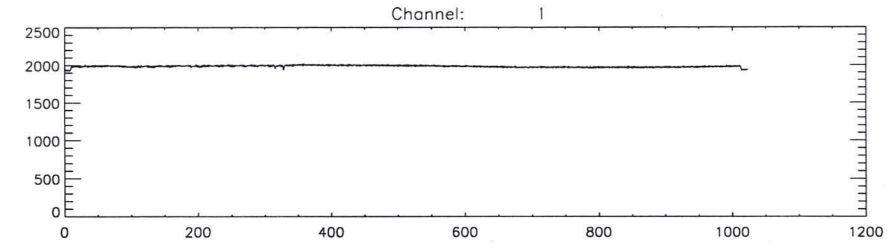
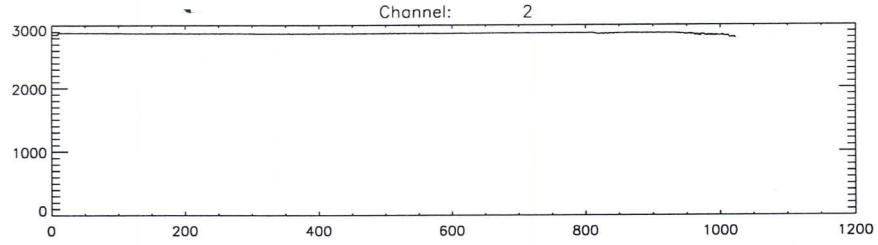
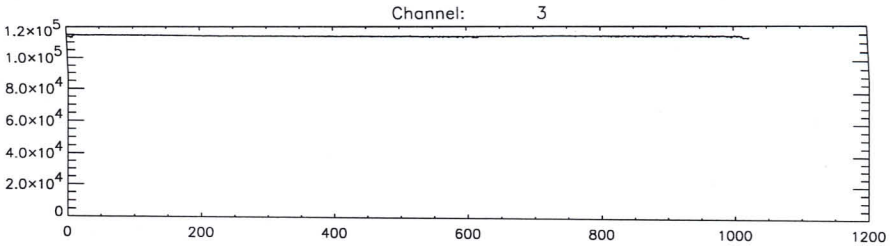
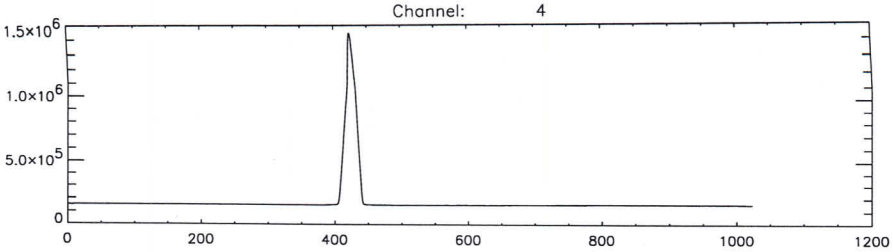
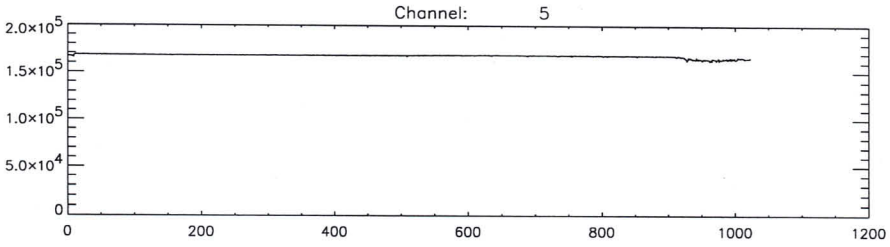
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

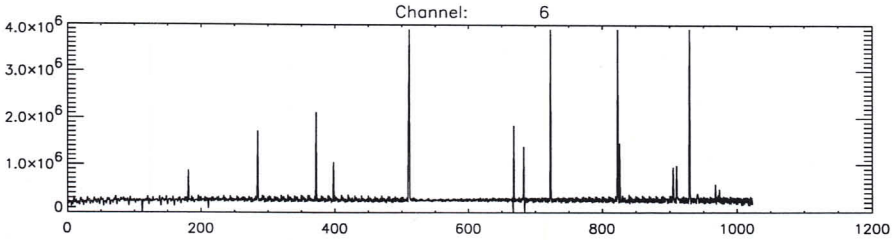

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

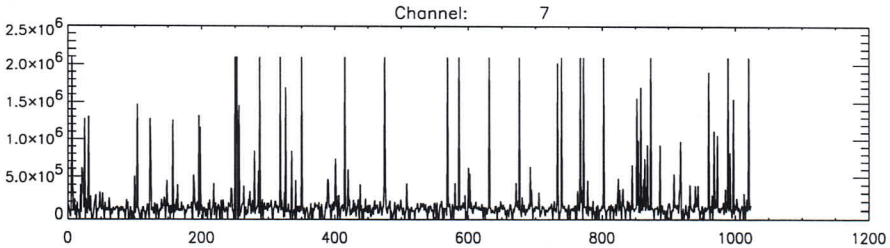

Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


Channel: 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: 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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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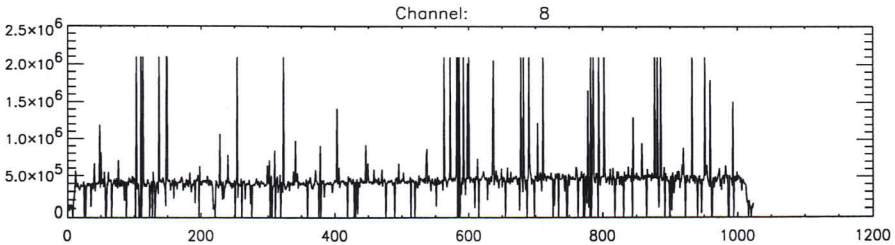
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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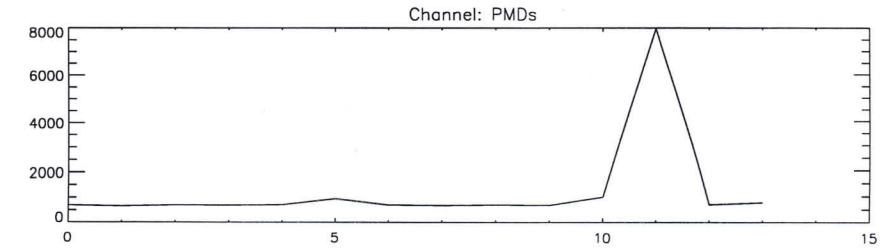
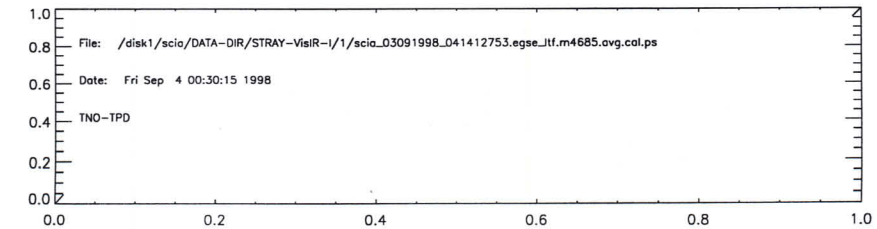
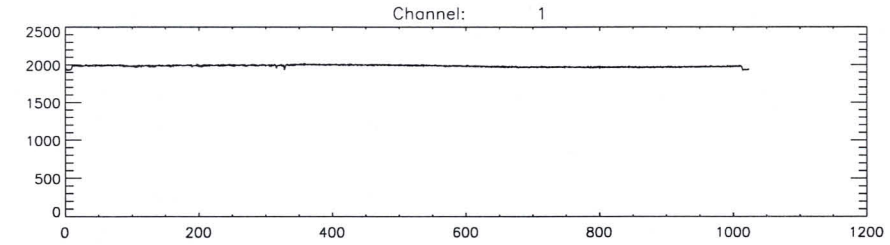
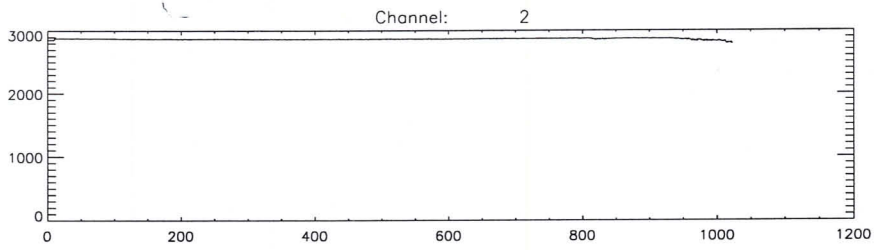
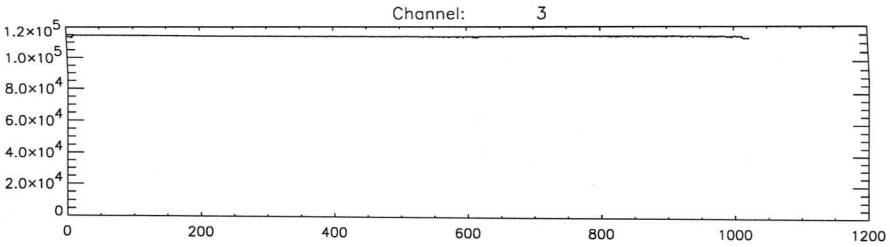
600
800
1000
1200

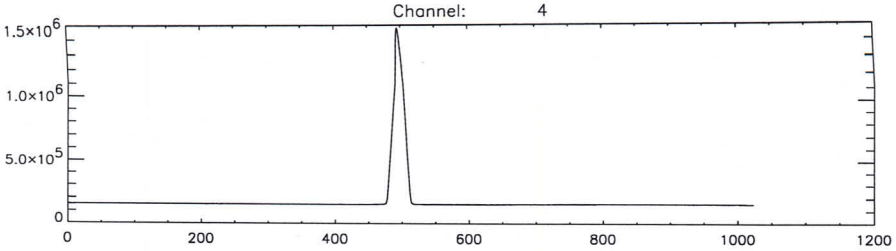

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

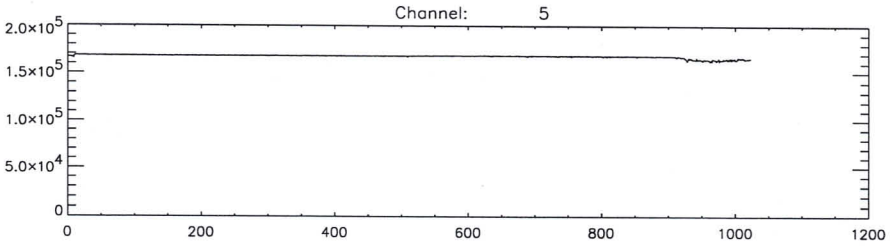

File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4685.avg.cal.ps
Date: Fri Sep 4 00:30:15 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200


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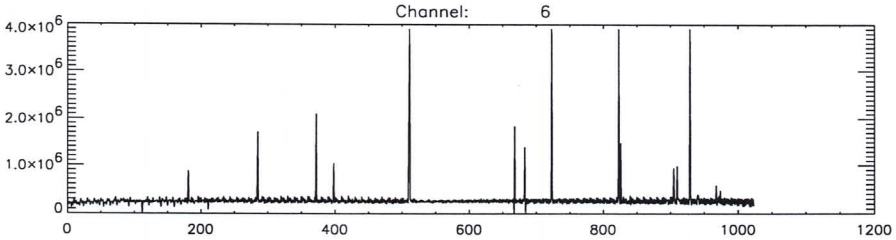
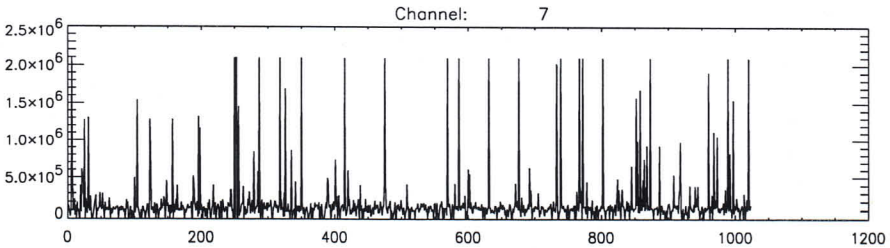
600
800
1000
1200


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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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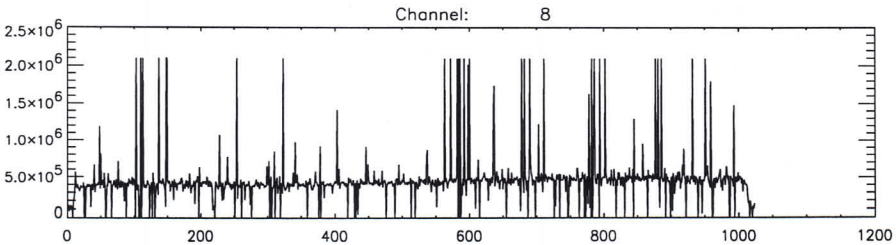
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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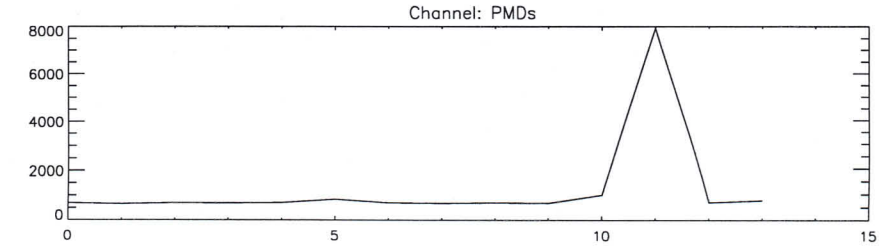
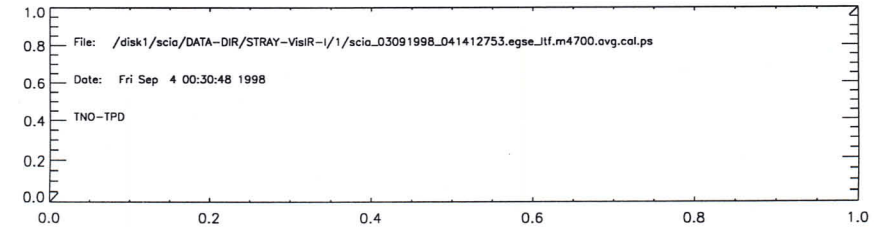
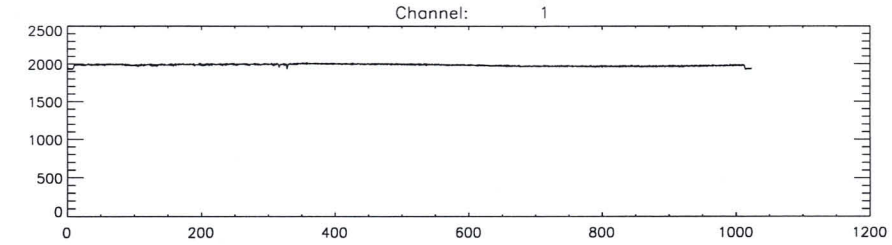
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4700.avg.cal.ps
Date: Fri Sep 4 00:30:48 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
2500
2000
1500
1000
500
0
0
200
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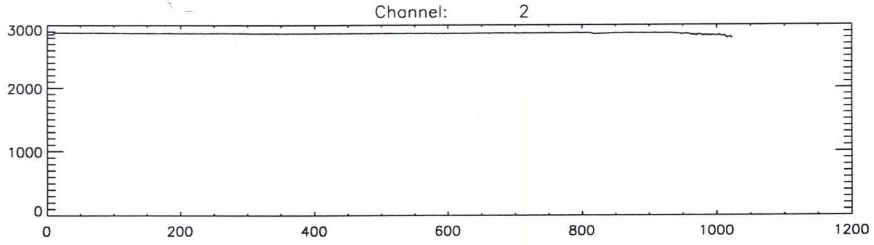
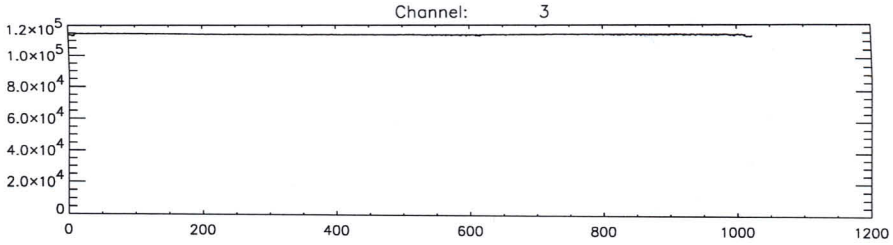
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200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4.0×10^4
2.0×10^4
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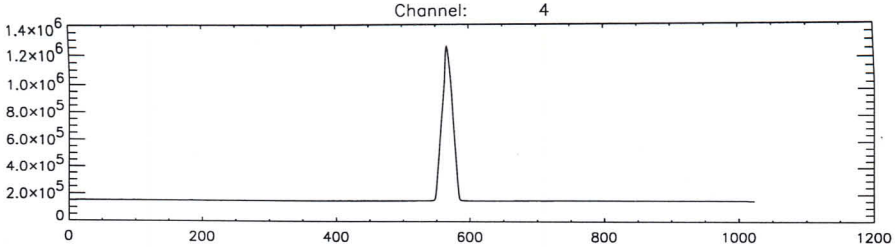
600
800
1000
1200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1.2×10^6
1.0×10^6
8.0×10^5
6.0×10^5
4.0×10^5
2.0×10^5
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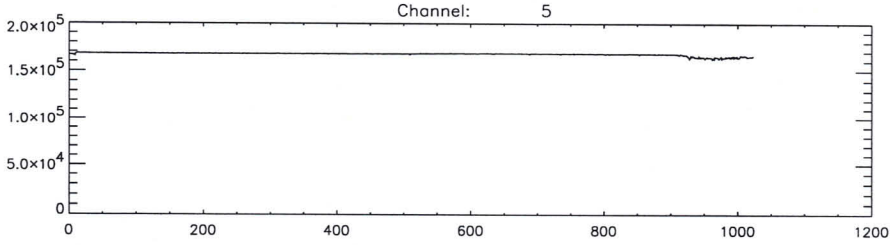
800
1000
1200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1.0×10^5
5.0×10^4
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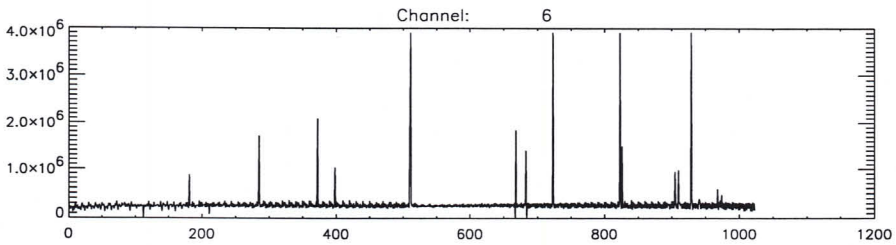
1000
1200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2.0×10^6
1.0×10^6
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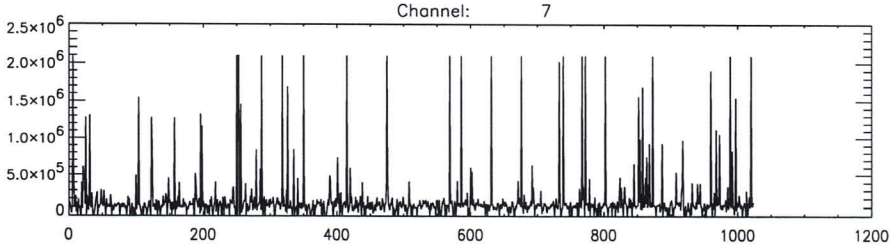
1000
1200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1.0×10^6
5.0×10^5
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1000
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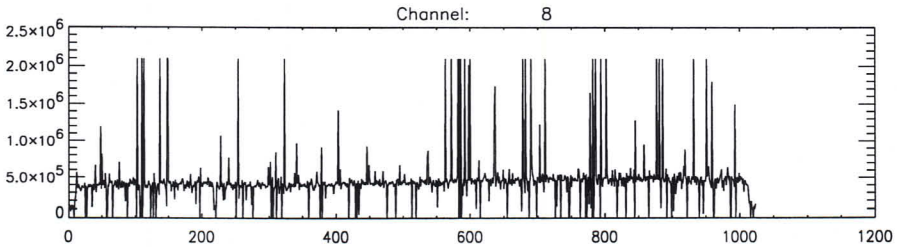
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1.0×10^6
5.0×10^5
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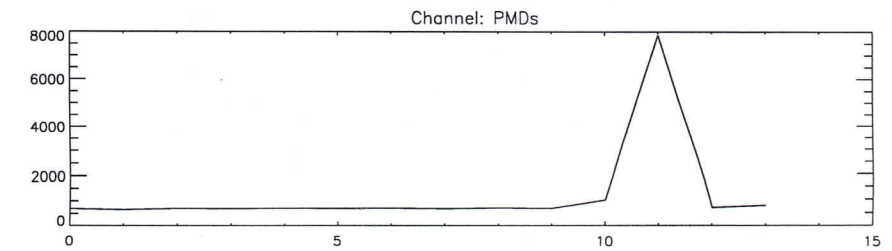
1000
1200


Channel: PMDs
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4000
2000
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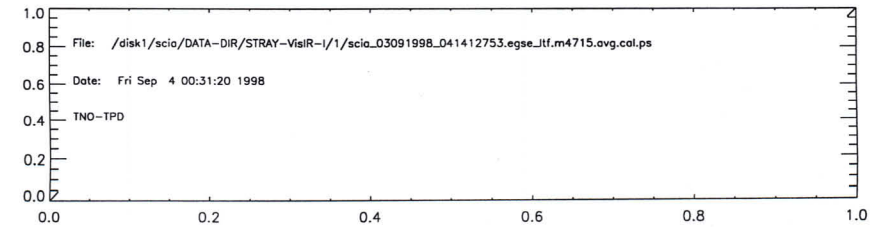
0
5
10
15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Date: Fri Sep 4 00:31:20 1998
TNO-TPD
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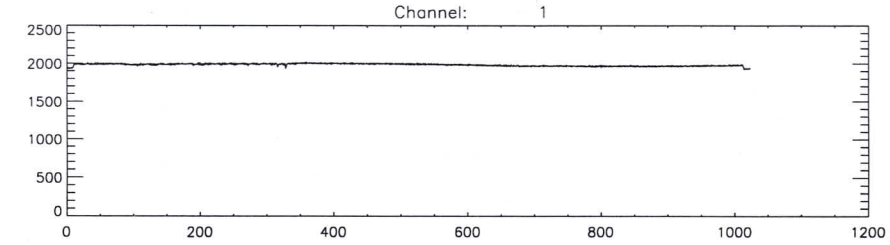
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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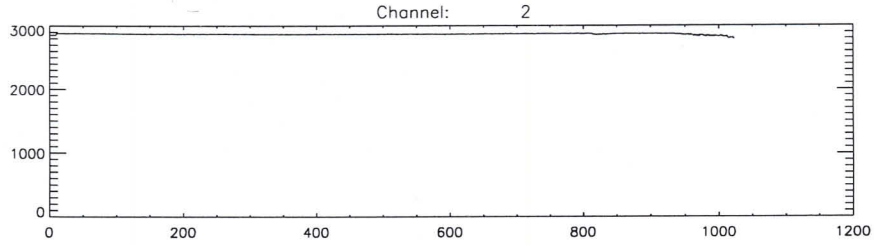
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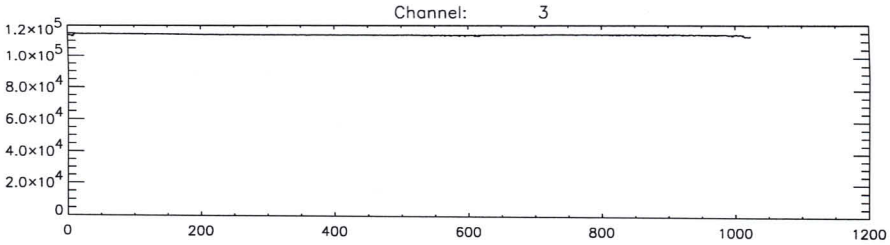
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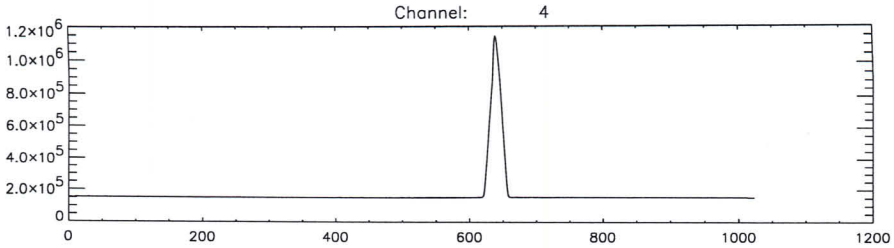
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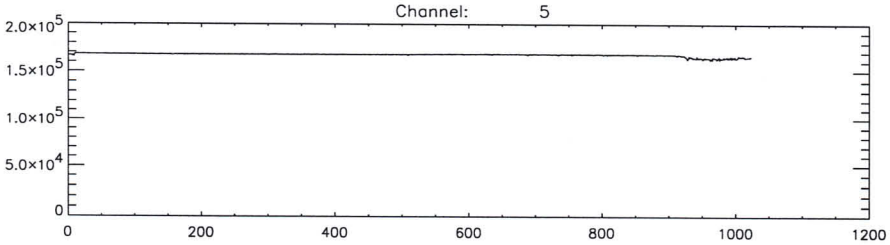
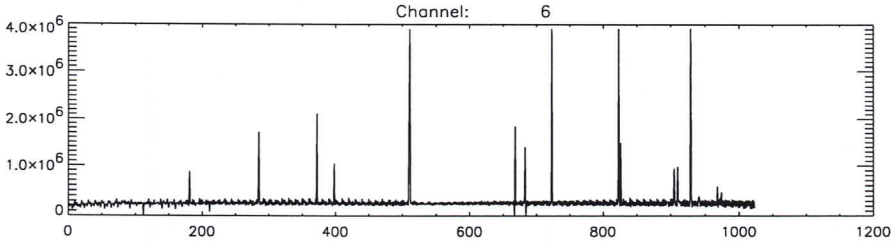
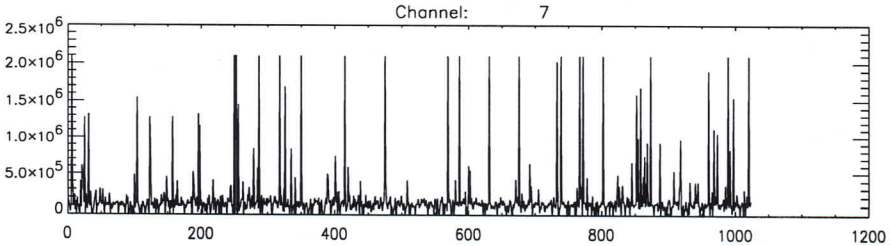
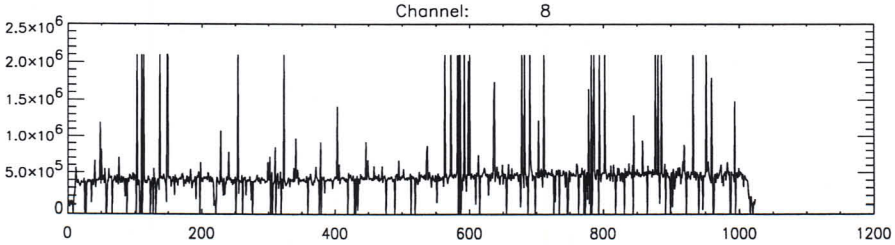
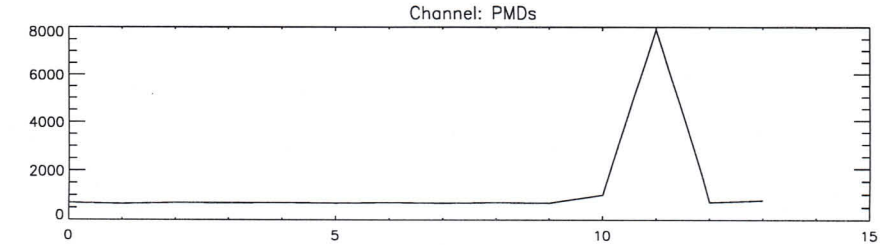
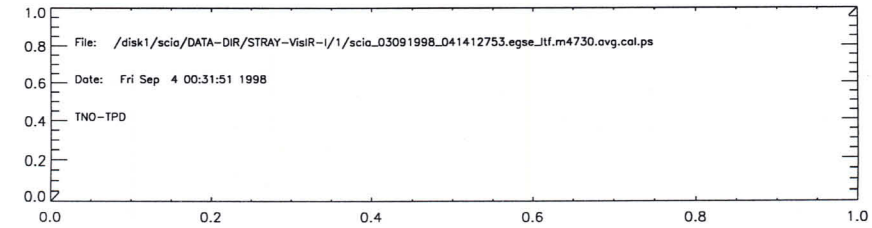

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs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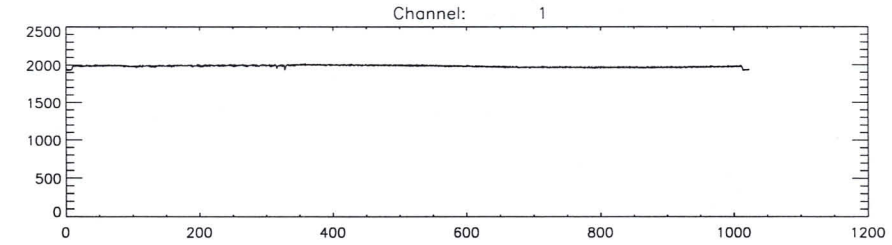
Date: Fri Sep 4 00:31:51 1998
TNO-TPD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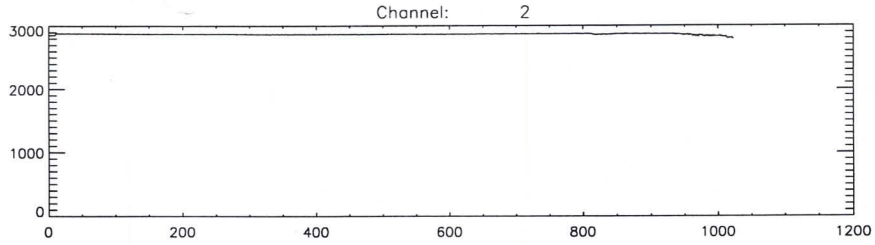
1000
1200


Channel: 2
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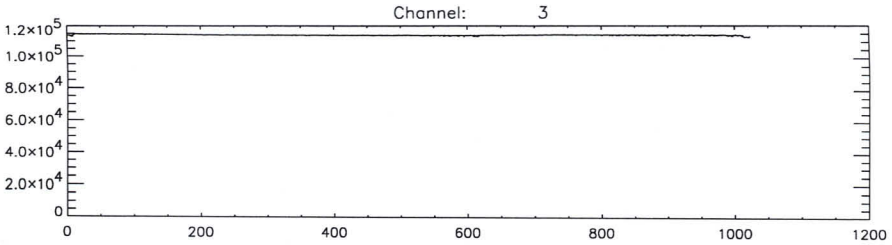
1000
1200


Channel: 3
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
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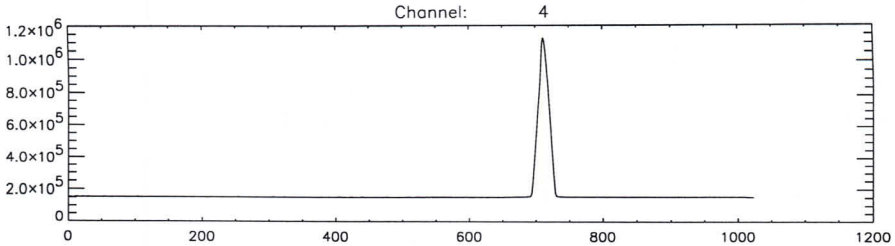
800
1000
1200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6.0x10^5
4.0x10^5
2.0x10^5
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600
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1000
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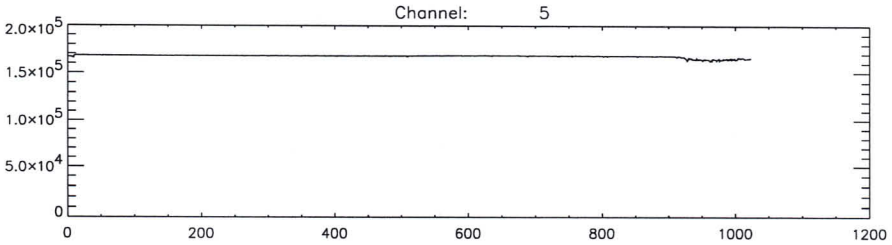
Channel: 5
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1.0x10^5
5.0x10^4
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1000
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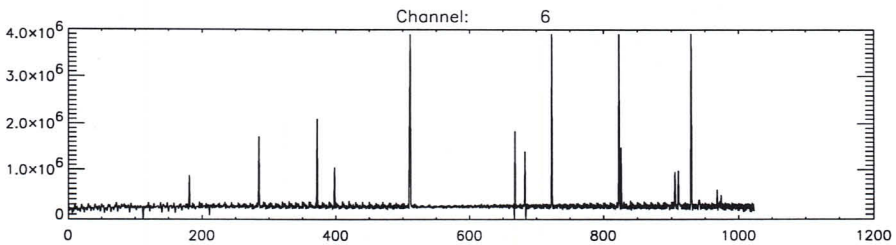
Channel: 6
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3.0x10^6
2.0x10^6
1.0x10^6
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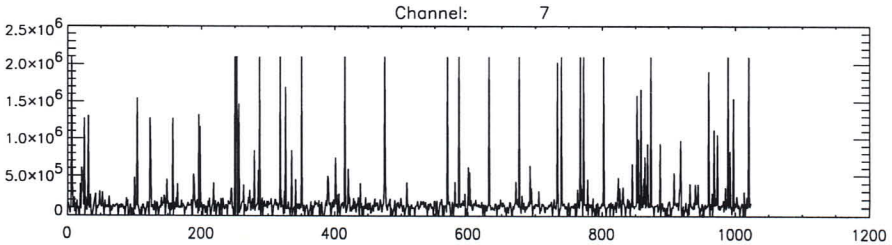
600
800
1000
1200


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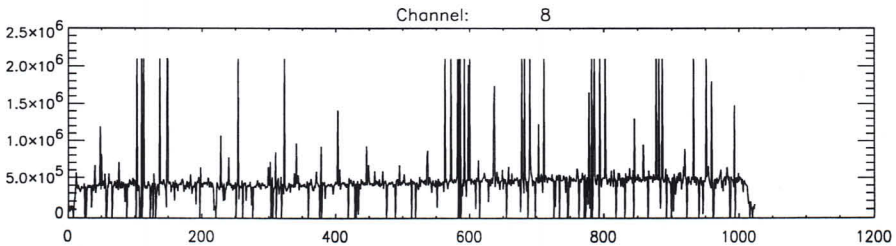
600
800
1000
1200


Channel: 8
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
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600
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1000
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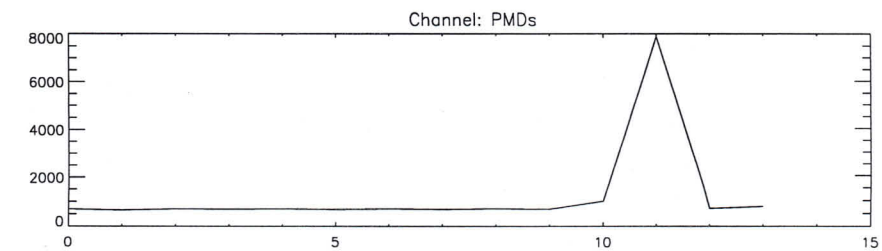
Channel: PMDs
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6000
4000
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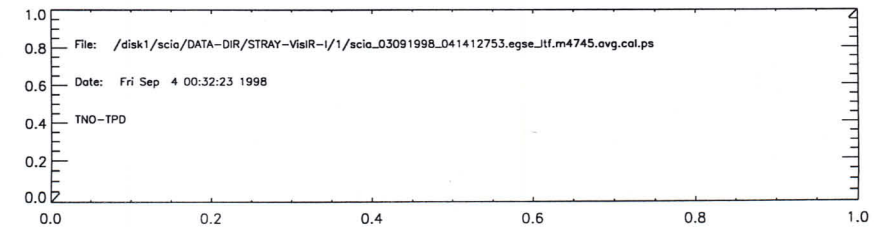
0
5
10
15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Date: Fri Sep 4 00:32:23 1998
TNO-TPD
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0.4
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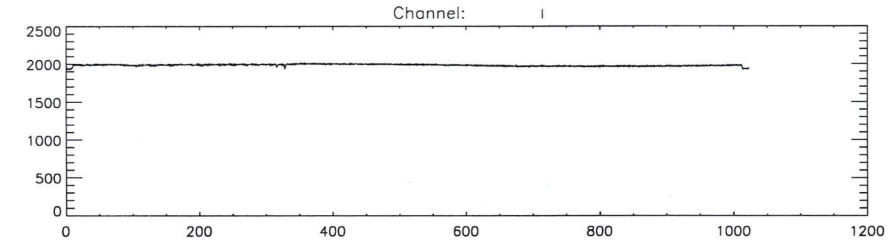
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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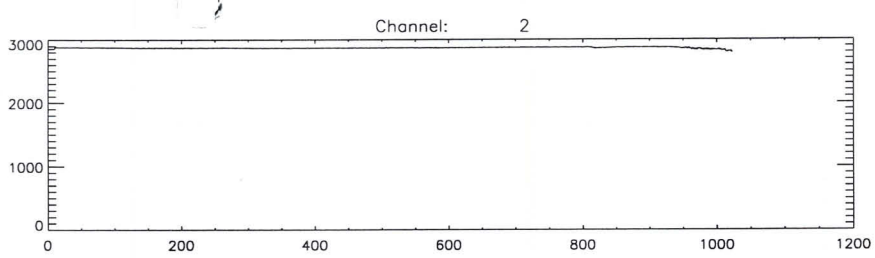
800
1000
1200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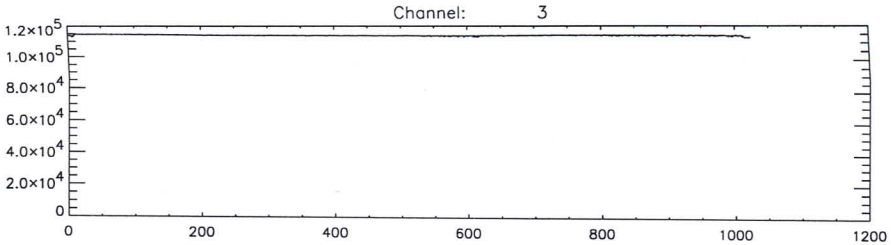
1000
1200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4.0×10^4
2.0×10^4
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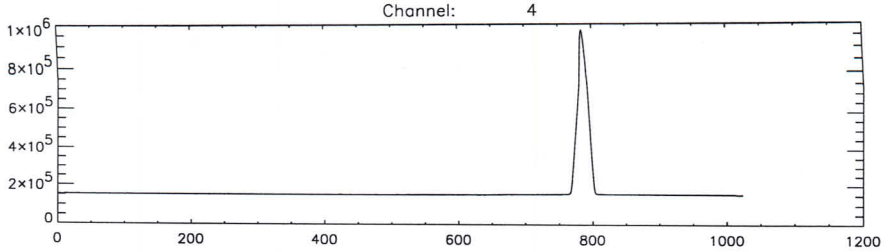
1000
1200


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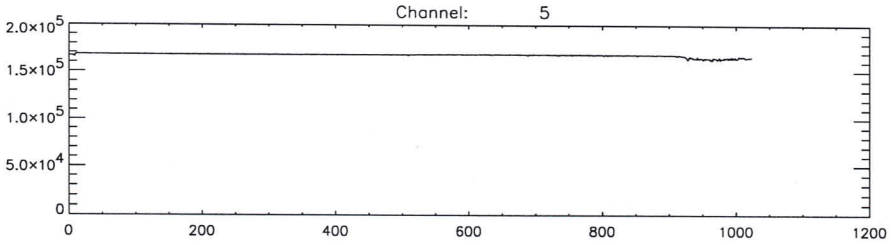
1000
1200


Channel: 5
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1.5×10^5
1.0×10^5
5.0×10^4
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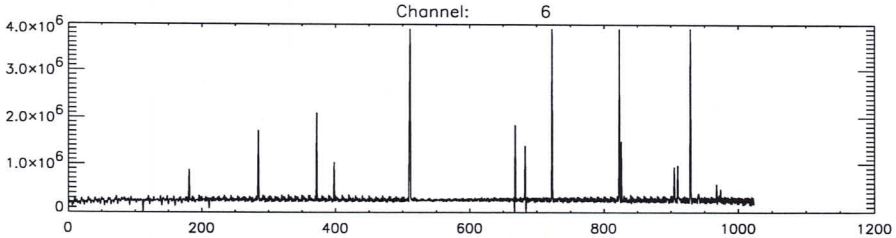
600
800
1000
1200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2.0×10^6
1.0×10^6
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800
1000
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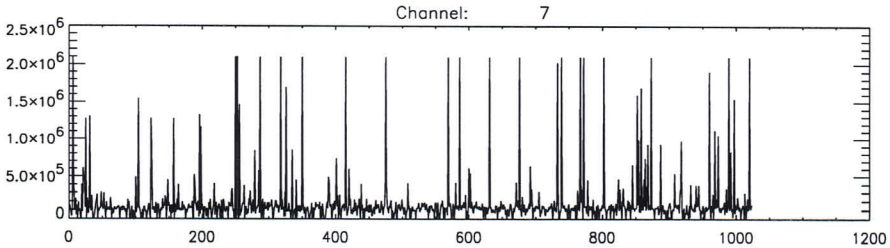
Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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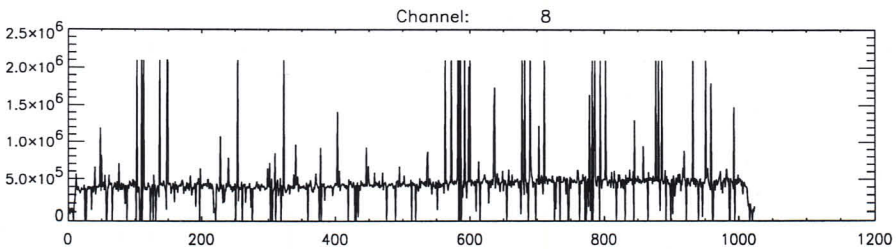
600
800
1000
1200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1.5×10^6
1.0×10^6
5.0×10^5
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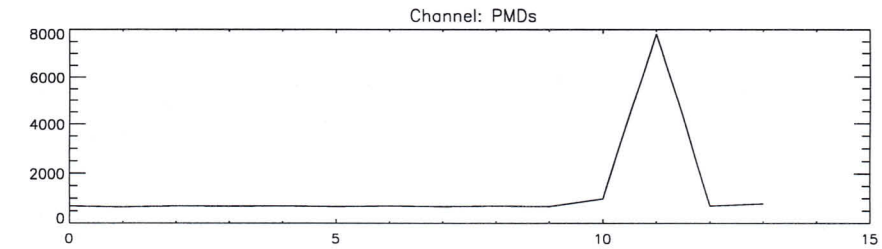
600
800
1000
1200


Channel: PMDs
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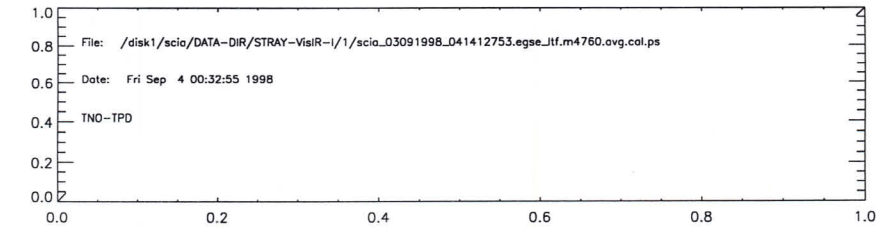
6000
4000
2000
0
0
5
10
15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Date: Fri Sep 4 00:32:55 1998
TNO-TPD
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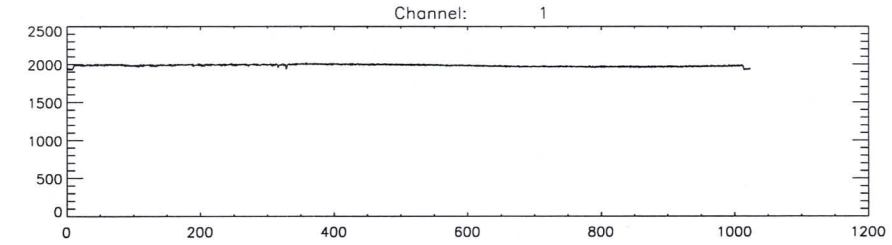
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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1500
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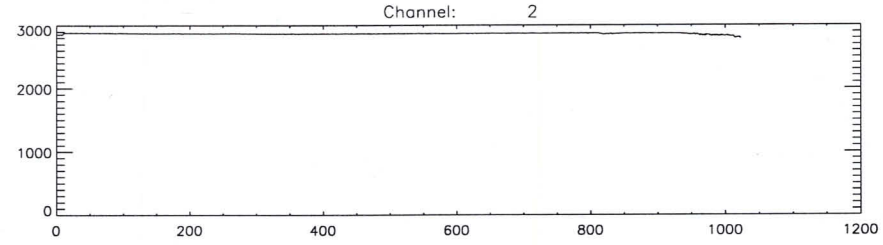
1000
1200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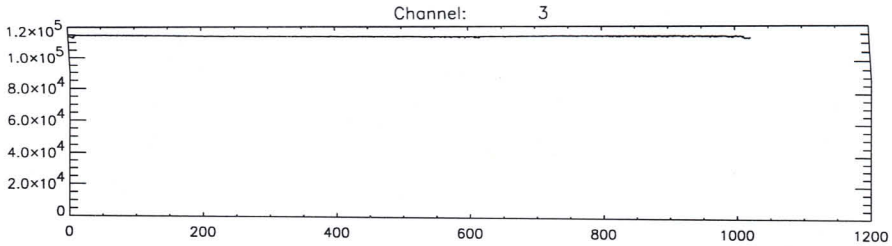
1000
1200


Channel: 3
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1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
0
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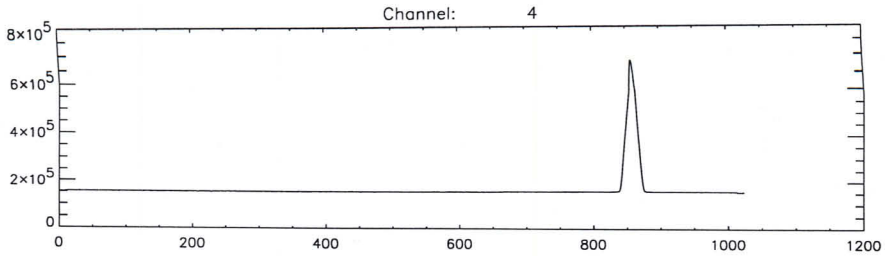
600
800
1000
1200


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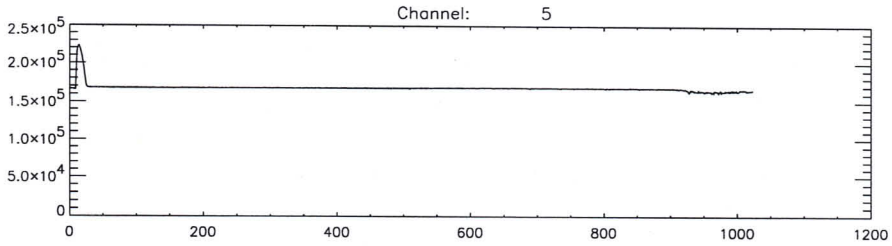
400
600
800
1000
1200


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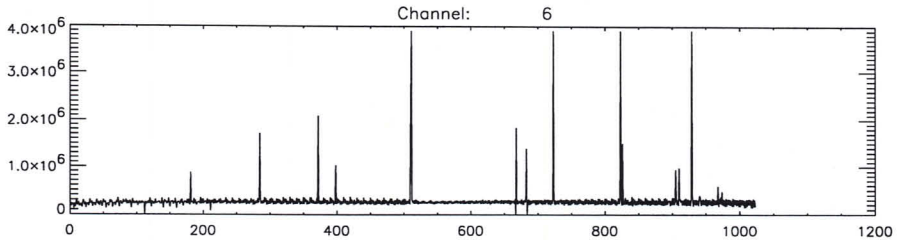
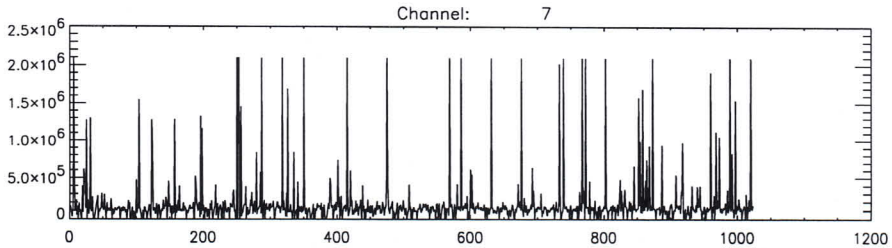
400
600
800
1000
1200


Channel: 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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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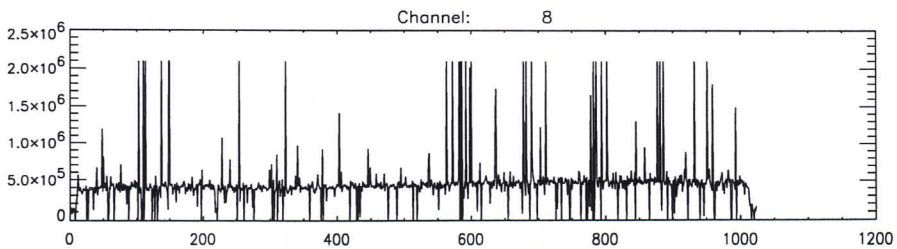
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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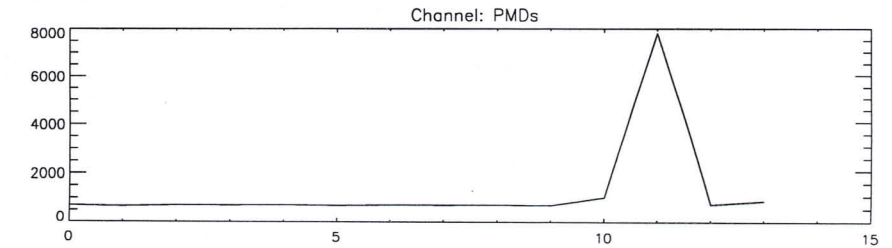
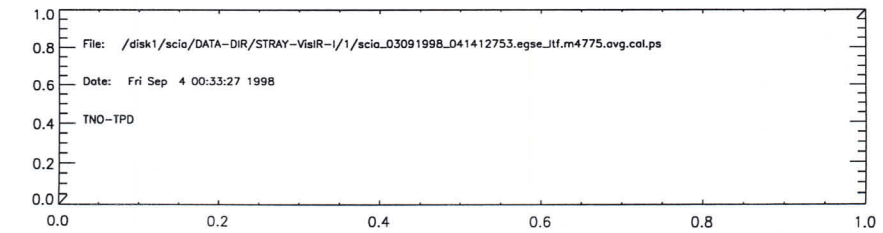
600
800
1000
1200


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


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4775.avg.cal.ps
Date: Fri Sep 4 00:33:27 1998
TNO-TPD
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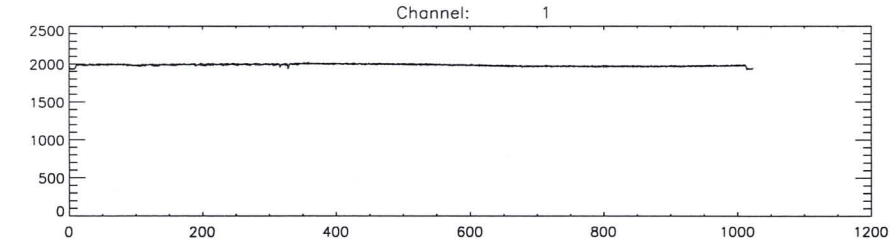
0.2
0.4
0.6
0.8
1.0


Channel: 1
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2000
1500
1000
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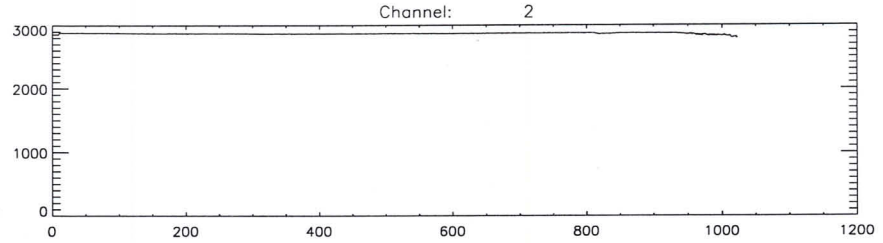
0
0
200
400
600
800
1000
1200


Channel: 2
3000
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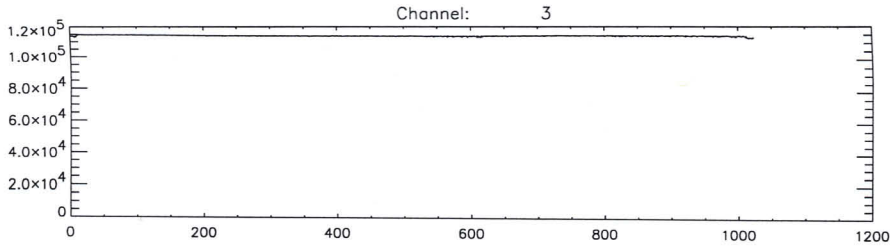
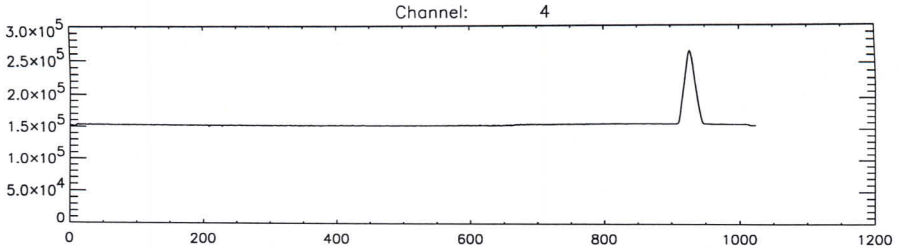
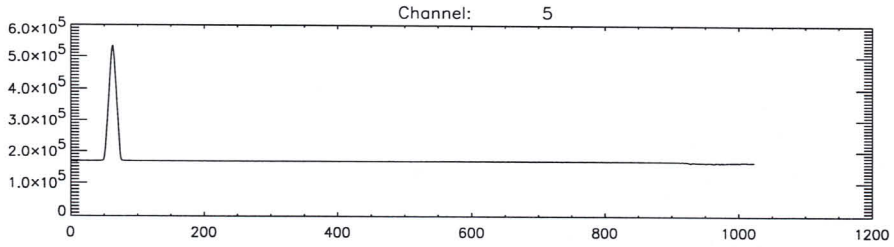
1000
0
0
200
400
600
800
1000
1200


Channel: 3
1.2x10^5
1.0x10^5
8.0x10^4
6.0x10^4
4.0x10^4
2.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 4
3.0x10^5
2.5x10^5
2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 5
6.0x10^5
5.0x10^5
4.0x10^5
3.0x10^5
2.0x10^5
1.0x10^5
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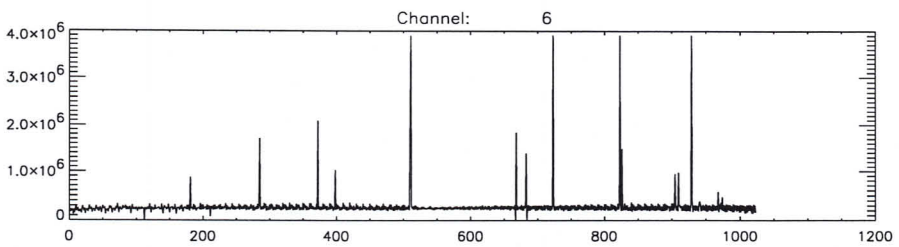
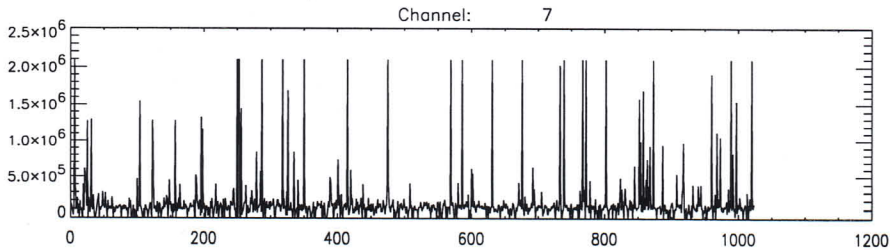
600
800
1000
1200


Channel: 6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200


Channel: 7
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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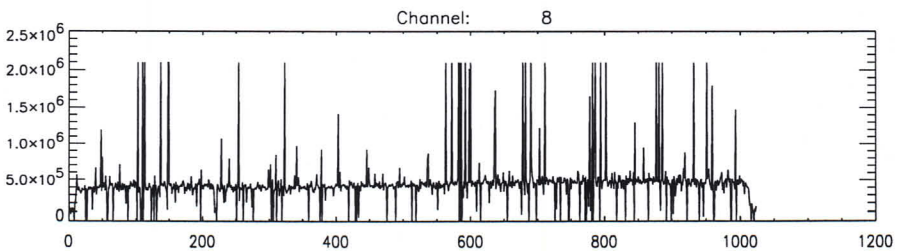
600
800
1000
1200


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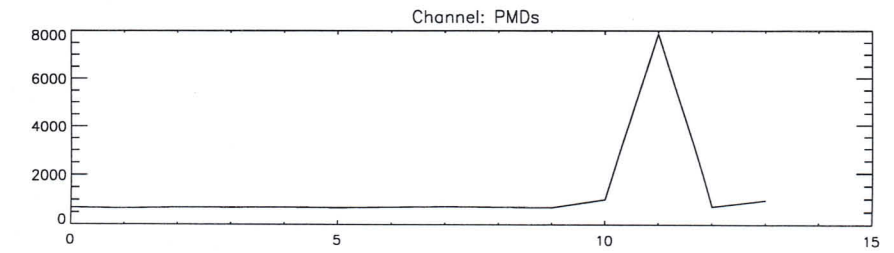
600
800
1000
1200


Channel: PMDs
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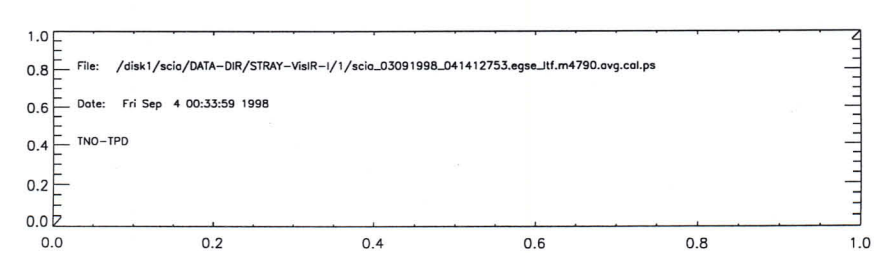
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4790.avg.cal.ps
Date: Fri Sep 4 00:33:59 1998
TNO-TPD
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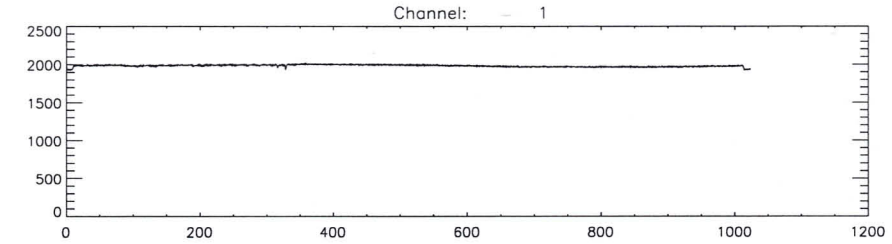
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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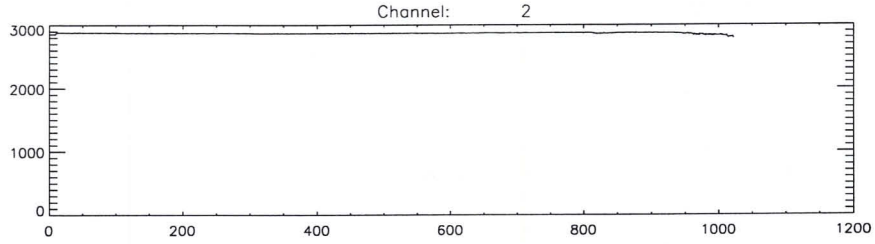
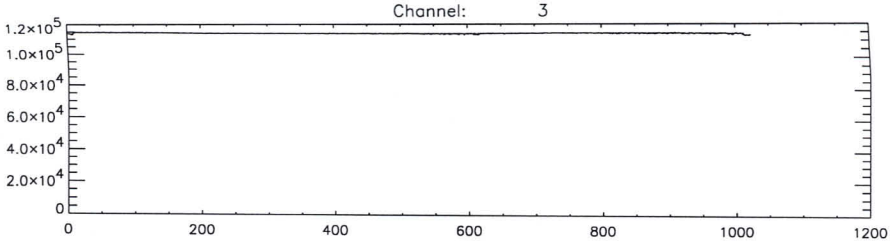
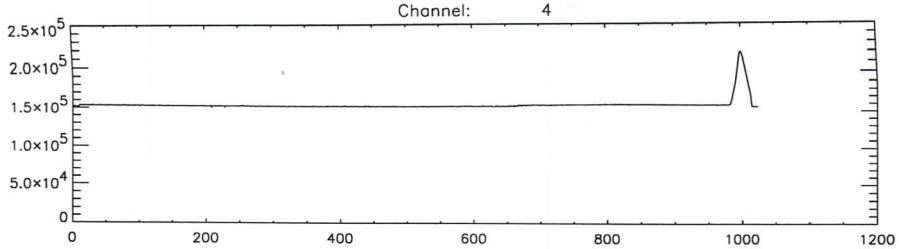
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


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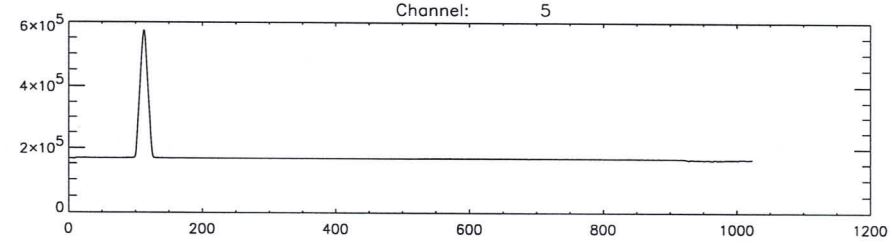
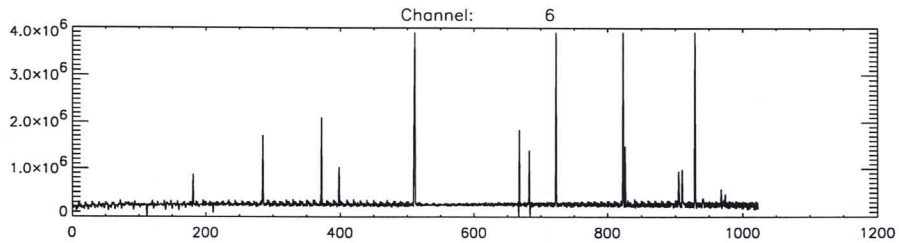
600
800
1000
1200


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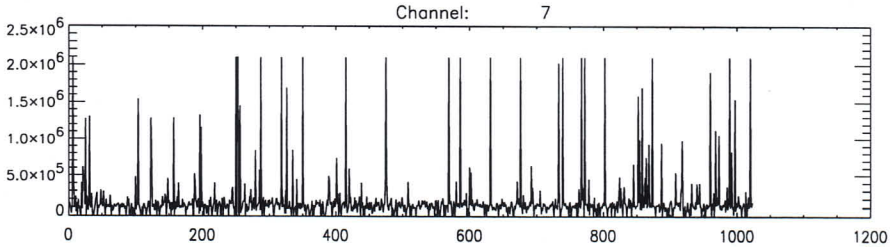
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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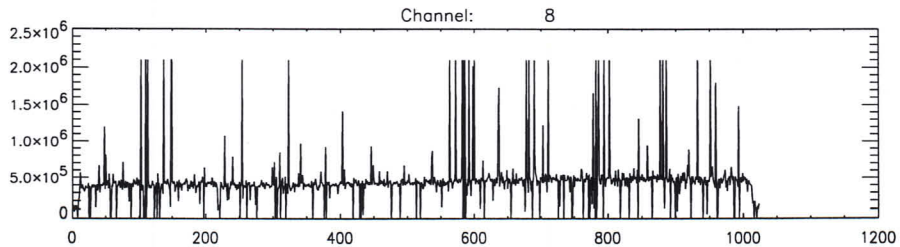
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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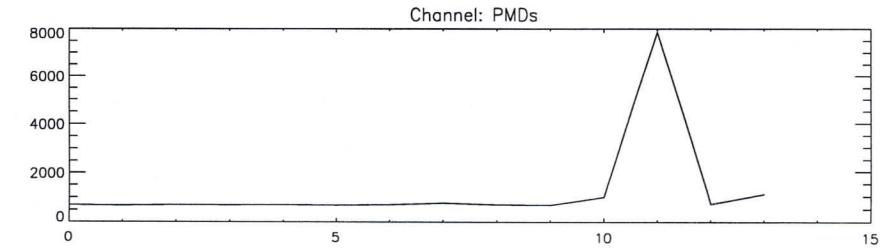
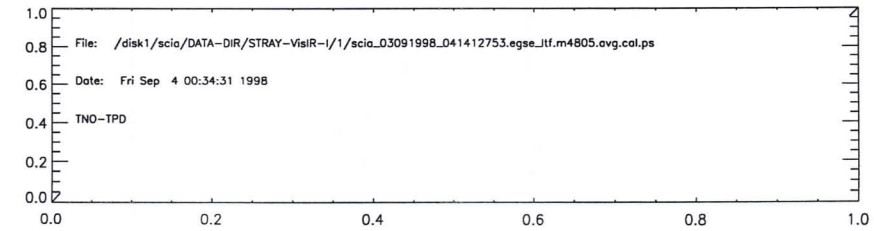
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4805.avg.cal.ps
Date: Fri Sep 4 00:34:31 1998
TNO-TPD
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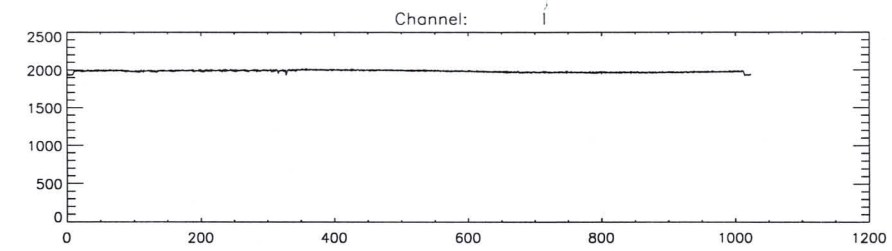
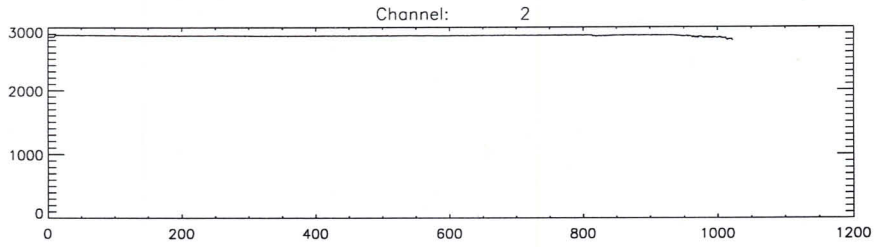
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
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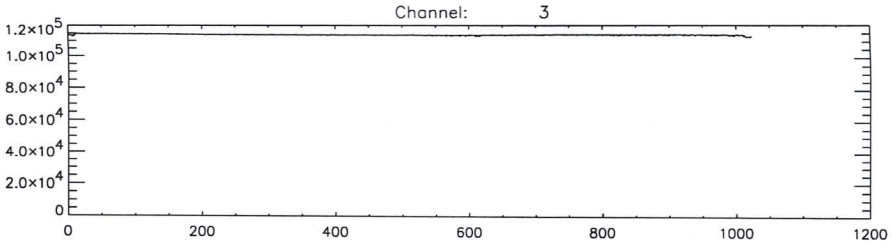
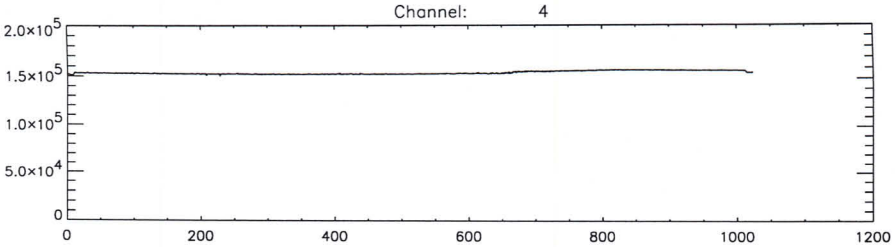
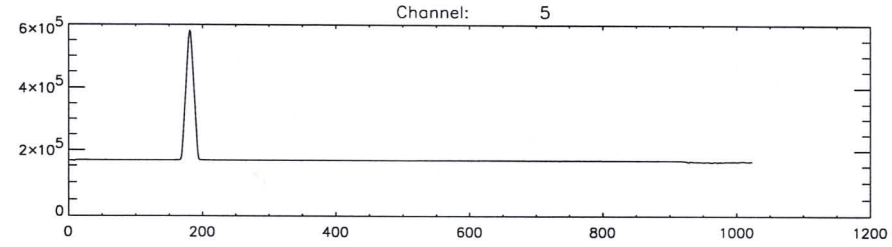
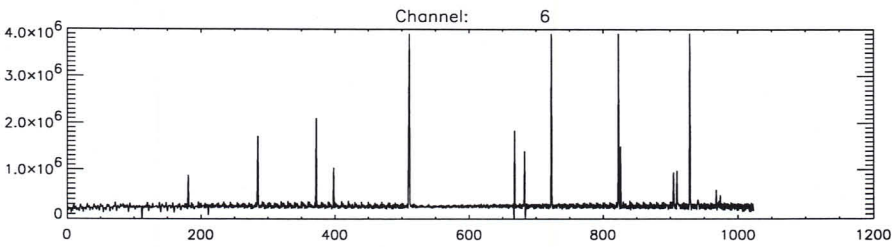
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
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: 5
6×10^5
4×10^5
2×10^5
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
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0
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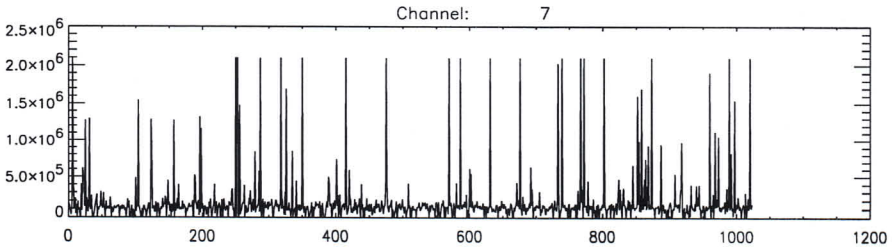
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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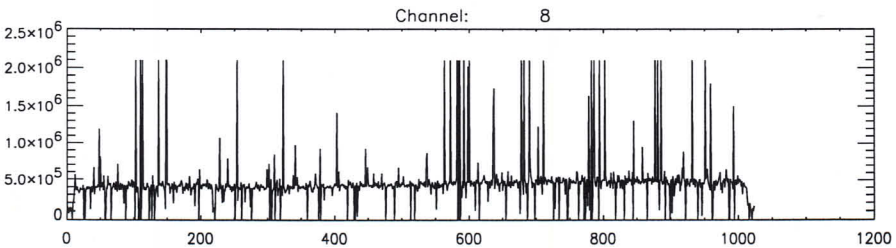
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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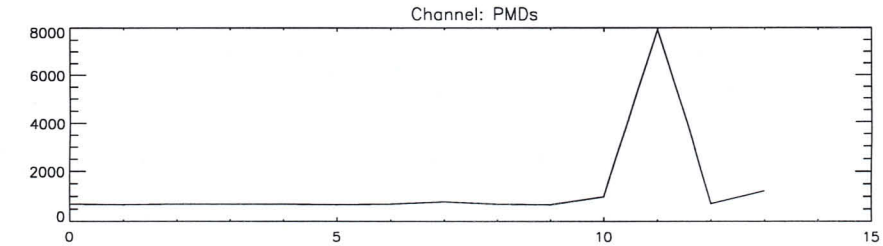
600
800
1000
1200


Channel: PMDs
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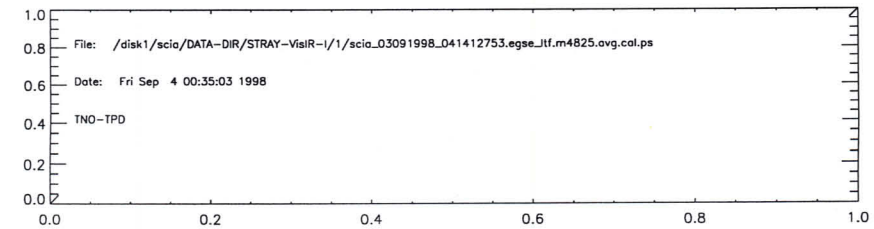
6000
4000
2000
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4825.avg.cal.ps
Date: Fri Sep 4 00:35:03 1998
TNO-TPD
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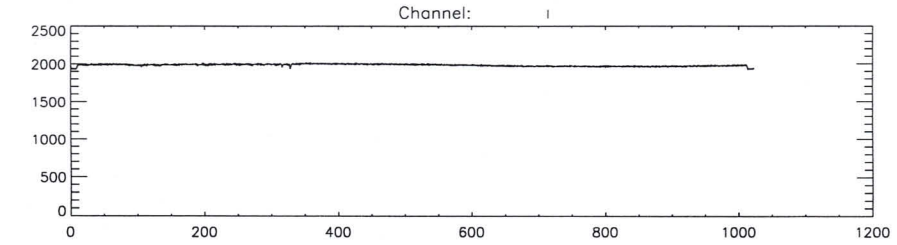
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
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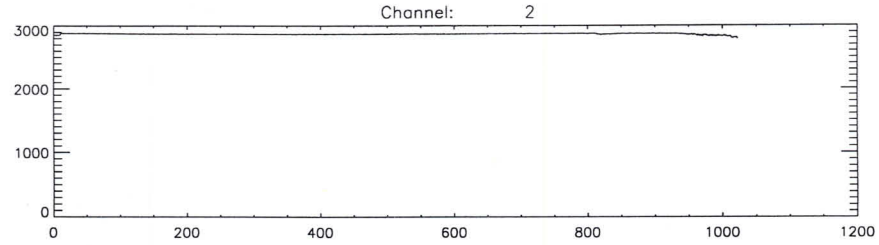
400
600
800
1000
1200


Channel: 2
3000
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600
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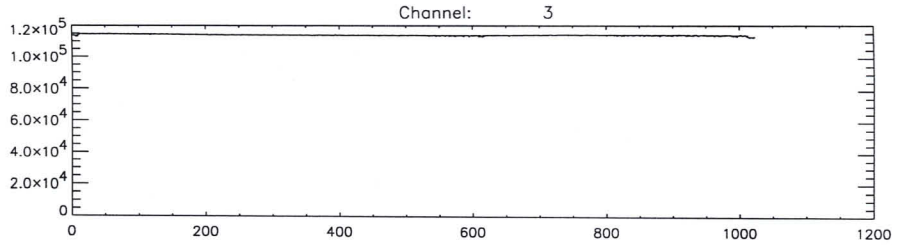
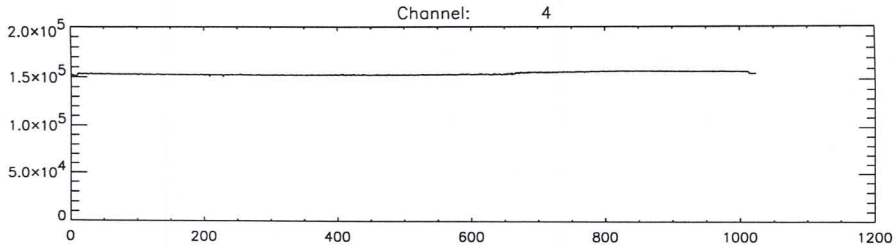
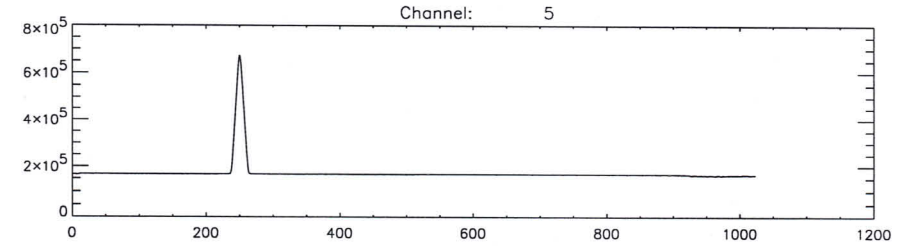
1000
1200


Channel: 3
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: 4
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: 5
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6×10^5
4×10^5
2×10^5
0
0
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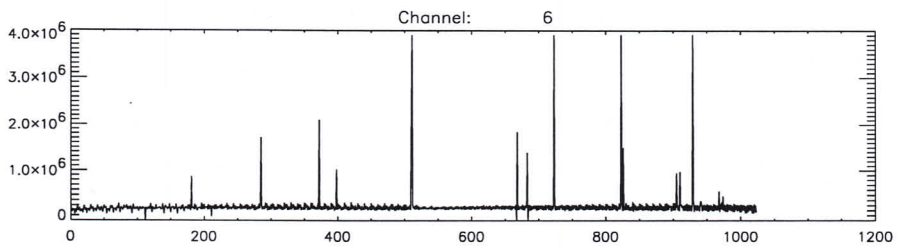
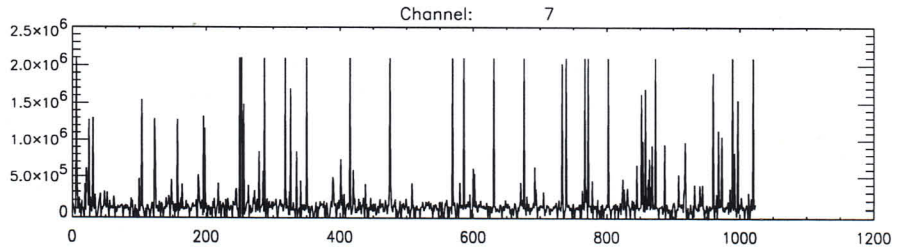
600
800
1000
1200


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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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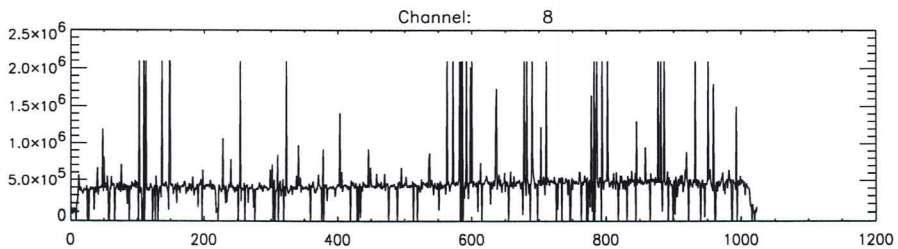
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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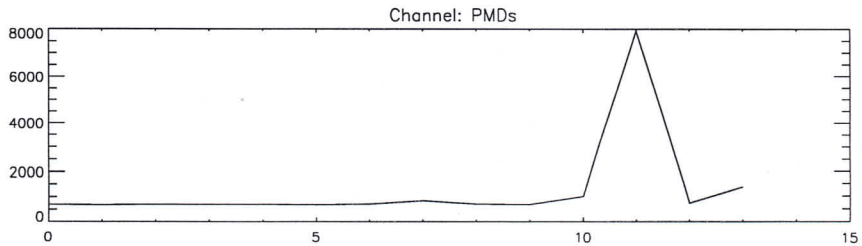
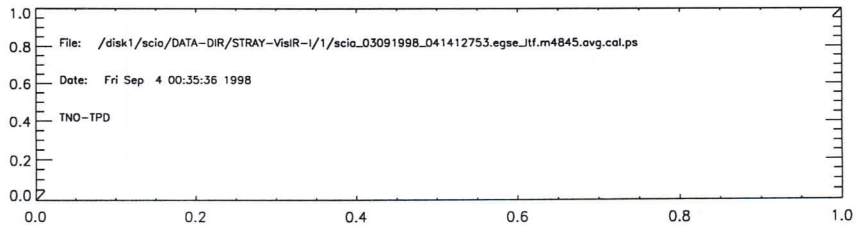
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4845.avg.cal.ps
Date: Fri Sep 4 00:35:36 1998
TNO-TPD
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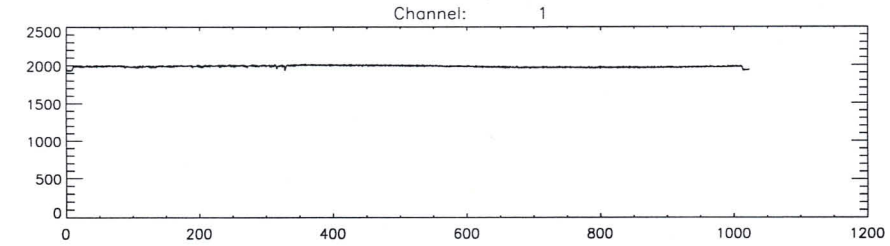
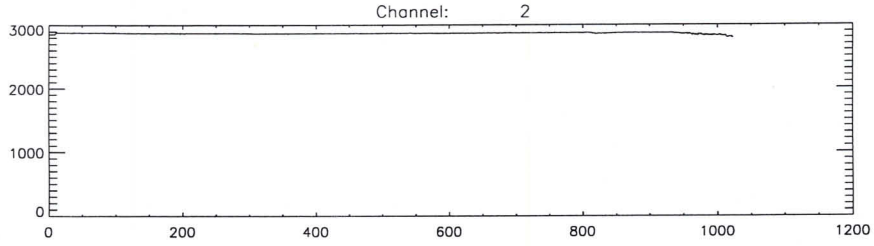
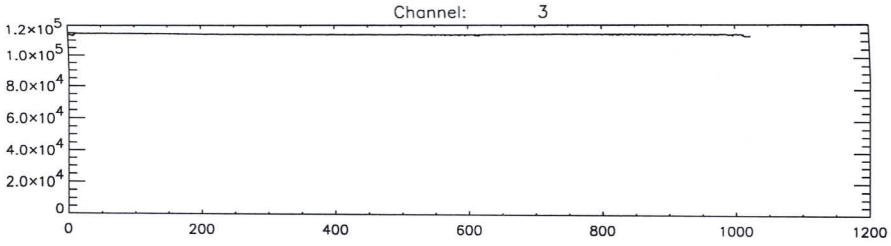
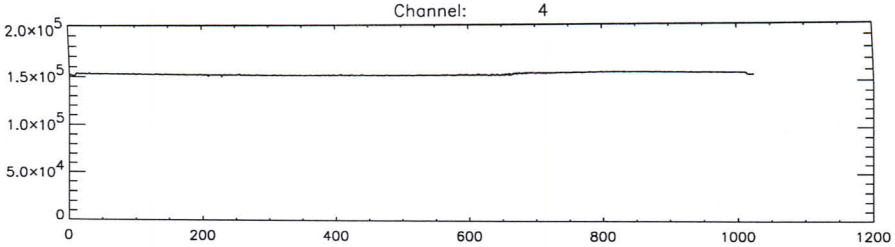
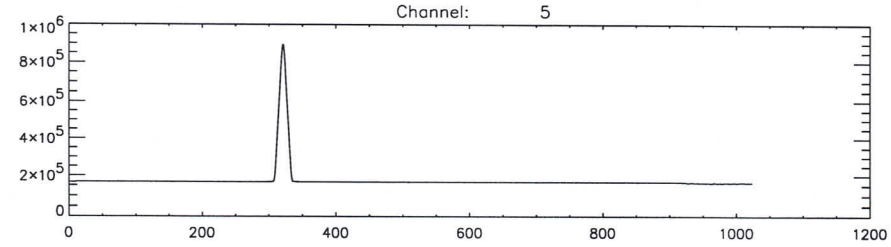
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
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: 5
1×10^6
8×10^5
6×10^5
4×10^5
2×10^5
0
0
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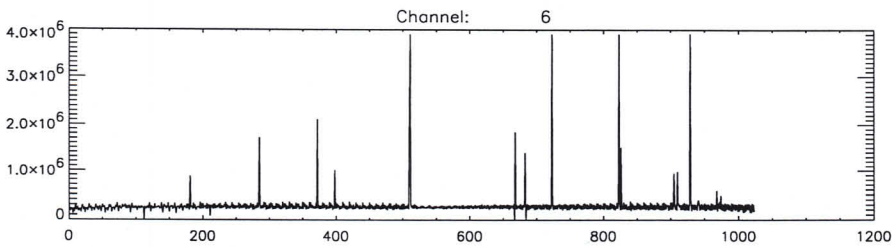
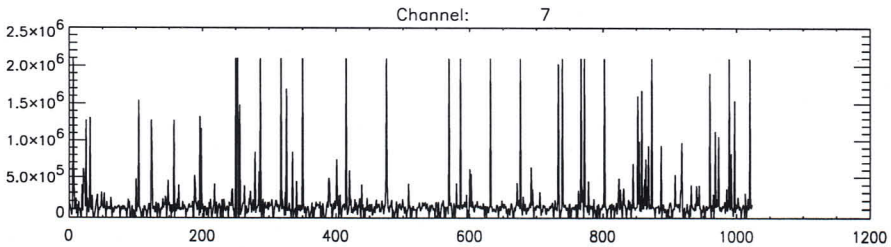
400
600
800
1000
1200


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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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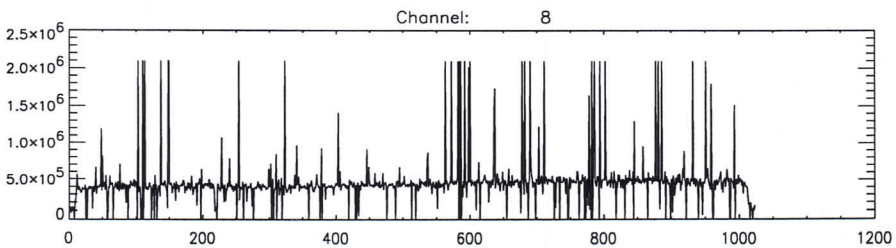
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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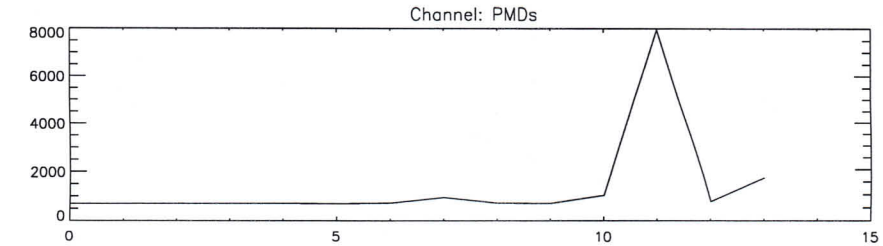
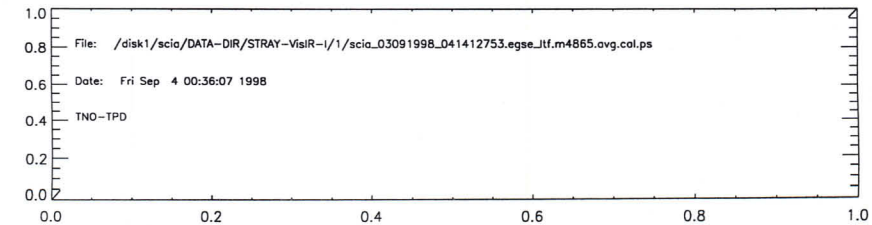
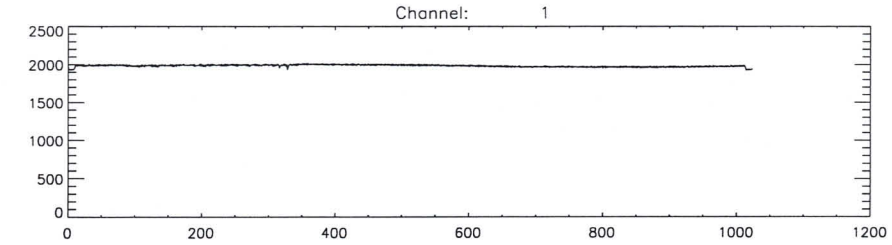
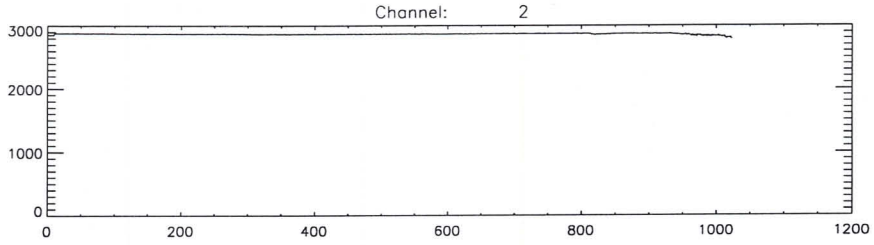
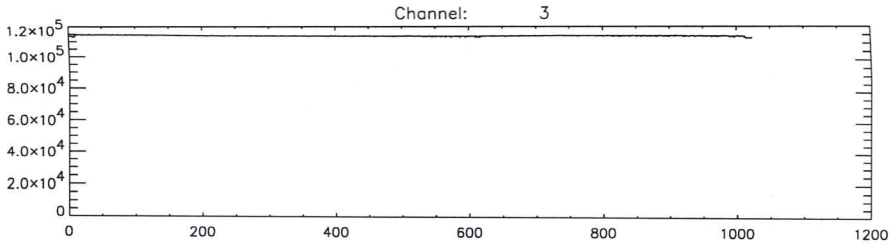
600
800
1000
1200

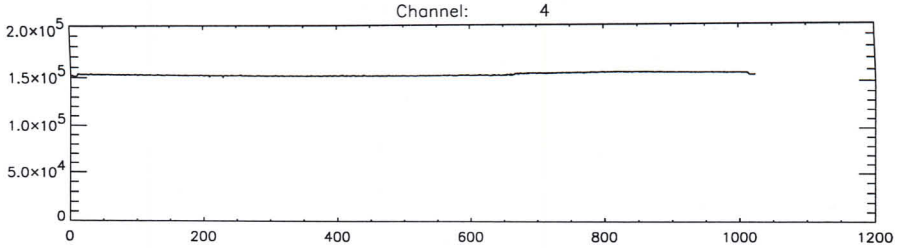

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

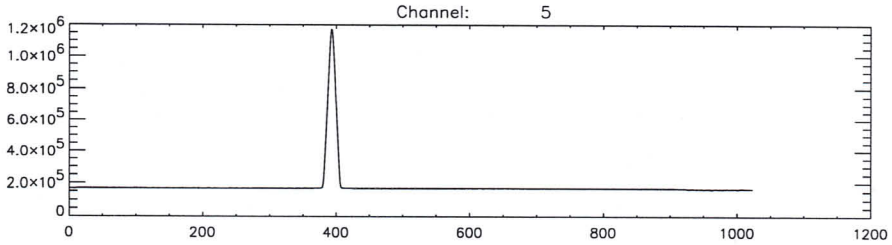

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m4865.avg.cal.ps
Date: Fri Sep 4 00:36:07 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

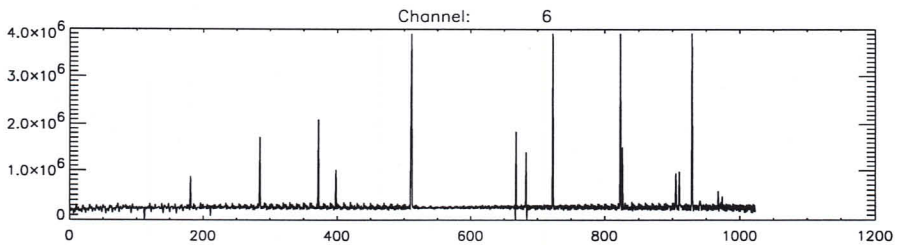

Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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: 4
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: 5
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: 6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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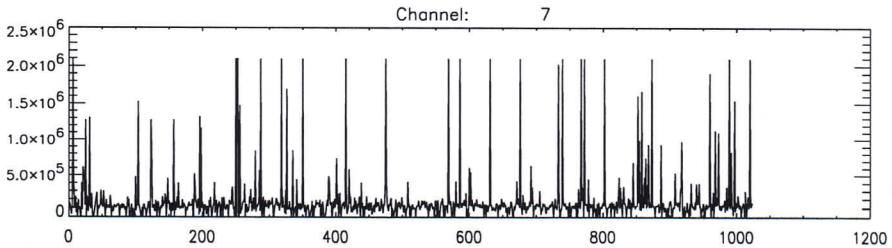
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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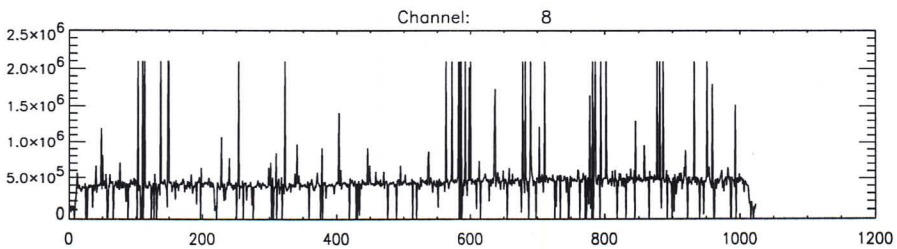
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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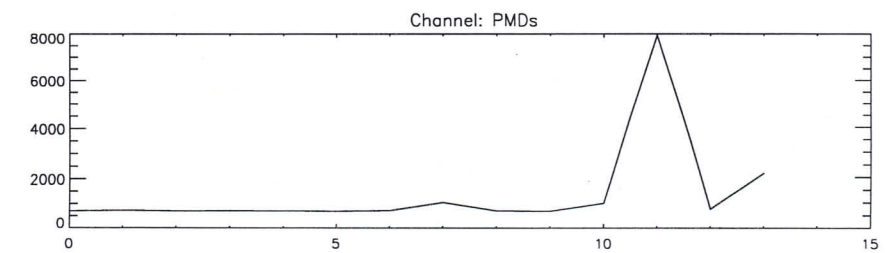
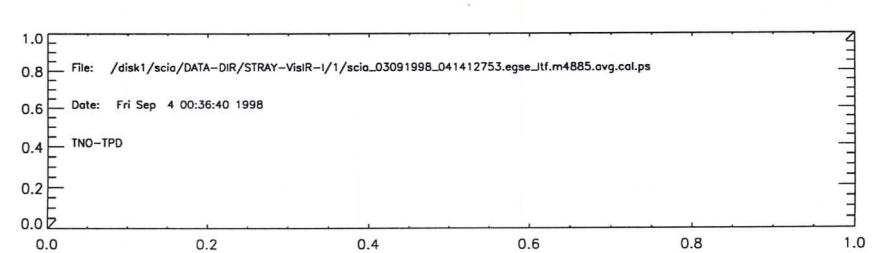
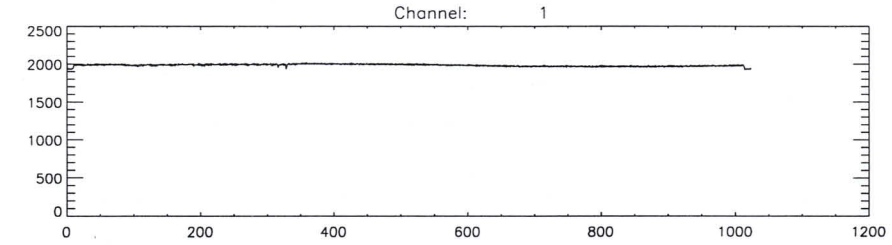
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4885.avg.cal.ps
Date: Fri Sep 4 00:36:40 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
2500
2000
1500
1000
500
0
0
200
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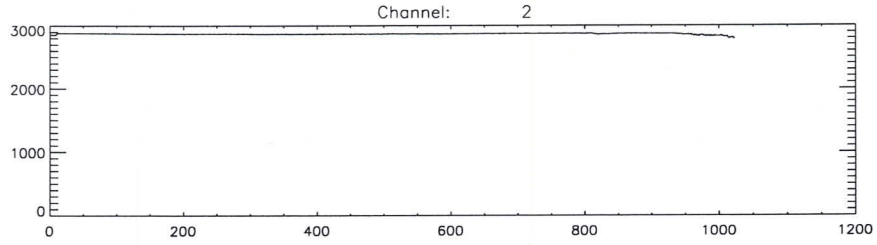
600
800
1000
1200


Channel: 2
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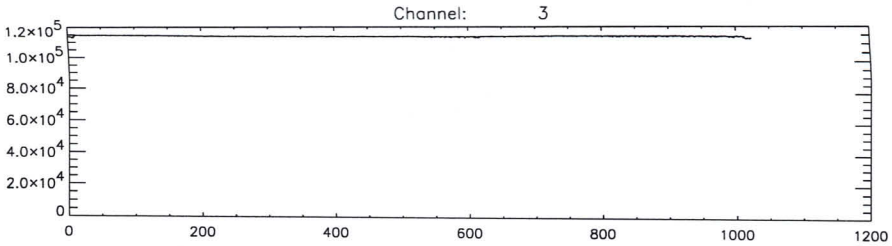
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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
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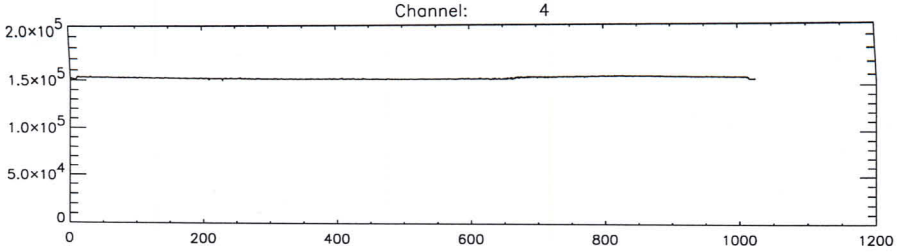
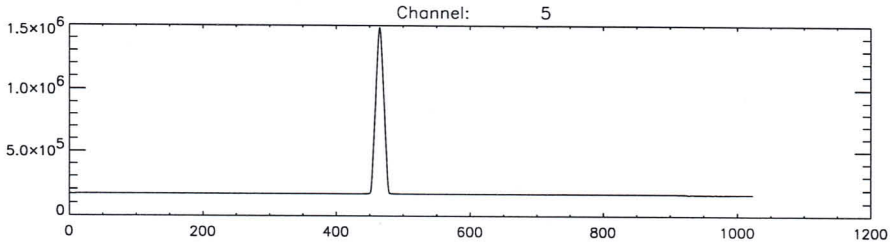
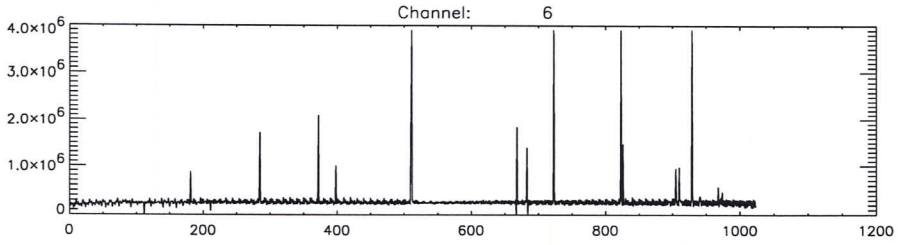
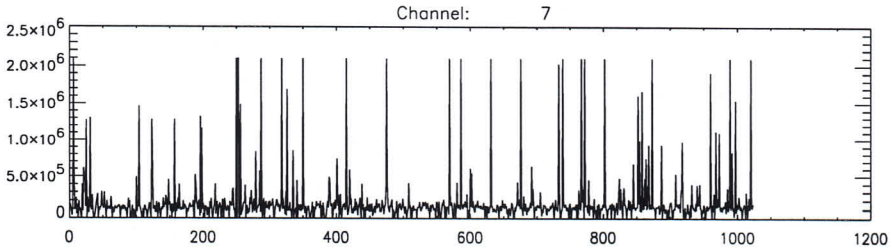
600
800
1000
1200


Channel: 4
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: 5
1.5×10^6
1.0×10^6
5.0×10^5
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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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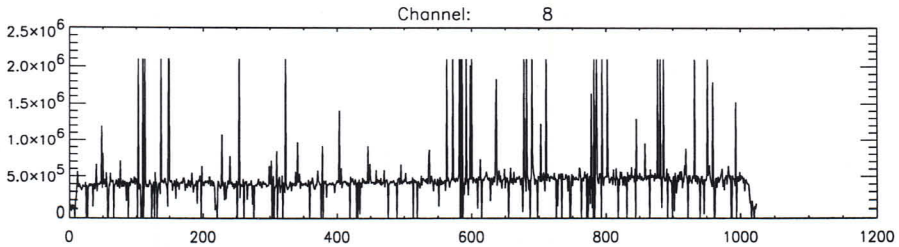
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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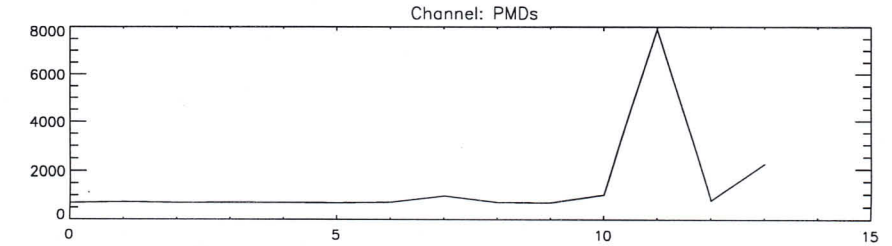
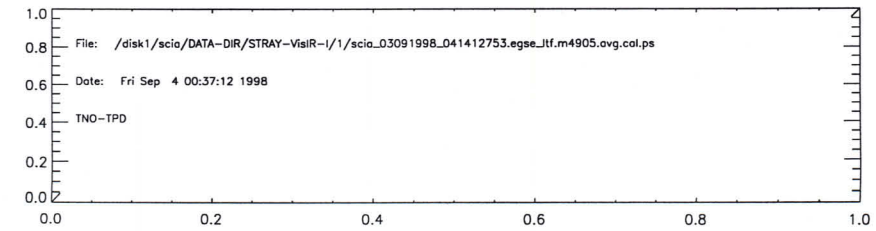
600
800
1000
1200


Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15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Date: Fri Sep 4 00:37:12 1998
TNO-TPD
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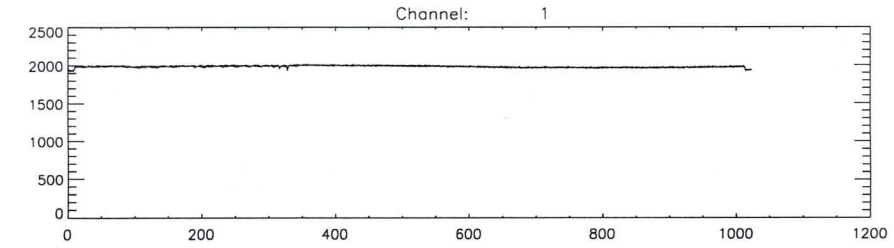
0.2
0.4
0.6
0.8
1.0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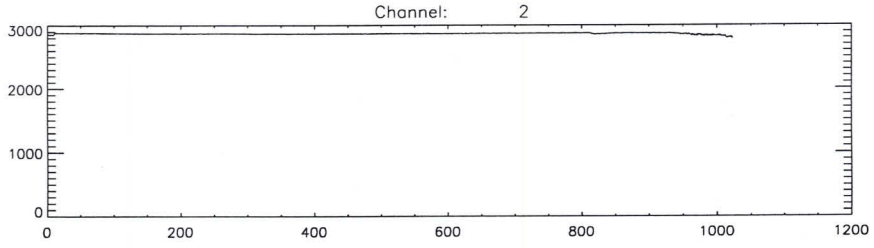
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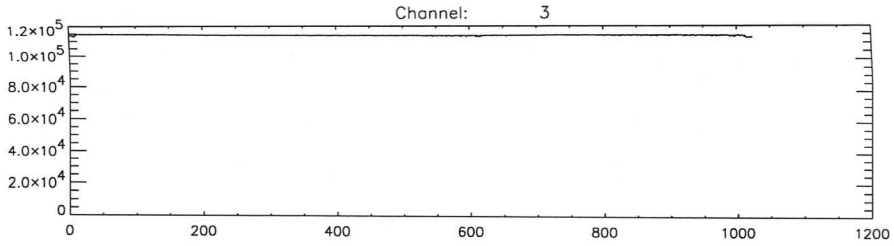
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2.0×10^4
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1000
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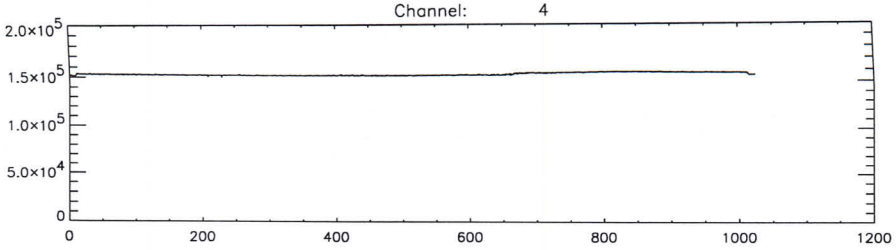
Channel: 4
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1.0×10^5
5.0×10^4
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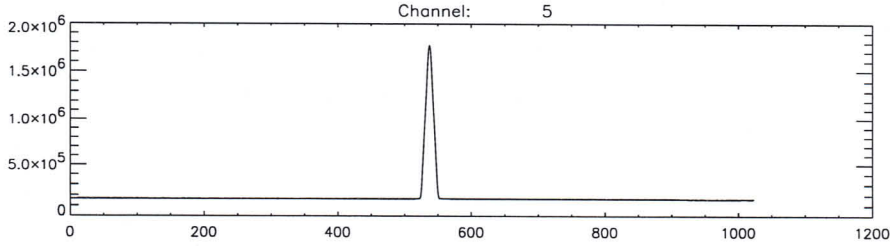
1000
1200


Channel: 5
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5.0×10^5
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1000
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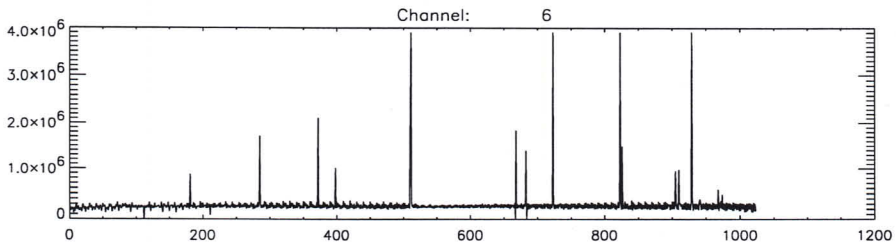
Channel: 6
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2.0×10^6
1.0×10^6
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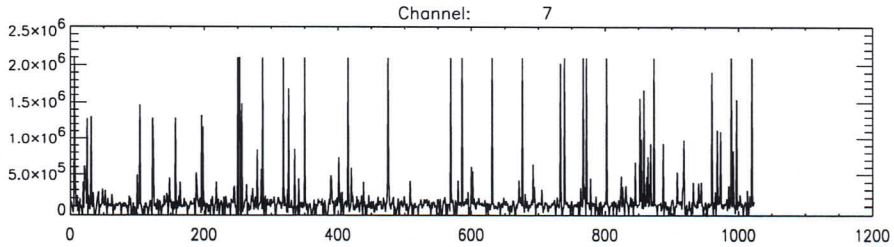
800
1000
1200


Channel: 7
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1.5×10^6
1.0×10^6
5.0×10^5
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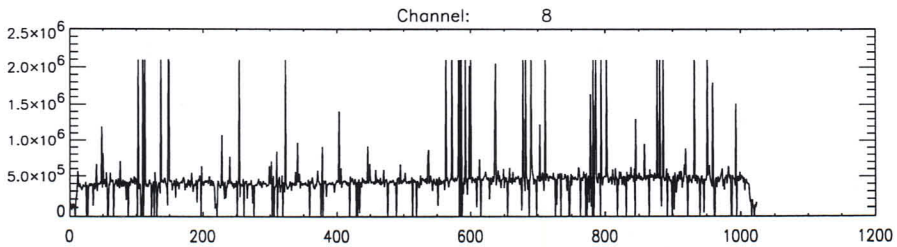
600
800
1000
1200


Channel: 8
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1.5×10^6
1.0×10^6
5.0×10^5
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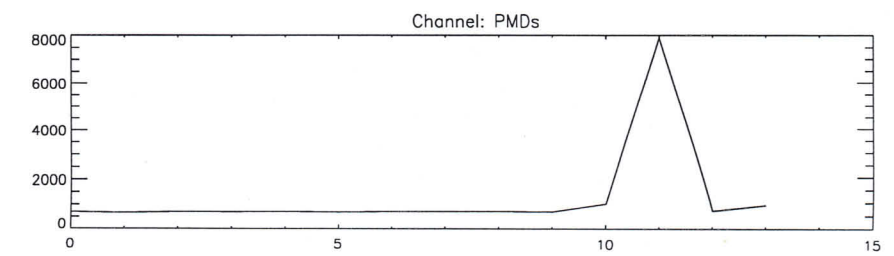
600
800
1000
1200


Channel: PMDs
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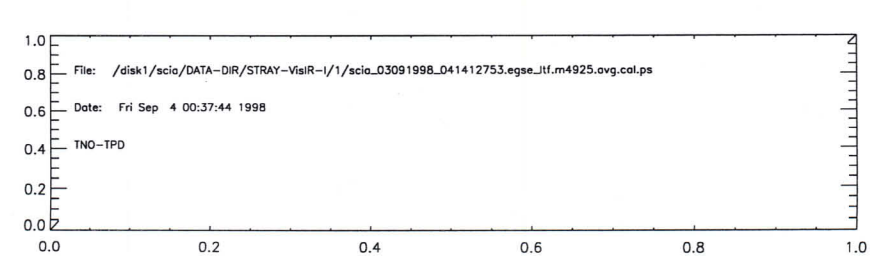
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m4925.avg.cal.ps
Date: Fri Sep 4 00:37:44 1998
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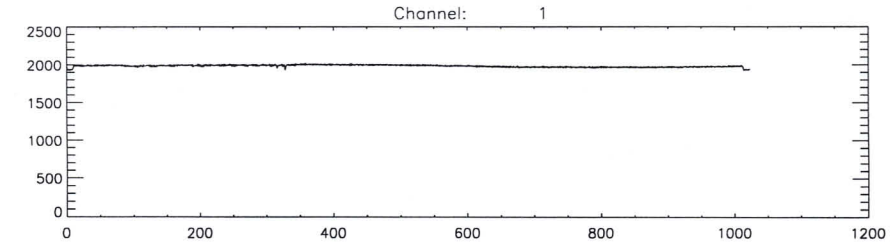
0.0
0.2
0.4
0.6
0.8
1.0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500
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600
800
1000
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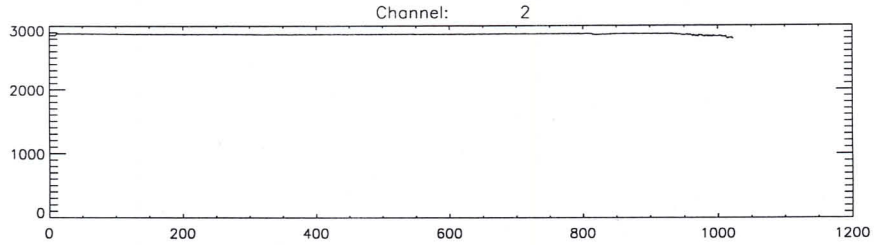
Channel: 2
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1000
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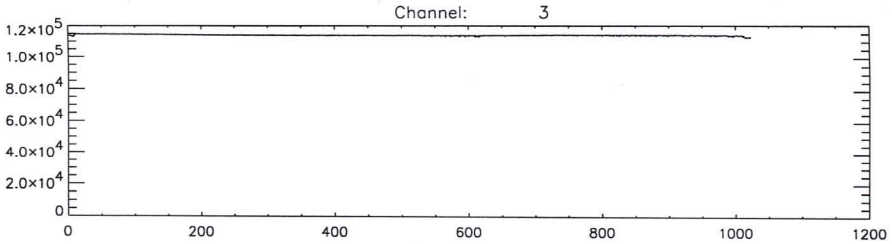
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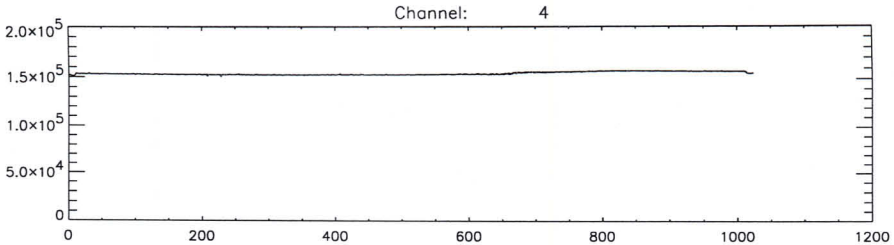
600
800
1000
1200


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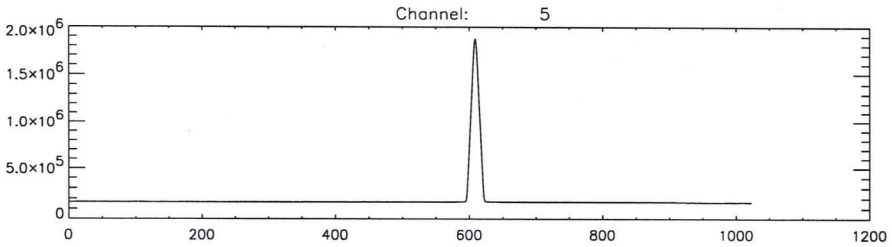
600
800
1000
1200


Channel: 5
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1.0×10^6
5.0×10^5
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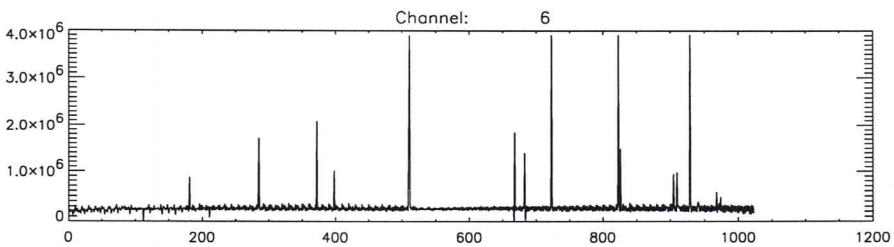
600
800
1000
1200


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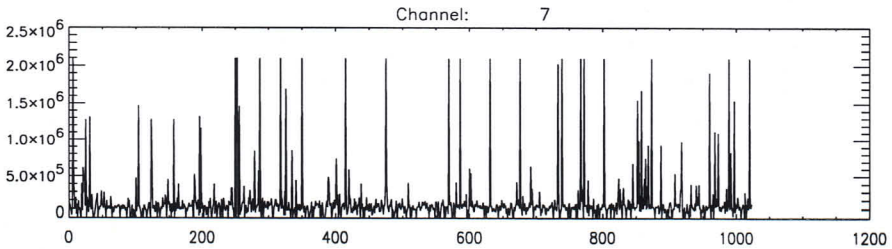
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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600
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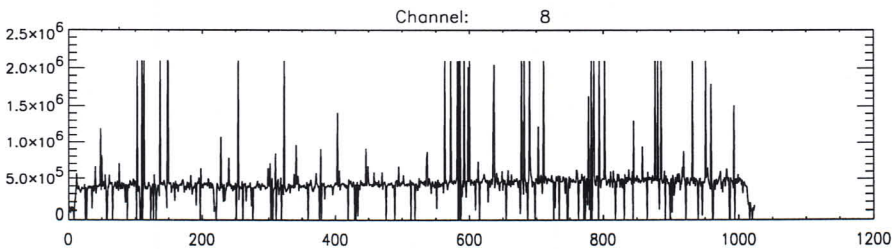
1000
1200


Channel: 8
2.5×10^6
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1.5×10^6
1.0×10^6
5.0×10^5
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1000
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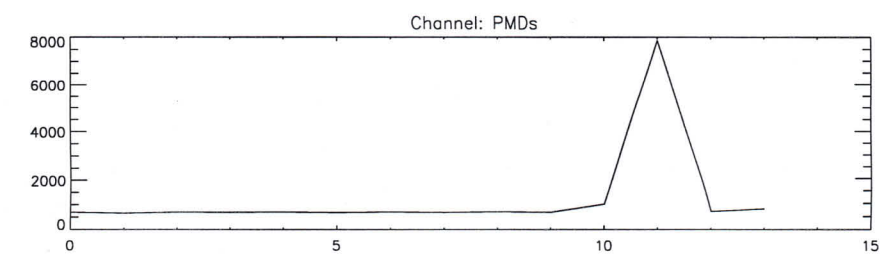
Channel: PMDs
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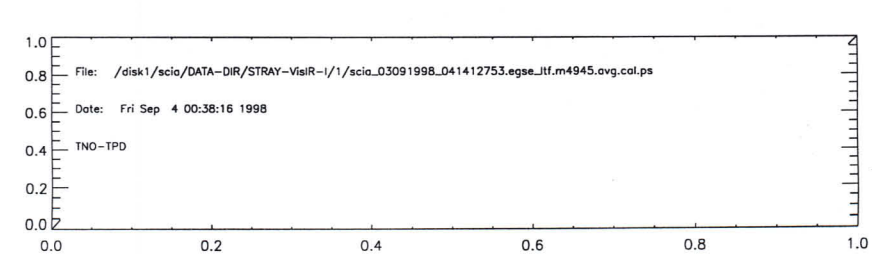
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.m4945.avg.cal.ps
Date: Fri Sep 4 00:38:16 1998
TNO-TPD
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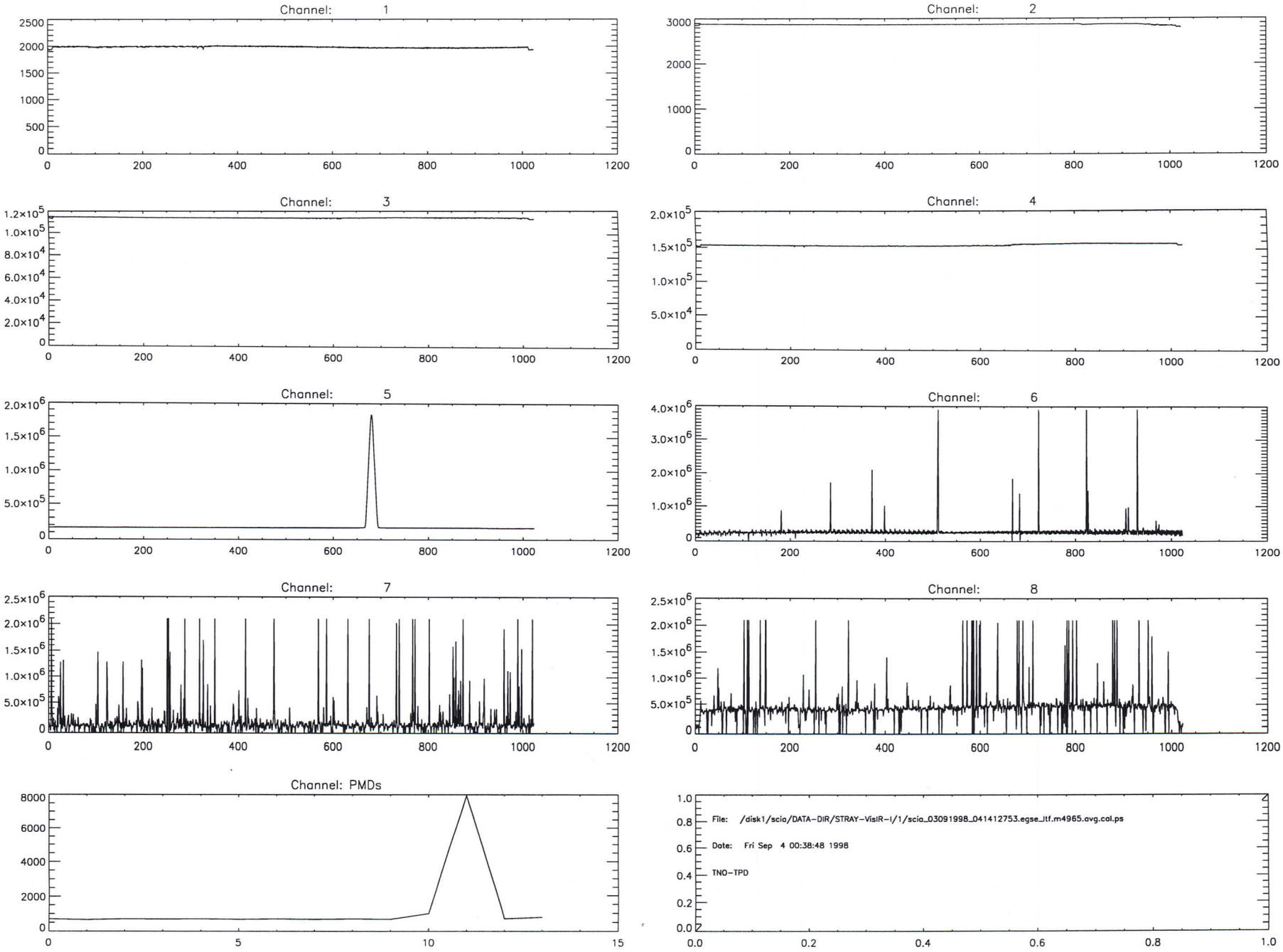
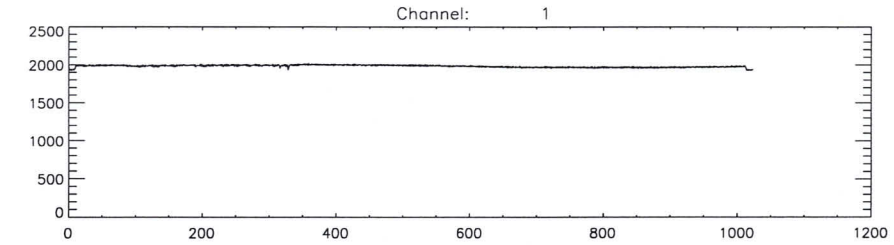
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4965.avg.col.ps
Date: Fri Sep 4 00:38:48 1998
TNO-TPD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1000
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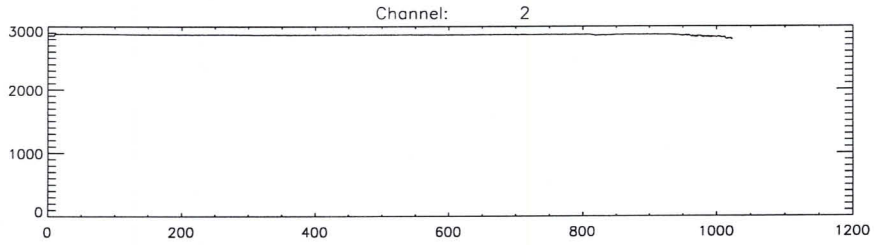
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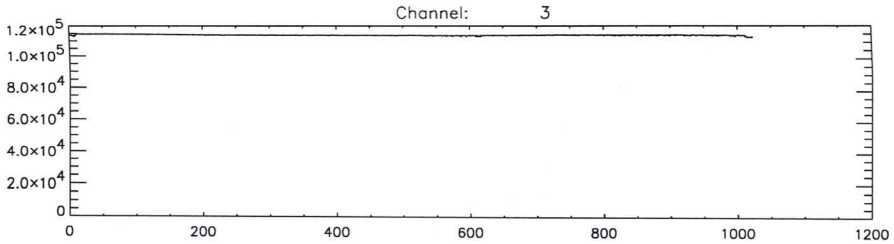
Channel: 3
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1.0×10^5
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6.0×10^4
4.0×10^4
2.0×10^4
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1000
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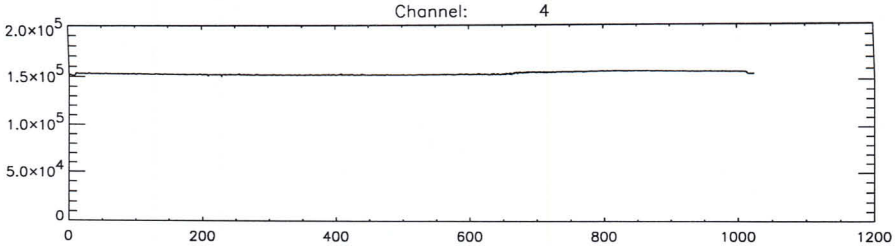
Channel: 4
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1.0×10^5
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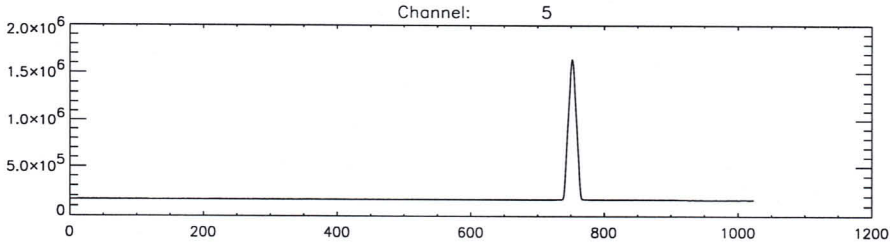
Channel: 5
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1.0×10^6
5.0×10^5
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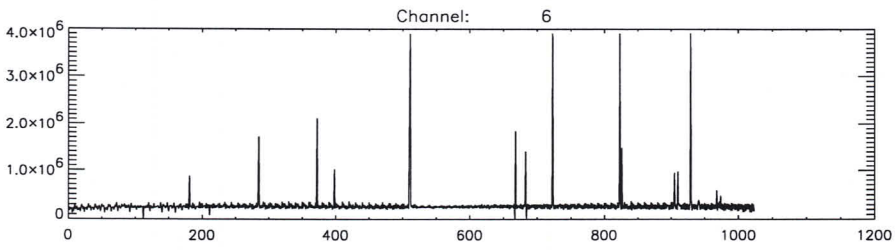
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2.0×10^6
1.0×10^6
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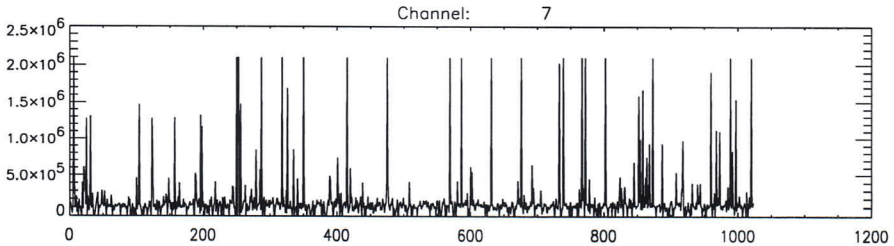
1000
1200


Channel: 7
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1.0×10^6
5.0×10^5
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600
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1000
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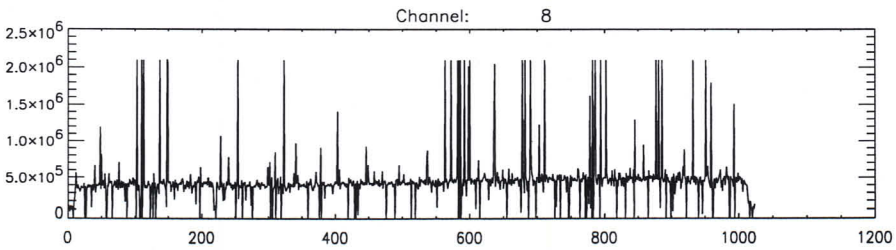
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1.0×10^6
5.0×10^5
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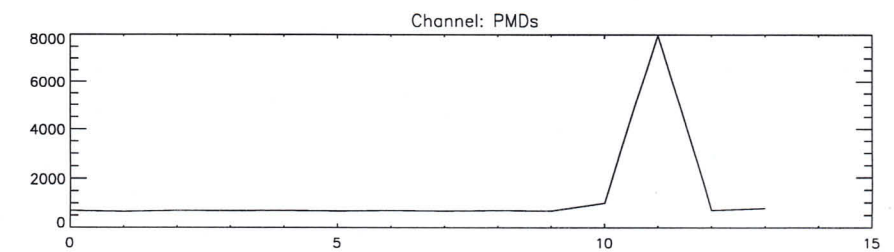
1000
1200


Channel: PMDs
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0
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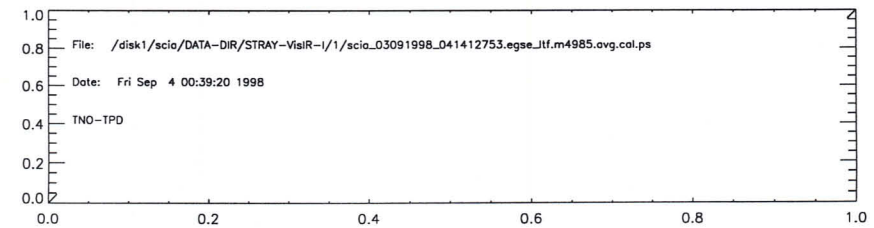
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m4985.avg.cal.ps
Date: Fri Sep 4 00:39:20 1998
TNO-TPD
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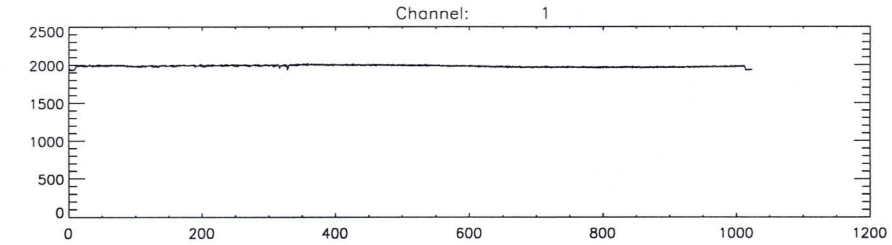
0.2
0.4
0.6
0.8
1.0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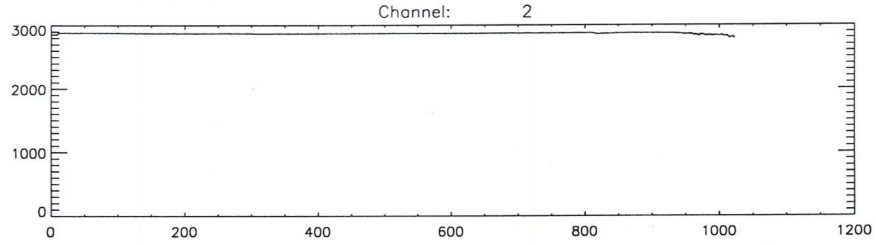
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1000
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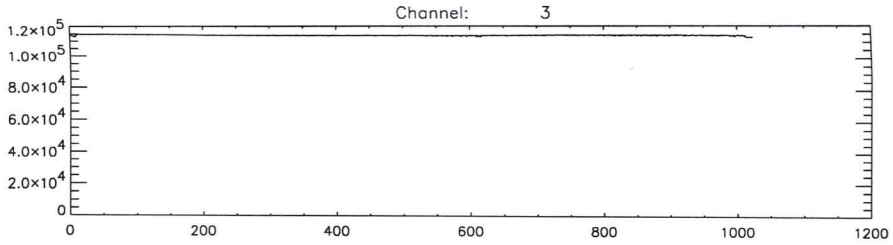
Channel: 3
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1.0×10^5
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6.0×10^4
4.0×10^4
2.0×10^4
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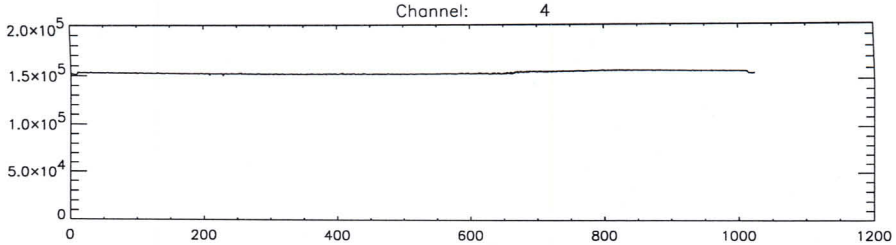
1000
1200


Channel: 4
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1.0×10^5
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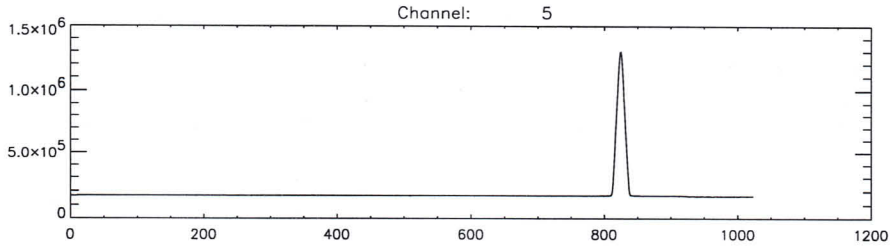
1200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1.0×10^6
5.0×10^5
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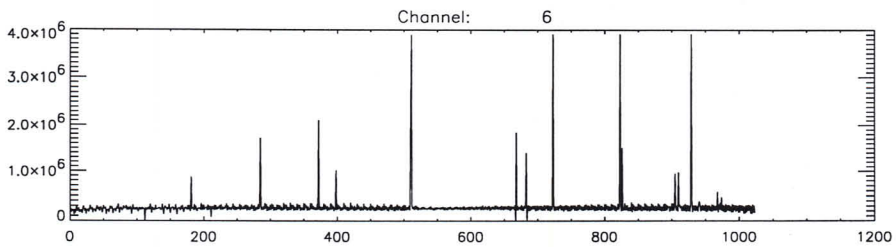
Channel: 6
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3.0×10^6
2.0×10^6
1.0×10^6
0
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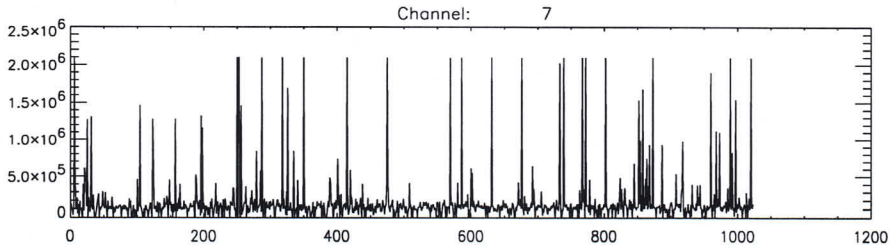
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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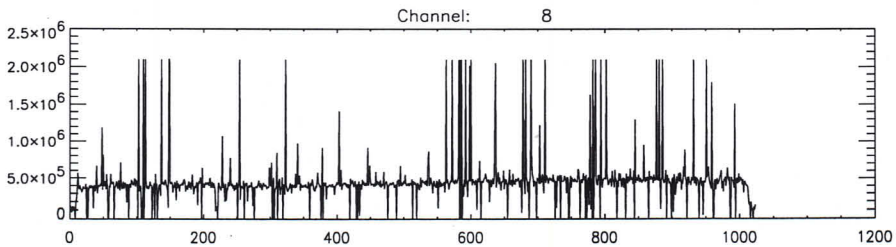
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
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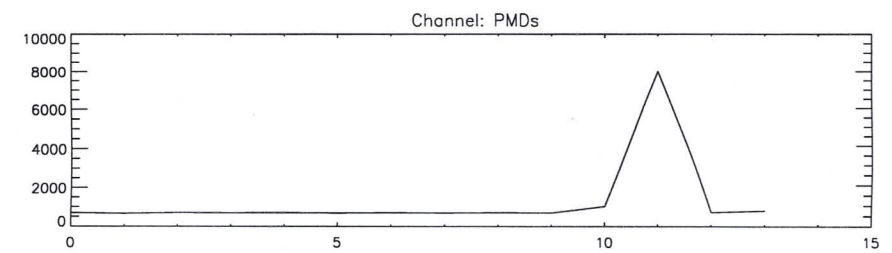
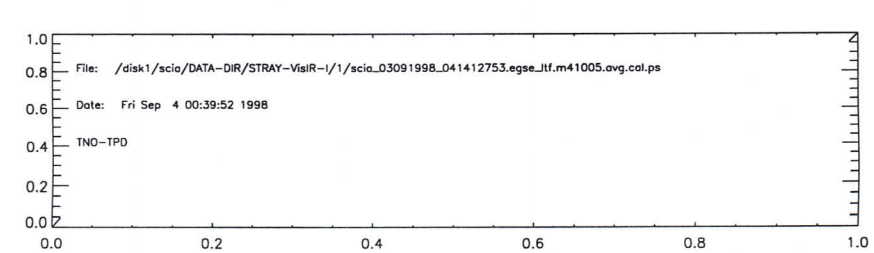
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m41005.avg.cal.ps
Date: Fri Sep 4 00:39:52 1998
TNO-TPD
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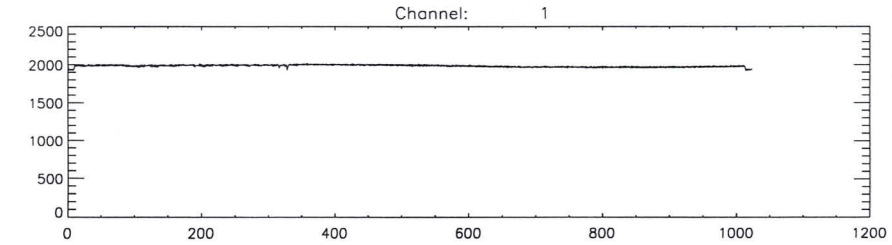
0.2
0.4
0.6
0.8
1.0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1500
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200
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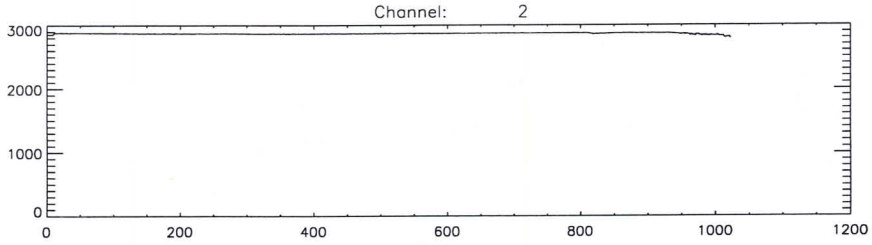
600
800
1000
1200


Channel: 2
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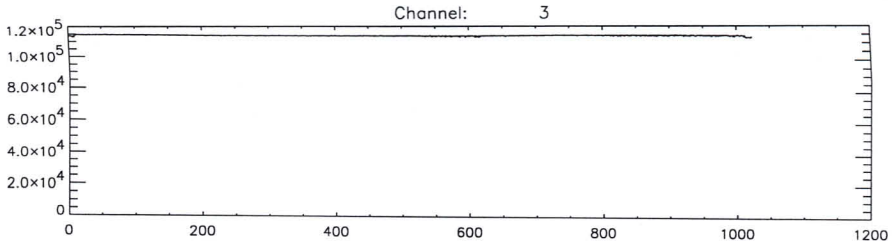
600
800
1000
1200


Channel: 3
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
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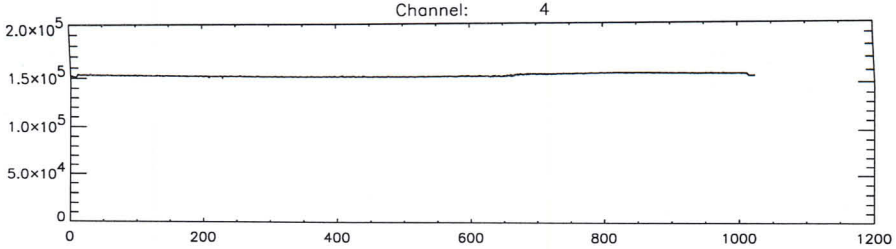
400
600
800
1000
1200


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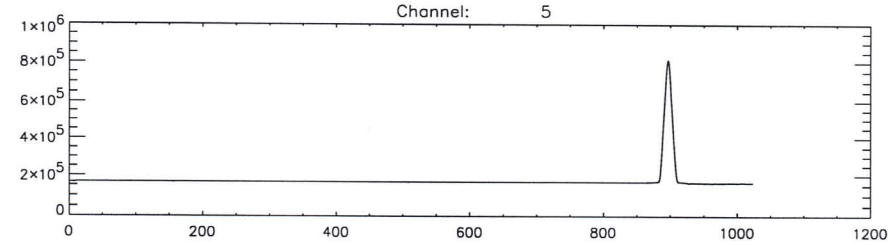
600
800
1000
1200


Channel: 5
1×10^6
8×10^5
6×10^5
4×10^5
2×10^5
0
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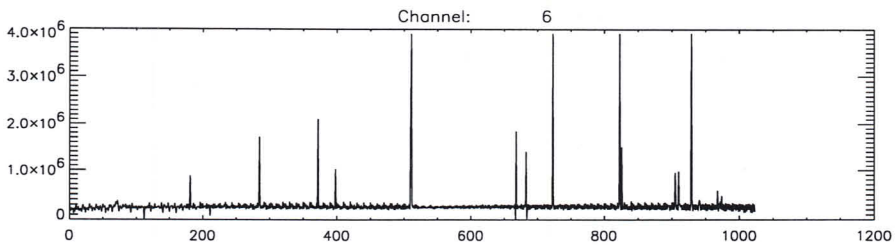
400
600
800
1000
1200


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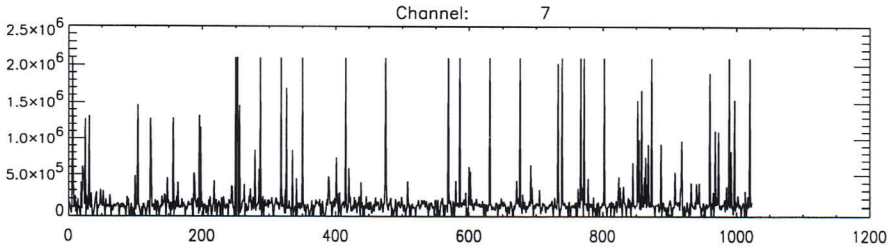
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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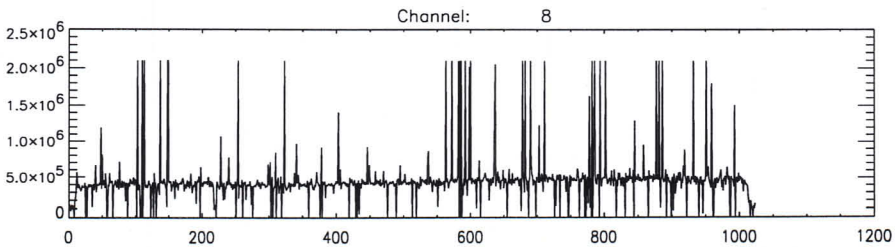
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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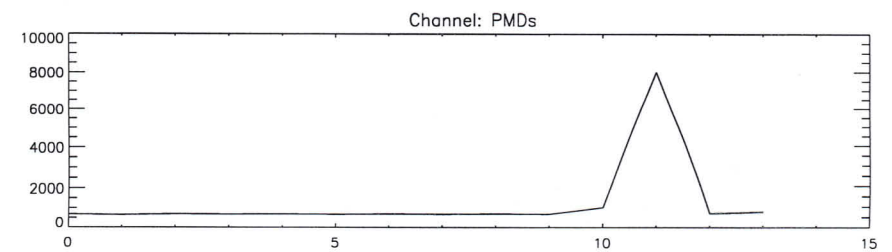
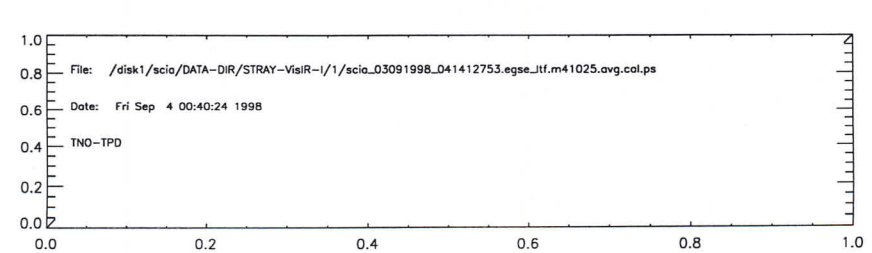
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m41025.avg.col.ps
Date: Fri Sep 4 00:40:24 1998
TNO-TPD
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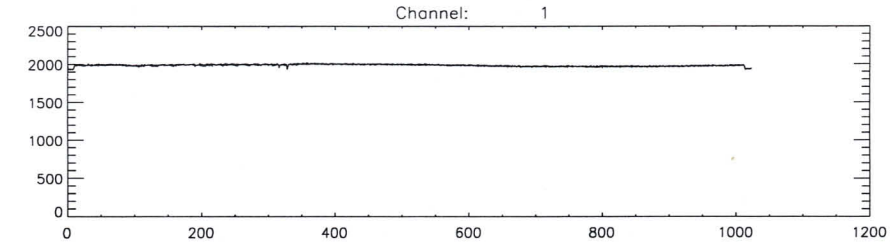
0.2
0.4
0.6
0.8
1.0


Channel: 1
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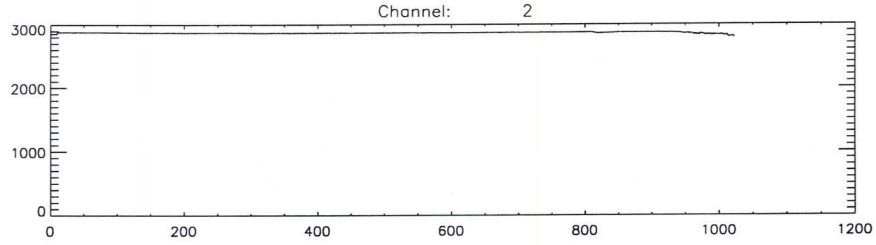
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
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0
0
200
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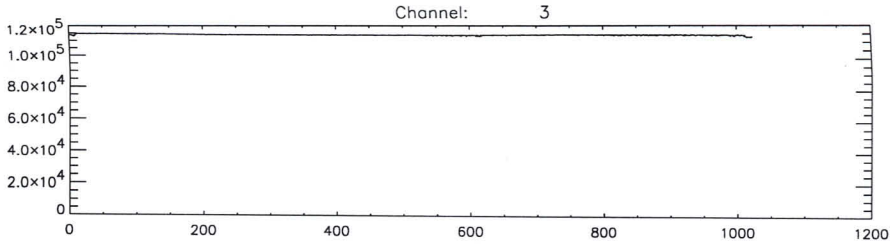
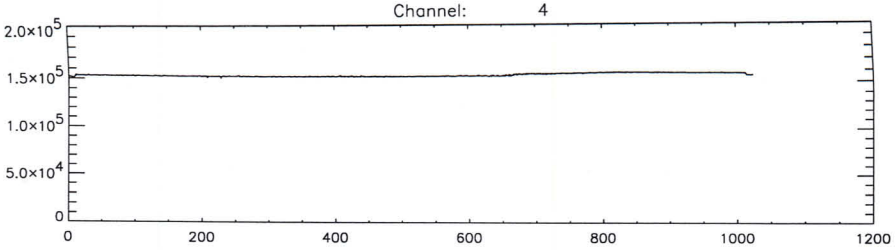
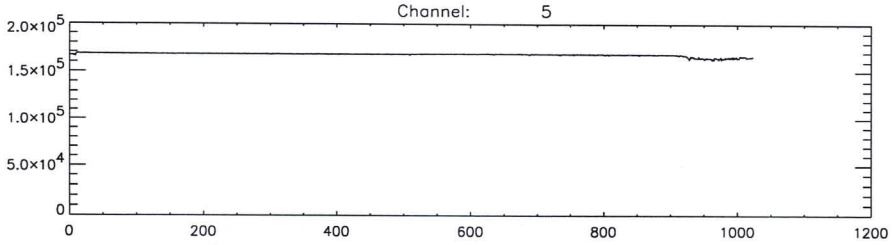
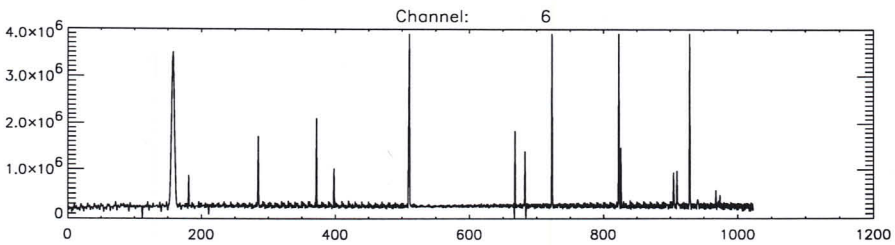
600
800
1000
1200


Channel: 3
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: 4
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: 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: 6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
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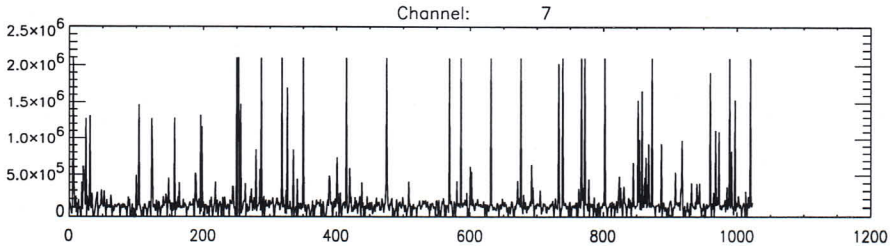
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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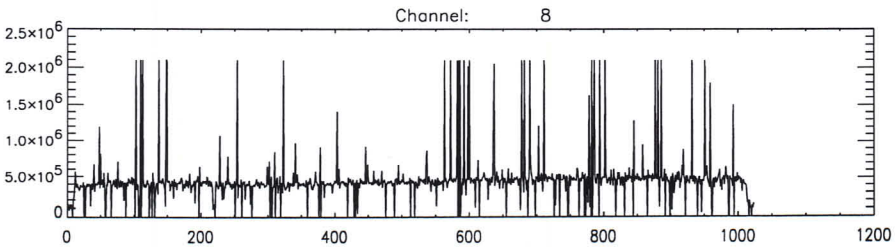
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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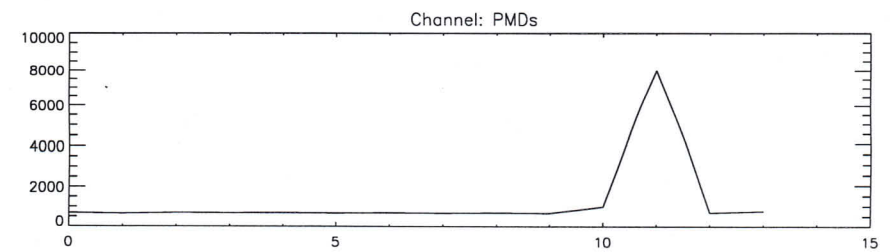
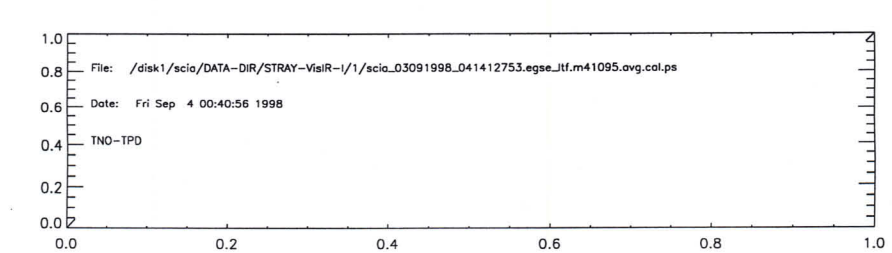
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m41095.avg.cal.ps
Date: Fri Sep 4 00:40:56 1998
TNO-TPD
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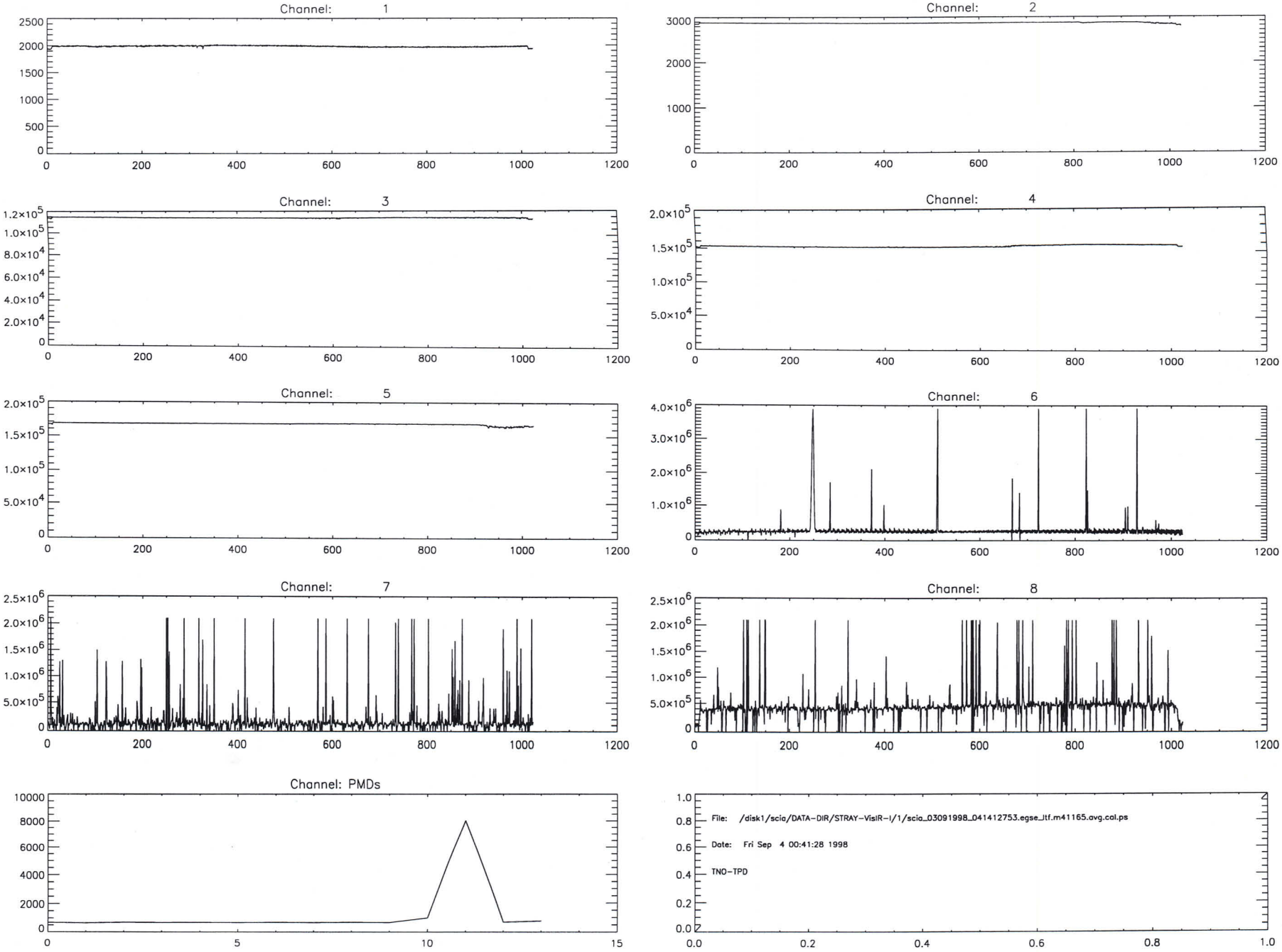
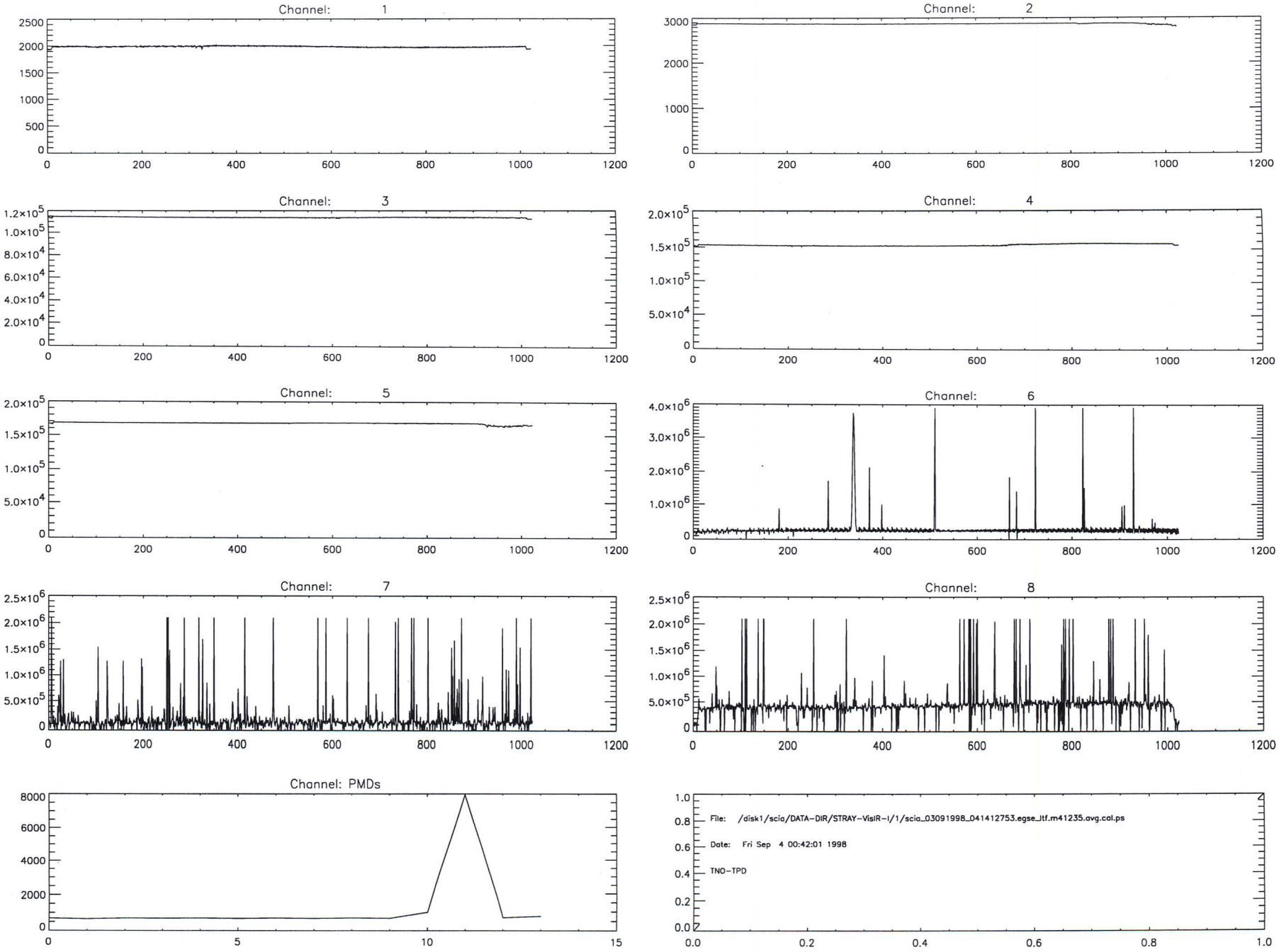
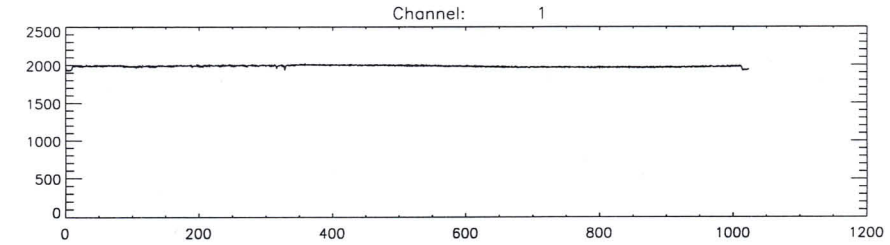
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m41165.avg.cal.ps
Date: Fri Sep 4 00:41:28 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/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m41235.avg.cal.ps
Date: Fri Sep 4 00:42:01 1998
TNO-TPD


Channel: 1
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2000
1500
1000
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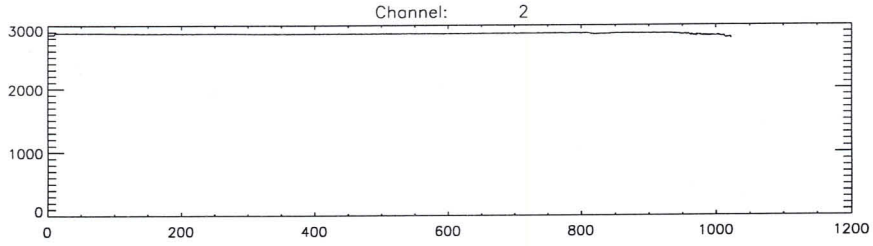
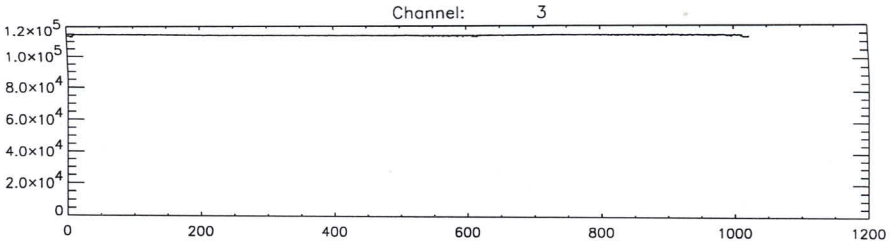
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 3
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
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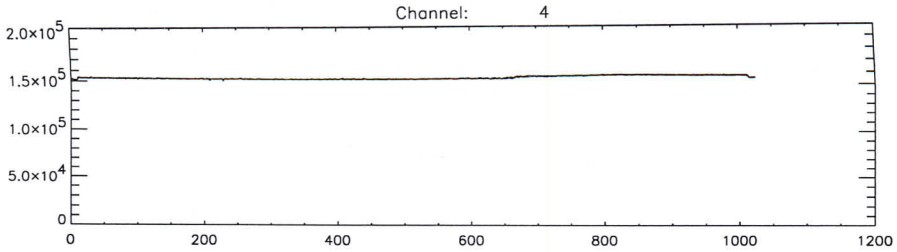
400
600
800
1000
1200


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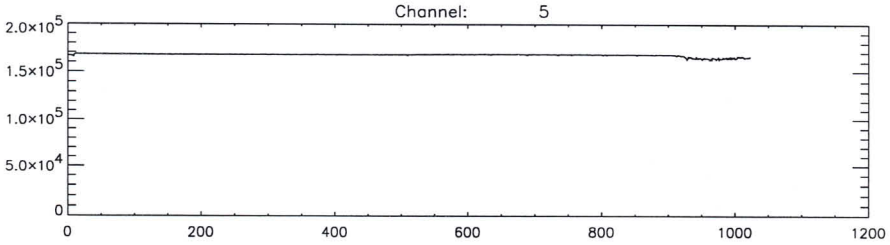
600
800
1000
1200


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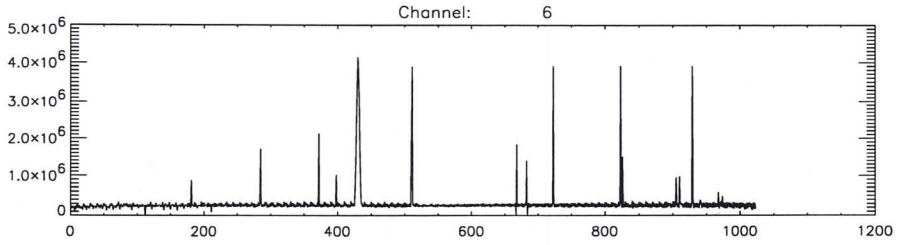
600
800
1000
1200


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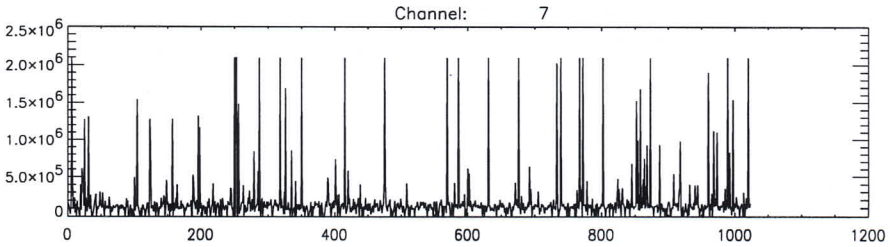
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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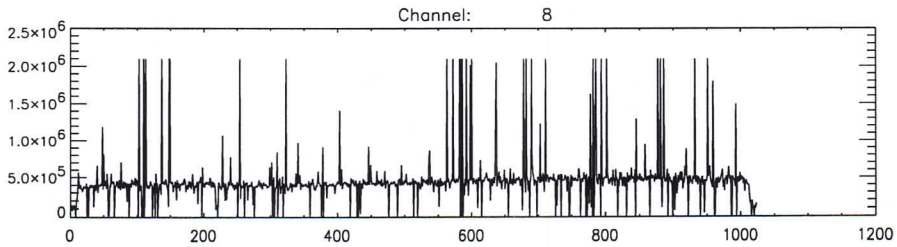
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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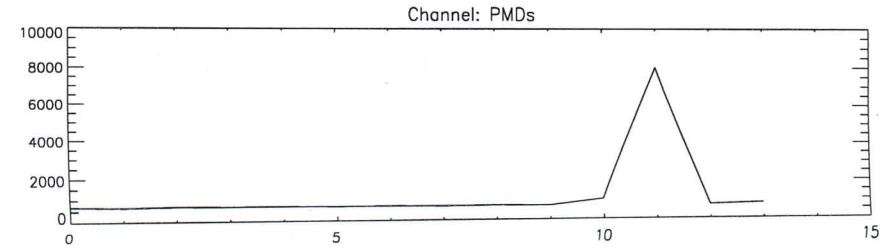
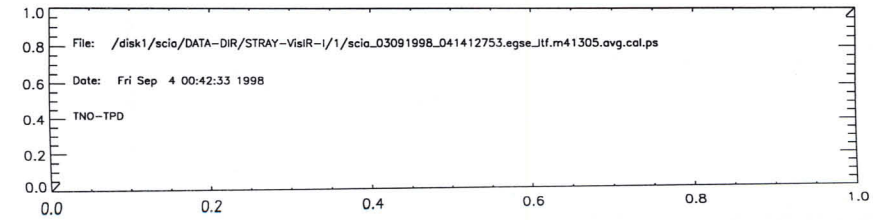
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_ltf.m41305.avg.cal.ps
Date: Fri Sep 4 00:42:33 1998
TNO-TPD
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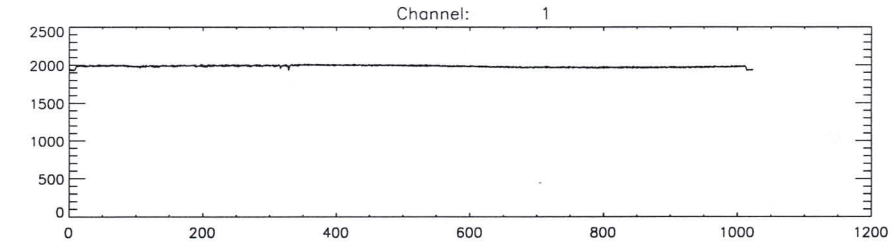
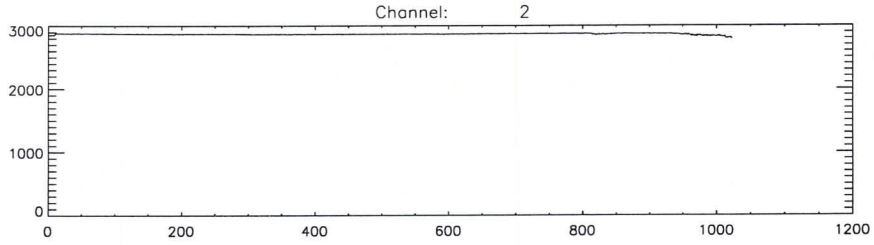
0.2
0.4
0.6
0.8
1.0


Channel: 1
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 2
3000
2000
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0
200
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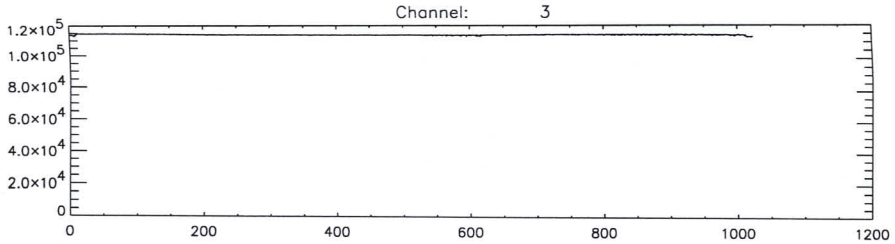
600
800
1000
1200


Channel: 3
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
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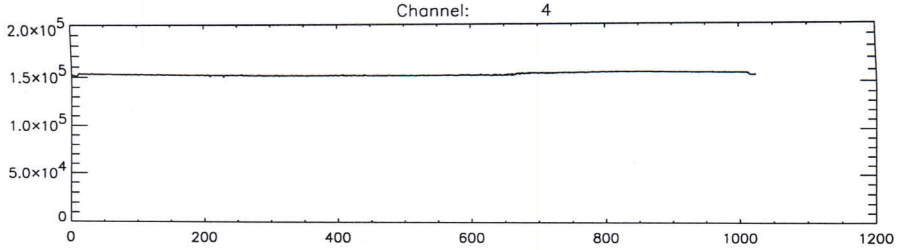
400
600
800
1000
1200


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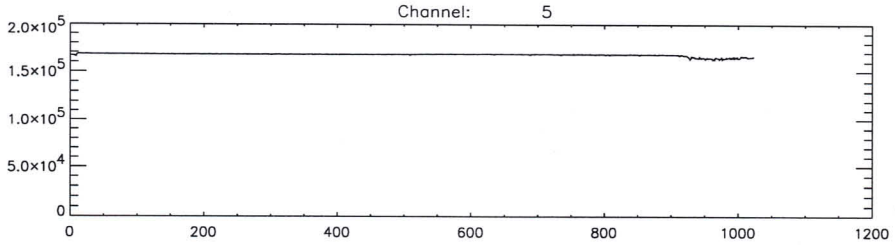
600
800
1000
1200


Channel: 5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
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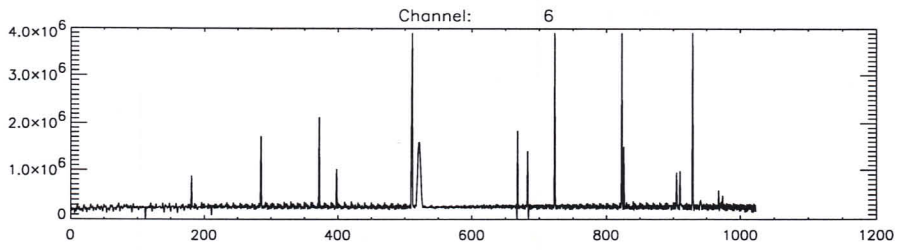
800
1000
1200


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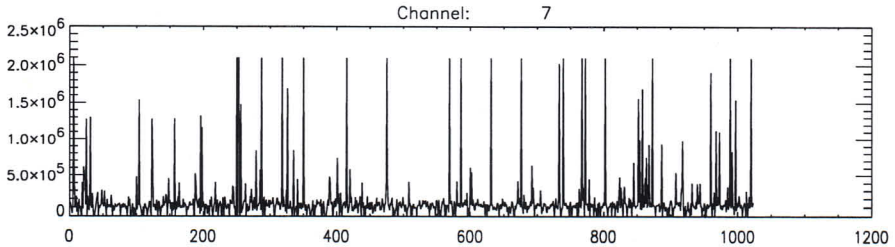
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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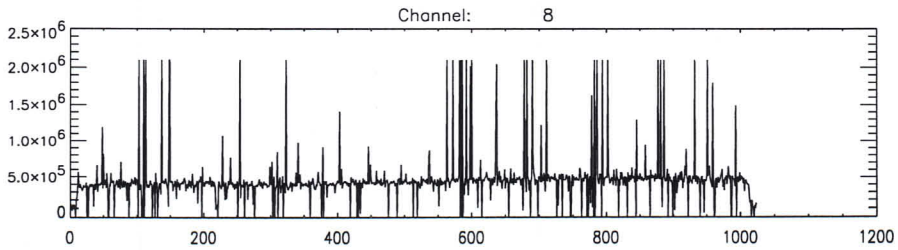
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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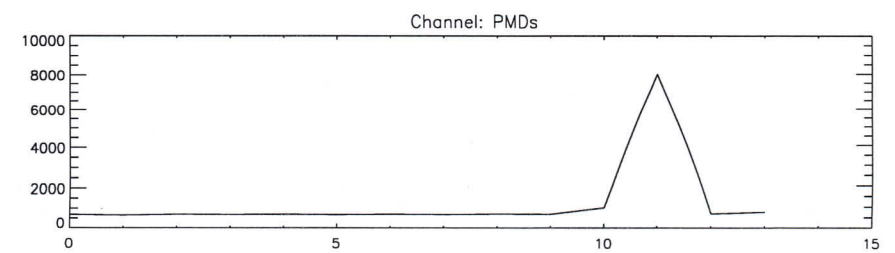
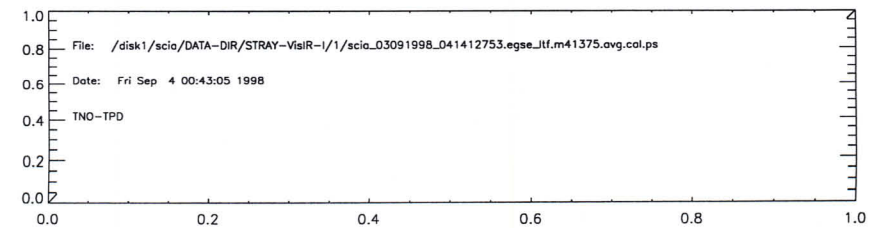
400
600
800
1000
1200


Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-1/1/scia_03091998_041412753.egse_itf.m41375.avg.cal.ps
Date: Fri Sep 4 00:43:05 1998
TNO-TPD
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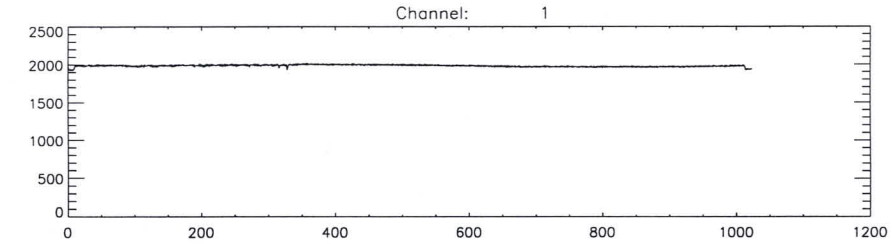
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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0
0
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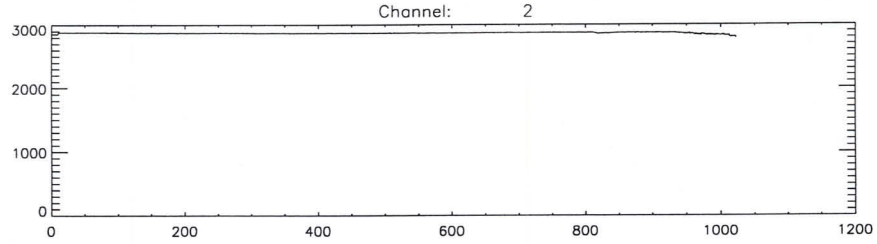
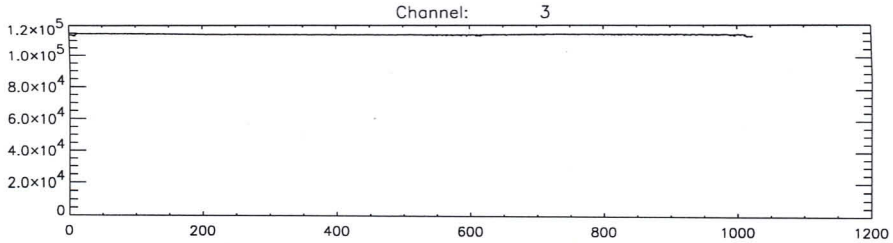
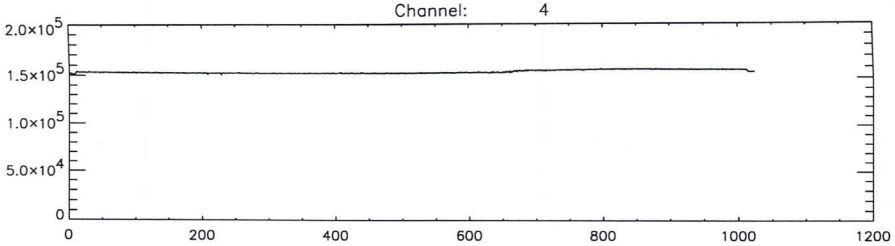
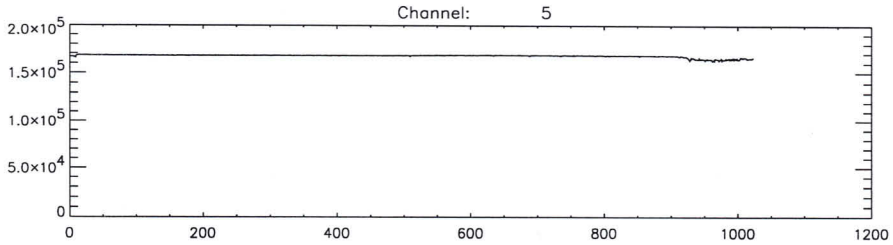
600
800
1000
1200


Channel: 2
3000
2000
1000
0
0
200
400
600
800
1000
1200


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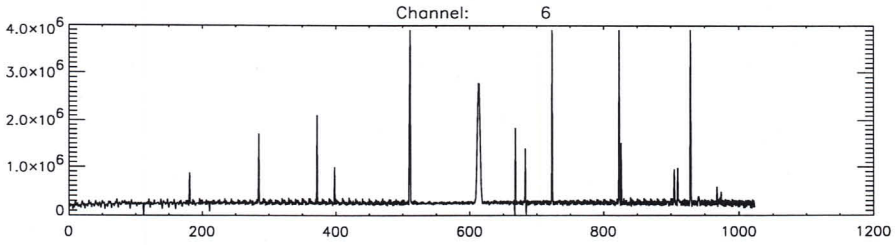
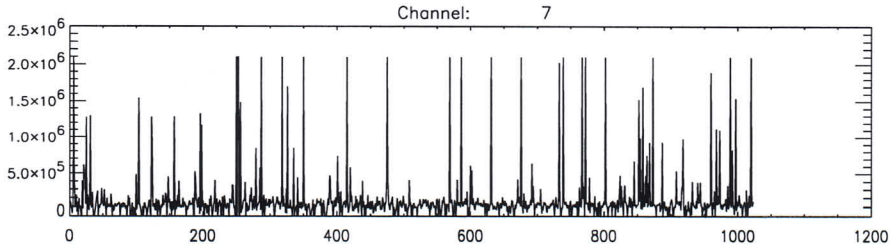
600
800
1000
1200


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
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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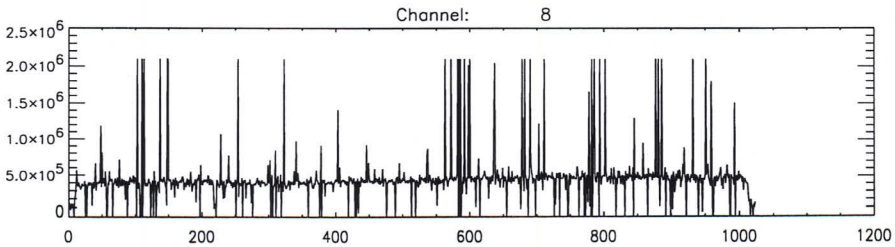
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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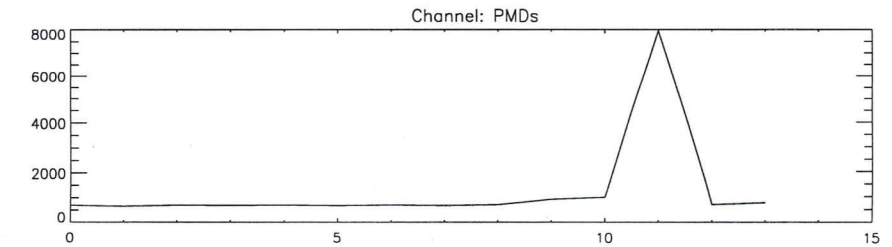
600
800
1000
1200


Channel: PMDs
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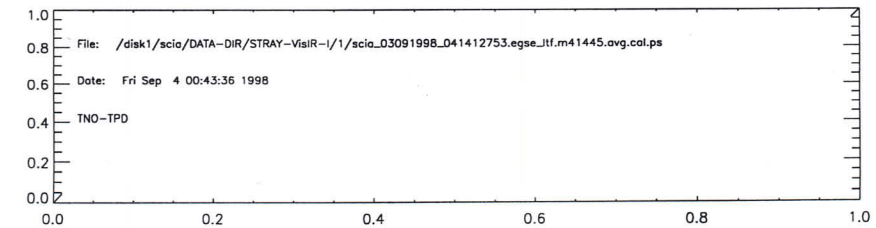
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_itf.m41445.avg.cal.ps
Date: Fri Sep 4 00:43:36 1998
TNO-TPD
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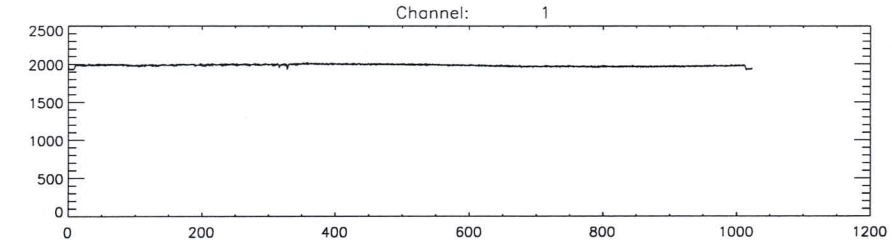
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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1500
1000
500
0
0
200
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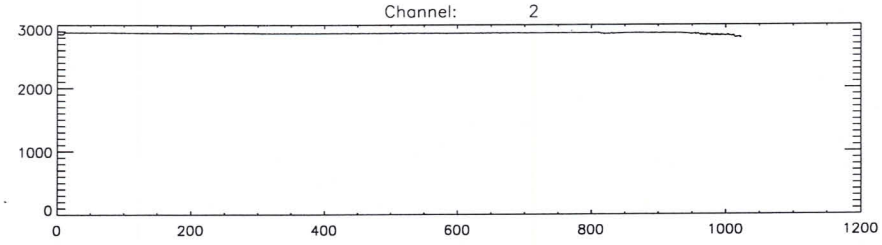
600
800
1000
1200


Channel: 2
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1000
0
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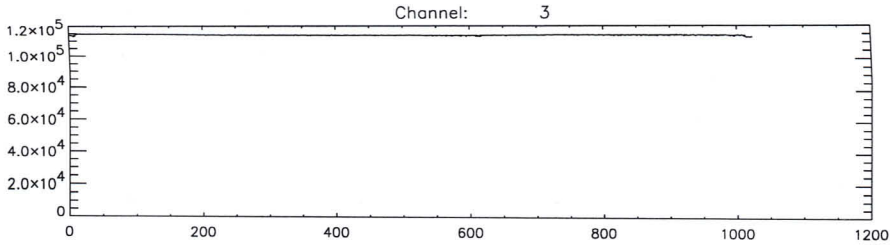
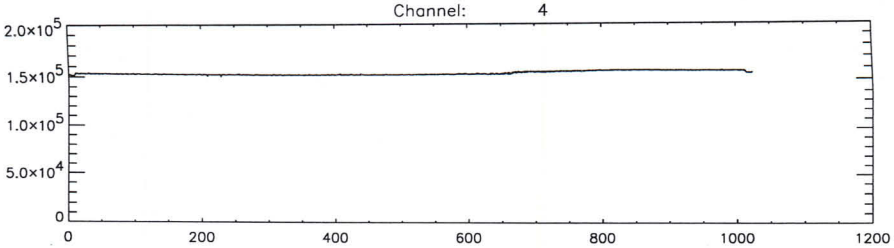
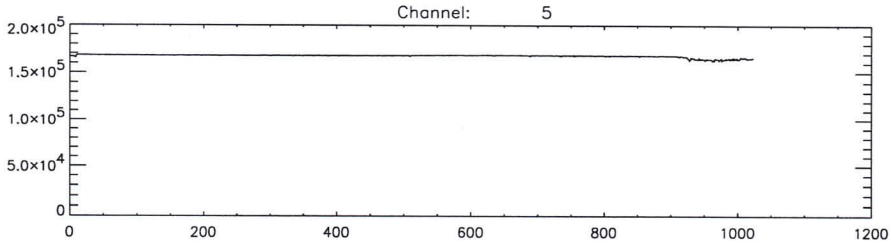
200
400
600
800
1000
1200


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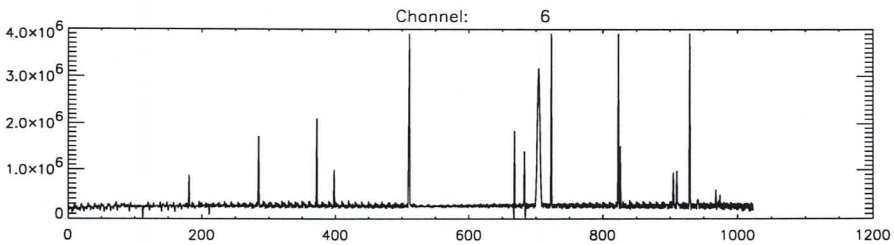
600
800
1000
1200


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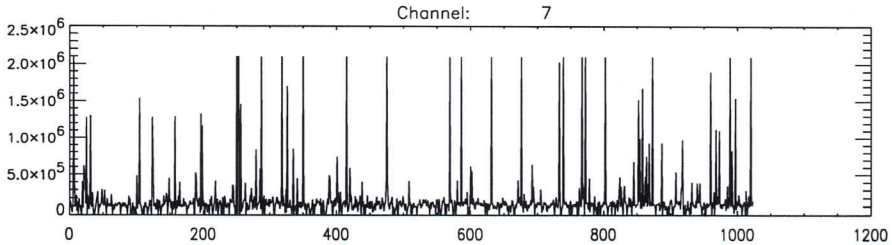
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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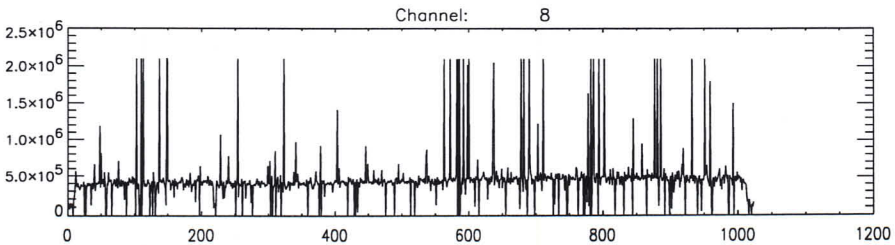
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
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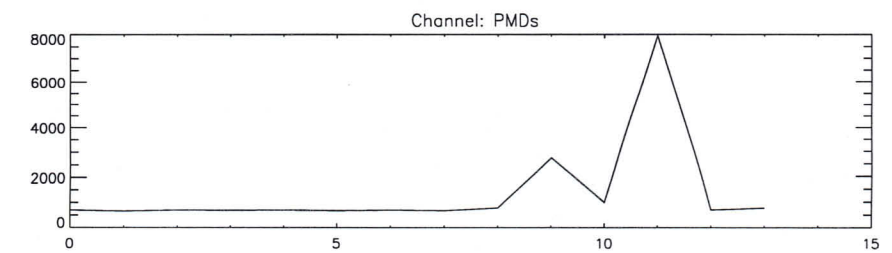
600
800
1000
1200


Channel: PMDs
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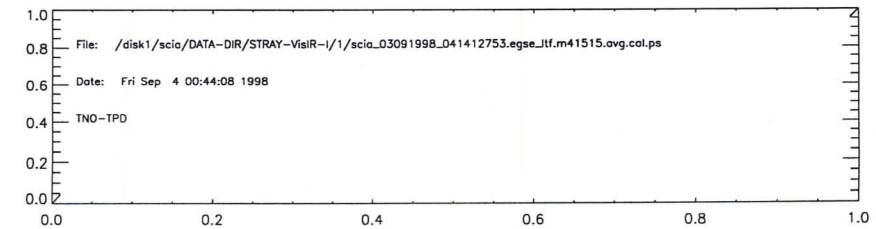
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/STRAY-VisIR-I/1/scia_03091998_041412753.egse_ltf.m41515.avg.col.ps
Date: Fri Sep 4 00:44:08 1998
TNO-TPD
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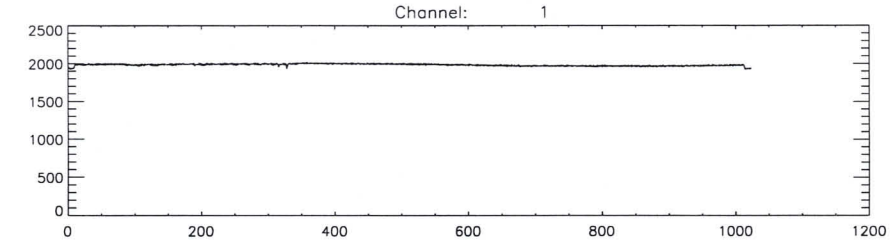
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
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600
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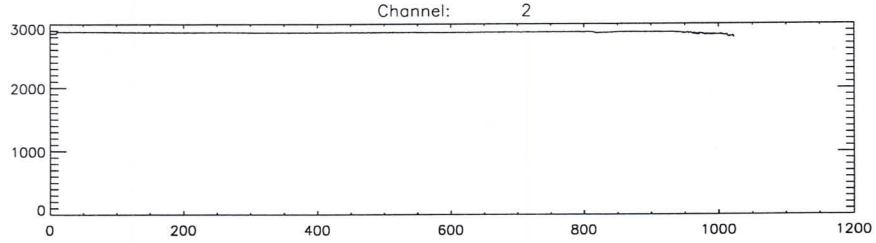
1000
1200


Channel: 2
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2000
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200
400
600
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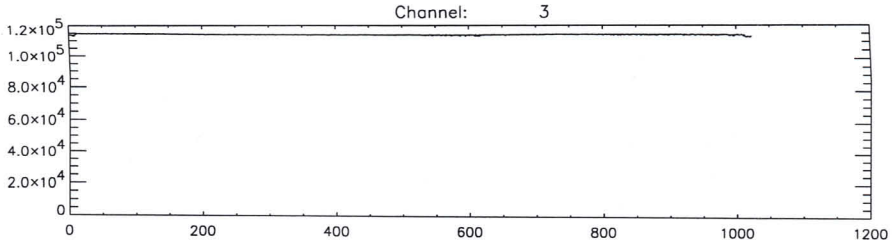
1000
1200


Channel: 3
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
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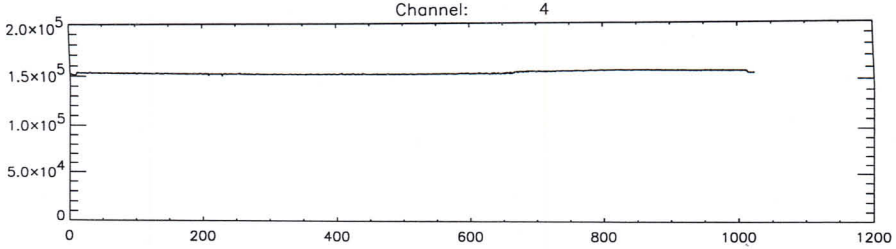
600
800
1000
1200


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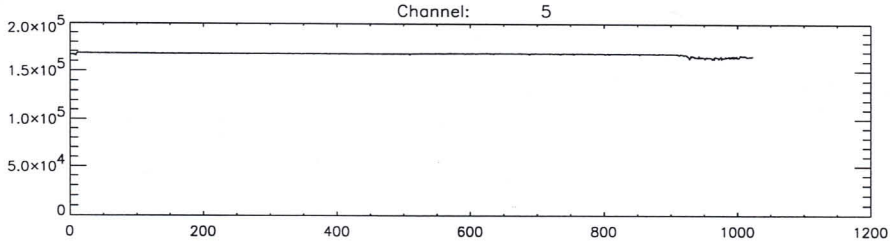
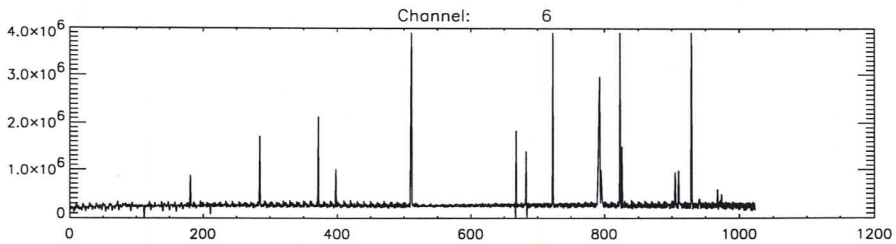
400
600
800
1000
1200


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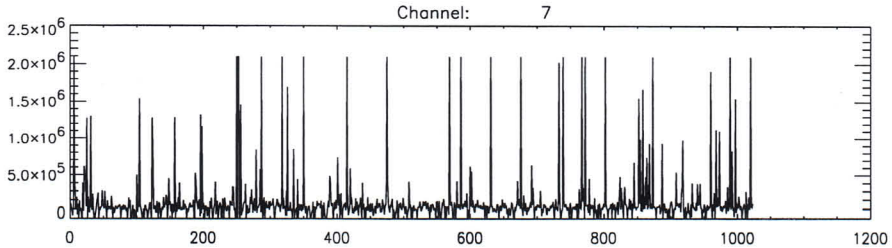
400
600
800
1000
1200


Channel: 7
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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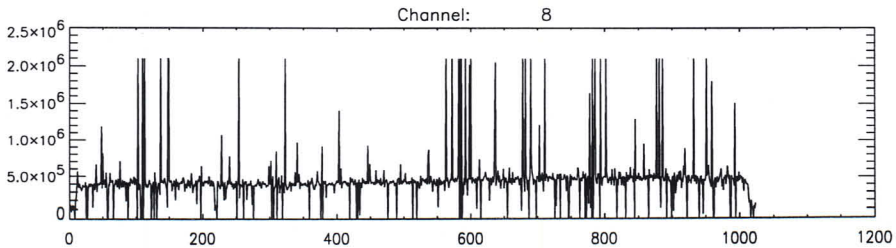
600
800
1000
1200


Channel: 8
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
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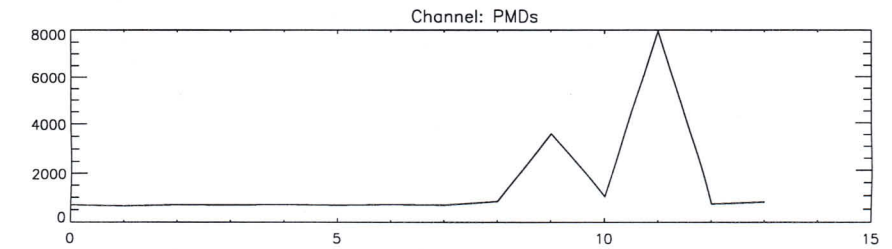
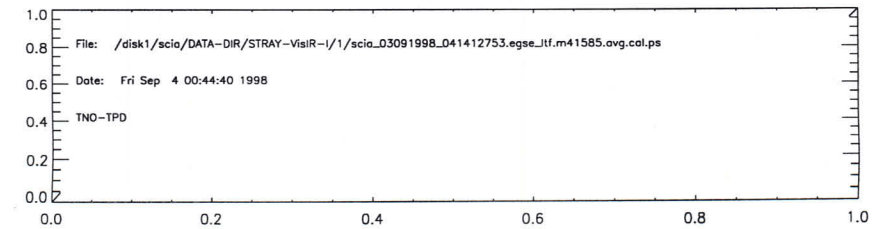
600
800
1000
1200


Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15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Date: Fri Sep 4 00:44:40 1998
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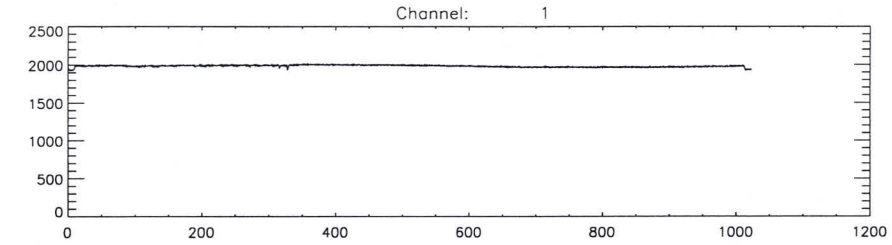
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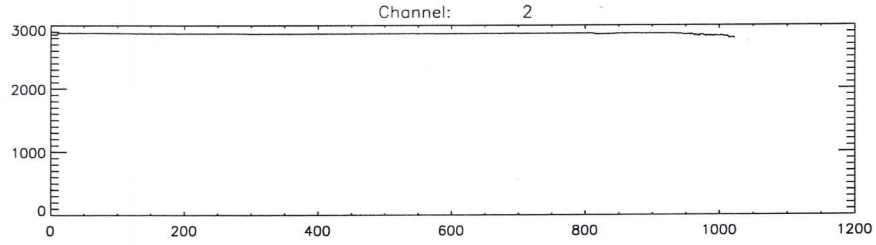
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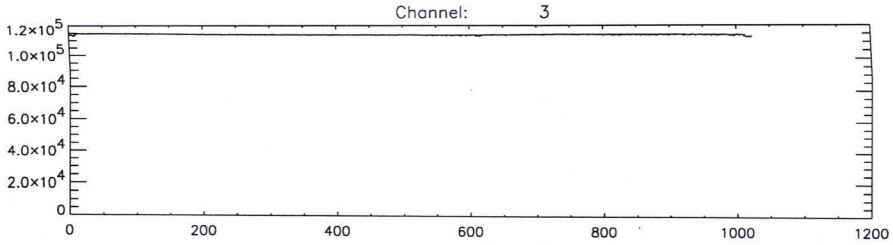
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2.0×10^4
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600
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1000
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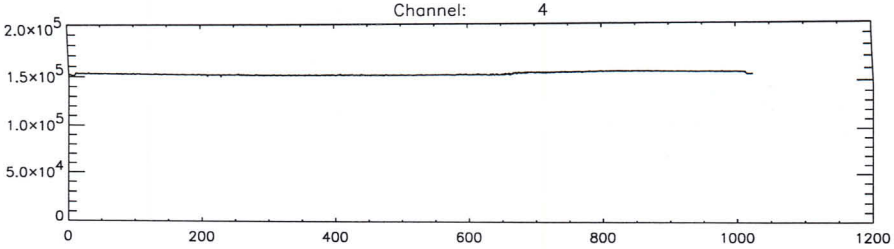
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1.0×10^5
5.0×10^4
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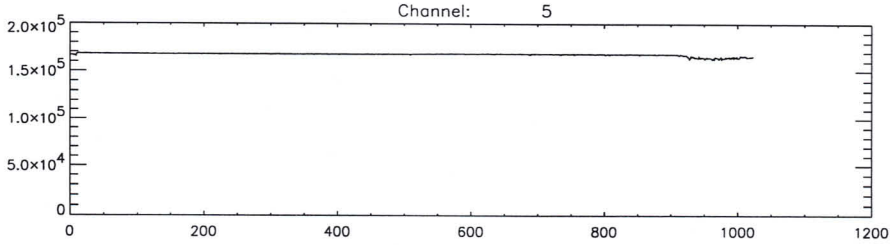
1000
1200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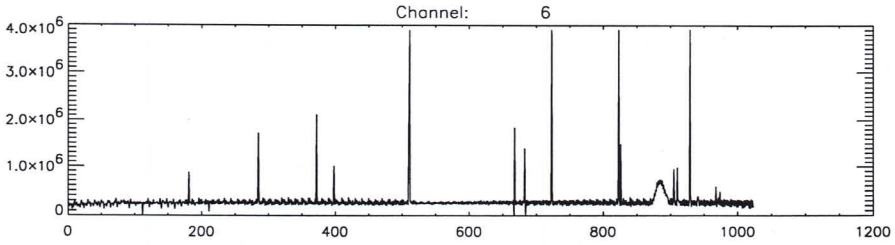
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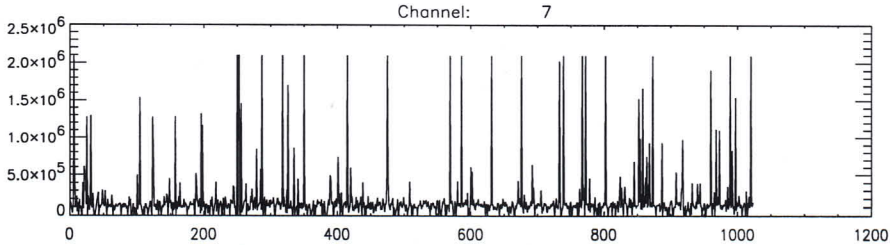
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2.0×10^6
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1.0×10^6
5.0×10^5
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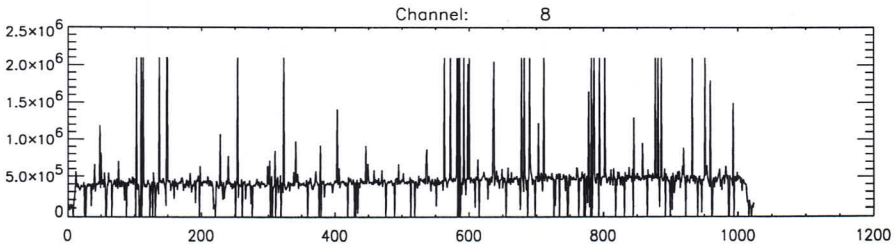
600
800
1000
1200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1.0×10^6
5.0×10^5
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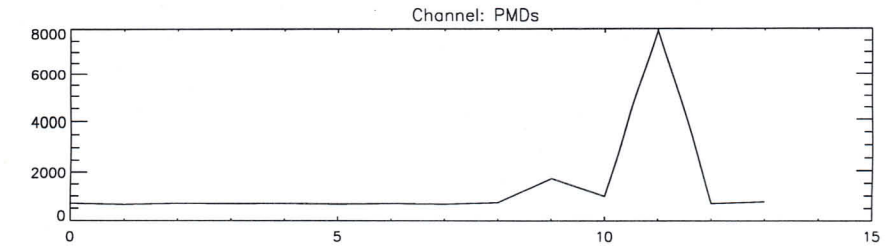
800
1000
1200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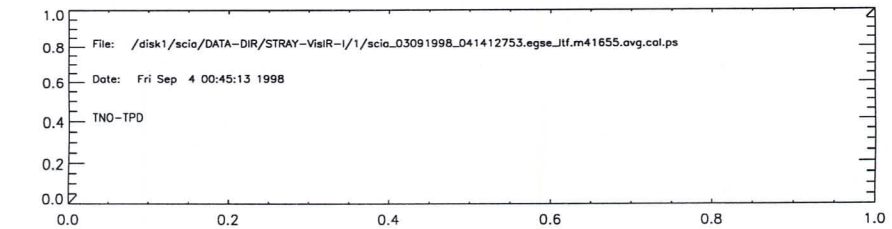
0
5
10
15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Date: Fri Sep 4 00:45:13 1998
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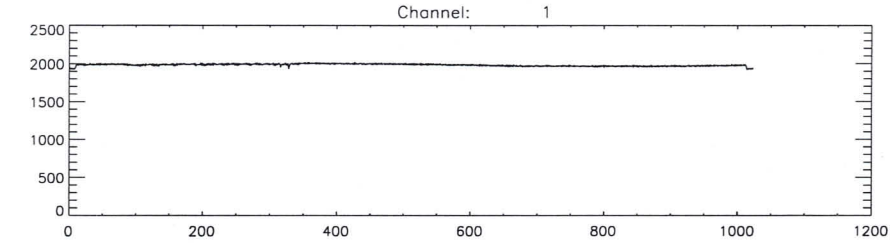
0.0
0.2
0.4
0.6
0.8
1.0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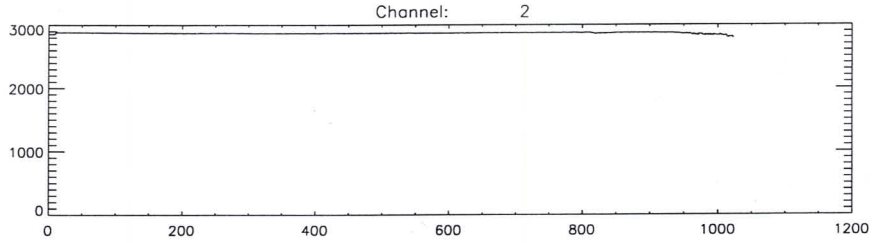
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1000
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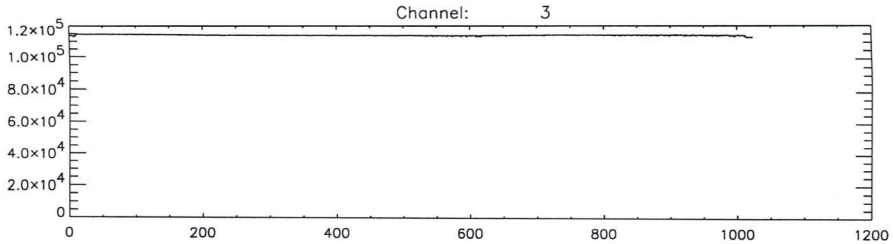
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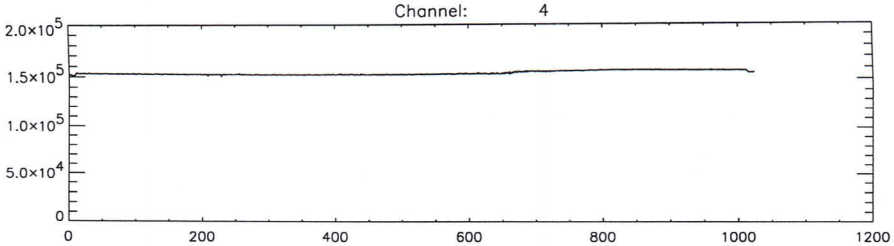
1000
1200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1.0×10^5
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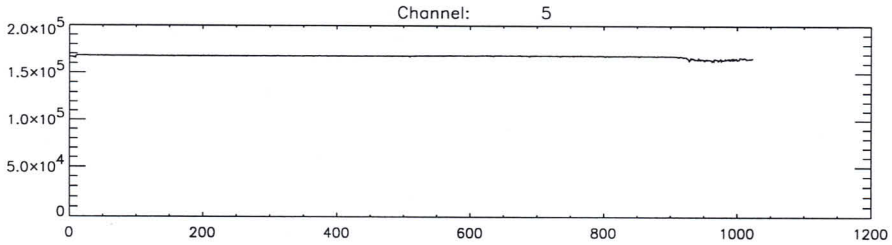
1000
1200


Channel: 5
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1.0×10^5
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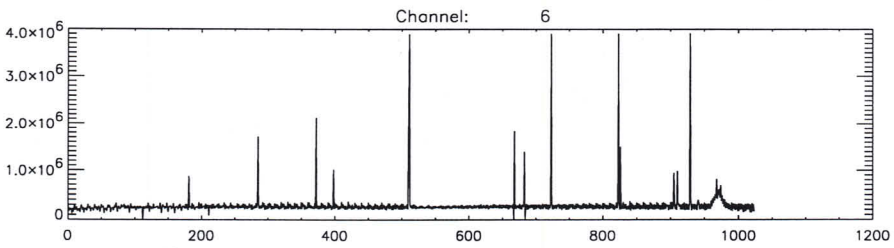
800
1000
1200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1.0×10^6
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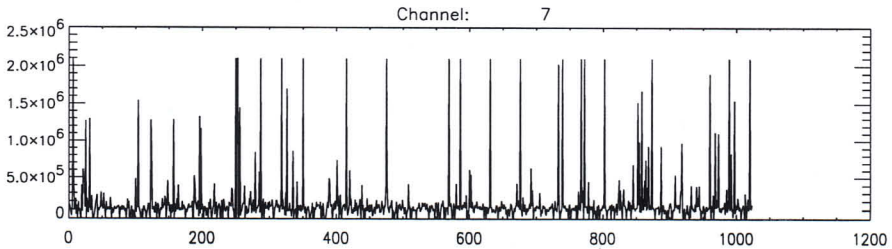
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1.0×10^6
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600
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1000
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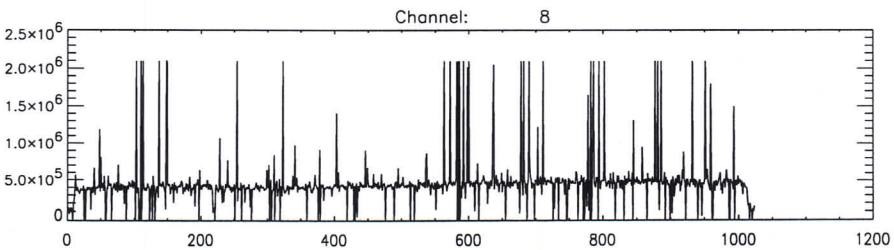
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5.0×10^5
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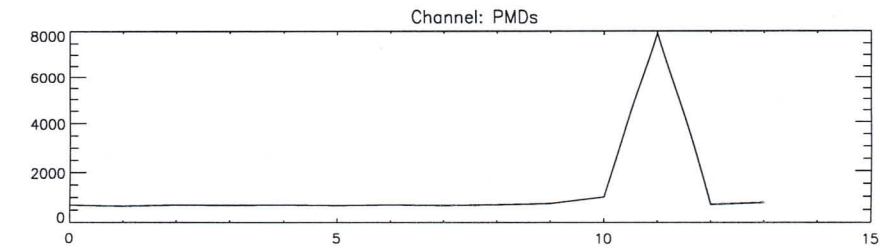
600
800
1000
1200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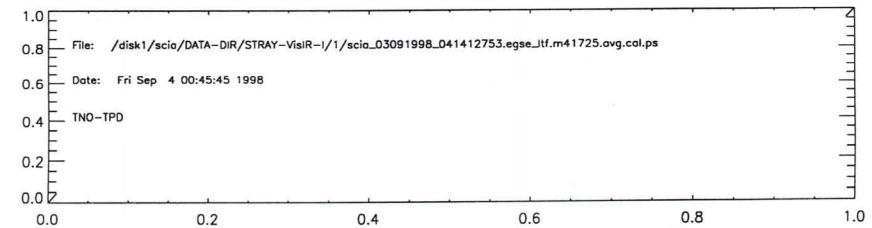
5
10
15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Date: Fri Sep 4 00:45:45 1998
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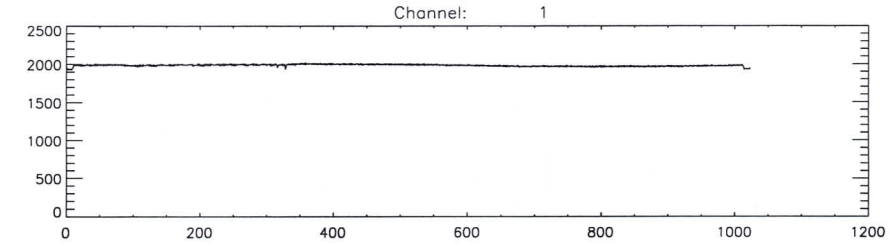
0.8
1.0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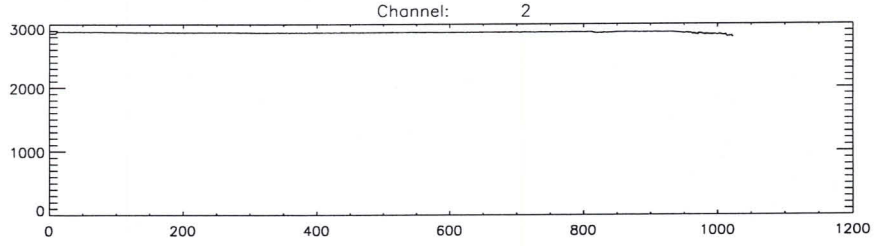
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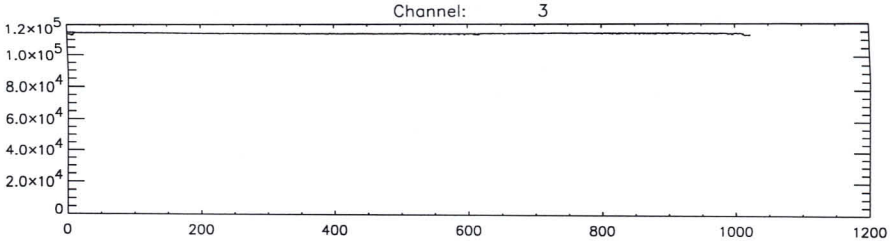
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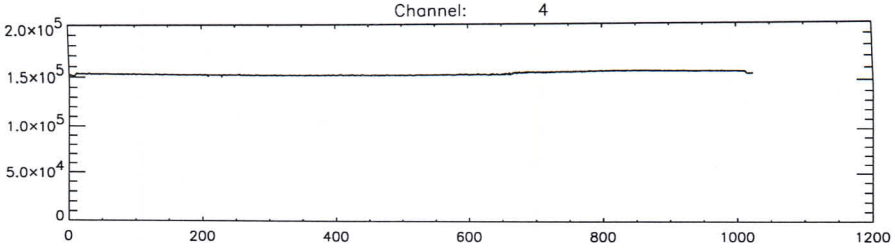
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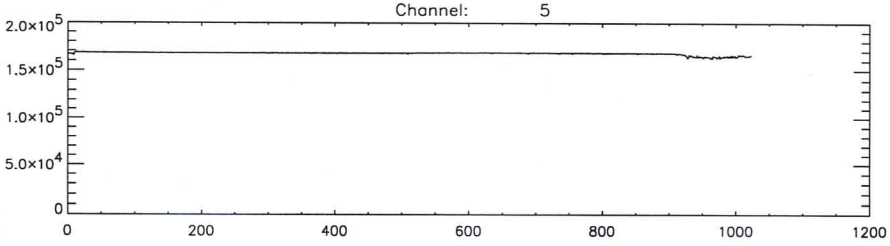
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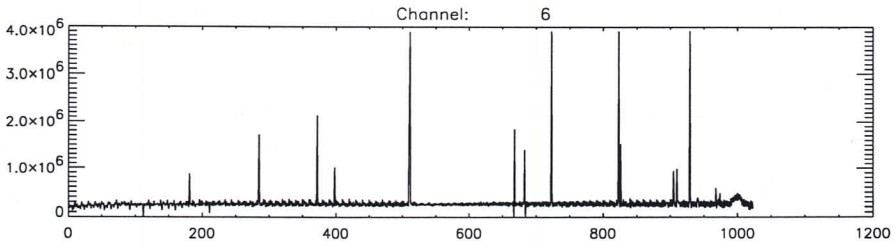
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1000
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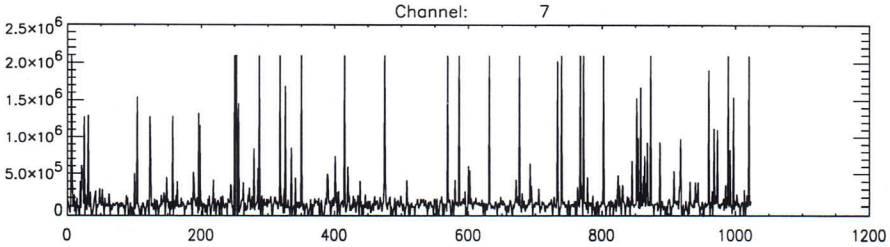
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1000
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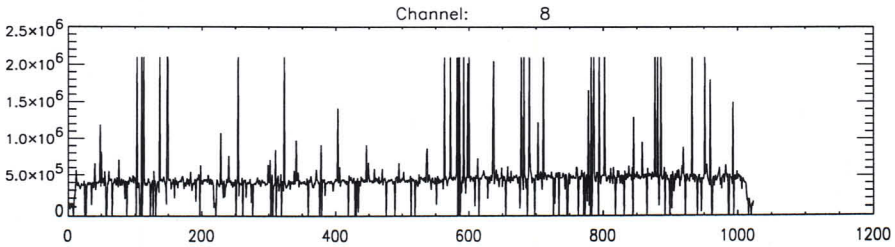
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5.0×10^5
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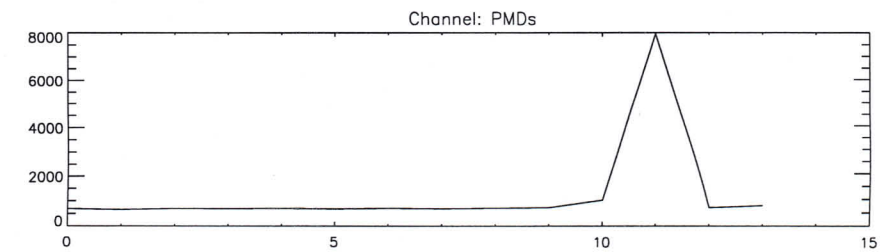
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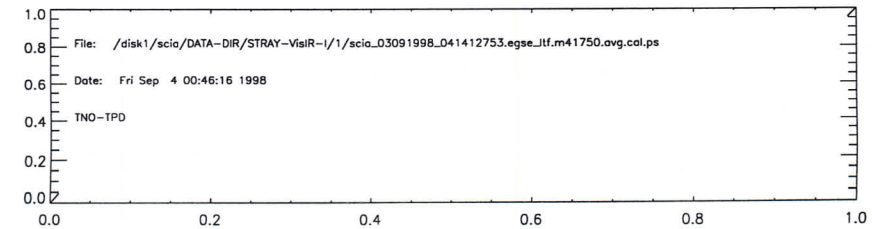
15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Date: Fri Sep 4 00:46:16 1998
TNO-TPD
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0.8
1.0

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batch      = m4760
Start TOD = Thu 03-Sep-98 06:27:20
End   TOD = Thu 03-Sep-98 06:33:53
Processing= computation of average, standard dev. and rel.standard dev.
time       = Fri Sep  4 00:32:56 1998
batch      = m4760
Start TOD = Thu 03-Sep-98 06:27:20
End   TOD = Thu 03-Sep-98 06:33:53
Processing= computation of average, standard dev. and rel.standard dev.
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scia_03091998_041412753.egse_ltf.du2.log
scia_03091998_041412753.egse_ltf.m41005.log
scia_03091998_041412753.egse_ltf.m41025.log
scia_03091998_041412753.egse_ltf.m41095.log
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