Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30/7/98	Verwerking van SLS intern meting (5 ESM hoeken gemeten)	
	wij analyseren nu 1: see page 2 raw file =	
	0210_173930.SLS_INT	
~~1.37~~	~~GID 25 gestart WLS_INT~~	
	~~DMETEMP ① 259.0 ② 258.9 ③ 259.3 ④ 259.0~~	
	~~⑤ 259.2 ⑥ 259.7 ⑦ 259.2 ⑧ 259.9~~	
	~~zie printout pag.~~	
	Bij de SLS Meting en idl do_spec_cal	
	komt bij de de meting de melding dat van kanaal	
!	5 en 6 de background not fitted →	
!	niet copied to L atest! ook de WL cal not copied	
	to L atest!	
	ts. -L wl. data not found.	

Formal Run of Measurement

(Measurement ID) SLS_Int

2

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

Scanner Positions

Azimuth	+4.5	deg
Elevation	+9,815	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID										
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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0,125	32						
4	0,0625	64						
5	0,5	16						
6	0,25	16						
7	1	4						
8	1	4						
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	Lambda [nm] Stop	Lambda [nm] Step	Repetition Factor	Message	OS Setup Time [s]

Measurement Data Description

Test Purpose	UID 24
Remark	+9,815
Data Directory	0210_17.39.30_SLS_INT

Signatures

	Date	Signature
Issued	29-7	M Stapp
< Performed	29.7	A Duss

Formal Run of Measurement

(Measurement ID) SLS - Int

3

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

Scanner Positions

Azimuth	+45	deg
Elevation	+9,765	deg 9,765

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID										
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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0,125	32						
4	0,03125	64						
5	0,25	16						
6	0,25	16						
7	1	4						
8	1	4						
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]

Measurement Data Description

Test Purpose	UID24
Remark	+9,765
Data Directory	0210_17.26.46_SLS_INT

Signatures

	Date	Signature
Issued	29.7	M Stapp
< Performed	29.7	d Aue

Formal Run of Measurement

(Measurement ID) SLS_Int

4

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

Scanner Positions

Azimuth	+45	deg
Elevation	+9,715	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID										
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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0,125	32						
4	0,0625	64						
5	0,25	16						
6	0,25	16						
7	1	4						
8	1	4						
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]

Measurement Data Description

Test Purpose	UID 24
Remark	+9,715
Data Directory	2010_17.11.28_SLS_INT

Signatures

	Date	Signature
Issued	29.7	M. Stampf
< Performed	29.7	A.

5

Formal Run of Measurement

(Measurement ID) SLS_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		(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+45	deg
Elevation	+9.665	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	41	42								
Repetitions	1	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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0.125	32						
4	0.0625	64						
5	0.25	16						
6	0.25	16						
7	1	4						
8	1	4						
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]

Measurement Data Description

Test Purpose	UID 24
Remark	+9.665
Data Directory	0210_16.54.03_SLS_INT

Signatures

	Date	Signature
Issued	29-7	MSIOP
Performed	29-7	A.

0210_16.54.03_SLS_INT

Formal Run of Measurement

(Measurement ID) SLS_Int

6

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

Scanner Positions

Azimuth	+45	deg	
Elevation	~~+9~~	deg	+9,865

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID										
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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0,125	32						
4	0,0325	64						
5	0,25	16						
6	0,25	16						
7	1	4						
8	1	4						
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]

Measurement Data Description

Test Purpose	UID 24
Remark	+9,865
Data Directory	0210_17.50.01_SLS_INT

Signatures

	Date	Signature
Issued	29-7	M. Stoff
< Performed	29.7.	A. Ames

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 29/7/98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-29071998-17228494.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
		0
		
		1
		(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	 8494.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:	145.998	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
```

should be approx 150kb

size: 145,998

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: _____

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`	_____	
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).		See analysis sheet BackUp
	Name of backup CDs	_____	
Sign:	Name	_____	
	Date and time	_____	
	Signature	_____	

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Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 29/7/98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-29071998-174228494.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).		In DATA-DIR window
	When asked for user, fill in: `anonymous`, when asked for an email address, fill in your email address on TPD.		In DATA window
	Set in binary: `binary` `mget *` (and return `y` to every file). `bye`		Approx. 140 kB

Sign:	Name	Wendell Lynch
	Date and time	29/7/98 23.28
	Signature	[signature]

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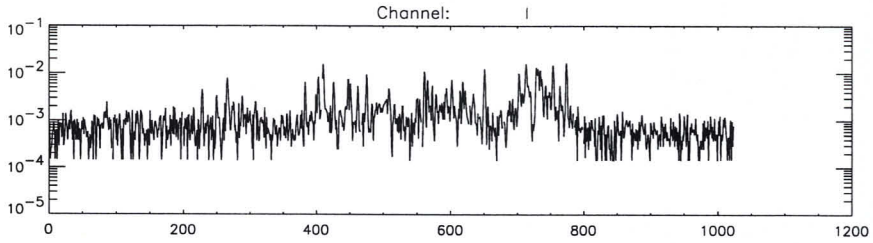
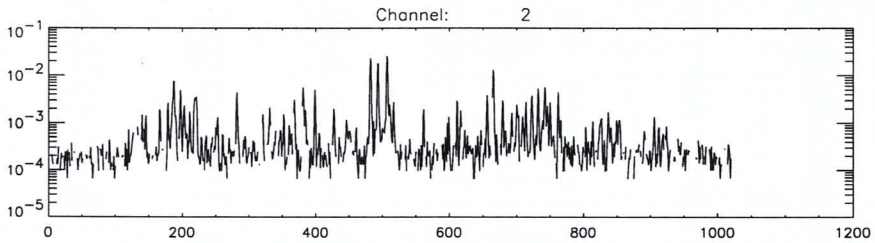
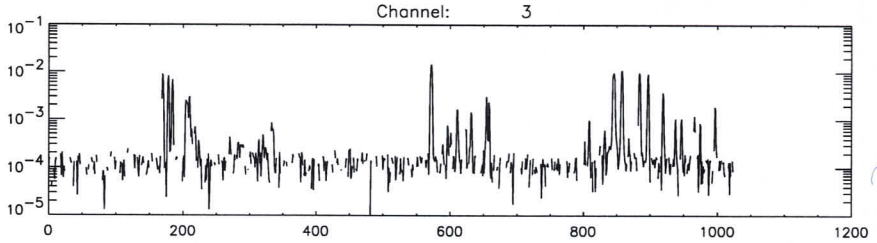
Copy to MOD (Follow instructions in file `/home/drz/DOC/MOD*`)
Note, normally, you don't have to mount the MOD.

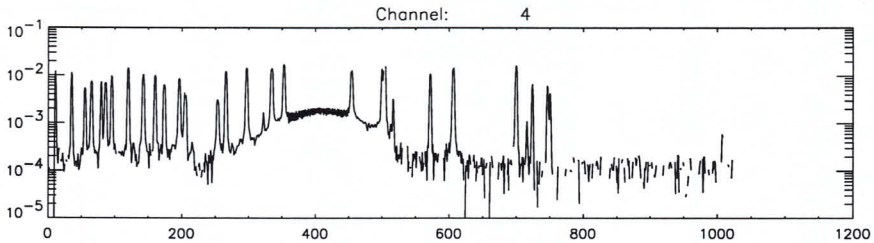
Copy contents of one CD (or via ftp) on the two other SUN workstations that are used for offline analysis, Done? Y / N

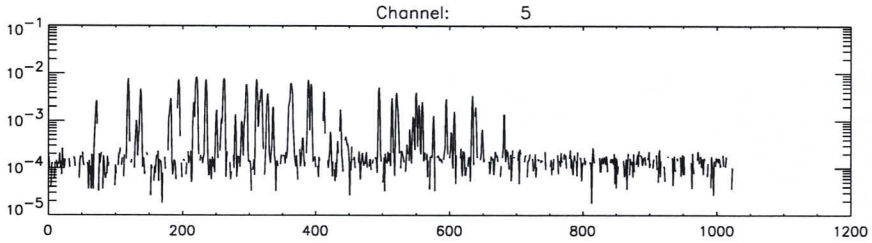
Sign:
Name _____
Date and time _____
Signature _____

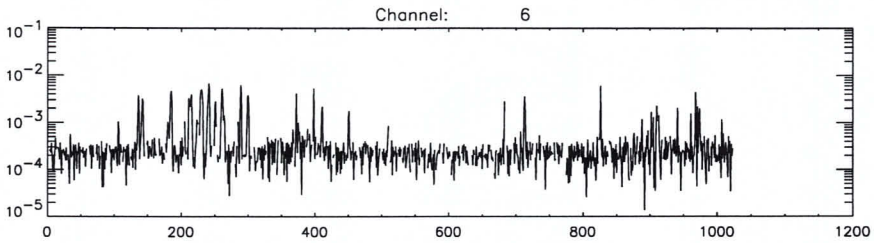

Channel: 1

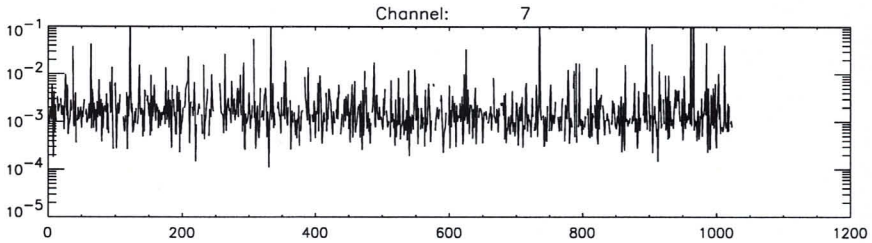

Channel: 2

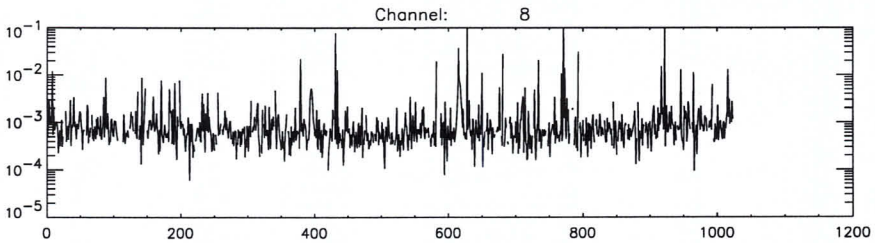

Channel: 3

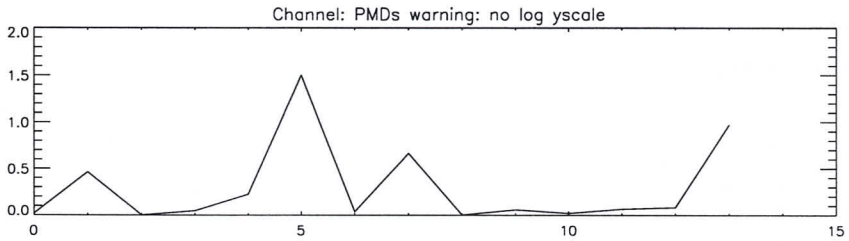

Channel: 4

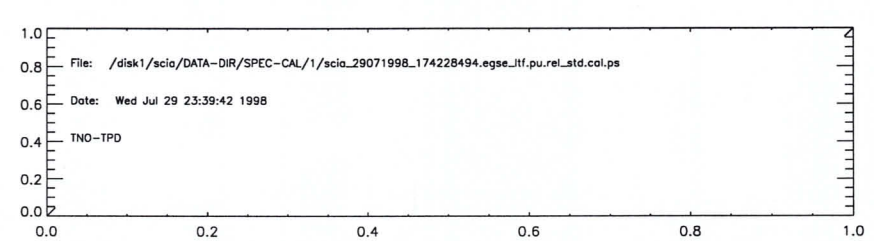

Channel: 5

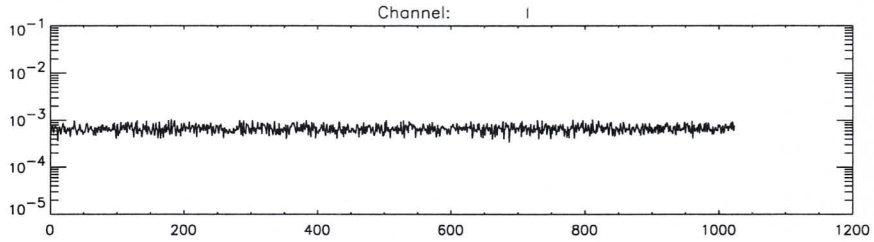

Channel: 6

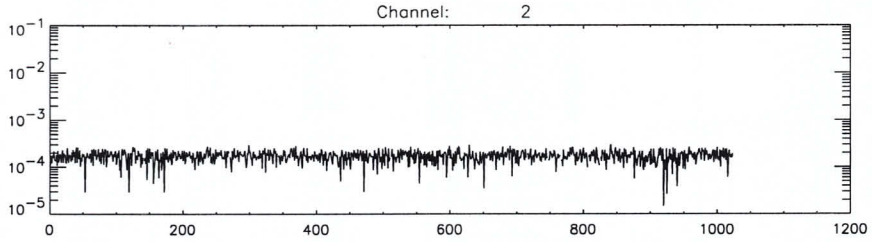

Channel: 7

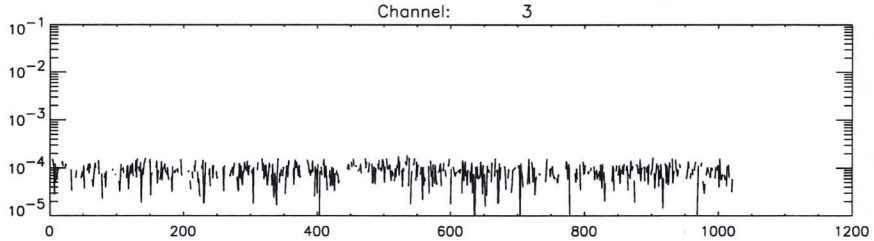

Channel: 8

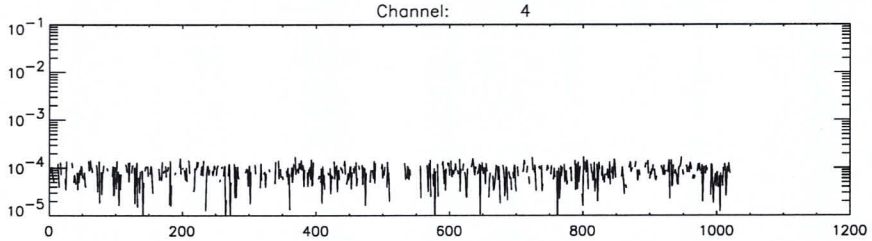

Channel: PMDs warning: no log yscale

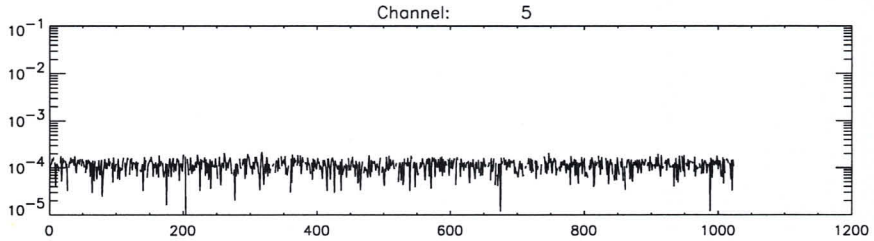

File: /disk1/scia/DATA-DIR/SPEC-CAL/1/scia_29071998_174228494.egse_itf.pu.rel_std.cal.ps
Date: Wed Jul 29 23:39:42 1998
TNO-TPD

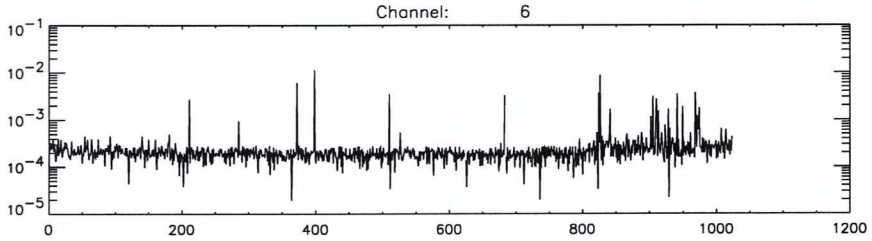

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

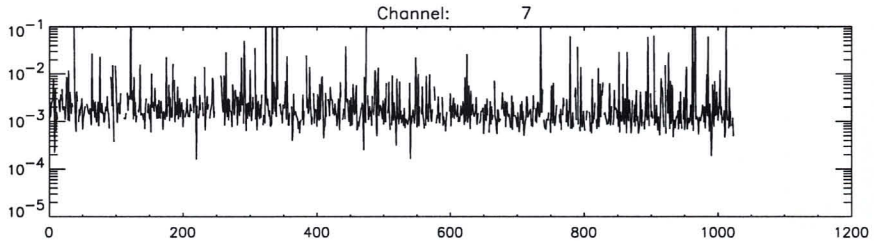

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

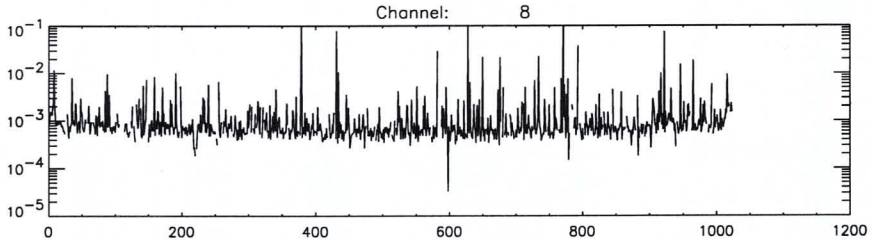

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

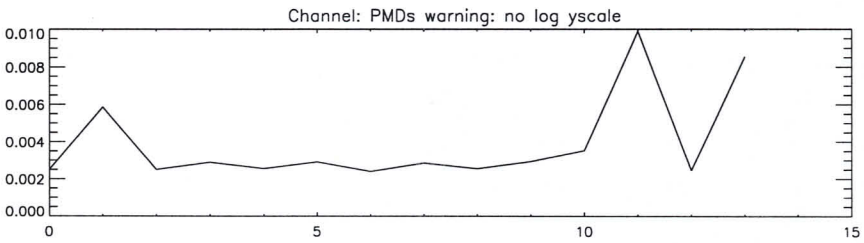

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

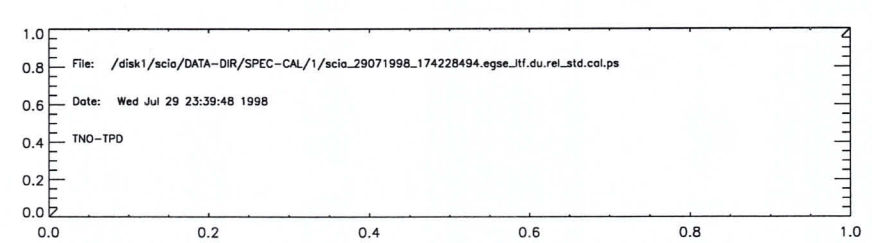

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

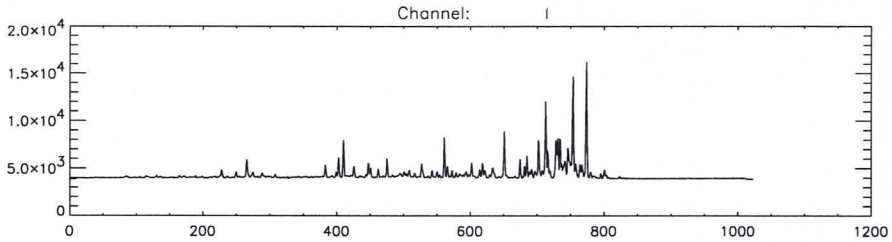

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

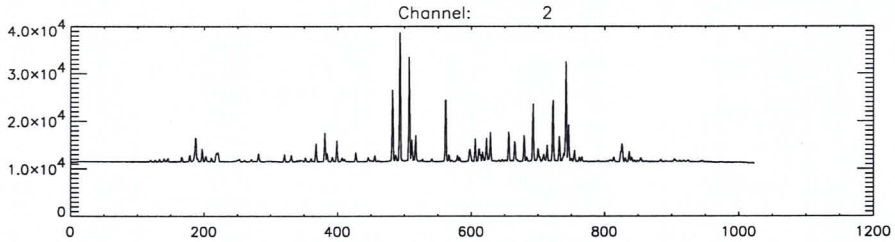

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

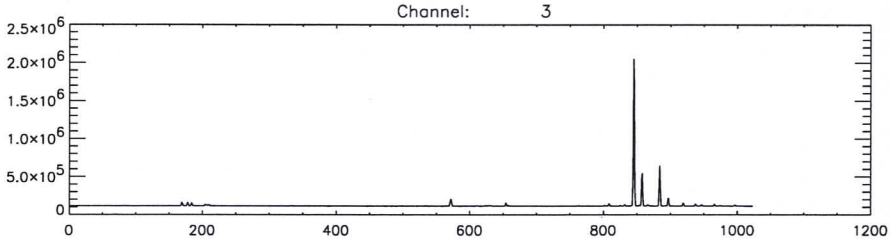

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


Channel: PMDs warning: no log yscale
0.010
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/SPEC-CAL/1/scia_29071998_174228494.egse_itf.du.rel_std.cal.ps
Date: Wed Jul 29 23:39:48 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200


Channel: 2
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200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2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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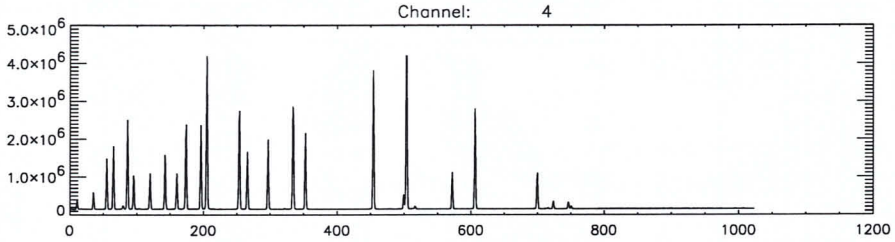
400
600
800
1000
1200


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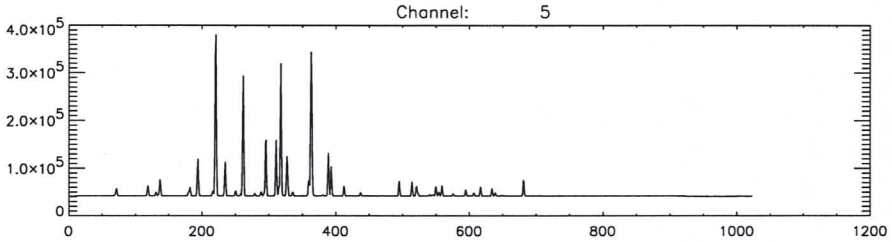
600
800
1000
1200


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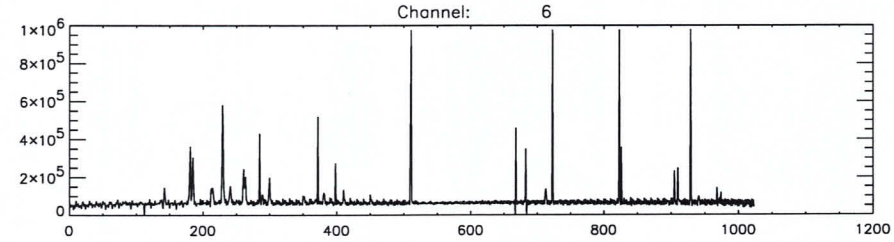
3.0x10^5
2.0x10^5
1.0x10^5
0
0
200
400
600
800
1000
1200


Channel: 6
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8x10^5
6x10^5
4x10^5
2x10^5
0
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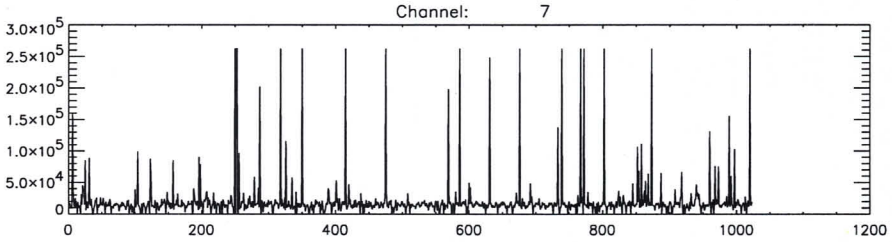
600
800
1000
1200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3.0x10^5
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2.0x10^5
1.5x10^5
1.0x10^5
5.0x10^4
0
0
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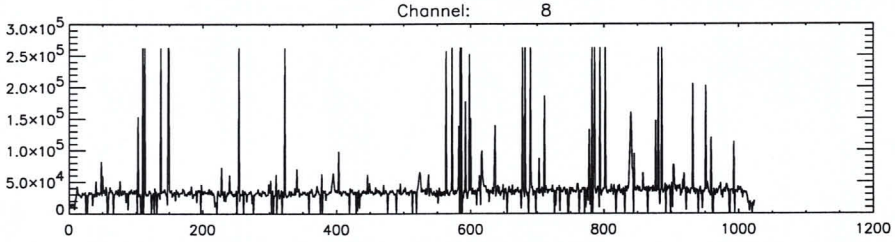
400
600
800
1000
1200


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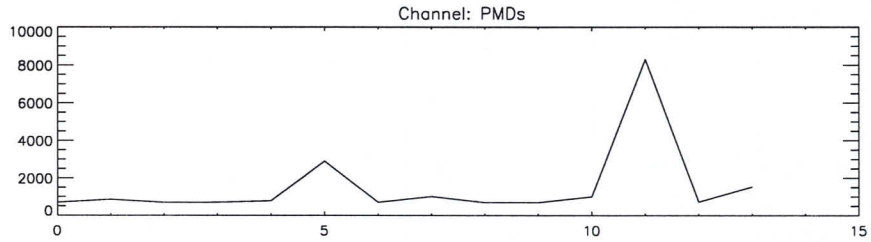
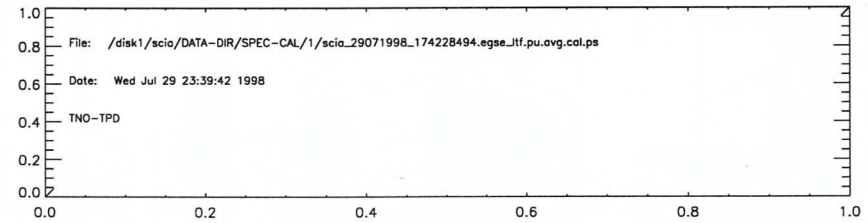
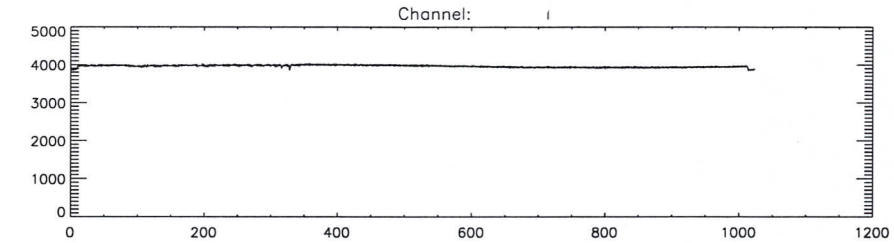
400
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/SPEC-CAL/1/scia_29071998_174228494.egse_itf.pu.avg.cal.ps
Date: Wed Jul 29 23:39:42 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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3000
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1000
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200
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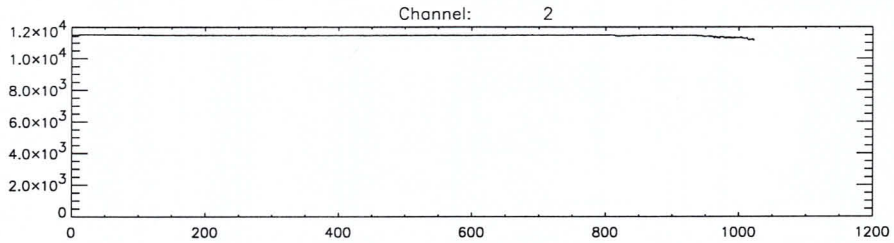
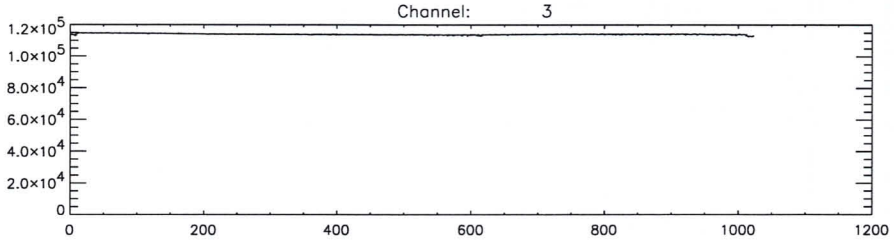
600
800
1000
1200


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
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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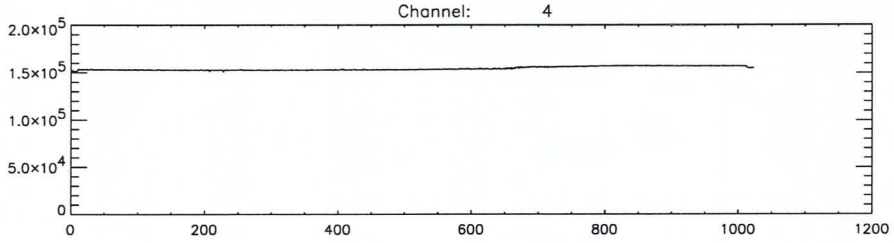
400
600
800
1000
1200


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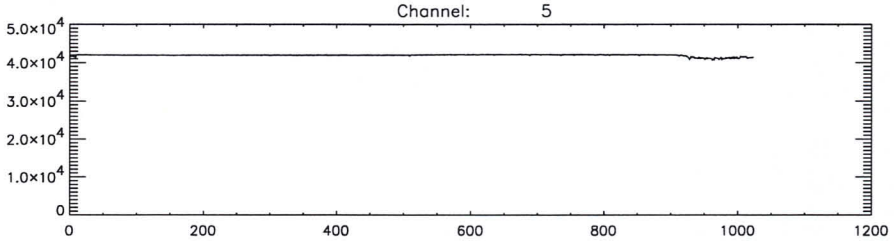
400
600
800
1000
1200


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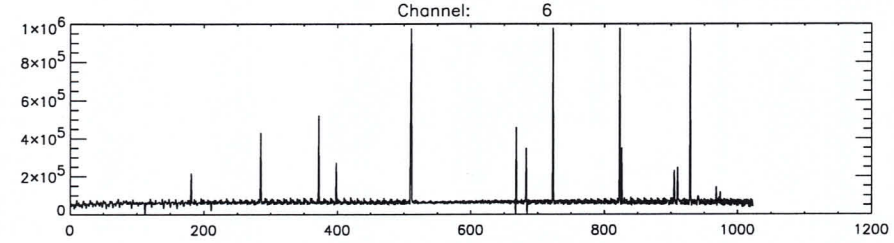
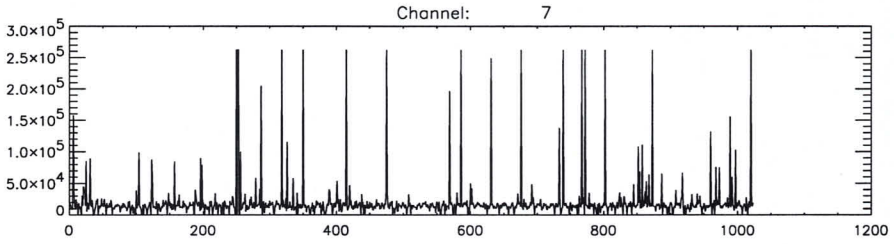
600
800
1000
1200


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
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
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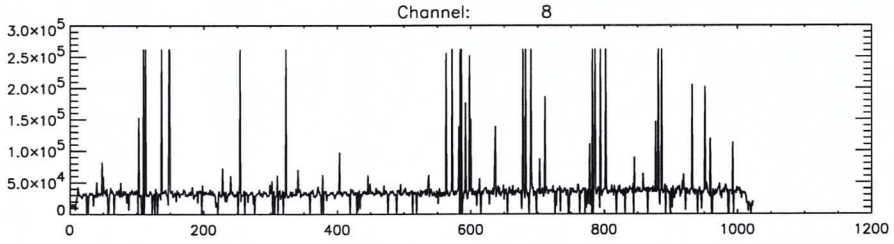
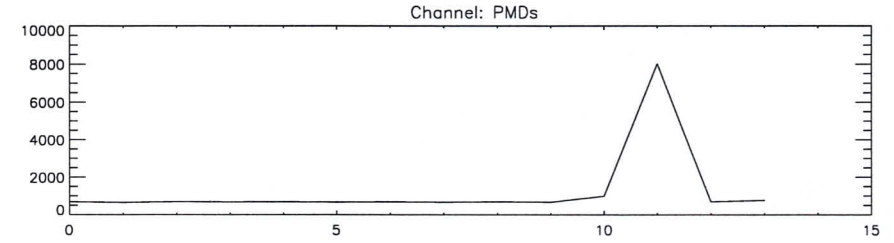
600
800
1000
1200


Channel: 8
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


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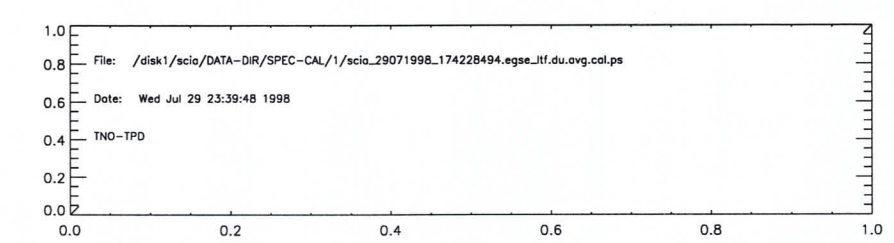
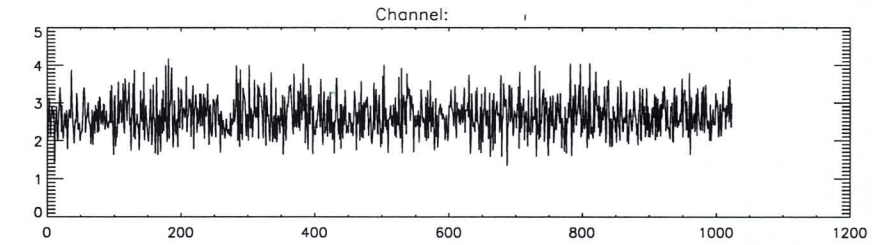
8000
6000
4000
2000
0
0
5
10
15


File: /disk1/scia/DATA-DIR/SPEC-CAL/1/scia_29071998_174228494.egse_itf.du.avg.cal.ps
Date: Wed Jul 29 23:39:48 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

p.14


Channel:
0 1 2 3 4 5
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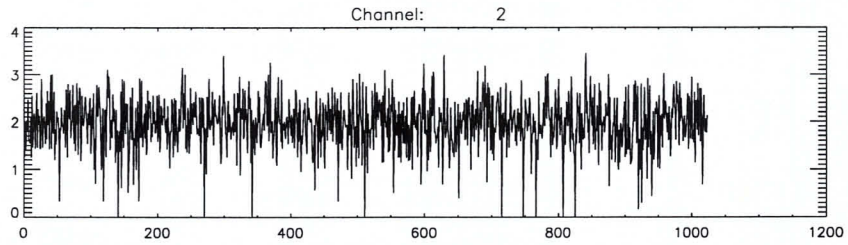
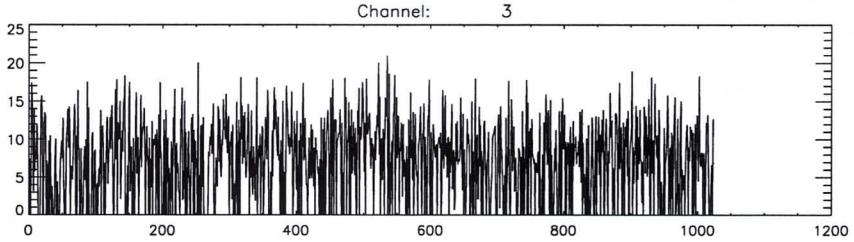

Channel: 2
0 1 2 3 4
0 200 400 600 800 1000 1200


Channel: 3
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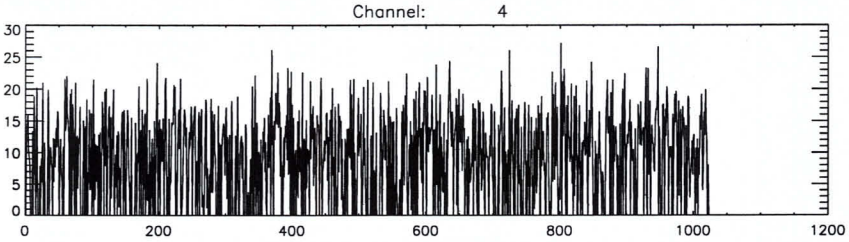
0 200 400 600 800 1000 1200


Channel: 4
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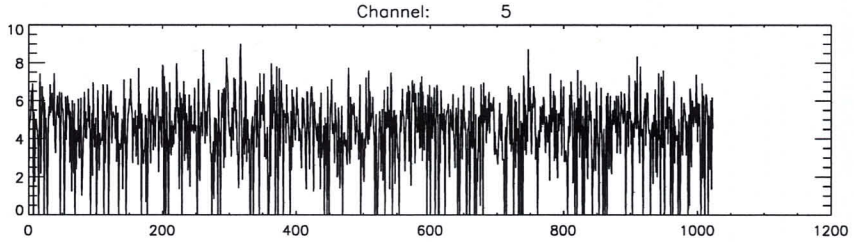
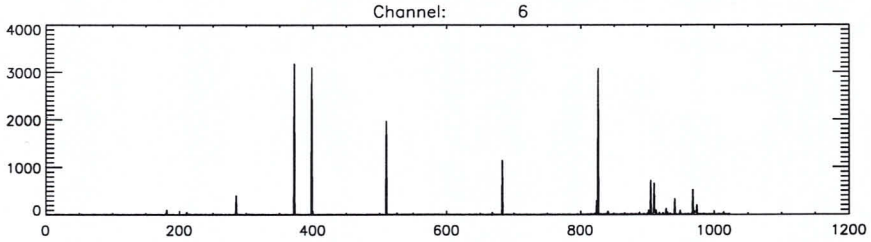
0 200 400 600 800 1000 1200


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


Channel: 6
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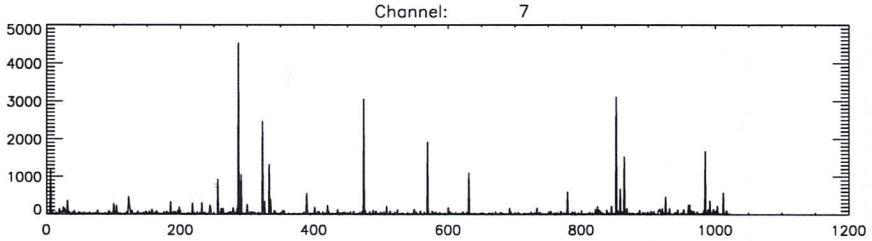
0 200 400 600 800 1000 1200


Channel: 7
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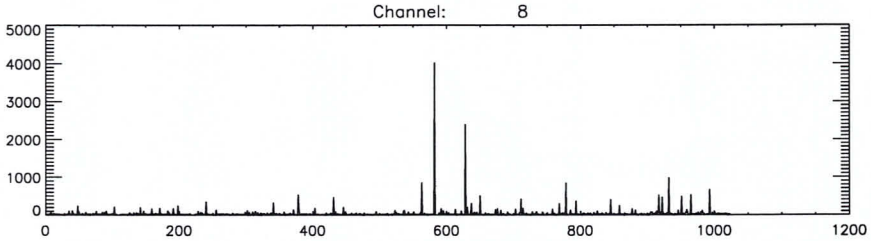
0 200 400 600 800 1000 1200


Channel: 8
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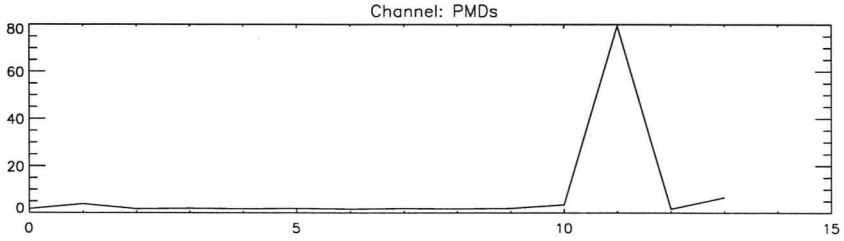
0 200 400 600 800 1000 1200


Channel: PMDs
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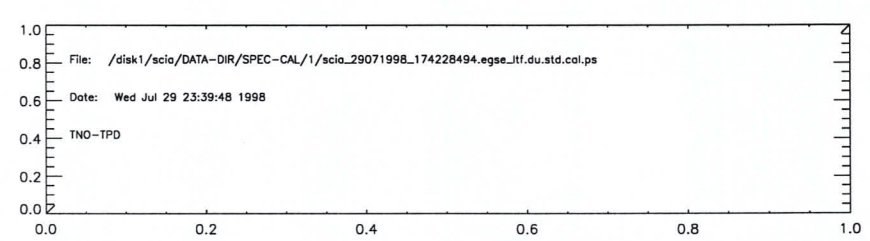
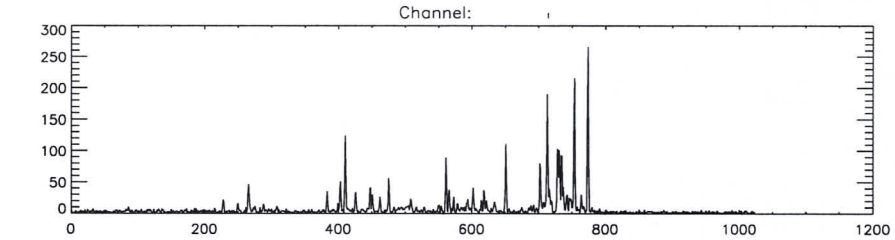
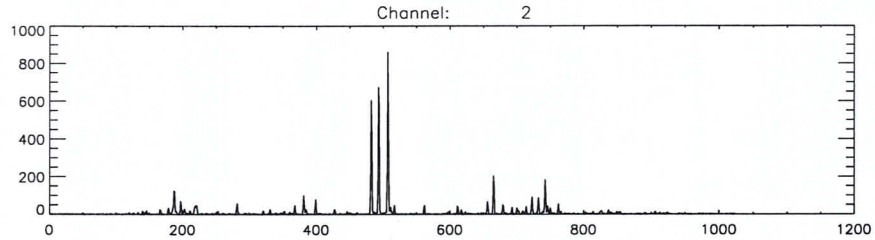
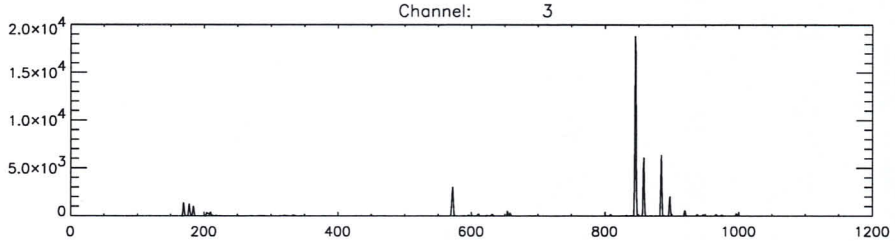
0 5 10 15

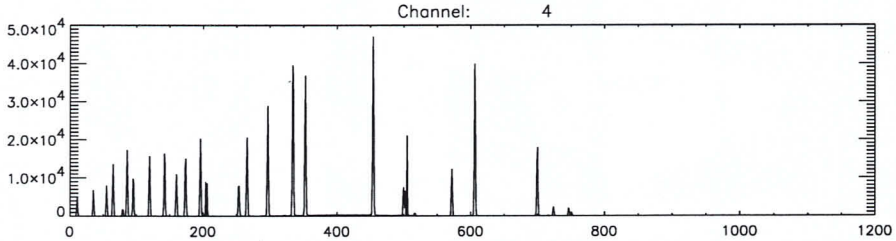

File: /disk1/scia/DATA-DIR/SPEC-CAL/1/scia_29071998_174228494.egse_itf.du.std.cal.ps
Date: Wed Jul 29 23:39:48 1998
TNO-TPD
0.0 0.2 0.4 0.6 0.8 1.0
0.0 0.2 0.4 0.6 0.8 1.0

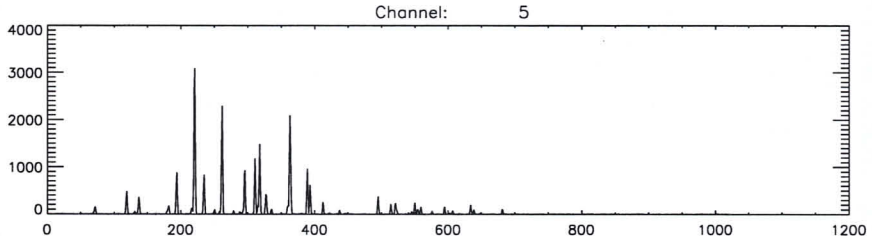
P 15

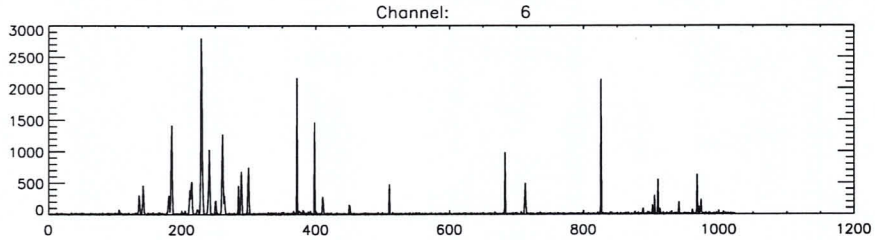

Channel:

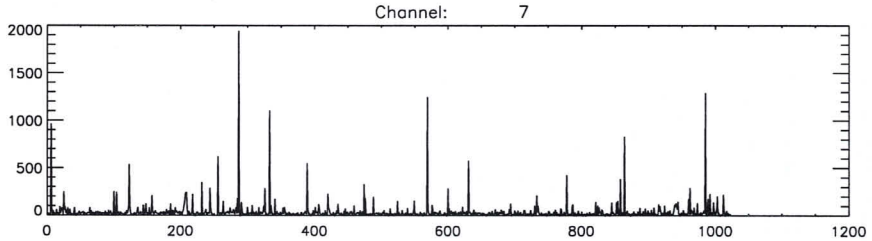

Channel: 2

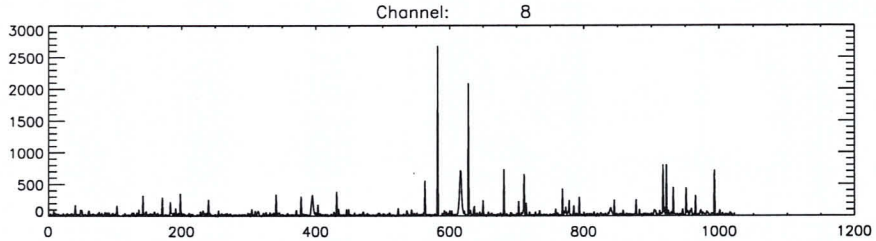

Channel: 3

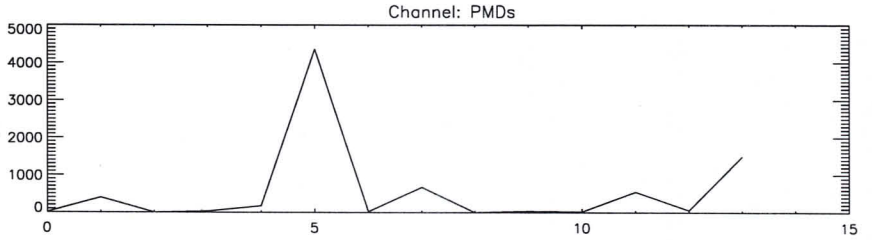

Channel: 4

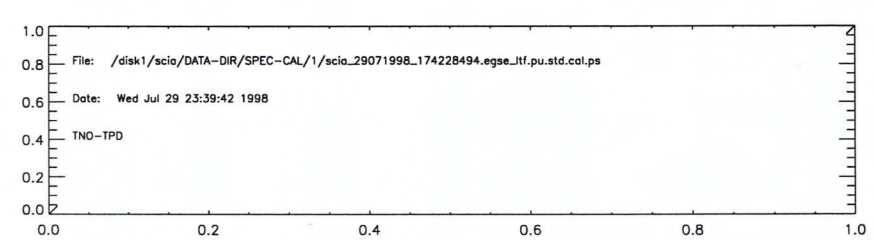

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/SPEC-CAL/1/scia_29071998_174228494.egse_itf.pu.std.cal.ps
Date: Wed Jul 29 23:39:42 1998
TNO-TPD

p. 6a

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	J.H. de Clou 30-07-96	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0210_17.39.30_SUN_INT	(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	J.H. de Clou 30-07-96 0.6 pm	

p 17

STEP	ACTION	RESULT	MARKER
Intro	Your name:	J.H. du Clou	
	Date:	30-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0210_17.39.30_SLS_INT	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/SPEC-CAL/ ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	1	(B)
	New directory: `mkdir <B+1>` `ls -l`		
	What's now the highest number in directory?	2	(C)
	<C> should be <B> + 1	Y / ~~N~~	
	directory name is:	~/DATA-DIR/~~SPECCAL~~ SPEC-CAL/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	Y / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	scia_29071998_1442	(D) 28494.egse_ltf ~~egse~~
	`<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`		In DATA-DIR window
	size:	145998	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`

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

df -k | more.

Print postscript

~~HP6MP~~ hp6mp

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

* pu

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

Contents of file `*pU*.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: Channel 2. 0,018 all other OK

Add postscript images to logbook, done Y / ~~N~~ Pag 22 tm 29

Print logfiles `lpr -P<printer> *.log`
Add logfiles to logbook, done Y / ~~N~~ Pag 30 tm 32

Spec line processing

Run Spec `idl do_spec_cal` In IDL window

du.avg.cal.
chan 5+6 background not fitted
not copy to Latest. wl cal not copy to Latest.
pu.avg.cal

? ? ? dim dark current file / legal file / SPECCAL CAL2-PU

? in/CORR / SAC2 / du MG. cal

Pagina 2

19

Check spec	`ls -l wl.data` ← not found.		In DATA DIR window should be approx a few kilobytes
	Size of file `wl.data`	_____	
Check XSI visually			
	`lpr -P<printer> *.data.ps` pag 33, 34		
	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~~ pag 35 & 38	
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	_____	

2 2

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	_____ _____	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`./mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `./mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer> s_names l_names`
	Add output to log book, done?
		Y / N
		
		Y ? N
		
		Y / N	

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

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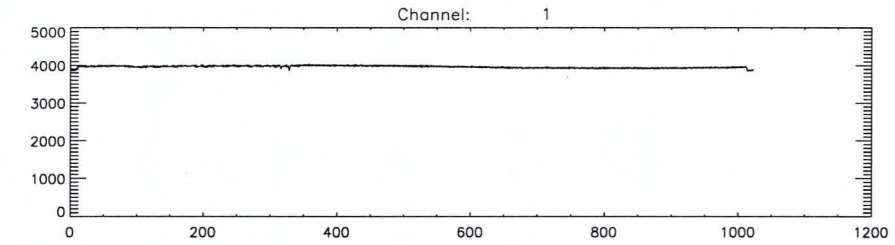
Copy to MOD (Follow instructions in file `/home/drz/DOC/MOD*`)
Note, normally, you don't have to mount the MOD.

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

Sign:
Name _____
Date and time _____
Signature _____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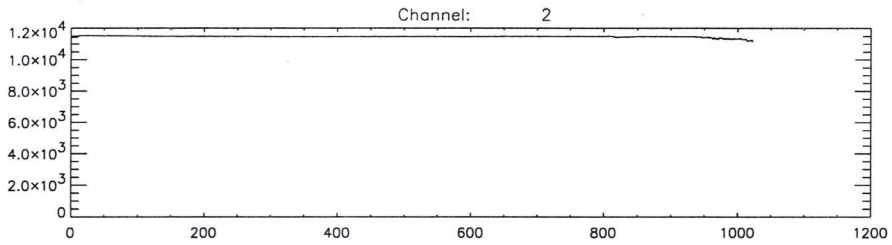
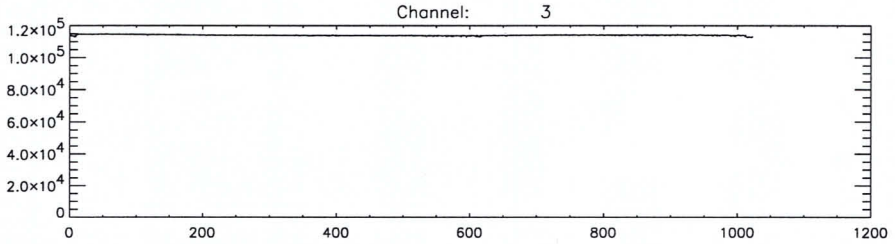
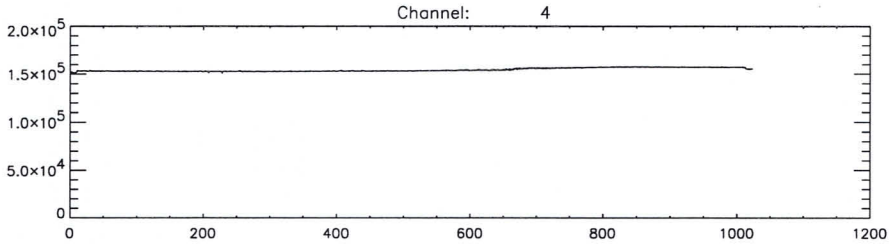
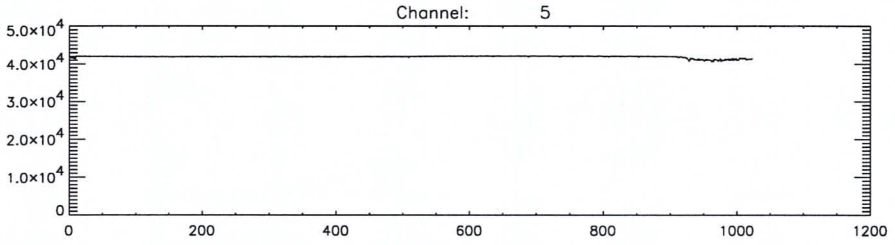
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


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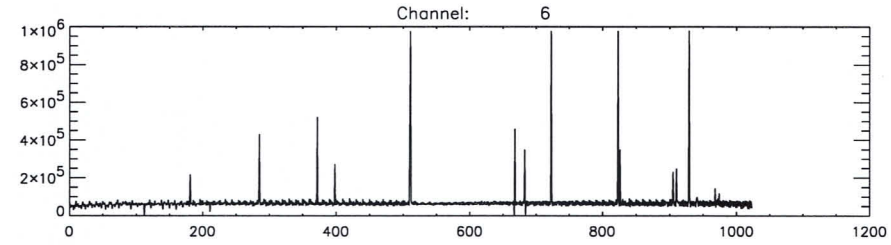
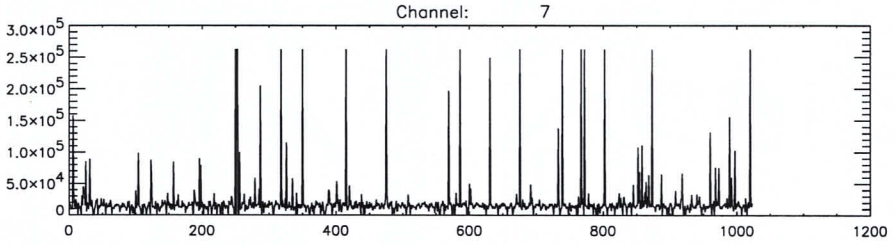
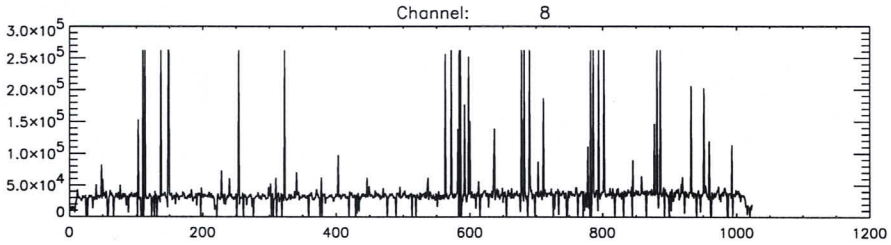
600
800
1000
1200


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


Channel: 8
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
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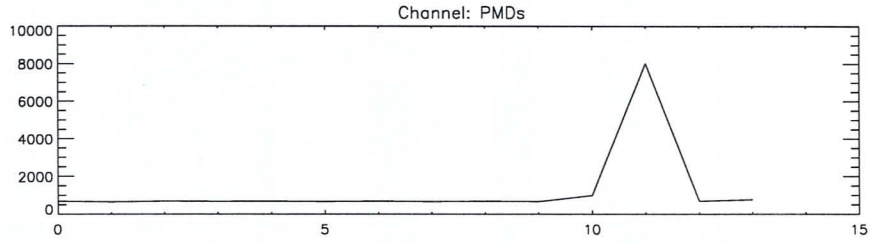
400
600
800
1000
1200


Channel: PMDs
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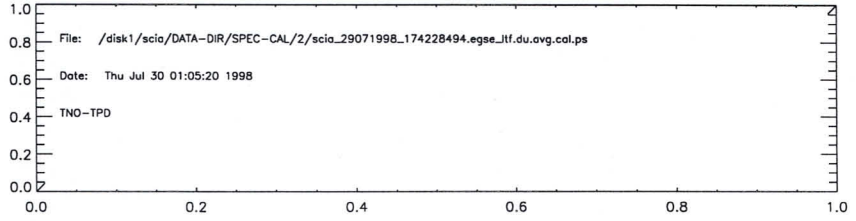
8000
6000
4000
2000
0
0
5
10
15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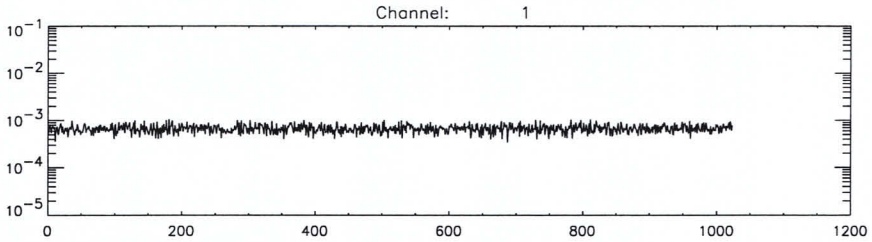
Date: Thu Jul 30 01:05:20 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

24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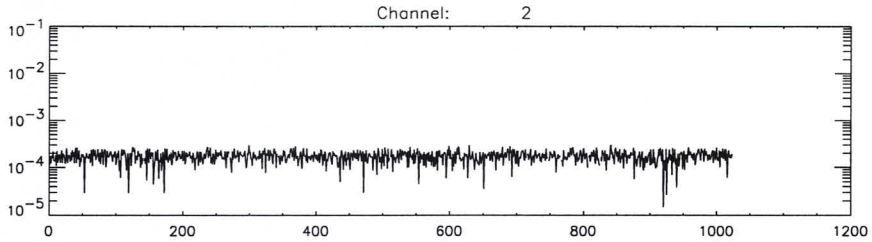
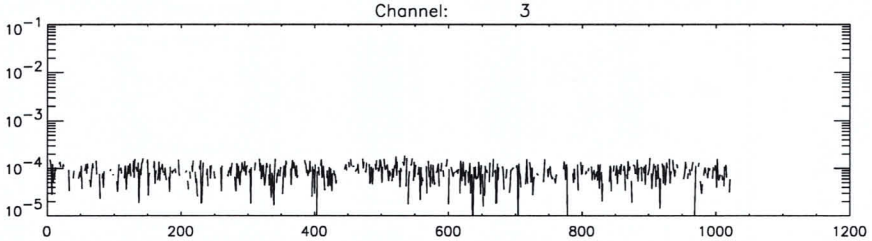
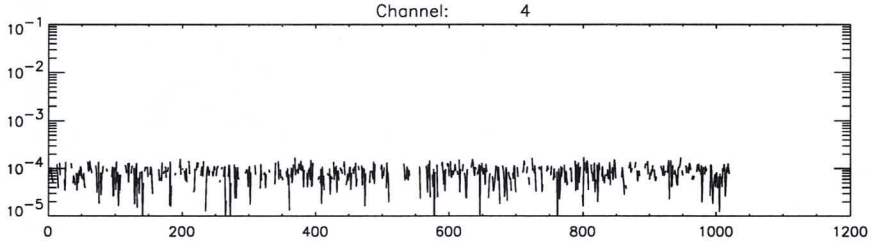

Channel: 2


Channel: 3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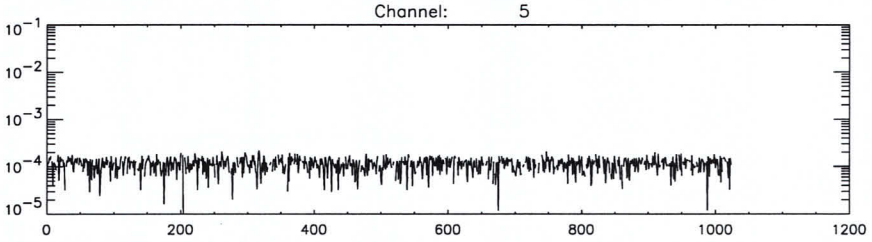
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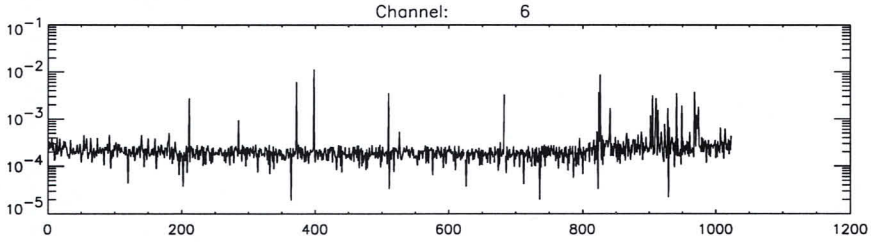
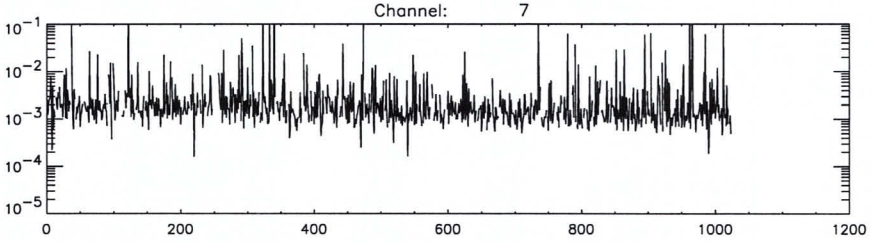
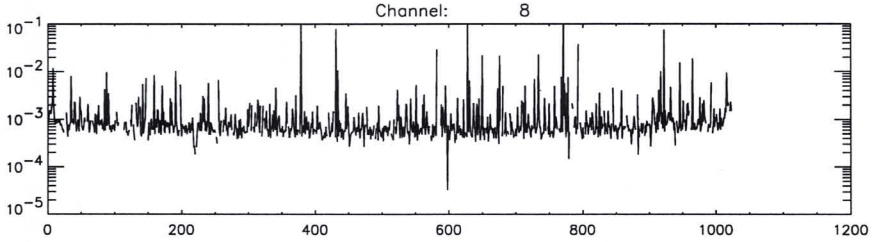
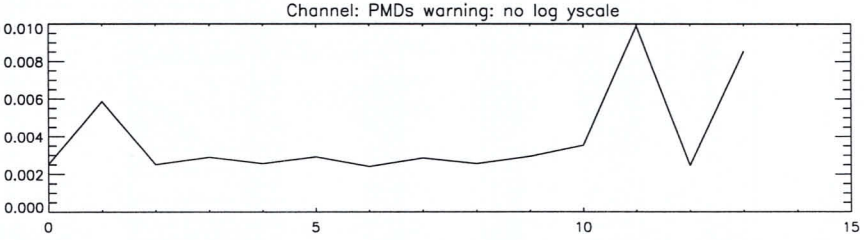
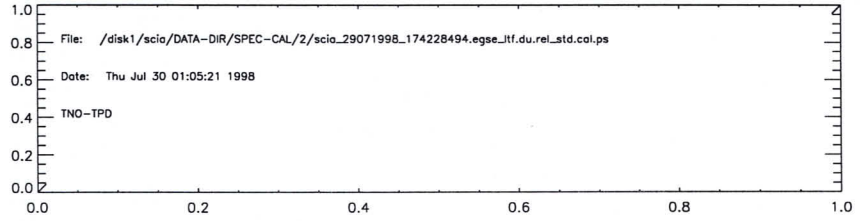

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale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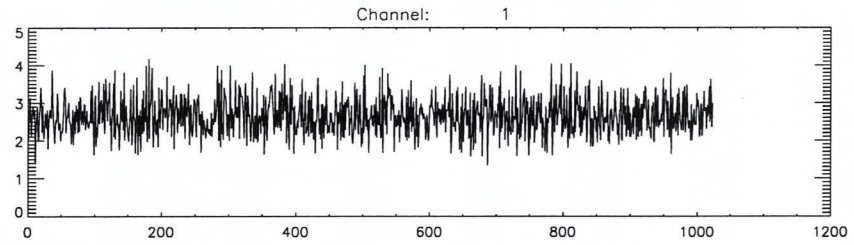
Date: Thu Jul 30 01:05:21 1998
TNO-TPD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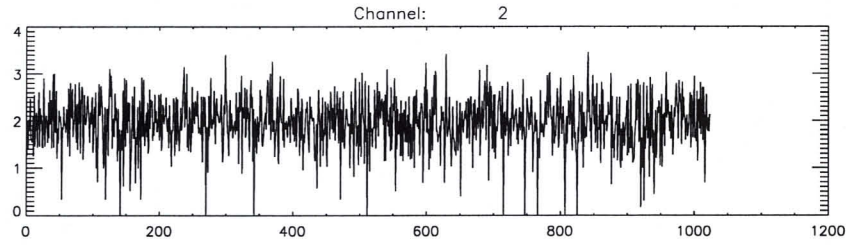
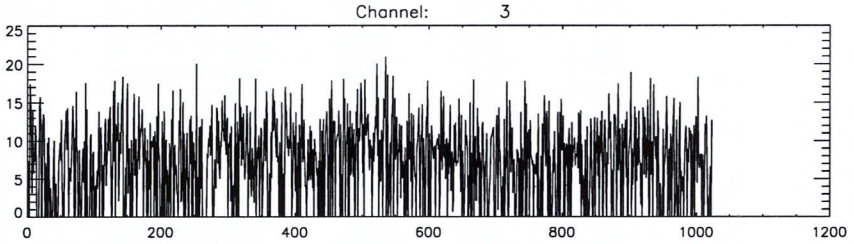
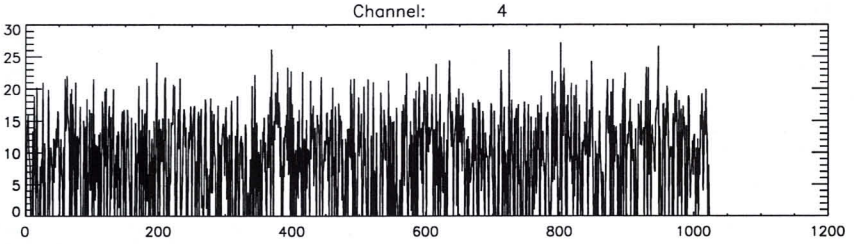
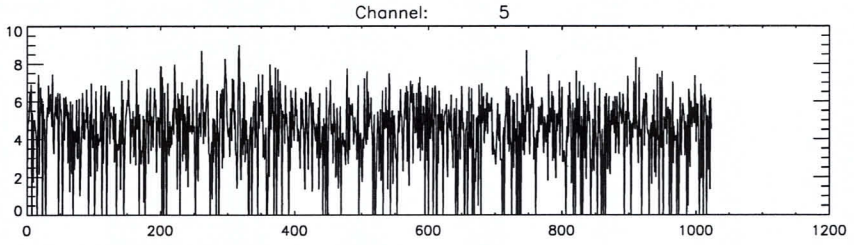
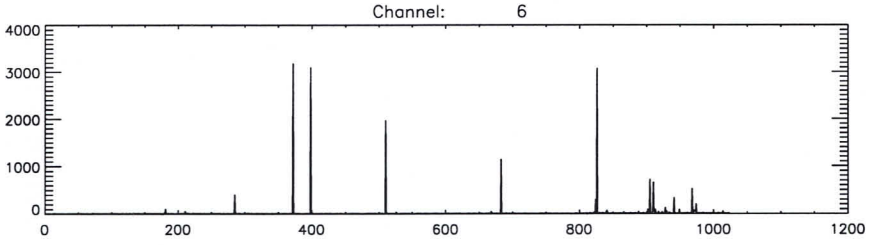
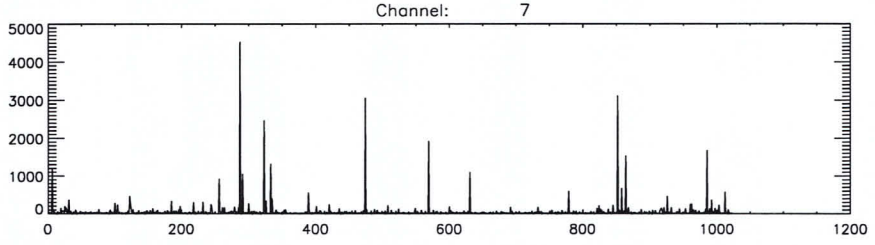

Channel: 2

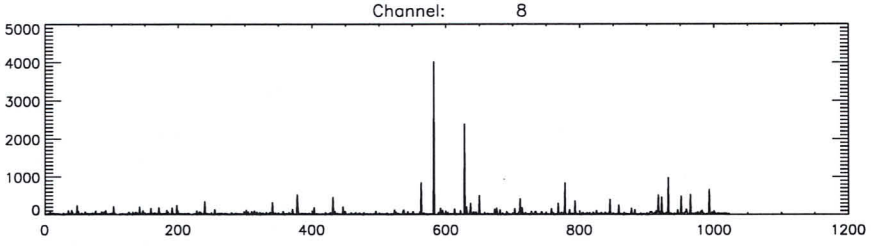

Channel: 3

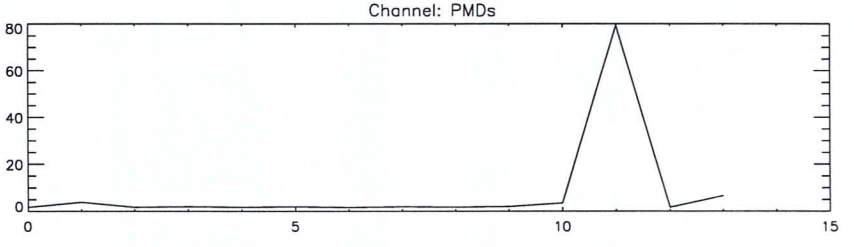

Channel: 4

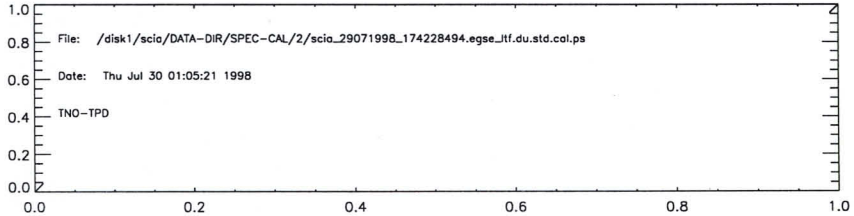

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_itf.du.std.cal.ps
Date: Thu Jul 30 01:05:21 1998
TNO-TPD

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_29071998_174228494.egse_ltf.pu.avg.cal.ps
#####
scia6
#####
Printed: Thu 01:20 Jul 30, 1998
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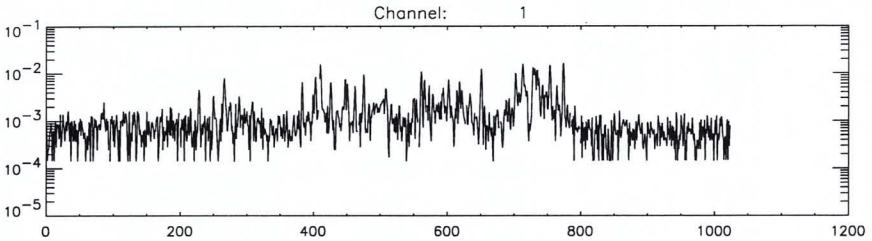
Job number: hp6mp-208
#####
#####
#####
#####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10^{-4}
10^{-5}
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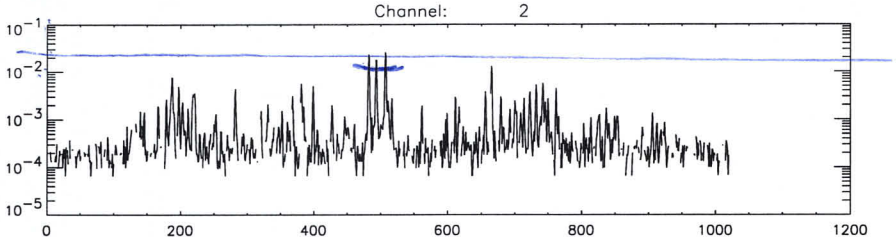
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10^{-4}
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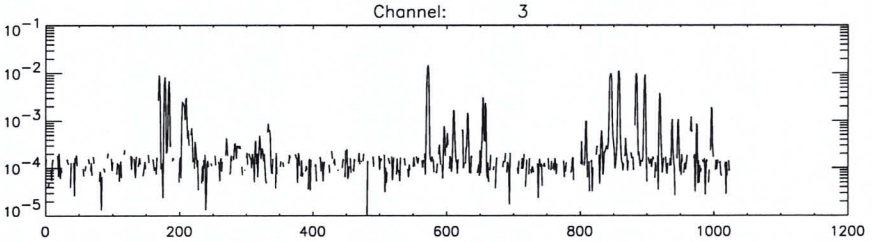
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600
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1000
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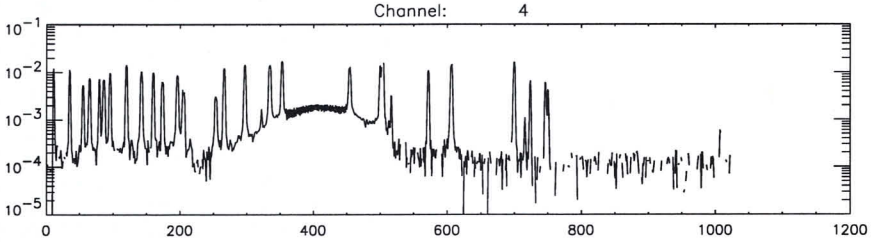
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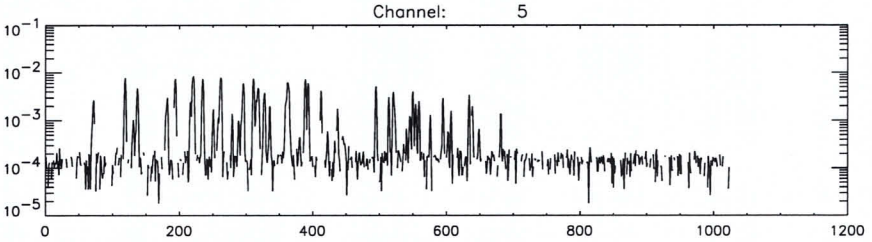
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600
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1000
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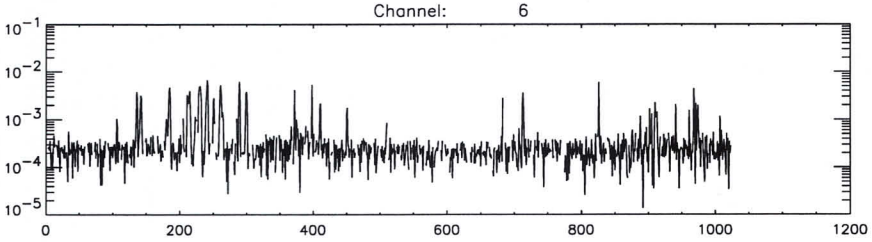
Channel: 6
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10^{-4}
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600
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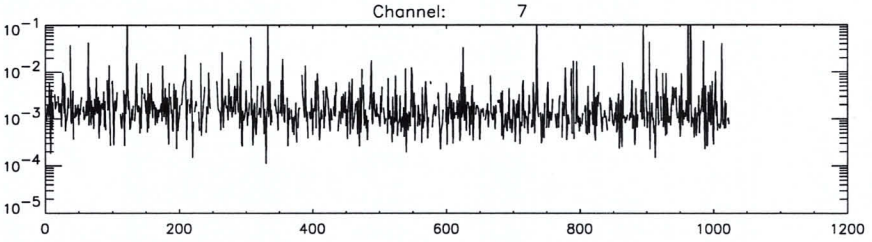
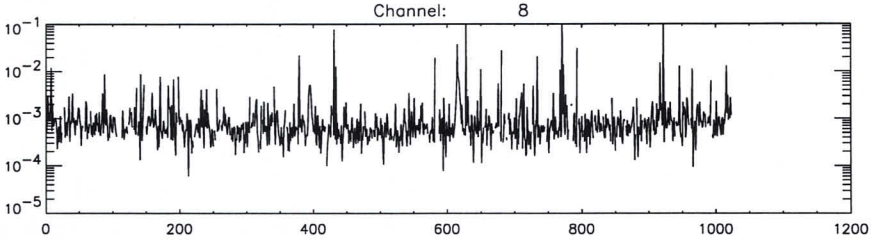
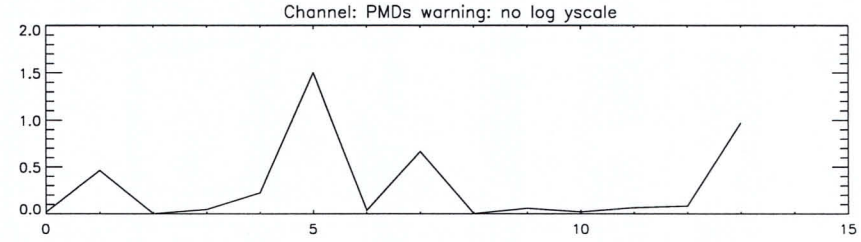
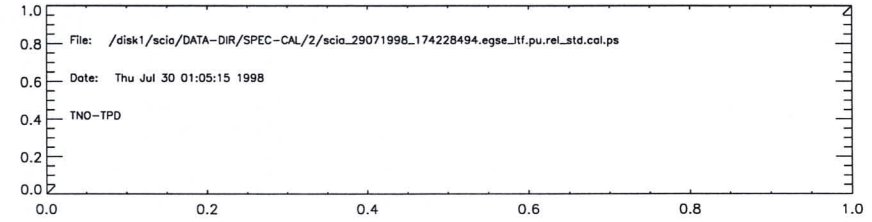
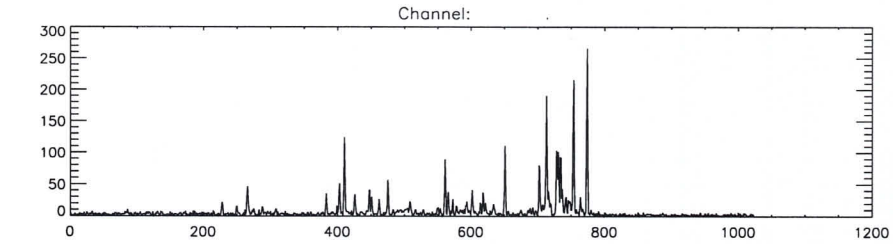
1000
1200

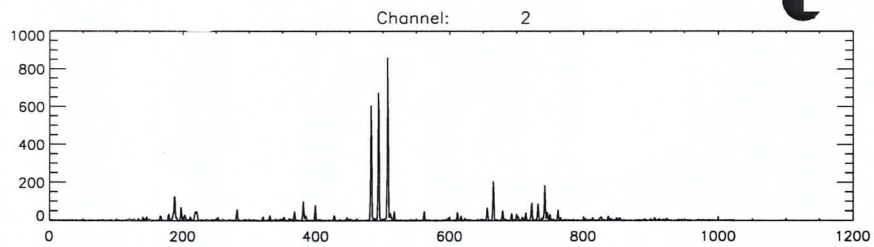

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

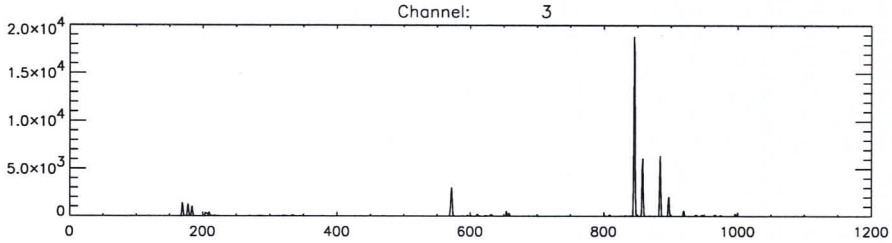

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

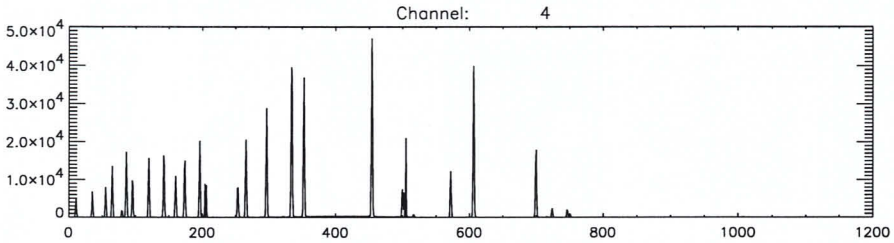

Channel: PMDs warning: no log yscale
2.0
1.5
1.0
0.5
0.0
0
5
10
15

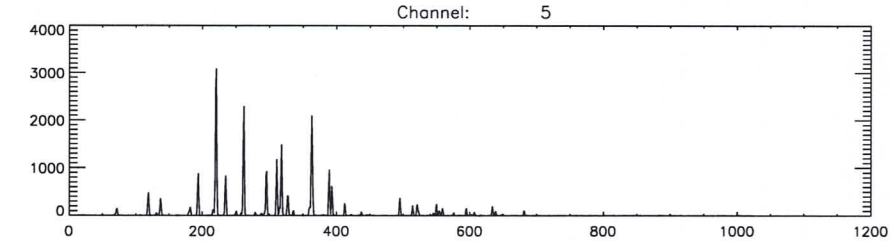

File: /disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_itf.pu.rel_std.cal.ps
Date: Thu Jul 30 01:05:15 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

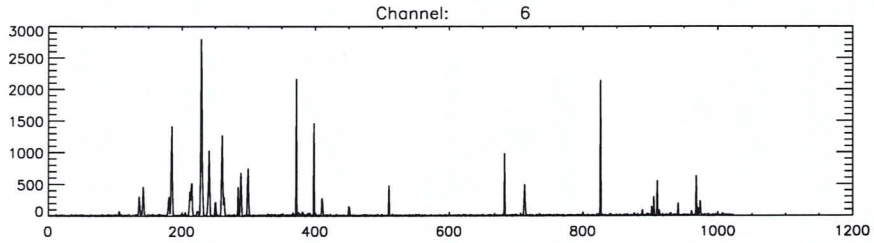

Channel:
300
250
200
150
100
50
0
0
200
400
600
800
1000
1200

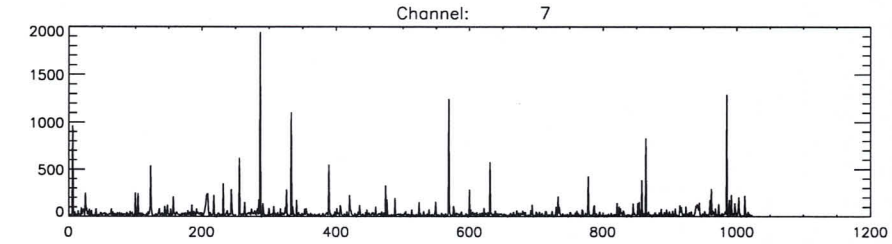

Channel: 2
1000
800
600
400
200
0
0
200
400
600
800
1000
1200

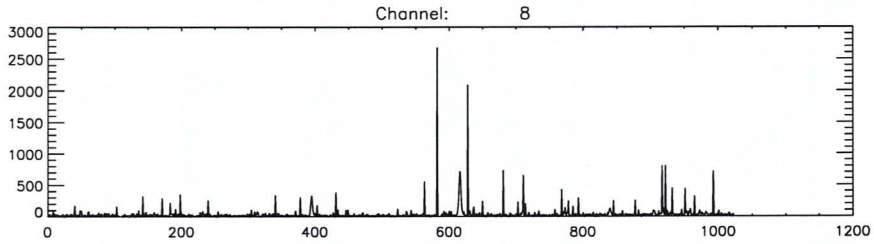

Channel: 3
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200

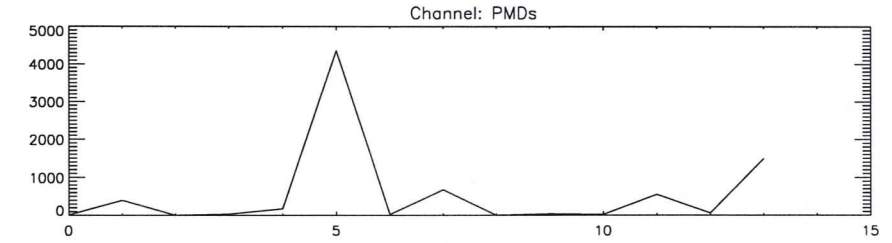

Channel: 4
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

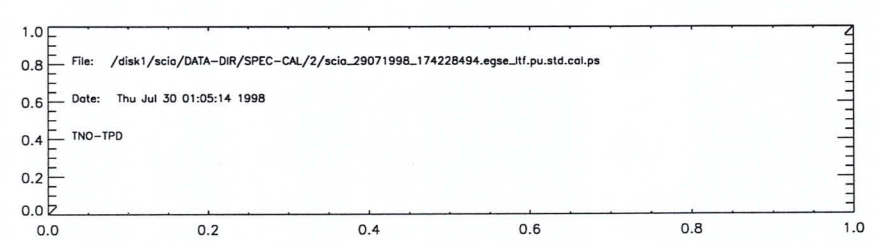

Channel: 5
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

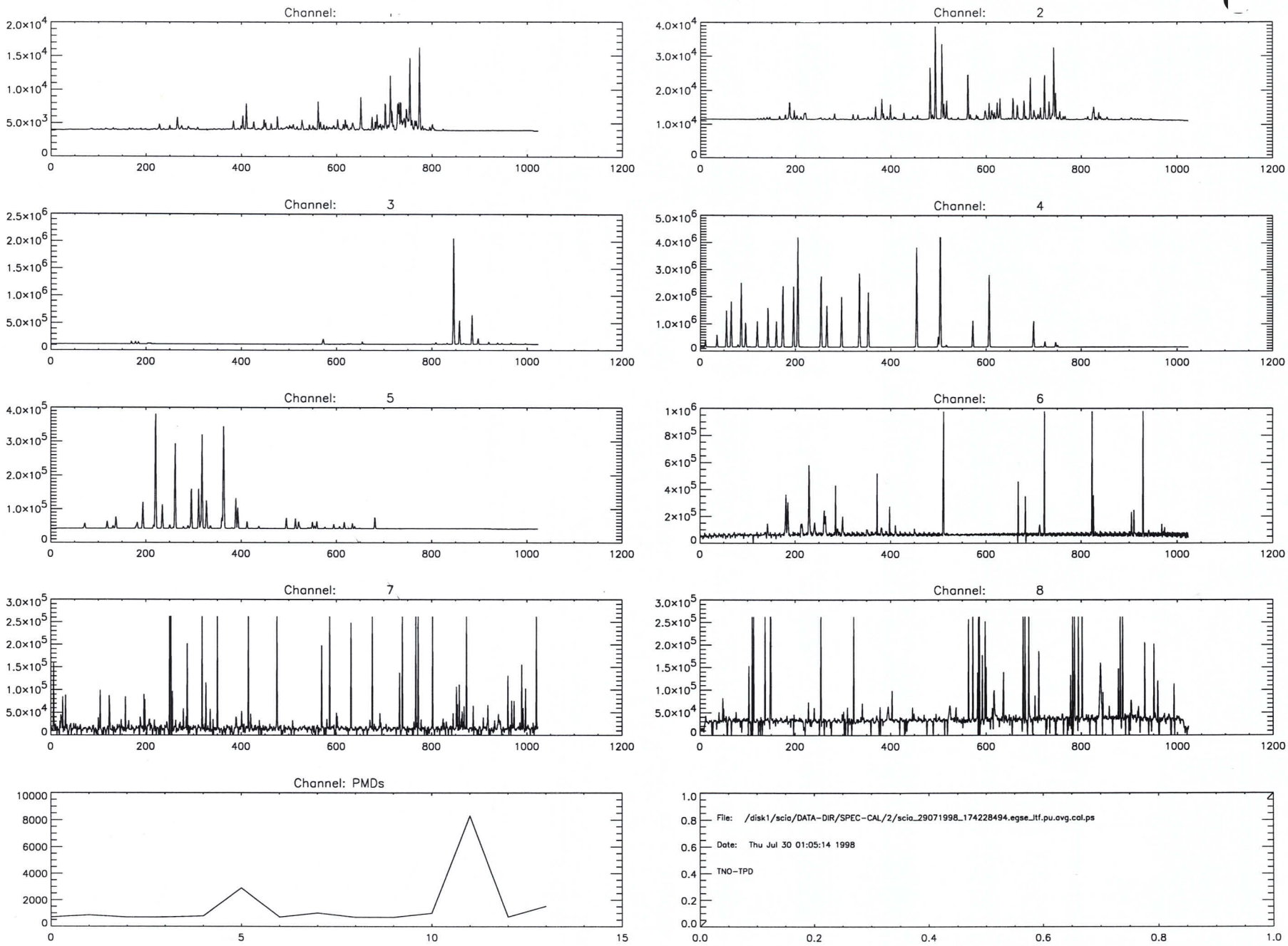

Channel: 6
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 7
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: 8
3000
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200


Channel: PMDs
5000
4000
3000
2000
1000
0
0
5
10
15

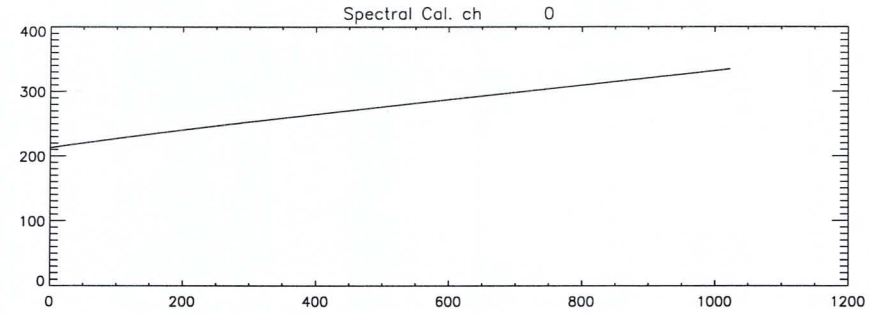

File: /disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_itf.pu.std.cal.ps
Date: Thu Jul 30 01:05:14 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

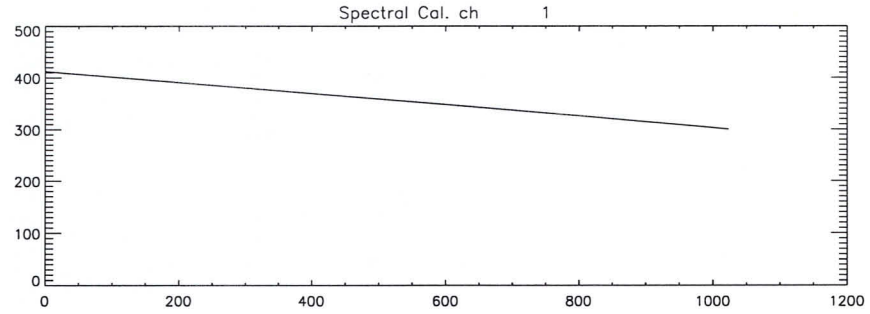

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_itf.pu.avg.cal.ps
Date: Thu Jul 30 01:05:14 1998
TNO-TPD

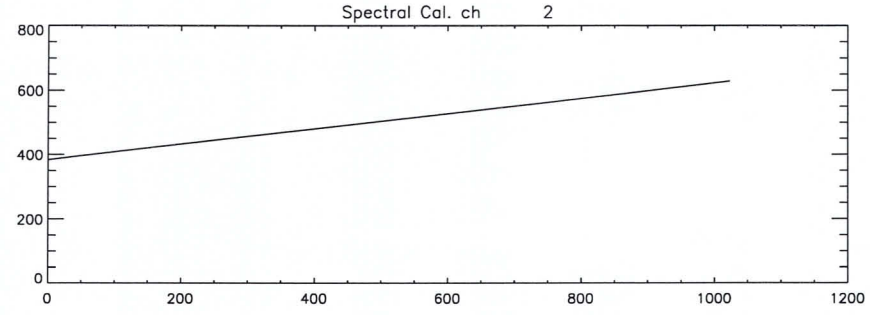
```
time       = Thu Jul 30 01:05:21 1998
batch      = du
Start TOD  = Wed 29-Jul-98 17:42:53
End   TOD  = Wed 29-Jul-98 17:43:53
Processing= computation of average, standard dev. and rel.standard dev.
```

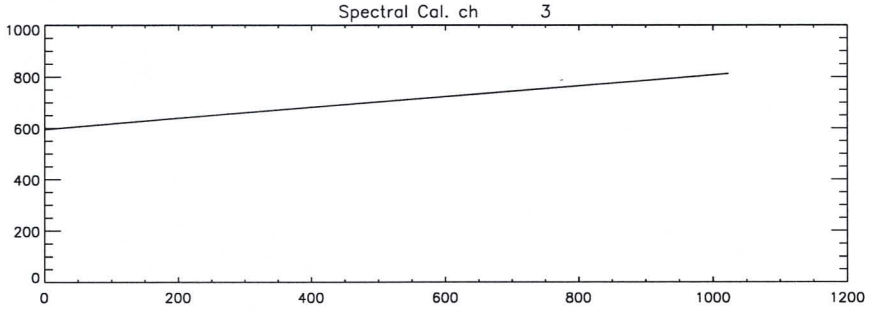
```
time       = Thu Jul 30 01:05:15 1998
batch      = pu
Start TOD  = Wed 29-Jul-98 17:42:28
End   TOD  = Wed 29-Jul-98 17:42:53
Processing= computation of average, standard dev. and rel.standard dev.
```

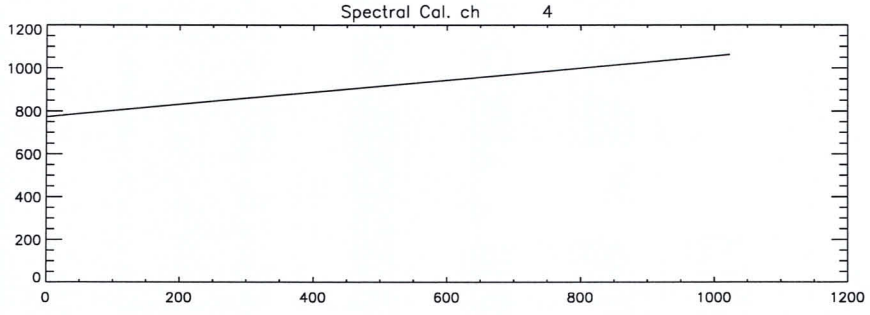
```
time       = Thu Jul 30 01:05:09 1998
batch      = start of atp: sls_int
Start TOD  = Wed 29-Jul-98 17:42:28
End   TOD  = Wed 29-Jul-98 17:42:28
Processing= computation of average, standard dev. and rel.standard dev.
```

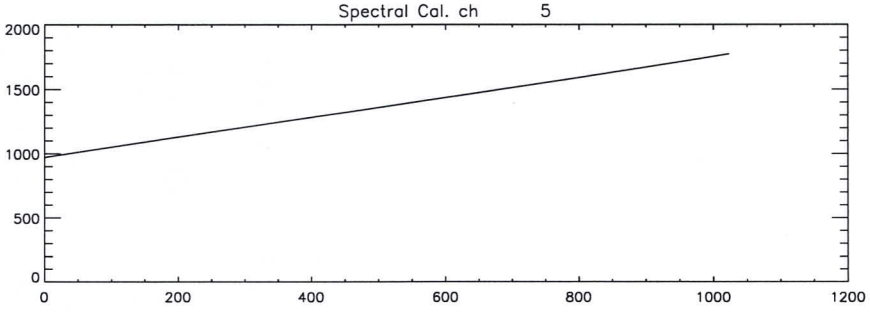

Spectral Cal. ch 0
0
100
200
300
400
0
200
400
600
800
1000
1200

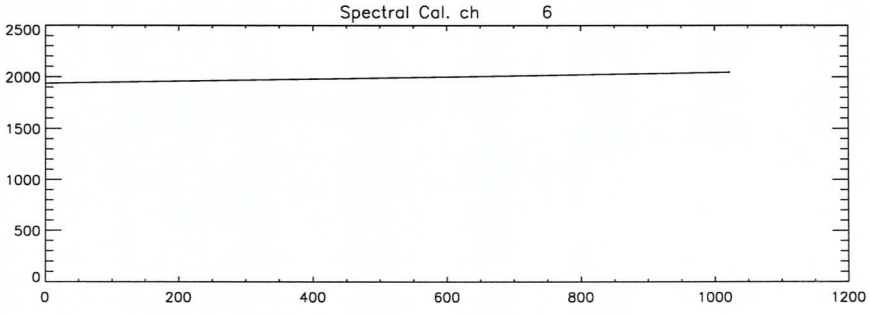

Spectral Cal. ch 1
0
100
200
300
400
500
0
200
400
600
800
1000
1200

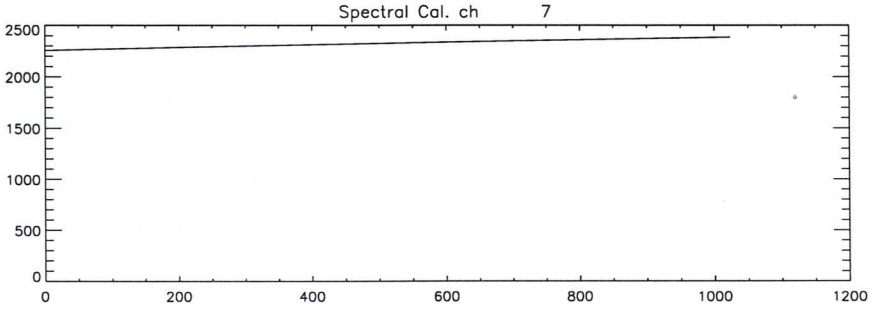

Spectral Cal. ch 2
0
200
400
600
800
0
200
400
600
800
1000
1200


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

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_29071998_174228494.egse_ltf.du.avg.cal.wl.data.log
#####
#####             scia6
#####
#####    Printed: Thu 02:36 Jul 30, 1998
#####
##### Job number: hp6mp-213
#####
#####
#####
#####
#####
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_ltf.du.avg.cal
and

/disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.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/2/scia_29071998_174228494.e
Processing time: Thu Jul 30 02:10:11 1998
Output file name:
/disk1/scia/DATA-DIR/SPEC-CAL/2/scia_29071998_174228494.egse_ltf.du.avg.cal.wl

```
time       = Thu Jul 30 01:05:21 1998
batch      = du
Start TOD  = Wed 29-Jul-98 17:42:53
End   TOD  = Wed 29-Jul-98 17:43:53
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 01:05:15 1998
batch      = pu
Start TOD = Wed 29-Jul-98 17:42:28
End   TOD = Wed 29-Jul-98 17:42:53
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 01:05:09 1998
batch      = start of atp: sls_int
Start TOD = Wed 29-Jul-98 17:42:28
End   TOD = Wed 29-Jul-98 17:42:28
Processing= computation of average, standard dev. and rel.standard dev.
```

40

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	J.H. du Clou 30.07.98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0210-17.26.46-SLS-TST	(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 _____

5 6

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	J.H. du Clou 30-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0210_17.26.46_SLS_INT	(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
		2
		
		3
		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`
		
		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:		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`		
	size: 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).	_____	should be approx 150kb

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

Instead of 'su', 'pu' is also used (internal sls)

Spec line processing

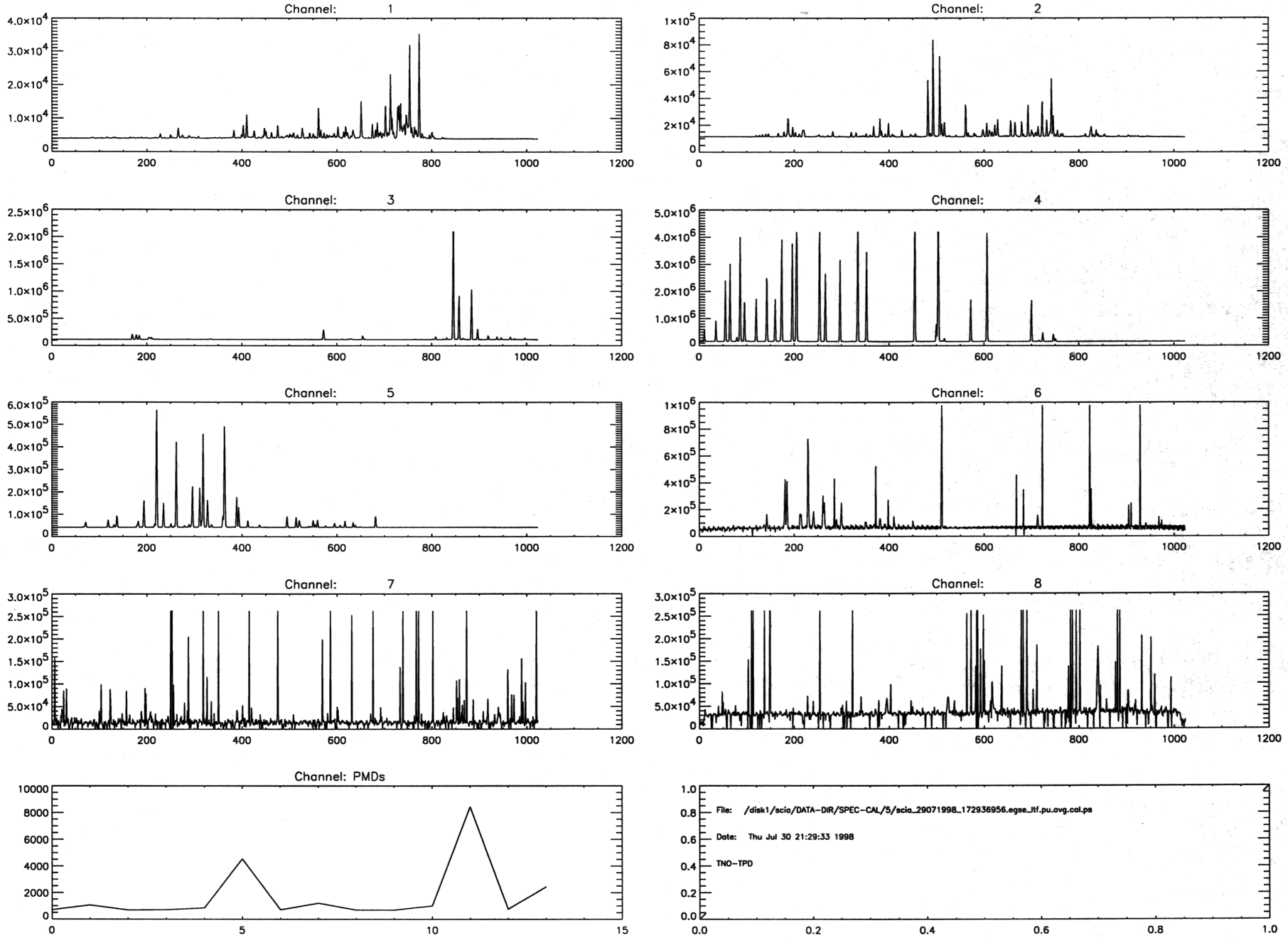
Run Spec	`idl do_spec_cal`	In IDL window

Check spec	`ls -l wl.data`		In DATA DIR window should be approx a few kilobytes
	Size of file `wl.data`	_____	
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).		See analysis sheet BackUp
	Name of backup CDs	_____	
Sign:	Name	_____	
	Date and time	_____	
	Signature	_____	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-7-98	A. Bos wrote:	
	~~The fir~~ Analysis (without analysis sheets) of the first 5 SLS_INT measurements (measured : 29-7-98).	0210_1726.46_SLS_INT 0210_1716.28_SLS_INT 020_1654.03_SLS_INT 020_1750.01_SLS_INT 020_1739.30_SLS_INT
	The purpose of this analysis is to find the ESM angle having maximum output.	
	Method : 1. Run_averscia on all 5 measurements 2. check light average files (dremark1 = pu) for maximum values. 3. Results see next 5 postscript images	
	Result: ESM angle 9.765 gives maximum	
	This is the nominal ESM value according to ATP-document	
	Note : 1/ Analysis done at sun: tpdezo 2/ No Speccal done yet. 3/ Files are also stored on scia6: DATA-DIR/SPEC-CAL/41 Read Readme.	


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/5/scia_29071998_172936956.egse_itf.pu.avg.cal.ps
Date: Thu Jul 30 21:29:33 1998
TNO-TPD

ANGLES: ESM: 9.765 ASM 745

Pagenumber:

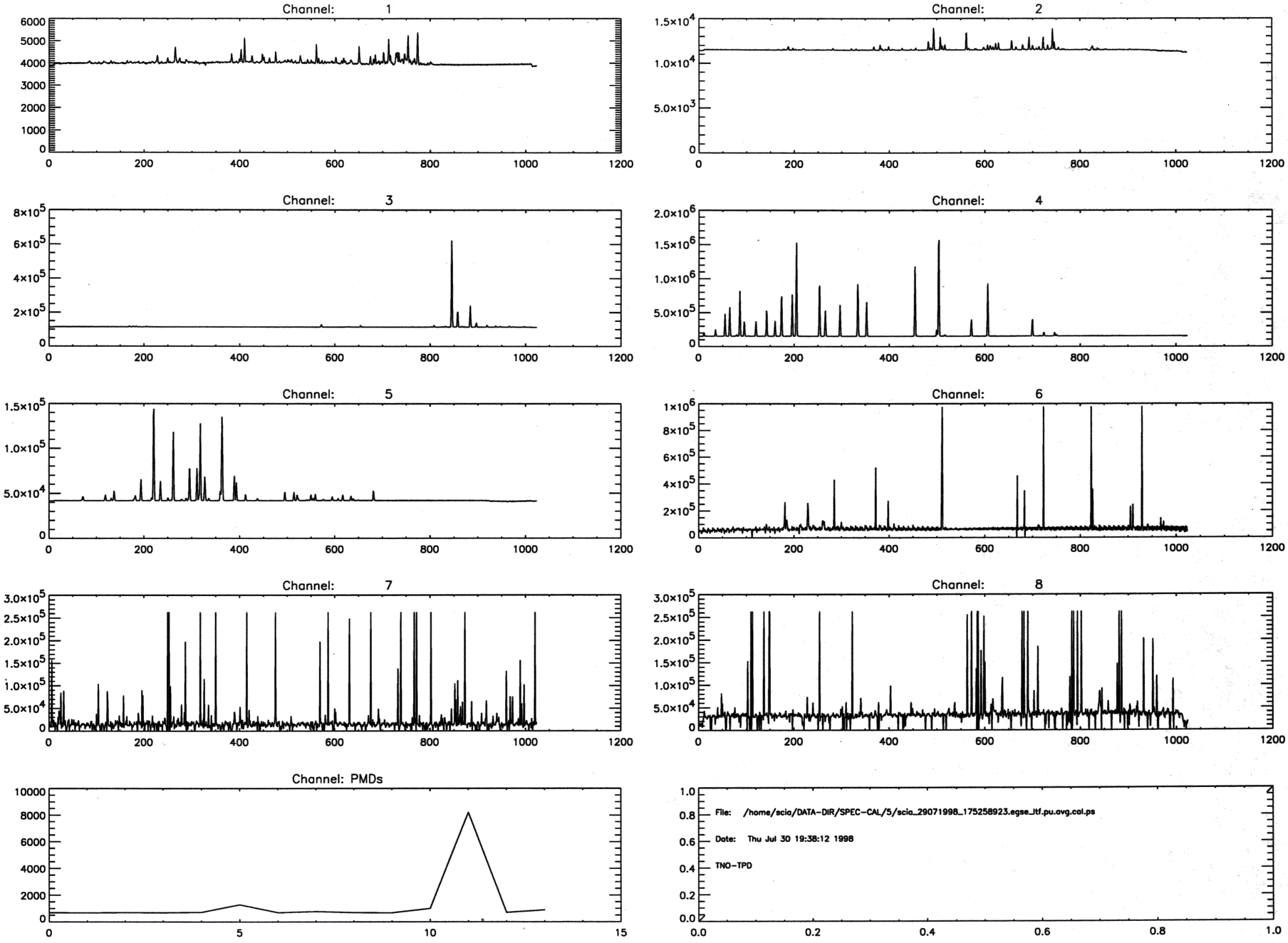
LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-7-98	A Bos wrote: ~~The fi~~ Analysis (without analysis sheets) of the first 5 SLS_INT measurements (measured: 29-7-98).	0210_1726.46_SLS_INT 0210_1711.28_SLS_INT 0210_1654.03_SLS_INT 0210_1750.01_SLS_INT 0210_1739.30_SLS_INT
	The purpose of this analysis is to find the ESM angle having maximum output.	
	Method: 1. Run_averscia on all 5 measurements 2. Check light average files (dremantel = pu) for maximum values. 3. Results see next 5 postscript images	
	Result: ESM angle 9.765 gives maximum	
	This is the nominal ESM value according to ATP_document	
	Note: 1/ Analysis done at Sun: tpdezo 2/ No speccal done, yet.	

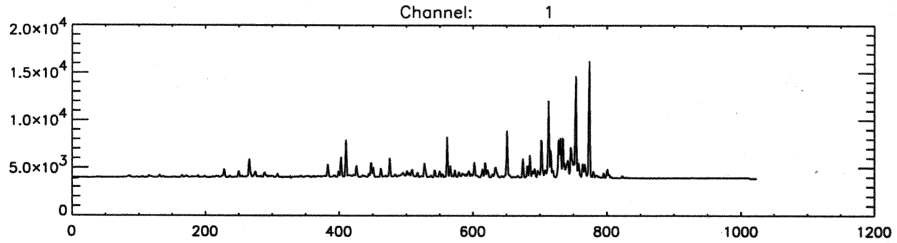
1/ Files are also stored on Scia6: DATA-DIR/SPEC-CAL/4

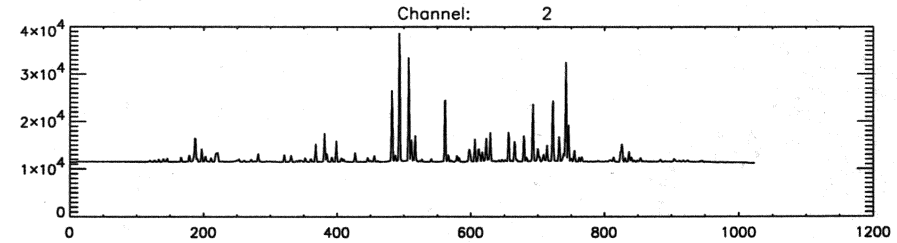
Rea. RC DME.

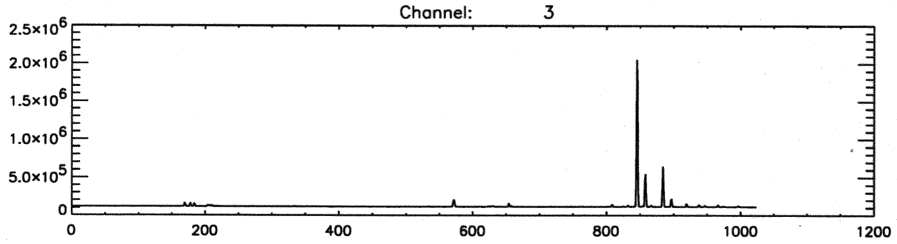
ANGLES ESM: 9.86° ASM+45°

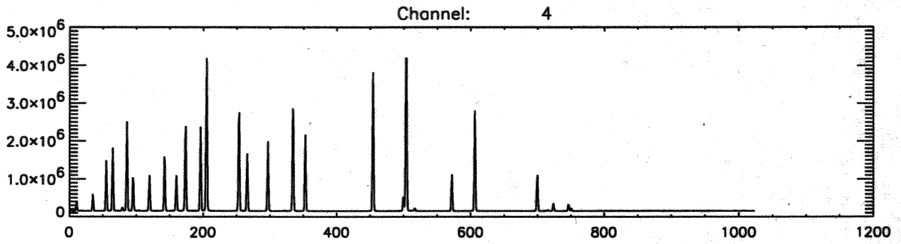


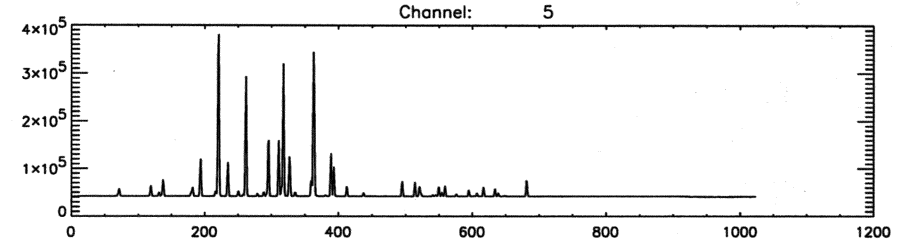
ANGLES ESM 9.815 ASM = 45

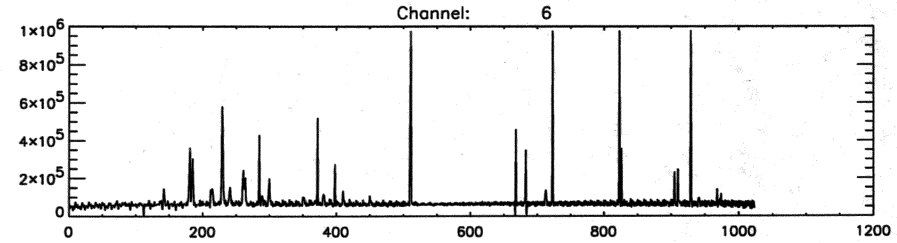


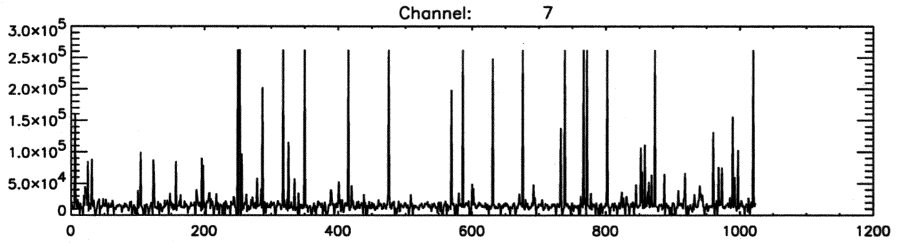


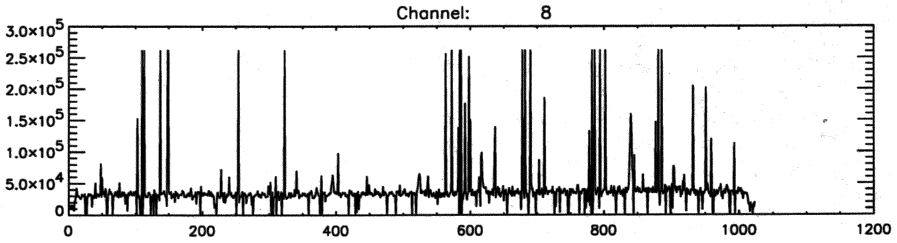


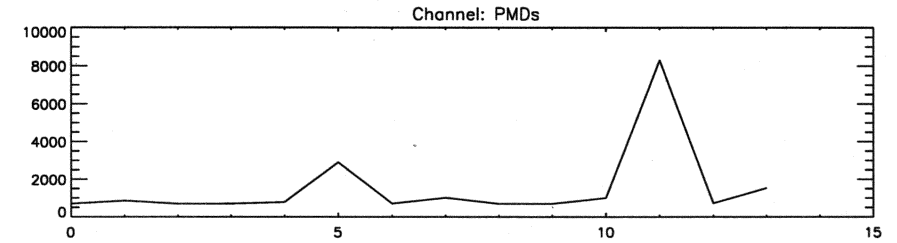


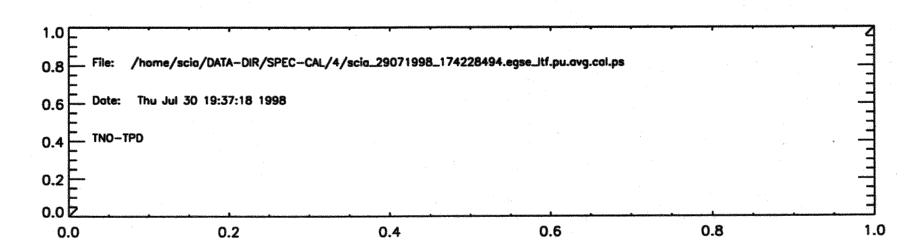




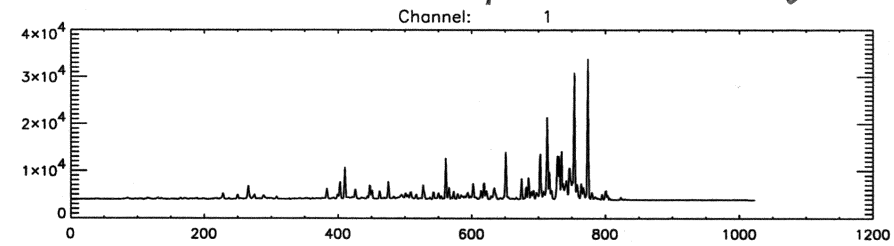


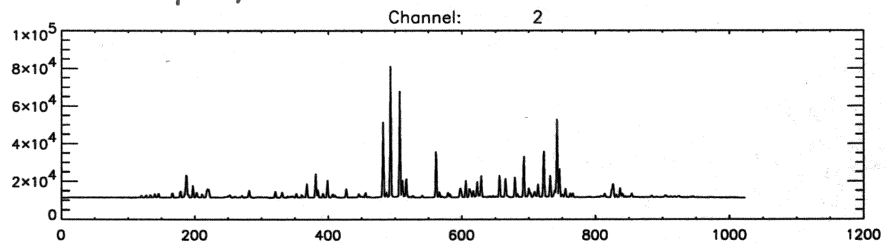


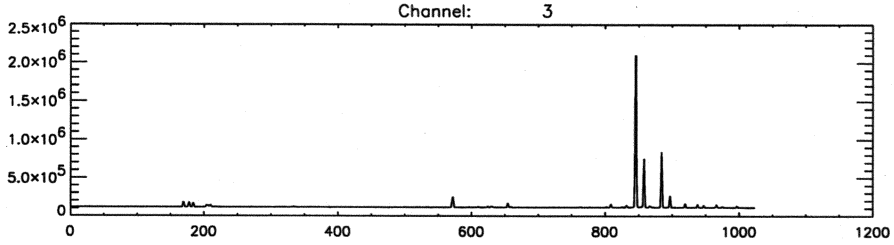


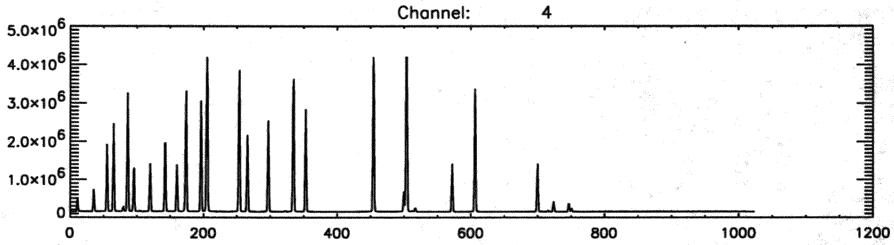


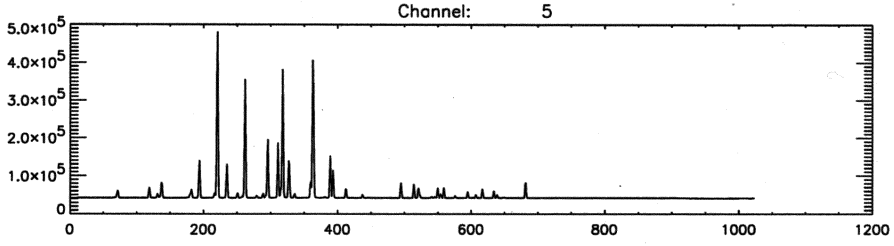
ANGLES: ESM +9 715 ASM +45

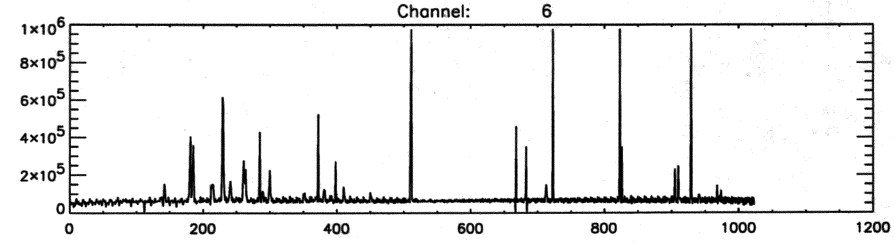


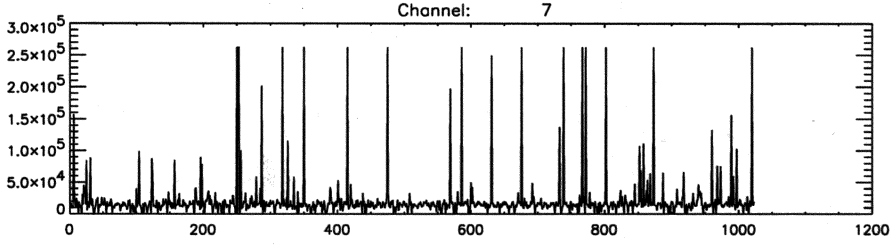


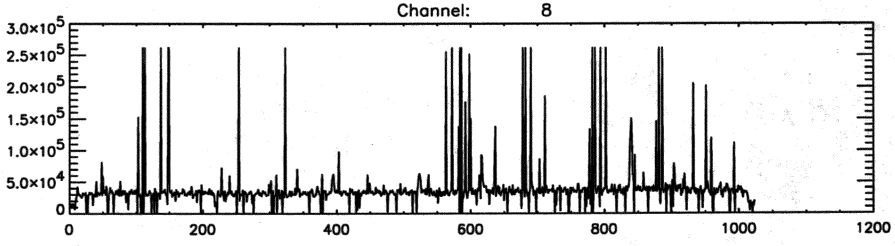


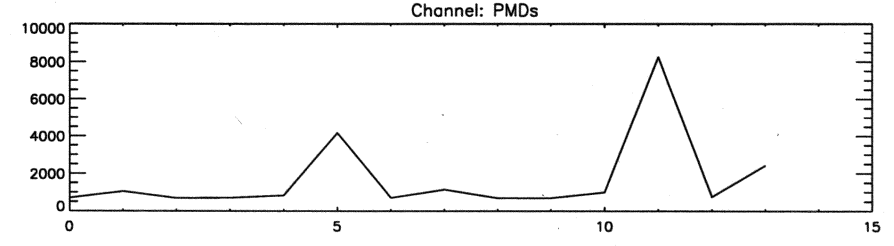


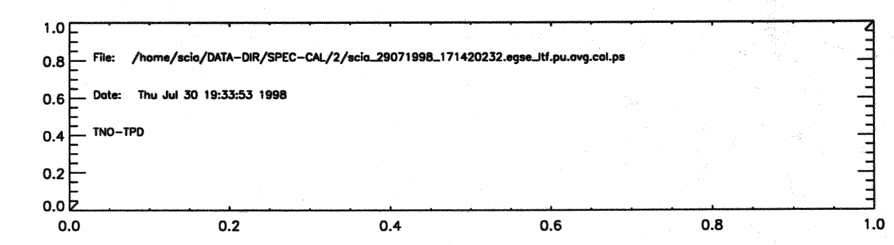




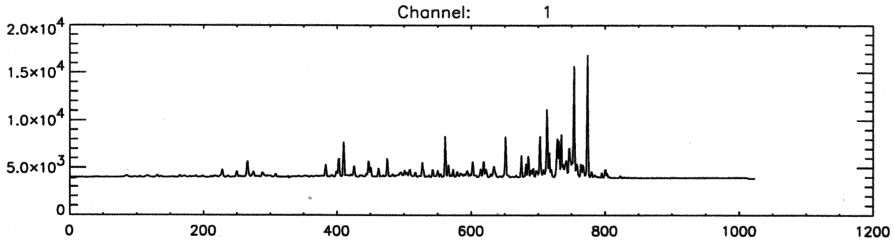


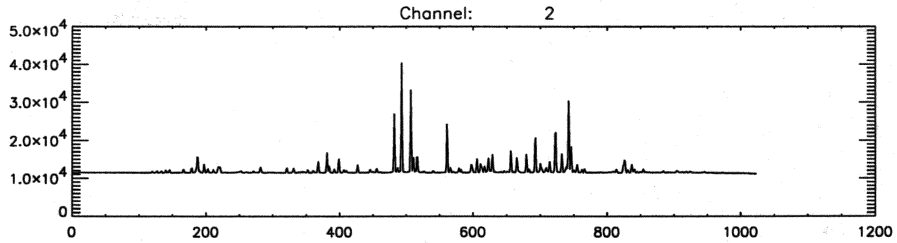


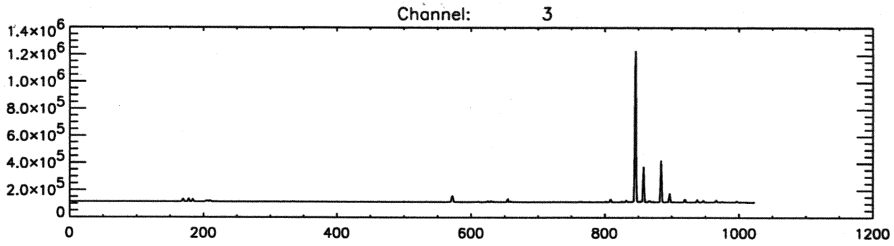


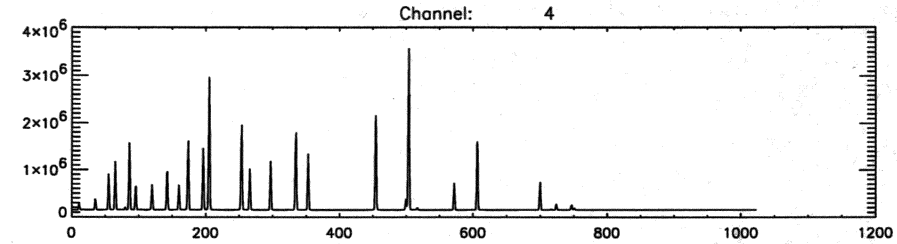


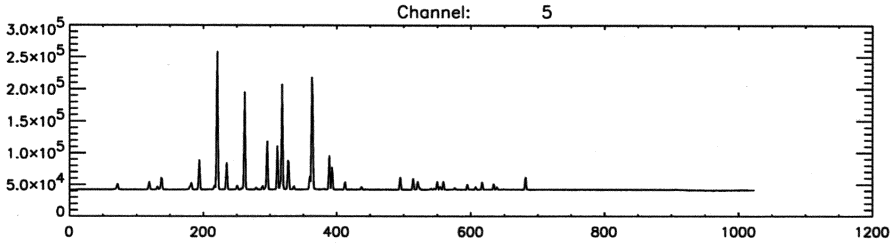
Wrgles: ESM: 9.665 ASM: 4.25

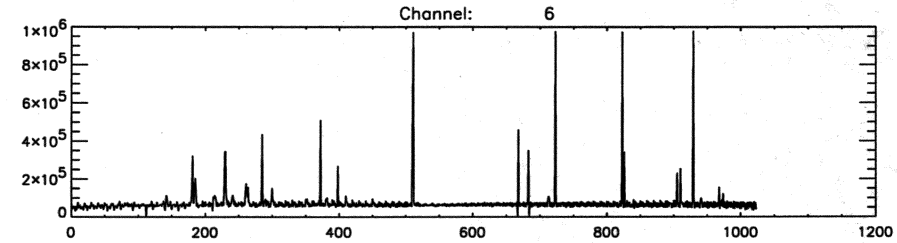


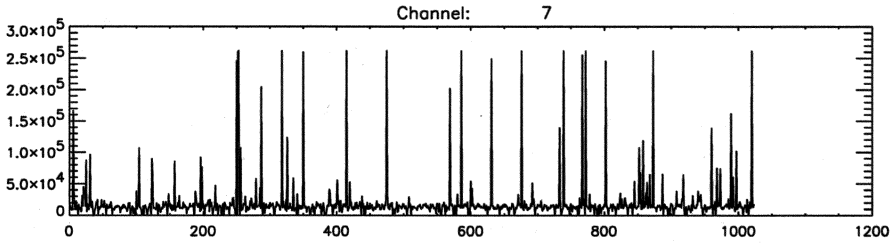


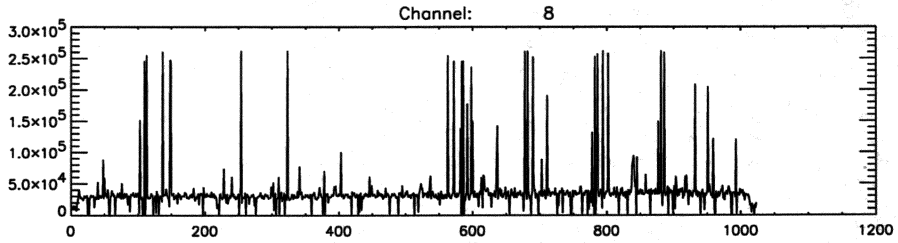


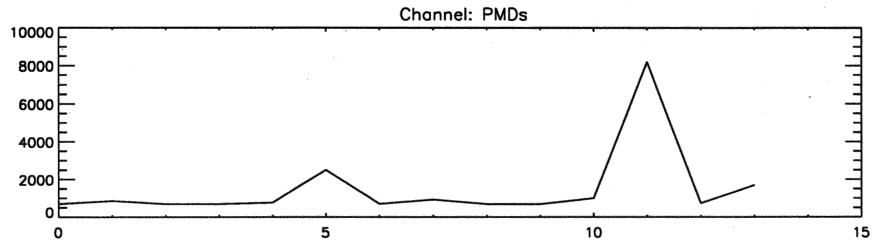


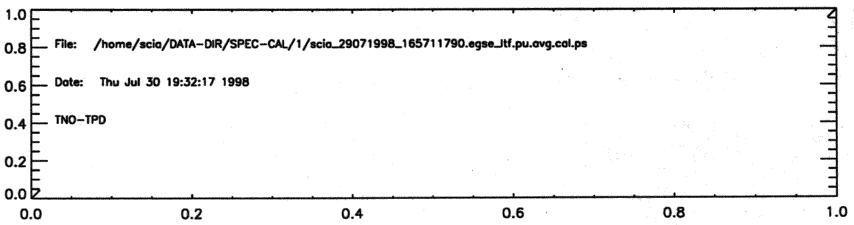












Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-7-98 15^04	A. Bos created a new correction ~~data~~ directory named ~/DATA-DIR/ORIGNAL-CORR contains original correction data. (that is, no correction for ppg, etalon, staylight) (WL-calibration is an old file. from sept 1997.	
30-7-98 15^30	A. Bos: The analyses runned so far are done with a worong dead-bad pixel file. (The file for the 2-S model is used, giving Shange results in channel 6 and 7).	
	The Solution: use the dead bad pixel file as given in predicted results and rerun the analyses.	

LOG SHEET SCIAMACHY CALIBRATION

Pagenumber:

date/time	description of action	measuremement filename
30-7 14:02	Questions: Door Andre Bos	
①	→ First etalon =580c is empty —	
②	→ Nadir radiance after do-radiance * . cal. p1. cal * . cal. p2. cal * . cal-p1. ps * . cal. p2. cal. ps ??	
③	→ In subdirectory Nadir\1 staan allerlei filetjes met "Start of AIP" Mag dit weg ?	
④	→ hoe zou de p1 en p2 van de do radiance eruit moeten zien	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-7-98 15^04	A. Bos created a new correction ~~data~~ directory named ~/DATA-DIR/ORIGNAL-CORR contains original correction data. (that is, no correction for ppg, etalon, staylight) (WL-calibration is an old file. from sept 1997.	
30-7-98 15^30	A. Bos: The analyses runned so far are done with a wrong dead-bad pixel file. (The file for the 2-S model is used, giving strange results in channel 6 and 7).	
	The Solution: use the dead bad pixel file as given in predicted results	
	and rerun the analyses.	

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-07		
	Remark	
19:37 UTC	Spectra seems oke Bad pixels are visible at ~~- SLS Int Channel 6~~ the second half of channel 6 in PLI measurement.	
	- first Measurement forgotten to ask for temperatures during WLS measurement later the same evening	
	T_1 206,4 T_4 222,3 T_7 149,4	
	T_2 205,9 T_5 220,8 T_8 146,5	
	T_3 223,7 T_6 201,8	
	- High noise in channel 1 en channel 2.	
	- with do_spec_cal_cal Background not fitted for channels 1, 2, 5, 6.	
	- wl.data seems much to small.	
	- all 5 SLS measurement is sub directory speccal\4 and nominal angle also in speccal\5 all files on CD 300798B	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 300798	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_29071998-17293695 6.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
			Note: In window DATA-DIR
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	4 5 (Y) N	(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	17293695 6.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
	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
```

should be approx 150kb

size: 145990

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).

DU niet met Solan in de Internal lamp.

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.
If not, value is: Y / N tot 3% bij kanaal 2

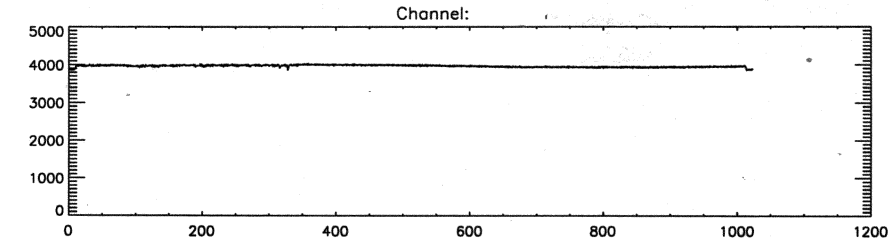
Add postscript images to logbook, done Y / N

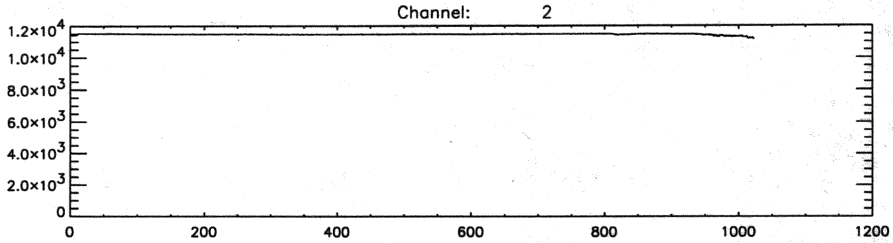
Print logfiles `lpr -P<printer> *.log`
Add logfiles to logbook, done Y / N

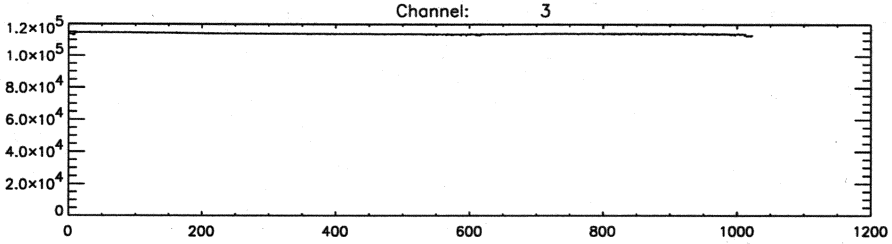
Spec line processing

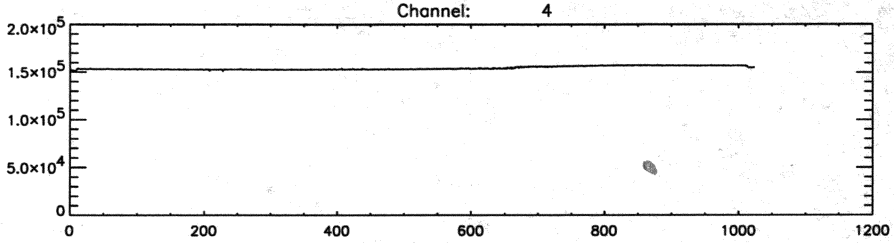
Run Spec `idl do_spec_cal` In IDL window

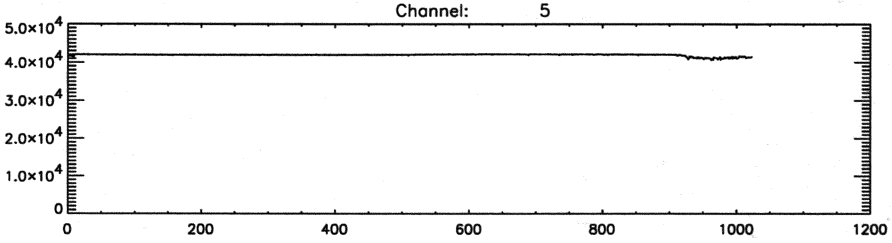
Check spec	`ls -l wl.data`		In DATA DIR window should be approx a few kilobytes
	Size of file `wl.data`	927 b	
Check XSI visually	`lpr -P<printer> *.data.ps` Is the value of the spectral calibration approx. a straight line in all channels? (Note: in channel 2: negative slope)	(Y) / N	
	Add postscript 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	300798 B	See analysis sheet BackUp
Sign:	Name	Marion Stoppelenburg	
	Date and time	300798 19:50	
	Signature	M. Stopp	

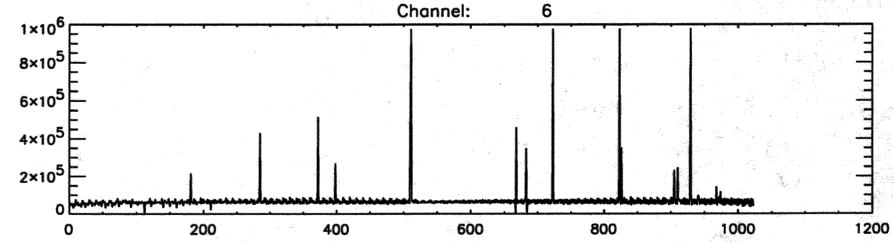

Channel:
5000
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200

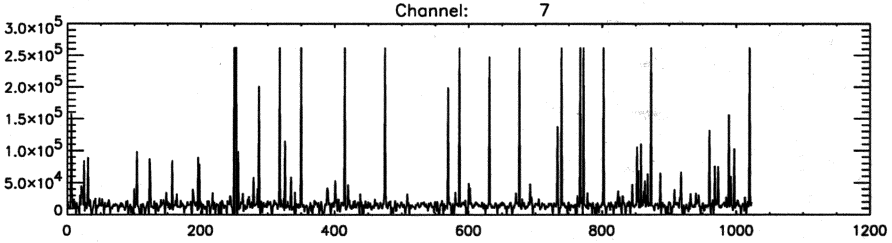

Channel: 2
1.2×10^4
1.0×10^4
8.0×10^3
6.0×10^3
4.0×10^3
2.0×10^3
0
0
200
400
600
800
1000
1200

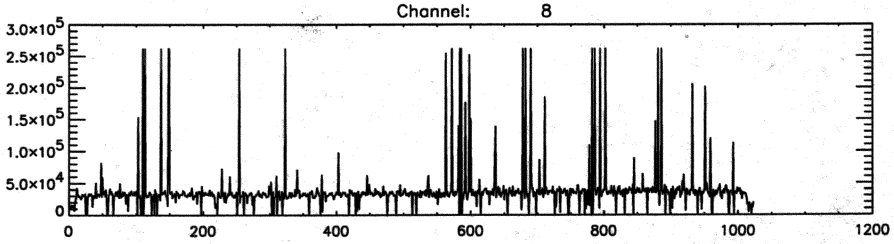

Channel: 3
1.2×10^5
1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
0
0
200
400
600
800
1000
1200

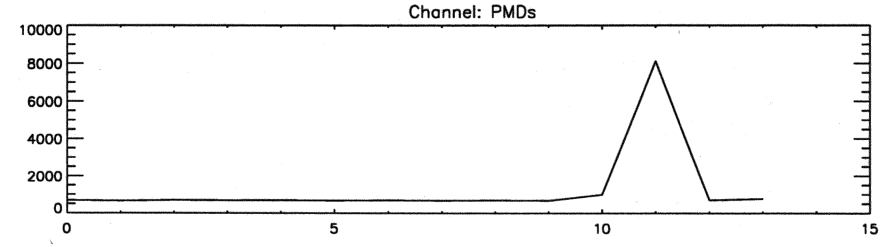

Channel: 4
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

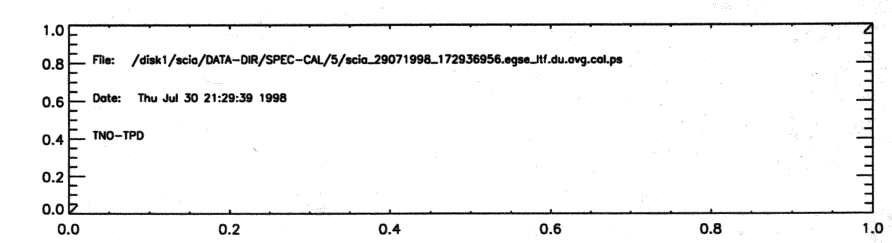

Channel: 5
5.0×10^4
4.0×10^4
3.0×10^4
2.0×10^4
1.0×10^4
0
0
200
400
600
800
1000
1200

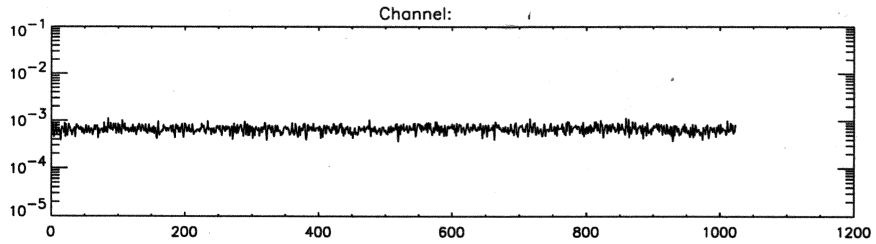

Channel: 6
1×10^6
8×10^5
6×10^5
4×10^5
2×10^5
0
0
200
400
600
800
1000
1200

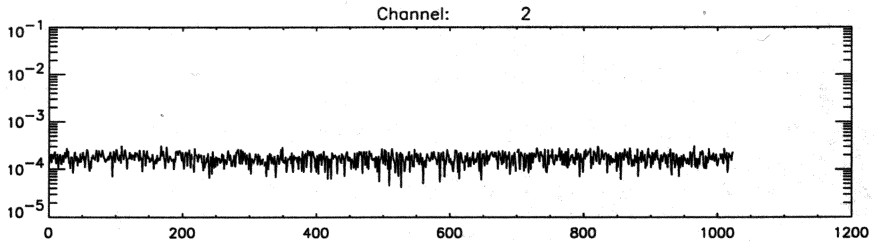

Channel: 7
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

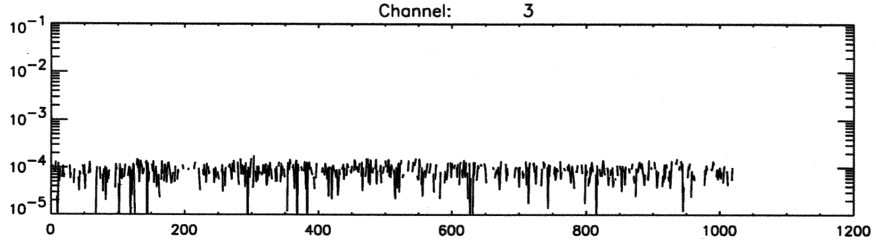

Channel: 8
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

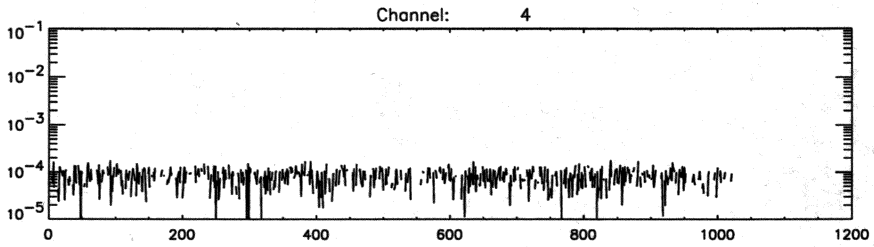

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

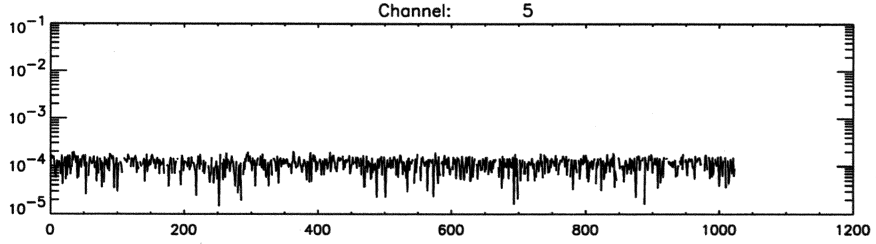

File: /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_itf.du.ovg.cal.ps
Date: Thu Jul 30 21:29:39 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

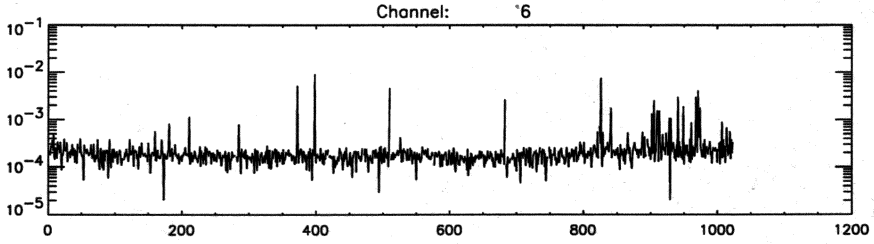

Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

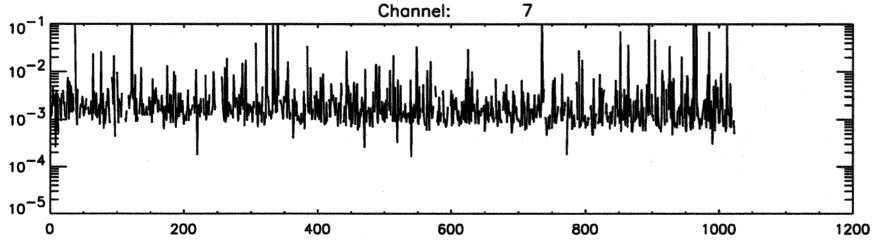

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

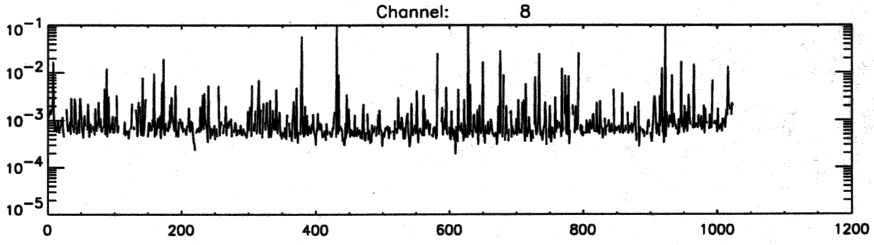

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

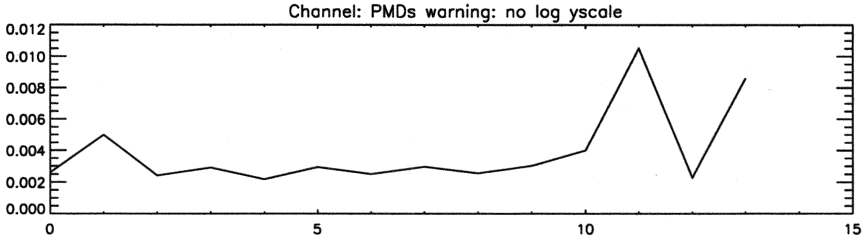

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

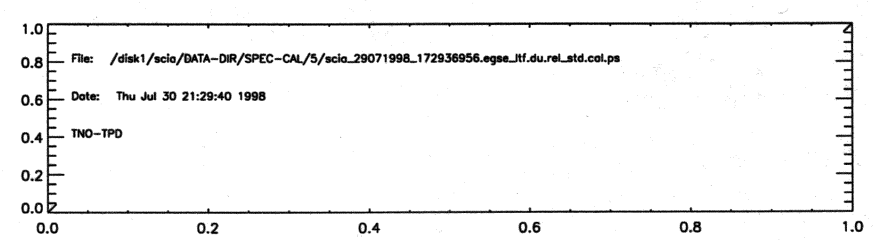

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

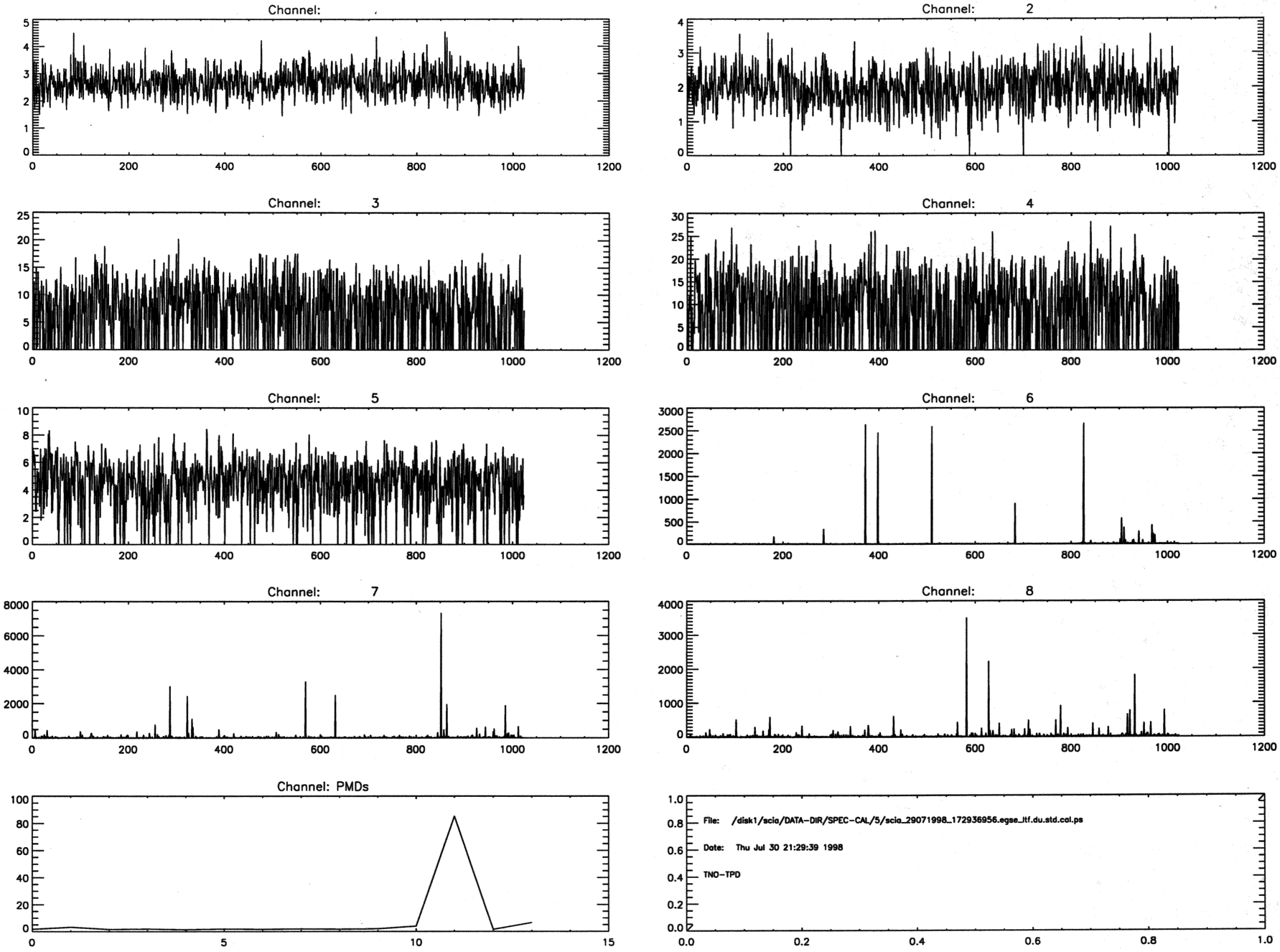

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

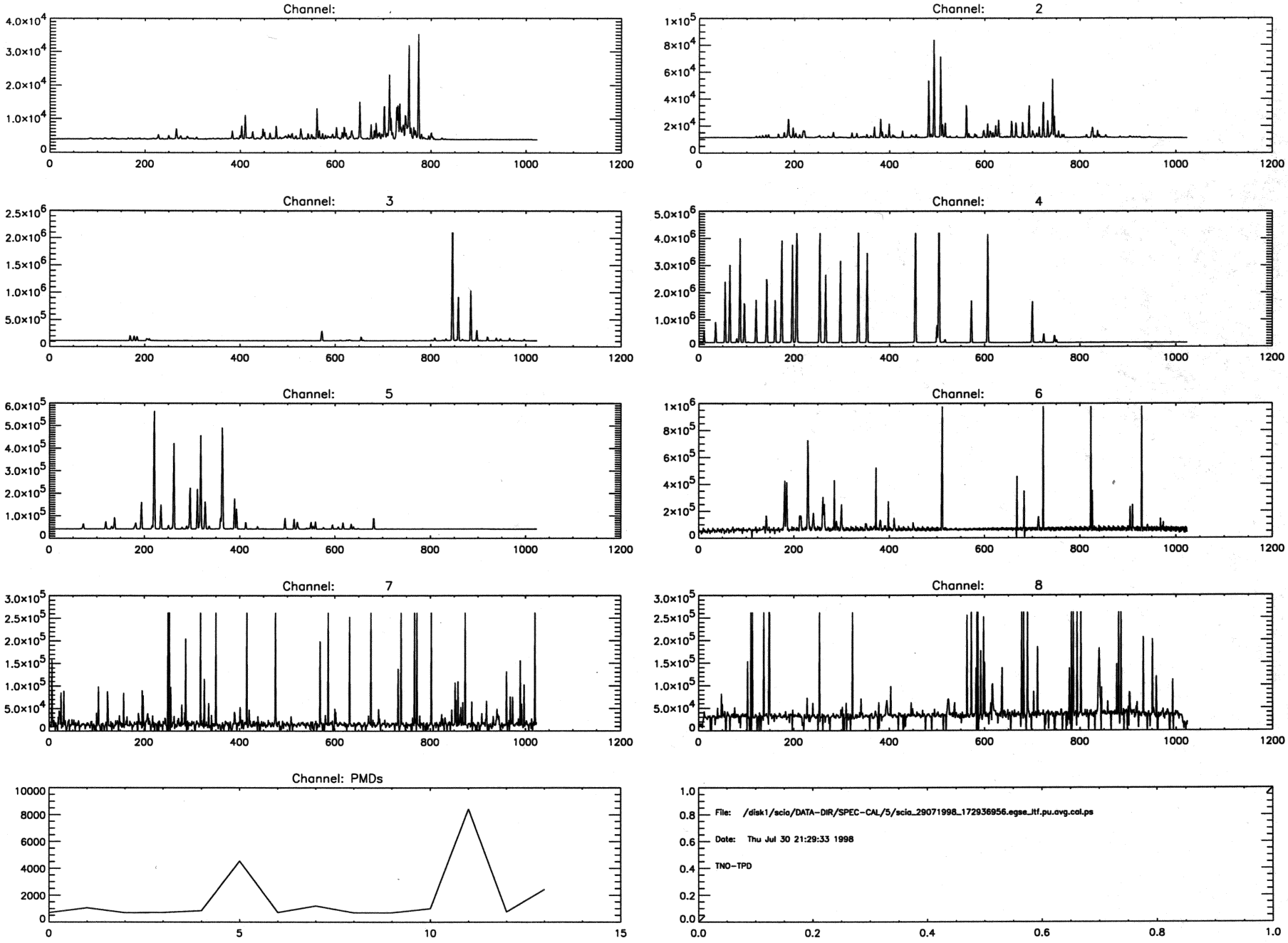

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

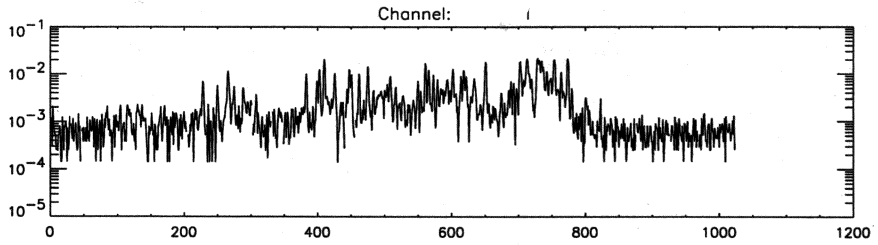

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

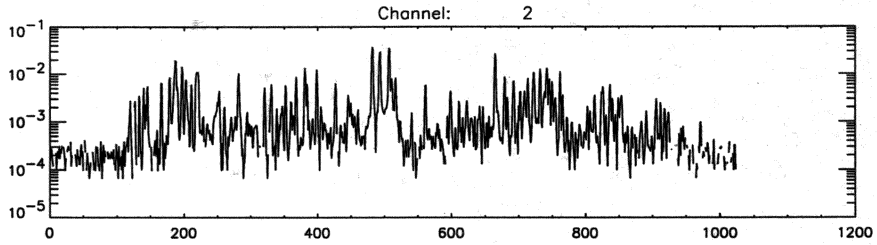

Channel: PMDs warning: no log yscale
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

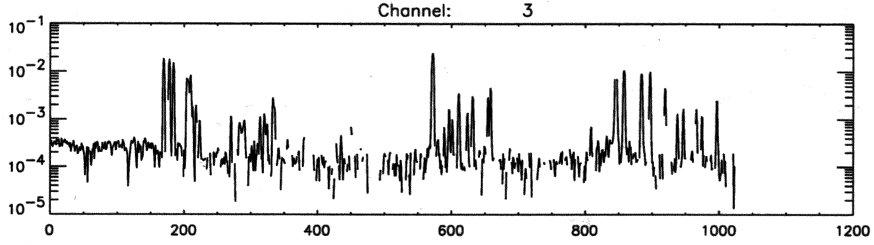

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scio/DATA-DIR/SPEC-CAL/5/scio_29071998_172936956.egse_itf.du.rel_std.cal.ps
Date: Thu Jul 30 21:29:40 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

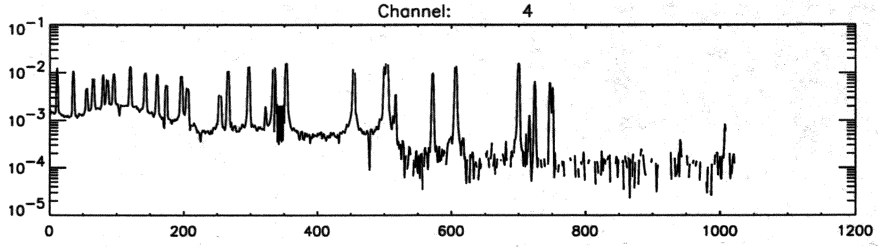

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_itf.du.std.cal.ps
Date: Thu Jul 30 21:29:39 1998
TNO-TPD

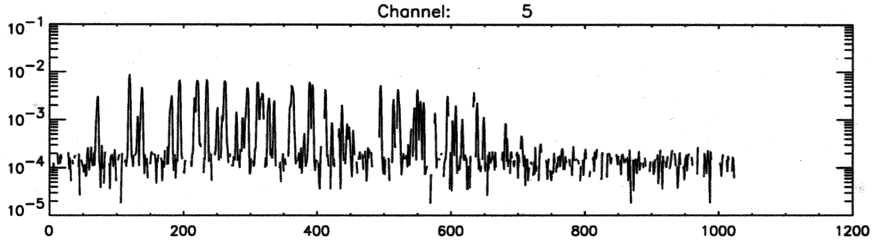

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_itf.pu.avg.cal.ps
Date: Thu Jul 30 21:29:33 1998
TNO-TPD

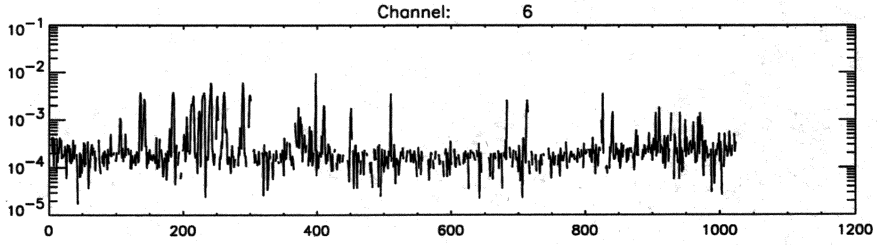

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

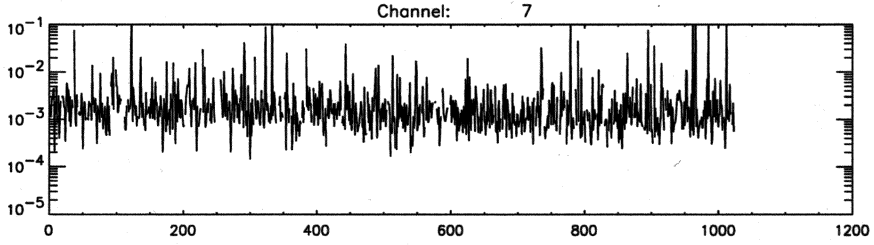

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

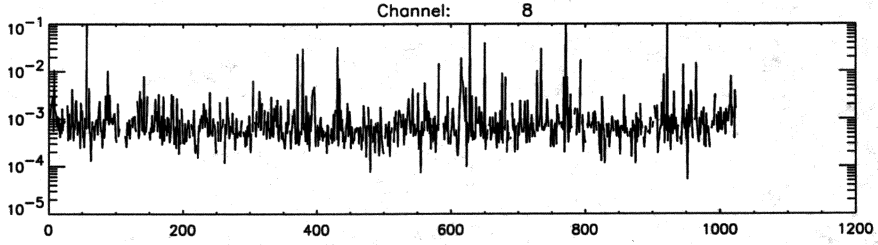

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

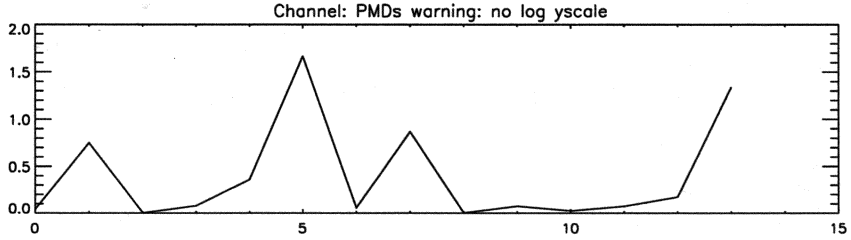

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

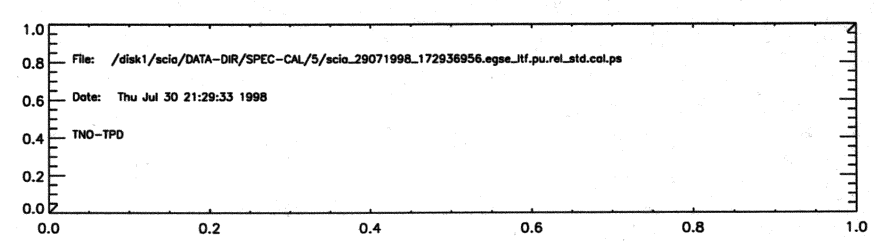

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

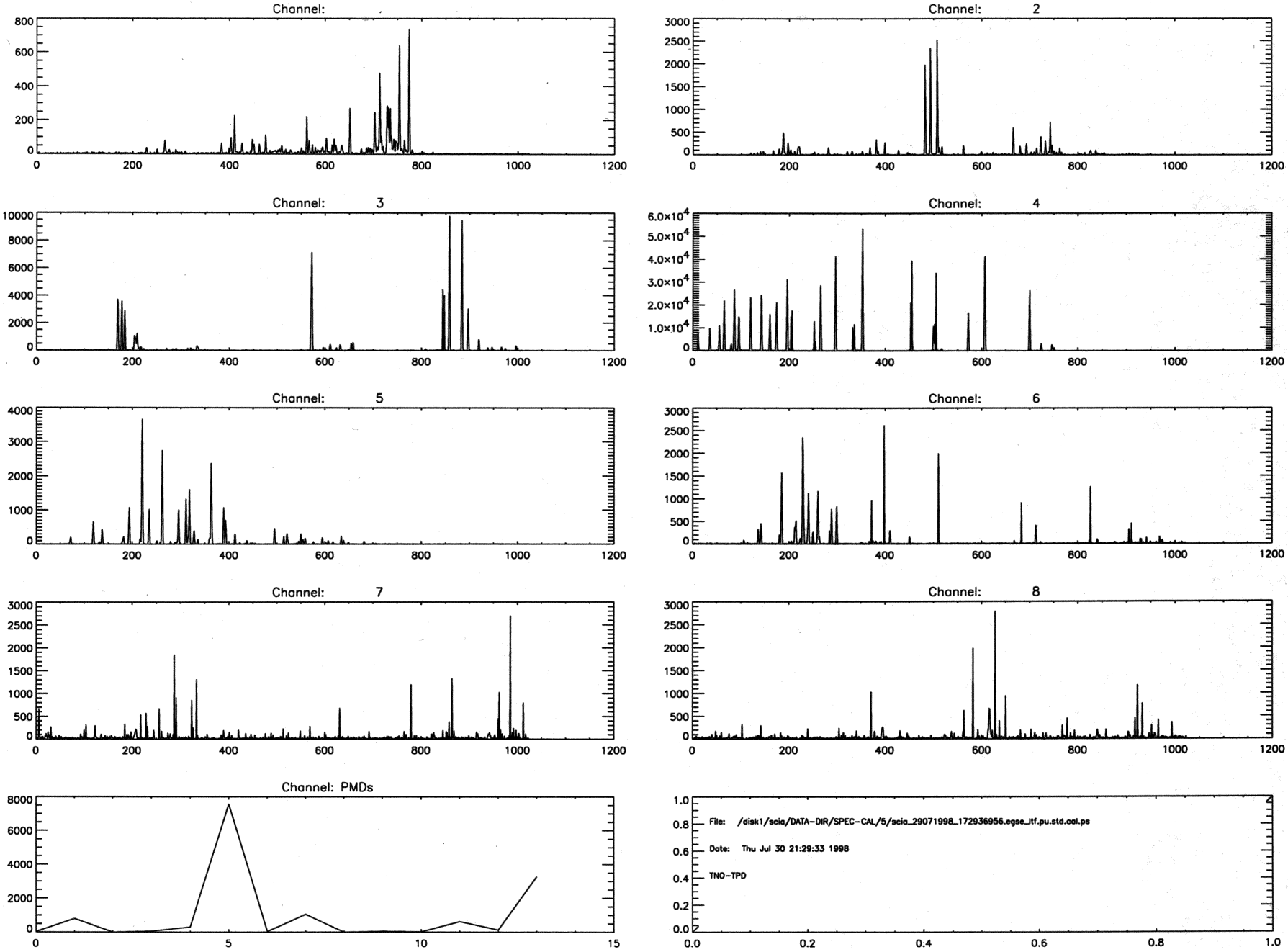

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


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: PMDs warning: no log yscale
2.0
1.5
1.0
0.5
0.0
0
5
10
15

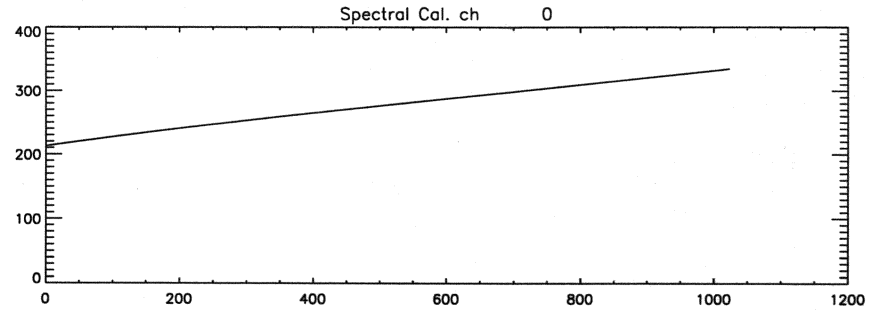

File: /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_ltf.pu.rel_std.cal.ps
Date: Thu Jul 30 21:29:33 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

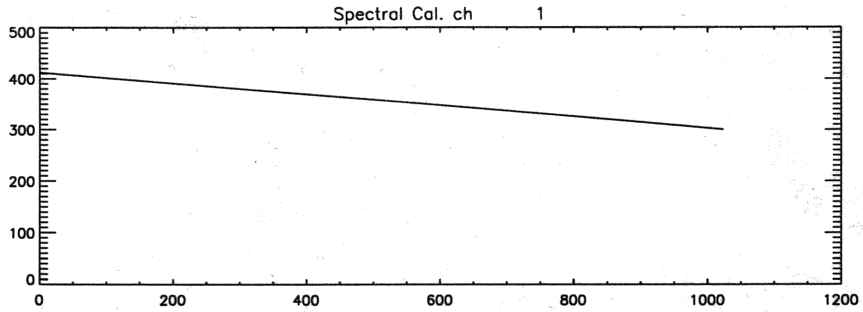

Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_itf.pu.std.cal.ps
Date: Thu Jul 30 21:29:33 1998
TNO-TPD

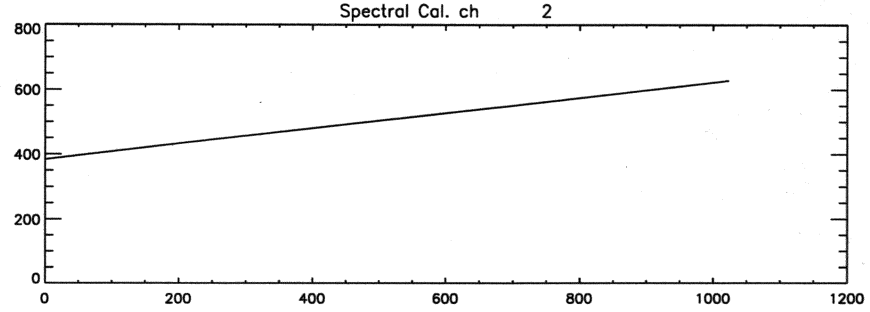
```
time       = Thu Jul 30 21:29:40 1998
batch      = du
Start TOD = Wed 29-Jul-98 17:30:02
End   TOD = Wed 29-Jul-98 17:31:02
Processing= computation of average, standard dev. and rel.standard dev.
```

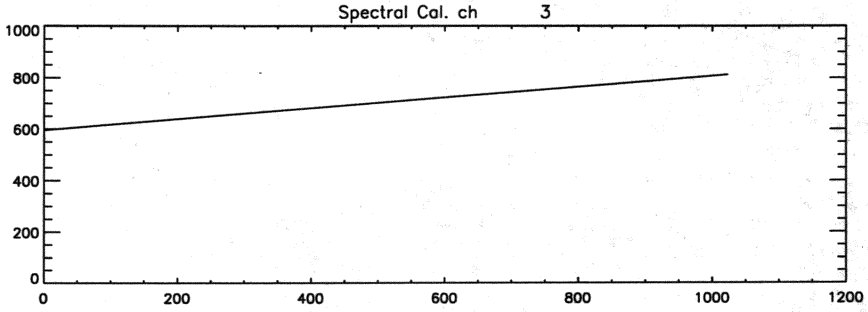
```
time       = Thu Jul 30 21:29:33 1998
batch      = pu
Start TOD = Wed 29-Jul-98 17:29:36
End   TOD = Wed 29-Jul-98 17:30:02
Processing= computation of average, standard dev. and rel.standard dev.
```

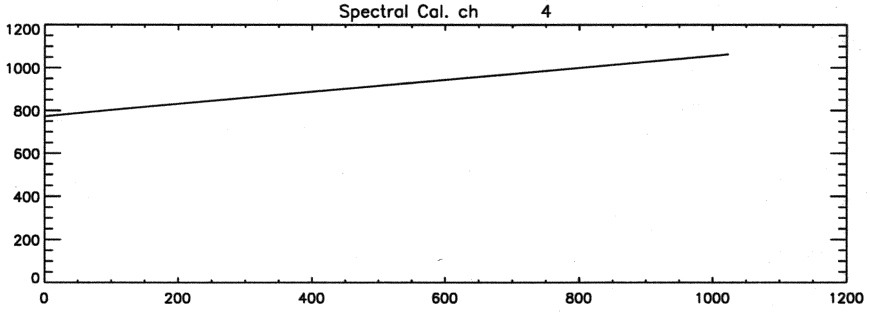
```
time       = Thu Jul 30 21:29:27 1998
batch      = start of atp: sls_int
Start TOD = Wed 29-Jul-98 17:29:36
End   TOD = Wed 29-Jul-98 17:29:36
Processing= computation of average, standard dev. and rel.standard dev.
```

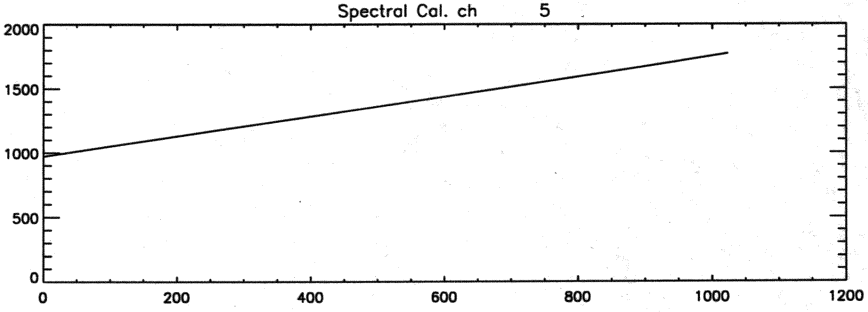

Spectral Cal. ch 0
0
100
200
300
400
0
200
400
600
800
1000
1200

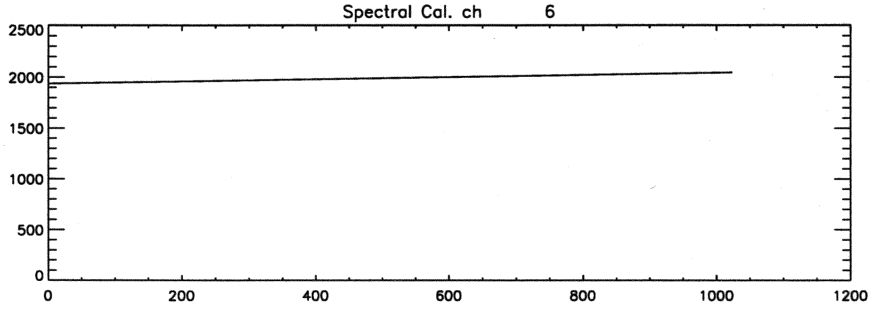

Spectral Cal. ch 1
0
100
200
300
400
500
0
200
400
600
800
1000
1200

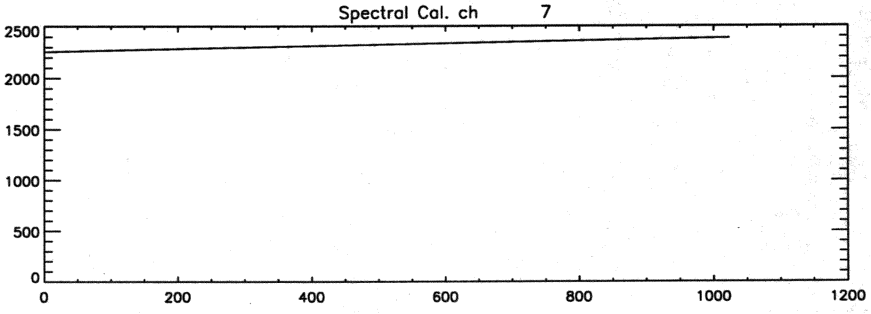

Spectral Cal. ch 2
0
200
400
600
800
0
200
400
600
800
1000
1200


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/5/scia_29071998_172936956.egse_ltf.du.avg.cal
 and

/disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_ltf.pu.avg.cal
Action:
Spectral calibration
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/300798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/300798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/300798/stray.da
Coefficients in file /disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.e
Processing time: Thu Jul 30 21:53:54 1998
Output file name:
/disk1/scia/DATA-DIR/SPEC-CAL/5/scia_29071998_172936956.egse_ltf.du.avg.cal.wl

```
time       = Thu Jul 30 21:29:40 1998
batch      = du
Start TOD = Wed 29-Jul-98 17:30:02
End   TOD = Wed 29-Jul-98 17:31:02
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 21:29:33 1998
batch      = pu
Start TOD = Wed 29-Jul-98 17:29:36
End   TOD = Wed 29-Jul-98 17:30:02
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 21:29:27 1998
batch      = start of atp: sls_int
Start TOD  = Wed 29-Jul-98 17:29:36
End   TOD  = Wed 29-Jul-98 17:29:36
Processing= computation of average, standard dev. and rel.standard dev.
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 30-07-08	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		(Y) / N
		
		(Y)? N
		
		Y / N
			also removed start of ATP files

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

Instructions printed in master map

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

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

[redacted]

Sign:

Name Marion

Date and time 300798 20:20

Signature M Stapp

```
#! /bin/sh
mv 210y1653.doc f0
mv 210y1659.xls f1
mv README f2
mv WS_FTP.LOG f3
mv dapbchklog f4
mv dapbseqlog f5
mv egse.inf f6
mv gemsmpara.dat f7
mv hk_ccb.dat f8
mv scia_29071998_165711790.dat f9
mv scia_29071998_165711790.egse_ltf f10
mv scia_29071998_165711790.egse_ltf.du.avg.cal f11
mv scia_29071998_165711790.egse_ltf.du.avg.cal.ps f12
mv scia_29071998_165711790.egse_ltf.du.log f13
mv scia_29071998_165711790.egse_ltf.du.rel_std.cal f14
mv scia_29071998_165711790.egse_ltf.du.rel_std.cal.ps f15
mv scia_29071998_165711790.egse_ltf.du.std.cal f16
mv scia_29071998_165711790.egse_ltf.du.std.cal.ps f17
mv scia_29071998_165711790.egse_ltf.pu.avg.cal f18
mv scia_29071998_165711790.egse_ltf.pu.avg.cal.ps f19
mv scia_29071998_165711790.egse_ltf.pu.log f20
n  scia_29071998_165711790.egse_ltf.pu.rel_std.cal f21
mv scia_29071998_165711790.egse_ltf.pu.rel_std.cal.ps f22
mv scia_29071998_165711790.egse_ltf.pu.std.cal f23
mv scia_29071998_165711790.egse_ltf.pu.std.cal.ps f24
mv scia_29071998_165711790.egse_ltf.startofatp:sls_int.log f25
```

```
#! /bin/sh
mv f0 210y1653.doc
mv f1 210y1659.xls
mv f2 README
mv f3 WS_FTP.LOG
mv f4 dapbchklog
mv f5 dapbseqlog
mv f6 egse.inf
mv f7 gemsmpara.dat
mv f8 hk_ccb.dat
mv f9 scia_29071998_165711790.dat
mv f10 scia_29071998_165711790.egse_ltf
mv f11 scia_29071998_165711790.egse_ltf.du.avg.cal
mv f12 scia_29071998_165711790.egse_ltf.du.avg.cal.ps
mv f13 scia_29071998_165711790.egse_ltf.du.log
mv f14 scia_29071998_165711790.egse_ltf.du.rel_std.cal
mv f15 scia_29071998_165711790.egse_ltf.du.rel_std.cal.ps
mv f16 scia_29071998_165711790.egse_ltf.du.std.cal
mv f17 scia_29071998_165711790.egse_ltf.du.std.cal.ps
mv f18 scia_29071998_165711790.egse_ltf.pu.avg.cal
mv f19 scia_29071998_165711790.egse_ltf.pu.avg.cal.ps
mv f20 scia_29071998_165711790.egse_ltf.pu.log
mv f21 scia_29071998_165711790.egse_ltf.pu.rel_std.cal
mv f22 scia_29071998_165711790.egse_ltf.pu.rel_std.cal.ps
mv f23 scia_29071998_165711790.egse_ltf.pu.std.cal
mv f24 scia_29071998_165711790.egse_ltf.pu.std.cal.ps
mv f25 scia_29071998_165711790.egse_ltf.startofatp:sls_int.log
```

```
#! /bin/sh
mv f0 210y1711.doc
mv f1 210y1717.xls
mv f2 README
mv f3 WS_FTP.LOG
mv f4 dapbchklog
mv f5 dapbseqlog
mv f6 egse.inf
mv f7 gemsmpara.dat
mv f8 hk_ccb.dat
mv f9 scia_29071998_171420232.dat
mv f10 scia_29071998_171420232.egse_ltf
mv f11 scia_29071998_171420232.egse_ltf.du.avg.cal
mv f12 scia_29071998_171420232.egse_ltf.du.avg.cal.ps
mv f13 scia_29071998_171420232.egse_ltf.du.log
mv f14 scia_29071998_171420232.egse_ltf.du.rel_std.cal
mv f15 scia_29071998_171420232.egse_ltf.du.rel_std.cal.ps
mv f16 scia_29071998_171420232.egse_ltf.du.std.cal
mv f17 scia_29071998_171420232.egse_ltf.du.std.cal.ps
mv f18 scia_29071998_171420232.egse_ltf.pu.avg.cal
mv f19 scia_29071998_171420232.egse_ltf.pu.avg.cal.ps
mv f20 scia_29071998_171420232.egse_ltf.pu.log
r  f21 scia_29071998_171420232.egse_ltf.pu.rel_std.cal
mv f22 scia_29071998_171420232.egse_ltf.pu.rel_std.cal.ps
mv f23 scia_29071998_171420232.egse_ltf.pu.std.cal
mv f24 scia_29071998_171420232.egse_ltf.pu.std.cal.ps
mv f25 scia_29071998_171420232.egse_ltf.startofatp:sls_int.log
```

```
#! /bin/sh
mv 210y1711.doc f0
mv 210y1717.xls f1
mv README f2
mv WS_FTP.LOG f3
mv dapbchklog f4
mv dapbseqlog f5
mv egse.inf f6
mv gemsmpara.dat f7
mv hk_ccb.dat f8
mv scia_29071998_171420232.dat f9
mv scia_29071998_171420232.egse_ltf f10
mv scia_29071998_171420232.egse_ltf.du.avg.cal f11
mv scia_29071998_171420232.egse_ltf.du.avg.cal.ps f12
mv scia_29071998_171420232.egse_ltf.du.log f13
mv scia_29071998_171420232.egse_ltf.du.rel_std.cal f14
mv scia_29071998_171420232.egse_ltf.du.rel_std.cal.ps f15
mv scia_29071998_171420232.egse_ltf.du.std.cal f16
mv scia_29071998_171420232.egse_ltf.du.std.cal.ps f17
mv scia_29071998_171420232.egse_ltf.pu.avg.cal f18
mv scia_29071998_171420232.egse_ltf.pu.avg.cal.ps f19
mv scia_29071998_171420232.egse_ltf.pu.log f20
mv scia_29071998_171420232.egse_ltf.pu.rel_std.cal f21
mv scia_29071998_171420232.egse_ltf.pu.rel_std.cal.ps f22
mv scia_29071998_171420232.egse_ltf.pu.std.cal f23
mv scia_29071998_171420232.egse_ltf.pu.std.cal.ps f24
mv scia_29071998_171420232.egse_ltf.startofatp:sls_int.log f25
```

```
#! /bin/sh
mv f0 210y1726.doc
mv f1 210y1732.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_29071998_172936956.dat
mv f9 scia_29071998_172936956.egse_ltf
mv f10 scia_29071998_172936956.egse_ltf.du.avg.cal
mv f11 scia_29071998_172936956.egse_ltf.du.avg.cal.ps
mv f12 scia_29071998_172936956.egse_ltf.du.log
mv f13 scia_29071998_172936956.egse_ltf.du.rel_std.cal
mv f14 scia_29071998_172936956.egse_ltf.du.rel_std.cal.ps
mv f15 scia_29071998_172936956.egse_ltf.du.std.cal
mv f16 scia_29071998_172936956.egse_ltf.du.std.cal.ps
mv f17 scia_29071998_172936956.egse_ltf.pu.avg.cal
mv f18 scia_29071998_172936956.egse_ltf.pu.avg.cal.ps
mv f19 scia_29071998_172936956.egse_ltf.pu.log
mv f20 scia_29071998_172936956.egse_ltf.pu.rel_std.cal
mv f21 scia_29071998_172936956.egse_ltf.pu.rel_std.cal.ps
mv f22 scia_29071998_172936956.egse_ltf.pu.std.cal
mv f23 scia_29071998_172936956.egse_ltf.pu.std.cal.ps
mv f24 scia_29071998_172936956.egse_ltf.startofatp:sls_int.log
```

```
#! /bin/sh
mv 210y1726.doc f0
mv 210y1732.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_29071998_172936956.dat f8
mv scia_29071998_172936956.egse_ltf f9
mv scia_29071998_172936956.egse_ltf.du.avg.cal f10
mv scia_29071998_172936956.egse_ltf.du.avg.cal.ps f11
mv scia_29071998_172936956.egse_ltf.du.log f12
mv scia_29071998_172936956.egse_ltf.du.rel_std.cal f13
mv scia_29071998_172936956.egse_ltf.du.rel_std.cal.ps f14
mv scia_29071998_172936956.egse_ltf.du.std.cal f15
mv scia_29071998_172936956.egse_ltf.du.std.cal.ps f16
mv scia_29071998_172936956.egse_ltf.pu.avg.cal f17
mv scia_29071998_172936956.egse_ltf.pu.avg.cal.ps f18
mv scia_29071998_172936956.egse_ltf.pu.log f19
mv scia_29071998_172936956.egse_ltf.pu.rel_std.cal f20
mv scia_29071998_172936956.egse_ltf.pu.rel_std.cal.ps f21
mv scia_29071998_172936956.egse_ltf.pu.std.cal f22
mv scia_29071998_172936956.egse_ltf.pu.std.cal.ps f23
mv scia_29071998_172936956.egse_ltf.startofatp:sls_int.log f24
```

```
#! /bin/sh
mv f0 210y1739.doc
mv f1 210y1745.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_29071998_174228494.dat
mv f9 scia_29071998_174228494.egse_ltf
mv f10 scia_29071998_174228494.egse_ltf.du.avg.cal
mv f11 scia_29071998_174228494.egse_ltf.du.avg.cal.ps
mv f12 scia_29071998_174228494.egse_ltf.du.log
mv f13 scia_29071998_174228494.egse_ltf.du.rel_std.cal
mv f14 scia_29071998_174228494.egse_ltf.du.rel_std.cal.ps
mv f15 scia_29071998_174228494.egse_ltf.du.std.cal
mv f16 scia_29071998_174228494.egse_ltf.du.std.cal.ps
mv f17 scia_29071998_174228494.egse_ltf.pu.avg.cal
mv f18 scia_29071998_174228494.egse_ltf.pu.avg.cal.ps
mv f19 scia_29071998_174228494.egse_ltf.pu.log
mv f20 scia_29071998_174228494.egse_ltf.pu.rel_std.cal
mv f21 scia_29071998_174228494.egse_ltf.pu.rel_std.cal.ps
mv f22 scia_29071998_174228494.egse_ltf.pu.std.cal
mv f23 scia_29071998_174228494.egse_ltf.pu.std.cal.ps
mv f24 scia_29071998_174228494.egse_ltf.startofatp:sls_int.log
```

```
#! /bin/sh
mv 210y1739.doc f0
mv 210y1745.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_29071998_174228494.dat f8
mv scia_29071998_174228494.egse_ltf f9
mv scia_29071998_174228494.egse_ltf.du.avg.cal f10
mv scia_29071998_174228494.egse_ltf.du.avg.cal.ps f11
mv scia_29071998_174228494.egse_ltf.du.log f12
mv scia_29071998_174228494.egse_ltf.du.rel_std.cal f13
mv scia_29071998_174228494.egse_ltf.du.rel_std.cal.ps f14
mv scia_29071998_174228494.egse_ltf.du.std.cal f15
mv scia_29071998_174228494.egse_ltf.du.std.cal.ps f16
mv scia_29071998_174228494.egse_ltf.pu.avg.cal f17
mv scia_29071998_174228494.egse_ltf.pu.avg.cal.ps f18
mv scia_29071998_174228494.egse_ltf.pu.log f19
mv scia_29071998_174228494.egse_ltf.pu.rel_std.cal f20
mv scia_29071998_174228494.egse_ltf.pu.rel_std.cal.ps f21
mv scia_29071998_174228494.egse_ltf.pu.std.cal f22
mv scia_29071998_174228494.egse_ltf.pu.std.cal.ps f23
mv scia_29071998_174228494.egse_ltf.startofatp:sls_int.log f24
```

```
#! /bin/sh
mv f0 210y1749.doc
mv f1 210y1755.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_29071998_175258923.dat
mv f9 scia_29071998_175258923.egse_ltf
mv f10 scia_29071998_175258923.egse_ltf.du.avg.cal
mv f11 scia_29071998_175258923.egse_ltf.du.avg.cal.ps
mv f12 scia_29071998_175258923.egse_ltf.du.log
mv f13 scia_29071998_175258923.egse_ltf.du.rel_std.cal
mv f14 scia_29071998_175258923.egse_ltf.du.rel_std.cal.ps
mv f15 scia_29071998_175258923.egse_ltf.du.std.cal
mv f16 scia_29071998_175258923.egse_ltf.du.std.cal.ps
mv f17 scia_29071998_175258923.egse_ltf.pu.avg.cal
mv f18 scia_29071998_175258923.egse_ltf.pu.avg.cal.ps
mv f19 scia_29071998_175258923.egse_ltf.pu.log
mv f20 scia_29071998_175258923.egse_ltf.pu.rel_std.cal
mv f21 scia_29071998_175258923.egse_ltf.pu.rel_std.cal.ps
mv f22 scia_29071998_175258923.egse_ltf.pu.std.cal
mv f23 scia_29071998_175258923.egse_ltf.pu.std.cal.ps
mv f24 scia_29071998_175258923.egse_ltf.startofatp:sls_int.log
```

```
#! /bin/sh
mv 210y1749.doc f0
mv 210y1755.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_29071998_175258923.dat f8
mv scia_29071998_175258923.egse_ltf f9
mv scia_29071998_175258923.egse_ltf.du.avg.cal f10
mv scia_29071998_175258923.egse_ltf.du.avg.cal.ps f11
mv scia_29071998_175258923.egse_ltf.du.log f12
mv scia_29071998_175258923.egse_ltf.du.rel_std.cal f13
mv scia_29071998_175258923.egse_ltf.du.rel_std.cal.ps f14
mv scia_29071998_175258923.egse_ltf.du.std.cal f15
mv scia_29071998_175258923.egse_ltf.du.std.cal.ps f16
mv scia_29071998_175258923.egse_ltf.pu.avg.cal f17
mv scia_29071998_175258923.egse_ltf.pu.avg.cal.ps f18
mv scia_29071998_175258923.egse_ltf.pu.log f19
mv scia_29071998_175258923.egse_ltf.pu.rel_std.cal f20
mv scia_29071998_175258923.egse_ltf.pu.rel_std.cal.ps f21
mv scia_29071998_175258923.egse_ltf.pu.std.cal f22
mv scia_29071998_175258923.egse_ltf.pu.std.cal.ps f23
mv scia_29071998_175258923.egse_ltf.startofatp:sls_int.log f24
```

```
#! /bin/sh
mv f0 210y1726.doc
mv f1 210y1732.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_29071998_172936956.dat
mv f9 scia_29071998_172936956.egse_ltf
mv f10 scia_29071998_172936956.egse_ltf.du.avg.cal
mv f11 scia_29071998_172936956.egse_ltf.du.avg.cal.ps
mv f12 scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data
mv f13 scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data.log
mv f14 scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data.ps
mv f15 scia_29071998_172936956.egse_ltf.du.log
mv f16 scia_29071998_172936956.egse_ltf.du.rel_std.cal
mv f17 scia_29071998_172936956.egse_ltf.du.rel_std.cal.ps
mv f18 scia_29071998_172936956.egse_ltf.du.std.cal
mv f19 scia_29071998_172936956.egse_ltf.du.std.cal.ps
mv f20 scia_29071998_172936956.egse_ltf.pu.avg.cal
   f21 scia_29071998_172936956.egse_ltf.pu.avg.cal.ps
mv f22 scia_29071998_172936956.egse_ltf.pu.log
mv f23 scia_29071998_172936956.egse_ltf.pu.rel_std.cal
mv f24 scia_29071998_172936956.egse_ltf.pu.rel_std.cal.ps
mv f25 scia_29071998_172936956.egse_ltf.pu.std.cal
mv f26 scia_29071998_172936956.egse_ltf.pu.std.cal.ps
mv f27 scia_29071998_172936956.egse_ltf.startofatp:sls_int.log
```

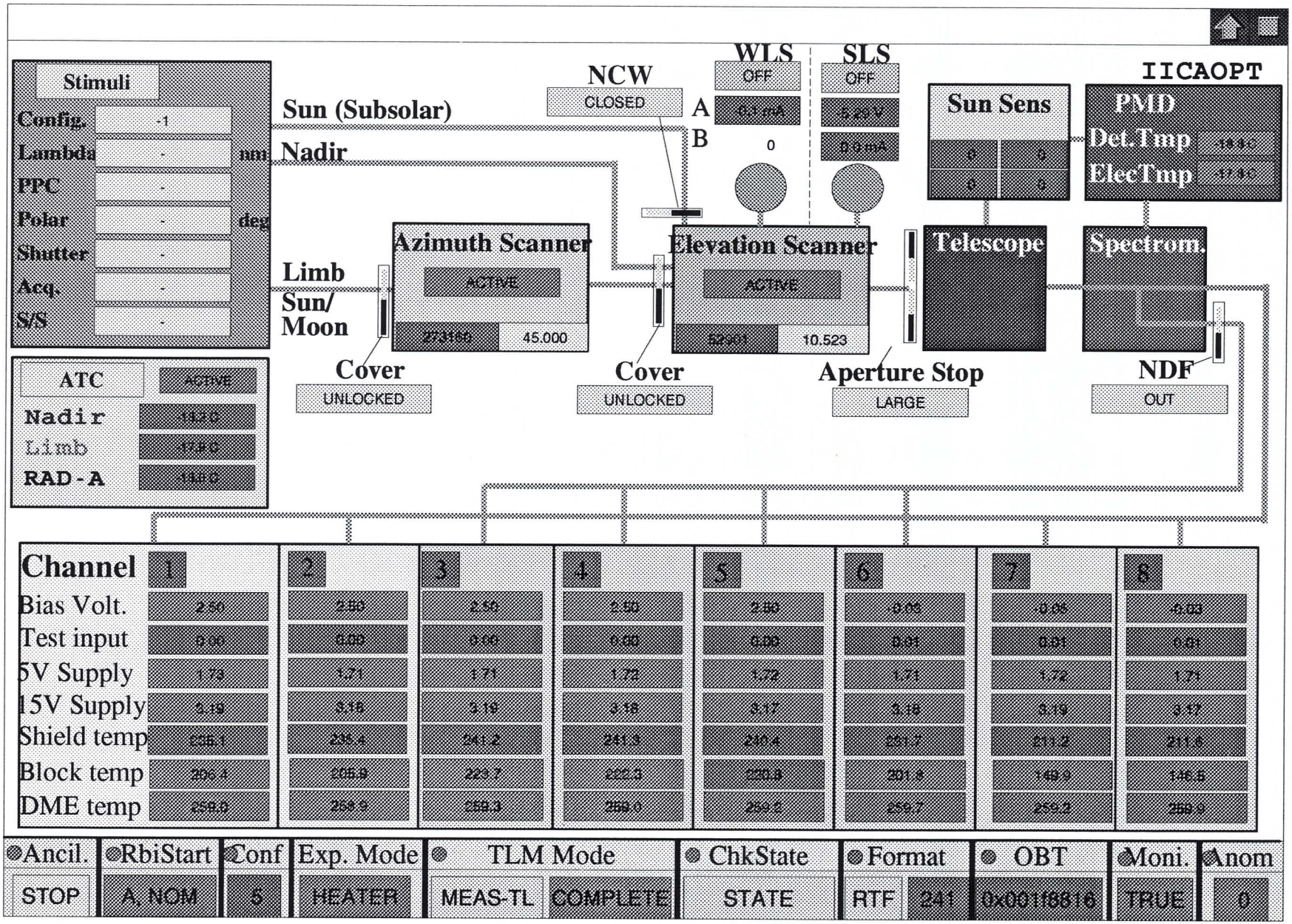
```
#! /bin/sh
mv 210y1726.doc f0
mv 210y1732.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_29071998_172936956.dat f8
mv scia_29071998_172936956.egse_ltf f9
mv scia_29071998_172936956.egse_ltf.du.avg.cal f10
mv scia_29071998_172936956.egse_ltf.du.avg.cal.ps f11
mv scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data f12
mv scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data.log f13
mv scia_29071998_172936956.egse_ltf.du.avg.cal.wl.data.ps f14
mv scia_29071998_172936956.egse_ltf.du.log f15
mv scia_29071998_172936956.egse_ltf.du.rel_std.cal f16
mv scia_29071998_172936956.egse_ltf.du.rel_std.cal.ps f17
mv scia_29071998_172936956.egse_ltf.du.std.cal f18
mv scia_29071998_172936956.egse_ltf.du.std.cal.ps f19
mv scia_29071998_172936956.egse_ltf.pu.avg.cal f20
   scia_29071998_172936956.egse_ltf.pu.avg.cal.ps f21
mv scia_29071998_172936956.egse_ltf.pu.log f22
mv scia_29071998_172936956.egse_ltf.pu.rel_std.cal f23
mv scia_29071998_172936956.egse_ltf.pu.rel_std.cal.ps f24
mv scia_29071998_172936956.egse_ltf.pu.std.cal f25
mv scia_29071998_172936956.egse_ltf.pu.std.cal.ps f26
mv scia_29071998_172936956.egse_ltf.startofatp:sls_int.log f27
```

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	30-7	SI	
	1.37	START UIO 25 (WLS - INT).	
		DAE TEMP ① 259.0 ② 258,9 ③ 259.3 ④ 259.0	
		⑤ 259.2 ⑥ 259.7 ⑦ 259.2 ⑧ 259.9	

30-07-98 G1025
start 1.37 WLS_INT



G1025 2

IICAOPT: PostScript Picture (77922 bytes) at Wed Jul 29 23:39:06 GMT 1998

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		(no entries = run based on actual default settings)

Scanner Positions

Azimuth	+4.5	deg
Elevation	+10,52	deg

Timeline for each Data Acquisition Period during Measurement

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

Stimuli Settings for Existing Blocks in Measurement

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

Measurement Data Description

Test Purpose	LED 25
Remark	
Data Directory	0210_23.33.45_WLS_INT

Signatures

	Date	Signature
Issued	29-7	M. [illegible]
< Performed	29-7	[illegible]

STEP	ACTION	RESULT	MARKER
Intro	Your name:	BART BAKKEREN	
	Date:	30/7/98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_29071998_233710279.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?	0	(B)
	New directory: `mkdir <B+1>` `ls -l`		
	What's now the highest number in directory?	1	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	`~/DATA-DIR/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`		In DATA-DIR window
	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.	300798	
	When running the PPG analysis, you will be asked to select this direcotory when storing the resulting PPG correction file.		

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` number of errors: 2 (can't open file ./hk_optec.dat What's the name of the egse_ltf file SciA_29071998_23710279.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: 145998	should be approx 150Kb
	White light file: `ls -l *.wu*.avg.cal` 2 size: 145998	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	

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` 145998

Size of file `*.du*.cal.ppg.cal.log` 145998

Size of file `*.du*.cal.ppg.cal.ps` 140639

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).

Pak Etalon moet gepuceerd worde dus daarna worden CD's gebrand, zie Etalon.

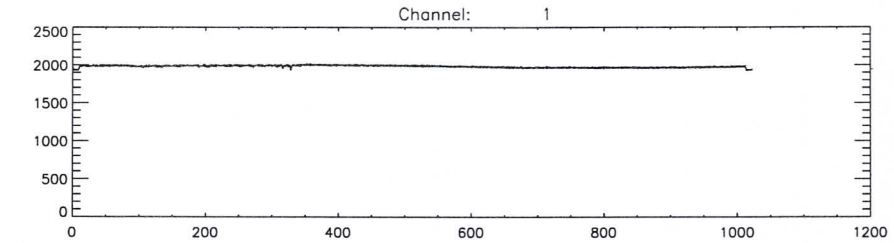
See analysis sheet BackUp

Name of backup CDs _____

Sign: Name BART

Date and time 30/7/98

Signature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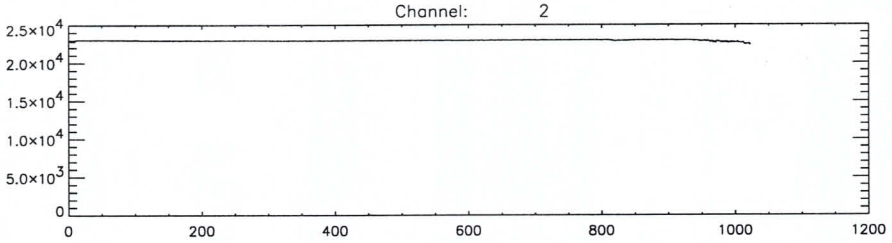
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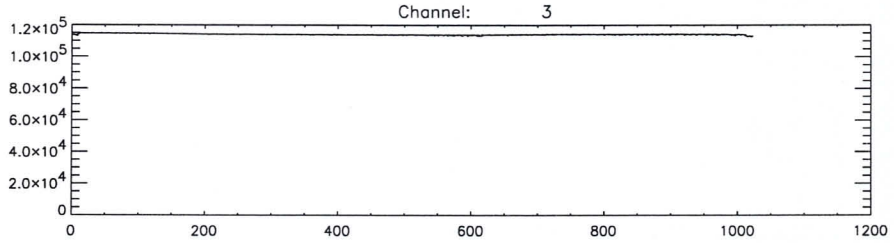
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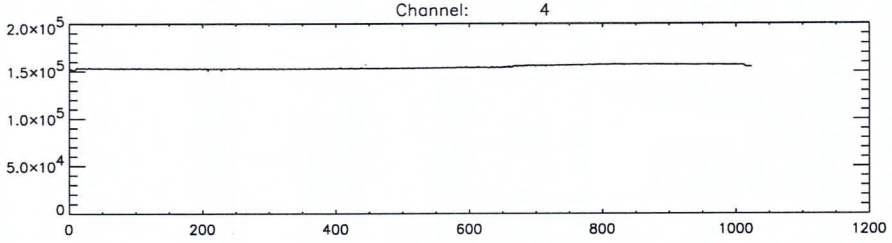
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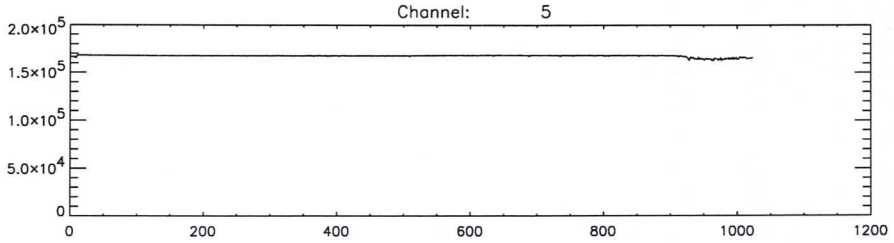
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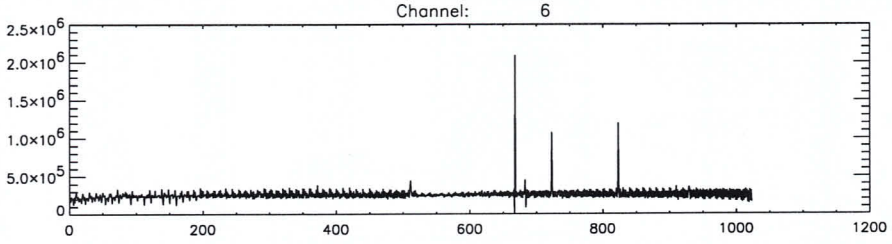
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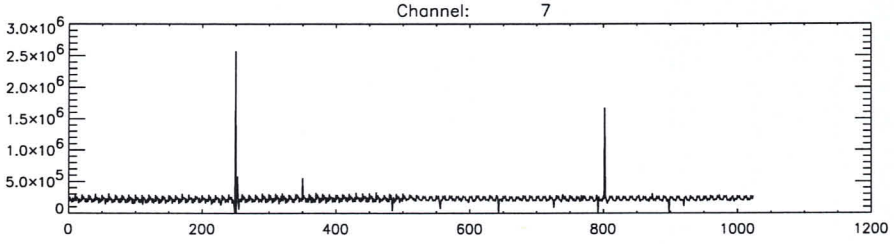
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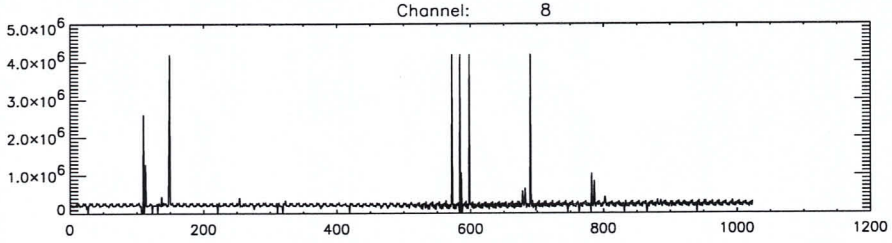
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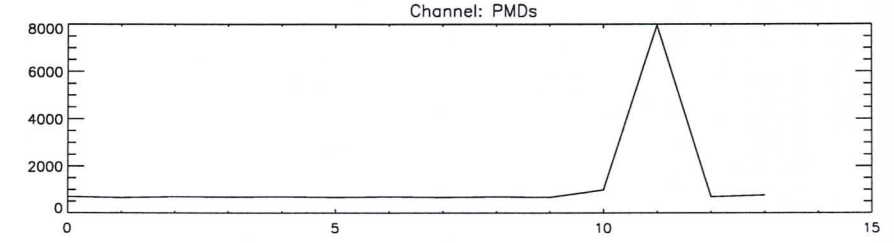
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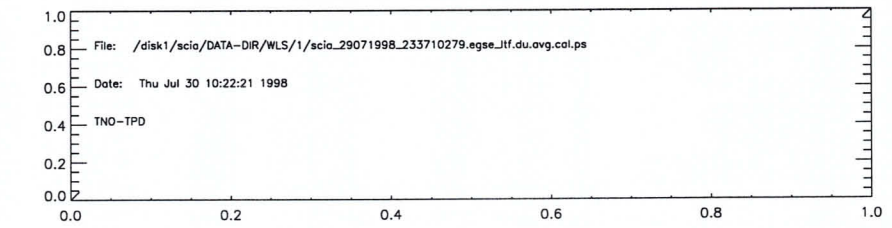
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Date: Thu Jul 30 10:22:21 1998
TNO-TPD
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0.4
0.6
0.8
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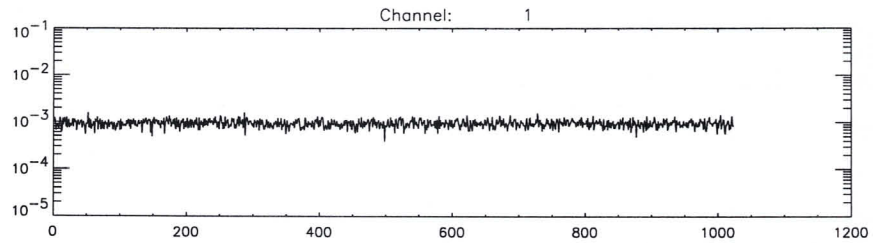
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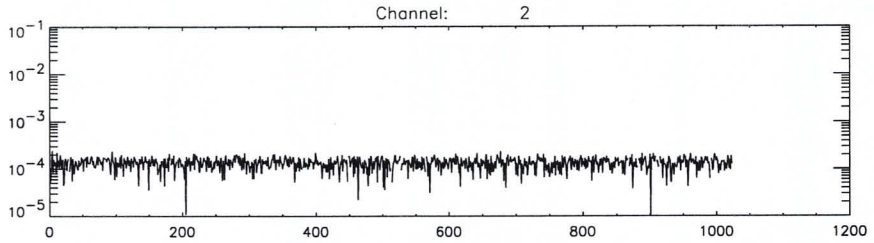
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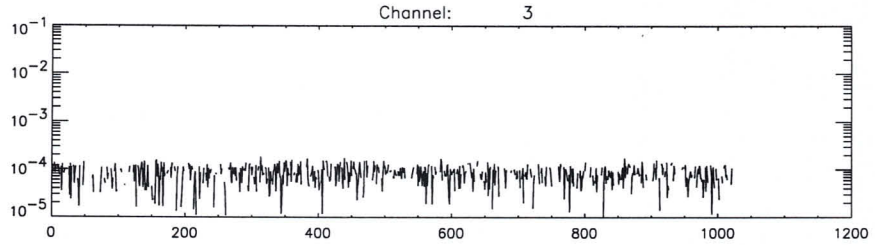
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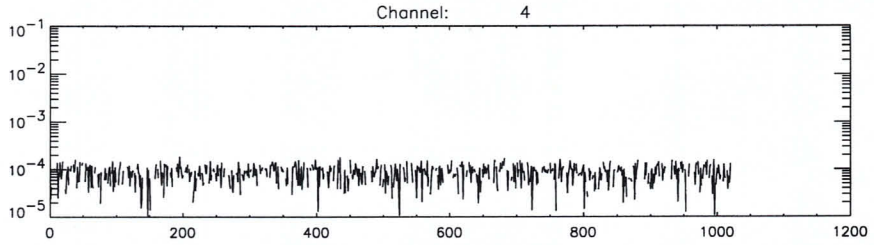
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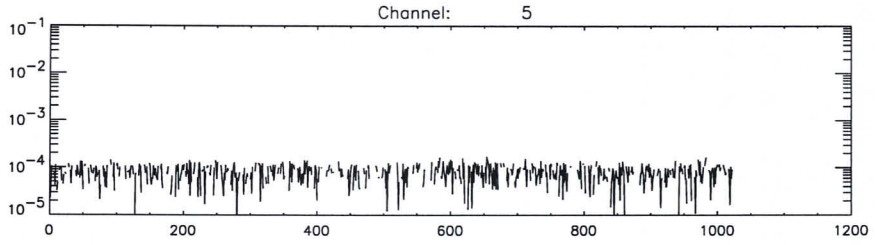
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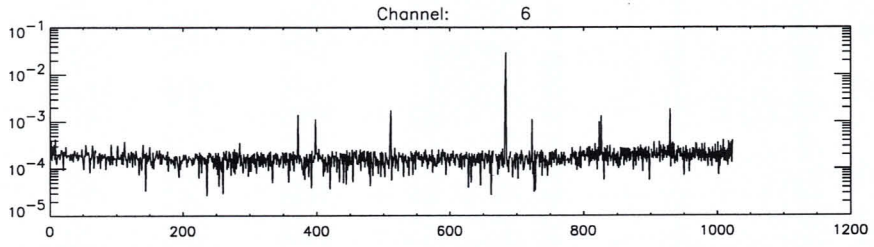
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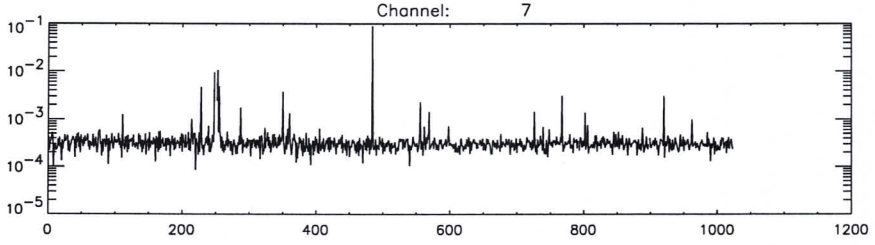
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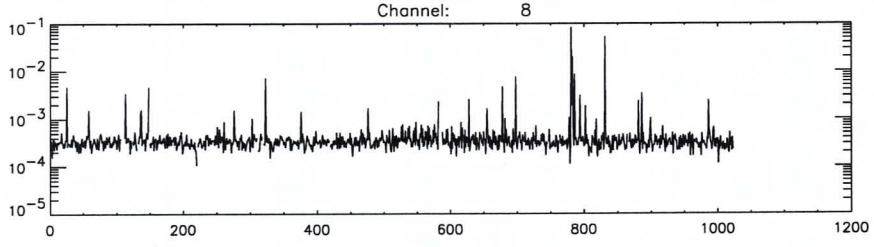
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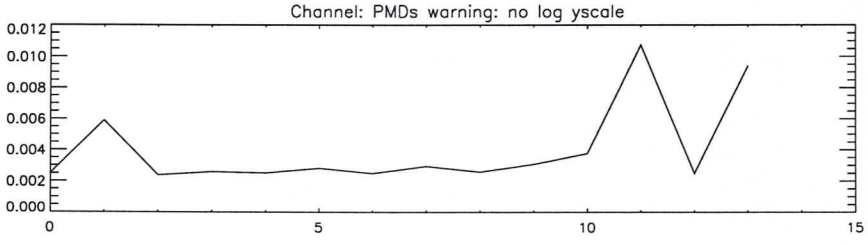
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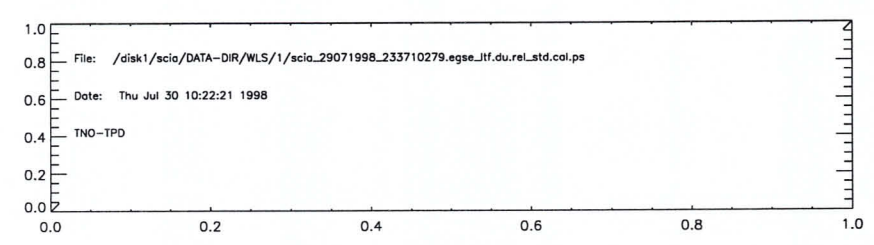
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Date: Thu Jul 30 10:22:21 1998
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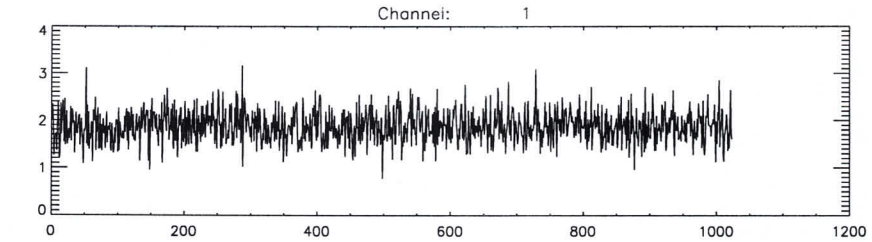
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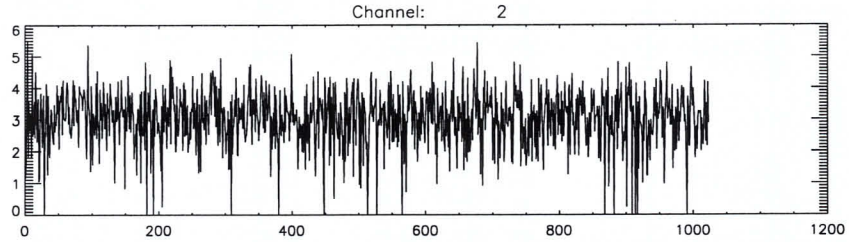
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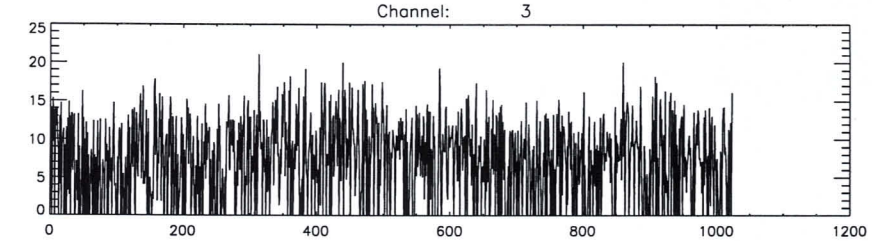
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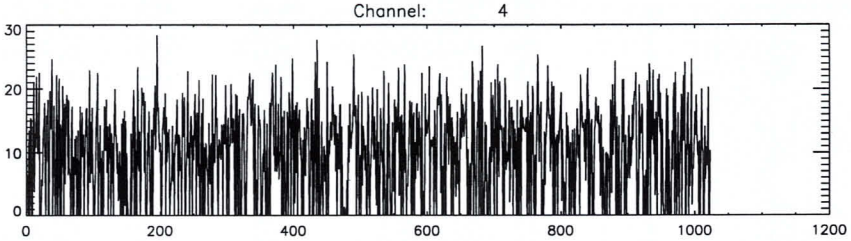
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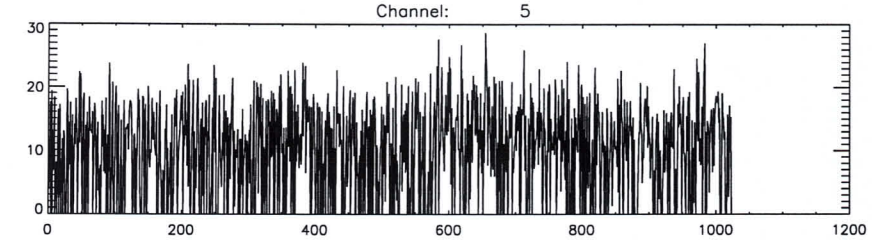
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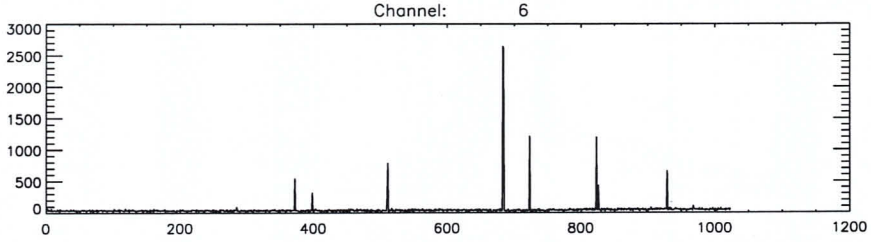
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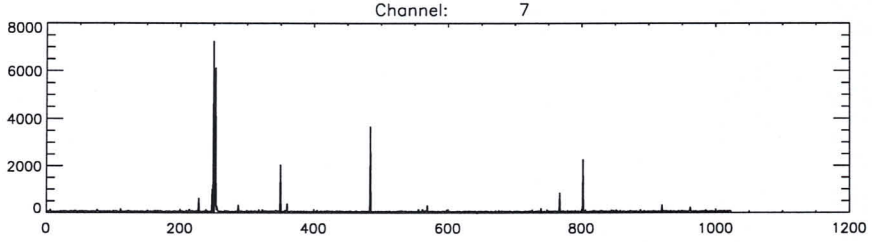
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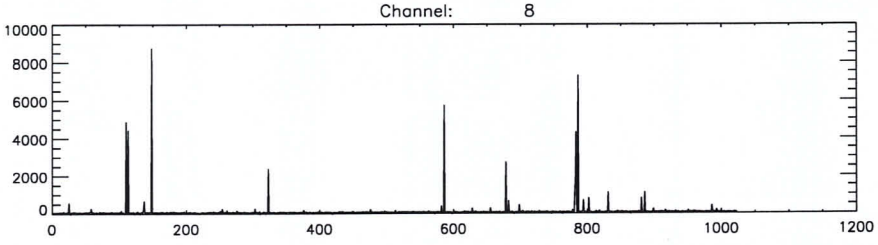
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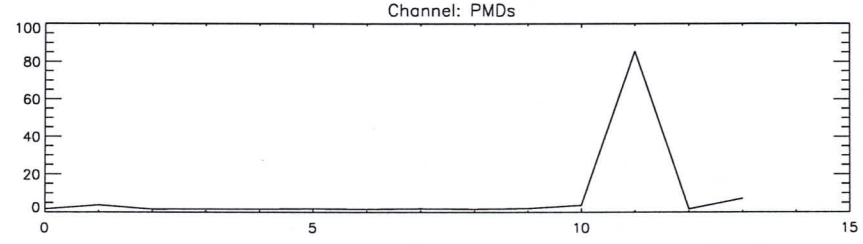
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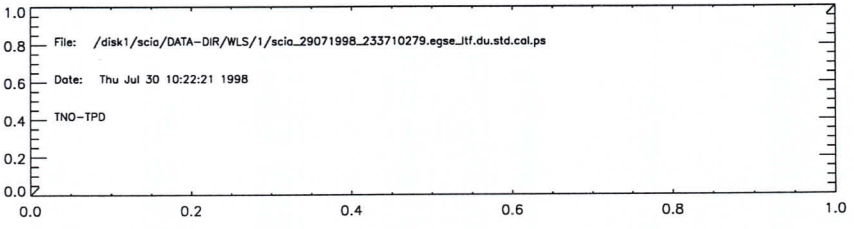
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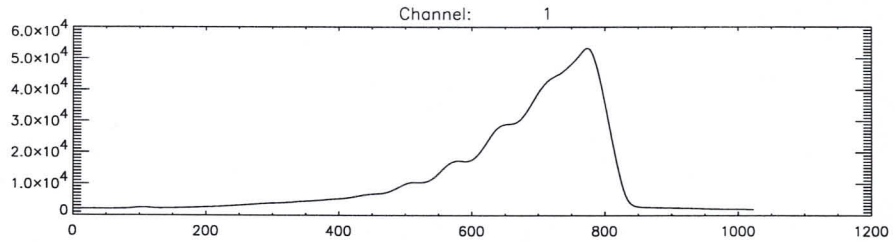
Date: Thu Jul 30 10:22:21 1998
TNO-TPD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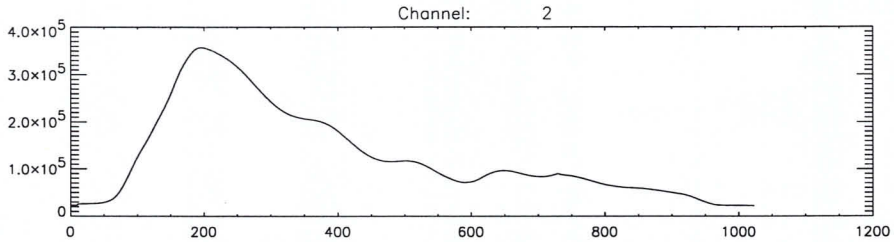
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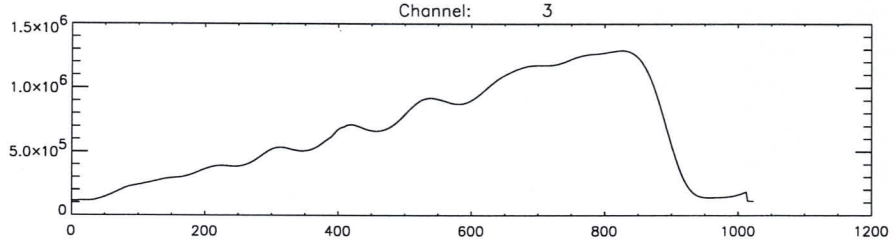
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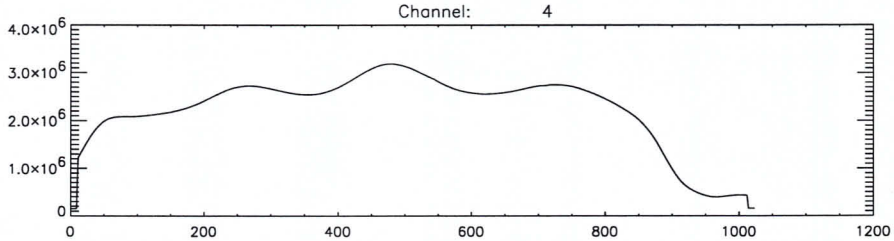
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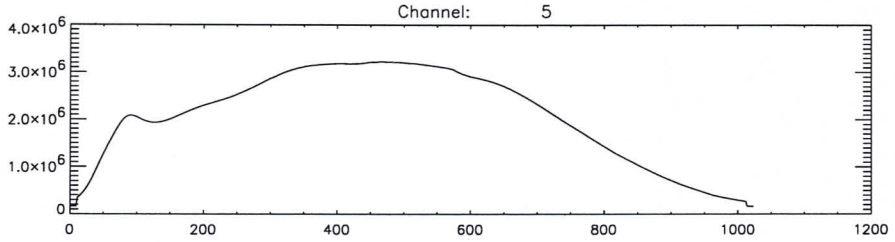
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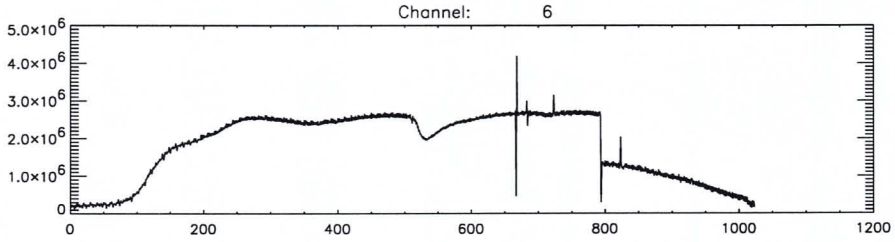
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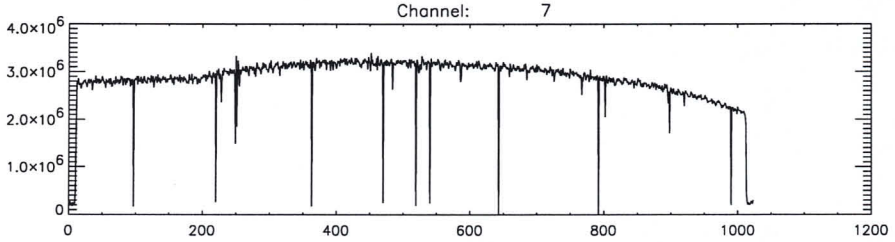
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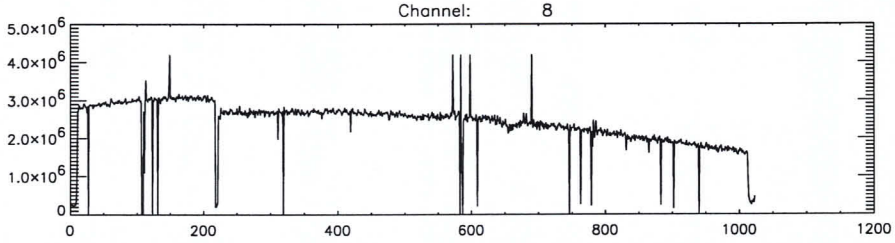
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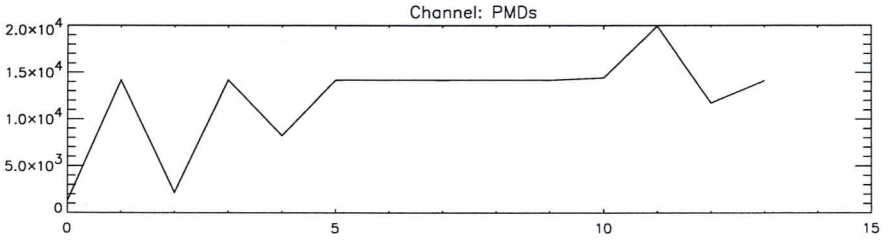
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10
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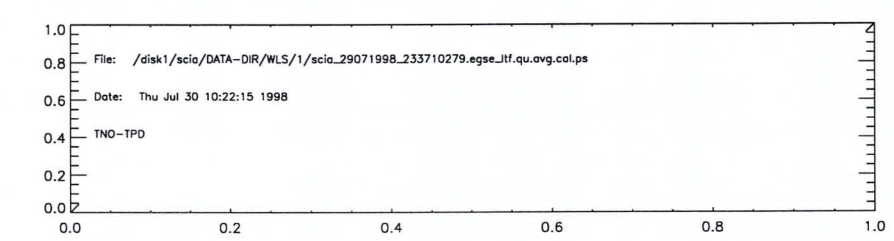
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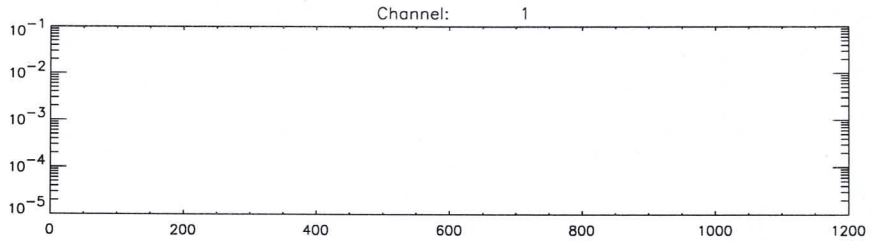
Date: Thu Jul 30 10:22:15 1998
TNO-TPD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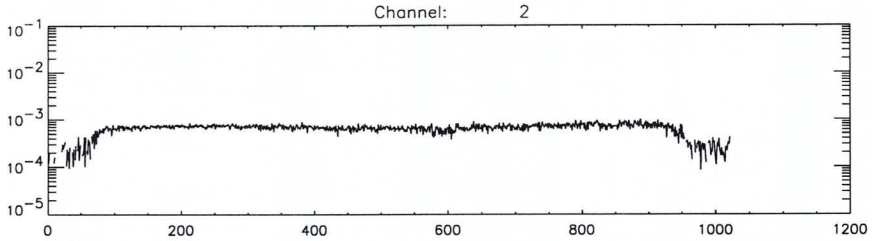
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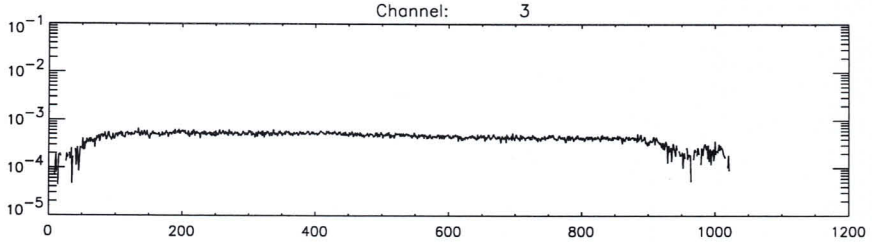
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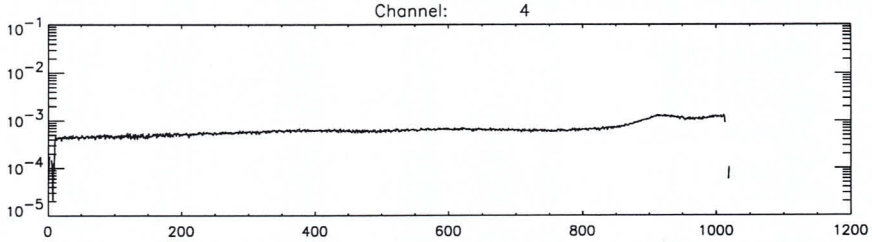
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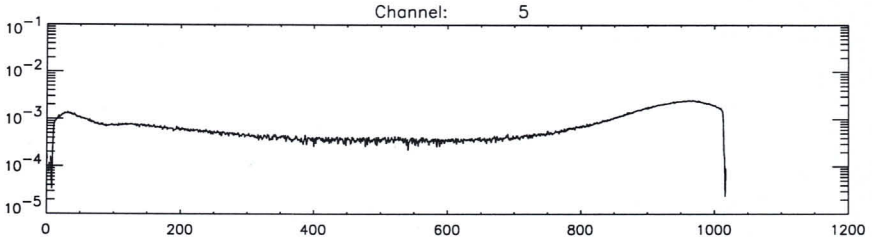
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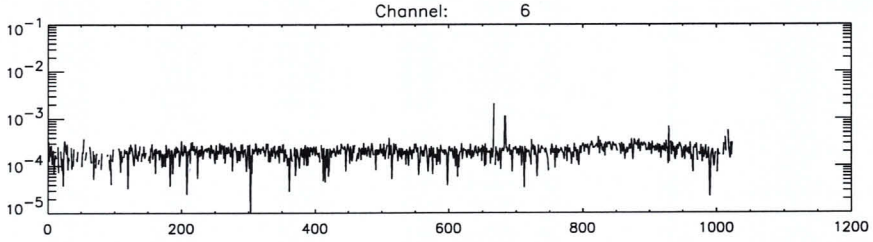
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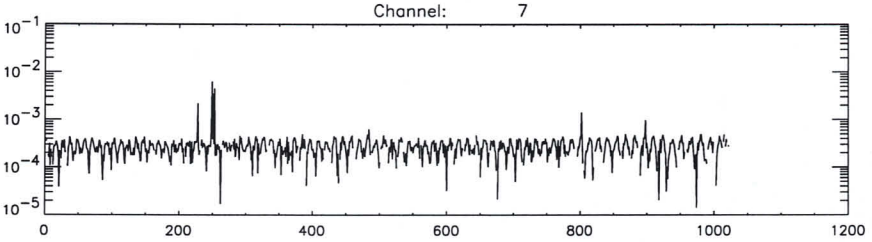
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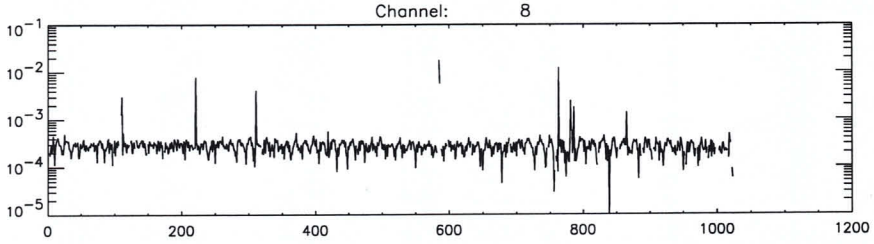
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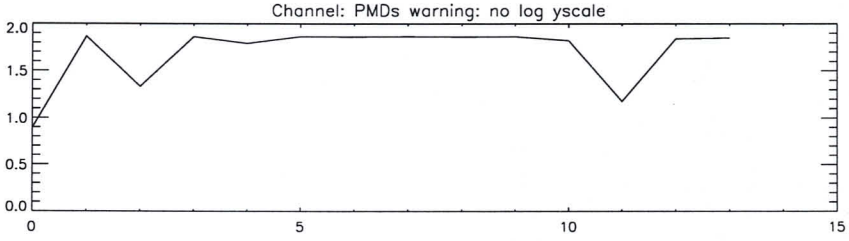
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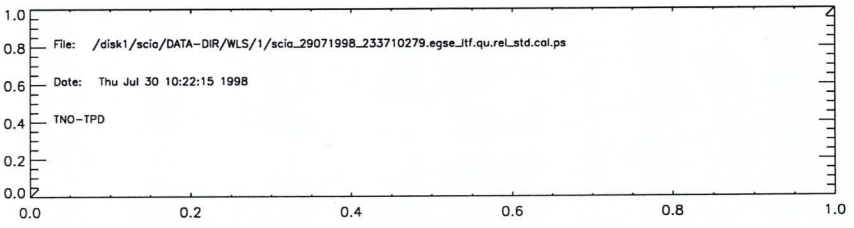
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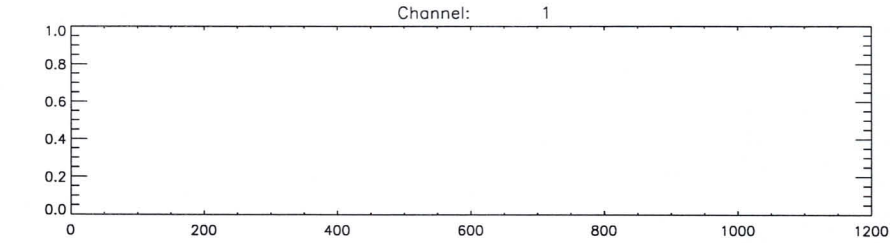
Date: Thu Jul 30 10:22:15 1998
TNO-TPD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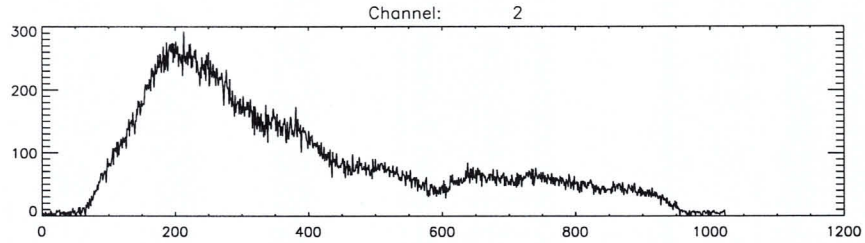
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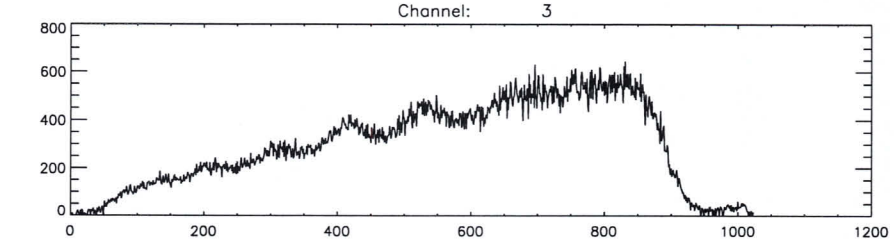
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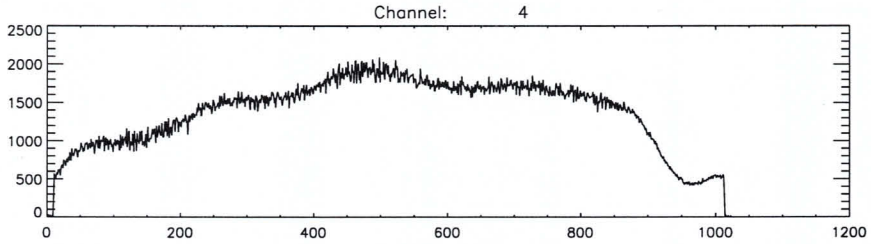
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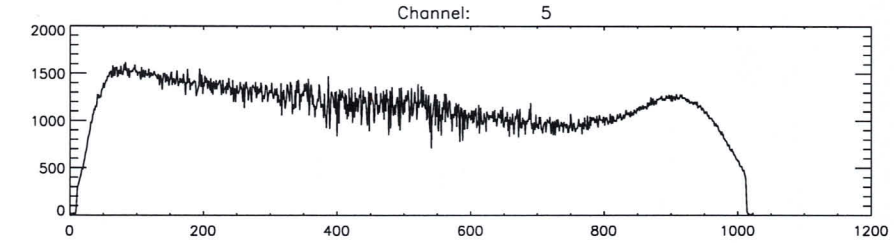
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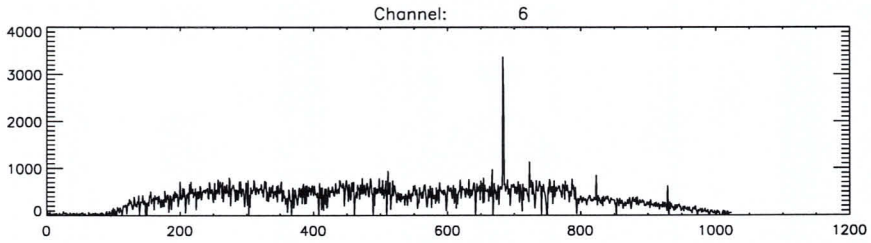
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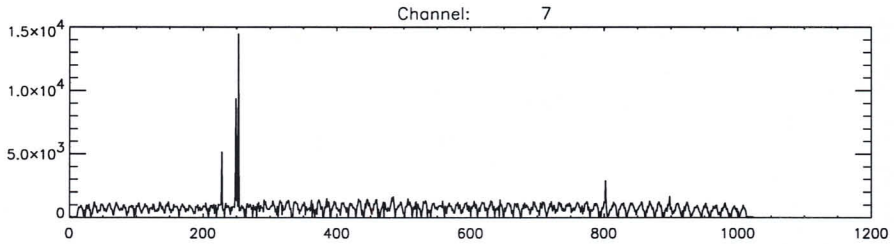
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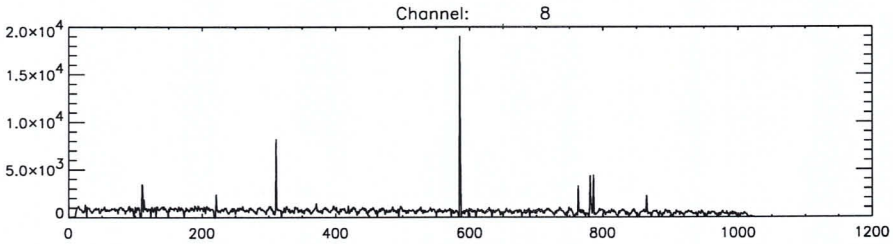
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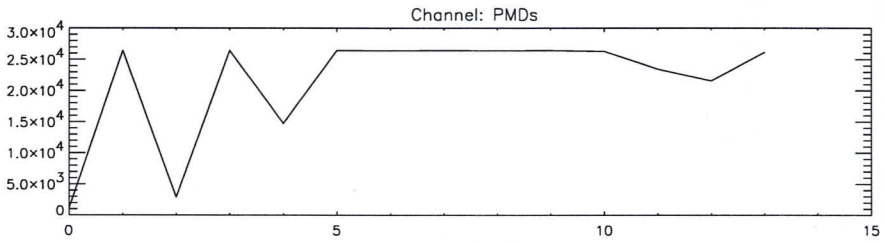
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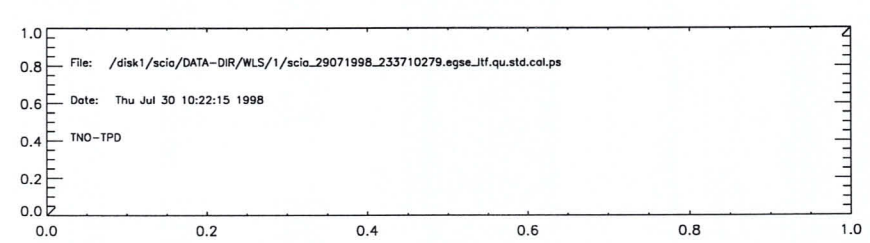
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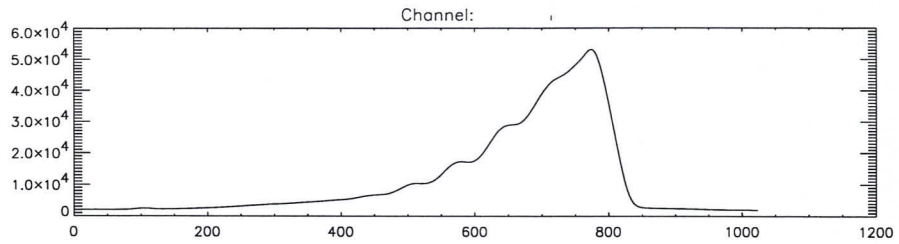
Date: Thu Jul 30 10:22:15 1998
TNO-TPD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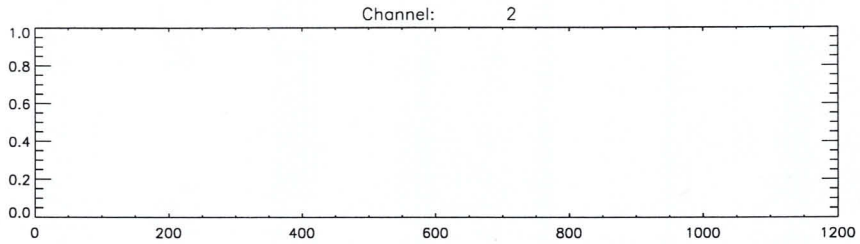
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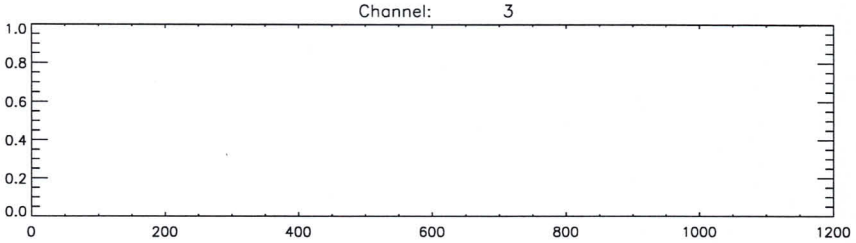
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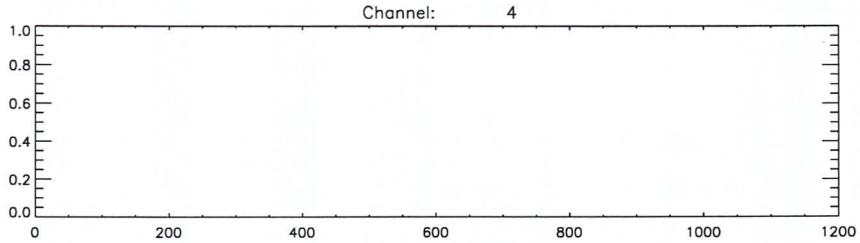
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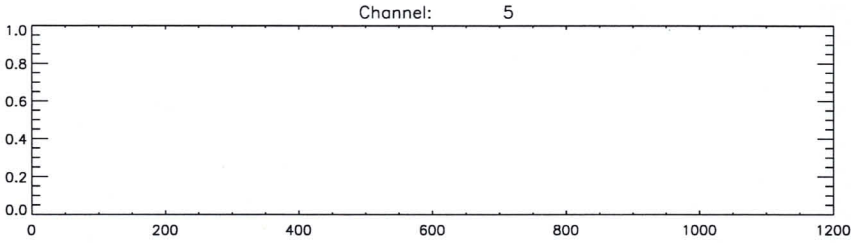
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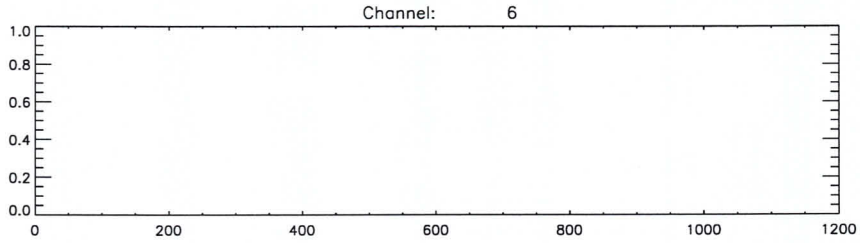
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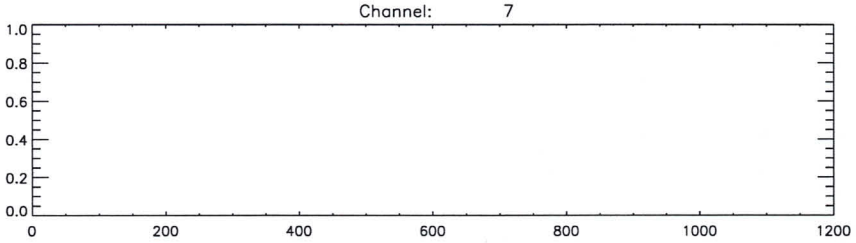
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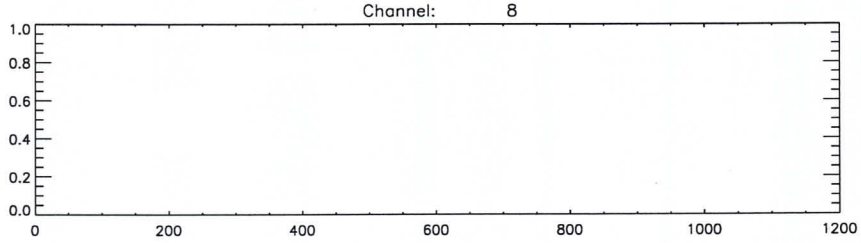
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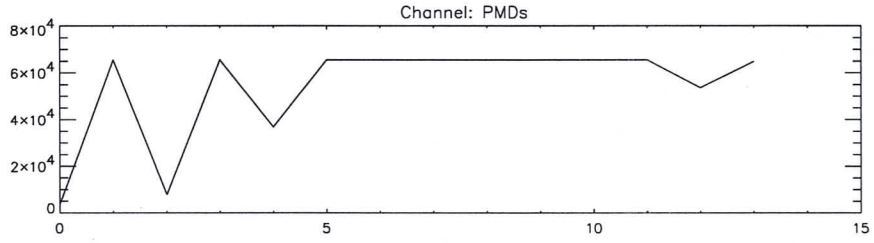
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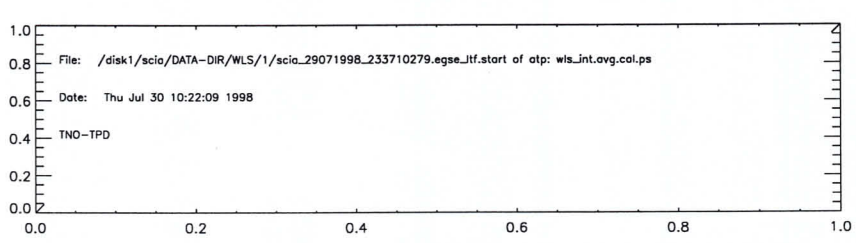
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Date: Thu Jul 30 10:22:09 1998
TNO-TPD
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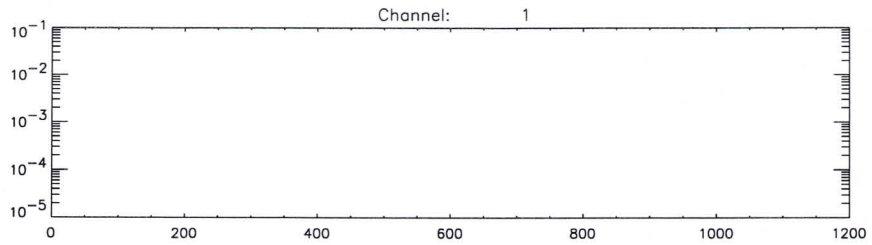
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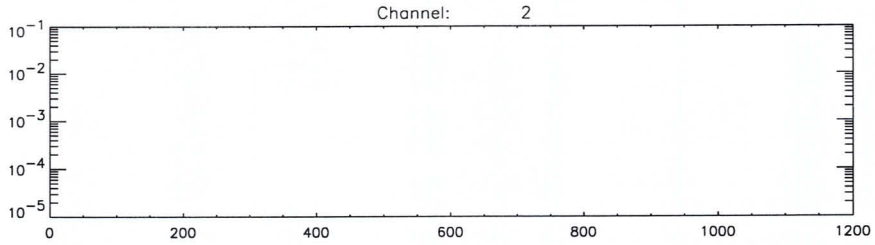
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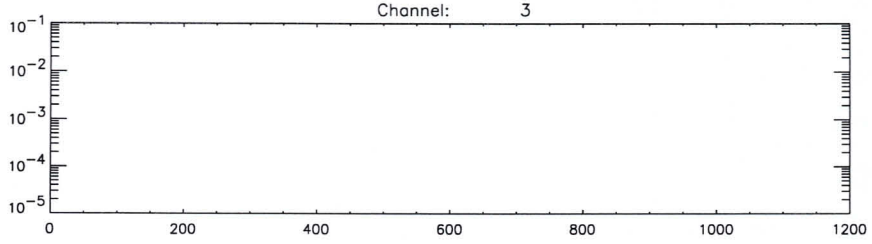
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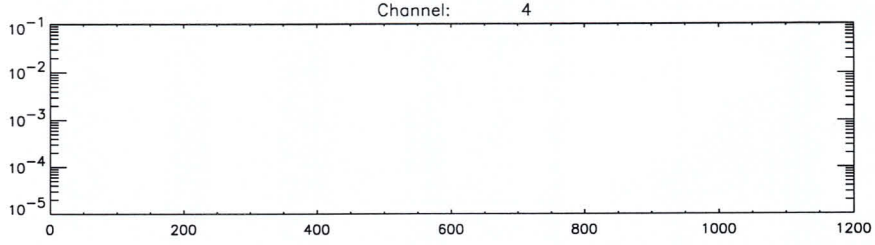
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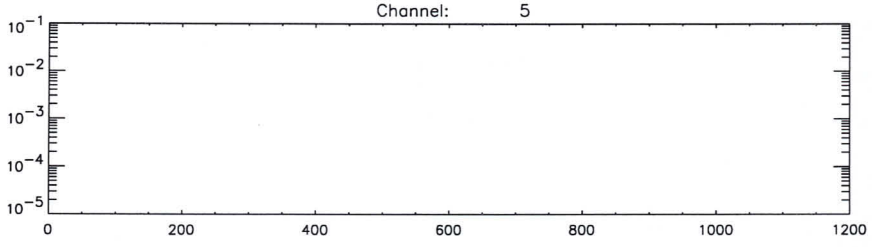
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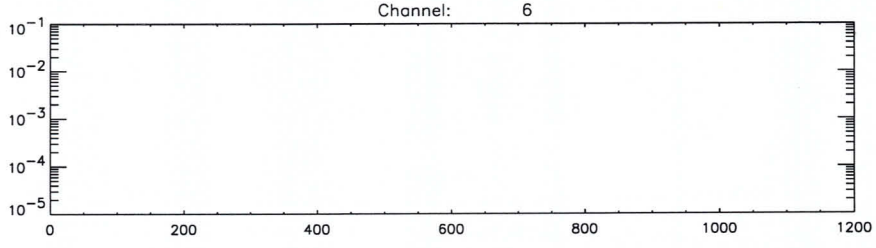
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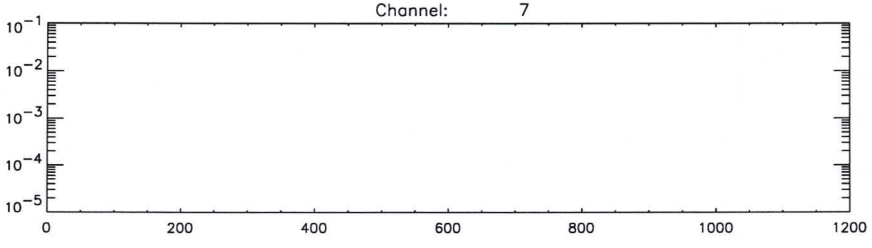
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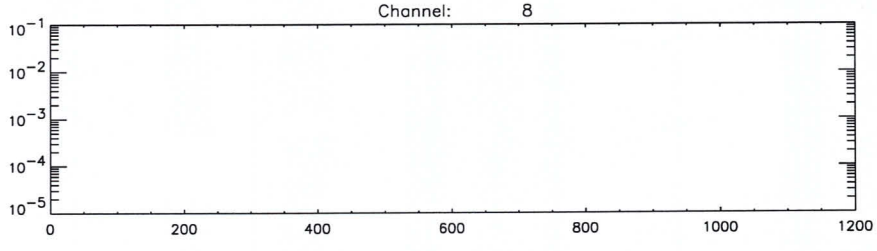
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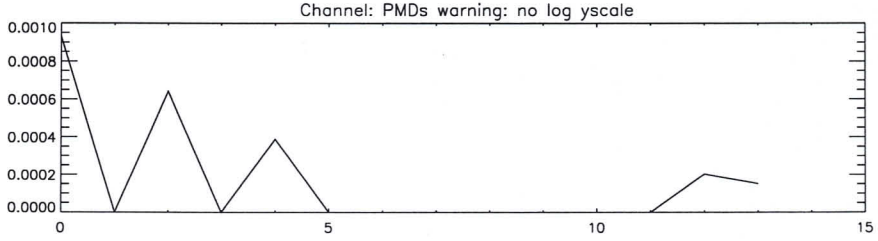
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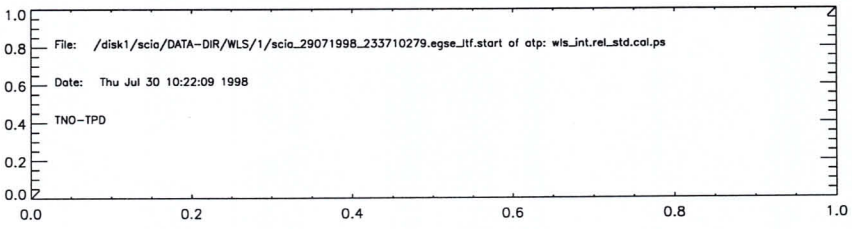
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Date: Thu Jul 30 10:22:09 1998
TNO-TPD
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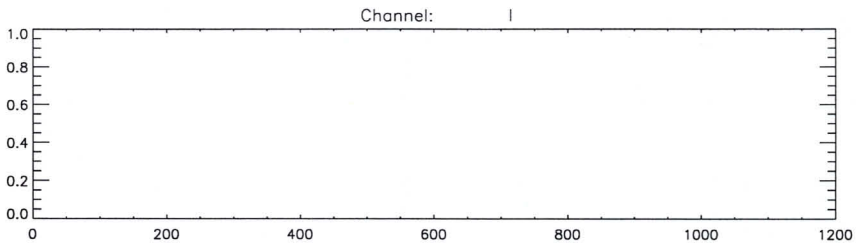
0.8
1.0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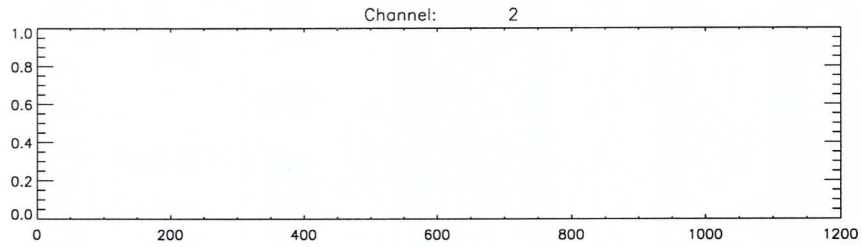
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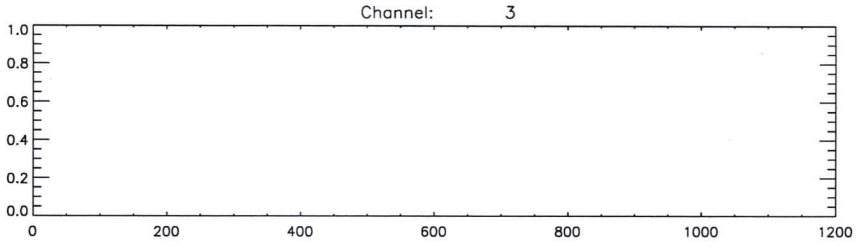
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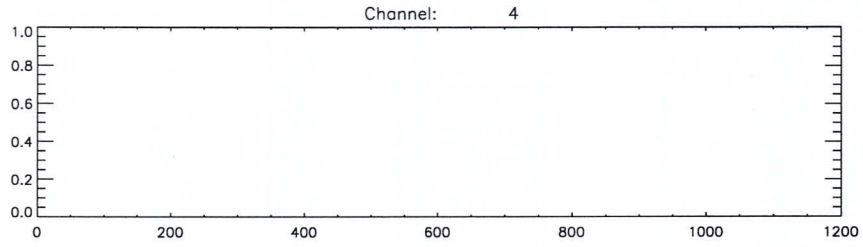
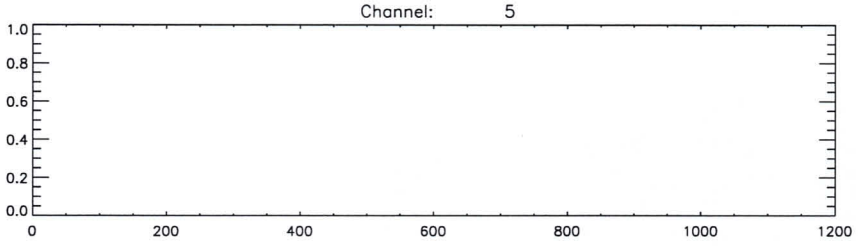
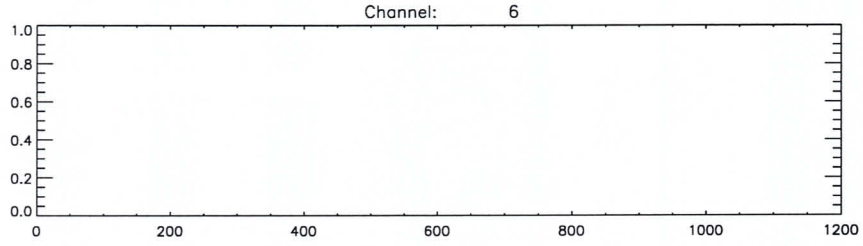
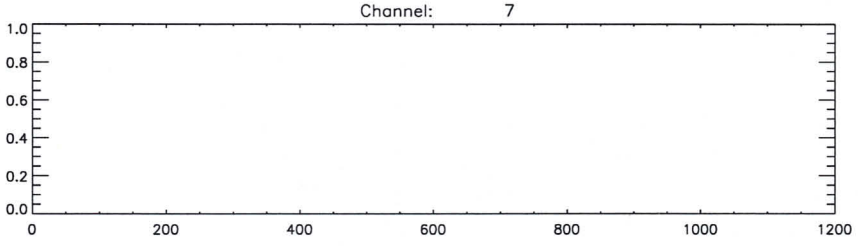
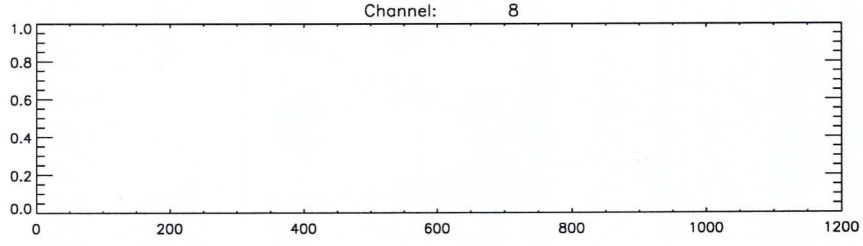
1000
1200

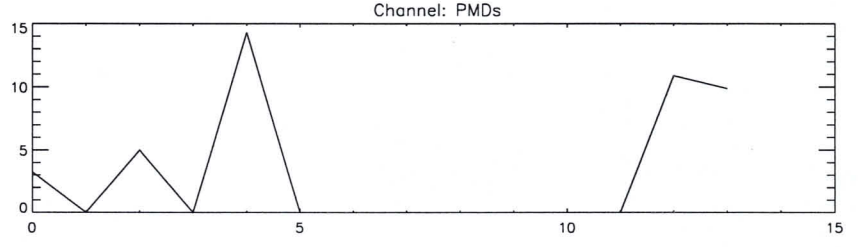

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

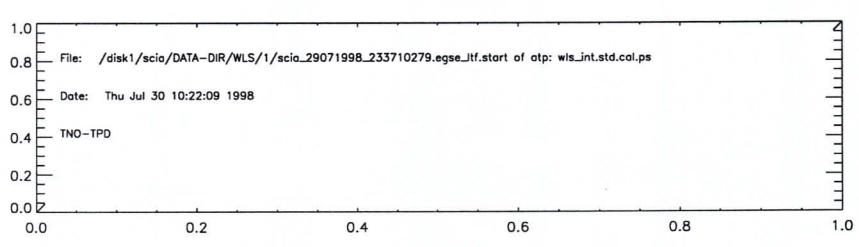

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

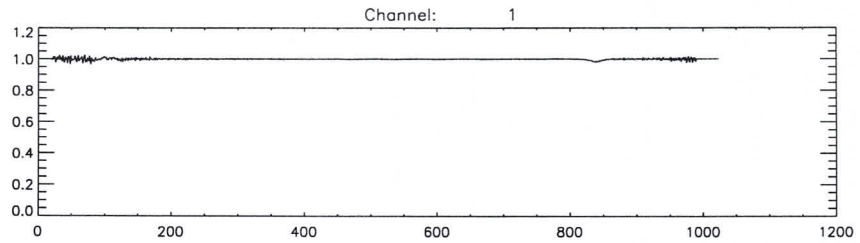

Channel: PMDs
15
10
5
0
0
5
10
15

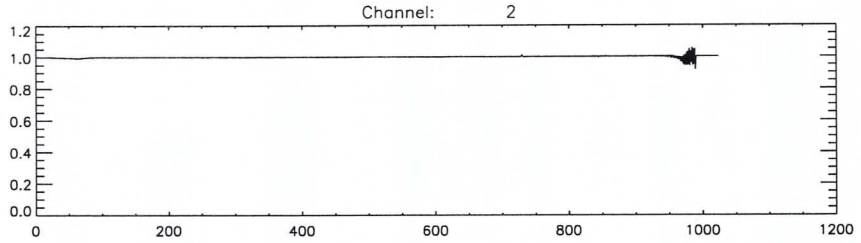

File: /disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_itf.start of otp: wls_int.std.cal.ps
Date: Thu Jul 30 10:22:09 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

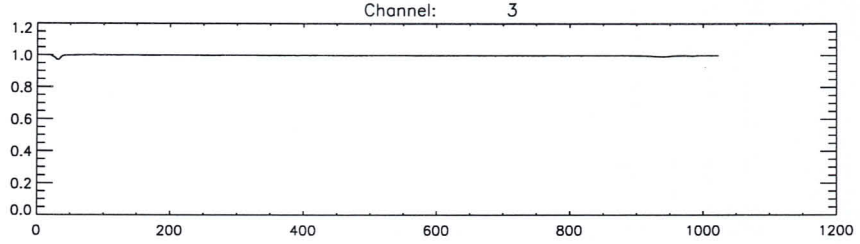
```
time       = Thu Jul 30 10:22:21 1998
batch      = du
Start TOD  = Wed 29-Jul-98 23:37:34
End   TOD  = Wed 29-Jul-98 23:38:34
Processing= computation of average, standard dev. and rel.standard dev.
```

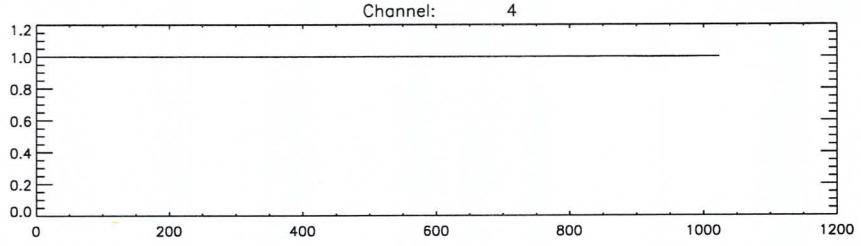
```
time       = Thu Jul 30 10:22:15 1998
batch      = qu
Start TOD = Wed 29-Jul-98 23:37:12
End   TOD = Wed 29-Jul-98 23:37:34
Processing= computation of average, standard dev. and rel.standard dev.
```

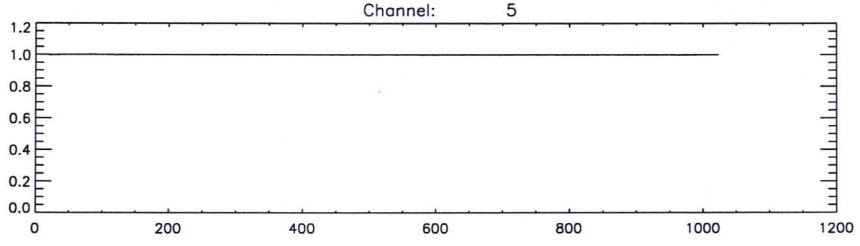
```
time       = Thu Jul 30 10:22:09 1998
batch      = start of atp: wls_int
Start TOD = Wed 29-Jul-98 23:37:12
End   TOD = Wed 29-Jul-98 23:37:12
Processing= computation of average, standard dev. and rel.standard dev.
```

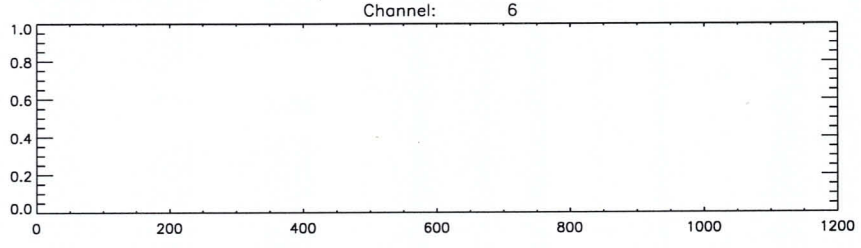

Channel: 1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

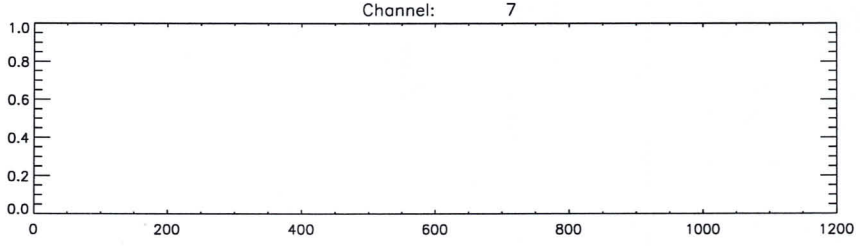

Channel: 2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

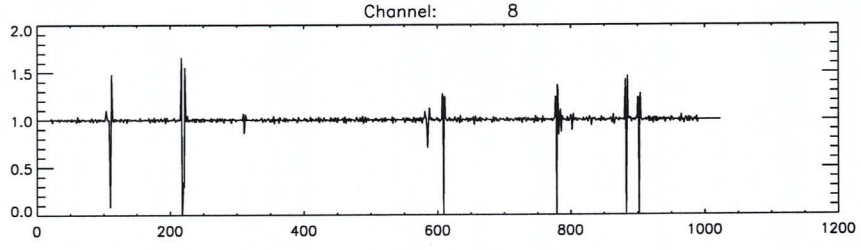

Channel: 3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

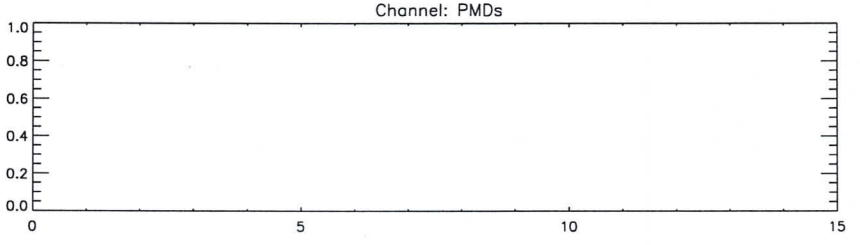

Channel: 4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

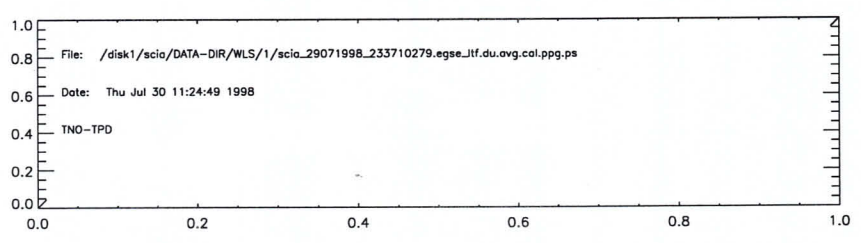

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps
Date: Thu Jul 30 11:24:49 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

#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: /disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.
#####
scia6
#####
Printed: Thu 11:27 Jul 30, 1998
#####
Job number: hp6mp-221
#####
#####
#####
#####
#####

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.avg.cal
Action: Pixel to pixel gain: postscript file
Processing time: Thu Jul 30 11:24:49 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Thu Jul 30 11:24:49 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	BART BAKHEREN 30/07/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	SCIA_29071998_23371027g.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?		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 ~/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.	Al gedaan voor PPG-processing.	In DATA-DIR Window
	When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.		

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; your current directory should be ~/DATA-DIR/WLS/<C >; don't forget the dot !!! May take more than 15 mins.
	What's the name of the egse_ltf file	_____	(D)
	`<D> should be <A>.egse_ltf`	Y / N	
Cnstr CAL files	`idl run_averscia` (and select file <D> when asked)		Note: In window IDL
Check CAL files	Dark files: `ls -l *du*.avg.cal`		In DATA-DIR window should be approx 150Kb
	size:	_____	
	White light file: `ls -l *wu*.avg.cal`		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 `*uw*.avg.cal.ps` should resemble white light source:	Y / N	

Al gedaan voor PPG-meeting.

Etalon

	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

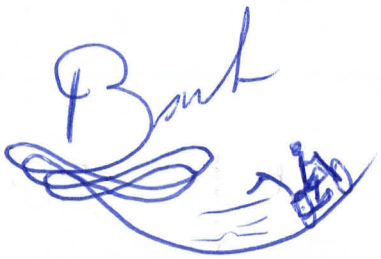
Run ETALON	`idl do_etalon`		In IDL window
Check ETALON	`ls -l <DIR-NAME>/*` Size of file `*.du*.avg.cal.etalon.cal`	145998	In DATA-DIR window should be approx 150Kb
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.cal.ps` Value of ETALON should show only a small variation around 1.0 (like noise). Add postscript images to logbook, done	Y / N Y / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log` Add logfiles to logbook, done	Y / N	

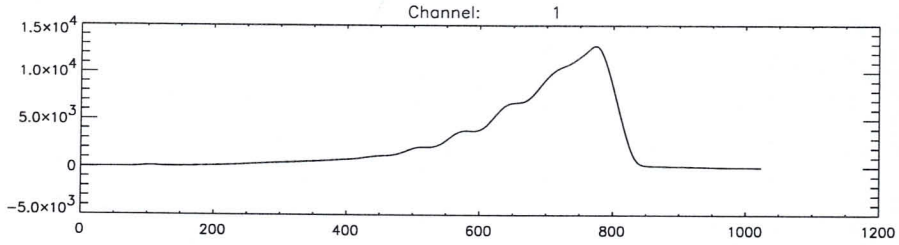
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	_____	See analysis sheet BackUp

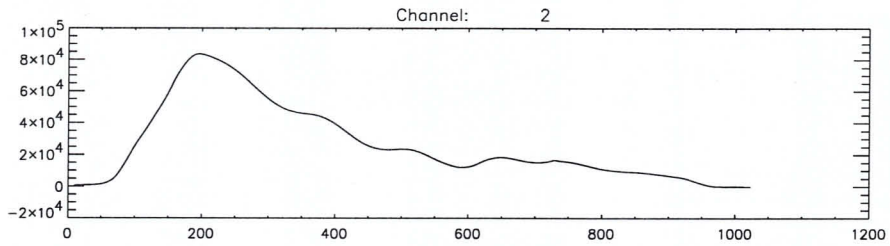
Sign:	Name	_____ BART

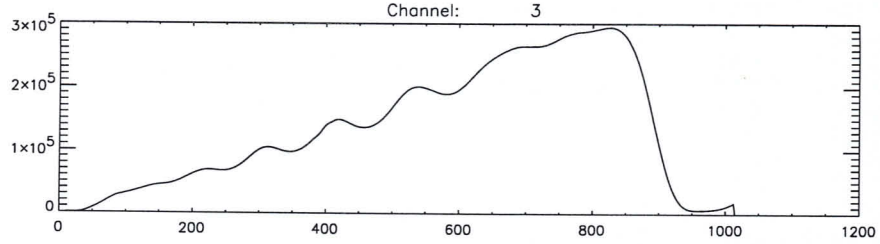
Date and time 30/7/1998 11:50 UTC

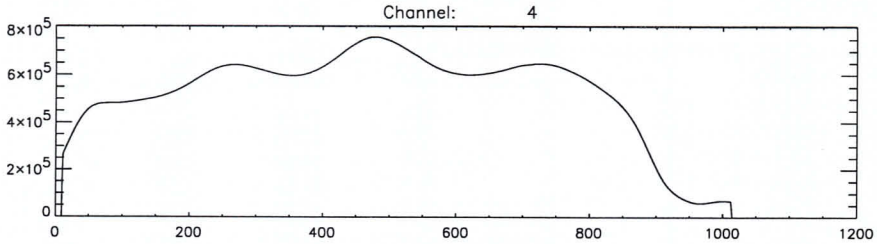
Signature

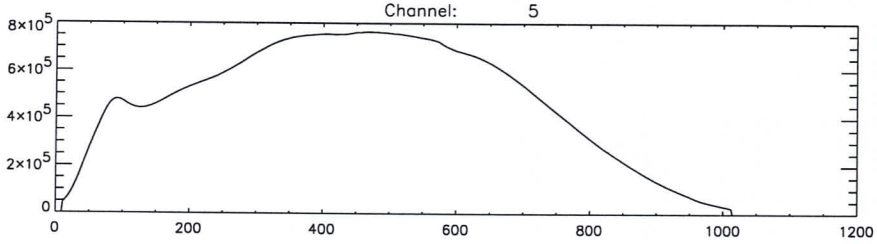


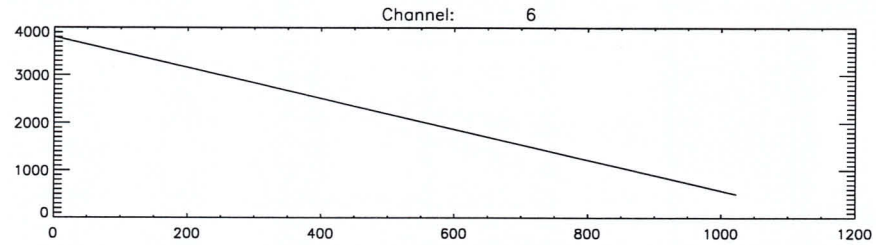

Channel: 1
1.5x10^4
1.0x10^4
5.0x10^3
0
-5.0x10^3
0
200
400
600
800
1000
1200

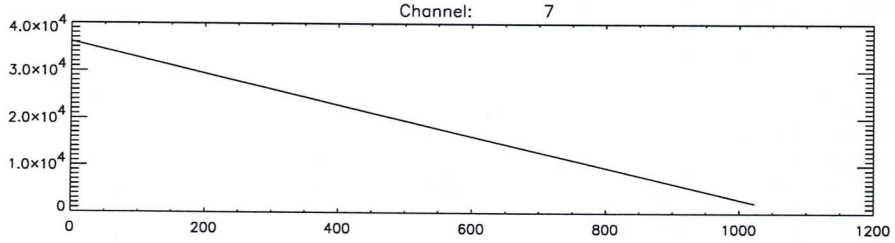

Channel: 2
1x10^5
8x10^4
6x10^4
4x10^4
2x10^4
0
-2x10^4
0
200
400
600
800
1000
1200

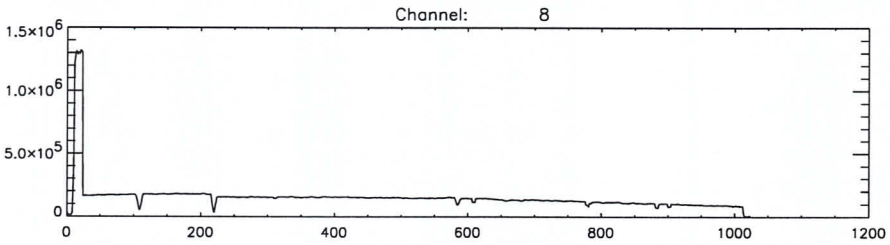

Channel: 3
3x10^5
2x10^5
1x10^5
0
0
200
400
600
800
1000
1200

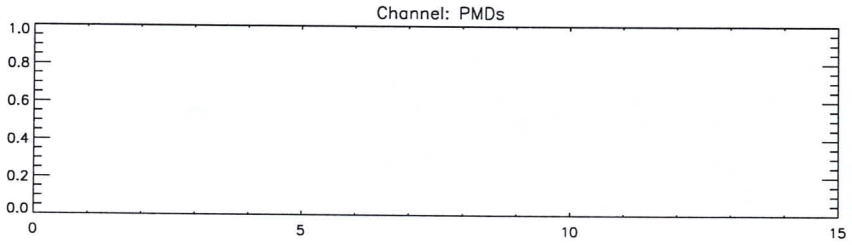

Channel: 4
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200

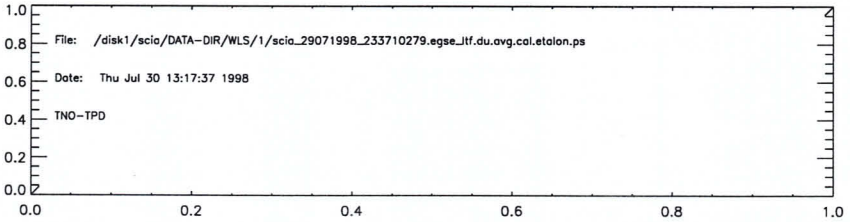

Channel: 5
8x10^5
6x10^5
4x10^5
2x10^5
0
0
200
400
600
800
1000
1200


Channel: 6
4000
3000
2000
1000
0
0
200
400
600
800
1000
1200


Channel: 7
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 8
1.5x10^6
1.0x10^6
5.0x10^5
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/1/scia_29071998_233710279.egse_itf.du.avg.cal.etalon.ps
Date: Thu Jul 30 13:17:37 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

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.avg.cal
Action: Extraction of etalon structure: postscript file
Processing time: Thu Jul 30 13:47:19 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-4	Redone Analysis after correction of Soft ware by Andre Bos.	
16:39		
	Remarks:	
Team 1		
	- Average dark and Light signal seems ok	
	- H_2O dip in channel 6 still visible.	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 30/07/98	
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr correction directory	`cd ~/DATA-DIR/CORR ; ls` If there isn't a subdirectory corresponding to the current date, then `mk_corr_dir <date>`, where `<date>` is formated as follows DDMMYY (where DD, MM and YY correspond to the current date, DD = day, MM = month, YY = year 98). What is the name of the new directory?	300798	Note: In window DATA-DIR (A)
Check	`ls -l <A>`		
	`etalon.cal` present?	(Y) / N	
	`dead_bad.pix` present?	(Y) / N	
	`stray.data` present?	(Y) / N	
	`wl.data` present?	(Y) / N	
	`ppg.cal` present?	(Y) / N	
Sign:	Name Date and time Signature	Marion 30-07-98 16:25 UT MStop	

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Marion Stoppelenburg	
	Date:	30-7-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-29071998-233710279.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?	0 (B)	
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	1 (C)	
	<C> should be <B> + 1	(Y) / N	
	directory name is:	`~/DATA-DIR/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.	300798	In DATA-DIR window

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 23371027q.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 b should be approx 150Kb

White light file:
`ls -l *wu*.avg.cal`

size: 9 = internal WLS 145998 b 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` 9 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

* Zie Remark

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

Size of file `*.du*.cal.ppg.cal` 145,998 — should be approx 150Kb

Size of file `*.du*.cal.ppg.cal.log` 360

Size of file `*.du*.cal.ppg.cal.ps` 145299

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

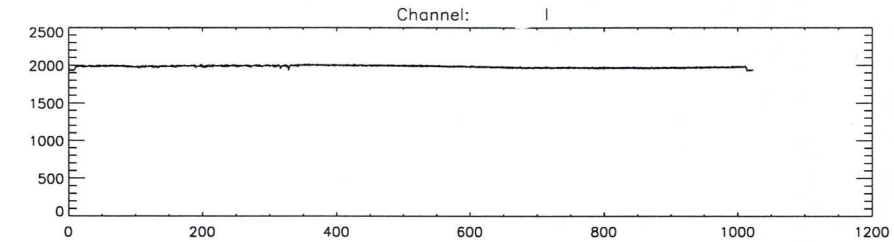
Name of backup CDs 300798 A

Sign:

Name: Marion

Date and time: 300798 19:00 (UTC)

Signature _____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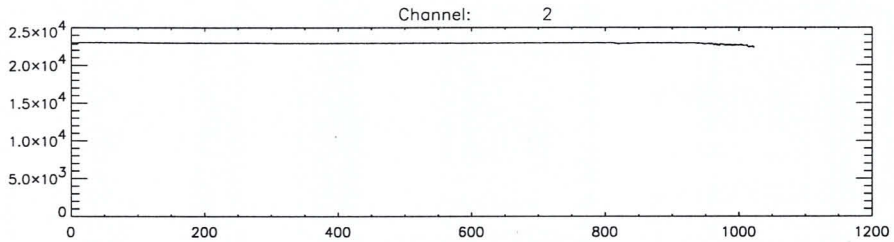
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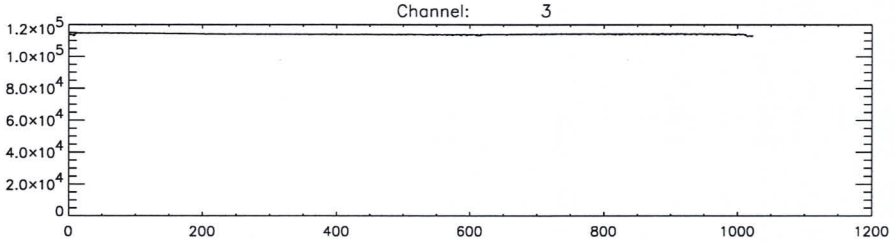
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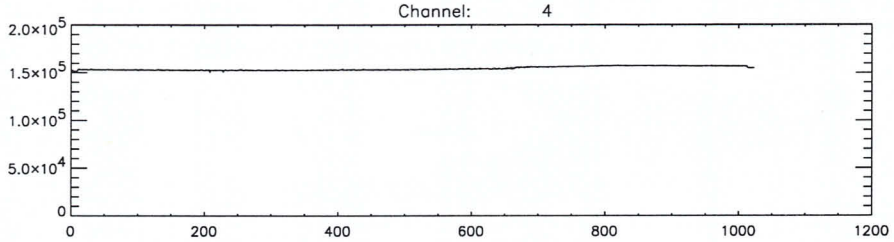
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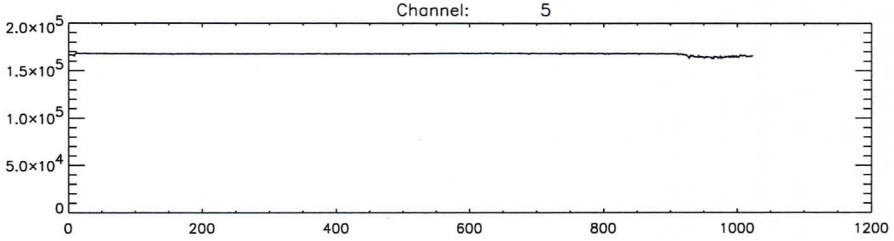
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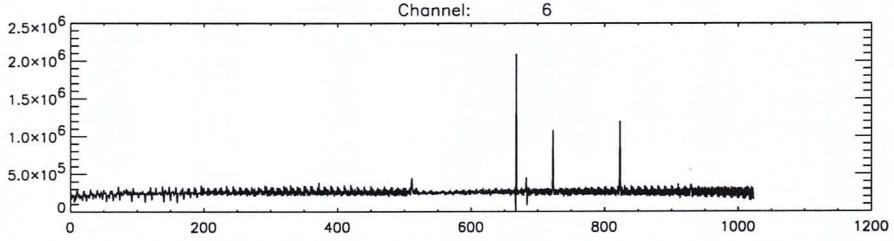
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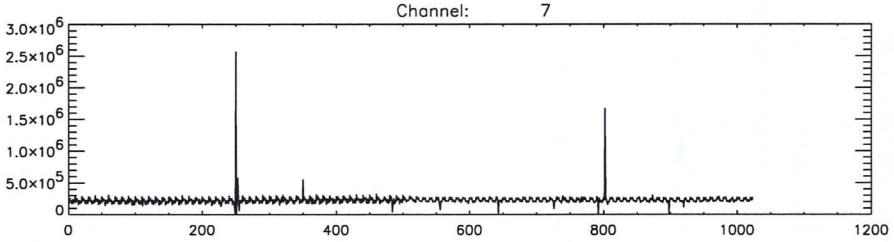
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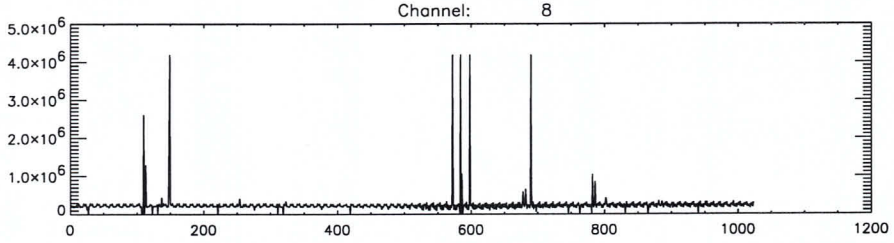
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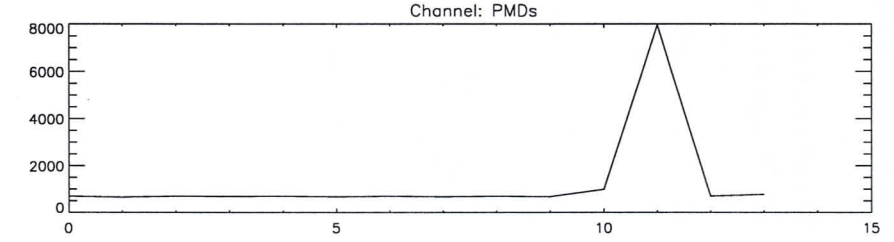
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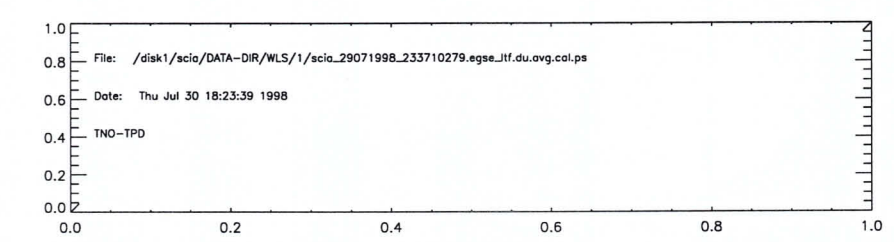
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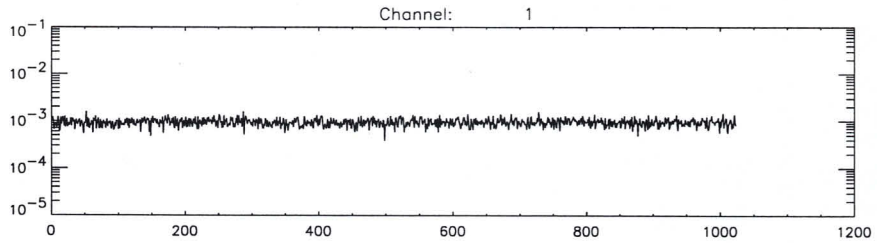
Date: Thu Jul 30 18:23:39 1998
TNO-TPD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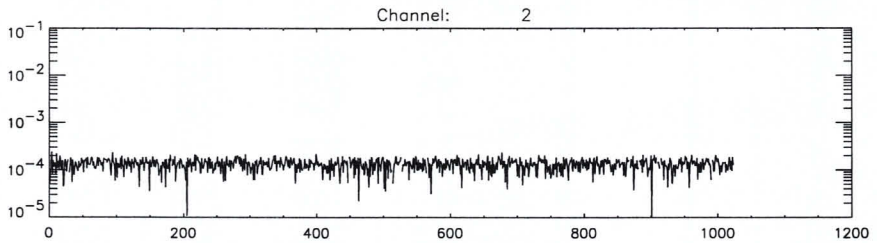
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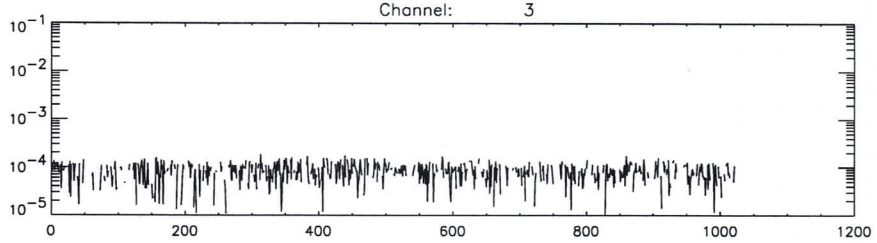
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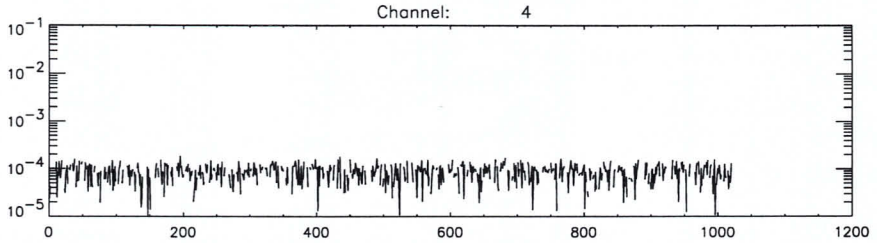
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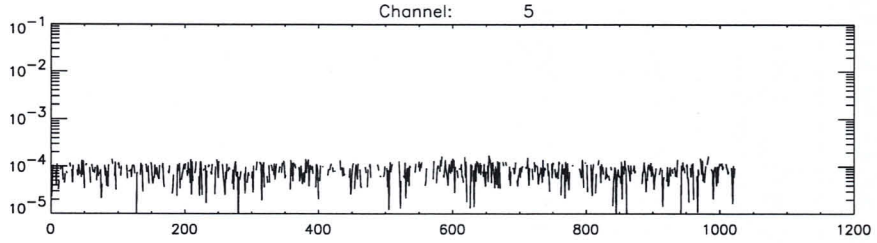
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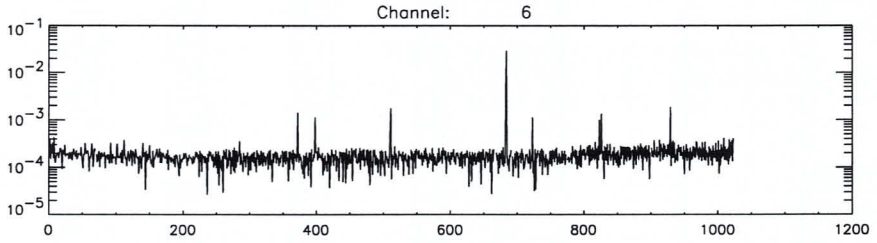
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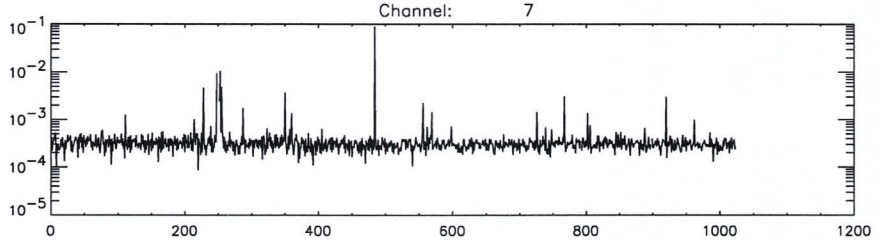
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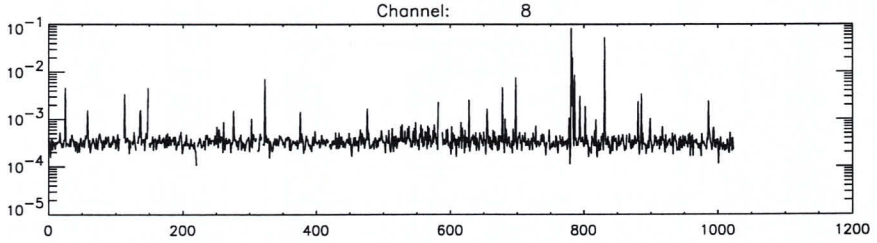
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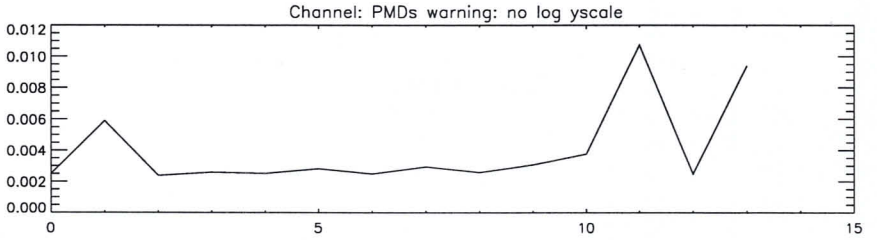
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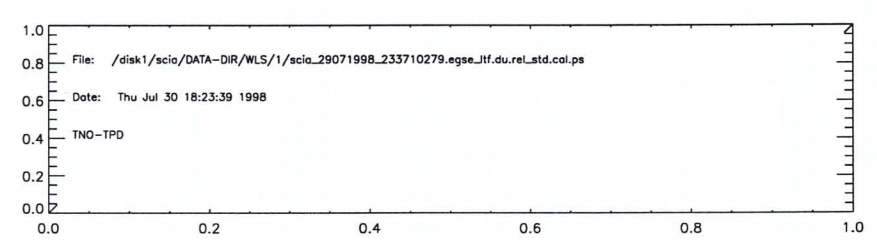
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Date: Thu Jul 30 18:23:39 1998
TNO-TPD
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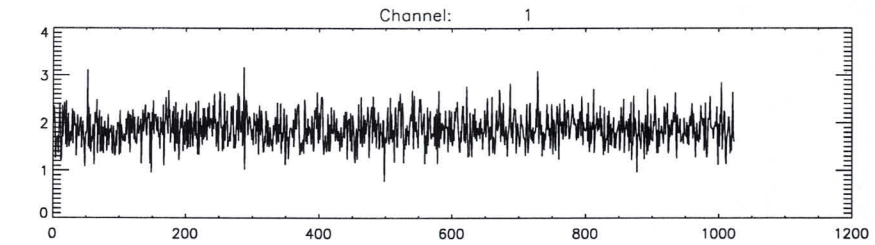
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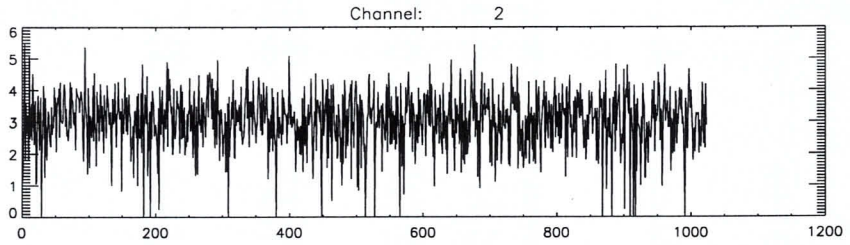
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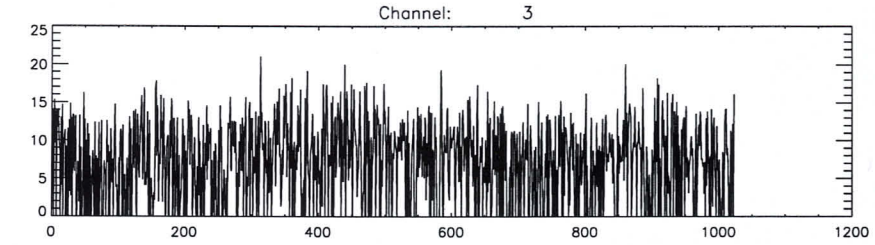
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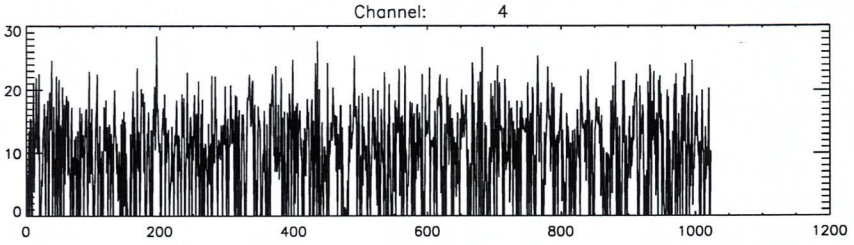
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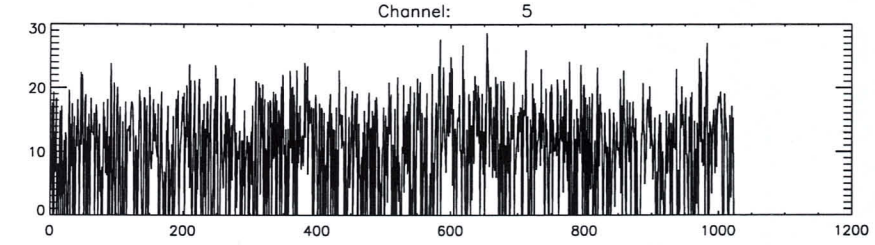
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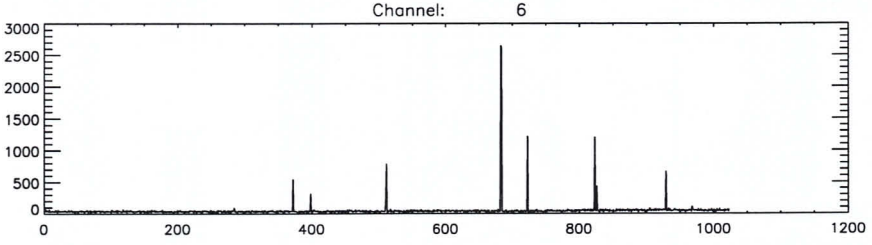
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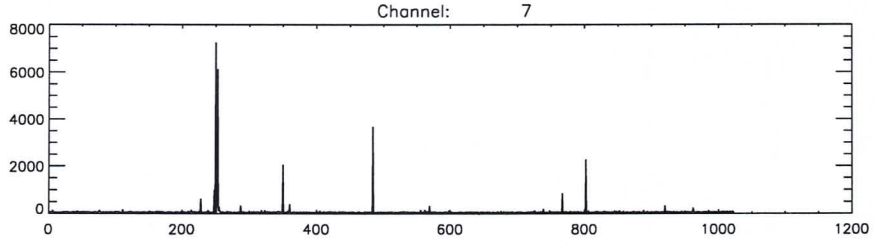
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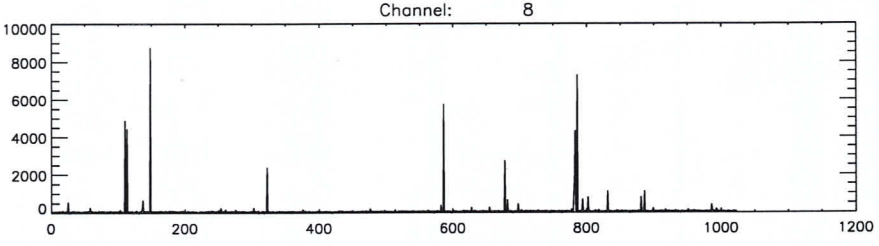
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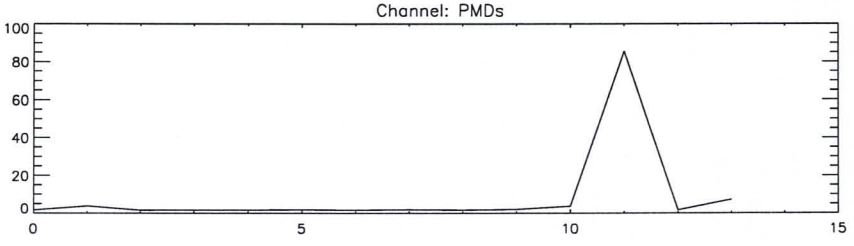
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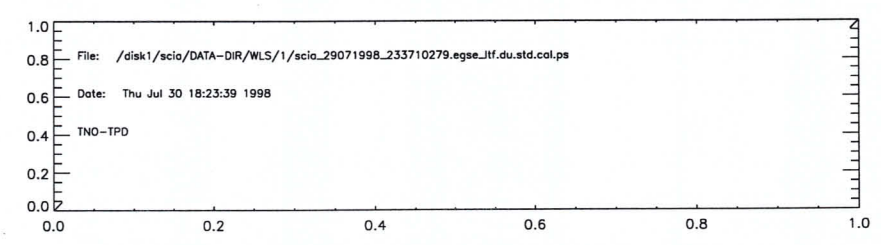
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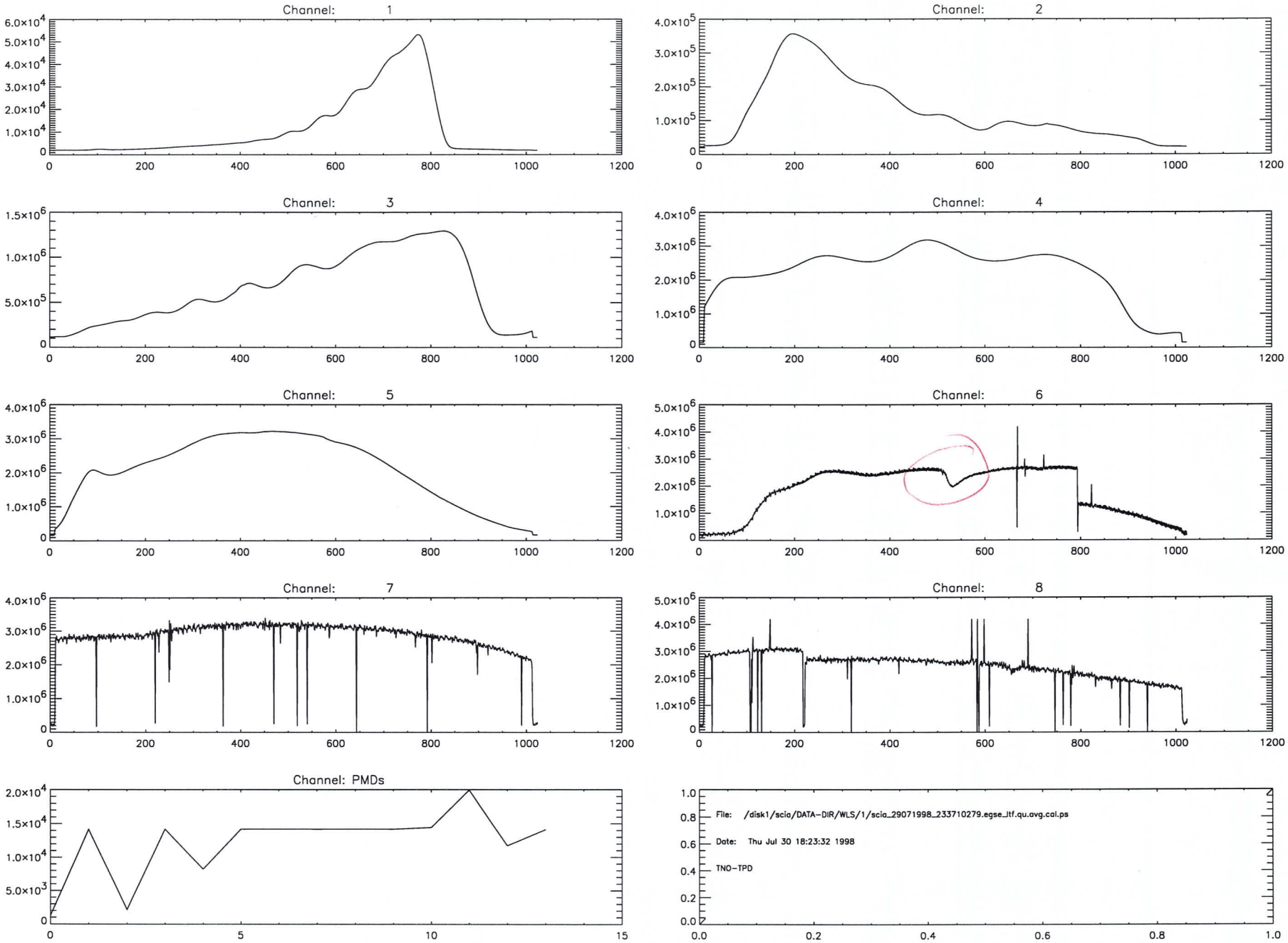
Date: Thu Jul 30 18:23:39 1998
TNO-TPD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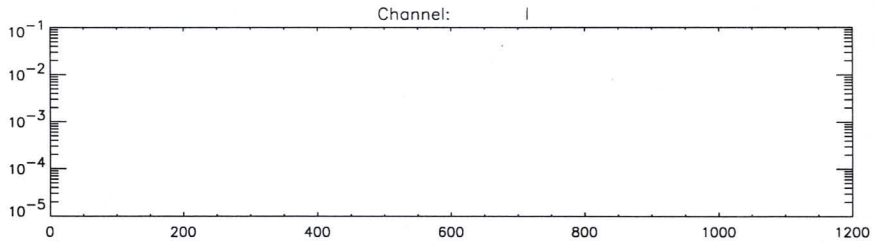
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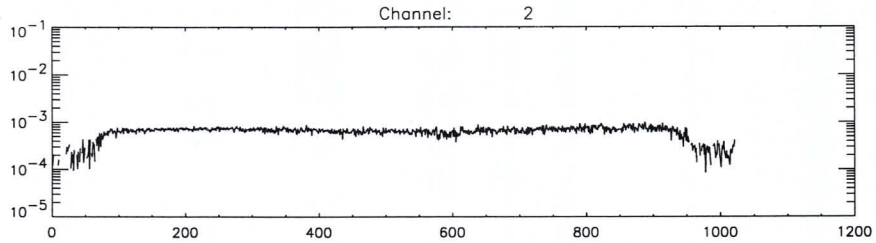
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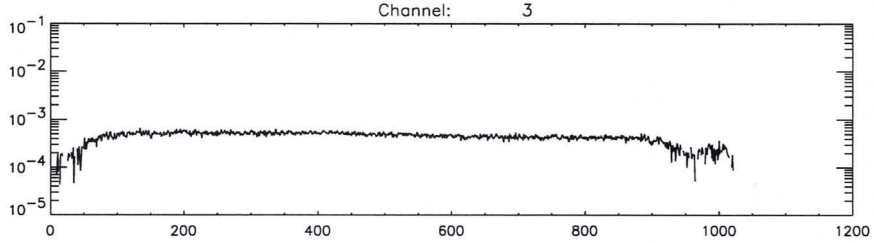
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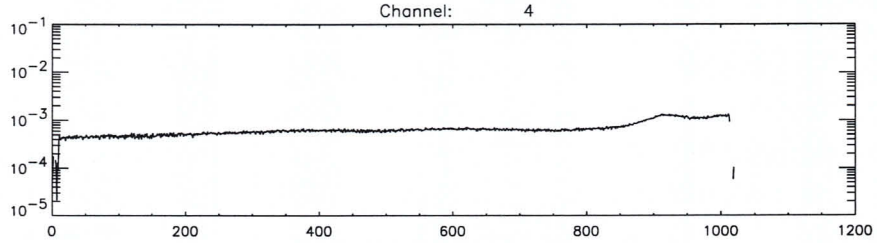
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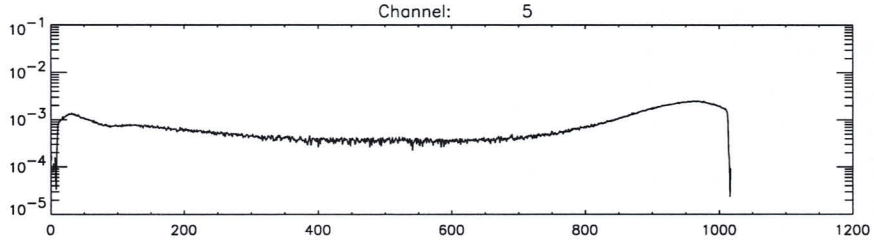
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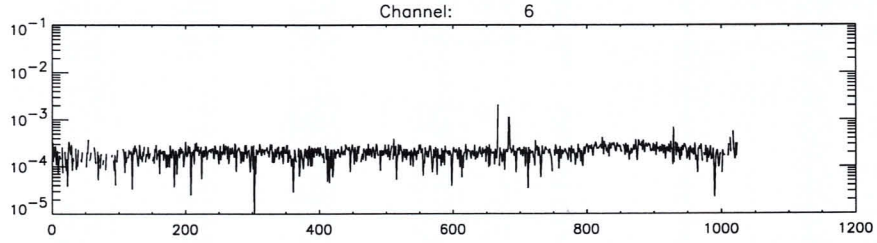
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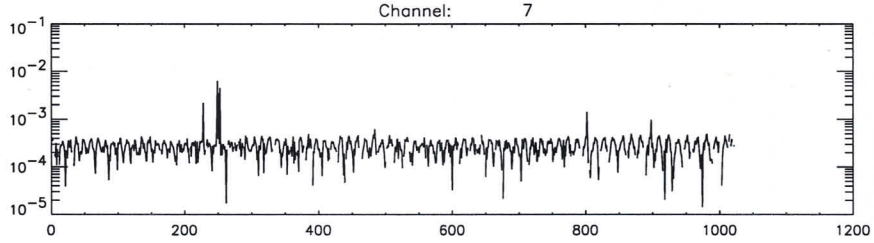
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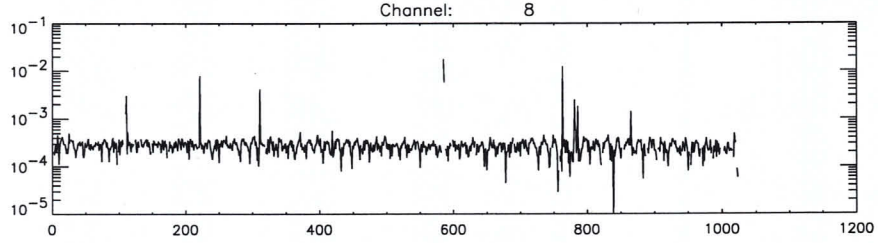
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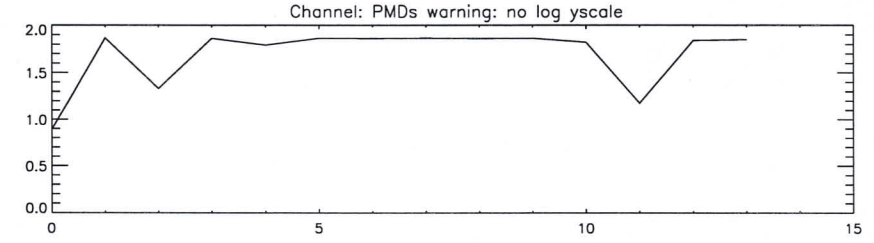
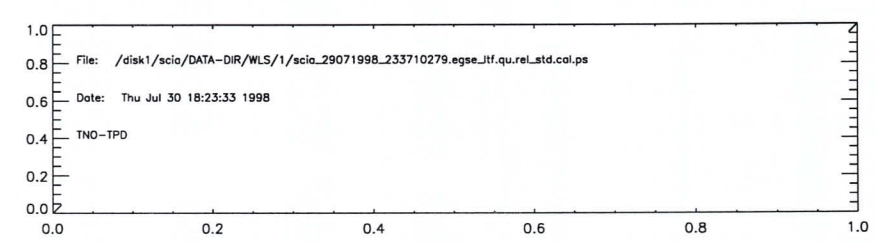

Channel: PMDs warning: no log yscale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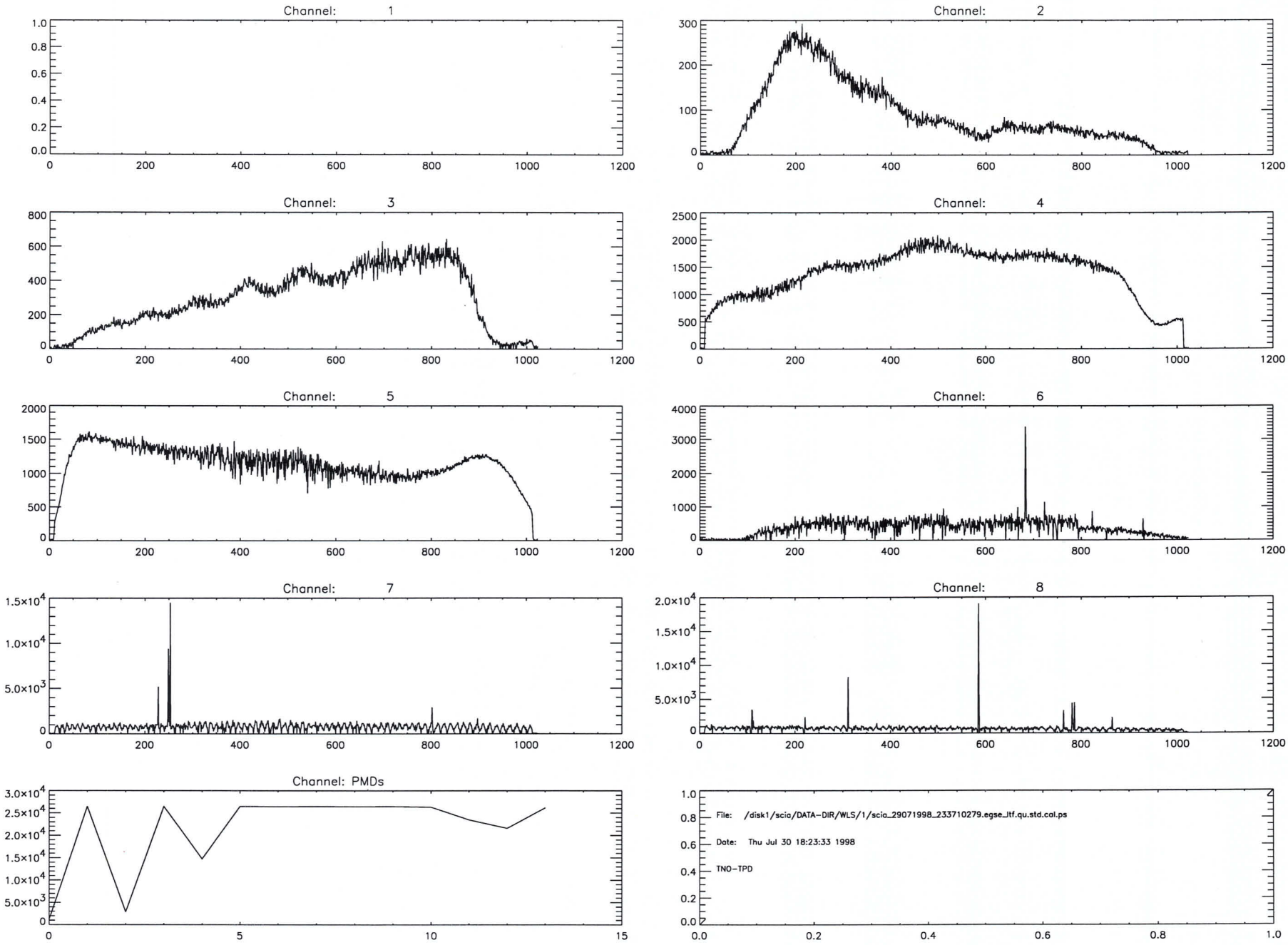
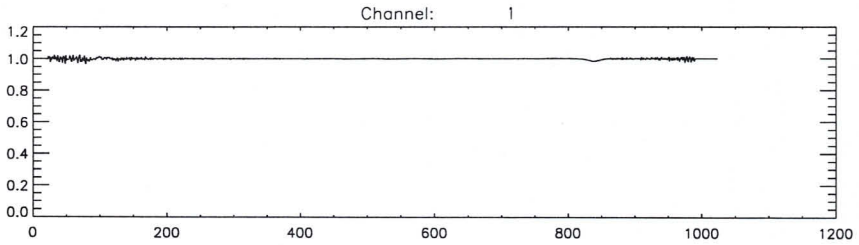
Date: Thu Jul 30 18:23:33 1998
TNO-TPD

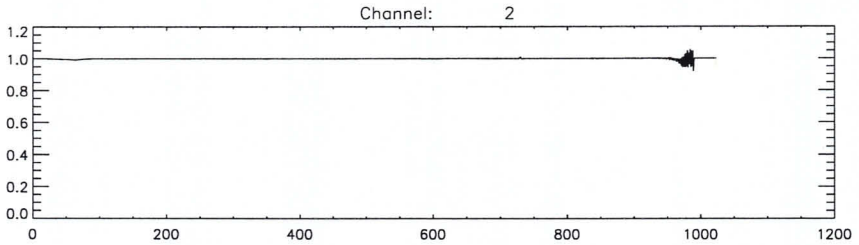

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.std.col.ps
Date: Thu Jul 30 18:23:33 1998
TNO-TPD

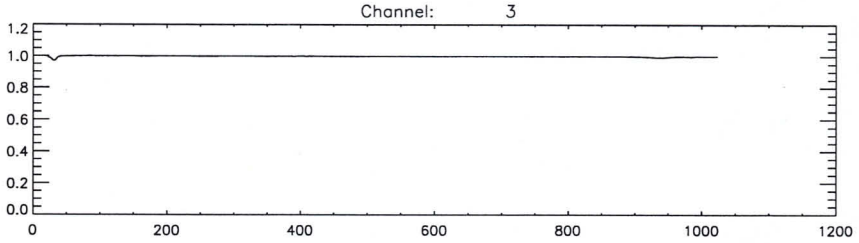
```
time       = Thu Jul 30 18:23:39 1998
batch      = du
Start TOD = Wed 29-Jul-98 23:37:34
End   TOD = Wed 29-Jul-98 23:38:34
Processing= computation of average, standard dev. and rel.standard dev.
```

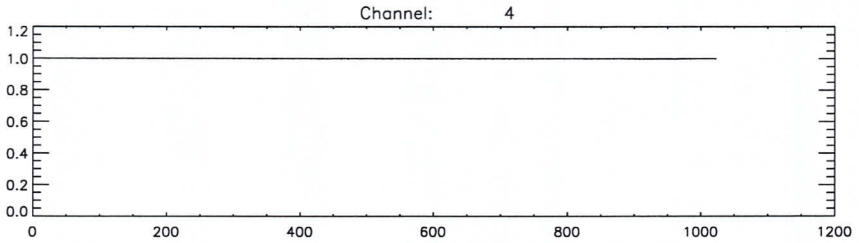
```
time       = Thu Jul 30 18:23:33 1998
batch      = qu
Start TOD = Wed 29-Jul-98 23:37:12
End   TOD = Wed 29-Jul-98 23:37:34
Processing= computation of average, standard dev. and rel.standard dev.
```

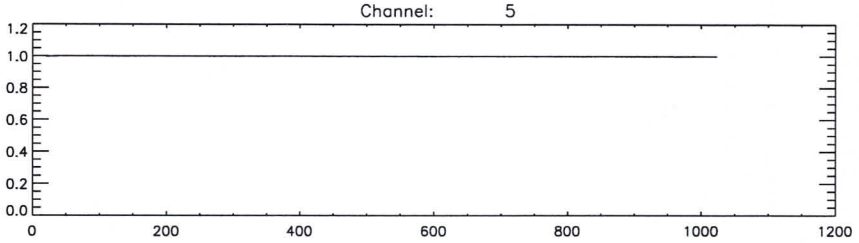
```
time       = Thu Jul 30 18:23:27 1998
batch      = start of atp: wls_int
Start TOD = Wed 29-Jul-98 23:37:12
End   TOD = Wed 29-Jul-98 23:37:12
Processing= computation of average, standard dev. and rel.standard dev.
```

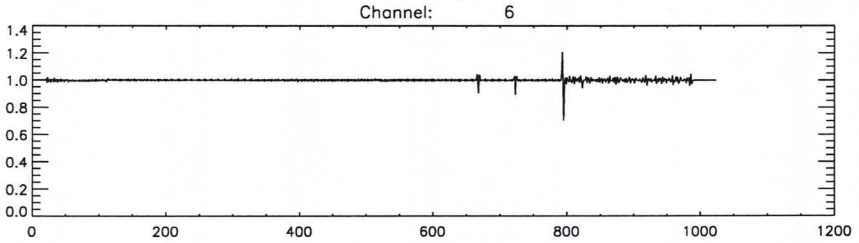

Channel: 1
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

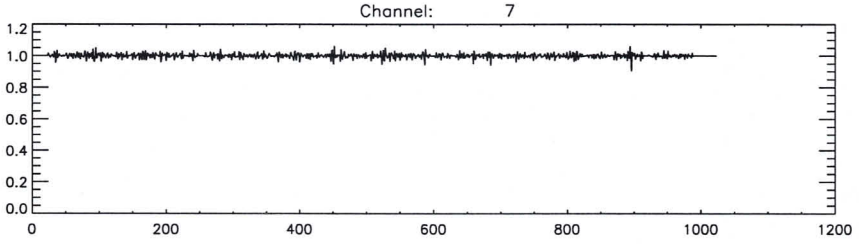

Channel: 2
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

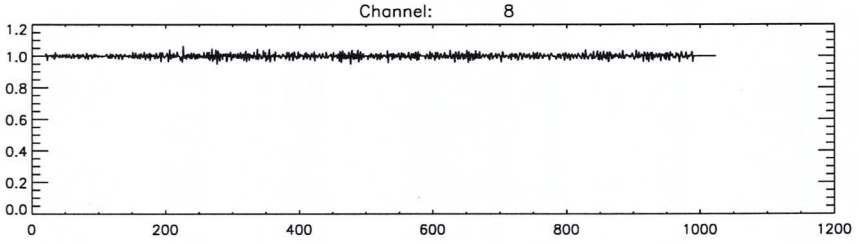

Channel: 3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

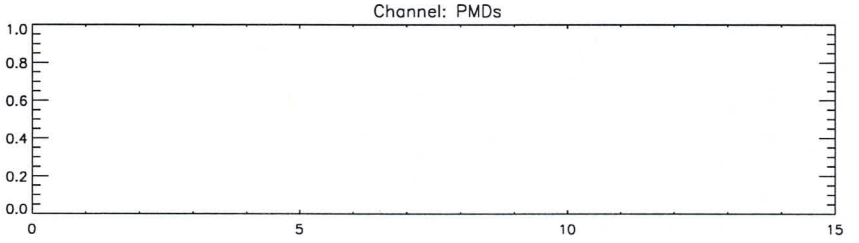

Channel: 4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

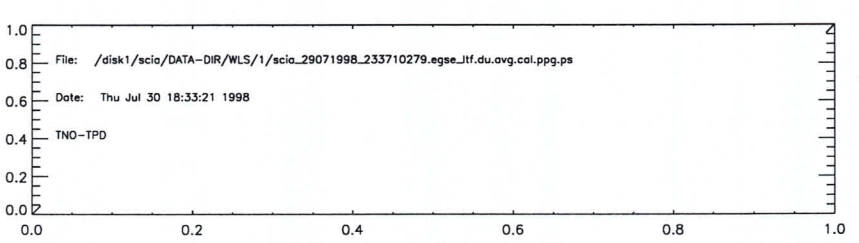

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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/1/scia_29071998_233710279.egse_itf.du.avg.cal.ppg.ps
Date: Thu Jul 30 18:33:21 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/1/scia_29071998_233710279.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Thu Jul 30 18:33:21 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 30-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	sria_29071998_23371027g.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?	0	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:	1 (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.	300798	In DATA-DIR Window
	When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.		

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 23371027q.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

In DATA-DIR window

Check CAL files

Dark files:

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

size: 145998 b

should be approx 150Kb

White light file:

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

size: 145998

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 of 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. 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>/*` Size of file `*.du*.avg.cal.etalon.cal`	145998	In DATA-DIR window should be approx 150Kb
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.[redacted].ps` Value of ETALON should show only a small variation around 1.0 (like noise). Add postscript images to logbook, done	Y / N Y / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log` Add logfiles to logbook, done	Y / N	

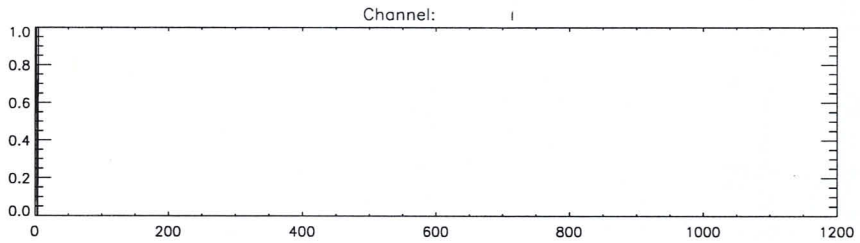
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	3007-98 A	See analysis sheet BackUp

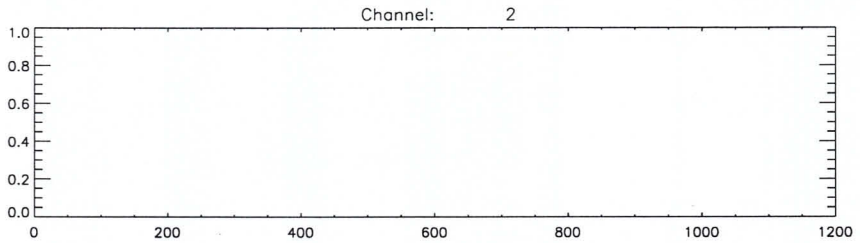
Sign:	Name	M. Stappelerburg

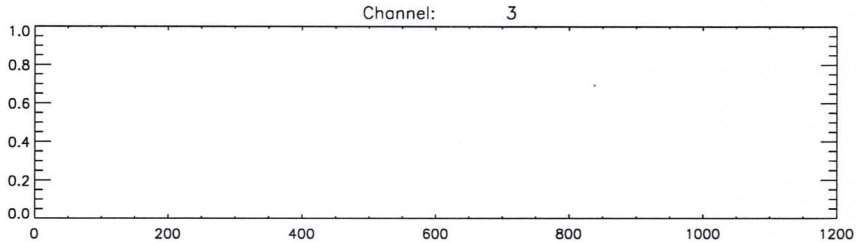
Date and time 300798 19.00

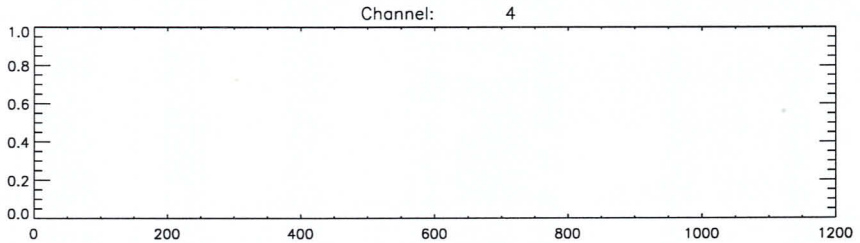
Signature M. Stroo

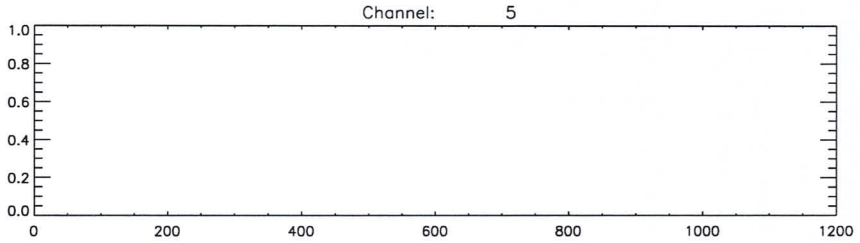
all 1

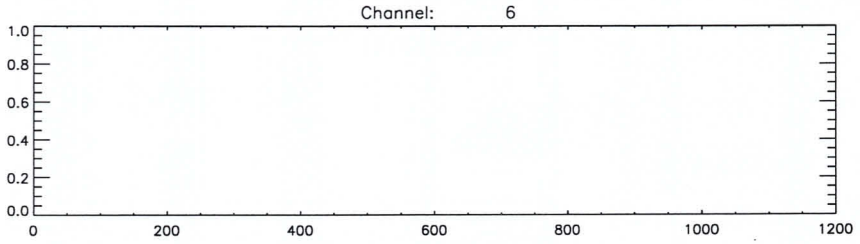

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

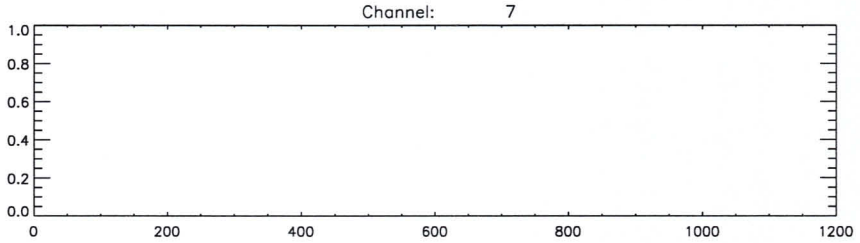

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

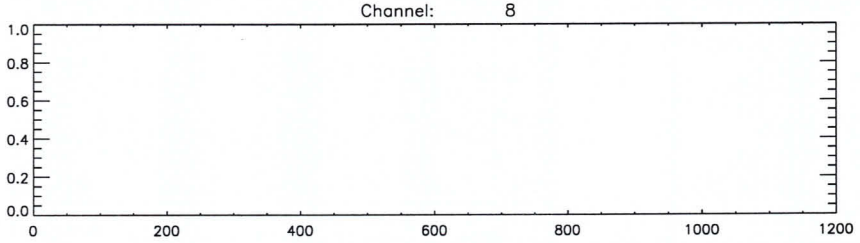

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

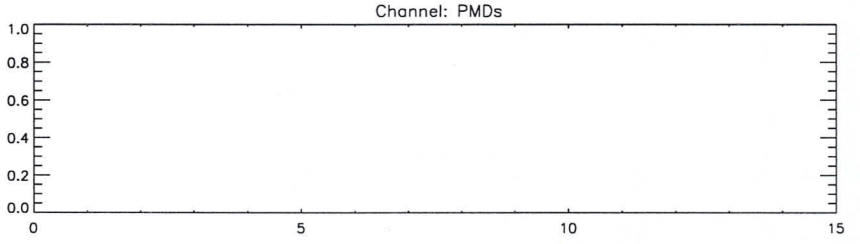

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

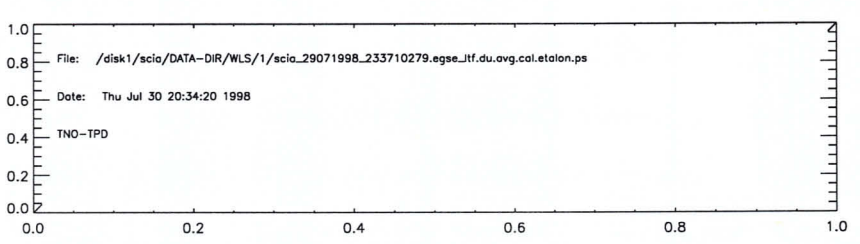

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_itf.du.avg.cal.etalon.ps
Date: Thu Jul 30 20:34:20 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/1/scia_29071998_233710279.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.qu.avg.cal
Action: Extraction of etalon structure
Processing time: Thu Jul 30 20:33:38 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/1/scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.

```
#! /bin/sh
mv 210y2332.doc f0
mv 210y2339.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_29071998_233710279.dat f8
mv scia_29071998_233710279.egse_ltf f9
mv scia_29071998_233710279.egse_ltf.du.avg.cal f10
mv scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.cal f11
mv scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.cal.log f12
mv scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.ps f13
mv scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.ps.log f14
mv scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal f15
mv scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.log f16
mv scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.ps f17
mv scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal f18
mv scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal.log f19
mv scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps f20
m  scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps.log f21
mv scia_29071998_233710279.egse_ltf.du.avg.cal.ps f22
mv scia_29071998_233710279.egse_ltf.du.log f23
mv scia_29071998_233710279.egse_ltf.du.rel_std.cal f24
mv scia_29071998_233710279.egse_ltf.du.rel_std.cal.ps f25
mv scia_29071998_233710279.egse_ltf.du.std.cal f26
mv scia_29071998_233710279.egse_ltf.du.std.cal.ps f27
mv scia_29071998_233710279.egse_ltf.qu.avg.cal f28
mv scia_29071998_233710279.egse_ltf.qu.avg.cal.ps f29
mv scia_29071998_233710279.egse_ltf.qu.log f30
mv scia_29071998_233710279.egse_ltf.qu.rel_std.cal f31
mv scia_29071998_233710279.egse_ltf.qu.rel_std.cal.ps f32
mv scia_29071998_233710279.egse_ltf.qu.std.cal f33
mv scia_29071998_233710279.egse_ltf.qu.std.cal.ps f34
mv scia_29071998_233710279.egse_ltf.startofatp:wls_int.log f35
```

```
#! /bin/sh
mv f0 210y2332.doc
mv f1 210y2339.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_29071998_233710279.dat
mv f9 scia_29071998_233710279.egse_ltf
mv f10 scia_29071998_233710279.egse_ltf.du.avg.cal
mv f11 scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.cal
mv f12 scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.cal.log
mv f13 scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.ps
mv f14 scia_29071998_233710279.egse_ltf.du.avg.cal.etalon.ps.log
mv f15 scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal
mv f16 scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.log
mv f17 scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.ps
mv f18 scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal
mv f19 scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.cal.log
mv f20 scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps
mv f21 scia_29071998_233710279.egse_ltf.du.avg.cal.ppg.ps.log
mv f22 scia_29071998_233710279.egse_ltf.du.avg.cal.ps
mv f23 scia_29071998_233710279.egse_ltf.du.log
mv f24 scia_29071998_233710279.egse_ltf.du.rel_std.cal
mv f25 scia_29071998_233710279.egse_ltf.du.rel_std.cal.ps
mv f26 scia_29071998_233710279.egse_ltf.du.std.cal
mv f27 scia_29071998_233710279.egse_ltf.du.std.cal.ps
mv f28 scia_29071998_233710279.egse_ltf.qu.avg.cal
mv f29 scia_29071998_233710279.egse_ltf.qu.avg.cal.ps
mv f30 scia_29071998_233710279.egse_ltf.qu.log
mv f31 scia_29071998_233710279.egse_ltf.qu.rel_std.cal
mv f32 scia_29071998_233710279.egse_ltf.qu.rel_std.cal.ps
mv f33 scia_29071998_233710279.egse_ltf.qu.std.cal
mv f34 scia_29071998_233710279.egse_ltf.qu.std.cal.ps
mv f35 scia_29071998_233710279.egse_ltf.startofatp:wls_int.log
```

```
#! /bin/sh
mv scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal f0
mv scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.log f1
```

```
#! /bin/sh
mv f0 scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal
mv f1 scia_29071998_233710279.egse_ltf.du.avg.cal.p1.cal.log
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 30-07-98	
	What's the name of the (main) data input file that you want to store in the SOC directory?	scia_2907 1998 -23371027g.egse_ltf.du.avg.cal.p1.cal	(A)
	Setup a three-window configuration on your SUN.		See course descr.
	Let <I1> be ~~a spoolled~~ p1 ~~output file~~ of a ~~radiance~~ computatation (that is, the full path name of <I1> is something like ~/DATA-DIR/WLS/<number>/<abc>.p1.cal. Full path name of <I1>?	the side-effect do-PPG. DIR/WLS/1/scia_2907 1998_23371027g.egse_ltf.du.avg.cal.p1.cal	*) In DATA-DIR window (I1)
	cp <I1> ~/DATA-DIR/START-OF-CAL cp <I1>.log ~/DATA-DIR/START-OF-CAL ls -l ~/DATA-DIR/START-OF-CAL <I1> present? <I1>.log present?	(Y) / N (Y) / N	
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	300798A	See analysis sheet BackUp
Sign:	Name Date and time Signature	~~PA~~ Wendell Lynch 30-7-98 14^00	

*) Note: the *.p1.cal file contains dark-current ~~and~~ subtracted

START-OF-CAL

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 30 07 98	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`./mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		(Y) / N
		
		Y ? N
		
		(Y) / N	

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

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

machine dpdez0

Instruction printed in master map

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

A. Bos niet gedaan

(Y) / N

Sign:		
	Name	Marion
	Date and time	300798 19:05 UTC
	Signature	M. Stoop

WLS

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Marion Stoppelenburg 30-07-98	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	~~`./`~~`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function ~~`./`~~`mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		(Y) / N
		
		(Y) ? N
		
		(Y) / N	

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

Instructions are printed out in master map.

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

machine: tpdez0

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

A. Bos niet gedaan

(Y) / N

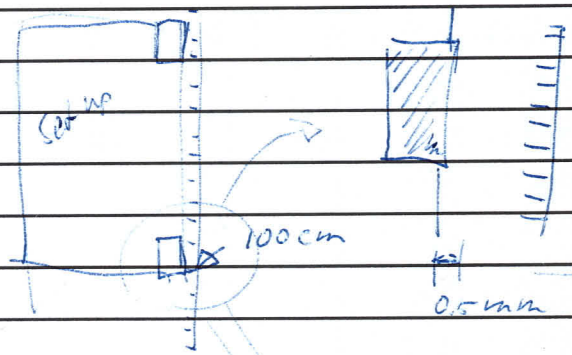
Sign:

Name: Marion

Date and time: 30-7-98 19:10

Signature: M. Stopp

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30/7/98 2 05	Absolute radiance stimulator set up infront of NADIR port.	
	* Spectralon plate mounted	
	* FEL Lamp F455 mounted	
	* complete setup aligned at 100 cm (ruler on floor)	
	* current supply and zero flux switched on at 02 h 05	
	 After careful alignment the ruler and alignment foot overlapped ~ 0.5 mm	
	111 V 8.200,3 A	
	* 3h25 dark signal blocking placed (second part of CF)	
	* black housing around FEL lamp is not warm	

Formal Run of Measurement

(Measurement ID) Gen_Nadir

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run		(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	33									
Repetitions	10									

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	1	64						
4	0.5	64						
5	0.5	64						
6	0.125	64						
7	0.5	64						
8	1	64						
State ID								

Stop
2-4 1° mod.
UID 22

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 ~~33~~ 36 22
Remark	
Data Directory	02.1_01.07.14_GEN_NADIR

Signatures

	Date	Signature
Issued	29-7	M. [signature]
< Performed	30-7	[signature]

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
30-7	Remarks with respect to Nadir_radiance	
	0211_01.07.14_Gen_Nadir	
team1	- Dark average DU1 call seems quit high tiypical	
14.20	10 % of the measurement RUN avg.cal	
(utc)	Dark averge also shows etalon.	
	conclusion: internal reflection in the box	
	for radiance measurement.	
	- temperatures acoording to low temp. settings	
	within 0,5 deg	
	- p1 en p2 ~~van~~ as result from do-radiance	
	seems strange	

Nadir radiance MD: this analysis is trash 2

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Erik Z.	
	Date:	30/7/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	0211-01.07.14.GEN (A) NADIR	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	0 (B)	
	New directory: `mkdir <B+1>` `ls -l`		
	What's now the highest number in directory? <C> should be <B> + 1	1 (C) Y / N	
	directory name is:	`~/DATA-DIR/RAD-NADIR/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	scia-30071998_0110295 (D) 8q.egse_ltf	
	<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`		In DATA-DIR window
	size:	1259q8	should be approx 150Kb

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

size: 145998 — should be approx 150Kb

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

Print postscript

hp 6 mp

Print postscript files:
`lpr -P<printer> *.ps`
Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: Y / (N) Expected : not real dark signal but "background"
Contents light file `*ru*.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

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

Radiance processing

Not done yet 30/7/98 04h30

Run radiance

`idl do_radiance` — In IDL window

Check radiance

`ls -l * | more` — In DATA-DIR window

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

Nadir radiance

	Size of file `<D>.du*.avg.cal.p2.cal`	145.998
Check radiance visually	`lpr -P<printer> *.p[12].*.cal.ps`	
	Value of P1 and P2 file resemble white light source?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.p[12].cal.log`	
	Add logfiles to logbook, done	Y / N

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

Sign:	Name _____	
	Date and time _____	
	Signature _____	

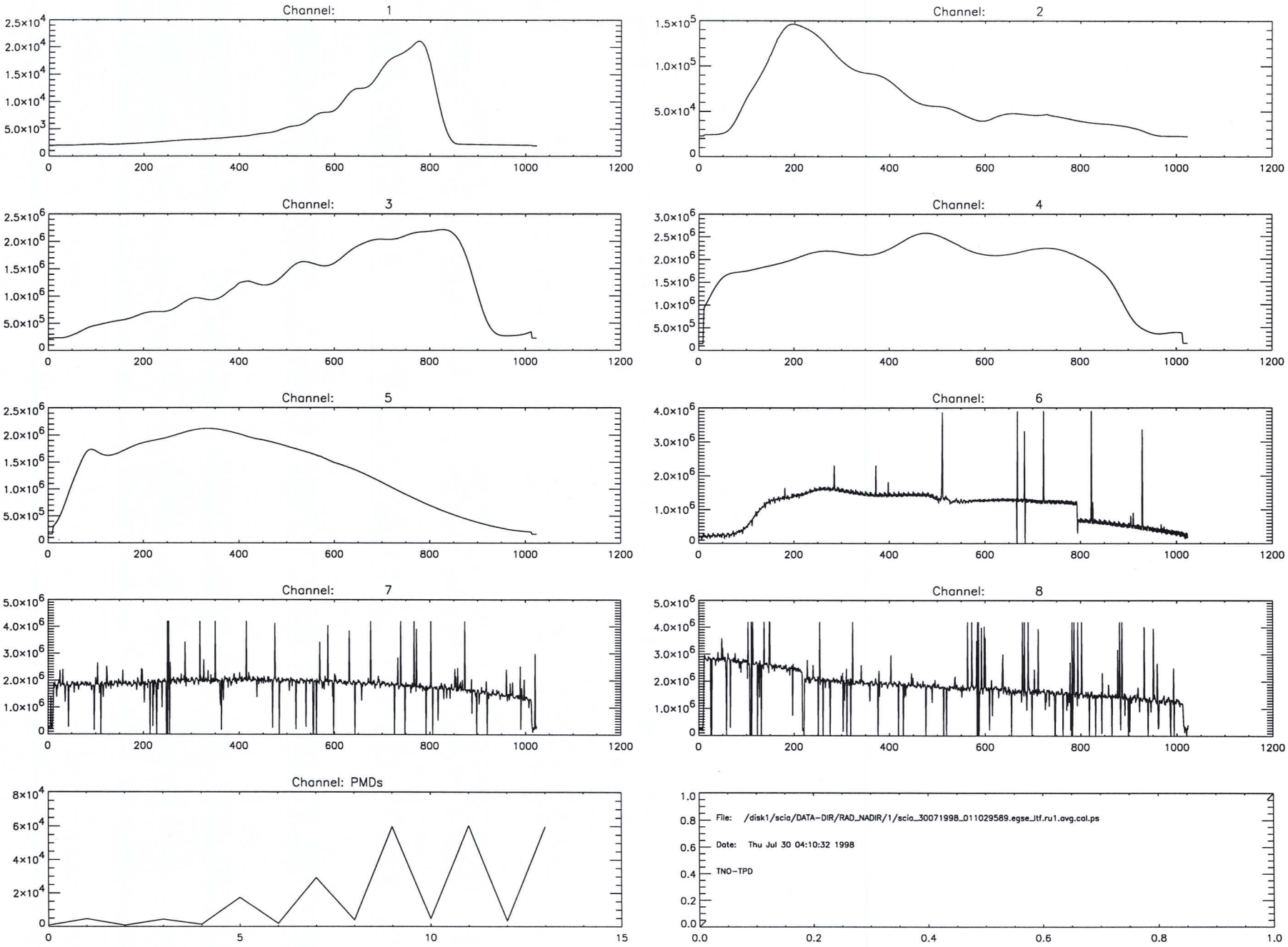
Not done yet
30/7/98 04:30

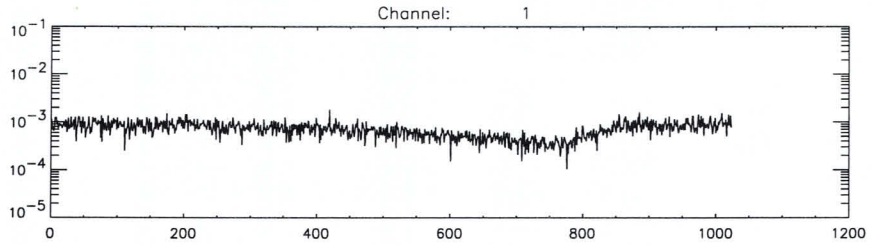
Nadir radiance

	Size of file `<D>.du*.avg.cal.p2.cal`	145.998
Check radiance visually	`lpr -P<printer> *.p[12].*.cal.ps` Value of P1 and P2 file resemble white light source?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.p[12].cal.log`	
	Add logfiles to logbook, done	Y / N
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).	See analysis sheet BackUp
	Name of backup CDs	
Sign:	Name	
	Date and time	
	Signature	

Not done yet
30/7/98 04:30

5


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps
Date: Thu Jul 30 04:10:32 1998
TNO-TPD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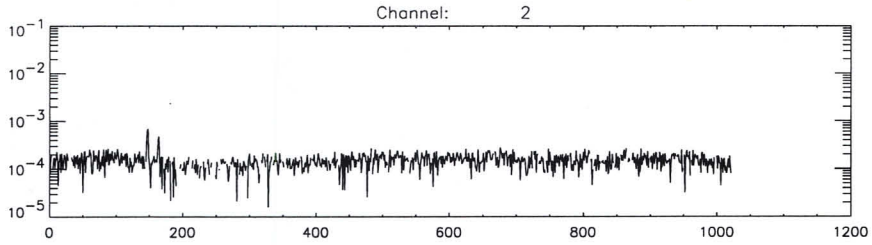
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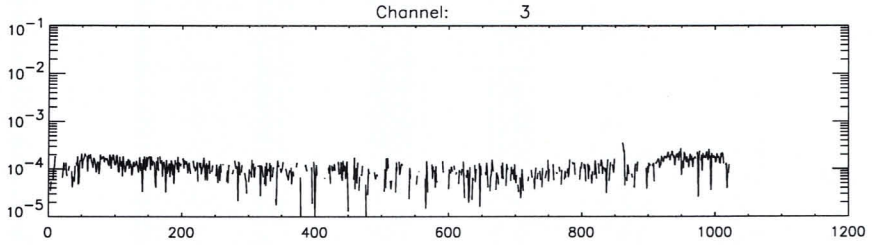
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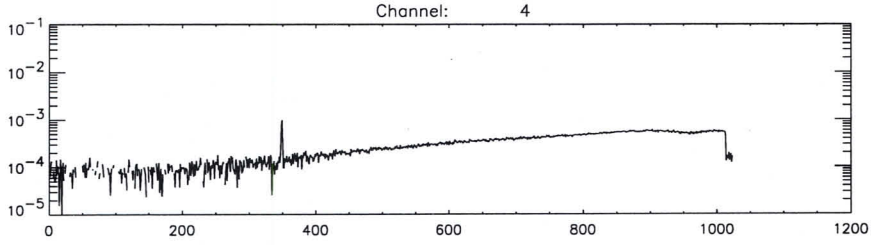
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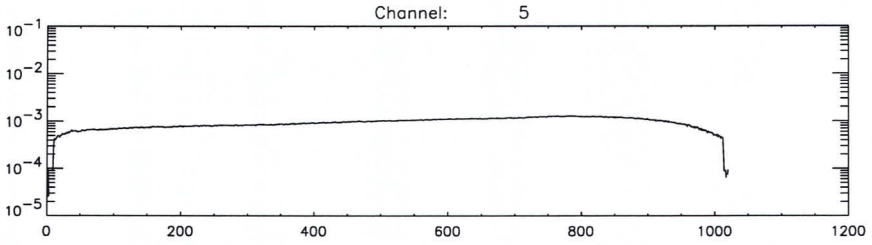
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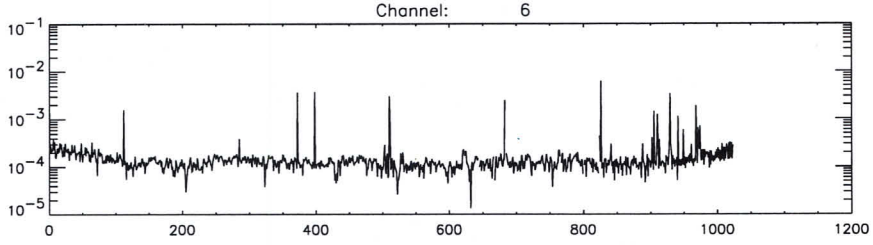
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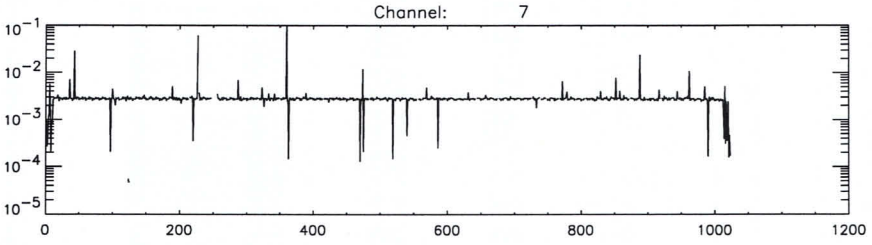
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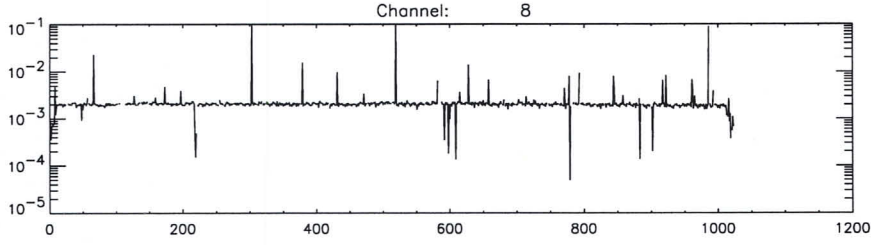
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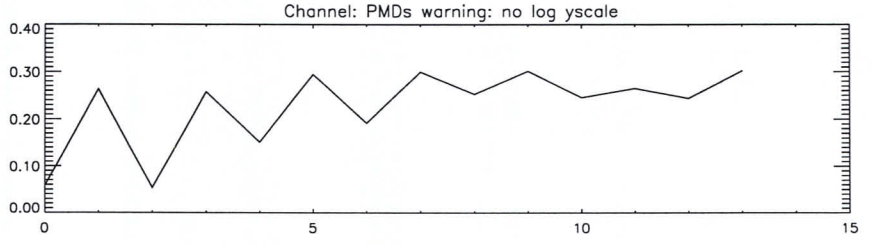
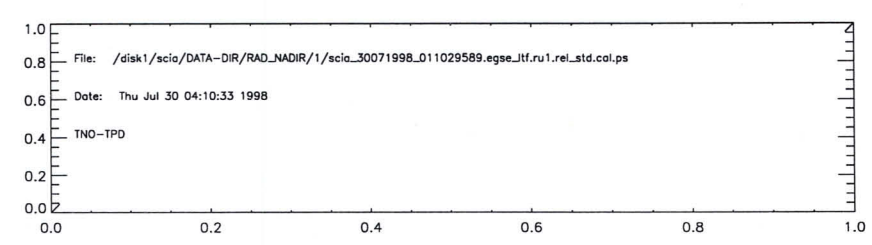
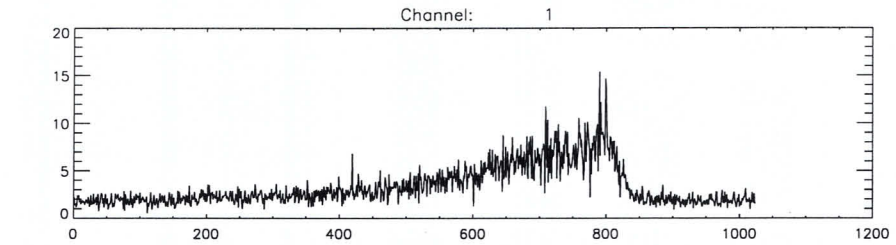

Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps
Date: Thu Jul 30 04:10:33 1998
TNO-TPD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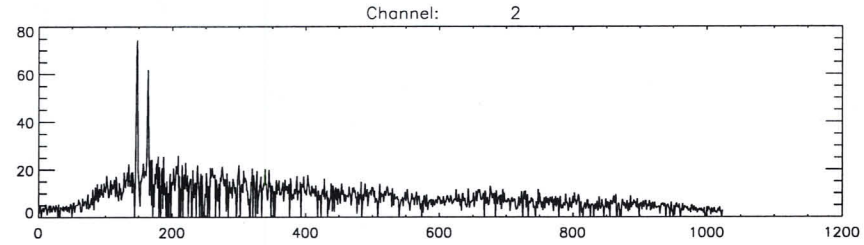
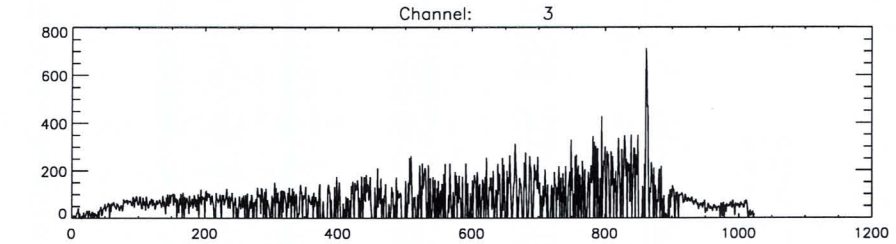

Channel: 2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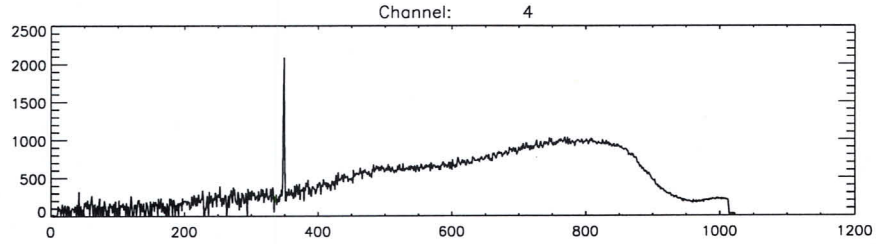
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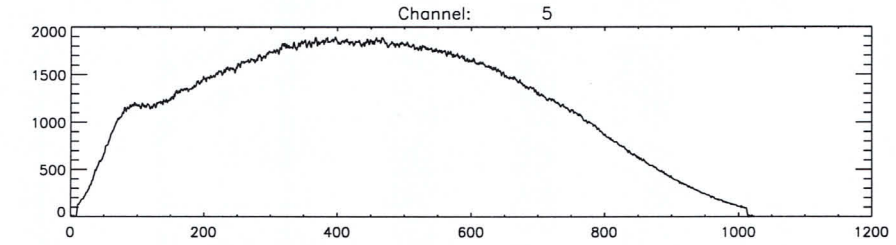
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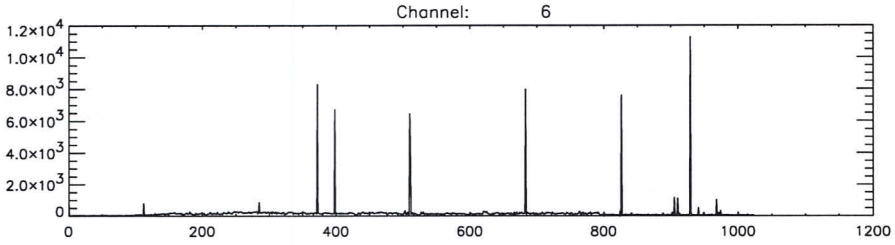
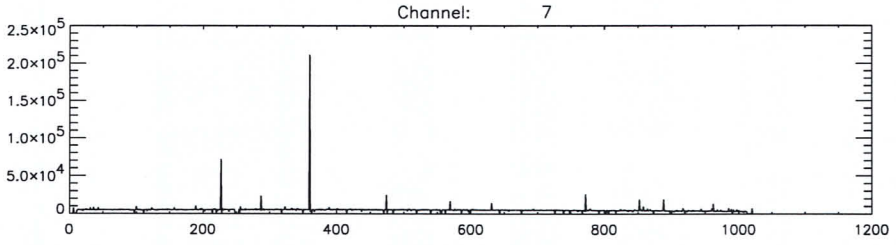

Channel: 6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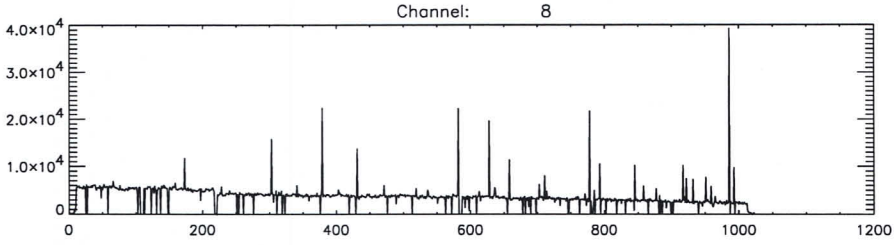
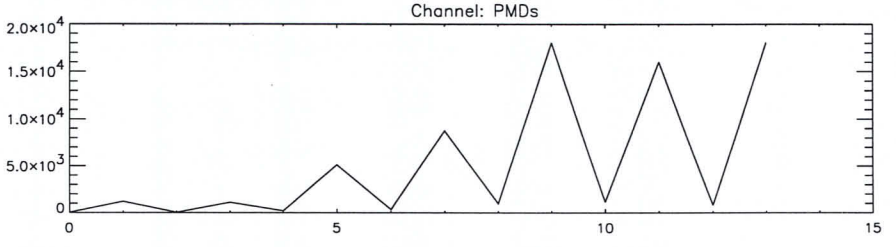
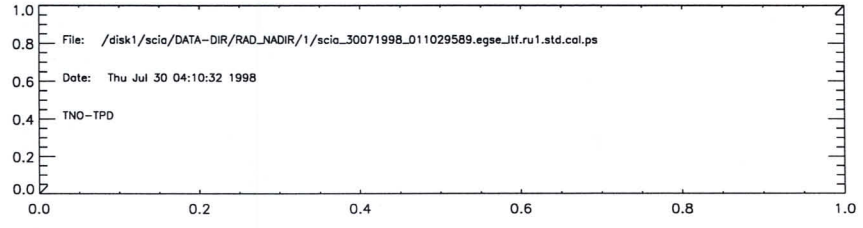
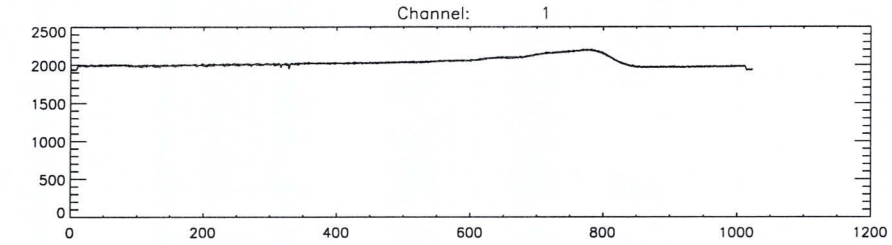
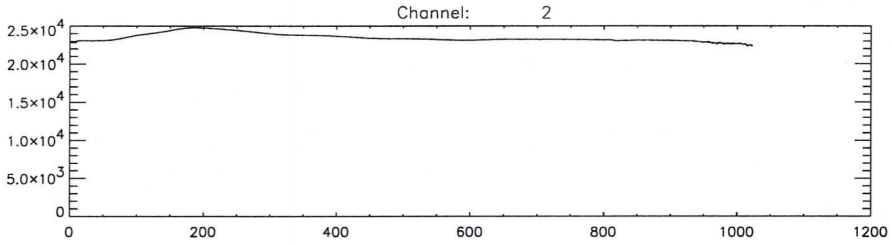

Channel: 8

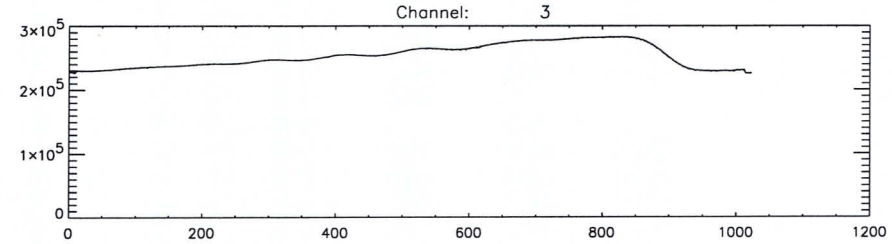

Channel: PMDs

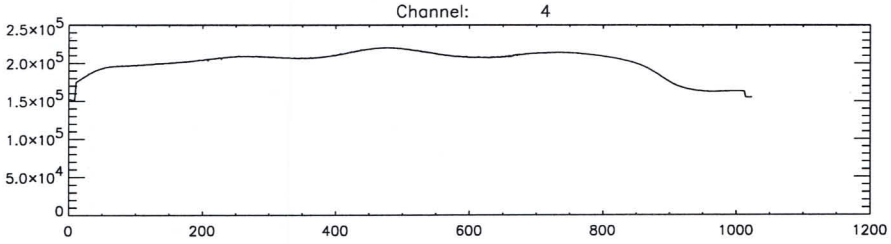

File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_ltf.ru1.std.col.ps
Date: Thu Jul 30 04:10:32 1998
TNO-TPD

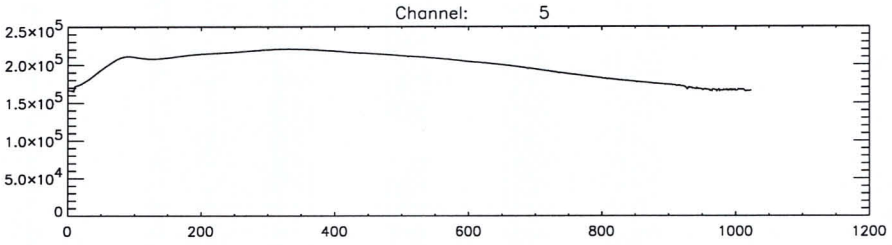
"Dark" signal when direct light on diffuser is blocked

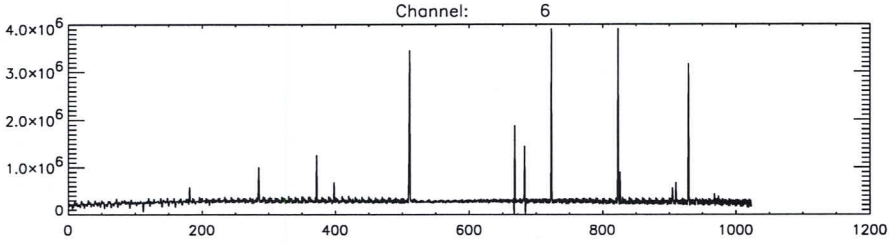


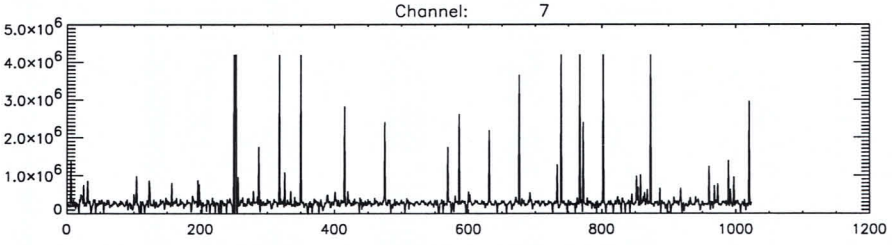


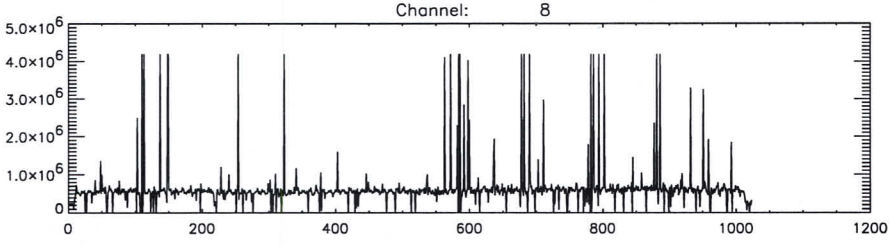


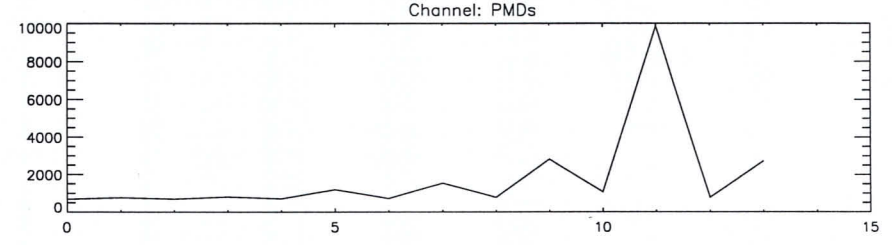


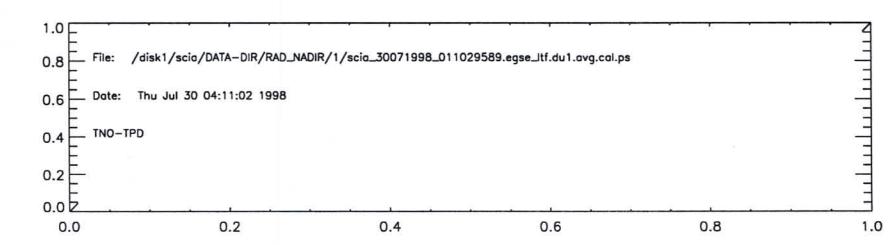


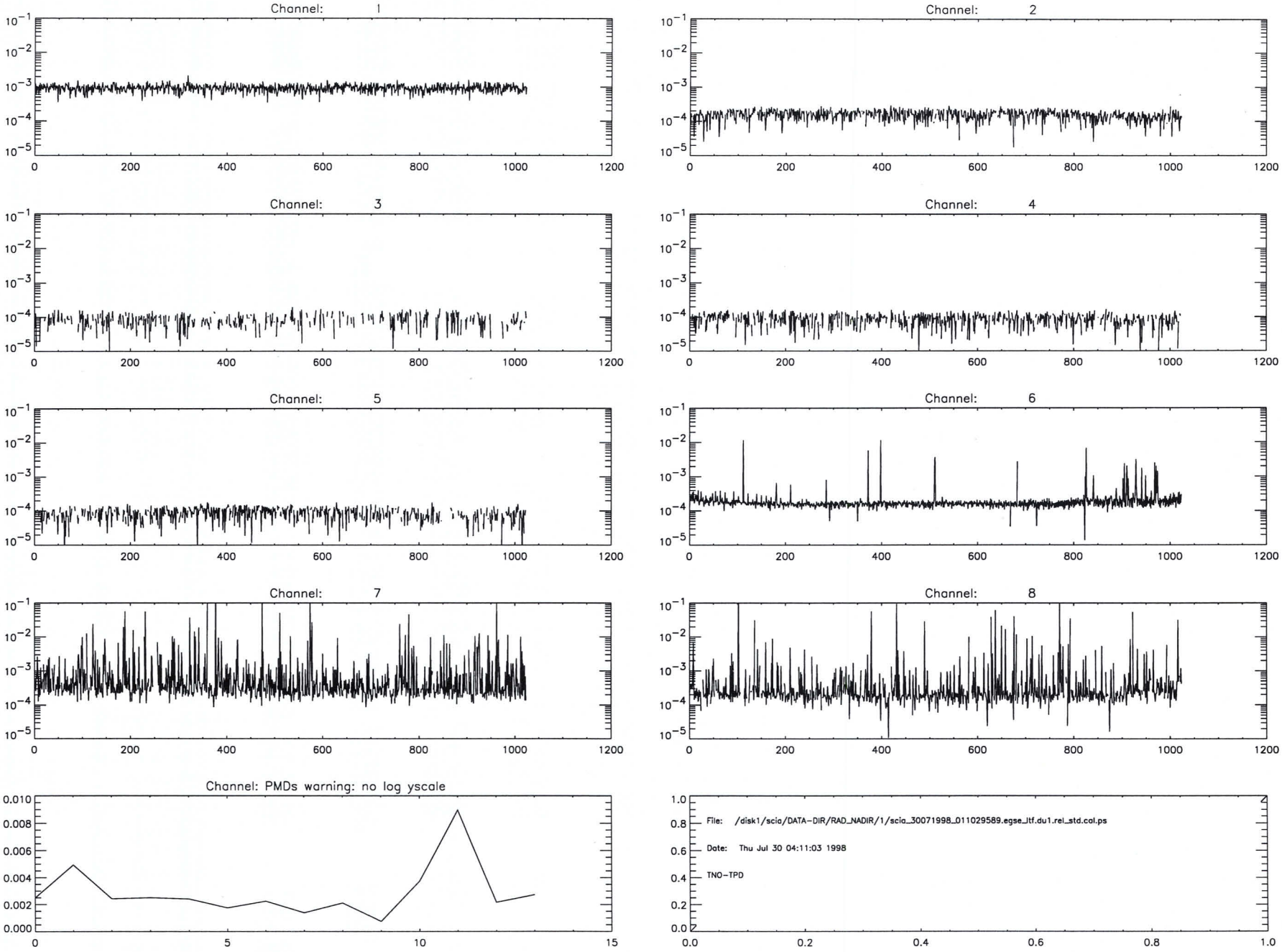


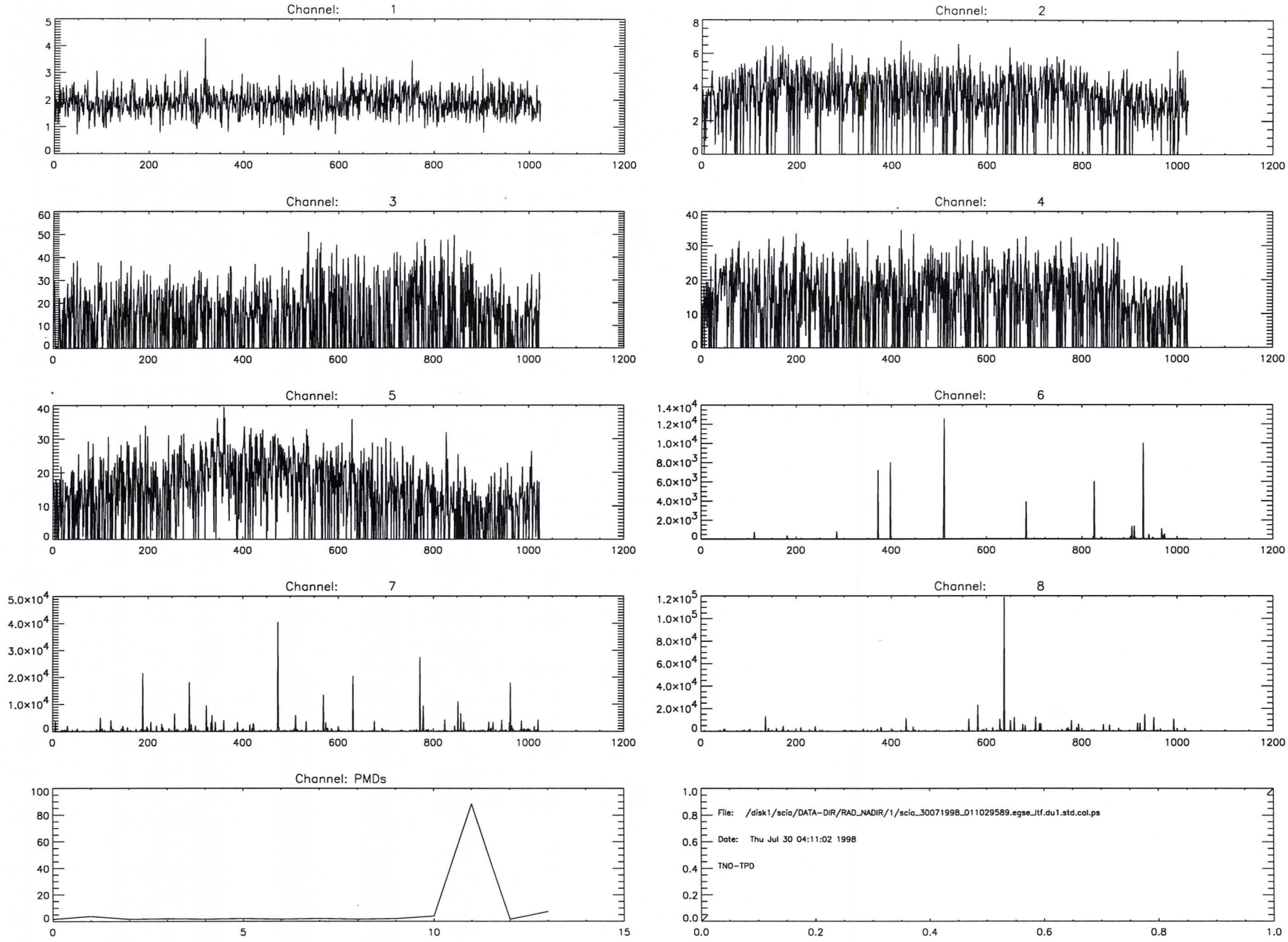


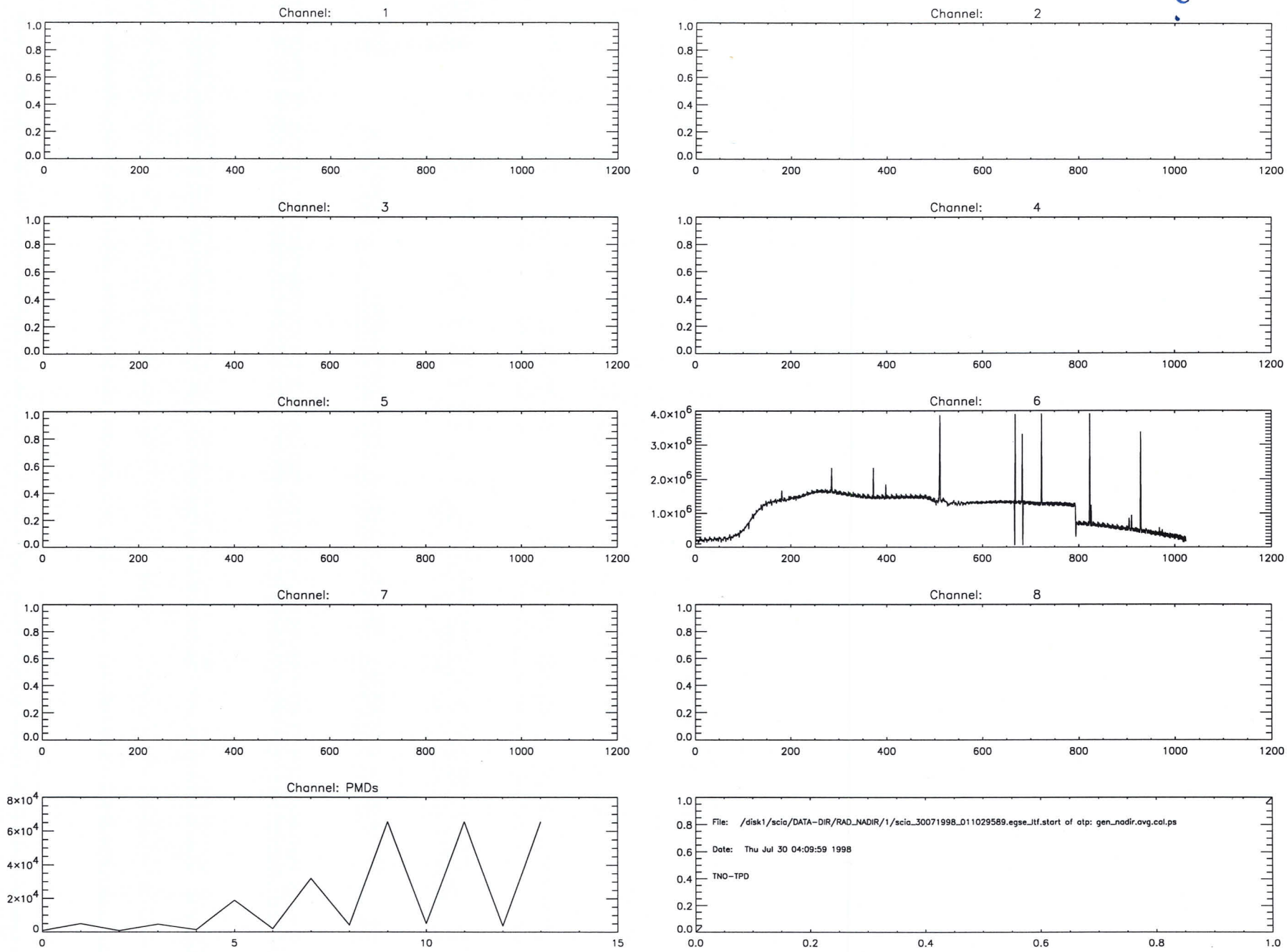


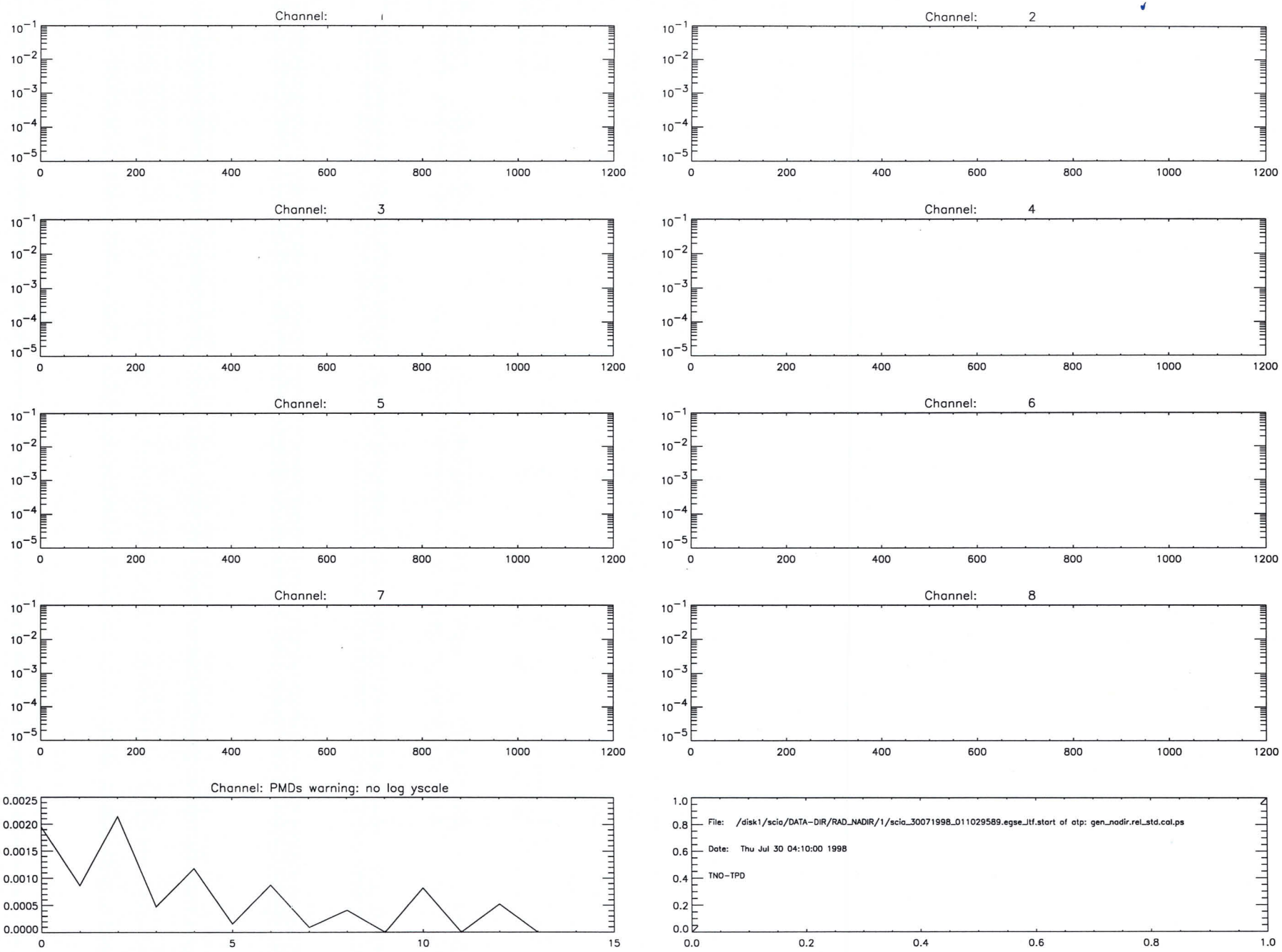


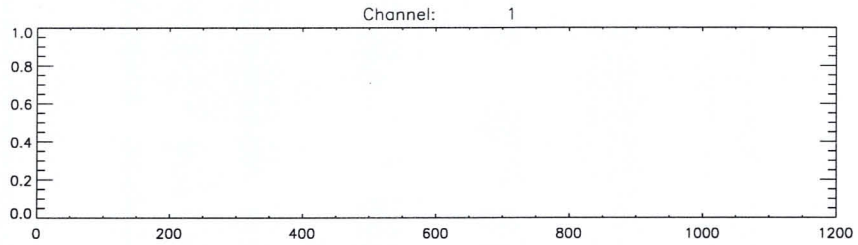


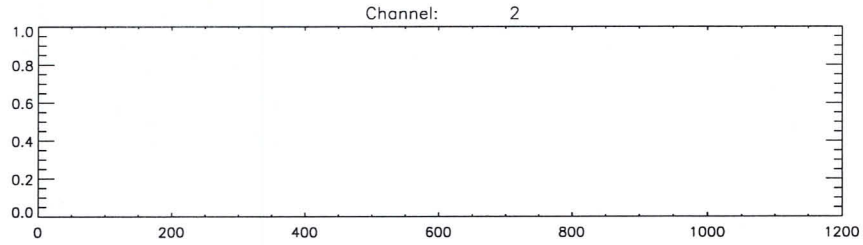

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_itf.du1.rel_std.cal.ps
Date: Thu Jul 30 04:11:03 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_itf.du1.std.cal.ps
Date: Thu Jul 30 04:11:02 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/RAD_NADIR/1/scia_30071998_011029589.egse_itf.start of atp: gen_nadir.avg.cal.ps
Date: Thu Jul 30 04:09:59 1998
TNO-TPD


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_itf.start of atp: gen_nadir.rel_std.cal.ps
Date: Thu Jul 30 04:10:00 1998
TNO-TPD


Channel: 1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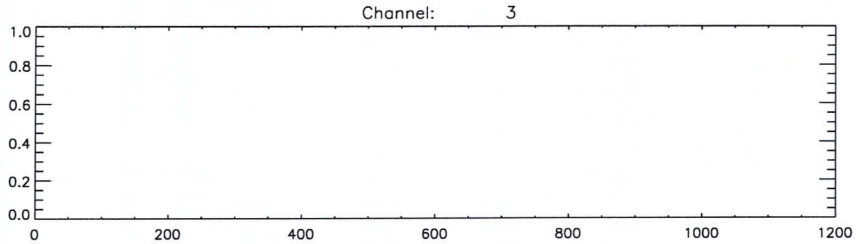
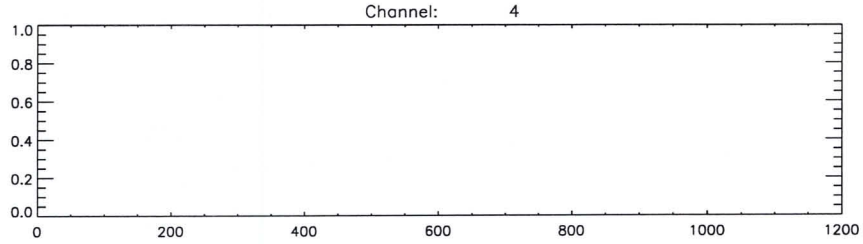
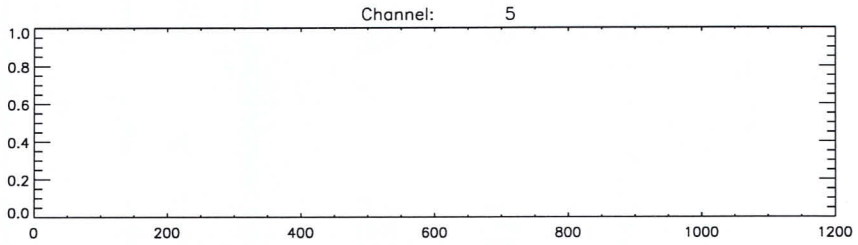
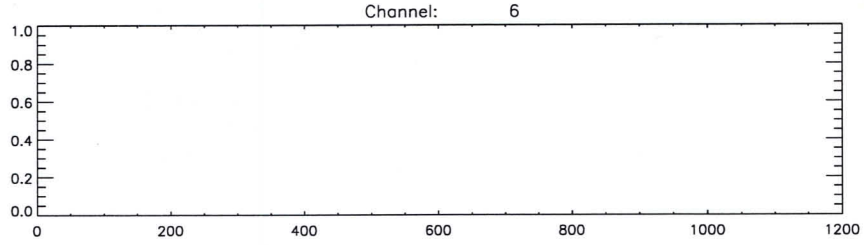
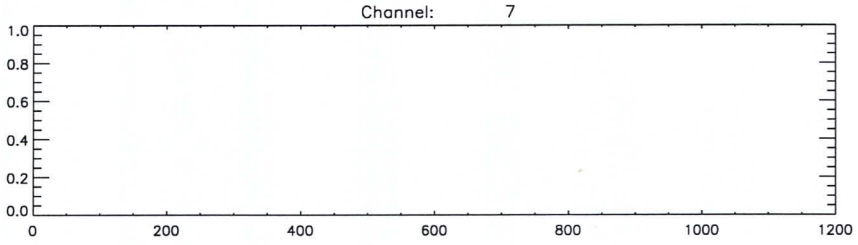
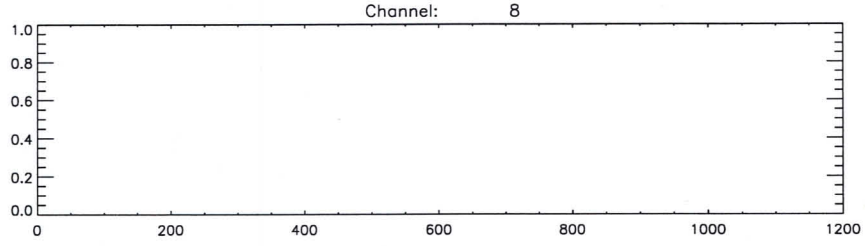

Channel: 3

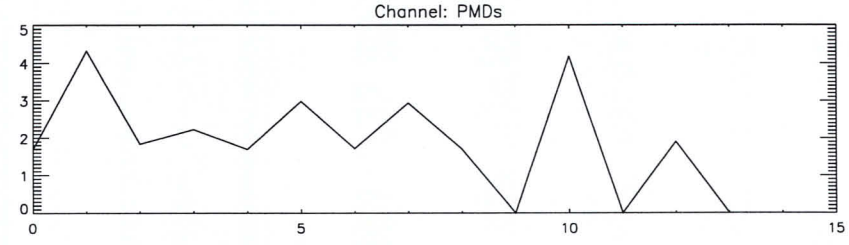

Channel: 4

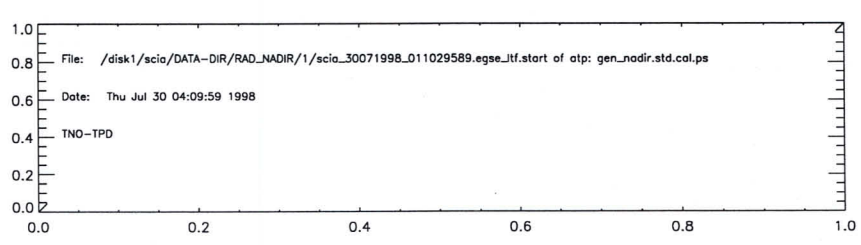

Channel: 5

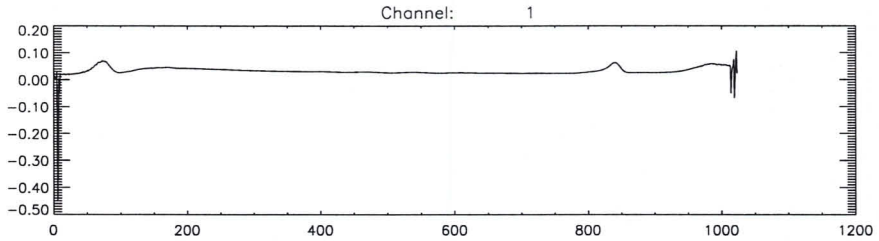

Channel: 6

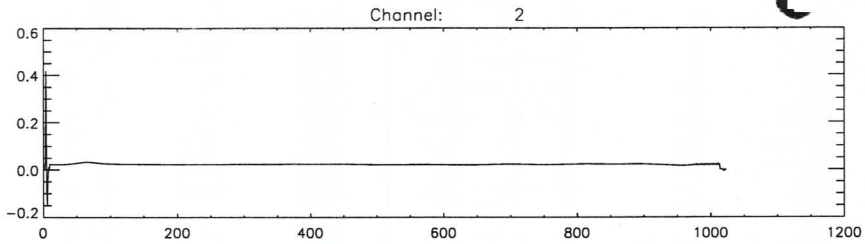

Channel: 7

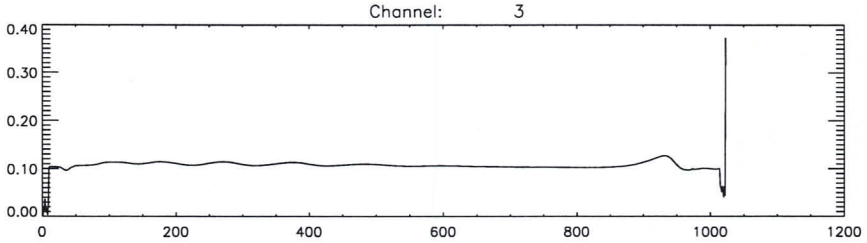

Channel: 8

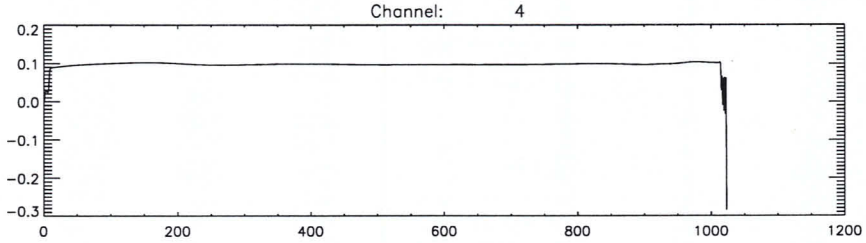

Channel: PMDs

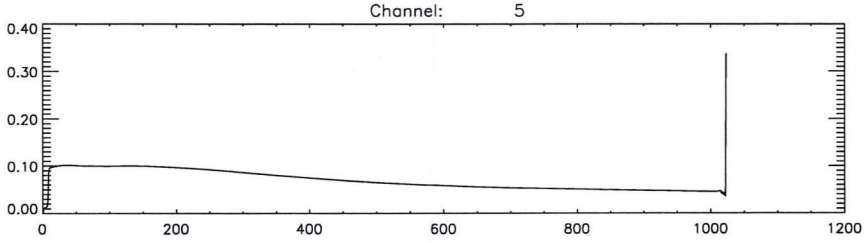

File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_itf.start of atp: gen_nadir.std.cal.ps
Date: Thu Jul 30 04:09:59 1998
TNO-TPD

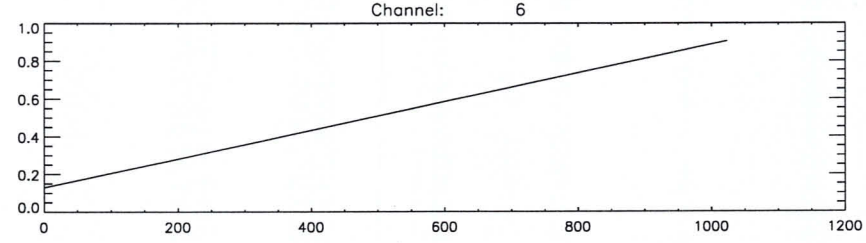

Channel: 1
0.20
0.10
0.00
−0.10
−0.20
−0.30
−0.40
−0.50
0
200
400
600
800
1000
1200

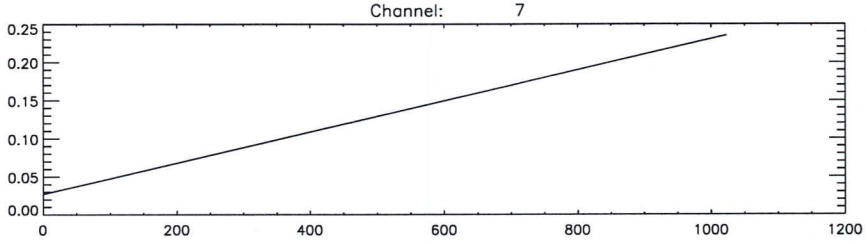

Channel: 2
0.6
0.4
0.2
0.0
−0.2
0
200
400
600
800
1000
1200

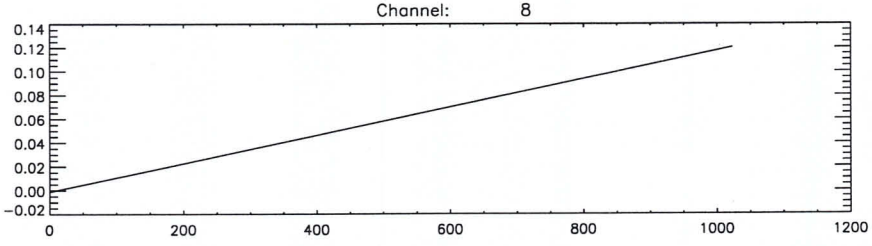

Channel: 3
0.40
0.30
0.20
0.10
0.00
0
200
400
600
800
1000
1200


Channel: 4
0.2
0.1
0.0
−0.1
−0.2
−0.3
0
200
400
600
800
1000
1200


Channel: 5
0.40
0.30
0.20
0.10
0.00
0
200
400
600
800
1000
1200


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


Channel: 7
0.25
0.20
0.15
0.10
0.05
0.00
0
200
400
600
800
1000
1200


Channel: 8
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−0.02
0
200
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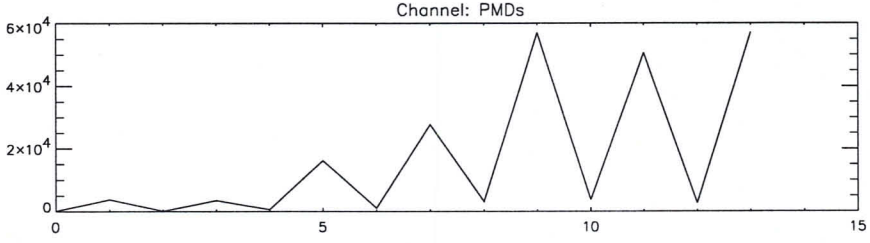
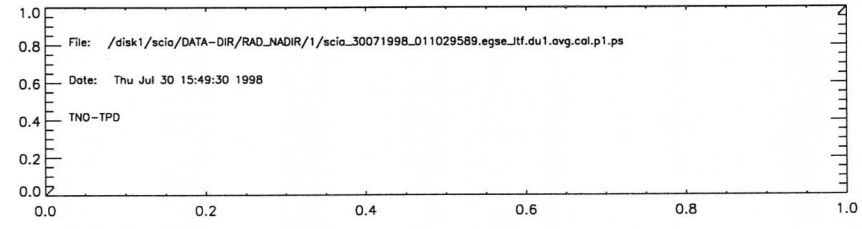
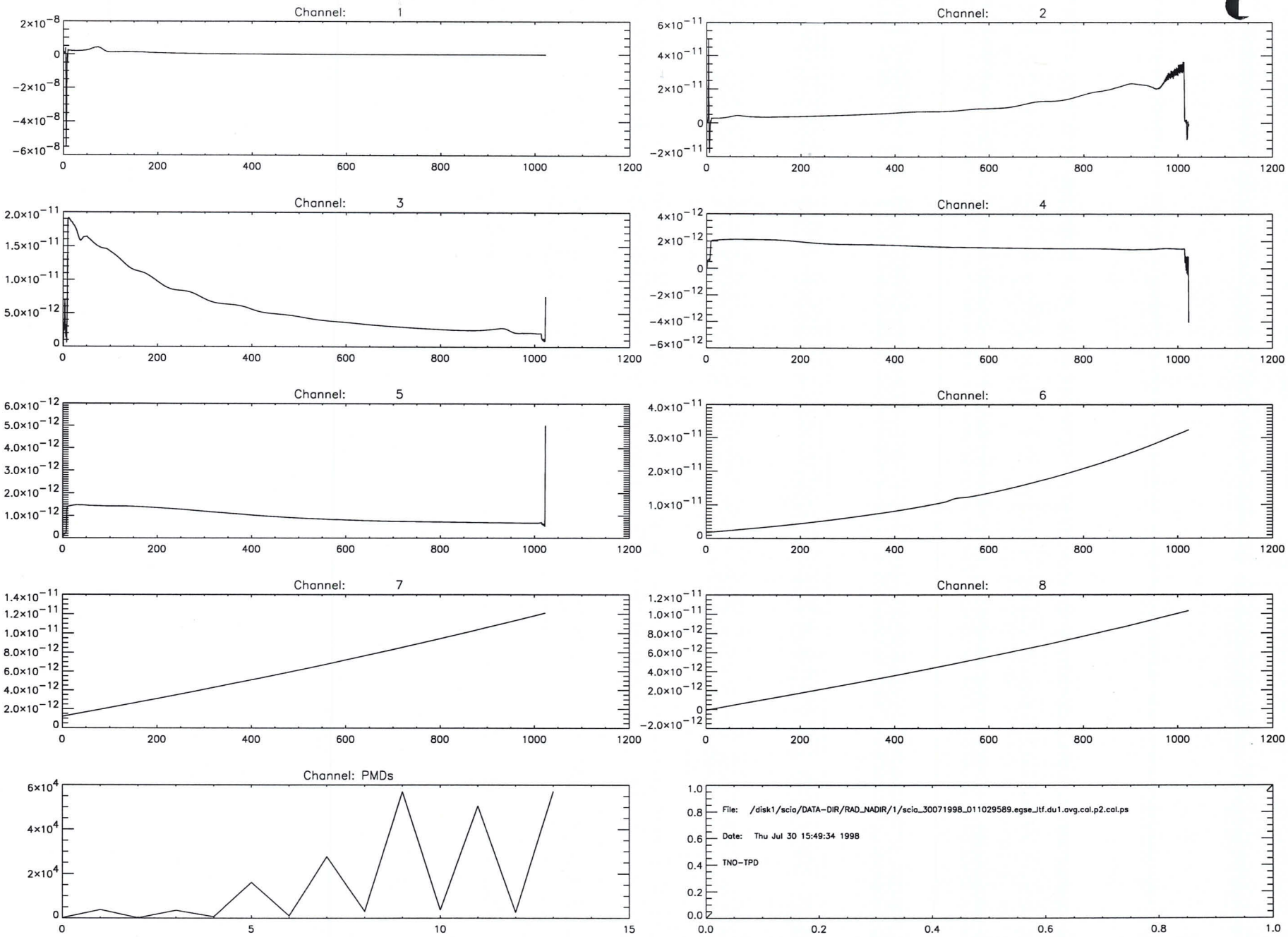
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/RAD_NADIR/1/scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.ps
Date: Thu Jul 30 15:49:30 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/RAD_NADIR/1/scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Thu Jul 30 15:49:34 1998
TNO-TPD

```
time       = Thu Jul 30 04:11:03 1998
batch      = du1
Start TOD  = Thu 30-Jul-98 01:26:55
End   TOD  = Thu 30-Jul-98 01:38:45
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 04:10:33 1998
batch      = ru1
Start TOD  = Thu 30-Jul-98 01:10:40
End   TOD  = Thu 30-Jul-98 01:26:55
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 04:10:00 1998
batch      = start of atp: gen_nadir
Start TOD  = Thu 30-Jul-98 01:10:32
End   TOD  = Thu 30-Jul-98 01:10:40
Processing= computation of average, standard dev. and rel.standard dev.
```

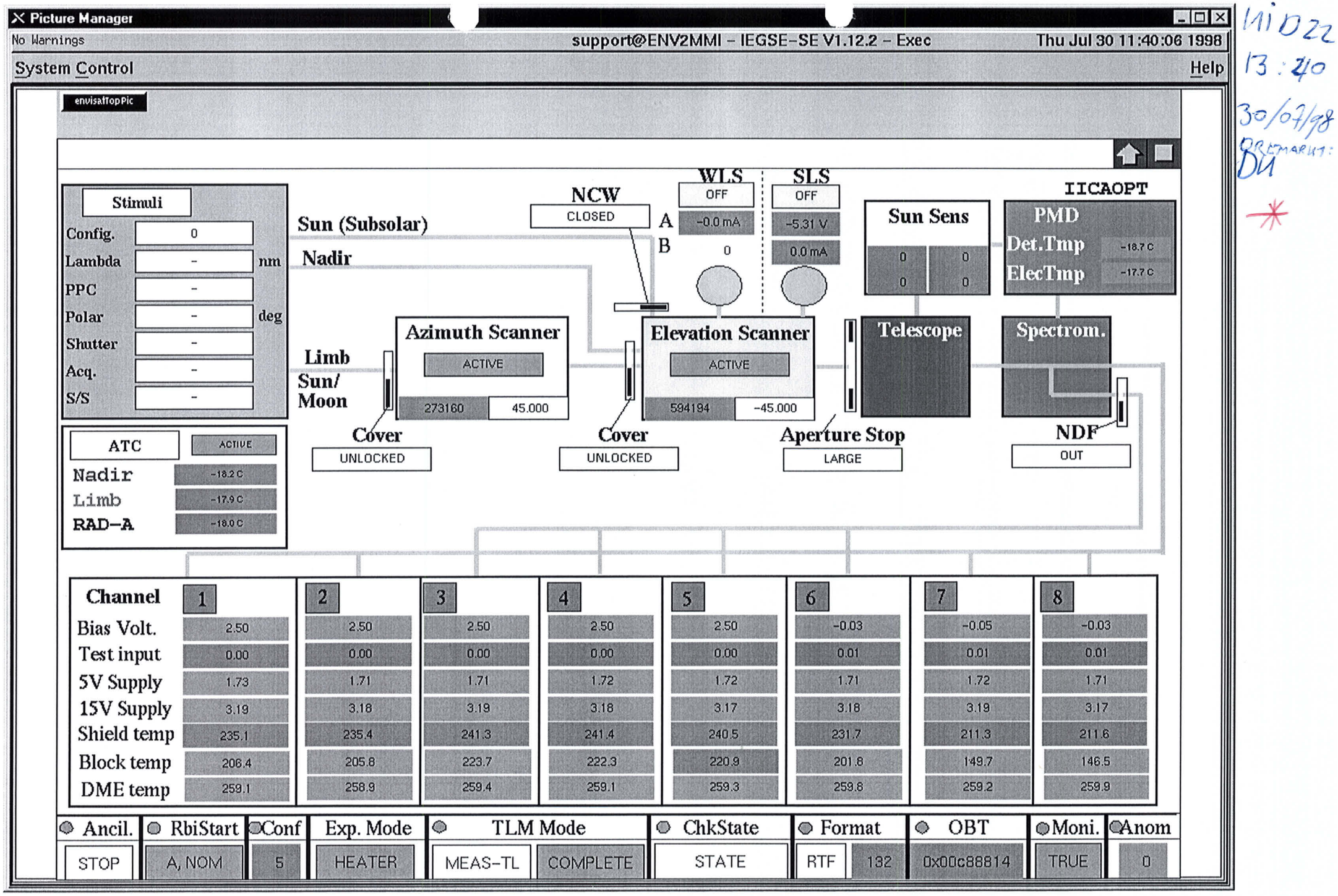
Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

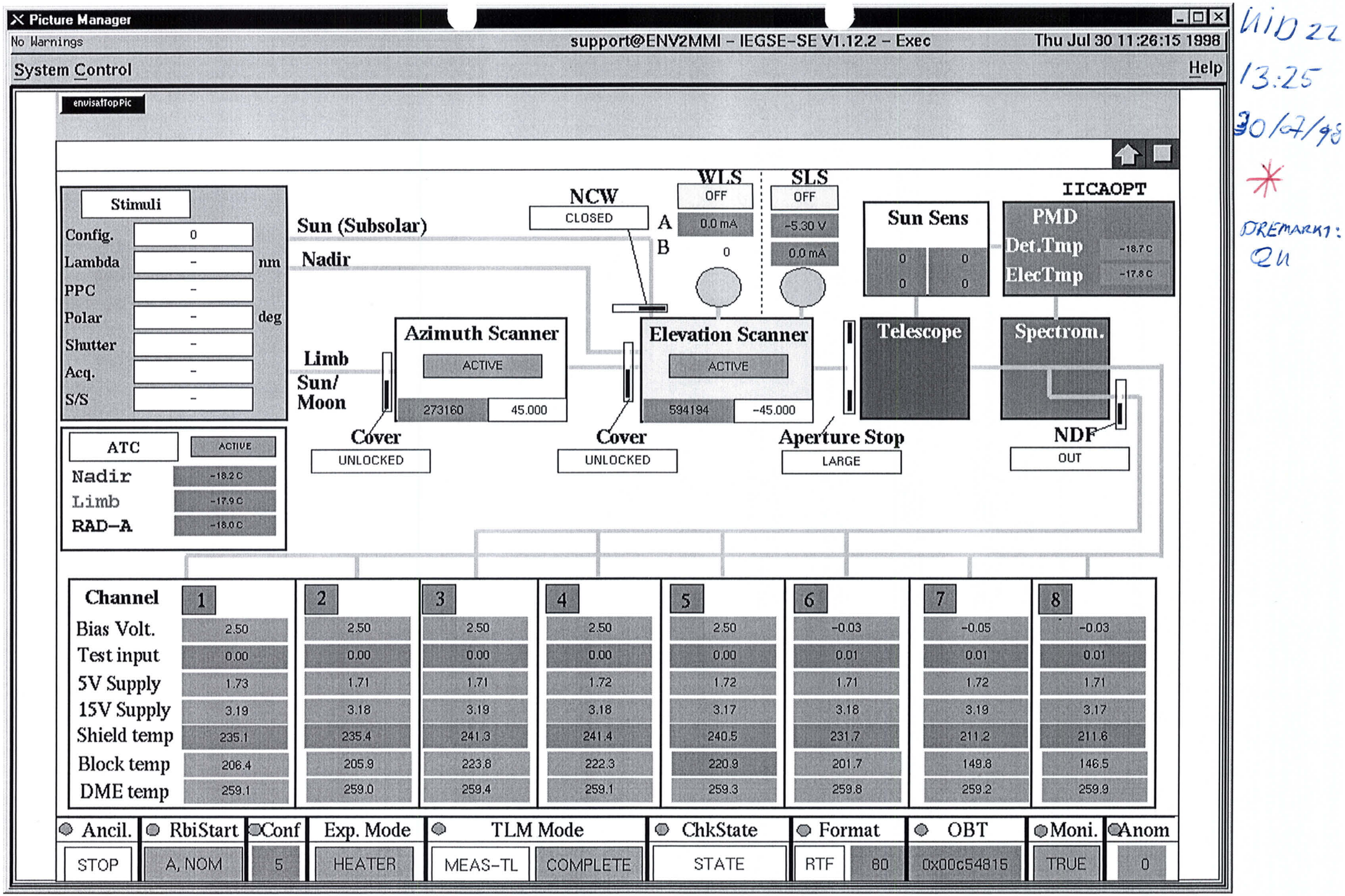
date/time	description of action	measuremement filename
30-7 / 6.00	overdracht team 1 – 5	
	nog te doen analyse. 2-5 UID 35 afronden.	
7.30	Formal Run Measurement ingevuld (FRM) Stap 2-4 2e maal.	
7.40	Dan uit lijnen. voor repro test.	
8.05	FEL LAMP AAN	
8.20	UID 22 2e keer gestart	
8.25	UID 22 gestopt wegens defect aan FEL lamp. (zie FEL logsheet!)	
	Weerstand lamp gewijzigd 110,7 V bij 82000 A ≠ 1000 W	
	Om risico's te beperken (nog maar 1 FEL calibratie lamp) andere	
	manier om shutter er in te zetten gemaakt (4 uur werk) → met scharnier	
	van onder uit te bedienen zonder platen te verwijderen. → idee is	
	dat er minder (geen) schokken komen tijdens het aanzijn van de FEL	
	lamp. electrodac aangebracht + uitgestookt op 80°C. 1 uur. →	
	(Hardleiding aangepast NIST cal rapport zegt ~110V (109,2)	
	(Low radiance manual zegt 120V 110V)	
1300	FEL LAMP IS ONS GOED. UID 22 zal opnieuw opgestart gaan worden.	
1310	LAMP AAN	
1325	meting UID 22 gestart, verlichting in cleanroom is nog aan, we gaan een	
(11.28 UTC)	2e meting doen met de verlichting uit, Bijbehorende	

temps hebben *.

Vanaf hier alles UTC tijd!



MiD22
13:40
30/07/98
OREMARKT:
DU
*

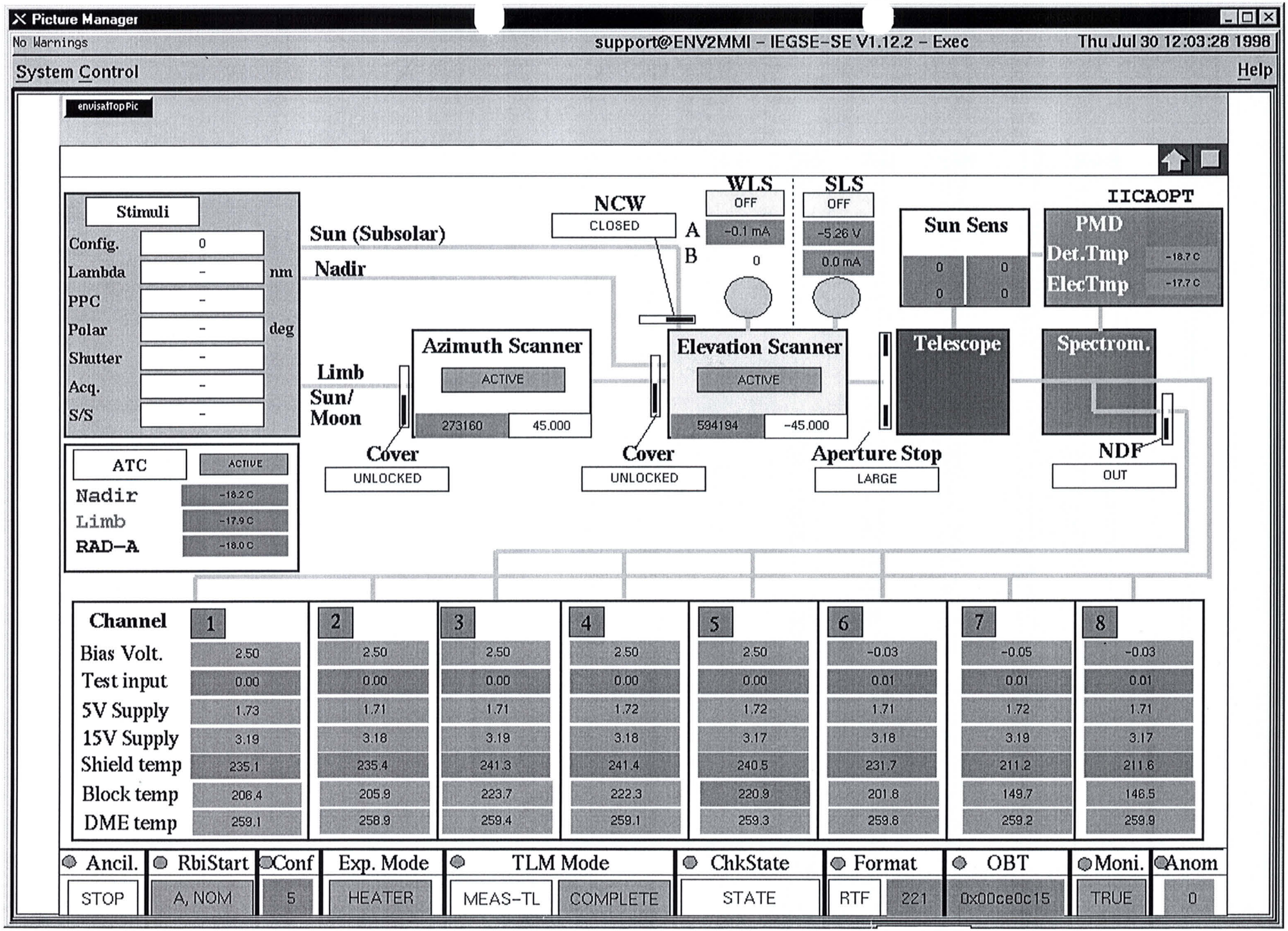


UID 22
13:25
30/07/98
*
DREMARK1:
QU

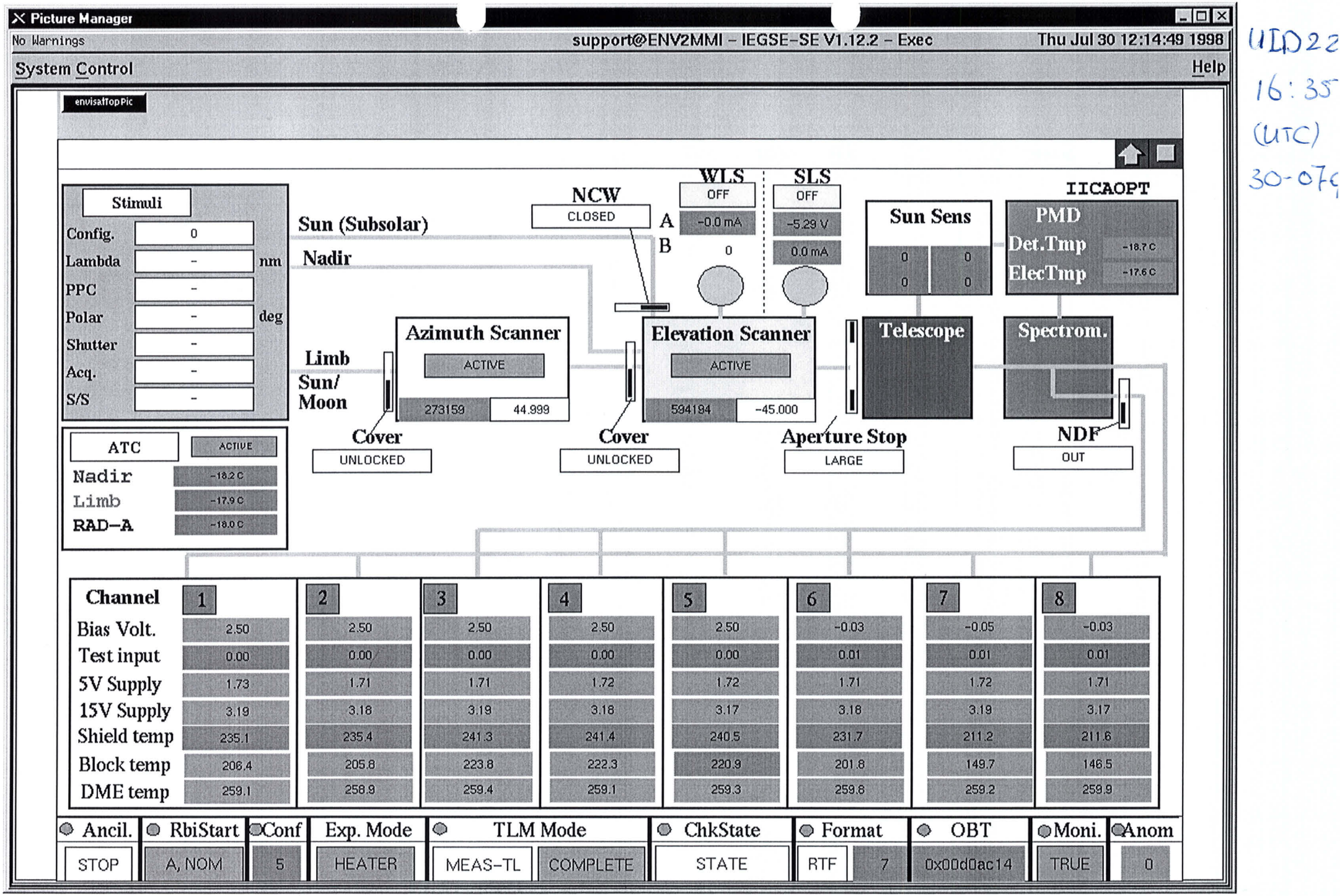
Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
11:50 UTC	NiD 22 AFGEKOND	
	FEL LAMP BLIJFT AAN	
	SHUTTER VERWIJDERD	
	LICHT IN CLEANROOM UIT	
1200 UTC	NiD 22 3e keer opgestart. bijbehorende temps hebben ☐.	
13:30 UTC	Overdracht aan schrift i / TrevorW ingelicht over temp instellen waarschijnlijk tijdens nacht/dag!?	



WID 22
12:10
30/07/98



UID 22
16:35
(UTC)
30-07-9

Formal Run of Measurement

(Measurement ID) Gen – Nadir.

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

Scanner Positions

CLEAN ROOM LICHT AAN

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	33									
Repetitions	10									

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	1	64						
4	0,5	64						
5	0,5	64						
6	0,125	64						
7	0,5	64						
8	1	64						
State ID								

Stap 2-4
2e maal.
UID 22.

30-7
Team 5
~~7.30~~
11.00 TC

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 22
Remark	
Data Directory	0211_11_00.41_GEN-NADIR

Signatures

	Date	Signature
Issued	30-7	
< Performed	30-7	

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Erik Z.	
	Date:	31/7/98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia-30071998-112431438.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; 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/RAD-NADIR/<C>` 3	(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`	5 error msg! unknown packet type 512 -301768429	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* re-done "ltf" re-done raw2ltf ⇒ 2 errors solan ⇒ 359 packets
	What's the name of the egse_ltf file	SOLAN → only 9 datapackets NO CHAN 1 en 2	(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`		In DATA-DIR window
	size:		should be approx 150Kb

	`ls -l *ru*.avg.cal`		
	size:	_____	should be approx 150Kb
	Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether DU, and IU 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 light file `*ru*.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	
	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	

Radiance processing			
Run radiance	`idl do_radiance`		In IDL window
Check radiance	`ls -l * | more`		In DATA-DIR window
	Size of file `<D>.du*.avg.cal.p1.cal`	_____	should be approx 150Kb

Size of file
<D>.du*.avg.cal.p2.cal _____

Check radiance visually

```
lpr -P<printer>
*.p[12].*.cal.ps
```

Value of P1 and P2 file resemble white light source? Y / N

Add postscript images to logbook, done Y / N

Print logfiles

```
lpr -P<printer>
*.p[12].cal.log
```

Add logfiles to logbook, done Y / N

* is niet noodzakelijk en foot moet zijn lpr -P hp6mp *.p1.cal.p

---

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 310798 A

Sign:

Name Erik B.

Date and time 31 07 98

Signature

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Zoutman 31/7/98	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`s_names`
	ls -l | more
	All file names of the form `f<digit>`?
	`lpr -P<printer> s_names l_names`
	Add output to log book, done?
		Y / N
		Y / N
		Y / N	

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

Instructions printed on masterwap

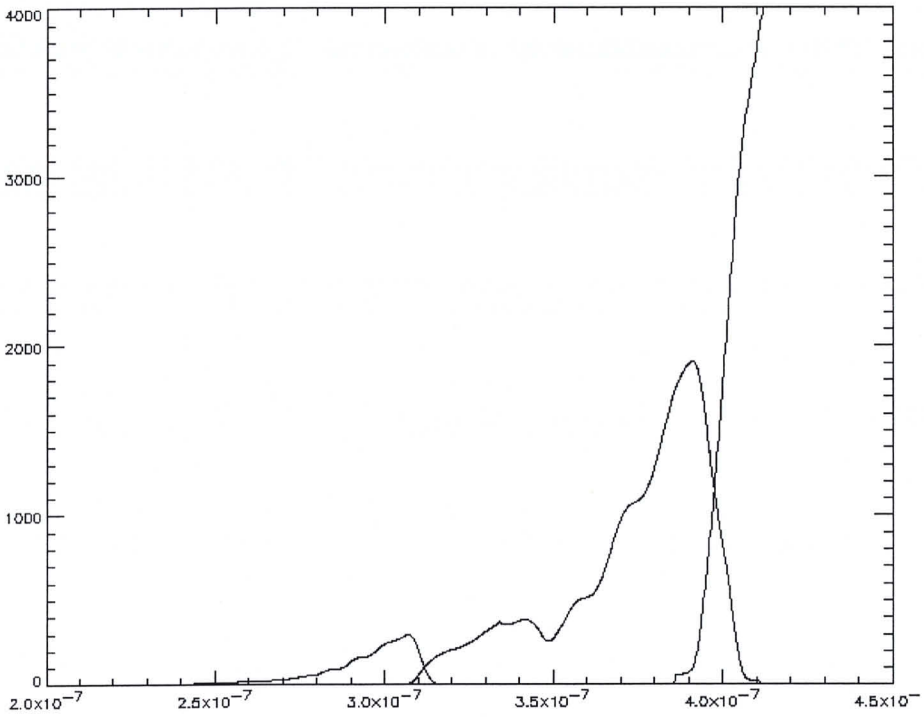
Copy to MOD (Follow instructions in file `/home/drz/DOC/MOD*`) Note, normally, you don't have to mount the MOD. dpdezo

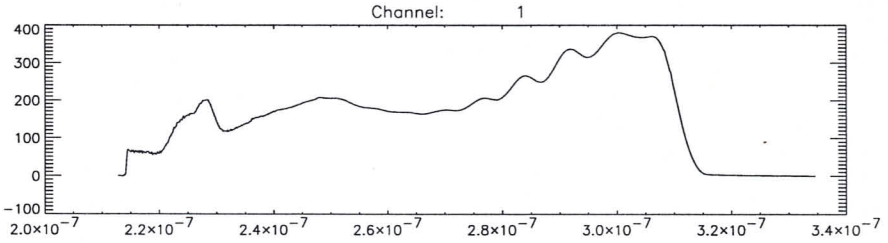
Copy contents of one CD (or via ftp) on the two other SUN workstations that are used for offline analysis, Done? Y/N

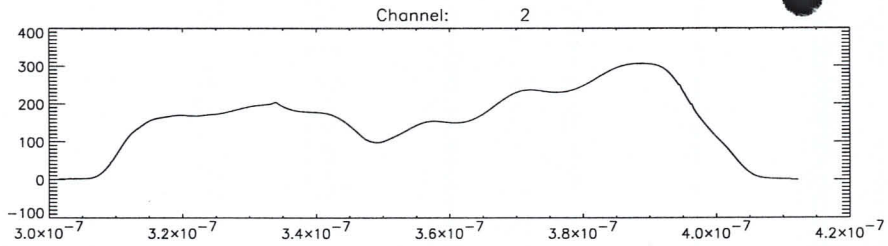
Sign:	Name	Erik Z.
	Date and time	31/7/98
	Signature	

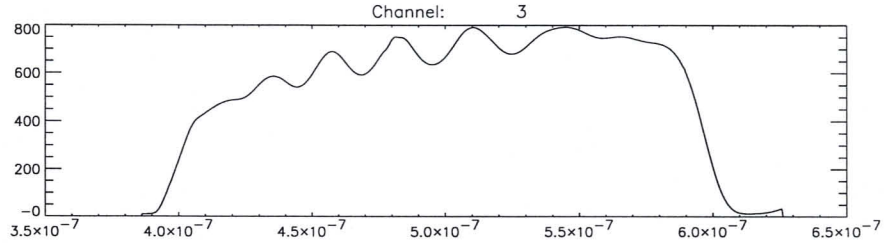
RAD_NADIR13

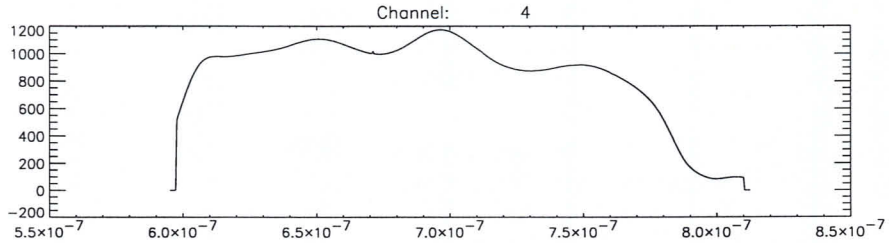
Normalized spectrum (~~dark~~ dark subtracted & divided by ref & co-add

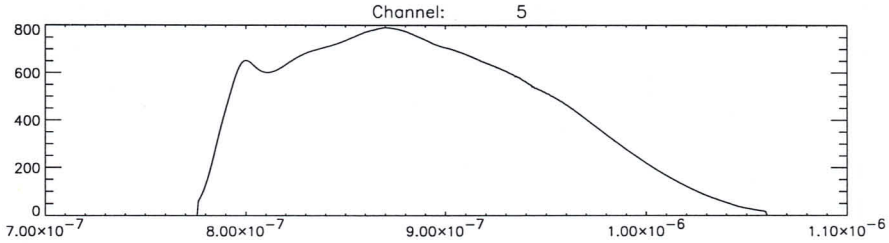


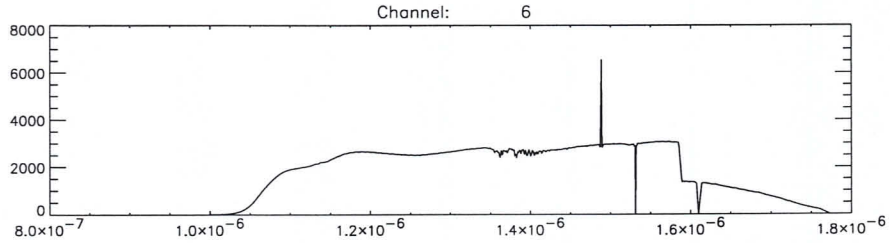


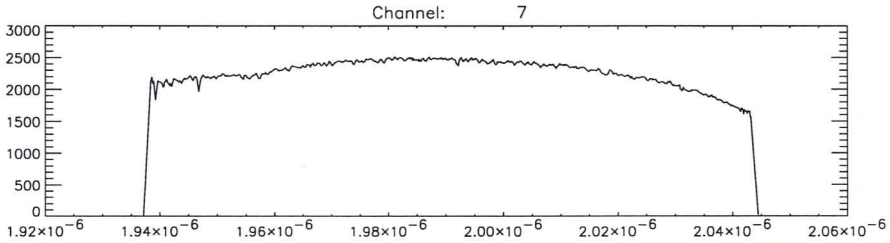


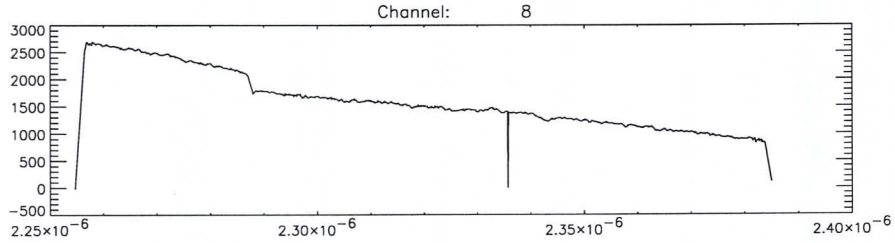


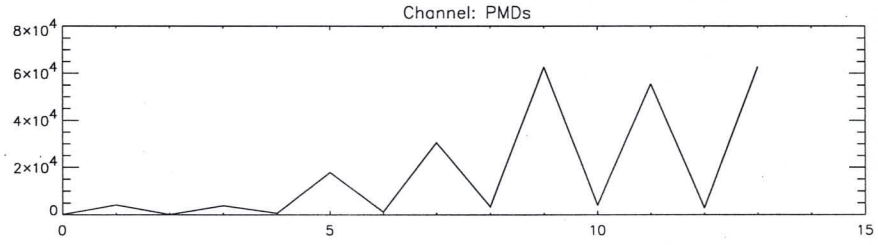


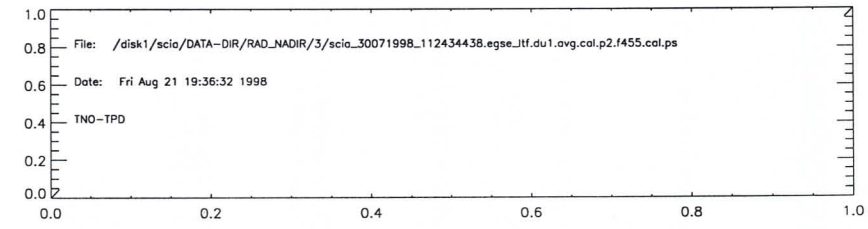




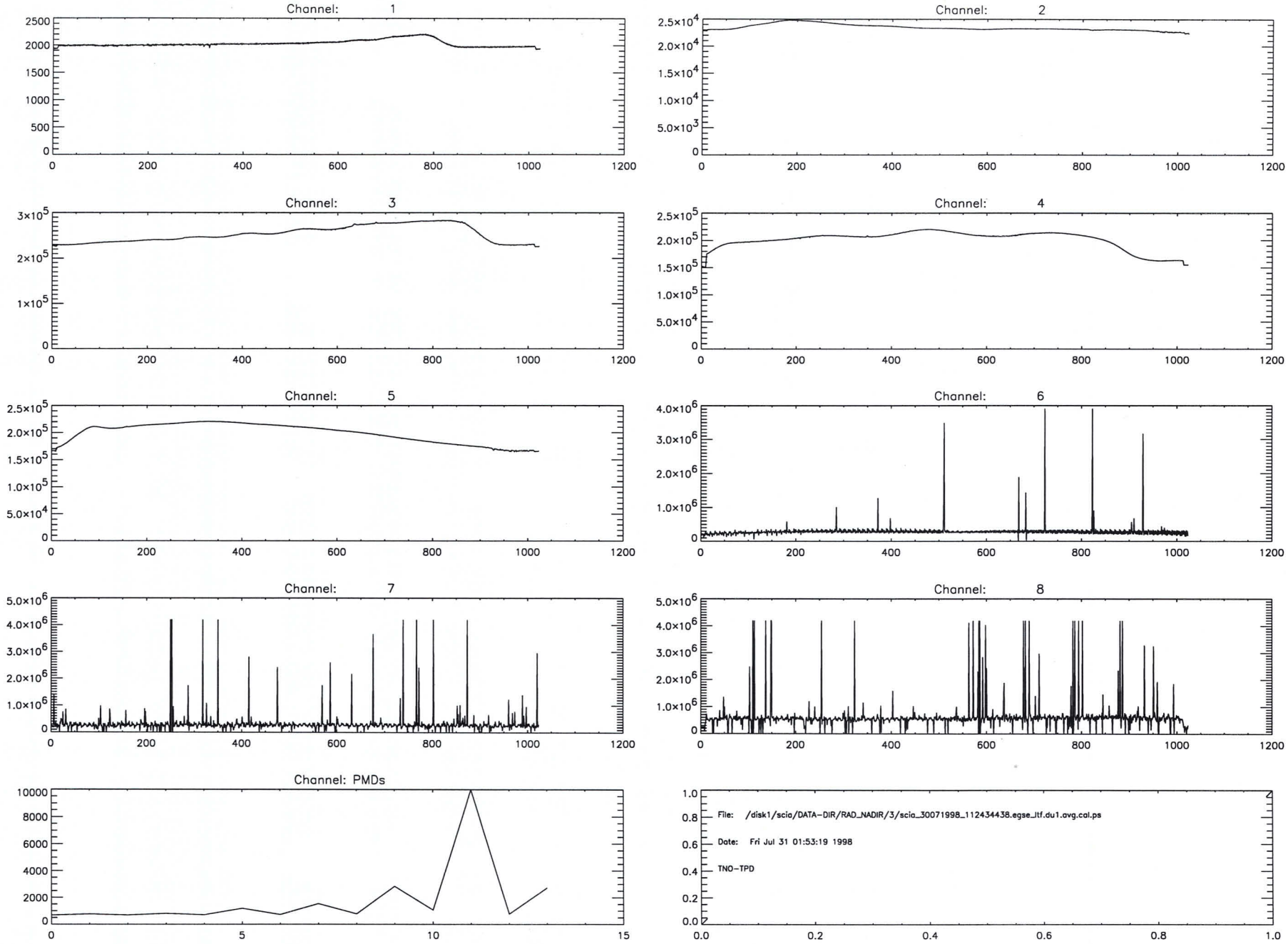








Analysis Redone 21-8-98.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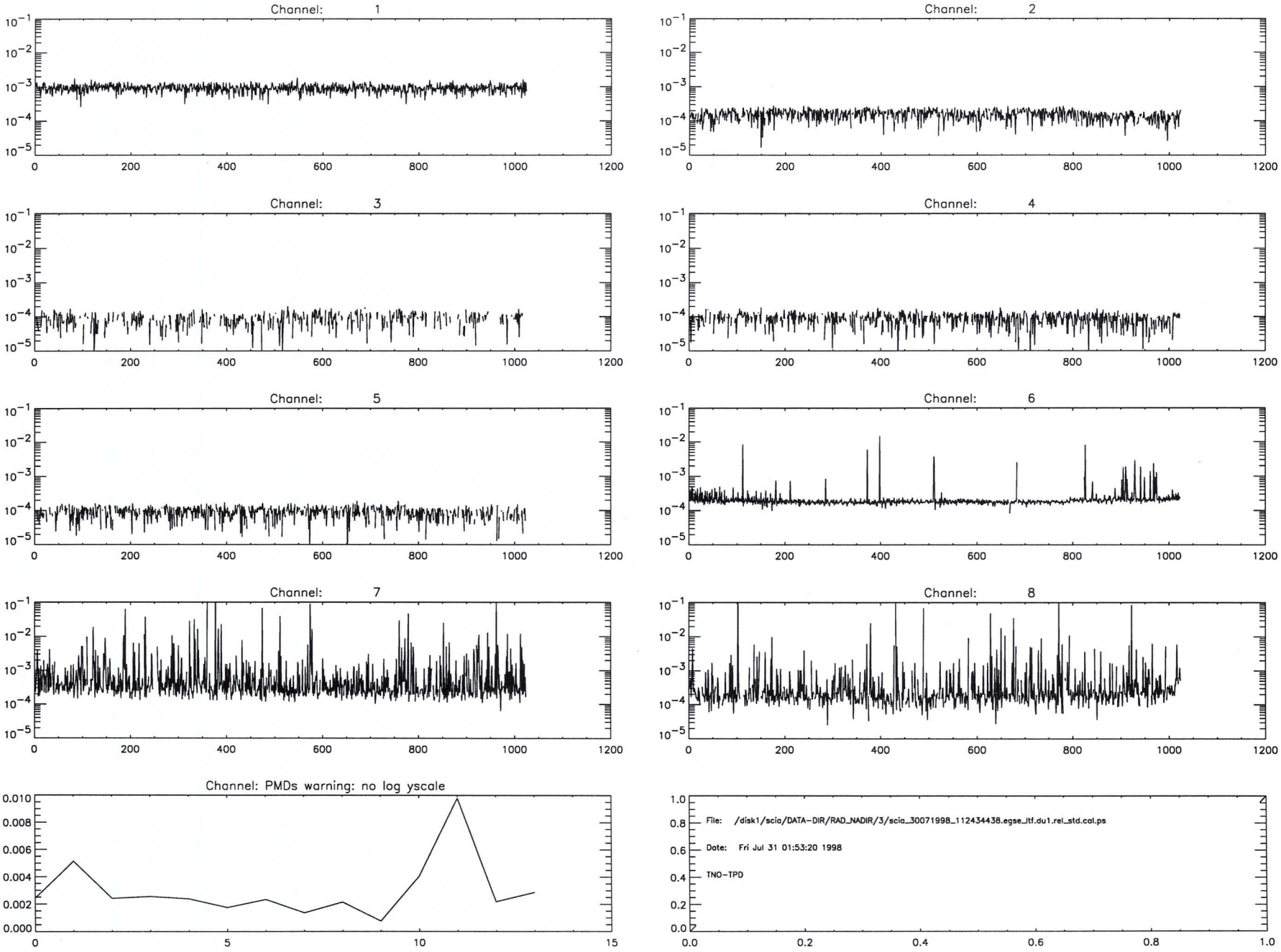
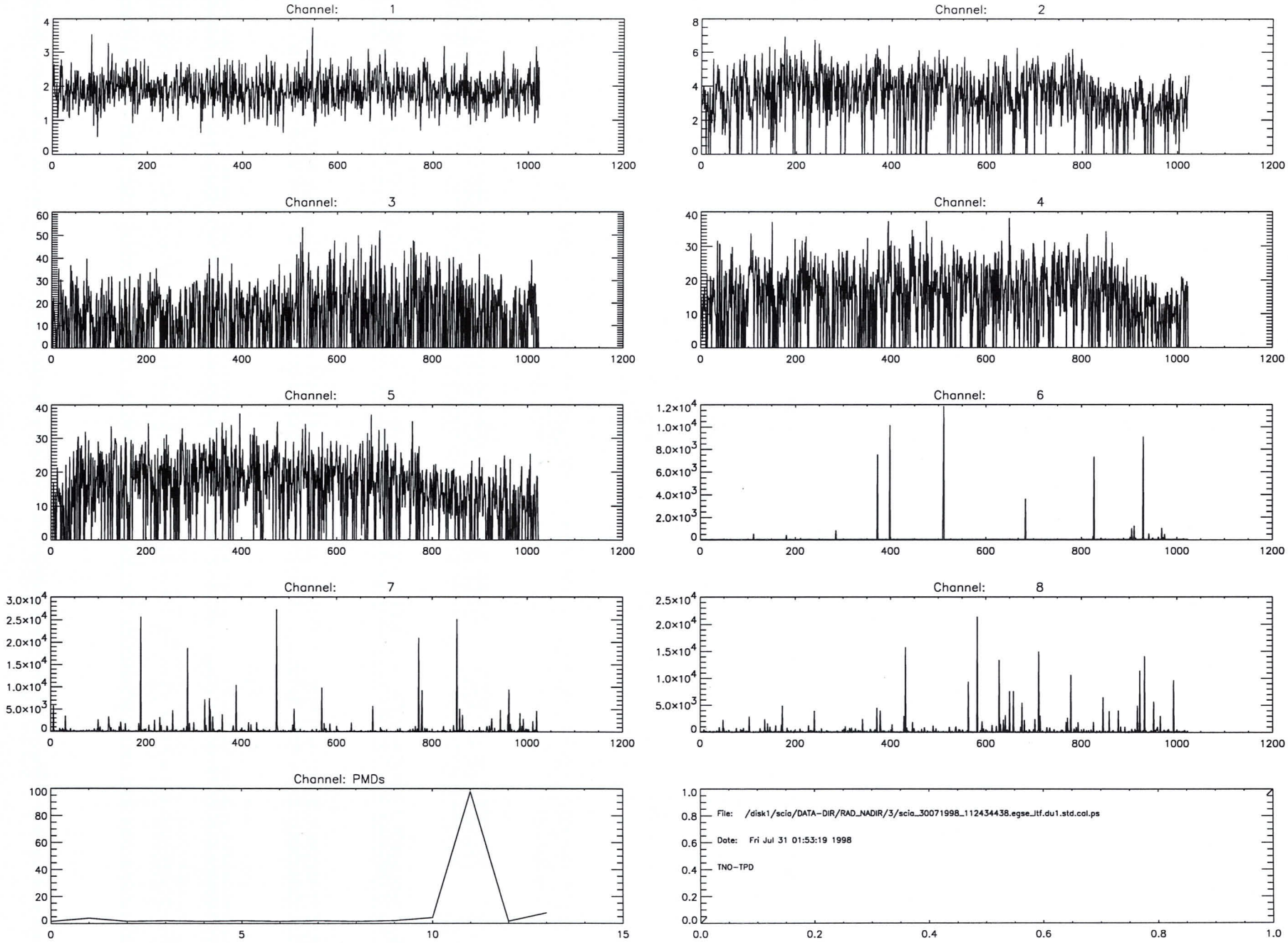
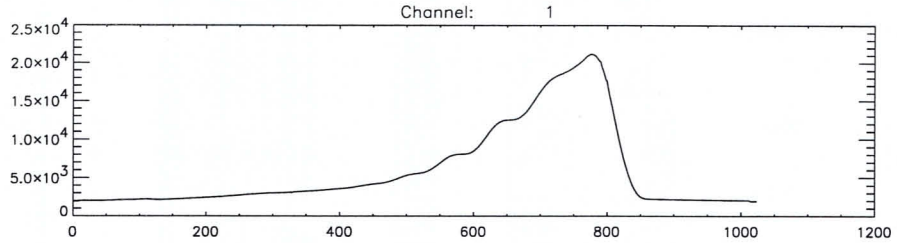
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.ps
Date: Fri Jul 31 01:53:19 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.rel_std.col.ps
Date: Fri Jul 31 01:53:20 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/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.std.cal.ps
Date: Fri Jul 31 01:53:19 1998
TNO-TPD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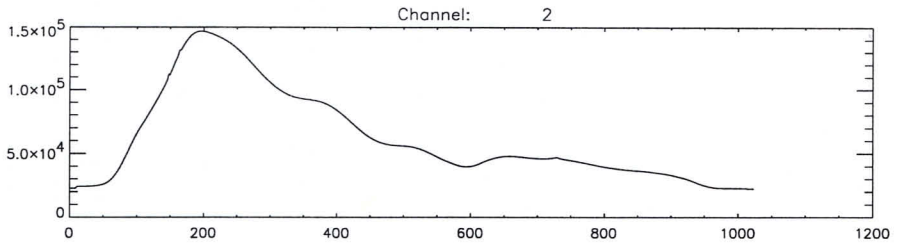
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200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5.0x10^4
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0
200
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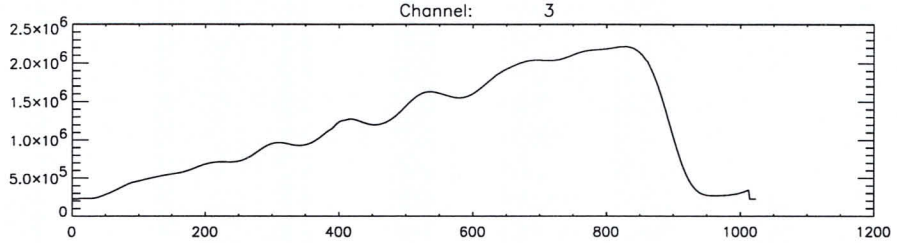
600
800
1000
1200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1.5x10^6
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5.0x10^5
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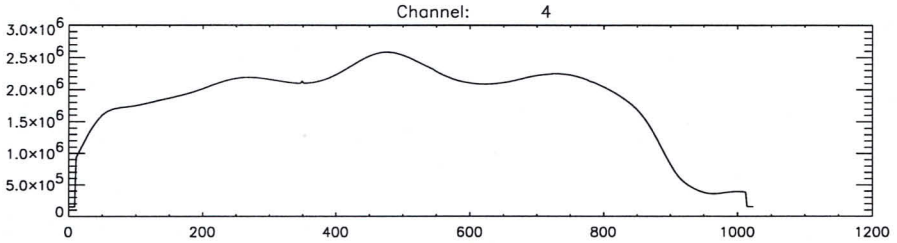
600
800
1000
1200


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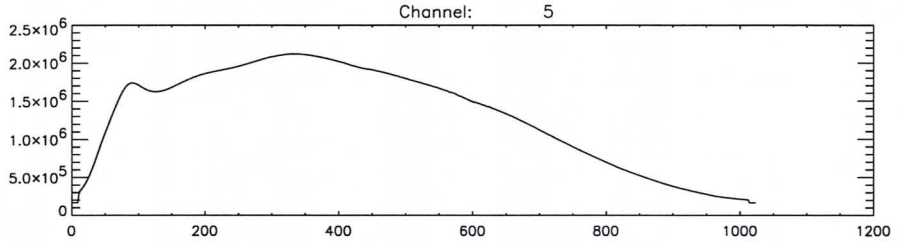
600
800
1000
1200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2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
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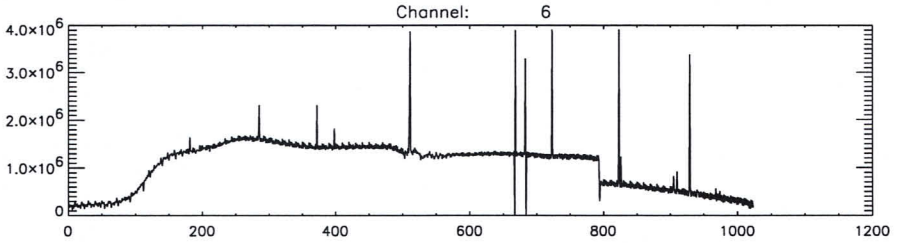
600
800
1000
1200


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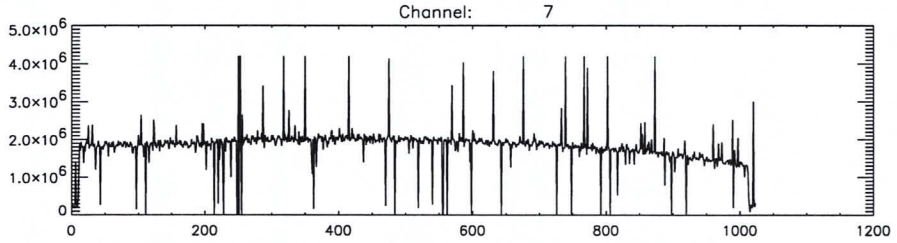
0
200
400
600
800
1000
1200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4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
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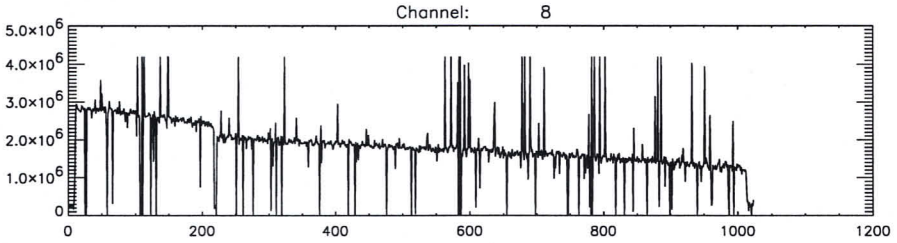
600
800
1000
1200


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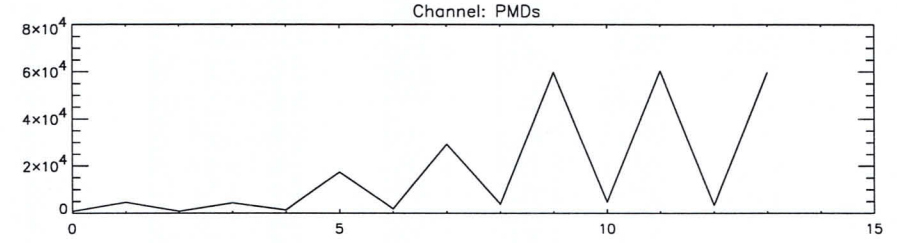
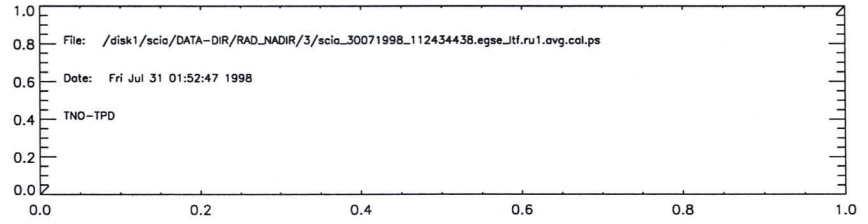
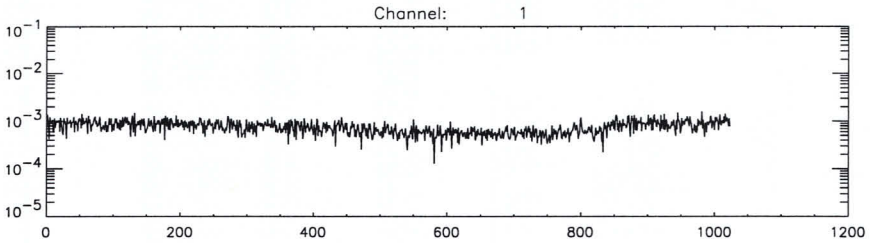
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal.ps
Date: Fri Jul 31 01:52:47 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0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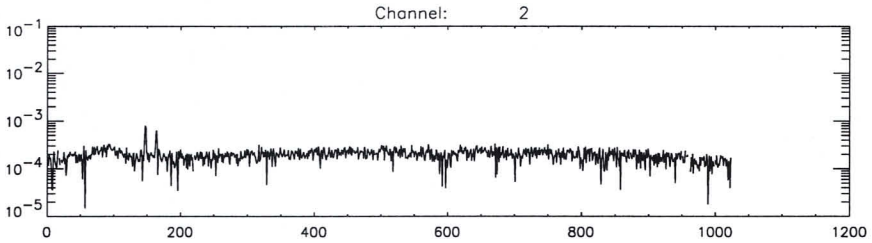
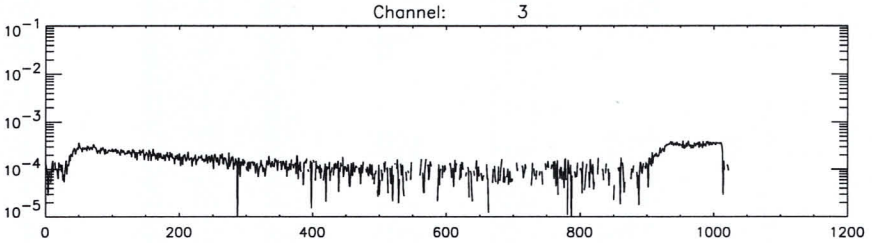

Channel: 2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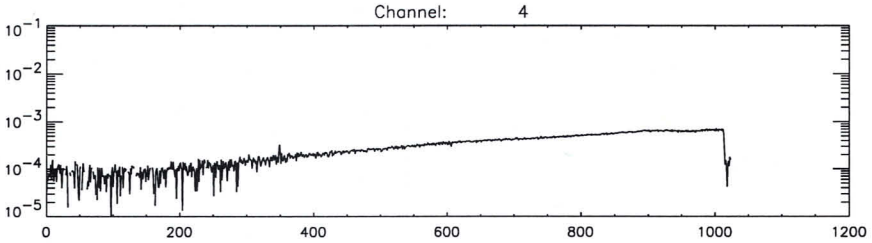
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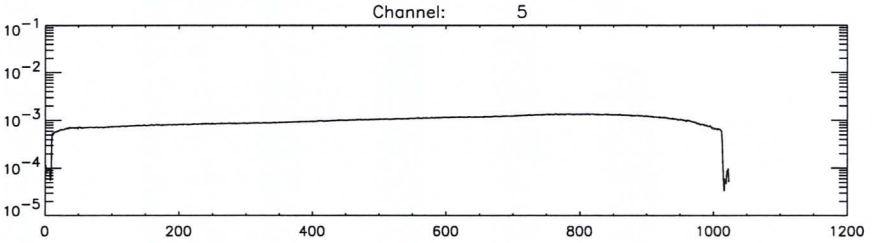
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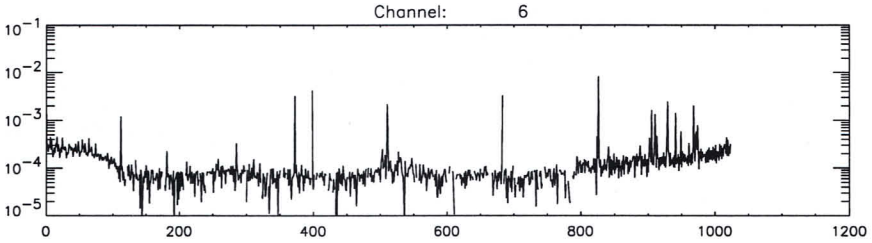
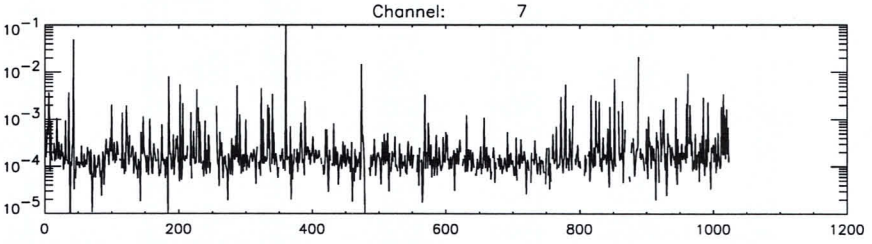
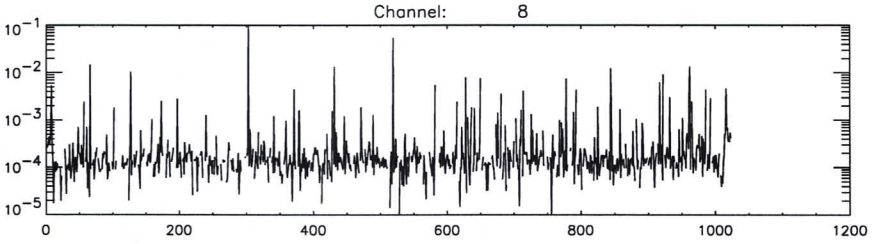
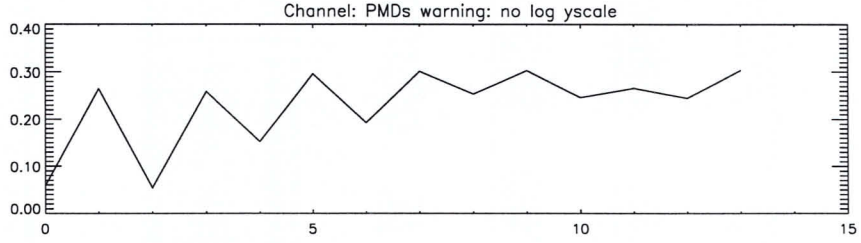
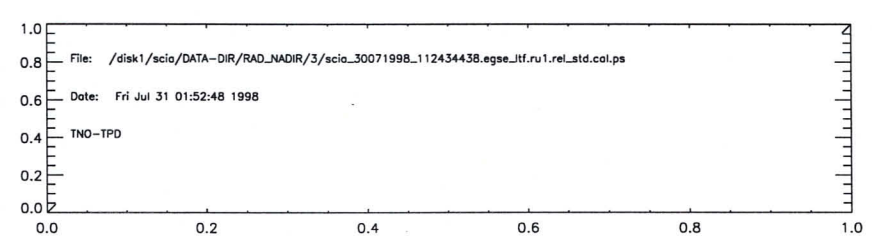
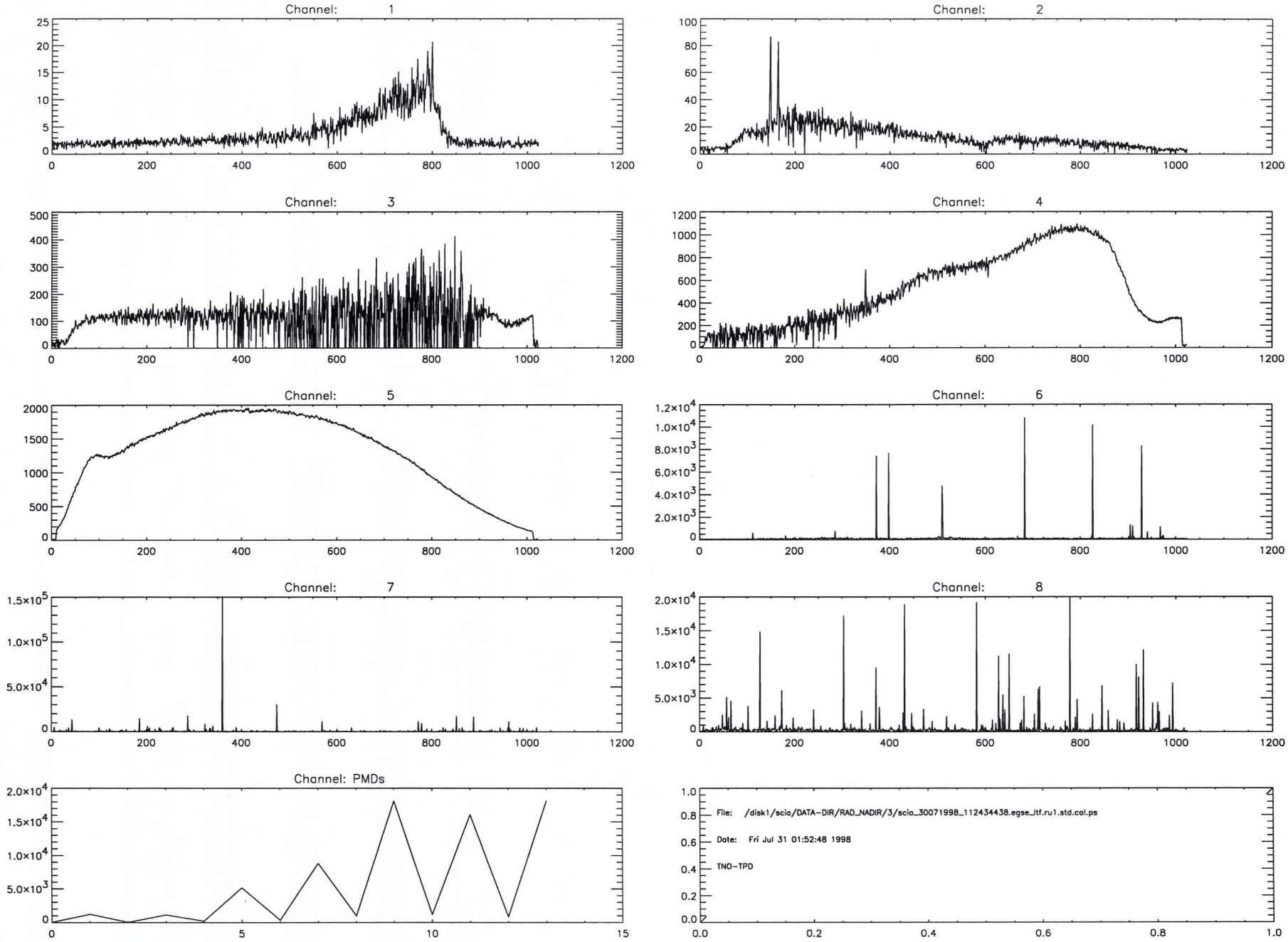

Channel: 6


Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.rel_std.col.ps
Date: Fri Jul 31 01:52:48 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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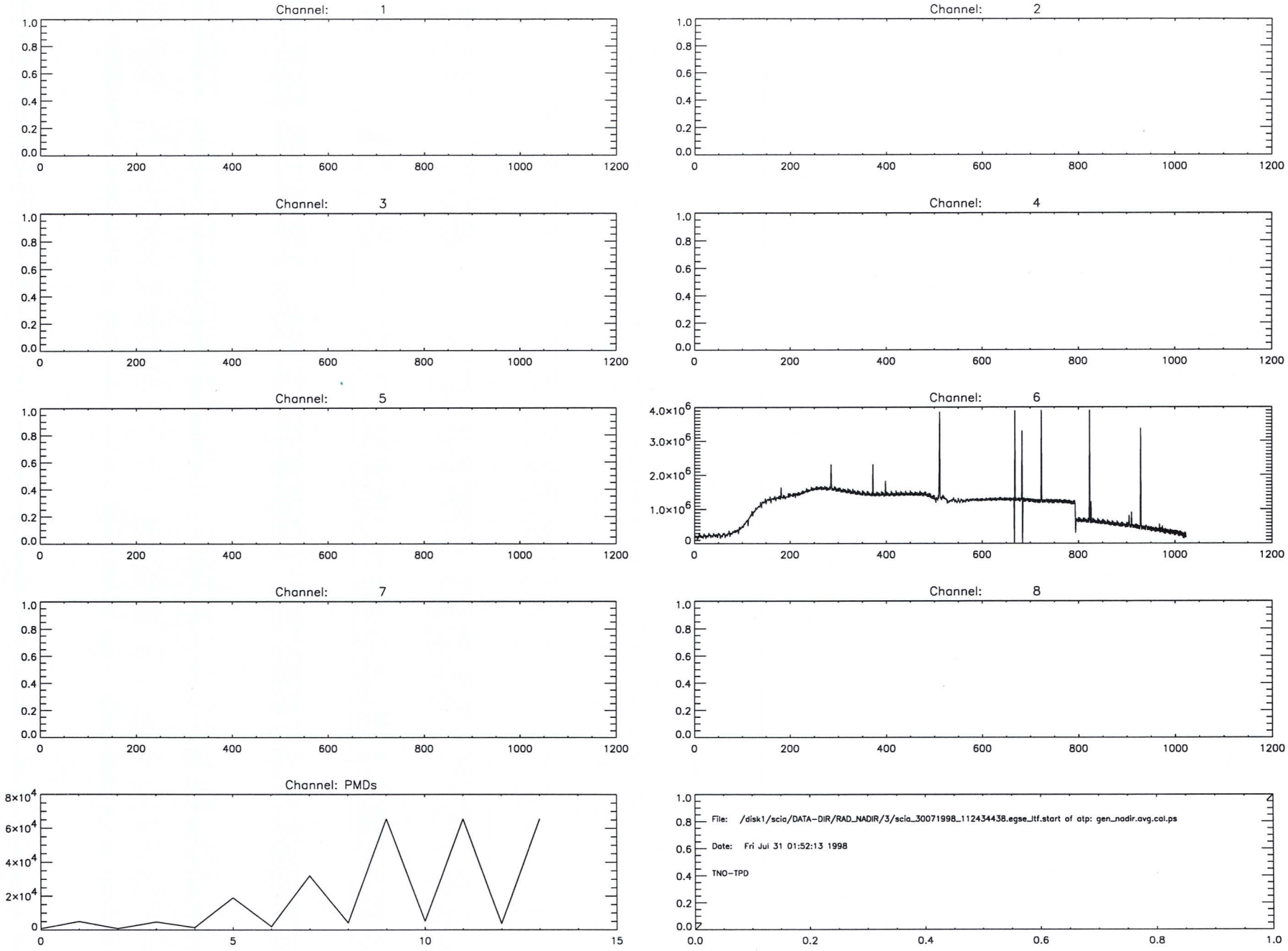
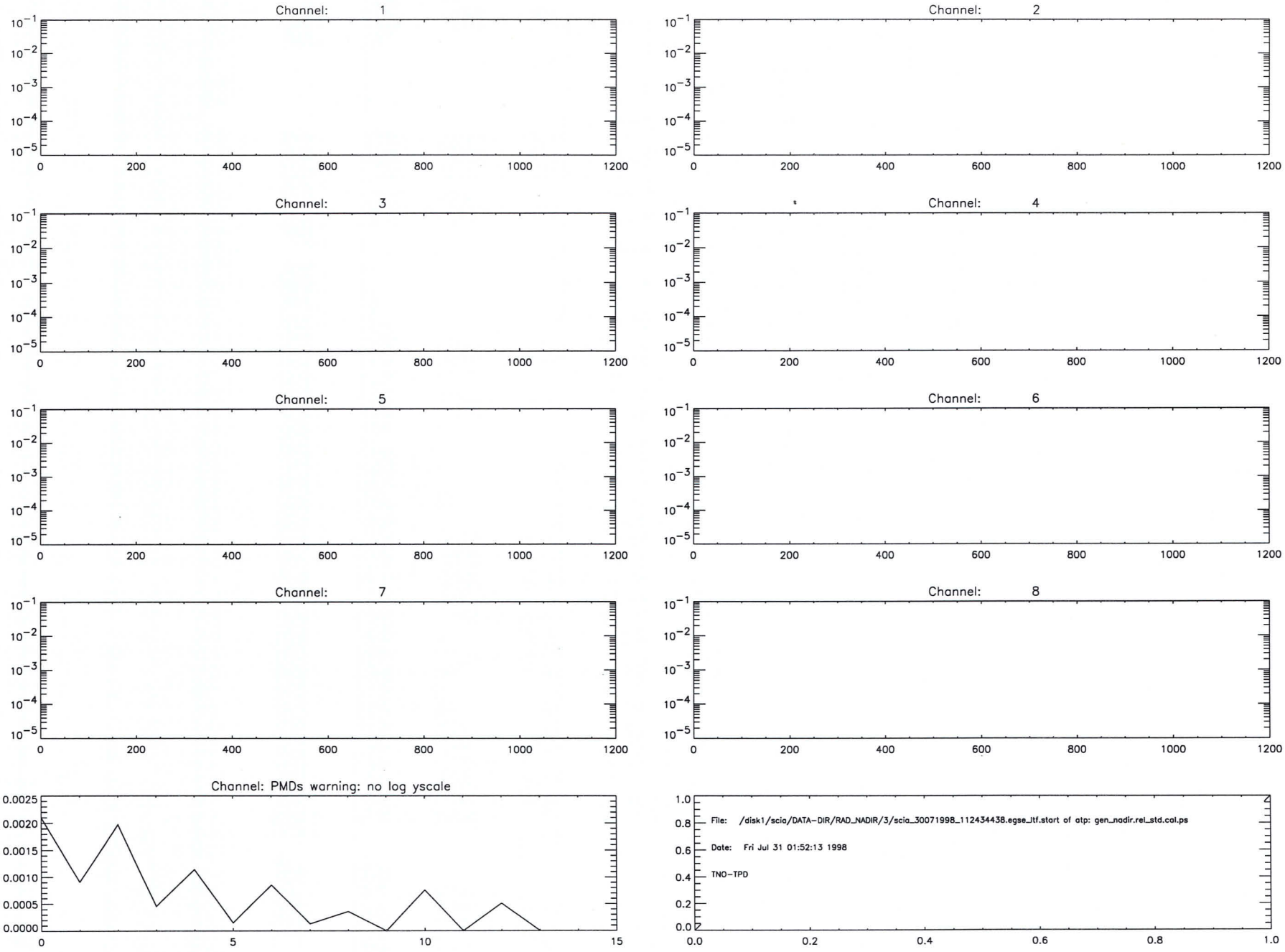
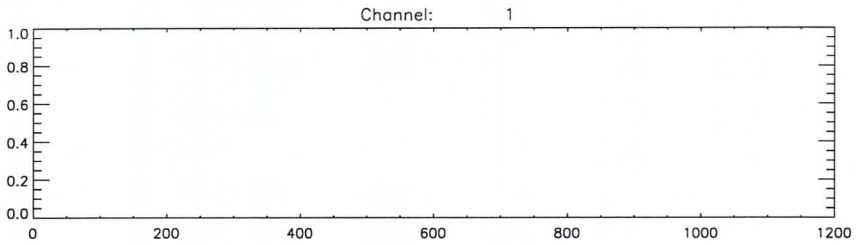
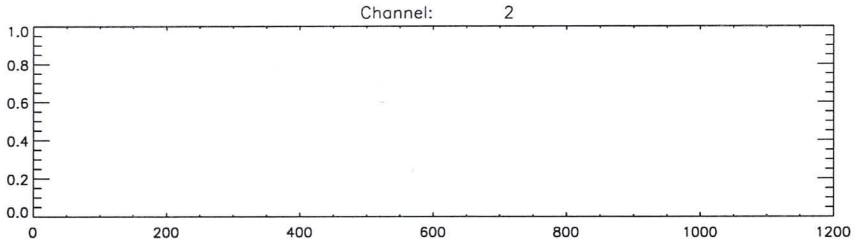
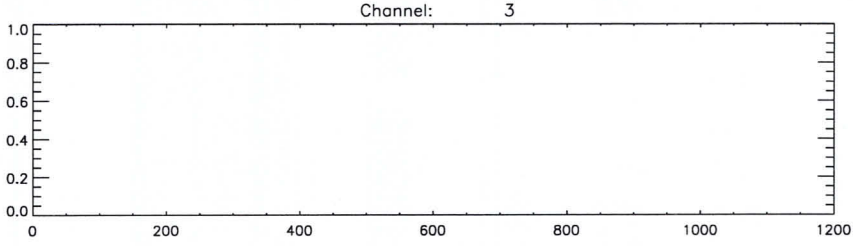
Date: Fri Jul 31 01:52:48 1998
TNO-TPD

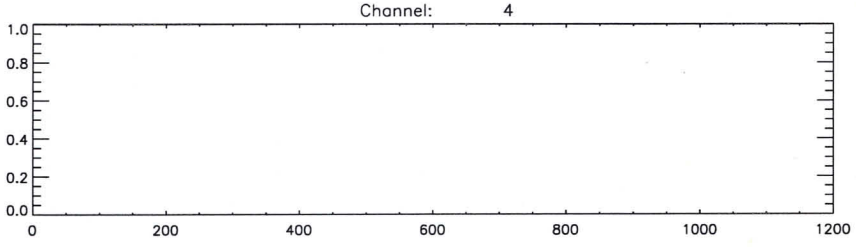

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_itf.start of otp: gen_nadir.avg.cal.ps
Date: Fri Jul 31 01:52:13 1998
TNO-TPD

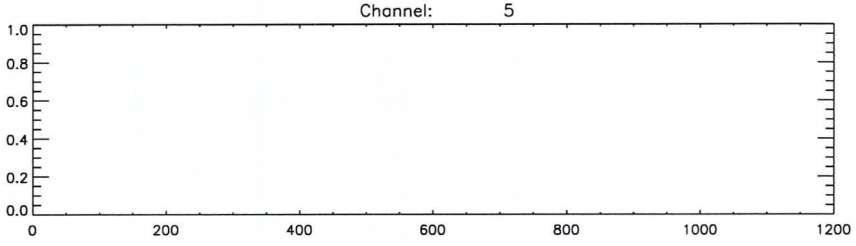

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.start of atp: gen_nadir.rel_std.cal.ps
Date: Fri Jul 31 01:52:13 1998
TNO-TPD

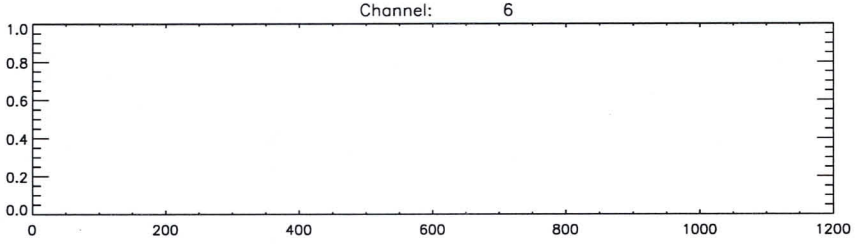

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

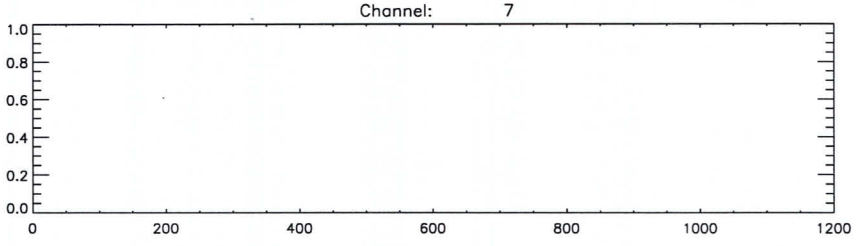

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

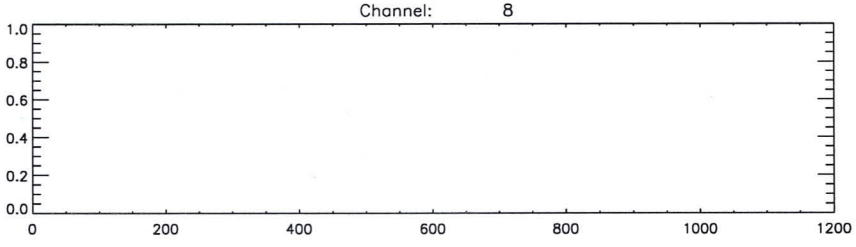

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

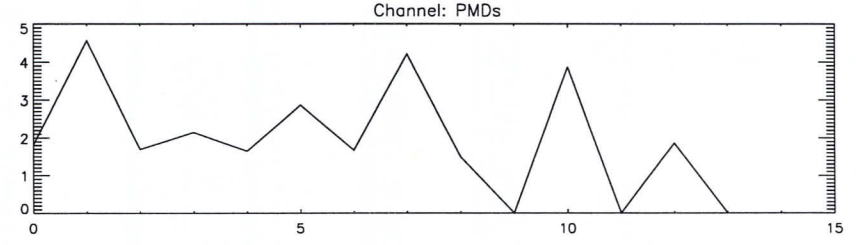

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

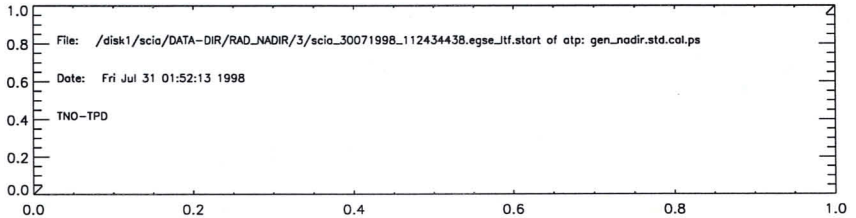

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

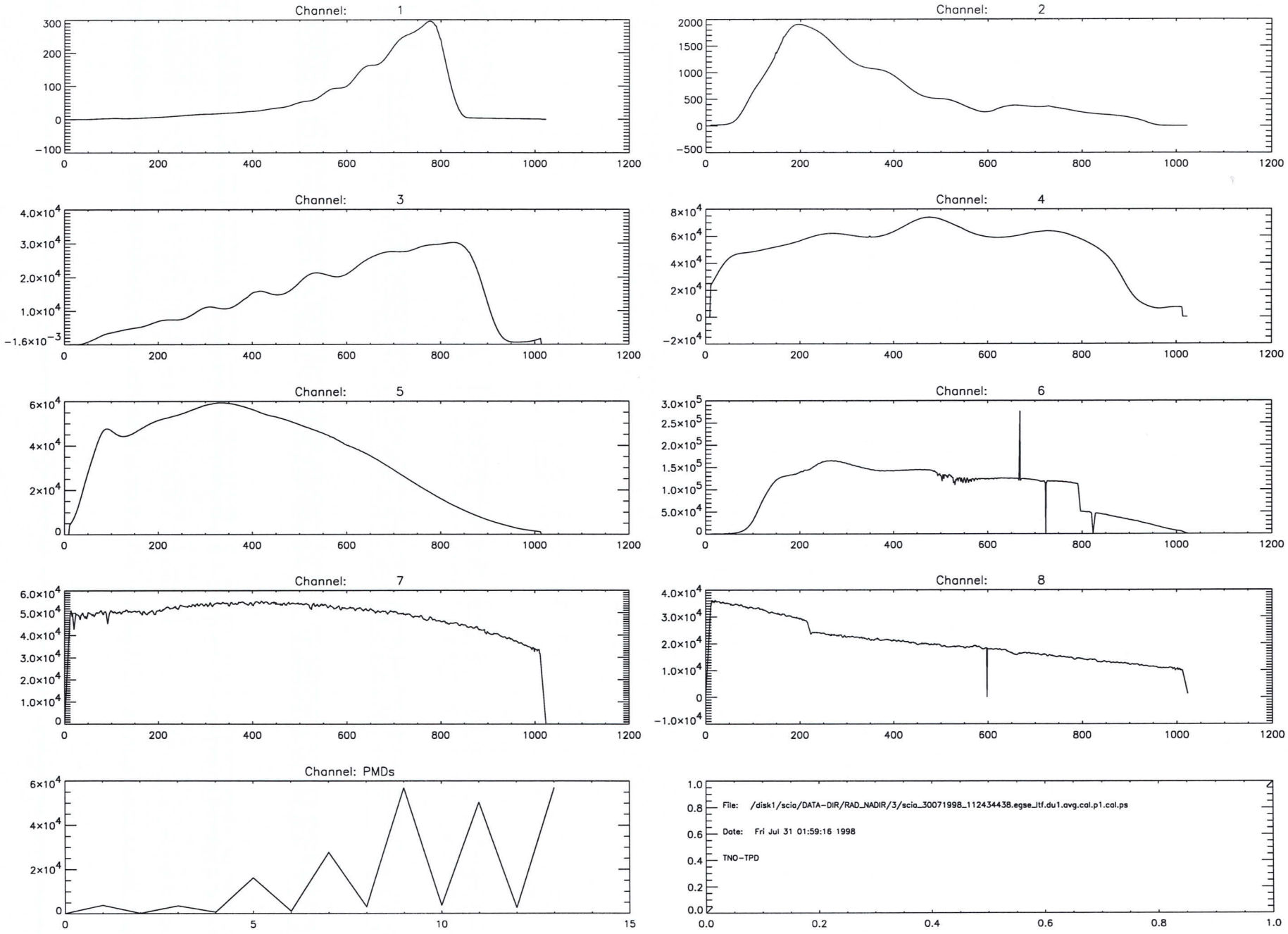

Channel: PMDs
5
4
3
2
1
0
0
5
10
15

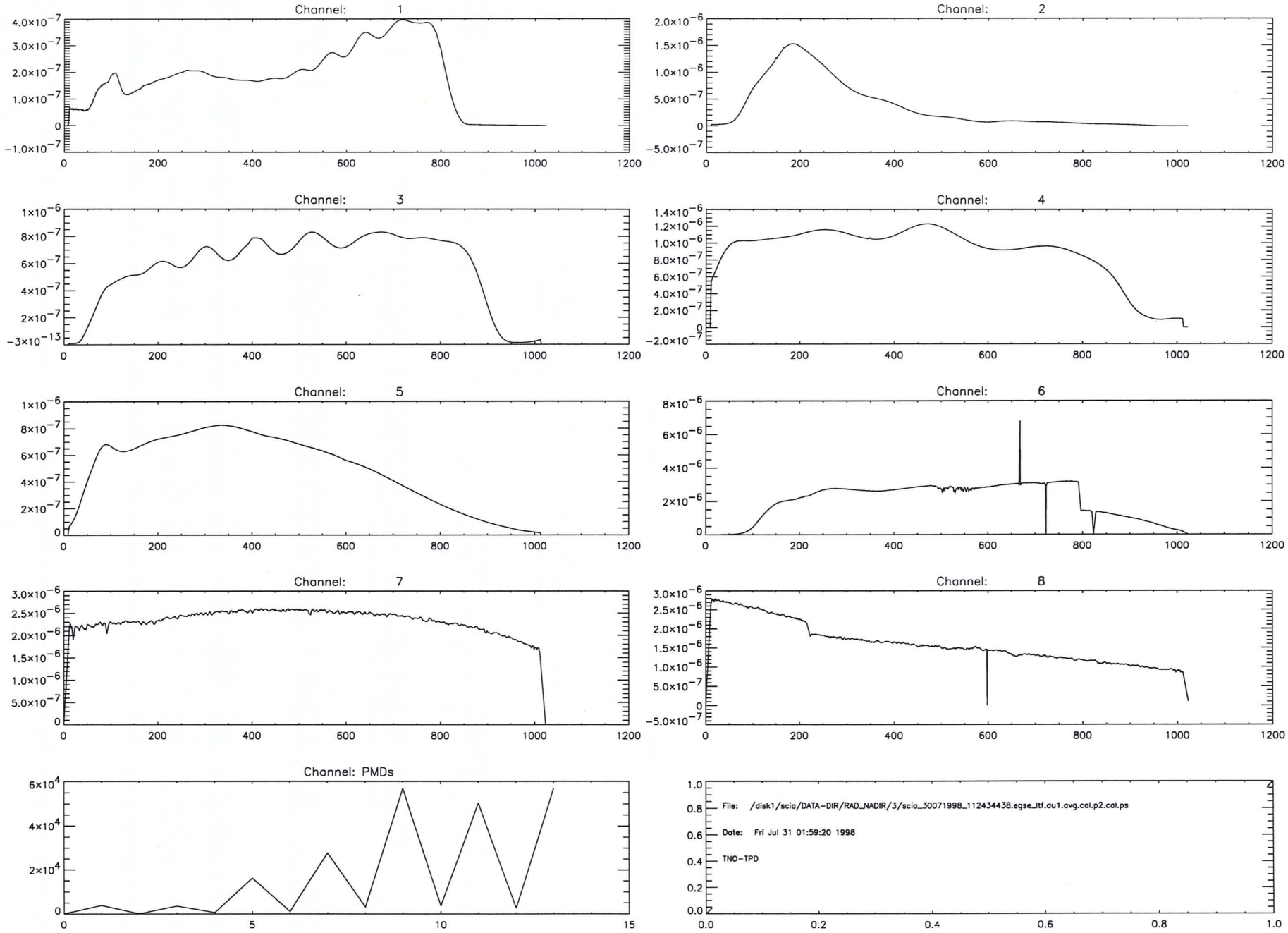

File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_itf.start of atp: gen_nadir.std.cal.ps
Date: Fri Jul 31 01:52:13 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

```
time       = Fri Jul 31 01:53:20 1998
batch      = du1
Start TOD = Thu 30-Jul-98 11:38:33
End   TOD = Thu 30-Jul-98 11:50:23
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 01:52:48 1998
batch      = ru1
Start TOD = Thu 30-Jul-98 11:24:48
End   TOD = Thu 30-Jul-98 11:38:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 01:52:13 1998
batch      = start of atp: gen_nadir
Start TOD = Thu 30-Jul-98 11:24:40
End   TOD = Thu 30-Jul-98 11:24:48
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/RAD_NADIR/3/scia_30071998_112434438.egse_itf.du1.avg.cal.p1.cal.ps
Date: Fri Jul 31 01:59:16 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Fri Jul 31 01:59:20 1998
TNO-TPD

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 01:59:16 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a 4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 01:59:16 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
a  4ls = #VERSION 0.0
a  4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 01:59:20 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a 4lx = #VERSION 0.0
a amlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 01:59:20 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
a 4ls = #VERSION 0.0
a..a4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
time       = Fri Jul 31 01:53:20 1998
batch      = du1
Start TOD = Thu 30-Jul-98 11:38:33
End   TOD = Thu 30-Jul-98 11:50:23
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 01:52:48 1998
batch      = ru1
Start TOD = Thu 30-Jul-98 11:24:48
End   TOD = Thu 30-Jul-98 11:38:33
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 01:52:13 1998
batch      = start of atp: gen_nadir
Start TOD = Thu 30-Jul-98 11:24:40
End   TOD = Thu 30-Jul-98 11:24:48
Processing= computation of average, standard dev. and rel.standard dev.
```

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 01:59:16 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
a 4ls = #VERSION 0.0
a..4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 01:59:20 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
a 4ls = #VERSION 0.0
a 4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
#! /bin/sh
mv 211y1100.doc f0
mv 211y1102.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_112434438.dat f8
mv scia_30071998_112434438.egse_ltf f9
mv scia_30071998_112434438.egse_ltf.du1.avg.cal f10
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal f11
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.log f12
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps f13
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps.log f14
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal f15
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.keydata f16
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.log f17
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps f18
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps.log f19
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.ps f20
mv scia_30071998_112434438.egse_ltf.du1.log f21
mv scia_30071998_112434438.egse_ltf.du1.rel_std.cal f22
mv scia_30071998_112434438.egse_ltf.du1.rel_std.cal.ps f23
mv scia_30071998_112434438.egse_ltf.du1.std.cal f24
mv scia_30071998_112434438.egse_ltf.du1.std.cal.ps f25
mv scia_30071998_112434438.egse_ltf.ru1.avg.cal f26
mv scia_30071998_112434438.egse_ltf.ru1.avg.cal.ps f27
mv scia_30071998_112434438.egse_ltf.ru1.log f28
mv scia_30071998_112434438.egse_ltf.ru1.rel_std.cal f29
mv scia_30071998_112434438.egse_ltf.ru1.rel_std.cal.ps f30
mv scia_30071998_112434438.egse_ltf.ru1.std.cal f31
mv scia_30071998_112434438.egse_ltf.ru1.std.cal.ps f32
mv scia_30071998_112434438.egse_ltf.startofatp:gen_nadir.log f33
```

```
#! /bin/sh
mv f0 211y1100.doc
mv f1 211y1102.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_112434438.dat
mv f9 scia_30071998_112434438.egse_ltf
mv f10 scia_30071998_112434438.egse_ltf.du1.avg.cal
mv f11 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal
mv f12 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.log
mv f13 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps
mv f14 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f15 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal
mv f16 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f17 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.log
mv f18 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps
mv f19 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f20 scia_30071998_112434438.egse_ltf.du1.avg.cal.ps
mv f21 scia_30071998_112434438.egse_ltf.du1.log
mv f22 scia_30071998_112434438.egse_ltf.du1.rel_std.cal
mv f23 scia_30071998_112434438.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_30071998_112434438.egse_ltf.du1.std.cal
mv f25 scia_30071998_112434438.egse_ltf.du1.std.cal.ps
mv f26 scia_30071998_112434438.egse_ltf.ru1.avg.cal
mv f27 scia_30071998_112434438.egse_ltf.ru1.avg.cal.ps
mv f28 scia_30071998_112434438.egse_ltf.ru1.log
mv f29 scia_30071998_112434438.egse_ltf.ru1.rel_std.cal
mv f30 scia_30071998_112434438.egse_ltf.ru1.rel_std.cal.ps
mv f31 scia_30071998_112434438.egse_ltf.ru1.std.cal
mv f32 scia_30071998_112434438.egse_ltf.ru1.std.cal.ps
mv f33 scia_30071998_112434438.egse_ltf.startofatp:gen_nadir.log
```

Formal Run of Measurement

(Measurement ID) Gen_Nadir 4/1

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

Clean room Lucht uit

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	33									
Repetitions	10									

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	1	64						
4	0.5	64						
5	0.5	64						
6	0.125	64						
7	0.5	64						
8	1	64						
State ID								

Same Parameters as step 2-4 3e

30-7 Team 1 (UTC)

4e Maal

ANALyse 31-07

Stimuli Settings for Existing Blocks in Measurement

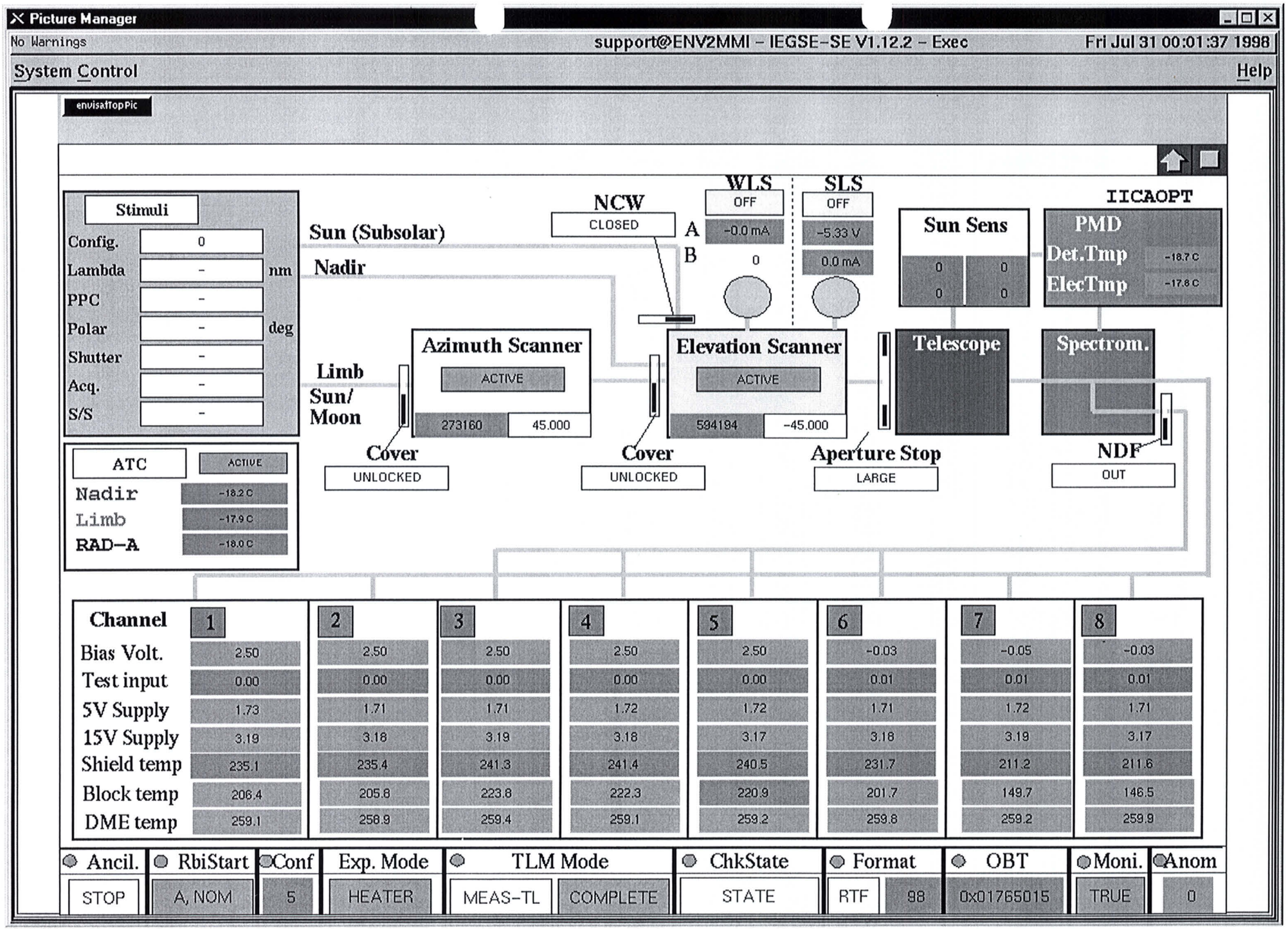
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]

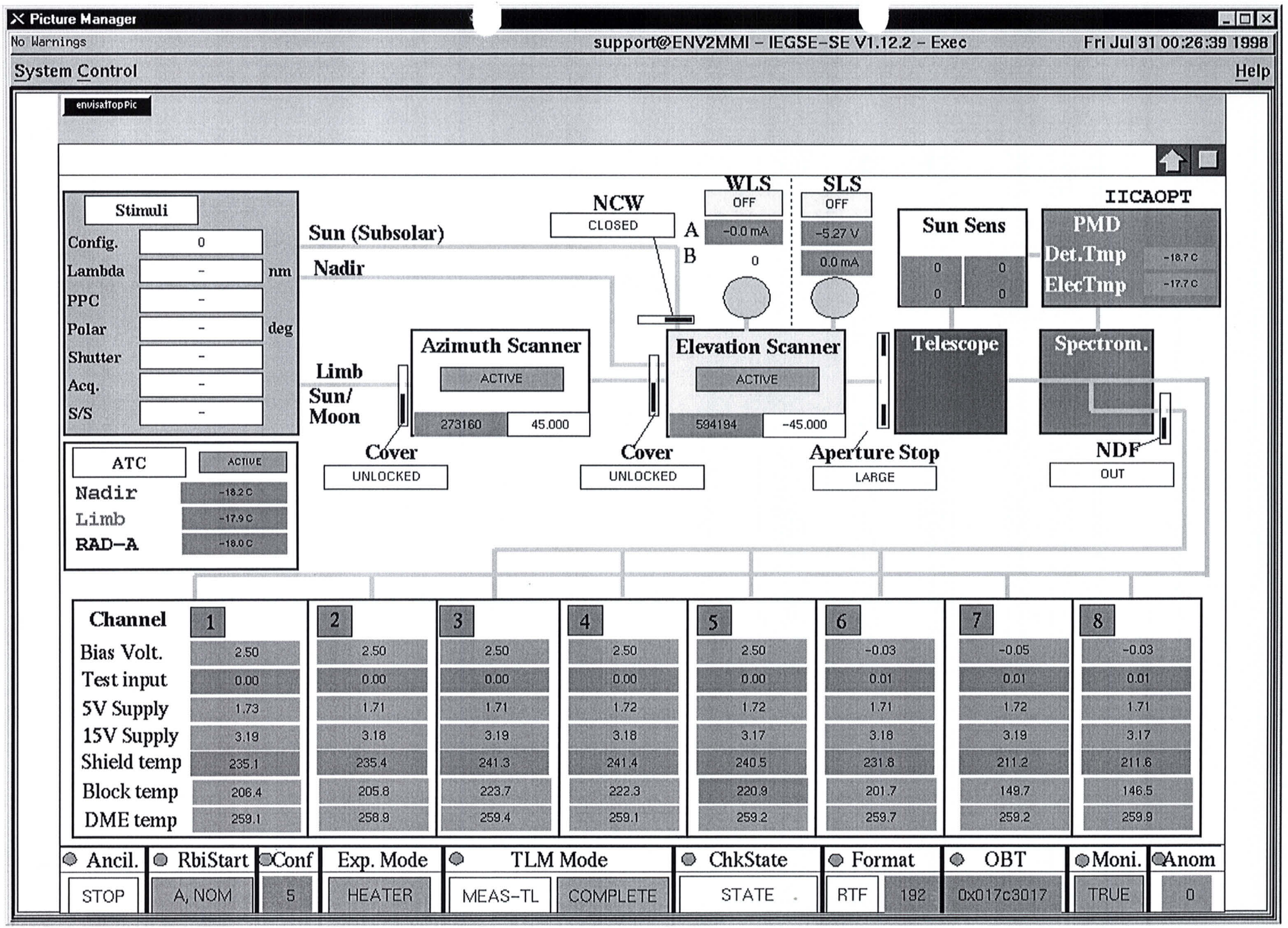
Measurement Data Description

Test Purpose	UID 22
Remark	4e keer §2-4
Data Directory	0211_12.33.02_GEN_NADIR

Signatures

	Date	Signature
Issued	30-7	M. Stapp
< Performed	30-7	[signature]


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Fri Jul 31 00:01:37 1998
System Control
Help
envisatTopPic
Stimuli
Config. 0
Lambda -
nm
PPC -
Polar -
deg
Shutter -
Acq. -
S/S -
ATC
ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.33 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.8 C
Azimuth Scanner
ACTIVE
273160 45.000
Elevation Scanner
ACTIVE
594184 -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 235.1 235.4 241.3 241.4 240.5 231.7 211.2 211.6
Block temp 206.4 205.8 223.8 222.3 220.9 201.7 149.7 146.5
DME temp 259.1 258.9 259.4 259.1 259.2 259.8 259.2 259.9
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 98
OBT 0x01765015
Moni. TRUE
Anom 0


Picture Manager
No Warnings
support@ENV2MMI - IEGSE-SE V1.12.2 - Exec
Fri Jul 31 00:26:39 1998
System Control
Help
envisatTopPic
Stimuli
Config. 0
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.27 V
0.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -18.7 C
ElecTmp -17.7 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 235.1 235.4 241.3 241.4 240.5 231.8 211.2 211.6
Block temp 206.4 205.8 223.7 222.3 220.9 201.7 149.7 146.5
DME temp 259.1 258.9 259.4 259.1 259.2 259.7 259.2 259.9
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 192
OBT 0x017c3017
Moni. TRUE
Anom 0

Nadir radiance

STEP	ACTION	RESULT	MARKER
Intro	Your name:	J. H. de Cloe	
	Date:	31-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0211_12.33.02_GEW_NADIR	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory? New directory: `mkdir <B+1>` `ls -l`	4	(B)
	What's now the highest number in directory? <C> should be <B> + 1	5 (Y) / N	(C)
	directory name is:	`~/DATA-DIR/RAD-NADIR/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	Scia_30071998_2359 59721.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`		In DATA-DIR window
	size:	145981	should be approx 150Kb

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Nadir radiance

[12] = 1 ~~of~~ 2

Size of file
<D>.du*.avg.cal.p2.cal 151998.

Check radiance visually

`lpr -P<printer>`
`*.p[12].*.cal.ps`

lpr -P hp6mp *.P1.cal.ps

Value of P1 and P2 file resemble white light source? (Y) / N

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

Print logfiles

`lpr -P<printer>`
`*.p[12].cal.log`

Add logfiles to logbook, done (Y) / N

Back up

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

See analysis sheet BackUp

Name of backup CDs _____

Sign:

Name _____

Date and time _____

Signature _____

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STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	J.H. de Clon 31-07-98	

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

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

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

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

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Instructions printed in Masterman

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

dpdczo

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

Sign:	Name	J. M. de Clos
	Date and time	31-07-98 5.06
	Signature	

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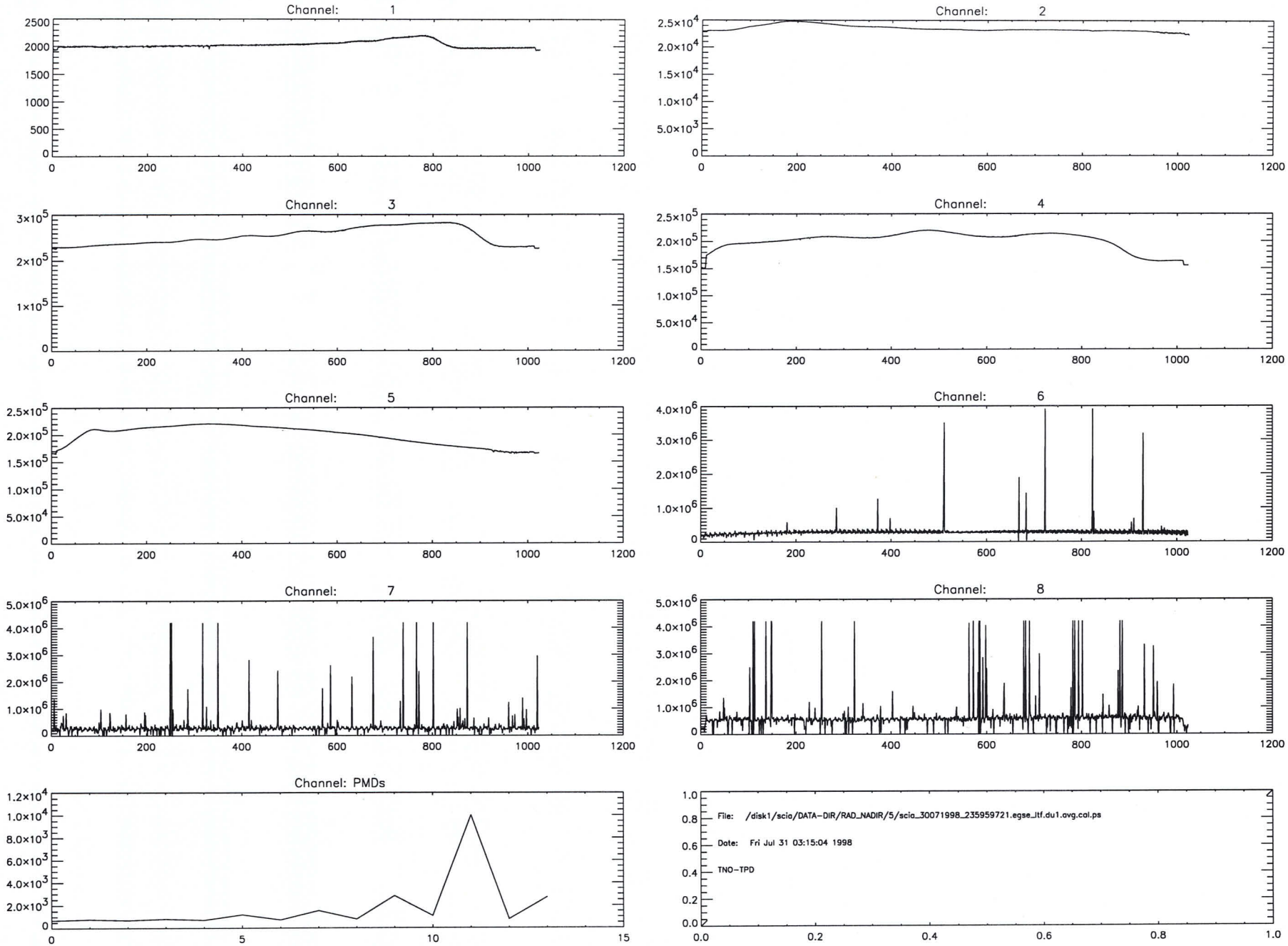
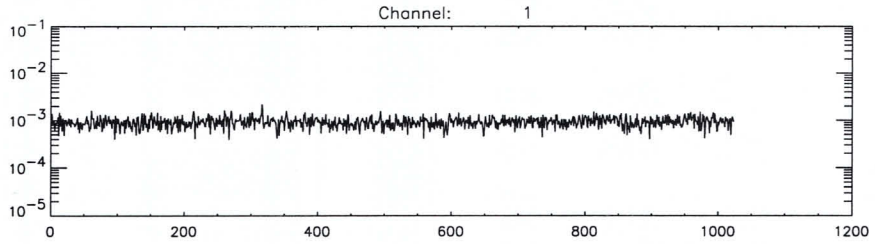
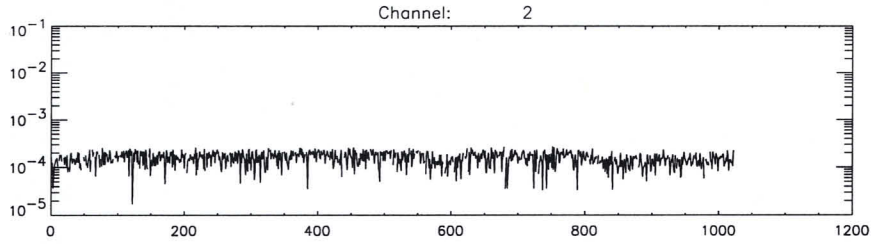
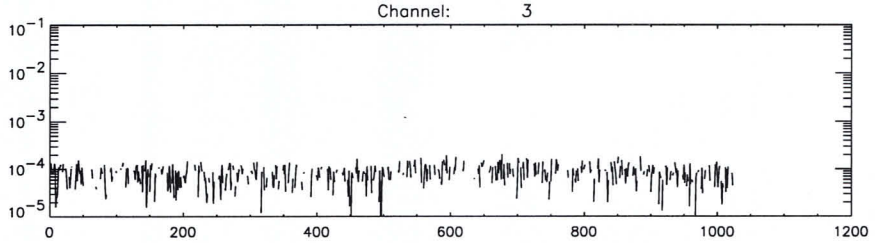
Transfer Data File

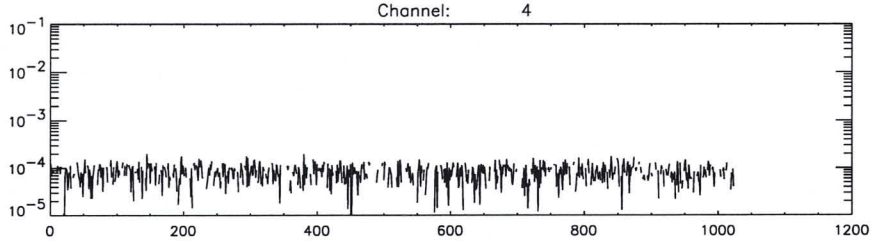
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	J.H. de Clon 31-07-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	024_12.33.02_GEN_MAIN	(A).
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the 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	J.H. de Clon 31-07-98	03.00

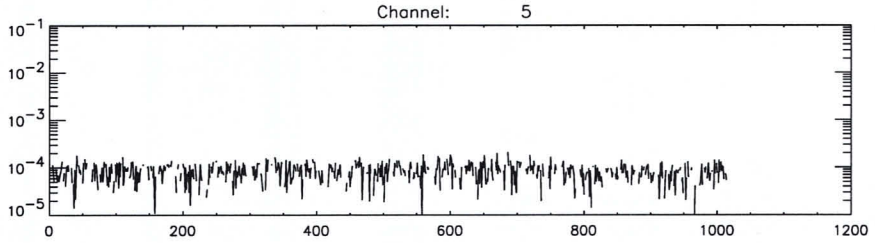

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_itf.du1.ovg.cal.ps
Date: Fri Jul 31 03:15:04 1998
TNO-TPD

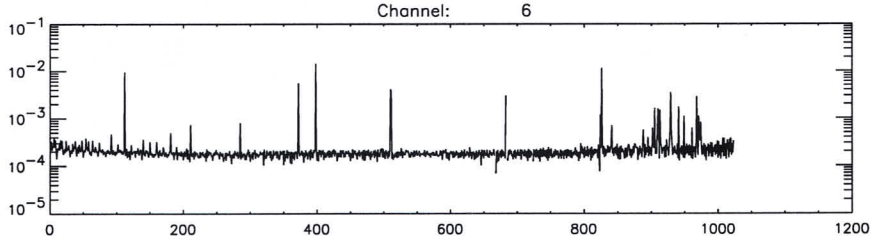

Channel: 1

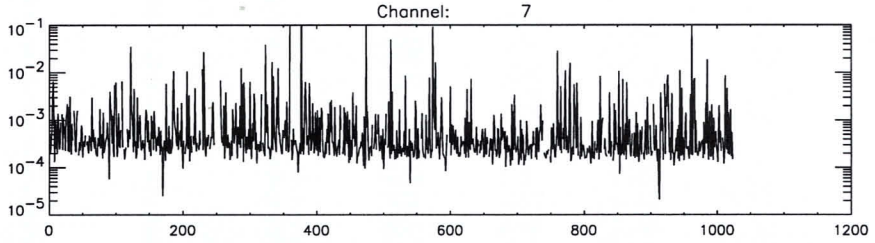

Channel: 2

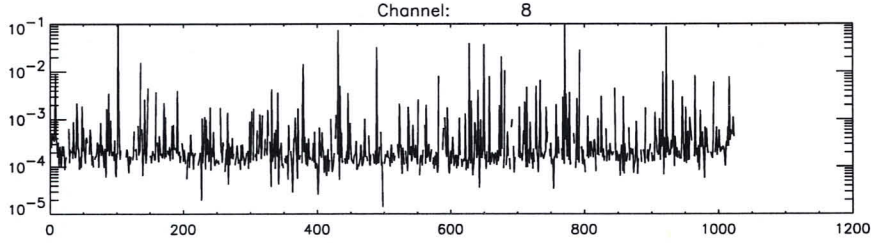

Channel: 3

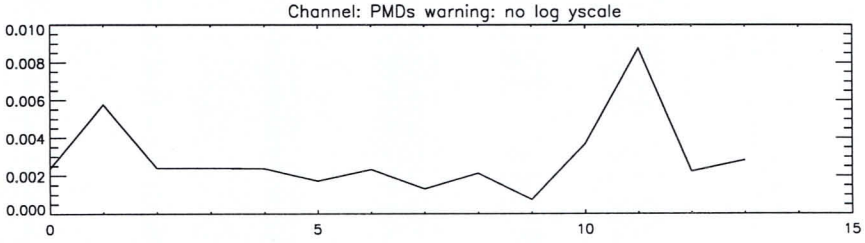

Channel: 4

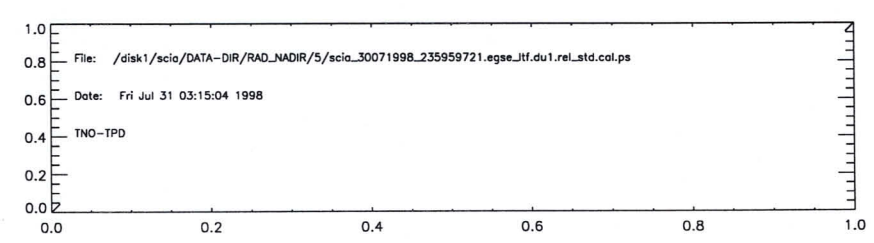

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.rel_std.cal.ps
Date: Fri Jul 31 03:15:04 1998
TNO-TPD

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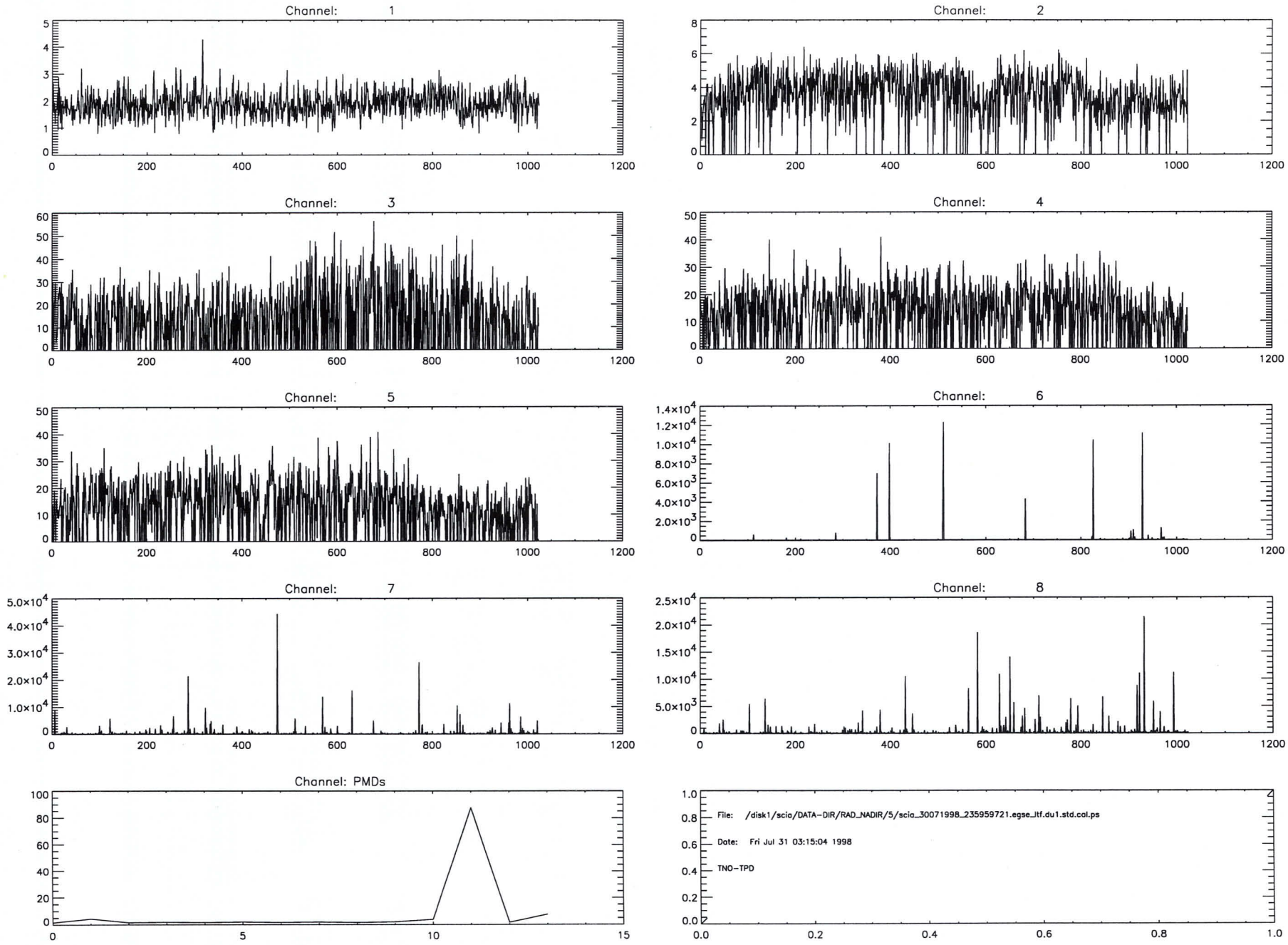
Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.std.cal.ps
Date: Fri Jul 31 03:15:04 1998
TNO-TPD

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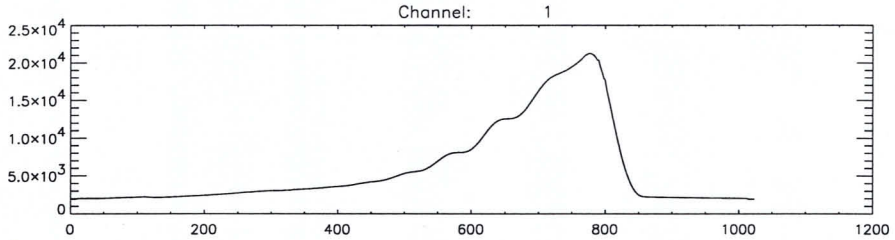
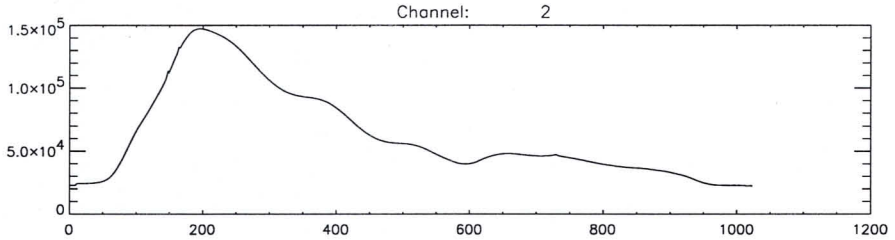
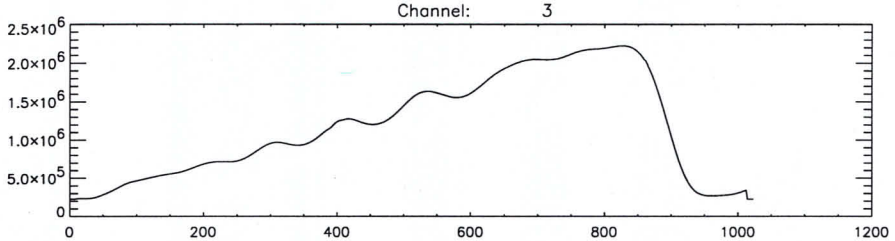
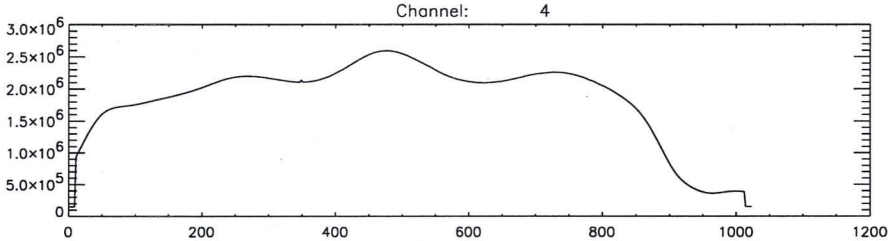

Channel: 1
2.5x10^4
2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
0
0
200
400
600
800
1000
1200


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


Channel: 3
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200


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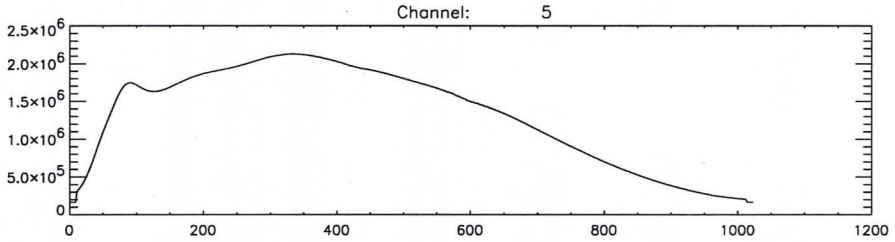
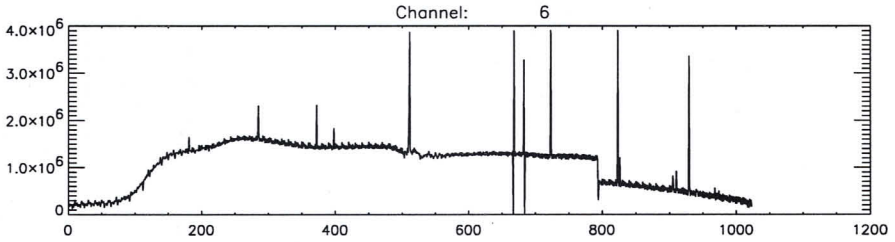
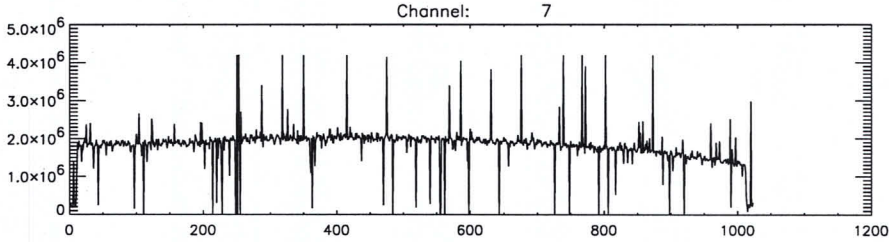
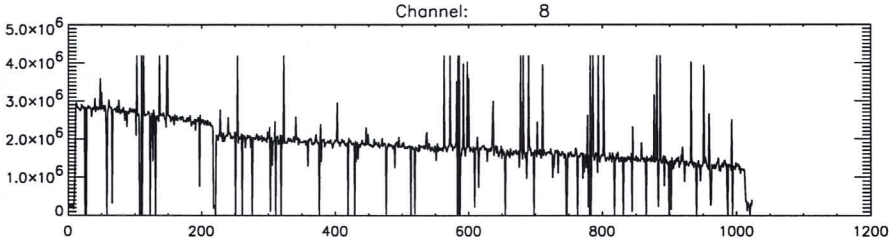
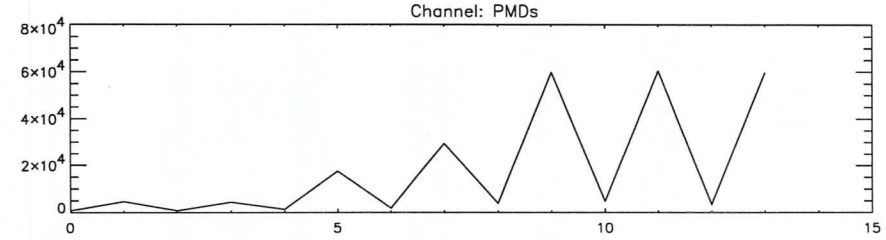
200
400
600
800
1000
1200

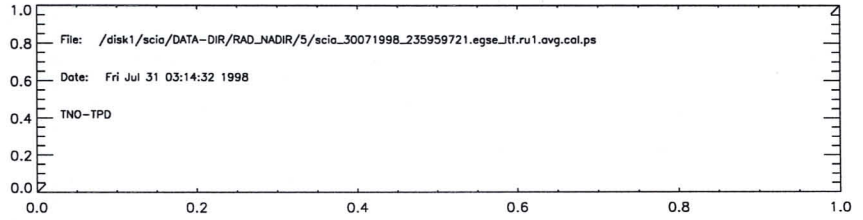

Channel: 5
2.5x10^6
2.0x10^6
1.5x10^6
1.0x10^6
5.0x10^5
0
0
200
400
600
800
1000
1200

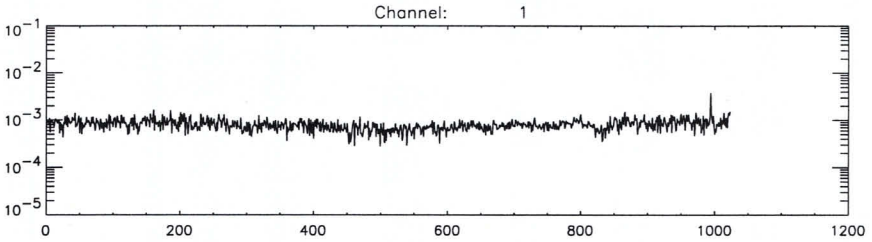

Channel: 6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

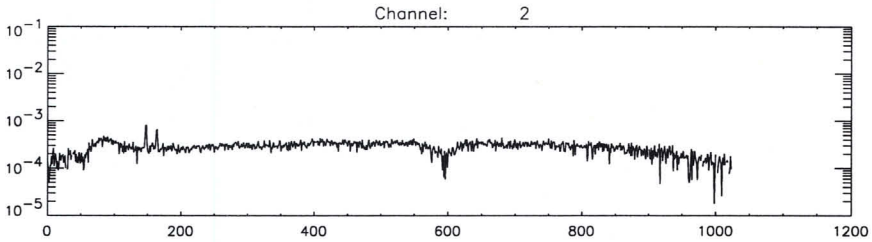

Channel: 7
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

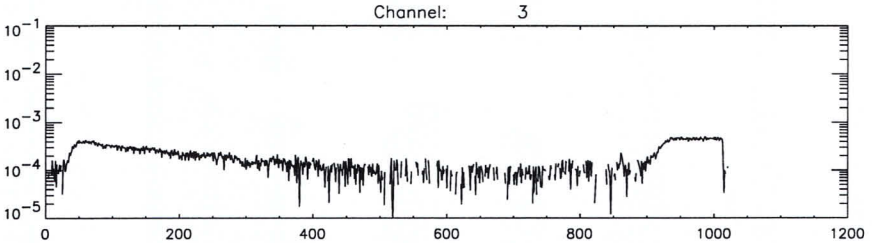

Channel: 8
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

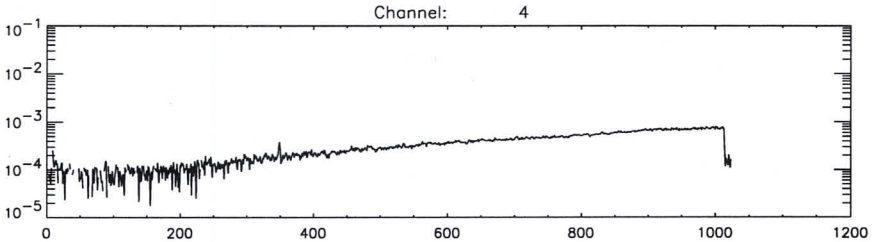

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

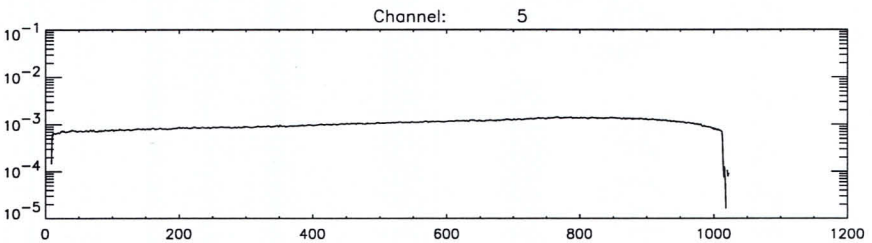

File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.ru1.avg.cal.ps
Date: Fri Jul 31 03:14:32 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

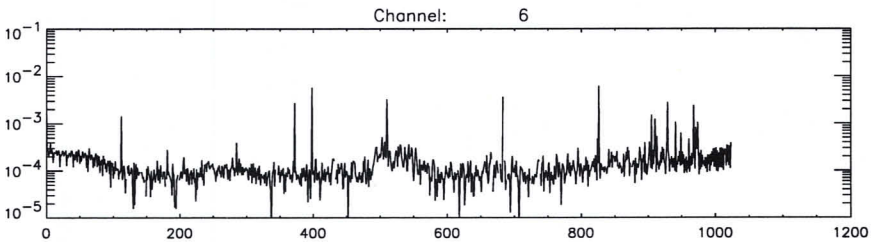

Channel: 1

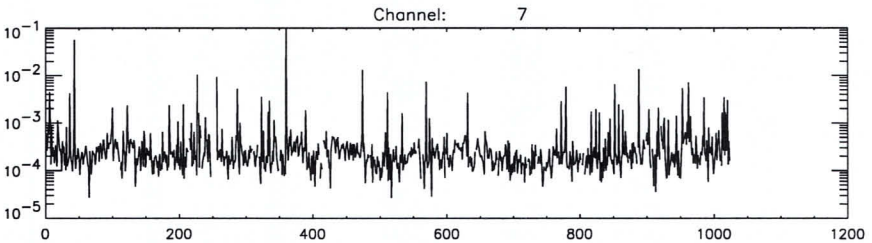

Channel: 2

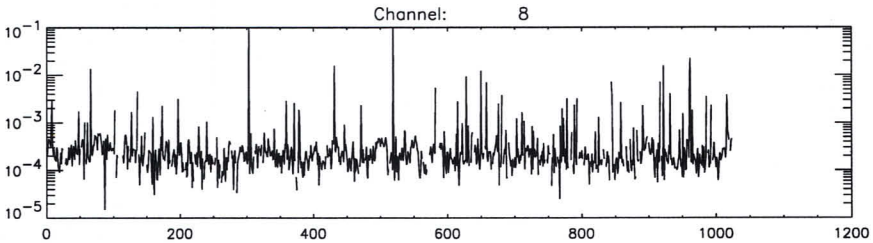

Channel: 3

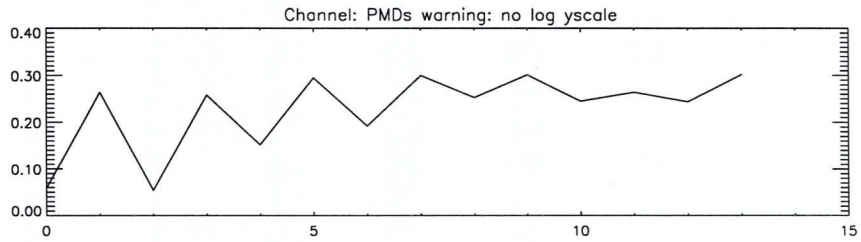

Channel: 4

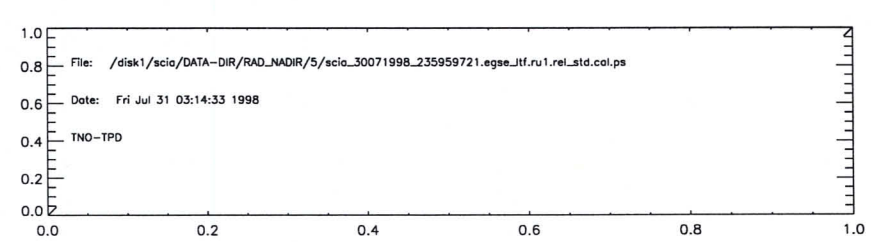

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.ru1.rel_std.cal.ps
Date: Fri Jul 31 03:14:33 1998
TNO-TPD

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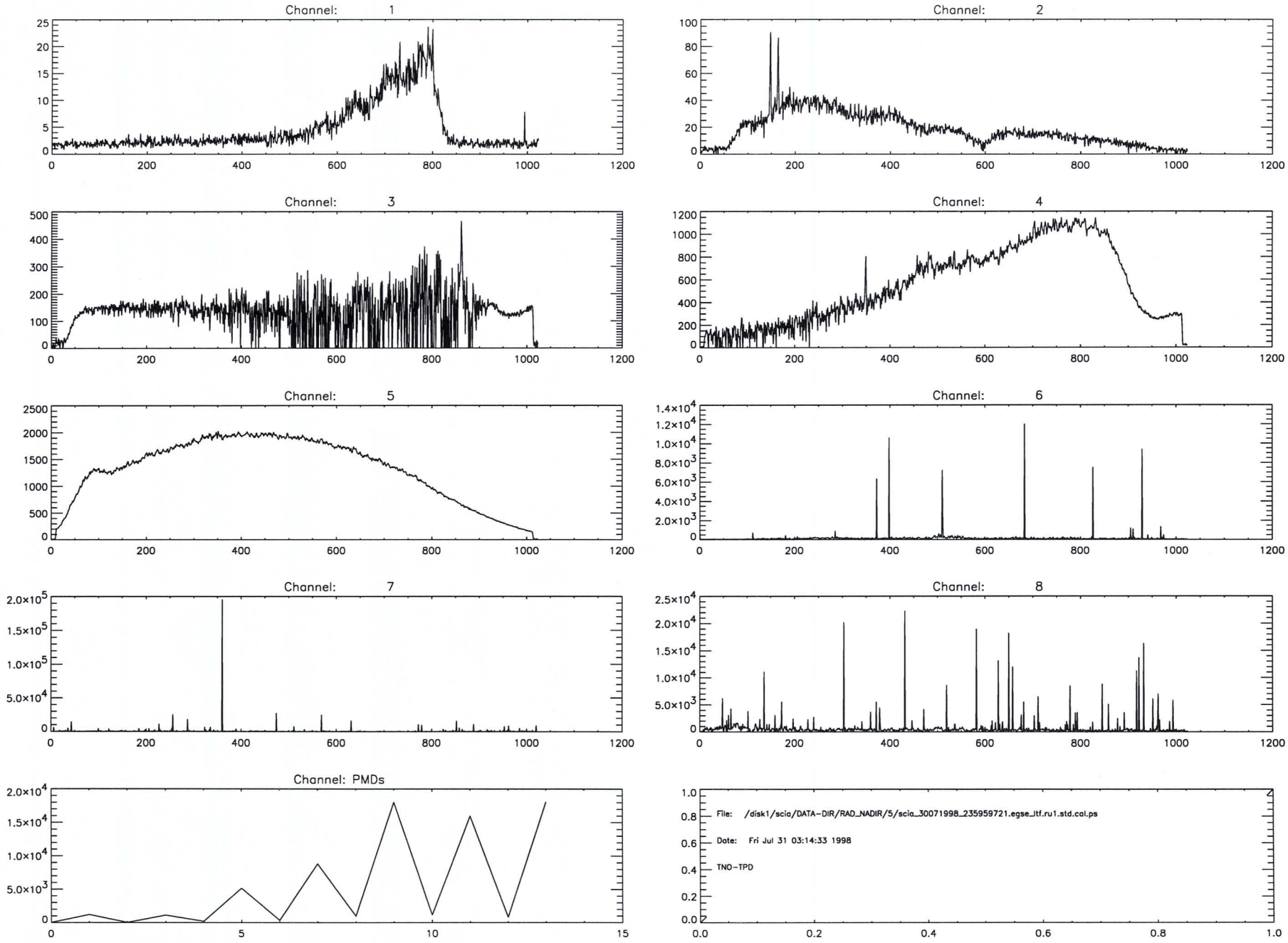
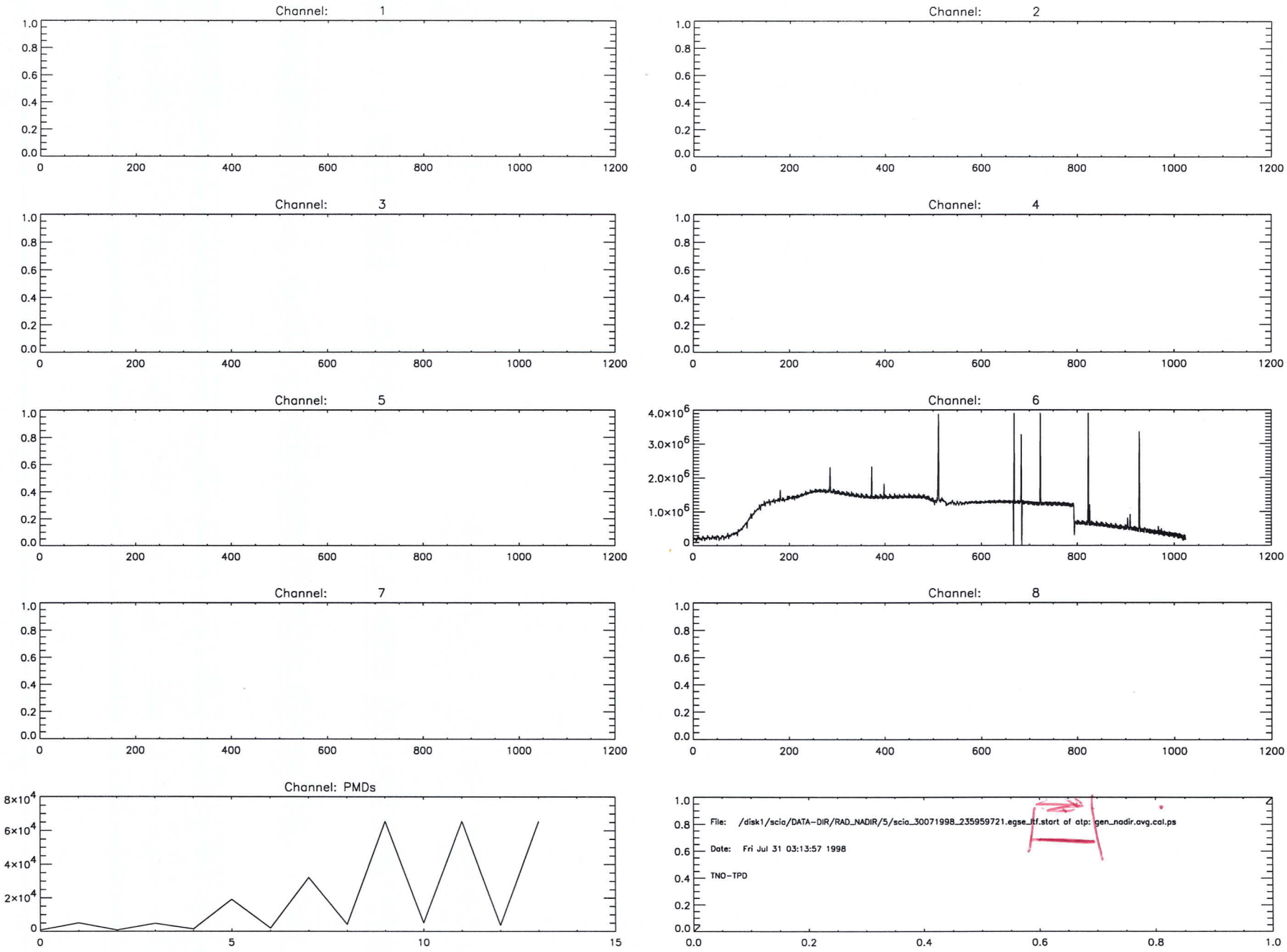
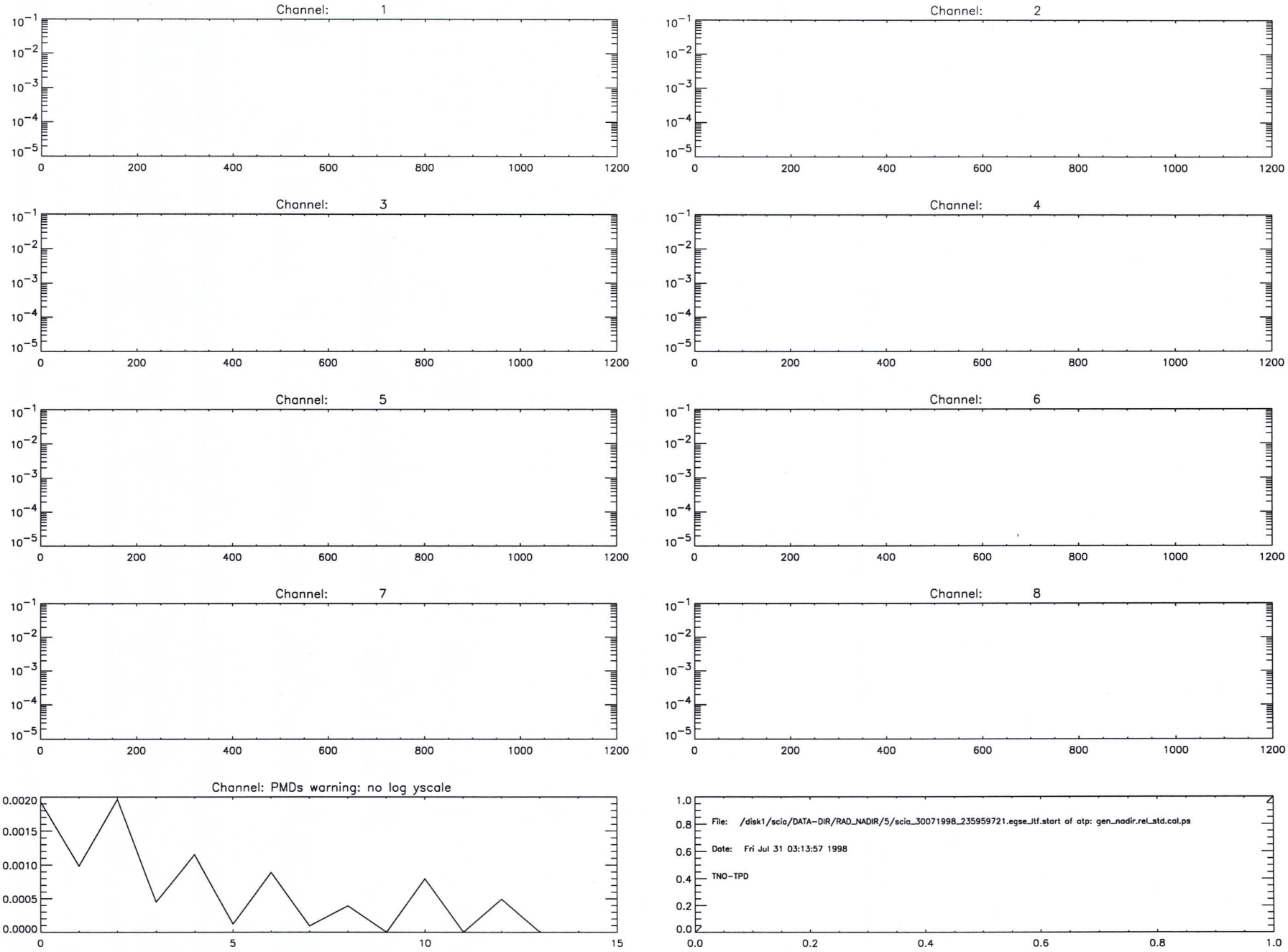

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.ru1.std.cal.ps
Date: Fri Jul 31 03:14:33 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_itf.start of atp: gen_nadir.avg.cal.ps
Date: Fri Jul 31 03:13:57 1998
TNO-TPD


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.start of atp: gen_nadir.rel_std.col.ps
Date: Fri Jul 31 03:13:57 1998
TNO-TPD

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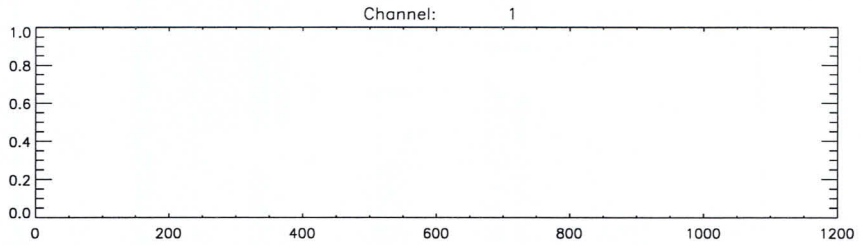
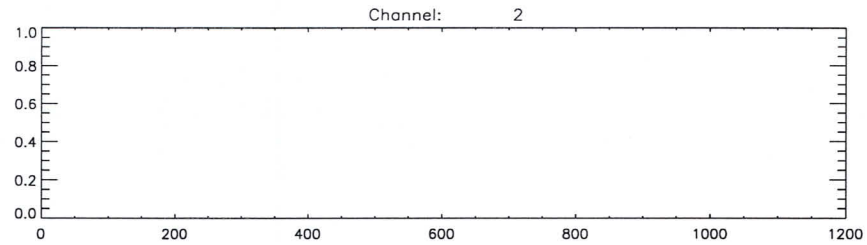
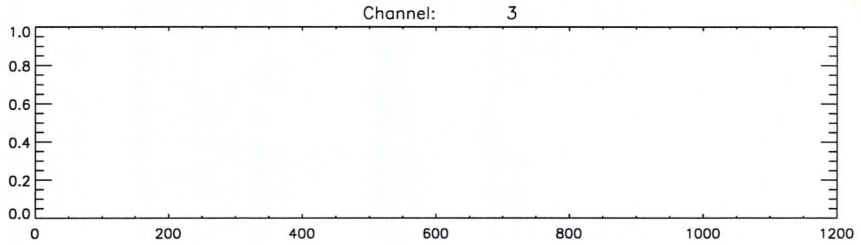
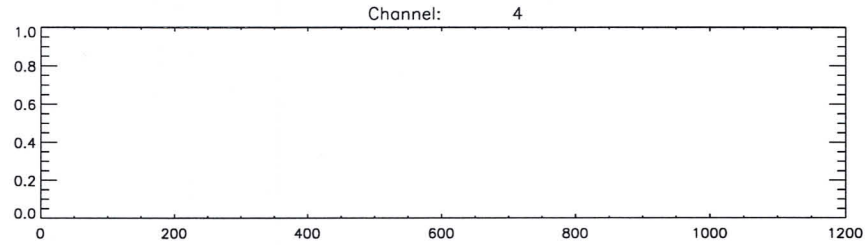
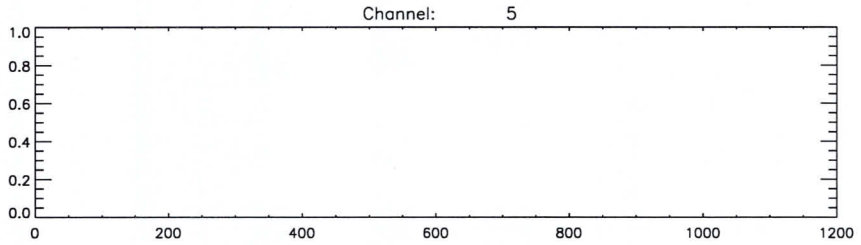
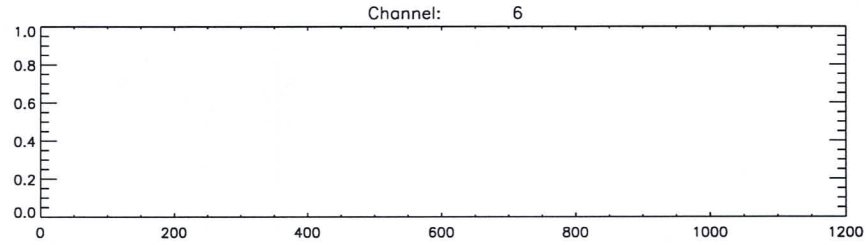

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

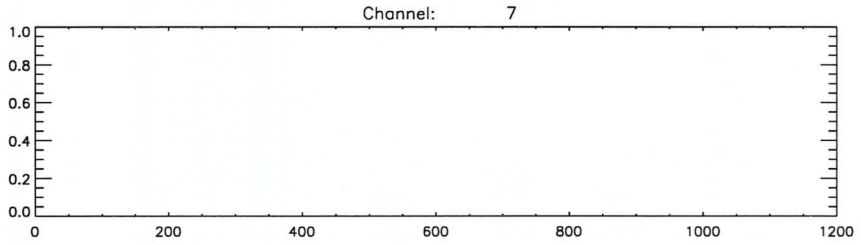

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

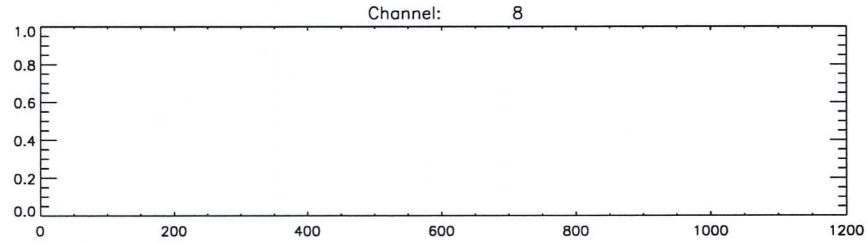

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

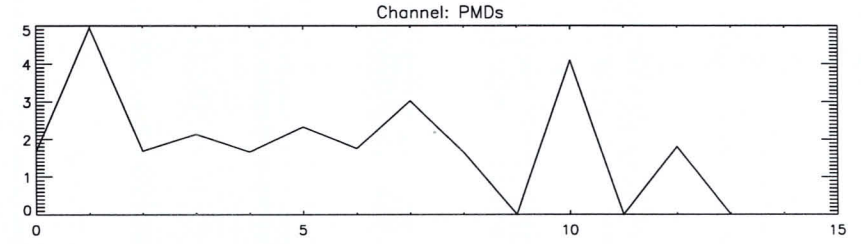

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

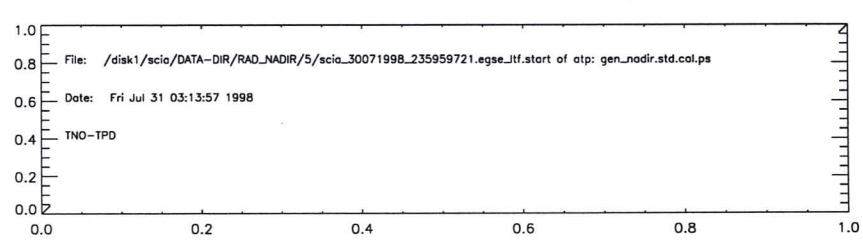

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
5
4
3
2
1
0
0
5
10
15


File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_itf.start of atp: gen_nadir.std.cal.ps
Date: Fri Jul 31 03:13:57 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

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```
time       = Fri Jul 31 03:15:04 1998
batch      = du1
Start TOD = Fri 31-Jul-98 00:15:10
End   TOD = Fri 31-Jul-98 00:27:00
Processing= computation of average, standard dev. and rel.standard dev.
```

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```
time       = Fri Jul 31 03:14:33 1998
batch      = ru1
Start TOD = Fri 31-Jul-98 00:00:10
End   TOD = Fri 31-Jul-98 00:15:10
Processing= computation of average, standard dev. and rel.standard dev.
```

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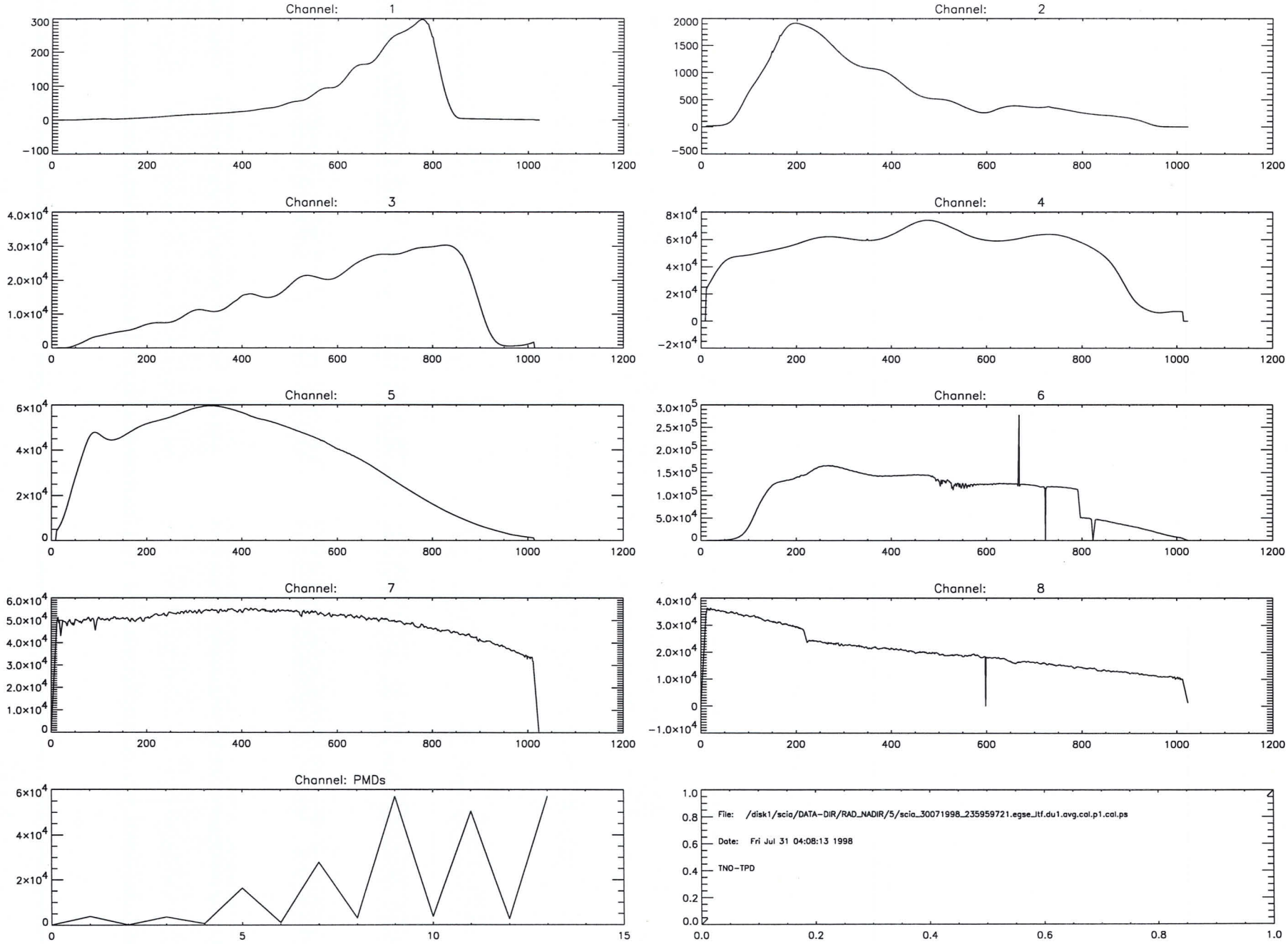
```
time       = Fri Jul 31 03:13:58 1998
batch      = start of atp: gen_nadir
Start TOD = Fri 31-Jul-98 00:00:02
End   TOD = Fri 31-Jul-98 00:00:10
Processing= computation of average, standard dev. and rel.standard dev.
```


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Fri Jul 31 04:08:13 1998
TNO-TPD

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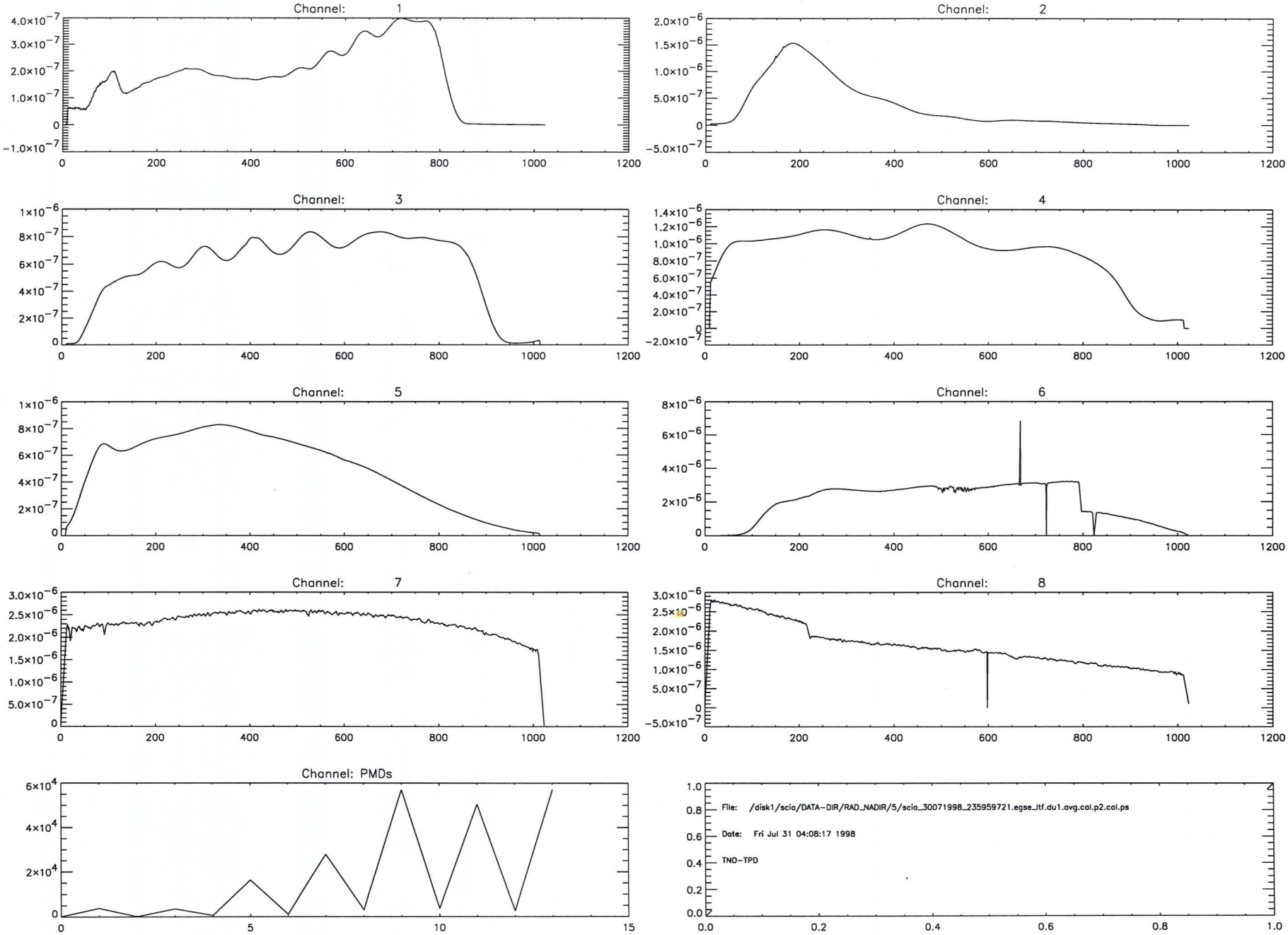
Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Fri Jul 31 04:08:17 1998
TNO-TPD

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal
and

/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 04:08:13 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a[illegible]4lx = #VERSION 0.0
a[illegible]mlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

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Version: 0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 04:08:17 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
[illegible] 4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0

```
#! /bin/sh
mv 211y1232.doc f0
mv 212y0028.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_235959721.dat f8
mv scia_30071998_235959721.egse_ltf f9
mv scia_30071998_235959721.egse_ltf.du1.avg.cal f10
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal f11
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.log f12
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps f13
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps.log f14
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal f15
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.keydata f16
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.log f17
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps f18
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps.log f19
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.ps f20
r  scia_30071998_235959721.egse_ltf.du1.log f21
n. scia_30071998_235959721.egse_ltf.du1.rel_std.cal f22
mv scia_30071998_235959721.egse_ltf.du1.rel_std.cal.ps f23
mv scia_30071998_235959721.egse_ltf.du1.std.cal f24
mv scia_30071998_235959721.egse_ltf.du1.std.cal.ps f25
mv scia_30071998_235959721.egse_ltf.ru1.avg.cal f26
mv scia_30071998_235959721.egse_ltf.ru1.avg.cal.ps f27
mv scia_30071998_235959721.egse_ltf.ru1.log f28
mv scia_30071998_235959721.egse_ltf.ru1.rel_std.cal f29
mv scia_30071998_235959721.egse_ltf.ru1.rel_std.cal.ps f30
mv scia_30071998_235959721.egse_ltf.ru1.std.cal f31
mv scia_30071998_235959721.egse_ltf.ru1.std.cal.ps f32
mv scia_30071998_235959721.egse_ltf.startofatp:gen_nadir.log f33
```

```
#! /bin/sh
mv f0 211y1232.doc
mv f1 212y0028.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_235959721.dat
mv f9 scia_30071998_235959721.egse_ltf
mv f10 scia_30071998_235959721.egse_ltf.du1.avg.cal
mv f11 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal
mv f12 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.log
mv f13 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps
mv f14 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f15 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal
mv f16 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f17 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.log
mv f18 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps
mv f19 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f20 scia_30071998_235959721.egse_ltf.du1.avg.cal.ps
mv f21 scia_30071998_235959721.egse_ltf.du1.log
mv f22 scia_30071998_235959721.egse_ltf.du1.rel_std.cal
mv f23 scia_30071998_235959721.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_30071998_235959721.egse_ltf.du1.std.cal
mv f25 scia_30071998_235959721.egse_ltf.du1.std.cal.ps
mv f26 scia_30071998_235959721.egse_ltf.ru1.avg.cal
mv f27 scia_30071998_235959721.egse_ltf.ru1.avg.cal.ps
mv f28 scia_30071998_235959721.egse_ltf.ru1.log
mv f29 scia_30071998_235959721.egse_ltf.ru1.rel_std.cal
mv f30 scia_30071998_235959721.egse_ltf.ru1.rel_std.cal.ps
mv f31 scia_30071998_235959721.egse_ltf.ru1.std.cal
mv f32 scia_30071998_235959721.egse_ltf.ru1.std.cal.ps
mv f33 scia_30071998_235959721.egse_ltf.startofatp:gen_nadir.log
```

Formal Run of Measurement

(Measurement ID) UID 33

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run		(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	33									
Repetitions	10									

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

STEP 2.2
min dist +0.500 m
UID 33

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	1	64						
4	0.5	64						
5	0.5	64						
6	0.125	64						
7	0.5	64						
8	1	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]

Measurement Data Description

Test Purpose	UID 33
Remark	min dist +0.500
Data Directory	0212_01.04.51_GEN_NAOIR

Signatures

	Date	Signature
Issued	30/7/98	
< Performed	31/7/98	

(1)

Analysis UID 33

Nadir radiance

min. dist. + 500 mm

STEP	ACTION	RESULT	MARKER
Intro	Your name:	M te Plate	
	Date:	31/7/98	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	0212_01.04.51-GEN_NADIR	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	cd ~/DATA-DIR/RAD-NADIR ; ls -l		Note: In window DATA-DIR
	highest number in directory?	6	(B)
	New directory: mkdir <B+1> ls -l What's now the highest number in directory? <C> should be <B> + 1	7 (Y) / N	(C)
	directory name is:	~/DATA-DIR/RAD-NADIR/<C>	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	cal_raw2ltf . (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and dremark1 labels should be filled) ls -l *.egse_ltf		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	scia_31071998_012659572.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		In DATA-DIR window
	size:	145998 b	should be approx 150Kb

(2)

Nadir radiance

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

size: 145998 — should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, and IU 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 light file `*ru*.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

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

Radiance processing

Run radiance `idl do_radiance` — In IDL window

Check radiance `ls -l * | more` — In DATA-DIR window

Size of file `<D>.du*.avg.cal.p1.cal` 145998 — should be approx 150Kb

(3)

Nadir radiance

	Size of file `<D>.du*.avg.cal.p2.cal`	145998

Check radiance visually	`lpr -P<printer>`
	`*.p[12]M.cal.ps`
	Value of P1 and P2 file resemble white light source?
		(Y) / N

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

Print logfiles	`lpr -P<printer>`
	`*.p[12].cal.log`
	Add logfiles to logbook, done
		(Y) / N

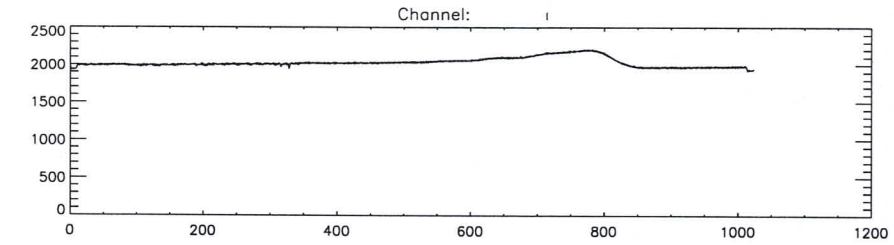
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	See analysis sheet BackUp

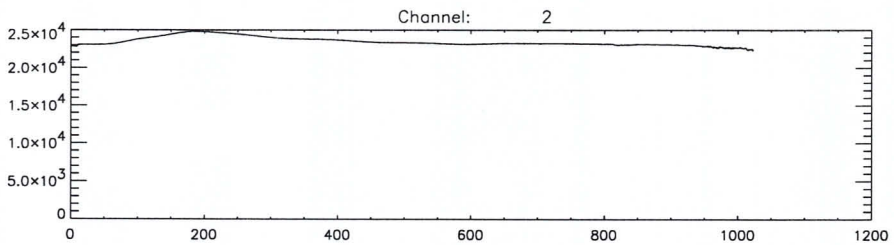
Sign:	Name	
	Date and time	
	Signature	

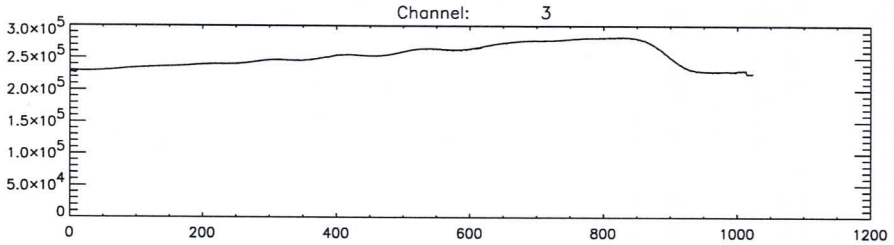
(4)

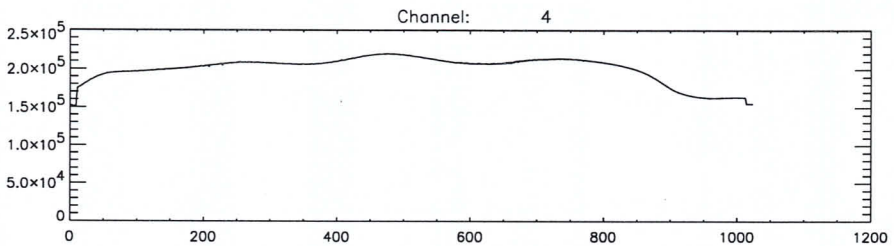
Transfer Data File

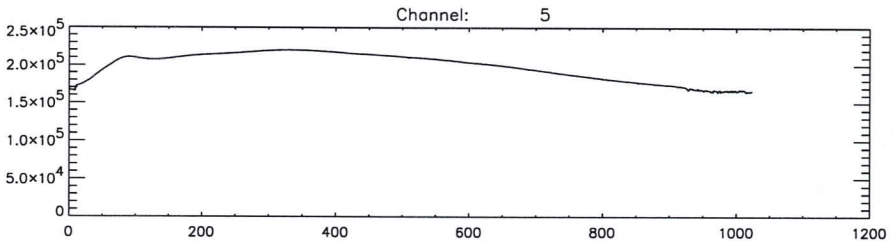
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. te Plate 31/7/98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0212_01.04.51_GEN_NADIR	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do Transfer	Be sure that you are in the 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	M te Plate 31/7/98	

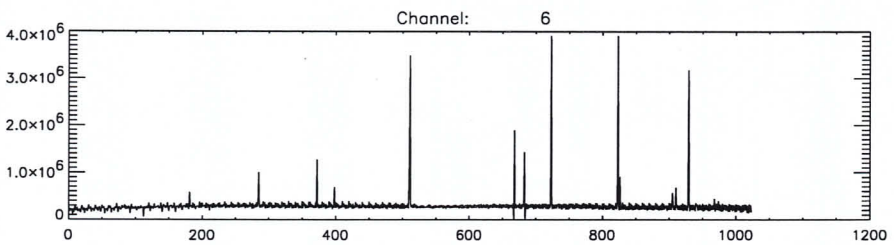

Channel:
2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

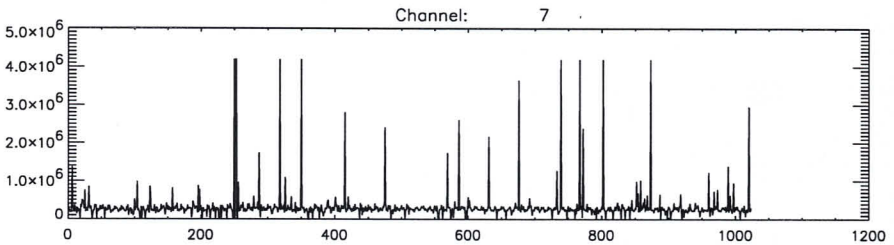

Channel: 2
2.5×10^4
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
0
200
400
600
800
1000
1200

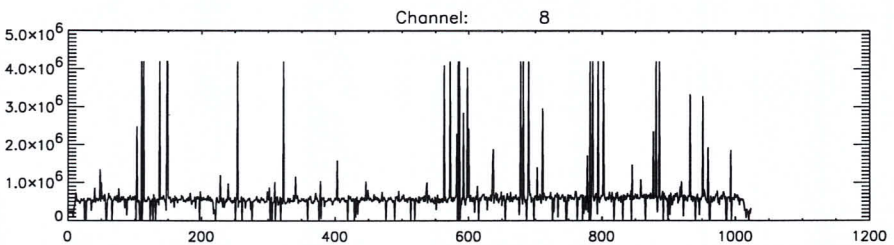

Channel: 3
3.0×10^5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

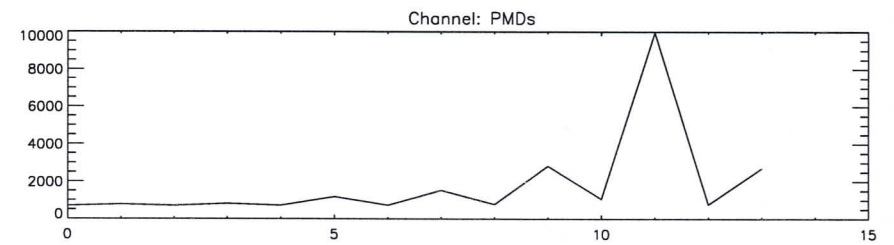

Channel: 4
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

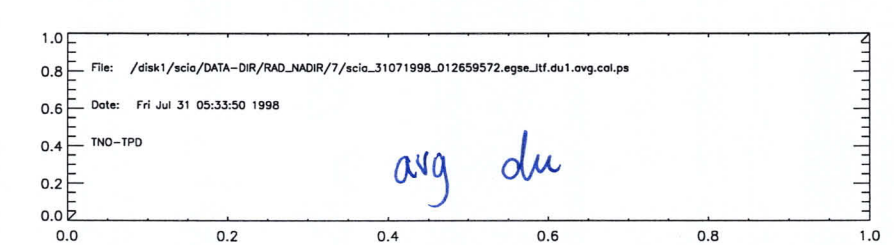

Channel: 5
2.5×10^5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200


Channel: 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

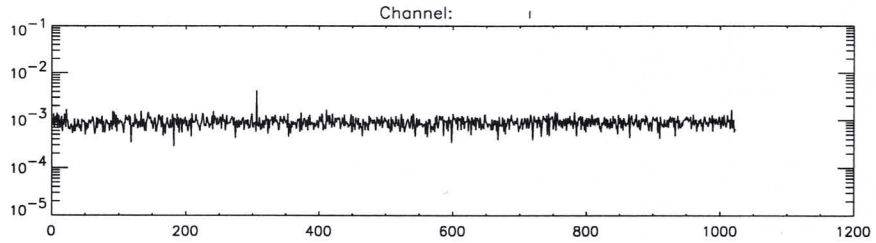

Channel: 7
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

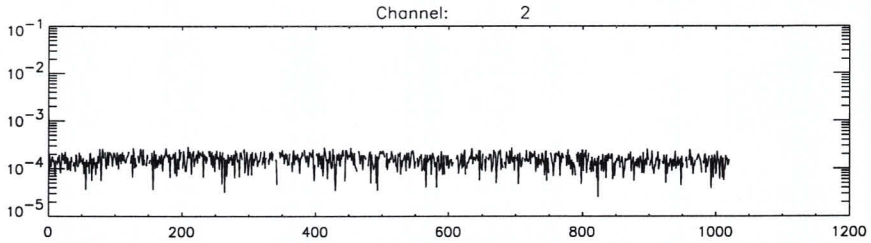

Channel: 8
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

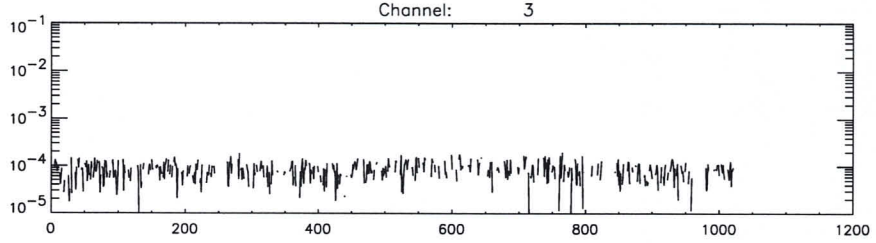

Channel: PMDs
10000
8000
6000
4000
2000
0
0
5
10
15

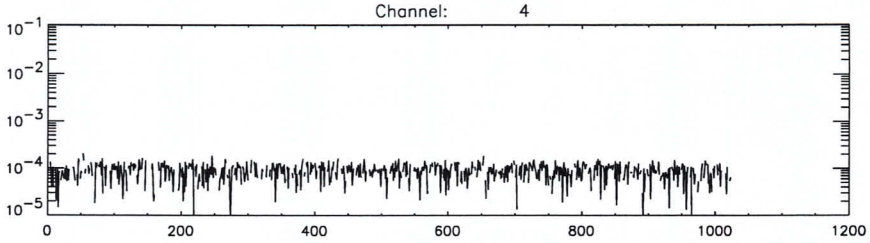

File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_itf.du1.avg.cal.ps
Date: Fri Jul 31 05:33:50 1998
TNO-TPD
avg du
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

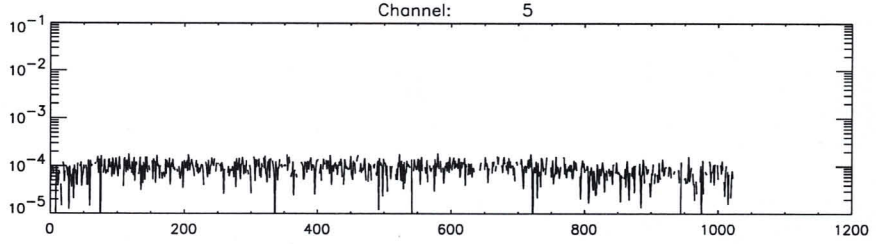
(7)

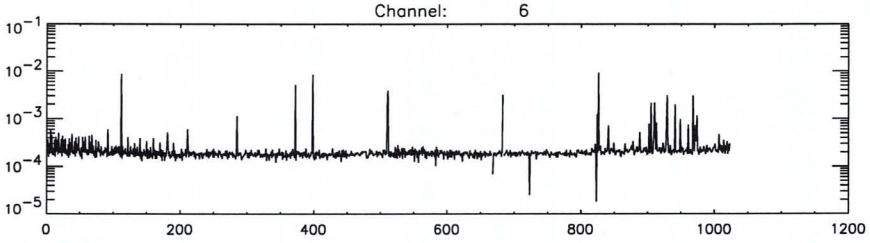

Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

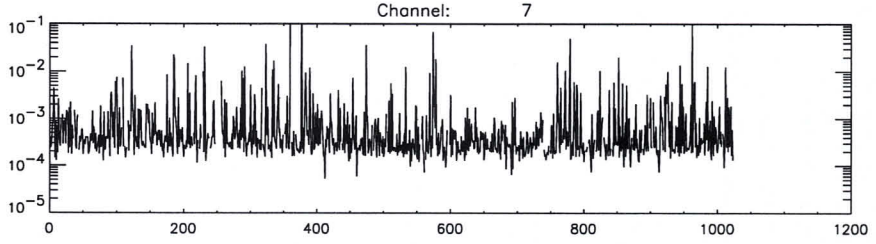

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

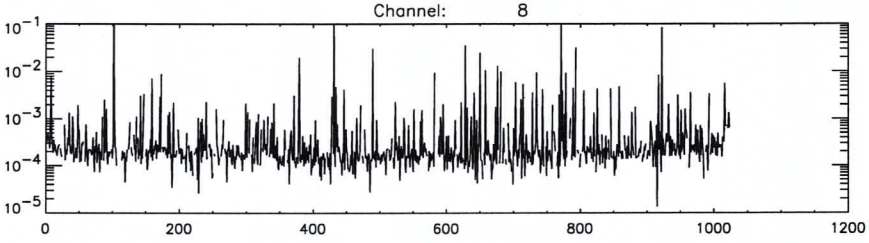

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

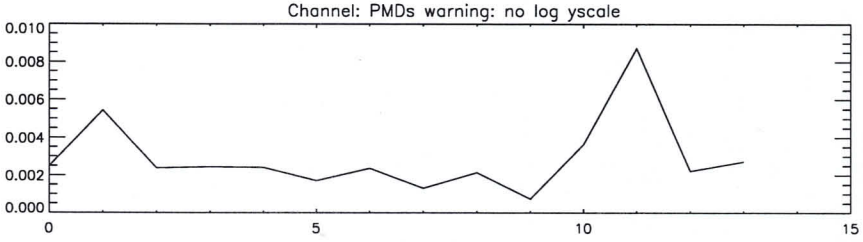

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

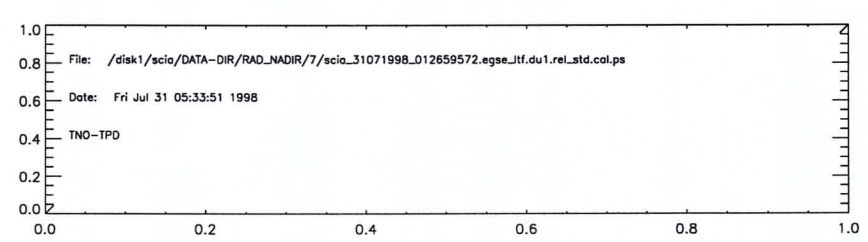

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


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

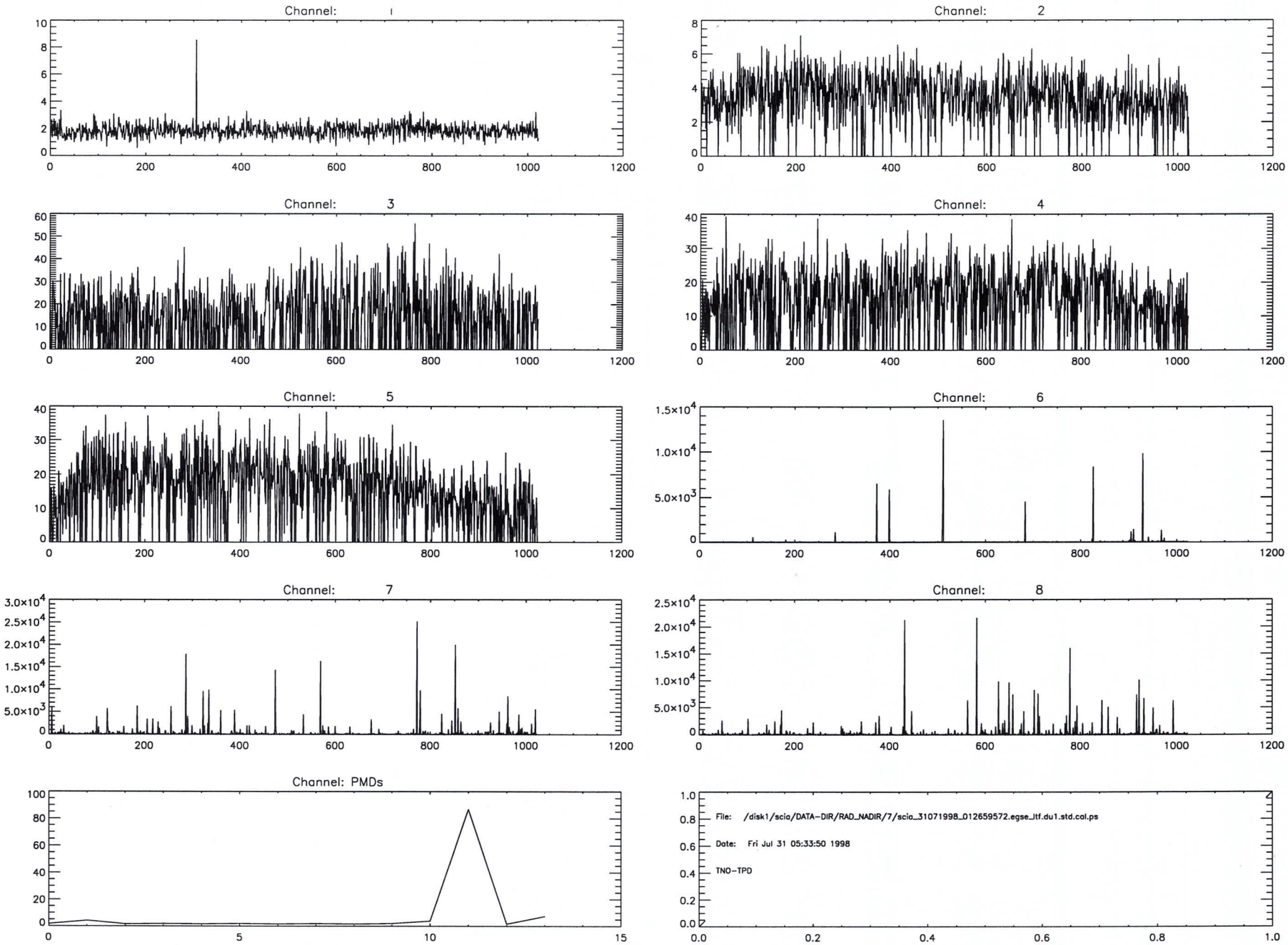

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


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


Channel: PMDs warning: no log yscale
0.010
0.008
0.006
0.004
0.002
0.000
0
5
10
15

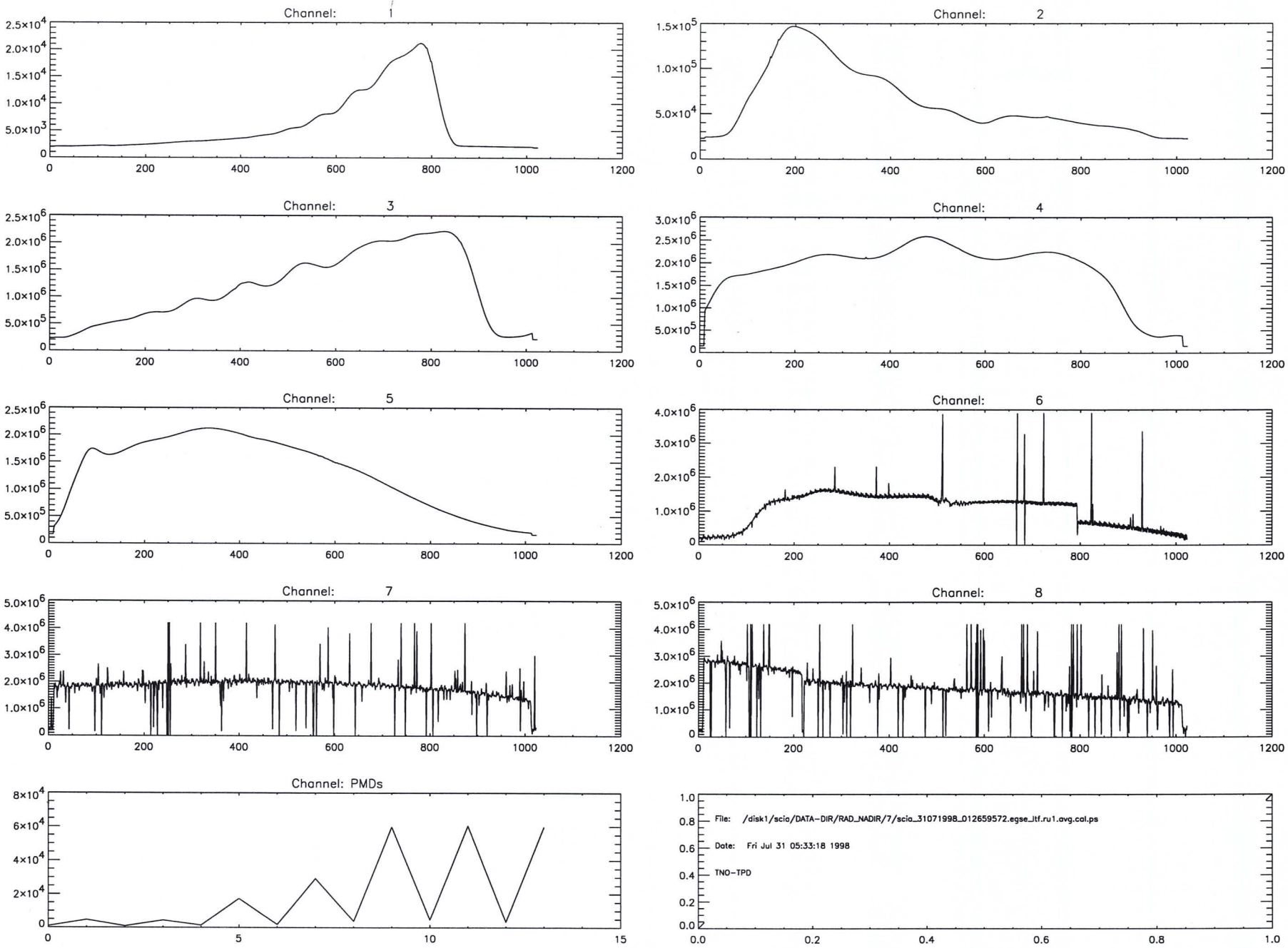

File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_itf.du1.rel_std.cal.ps
Date: Fri Jul 31 05:33:51 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

rel. std. R

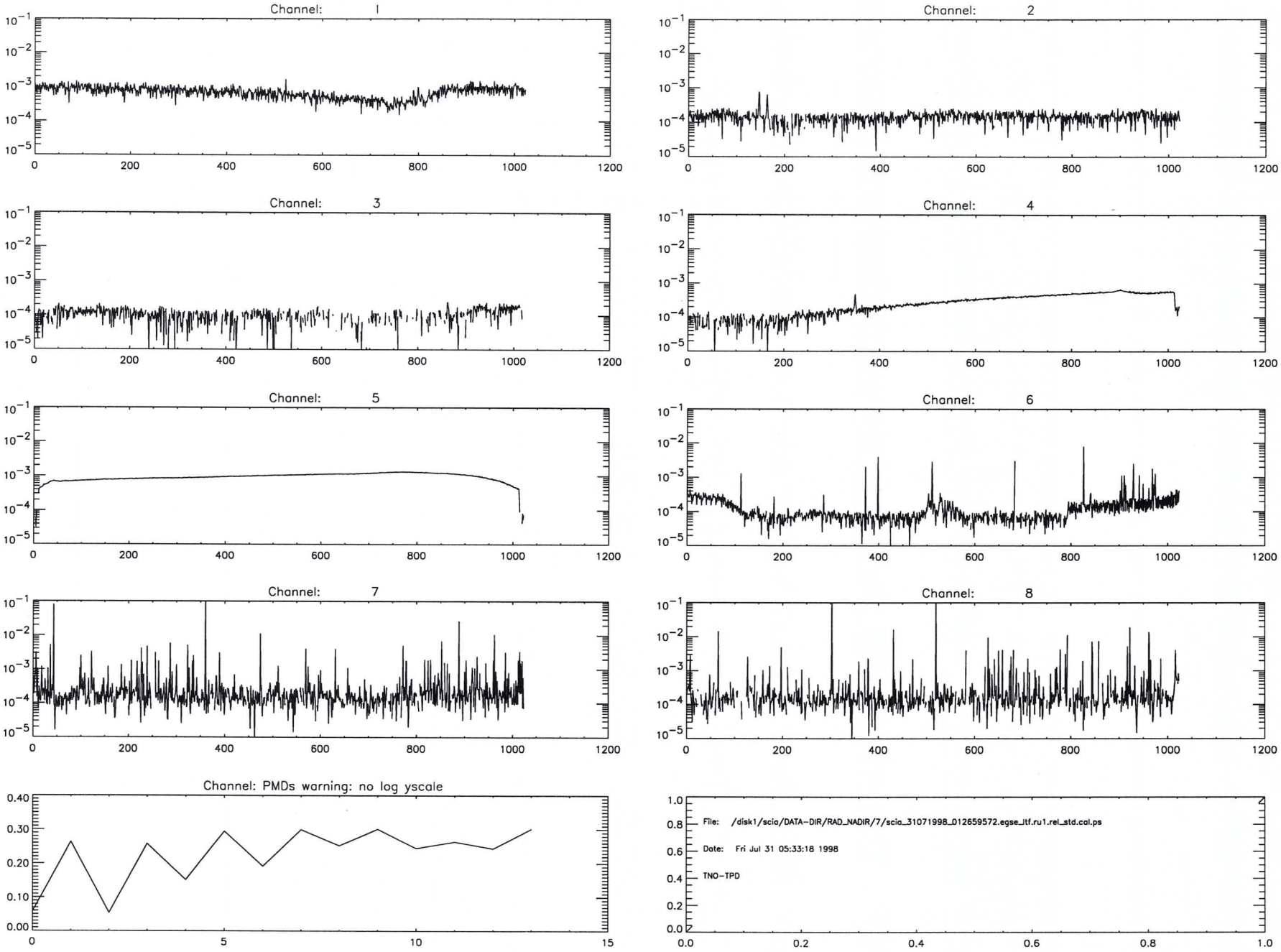

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.std.col.ps
Date: Fri Jul 31 05:33:50 1998
TNO-TPD

std.

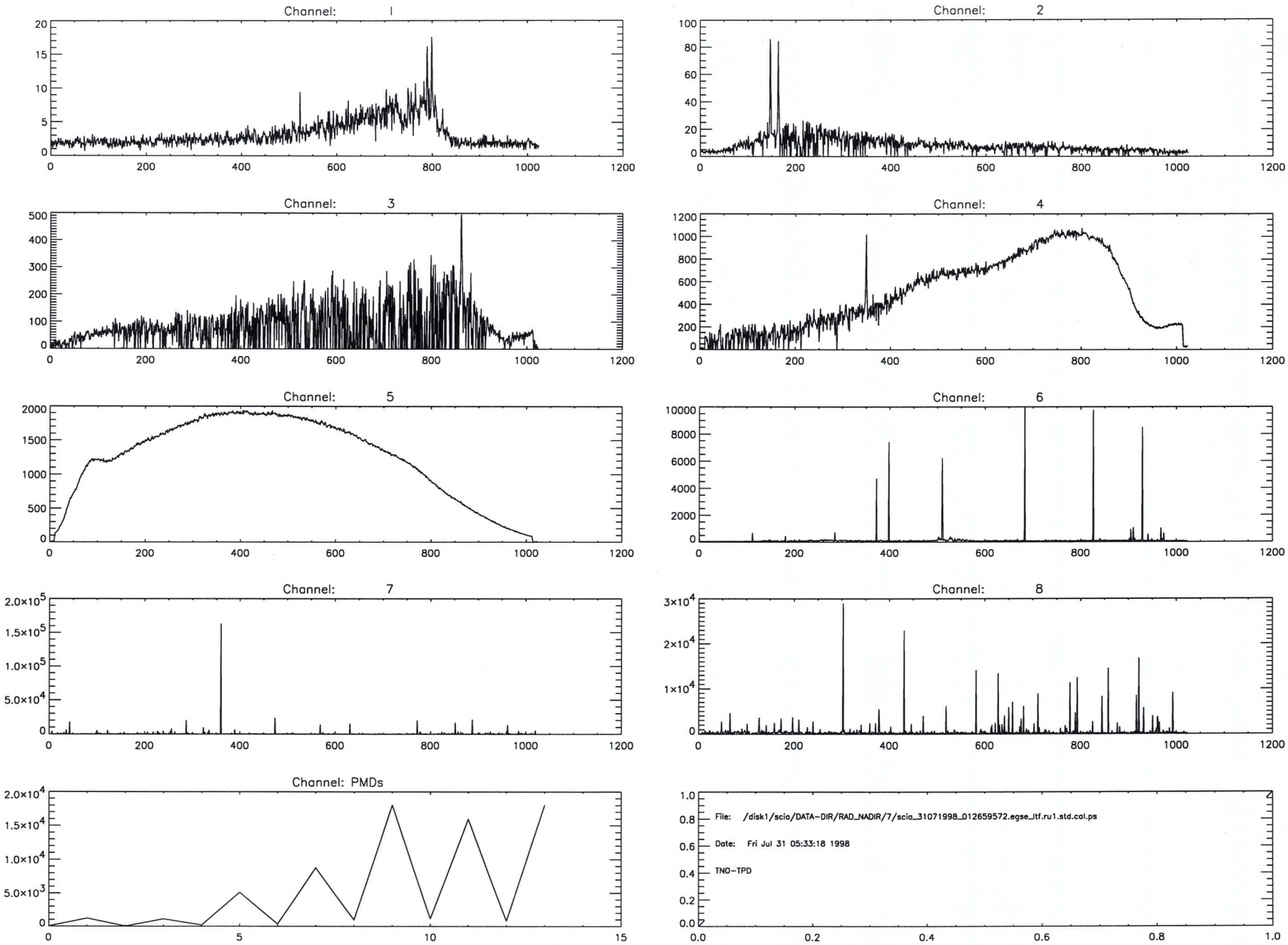
(9)


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.ru1.avg.cal.ps
Date: Fri Jul 31 05:33:18 1998
TNO-TPD

avg


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.ru1.rel_std.cal.ps
Date: Fri Jul 31 05:33:18 1998
TNO-TPD

rel. std


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.ru1.std.cal.ps
Date: Fri Jul 31 05:33:18 1998
TNO-TPD

std.

(12)

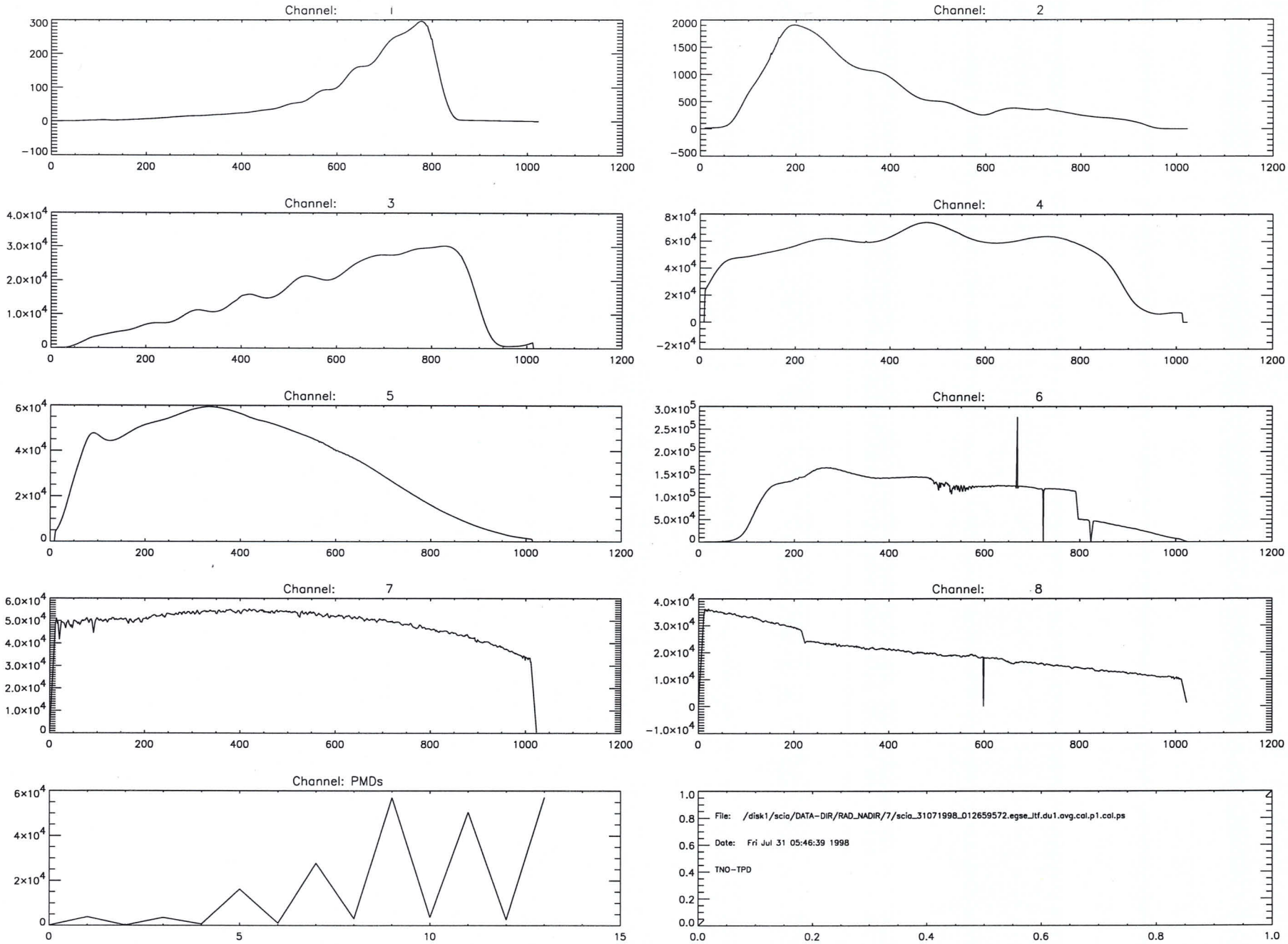
```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_31071998_012659572.egse_ltf.du1.log
#####
#####             scia6
#####
#####    Printed: Fri 05:33 Jul 31, 1998
#####
##### Job number: hp6mp-280
#####
#####
#####
#####
#####
```

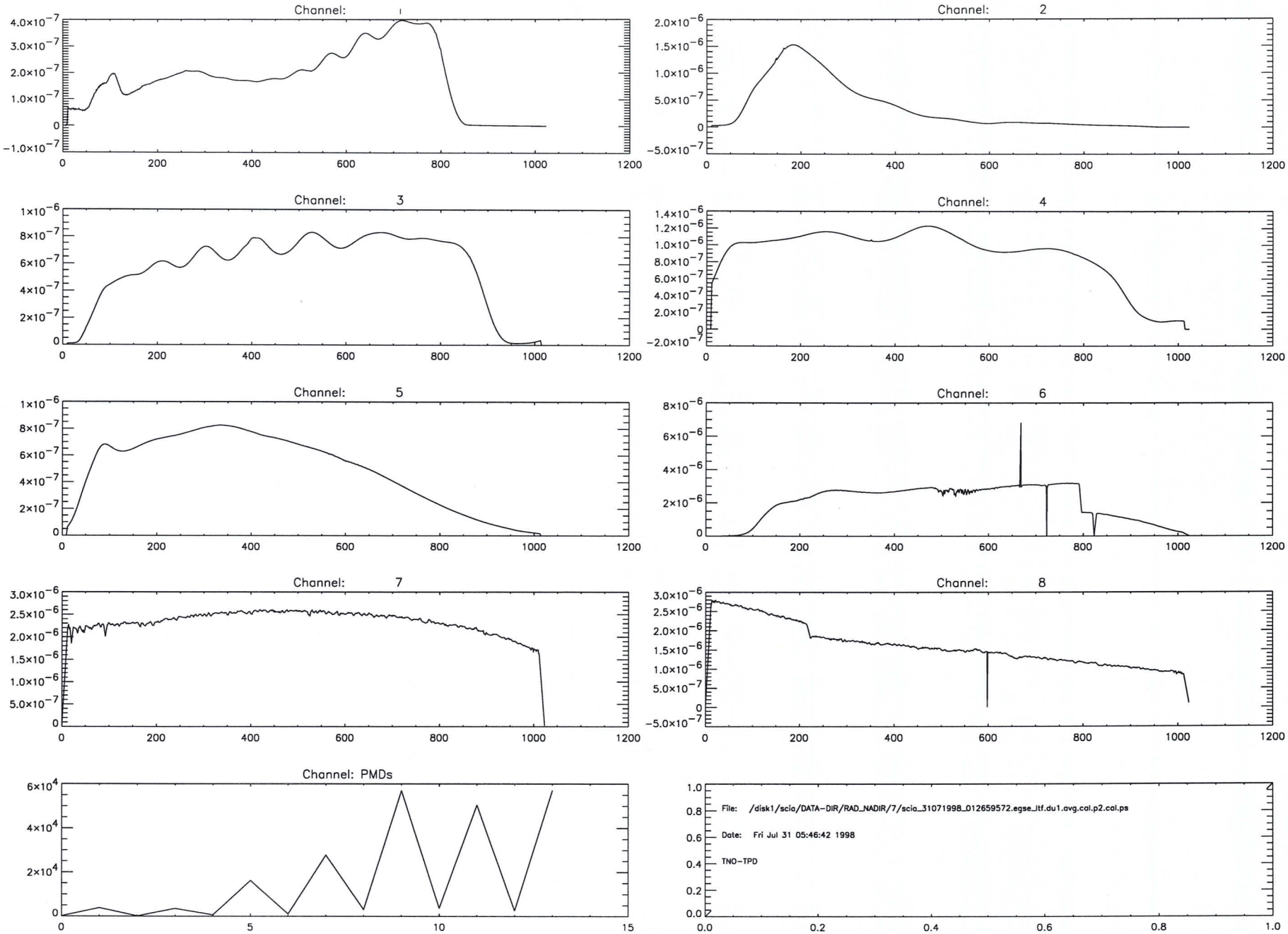
```
time       = Fri Jul 31 05:33:51 1998
batch      = du1
Start TOD = Fri 31-Jul-98 01:40:50
End   TOD = Fri 31-Jul-98 01:52:40
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 05:33:18 1998
batch      = ru1
Start TOD = Fri 31-Jul-98 01:27:02
End   TOD = Fri 31-Jul-98 01:40:50
Processing= computation of average, standard dev. and rel.standard dev.
```

(15)

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps
#####
#####             scia6
#####
#####    Printed: Fri 05:39 Jul 31, 1998
#####
##### Job number: hp6mp-281
#####
#####
#####
#####
#####
```


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Fri Jul 31 05:46:39 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/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Fri Jul 31 05:46:42 1998
TNO-TPD

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 05:46:38 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
;   4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 05:46:42 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
¿   4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
#! /bin/sh
mv 212y0104.doc f0
mv 212y0153.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_012659572.dat f8
mv scia_31071998_012659572.egse_ltf f9
mv scia_31071998_012659572.egse_ltf.du1.avg.cal f10
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal f11
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.log f12
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps f13
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps.log f14
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal f15
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.keydata f16
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.log f17
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps f18
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps.log f19
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.ps f20
r   scia_31071998_012659572.egse_ltf.du1.log f21
m.  scia_31071998_012659572.egse_ltf.du1.rel_std.cal f22
mv scia_31071998_012659572.egse_ltf.du1.rel_std.cal.ps f23
mv scia_31071998_012659572.egse_ltf.du1.std.cal f24
mv scia_31071998_012659572.egse_ltf.du1.std.cal.ps f25
mv scia_31071998_012659572.egse_ltf.ru1.avg.cal f26
mv scia_31071998_012659572.egse_ltf.ru1.avg.cal.ps f27
mv scia_31071998_012659572.egse_ltf.ru1.log f28
mv scia_31071998_012659572.egse_ltf.ru1.rel_std.cal f29
mv scia_31071998_012659572.egse_ltf.ru1.rel_std.cal.ps f30
mv scia_31071998_012659572.egse_ltf.ru1.std.cal f31
mv scia_31071998_012659572.egse_ltf.ru1.std.cal.ps f32
```

```
#! /bin/sh
mv f0 212y0104.doc
mv f1 212y0153.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_31071998_012659572.dat
mv f9 scia_31071998_012659572.egse_ltf
mv f10 scia_31071998_012659572.egse_ltf.du1.avg.cal
mv f11 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal
mv f12 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.log
mv f13 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps
mv f14 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f15 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal
mv f16 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f17 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.log
mv f18 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps
mv f19 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f20 scia_31071998_012659572.egse_ltf.du1.avg.cal.ps
r   f21 scia_31071998_012659572.egse_ltf.du1.log
mv f22 scia_31071998_012659572.egse_ltf.du1.rel_std.cal
mv f23 scia_31071998_012659572.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_31071998_012659572.egse_ltf.du1.std.cal
mv f25 scia_31071998_012659572.egse_ltf.du1.std.cal.ps
mv f26 scia_31071998_012659572.egse_ltf.ru1.avg.cal
mv f27 scia_31071998_012659572.egse_ltf.ru1.avg.cal.ps
mv f28 scia_31071998_012659572.egse_ltf.ru1.log
mv f29 scia_31071998_012659572.egse_ltf.ru1.rel_std.cal
mv f30 scia_31071998_012659572.egse_ltf.ru1.rel_std.cal.ps
mv f31 scia_31071998_012659572.egse_ltf.ru1.std.cal
mv f32 scia_31071998_012659572.egse_ltf.ru1.std.cal.ps
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	de Plate 31/7/98	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`./mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
	
	Via ftp on CD-writer PC: copy files in directory <D> (including s_names and s_names) to PC (On PC maintain directory structure of DATA-DIR).
		(Y)/ N
		
		(Y)? N
		
		(Y)/ N
			files in directory on PC

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

Formal Run of Measurement

(Measurement ID) GEN_NADIR

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

Scanner Positions

Azimuth	+45	deg
Elevation	-45	deg

30/7 23.20 REDO WD 22

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	33									
Repetitions	10									

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	1	64						
4	0.5	64						
5	0.5	64						
6	0.125	64						
7	0.5	64						
8	1	64						
State ID								

Stop 2-4 1st mod WD 22

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	[illegible] 22
Remark	—
Data Directory	0[illegible]1_01.07.14_GEN_NADIR

Signatures

	Date	Signature
Issued	[illegible]	[illegible]
< Performed	30-7	[illegible]

Redo UID 22 analysis

Nadir radiance

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Maurice de Plate	
	Date:	30/7/1998 time 23.20	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	0211_01.07.14_GEN_NADIR (A)	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	3 (B)	
	New directory: `mkdir <B+1>` `ls -l`		
	What's now the highest number in directory?	4 (C)	
	<C> should be <B> + 1	(Y) / N	
	directory name is:	`~/DATA-DIR/RAD-NADIR/<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_30071998_01102958g.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`		In DATA-DIR window
	size:	145998 b	should be approx 150Kb

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

size: 145998 b — should be approx 150Kb

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

Print postscript

Print postscript files: hp6mp
`lpr -P<printer> *.ps`
Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: (Y) / N
Contents light file `*ru*.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

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

Radiance processing

Run radiance `idl do_radiance` — In IDL window

Check radiance `ls -l * | more` — In DATA-DIR window

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

Size of file
<D>.du*.avg.cal.p2.cal 145 998b

Check radiance visually

```
lpr -P<printer>
*.p[12].*.cal.ps
```

.* is niet noodzakelijk en fout hier moet zijn lpr -P hp6mp *.p1.cal.ps

Value of P1 and P2 file resemble white light source? Y / N → strange channel 1 values for ~~[illegible]~~ p2.cal.ps.

Add postscript images to logbook, done Y / N

Print logfiles

```
lpr -P<printer>
*.p[12].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 300798C ~~[illegible]~~ (Redo UID 22)
Radiance Nadir scia6/DATA-DIR/RAD_NADIR/4

Sign:

Name Maurice te Plate

Date and time 30/7/98

Signature [signature]

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. te Plate 30/7/1998	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	0211_01.07.14_GEN_NADIR (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`	ftp cdwpc anonymous password: bla bla > bin cd GEARING95 ls ga naar gewenste directory In DATA window cd gewenste directory Approx. 140 kB > mget * overal yes geven	In DATA-DIR window In DATA window
Sign:	Name Date and time Signature	M te Plate 30/7/98 23.30	

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M. te Plate 30/7/98	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed? → yes
	`s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer> s_names l_names`
	Add output to log book, done?
		Y / N
		
		Y / N
		
		Y / N	

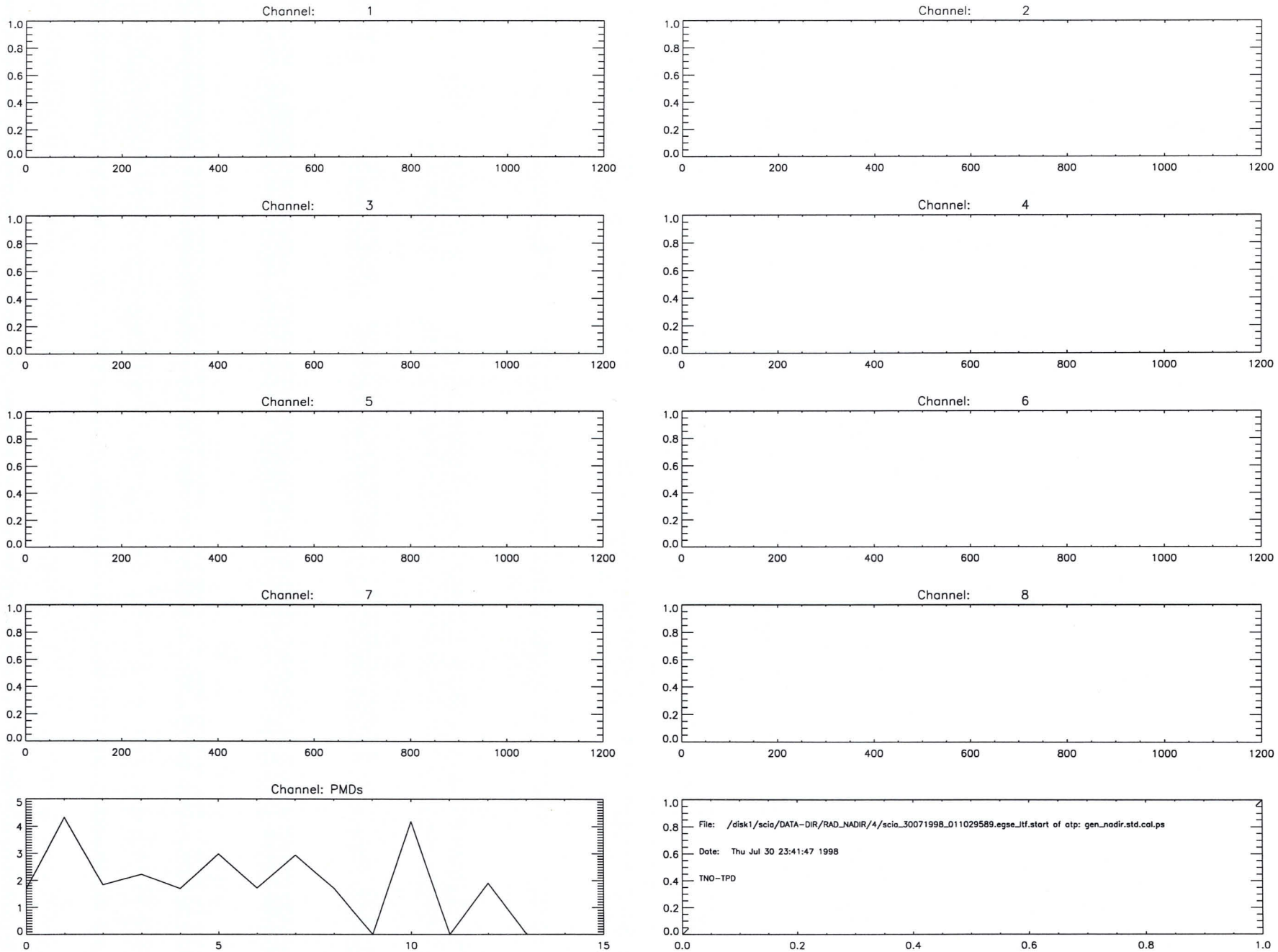
	Via ftp on CD-writer PC: copy files in directory <D> (including s_names and l_names) to PC (On PC maintain directory structure of DATA-DIR).	files in directory on PC	
Backup CORR directory	Do always Let <D> be the directory `~/DATA-DIR/CORR`		
	Via ftp on CD-writer PC: copy files in directory <D> to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

./ mag blijkbaar niet direct gebruikworden: geeft unrecognized command error.

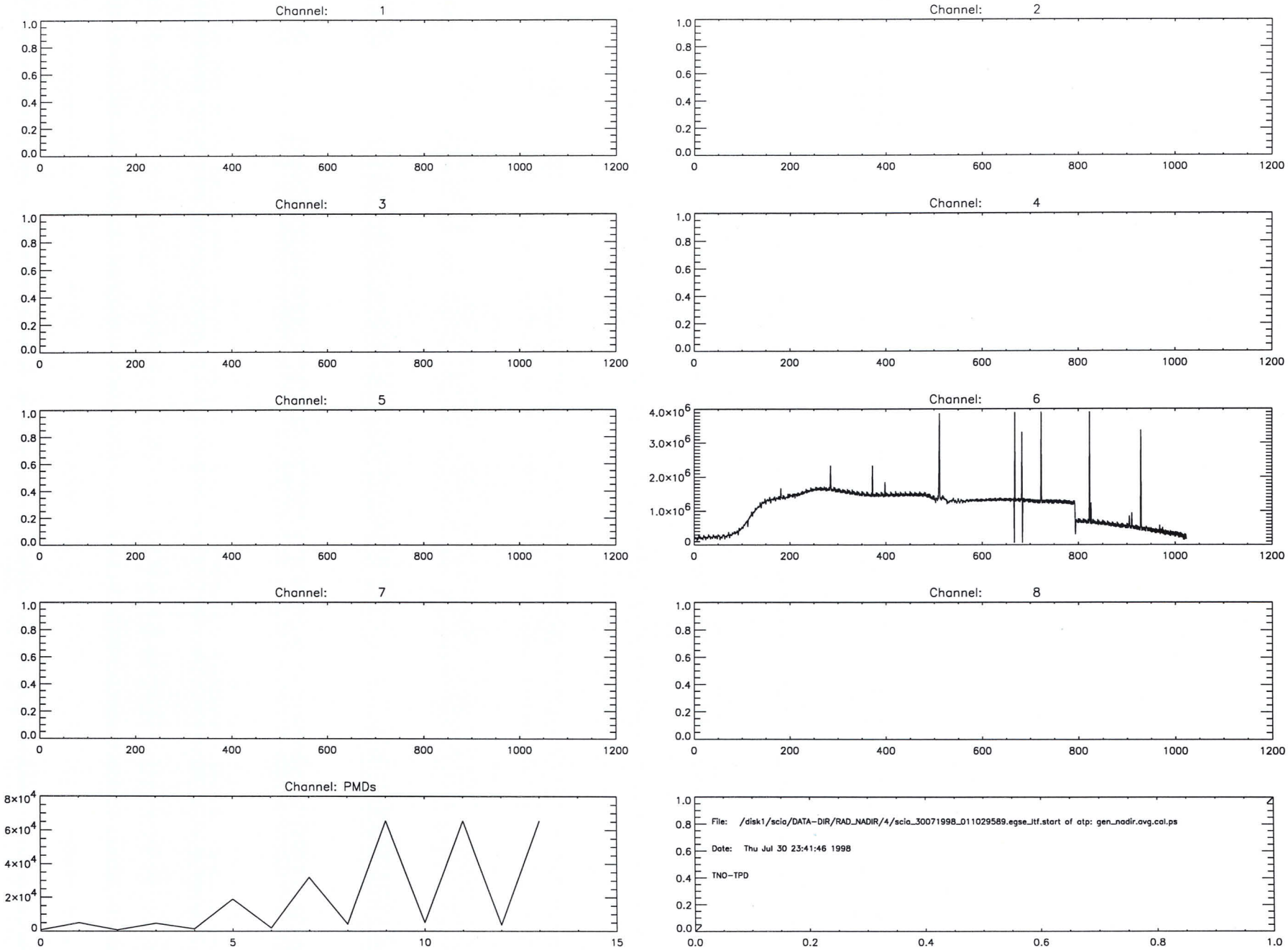
30/7 [illegible] REDO [illegible] 22. [illegible]

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_30071998_011029589.egse_ltf.du1.avg.cal.ps
#####
#####             scia6
#####
#####    Printed: Thu 23:40 Jul 30, 1998
#####
##### Job number: hp6mp-258
#####
#####
#####
#####
#####
```

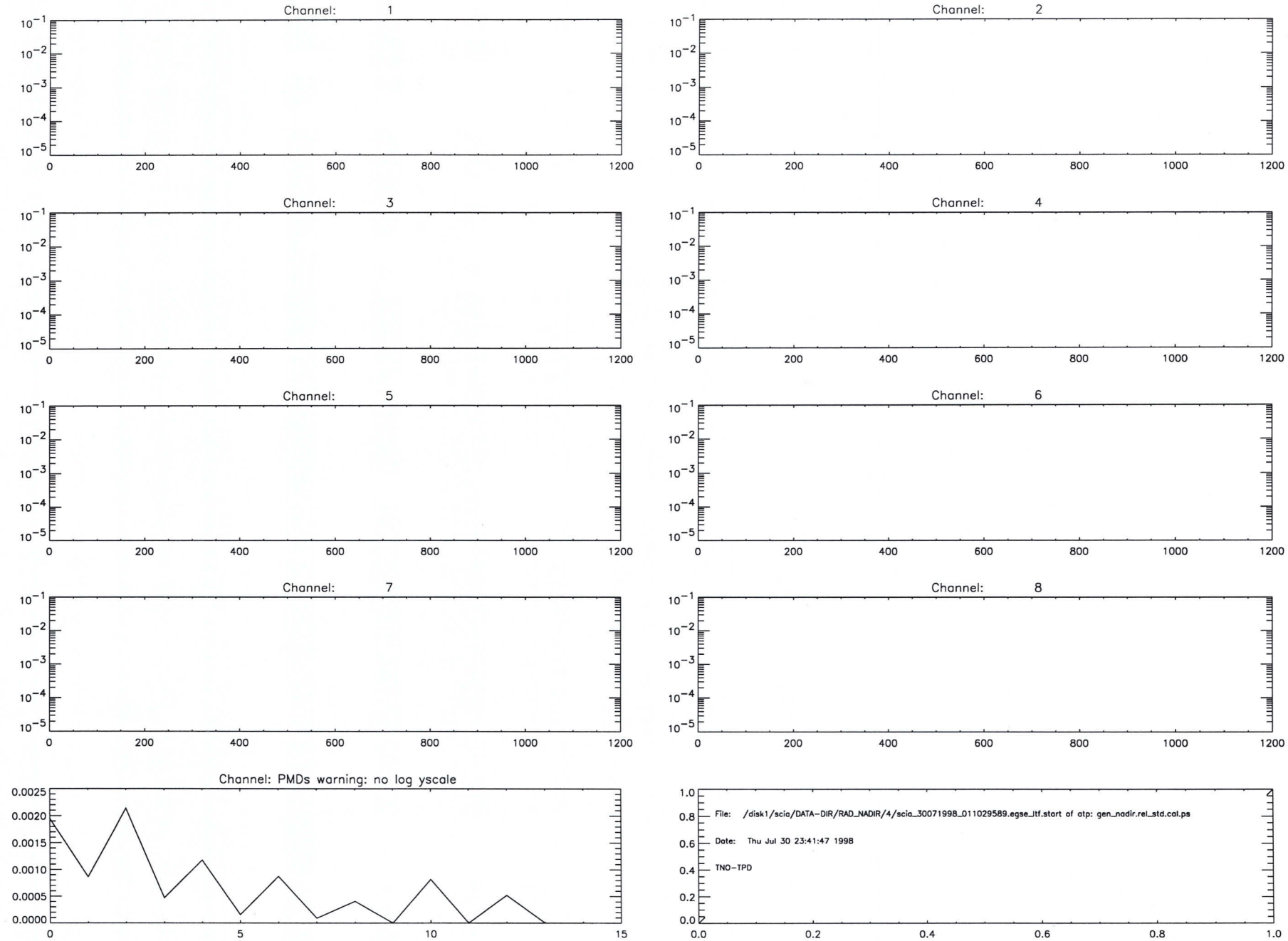
30/7 23:20 REDO UID 22 ANA LS SCIP



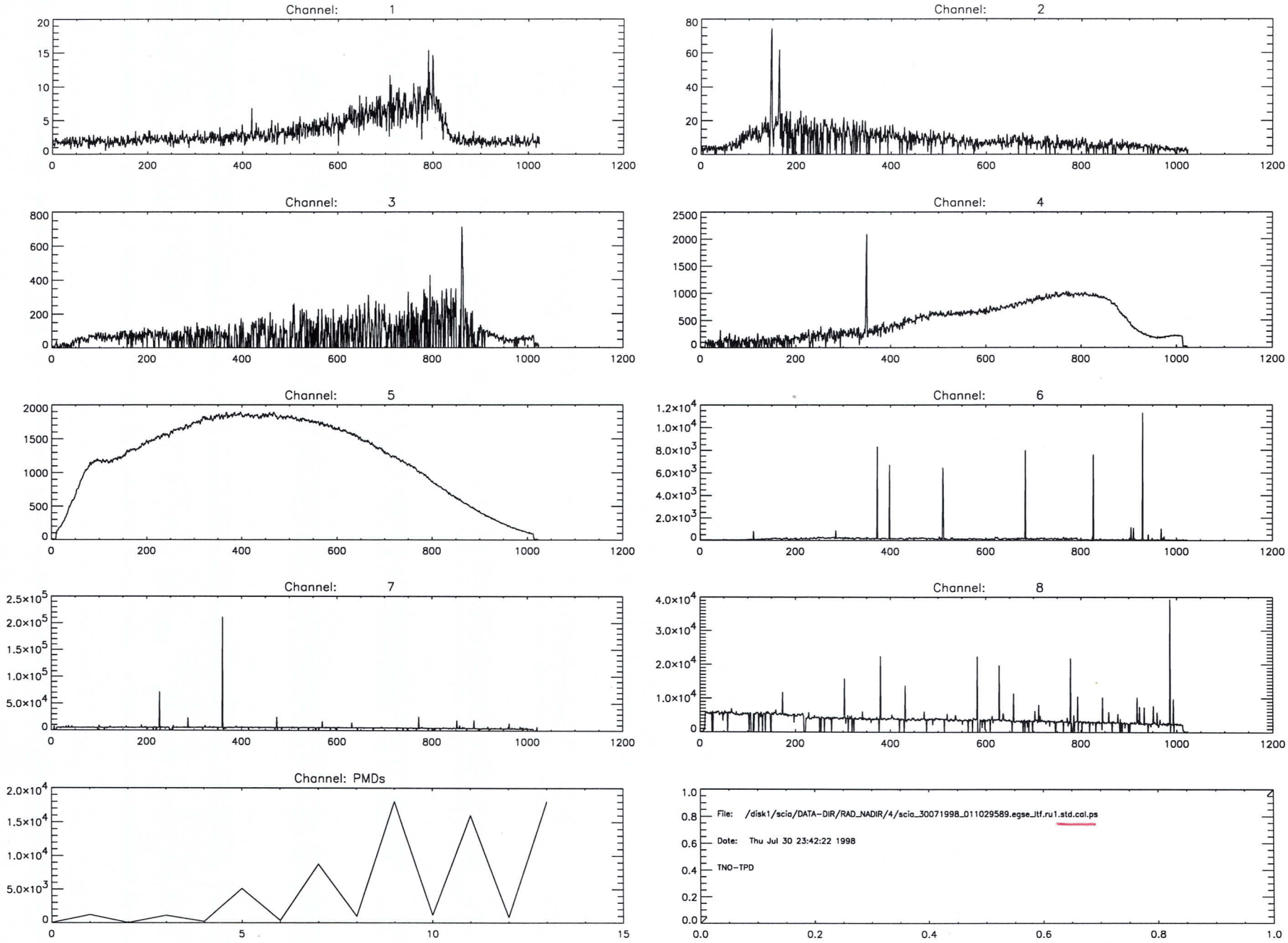
30/7 '23.20 REDO GCD 22 ANALYSIS

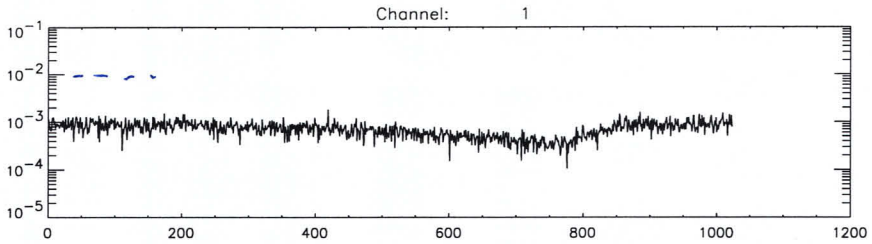


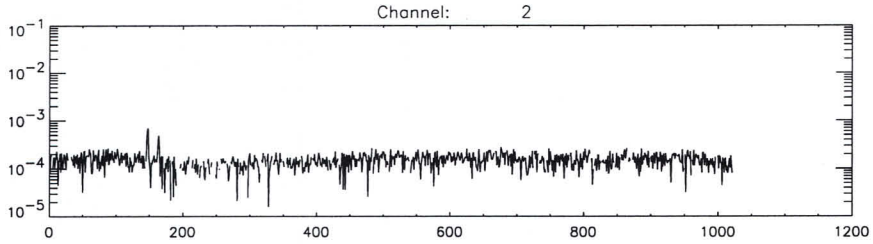
20/7 23 20 RESO 4 [illegible]

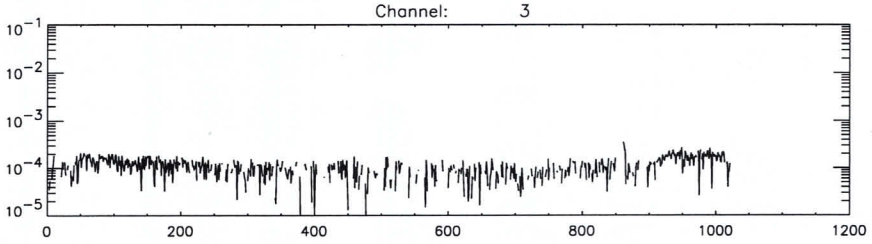


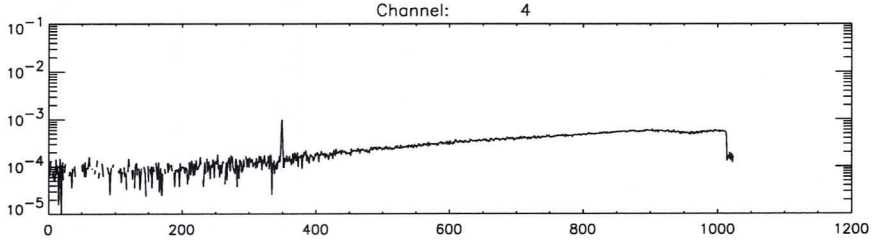
30/7 23.20 REDO 410 22 ORBITS

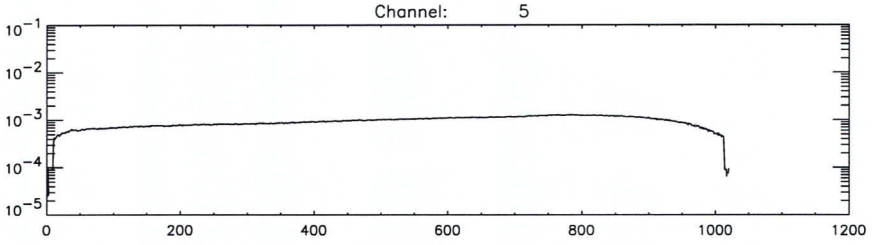


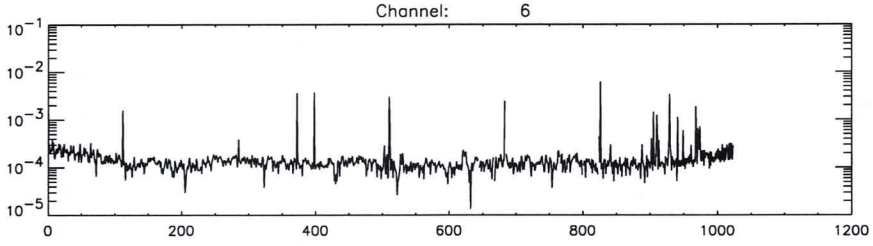

Channel: 1

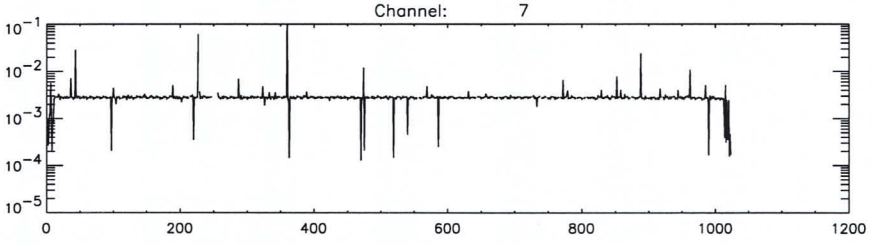

Channel: 2

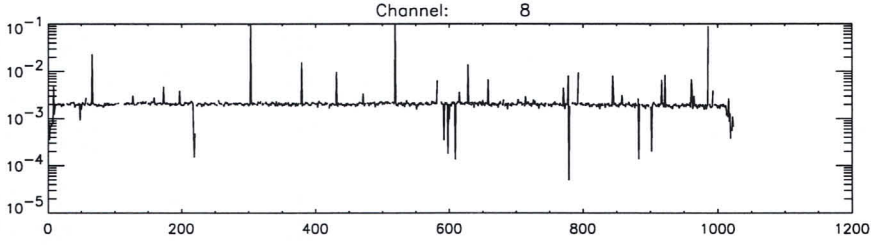

Channel: 3

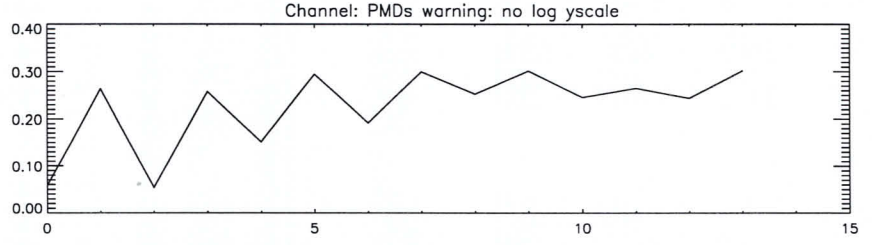

Channel: 4

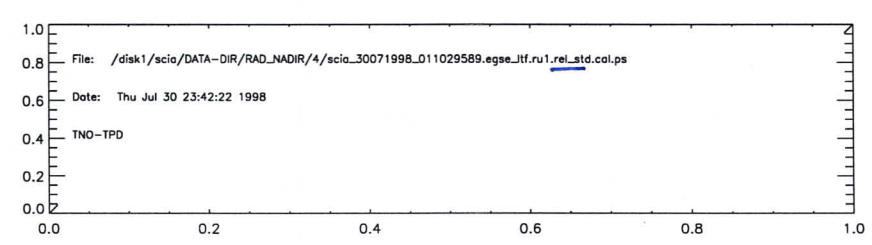

Channel: 5


Channel: 6


Channel: 7

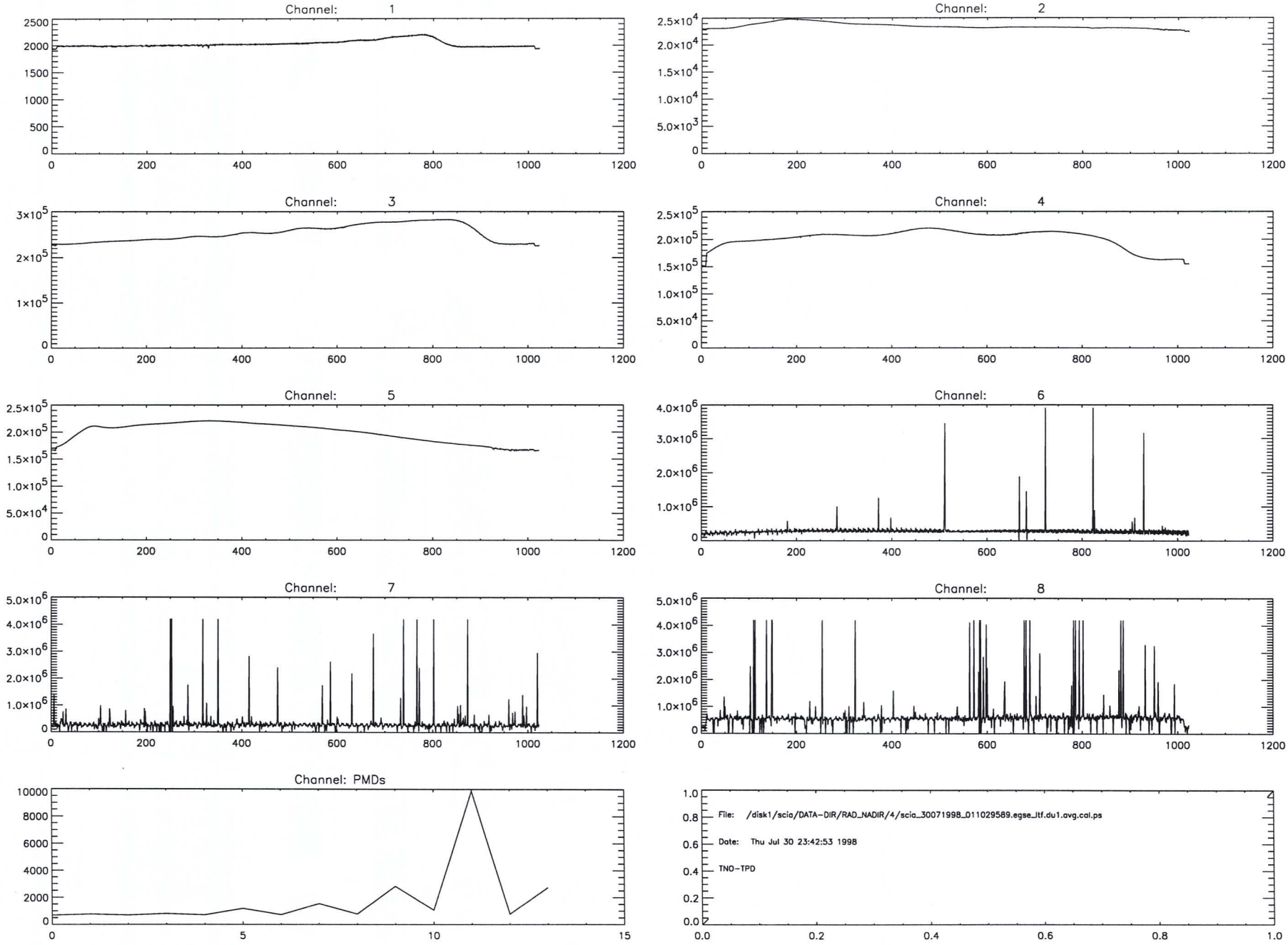

Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps
Date: Thu Jul 30 23:42:22 1998
TNO-TPD

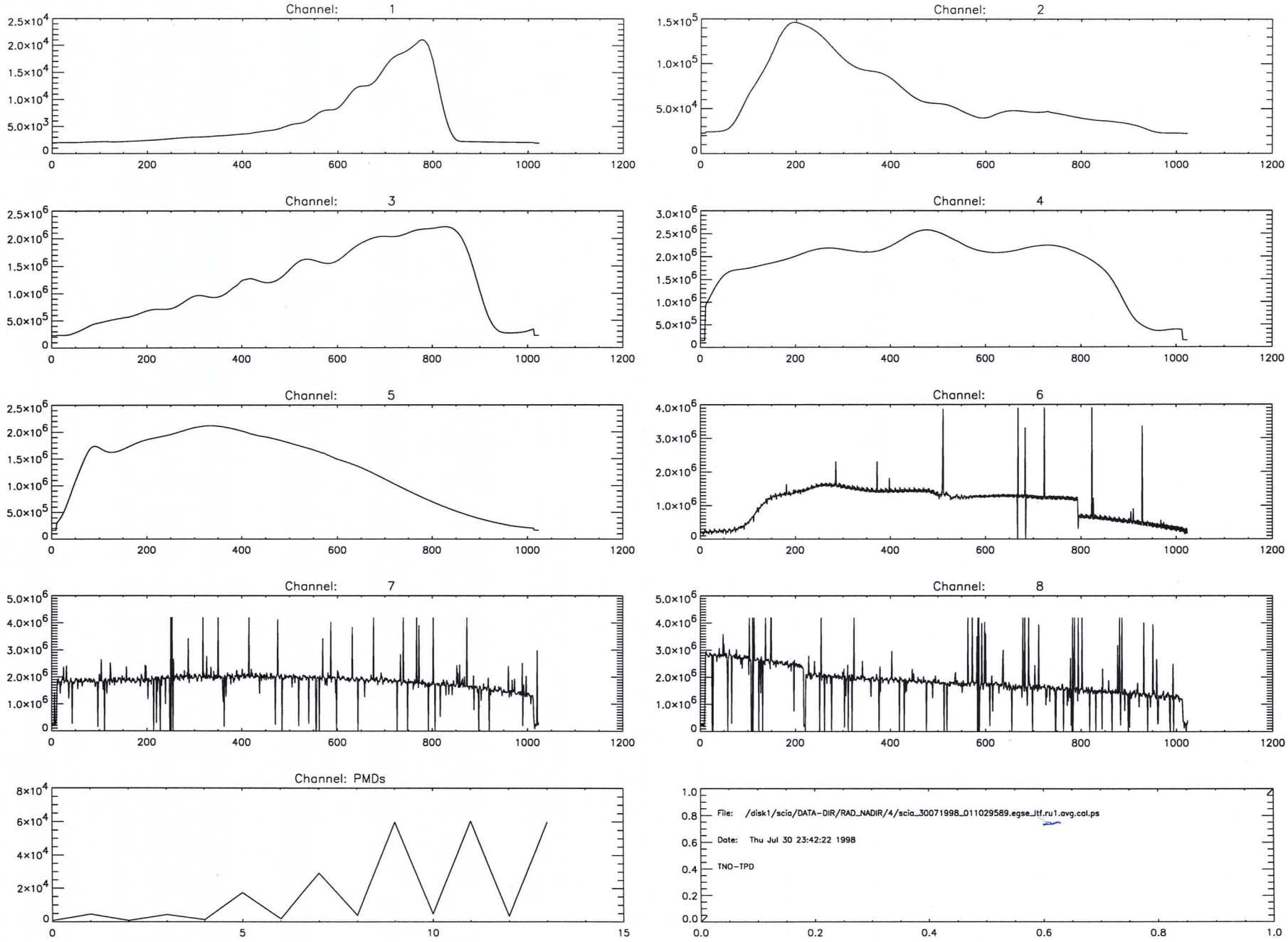
30/7 23.20

REDO 410 22 [illegible]

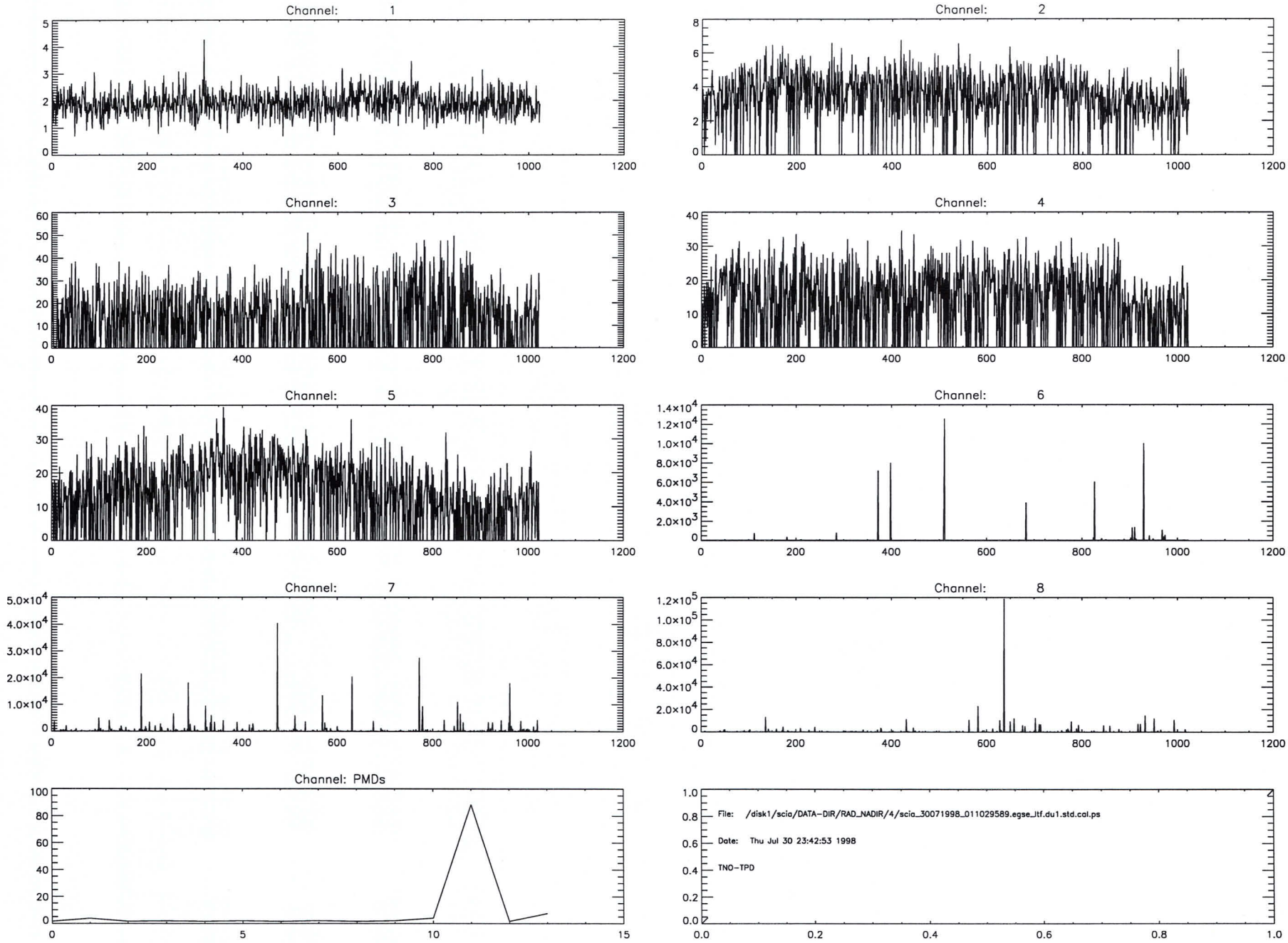


dark current

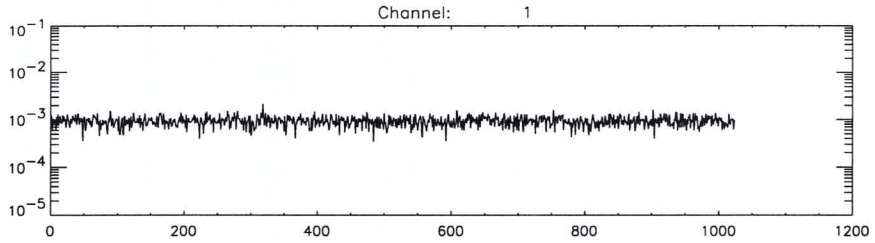
30/7 23 20 REDO 4/0 22 ANNS Sig

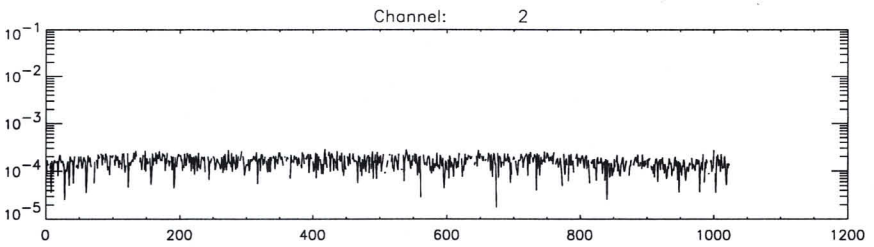


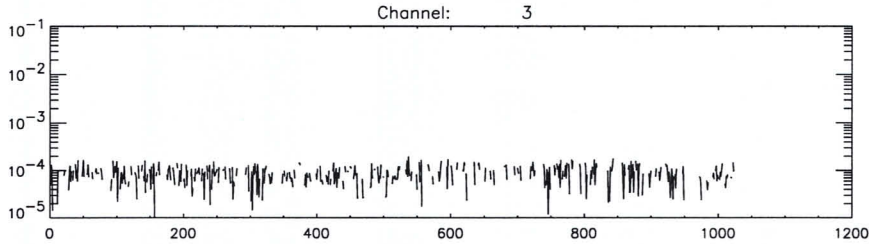
30/7 23.20 RE00 GOME 2 ANALYSIS

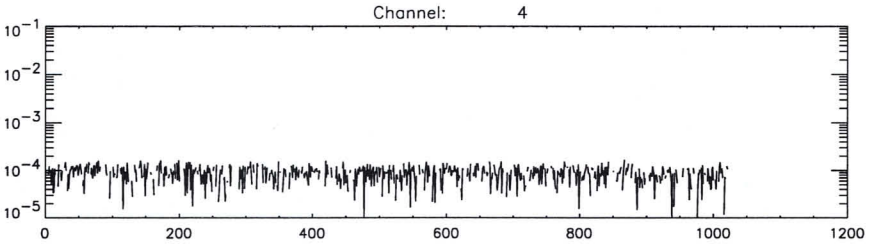


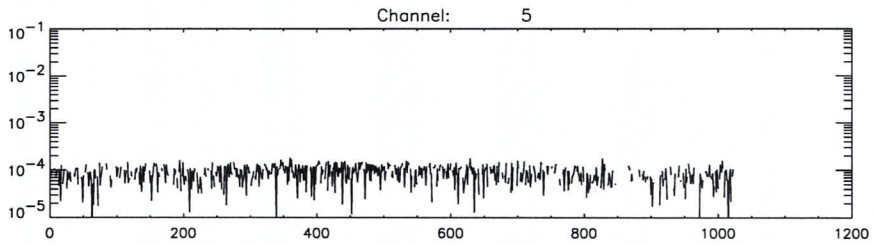
30/9 23.20 KEDO UV-2 ANALYSIS

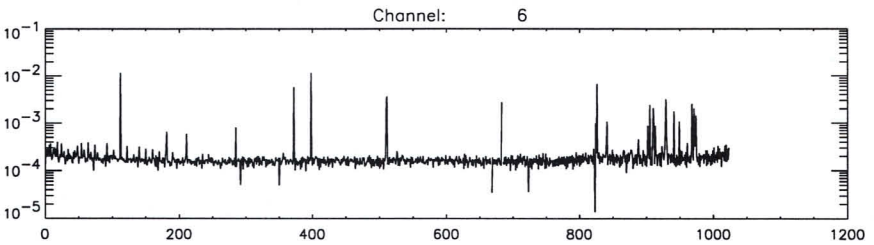


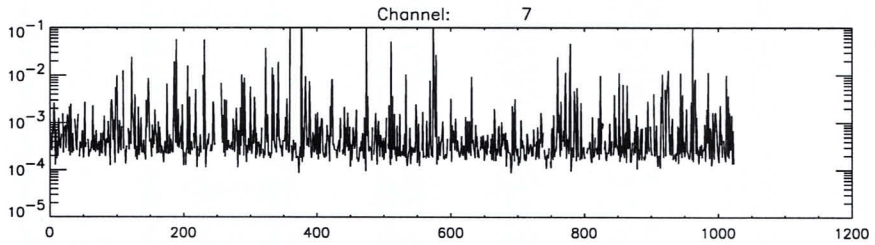


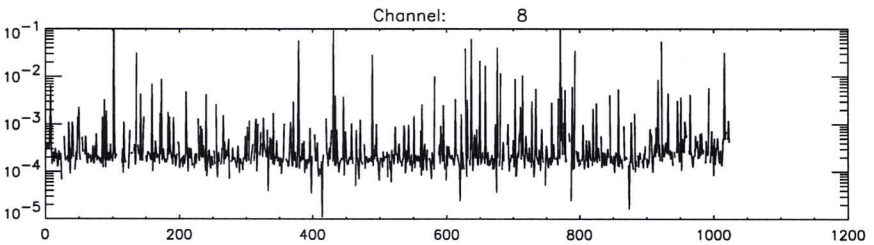


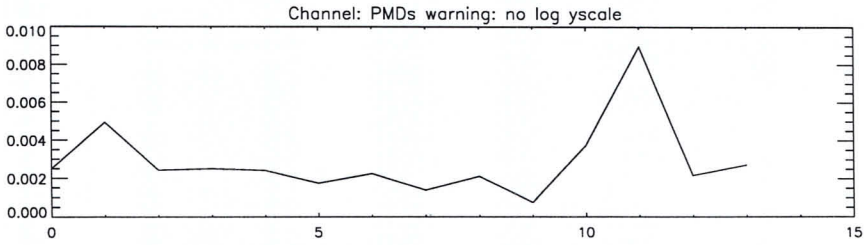


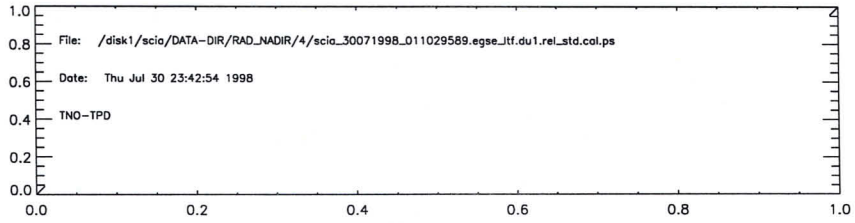












30/7 23.20 REDO UID 22 ANALYSIS

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_30071998_011029589.egse_ltf.du1.log
#####
#####             scia6
#####
#####    Printed: Thu 23:48 Jul 30, 1998
#####
##### Job number: hp6mp-259
#####
#####
#####
#####
#####
```

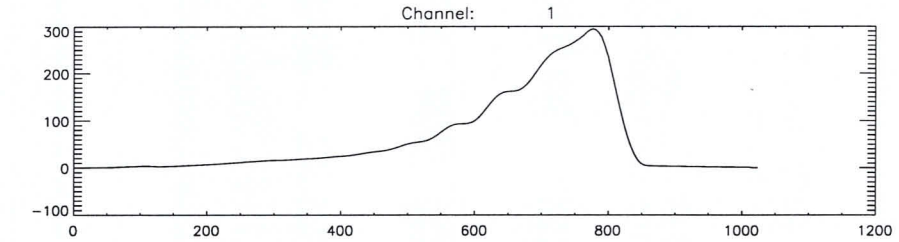
```
time       = Thu Jul 30 23:42:54 1998
batch      = du1
Start TOD  = Thu 30-Jul-98 01:26:55
End   TOD  = Thu 30-Jul-98 01:38:45
Processing= computation of average, standard dev. and rel.standard dev.
```

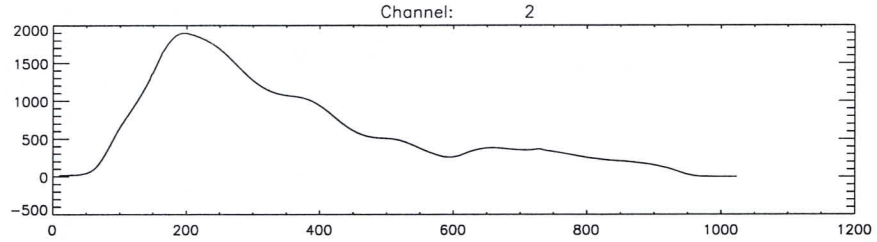
```
time       = Thu Jul 30 23:42:22 1998
batch      = ru1
Start TOD  = Thu 30-Jul-98 01:10:40
End   TOD  = Thu 30-Jul-98 01:26:55
Processing= computation of average, standard dev. and rel.standard dev.
```

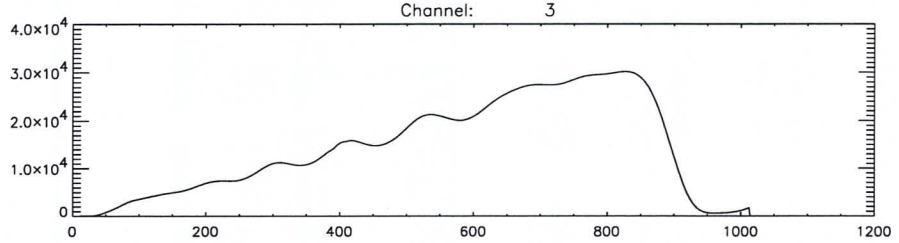
```
time       = Thu Jul 30 23:41:47 1998
batch      = start of atp: gen_nadir
Start TOD  = Thu 30-Jul-98 01:10:32
End   TOD  = Thu 30-Jul-98 01:10:40
Processing= computation of average, standard dev. and rel.standard dev.
```

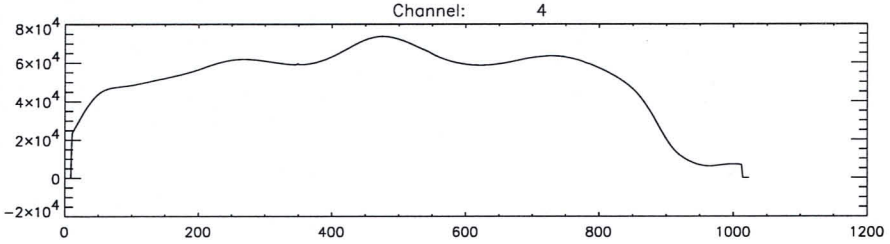
30/7 23.40 REDO 4022 ANALysis

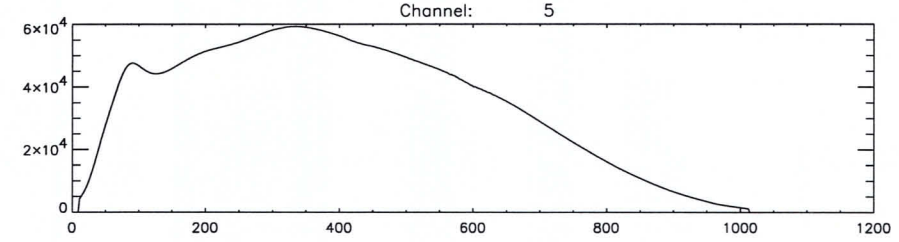
#####
#####
#####
#####
#####
User: scia6!scia
#####
Title: scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps
#####
scia6
#####
Printed: Fri 00:04 Jul 31, 1998
#####
Job number: hp6mp-260
#####
#####
#####
#####

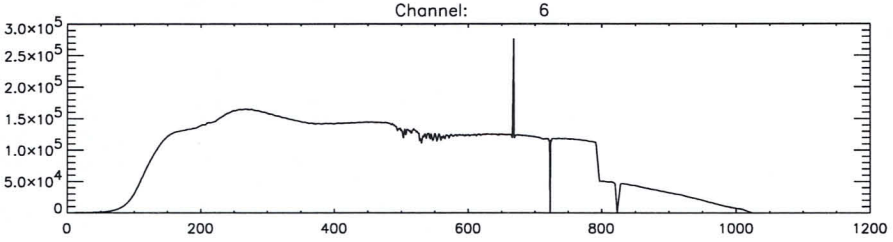

Channel: 1

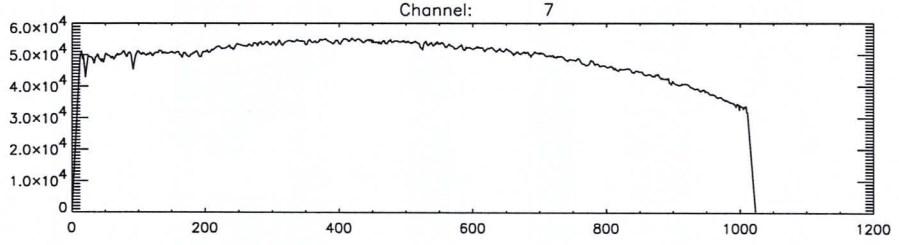

Channel: 2

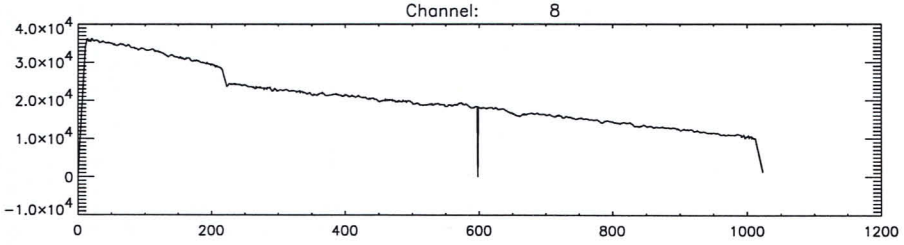

Channel: 3

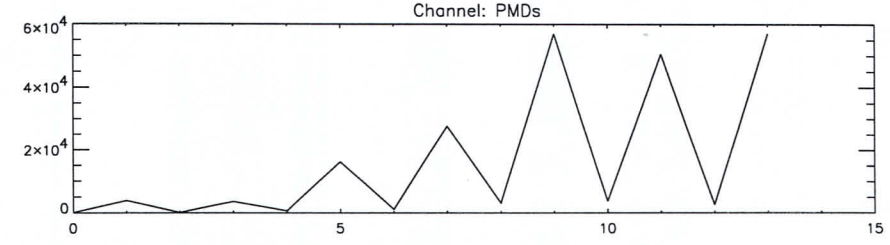

Channel: 4

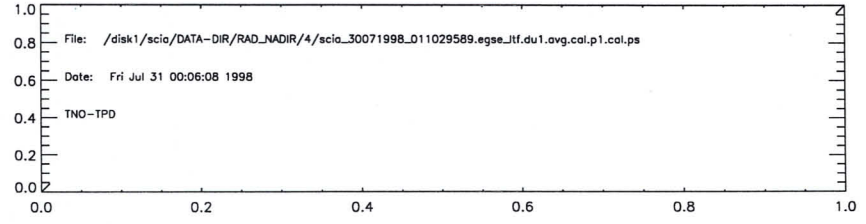

Channel: 5


Channel: 6


Channel: 7

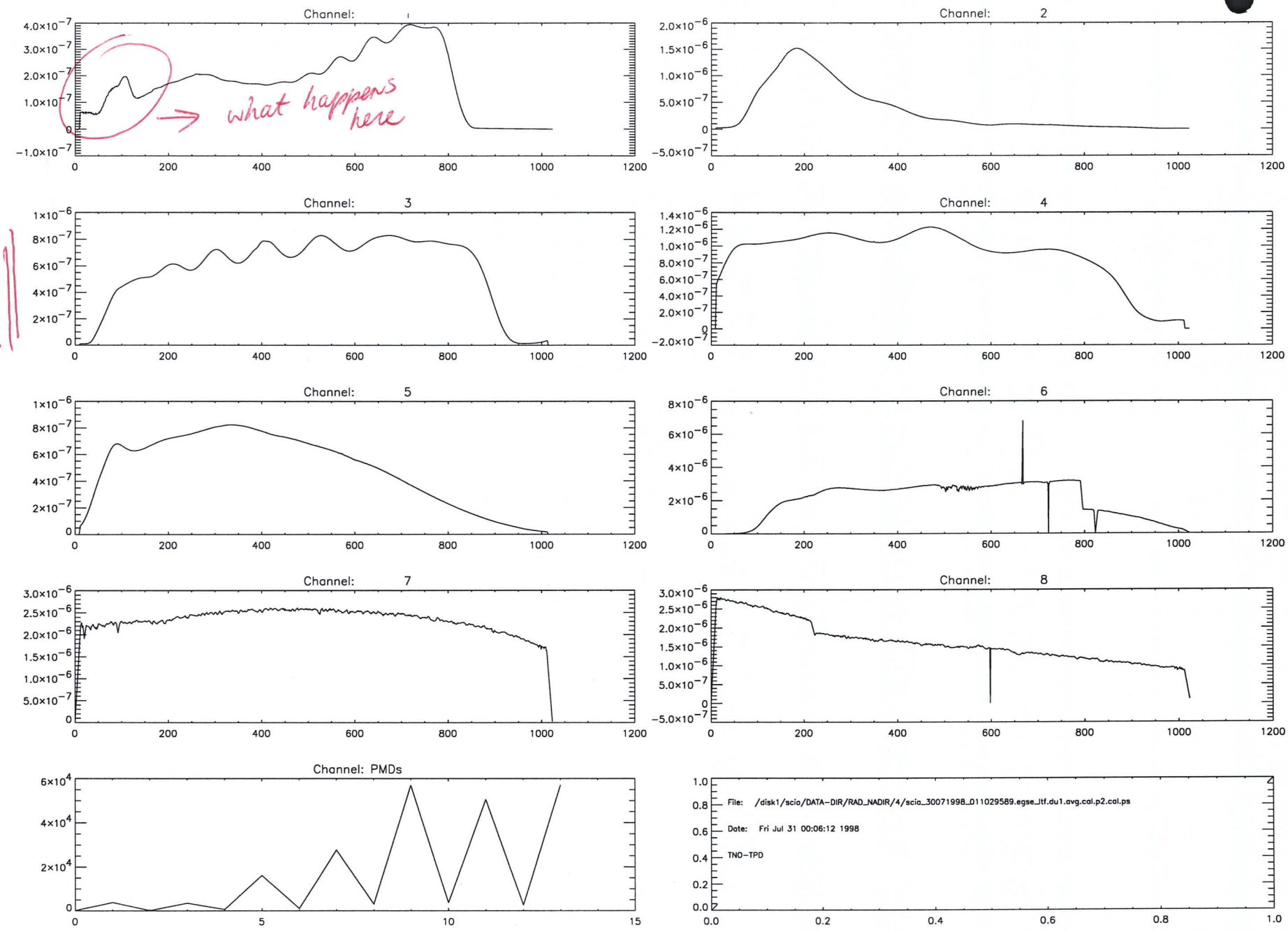

Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Fri Jul 31 00:06:08 1998
TNO-TPD

30/7 23.20 REDO 4 10 22 ANALYSIS

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps
#####
#####             scia6
#####
#####    Printed: Fri 00:05 Jul 31, 1998
#####
##### Job number: hp6mp-261
#####
#####
#####
#####
#####
```


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
what happens here
File: /disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_itf.du1.avg.cal.p2.cal.ps
Date: Fri Jul 31 00:06:12 1998
TNO-TPD

30/7 23.20 KE50 410 22 [illegible]

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log
#####
#####             scia6
#####
#####    Printed: Fri 00:16 Jul 31, 1998
#####
##### Job number: hp6mp-262
#####
#####
#####
#####
#####
```

30/7 23.20 KEDO 410 22 [illegible]

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 00:06:08 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a  4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
rsion:  0.1
put files:

sk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.du1.avg.cal
nd

disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.ru1.avg.cal
ction:
adiance calibration + divided by calibrated irradiance + divded by bsdf + div
PG correction filename used: /disk1/scia/DATA-DIR/CORR/latest/ppg.cal
TALON 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
Processing time: Fri Jul 31 00:06:12 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/4/scia_30071998_011029589.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a   4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

30/7 23.20 KEDO 4 ID 22 [illegible]

```
#####
#####
#####
#####
#####
#####       User: scia6!scia
#####
#####      Title: s_names
#####
#####             scia6
#####
#####    Printed: Fri 00:43 Jul 31, 1998
#####
##### Job number: hp6mp-264
#####
#####
#####
#####
#####
```

```
#! /bin/sh
mv 211y0040.doc f0
mv 211y0140.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_011029589.dat f8
mv scia_30071998_011029589.egse_ltf f9
mv scia_30071998_011029589.egse_ltf.du1.avg.cal f10
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal f11
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log f12
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps f13
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps.log f14
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal f15
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata f16
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log f17
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps f18
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps.log f19
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.ps f20
mv scia_30071998_011029589.egse_ltf.du1.log f21
mv scia_30071998_011029589.egse_ltf.du1.rel_std.cal f22
mv scia_30071998_011029589.egse_ltf.du1.rel_std.cal.ps f23
mv scia_30071998_011029589.egse_ltf.du1.std.cal f24
mv scia_30071998_011029589.egse_ltf.du1.std.cal.ps f25
mv scia_30071998_011029589.egse_ltf.ru1.avg.cal f26
mv scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps f27
mv scia_30071998_011029589.egse_ltf.ru1.log f28
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.cal f29
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps f30
mv scia_30071998_011029589.egse_ltf.ru1.std.cal f31
mv scia_30071998_011029589.egse_ltf.ru1.std.cal.ps f32
mv scia_30071998_011029589.egse_ltf.startofatp:gen_nadir.log f33
```

```
#! /bin/sh
mv f0 211y0040.doc
mv f1 211y0140.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_011029589.dat
mv f9 scia_30071998_011029589.egse_ltf
mv f10 scia_30071998_011029589.egse_ltf.du1.avg.cal
mv f11 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal
mv f12 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log
mv f13 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps
mv f14 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f15 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal
mv f16 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f17 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log
mv f18 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps
mv f19 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f20 scia_30071998_011029589.egse_ltf.du1.avg.cal.ps
mv f21 scia_30071998_011029589.egse_ltf.du1.log
mv f22 scia_30071998_011029589.egse_ltf.du1.rel_std.cal
mv f23 scia_30071998_011029589.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_30071998_011029589.egse_ltf.du1.std.cal
mv f25 scia_30071998_011029589.egse_ltf.du1.std.cal.ps
mv f26 scia_30071998_011029589.egse_ltf.ru1.avg.cal
mv f27 scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps
mv f28 scia_30071998_011029589.egse_ltf.ru1.log
mv f29 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal
mv f30 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps
mv f31 scia_30071998_011029589.egse_ltf.ru1.std.cal
mv f32 scia_30071998_011029589.egse_ltf.ru1.std.cal.ps
mv f33 scia_30071998_011029589.egse_ltf.startofatp:gen_nadir.log
```

Formal Run of Measurement

(Measurement ID) Gen - Main

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

Scanner Positions

CLEANROOM LIGHT UNIT

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	33									
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	8	8						
2a	8	8						
3	1	64						
4	0.5	64						
5	0.5	64						
6	0.125	64						
7	0.5	64						
8	1	64						
State ID								

STEP 2-4
3e mod
UID 22

30-7
TEAM 5
11:50 UTC

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 22
Data Directory	021_[illegible]

Signatures

	Date	Signature
Issued	30-7	
Performed		

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Gijs	
	Date:	01-Oct-'98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_30071998_115903660.dat	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	_____	(B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	6	(C)
	<C> should be <B> + 1	Y / N	
	directory name is:	`~/DATA-DIR/RAD-NADIR/<C>`	(DIR-NAME)
Copy data	See Analysis sheet: Transfer Data File	(Y) / N	In DATA-DIR window
Cnstr EGSE_LTF	`cal_raw2ltf .` (Error messages are not necessarily fatal; check with SOLAN --in solan window-- whether output file is okay: there should be a signal present, and `dremark1` labels should be filled) `ls -l *.egse_ltf`		Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.*
	What's the name of the egse_ltf file	scia_30071998_115903660.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`		In DATA-DIR window
	size:	145998	should be approx 150Kb

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

size: 165990 — should be approx 150Kb

Note: all files should be present, if not:
(a) Check file <D> using SOLAN and check whether DU, and IU 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 light file `*ru*.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

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

Radiance processing

Run radiance `idl do_radiance` — In IDL window

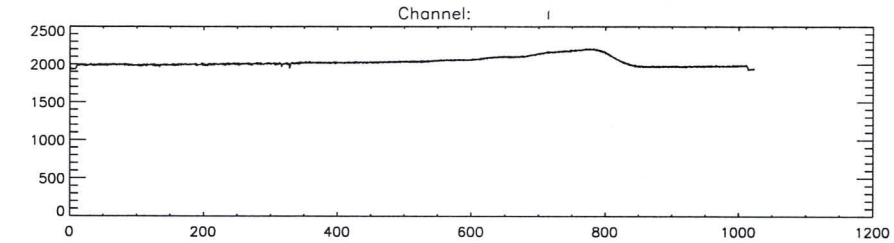
Check radiance `ls -l * | more` — In DATA-DIR window

Size of file `<D>.du*.avg.cal.p1.cal` 165 998 — should be approx 150Kb

	Size of file `<D>.du*.avg.cal.p2.cal`	145 998
Check radiance visually	`lpr -P<printer> *.p[12].*.cal.ps`	
	Value of P1 and P2 file resemble white light source?	(Y) / N
	Add postscript images to logbook, done	(Y) / N
Print logfiles	`lpr -P<printer> *.p[12].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	010898A	

Sign:	Name	Gijs Doeglas
	Date and time	01/08/1998 6^{00}
	Signature	G Doeg


Channel: 1
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2000
1500
1000
500
0
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200
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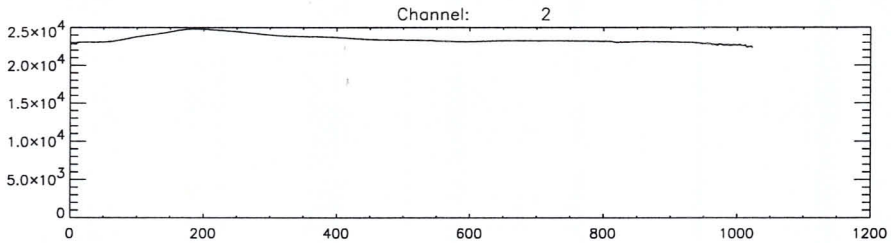
1000
1200


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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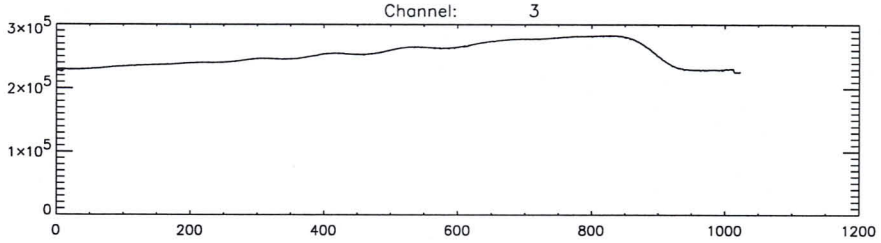
600
800
1000
1200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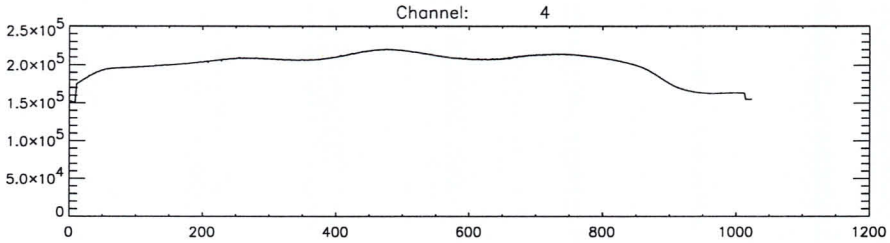
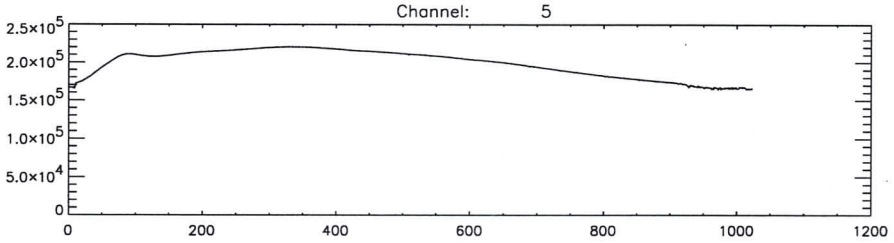
3×10^5
2×10^5
1×10^5
0
0
200
400
600
800
1000
1200


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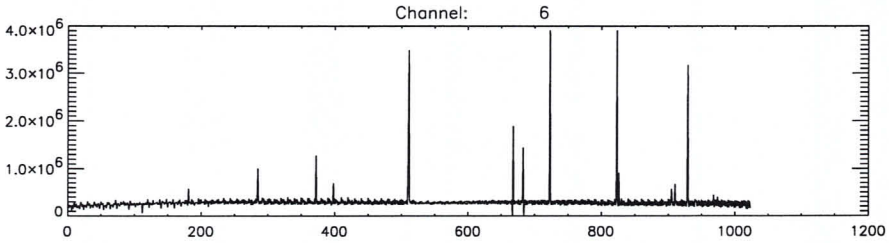
600
800
1000
1200


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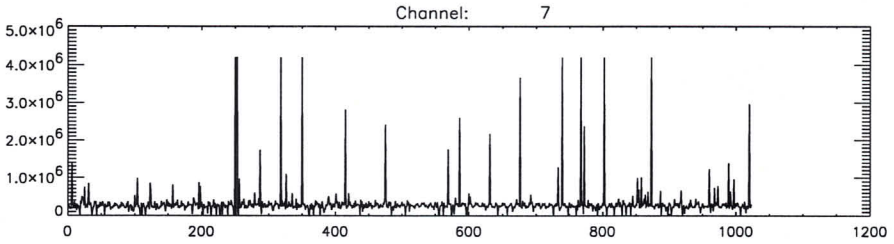
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200


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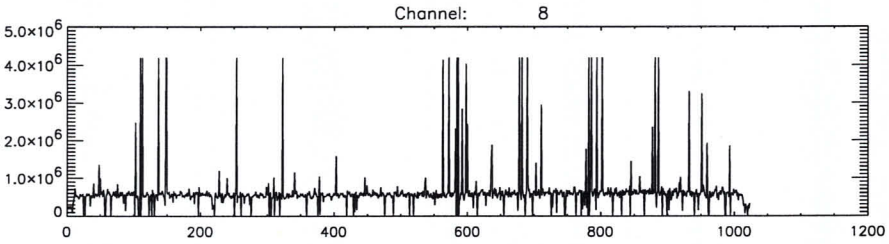
600
800
1000
1200


Channel: 8
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3.0×10^6
2.0×10^6
1.0×10^6
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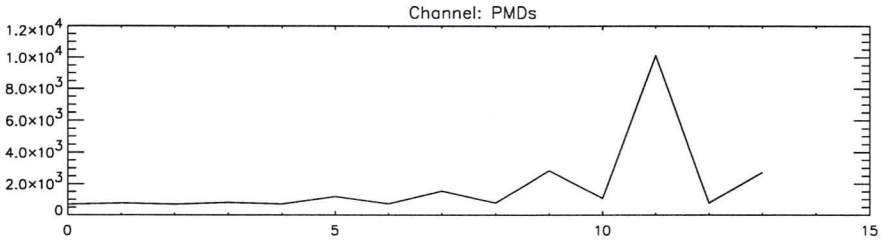
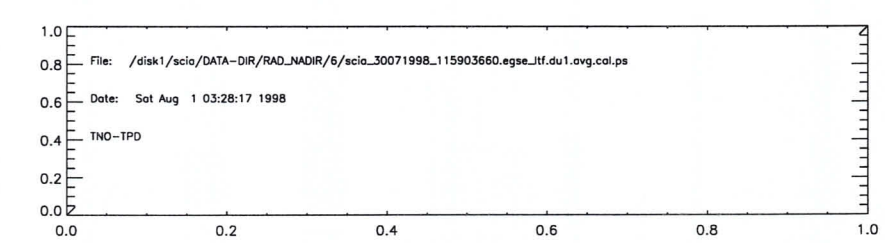
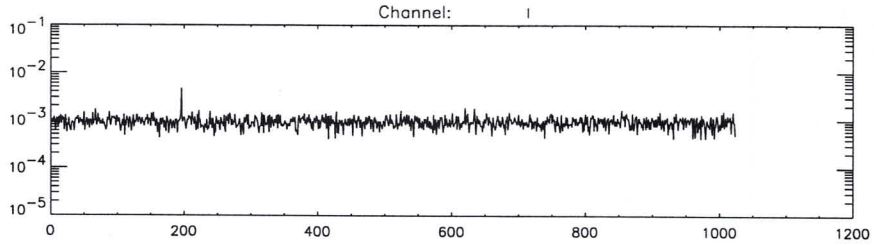
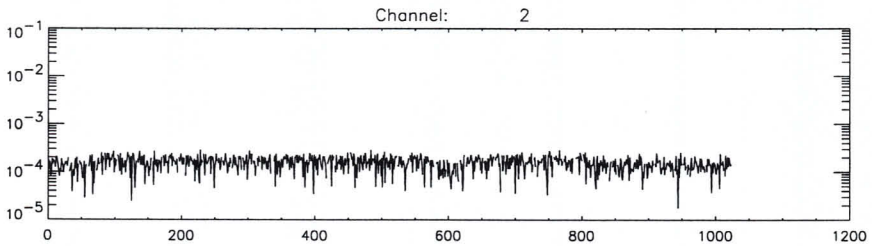
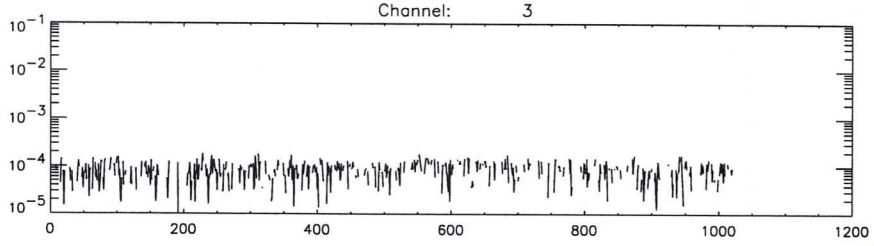
600
800
1000
1200


Channel: PMDs
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
5
10
15


File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_itf.du1.avg.cal.ps
Date: Sat Aug 1 03:28:17 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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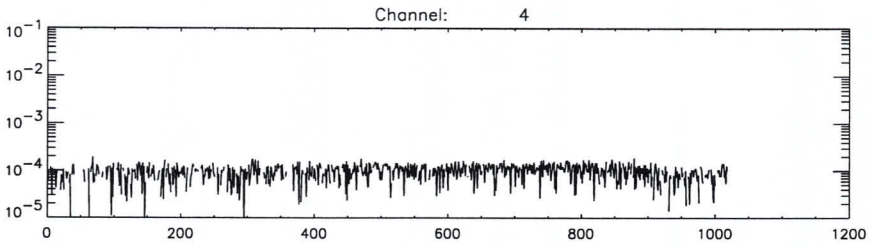
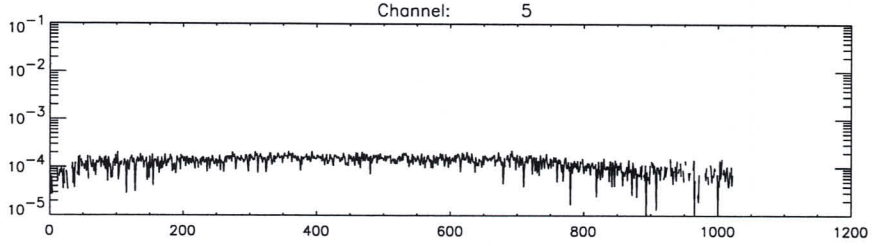
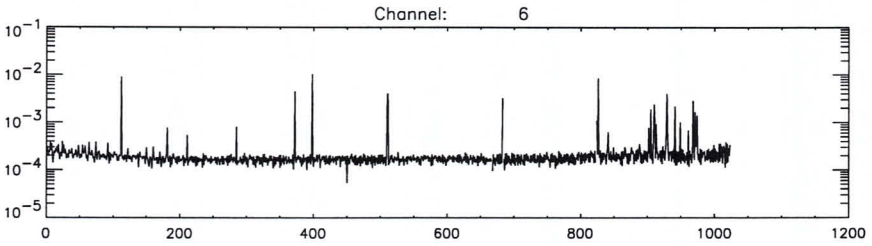
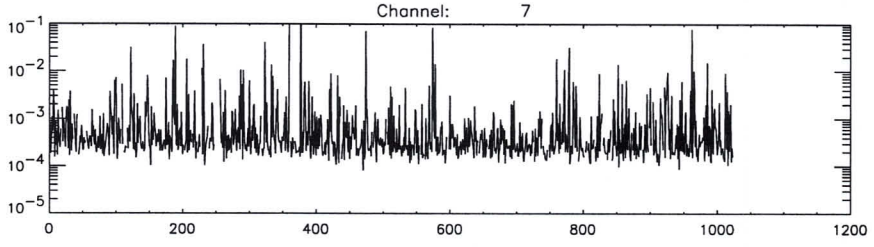
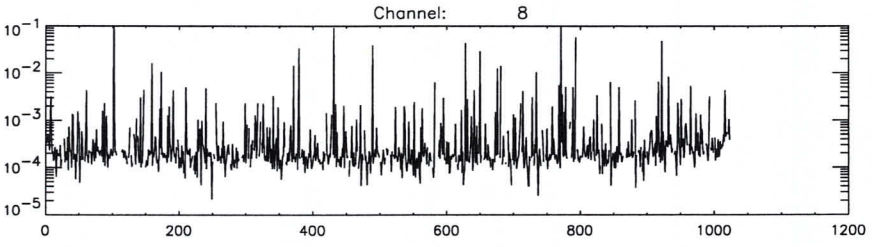
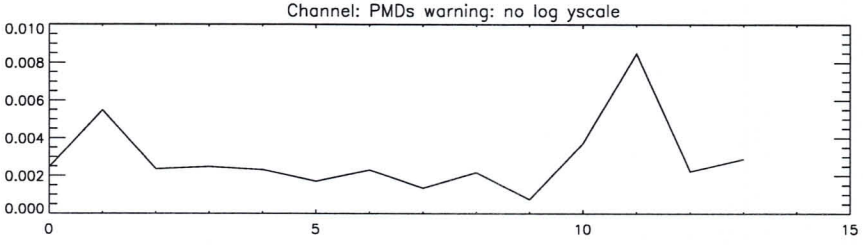

Channel: 4

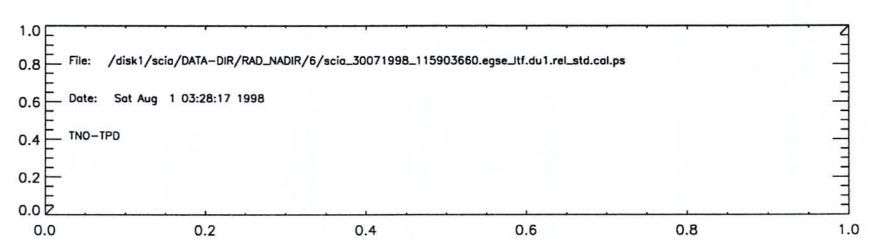

Channel: 5

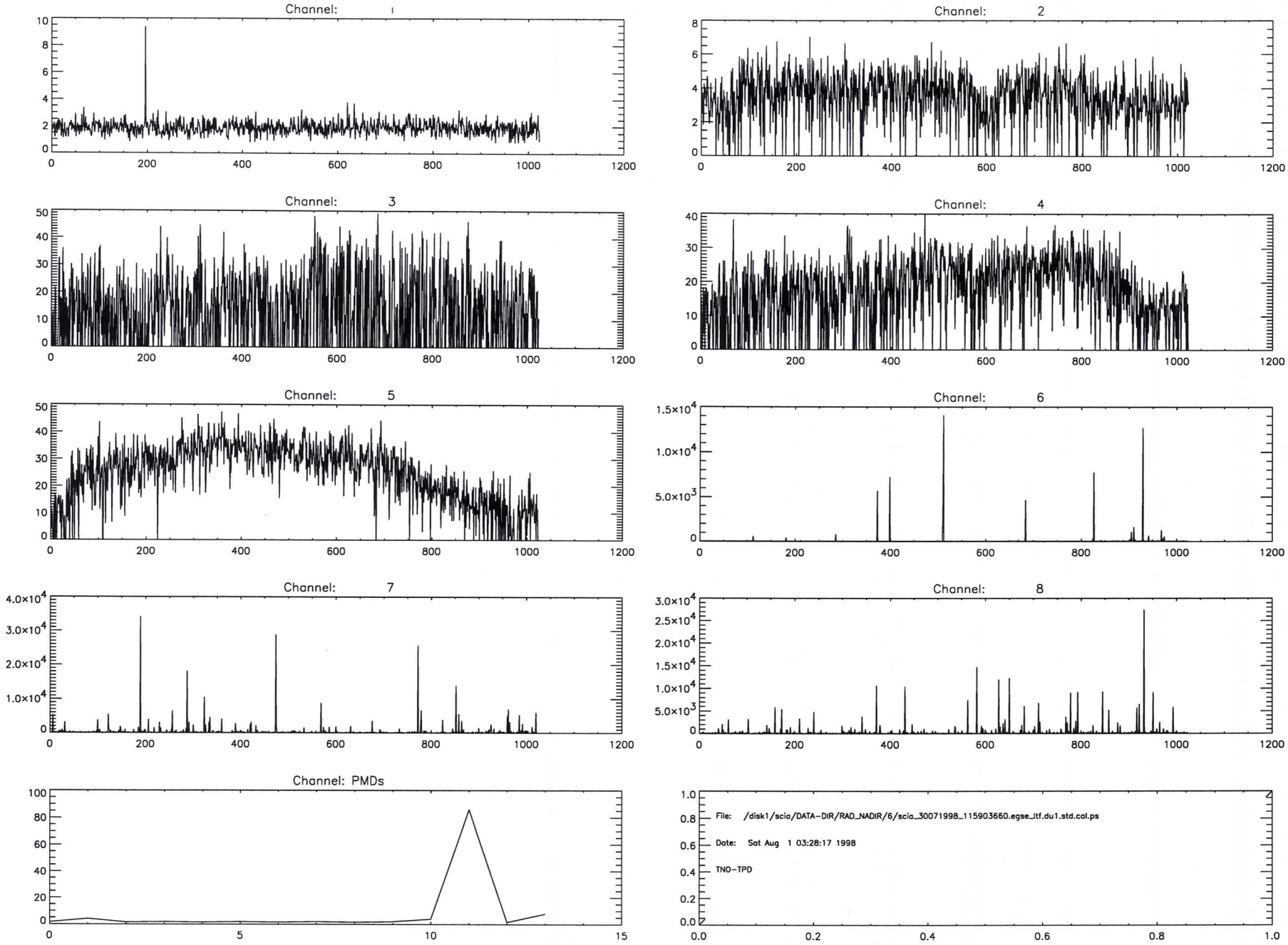

Channel: 6

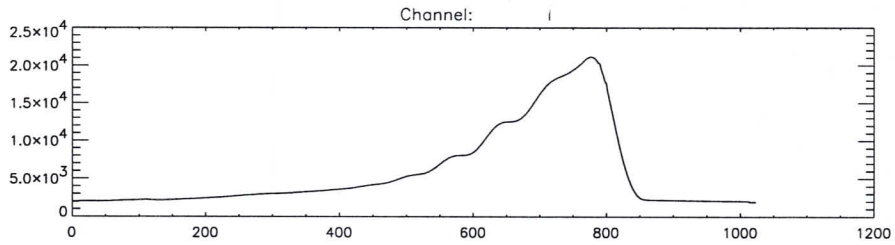

Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_itf.du1.rel_std.cal.ps
Date: Sat Aug 1 03:28:17 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/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.std.cal.ps
Date: Sat Aug 1 03:28:17 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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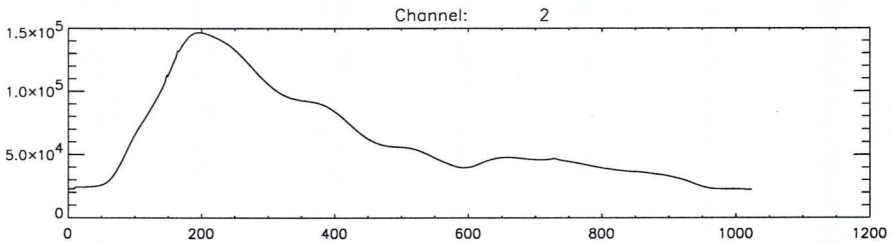
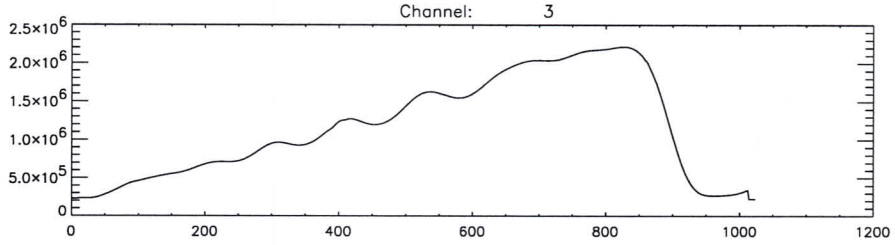
600
800
1000
1200


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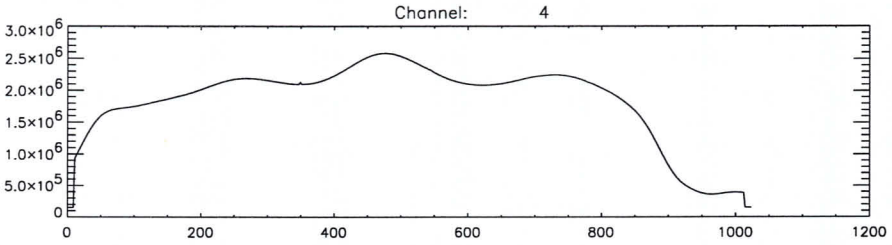
600
800
1000
1200


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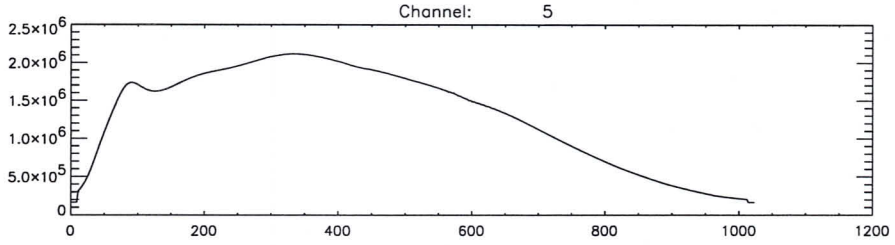
600
800
1000
1200


Channel: 5
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1.0x10^6
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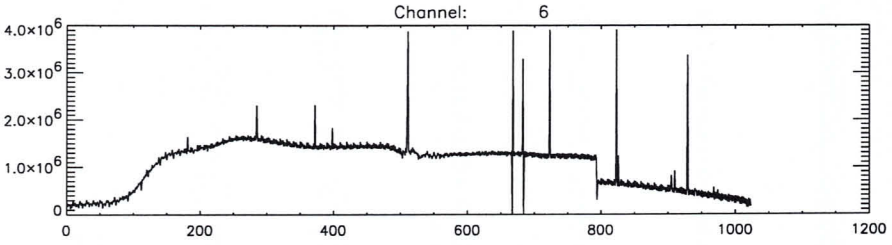
1000
1200


Channel: 6
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1.0x10^6
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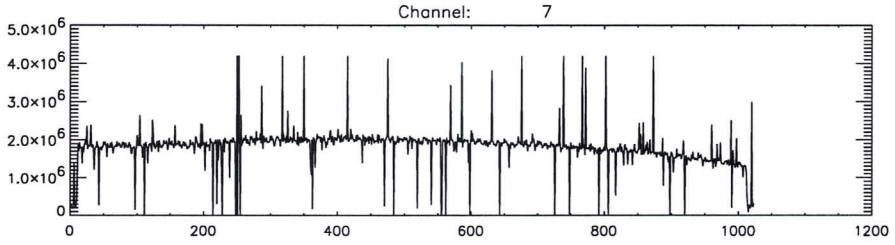
1000
1200


Channel: 7
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1000
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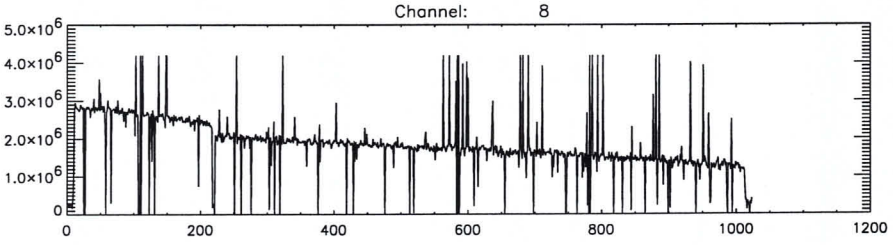
Channel: 8
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3.0x10^6
2.0x10^6
1.0x10^6
0
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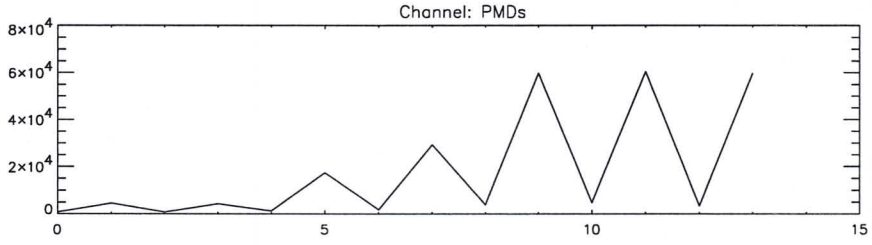
600
800
1000
1200


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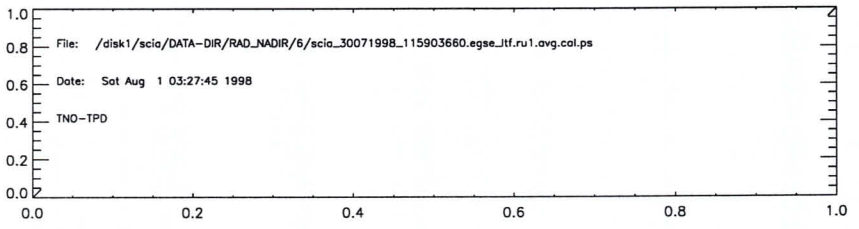
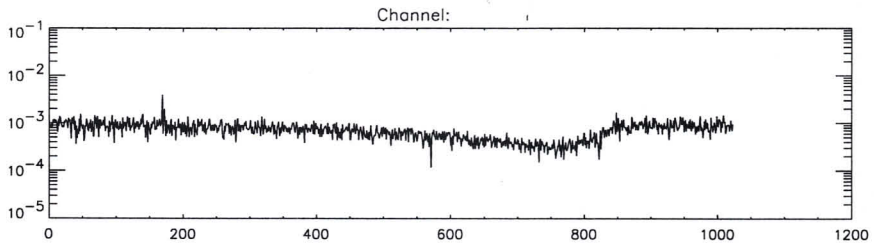
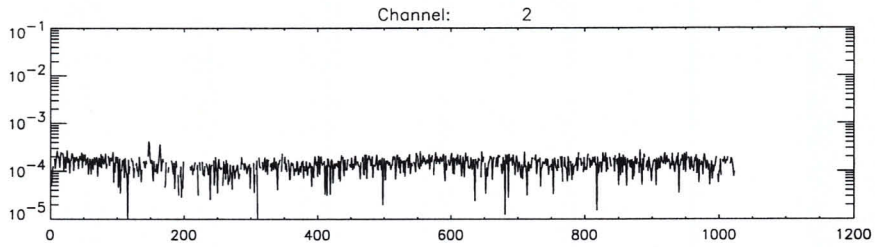
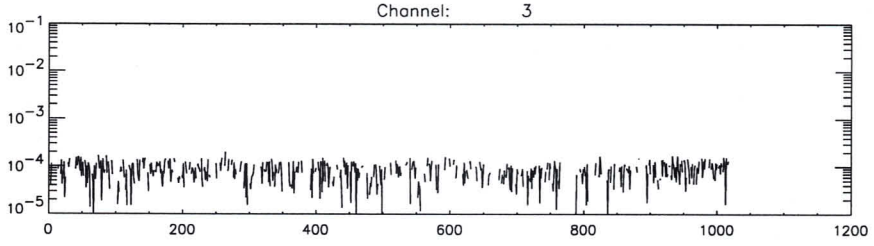
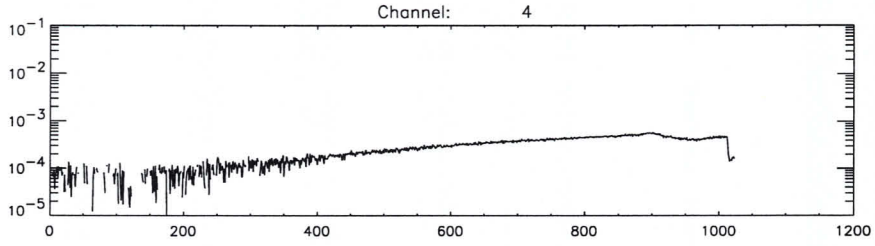
6x10^4
4x10^4
2x10^4
0
0
5
10
15

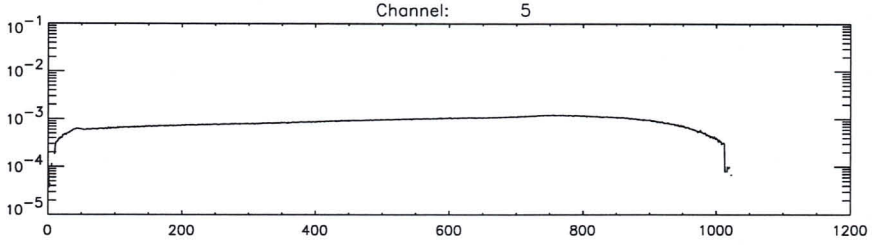

1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.avg.cal.ps
Date: Sat Aug 1 03:27:45 1998
TNO-TPD

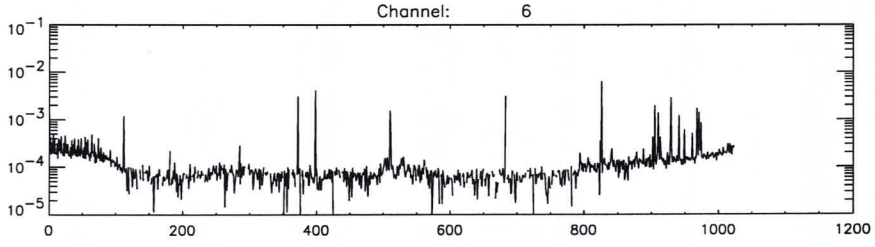

Channel:
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

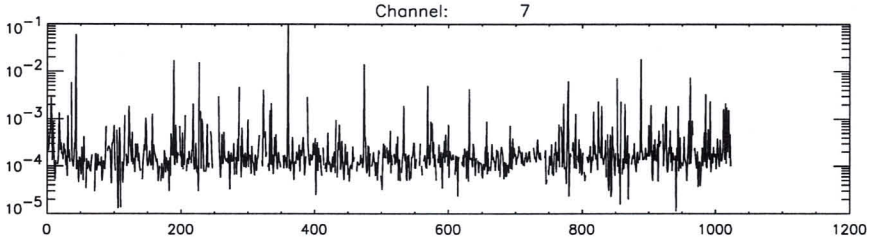

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

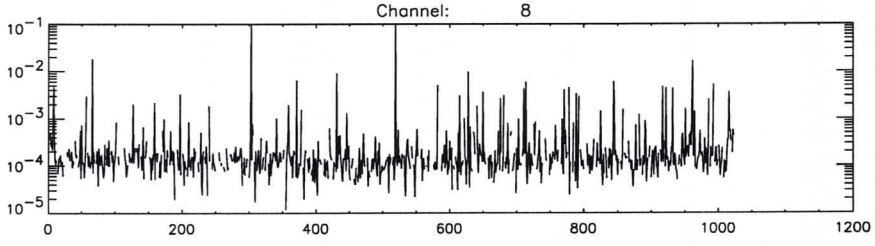

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

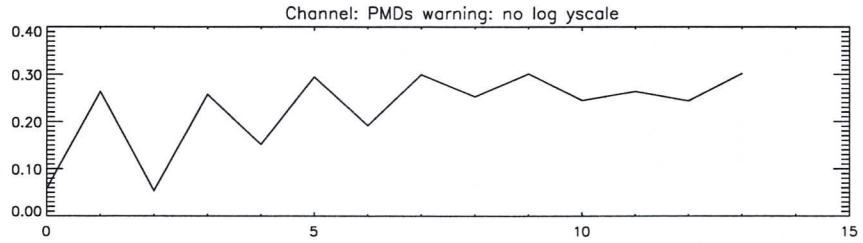

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

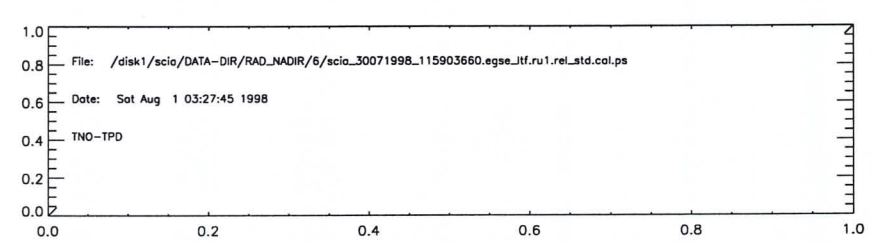

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

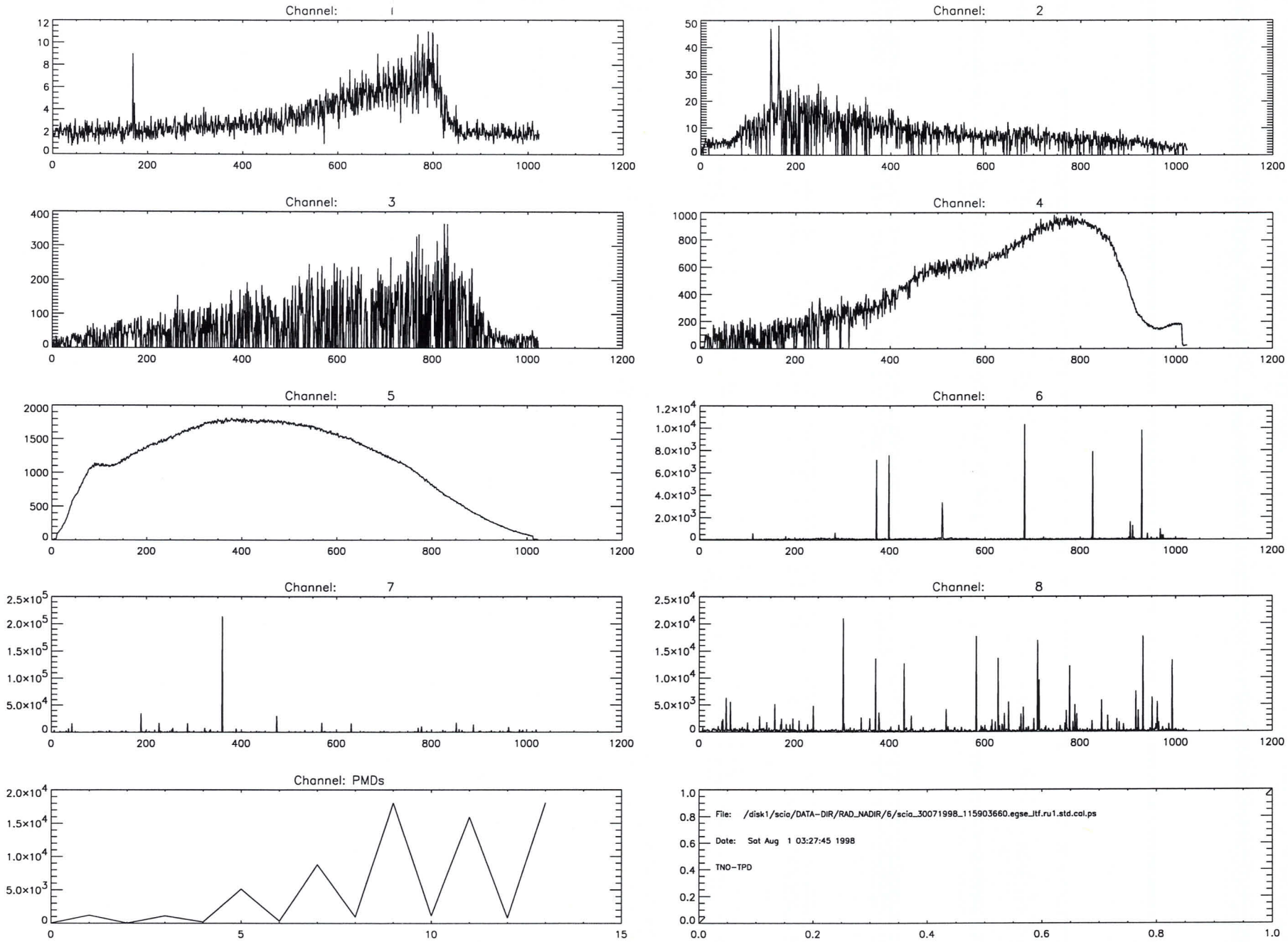

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

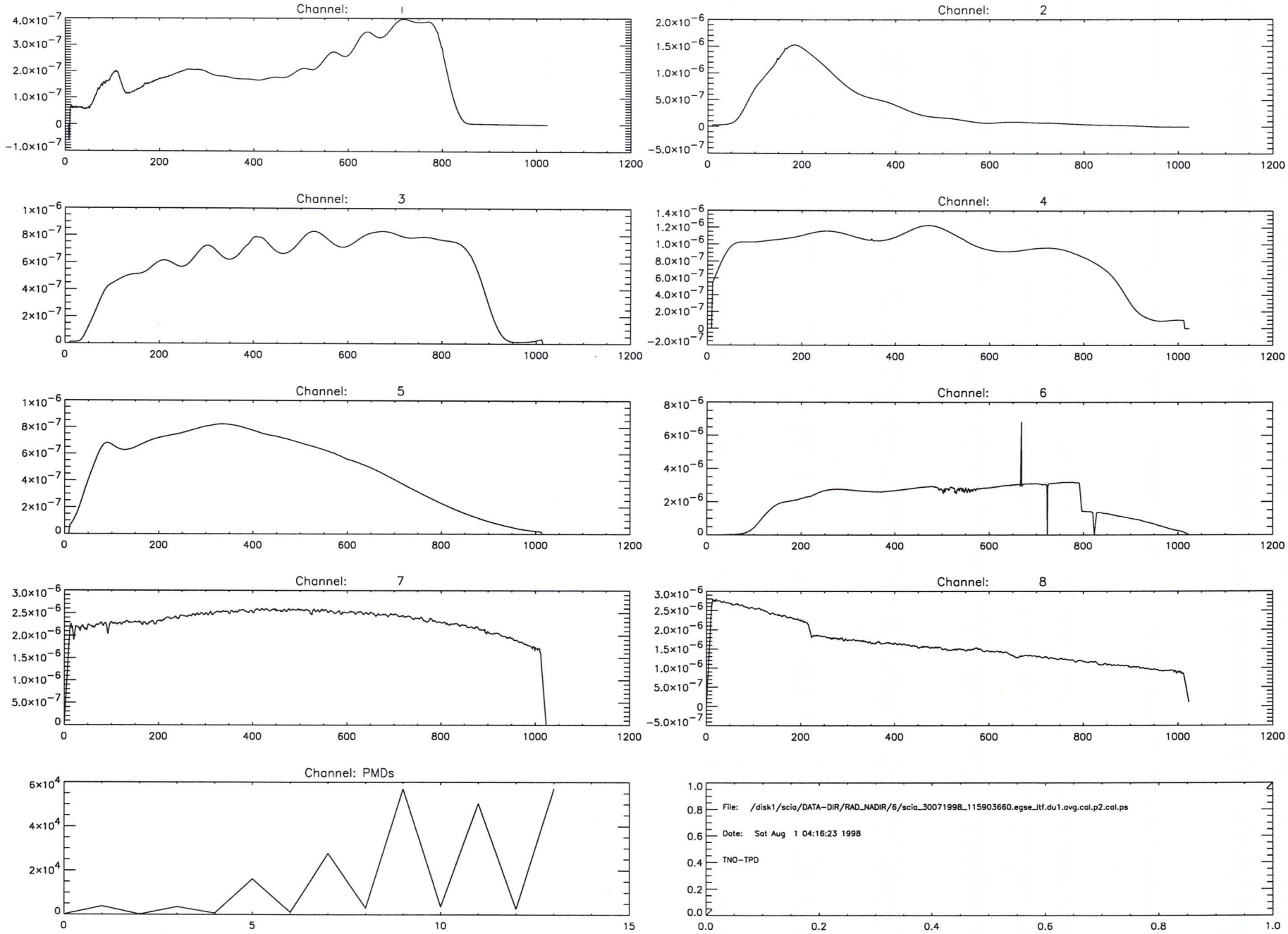

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

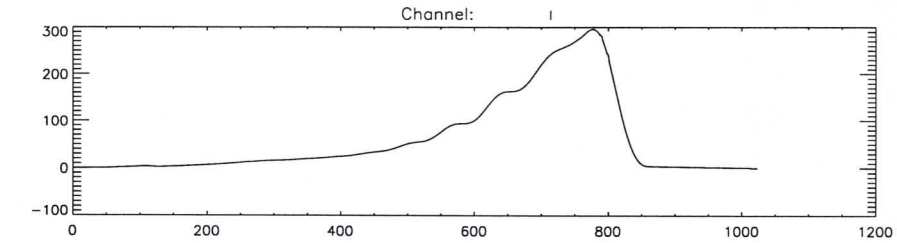

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

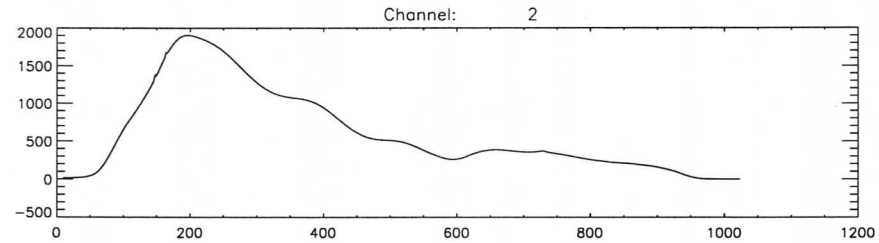

Channel: PMDs warning: no log yscale
0.40
0.30
0.20
0.10
0.00
0
5
10
15

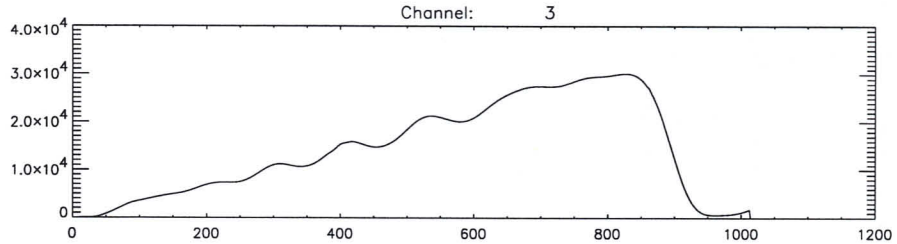

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_itf.ru1.rel_std.cal.ps
Date: Sat Aug 1 03:27:45 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

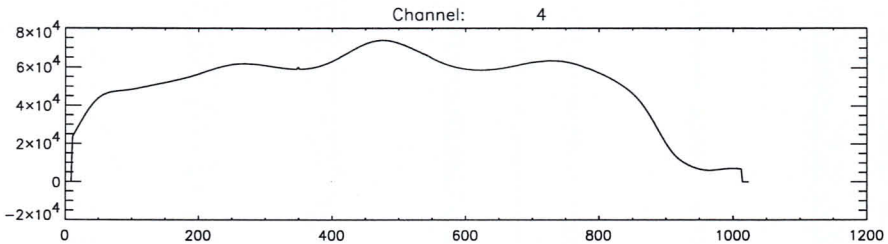

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.std.cal.ps
Date: Sat Aug 1 03:27:45 1998
TNO-TPD

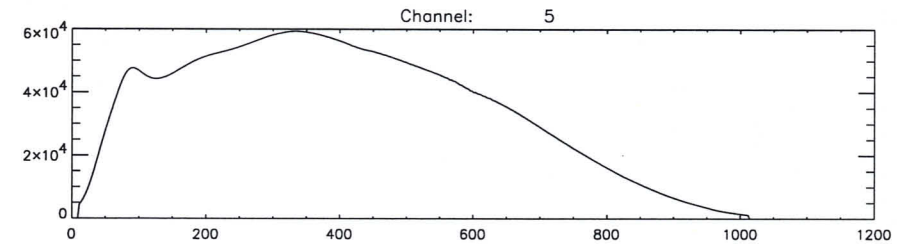

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Sat Aug 1 04:16:23 1998
TNO-TPD

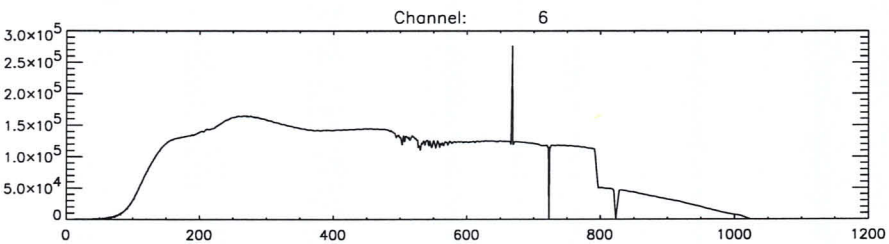

Channel: 1
300
200
100
0
−100
0
200
400
600
800
1000
1200

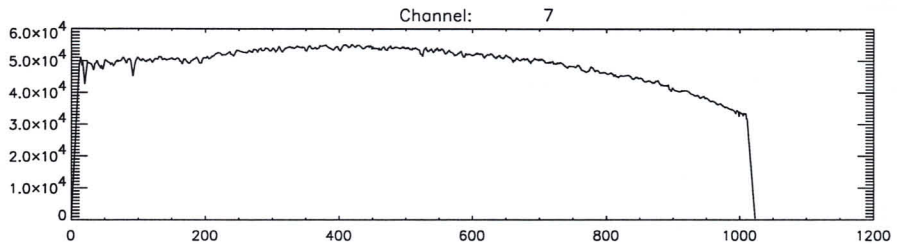

Channel: 2
2000
1500
1000
500
0
−500
0
200
400
600
800
1000
1200

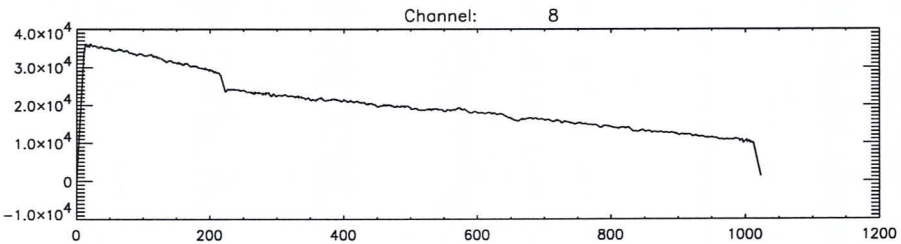

Channel: 3
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200

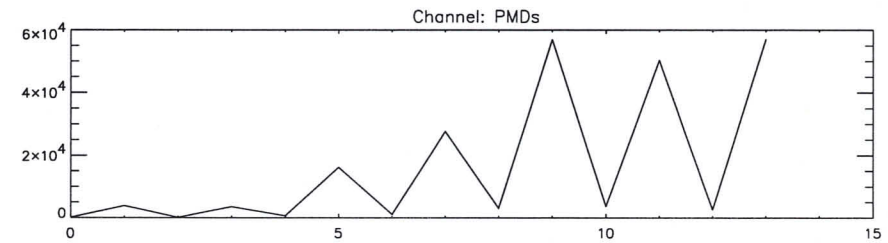

Channel: 4
8x10^4
6x10^4
4x10^4
2x10^4
0
−2x10^4
0
200
400
600
800
1000
1200

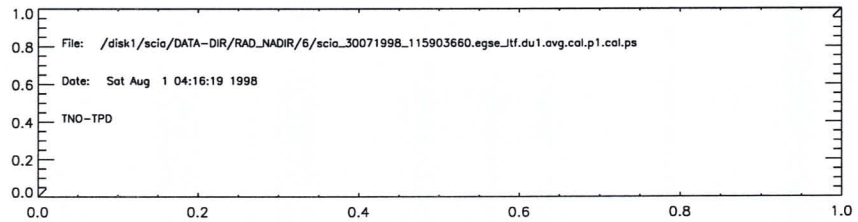

Channel: 5
6x10^4
4x10^4
2x10^4
0
0
200
400
600
800
1000
1200


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
6.0x10^4
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 8
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
−1.0x10^4
0
200
400
600
800
1000
1200


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


File: /disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Sat Aug 1 04:16:19 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/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/310798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/310798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/310798/stray.data
Processing time: Sat Aug  1 04:16:18 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p1
.cal
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must be
 generated with an updated Spectralon calibration. The accuracy of this data is
estimated to be approx. 10%.  wavelength        BRDF modified
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration + divided by calibrated irradiance + divded by bsdf + divid
ed by optec window
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/310798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/310798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/310798/stray.data
Processing time: Sat Aug  1 04:16:23 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p2
.cal.ps
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must be
 generated with an updated Spectralon calibration. The accuracy of this data is
estimated to be approx. 10%.  wavelength        BRDF modified
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + divid
ed by optec window
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/310798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/310798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/310798/stray.data
Processing time: Sat Aug  1 04:16:22 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p2
.cal
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must be
 generated with an updated Spectralon calibration. The accuracy of this data is
estimated to be approx. 10%.  wavelength        BRDF modified
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.ru1.avg.cal
Action:
Generation of PS file
Radiance calibration: No correction bsdf, transmission and e_cal
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/310798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/310798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/310798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/310798/stray.data
Processing time: Sat Aug  1 04:16:19 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/6/scia_30071998_115903660.egse_ltf.du1.avg.cal.p1
.cal.ps
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
ala4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must be
 generated with an updated Spectralon calibration. The accuracy of this data is
estimated to be approx. 10%.  wavelength        BRDF modified
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
time      = Sat Aug  1 03:28:18 1998
batch     = du1
Start TOD = Thu 30-Jul-98 12:12:09
End   TOD = Thu 30-Jul-98 12:23:59
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time      = Sat Aug  1 03:27:45 1998
batch     = ru1
Start TOD = Thu 30-Jul-98 11:59:14
End   TOD = Thu 30-Jul-98 12:12:09
Processing= computation of average, standard dev. and rel.standard dev.
```

Formal Run of Measurement

(Measurement ID) gen_ndf_now

Request for Actual Status		(cross out entries that are **not** requested.)
Request for Modification		(fill in only entries to be modified)
Request for Run		(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	39									
Repetitions	10									

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

Step 2-5
UID 35

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	4	16						
4	2	32						
5	2	32						
6	0.5	64						
7	0.5	64						
8	1	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]

Measurement Data Description

Test Purpose	UID 35
Remark	
Data Directory	0211_02.07 50_GEN_NDF

Signatures

	Date	Signature
Issued	24-07-91	
< Performed	30-7	

NADIR

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Erik Z.	
	Date:	30/7/98	
	What's the name of the (main) data input file generated by the EGSE? `(*.dat)`	0211-02.57-58-GEN-NOF (NADIR)	(A)
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory? New directory: `mkdir <B+1>` `ls -l`	1	(B)
	What's now the highest number in directory? <C> should be <B> + 1	2	(C)
	directory name is:	Y / N `~/DATA-DIR/RAD-NADIR/<C>` 2	(DIR-NAME)
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 <D> should be <A>.egse_ltf	scia_300798_030332936.egse_ltf	(D)
		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`		In DATA-DIR window
	size:	± 146 Kb	should be approx 150Kb
	`ls -l *iu*.avg.cal` (RU)		
	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 IU 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 light file `*iu*.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

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

Radiance processing

Run radiance `idl do_radiance` In IDL window

Check radiance `ls -l * | more` In DATA-DIR window should be approx 150Kb

Size of file `<D>.du*.avg.cal.p1.cal` 146 Kb

Size of file `<D>.du*.avg.cal.p2.cal` 146 Kb

~~NOT YET DONE~~
~~30/7/98 6h30~~

DONE
1/8/'98
9.30 (UTC)

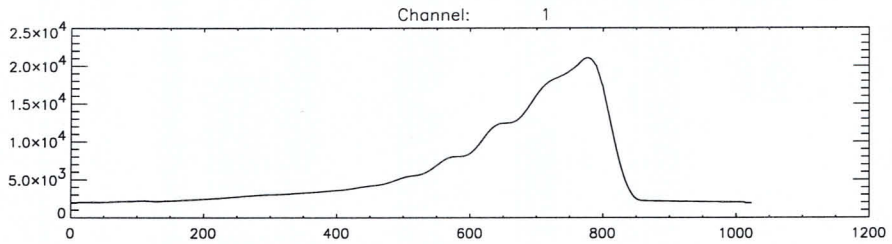
2

Check radiance visually	`lpr -P<printer> *.p[12].*.cal.ps`	
	Value of P1 and P2 file resemble white light source?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.p[12].cal.log`	
	Add logfiles to logbook, done	Y / N

NOT YET DONE
30/7/98
6h30
BB

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	010898 B	

Sign:	Name	Gerard Otter
	Date and time	01-08-98 12:00 (UTC)
	Signature	[signature]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2.0x10^4
1.5x10^4
1.0x10^4
5.0x10^3
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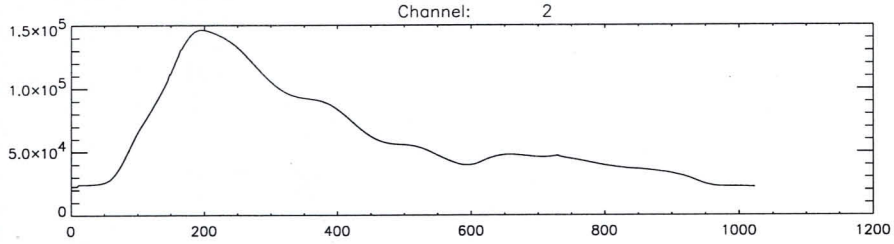
400
600
800
1000
1200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1.0x10^5
5.0x10^4
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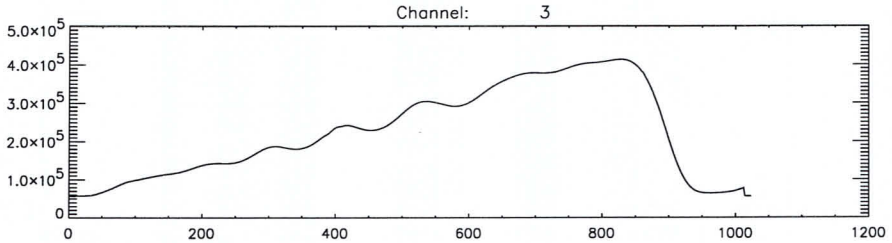
0
200
400
600
800
1000
1200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3.0x10^5
2.0x10^5
1.0x10^5
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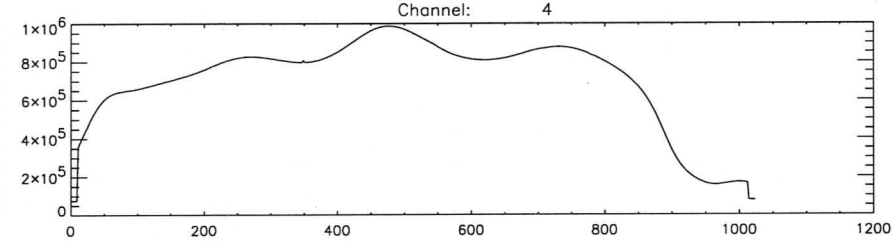
600
800
1000
1200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4x10^5
2x10^5
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600
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1000
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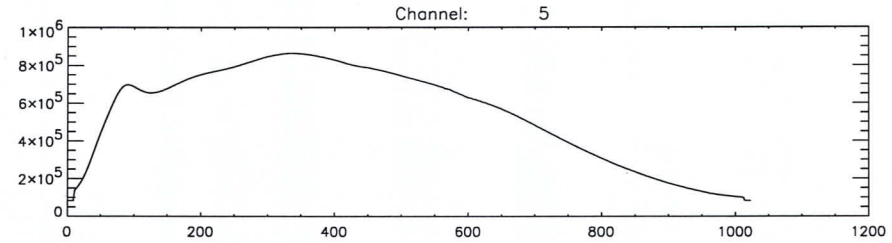
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6x10^5
4x10^5
2x10^5
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0
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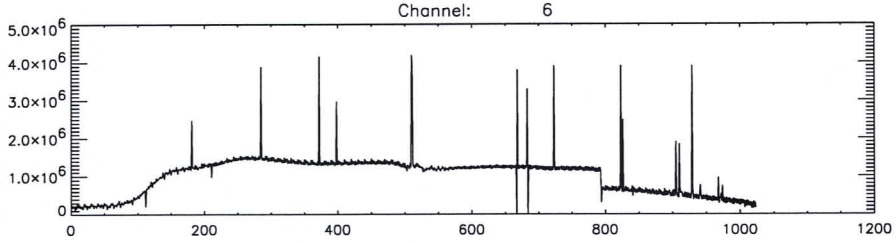
600
800
1000
1200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2.0x10^6
1.0x10^6
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1000
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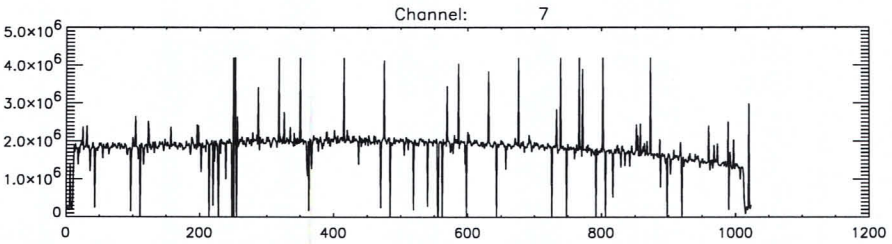
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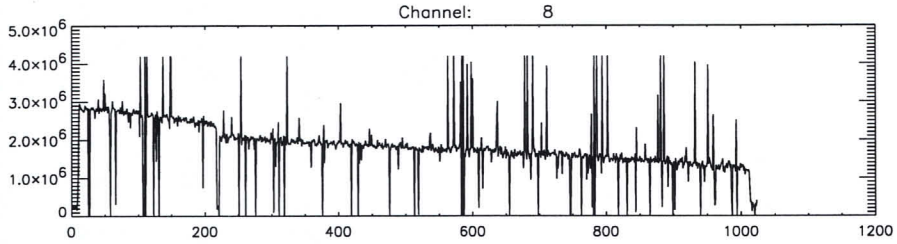
600
800
1000
1200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3.0x10^6
2.0x10^6
1.0x10^6
0
0
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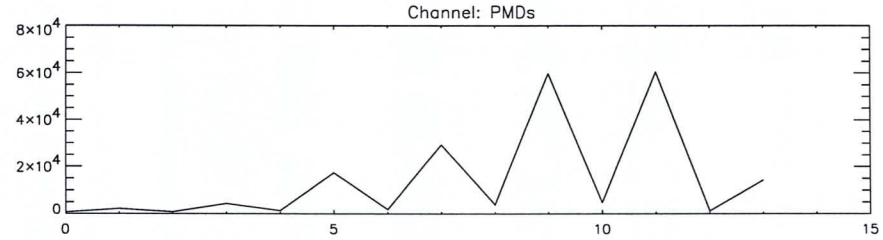
600
800
1000
1200


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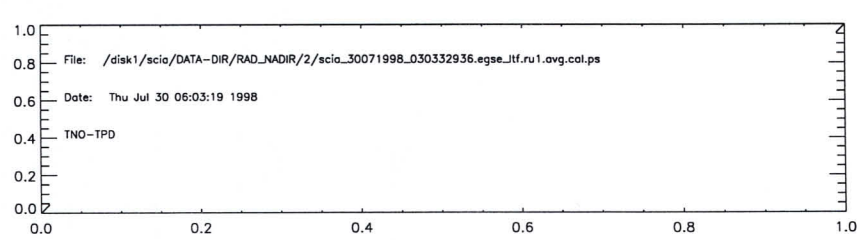
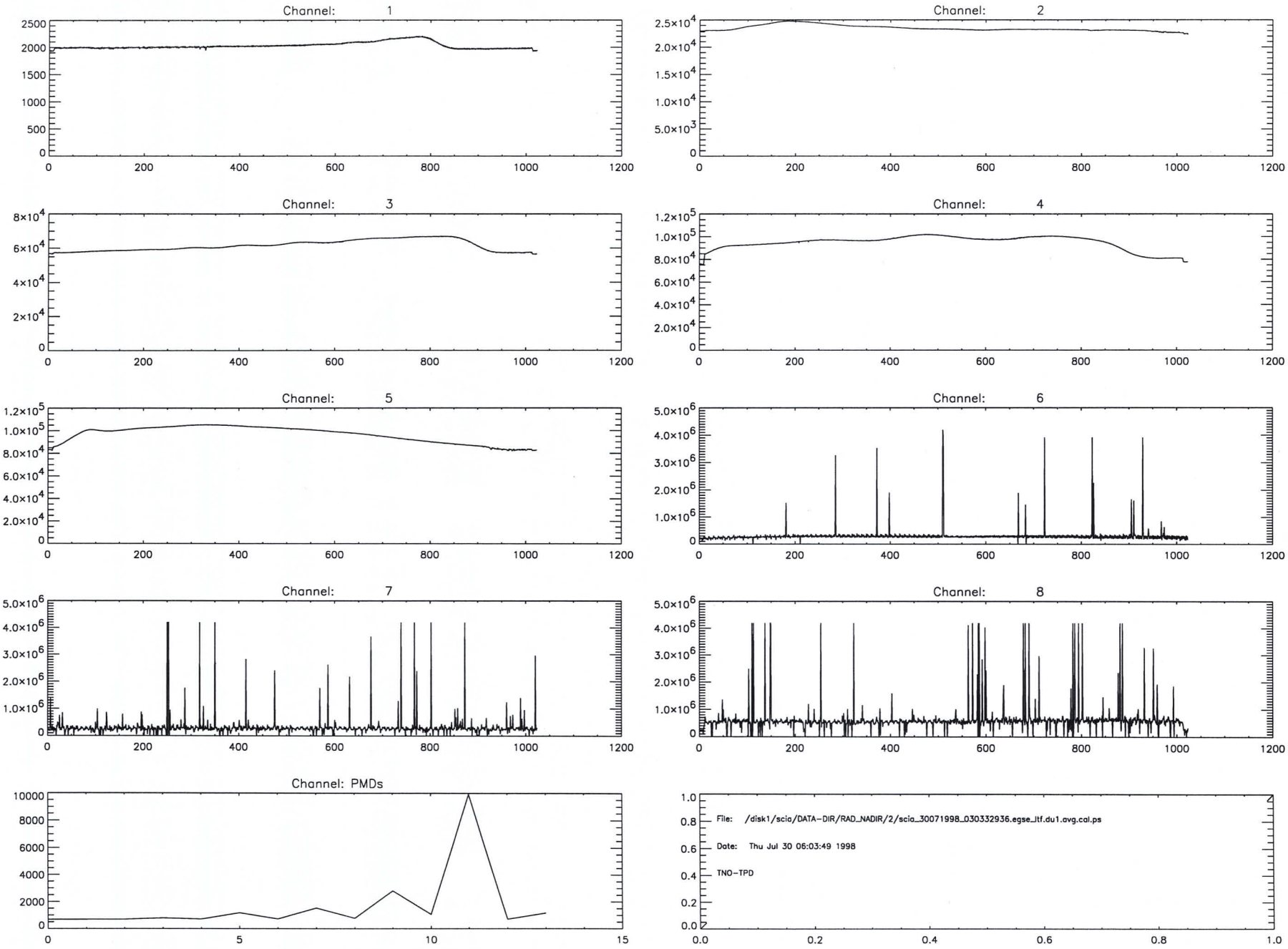
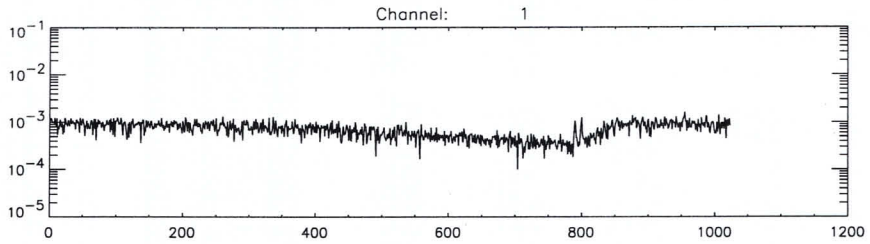
6x10^4
4x10^4
2x10^4
0
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.ru1.avg.cal.ps
Date: Thu Jul 30 06:03:19 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/RAD_NADIR/2/scia_30071998_030332936.egse_itf.du1.avg.cal.ps
Date: Thu Jul 30 06:03:49 1998
TNO-TPD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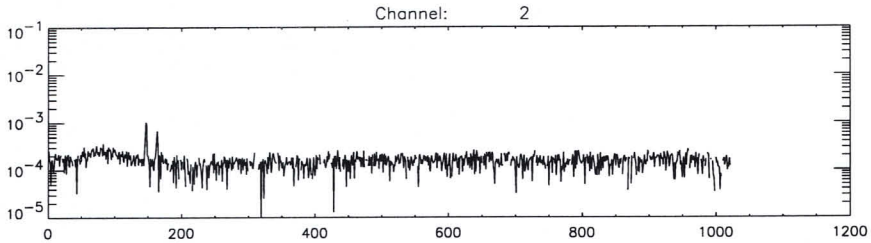
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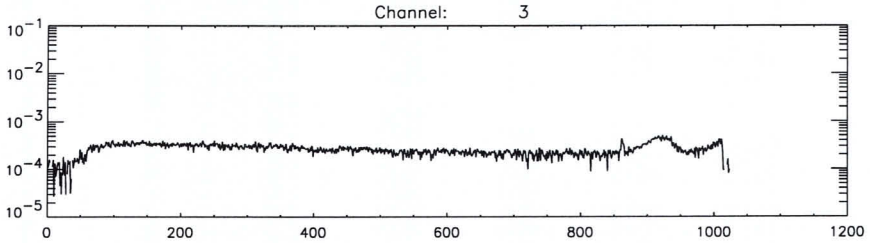
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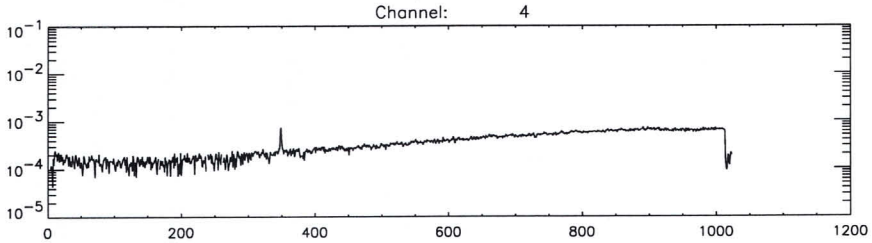
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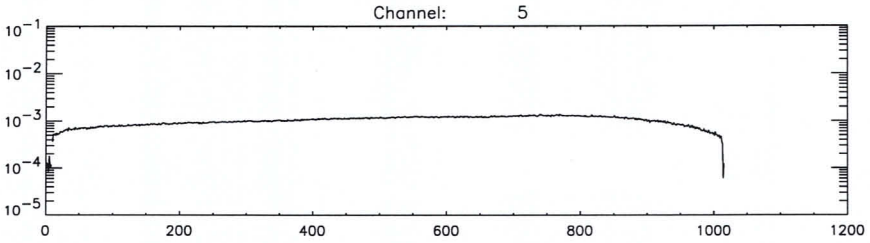
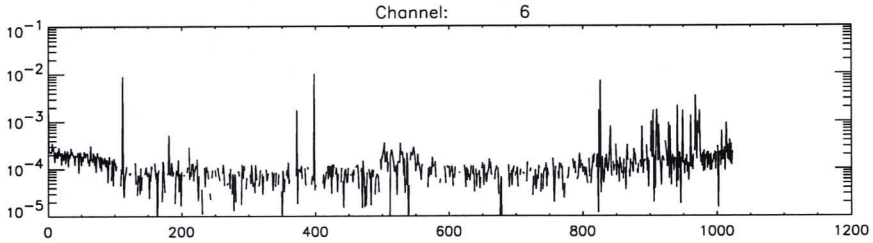
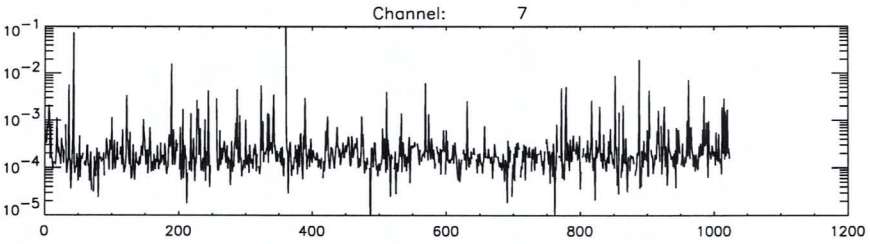
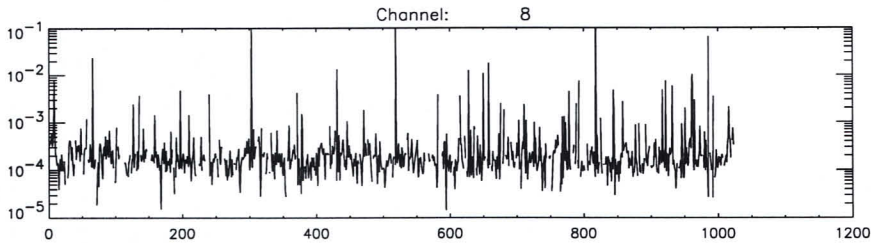
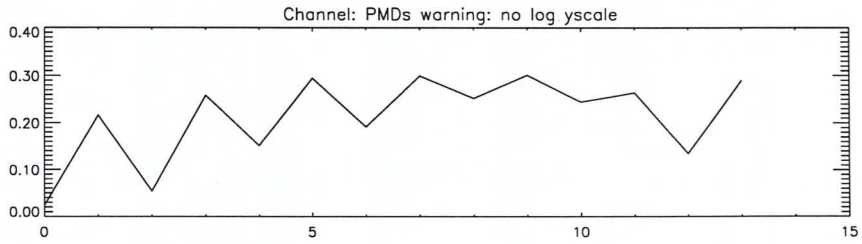
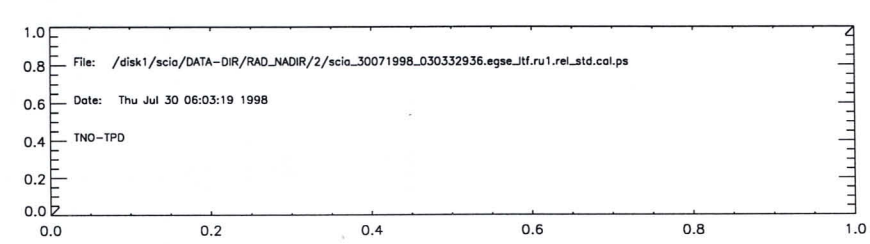

Channel: 5

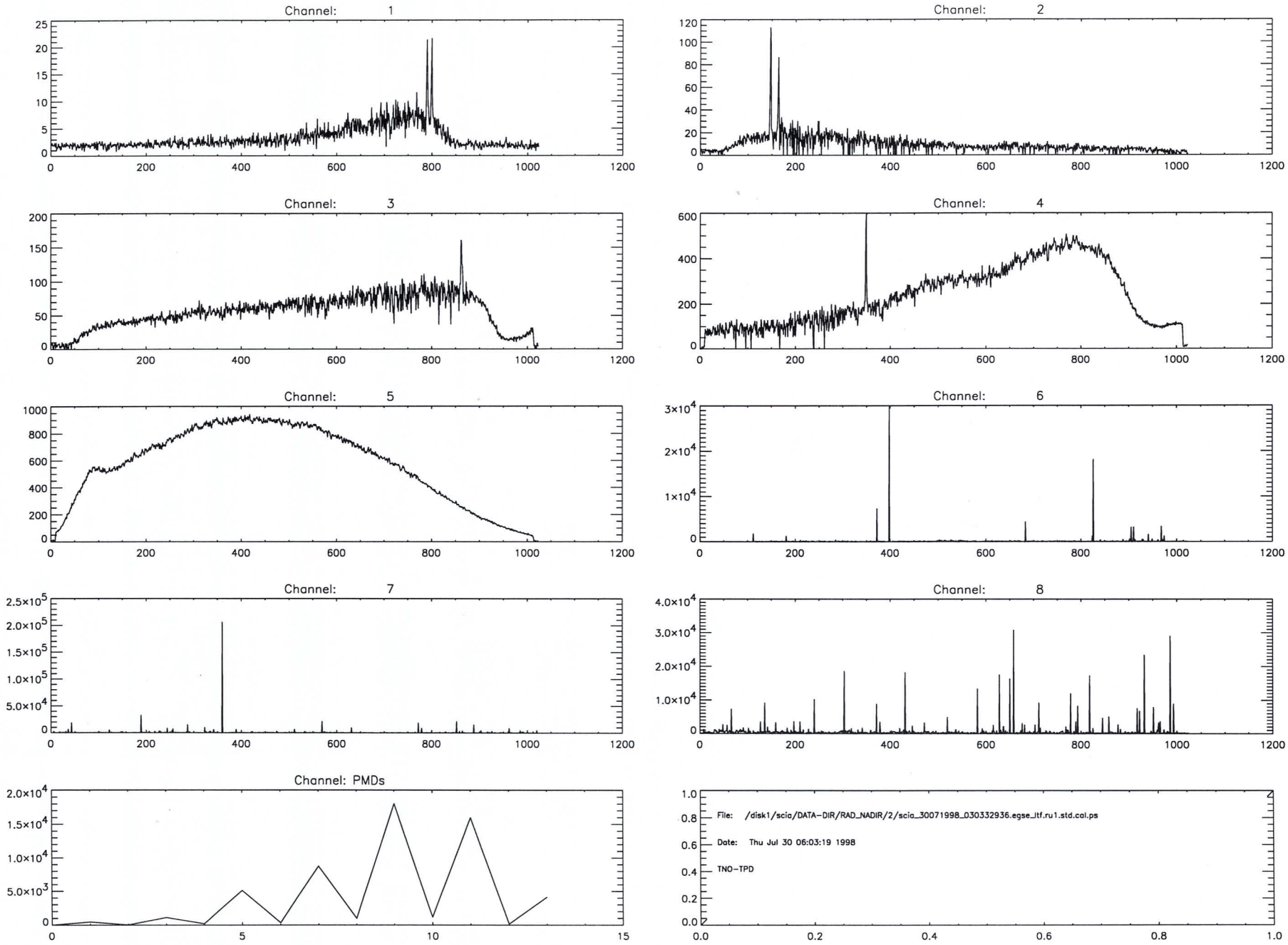

Channel: 6

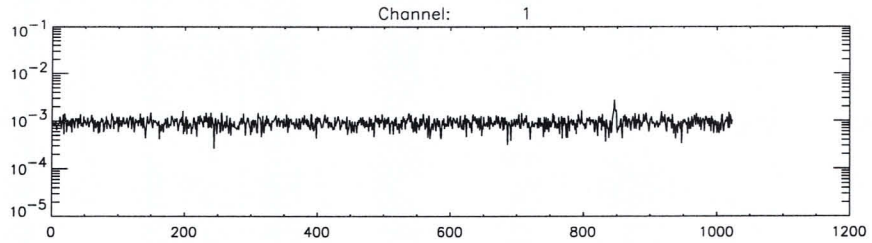

Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.ru1.rel_std.cal.ps
Date: Thu Jul 30 06:03:19 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/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.ru1.std.cal.ps
Date: Thu Jul 30 06:03:19 1998
TNO-TPD


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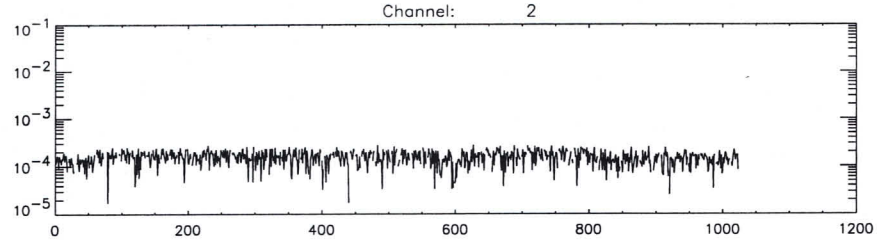
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
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1000
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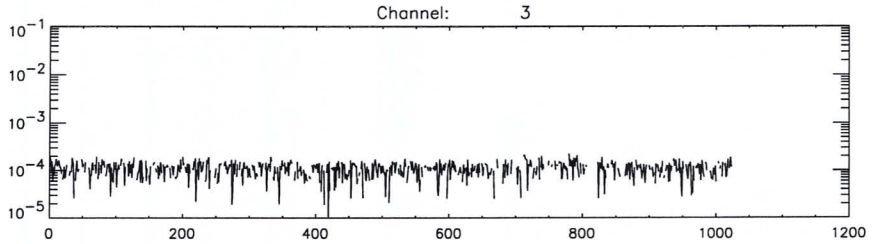
Channel: 3
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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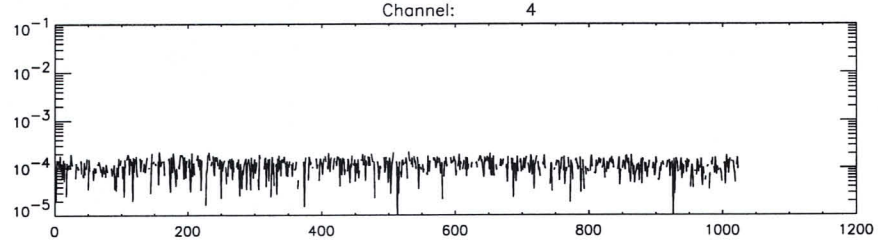
200
400
600
800
1000
1200


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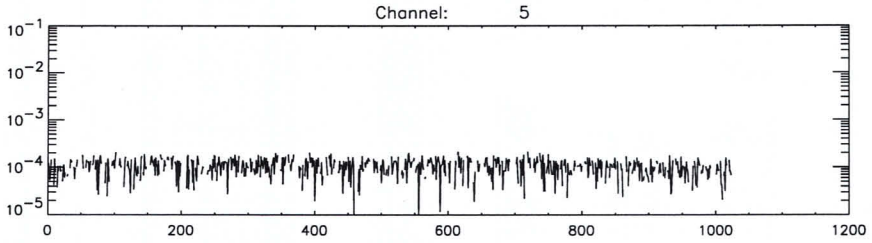
400
600
800
1000
1200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10^{-3}
10^{-4}
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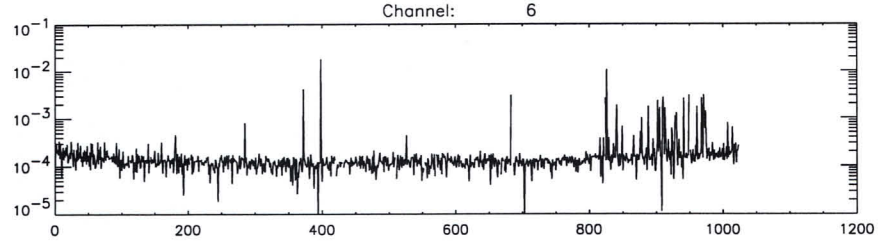
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1000
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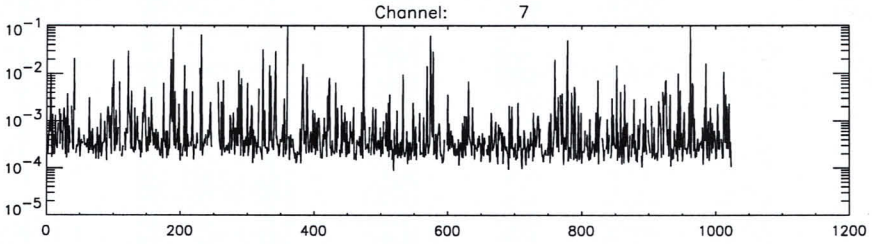
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10^{-4}
10^{-5}
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600
800
1000
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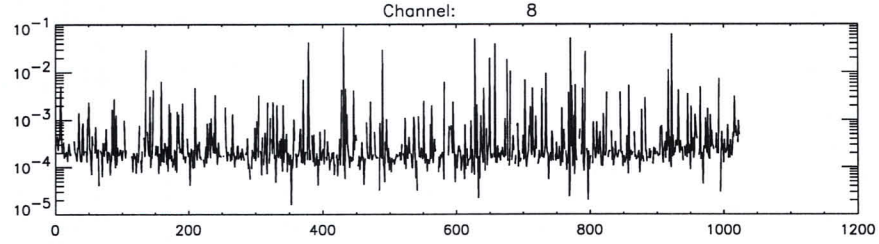
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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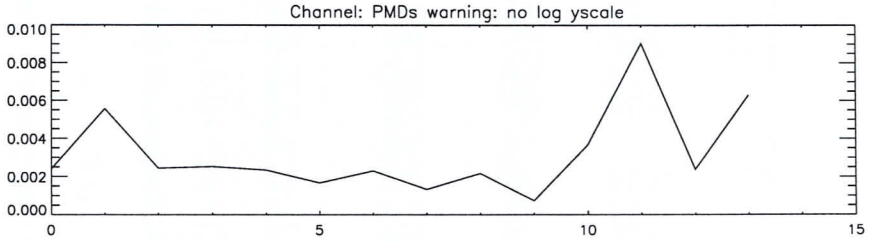
600
800
1000
1200


Channel: PMDs warning: no log yscale
0.010
0.008
0.006
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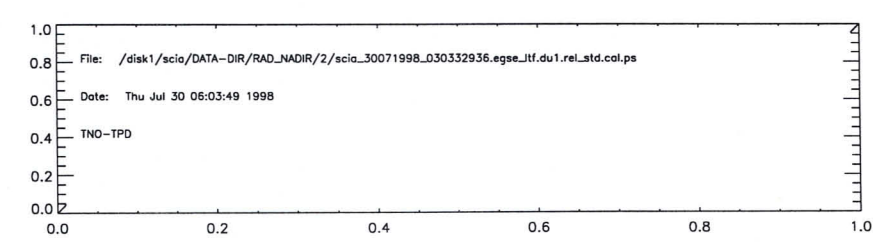
0.002
0.000
0
5
10
15


File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.rel_std.cal.ps
Date: Thu Jul 30 06:03:49 1998
TNO-TPD
1.0
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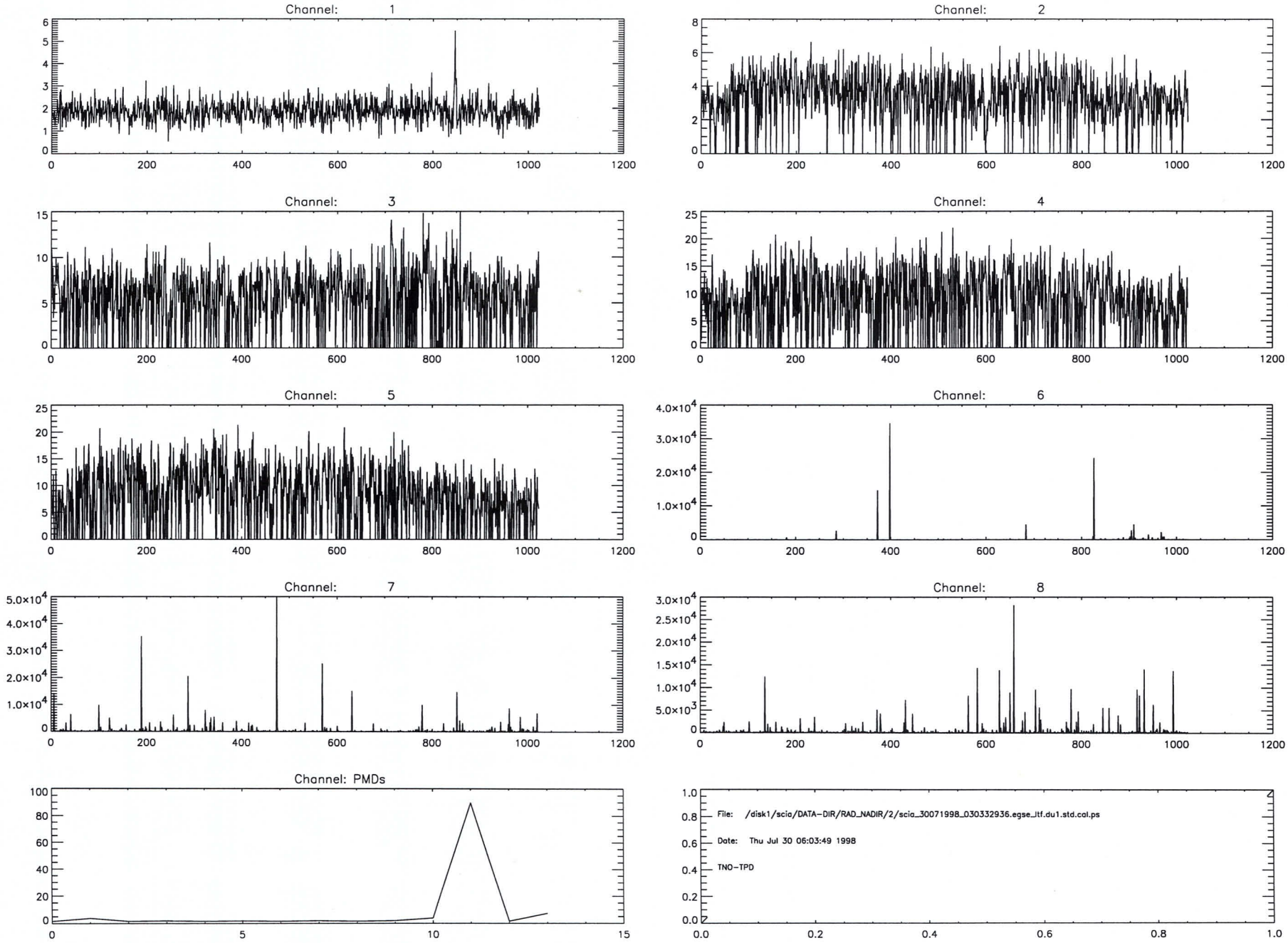
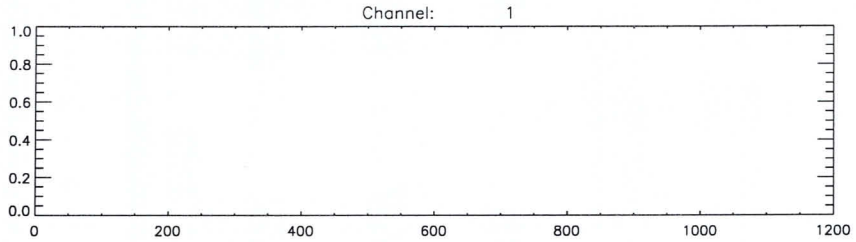
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_itf.du1.std.cal.ps
Date: Thu Jul 30 06:03:49 1998
TNO-TPD


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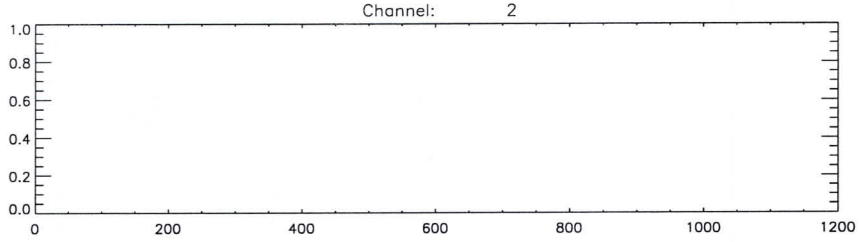
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200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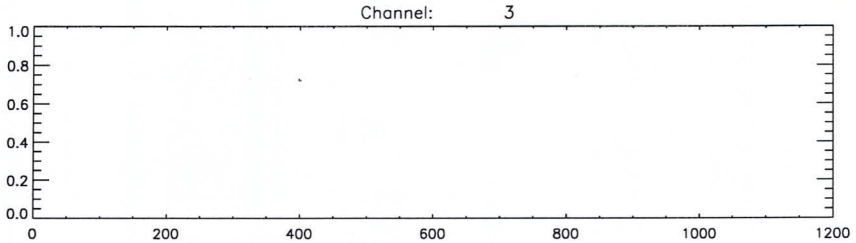
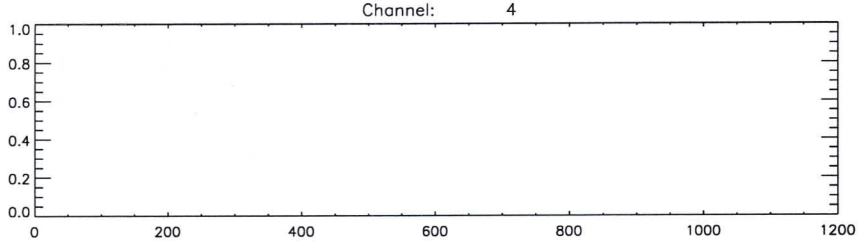
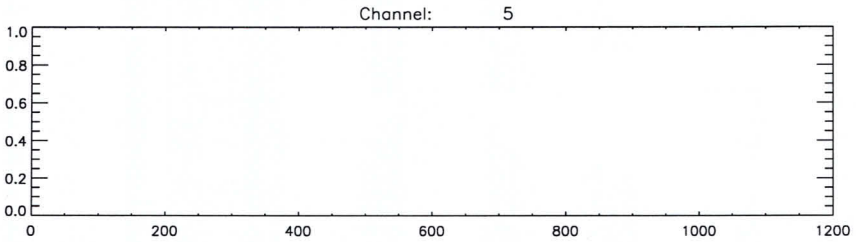
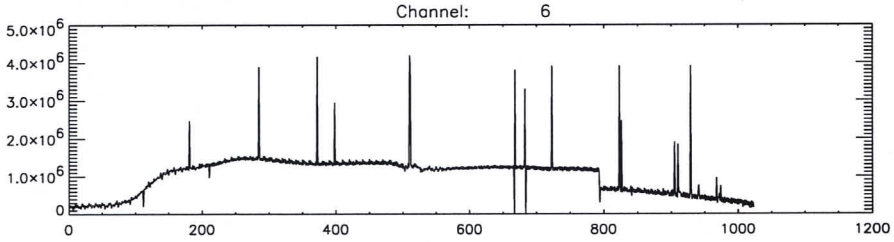
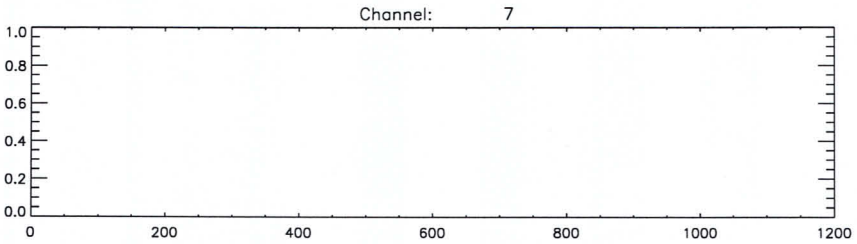
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

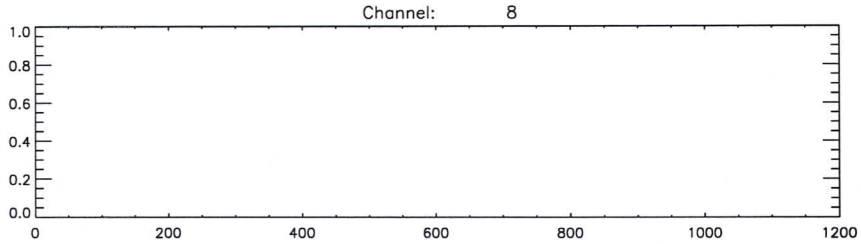

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

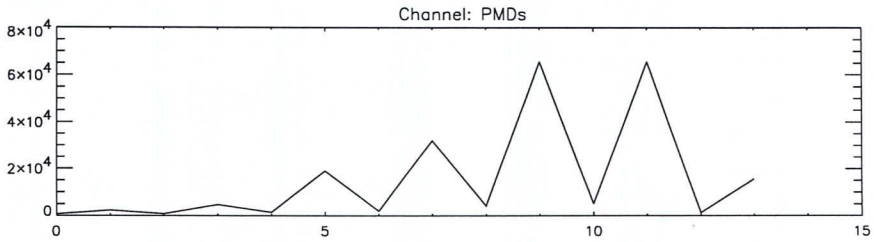

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

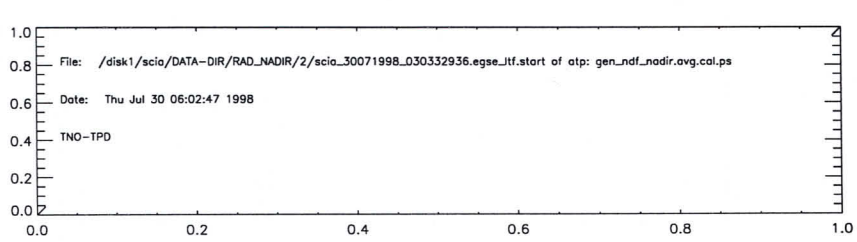

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

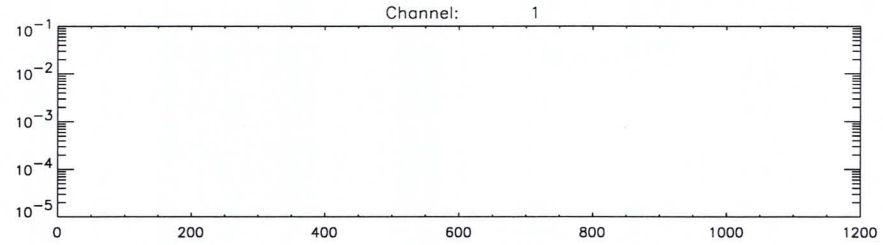

Channel: 6
5.0x10^6
4.0x10^6
3.0x10^6
2.0x10^6
1.0x10^6
0
0
200
400
600
800
1000
1200

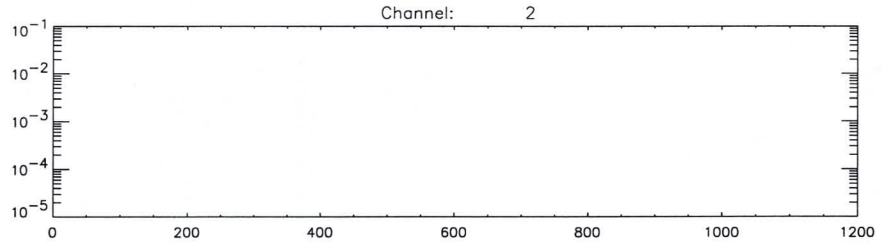

Channel: 7
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

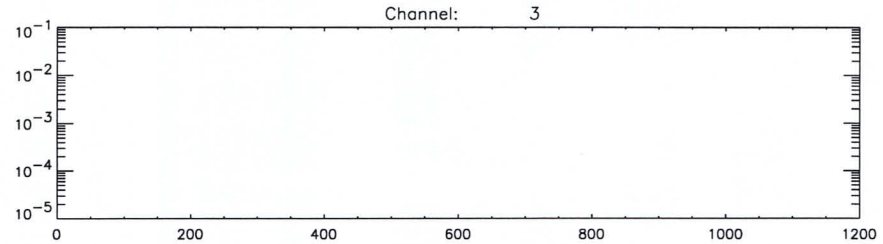

Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

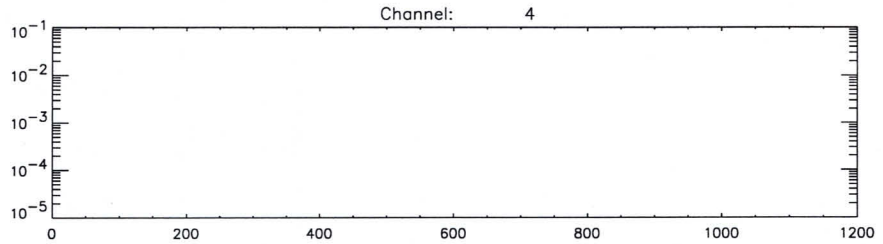

Channel: PMDs
8x10^4
6x10^4
4x10^4
2x10^4
0
0
5
10
15

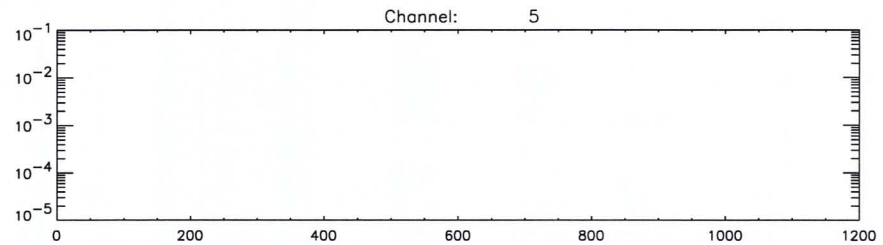

File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.start of atp: gen_ndf_nadir.avg.cal.ps
Date: Thu Jul 30 06:02:47 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

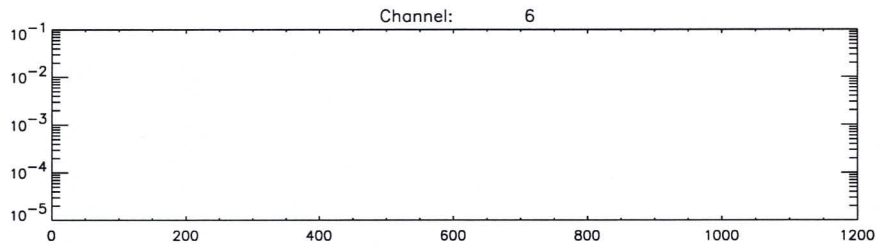

Channel: 1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

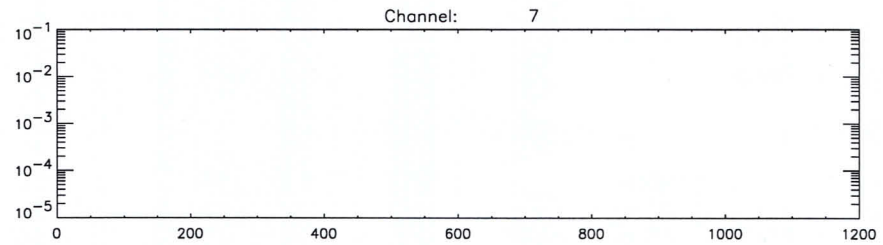

Channel: 2
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

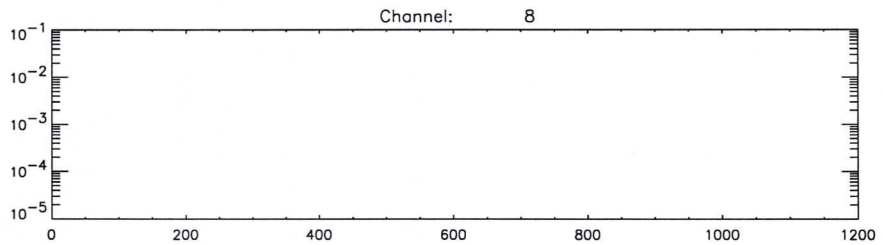

Channel: 3
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

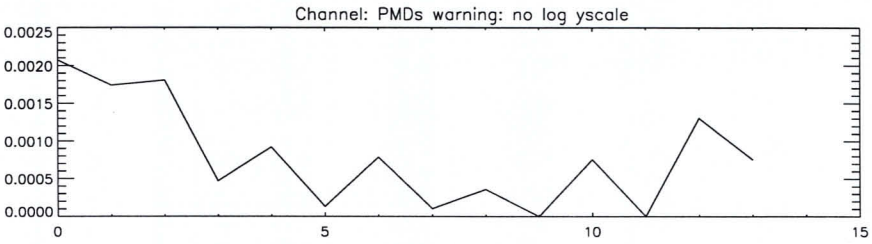

Channel: 4
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

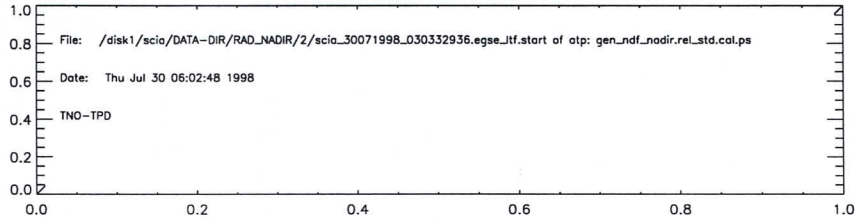

Channel: 5
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

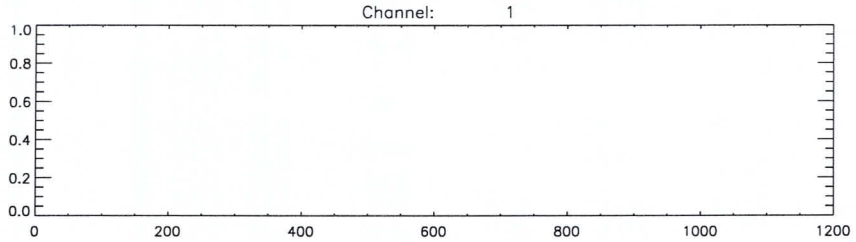

Channel: 6
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

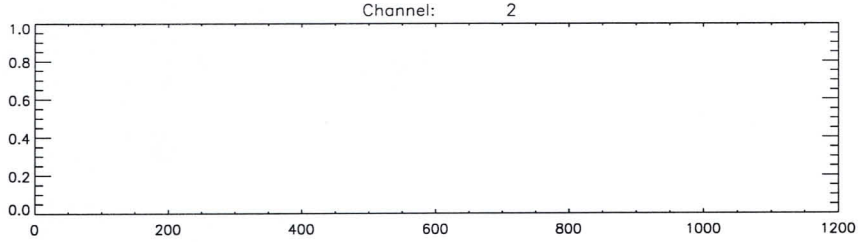

Channel: 7
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

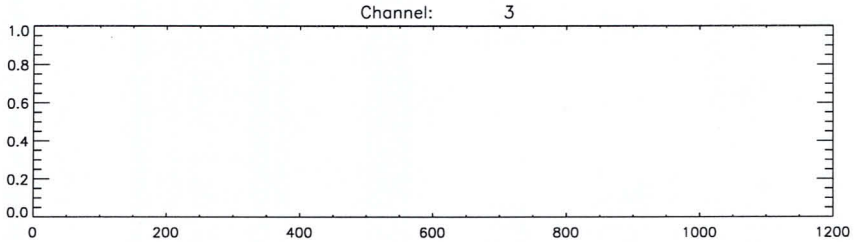

Channel: 8
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200

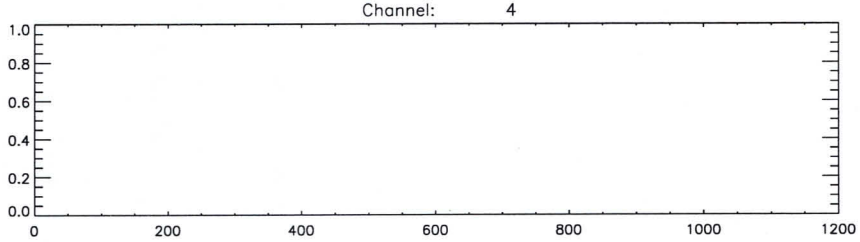

Channel: PMDs warning: no log yscale
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
5
10
15

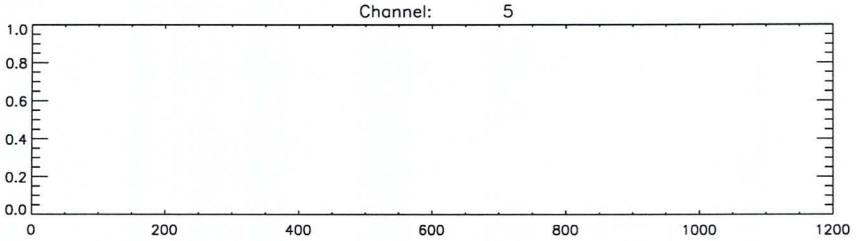

File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.start of atp: gen_ndf_nadir.rel_std.cal.ps
Date: Thu Jul 30 06:02:48 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

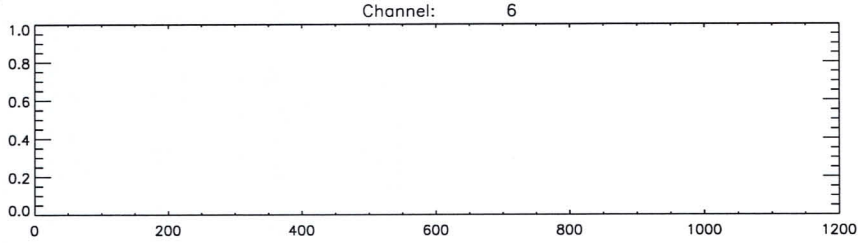

Channel: 1
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

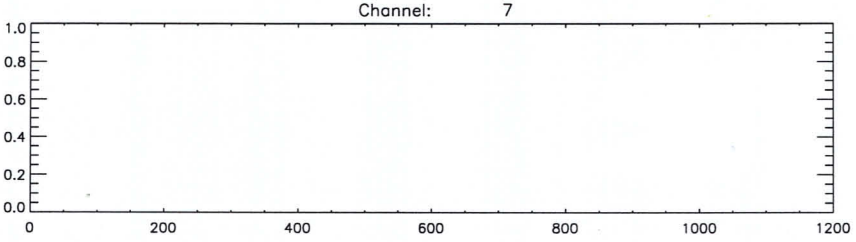

Channel: 2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

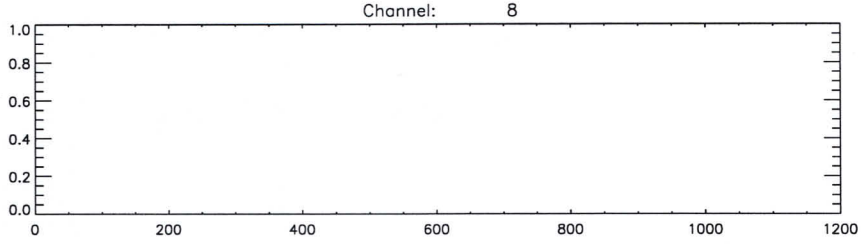

Channel: 3
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

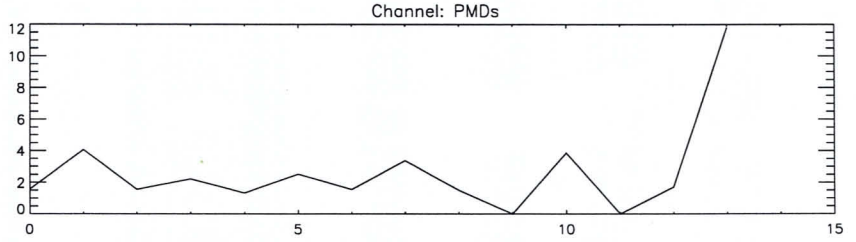

Channel: 4
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

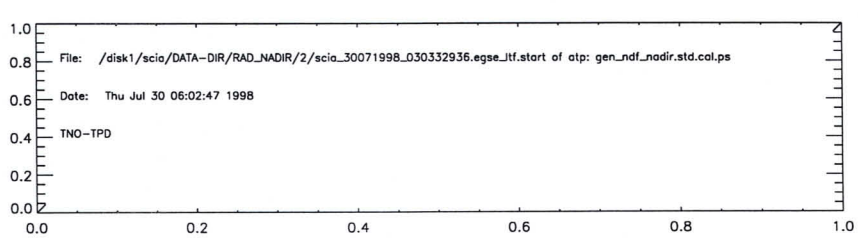

Channel: 5
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


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


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


Channel: 8
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

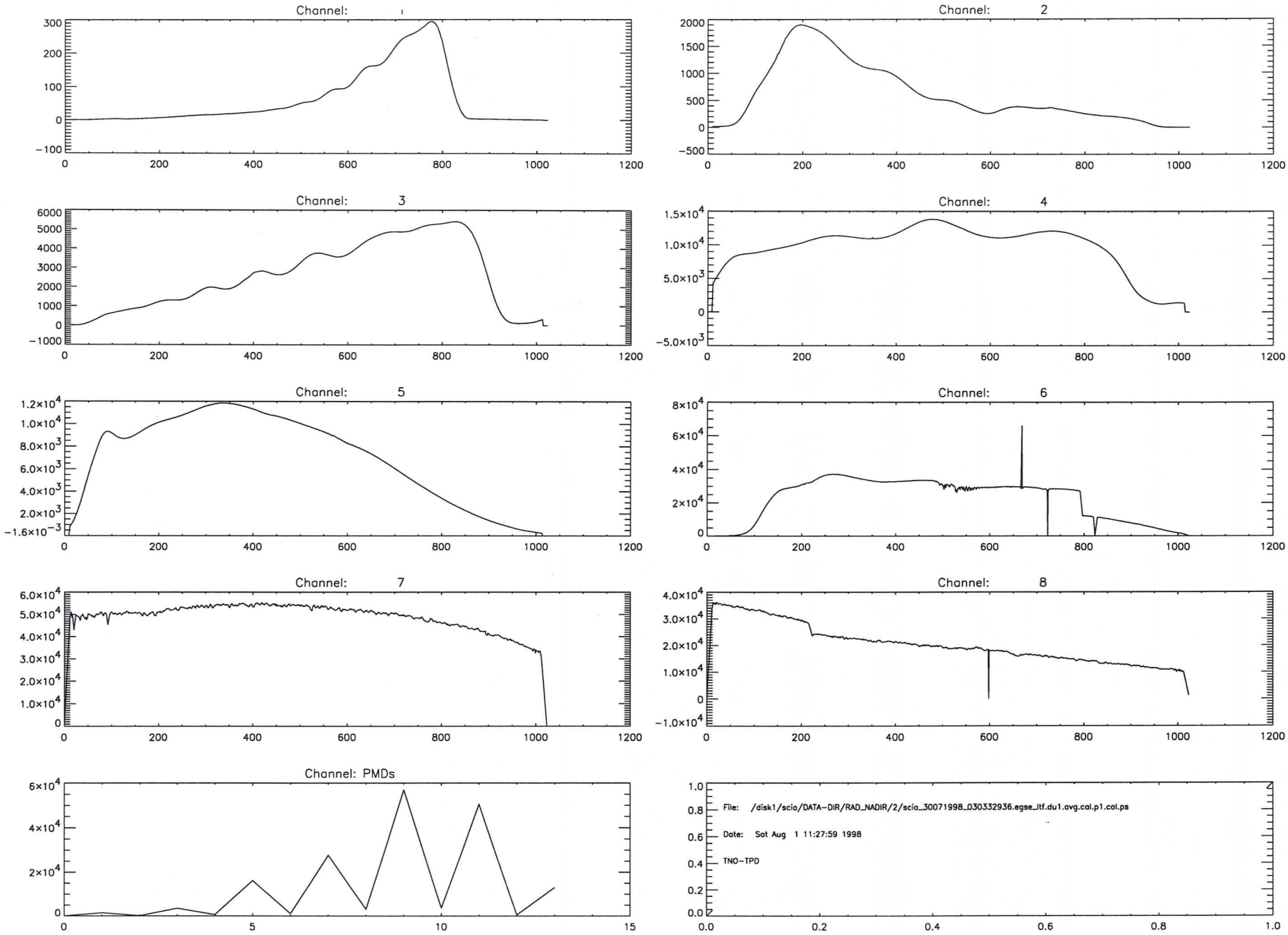

Channel: PMDs
12
10
8
6
4
2
0
0
5
10
15

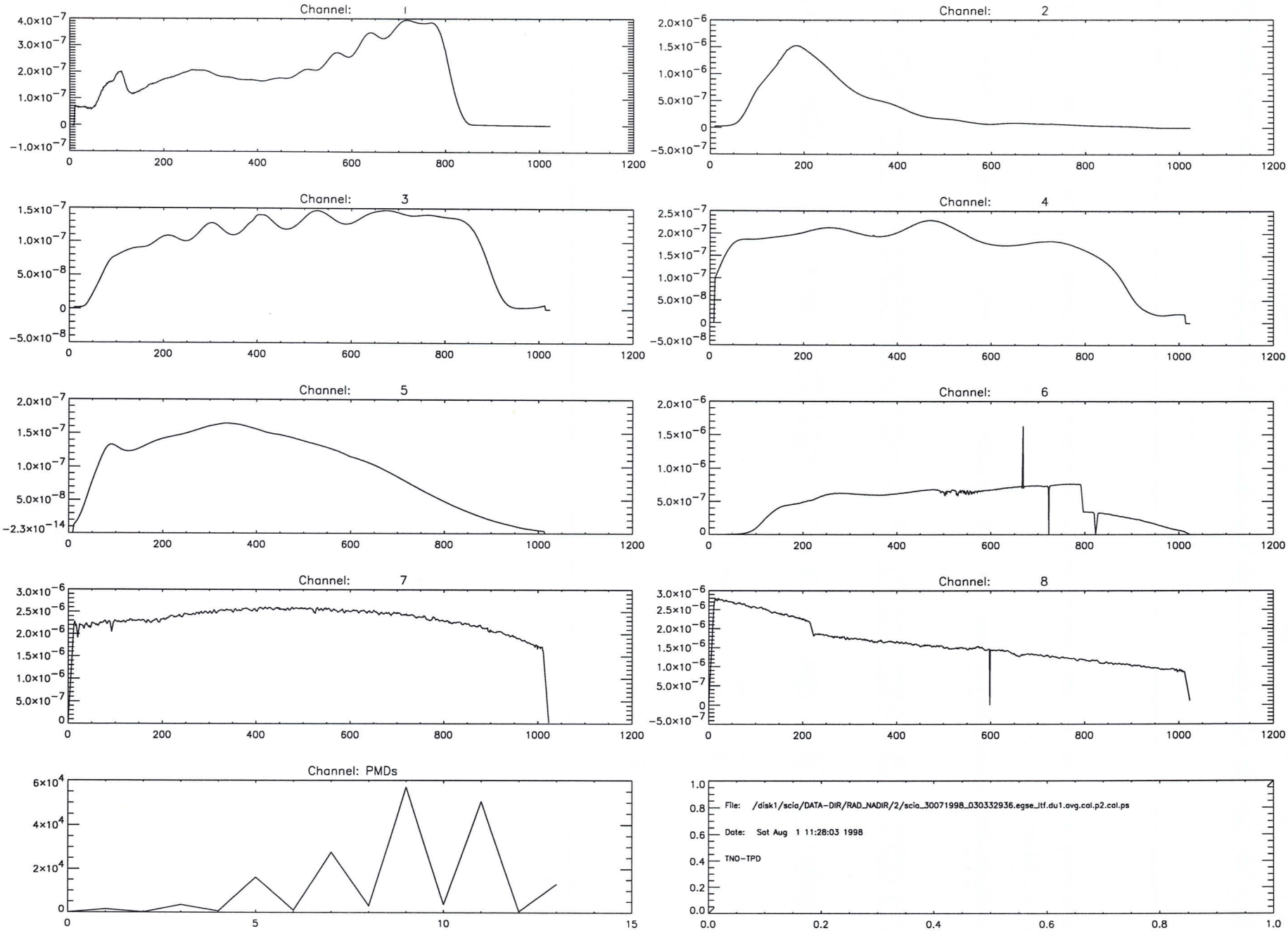

1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_itf.start of atp: gen_ndf_nadir.std.cal.ps
Date: Thu Jul 30 06:02:47 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

```
time       = Thu Jul 30 06:03:49 1998
batch      = du1
Start TOD = Thu 30-Jul-98 03:21:24
End   TOD = Thu 30-Jul-98 03:33:00
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 06:03:19 1998
batch      = ru1
Start TOD = Thu 30-Jul-98 03:03:59
End   TOD = Thu 30-Jul-98 03:21:24
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Thu Jul 30 06:02:48 1998
batch      = start of atp: gen_ndf_nadir
Start TOD = Thu 30-Jul-98 03:03:59
End   TOD = Thu 30-Jul-98 03:03:59
Processing= computation of average, standard dev. and rel.standard dev.
```


Channel:
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Sat Aug 1 11:27:59 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/RAD_NADIR/2/scia_30071998_030332936.egse_itf.du1.avg.cal.p2.cal.ps
Date: Sat Aug 1 11:28:03 1998
TNO-TPD

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/300798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/300798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/300798/stray.da
Processing time: Sat Aug  1 11:27:59 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
a  4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
PPG correction filename used: /disk1/scia/DATA-DIR/CORR/300798/ppg.cal
ETALON correction filename used: /disk1/scia/DATA-DIR/CORR/300798/etalon.cal
PIXEL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/dead_bad.pix
WL correction filename used: /disk1/scia/DATA-DIR/CORR/300798/wl.data
STRAYLIGHT correction filename used: /disk1/scia/DATA-DIR/CORR/300798/stray.da
Processing time: Sat Aug  1 11:28:03 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/2/scia_30071998_030332936.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
;   4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Gerard Otker 1-8-1998	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`./mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		(Y) / N
		
		(Y) ? N behalve s_namnes en l_names
		
		(Y) / N	

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

Instructions printed in maskermap

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

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

Sign:
Name _____
Date and time _____
Signature _____

```
#! /bin/sh
mv f0 WS_FTP.LOG
mv f1 dapbchklog
mv f2 dapbseqlog
mv f3 egse.inf
mv f4 gemsmpara.dat
mv f5 hk_ccb.dat
mv f6 scia_30071998_030332936.dat
mv f7 scia_30071998_030332936.egse_ltf
mv f8 scia_30071998_030332936.egse_ltf.du1.avg.cal
mv f9 scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal
mv f10 scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.log
mv f11 scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.ps
mv f12 scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f13 scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal
mv f14 scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f15 scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.log
mv f16 scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.ps
mv f17 scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f18 scia_30071998_030332936.egse_ltf.du1.avg.cal.ps
mv f19 scia_30071998_030332936.egse_ltf.du1.log
mv f20 scia_30071998_030332936.egse_ltf.du1.rel_std.cal
n  f21 scia_30071998_030332936.egse_ltf.du1.rel_std.cal.ps
mv f22 scia_30071998_030332936.egse_ltf.du1.std.cal
mv f23 scia_30071998_030332936.egse_ltf.du1.std.cal.ps
mv f24 scia_30071998_030332936.egse_ltf.ru1.avg.cal
mv f25 scia_30071998_030332936.egse_ltf.ru1.avg.cal.ps
mv f26 scia_30071998_030332936.egse_ltf.ru1.log
mv f27 scia_30071998_030332936.egse_ltf.ru1.rel_std.cal
mv f28 scia_30071998_030332936.egse_ltf.ru1.rel_std.cal.ps
mv f29 scia_30071998_030332936.egse_ltf.ru1.std.cal
mv f30 scia_30071998_030332936.egse_ltf.ru1.std.cal.ps
mv f31 scia_30071998_030332936.egse_ltf.startofatp:gen_ndf_nadir.log
```

```
#! /bin/sh
mv WS_FTP.LOG f0
mv dapbchklog f1
mv dapbseqlog f2
mv egse.inf f3
mv gemsmpara.dat f4
mv hk_ccb.dat f5
mv scia_30071998_030332936.dat f6
mv scia_30071998_030332936.egse_ltf f7
mv scia_30071998_030332936.egse_ltf.du1.avg.cal f8
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal f9
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.log f10
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.ps f11
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p1.cal.ps.log f12
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal f13
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.keydata f14
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.log f15
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.ps f16
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.p2.cal.ps.log f17
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.ps f18
mv scia_30071998_030332936.egse_ltf.du1.log f19
mv scia_30071998_030332936.egse_ltf.du1.rel_std.cal f20
n  scia_30071998_030332936.egse_ltf.du1.rel_std.cal.ps f21
mv scia_30071998_030332936.egse_ltf.du1.std.cal f22
mv scia_30071998_030332936.egse_ltf.du1.std.cal.ps f23
mv scia_30071998_030332936.egse_ltf.ru1.avg.cal f24
mv scia_30071998_030332936.egse_ltf.ru1.avg.cal.ps f25
mv scia_30071998_030332936.egse_ltf.ru1.log f26
mv scia_30071998_030332936.egse_ltf.ru1.rel_std.cal f27
mv scia_30071998_030332936.egse_ltf.ru1.rel_std.cal.ps f28
mv scia_30071998_030332936.egse_ltf.ru1.std.cal f29
mv scia_30071998_030332936.egse_ltf.ru1.std.cal.ps f30
mv scia_30071998_030332936.egse_ltf.startofatp:gen_ndf_nadir.log f31
```

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	31/7	4.30 UTC Overdracht Team 1 → 5	
		Begin analyse door Bart verslijt (ratio) diverse rad measurements	
		Marcel + Bart. Stap 2-3 uid 36 klaar 6.10 UTC	
	31/7	marcel + Bert analyse Uid 36 stap 2-3	
		Bart + Carina starten Uid 24 stap 2-6	

Formal Run of Measurement

(Measurement ID) Gen_NOE_NADIR

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	+165	deg
Elevation	-1,5	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	39									
Repetitions	11									

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	4	16						
4	2	32						
5	2	32						
6	0,5	64						
7	0,5	64						
8	1	64						
State ID								

Step 2-3
Team 5
UID 36
~~Gen~~
Rad. Nadir.
min + 0,5
+ND

Stimuli Settings for Existing Blocks in Measurement

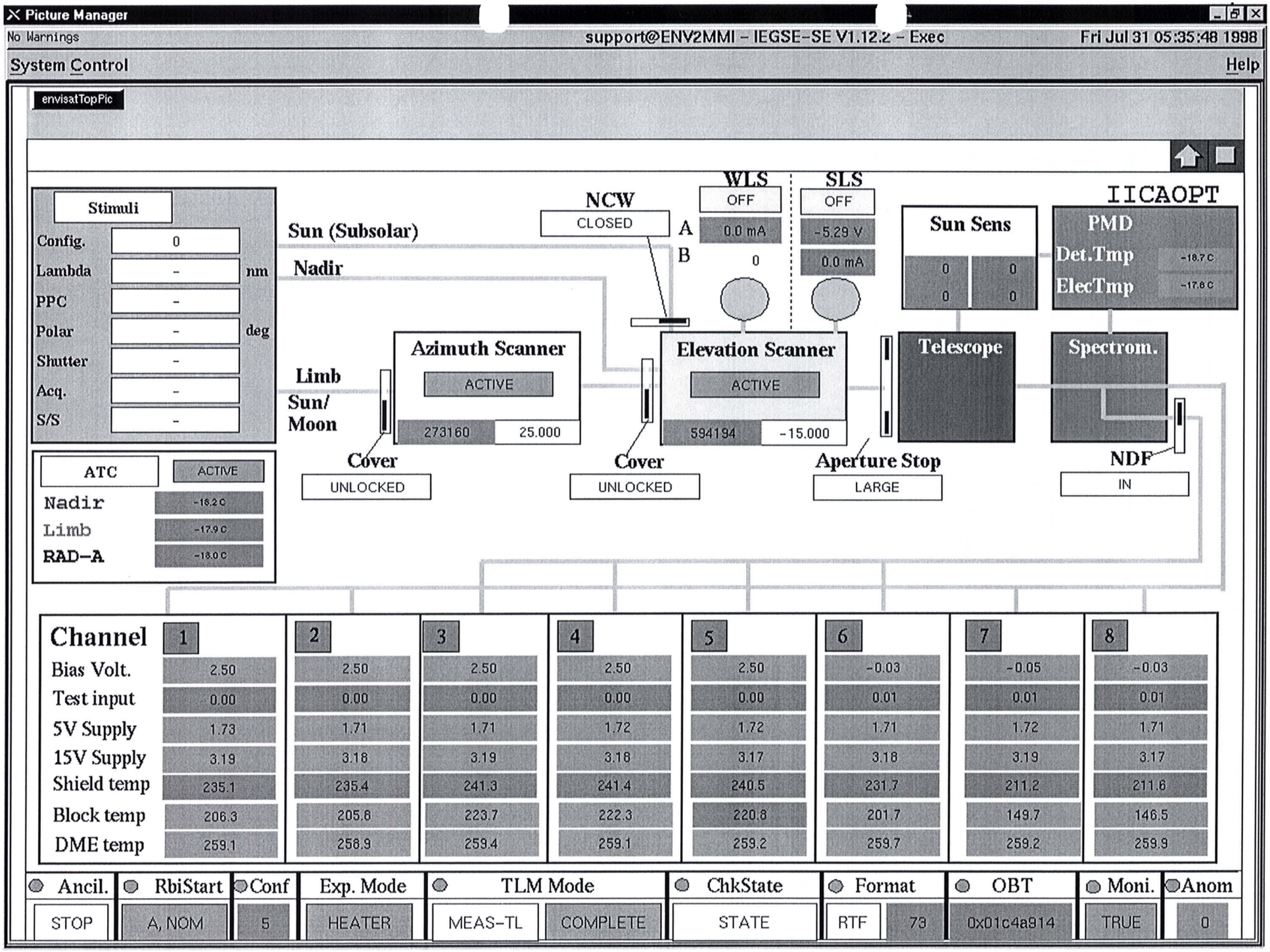
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition Time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]

Measurement Data Description

Test Purpose	UID 36
Remark	Rad/Nadir/min + 0,5/ND
Data Directory	0212_05.21.26-GEN_NOENADIR

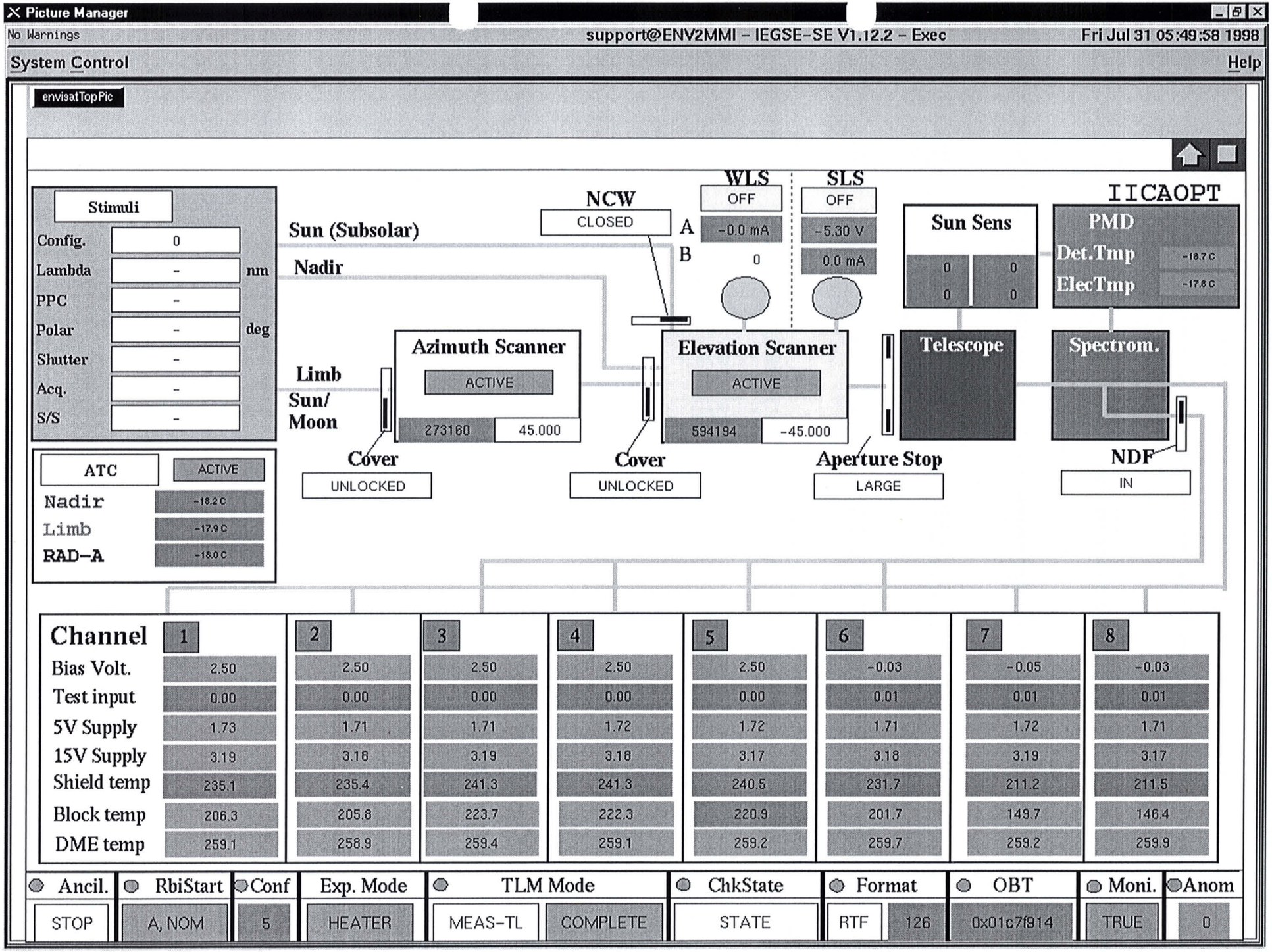
Signatures

	Date	Signature
Issued	31.12.21	
< Performed	31/7/91	Epoch

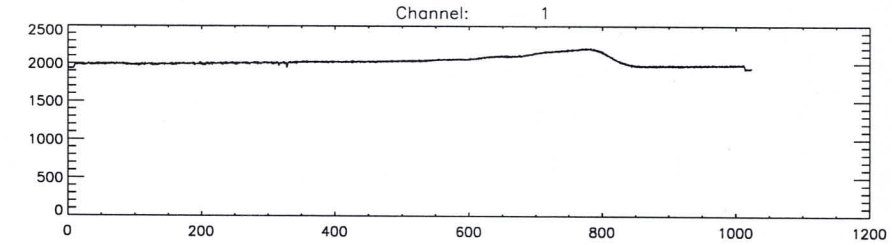


Step 2-3 UID 36

31/7 6.07 UTC



Step 2-3
3/7
11:30
6.07 UTC
3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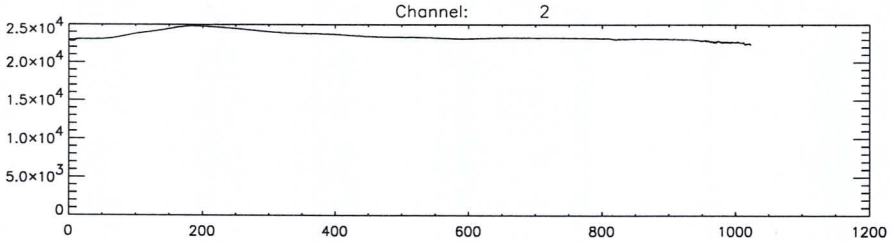
1000
1200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1.5×10^4
1.0×10^4
5.0×10^3
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600
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1000
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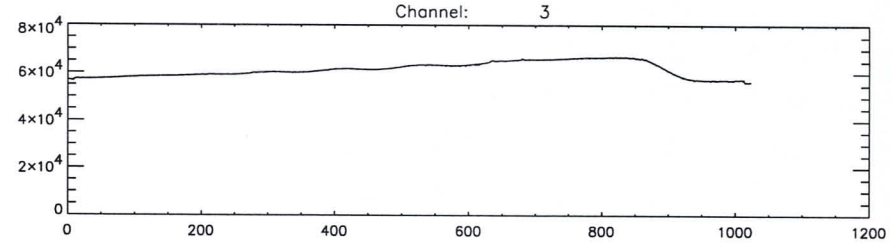
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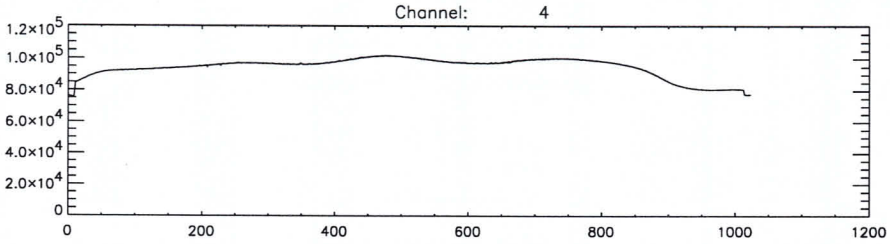
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1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
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600
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1000
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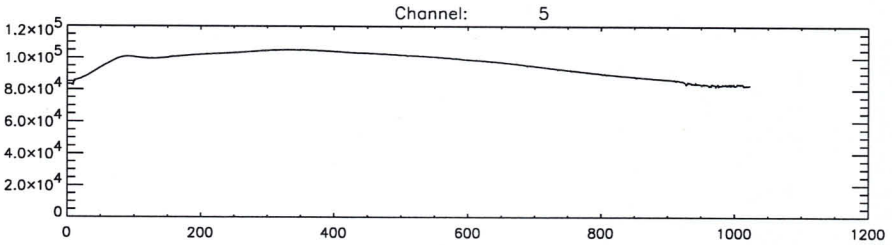
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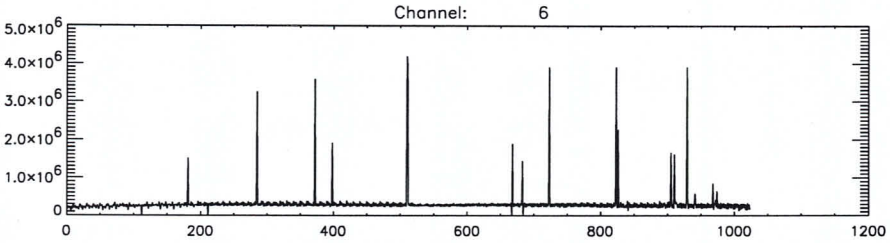
600
800
1000
1200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3.0×10^6
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1.0×10^6
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600
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1000
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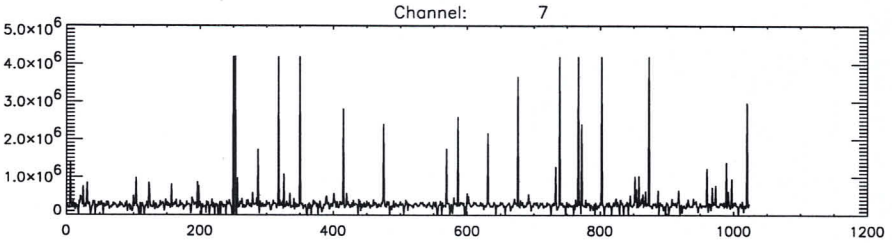
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3.0×10^6
2.0×10^6
1.0×10^6
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600
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1000
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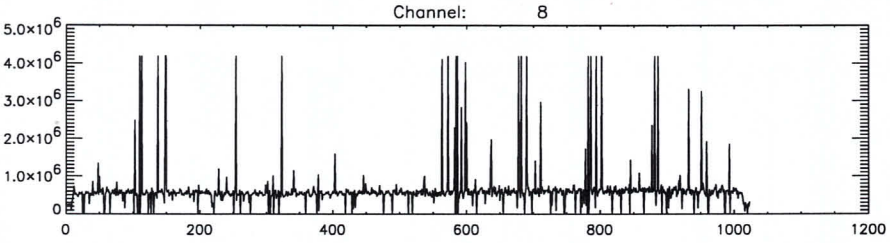
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1.0×10^6
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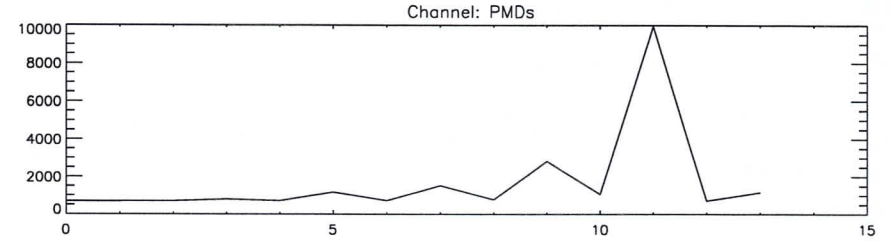
600
800
1000
1200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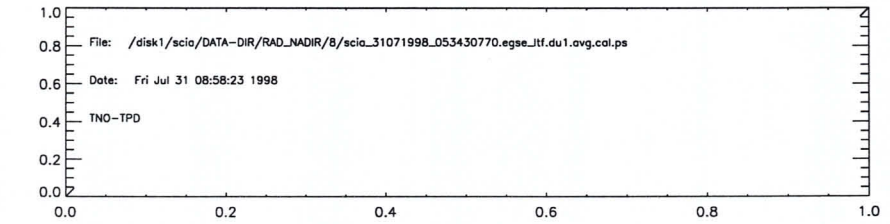
6000
4000
2000
0
0
5
10
15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Date: Fri Jul 31 08:58:23 1998
TNO-TPD
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0.4
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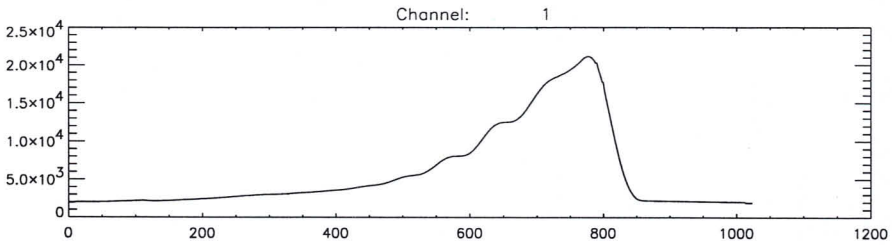
0.2
0.4
0.6
0.8
1.0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1.5×10^4
1.0×10^4
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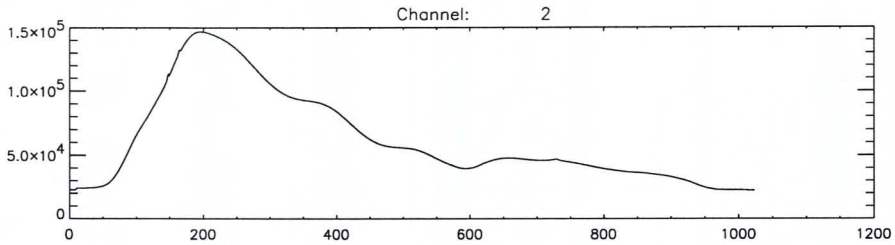
600
800
1000
1200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1.5×10^5
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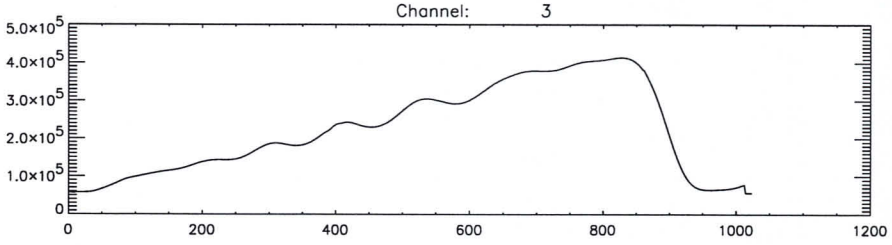
5.0×10^4
0
0
200
400
600
800
1000
1200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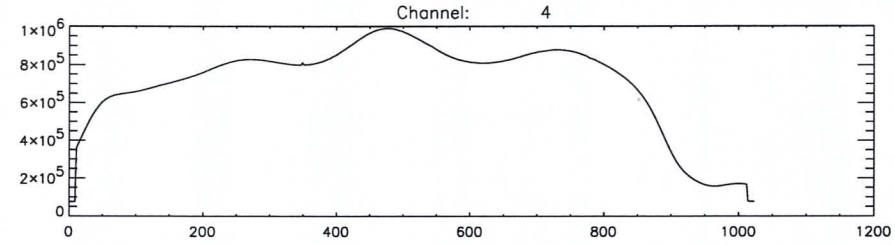
1000
1200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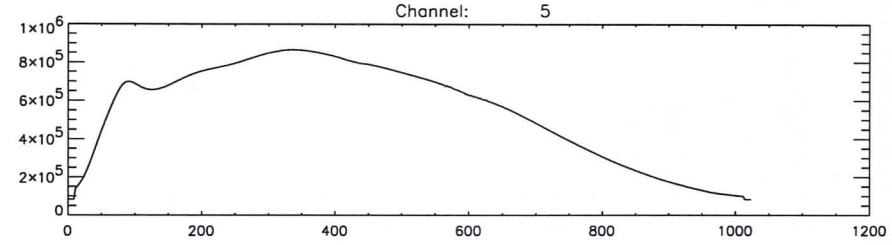
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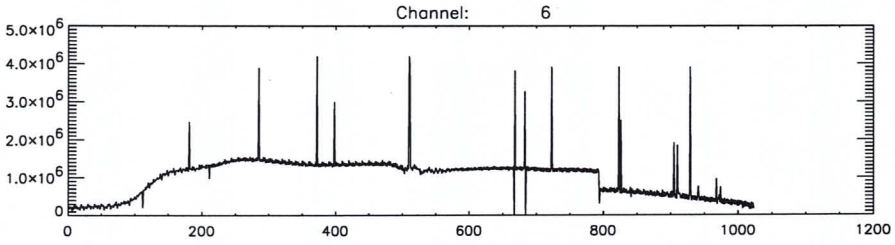
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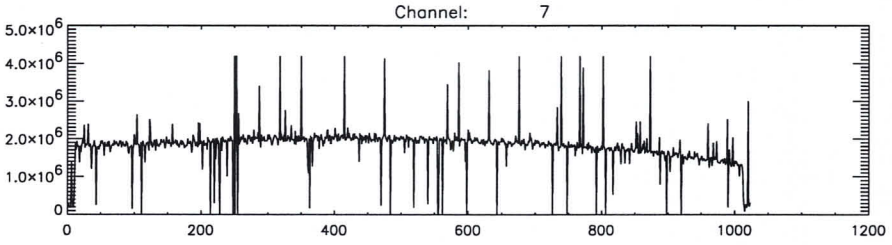
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1.0×10^6
0
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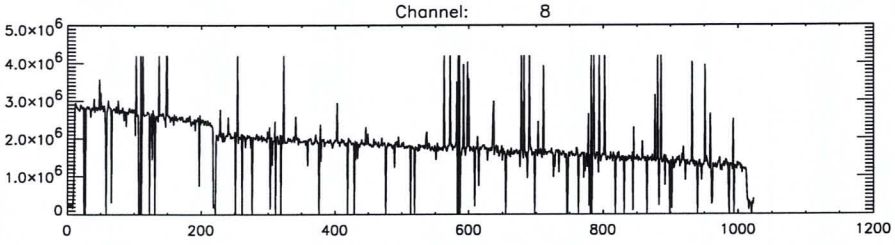
600
800
1000
1200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2.0×10^6
1.0×10^6
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600
800
1000
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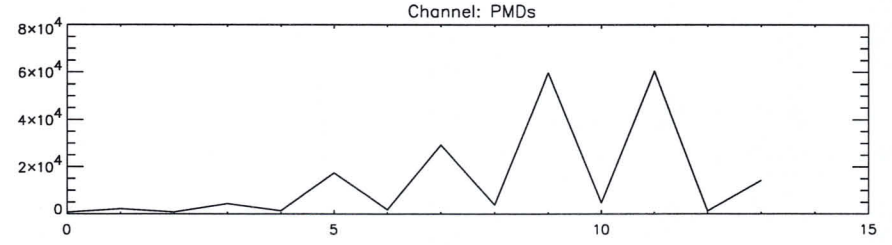
Channel: PMDs
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4×10^4
2×10^4
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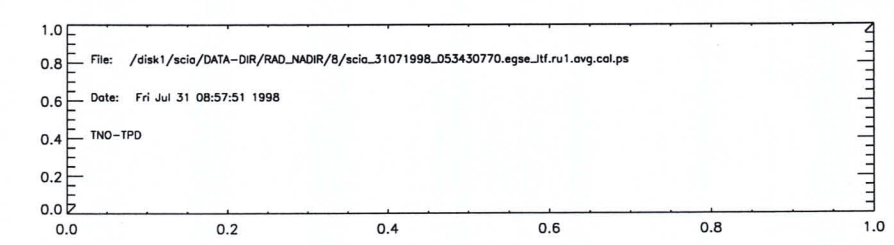
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.ru1.avg.col.ps
Date: Fri Jul 31 08:57:51 1998
TNO-TPD
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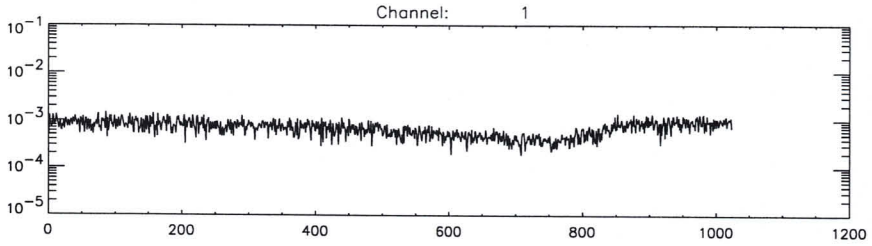
0.2
0.4
0.6
0.8
1.0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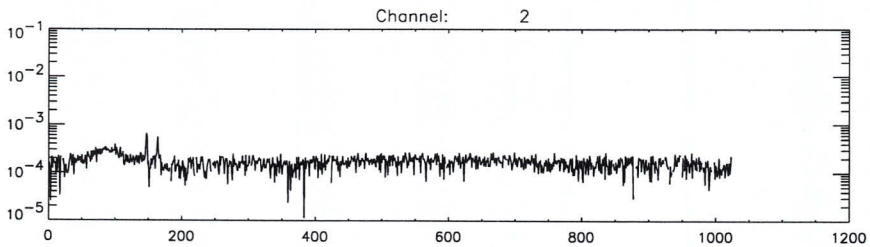
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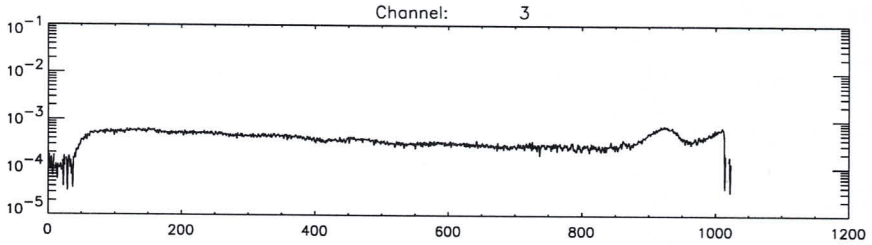
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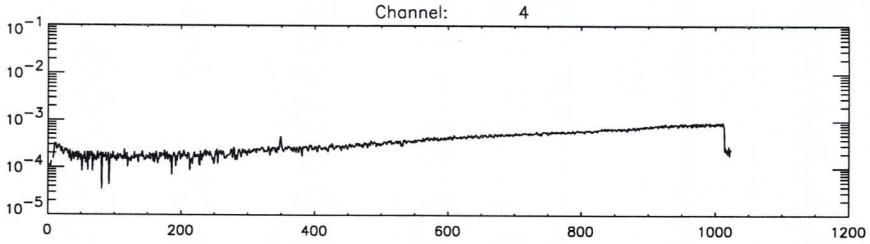
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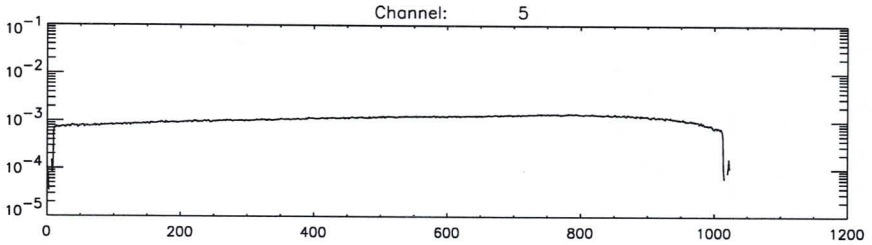
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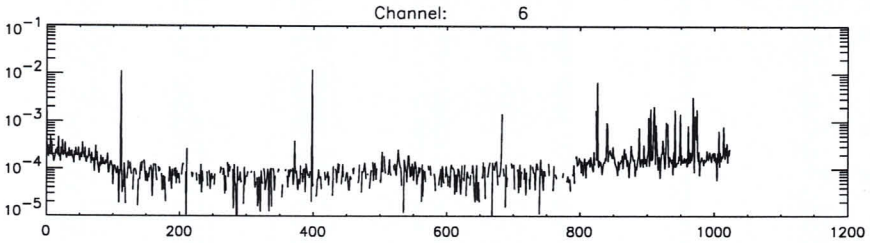
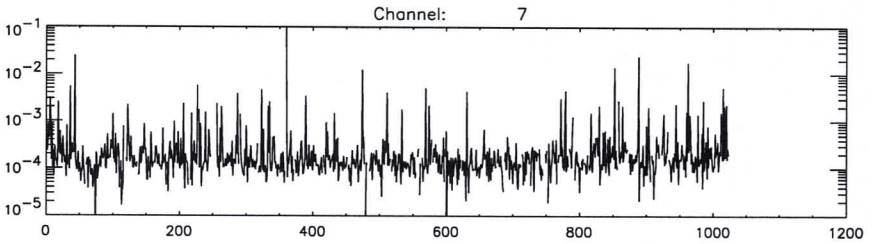
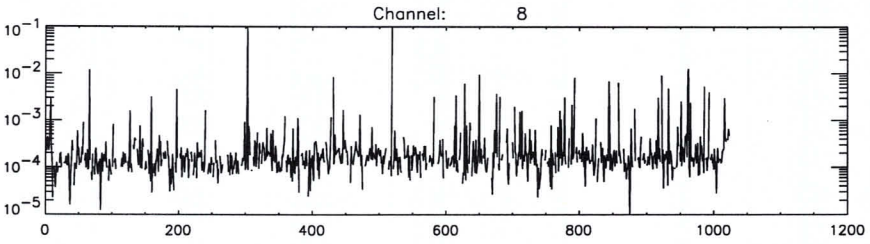
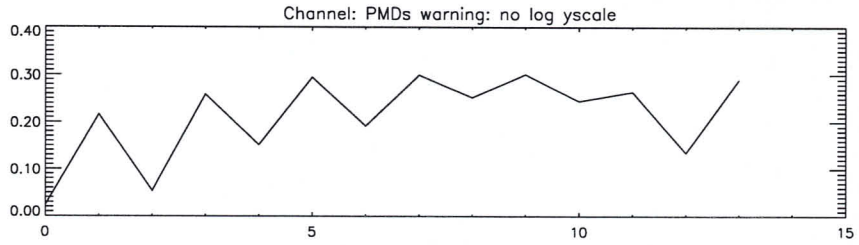
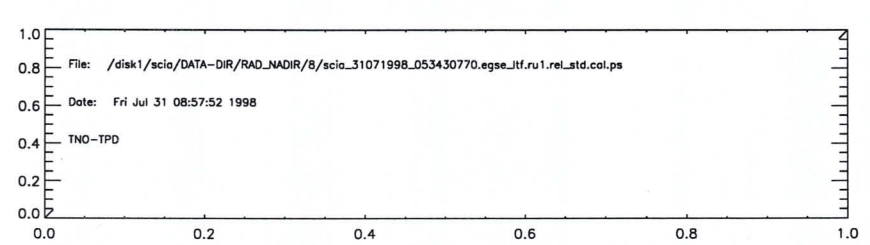
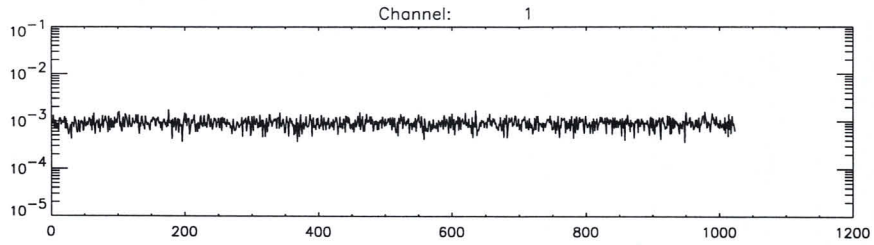

Channel: 6

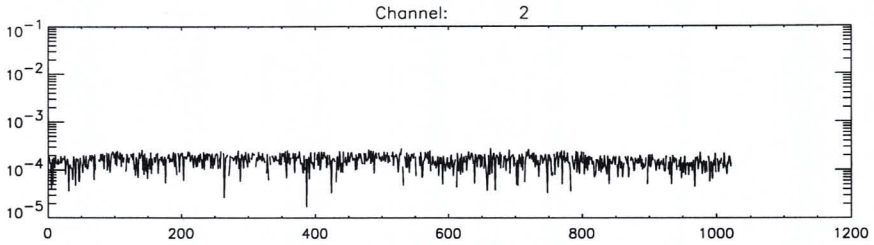

Channel: 7

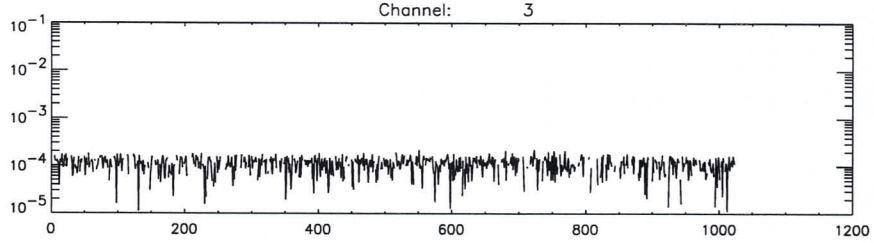

Channel: 8

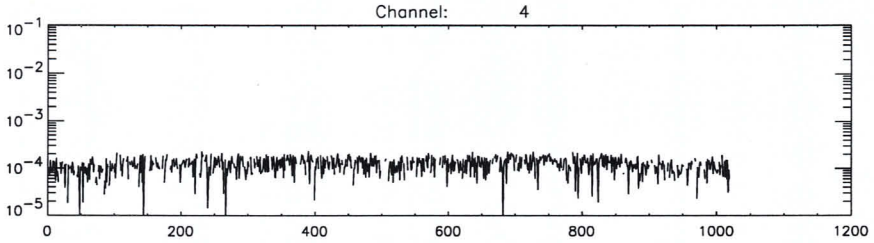

Channel: PMDs warning: no log yscale

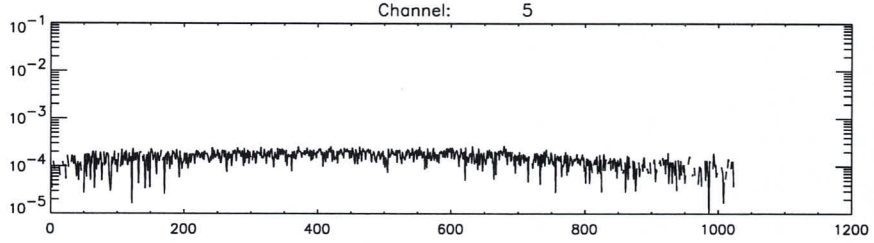

File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.ru1.rel_std.col.ps
Date: Fri Jul 31 08:57:52 1998
TNO-TPD

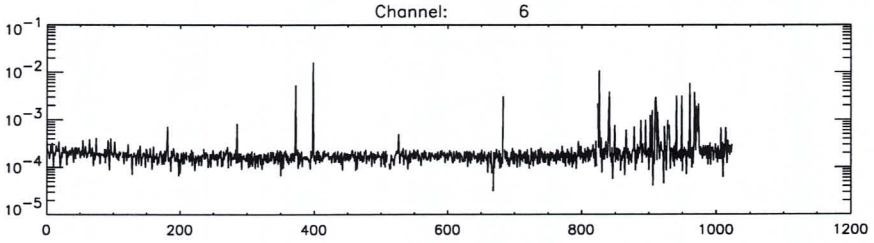

Channel: 1

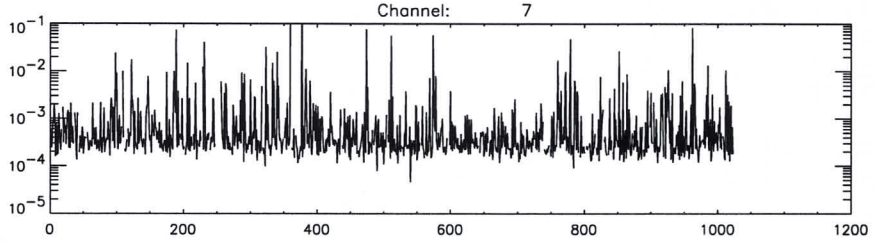

Channel: 2

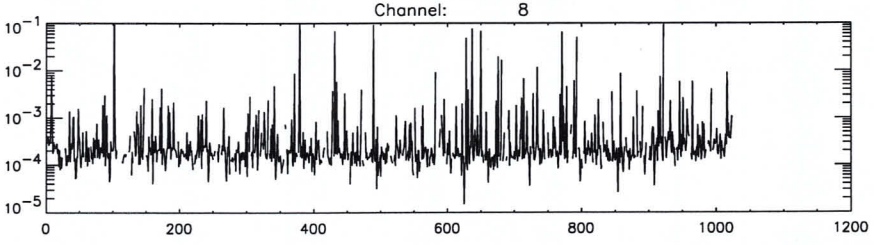

Channel: 3

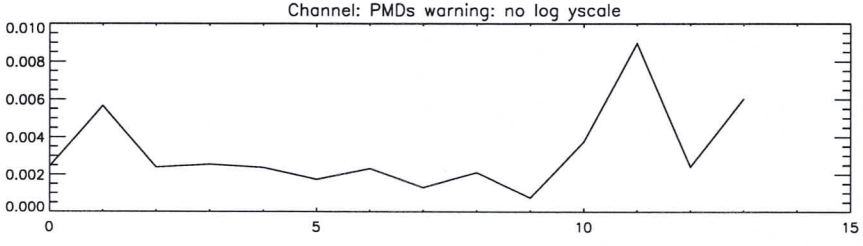

Channel: 4

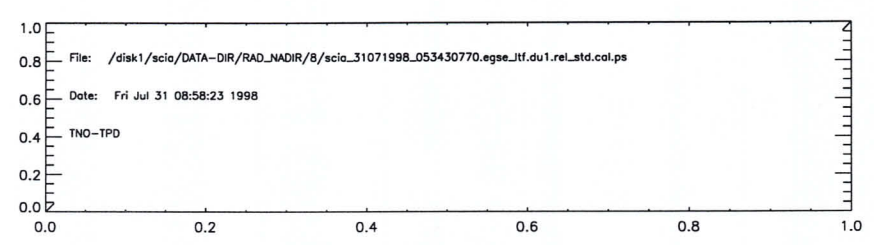

Channel: 5

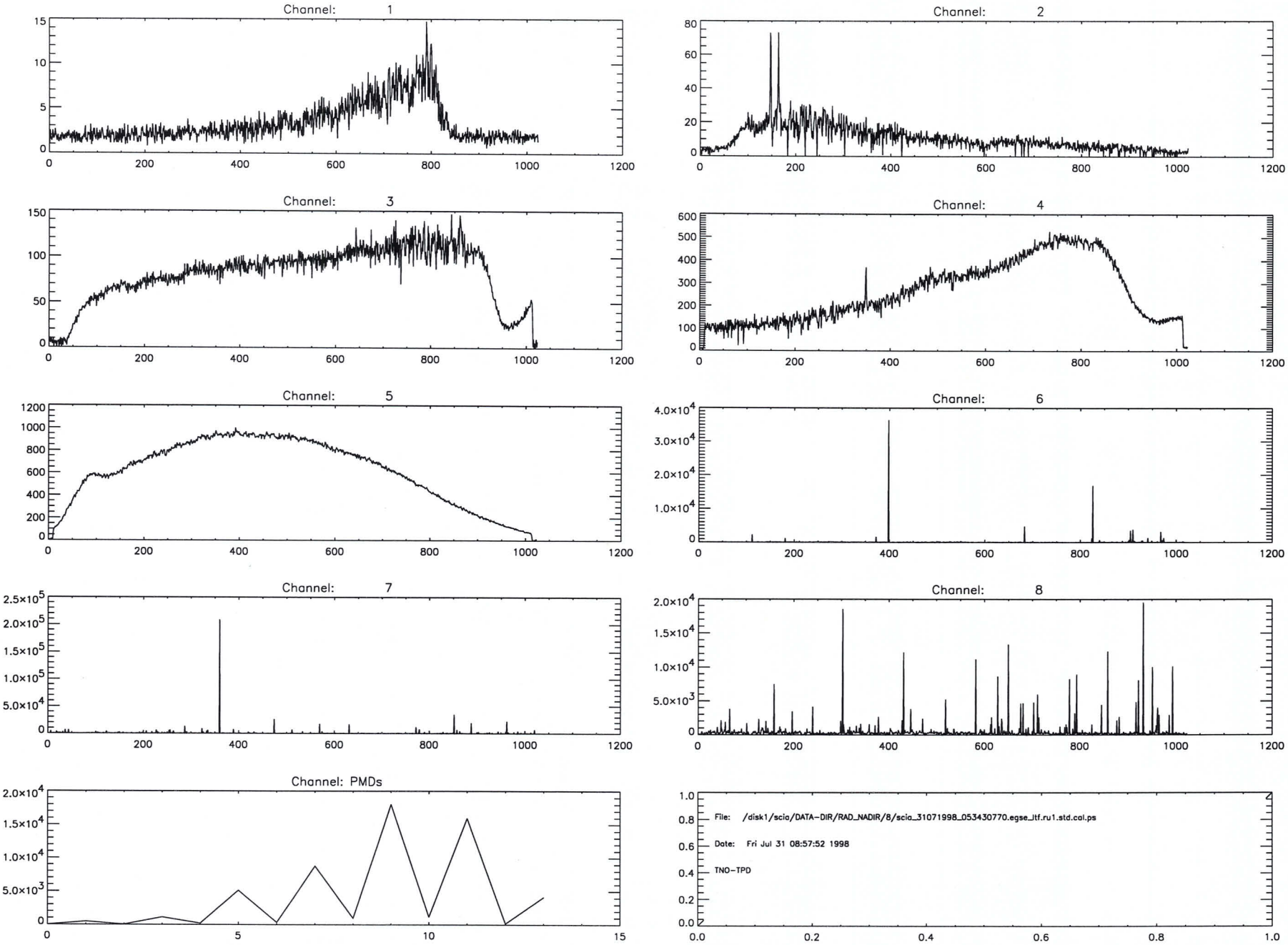

Channel: 6

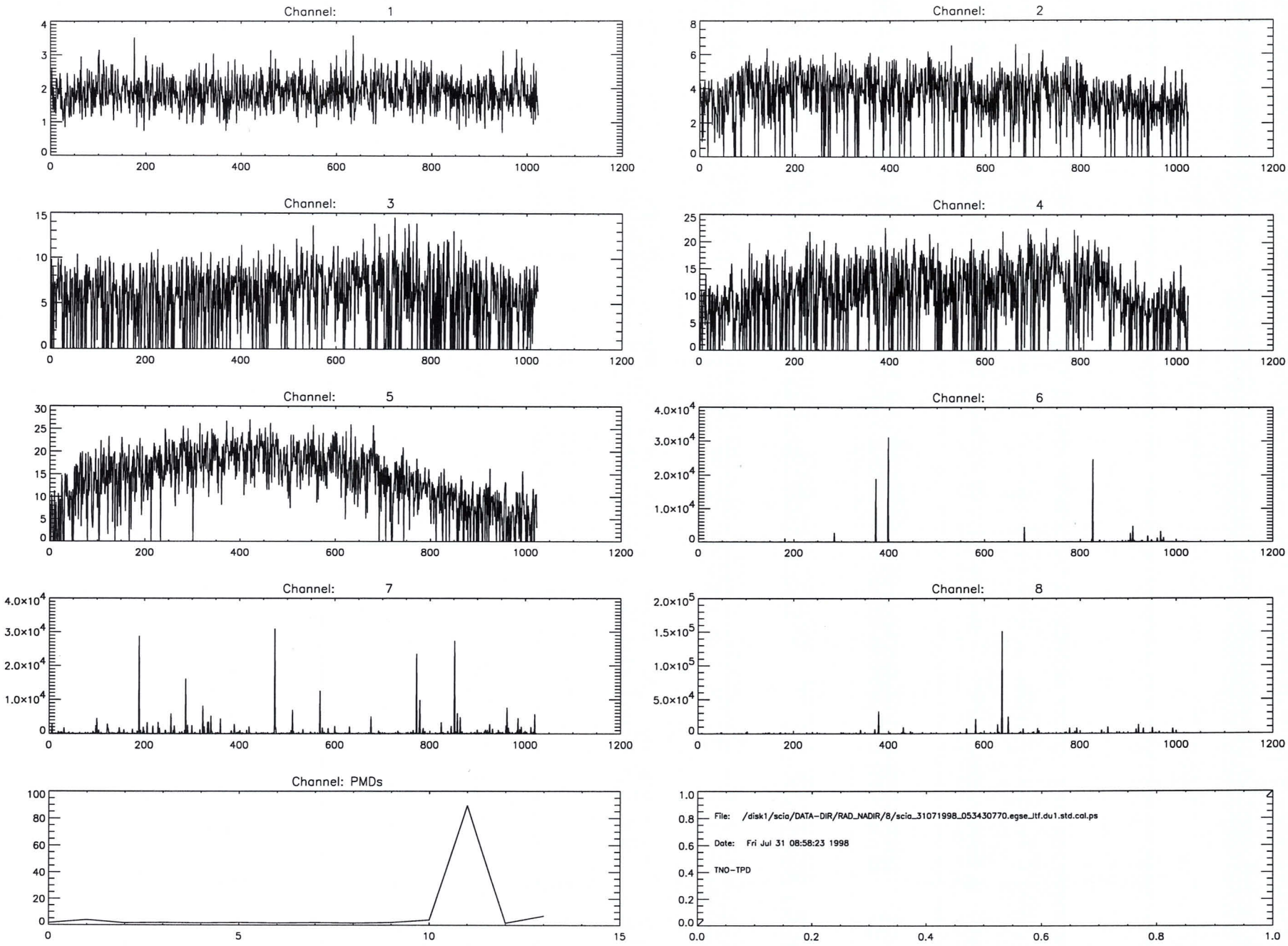

Channel: 7


Channel: 8


Channel: PMDs warning: no log yscale

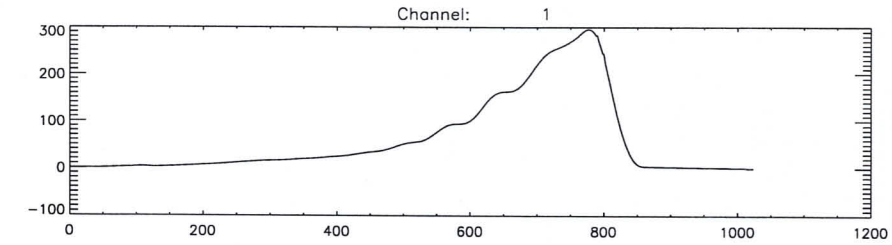

File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_itf.du1.rel_std.cal.ps
Date: Fri Jul 31 08:58:23 1998
TNO-TPD

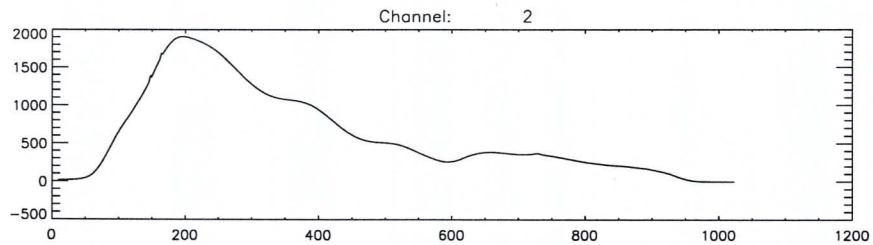

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.ru1.std.cal.ps
Date: Fri Jul 31 08:57:52 1998
TNO-TPD

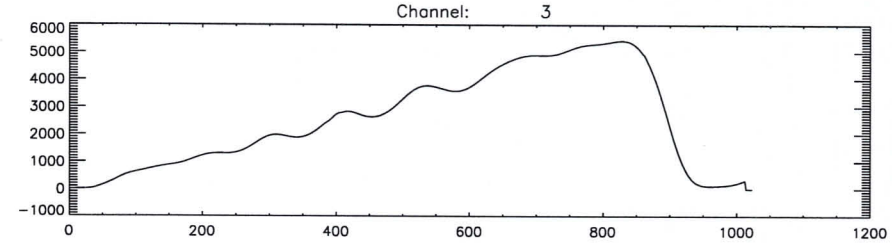

Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.std.cal.ps
Date: Fri Jul 31 08:58:23 1998
TNO-TPD

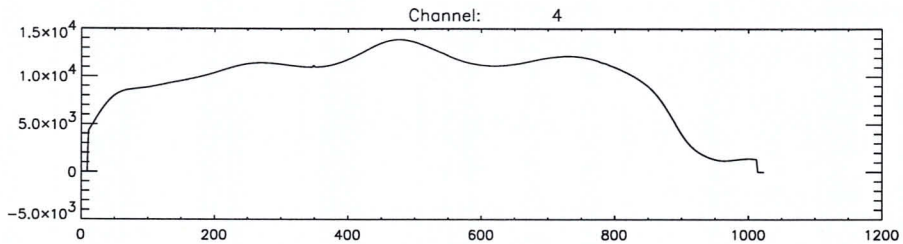
```
time       = Fri Jul 31 08:58:23 1998
batch      = du1
Start TOD = Fri 31-Jul-98 05:48:48
End   TOD = Fri 31-Jul-98 06:00:24
Processing= computation of average, standard dev. and rel.standard dev.
```

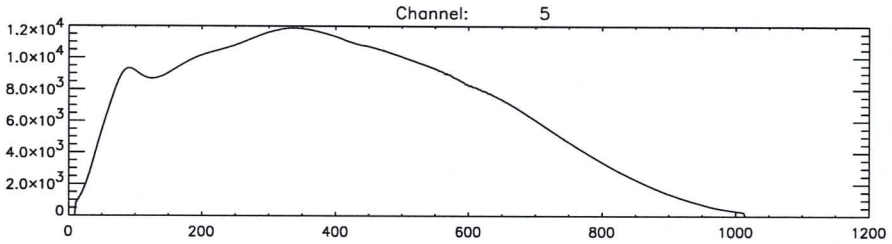
```
time       = Fri Jul 31 08:57:52 1998
batch      = ru1
Start TOD = Fri 31-Jul-98 05:34:57
End   TOD = Fri 31-Jul-98 05:48:48
Processing= computation of average, standard dev. and rel.standard dev.
```

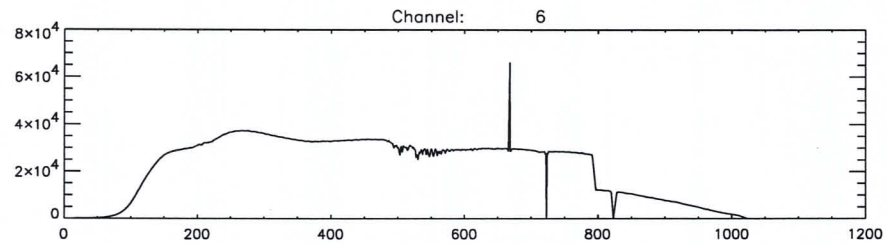

Channel: 1
300
200
100
0
−100
0
200
400
600
800
1000
1200

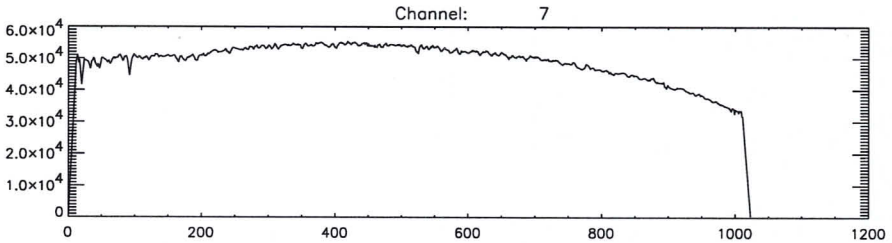

Channel: 2
2000
1500
1000
500
0
−500
0
200
400
600
800
1000
1200

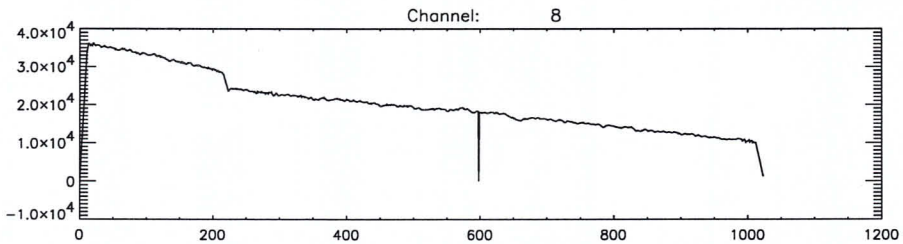

Channel: 3
6000
5000
4000
3000
2000
1000
0
−1000
0
200
400
600
800
1000
1200

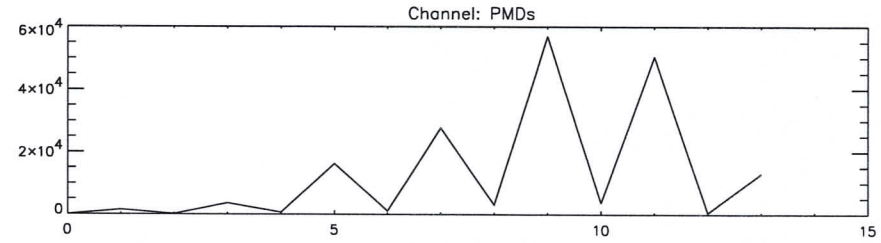

Channel: 4
1.5x10^4
1.0x10^4
5.0x10^3
0
−5.0x10^3
0
200
400
600
800
1000
1200

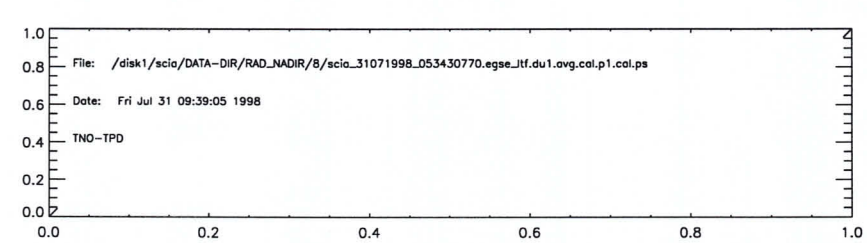

Channel: 5
1.2x10^4
1.0x10^4
8.0x10^3
6.0x10^3
4.0x10^3
2.0x10^3
0
0
200
400
600
800
1000
1200

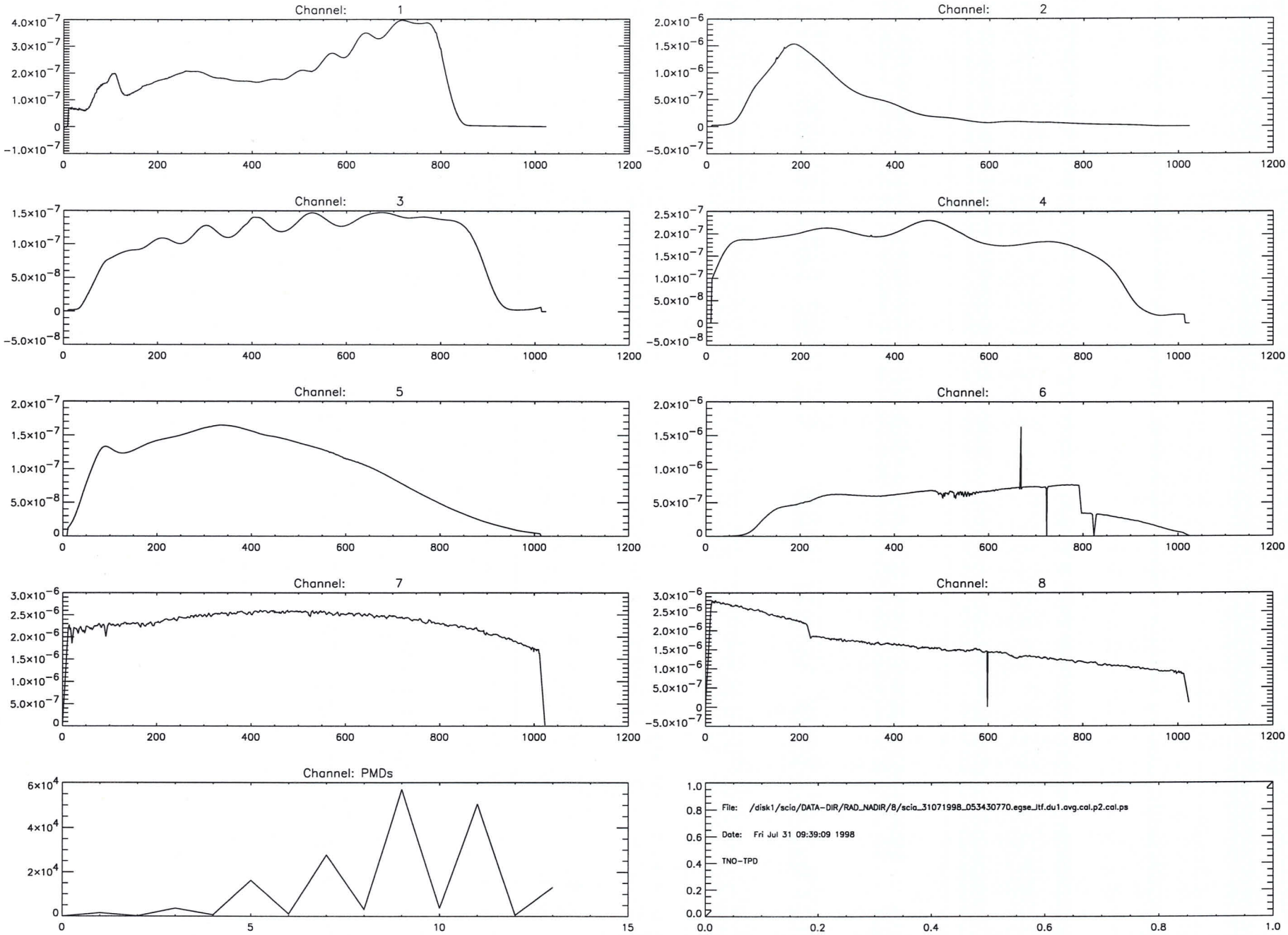

Channel: 6
8x10^4
6x10^4
4x10^4
2x10^4
0
0
200
400
600
800
1000
1200


Channel: 7
6.0x10^4
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
200
400
600
800
1000
1200


Channel: 8
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
−1.0x10^4
0
200
400
600
800
1000
1200


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


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps
Date: Fri Jul 31 09:39:05 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/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps
Date: Fri Jul 31 09:39:09 1998
TNO-TPD

```
Version:  0.1
Input files:

/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal
 and

/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.ru1.avg.cal
Action:
Radiance calibration: No correction bsdf, transmission and e_cal
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
Processing time: Fri Jul 31 09:39:05 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
   a4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

```
sion:  0.1
ut files:

/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal
and

/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.ru1.avg.cal
Action:
Radiance calibration + divided by calibrated irradiance + divded by bsdf + div
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
Processing time: Fri Jul 31 09:39:08 1998
Output file name:
/disk1/scia/DATA-DIR/RAD_NADIR/8/scia_31071998_053430770.egse_ltf.du1.avg.cal.
Ambient files:
Ambient Correction file versions ac_ucp = # VERSION 0.0
ac_ucs = #VERSION 0.0
ala4lp = #VERSION 0.0
ala4ls = #VERSION 0.0
   a4lx = #VERSION 0.0
alamlp = #VERSION 0.0
alamls = #VERSION 0.0
alaplp = #VERSION 0.0
alapls = #VERSION 0.0
alaplx = #VERSION 0.0
alaslp = #VERSION 0.0
alasls = #VERSION 0.0
alaslx = #VERSION 0.0
alaulp = #VERSION 0.0
alauls = #VERSION 0.0
anapnp = #VERSION 0.0
anapnx = #VERSION 0.0
anaunp = #VERSION 0.0 ASAP data
anauns = #VERSION 0.0 ASAP data
bsdf = #Date: 15/06/98 NOTE: This is preliminary data! The final keydata must
optec_window = #VERSION 0.0
reflectance = #VERSION 0.0
```

Nadir radiance UID 36

STEP	ACTION	RESULT	MARKER
Intro	Your name:	B2W	
	Date:	31-7 6.46 UTC	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	scia_31071998_05343077o.dat (A)	
	Setup a three-window configuration on your SUN.		see course descr.
Cnstr directory	`cd ~/DATA-DIR/RAD-NADIR ; ls -l`		Note: In window DATA-DIR
	highest number in directory?	7 (B)	
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	8 (C)	
	<C> should be <B> + 1	Y / N	
	directory name is:	`~/DATA-DIR/RAD-NADIR/<C>` C=8	(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)	oke.	Note: In window DATA-DIR; ***don't forget the dot !!!;*** *May take more than 15 mins.* idl vsolun.
	`ls -l *.egse_ltf` What's the name of the egse_ltf file	scia_31071998_05343077o.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`	oke	In DATA-DIR window
	size:	145,9	should be approx 150Kb

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

size: Ohe. should be approx 150Kb

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

Ohe.

Ohe.

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 light file `*ru*.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~~

not file manager.

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~~

Radiance processing

Run radiance `idl do_radiance` In IDL window

Check radiance `ls -l * | more` In DATA-DIR window

Size of file `<D>.du*.avg.cal.p1.cal` Ohe should be approx 150Kb

	Size of file `<D>.du*.avg.cal.p2.cal`	Oke.
Check radiance visually	`lpr -P<printer> *.p[12].*.cal.ps` Value of P1 and P2 file resemble white light source?	Y / N
	Add postscript images to logbook, done	Y / N
Print logfiles	`lpr -P<printer> *.p[12].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	3107980	

Sign:	Name	M. Kalt
	Date and time	31-7
	Signature	MKalt.

Formal Run of Measurement (Measurement ID) SLS-INT

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	~~[illegible]~~	deg +9.765

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	41	42								
Repetitions	1	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	2	2						
1b	2	2						
2b	1	4						
2a	1	4						
3	0.125	32						
4	0.0314	64						
5	0.25	16						
6	0.25	16						
7	1	4						
8	1	4						
State ID								

Step 2-6

team 5.

Uid 24.

Stimuli Settings for Existing Blocks in Measurement

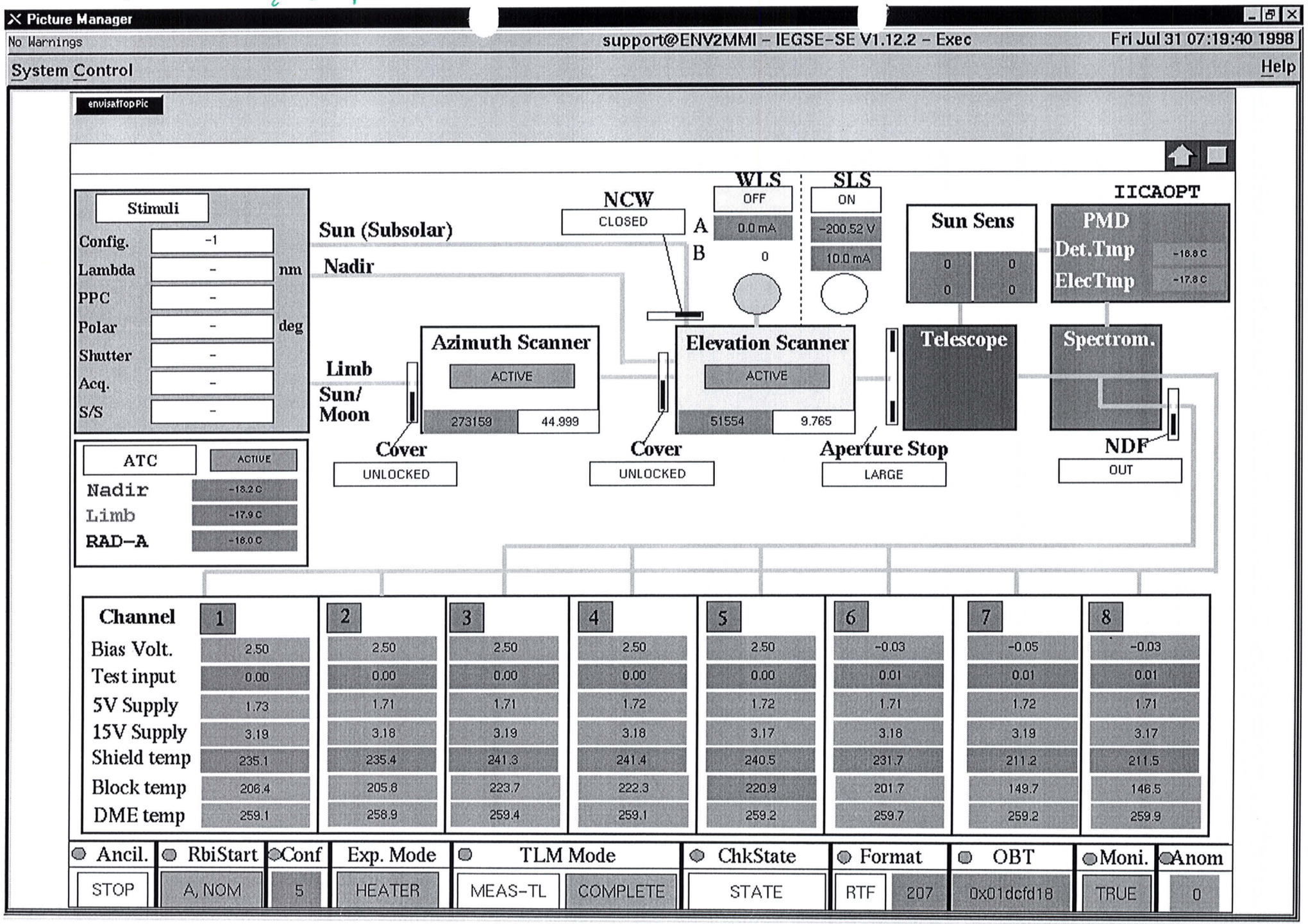
Block No	Stimuli Setup ID	PPC [deg]	Polarizer [deg]	Shutter open/close	Acquisition time [s]	Lambda [nm] Start	Stop	Step	Repetition Factor	Message	OS Setup Time [s]

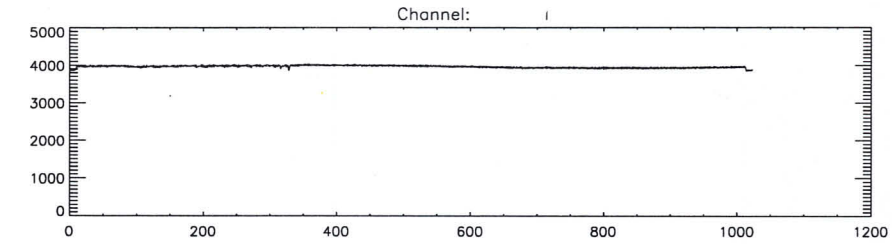
Measurement Data Description

Test Purpose	[illegible]
Remark	VID 24
Data Directory	02_07_12_45_SLS_INT

Signatures

	Date	Signature
Issued	3/12	
< Performed	3/12	


Picture Manager
No Warnings
support@ENV2MMI – IEGSE-SE V1.12.2 – Exec
Fri Jul 31 07:19:40 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
A
B
WLS
OFF
0.0 mA
0
SLS
ON
-200.52 V
10.0 mA
Sun Sens
0 0
0 0
IICAOPT
PMD
Det.Tmp -16.8 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
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -16.0 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 235.1 235.4 241.3 241.4 240.5 231.7 211.2 211.5
Block temp 206.4 205.8 223.7 222.3 220.9 201.7 149.7 146.5
DME temp 259.1 258.9 259.4 259.1 259.2 259.7 259.2 259.9
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 207
OBT 0x01dcfd18
Moni. TRUE
Anom 0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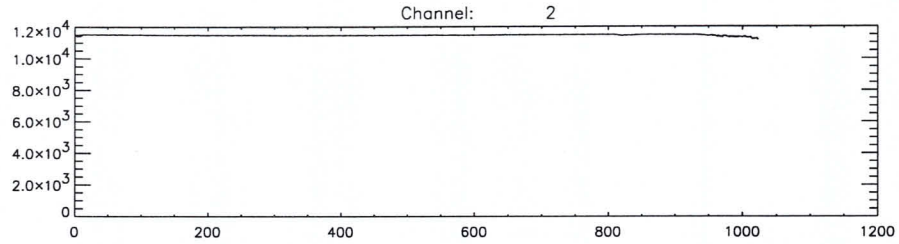
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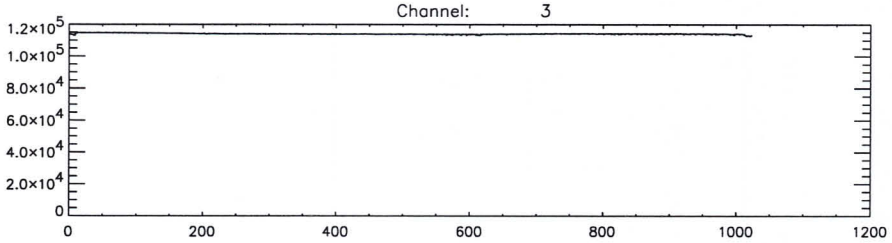
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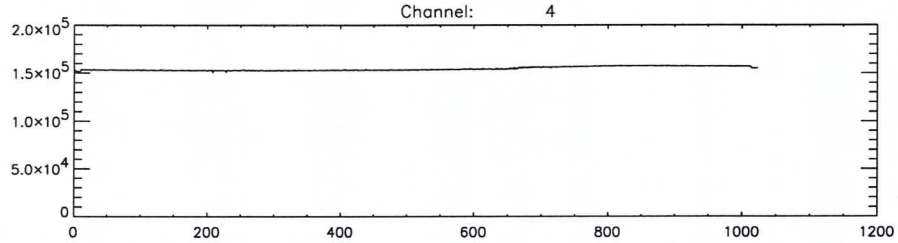
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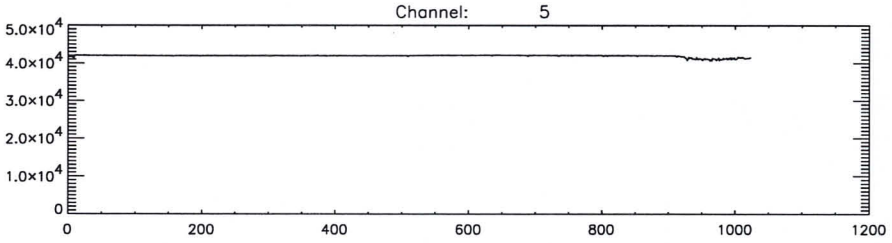
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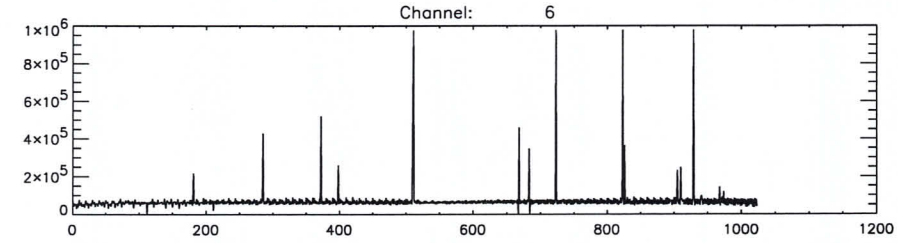
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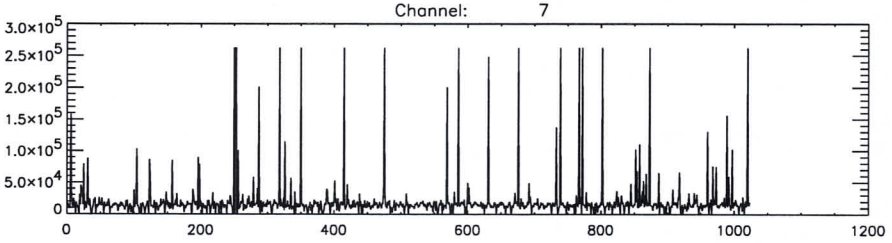
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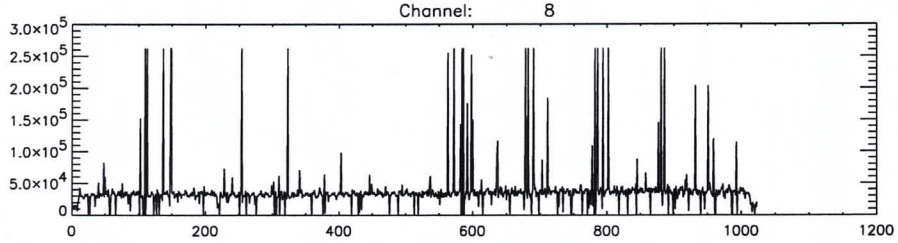
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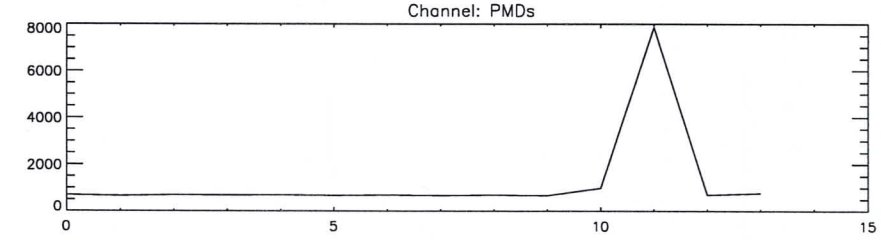
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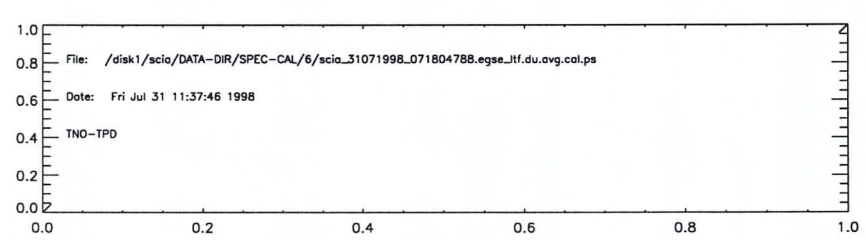
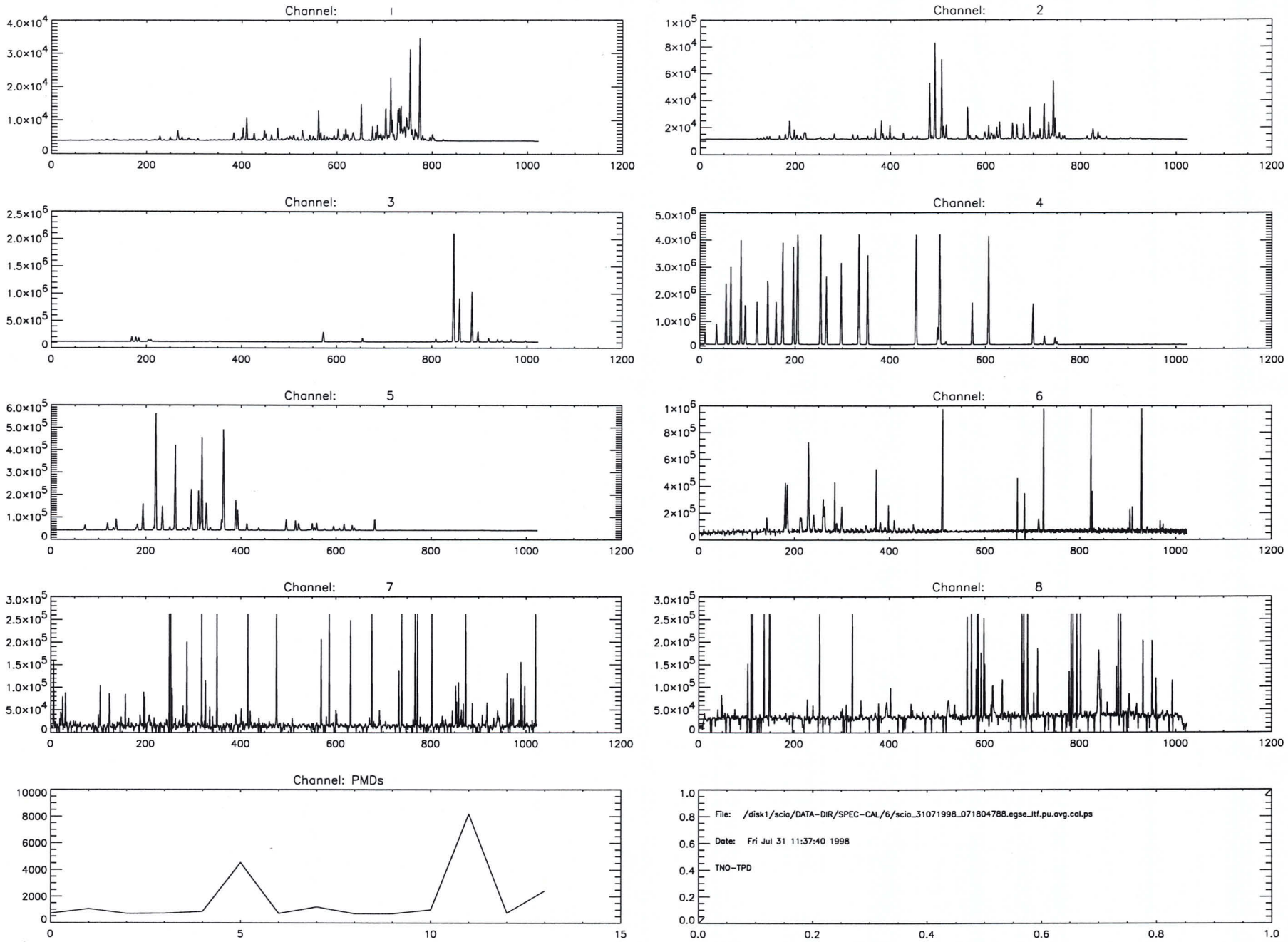

File: /disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.egse_itf.du.avg.cal.ps
Date: Fri Jul 31 11:37:46 1998
TNO-TPD

Unit 24


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs
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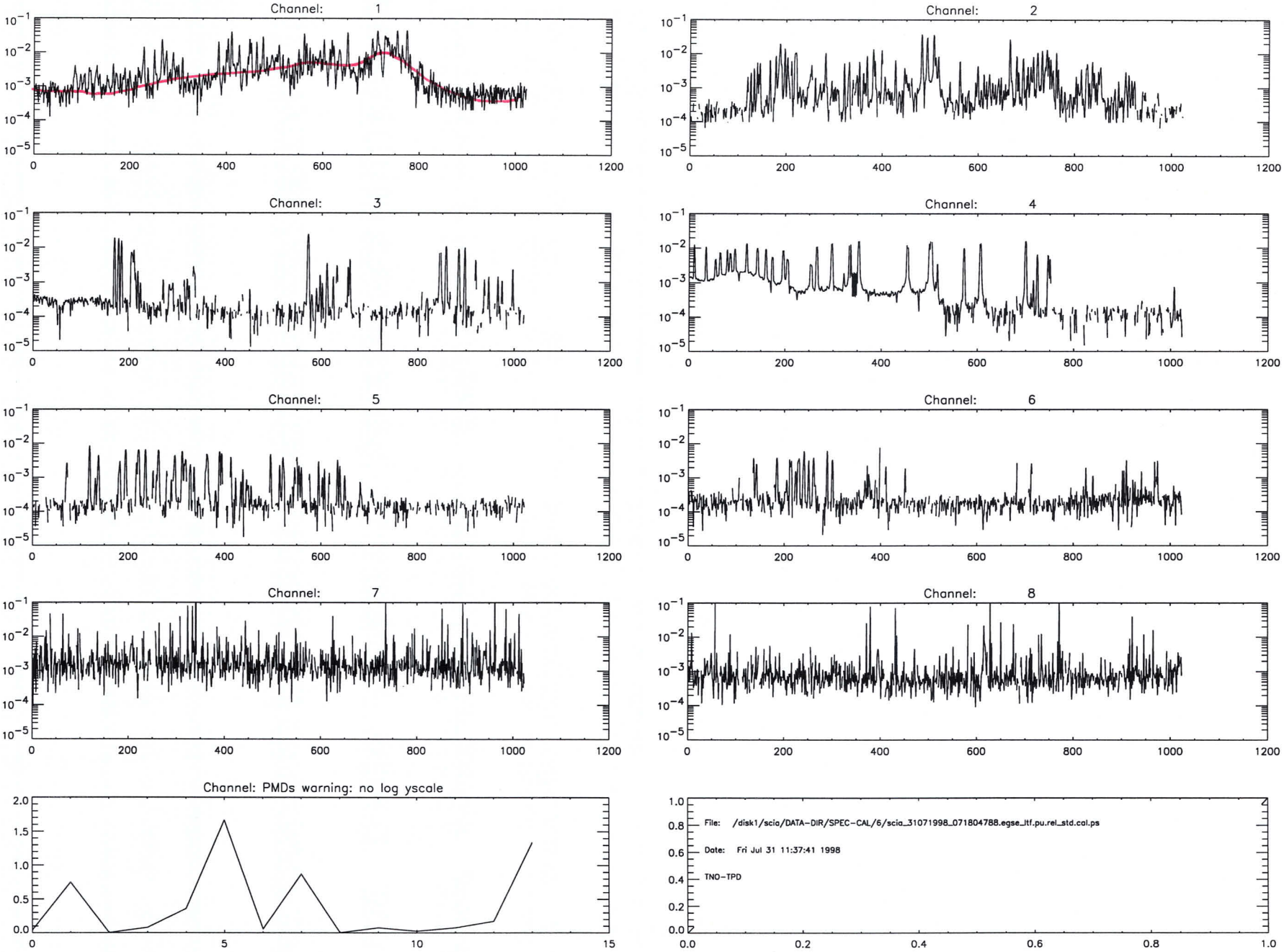
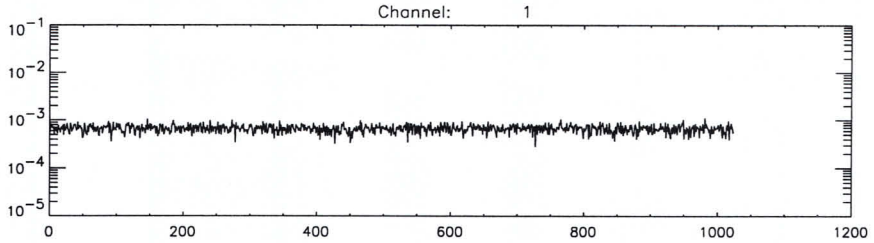
Date: Fri Jul 31 11:37:40 1998
TNO-TPD

Vid 24 4


Channel: 1
Channel: 2
Channel: 3
Channel: 4
Channel: 5
Channel: 6
Channel: 7
Channel: 8
Channel: PMDs warning: no log yscale
File: /disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.egse_itf.pu.rel_std.cal.ps
Date: Fri Jul 31 11:37:41 1998
TNO-TPD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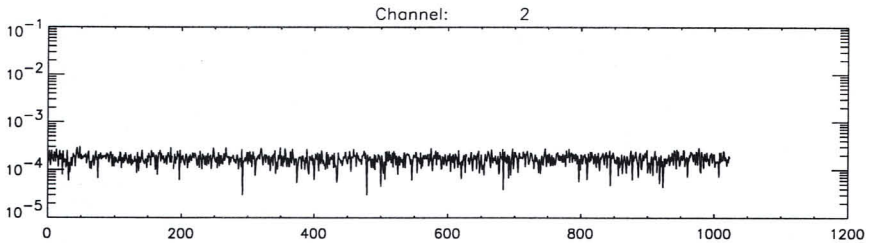
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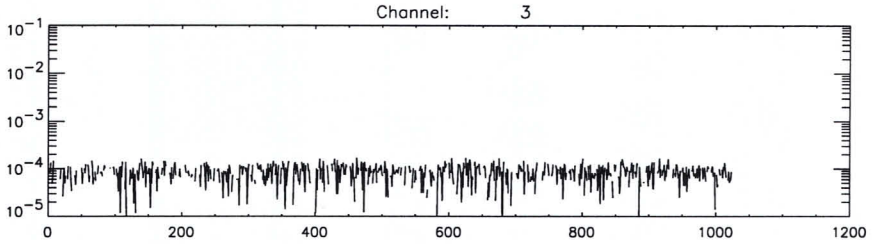
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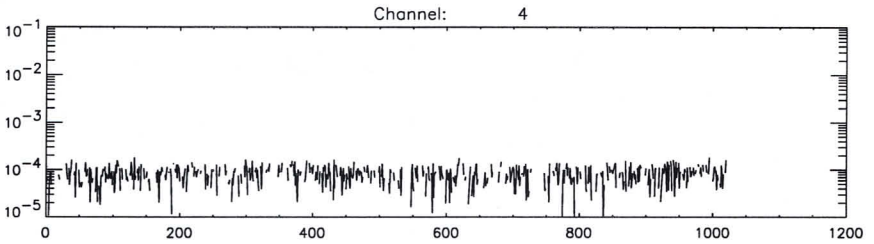
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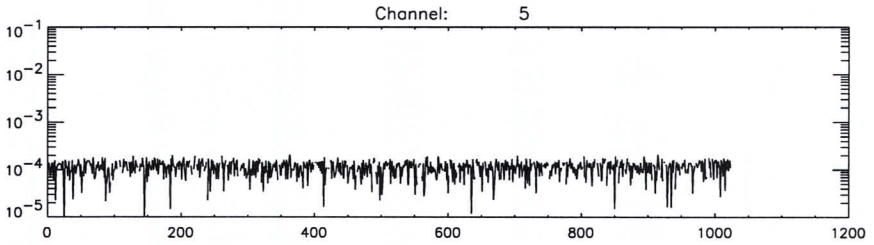
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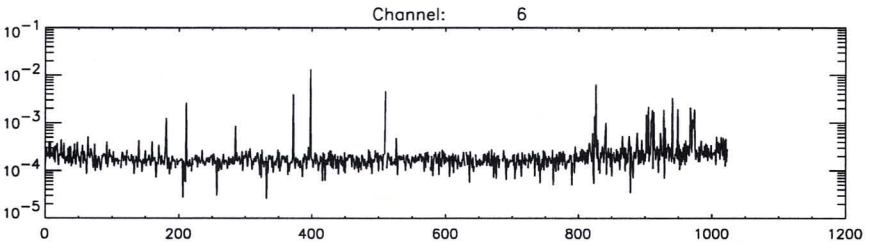
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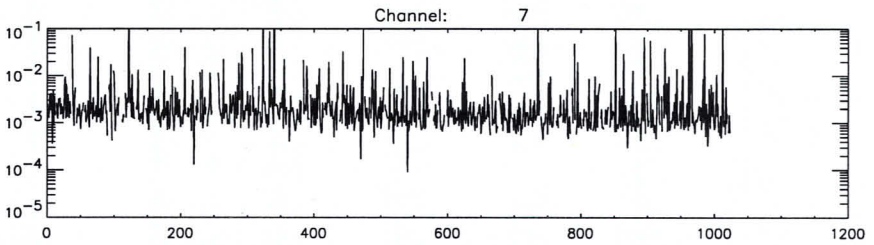
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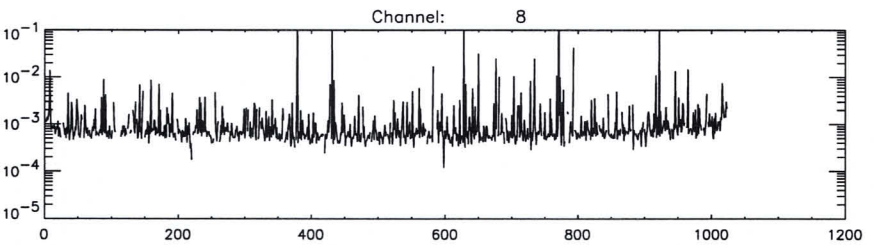
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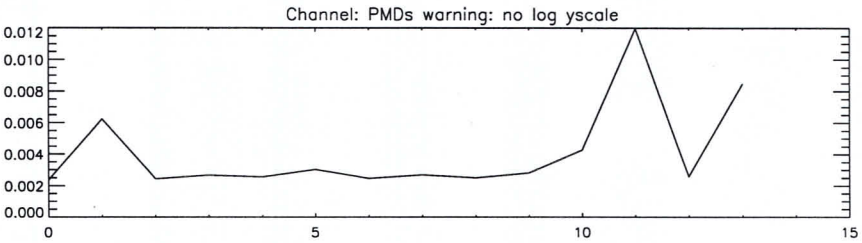
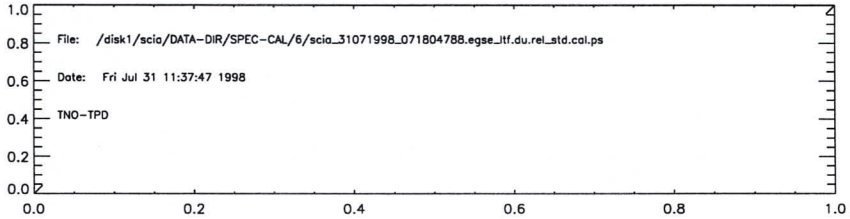

Channel: PMDs warning: no log yscale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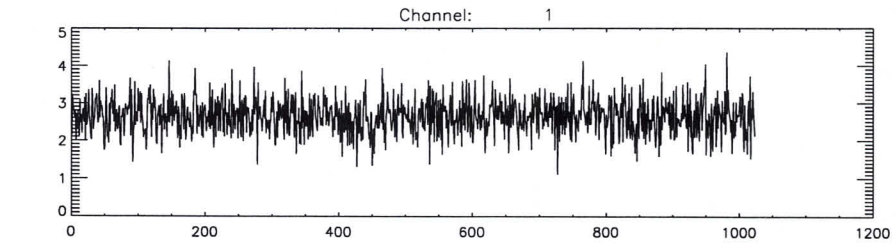
Date: Fri Jul 31 11:37:47 1998
TNO-TPD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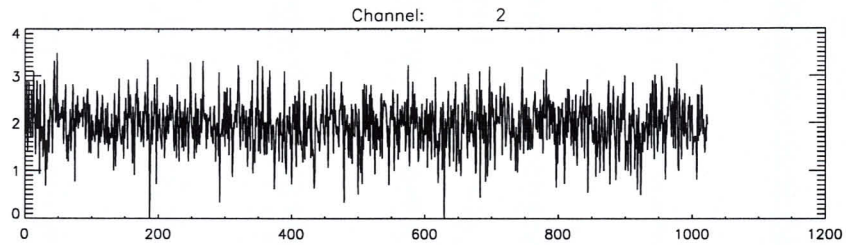
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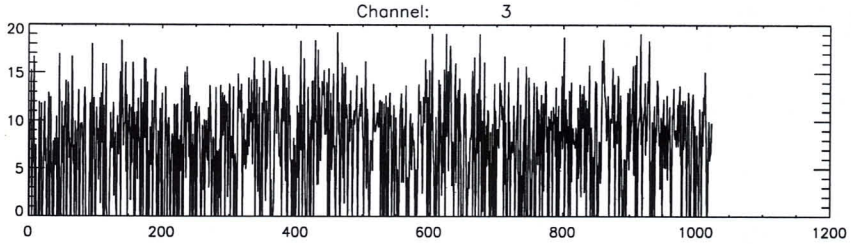
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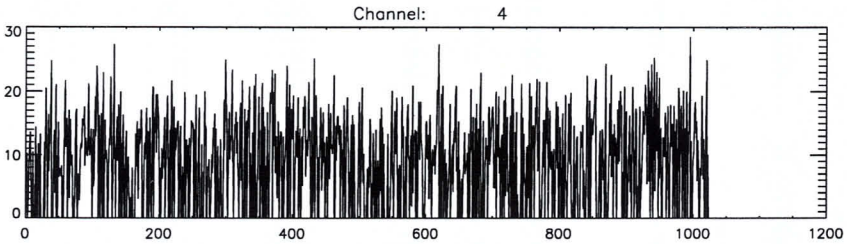
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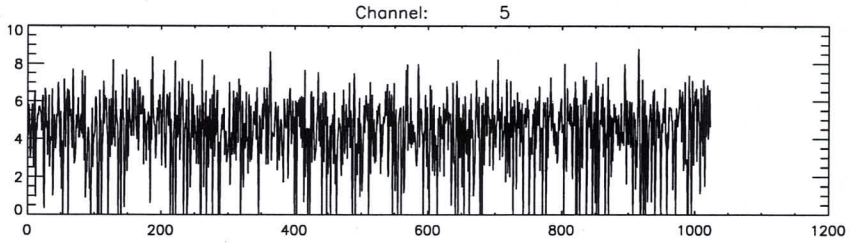
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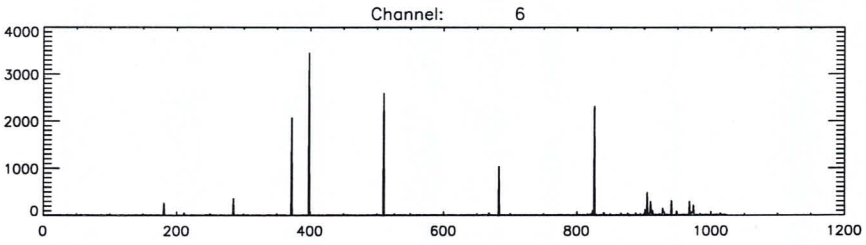
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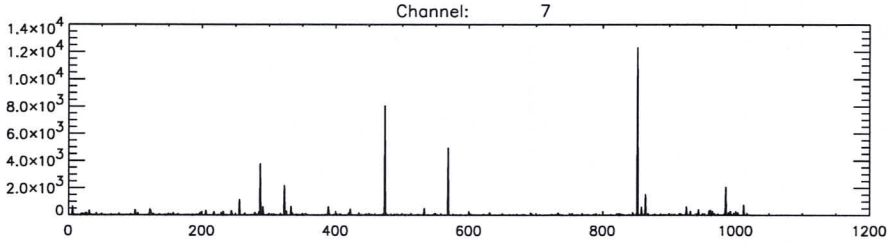
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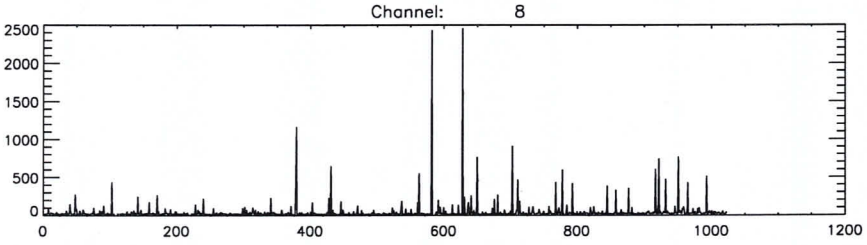
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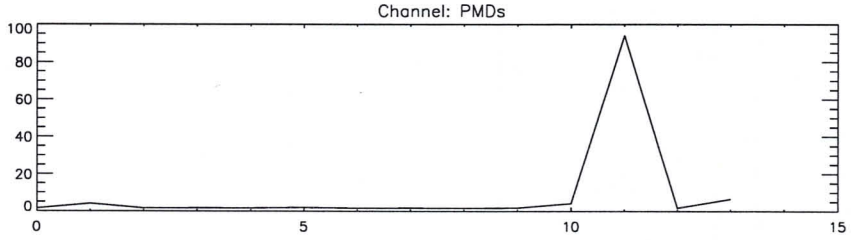
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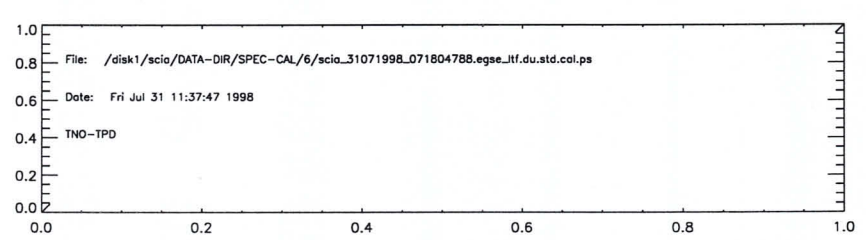
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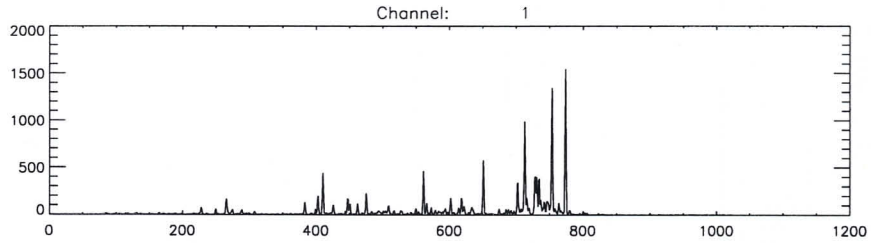
Date: Fri Jul 31 11:37:47 1998
TNO-TPD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200
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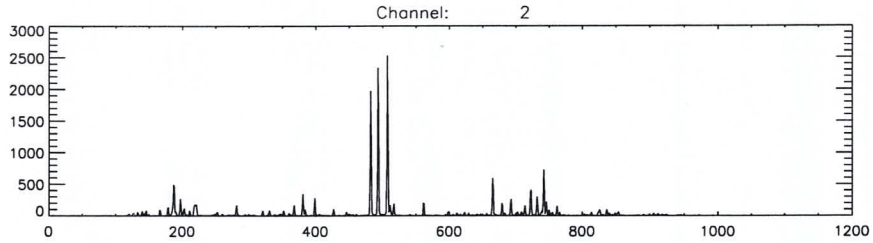
600
800
1000
1200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2000
1500
1000
500
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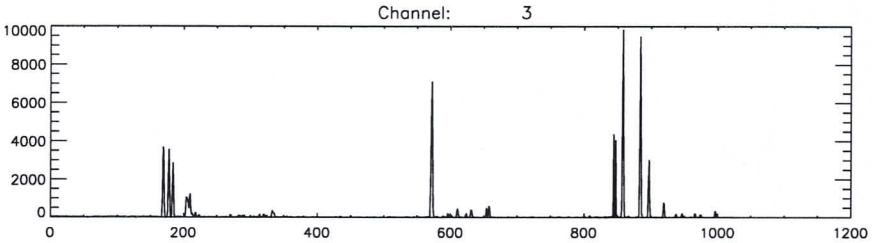
200
400
600
800
1000
1200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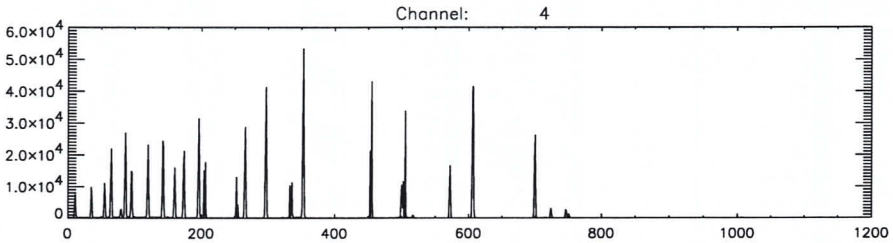
600
800
1000
1200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4.0x10^4
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2.0x10^4
1.0x10^4
0
0
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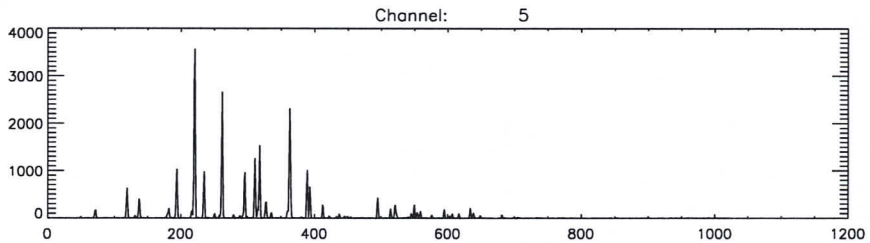
400
600
800
1000
1200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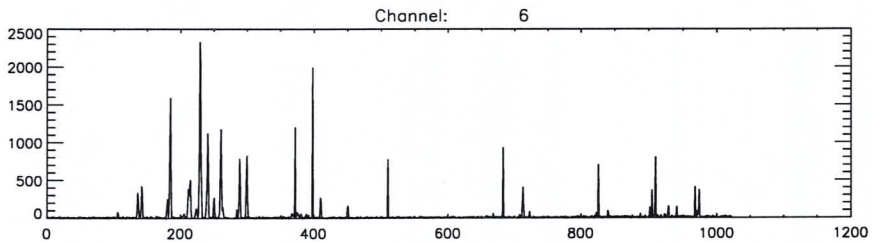
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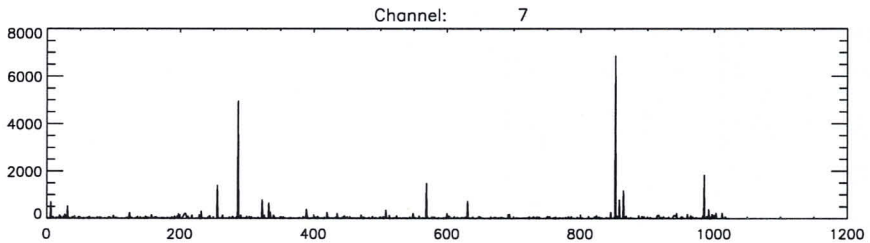
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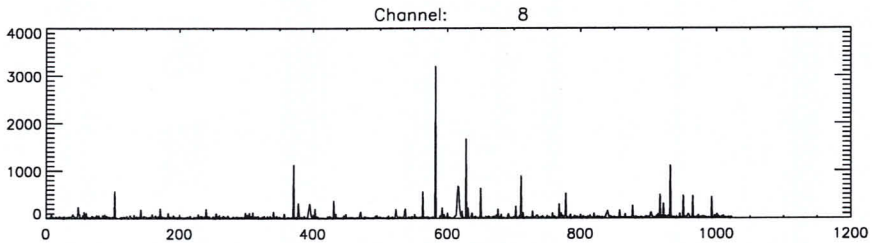
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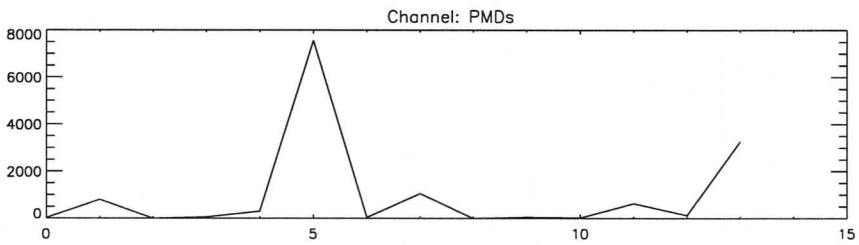
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2000
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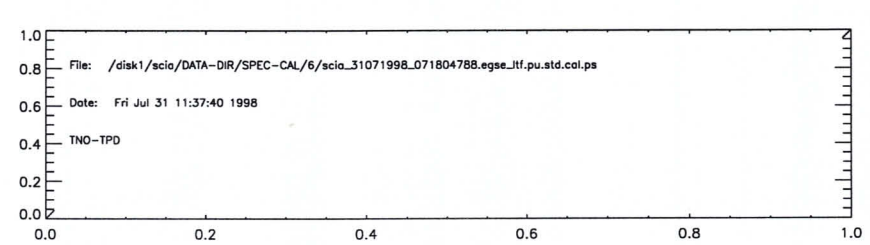
0
5
10
15


1.0
0.8
0.6
0.4
0.2
0.0
File: /disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.egse_itf.pu.std.cal.ps
Date: Fri Jul 31 11:37:40 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

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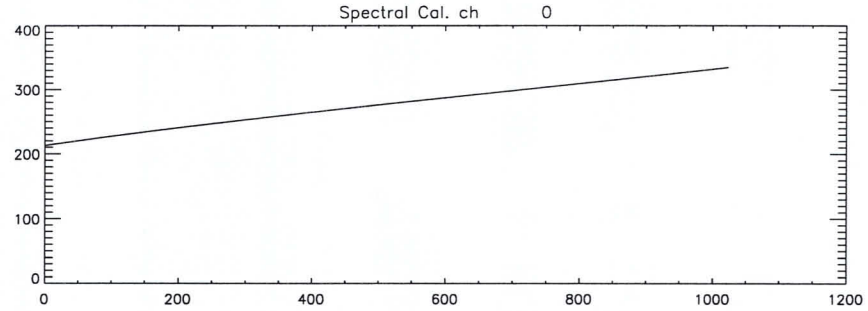
time       = Fri Jul 31 11:37:47 1998
batch      = du
Start TOD = Fri 31-Jul-98 07:18:30
End   TOD = Fri 31-Jul-98 07:19:30
Processing= computation of average, standard dev. and rel.standard dev.
```

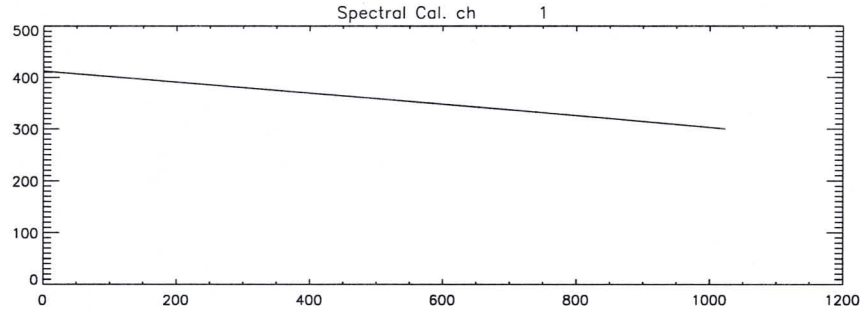
Uid 24 10

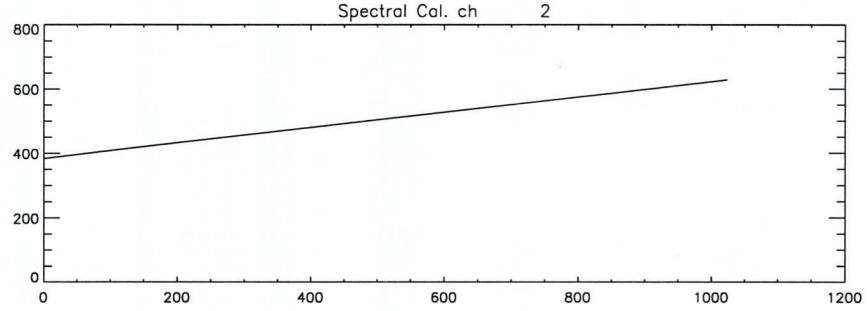
```
time       = Fri Jul 31 11:37:41 1998
batch      = pu
Start TOD = Fri 31-Jul-98 07:18:04
End   TOD = Fri 31-Jul-98 07:18:30
Processing= computation of average, standard dev. and rel.standard dev.
```

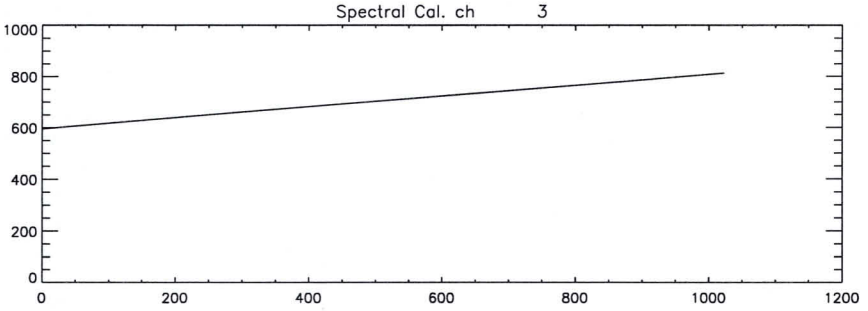
11

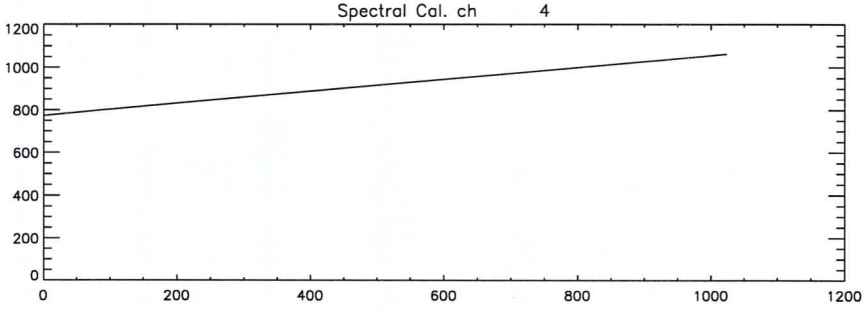
Mid 24

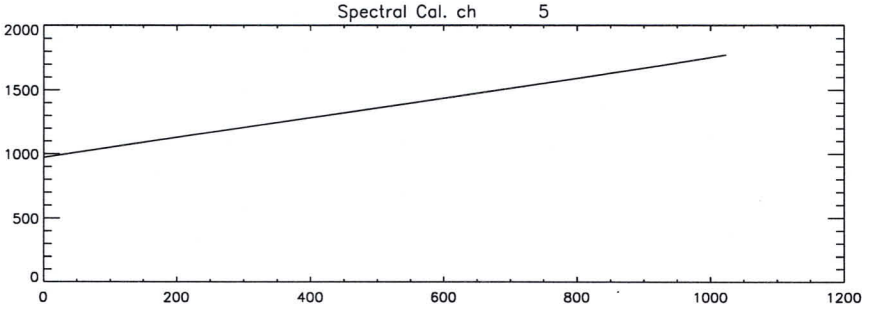

Spectral Cal. ch 0
0
100
200
300
400
0
200
400
600
800
1000
1200

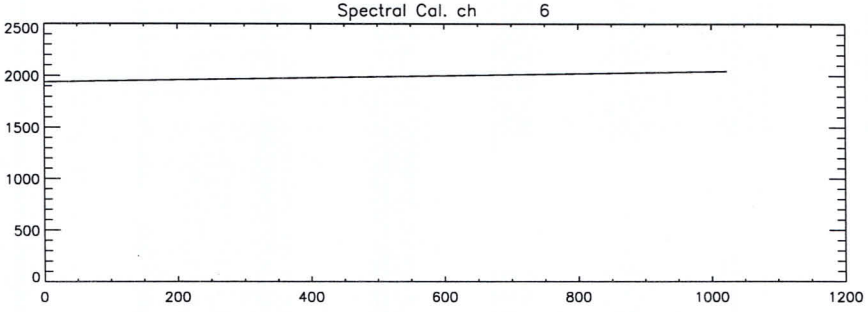

Spectral Cal. ch 1
0
100
200
300
400
500
0
200
400
600
800
1000
1200

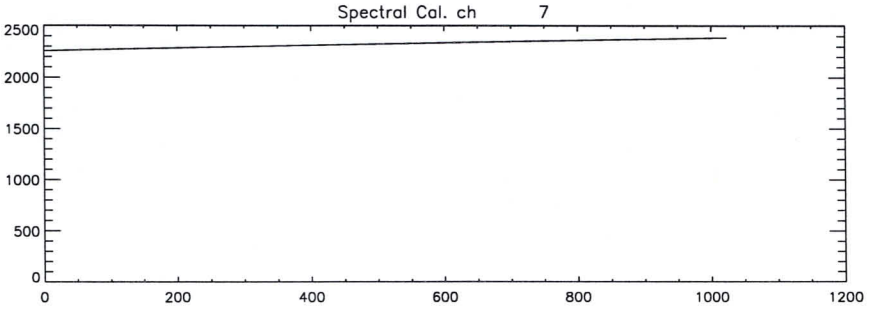

Spectral Cal. ch 2
0
200
400
600
800
0
200
400
600
800
1000
1200


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

Uid 24 12

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.egse_ltf.du.avg.cal
and

/disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.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/6/scia_31071998_071804788.e
Processing time: Fri Jul 31 13:53:53 1998
Output file name:
/disk1/scia/DATA-DIR/SPEC-CAL/6/scia_31071998_071804788.egse_ltf.du.avg.cal.wl

Uid 24
31-7-1999
Stap 2-6.

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	M Kalf 31-7 9:00 UTC	
	What's the name of the (main) data input files generated by the EGSE? (*.dat)	scia_31071999_07180478 8.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	5 6 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	Scia_31071999_07180478 _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)	8	Note: In window IDL
Check CAL files	Dark files: ls -l *du*.avg.cal		In DATA-DIR window
	size:	145 kb	should be approx 150kb 8
	SLS light file:		

Note in case of 'più label' you will not see 'du labels (you will see them after run_averscia)

Grid 2y
Stap 2-6

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

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

size: 145 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: _____

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

Midday Stap 2-6

Check spec	`ls -l *wl.data`		In DATA DIR window should be approx a few kilobytes
	Size of file `wl.data`	927b	
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 ~~Extrapolate~~	
	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	3107gdE	See analysis sheet BackUp
Sign:	Name	M. Kalf	
	Date and time	31-07-gd	
	Signature	MKalf	

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
31-7 12:46	Running Solan to check WLS/2 scia_ egse_llf file	31071998-075721q75.egse_llf
	* Record 39 seems switch from QU to DU Remark is still QU	
	* Temperature deviation ≤ 0.2 deg with respect to earlier measurement	
	* Avarage QU and DU seems OKE	
Question to Andre	Overwrite PPG/Etalon files in CORR only with WLS-int and not with Radiance ?	
	* Etalon seems OKE in all channels except pix 0-150 of channel 6 i.e. at the first slope Maybe outgassing ?	
Question to Andre	Ratio ⇒ I want only to compare ? I don't want to write to SOC (ADS)	
	* Compare (Ratio) OKE except pix 0-150 of ch 6	

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	+ 10.573	deg

Timeline for each Data Acquisition Period during Measurement

	1	2	3	4	5	6	7	8	9	10
State ID	44	45								
Repetitions	1	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	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	0.00125	64						
7	0.0625H	64						
8	0.00125H	64						
State ID								

Uid 25
team 5
31/7/gd.

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 25
Data Directory	0212_07.59.35_WLS_INT

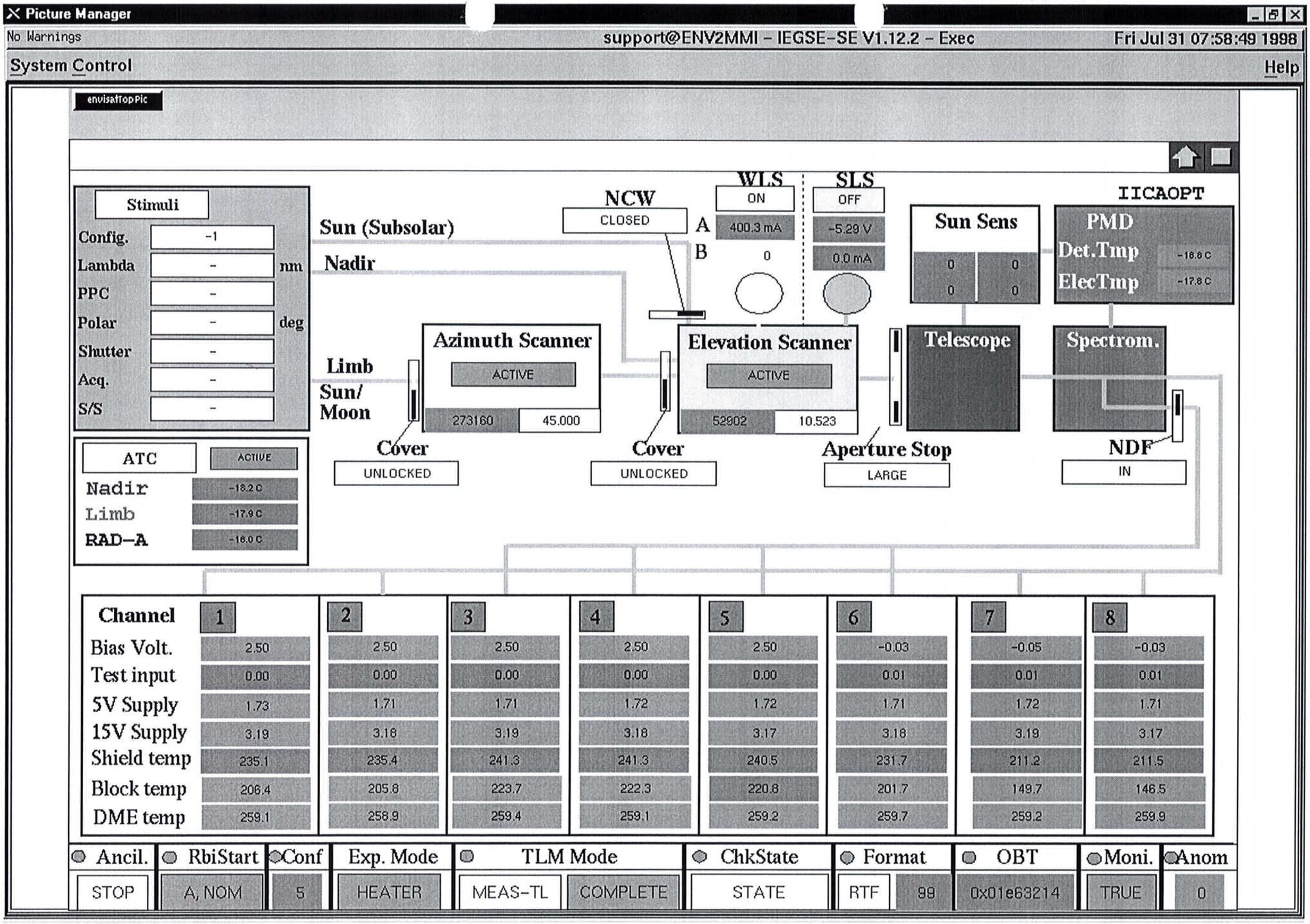
Signatures

	Date	Signature
Issued	31/7	
< Performed	31/7	

WLS - INT 3/7 UID25

TEAm 5

9:30 UT



UID 25

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Wendell Lynch	
	Date:	31-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	sci1-31071998-07572175.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? New directory: `mkdir <B+1>` `ls -l`	1	(B)
	What's now the highest number in directory? <C> should be <B> + 1 directory name is:	2 (Y) / N `~/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 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.	31 07 98	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) `<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:	_____	should be approx 150Kb
	White light file: `ls -l *wu*.avg.cal` size:	_____	should be approx 150Kb
	Note: all files should be present, if not: (a) Check file <D> using SOLAN and check whether DU, WS and WP labels are present in dremark1 labels (b) Check if enough disk space is available (Unix command `df -k | more`).		
Print postscript	Print postscript files: `lpr -P<printer> *.ps` Contents dark file `*du*.avg.cal.ps` should be approx. constant within channels: (Y) / N 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		

	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`	145.998	
	Size of file `*.du*.cal.ppg.cal.log`	360	
	Size of file `*.du*.cal.ppg.cal.ps`	145037	
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	

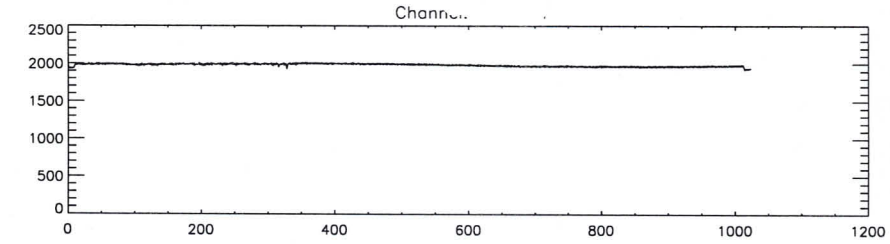
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory).		See analysis sheet BackUp
	Name of backup CDs	310798F	

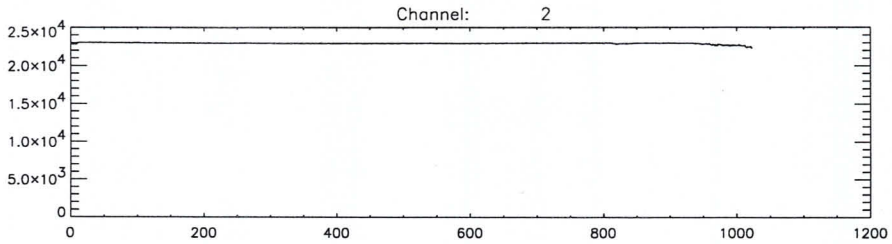
Sign:	Name	M. Stoppelenburg
	Date and time	310798 15:02 (UTC)

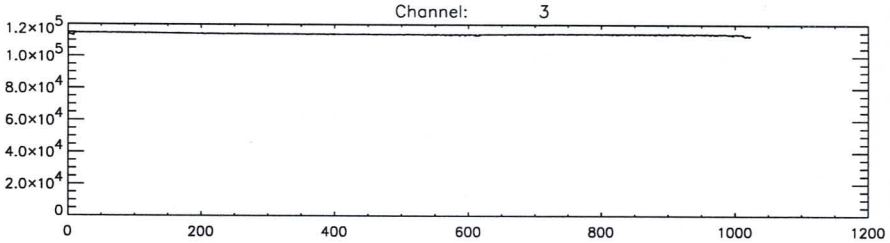
Signature _____

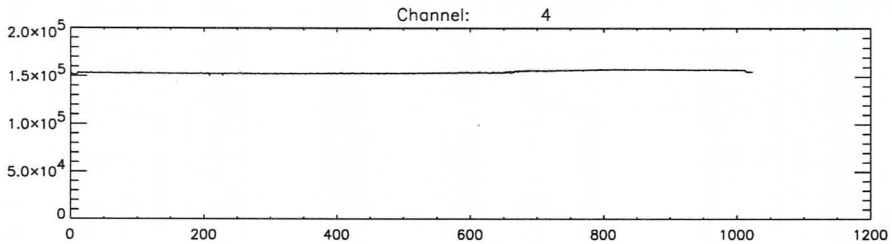
Construct CORR directory

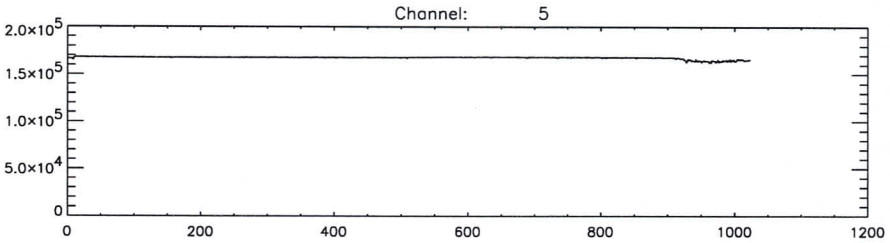
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 31-07-1998	
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr correction directory	`cd ~/DATA-DIR/CORR ; ls` If there isn't a subdirectory corresponding to the current date, then `mk_corr_dir <date>`, where `<date>` is formated as follows DDMMYY (where DD, MM and YY correspond to the current date, DD = day, MM = month, YY = year 98). What is the name of the new directory?	310798	Note: In window DATA-DIR (A)
Check	`ls -l <A>`		
	`etalon.cal` present?	(Y) / N	
	`dead_bad.pix` present?	(Y) / N	
	`stray.data` present?	(Y) / N	
	`wl.data` present?	(Y) / N	
	`ppg.cal` present?	(Y) / N	
Sign:	Name Date and time Signature	Wendell Lynch 310798 13.10	

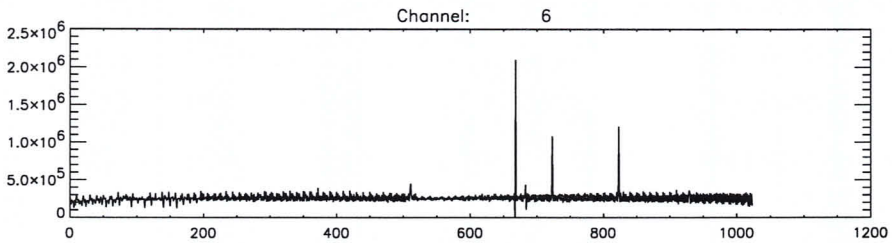

2500
2000
1500
1000
500
0
0
200
400
600
800
1000
1200

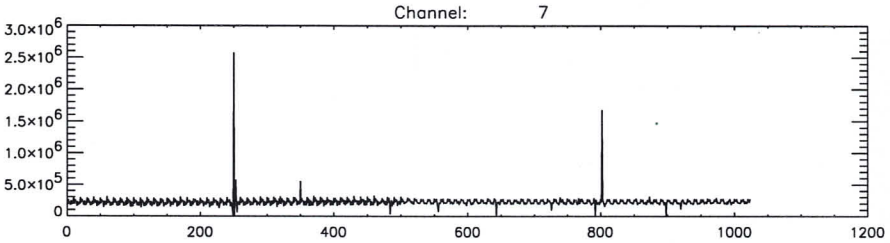

Channel: 2
2.5×10^4
2.0×10^4
1.5×10^4
1.0×10^4
5.0×10^3
0
0
200
400
600
800
1000
1200

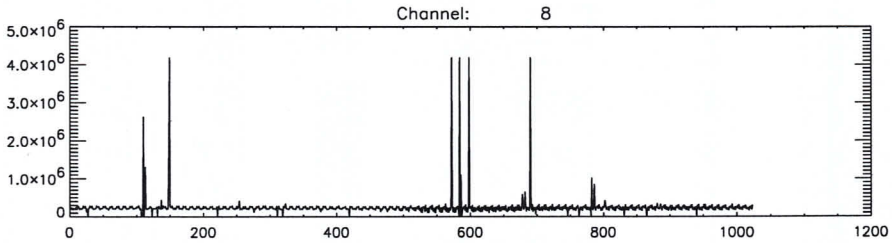

Channel: 3
1.2×10^5
1.0×10^5
8.0×10^4
6.0×10^4
4.0×10^4
2.0×10^4
0
0
200
400
600
800
1000
1200

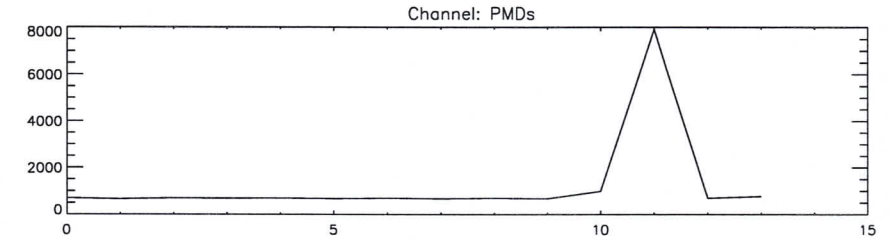

Channel: 4
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

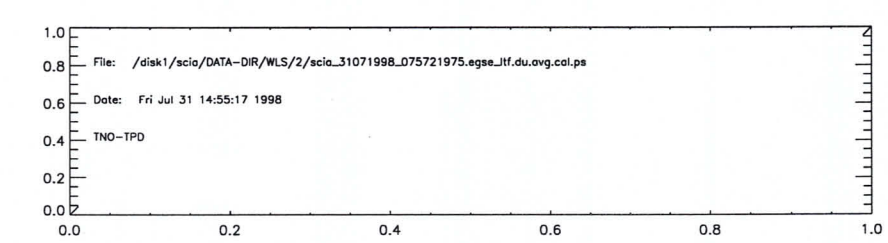

Channel: 5
2.0×10^5
1.5×10^5
1.0×10^5
5.0×10^4
0
0
200
400
600
800
1000
1200

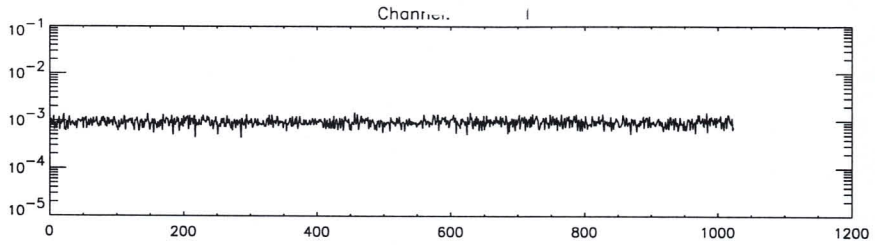

Channel: 6
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200

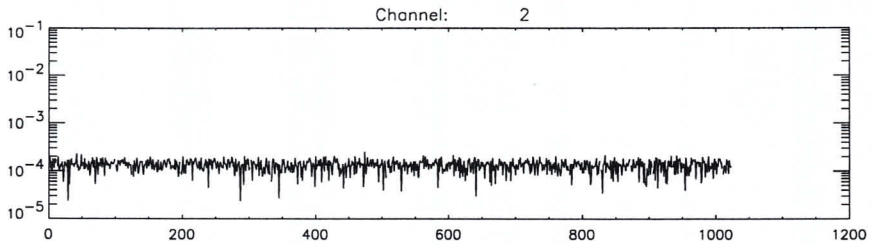

Channel: 7
3.0×10^6
2.5×10^6
2.0×10^6
1.5×10^6
1.0×10^6
5.0×10^5
0
0
200
400
600
800
1000
1200

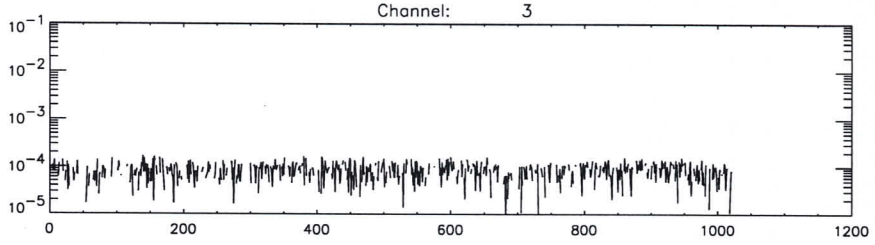

Channel: 8
5.0×10^6
4.0×10^6
3.0×10^6
2.0×10^6
1.0×10^6
0
0
200
400
600
800
1000
1200

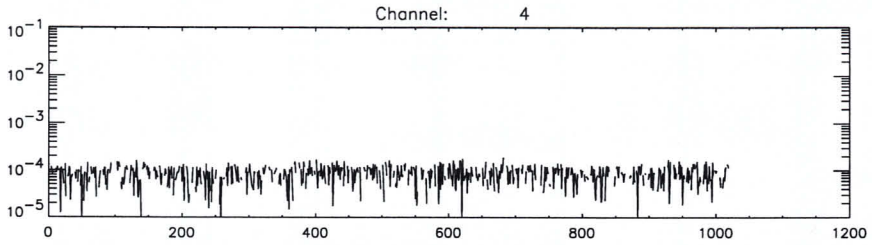

Channel: PMDs
8000
6000
4000
2000
0
0
5
10
15

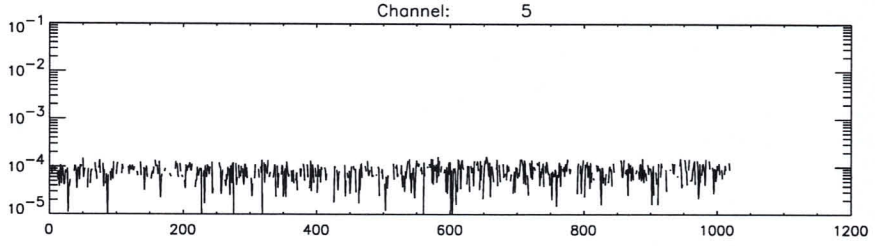

File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal.ps
Date: Fri Jul 31 14:55:17 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel: 1


Channel: 2


Channel: 3


Channel: 4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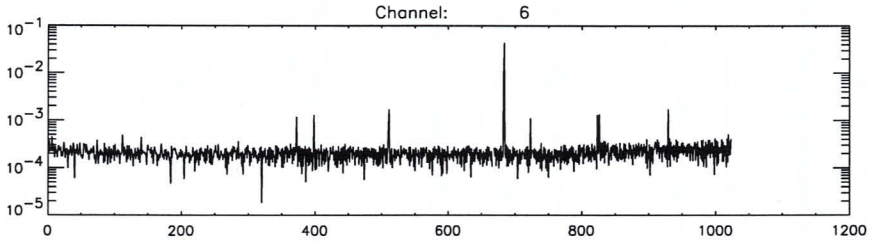
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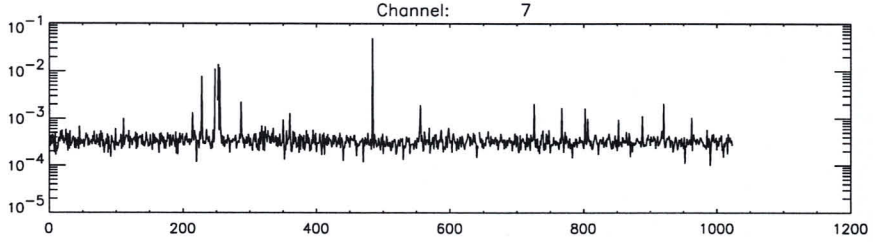
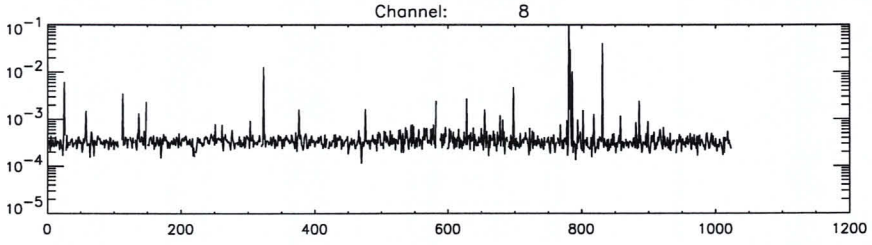

Channel: 7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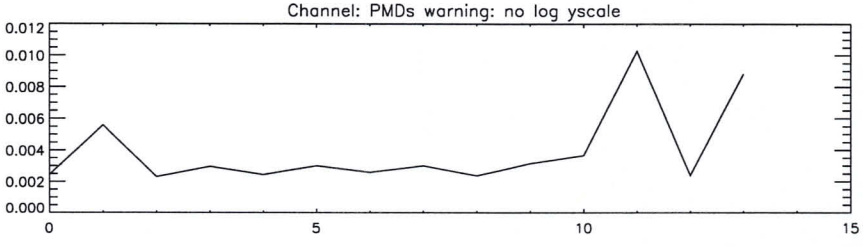
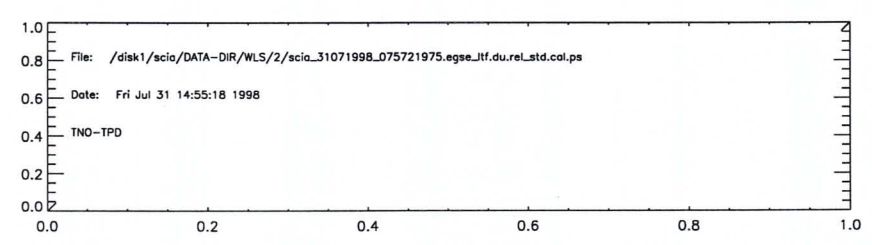
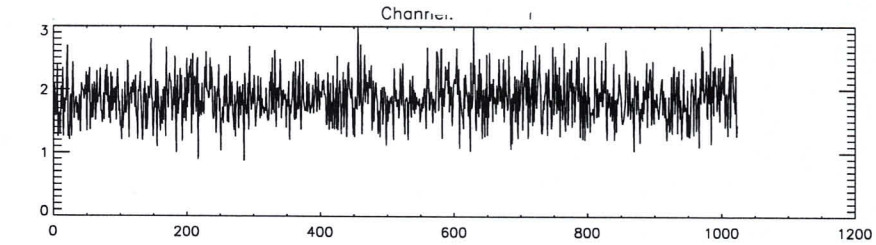

Channel: PMDs warning: no log yscale


File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.rel_std.cal.ps
Date: Fri Jul 31 14:55:18 1998
TNO-TPD


Channel:
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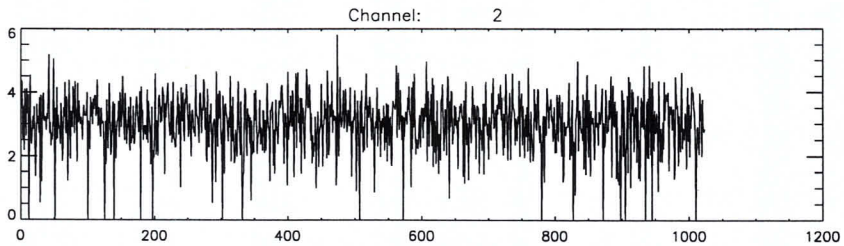
1000
1200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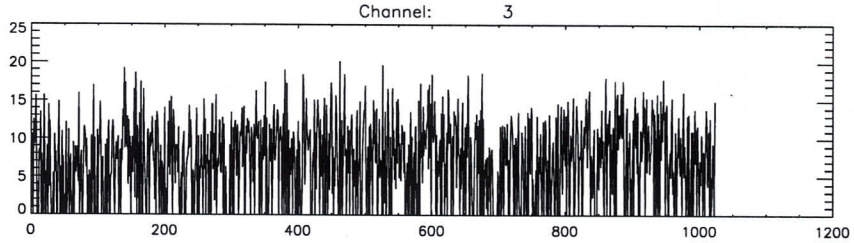
Channel: 3
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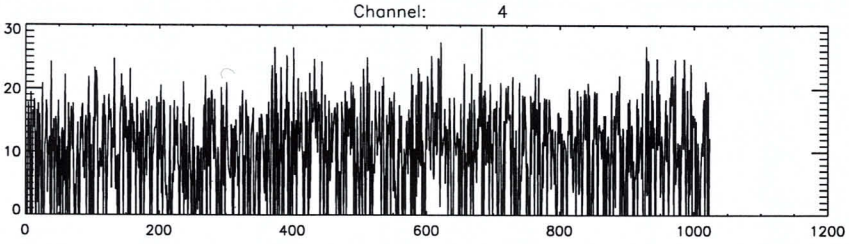
Channel: 4
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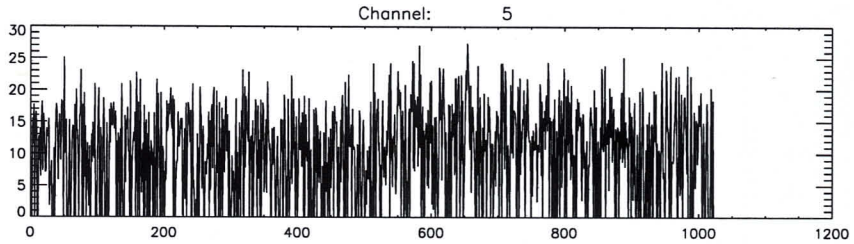
600
800
1000
1200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600
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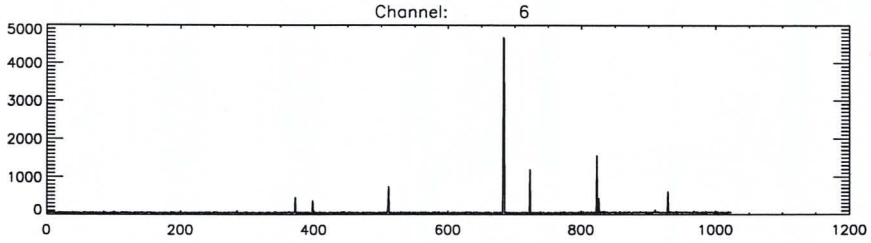
1000
1200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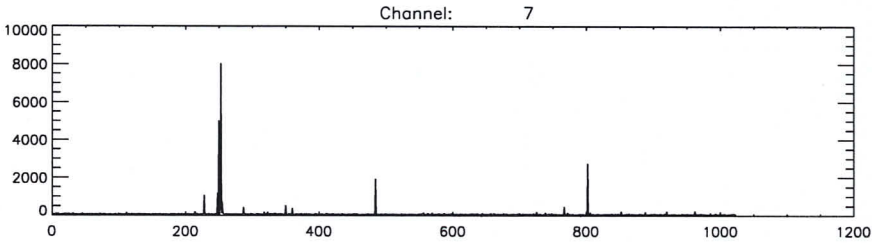
1200


Channel: 7
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8000
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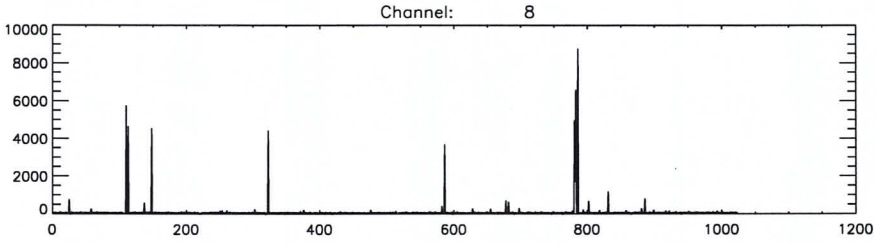
600
800
1000
1200


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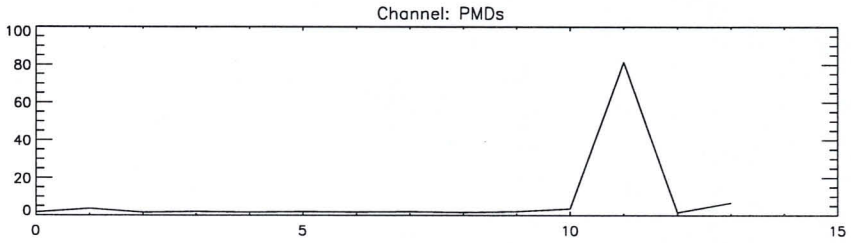
600
800
1000
1200


Channel: PMDs
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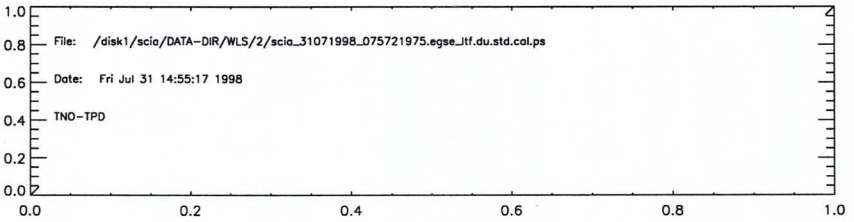
0
5
10
15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Date: Fri Jul 31 14:55:17 1998
TNO-TPD
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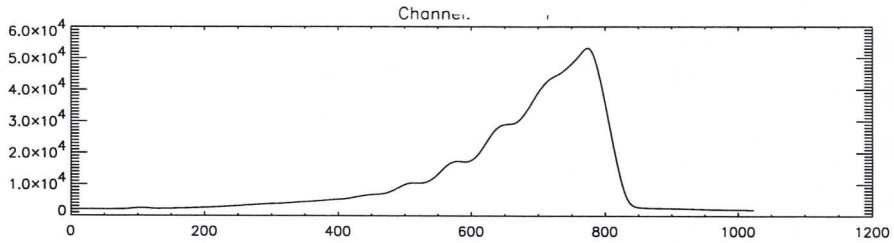
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0


Channel:
6.0x10^4
5.0x10^4
4.0x10^4
3.0x10^4
2.0x10^4
1.0x10^4
0
0
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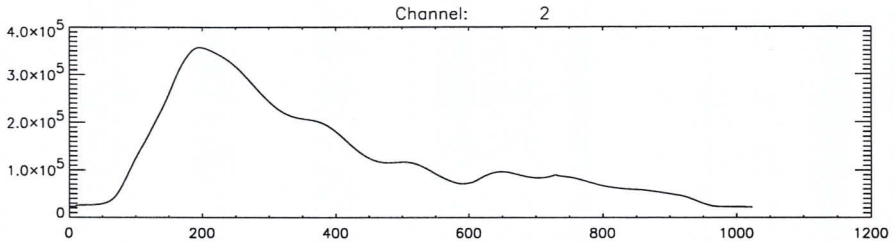
600
800
1000
1200


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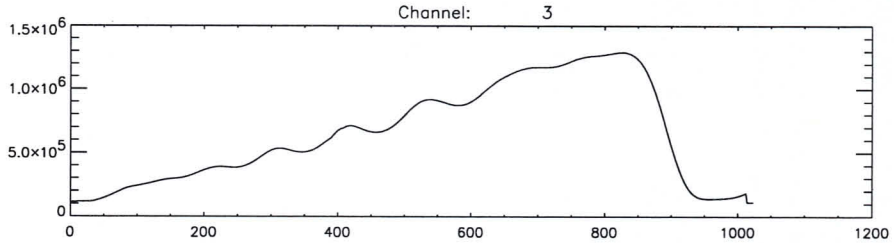
400
600
800
1000
1200


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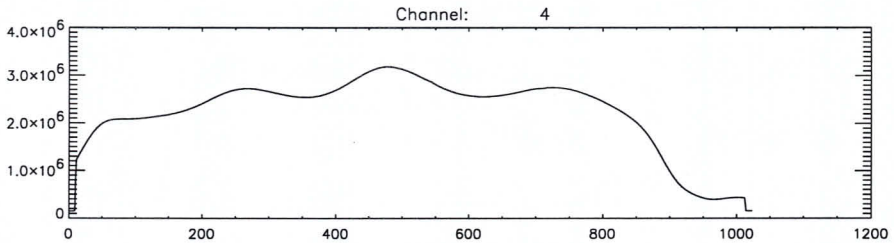
400
600
800
1000
1200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2.0x10^6
1.0x10^6
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0
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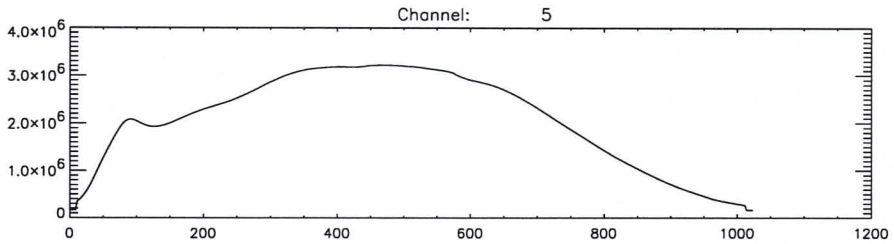
600
800
1000
1200


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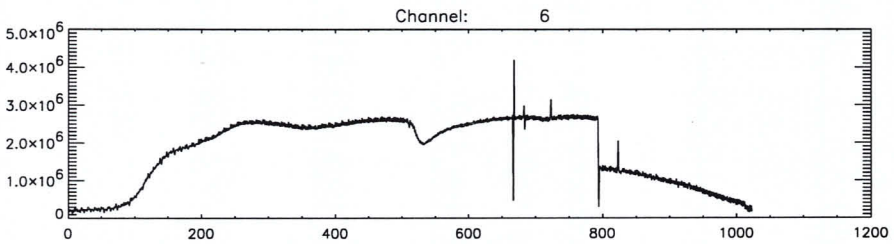
600
800
1000
1200


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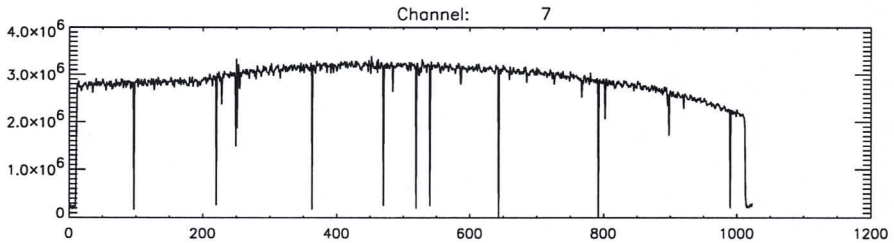
600
800
1000
1200


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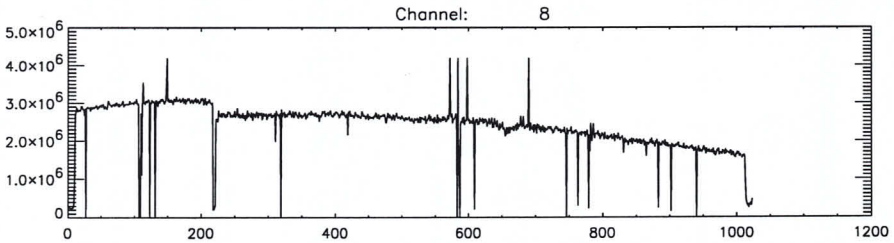
600
800
1000
1200


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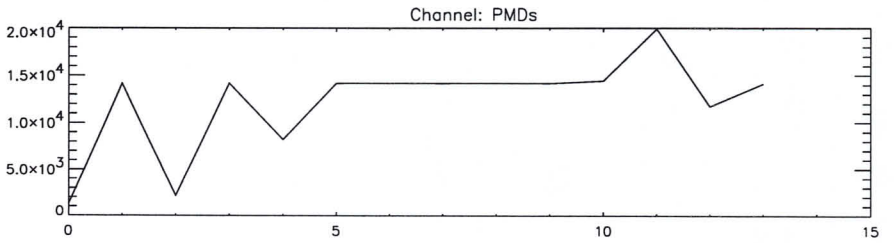
600
800
1000
1200


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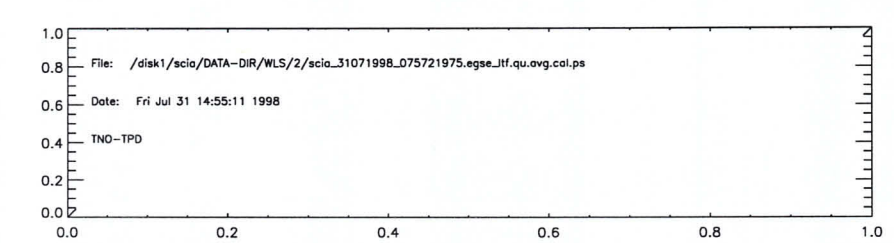
1.0x10^4
5.0x10^3
0
0
5
10
15


File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_itf.qu.avg.cal.ps
Date: Fri Jul 31 14:55:11 1998
TNO-TPD
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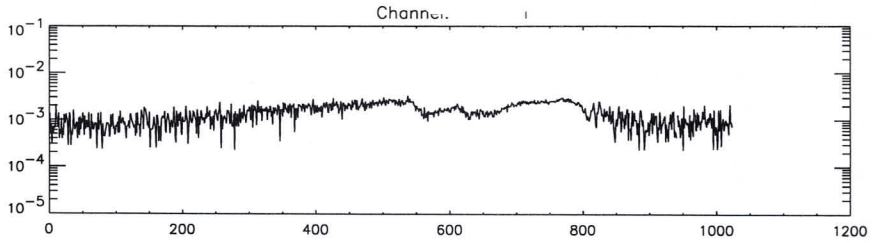
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


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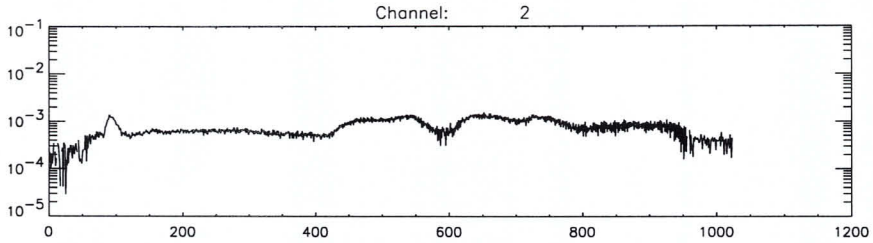
600
800
1000
1200


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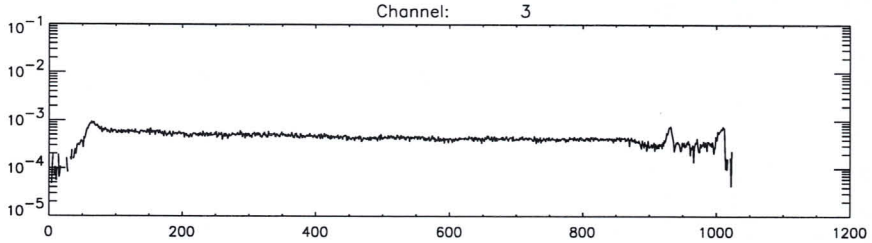
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
200
400
600
800
1000
1200


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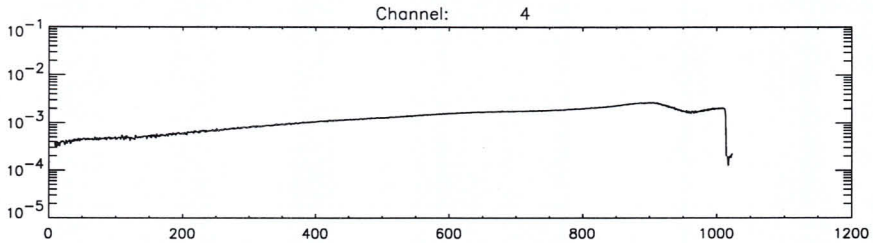
600
800
1000
1200


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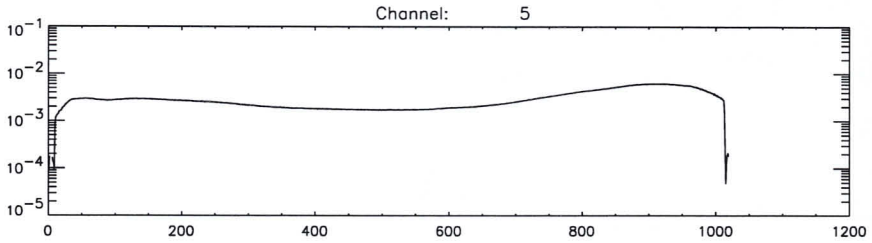
400
600
800
1000
1200


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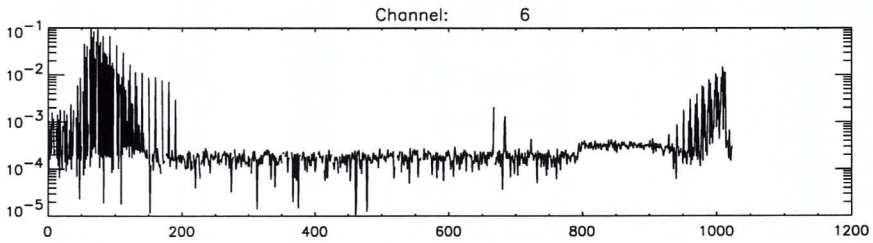
400
600
800
1000
1200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10^{-3}
10^{-4}
10^{-5}
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600
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1000
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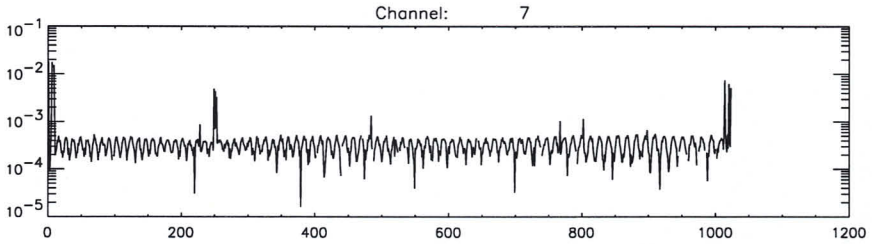
Channel: 7
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10^{-2}
10^{-3}
10^{-4}
10^{-5}
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600
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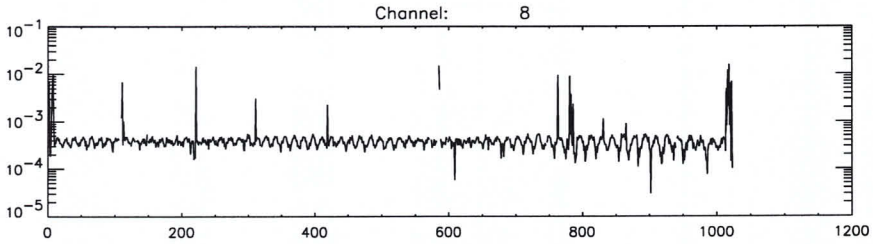
1000
1200


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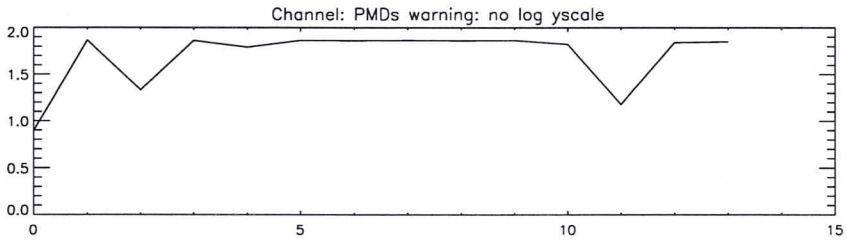
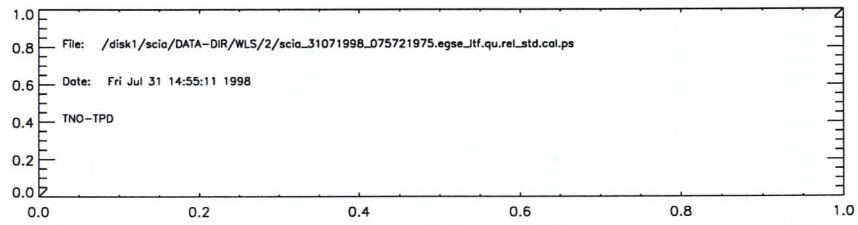
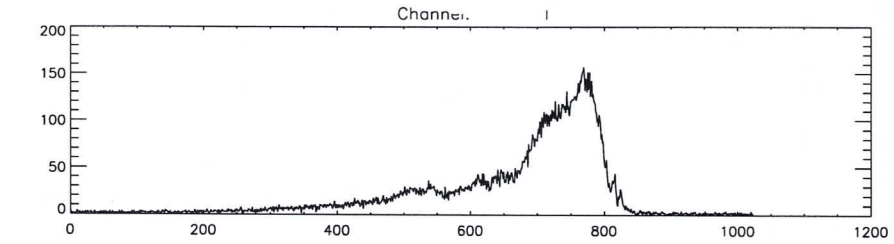
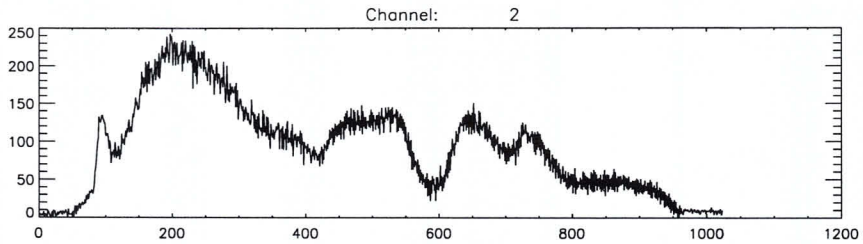
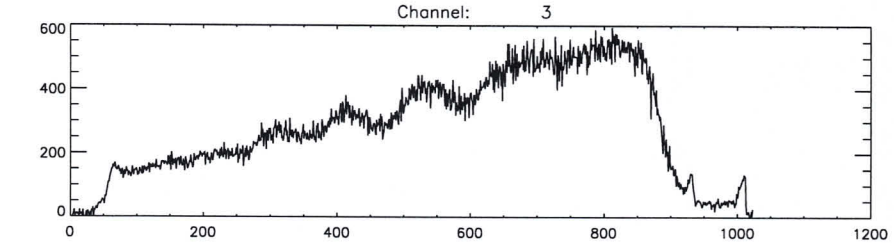
600
800
1000
1200

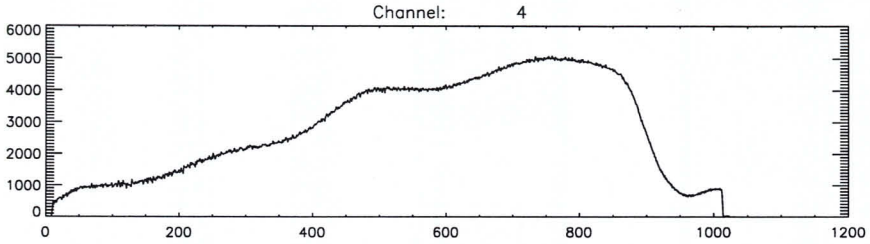

Channel: PMDs warning: no log yscale
2.0
1.5
1.0
0.5
0.0
0
5
10
15

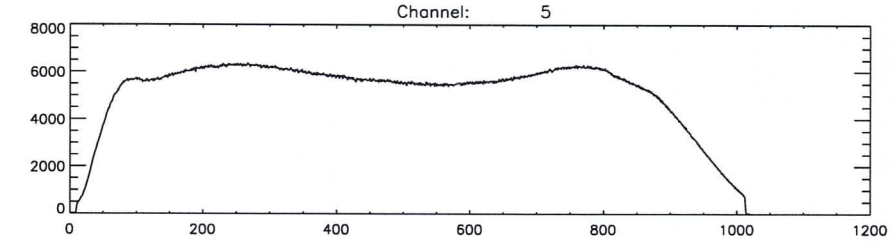

File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.qu.rel_std.cal.ps
Date: Fri Jul 31 14:55:11 1998
TNO-TPD
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

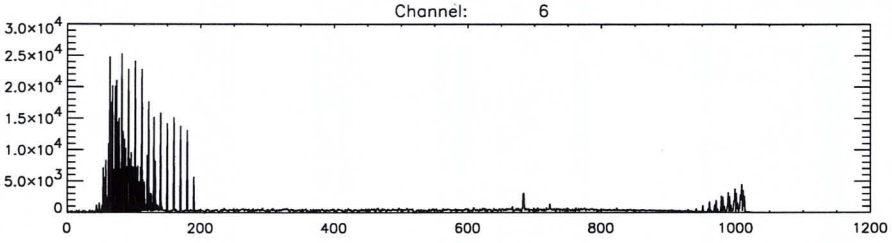

Channel: 1

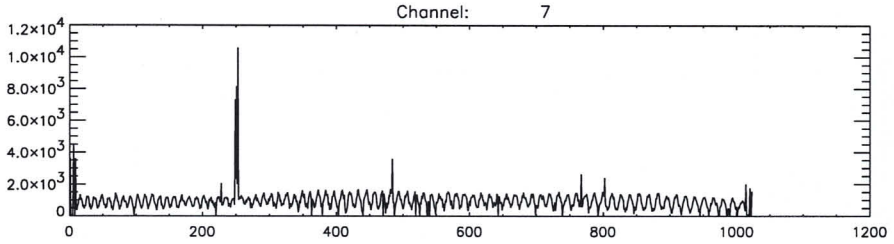

Channel: 2

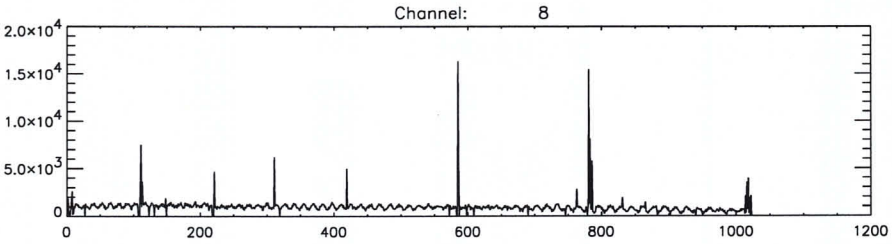

Channel: 3

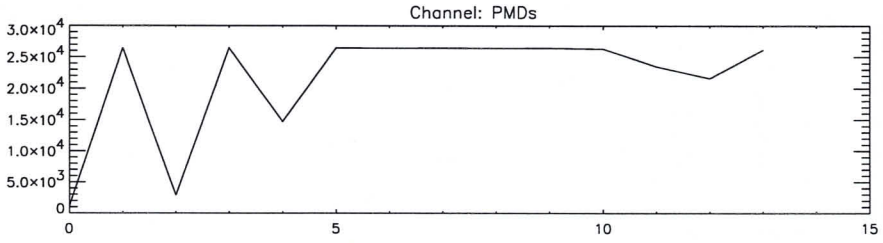

Channel: 4

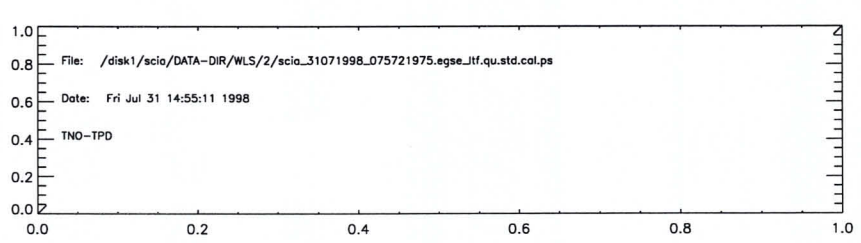

Channel: 5


Channel: 6


Channel: 7

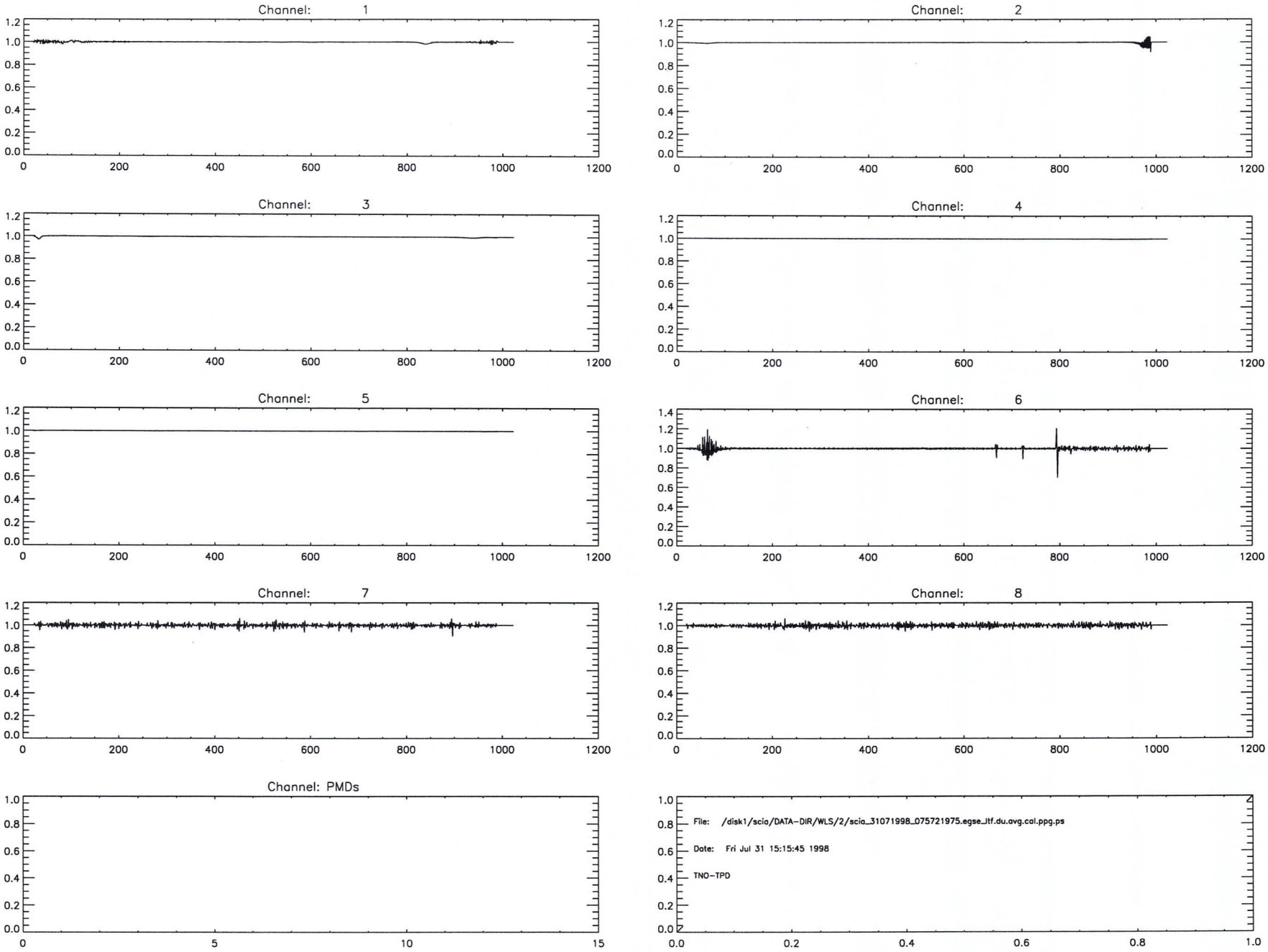

Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_itf.qu.std.cal.ps
Date: Fri Jul 31 14:55:11 1998
TNO-TPD

```
time       = Fri Jul 31 14:55:18 1998
batch      = du
Start TOD = Fri 31-Jul-98 07:57:47
End   TOD = Fri 31-Jul-98 07:58:47
Processing= computation of average, standard dev. and rel.standard dev.
```

```
time       = Fri Jul 31 14:55:11 1998
batch      = qu
Start TOD = Fri 31-Jul-98 07:57:21
End   TOD = Fri 31-Jul-98 07:57:47
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/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps
Date: Fri Jul 31 15:15:45 1998
TNO-TPD

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.qu.avg.cal
Action: Computation of Pixel to pixel gain
Processing time: Fri Jul 31 15:15:44 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal

Transfer Data File

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	Wendell Lynch 31-07-98	
	What's the name of the (main) data input files that you want to store on the SUN named `scia6`?	scia-31071998-07572975.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	Wendell Lynch
Date and time	31-07-1998 12.40
Signature	

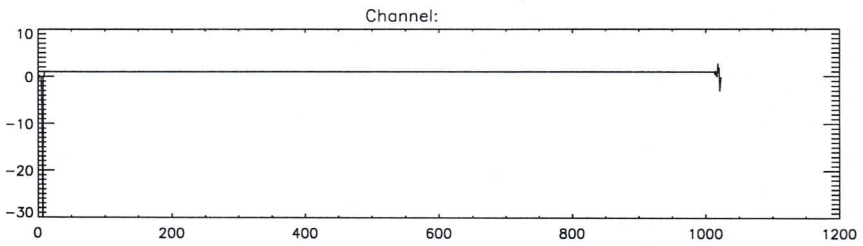
STEP	ACTION	RESULT	MARKER
Intro	Your name:	Wendell Lynch	
	Date:	31-07-98	
	What's the name of the (main) data input files generated by the EGSE? `(*.dat)`	-31071998_075721975.dat	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Cnstr directory	`cd ~/DATA-DIR/WLS ; ls -l` highest number in directory?	1	Note: In window DATA-DIR (B)
	New directory: `mkdir <B+1>` `ls -l` What's now the highest number in directory?	2	(Do this only when you haven't already a directory with the source file for PPG purposes.) (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.	310798	In DATA-DIR Window
	When running the ETALON analysis, you will be asked to select this direcotory when storing the resulting ETALON correction file.		

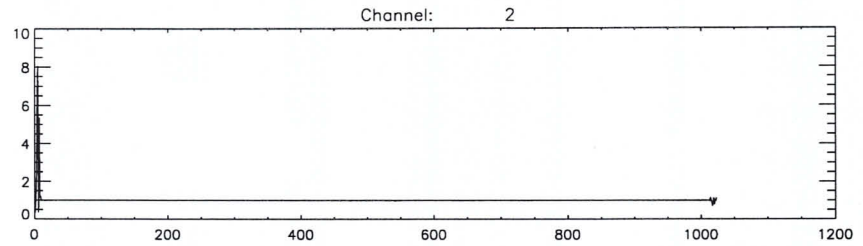
	Contents of `*rel_std*.ps` files should be smaller than 0.01 (pixel 300 -- 800) for all channels. If not, value is:	(Y) / N _____	
	Add postscript images to logbook, done	(Y) / N	
Print logfiles	`lpr -P<printer> *.log` Add logfiles to logbook, done	(Y) / N	

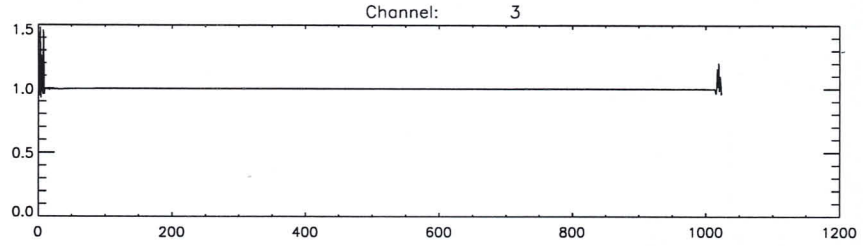
ETALON processing			
Run ETALON	`idl do_etalon`		In IDL window
Check ETALON	`ls -l <DIR-NAME>/*` Size of file `*.du*.avg.cal.etalon.cal`	_____ 145.998 _____	In DATA-DIR window should be approx 150Kb
Check ETALON visually	`lpr -P<printer> *.du*.avg.cal.etalon.cal.ps` Value of ETALON should show only a small variation around 1.0 (like noise). Add postscript images to logbook, done	(Y) / N (Y) / N	
Print logfiles	`lpr -P<printer> *.du*.avg.cal.etalon.cal.log` Add logfiles to logbook, done	(Y) / N	

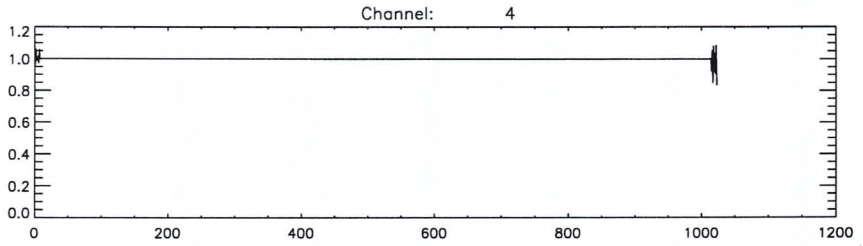
Back up	Create 3 sets of backup CDs of directory <DIR-NAME> (One CD has a capacity of 600 Mbytes, the UNIX command `/usr/bin/du -k .` gives the number of kilo bytes in the current directory). Name of backup CDs	_____ 31 07 98 F _____	See analysis sheet BackUp

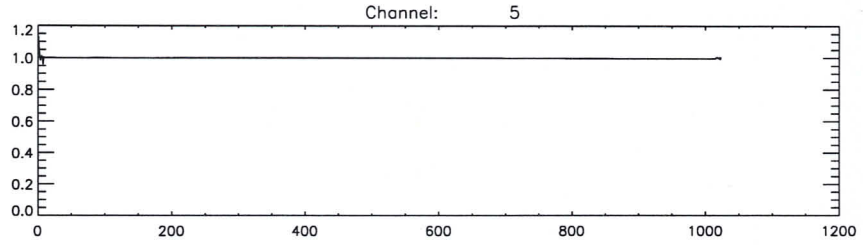
Sign:	Name	_____ Wedell Lynch.

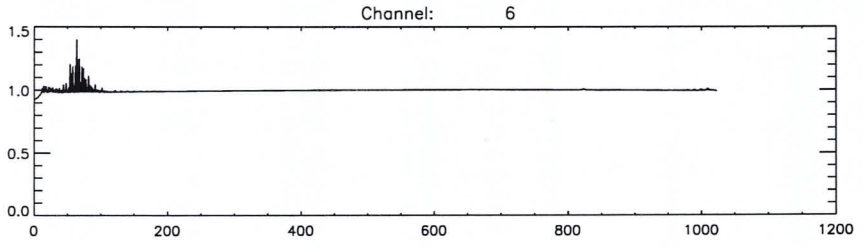

Channel:

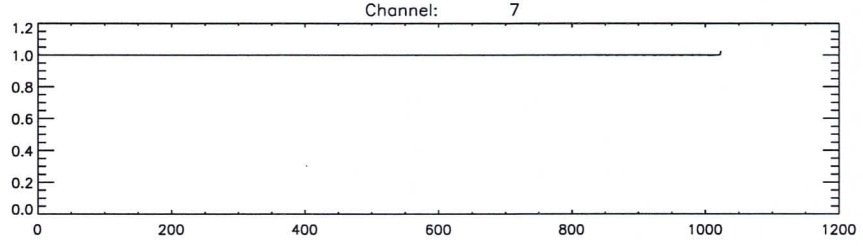

Channel: 2

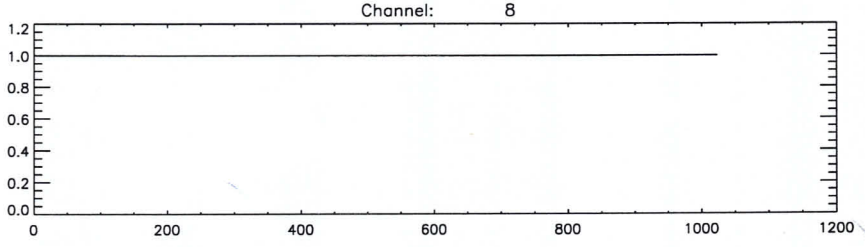

Channel: 3

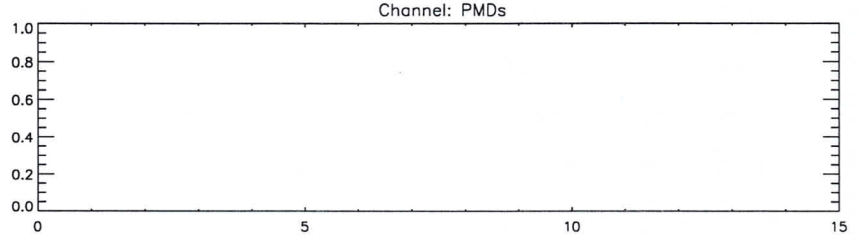

Channel: 4

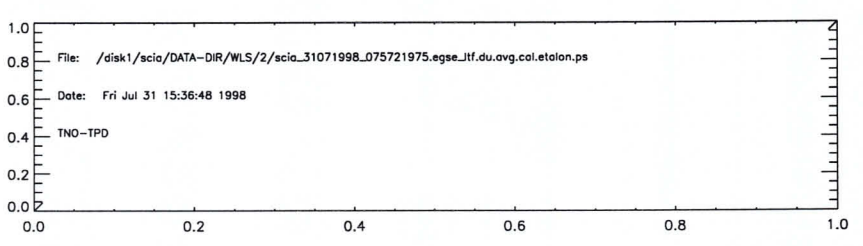

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps
Date: Fri Jul 31 15:36:48 1998
TNO-TPD

Version: 0.1
Input files:

/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal and

/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.qu.avg.cal
Action: Extraction of etalon structure
Processing time: Fri Jul 31 15:38:17 1998
Output file name:
/disk1/scia/DATA-DIR/WLS/2/scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.

```
#! /bin/sh
mv 212y0754.doc f0
mv 212y0800.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_075721975.dat f8
mv scia_31071998_075721975.egse_ltf f9
mv scia_31071998_075721975.egse_ltf.du.avg.cal f10
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal f11
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal.log f12
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps f13
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps.log f14
mv scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal f15
mv scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.log f16
mv scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.ps f17
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal f18
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal.log f19
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps f20
m  scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps.log f21
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ps f22
mv scia_31071998_075721975.egse_ltf.du.log f23
mv scia_31071998_075721975.egse_ltf.du.rel_std.cal f24
mv scia_31071998_075721975.egse_ltf.du.rel_std.cal.ps f25
mv scia_31071998_075721975.egse_ltf.du.std.cal f26
mv scia_31071998_075721975.egse_ltf.du.std.cal.ps f27
mv scia_31071998_075721975.egse_ltf.qu.avg.cal f28
mv scia_31071998_075721975.egse_ltf.qu.avg.cal.ps f29
mv scia_31071998_075721975.egse_ltf.qu.log f30
mv scia_31071998_075721975.egse_ltf.qu.rel_std.cal f31
mv scia_31071998_075721975.egse_ltf.qu.rel_std.cal.ps f32
mv scia_31071998_075721975.egse_ltf.qu.std.cal f33
mv scia_31071998_075721975.egse_ltf.qu.std.cal.ps f34
```

STEP	ACTION	RESULT	MARKER
Intro	Your name:	Wendell Lynch	
	Date:	31-07-1998	
	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`		In IDL window
	Let <D1> be the first selected dark file name		
	Full path name of <D1>	WLS/2/scia31071998-075721975.09se_ltf.du.avg.cal.div.cal	In DATA window
	ls -l <D1>.div.cal		
	size of <D1>.div.cal	145.998	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps		In DATA Window
	Add postscript image to logbook, Done?	Y / N	
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).		See analysis sheet BackUp
	Name of backup CDs	310798 F	
Sign:	Name	YOS	
	Date and time	31-7-1998	
	Signature		

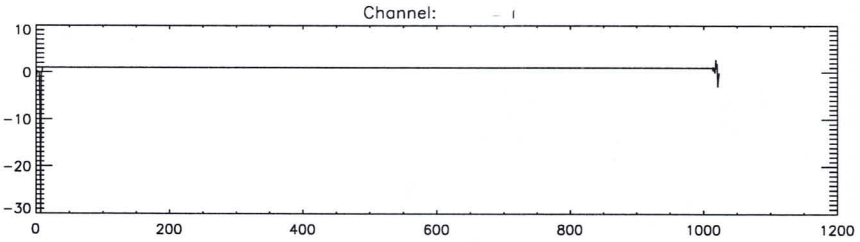
first second

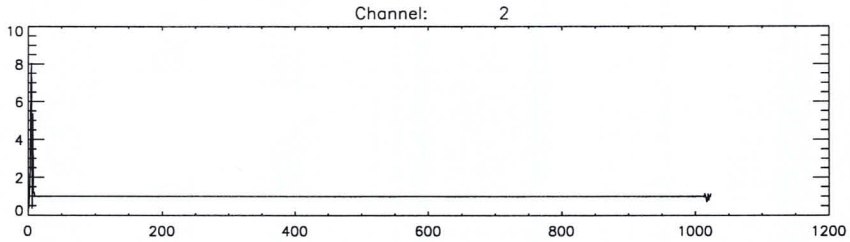
WLS 2 / WLS 1

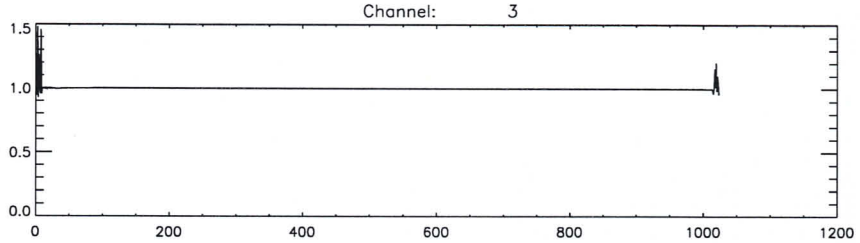
div WLS 2 AND WLS 1

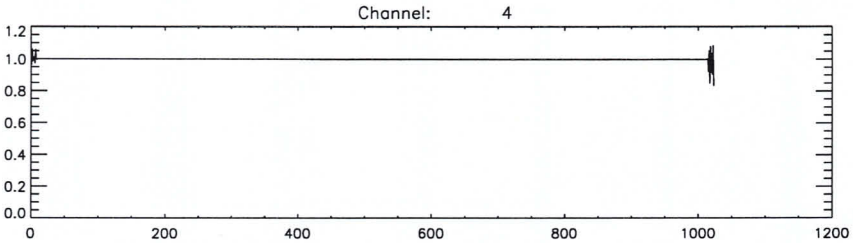
WLS/2

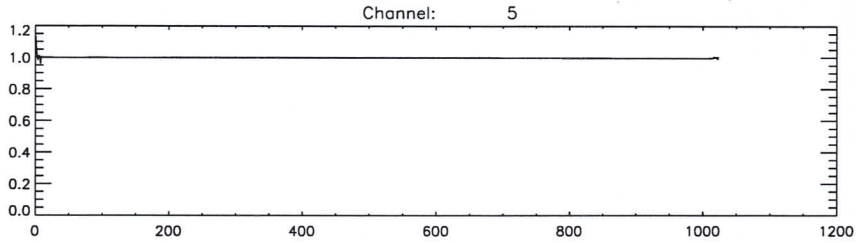
WLS/1

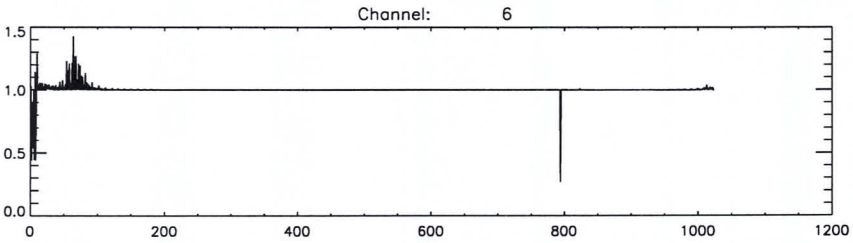

Channel:
10
0
−10
−20
−30
0
200
400
600
800
1000
1200

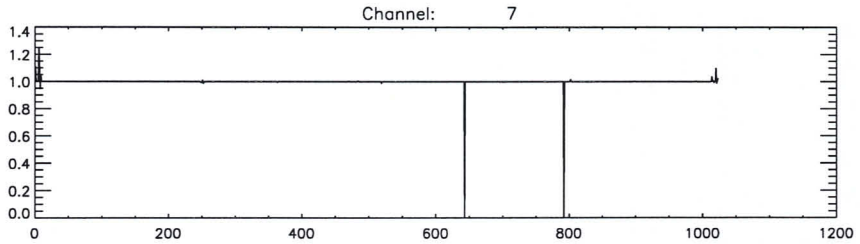

Channel: 2
10
8
6
4
2
0
0
200
400
600
800
1000
1200

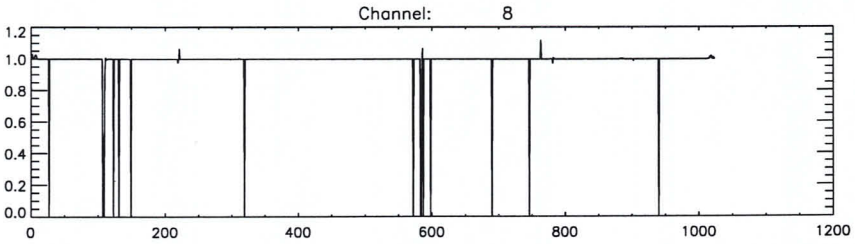

Channel: 3
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

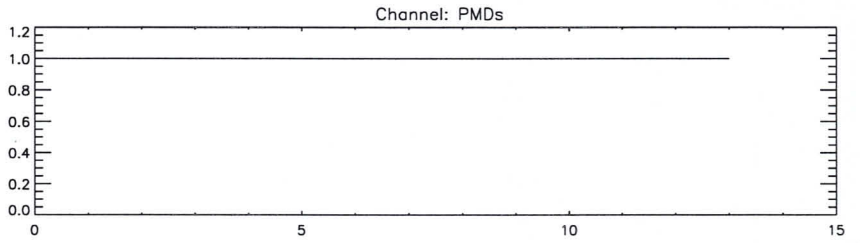

Channel: 4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200

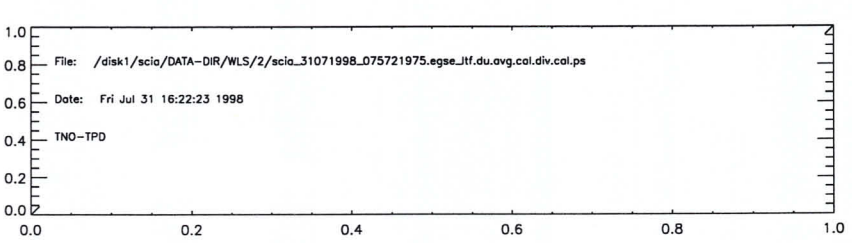

Channel: 5
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: 6
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200


Channel: 7
1.4
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
1.2
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/2/scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.ps
Date: Fri Jul 31 16:22:23 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

```
#! /bin/sh
mv 212y0754.doc f0
mv 212y0800.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_075721975.dat f8
mv scia_31071998_075721975.egse_ltf f9
mv scia_31071998_075721975.egse_ltf.du.avg.cal f10
mv scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal f11
mv scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.log f12
mv scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.ps f13
mv scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.ps.log f14
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal f15
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal.log f16
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps f17
mv scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps.log f18
mv scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal f19
mv scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.log f20
r  scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.ps f21
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal f22
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal.log f23
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps f24
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps.log f25
mv scia_31071998_075721975.egse_ltf.du.avg.cal.ps f26
mv scia_31071998_075721975.egse_ltf.du.log f27
mv scia_31071998_075721975.egse_ltf.du.rel_std.cal f28
mv scia_31071998_075721975.egse_ltf.du.rel_std.cal.ps f29
mv scia_31071998_075721975.egse_ltf.du.std.cal f30
mv scia_31071998_075721975.egse_ltf.du.std.cal.ps f31
mv scia_31071998_075721975.egse_ltf.qu.avg.cal f32
mv scia_31071998_075721975.egse_ltf.qu.avg.cal.ps f33
mv scia_31071998_075721975.egse_ltf.qu.log f34
mv scia_31071998_075721975.egse_ltf.qu.rel_std.cal f35
mv scia_31071998_075721975.egse_ltf.qu.rel_std.cal.ps f36
mv scia_31071998_075721975.egse_ltf.qu.std.cal f37
mv scia_31071998_075721975.egse_ltf.qu.std.cal.ps f38
```

```
#! /bin/sh
mv f0 212y0754.doc
mv f1 212y0800.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_31071998_075721975.dat
mv f9 scia_31071998_075721975.egse_ltf
mv f10 scia_31071998_075721975.egse_ltf.du.avg.cal
mv f11 scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal
mv f12 scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.log
mv f13 scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.ps
mv f14 scia_31071998_075721975.egse_ltf.du.avg.cal.div.cal.ps.log
mv f15 scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal
mv f16 scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.cal.log
mv f17 scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps
mv f18 scia_31071998_075721975.egse_ltf.du.avg.cal.etalon.ps.log
mv f19 scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal
mv f20 scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.log
mv f21 scia_31071998_075721975.egse_ltf.du.avg.cal.p1.cal.ps
mv f22 scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal
mv f23 scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.cal.log
mv f24 scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps
mv f25 scia_31071998_075721975.egse_ltf.du.avg.cal.ppg.ps.log
mv f26 scia_31071998_075721975.egse_ltf.du.avg.cal.ps
mv f27 scia_31071998_075721975.egse_ltf.du.log
mv f28 scia_31071998_075721975.egse_ltf.du.rel_std.cal
mv f29 scia_31071998_075721975.egse_ltf.du.rel_std.cal.ps
mv f30 scia_31071998_075721975.egse_ltf.du.std.cal
mv f31 scia_31071998_075721975.egse_ltf.du.std.cal.ps
mv f32 scia_31071998_075721975.egse_ltf.qu.avg.cal
mv f33 scia_31071998_075721975.egse_ltf.qu.avg.cal.ps
mv f34 scia_31071998_075721975.egse_ltf.qu.log
mv f35 scia_31071998_075721975.egse_ltf.qu.rel_std.cal
mv f36 scia_31071998_075721975.egse_ltf.qu.rel_std.cal.ps
mv f37 scia_31071998_075721975.egse_ltf.qu.std.cal
mv f38 scia_31071998_075721975.egse_ltf.qu.std.cal.ps
```

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	_____ _____	

Backup data	Let <D> be the directory you want to backup.
	`cd <D>`
	`mk_filetr`
	`ls -l | more`
	Are the files l_names and s_names present?
	If not, are you sure that the function `mk_filetr` executed?
	`./s_names`
	ls -l more
	All file names of the form `f<digit>`?
	`lpr -P<printer>`
	`s_names l_names`
	Add output to log book, done?
		Y / N
		
		Y / N
		
		Y / N	

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

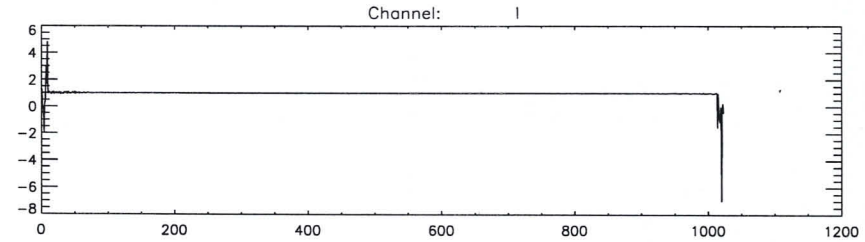
Pagenumber:

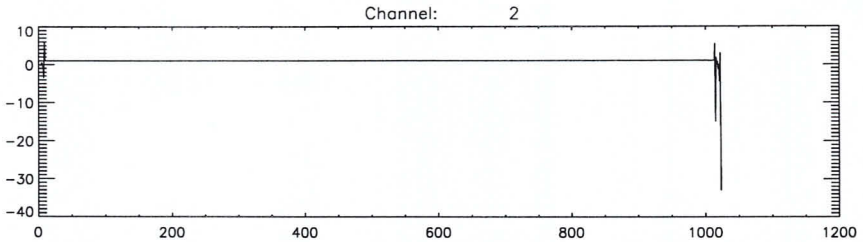
LOG SHEET SCIAMACHY CALIBRATION

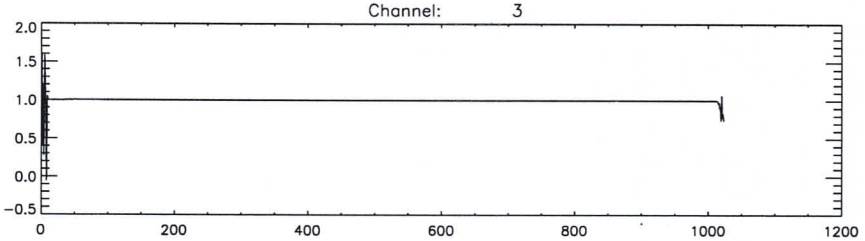
date/time	description of action	measuremement filename
31-7	compare UID 22	
1439	divide subdir 3/1 oke	
	5/1 oke	
	7/1 oke	
	small rimples in	
	the centre of CH 6 ⇒ H_2O in Clean Room	
	8/1 not OKE	
	after research:	
	8 is a NDF msm	
	subdir 4 is a REDO analysis	
	subdir 6 lights on; msm halted	
	subdir 2 is a NDF measurment	
	Backup of all NADIR + CORR /latest	
	3107	
	on CD: 310798G	

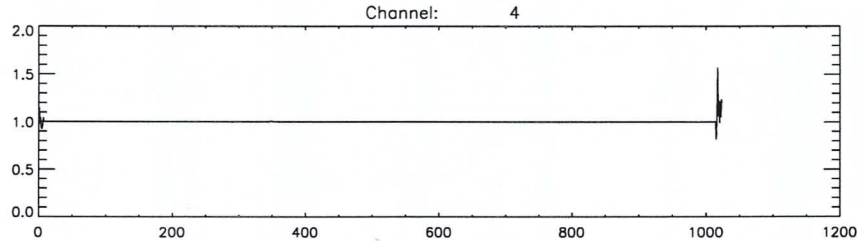
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	YGS 31-7	
	What's the name of the (main) data input file that you want to store in the SOC directory?	/	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do ratio	`idl do_ratio` Let <D1> be the first selected dark file name		In IDL window RAD NADIR 3/1
	Full path name of <D1> ls -l <D1>.div.cal	RADNADIR/3/scia_ 30071998_112434438	In DATA window
	size of <D1>.div.cal	136 kBytes	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps Add postscript image to logbook, Done?	(Y) / N	In DATA Window
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	310798G	See analysis sheet BackUp
Sign:	Name Date and time Signature	Marion Stappelenburg 310798 15:00 (UTC) M. Stap	

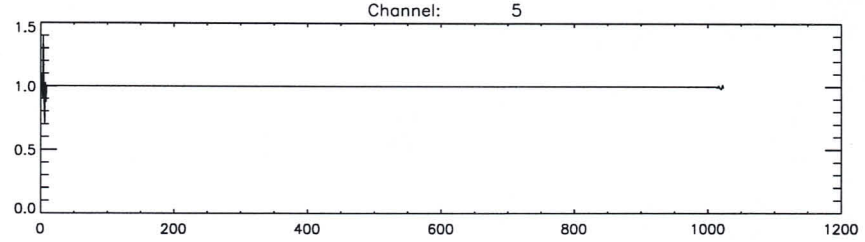
RAD-NADIR 3/1

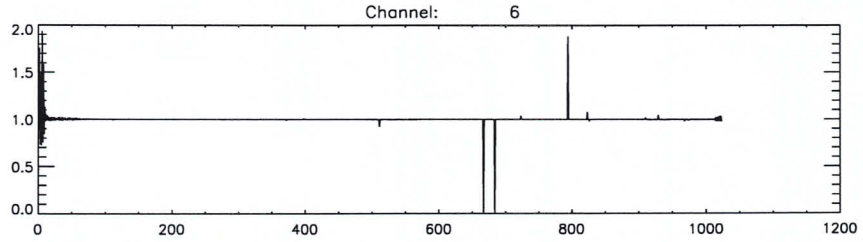

Channel: 1

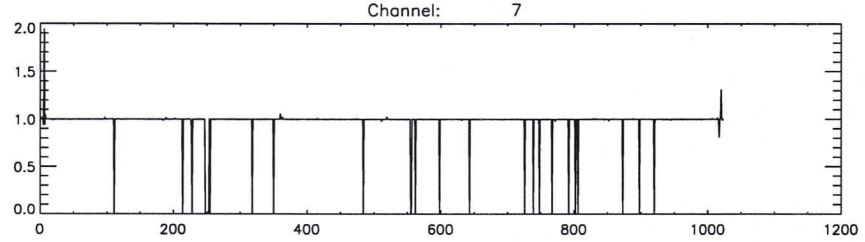

Channel: 2

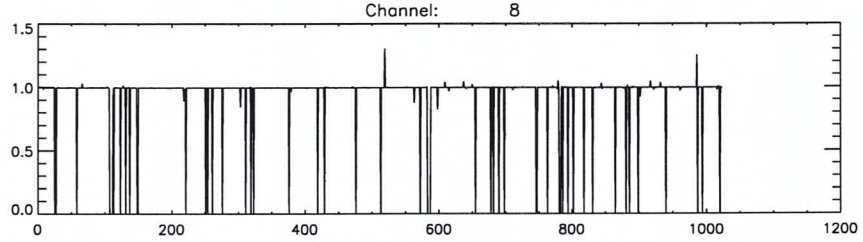

Channel: 3

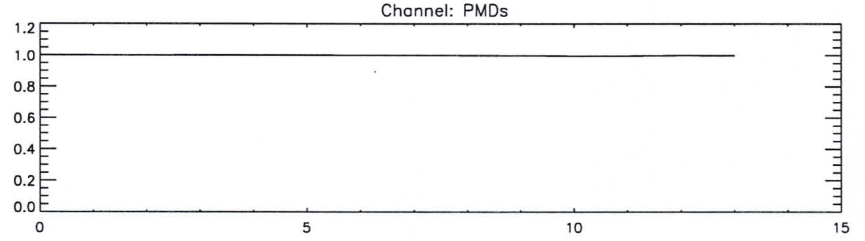

Channel: 4

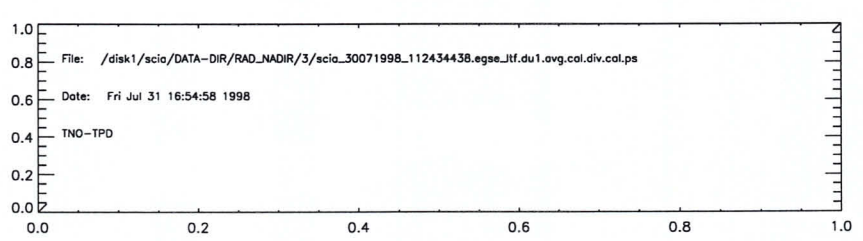

Channel: 5


Channel: 6


Channel: 7

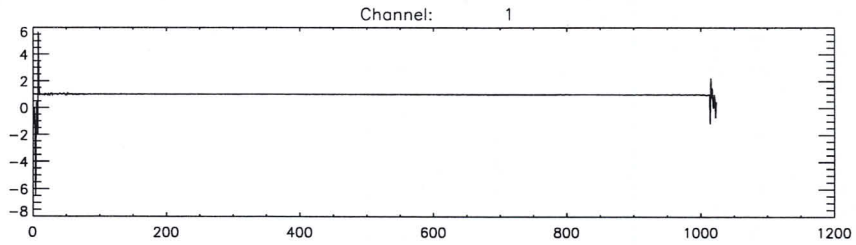

Channel: 8

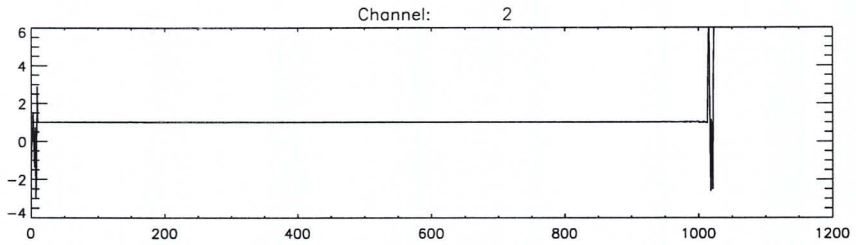

Channel: PMDs

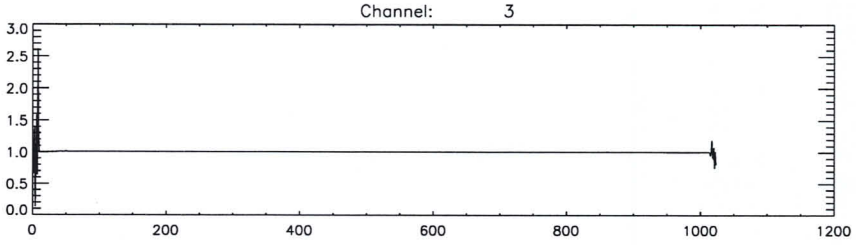

File: /disk1/scia/DATA-DIR/RAD_NADIR/3/scia_30071998_112434438.egse_ltf.du1.avg.col.div.col.ps
Date: Fri Jul 31 16:54:58 1998
TNO-TPD

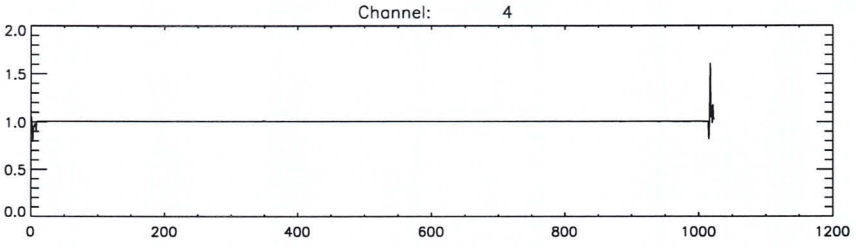
STEP	ACTION	RESULT	MARKER
Intro	Your name:	JGS	
	Date:	31-7	
	What's the name of the (main) data input file that you want to store in the SOC directory?		(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do ratio	`idl do_ratio`		In IDL window
	Let <D1> be the first selected dark file name		
	Full path name of <D1>	RAD_NADIR/5/sia.	In DATA window
	ls -l <D1>.div.cal	30071998-235459721	
	size of <D1>.div.cal	145 kByte	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps		In DATA Window
	Add postscript image to logbook, Done?	Y / N	
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).		See analysis sheet BackUp
	Name of backup CDs	310798 G	
Sign:	Name	Marion	
	Date and time	310798 15:08	
	Signature	M. Sloop	

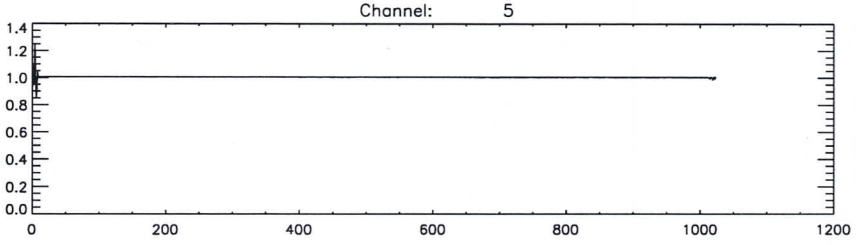
RAD-NADIR
5/1

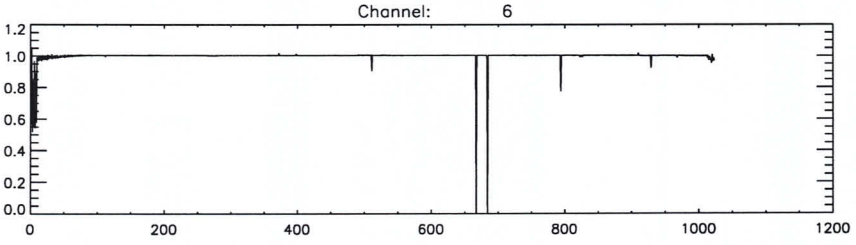

Channel: 1

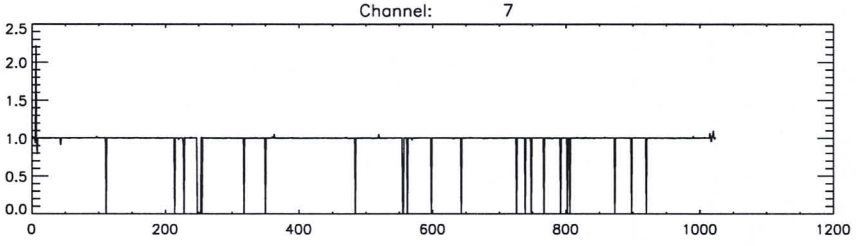

Channel: 2

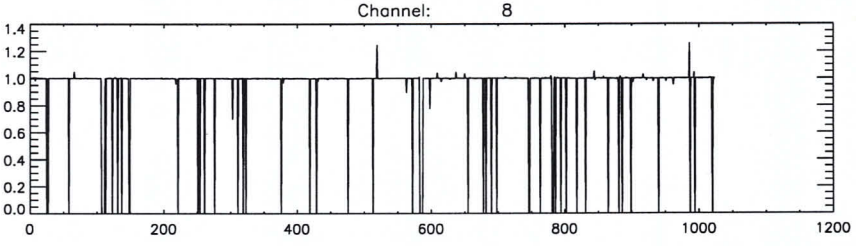

Channel: 3

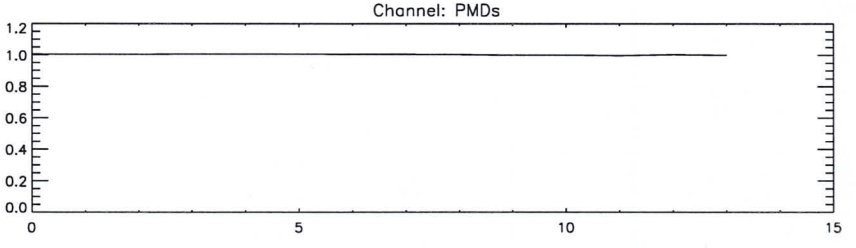

Channel: 4

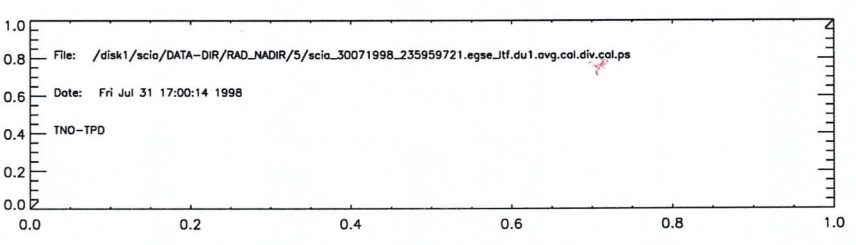

Channel: 5


Channel: 6


Channel: 7


Channel: 8


Channel: PMDs


File: /disk1/scia/DATA-DIR/RAD_NADIR/5/scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.ps
Date: Fri Jul 31 17:00:14 1998
TNO-TPD

STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	TOS 31-7	
	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	RAD_NADIR/7/scia_31071498_012659572	In DATA window
	size of <D1>.div.cal	1454 Bytes	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps Add postscript image to logbook, Done?	(Y) / N	In DATA Window
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	310798G	See analysis sheet BackUp
Sign:	Name Date and time Signature	M. Stoppelenburg 310798 15:15 M. Stopp	

RAD_NDIR 7/7

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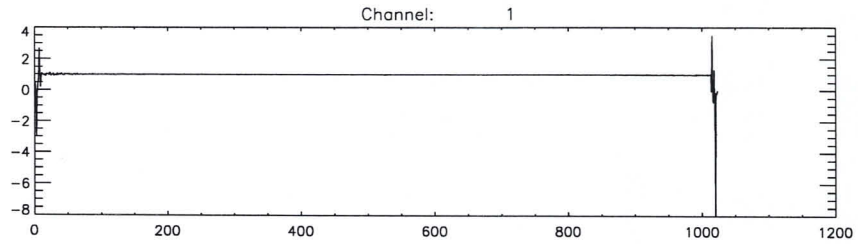
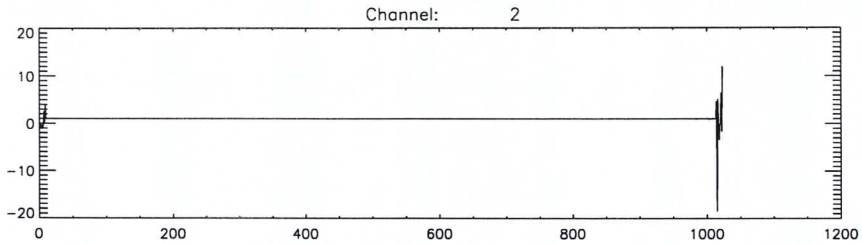
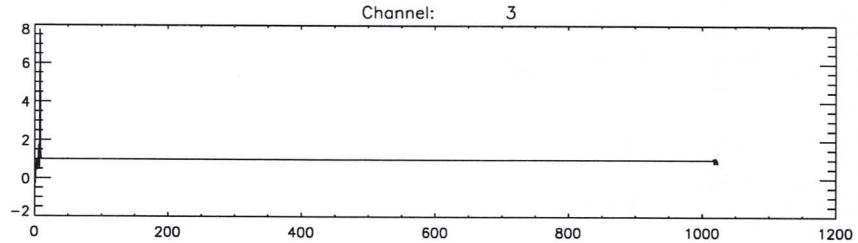
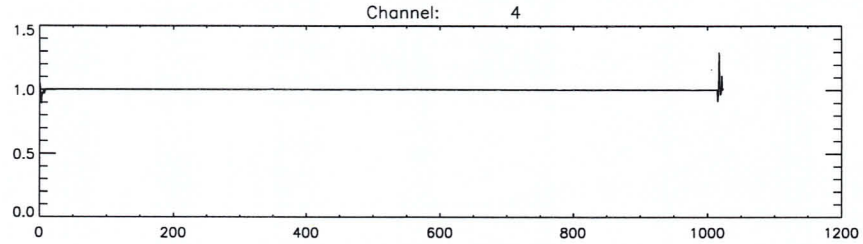
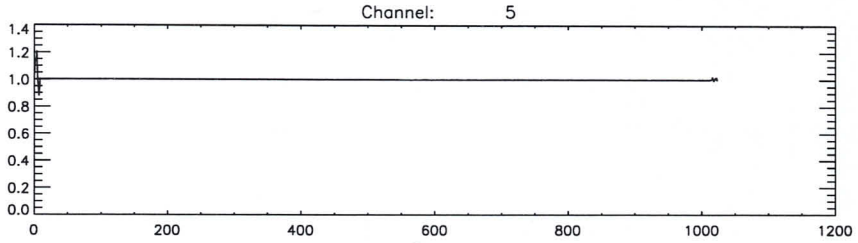
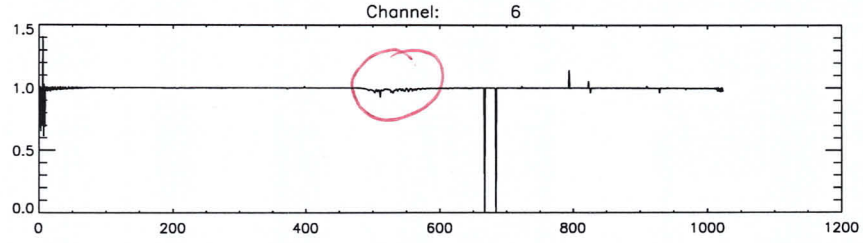

Channel: 1

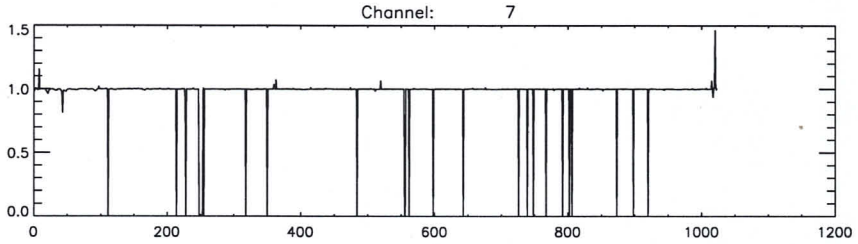

Channel: 2

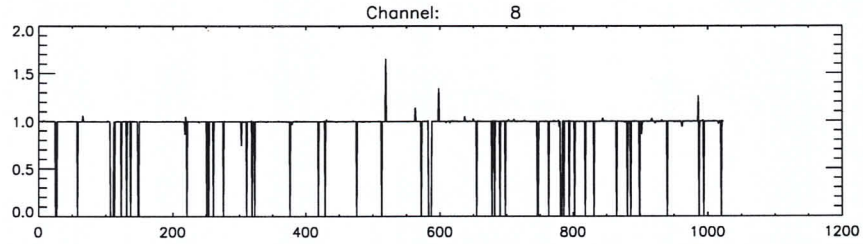

Channel: 3

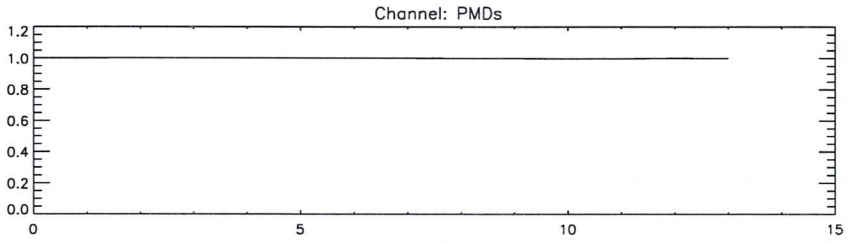

Channel: 4

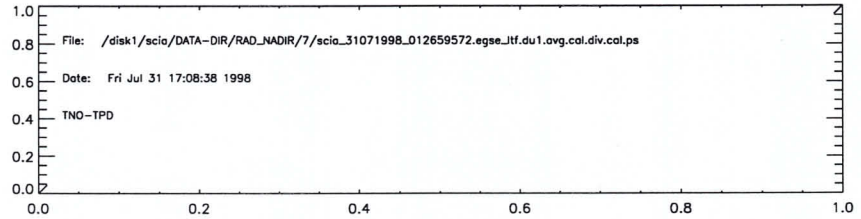

Channel: 5


Channel: 6

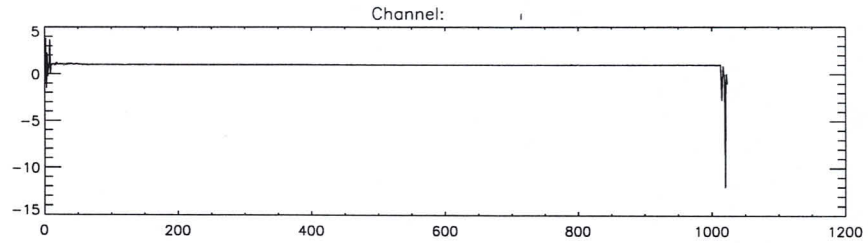

Channel: 7

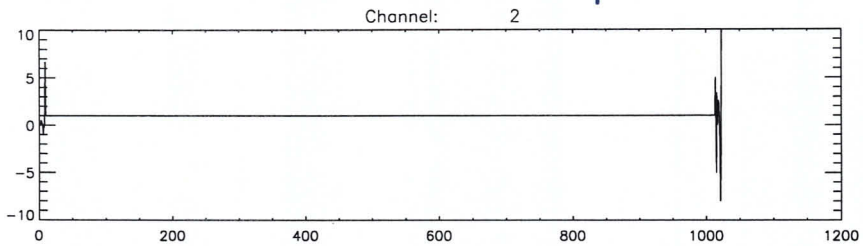

Channel: 8

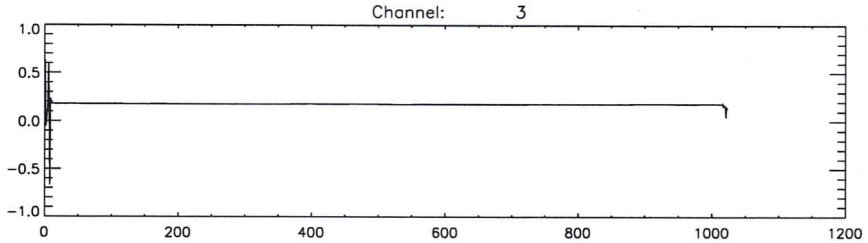

Channel: PMDs

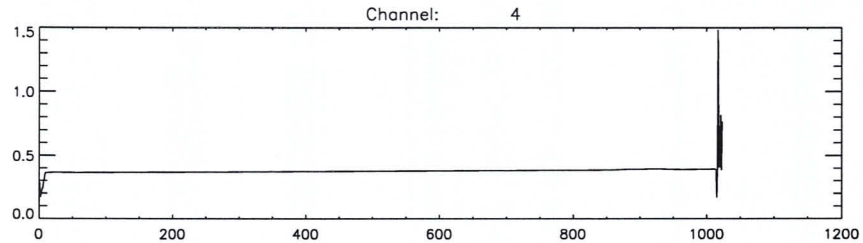

File: /disk1/scia/DATA-DIR/RAD_NADIR/7/scia_31071998_012659572.egse_itf.du1.avg.cal.div.cal.ps
Date: Fri Jul 31 17:08:38 1998
TNO-TPD

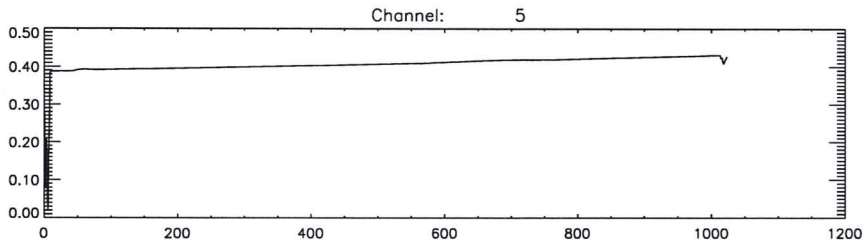
STEP	ACTION	RESULT	MARKER
Intro	Your name: Date:	765 31-7	
	What's the name of the (main) data input file that you want to store in the SOC directory?	_____	(A)
	Setup a three-window configuration on your SUN.		See course descr.
Do ratio	`idl do_ratio` Let <D1> be the first selected dark file name		In IDL window
	Full path name of <D1> ls -l <D1>.div.cal	RAO-NADIR/8/scia- 31071998-05343077	In DATA window
	size of <D1>.div.cal	165 kb	Approx. 140 kB
	lpr -P<printer> <D1>.div.cal.ps Add postscript image to logbook, Done?	(Y) / N	In DATA Window
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	310798 G	See analysis sheet BackUp
Sign:	Name Date and time Signature	765 31-7 765	

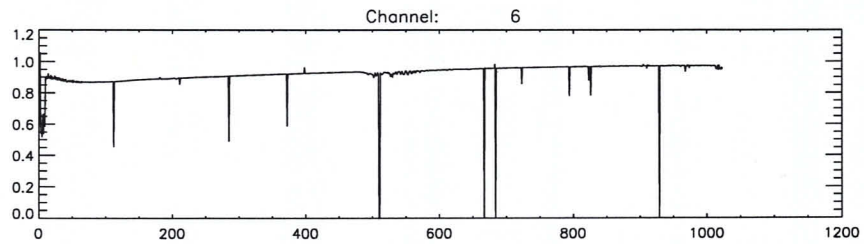

Channel:
5
0
−5
−10
−15
0
200
400
600
800
1000
1200

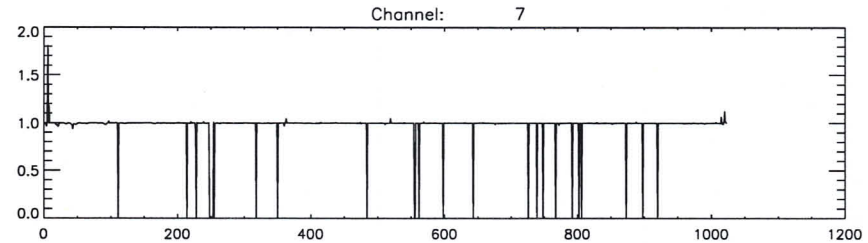

Channel: 2
10
5
0
−5
−10
0
200
400
600
800
1000
1200

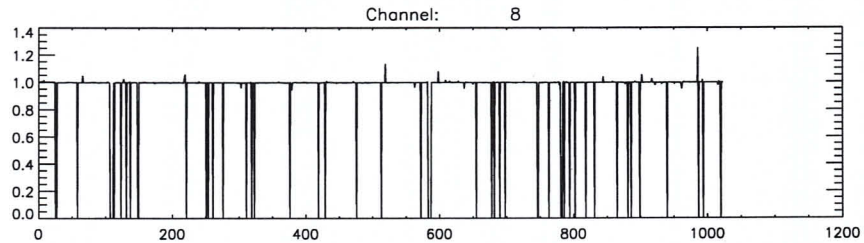

Channel: 3
1.0
0.5
0.0
−0.5
−1.0
0
200
400
600
800
1000
1200

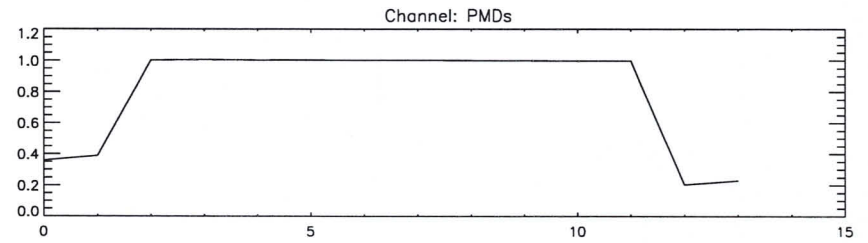

Channel: 4
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200

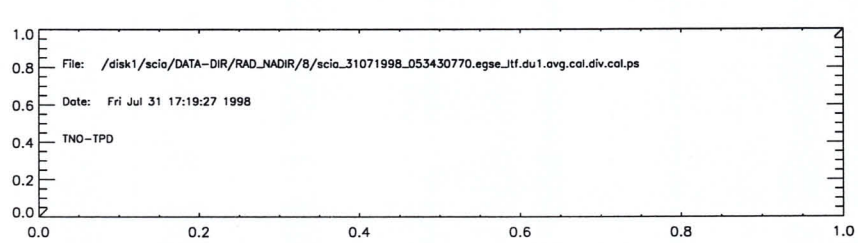

Channel: 5
0.50
0.40
0.30
0.20
0.10
0.00
0
200
400
600
800
1000
1200


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


Channel: 7
2.0
1.5
1.0
0.5
0.0
0
200
400
600
800
1000
1200


Channel: 8
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
200
400
600
800
1000
1200


Channel: PMDs
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/RAD_NADIR/8/scia_31071998_053430770.egse_itf.du1.avg.cal.div.cal.ps
Date: Fri Jul 31 17:19:27 1998
TNO-TPD
0.0
0.2
0.4
0.6
0.8
1.0

```
#! /bin/sh
mv f0 211y0040.doc
mv f1 WS_FTP.LOG
mv f2 dapbchklog
mv f3 dapbseqlog
mv f4 egse.inf
mv f5 gemsmpara.dat
mv f6 hk_ccb.dat
mv f7 scia_30071998_011029589.dat
mv f8 scia_30071998_011029589.egse_ltf
mv f9 scia_30071998_011029589.egse_ltf.du1.avg.cal
mv f10 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal
mv f11 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log
mv f12 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.ps
mv f13 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.ps.log
mv f14 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal
mv f15 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f16 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log
mv f17 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps
mv f18 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f19 scia_30071998_011029589.egse_ltf.du1.avg.cal.ps
mv f20 scia_30071998_011029589.egse_ltf.du1.log
mv f21 scia_30071998_011029589.egse_ltf.du1.rel_std.cal
mv f22 scia_30071998_011029589.egse_ltf.du1.rel_std.cal.ps
mv f23 scia_30071998_011029589.egse_ltf.du1.std.cal
mv f24 scia_30071998_011029589.egse_ltf.du1.std.cal.ps
mv f25 scia_30071998_011029589.egse_ltf.ru1.avg.cal
mv f26 scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps
mv f27 scia_30071998_011029589.egse_ltf.ru1.log
mv f28 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal
mv f29 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps
mv f30 scia_30071998_011029589.egse_ltf.ru1.std.cal
mv f31 scia_30071998_011029589.egse_ltf.ru1.std.cal.ps
mv f32 scia_30071998_011029589.egse_ltf.startofatp:gen_nadir.log
```

GNI
RAD-NADIR/1

```
#! /bin/sh
mv 211y0040.doc f0
mv WS_FTP.LOG f1
mv dapbchklog f2
mv dapbseqlog f3
mv egse.inf f4
mv gemsmpara.dat f5
mv hk_ccb.dat f6
mv scia_30071998_011029589.dat f7
mv scia_30071998_011029589.egse_ltf f8
mv scia_30071998_011029589.egse_ltf.du1.avg.cal f9
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal f10
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log f11
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.ps f12
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.ps.log f13
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal f14
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata f15
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log f16
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps f17
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps.log f18
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.ps f19
mv scia_30071998_011029589.egse_ltf.du1.log f20
mv scia_30071998_011029589.egse_ltf.du1.rel_std.cal f21
mv scia_30071998_011029589.egse_ltf.du1.rel_std.cal.ps f22
mv scia_30071998_011029589.egse_ltf.du1.std.cal f23
mv scia_30071998_011029589.egse_ltf.du1.std.cal.ps f24
mv scia_30071998_011029589.egse_ltf.ru1.avg.cal f25
mv scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps f26
mv scia_30071998_011029589.egse_ltf.ru1.log f27
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.cal f28
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps f29
mv scia_30071998_011029589.egse_ltf.ru1.std.cal f30
mv scia_30071998_011029589.egse_ltf.ru1.std.cal.ps f31
mv scia_30071998_011029589.egse_ltf.startofatp:gen_nadir.log f32
```

RAD- NADIR / 2

```
#! /bin/sh
mv WS_FTP.LOG f0
mv dapbchklog f1
mv dapbseqlog f2
mv egse.inf f3
mv gemsmpara.dat f4
mv hk_ccb.dat f5
mv scia_30071998_030332936.dat f6
mv scia_30071998_030332936.egse_ltf f7
mv scia_30071998_030332936.egse_ltf.du1.avg.cal f8
mv scia_30071998_030332936.egse_ltf.du1.avg.cal.ps f9
mv scia_30071998_030332936.egse_ltf.du1.log f10
mv scia_30071998_030332936.egse_ltf.du1.rel_std.cal f11
mv scia_30071998_030332936.egse_ltf.du1.rel_std.cal.ps f12
mv scia_30071998_030332936.egse_ltf.du1.std.cal f13
mv scia_30071998_030332936.egse_ltf.du1.std.cal.ps f14
mv scia_30071998_030332936.egse_ltf.ru1.avg.cal f15
mv scia_30071998_030332936.egse_ltf.ru1.avg.cal.ps f16
mv scia_30071998_030332936.egse_ltf.ru1.log f17
mv scia_30071998_030332936.egse_ltf.ru1.rel_std.cal f18
mv scia_30071998_030332936.egse_ltf.ru1.rel_std.cal.ps f19
mv scia_30071998_030332936.egse_ltf.ru1.std.cal f20
mv scia_30071998_030332936.egse_ltf.ru1.std.cal.ps f21
mv scia_30071998_030332936.egse_ltf.startofatp:gen_ndf_nadir.log f22
```

RAD-NADIR / 2

```
#! /bin/sh
mv f0 WS_FTP.LOG
mv f1 dapbchklog
mv f2 dapbseqlog
mv f3 egse.inf
mv f4 gemsmpara.dat
mv f5 hk_ccb.dat
mv f6 scia_30071998_030332936.dat
mv f7 scia_30071998_030332936.egse_ltf
mv f8 scia_30071998_030332936.egse_ltf.du1.avg.cal
mv f9 scia_30071998_030332936.egse_ltf.du1.avg.cal.ps
mv f10 scia_30071998_030332936.egse_ltf.du1.log
mv f11 scia_30071998_030332936.egse_ltf.du1.rel_std.cal
mv f12 scia_30071998_030332936.egse_ltf.du1.rel_std.cal.ps
mv f13 scia_30071998_030332936.egse_ltf.du1.std.cal
mv f14 scia_30071998_030332936.egse_ltf.du1.std.cal.ps
mv f15 scia_30071998_030332936.egse_ltf.ru1.avg.cal
mv f16 scia_30071998_030332936.egse_ltf.ru1.avg.cal.ps
mv f17 scia_30071998_030332936.egse_ltf.ru1.log
mv f18 scia_30071998_030332936.egse_ltf.ru1.rel_std.cal
mv f19 scia_30071998_030332936.egse_ltf.ru1.rel_std.cal.ps
mv f20 scia_30071998_030332936.egse_ltf.ru1.std.cal
mv f21 scia_30071998_030332936.egse_ltf.ru1.std.cal.ps
mv f22 scia_30071998_030332936.egse_ltf.startofatp:gen_ndf_nadir.log
```

RAD-NADIR/3

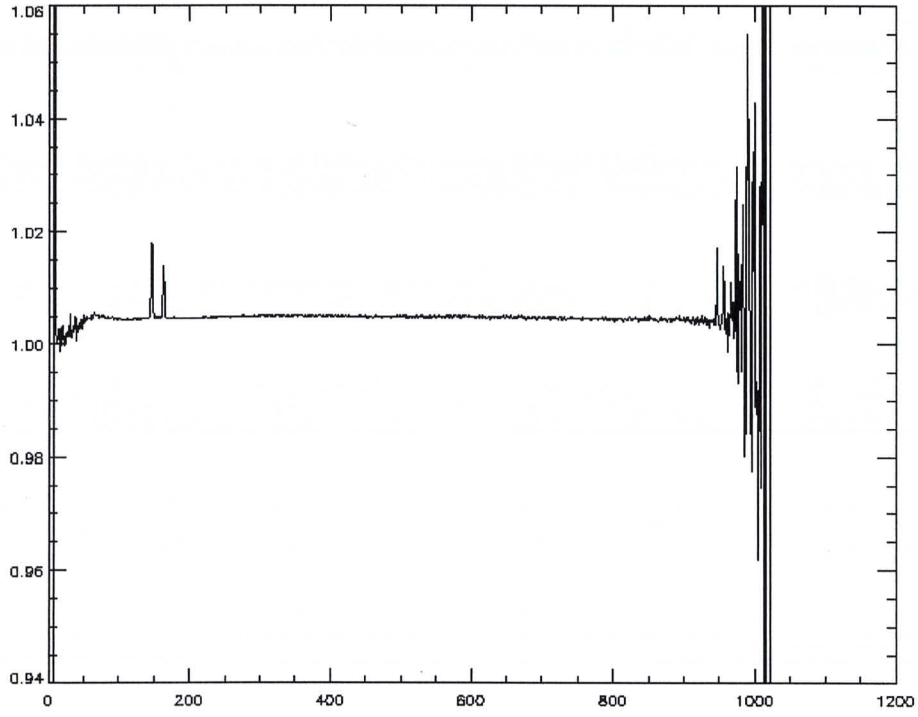
```
#! /bin/sh
mv f0 211y1100.doc
mv f1 211y1102.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_112434438.dat
mv f9 scia_30071998_112434438.egse_ltf
mv f10 scia_30071998_112434438.egse_ltf.du1.avg.cal
mv f11 scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal
mv f12 scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.log
mv f13 scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.ps
mv f14 scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.ps.log
mv f15 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal
mv f16 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.log
mv f17 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps
mv f18 scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f19 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal
mv f20 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f21 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.log
mv f22 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps
mv f23 scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f24 scia_30071998_112434438.egse_ltf.du1.avg.cal.ps
mv f25 scia_30071998_112434438.egse_ltf.du1.log
mv f26 scia_30071998_112434438.egse_ltf.du1.rel_std.cal
mv f27 scia_30071998_112434438.egse_ltf.du1.rel_std.cal.ps
mv f28 scia_30071998_112434438.egse_ltf.du1.std.cal
mv f29 scia_30071998_112434438.egse_ltf.du1.std.cal.ps
mv f30 scia_30071998_112434438.egse_ltf.ru1.avg.cal
mv f31 scia_30071998_112434438.egse_ltf.ru1.avg.cal.ps
mv f32 scia_30071998_112434438.egse_ltf.ru1.log
mv f33 scia_30071998_112434438.egse_ltf.ru1.rel_std.cal
mv f34 scia_30071998_112434438.egse_ltf.ru1.rel_std.cal.ps
mv f35 scia_30071998_112434438.egse_ltf.ru1.std.cal
mv f36 scia_30071998_112434438.egse_ltf.ru1.std.cal.ps
mv f37 scia_30071998_112434438.egse_ltf.startofatp:gen_nadir.log
```

RAD-NADIR /3

```
#! /bin/sh
mv 211y1100.doc f0
mv 211y1102.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_112434438.dat f8
mv scia_30071998_112434438.egse_ltf f9
mv scia_30071998_112434438.egse_ltf.du1.avg.cal f10
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal f11
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.log f12
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.ps f13
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.div.cal.ps.log f14
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal f15
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.log f16
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps f17
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p1.cal.ps.log f18
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal f19
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.keydata f20
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.log f21
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps f22
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.p2.cal.ps.log f23
mv scia_30071998_112434438.egse_ltf.du1.avg.cal.ps f24
mv scia_30071998_112434438.egse_ltf.du1.log f25
mv scia_30071998_112434438.egse_ltf.du1.rel_std.cal f26
mv scia_30071998_112434438.egse_ltf.du1.rel_std.cal.ps f27
mv scia_30071998_112434438.egse_ltf.du1.std.cal f28
mv scia_30071998_112434438.egse_ltf.du1.std.cal.ps f29
mv scia_30071998_112434438.egse_ltf.ru1.avg.cal f30
mv scia_30071998_112434438.egse_ltf.ru1.avg.cal.ps f31
mv scia_30071998_112434438.egse_ltf.ru1.log f32
mv scia_30071998_112434438.egse_ltf.ru1.rel_std.cal f33
mv scia_30071998_112434438.egse_ltf.ru1.rel_std.cal.ps f34
mv scia_30071998_112434438.egse_ltf.ru1.std.cal f35
mv scia_30071998_112434438.egse_ltf.ru1.std.cal.ps f36
mv scia_30071998_112434438.egse_ltf.startofatp:gen_nadir.log f37
```

RAD NADIR 3

3/1



channel 2

RAD-NADIR) 4

```
#! /bin/sh
mv f0 211y0040.doc
mv f1 211y0140.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_011029589.dat
mv f9 scia_30071998_011029589.egse_ltf
mv f10 scia_30071998_011029589.egse_ltf.du1.avg.cal
mv f11 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal
mv f12 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log
mv f13 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps
mv f14 scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f15 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal
mv f16 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f17 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log
mv f18 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps
mv f19 scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f20 scia_30071998_011029589.egse_ltf.du1.avg.cal.ps
mv f21 scia_30071998_011029589.egse_ltf.du1.log
mv f22 scia_30071998_011029589.egse_ltf.du1.rel_std.cal
mv f23 scia_30071998_011029589.egse_ltf.du1.rel_std.cal.ps
mv f24 scia_30071998_011029589.egse_ltf.du1.std.cal
mv f25 scia_30071998_011029589.egse_ltf.du1.std.cal.ps
mv f26 scia_30071998_011029589.egse_ltf.ru1.avg.cal
mv f27 scia_30071998_011029589.egse_ltf.ru1.avg.cal.ps
mv f28 scia_30071998_011029589.egse_ltf.ru1.log
mv f29 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal
mv f30 scia_30071998_011029589.egse_ltf.ru1.rel_std.cal.ps
mv f31 scia_30071998_011029589.egse_ltf.ru1.std.cal
mv f32 scia_30071998_011029589.egse_ltf.ru1.std.cal.ps
mv f33 scia_30071998_011029589.egse_ltf.startofatp:gen_nadir.log
```

RAD-NADIR/4

```
#! /bin/sh
mv 211y0040.doc f0
mv 211y0140.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_011029589.dat f8
mv scia_30071998_011029589.egse_ltf f9
mv scia_30071998_011029589.egse_ltf.du1.avg.cal f10
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal f11
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.log f12
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps f13
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p1.cal.ps.log f14
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal f15
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.keydata f16
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.log f17
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.p2.cal.ps f18
mv scia_30071998_011029589.egse_ltf.du1.avg.cal.ps f20 f19
r   scia_30071998_011029589.egse_ltf.du1.[illegible] f21
mv scia_30071998_011029589.egse_ltf.du1.[illegible]std.cal f22
mv scia_30071998_011029589.egse_ltf.du1.[illegible]std.cal.ps f23
mv scia_30071998_011029589.egse_ltf.du1.std.[illegible]al f24
mv scia_30071998_011029589.egse_ltf.du1.std.[illegible]l.ps f25
mv scia_30071998_011029589.egse_ltf.ru1.avg.[illegible] f26
mv scia_30071998_011029589.egse_ltf.ru1.avg.[illegible] f27
mv scia_30071998_011029589.egse_ltf.ru1.log [illegible]
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.[illegible]al f29
mv scia_30071998_011029589.egse_ltf.ru1.rel_std.[illegible].ps f30
mv scia_30071998_011029589.egse_ltf.ru1.std.cal f31
mv scia_30071998_011029589.egse_ltf.ru1.std.cal.ps f32
mv scia_30071998_011029589.egse_ltf.startofatp:[illegible]_nadir.log f33
```

RAD- NADIR -5
RAD-NADIR -5

```
#! /bin/sh
mv f0 211y1232.doc
mv f1 212y0028.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_235959721.dat
mv f9 scia_30071998_235959721.egse_ltf
mv f10 scia_30071998_235959721.egse_ltf.du1.avg.cal
mv f11 scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal
mv f12 scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.log
mv f13 scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.ps
mv f14 scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.ps.log
mv f15 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal
mv f16 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.log
mv f17 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps
mv f18 scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f19 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal
mv f20 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.keydata
ı  f21 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.log
mv f22 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps
mv f23 scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f24 scia_30071998_235959721.egse_ltf.du1.avg.cal.ps
mv f25 scia_30071998_235959721.egse_ltf.du1.log
mv f26 scia_30071998_235959721.egse_ltf.du1.rel_std.cal
mv f27 scia_30071998_235959721.egse_ltf.du1.rel_std.cal.ps
mv f28 scia_30071998_235959721.egse_ltf.du1.std.cal
mv f29 scia_30071998_235959721.egse_ltf.du1.std.cal.ps
mv f30 scia_30071998_235959721.egse_ltf.ru1.avg.cal
mv f31 scia_30071998_235959721.egse_ltf.ru1.avg.cal.ps
mv f32 scia_30071998_235959721.egse_ltf.ru1.log
mv f33 scia_30071998_235959721.egse_ltf.ru1.rel_std.cal
mv f34 scia_30071998_235959721.egse_ltf.ru1.rel_std.cal.ps
mv f35 scia_30071998_235959721.egse_ltf.ru1.std.cal
mv f36 scia_30071998_235959721.egse_ltf.ru1.std.cal.ps
mv f37 scia_30071998_235959721.egse_ltf.startofatp:gen_nadir.log
```

RAD-NADIR5

```
#! /bin/sh
mv 211y1232.doc f0
mv 212y0028.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_235959721.dat f8
mv scia_30071998_235959721.egse_ltf f9
mv scia_30071998_235959721.egse_ltf.du1.avg.cal f10
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal f11
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.log f12
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.ps f13
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.div.cal.ps.log f14
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal f15
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.log f16
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps f17
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p1.cal.ps.log f18
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal f19
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.keydata f20
t  scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.log f21
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps f22
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.p2.cal.ps.log f23
mv scia_30071998_235959721.egse_ltf.du1.avg.cal.ps f24
mv scia_30071998_235959721.egse_ltf.du1.log f25
mv scia_30071998_235959721.egse_ltf.du1.rel_std.cal f26
mv scia_30071998_235959721.egse_ltf.du1.rel_std.cal.ps f27
mv scia_30071998_235959721.egse_ltf.du1.std.cal f28
mv scia_30071998_235959721.egse_ltf.du1.std.cal.ps f29
mv scia_30071998_235959721.egse_ltf.ru1.avg.cal f30
mv scia_30071998_235959721.egse_ltf.ru1.avg.cal.ps f31
mv scia_30071998_235959721.egse_ltf.ru1.log f32
mv scia_30071998_235959721.egse_ltf.ru1.rel_std.cal f33
mv scia_30071998_235959721.egse_ltf.ru1.rel_std.cal.ps f34
mv scia_30071998_235959721.egse_ltf.ru1.std.cal f35
mv scia_30071998_235959721.egse_ltf.ru1.std.cal.ps f36
mv scia_30071998_235959721.egse_ltf.startofatp:gen_nadir.log f37
```

ROD-NADIR/6

```
#! /bin/sh
mv f0 211Y1151.XLS
mv f1 211y1154.doc
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_30071998_115903660.dat
```

RAD-NADIR/6

```
#! /bin/sh
mv 211Y1151.XLS f0
mv 211y1154.doc f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_30071998_115903660.dat f8
```

Gen_Nadir ~~Test~~ 1

RAD-NADIR/1
RC

```
#! /bin/sh
mv 212y0104.doc f0
mv 212y0153.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_012659572.dat f8
mv scia_31071998_012659572.egse_ltf f9
mv scia_31071998_012659572.egse_ltf.du1.avg.cal f10
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal f11
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.log f12
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.ps f13
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.ps.log f14
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal f15
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.log f16
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps f17
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps.log f18
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal f19
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.keydata f20
1   scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.log f21
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps f22
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps.log f23
mv scia_31071998_012659572.egse_ltf.du1.avg.cal.ps f24
mv scia_31071998_012659572.egse_ltf.du1.log f25
mv scia_31071998_012659572.egse_ltf.du1.rel_std.cal f26
mv scia_31071998_012659572.egse_ltf.du1.rel_std.cal.ps f27
mv scia_31071998_012659572.egse_ltf.du1.std.cal f28
mv scia_31071998_012659572.egse_ltf.du1.std.cal.ps f29
mv scia_31071998_012659572.egse_ltf.ru1.avg.cal f30
mv scia_31071998_012659572.egse_ltf.ru1.avg.cal.ps f31
mv scia_31071998_012659572.egse_ltf.ru1.log f32
mv scia_31071998_012659572.egse_ltf.ru1.rel_std.cal f33
mv scia_31071998_012659572.egse_ltf.ru1.rel_std.cal.ps f34
mv scia_31071998_012659572.egse_ltf.ru1.std.cal f35
mv scia_31071998_012659572.egse_ltf.ru1.std.cal.ps f36
```

Gen - Nadir ~~Data~~ 7

RAD-NADIR/7

```
#! /bin/sh
mv f0 212y0104.doc
mv f1 212y0153.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_31071998_012659572.dat
mv f9 scia_31071998_012659572.egse_ltf
mv f10 scia_31071998_012659572.egse_ltf.du1.avg.cal
mv f11 scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal
mv f12 scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.log
mv f13 scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.ps
mv f14 scia_31071998_012659572.egse_ltf.du1.avg.cal.div.cal.ps.log
mv f15 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal
mv f16 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.log
mv f17 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps
mv f18 scia_31071998_012659572.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f19 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal
mv f20 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.keydata
r   f21 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.log
mv f22 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps
mv f23 scia_31071998_012659572.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f24 scia_31071998_012659572.egse_ltf.du1.avg.cal.ps
mv f25 scia_31071998_012659572.egse_ltf.du1.log
mv f26 scia_31071998_012659572.egse_ltf.du1.rel_std.cal
mv f27 scia_31071998_012659572.egse_ltf.du1.rel_std.cal.ps
mv f28 scia_31071998_012659572.egse_ltf.du1.std.cal
mv f29 scia_31071998_012659572.egse_ltf.du1.std.cal.ps
mv f30 scia_31071998_012659572.egse_ltf.ru1.avg.cal
mv f31 scia_31071998_012659572.egse_ltf.ru1.avg.cal.ps
mv f32 scia_31071998_012659572.egse_ltf.ru1.log
mv f33 scia_31071998_012659572.egse_ltf.ru1.rel_std.cal
mv f34 scia_31071998_012659572.egse_ltf.ru1.rel_std.cal.ps
mv f35 scia_31071998_012659572.egse_ltf.ru1.std.cal
mv f36 scia_31071998_012659572.egse_ltf.ru1.std.cal.ps
```

RAD-NADIR / 8

```
#! /bin/sh
mv f0 212y0521.doc
mv f1 212y0601.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_31071998_053430770.dat
mv f9 scia_31071998_053430770.egse_ltf
mv f10 scia_31071998_053430770.egse_ltf.du1.avg.cal
mv f11 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal
mv f12 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.log
mv f13 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps
mv f14 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps.log
mv f15 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal
mv f16 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.log
mv f17 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps
mv f18 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f19 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal
mv f20 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.keydata
r  f21 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.log
mv f22 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps
mv f23 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f24 scia_31071998_053430770.egse_ltf.du1.avg.cal.ps
mv f25 scia_31071998_053430770.egse_ltf.du1.log
mv f26 scia_31071998_053430770.egse_ltf.du1.rel_std.cal
mv f27 scia_31071998_053430770.egse_ltf.du1.rel_std.cal.ps
mv f28 scia_31071998_053430770.egse_ltf.du1.std.cal
mv f29 scia_31071998_053430770.egse_ltf.du1.std.cal.ps
mv f30 scia_31071998_053430770.egse_ltf.ru1.avg.cal
mv f31 scia_31071998_053430770.egse_ltf.ru1.avg.cal.ps
mv f32 scia_31071998_053430770.egse_ltf.ru1.log
mv f33 scia_31071998_053430770.egse_ltf.ru1.rel_std.cal
mv f34 scia_31071998_053430770.egse_ltf.ru1.rel_std.cal.ps
mv f35 scia_31071998_053430770.egse_ltf.ru1.std.cal
mv f36 scia_31071998_053430770.egse_ltf.ru1.std.cal.ps
```

RAD-NADIR/8

```
#! /bin/sh
mv 212y0521.doc f0
mv 212y0601.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_053430770.dat f8
mv scia_31071998_053430770.egse_ltf f9
mv scia_31071998_053430770.egse_ltf.du1.avg.cal f10
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal f11
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.log f12
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps f13
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps.log f14
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal f15
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.log f16
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps f17
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps.log f18
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal f19
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.keydata f20
t  scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.log f21
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps f22
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps.log f23
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.ps f24
mv scia_31071998_053430770.egse_ltf.du1.log f25
mv scia_31071998_053430770.egse_ltf.du1.rel_std.cal f26
mv scia_31071998_053430770.egse_ltf.du1.rel_std.cal.ps f27
mv scia_31071998_053430770.egse_ltf.du1.std.cal f28
mv scia_31071998_053430770.egse_ltf.du1.std.cal.ps f29
mv scia_31071998_053430770.egse_ltf.ru1.avg.cal f30
mv scia_31071998_053430770.egse_ltf.ru1.avg.cal.ps f31
mv scia_31071998_053430770.egse_ltf.ru1.log f32
mv scia_31071998_053430770.egse_ltf.ru1.rel_std.cal f33
mv scia_31071998_053430770.egse_ltf.ru1.rel_std.cal.ps f34
mv scia_31071998_053430770.egse_ltf.ru1.std.cal f35
mv scia_31071998_053430770.egse_ltf.ru1.std.cal.ps f36
```

Rad_NADIR/8

```
#! /bin/sh
mv 212y0521.doc f0
mv 212y0601.xls f1
mv WS_FTP.LOG f2
mv dapbchklog f3
mv dapbseqlog f4
mv egse.inf f5
mv gemsmpara.dat f6
mv hk_ccb.dat f7
mv scia_31071998_053430770.dat f8
mv scia_31071998_053430770.egse_ltf f9
mv scia_31071998_053430770.egse_ltf.du1.avg.cal f10
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal f11
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.log f12
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps f13
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps.log f14
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal f15
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.log f16
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps f17
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps.log f18
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal f19
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.keydata f20
r   scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.log f21
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps f22
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps.log f23
mv scia_31071998_053430770.egse_ltf.du1.avg.cal.ps f24
mv scia_31071998_053430770.egse_ltf.du1.log f25
mv scia_31071998_053430770.egse_ltf.du1.rel_std.cal f26
mv scia_31071998_053430770.egse_ltf.du1.rel_std.cal.ps f27
mv scia_31071998_053430770.egse_ltf.du1.std.cal f28
mv scia_31071998_053430770.egse_ltf.du1.std.cal.ps f29
mv scia_31071998_053430770.egse_ltf.ru1.avg.cal f30
mv scia_31071998_053430770.egse_ltf.ru1.avg.cal.ps f31
mv scia_31071998_053430770.egse_ltf.ru1.log f32
mv scia_31071998_053430770.egse_ltf.ru1.rel_std.cal f33
mv scia_31071998_053430770.egse_ltf.ru1.rel_std.cal.ps f34
mv scia_31071998_053430770.egse_ltf.ru1.std.cal f35
mv scia_31071998_053430770.egse_ltf.ru1.std.cal.ps f36
```

```
#! /bin/sh
mv f0 212y0521.doc
mv f1 212y0601.xls
mv f2 WS_FTP.LOG
mv f3 dapbchklog
mv f4 dapbseqlog
mv f5 egse.inf
mv f6 gemsmpara.dat
mv f7 hk_ccb.dat
mv f8 scia_31071998_053430770.dat
mv f9 scia_31071998_053430770.egse_ltf
mv f10 scia_31071998_053430770.egse_ltf.du1.avg.cal
mv f11 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal
mv f12 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.log
mv f13 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps
mv f14 scia_31071998_053430770.egse_ltf.du1.avg.cal.div.cal.ps.log
mv f15 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal
mv f16 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.log
mv f17 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps
mv f18 scia_31071998_053430770.egse_ltf.du1.avg.cal.p1.cal.ps.log
mv f19 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal
mv f20 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.keydata
mv f21 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.log
mv f22 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps
mv f23 scia_31071998_053430770.egse_ltf.du1.avg.cal.p2.cal.ps.log
mv f24 scia_31071998_053430770.egse_ltf.du1.avg.cal.ps
mv f25 scia_31071998_053430770.egse_ltf.du1.log
mv f26 scia_31071998_053430770.egse_ltf.du1.rel_std.cal
mv f27 scia_31071998_053430770.egse_ltf.du1.rel_std.cal.ps
mv f28 scia_31071998_053430770.egse_ltf.du1.std.cal
mv f29 scia_31071998_053430770.egse_ltf.du1.std.cal.ps
mv f30 scia_31071998_053430770.egse_ltf.ru1.avg.cal
mv f31 scia_31071998_053430770.egse_ltf.ru1.avg.cal.ps
mv f32 scia_31071998_053430770.egse_ltf.ru1.log
mv f33 scia_31071998_053430770.egse_ltf.ru1.rel_std.cal
mv f34 scia_31071998_053430770.egse_ltf.ru1.rel_std.cal.ps
mv f35 scia_31071998_053430770.egse_ltf.ru1.std.cal
mv f36 scia_31071998_053430770.egse_ltf.ru1.std.cal.ps
```

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
1-8	Temperatures high values are not as required	
14:00 UTC	requested 216 216 233 232 230 212	
	actual 216.2 215.7 229.9 228.8 227.7 212.8	
	Δ +0.2 -0.3 -3.1 -3.2 -2.3 +0.8	
	requested 159 156	
	actual 159.5 156.3	
	Δ +0.5 +0.3	
	These are values with control heaters	
	CH1-6 at -67.8 CH7-8 at -128.9	
14:33	Set AU ~~to~~ from -67.8 to -63.2	
	after repeating UID 36 S2-7b	

picture IIGDETTMP.m1 not checked - no version given | support@ENV2MMI - IEGSE-SE V1.1 | Exec | Fri Jul 31 17:59:27 1998

System Control | Help

envisatTopPic | IIGDETTMP

Stimuli		
Config.	-1	
Lambda	-	nm
PPC	-	
Polar	-	deg
Shutter	-	
Acq.	-	
S/S	-	

Sun (Subsolar)

Nadir

Limb

Sun/ Moon

NCW: CLOSED

WLS: OFF | A 0.0 mA | B 0

SLS: OFF | -5.26 V | 0.0 mA

Azimuth Scanner: ACTIVE | 273160 | 45.000

Elevation Scanner: ACTIVE | 594194 | -45.000

Sun Sens: 0 0 / 0 0

IICAOPT

PMD: Det.Tmp -18.7 C | ElecTmp -17.8 C

Telescope

Spectrom.

Cover: UNLOCKED

Cover: UNLOCKED

Aperture Stop: LARGE

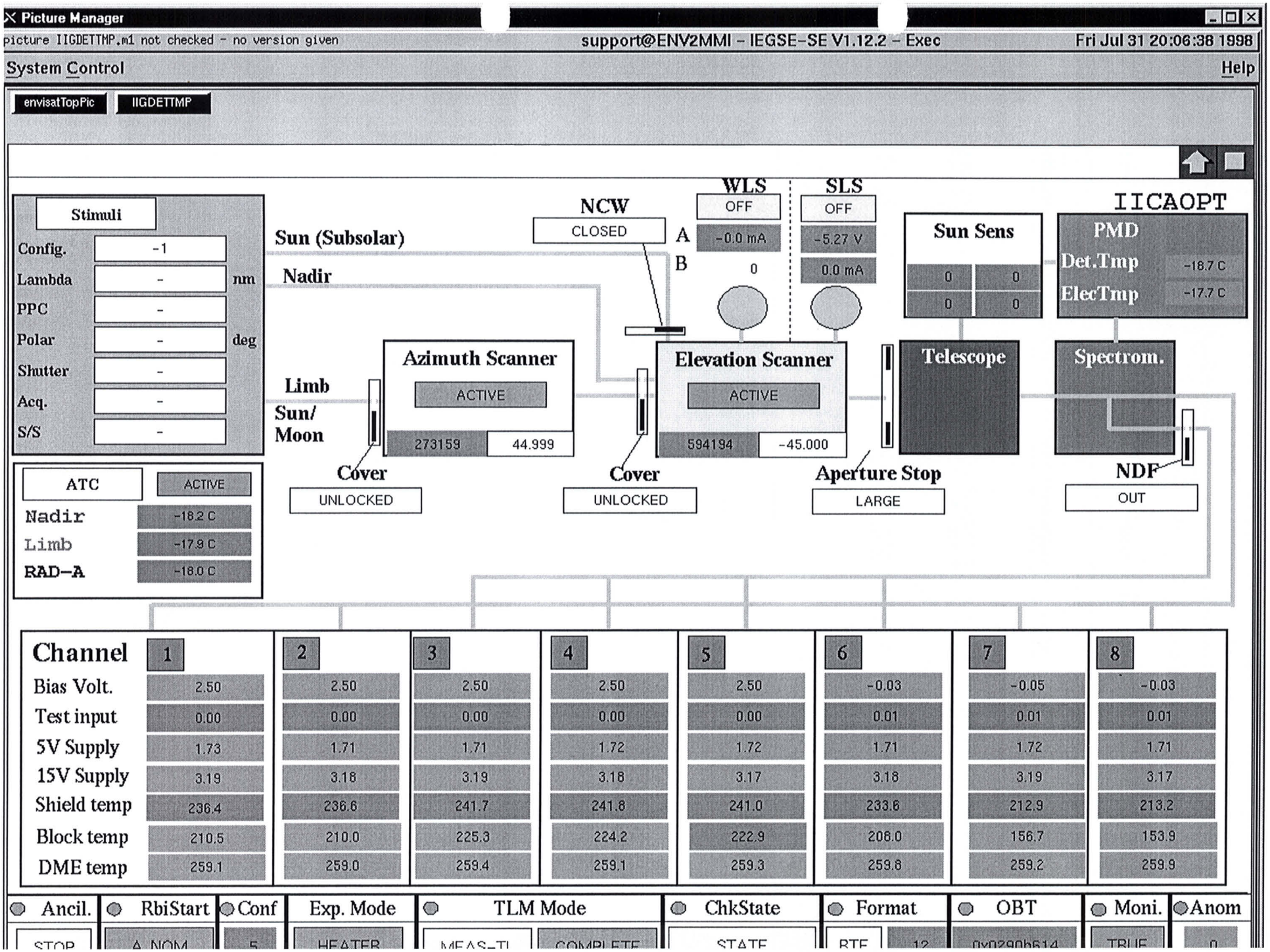
NDF: OUT

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	235.5	235.6	241.4	241.5	240.6	232.7	211.9	212.4
Block temp	208.4	208.0	224.2	223.0	221.6	206.5	154.1	151.8
DME temp	259.1	259.0	259.4	259.1	259.3	259.8	259.2	259.9

Ancil.	RbiStart	Conf	Exp. Mode	TLM Mode		ChkState	Format		OBT	Moni.	Anom
STOP	A, NOM	5	HEATER	MEAS-TL	COMPLETE	STATE	RTF	45	0x0272c617	TRUE	0

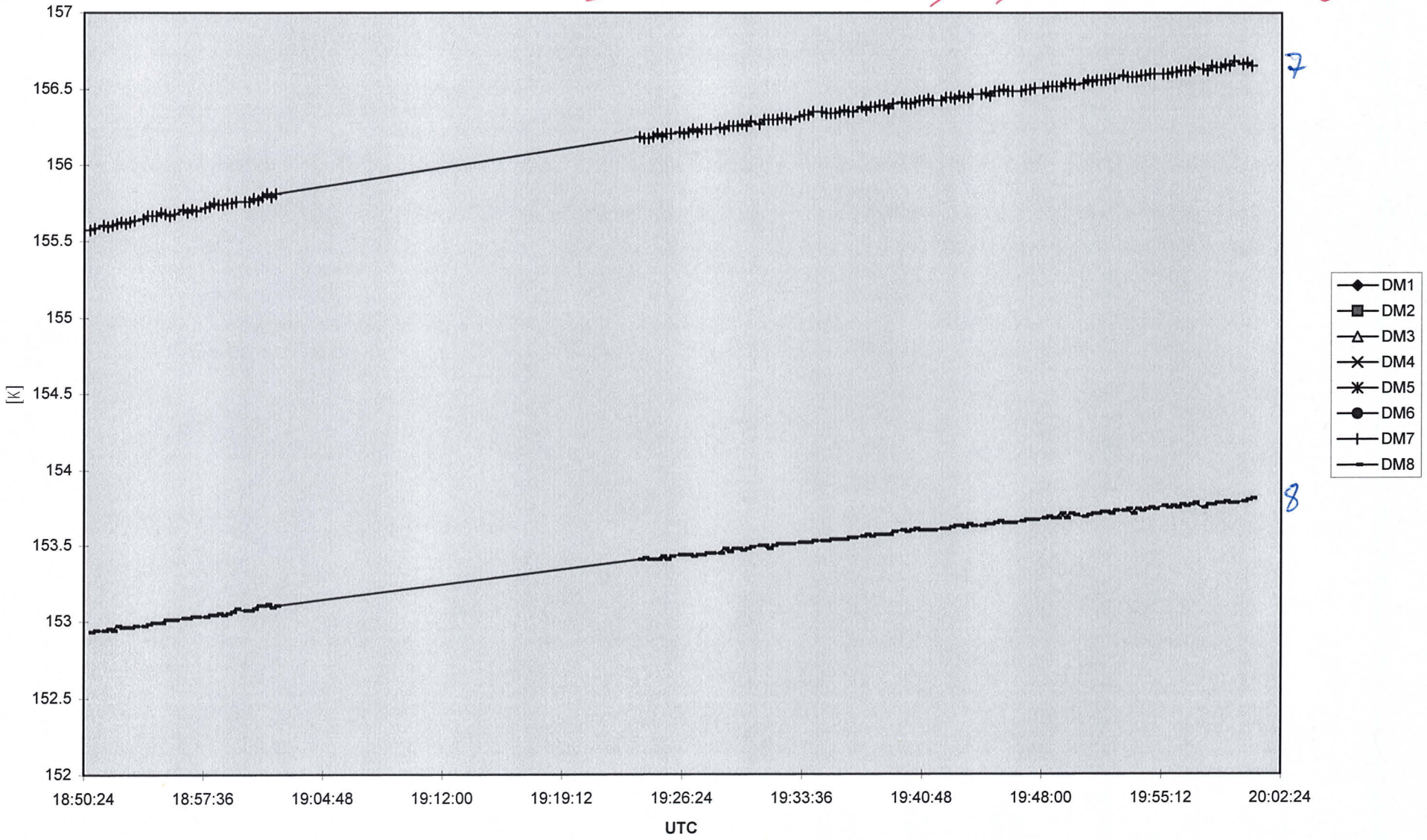
change DMU temperatures to high values
31-07-1998 18:02



310798
20:09
(UTC)

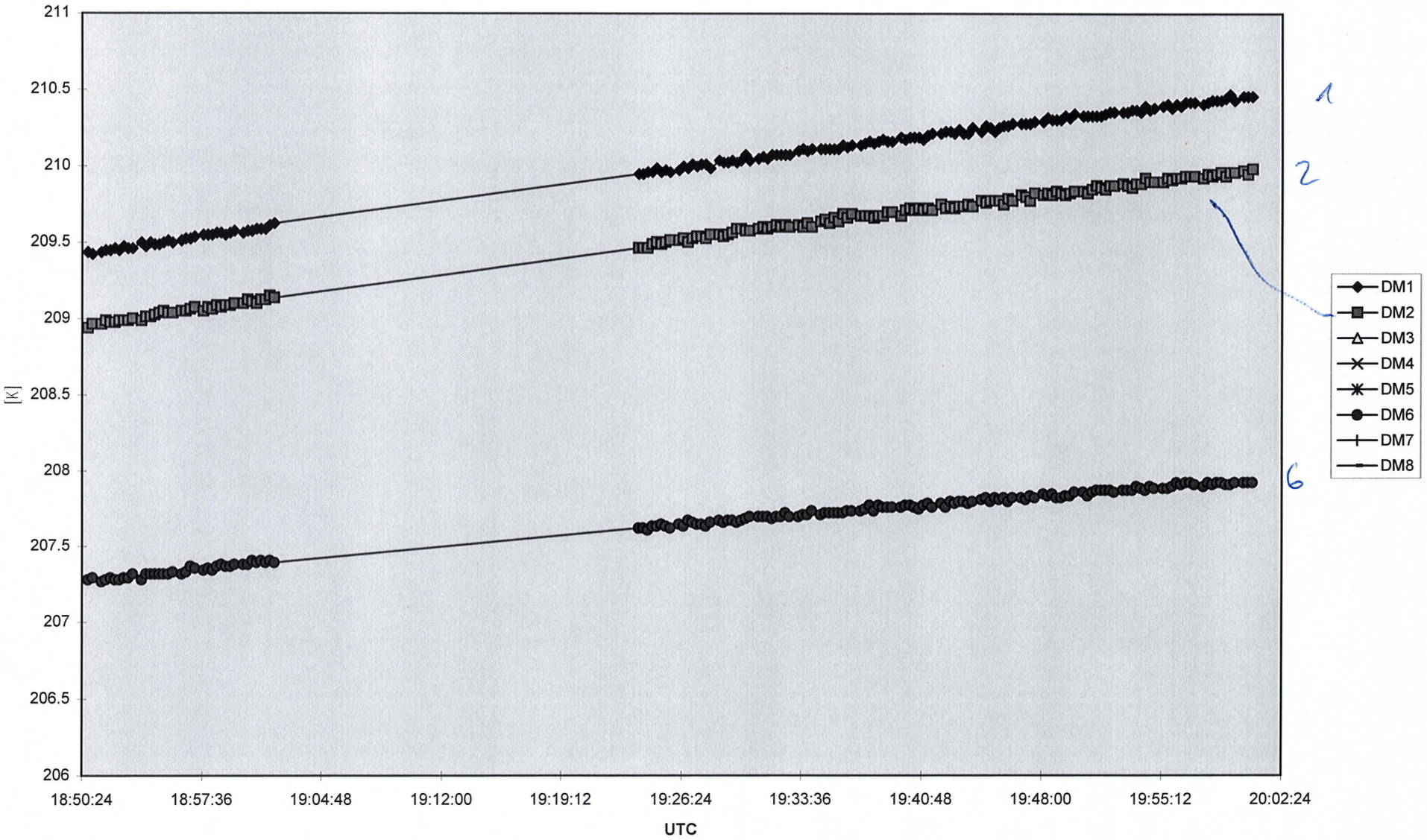
31-7-1998
C.M temperatures changing to high values
Started changing at 15:45

HK2CCB Chart 1



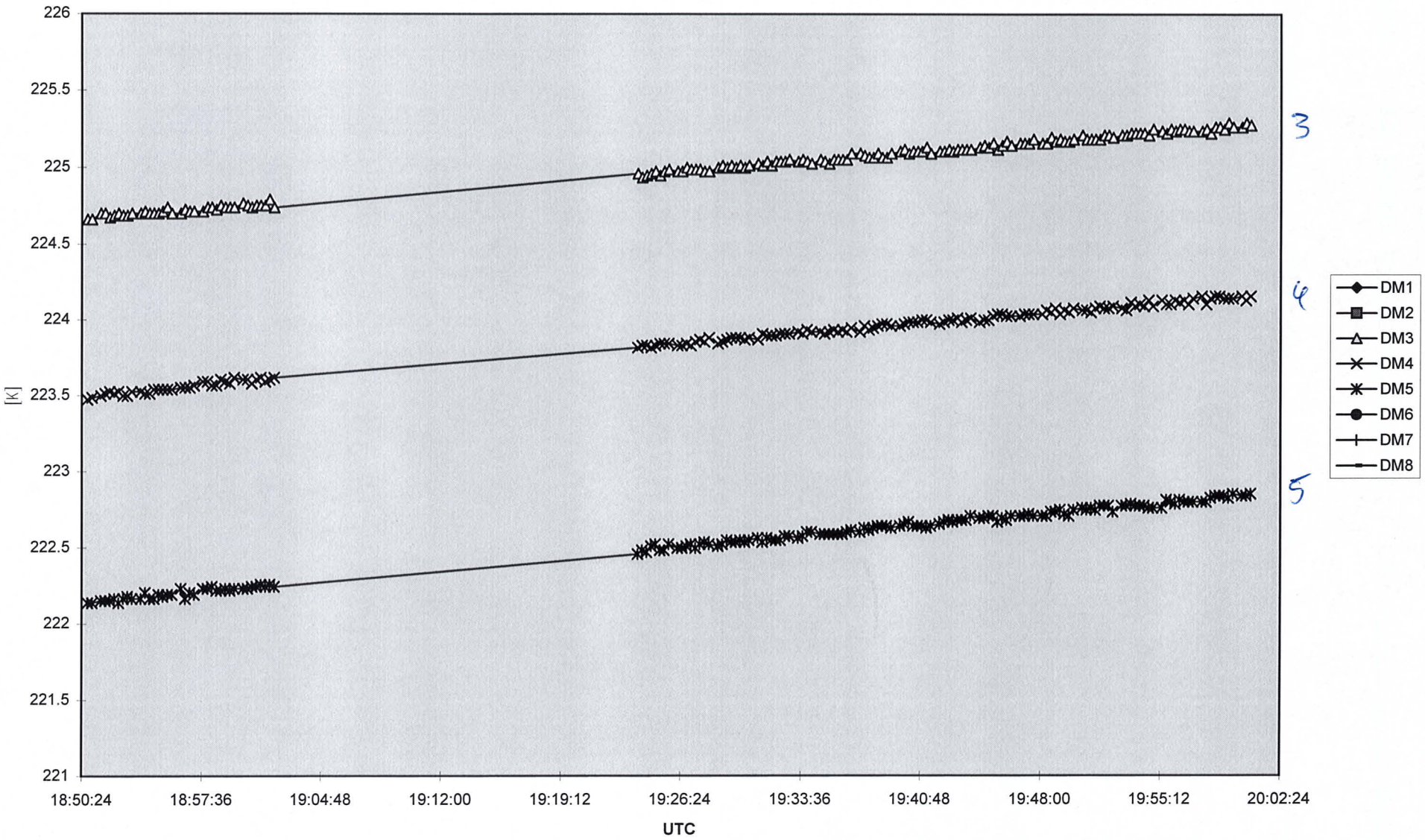
HK2CCB Chart 129

31 - 7 - 1998
DM temperatures changing



31-7-1998
DM temperatures changing

HK2CCB Chart 130



Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

date/time	description of action	measuremement filename
31-7	transfer from team 1 to team 3	
20:30		
	* finished analysis of 2.5	
	" " " 2.6	
	Ratio's seems ok	
	* I/I_0 in channel 6 radiance	
	* check channel 6 overlap with wls_int	

31-7 21:45	DM	actual value	goal value	diff actual − goal
	1	211,5	216	−4,5
	2	211,1	216	−4,9
	3	226,1	233	−6,9
	4	225,0	232	−7,0
	5	223,7	230	−6,3
	6	208,6	212	−3,4
	7	157,5	159	−2,5
	8	154,4	156	−1,6

DM's 1-6 will very probably not reach the goal value : AG increased by 4 degrees (from −71,8 to −67,8)

Pagenumber:

LOG SHEET SCIAMACHY CALIBRATION

	date/time	description of action	measuremement filename
	01-08-1998 00:00	changed heater setting AS from −129.9 → −128.9 (ch 7+8)	

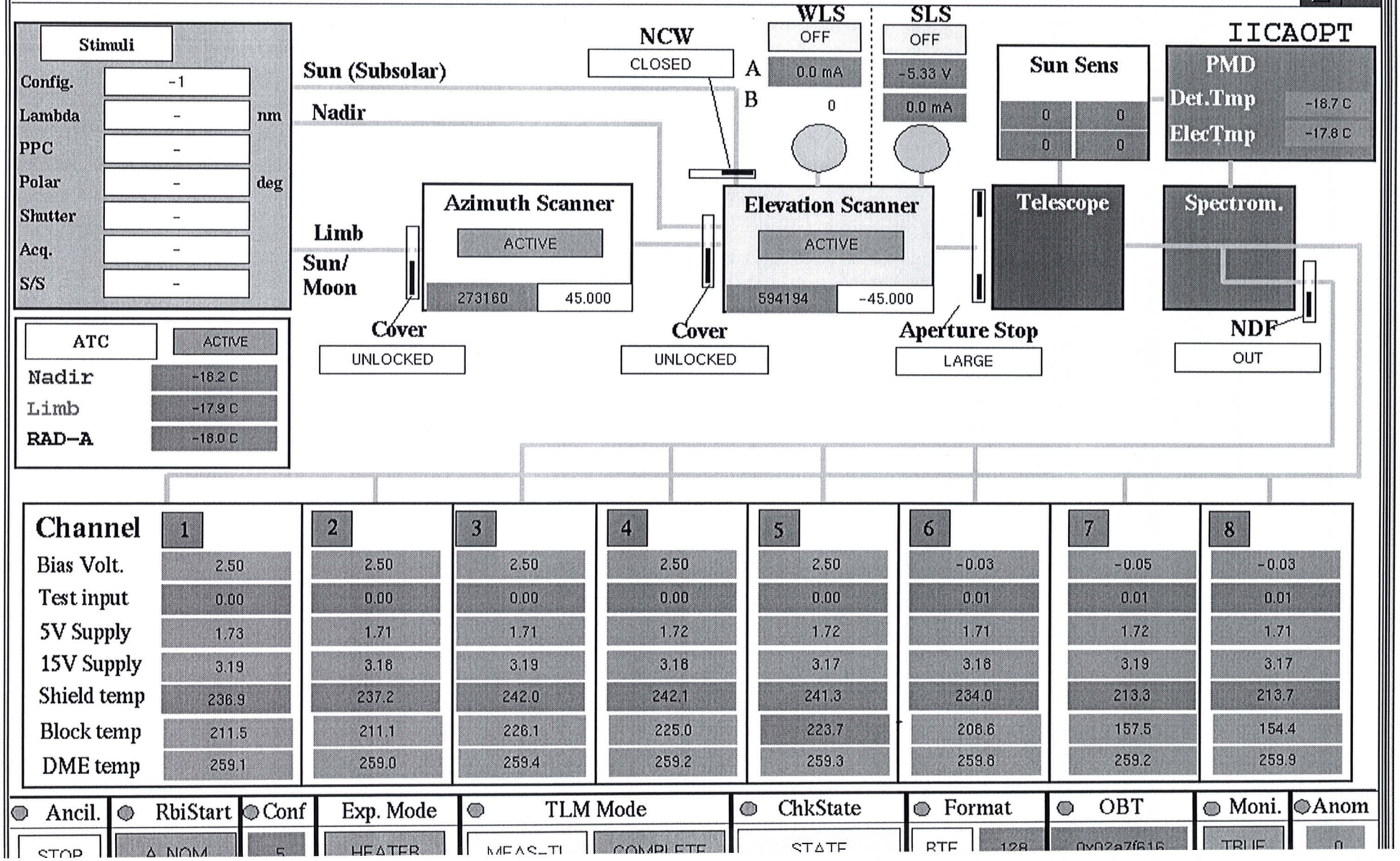
31-July 23:45 normal time

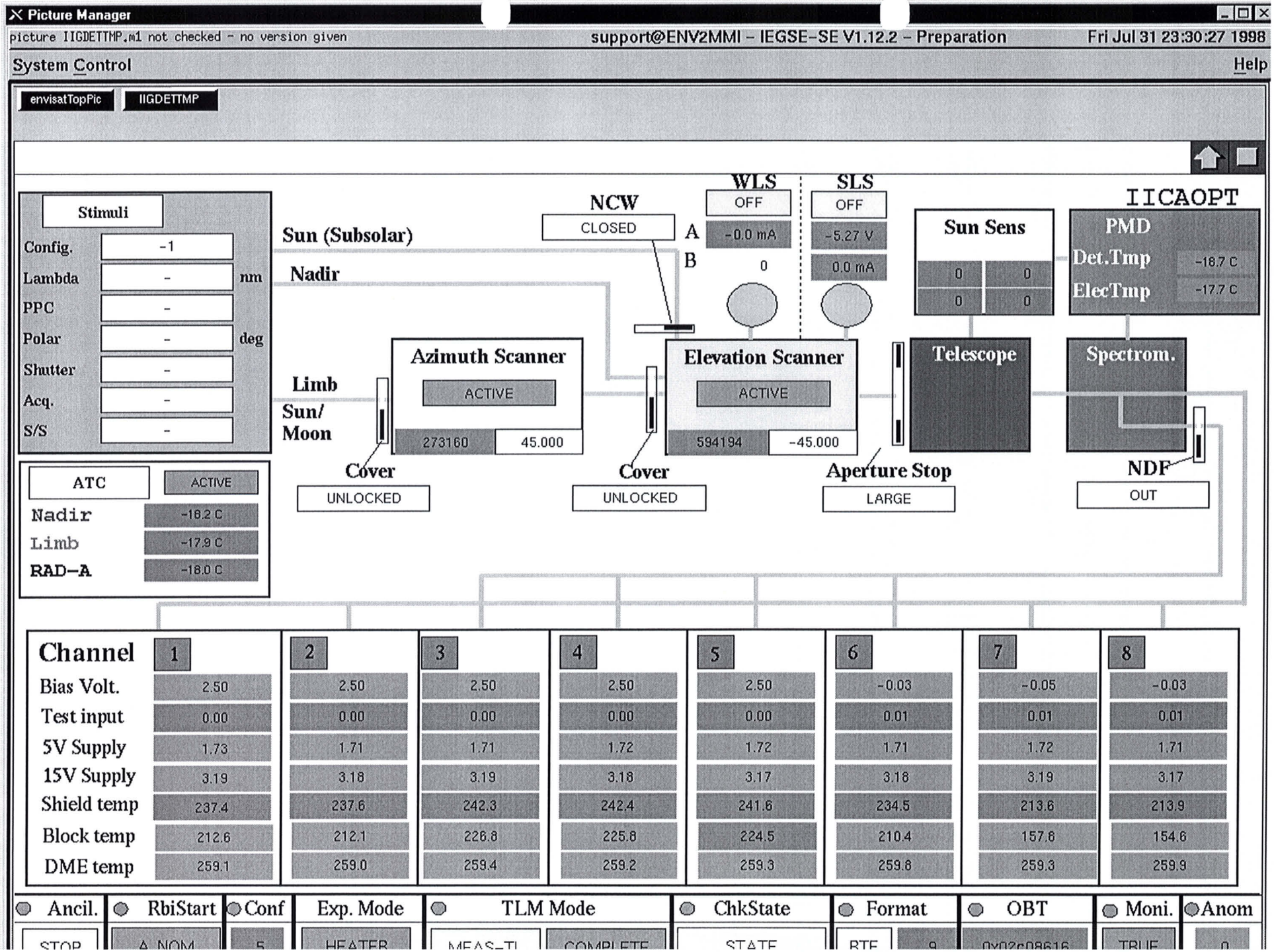
Picture Manager

picture IIGDETTMP.m1 not checked - no version given | support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation | Fri Jul 31 21:45:41 1998

System Control | Help

envisatTopPic | IIGDETTMP




Picture Manager
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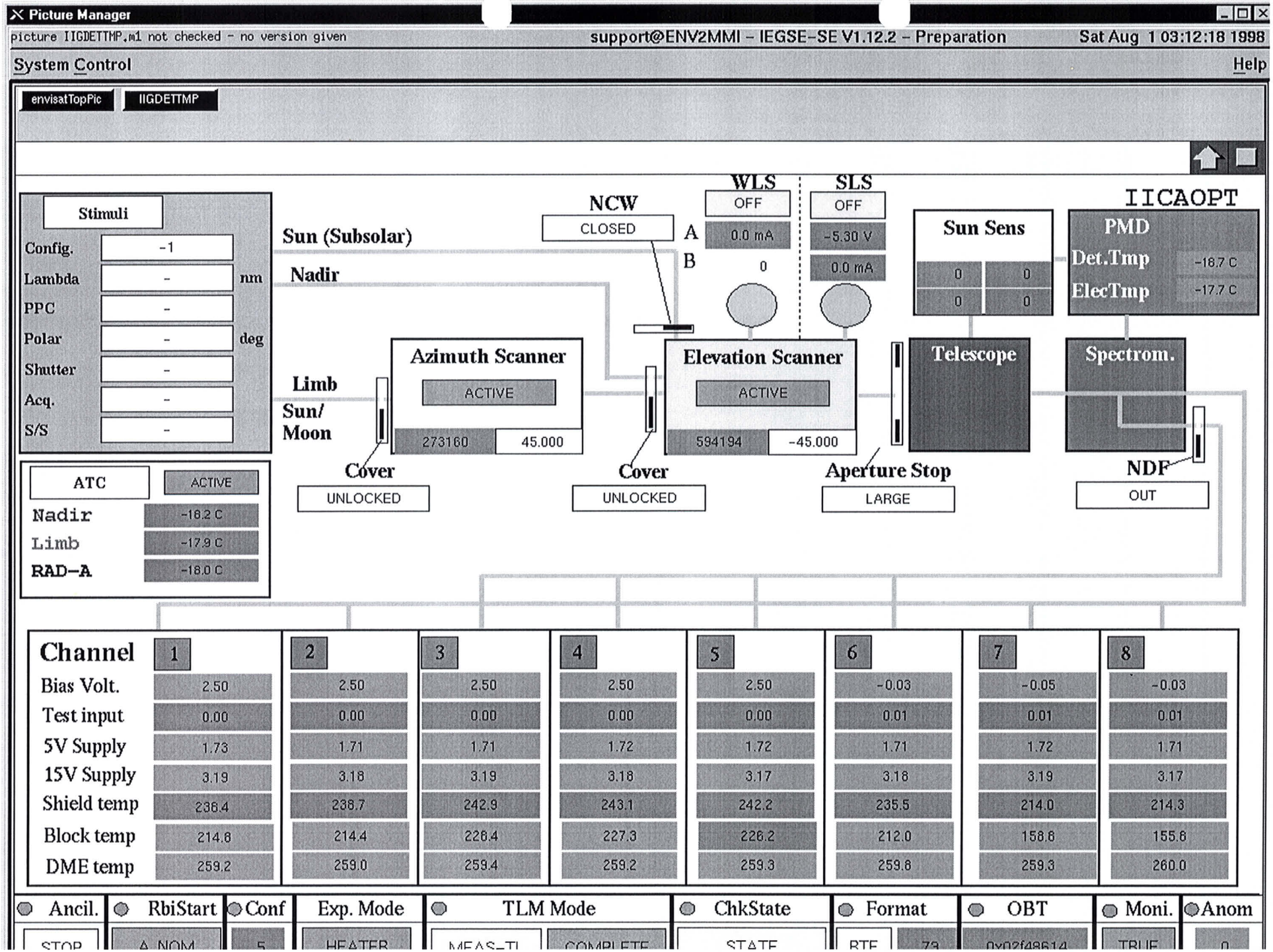
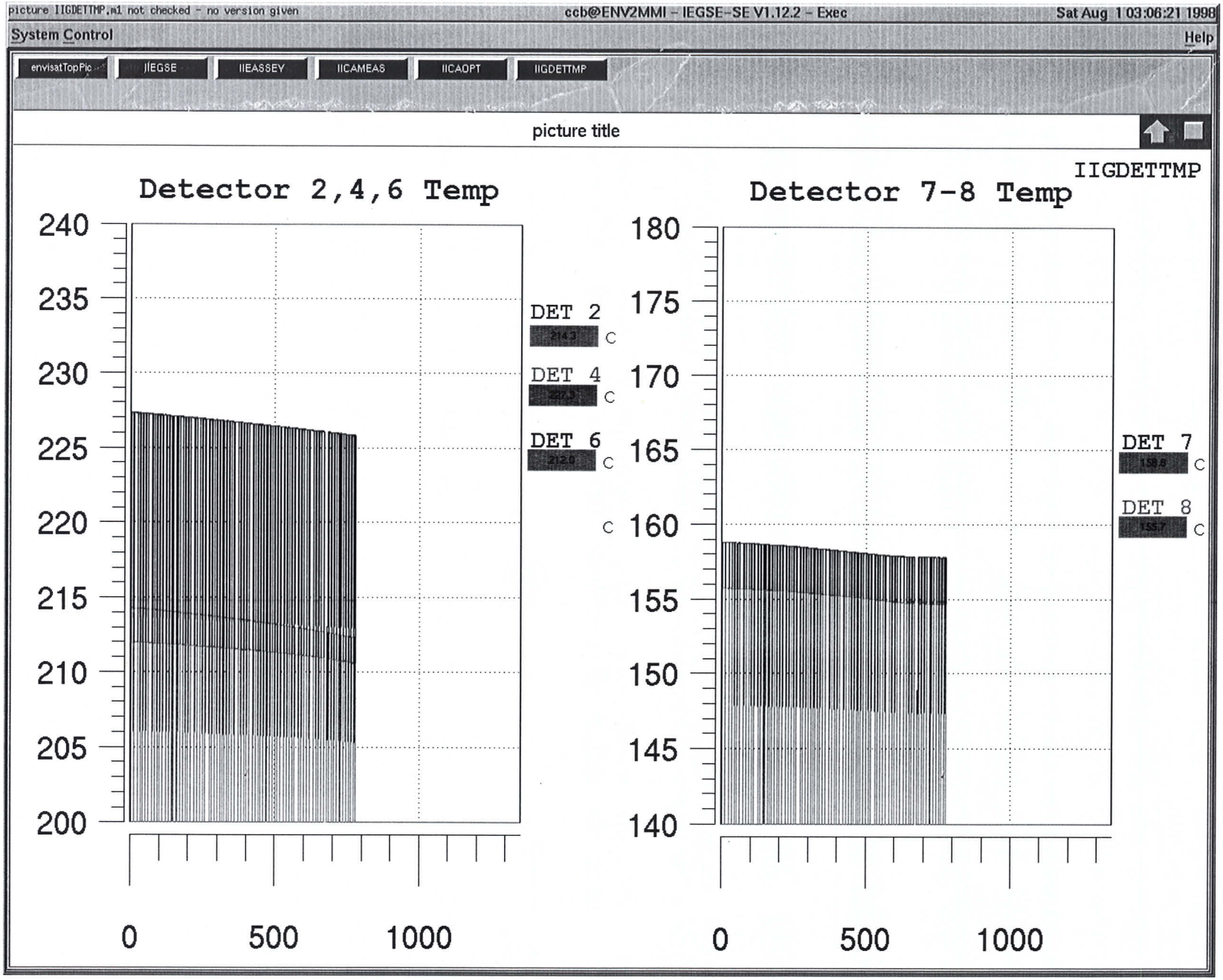
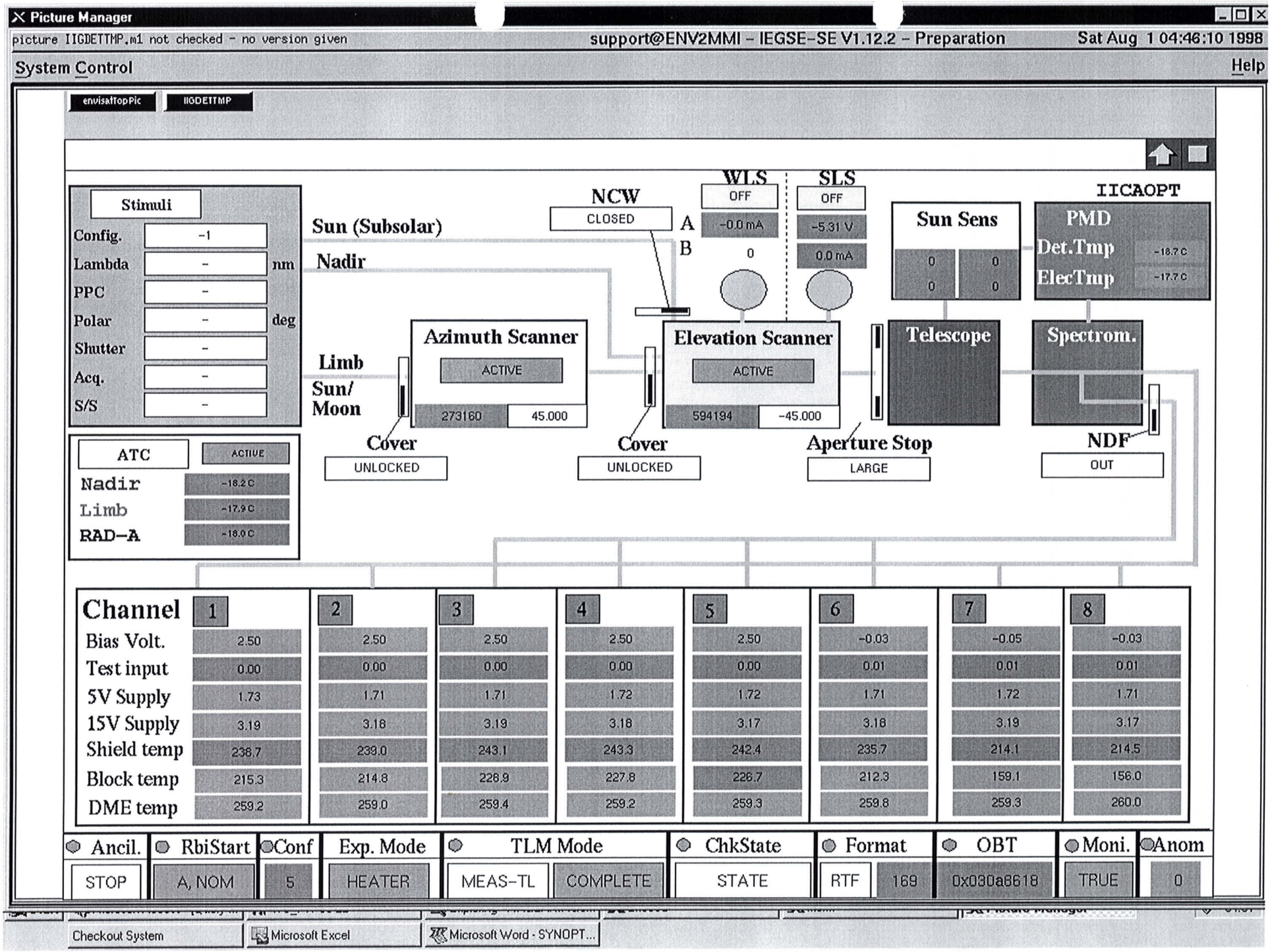
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Fri Jul 31 23:30:27 1998
System Control
Help
envisatTopPic
IIGDETTMP
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
WLS
OFF
A
-0.0 mA
B
0
SLS
OFF
-5.27 V
0.0 mA
IICAOPT
Sun Sens
0 0
0 0
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
ATC ACTIVE
Nadir -16.2 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 237.4 237.6 242.3 242.4 241.6 234.5 213.6 213.9
Block temp 212.6 212.1 226.8 225.8 224.5 210.4 157.6 154.6
DME temp 259.1 259.0 259.4 259.2 259.3 259.8 259.3 259.9
Ancil.
STOP
RbiStart
A_NOM
Conf
5
Exp. Mode
HEATER
TLM Mode
MEAS_TL
COMPLETE
ChkState
STATE
Format
RTE
9
OBT
0X02c08616
Moni.
TRUE
Anom
0

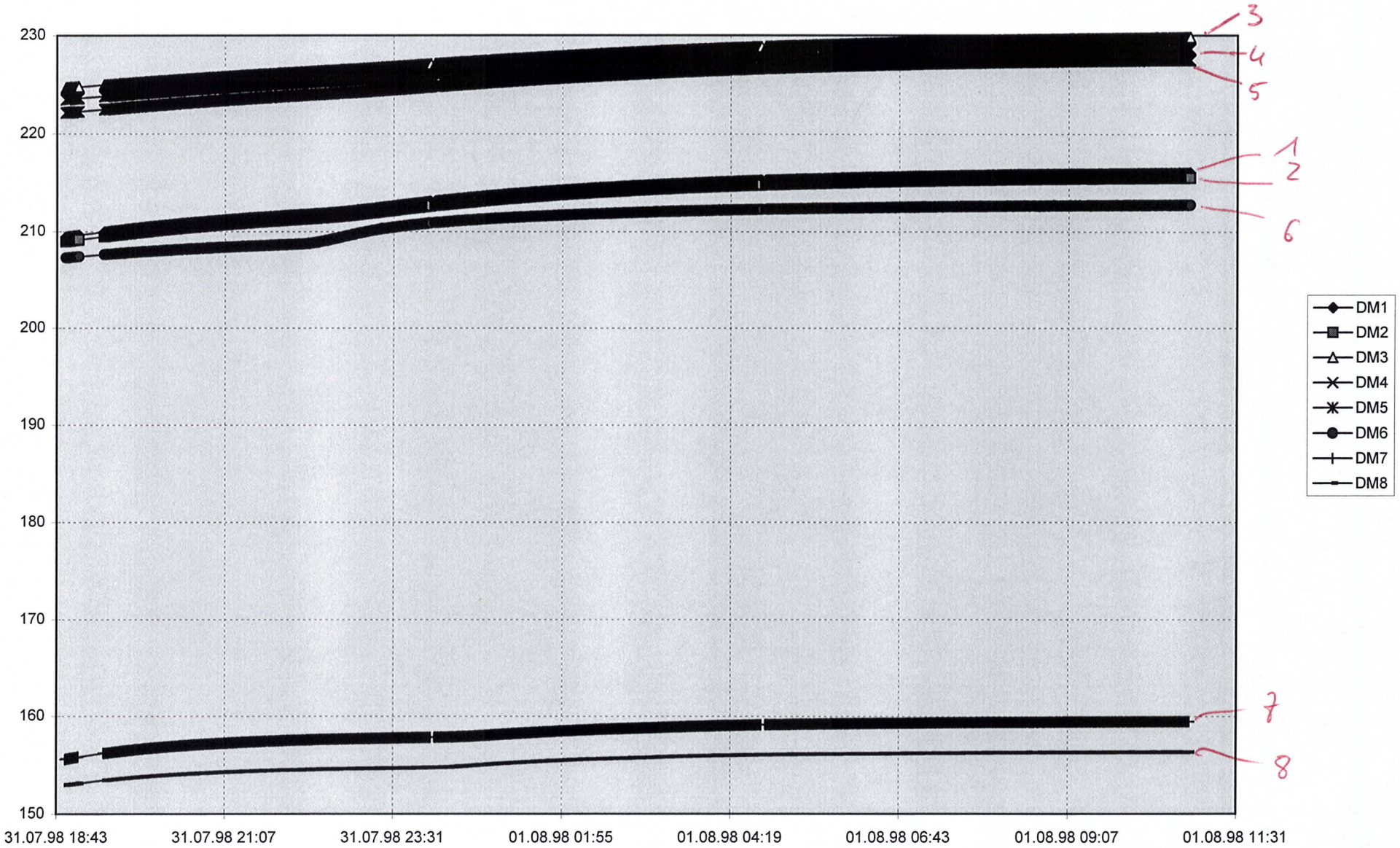

Picture Manager
picture IIGDETTMP.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sat Aug 1 03:12:18 1998
System Control
Help
envisatTopPic
IIGDETTMP
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
ATC ACTIVE
Nadir -18.2 C
Limb -17.9 C
RAD-A -18.0 C
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
0.0 mA
0
SLS
OFF
-5.30 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 236.4 236.7 242.9 243.1 242.2 235.5 214.0 214.3
Block temp 214.8 214.4 228.4 227.3 226.2 212.0 158.6 155.6
DME temp 259.2 259.0 259.4 259.2 259.3 259.8 259.3 260.0
Ancil. RbiStart Conf Exp. Mode TLM Mode ChkState Format OBT Moni. Anom
STOP A_NOM 5 HEATER MEAS_TL COMPLETE STATE RTE 73 0x02f49614 TRUE 0



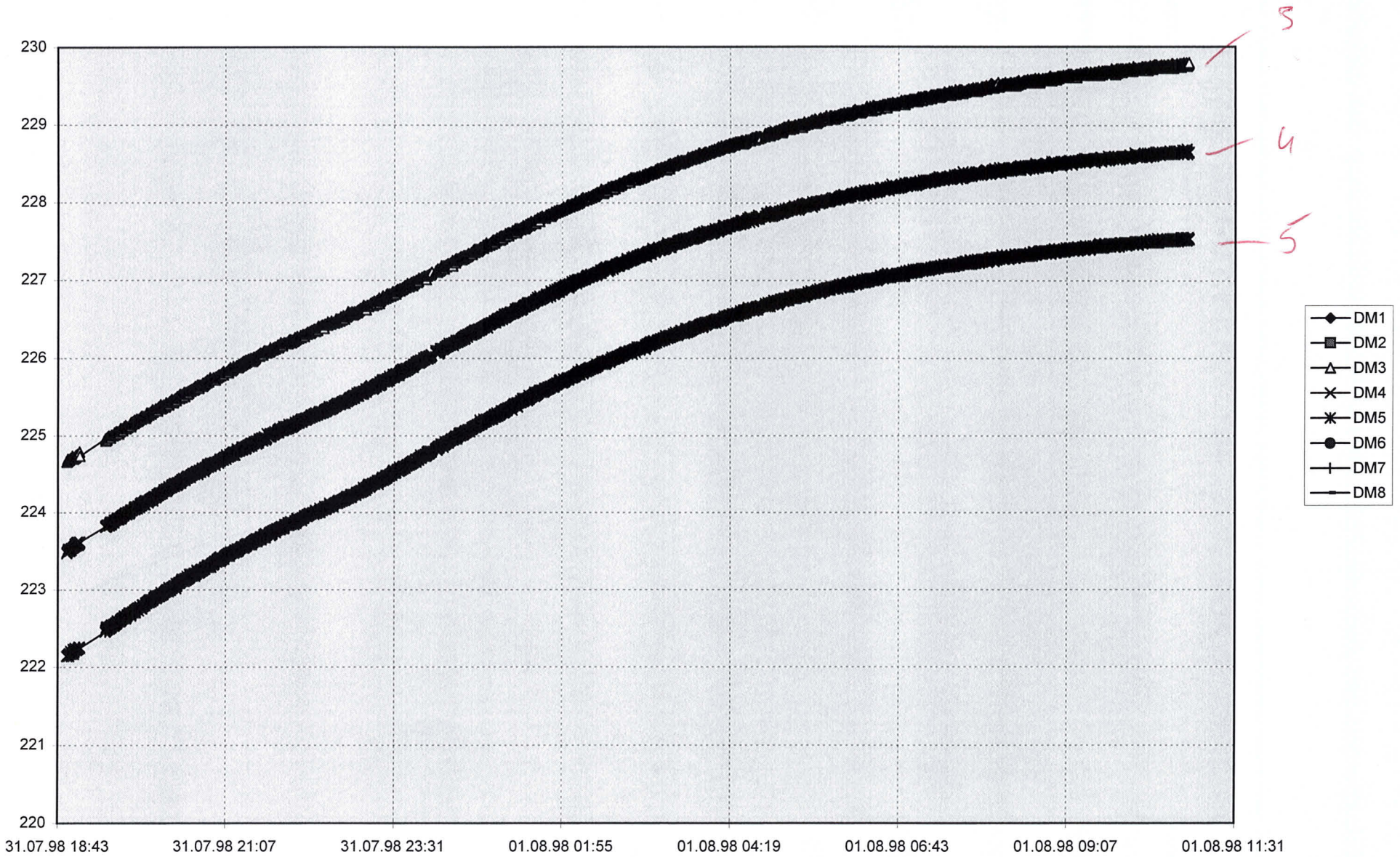
Bitmap Dump (1314923 bytes) at Sat Aug 01 03:06:54 GMT 1998


Picture Manager
picture IIGDETTMP.m1 not checked - no version given
support@ENV2MMI - IEGSE-SE V1.12.2 - Preparation
Sat Aug 1 04:46:10 1998
System Control
Help
envisatTopPic
IIGDETTMP
Stimuli
Config. -1
Lambda - nm
PPC -
Polar - deg
Shutter -
Acq. -
S/S -
Sun (Subsolar)
Nadir
Limb
Sun/
Moon
NCW
CLOSED
A
B
WLS
OFF
-0.0 mA
0
SLS
OFF
-5.31 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
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 236.7 239.0 243.1 243.3 242.4 235.7 214.1 214.5
Block temp 215.3 214.8 228.9 227.8 226.7 212.3 159.1 156.0
DME temp 259.2 259.0 259.4 259.2 259.3 259.8 259.3 260.0
Ancil. STOP
RbiStart A, NOM
Conf 5
Exp. Mode HEATER
TLM Mode MEAS-TL COMPLETE
ChkState STATE
Format RTF 169
OBT 0x030a8618
Moni. TRUE
Anom 0
Checkout System
Microsoft Excel
Microsoft Word - SYNOPT...

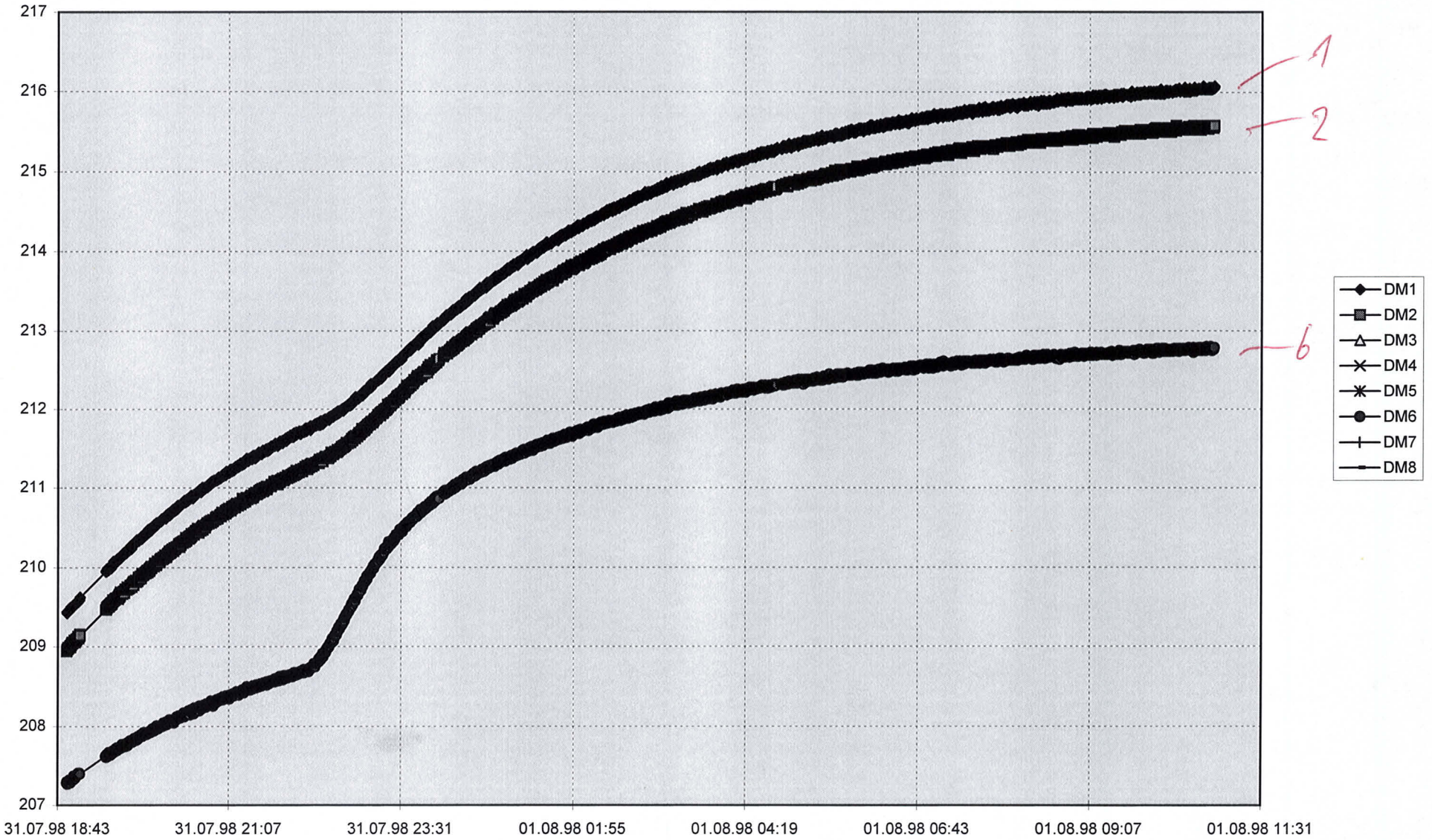
DETTEMP Chart 2



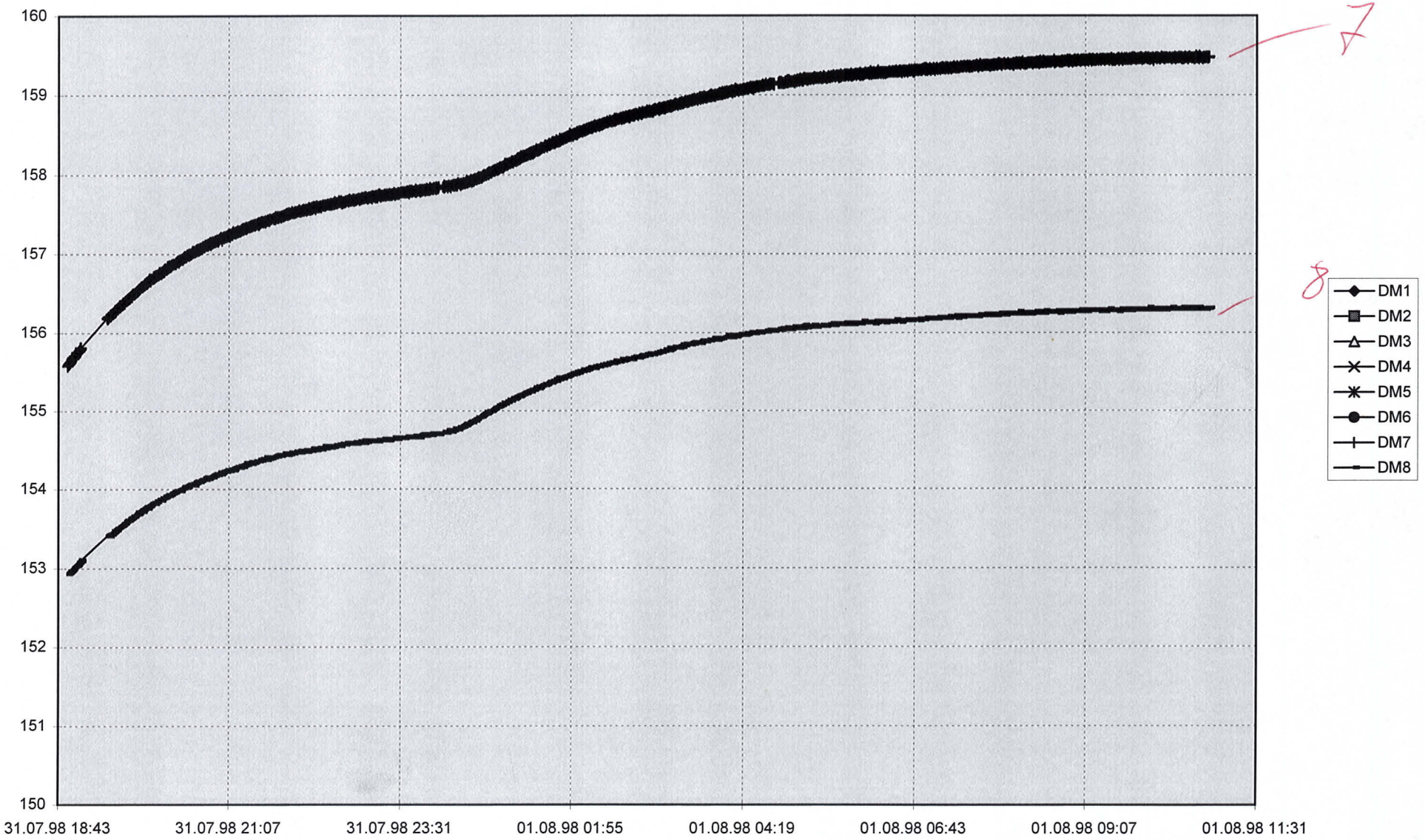
DETTEMP Chart 3

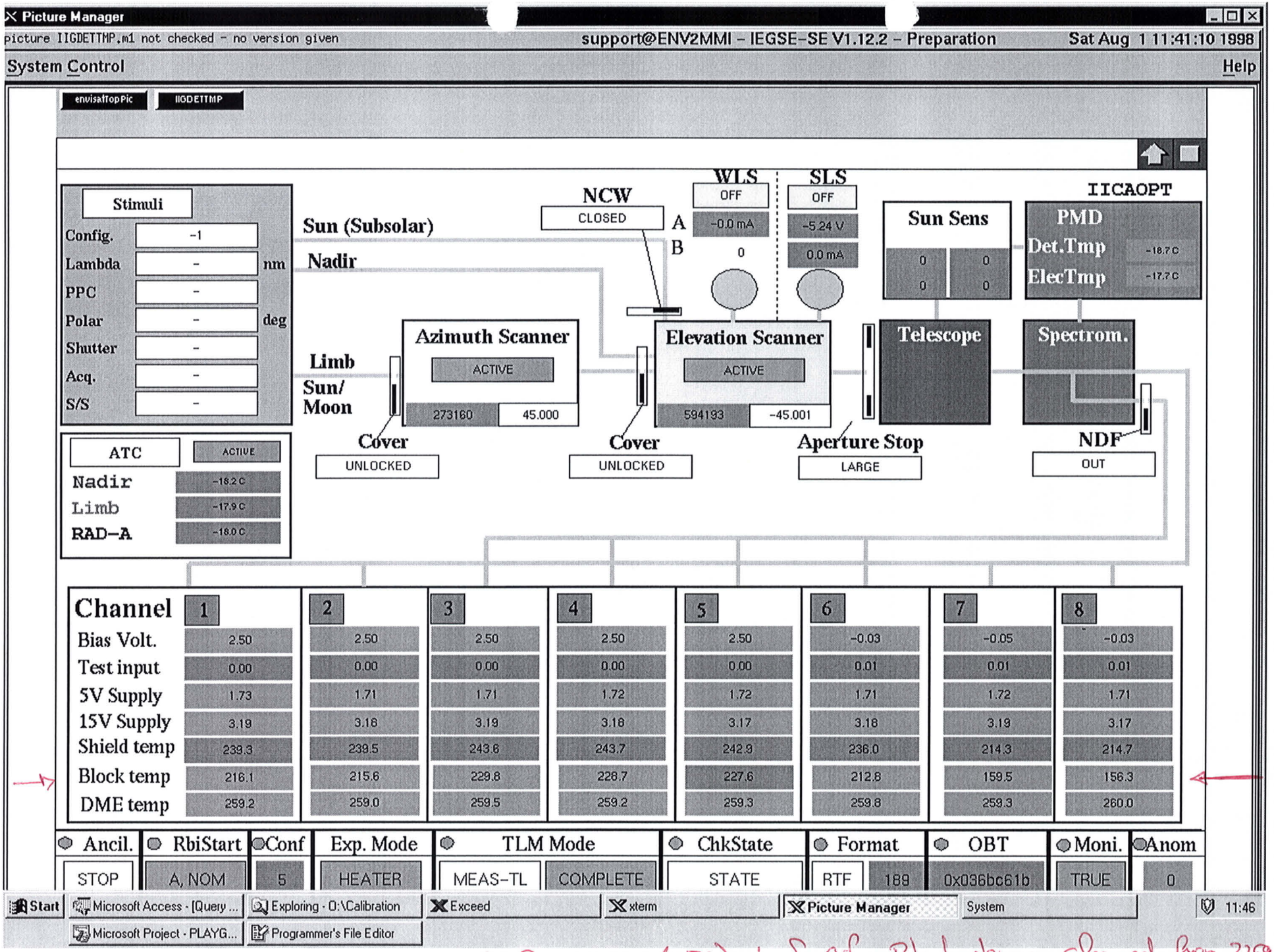


DETTEMP Chart 4



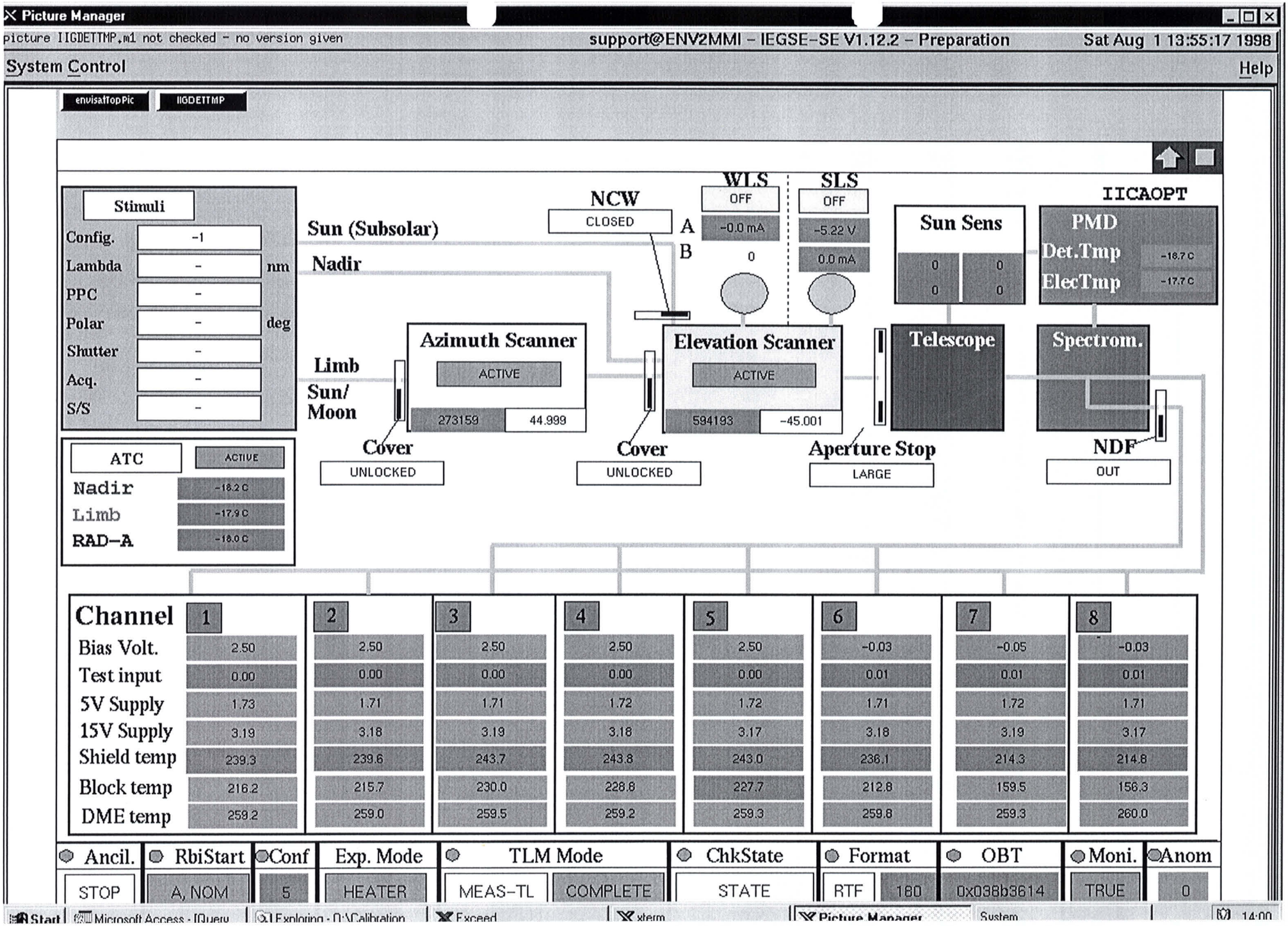
DETTEMP Chart 5





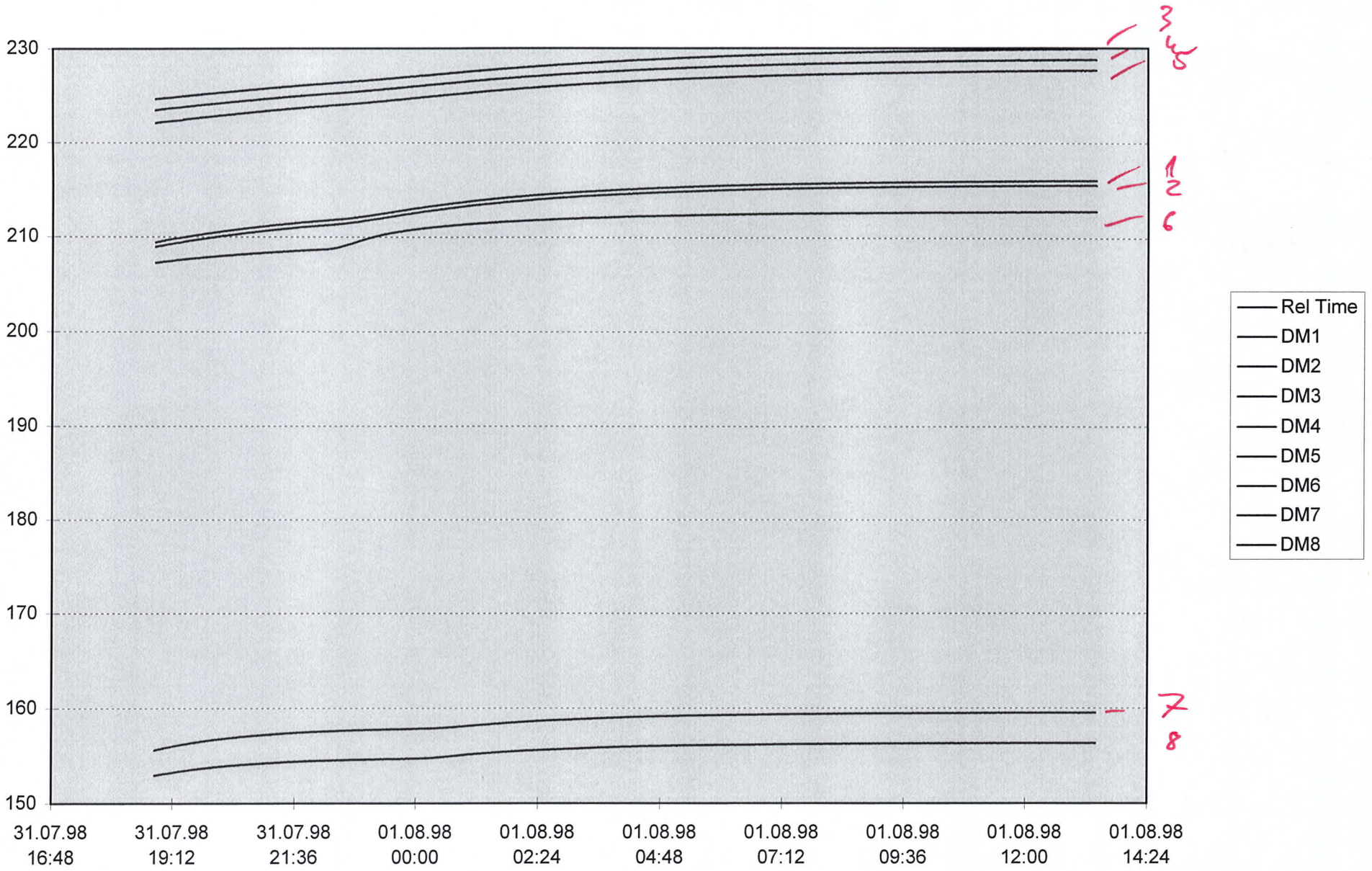
(UTC)

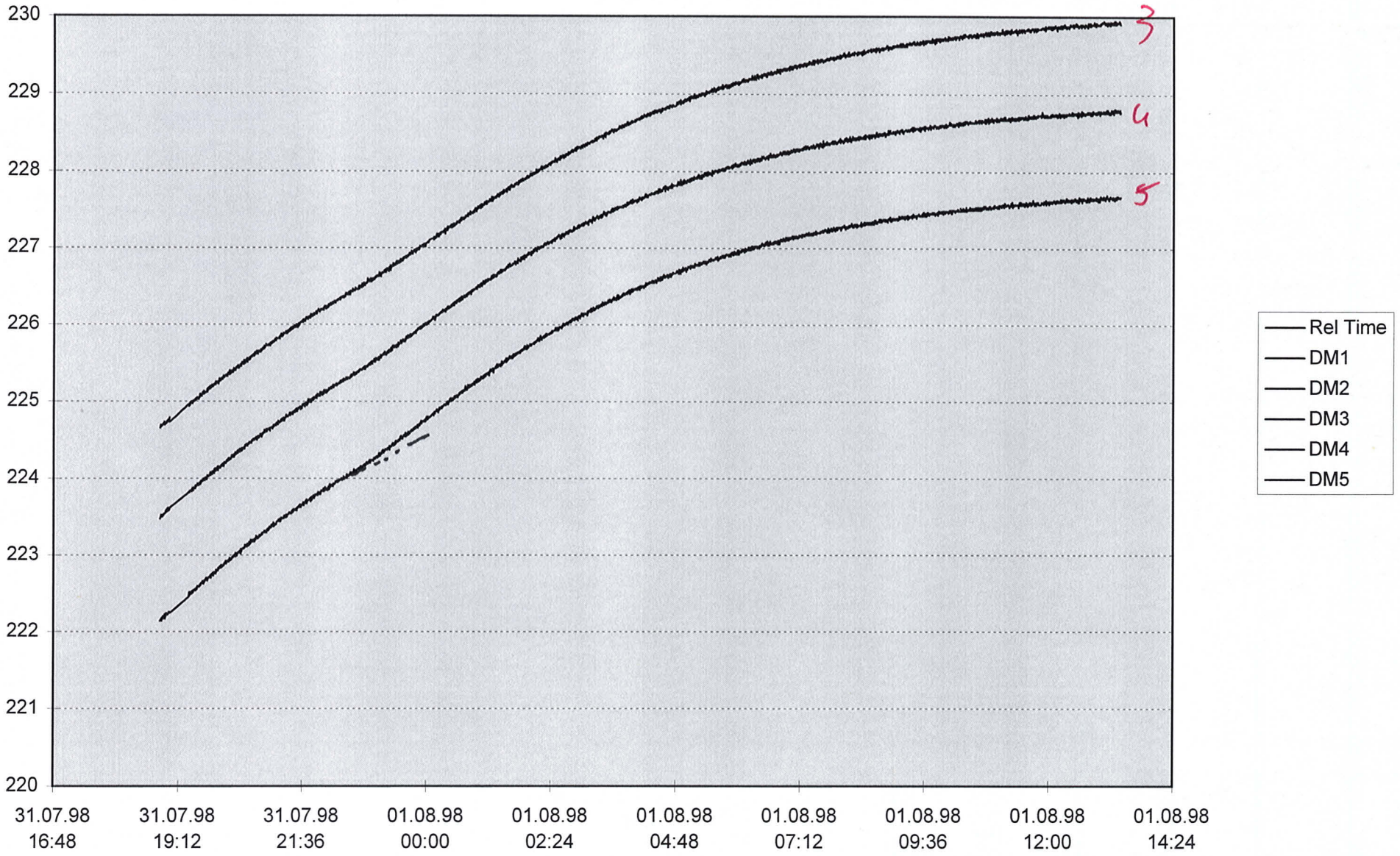
↑ @ 11:49 - (UTC) 1-8-98 Block temp changed from 229.8 K to 229.9 K

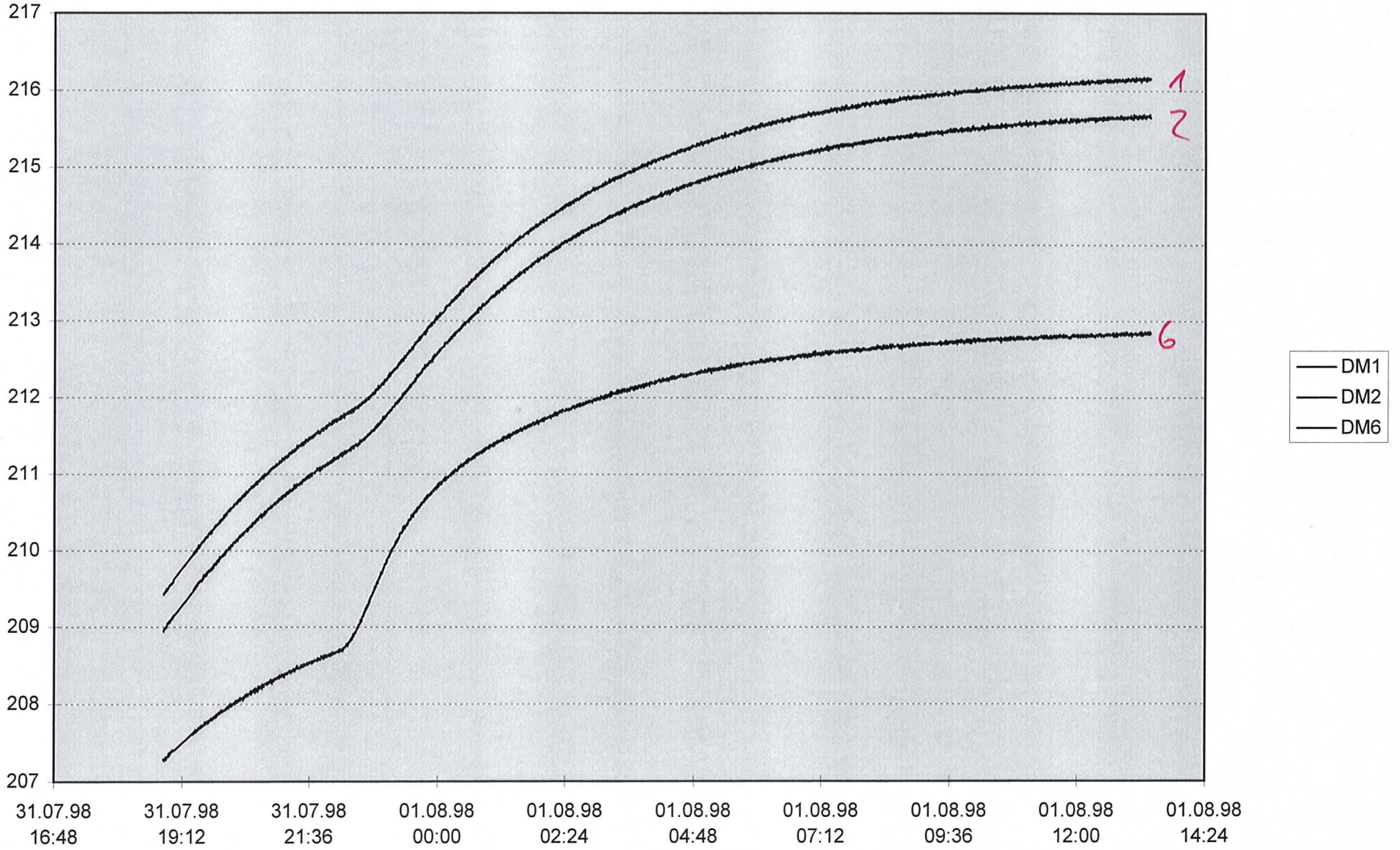


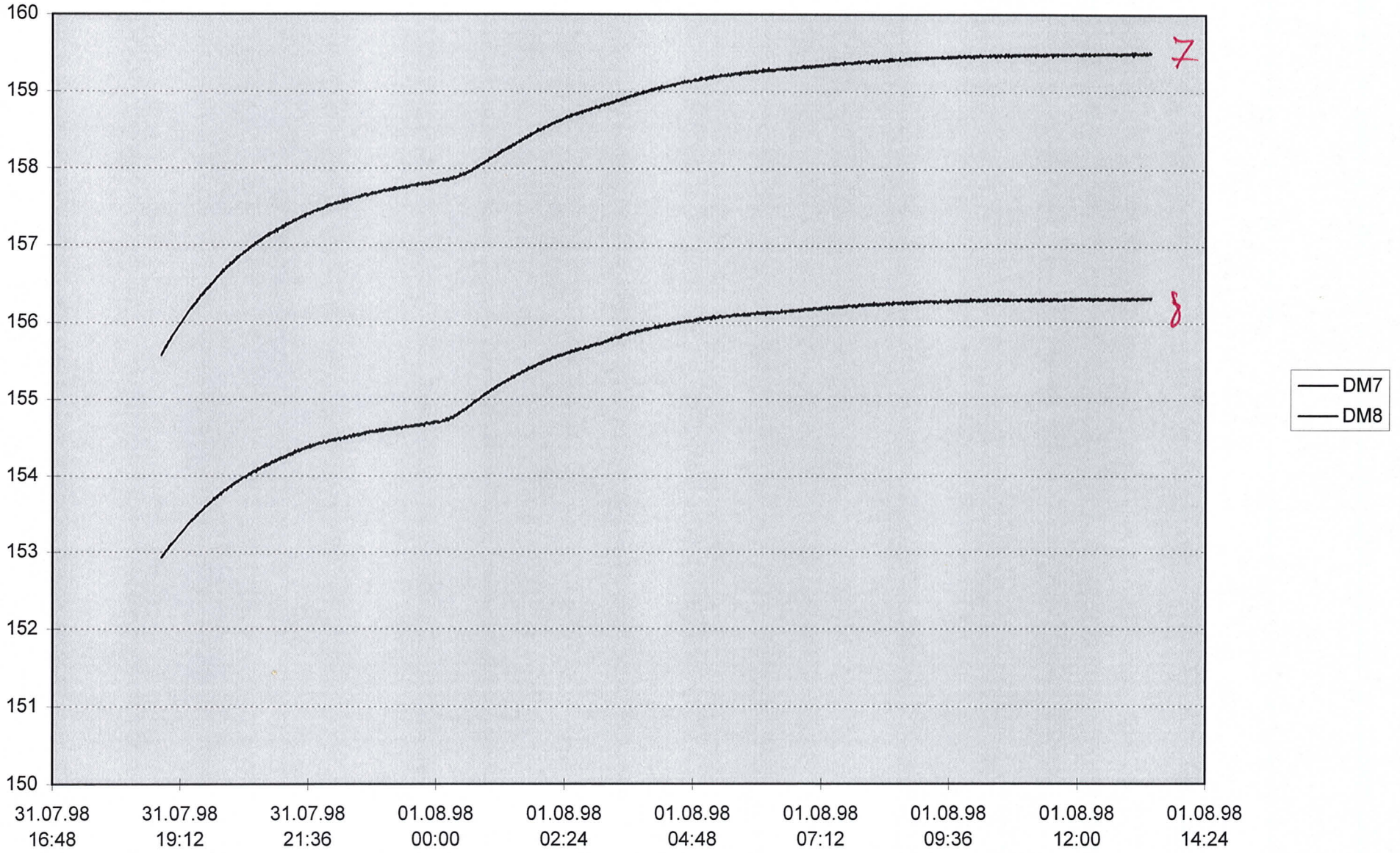
1-8-98
13:58 UTC

Overview


230
220
210
200
190
180
170
160
150
31.07.98 16:48
31.07.98 19:12
31.07.98 21:36
01.08.98 00:00
01.08.98 02:24
01.08.98 04:48
01.08.98 07:12
01.08.98 09:36
01.08.98 12:00
01.08.98 14:24
Rel Time
DM1
DM2
DM3
DM4
DM5
DM6
DM7
DM8


230
229
228
227
226
225
224
223
222
221
220
31.07.98 16:48
31.07.98 19:12
31.07.98 21:36
01.08.98 00:00
01.08.98 02:24
01.08.98 04:48
01.08.98 07:12
01.08.98 09:36
01.08.98 12:00
01.08.98 14:24
3
4
5
Rel Time
DM1
DM2
DM3
DM4
DM5


217
216
215
214
213
212
211
210
209
208
207
31.07.98 16:48
31.07.98 19:12
31.07.98 21:36
01.08.98 00:00
01.08.98 02:24
01.08.98 04:48
01.08.98 07:12
01.08.98 09:36
01.08.98 12:00
01.08.98 14:24
1
2
6
DM1
DM2
DM6


160
159
158
157
156
155
154
153
152
151
150
31.07.98 16:48
31.07.98 19:12
31.07.98 21:36
01.08.98 00:00
01.08.98 02:24
01.08.98 04:48
01.08.98 07:12
01.08.98 09:36
01.08.98 12:00
01.08.98 14:24
7
8
DM7
DM8