

1. SCIAMACHY Daily Report for level 1 products

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1.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 1 data (The SCI_NL__1P product).

1.1.1 Report summary

The table below shows general chacteristics of the data that are included into this report.

Item	Value
Report version	1.3 (29-05-2006)
Time of report generation	16APR2008 02:34:14
Data source version	SCIA/6.03-N
Processing scope for products	13APR2008 00:00:00 to 14APR2008 00:00:00
Start time of first product within scope	12APR2008 23:10:11
Stop time of last product within scope	14APR2008 00:20:24
Total number of level 1 products	17
Number of level 1 products with errors	0

1.1.2 Summary per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	#nadir	#limb	#occ	#mon	#nopro	#comp_dark	#incomp_dark
0	SCI_NL__1PNPDE20080412_231011_000061352067_00373_31990_9071.N1	12APR2008 23:10:11	13APR2008 00:52:26	0	35	46	1	0	3	15	0
1	SCI_NL__1PNPDE20080413_005050_000047062067_00374_31991_9152.N1	13APR2008 00:50:50	13APR2008 02:09:17	0	23	43	1	0	2	10	0
2	SCI_NL__1PNPDE20080413_020800_000058452067_00375_31992_9362.N1	13APR2008 02:08:00	13APR2008 03:45:26	0	32	43	1	0	3	15	0
3	SCI_NL__1PNPDE20080413_034427_000061062067_00376_31993_9521.N1	13APR2008 03:44:27	13APR2008 05:26:13	0	34	46	1	0	3	15	0
4	SCI_NL__1PNPDE20080413_052502_000061052067_00377_31994_9665.N1	13APR2008 05:25:02	13APR2008 07:06:47	0	35	45	1	0	3	15	0
5	SCI_NL__1PNPDE20080413_063023_000004572067_00378_31995_9612.N1	13APR2008 06:30:23	13APR2008 06:38:00	0	3	3	0	0	2	0	0
6	SCI_NL__1PNPDK20080413_070538_000041102067_00378_31995_8310.N1	13APR2008 07:05:38	13APR2008 08:14:08	0	18	30	1	0	3	15	0
7	SCI_NL__1PNPDK20080413_081303_000062102067_00379_31996_8439.N1	13APR2008 08:13:03	13APR2008 09:56:33	0	35	46	1	0	3	15	0
8	SCI_NL__1PNPDK20080413_095543_000059282067_00380_31997_8582.N1	13APR2008 09:55:43	13APR2008 11:34:31	0	33	44	1	0	3	15	0
9	SCI_NL__1PNPDK20080413_113305_000061202067_00381_31998_8715.N1	13APR2008 11:33:05	13APR2008 13:15:05	0	31	46	1	1	3	15	0
10	SCI_NL__1PNPDK20080413_131341_000059252067_00382_31999_8777.N1	13APR2008 13:13:41	13APR2008 14:52:26	0	29	45	1	1	3	15	0
11	SCI_NL__1PNPDK20080413_145007_000059852067_00383_32000_8893.N1	13APR2008 14:50:07	13APR2008 16:29:53	0	30	45	1	1	3	15	0
12	SCI_NL__1PNPDK20080413_162743_000058962067_00384_32001_9081.N1	13APR2008 16:27:43	13APR2008 18:05:59	0	30	42	2	2	3	15	0
13	SCI_NL__1PNPDK20080413_180416_000060472067_00385_32002_9150.N1	13APR2008 18:04:16	13APR2008 19:45:04	0	30	44	1	5	3	14	1
14	SCI_NL__1PNPDE20080413_194340_000042142067_00386_32003_0211.N1	13APR2008 19:43:40	13APR2008 20:53:55	0	31	27	0	2	2	0	0
15	SCI_NL__1PNPDE20080413_205255_000064952067_00386_32003_0354.N1	13APR2008 20:52:55	13APR2008 22:41:11	0	32	50	1	1	3	20	0
16	SCI_NL__1PNPDE20080413_223955_000060292067_00387_32004_0429.N1	13APR2008 22:39:55	14APR2008 00:20:24	0	32	45	1	1	3	14	0

1.2 Product Quality Indicators

This section shows information about product quality, in particular the quality of retrieved species.

The following data items are currently included into this section:

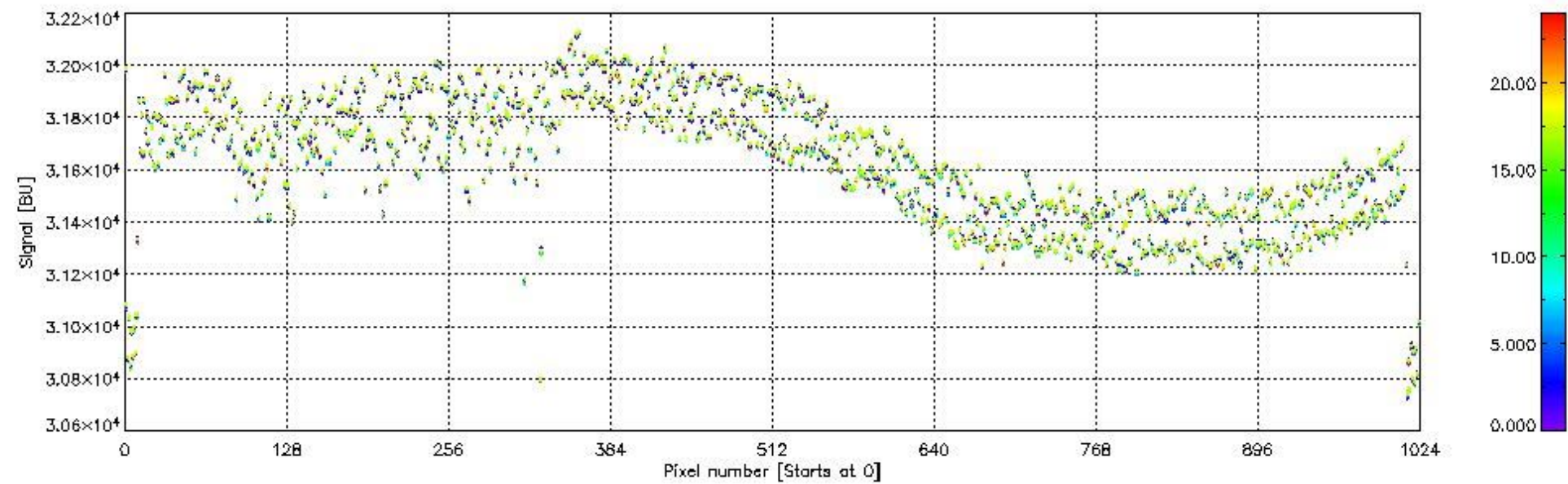
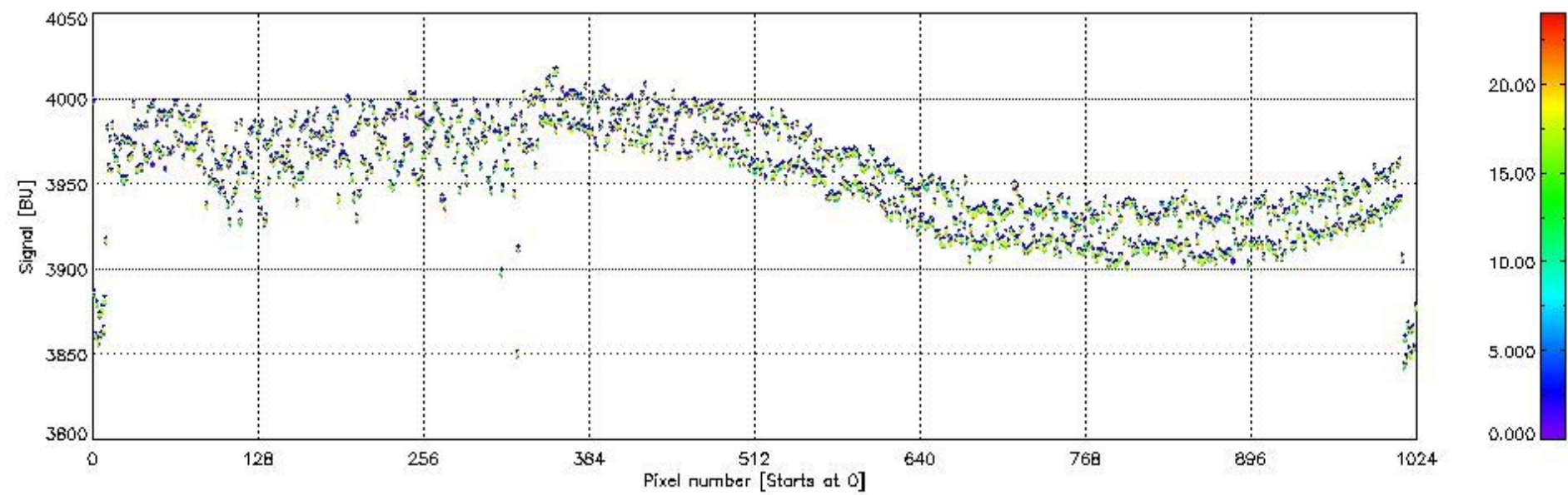
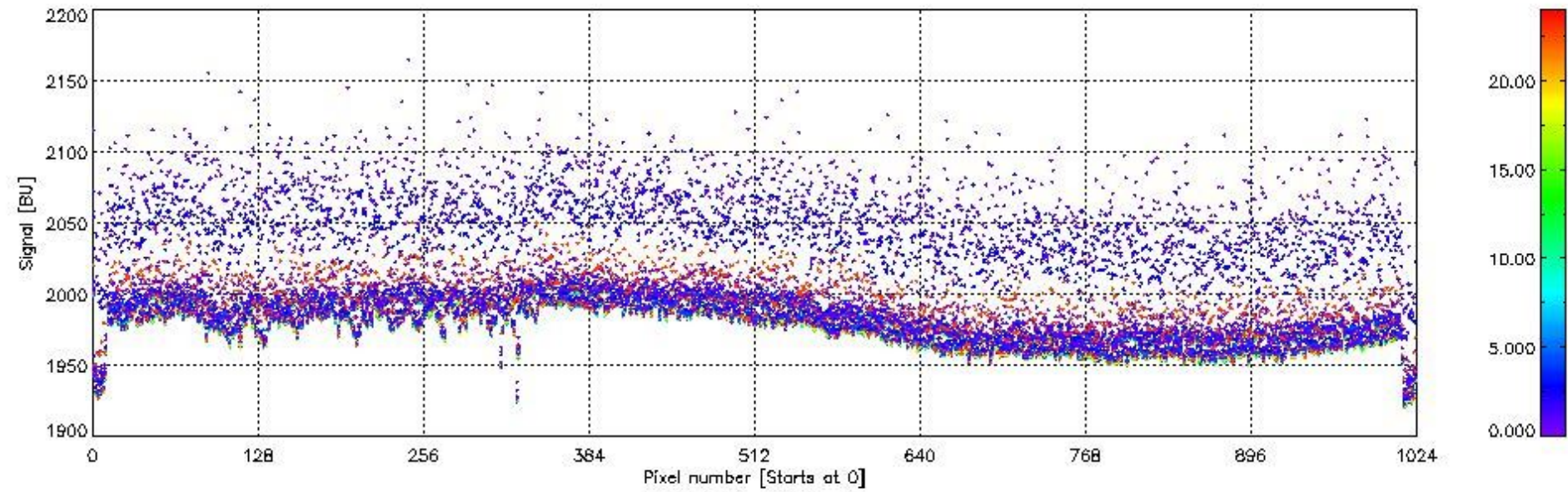
- Dark measurements (if available)
- New leakage current parameters (if available)

3. New spectral calibration parameters (if available)
4. New sun reference spectrum (if available)
5. New PPG/Etalon parameters (if available)

1.2.1 Dark measurements overview

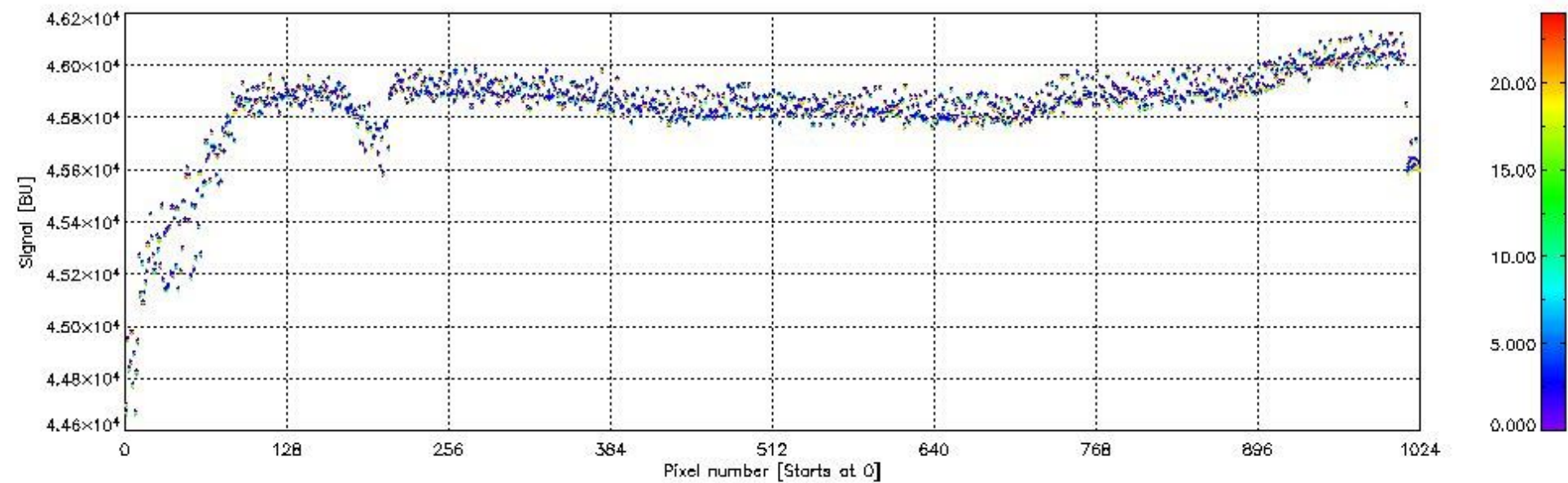
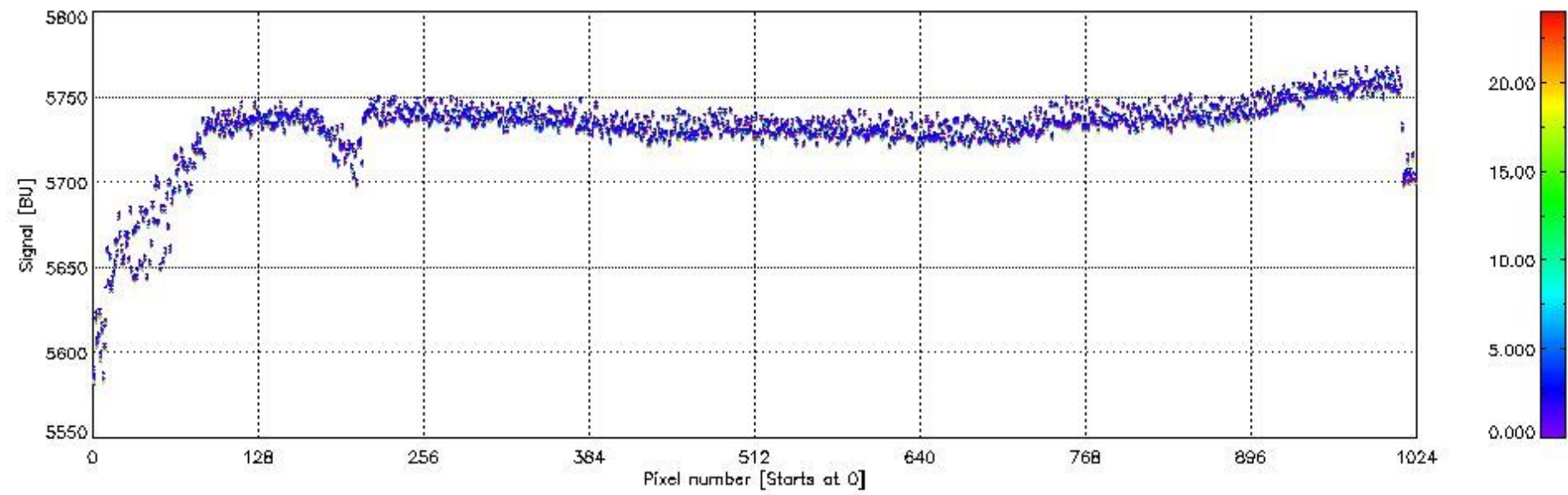
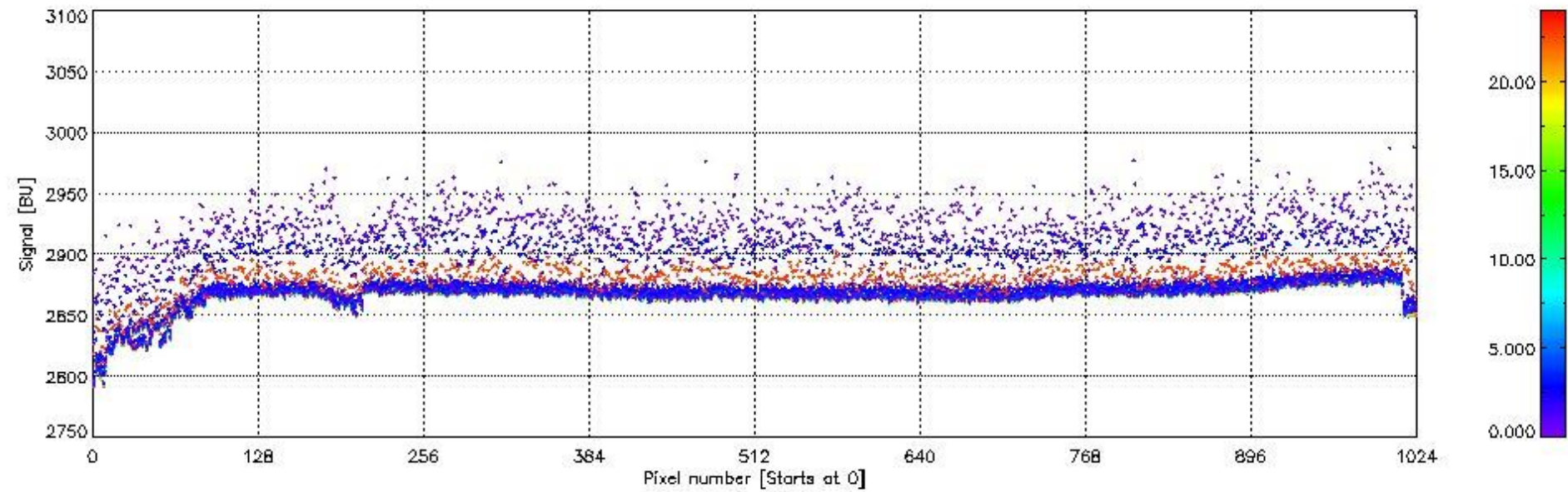
This section lists properties of the dark measurements performed within the processing scope.

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



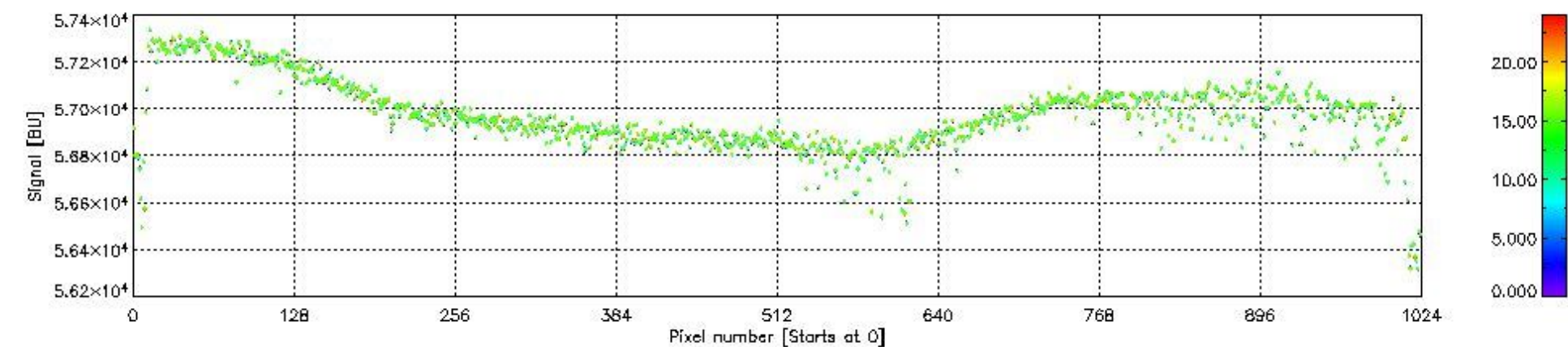
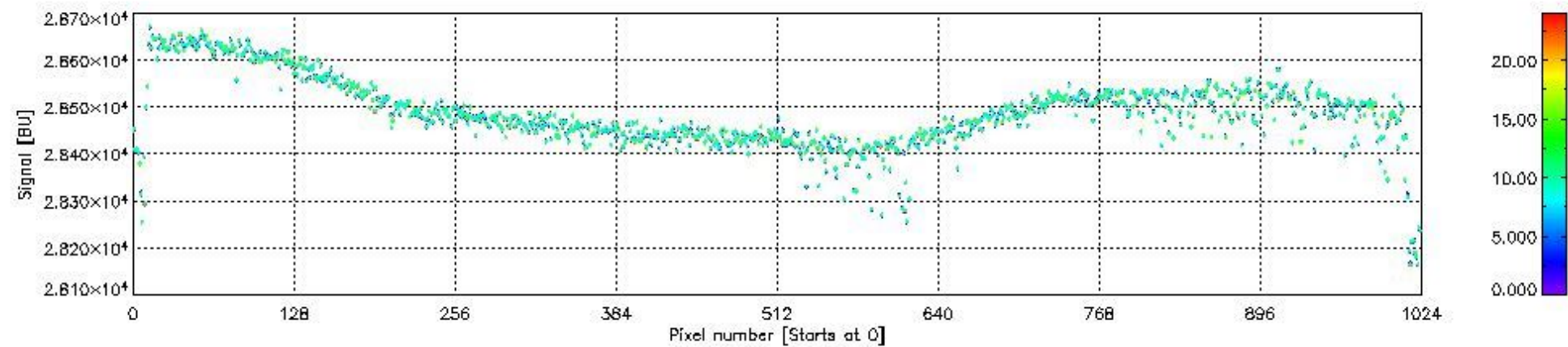
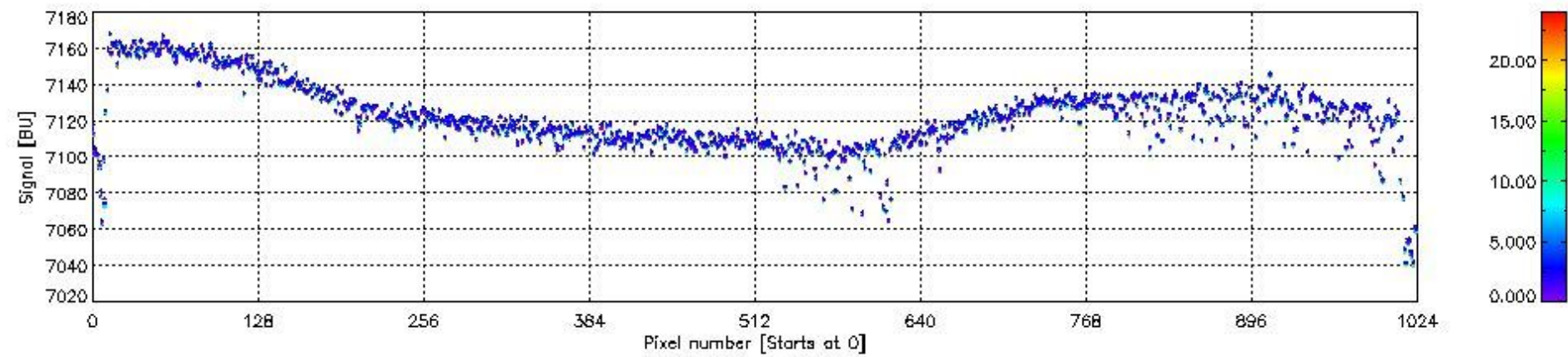
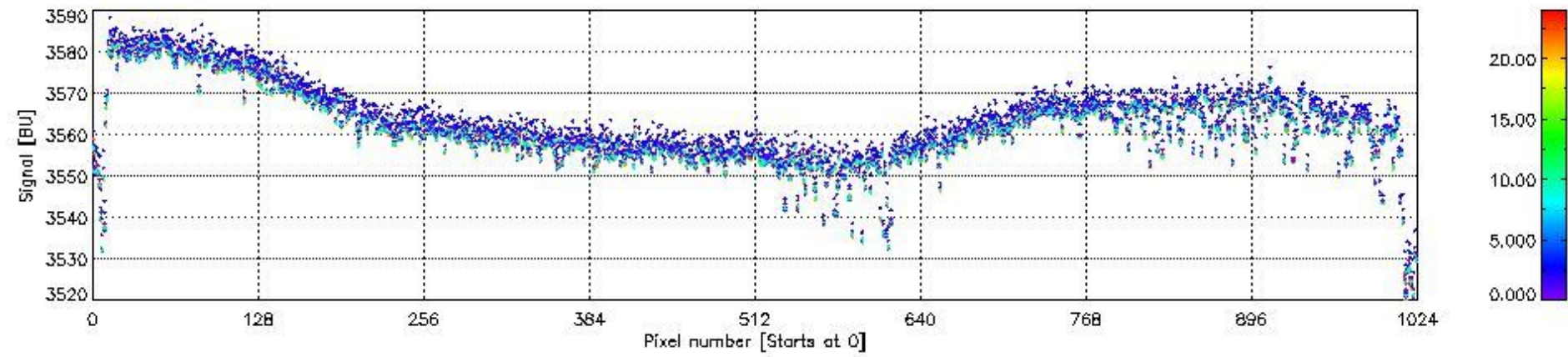
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_0.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



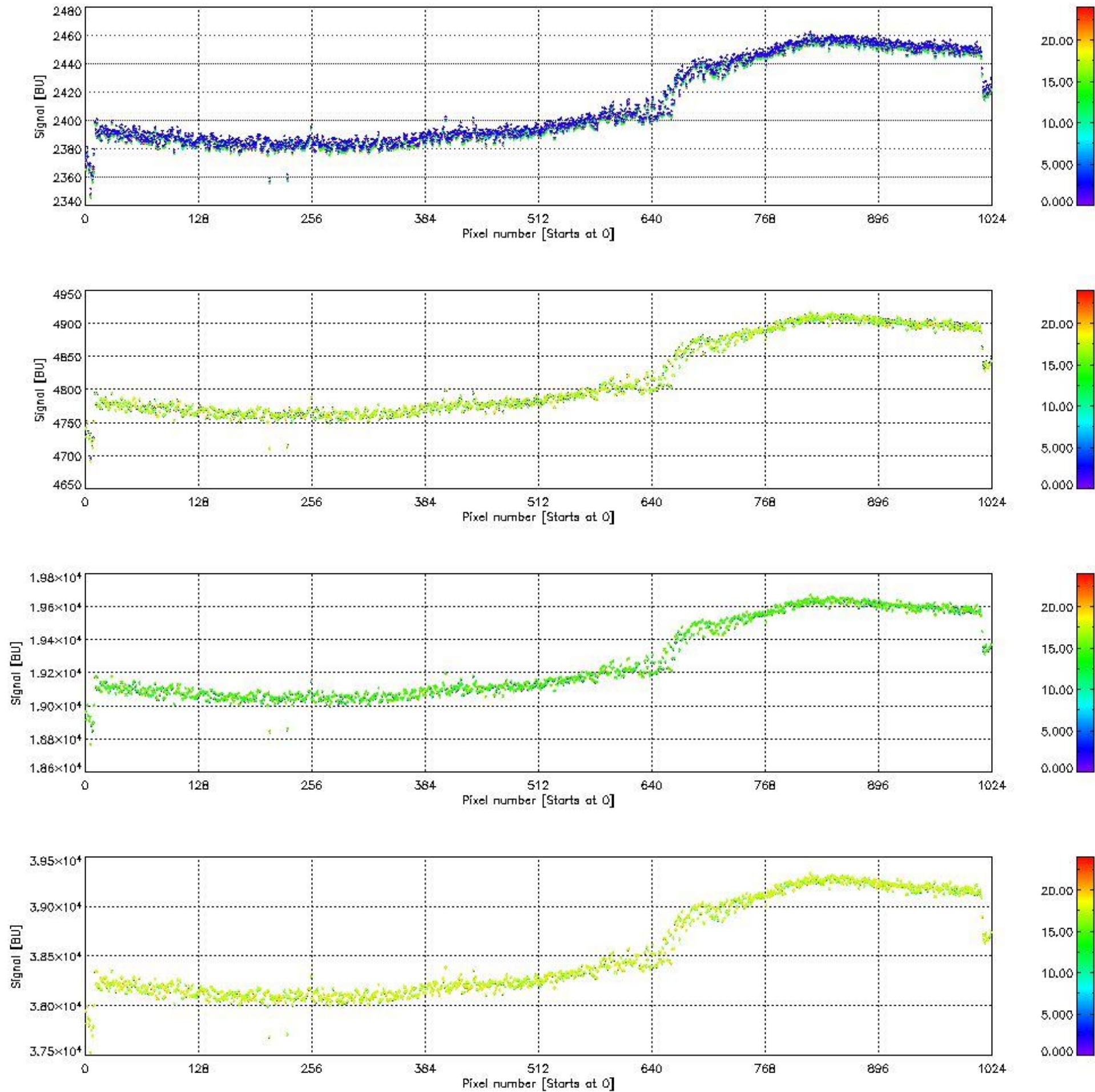
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_1.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



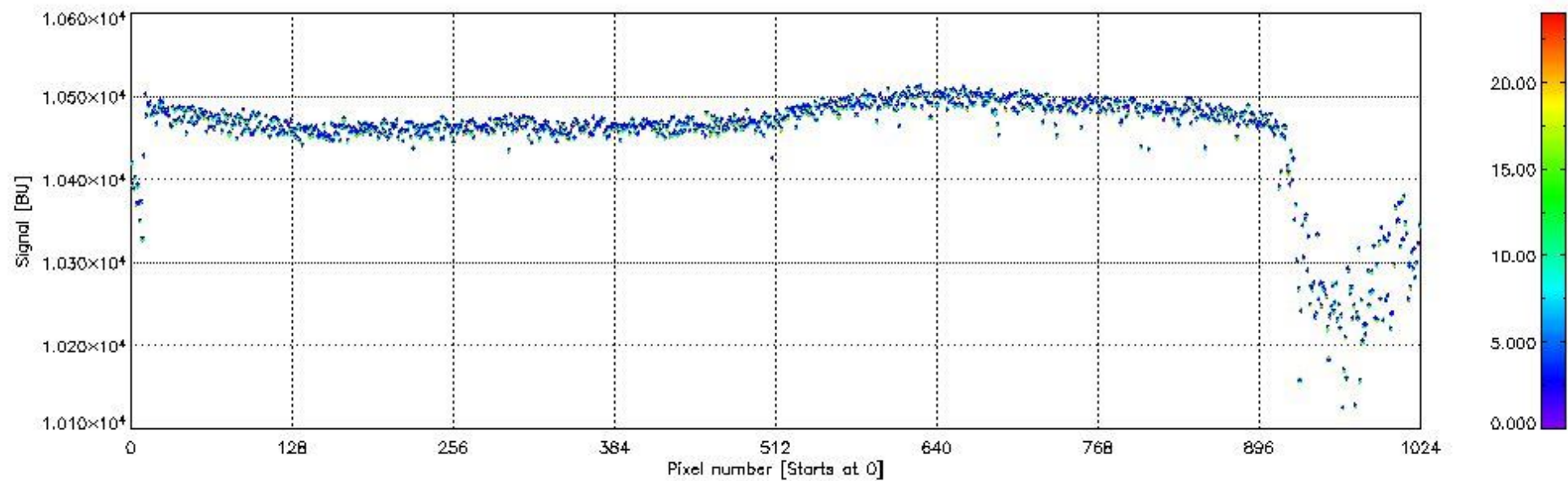
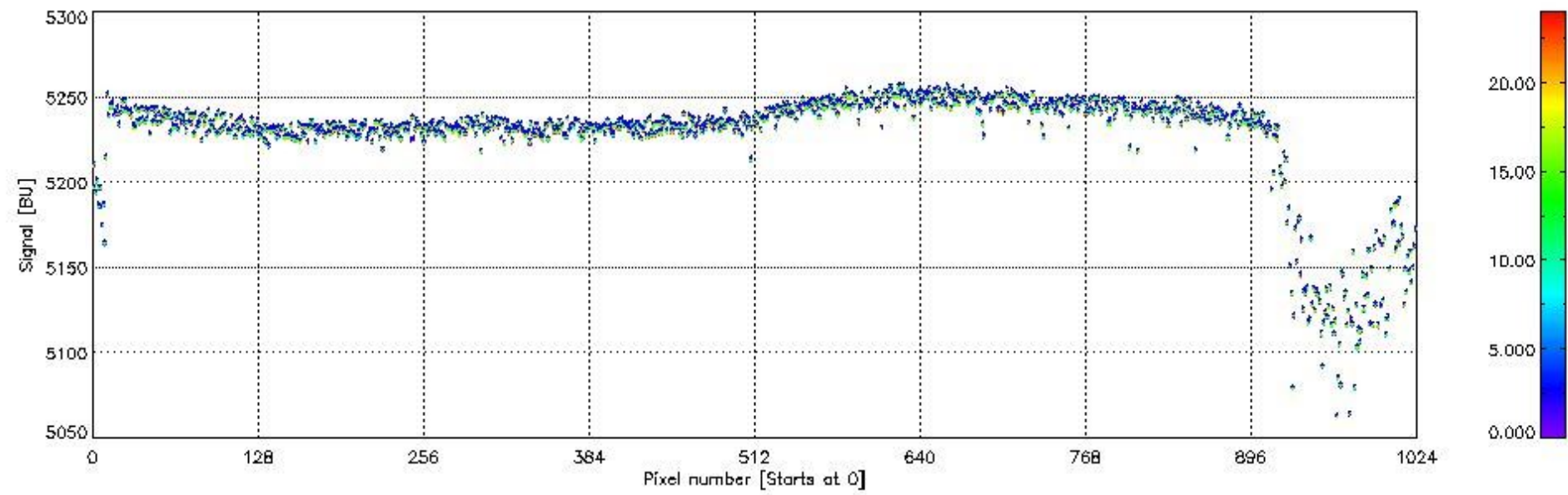
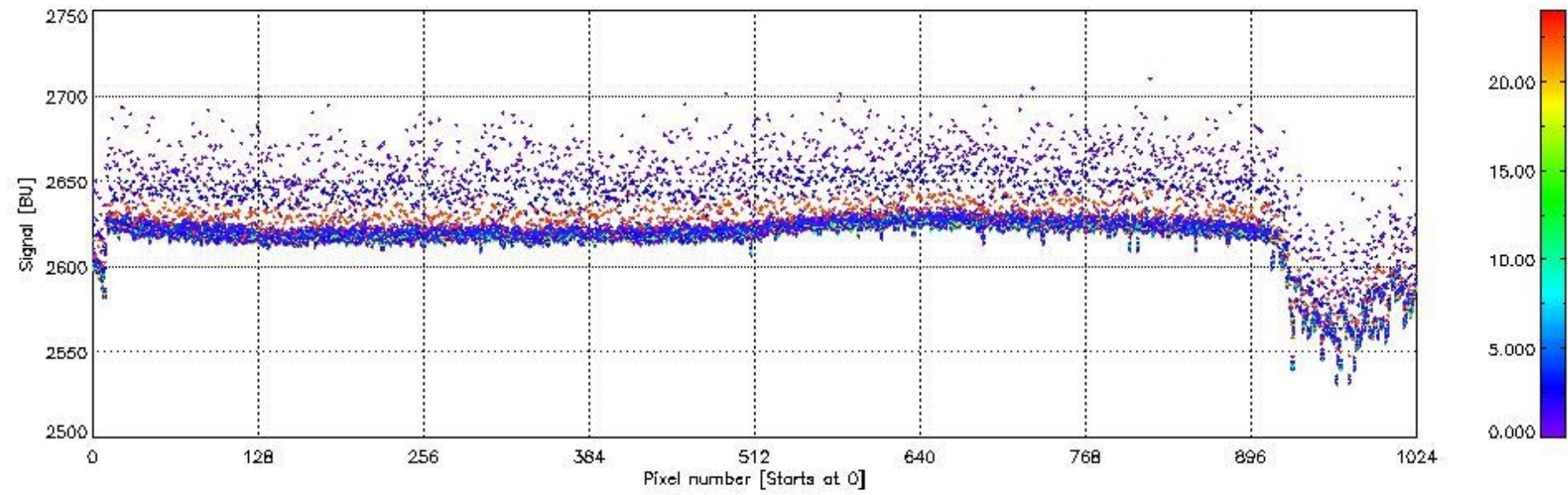
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_2.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



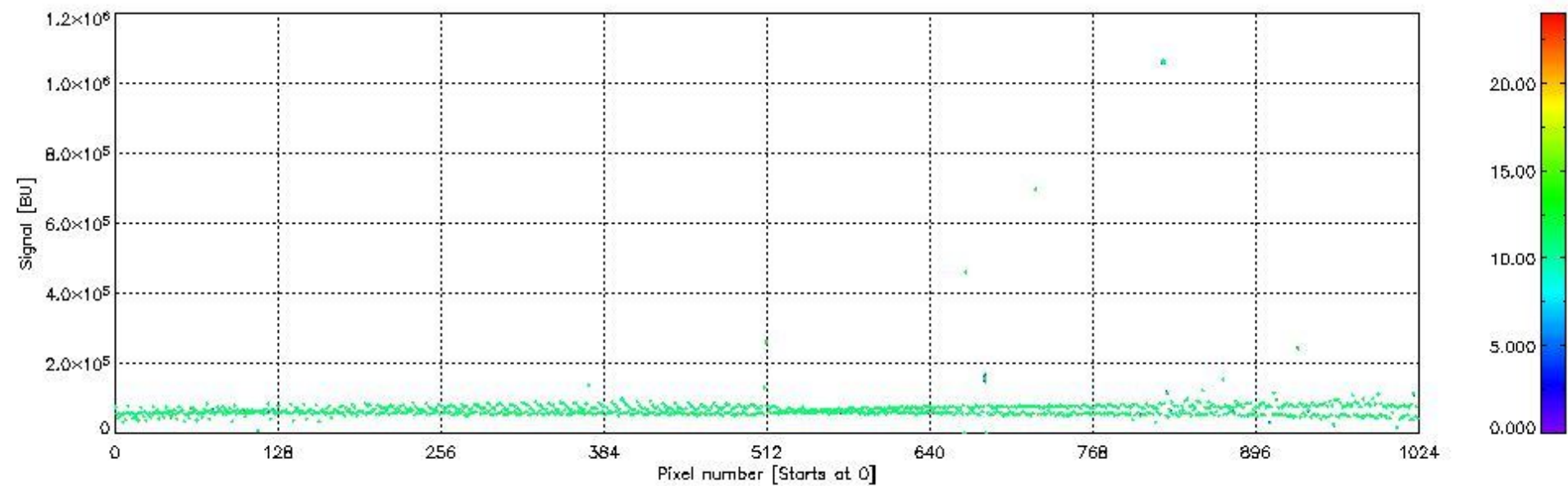
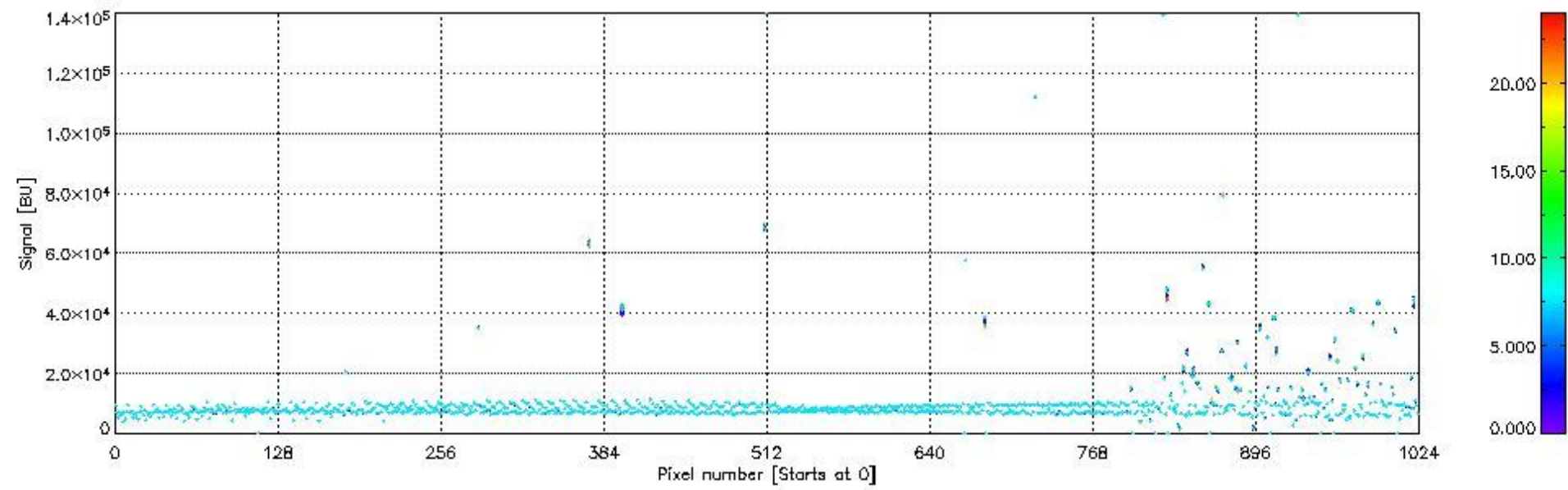
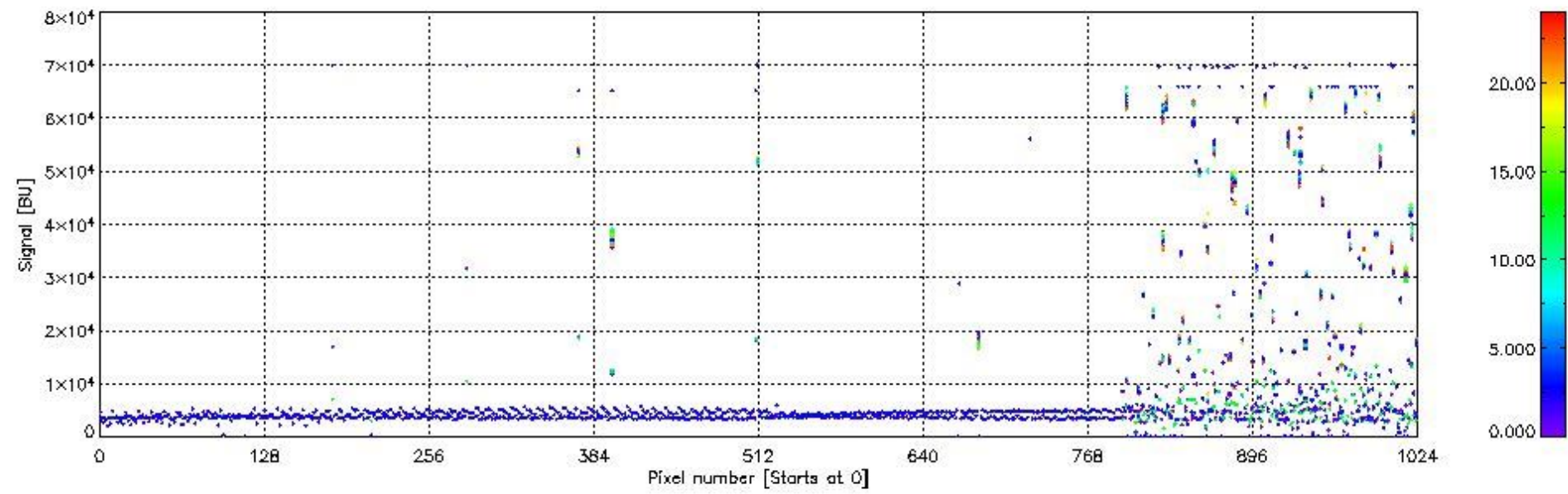
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_3.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



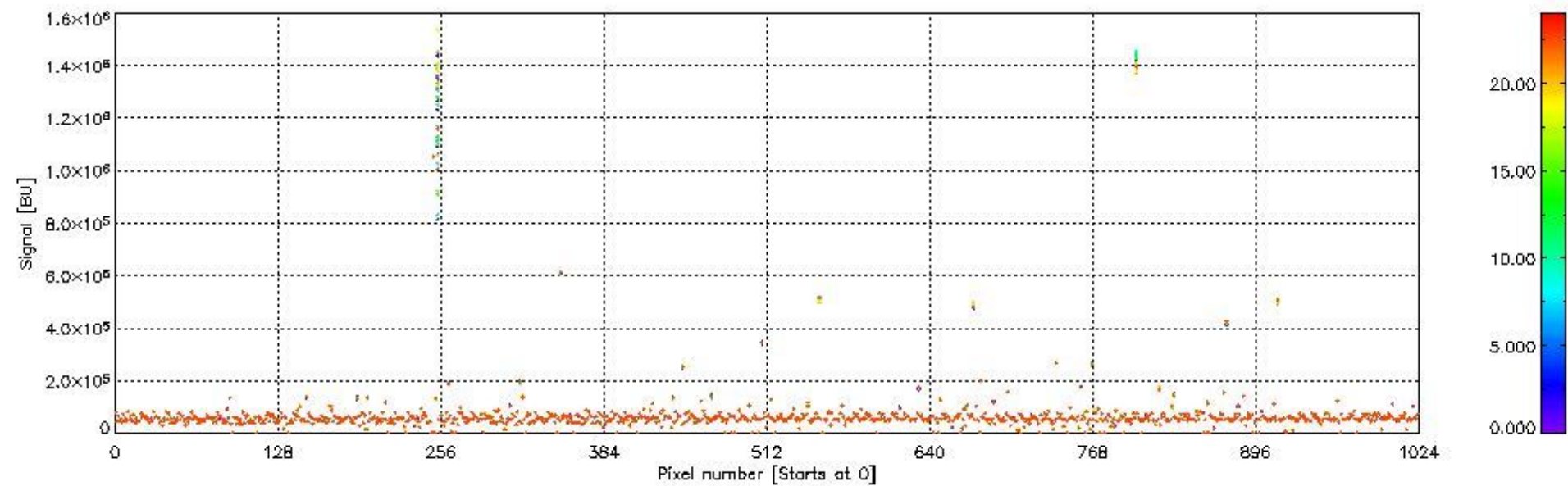
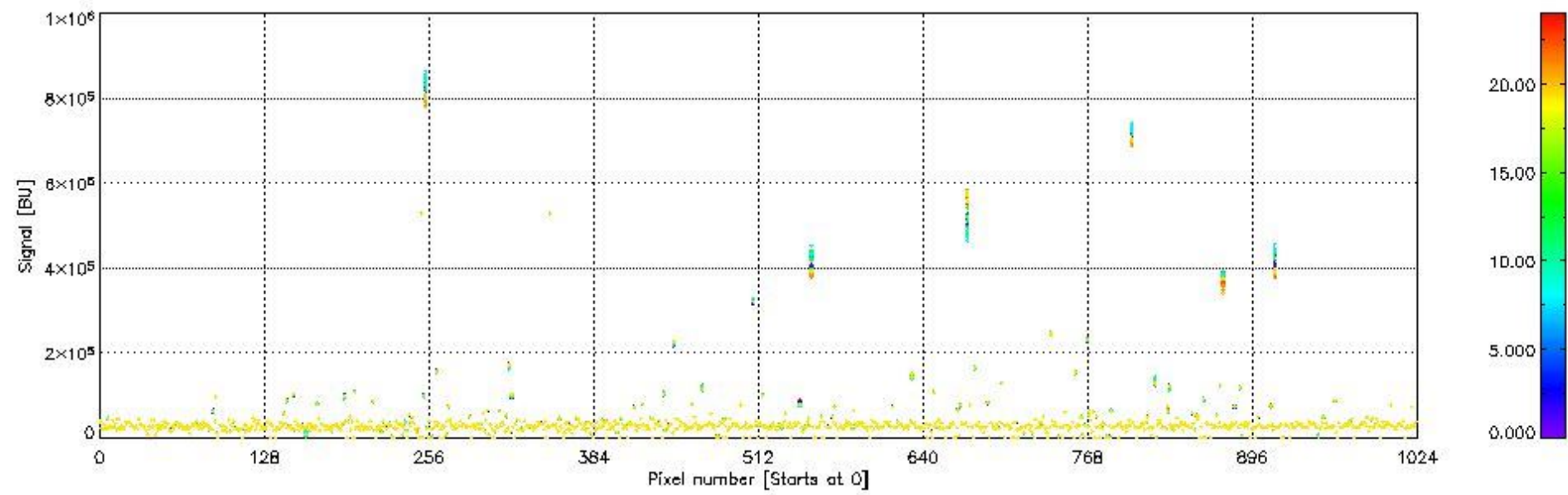
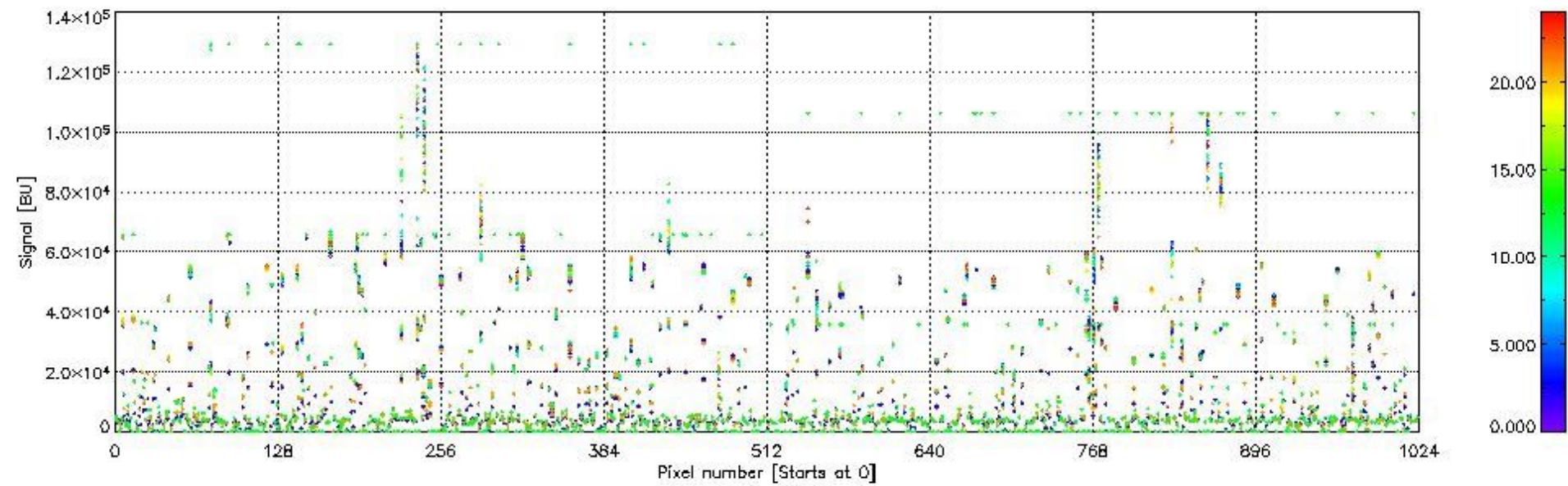
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_4.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



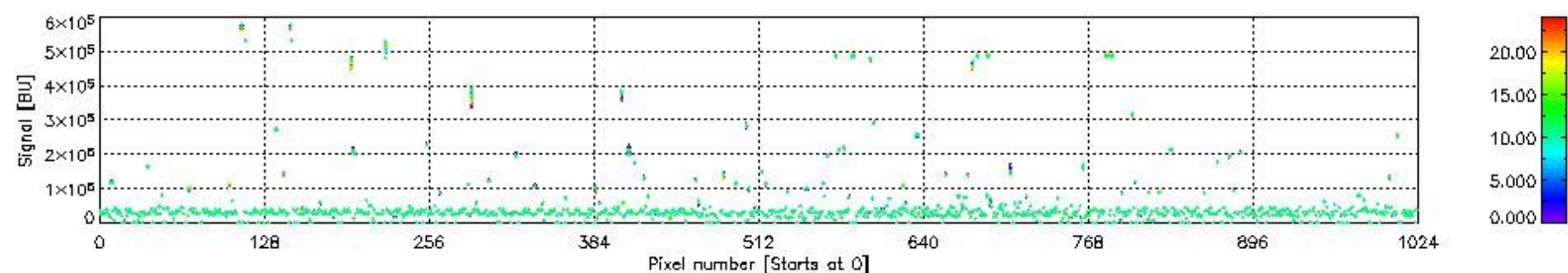
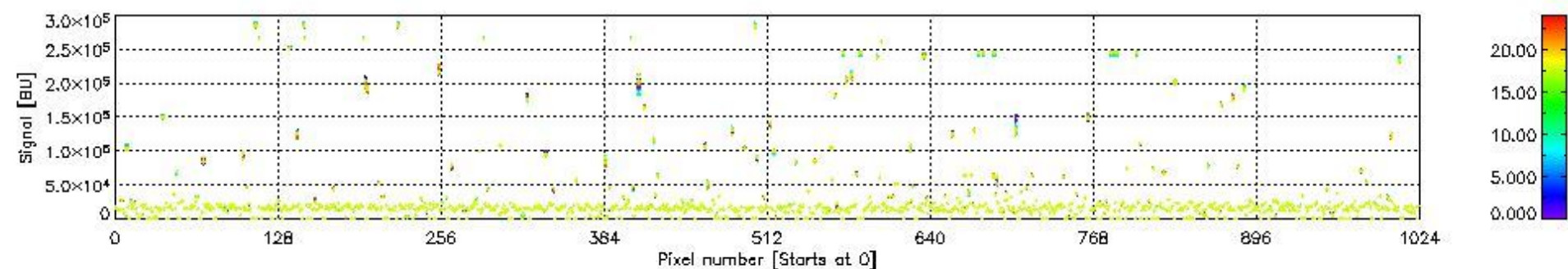
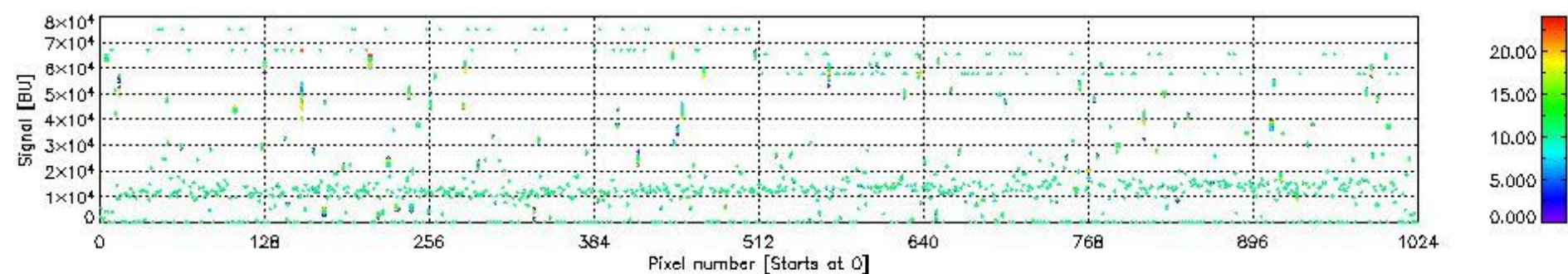
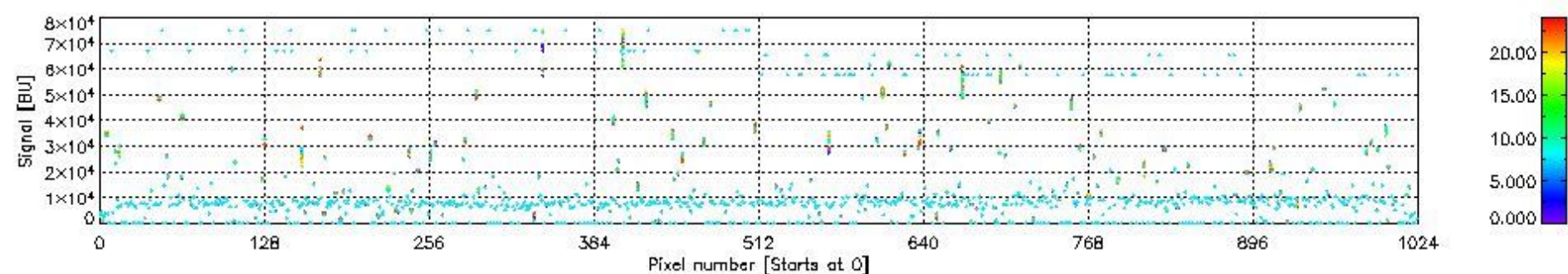
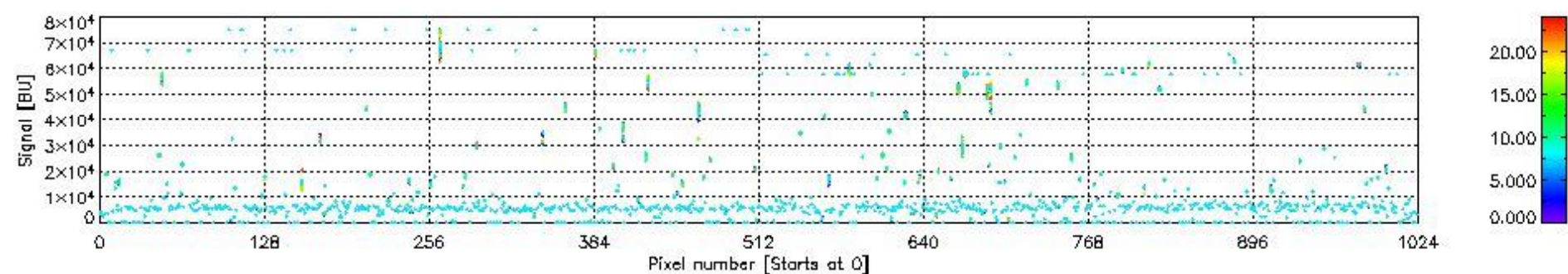
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_5.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



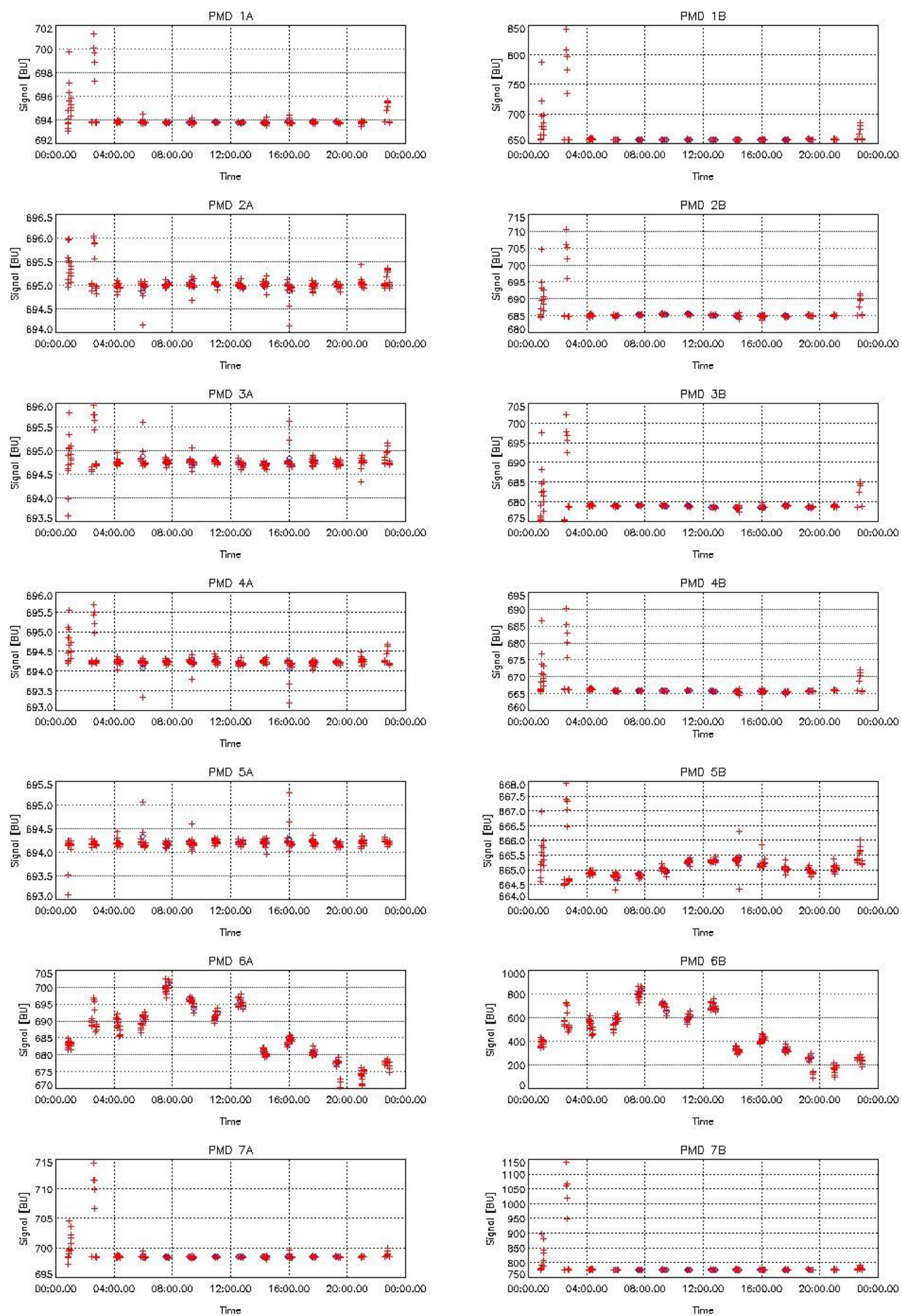
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_6.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00

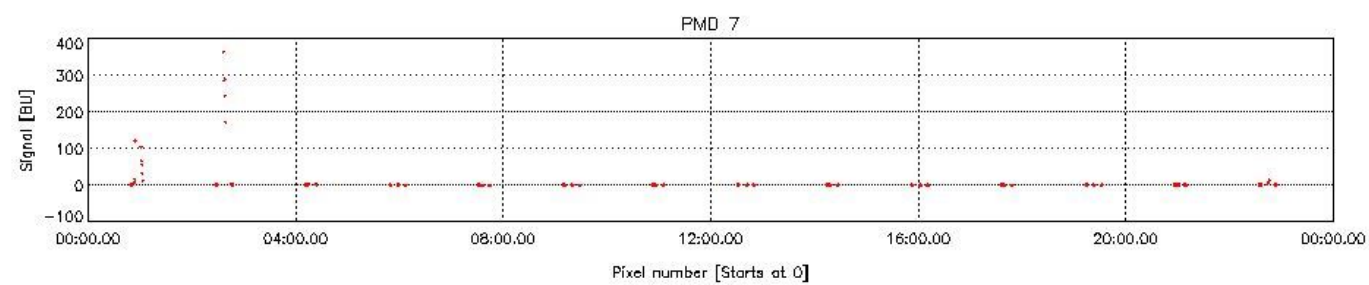
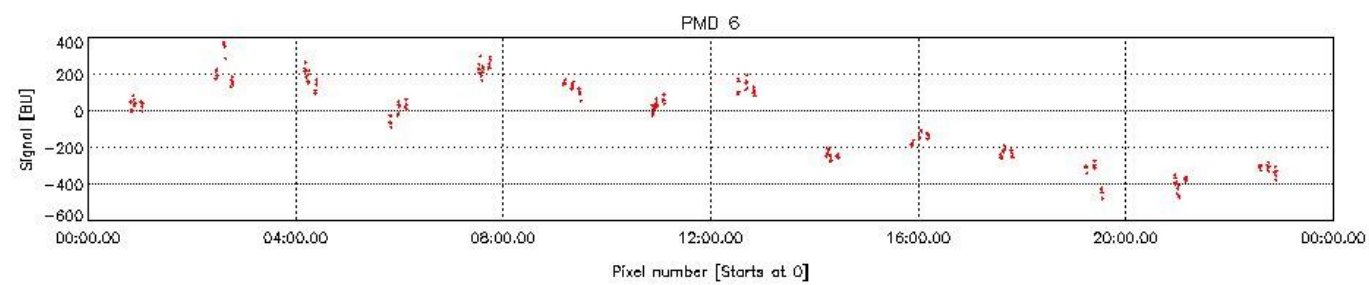
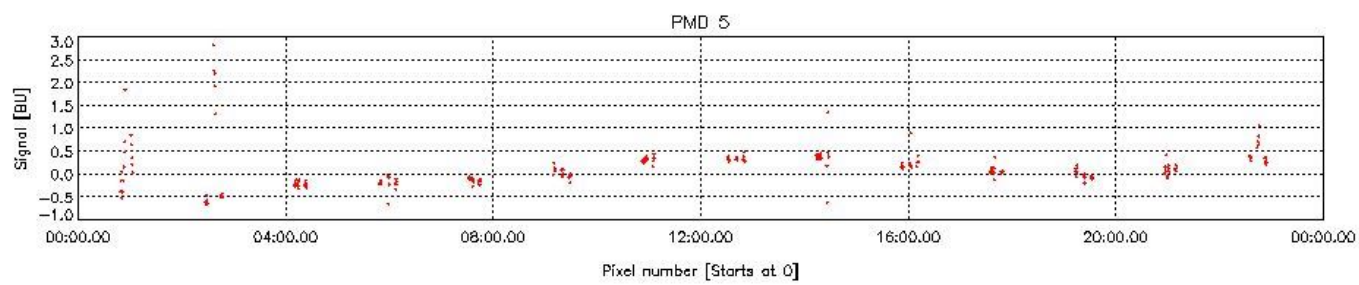
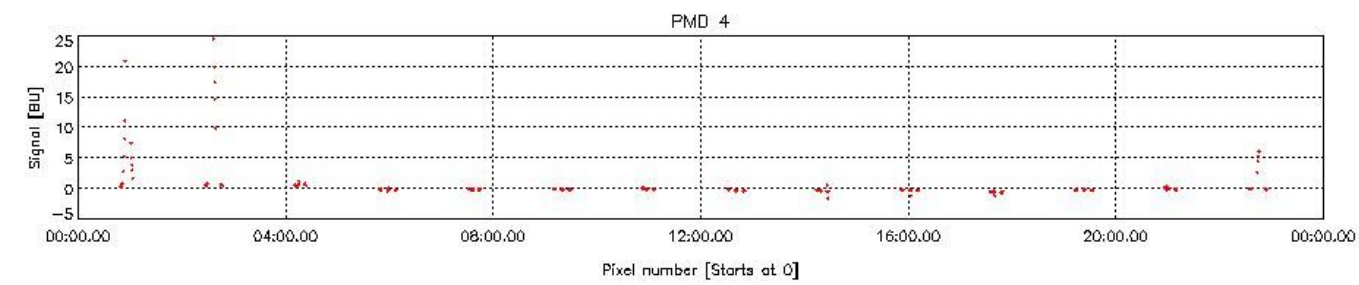
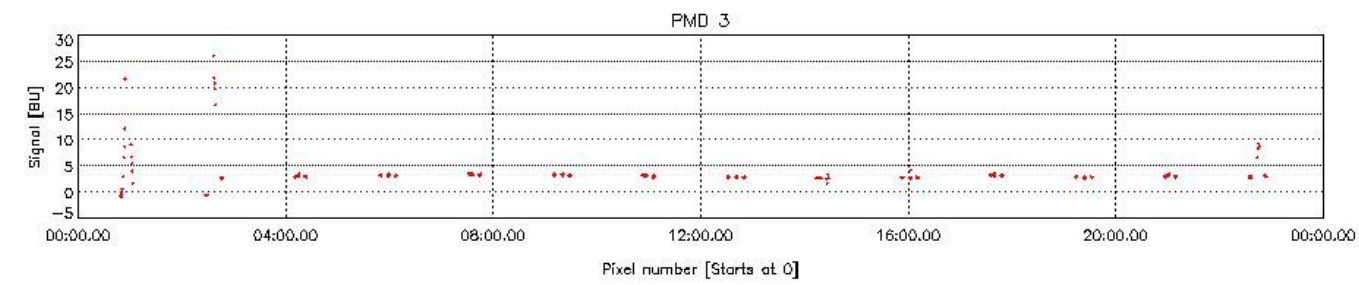
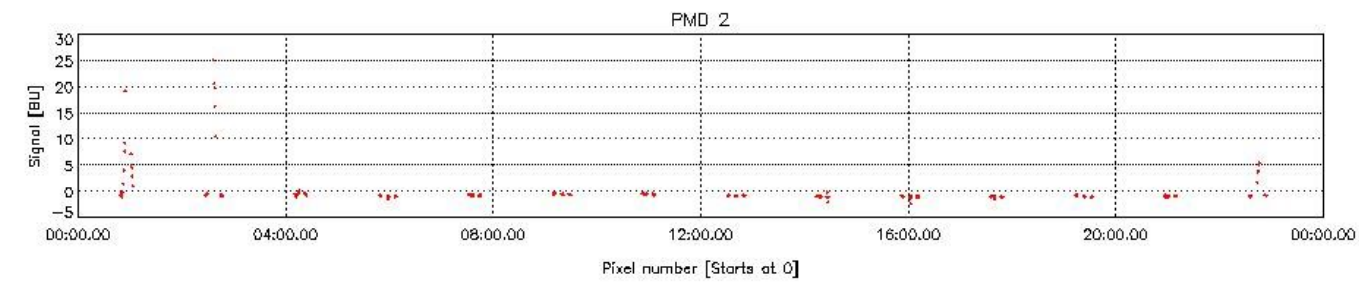
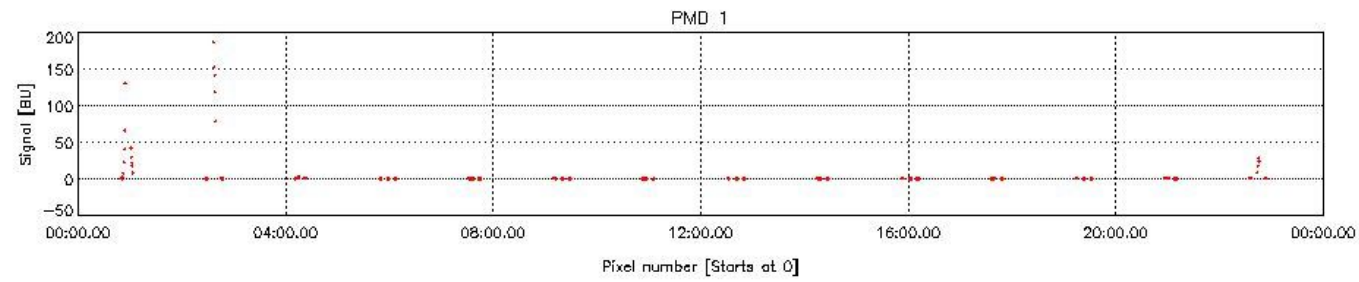


sciamachy_daily_report_level1_SCIA_6_03_N_20080413_7.PNG

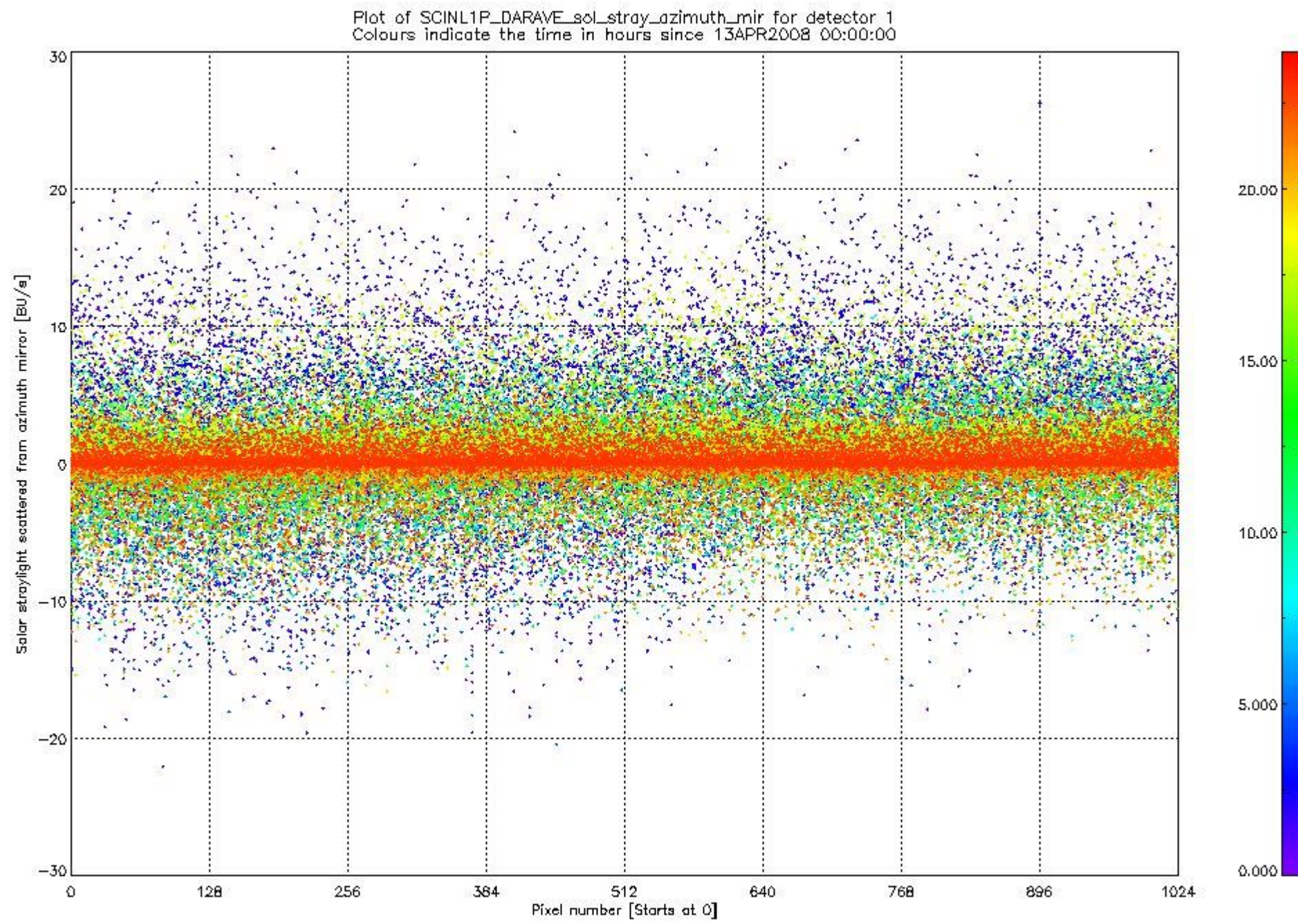
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 13APR2008 (red).
New leakage current offset data is given in blue for comparison.



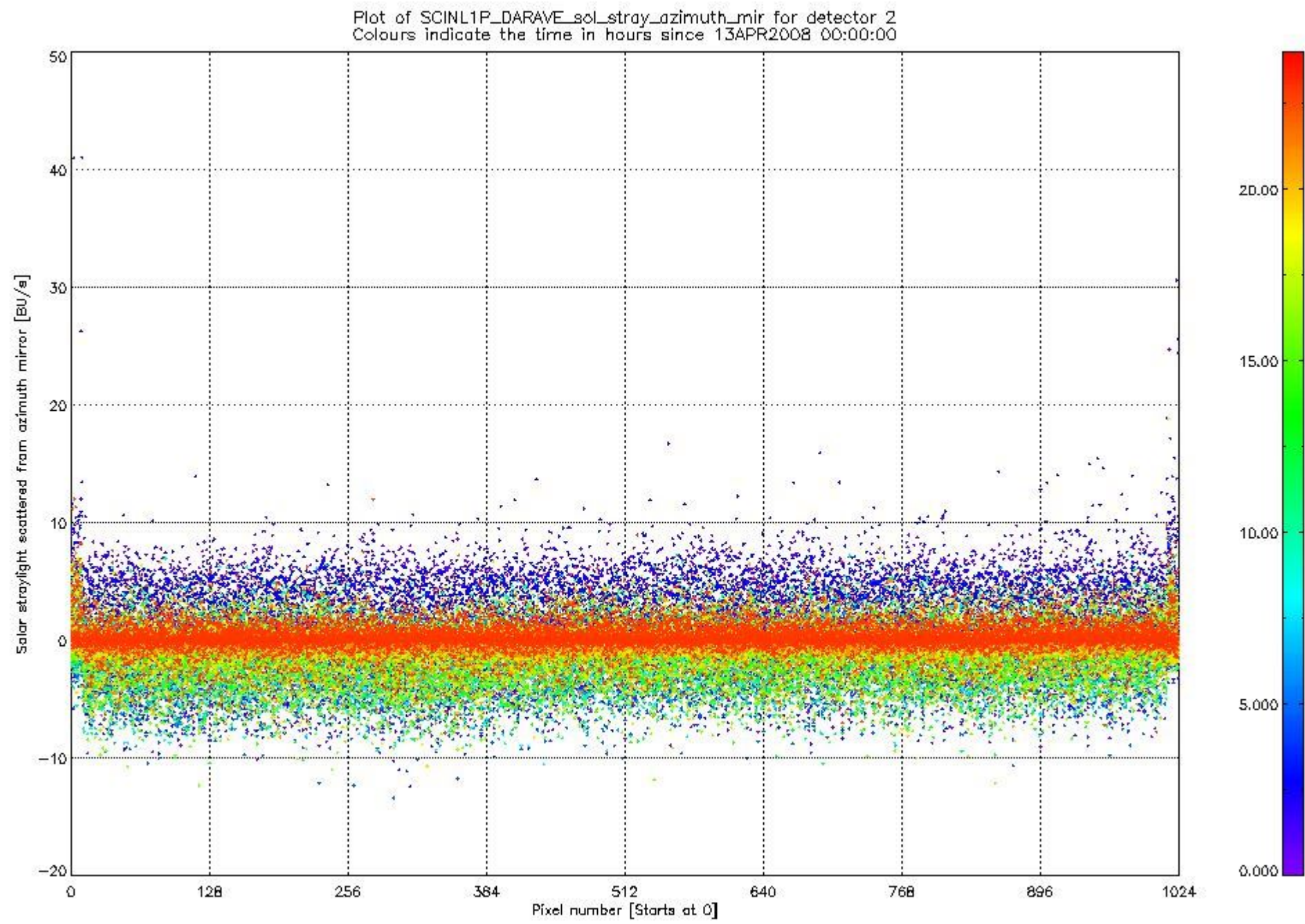
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_8.PNG



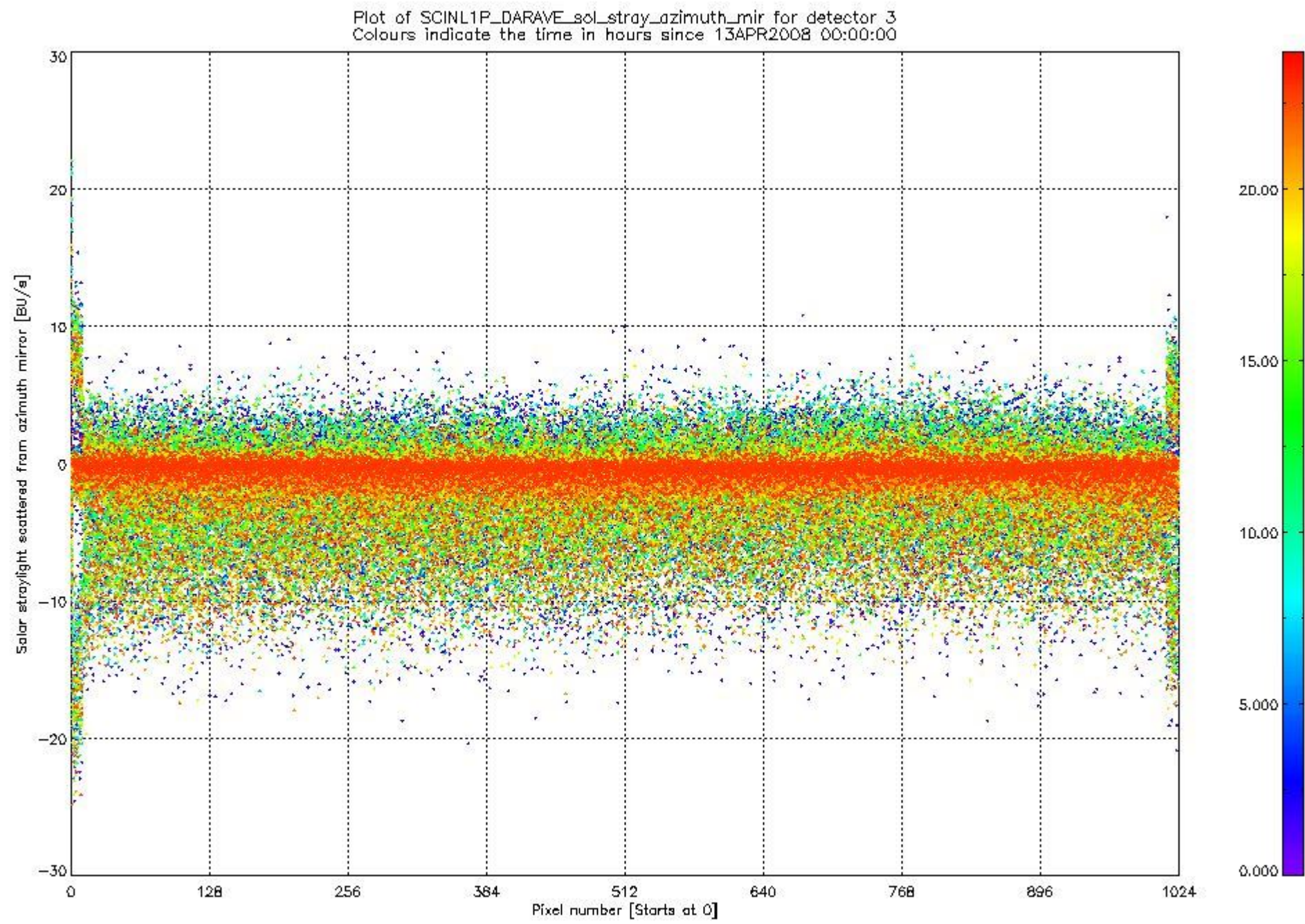
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_9.PNG



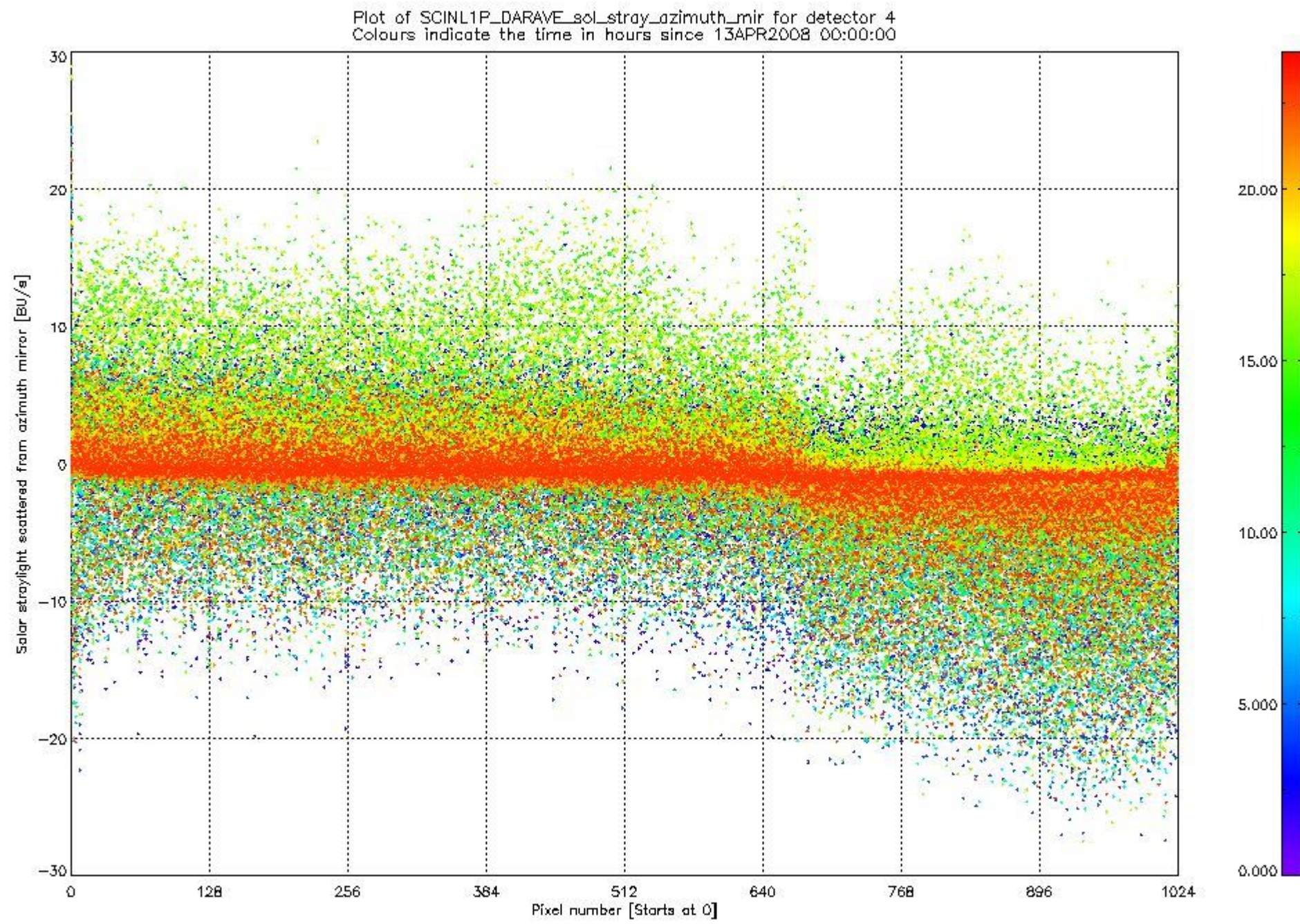
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_10.PNG



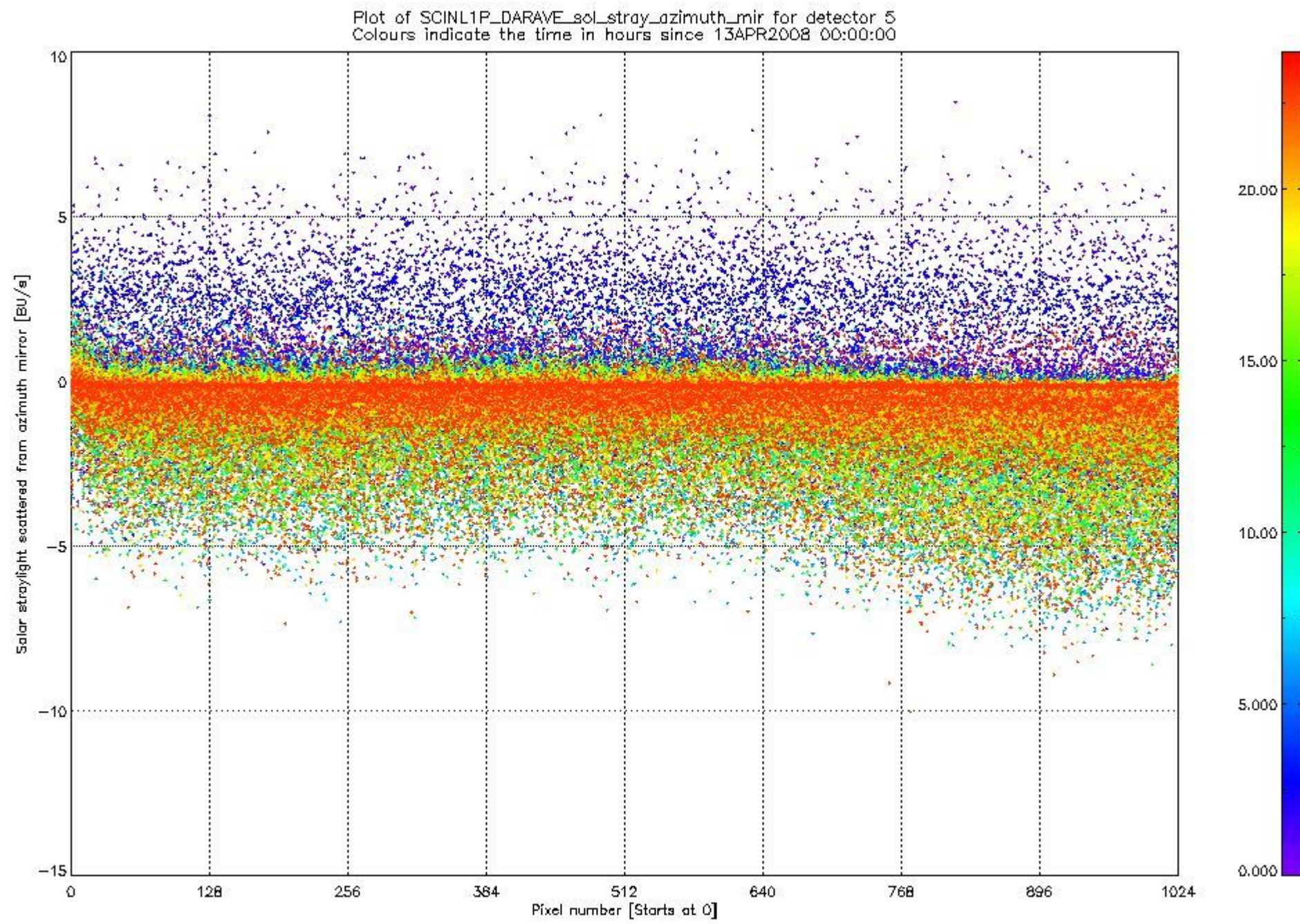
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_11.PNG



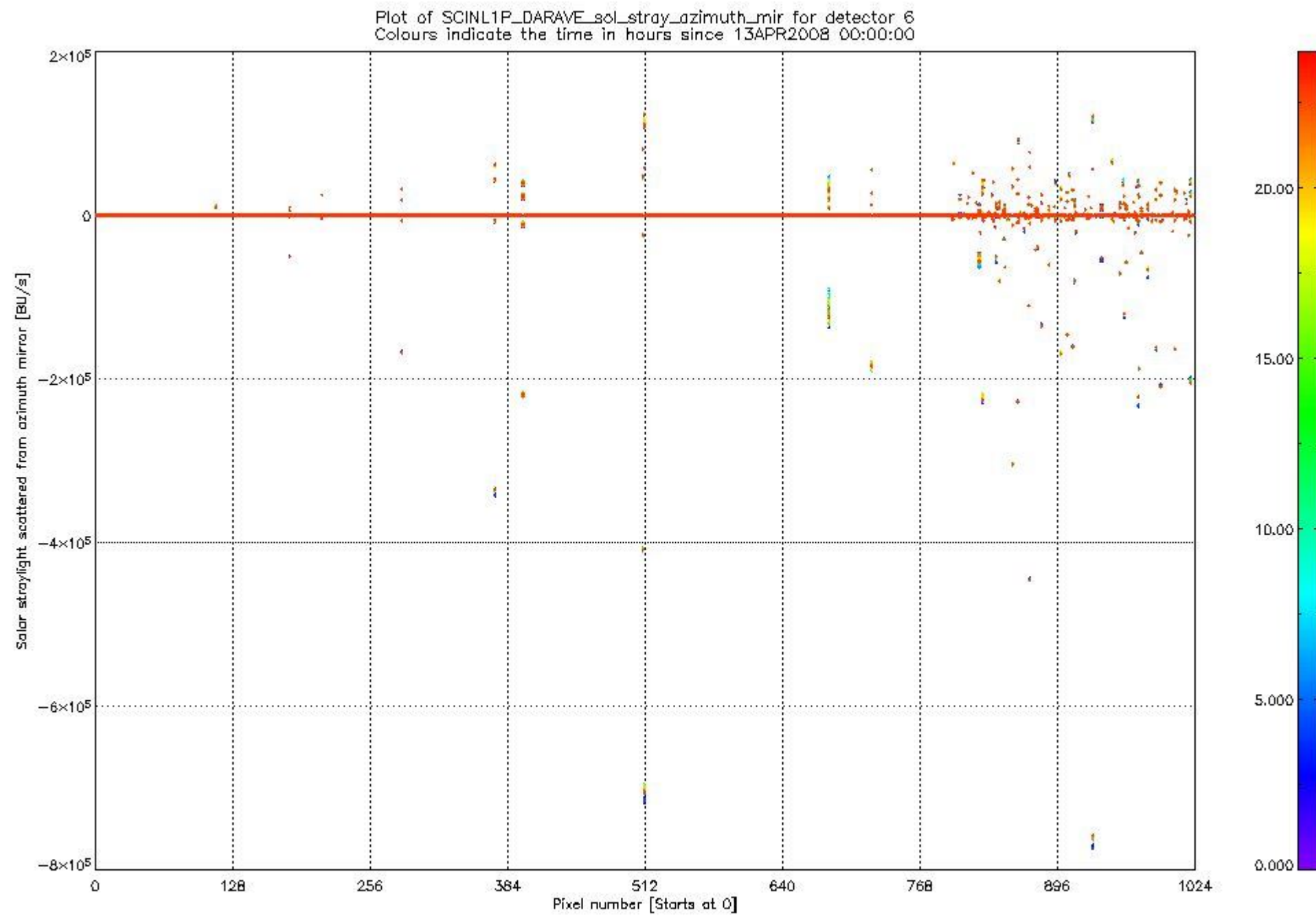
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_12.PNG



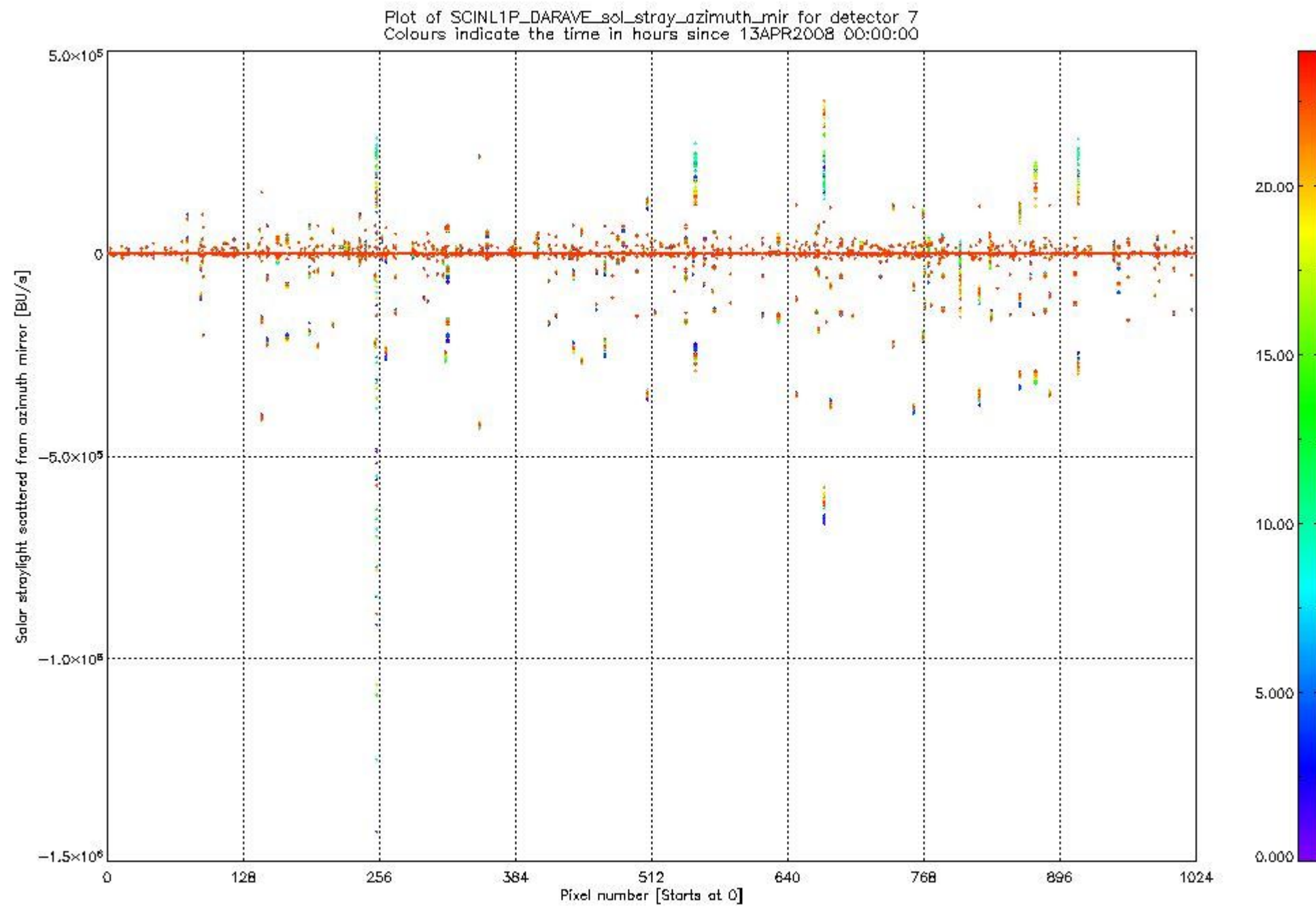
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_13.PNG



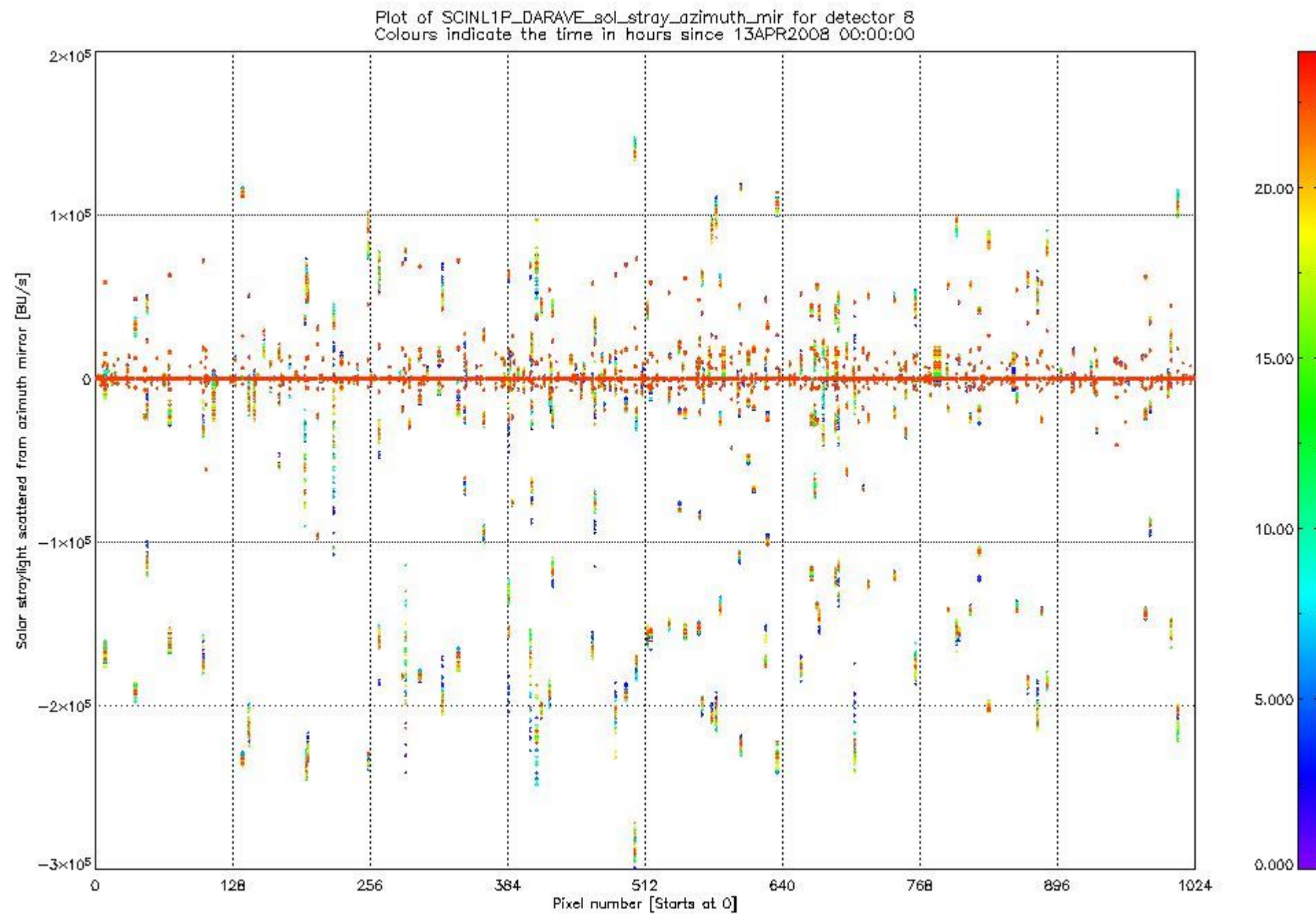
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_14.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_15.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_16.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_17.PNG

1.2.2 New leakage current parameters

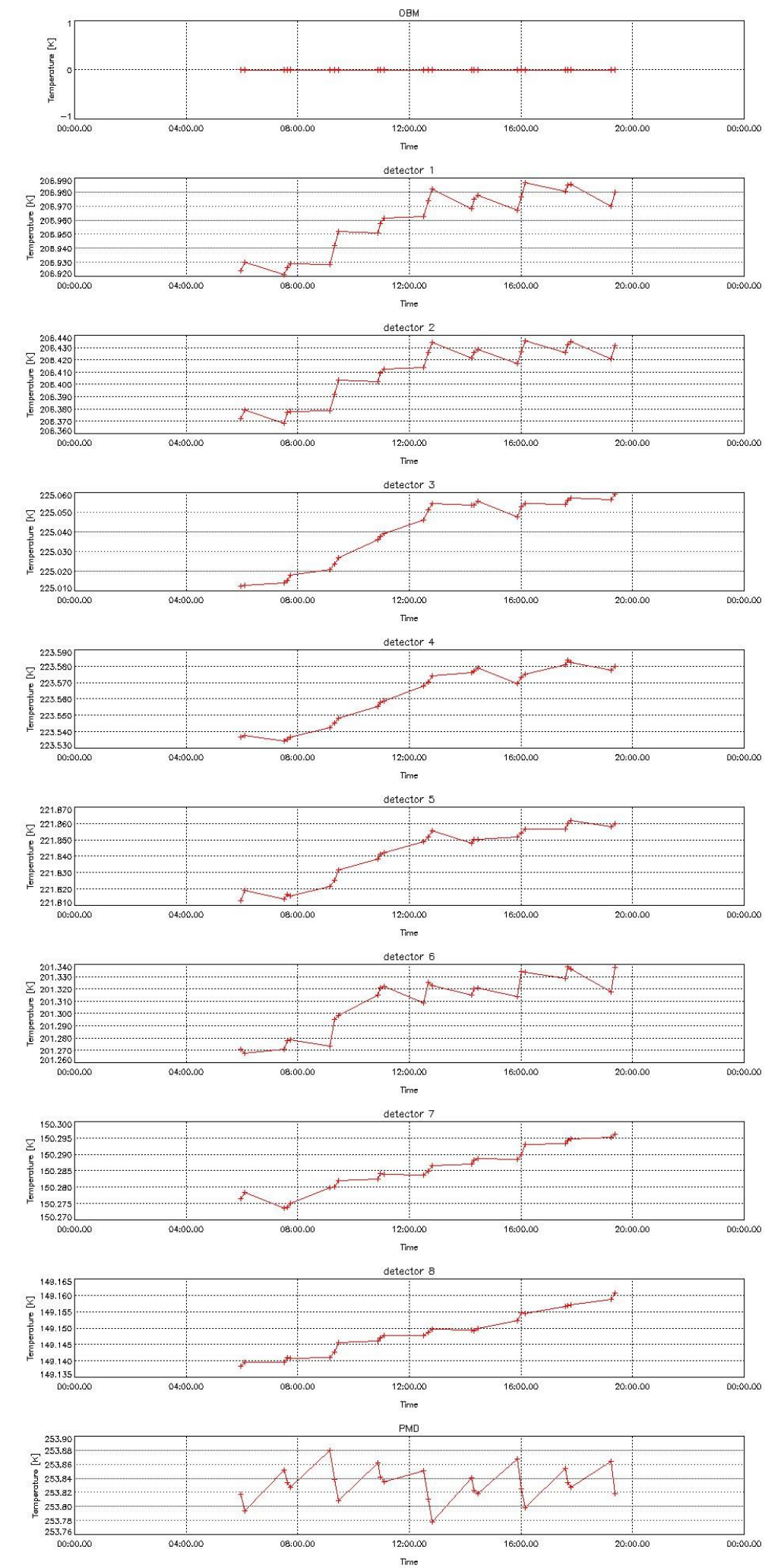
This section lists properties of the new leakage current data within the processing scope.

The following table shows the new leakage measurement data characteristics.

#	dsr_time	attach	orb_phase
0	13APR2008 05:57:41	1	0.231800
1	13APR2008 06:06:17	1	0.317400
2	13APR2008 07:31:08	1	0.174778
3	13APR2008 07:36:40	1	0.251333
4	13APR2008 07:44:29	1	0.286000
5	13APR2008 09:09:31	1	0.138800
6	13APR2008 09:18:52	1	0.231800
7	13APR2008 09:27:28	1	0.317400
8	13APR2008 10:52:19	1	0.174778
9	13APR2008 10:57:51	1	0.251333

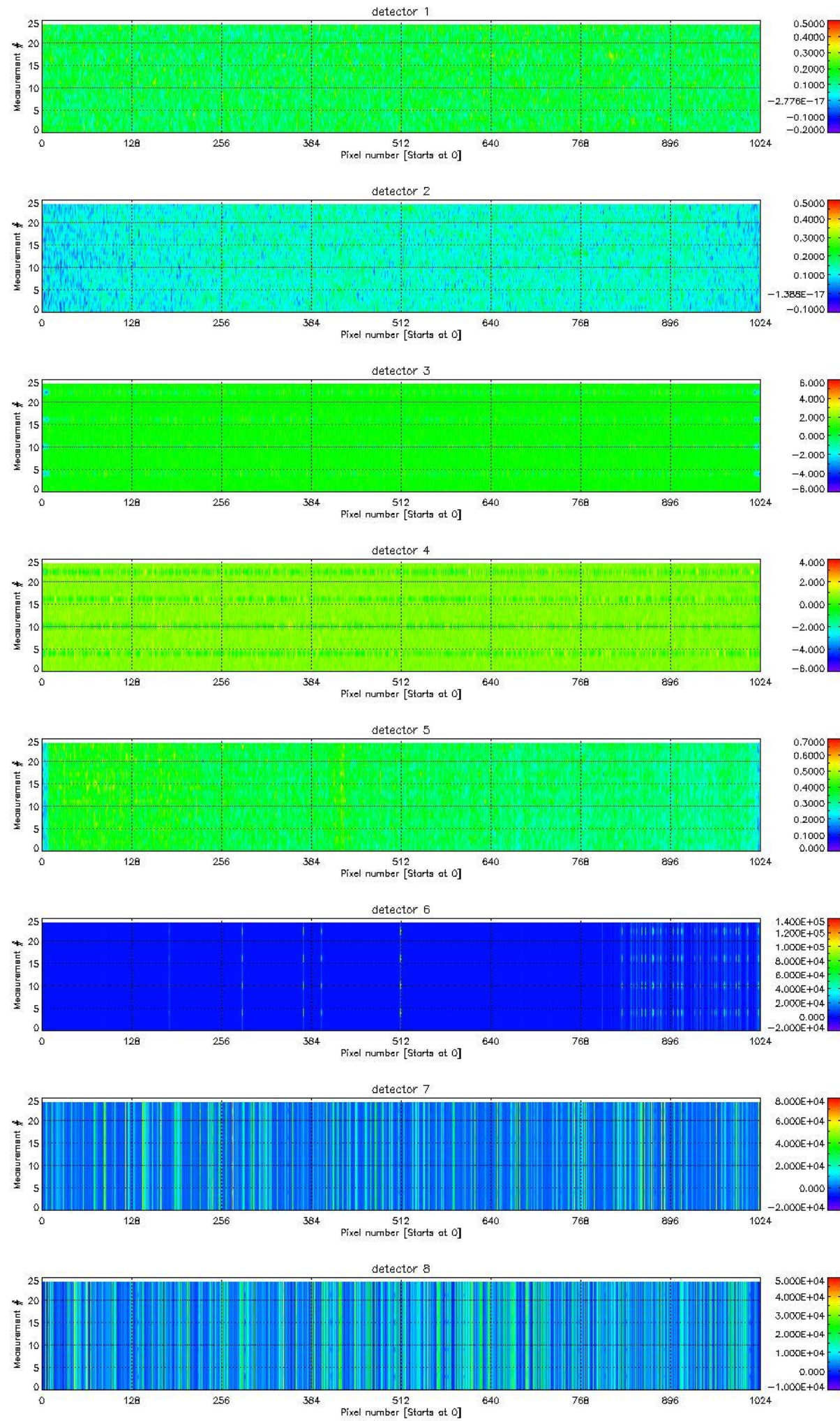
10	13APR2008 11:05:40	1	0.286000
11	13APR2008 12:30:42	1	0.138800
12	13APR2008 12:40:02	1	0.231800
13	13APR2008 12:48:39	1	0.317200
14	13APR2008 14:13:30	1	0.174667
15	13APR2008 14:19:02	1	0.251333
16	13APR2008 14:26:51	1	0.286000
17	13APR2008 15:51:53	1	0.138800
18	13APR2008 16:01:13	1	0.231800
19	13APR2008 16:09:49	1	0.317200
20	13APR2008 17:34:41	1	0.174556
21	13APR2008 17:40:13	1	0.251333
22	13APR2008 17:48:02	1	0.286000
23	13APR2008 19:13:04	1	0.138800
24	13APR2008 19:22:24	1	0.231800

Plots of SCINL1P_NEWLEA_obm_det_prmd temperatures vs time on 13APR2008.



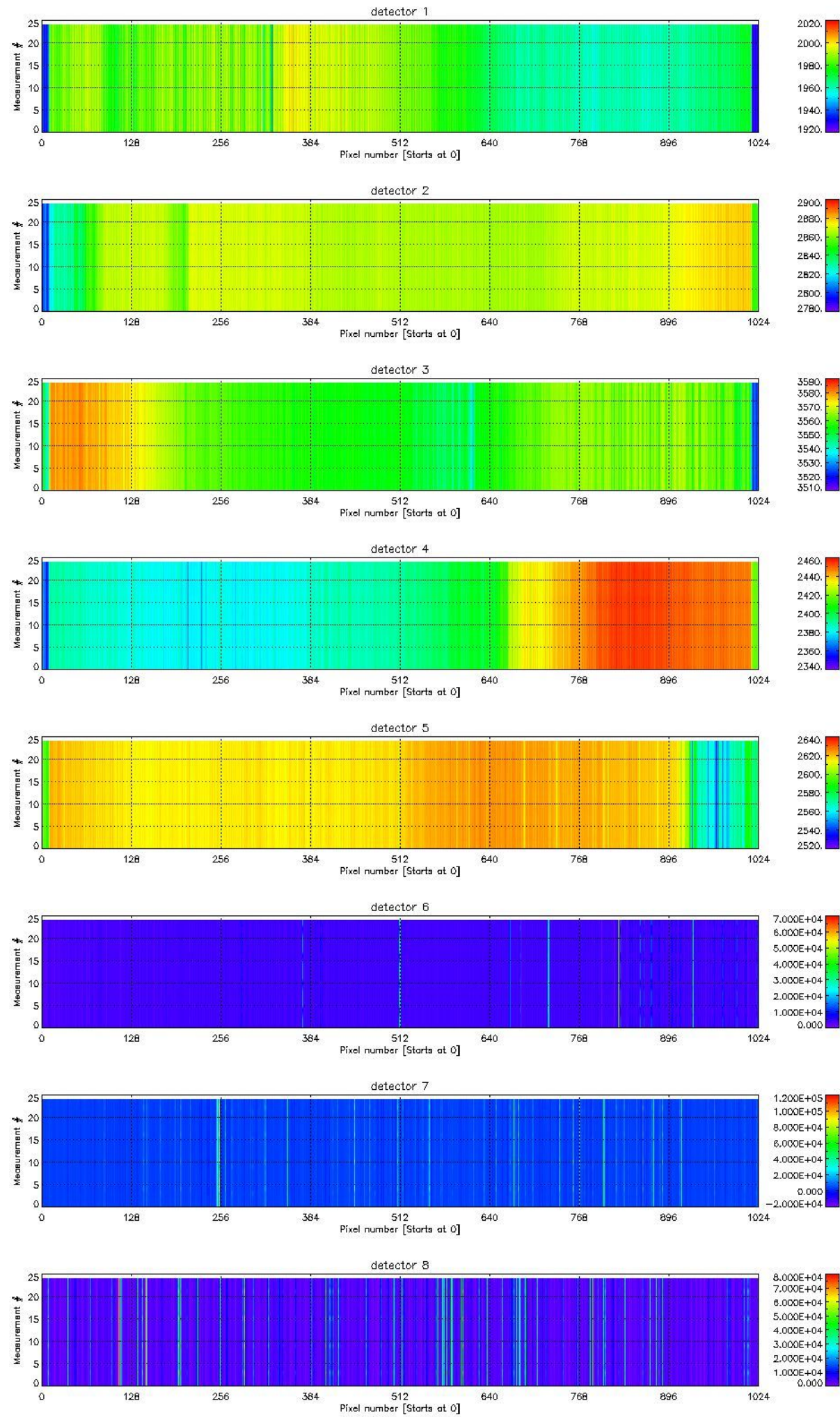
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_18.PNG

Plots of SCINLP_NEWLEA_leak_cur for various detectors on 13APR2008.
Colours indicate the value in BU/s.



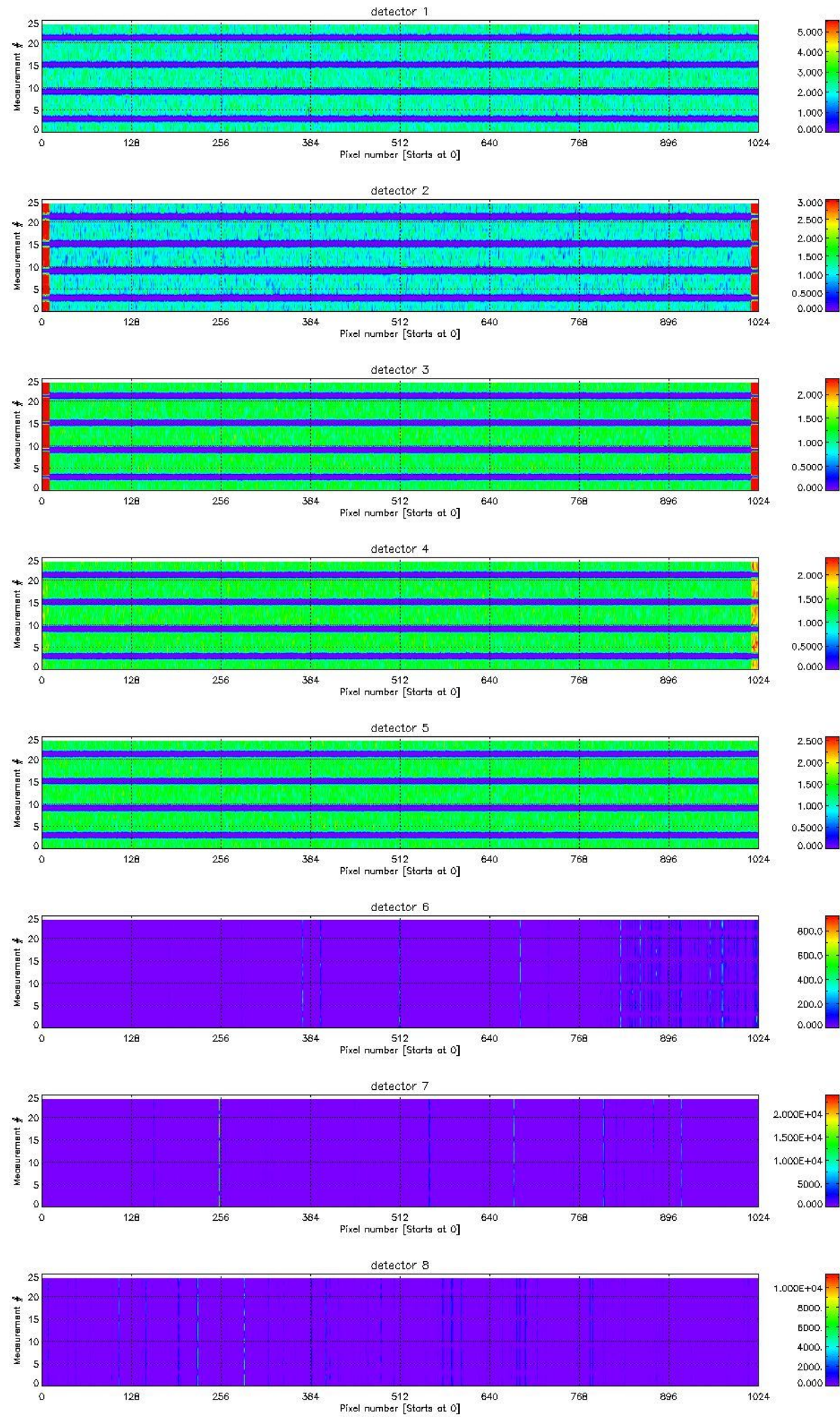
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_19.PNG

Plots of SCINLP_NEWLEA_fpn for various detectors on 13APR2008.
Colours indicate the value in BU.



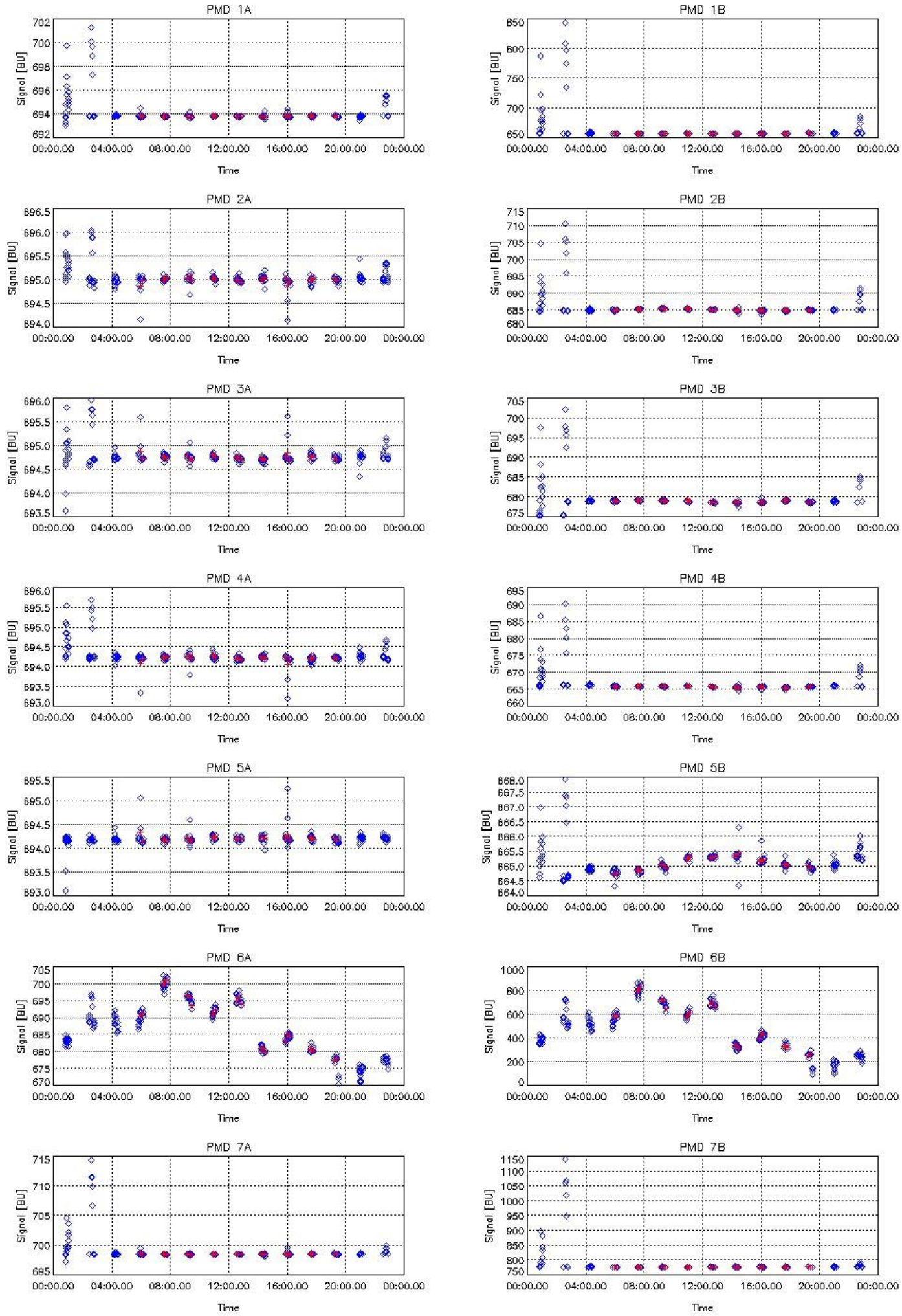
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_20.PNG

Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 13APR2008.
Colours indicate the value in BU.



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_21.PNG

Plots of SCINL1P_NEWLEA_pmd_off vs time on 13APR2008 (red).
Dark average pmd data is given in blue for comparison.



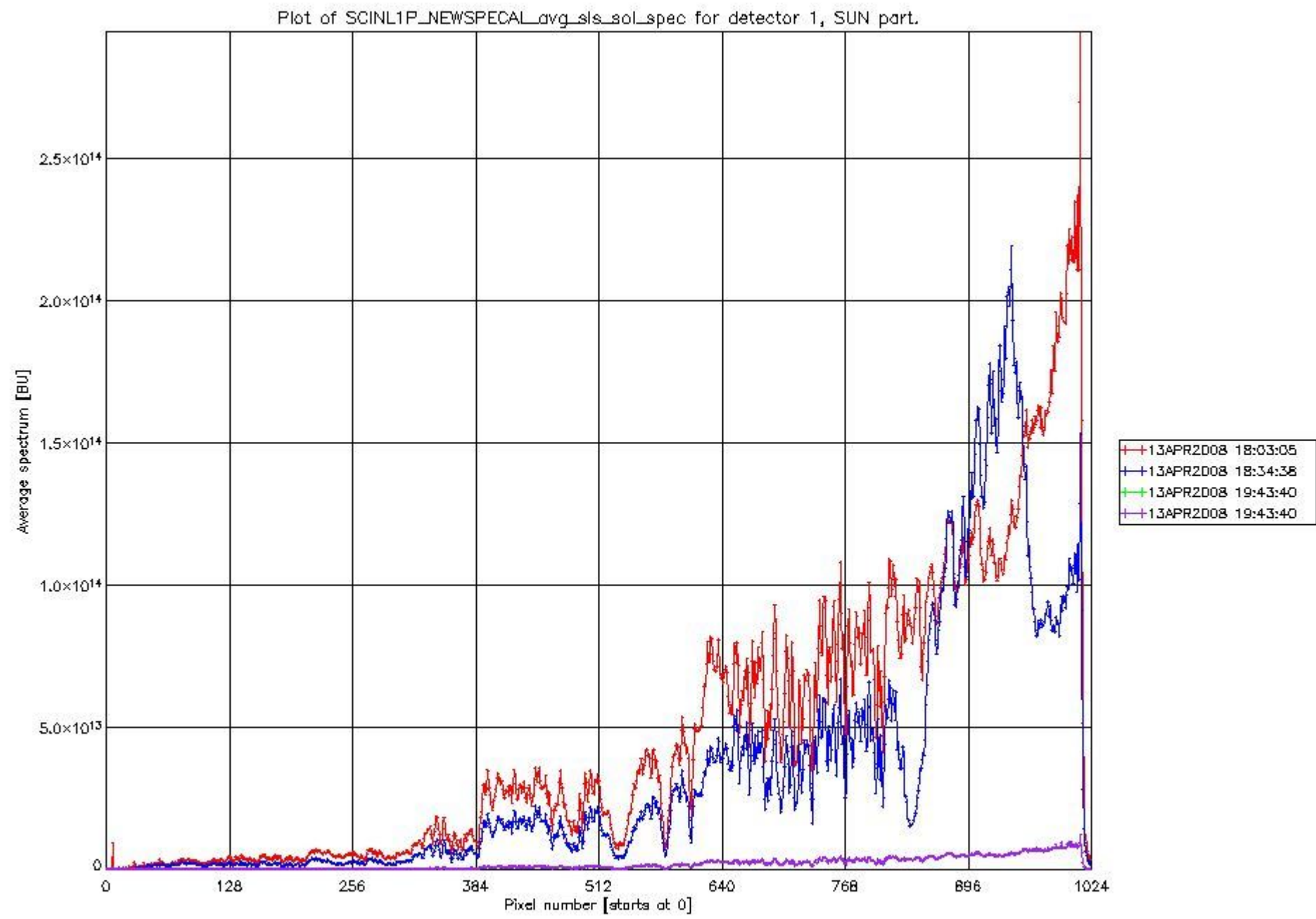
1.2.3 Spectral calibration parameters

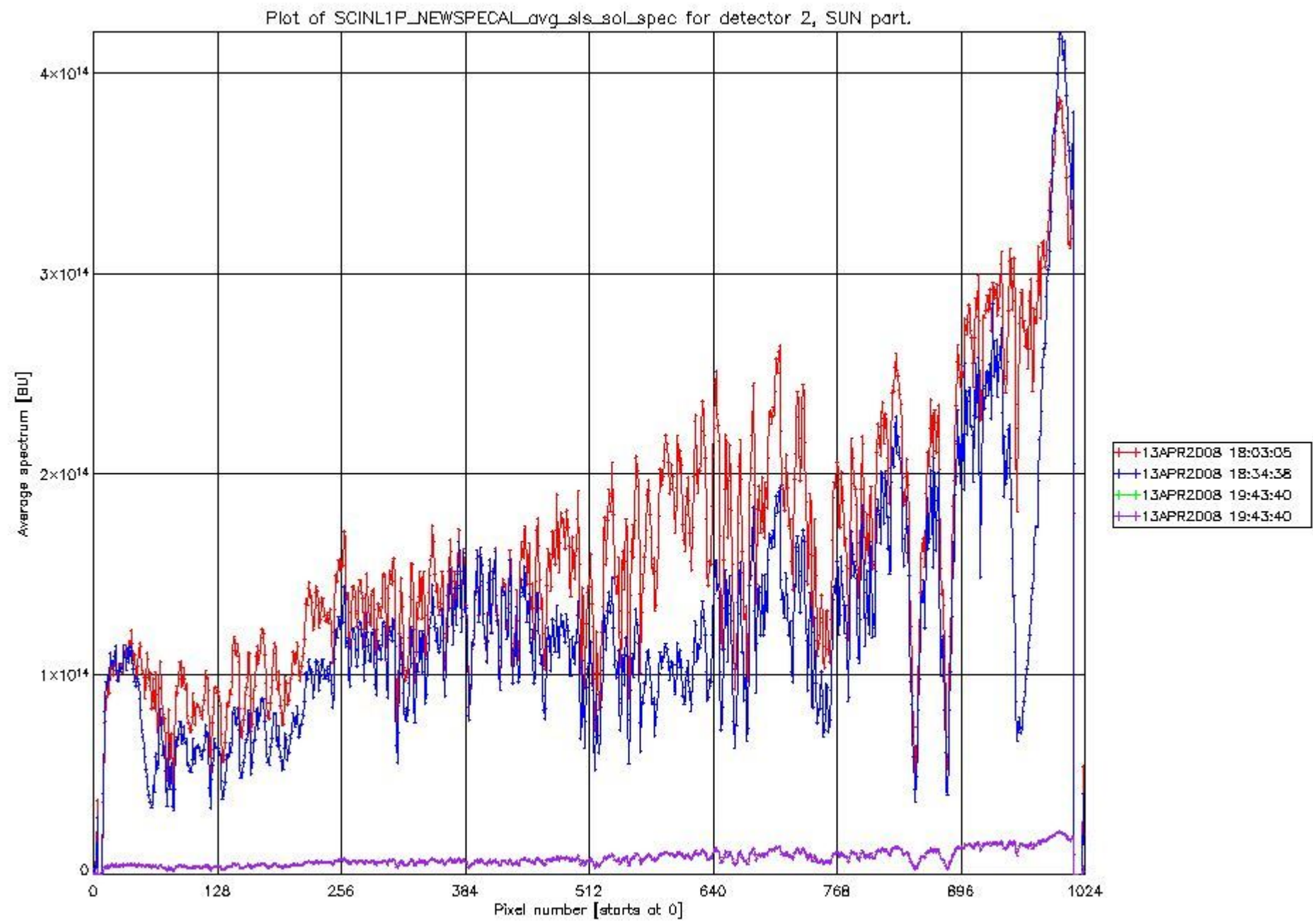
This section lists properties of the new spectral calibrations found within the processing scope.

The following table lists general properties of the spectral calibration.

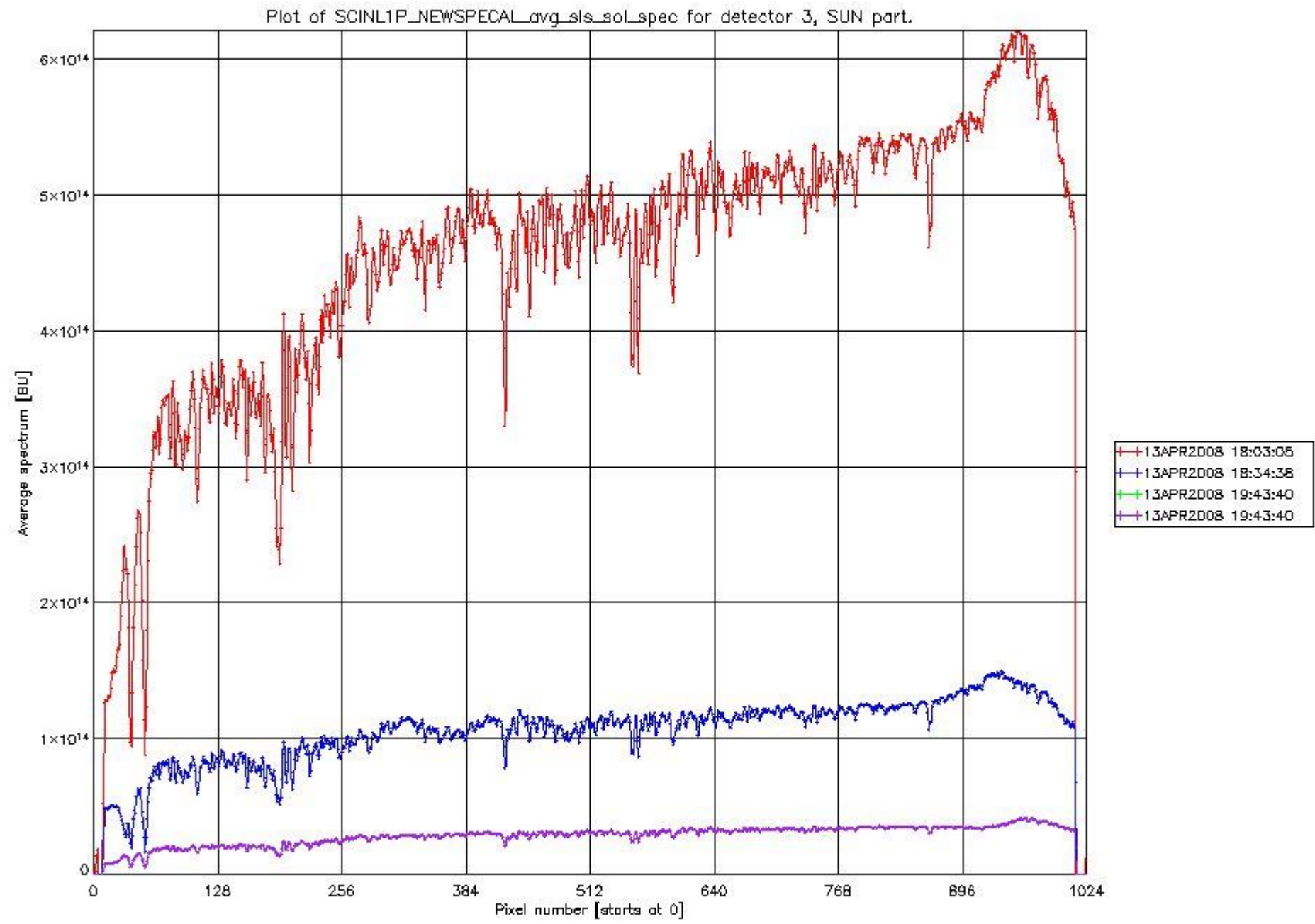
#	dsr_time	attach	orb_phase	source	#lines	cal_error [nm]	coeff[0]	coeff[1]	coeff[2]	coeff[3]	coeff[4]
0	13APR2008 18:03:05	0	0.431000	SUN	3	0.00112785	0.046267383	-5.4131964e-05	2.0197499e-08	0.0000000	0.0000000
				SUN	2	0.00403890	0.026081039	-0.00011910588	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00128648	-0.13716748	-5.0383151e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00320251	-0.18643668	-0.00010175992	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
1	13APR2008 18:34:38	0	0.744000	SUN	2	0.00445861	-0.066105112	0.00011075909	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.000999659	-0.11466556	-3.8842009e-05	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00178253	-0.21341076	-5.6619963e-05	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
2	13APR2008 19:43:40	0	0.431000	SUN	3	0.00113405	0.047662891	-5.2627613e-05	2.0195959e-08	0.0000000	0.0000000
				SUN	2	0.00381002	0.026353648	-0.00011234410	0.0000000	0.0000000	0.0000000
				SUN	2	0.00322007	-0.057548869	-0.00012521551	0.0000000	0.0000000	0.0000000
				SUN	2	0.00196949	-0.26397595	9.2913055e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00333362	-0.20032951	-0.00010592944	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
3	13APR2008 19:43:40	0	0.431000	SUN	3	0.00113356	0.047662742	-5.2627278e-05	2.0202814e-08	0.0000000	0.0000000
				SUN	2	0.00381003	0.026353654	-0.00011234413	0.0000000	0.0000000	0.0000000
				SUN	2	0.00322006	-0.057548881	-0.00012521507	0.0000000	0.0000000	0.0000000
				SUN	2	0.00196946	-0.26397580	9.2912996e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00333364	-0.20032941	-0.00010592976	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

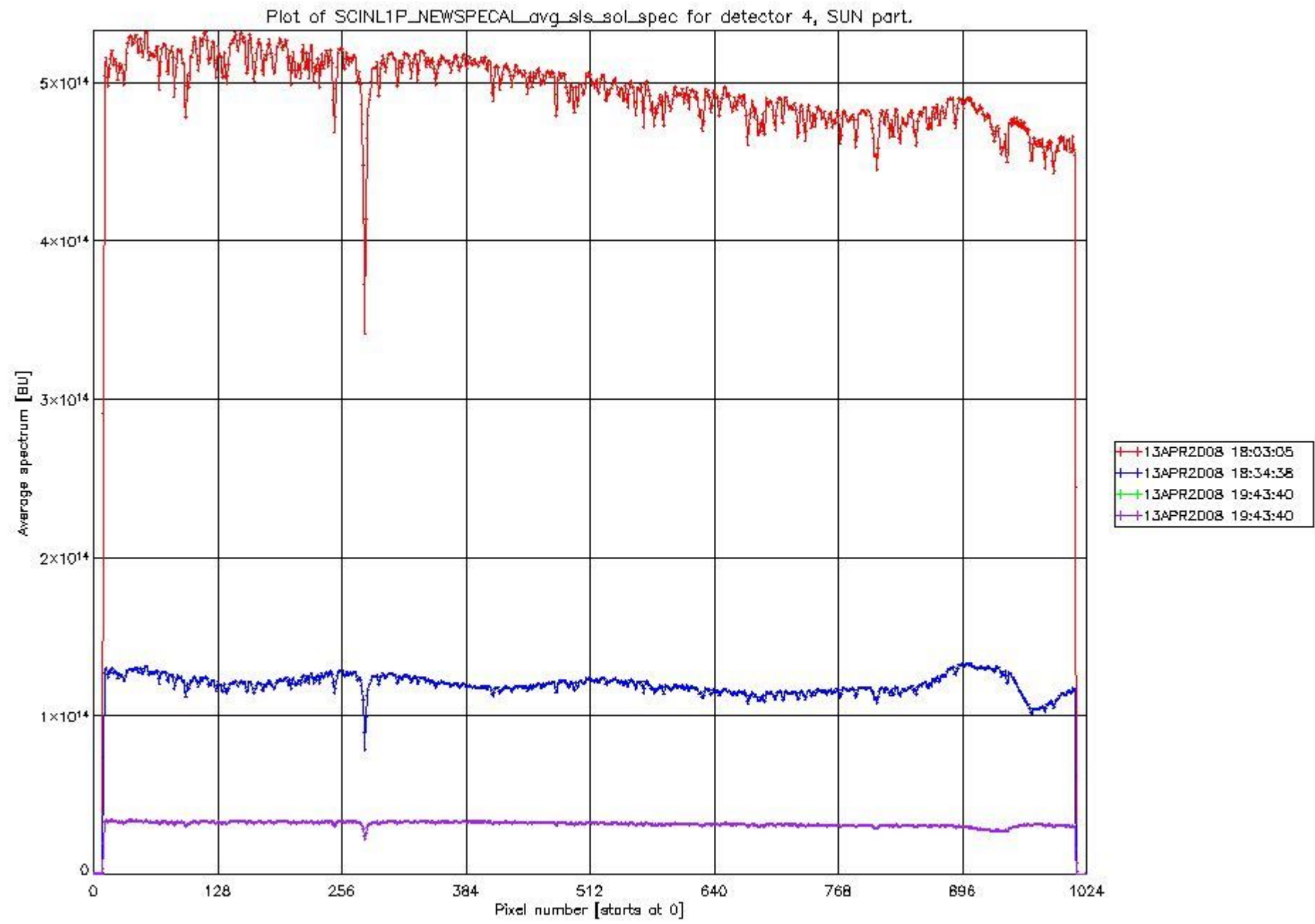
The following figures give an overview of the recorded signal for each detector.

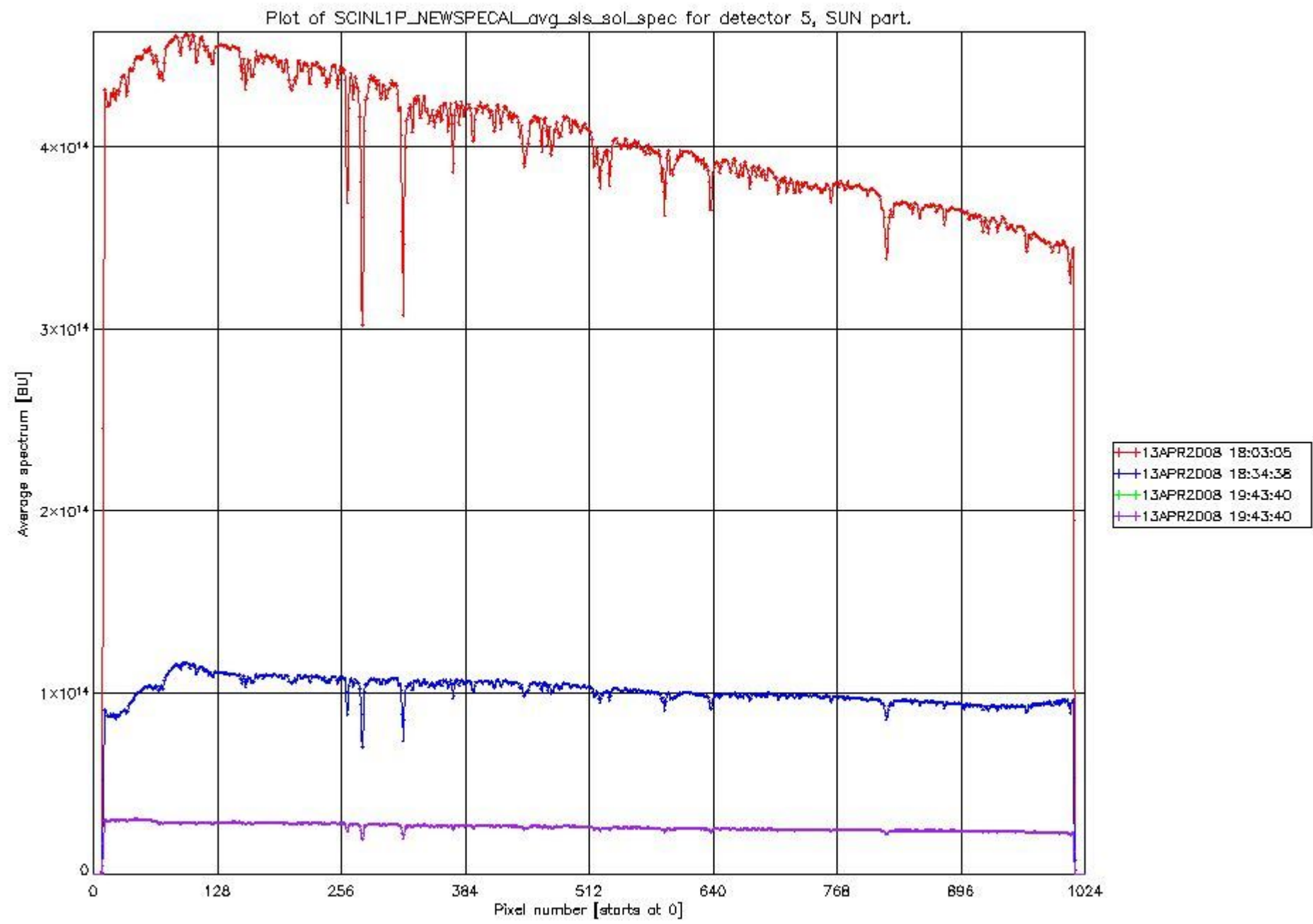


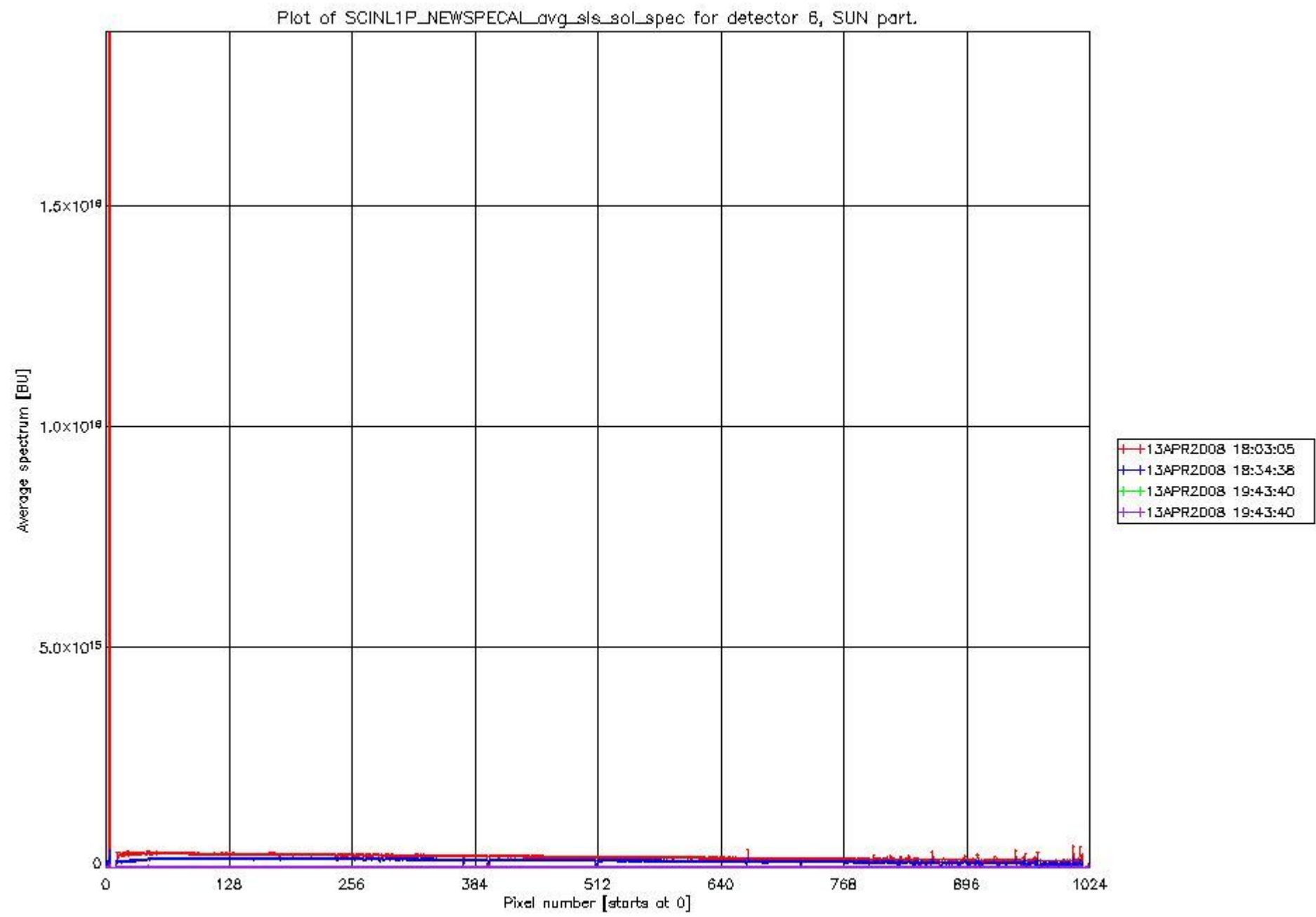


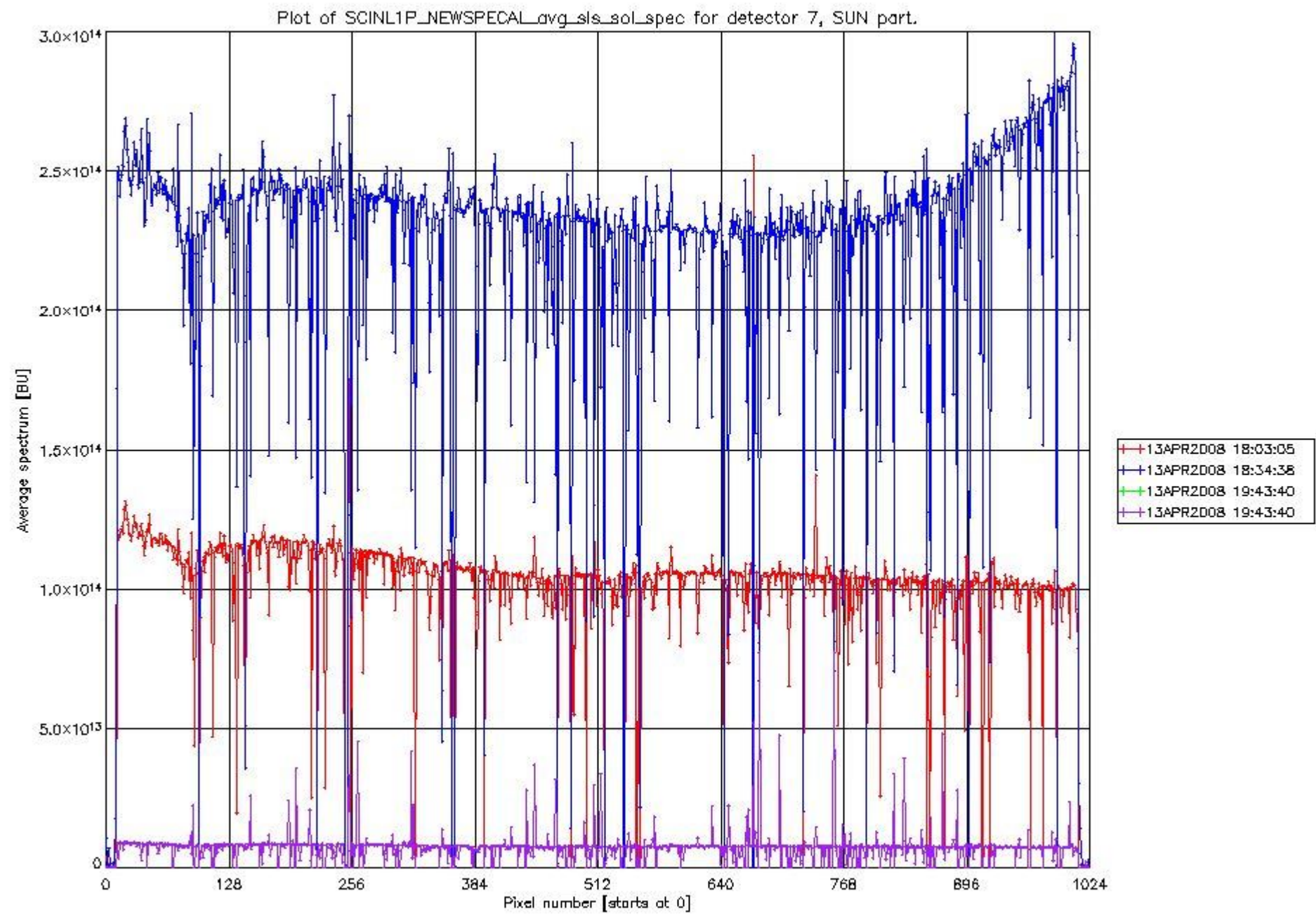
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_24.PNG

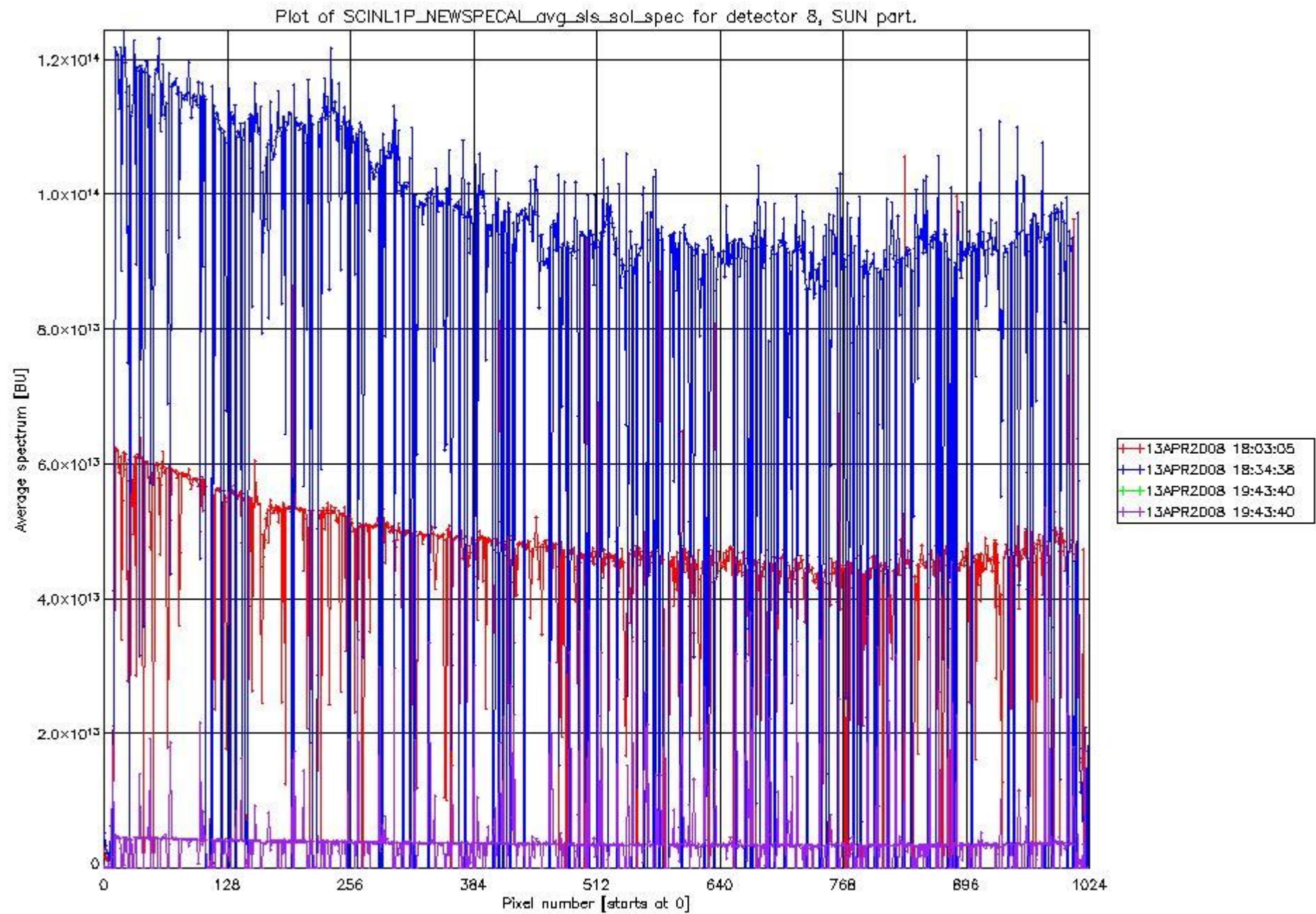












sciamachy_daily_report_level1_SCIA_6_03_N_20080413_30.PNG

The following figures give an overview of the spectra near the selected line positions.

1.2.4 New sun reference spectrum parameters

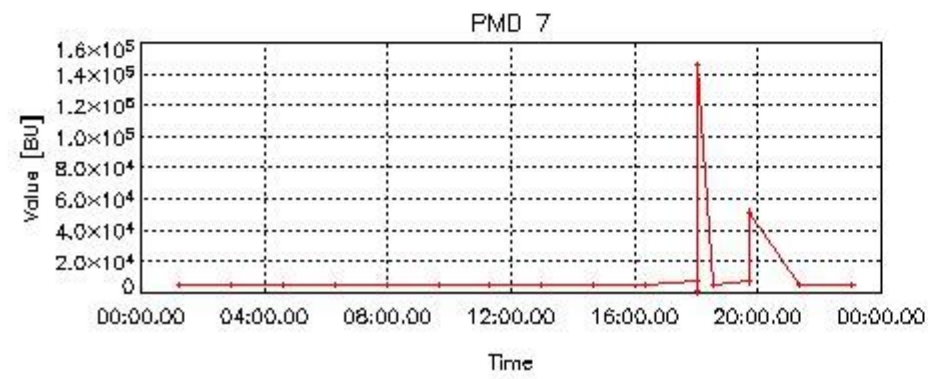
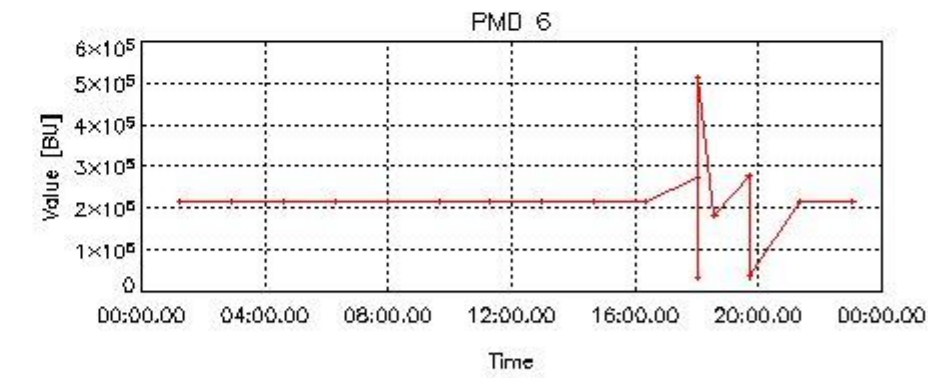
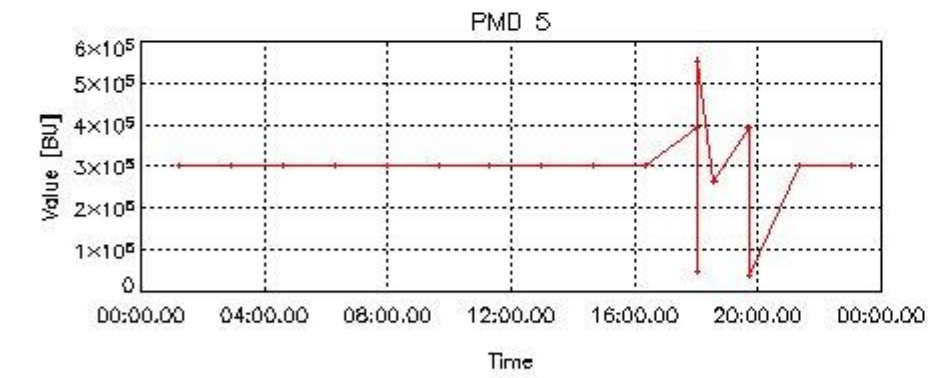
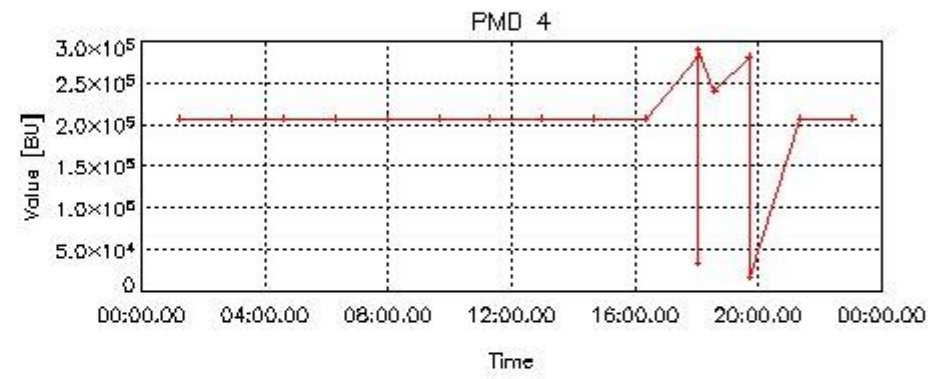
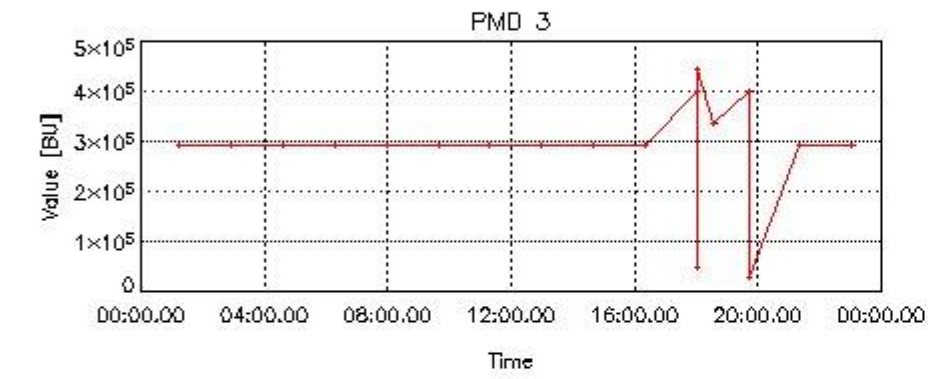
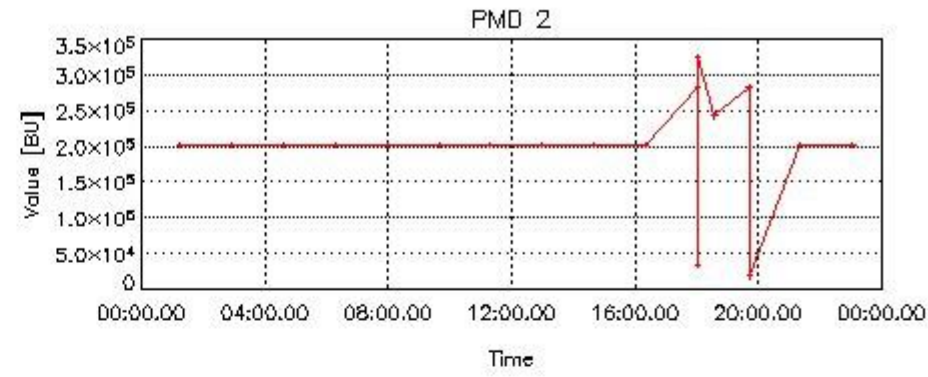
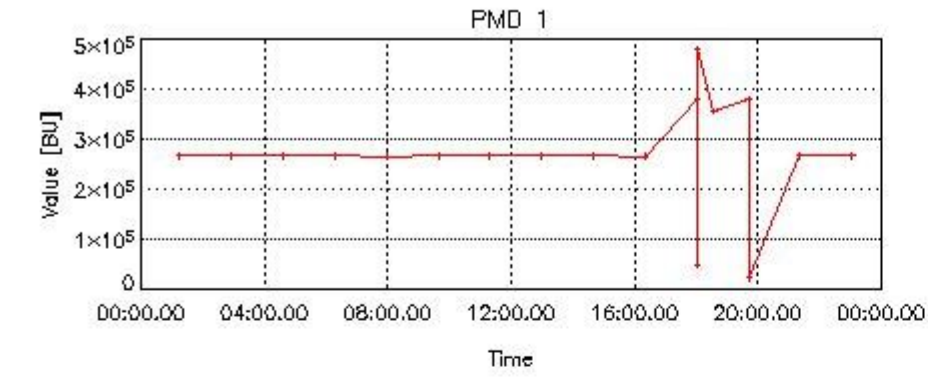
This section lists properties of the new sun reference spectrum data within the processing scope.

The following table shows the new sun reference measurement data characteristics.

#	dsr_time	attach	ID	NDF	az [deg]	el [deg]	solar_el [deg]	Doppler 500nm [nm]
0	13APR2008 01:15:13	0	O 1	1	-30.9513	-11.7573	0.00000	0.0101842
		0	U 1	1	-30.9513	-11.7573	0.00000	0.0101842
1	13APR2008 02:55:48	0	O 1	1	-30.9574	-11.7572	0.00000	0.0101854
		0	U 1	1	-30.9574	-11.7572	0.00000	0.0101854
2	13APR2008 04:36:24	0	O 1	1	-30.9641	-11.7561	0.00000	0.0101870
		0	U 1	1	-30.9641	-11.7561	0.00000	0.0101870

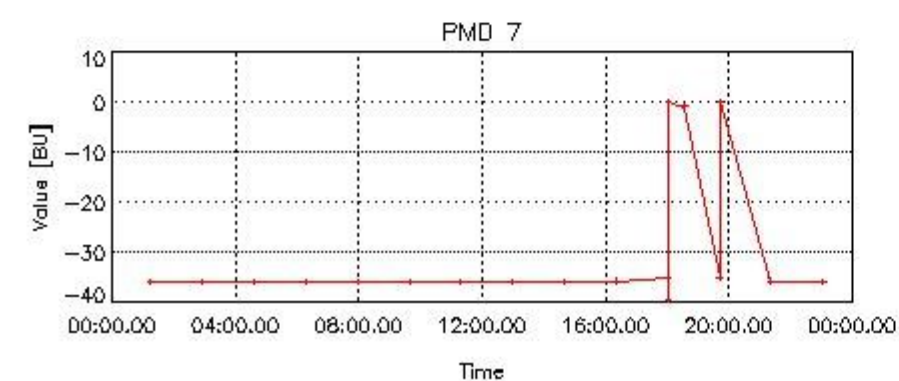
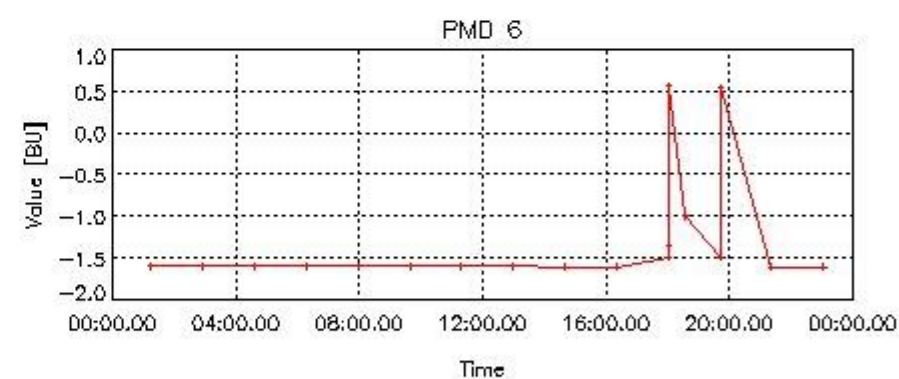
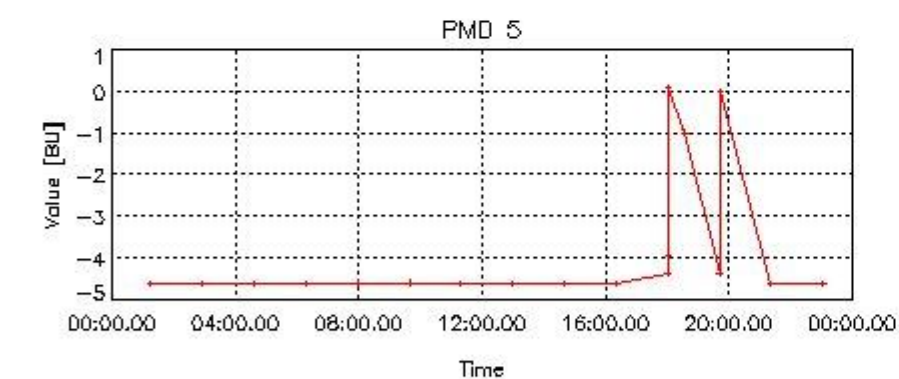
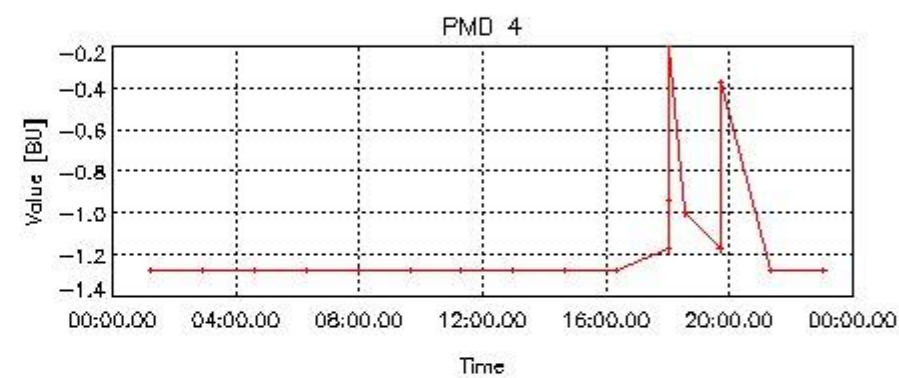
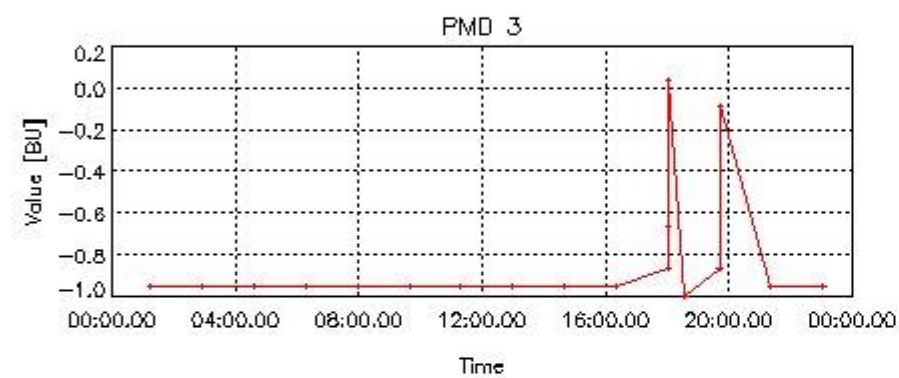
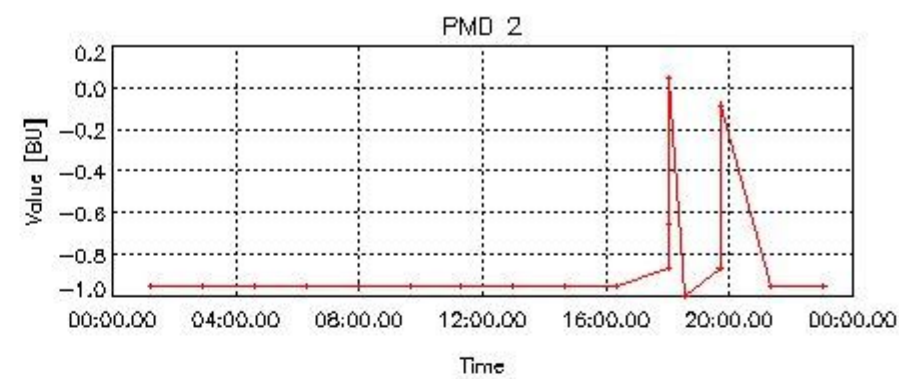
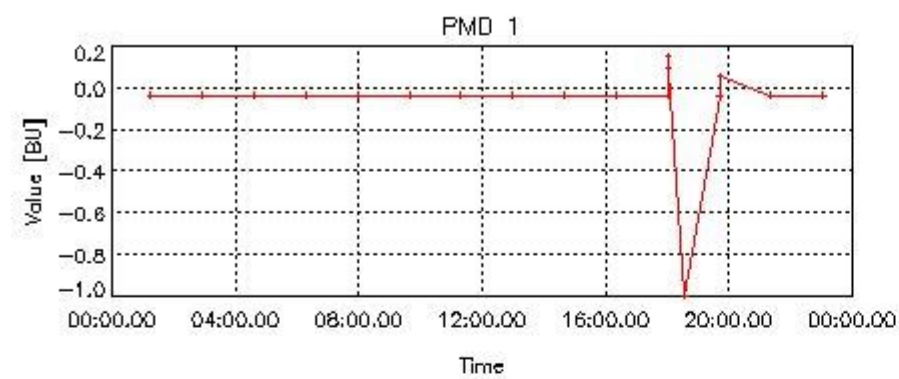
3	13APR2008 06:16:59	0 0	O U	1 1	-30.9710 -30.9710	-11.7549 -11.7549	0.00000 0.00000	0.0101887 0.0101887
4	13APR2008 07:57:35	0 0	O U	1 1	-30.9777 -30.9777	-11.7543 -11.7543	0.00000 0.00000	0.0101901 0.0101901
5	13APR2008 09:38:11	0 0	O U	1 1	-30.9842 -30.9842	-11.7543 -11.7543	0.00000 0.00000	0.0101913 0.0101913
6	13APR2008 11:18:46	0 0	O U	1 1	-30.9904 -30.9904	-11.7544 -11.7544	0.00000 0.00000	0.0101925 0.0101925
7	13APR2008 12:59:21	0 0	O U	1 1	-30.9965 -30.9965	-11.7547 -11.7547	0.00000 0.00000	0.0101935 0.0101935
8	13APR2008 14:39:57	0 0	O U	1 1	-31.0025 -31.0025	-11.7552 -11.7552	0.00000 0.00000	0.0101944 0.0101944
9	13APR2008 16:20:33	0 0	O U	1 1	-31.0090 -31.0090	-11.7557 -11.7557	0.00000 0.00000	0.0101954 0.0101954
10	13APR2008 18:01:08	0 0	O U	1 1	-30.8386 -30.8386	-12.5641 -12.5641	0.00000 0.00000	0.0100351 0.0100351
11	13APR2008 18:02:28	0 0	O U	1 1	-30.8945 -30.8945	-11.9309 -11.9309	0.00000 0.00000	0.0101461 0.0101461
12	13APR2008 18:03:05	0 0	D E	1 1	-31.1408 -31.1408	-15.0000 -15.0000	21.6935 21.6935	0.0103749 0.0103749
13	13APR2008 18:34:38	0 0	S V	1 1	5.93466e-05 5.93466e-05	58.8900 58.8900	0.00000 0.00000	0.00000 0.00000
14	13APR2008 19:41:44	0 0	O U	1 1	-30.8453 -30.8453	-12.5623 -12.5623	0.00000 0.00000	0.0100368 0.0100368
15	13APR2008 19:43:40	0 0	D A	0 0	-1.99937 -1.99937	-11.2550 -11.2550	21.6938 21.6938	0.0103764 0.0103764
16	13APR2008 19:43:40	0 0	D A	0 0	-1.99937 -1.99937	-11.2550 -11.2550	21.6938 21.6938	0.0103764 0.0103764
17	13APR2008 21:22:19	0 0	O U	1 1	-31.0297 -31.0297	-11.7535 -11.7535	0.00000 0.00000	0.0102000 0.0102000
18	13APR2008 23:02:55	0 0	O U	1 1	-31.0364 -31.0364	-11.7532 -11.7532	0.00000 0.00000	0.0102014 0.0102014

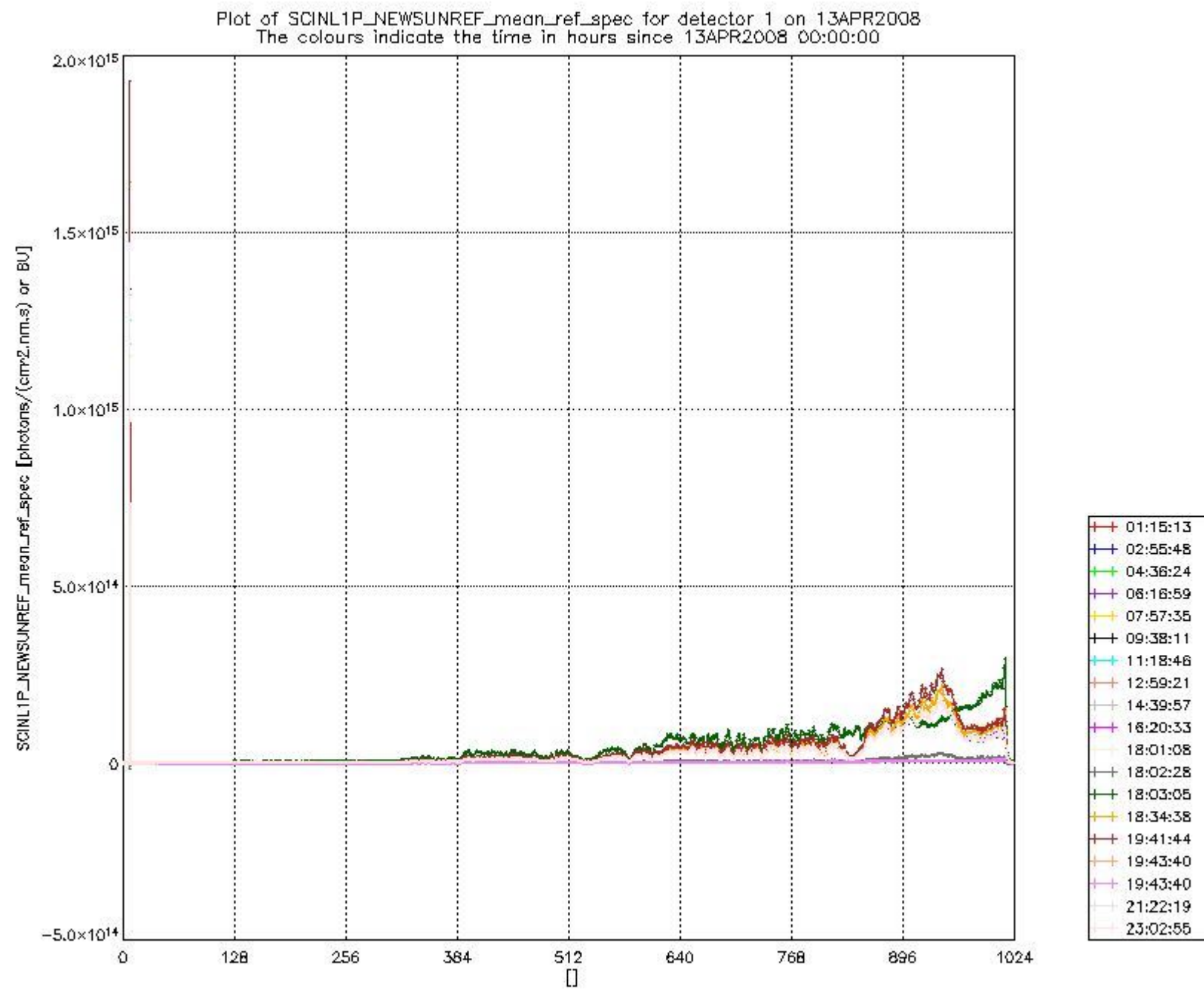
Plot of SCINL1P_NEWSUNREF_mean_pmd versus time



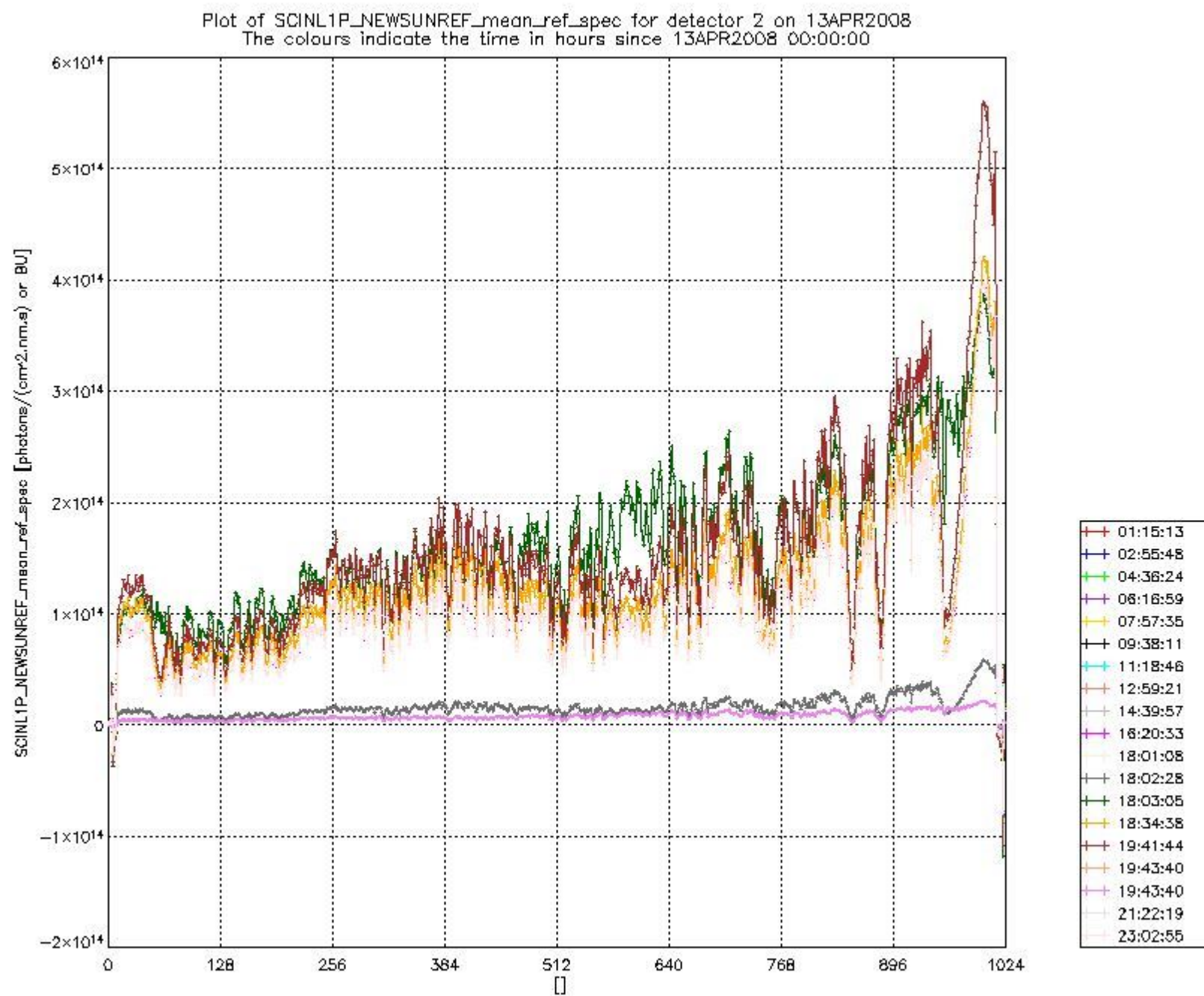
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_31.PNG

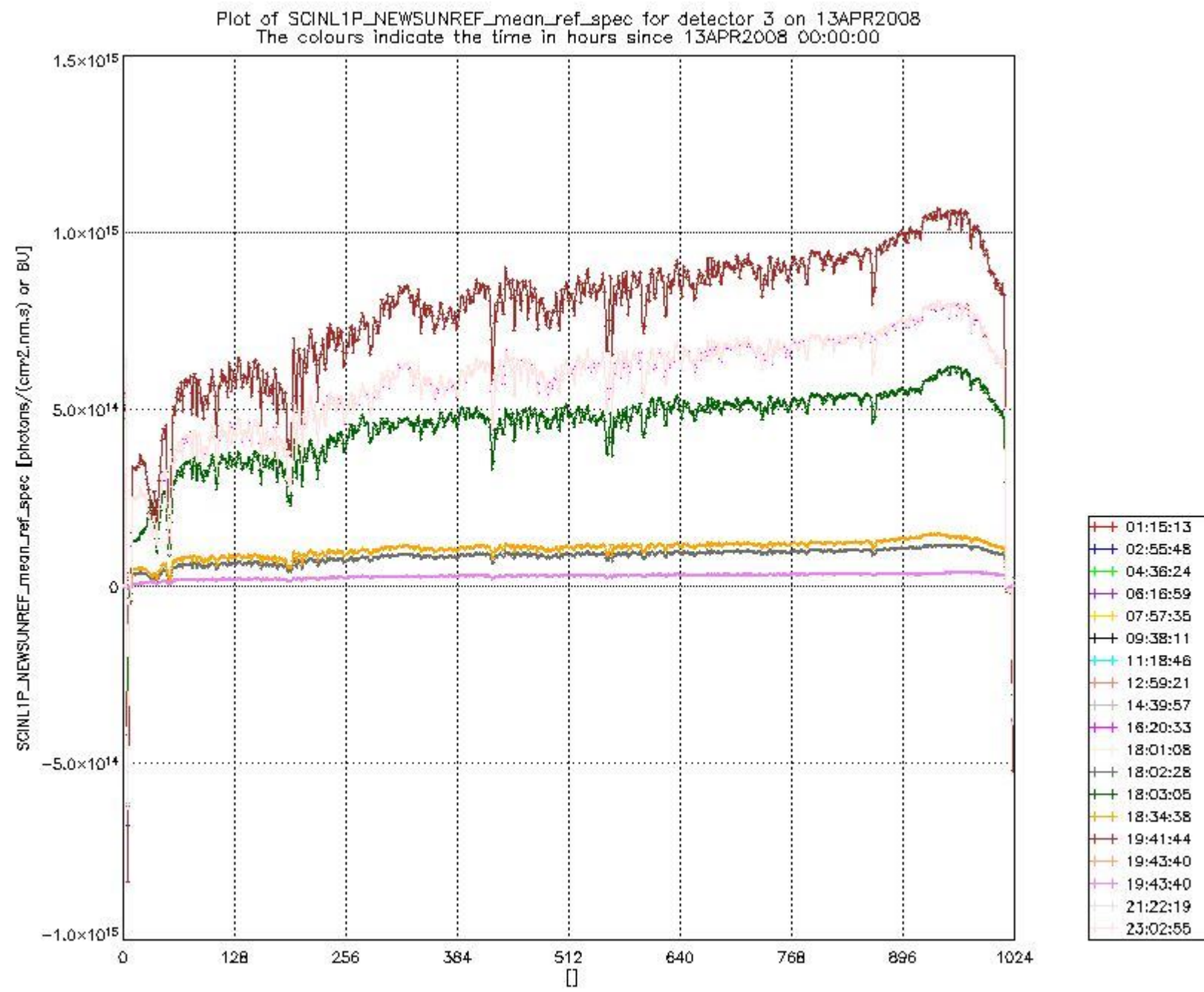
Plot of SCINL1P_NEWSUNREF_pmd_out versus time

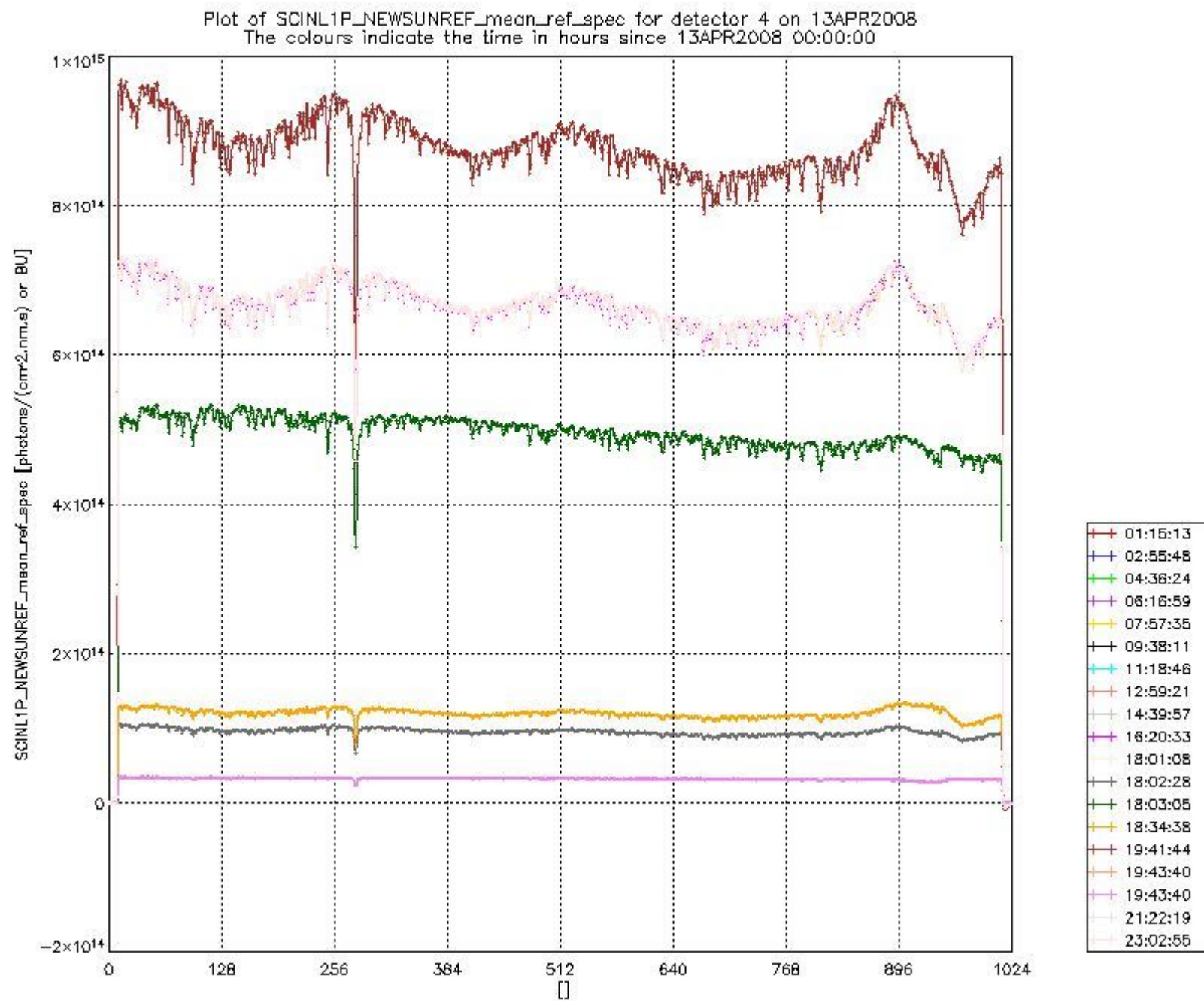


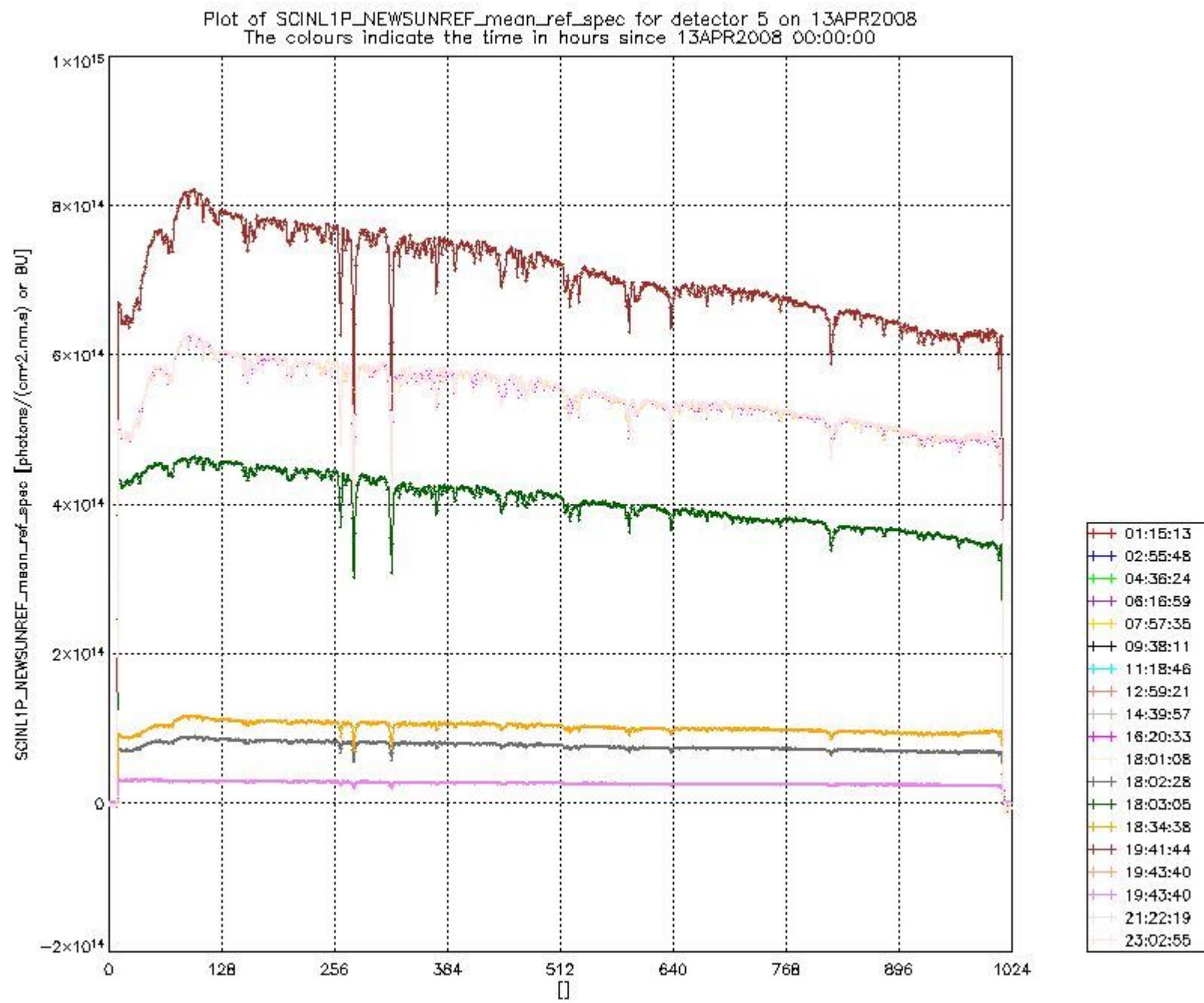


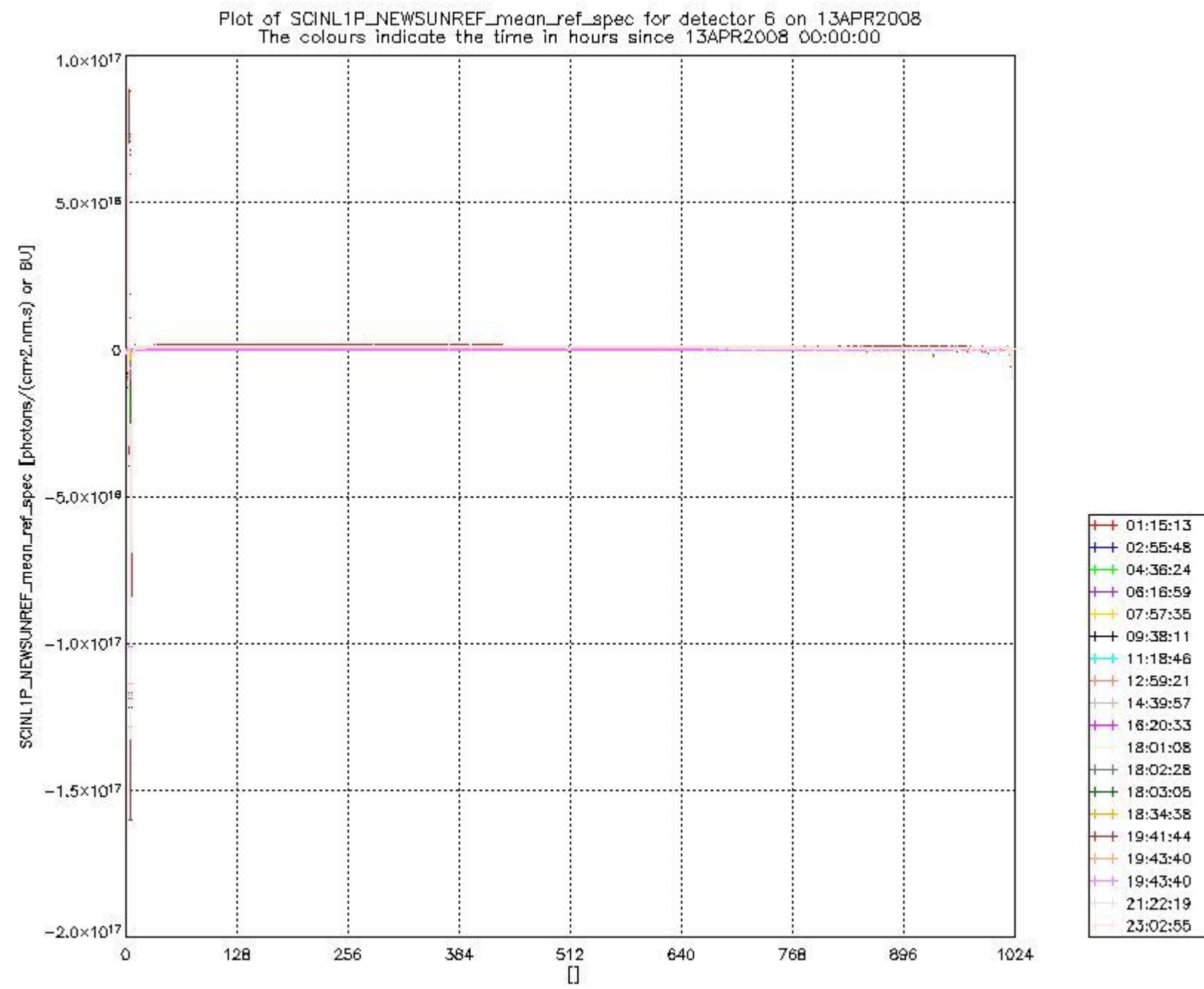
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_33.PNG

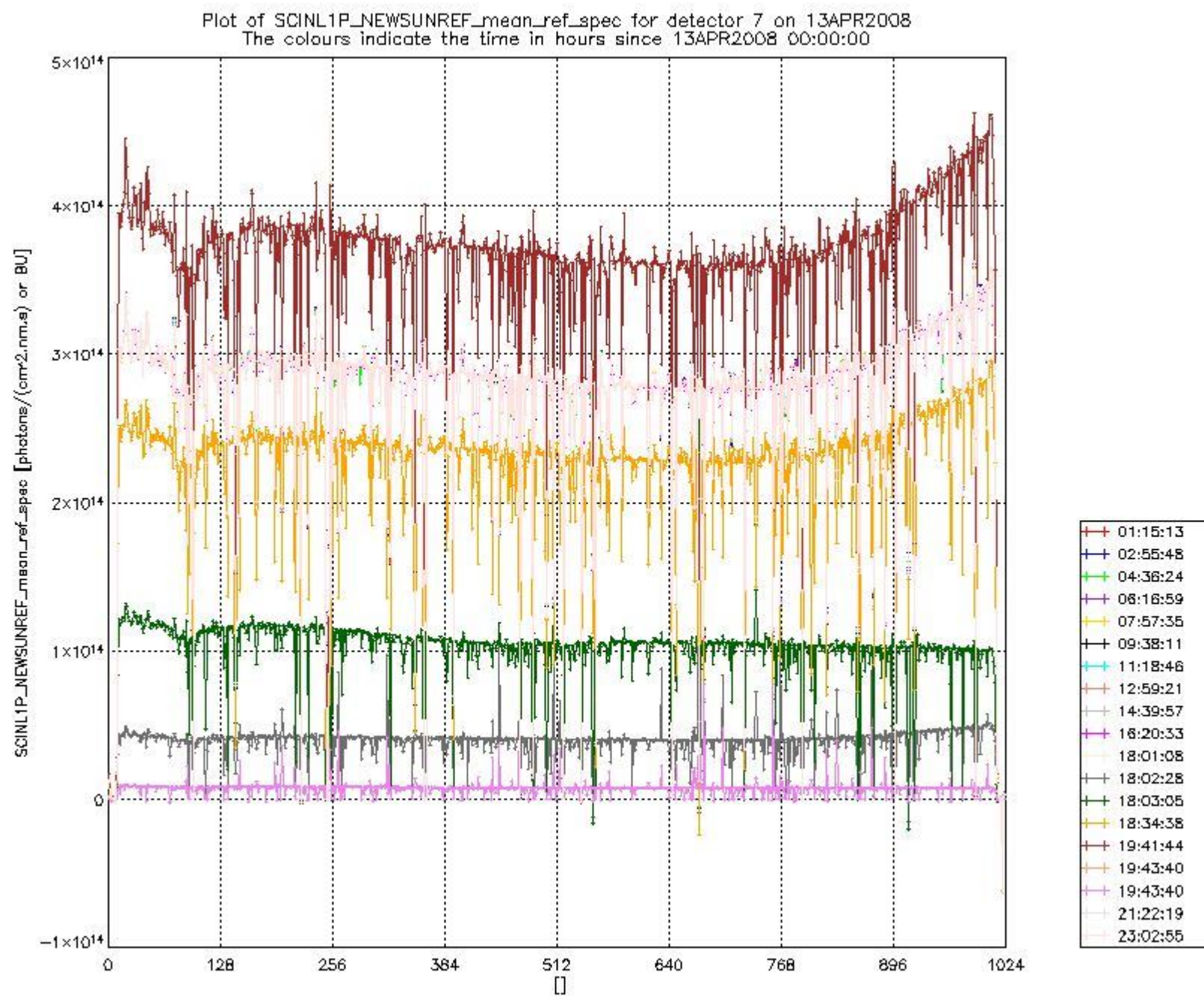


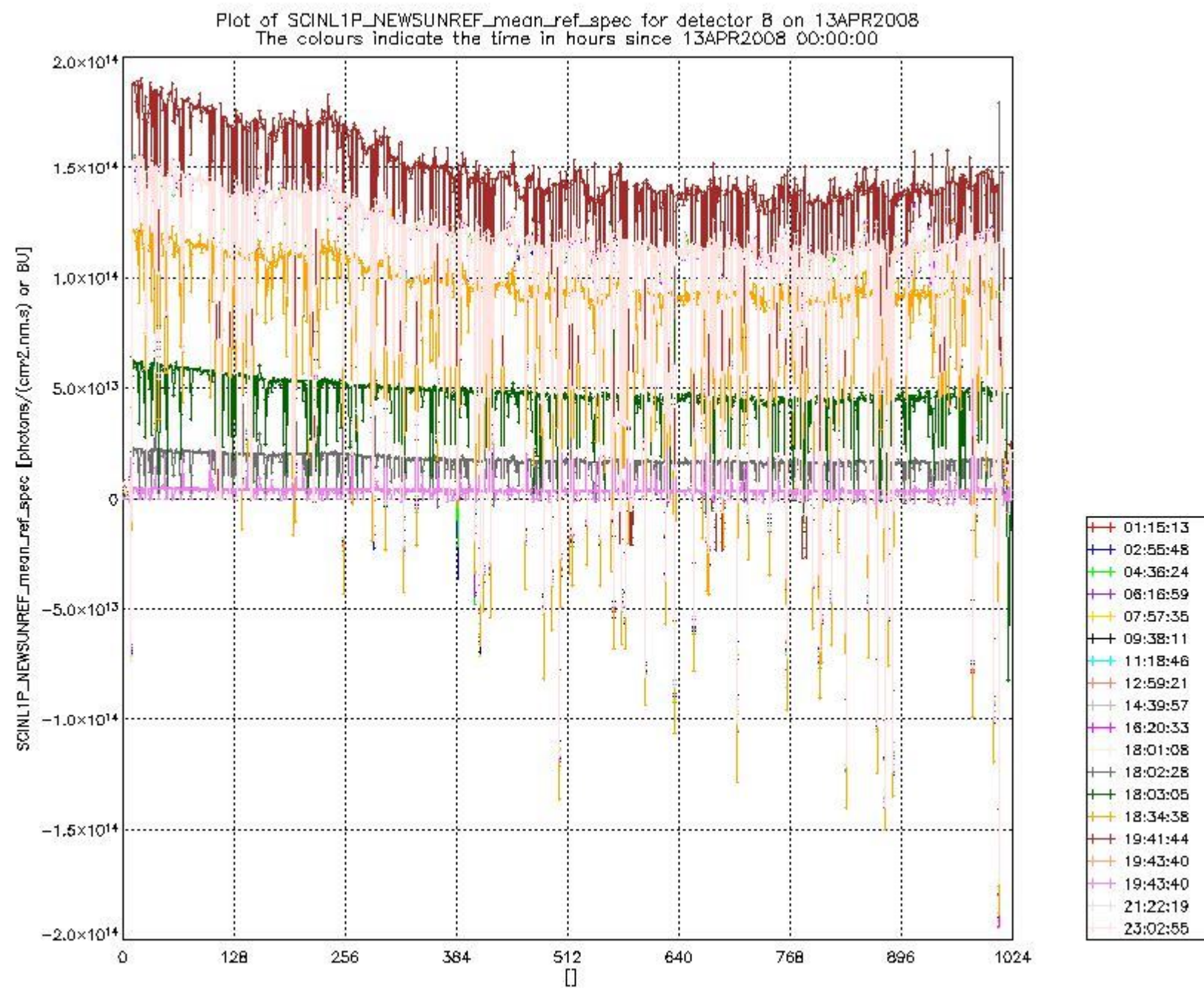


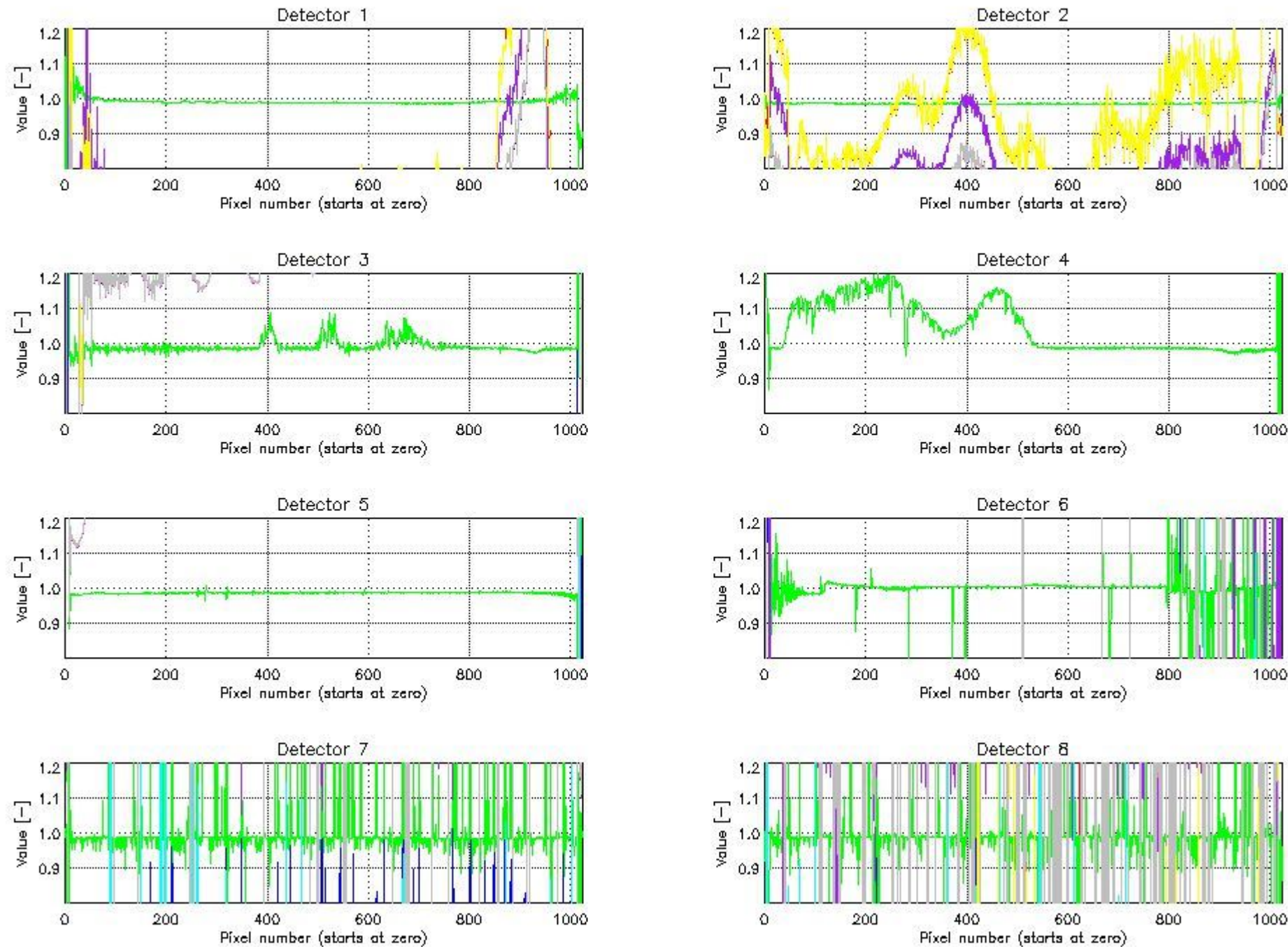












sciamachy_daily_report_level1_SCIA_6_03_N_20080413_41.PNG

1.2.5 PPG and Etalon parameters

(No PPG and Etalon data available for this processing scope)

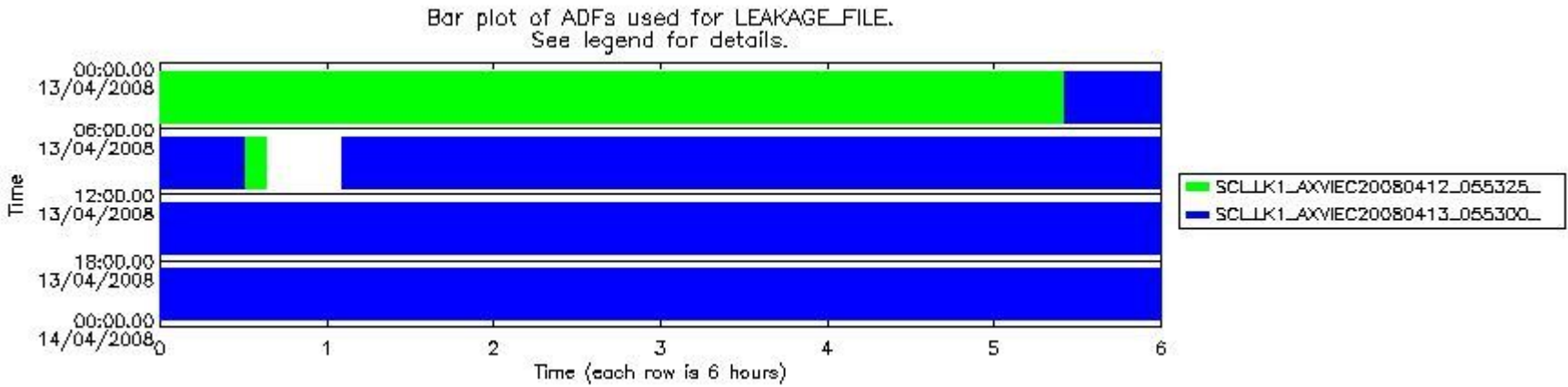
1.3 ADF monitoring

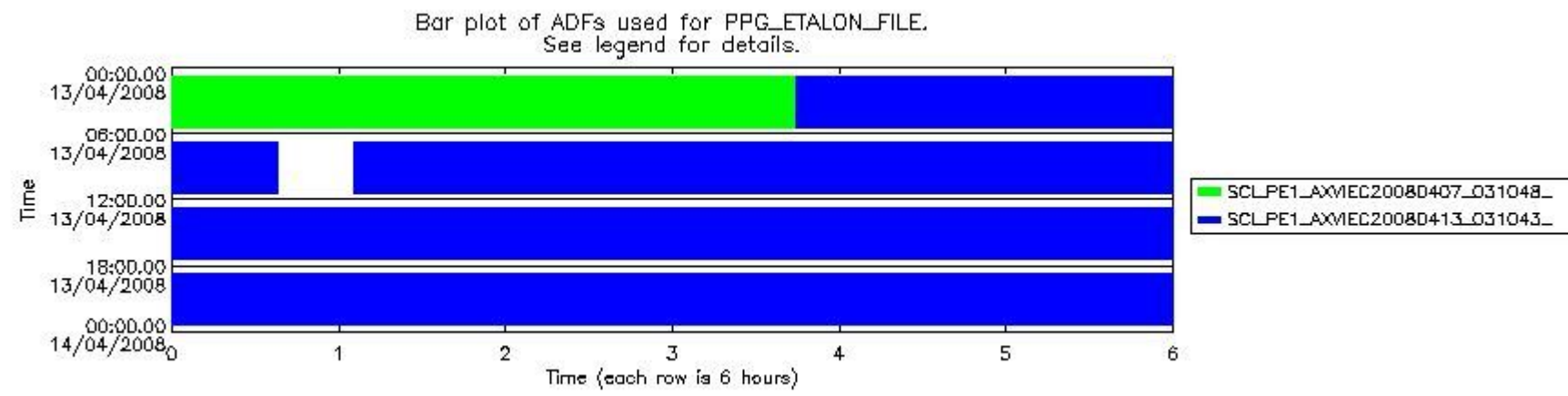
This section shows the (variation in) ADFs used for each of the products. It consists of:

- A table showing which ADFs having a start validity of the current time scope are currently available (if present).
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

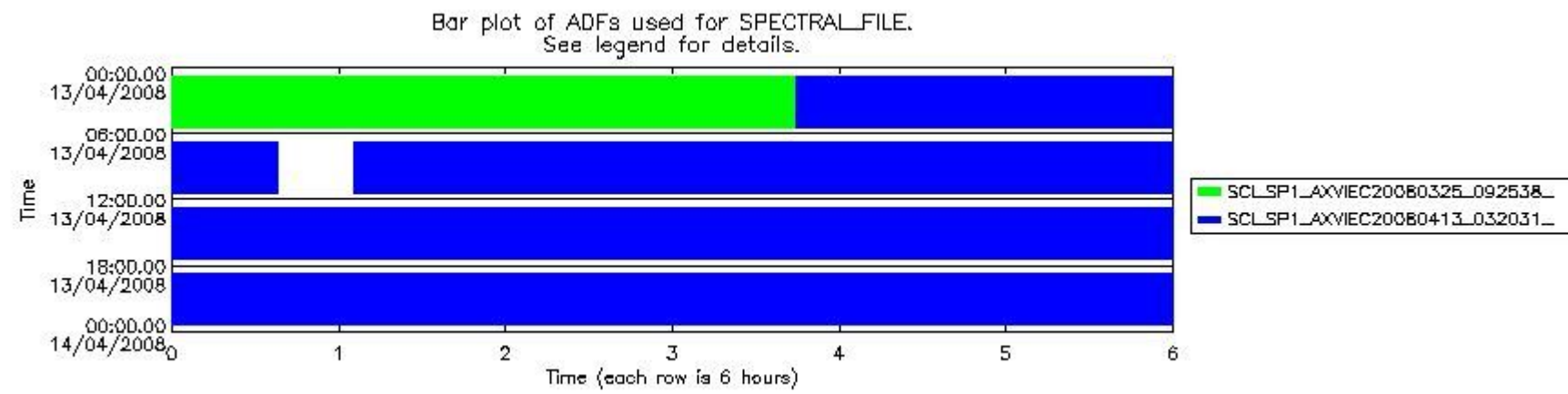
No new ADFs available

Number	ADF
	LK1 (LEAKAGE_FILE)
0	SCI_LK1_AXVIEC20080412_055325_20080409_183032_20080608_201228
1	SCI_LK1_AXVIEC20080413_055300_20080410_180105_20080609_194045
	PE1 (PPG_ETALON_FILE)
2	SCI_PE1_AXVIEC20080407_031048_20080321_051506_20080418_061604
3	SCI_PE1_AXVIEC20080413_031043_20080410_180105_20990101_000000
	SP1 (SPECTRAL_FILE)
4	SCI_SP1_AXVIEC20080325_092538_20080320_203845_20080618_222427
5	SCI_SP1_AXVIEC20080413_032031_20080410_180105_20080709_194045
	SU1 (SUN_REF_FILE)
6	SCI_SU1_AXVIEC20080412_030432_20080409_183032_20080424_201228
7	SCI_SU1_AXVIEC20080413_030434_20080410_180105_20080425_194045
	KD1 (KEY_DATA_FILE)
8	SCI_KD1_AXVIEC20060523_182626_20020301_000000_20991231_235959
	MF1 (M_FACTOR_FILE)
9	SCI_MF1_AXVIEC20020809_094925_20020206_173831_20991231_235959
	LI1 (INIT_FILE)
10	SCI_LI1_AXVIEC20070628_134108_20020701_000000_20991231_235959
	FRO (ORBIT_FILE)
11	DOR_NAV_0PNPDE20080412_212626_000057382067_00372_31989_5320.N1
12	DOR_NAV_0PNPDE20080412_230723_000057382067_00373_31990_5321.N1
13	DOR_NAV_0PNPDE20080413_004820_000044632067_00374_31991_5322.N1
14	DOR_NAV_0PNPDE20080413_020802_000054192067_00375_31992_5323.N1
15	DOR_NAV_0PNPDE20080413_034341_000057382067_00376_31993_5324.N1
16	DOR_NAV_0PNPDE20080413_052438_000057382067_00377_31994_5325.N1
17	DOR_NAV_0PNPDE20080413_194003_000038252067_00386_32003_5326.N1
18	DOR_NAV_0PNPDE20080413_204907_000060572067_00386_32003_5327.N1
19	DOR_NAV_0PNPDK20080413_070535_000035072067_00378_31995_6573.N1
20	DOR_NAV_0PNPDK20080413_080920_000060572067_00379_31996_6574.N1
21	DOR_NAV_0PNPDK20080413_095536_000054192067_00380_31997_6575.N1
22	DOR_NAV_0PNPDK20080413_113114_000057382067_00381_31998_6576.N1
23	DOR_NAV_0PNPDK20080413_131211_000054192067_00382_31999_6577.N1
24	DOR_NAV_0PNPDK20080413_144749_000057382067_00383_32000_6578.N1
25	DOR_NAV_0PNPDK20080413_162328_000057382067_00384_32001_6579.N1
	ATT (ATTITUDE_FILE)
26	NOT USED

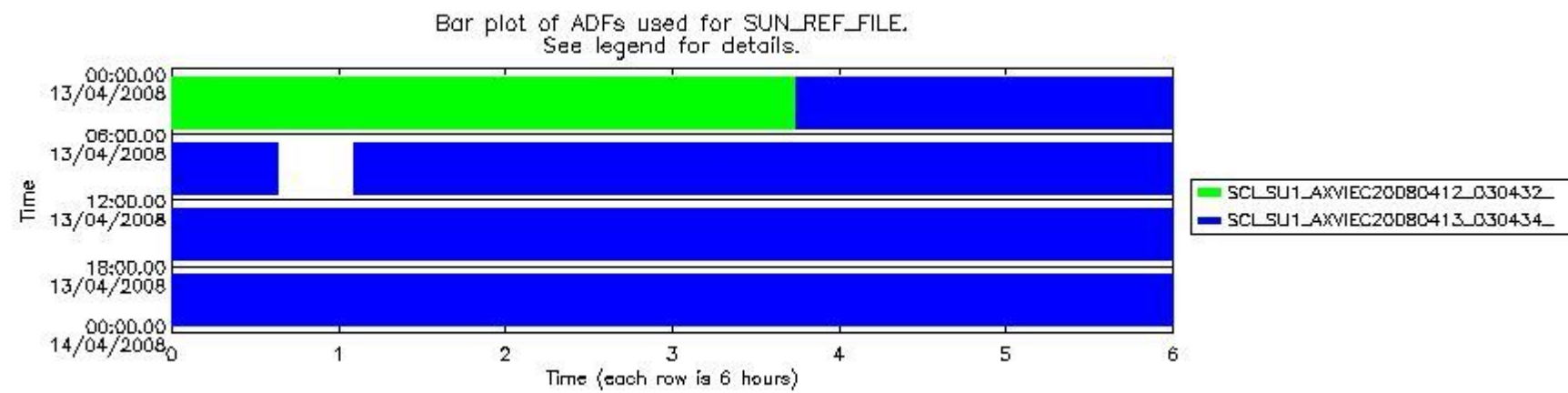




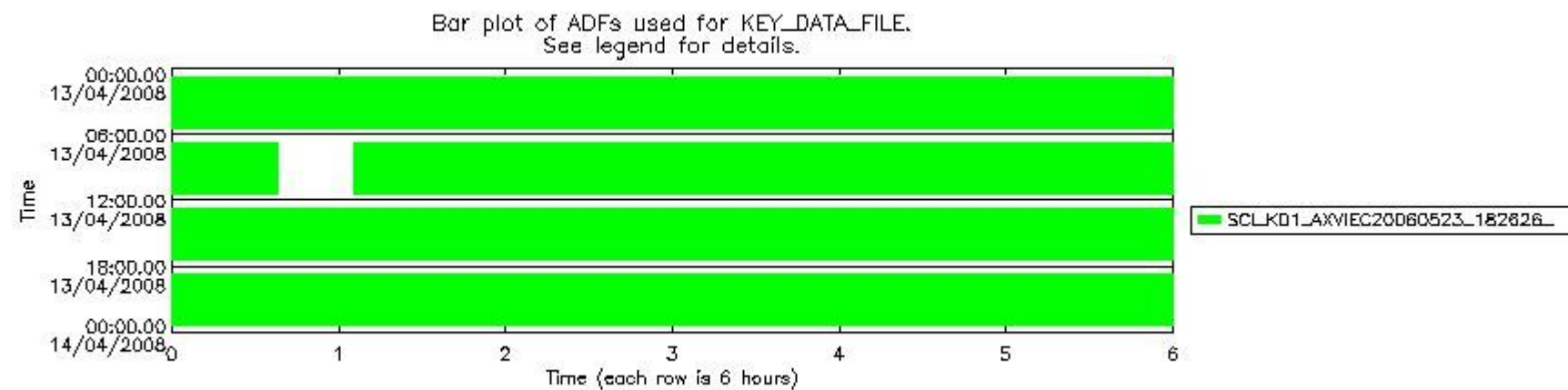
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_43.PNG



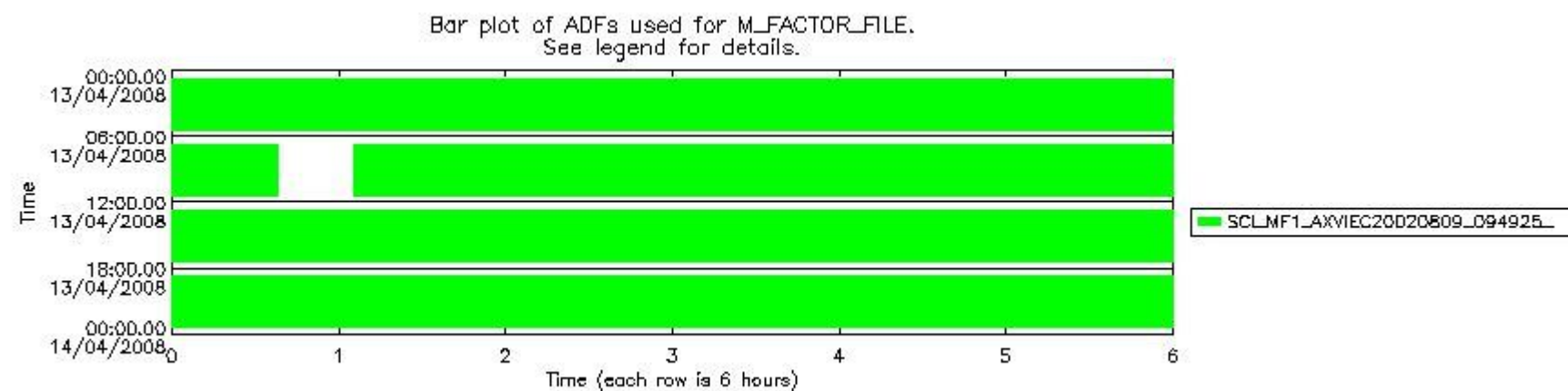
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_44.PNG



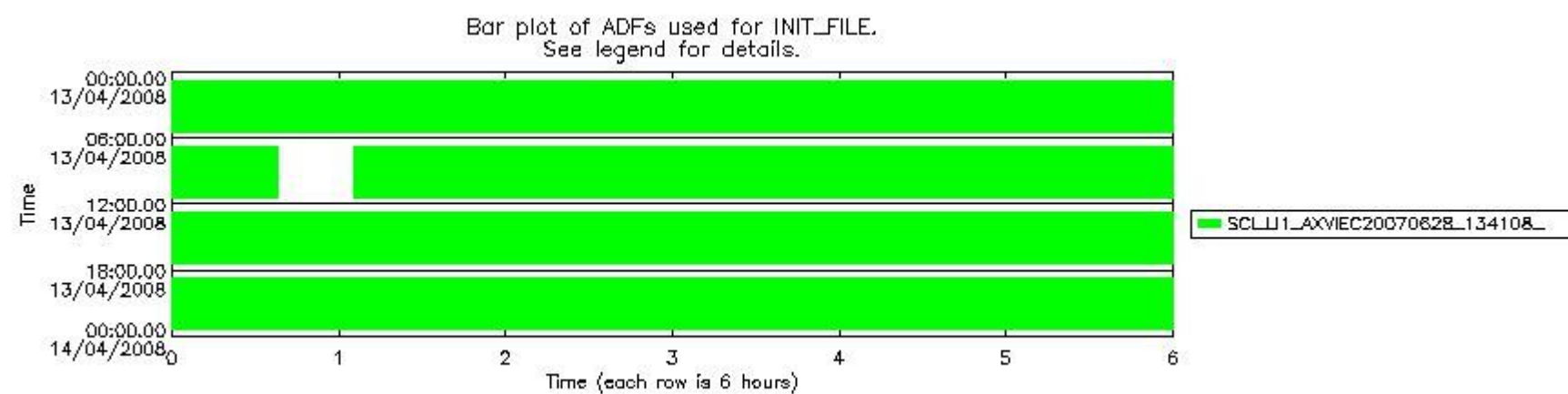
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_45.PNG



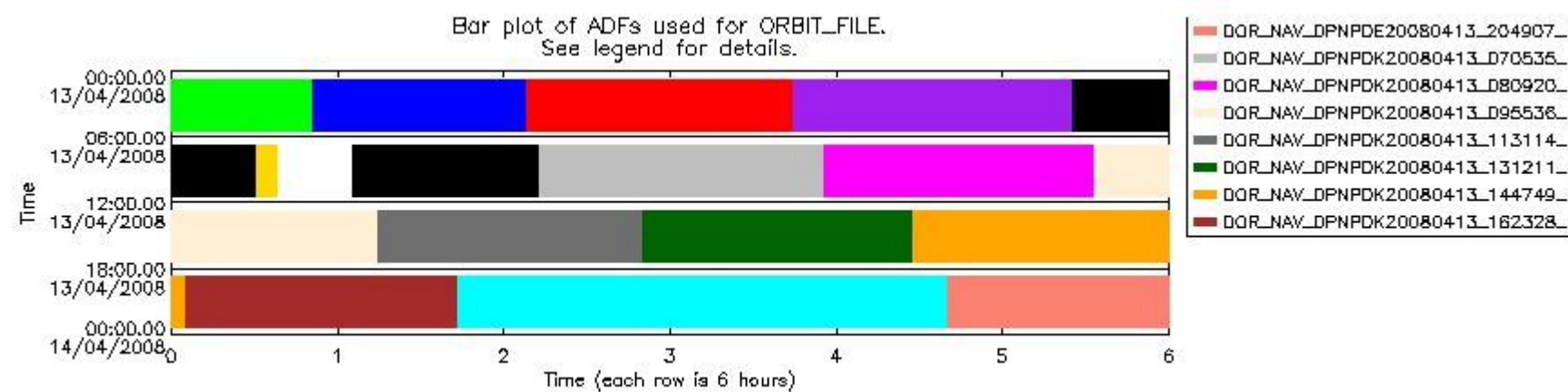
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_46.PNG



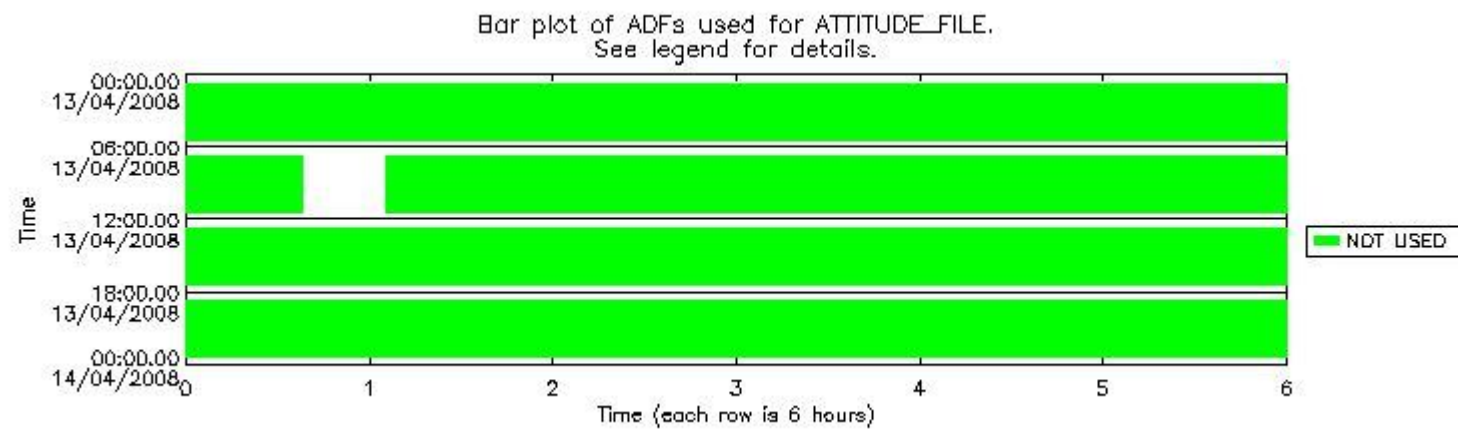
sciamachy_daily_report_level1_SCIA_6_03_N_20080413_47.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_48.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080413_49.PNG

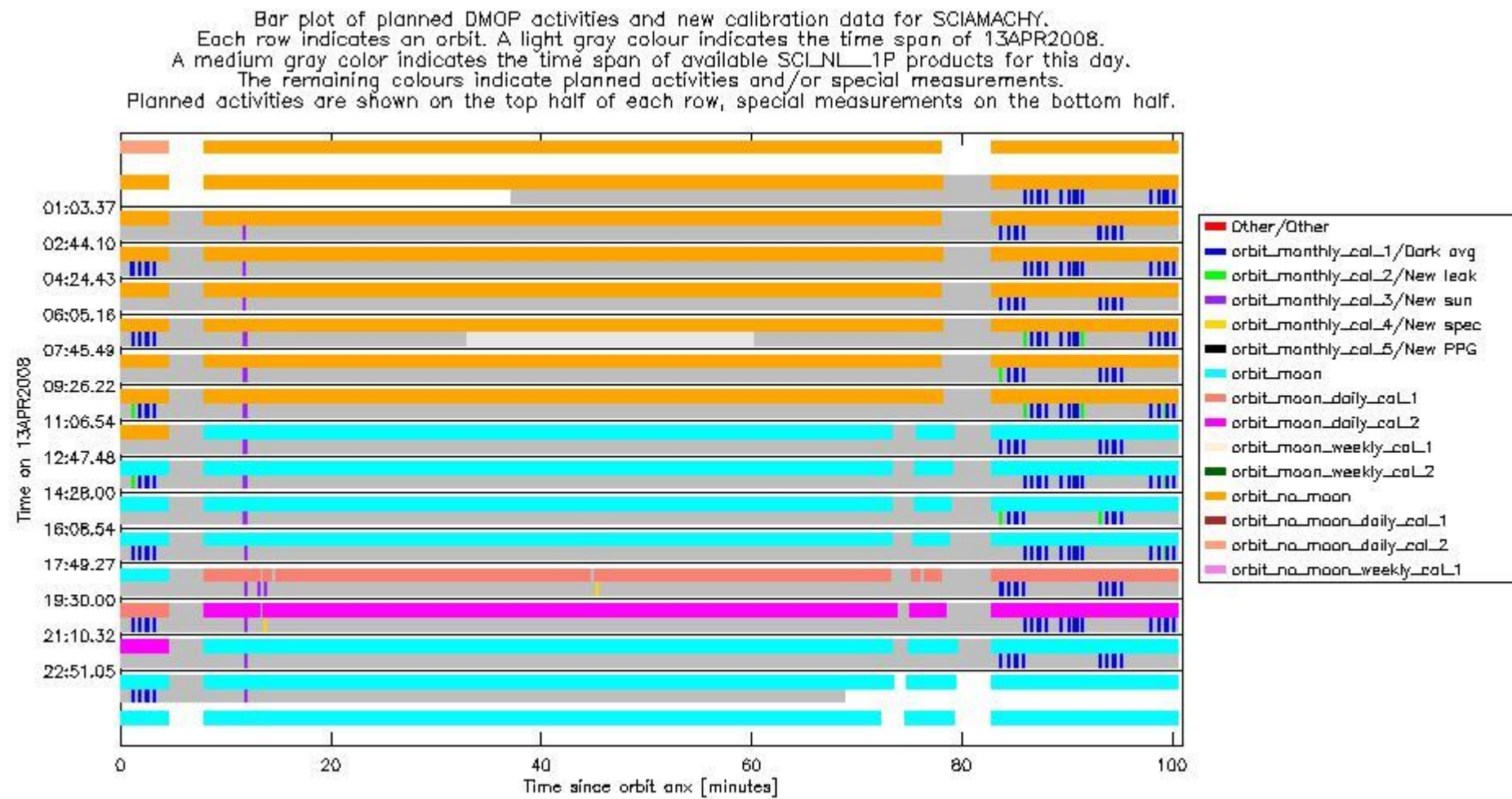


sciamachy_daily_report_level1_SCIA_6_03_N_20080413_50.PNG

1.4 DMOP execution monitoring

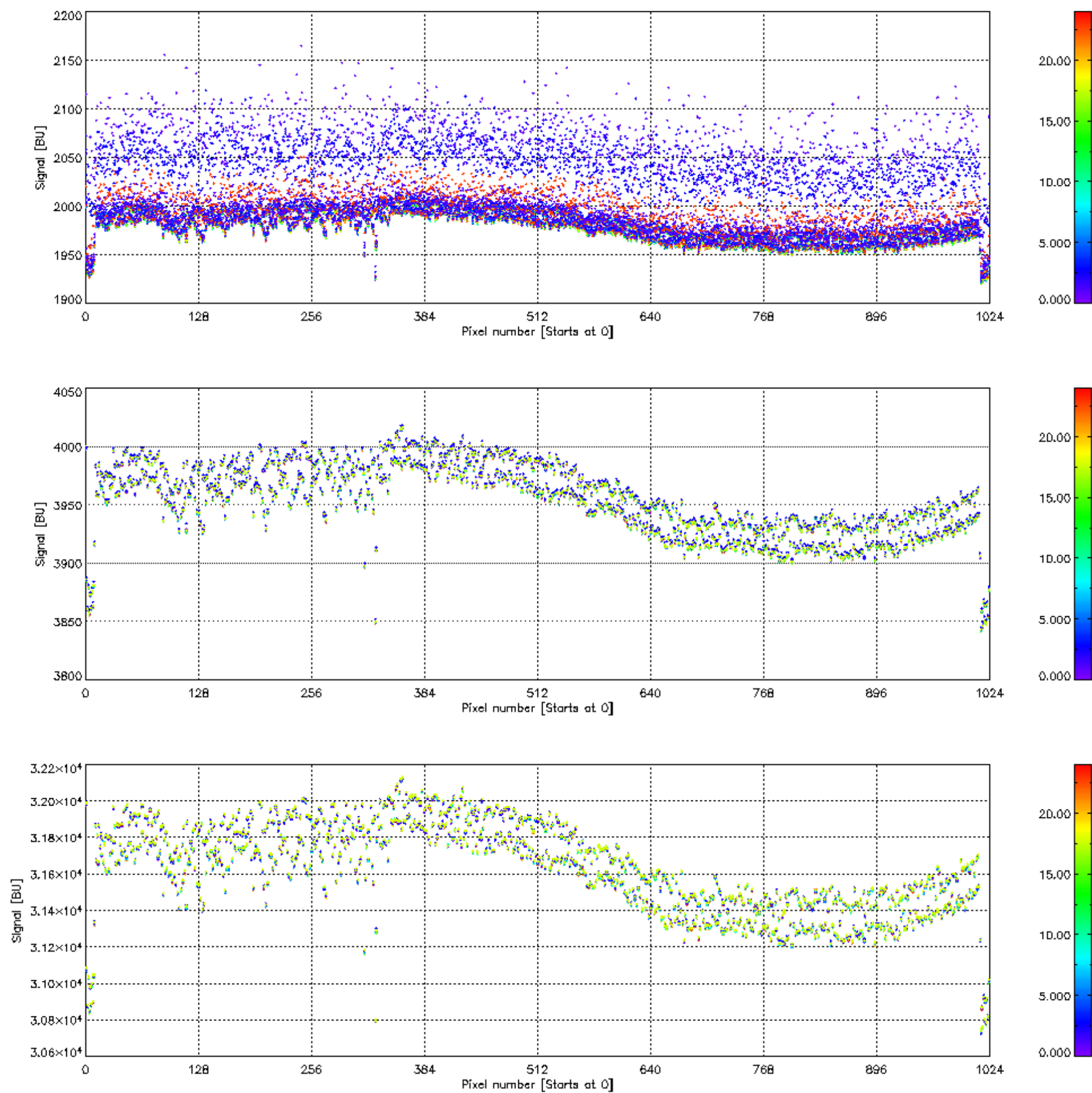
This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual special measurements in the Level 1 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

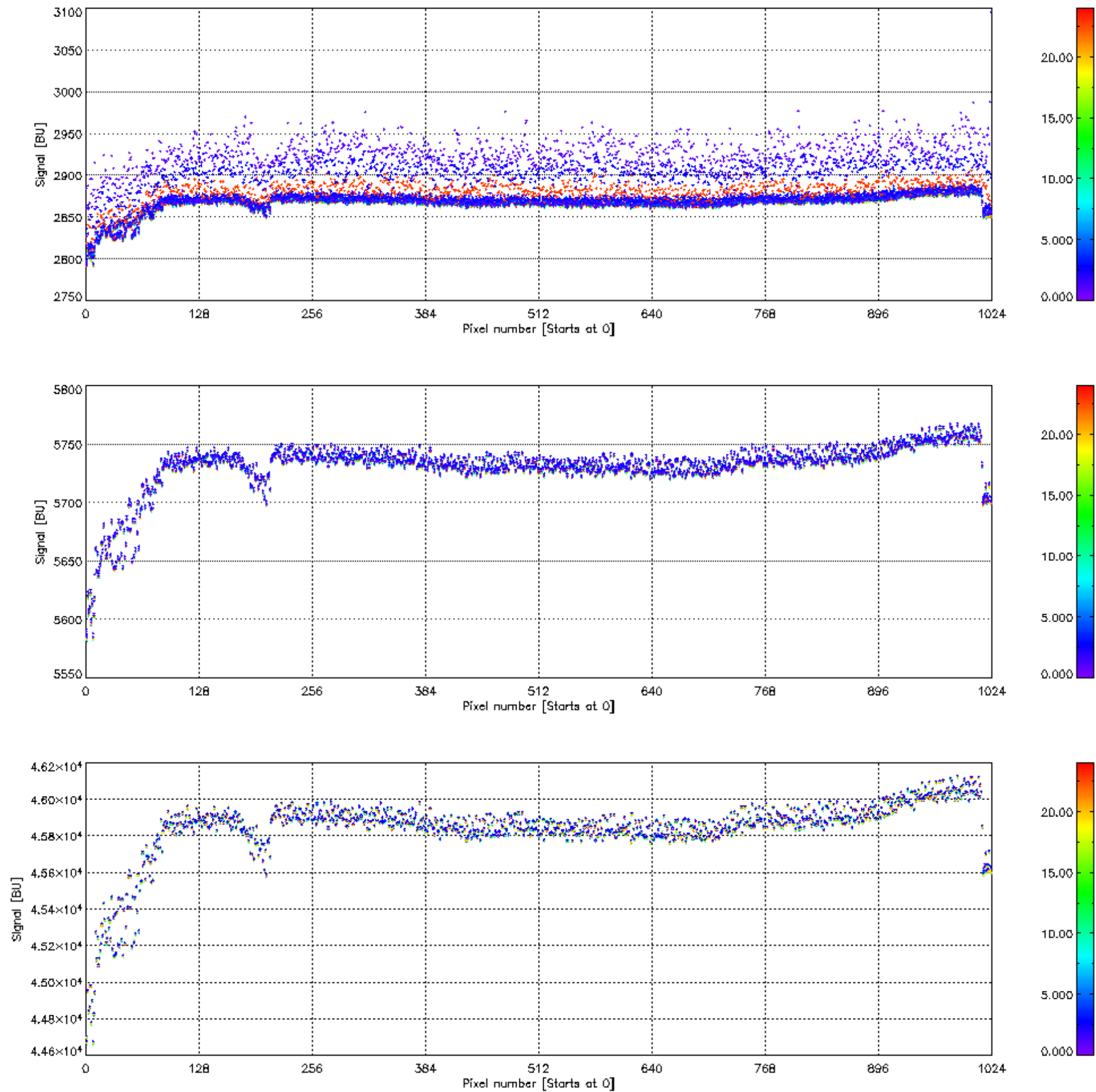


sciamachy_daily_report_level1_SCIA_6_03_N_20080413_51.PNG

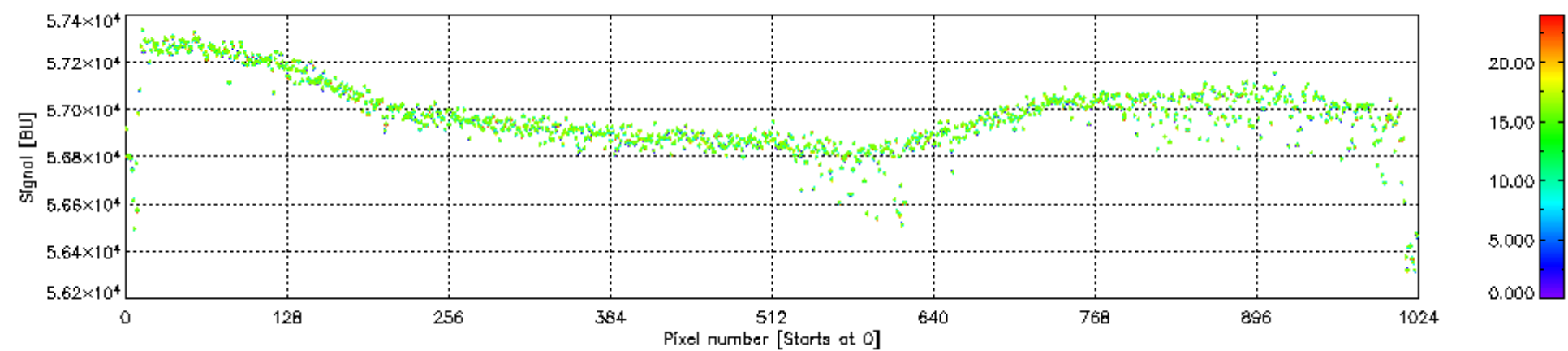
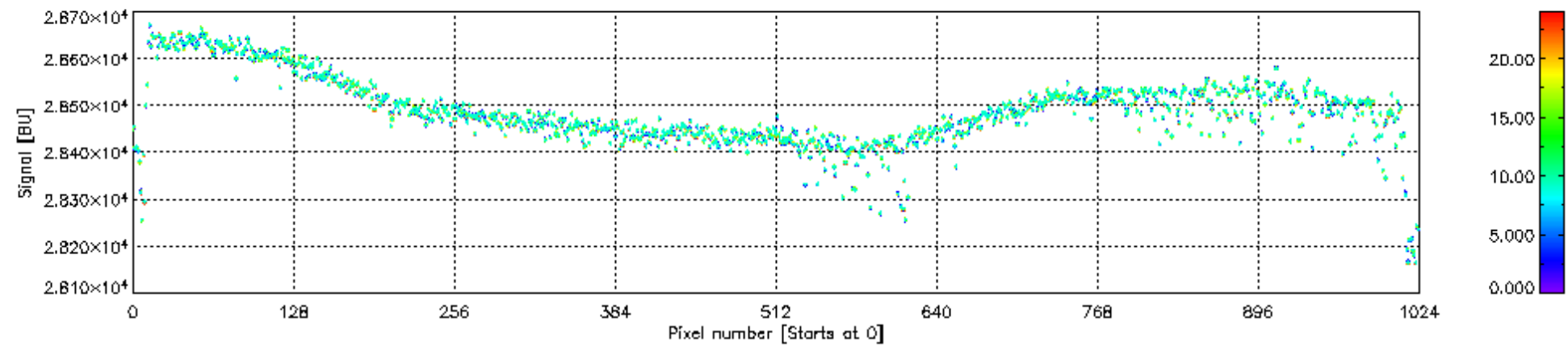
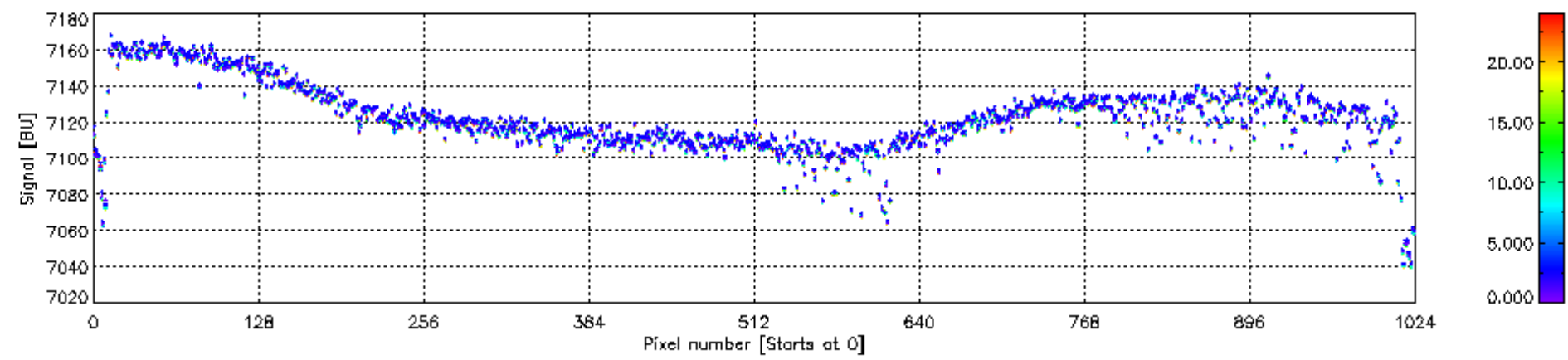
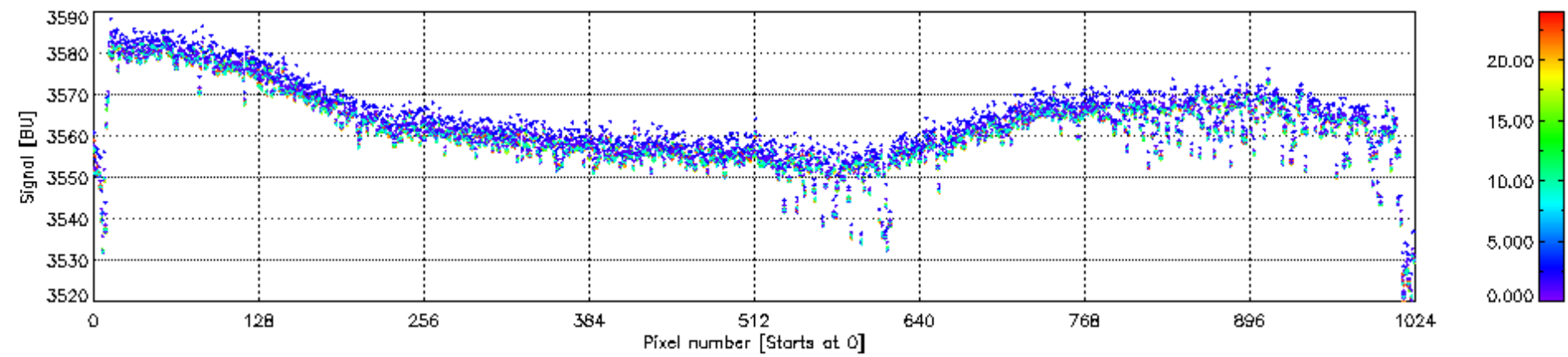
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



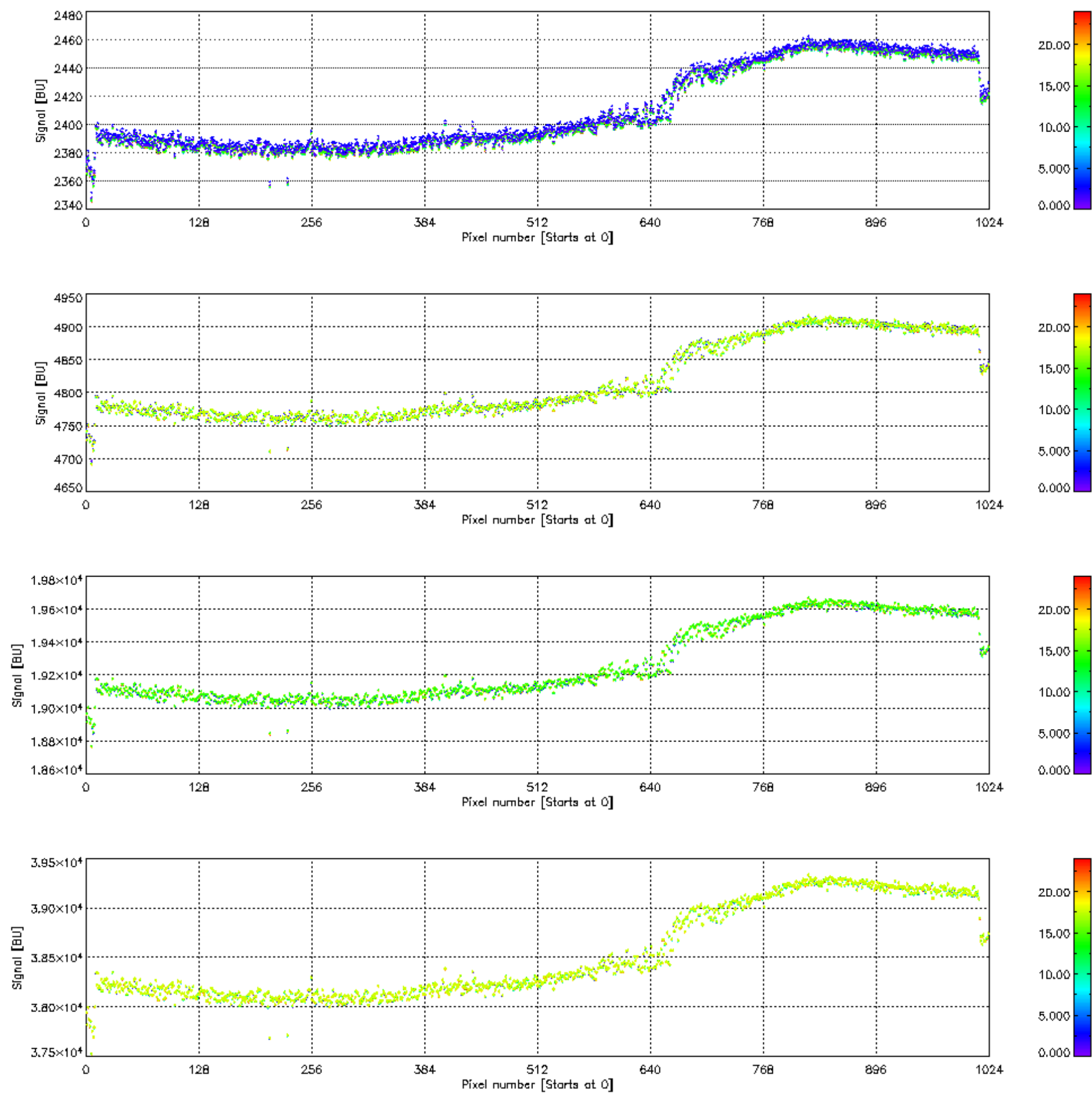
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



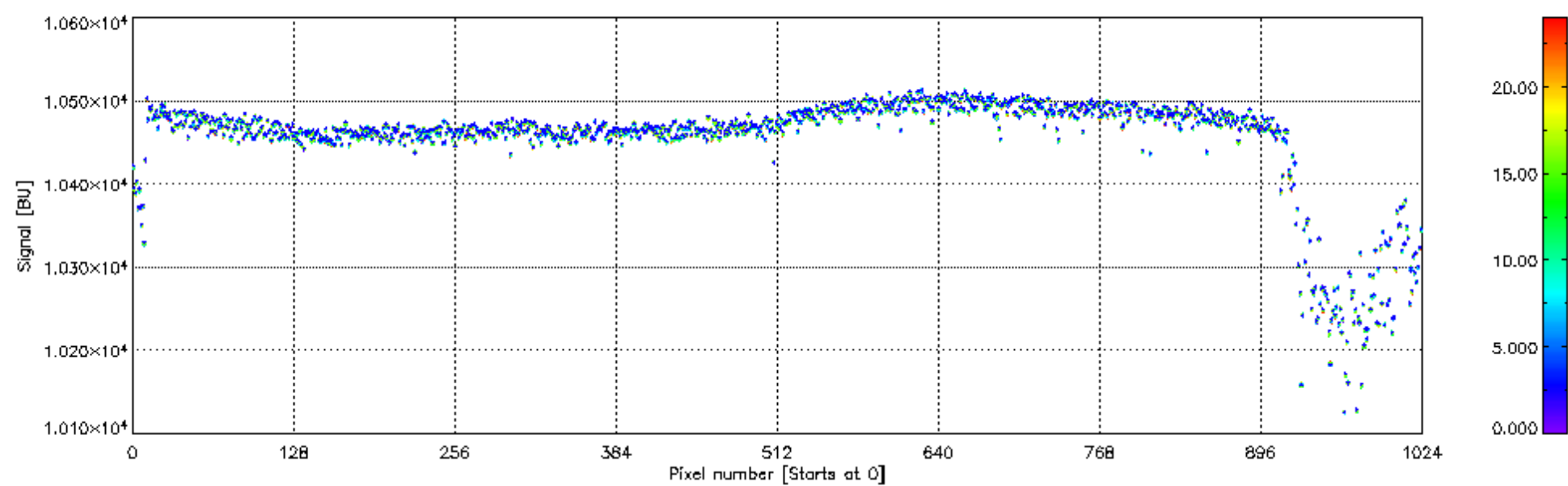
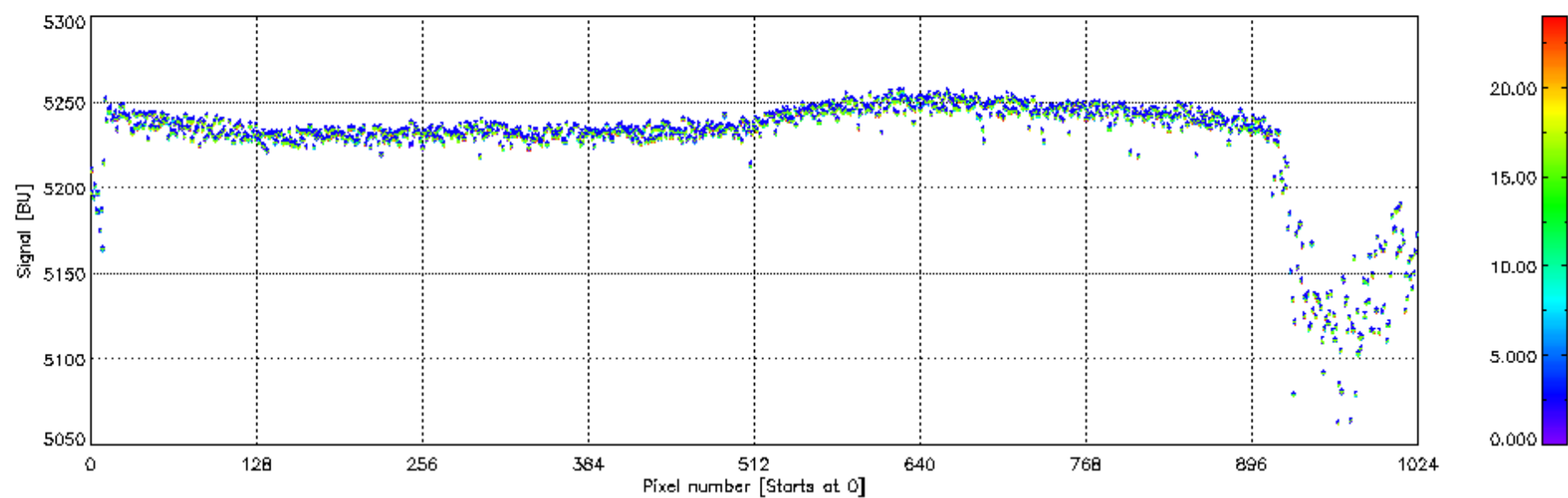
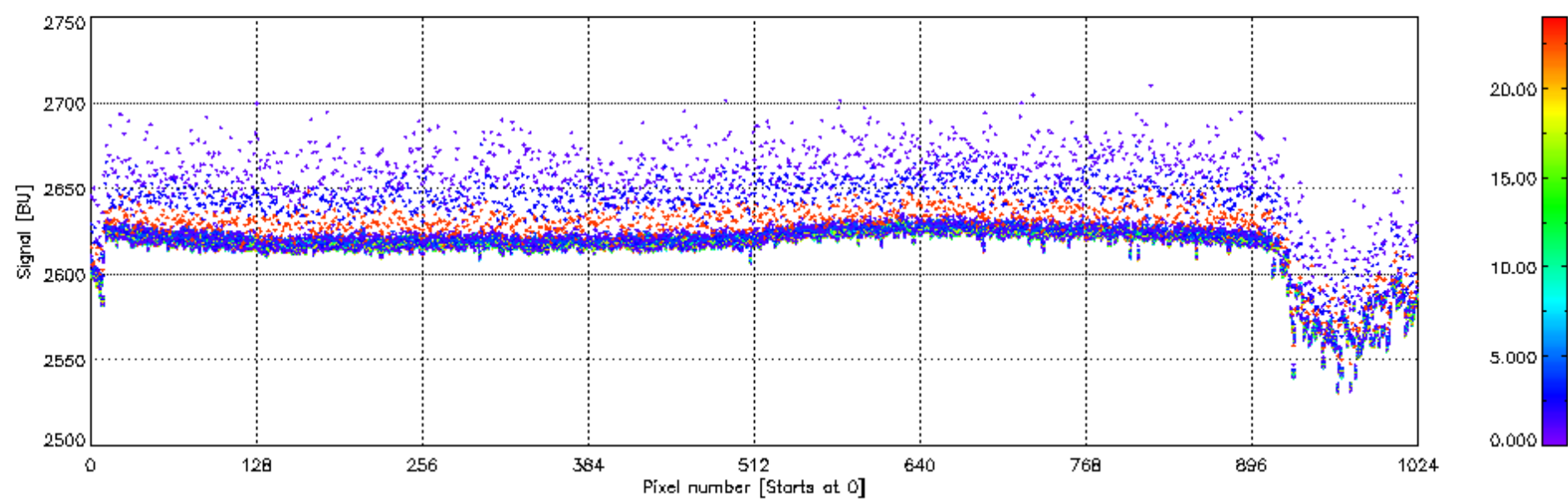
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



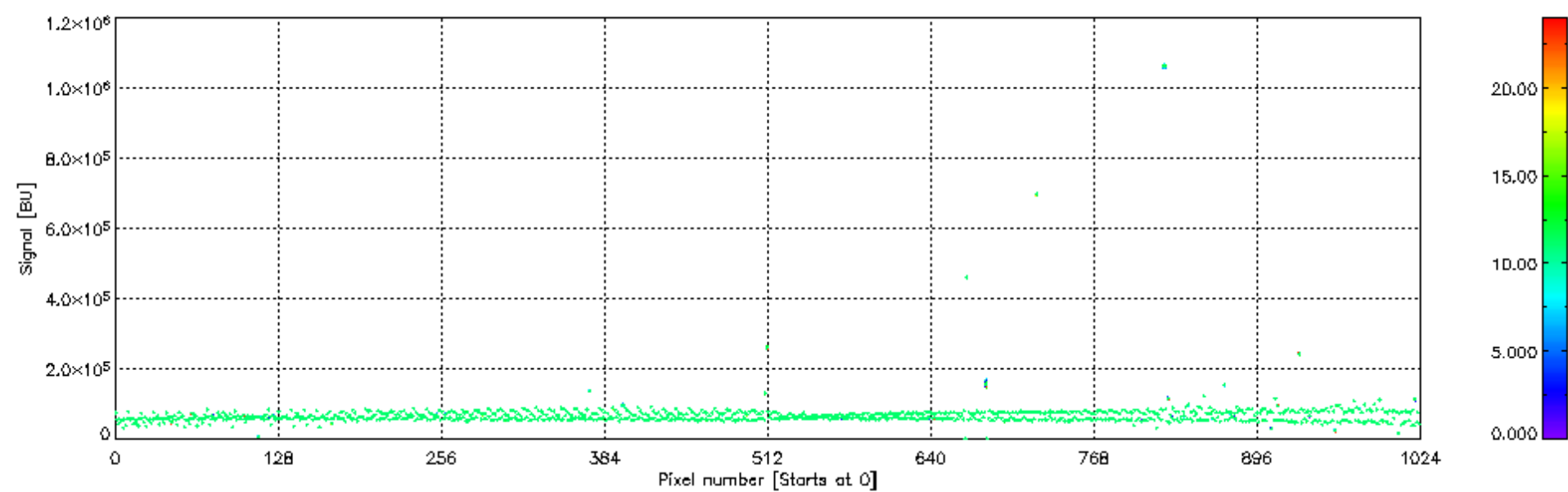
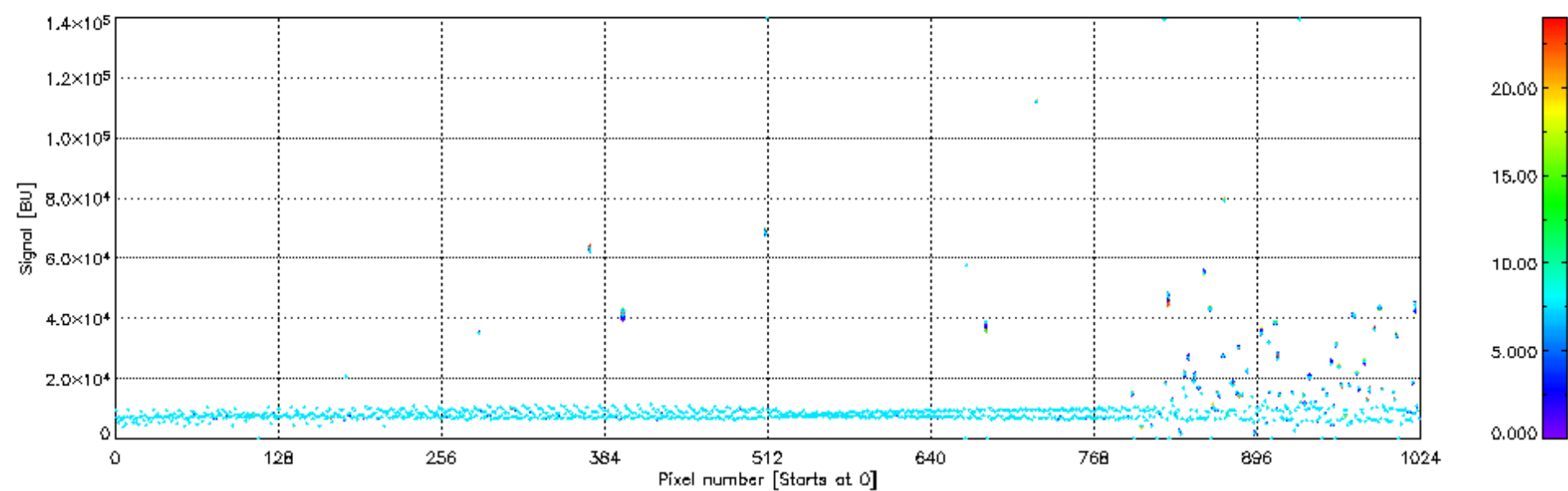
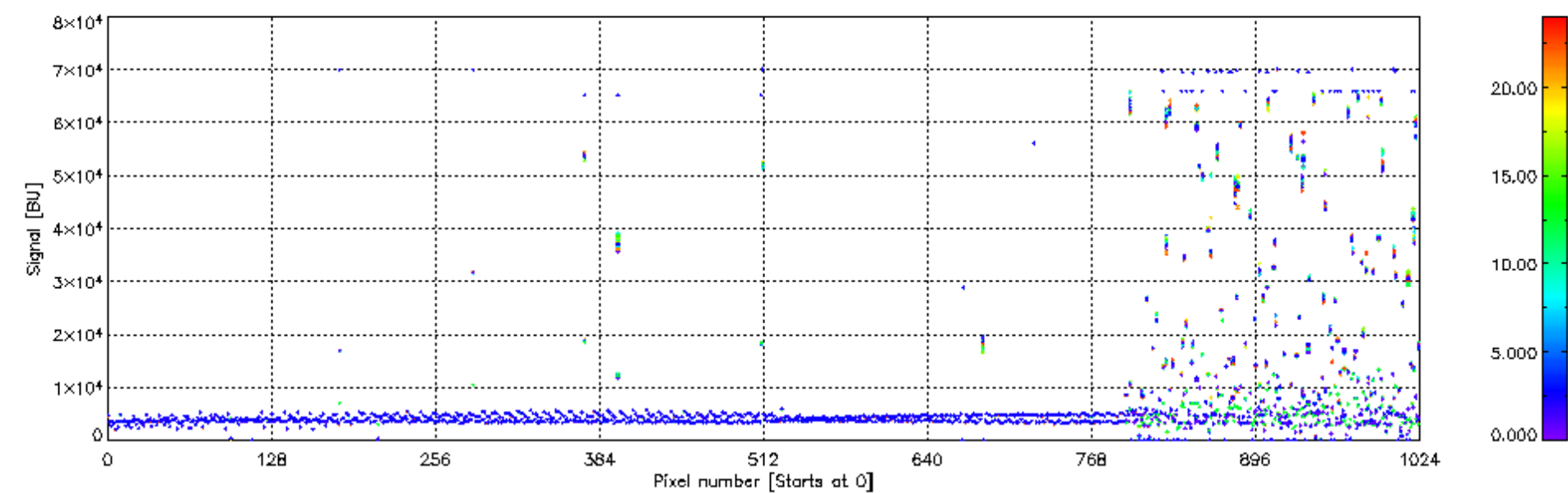
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



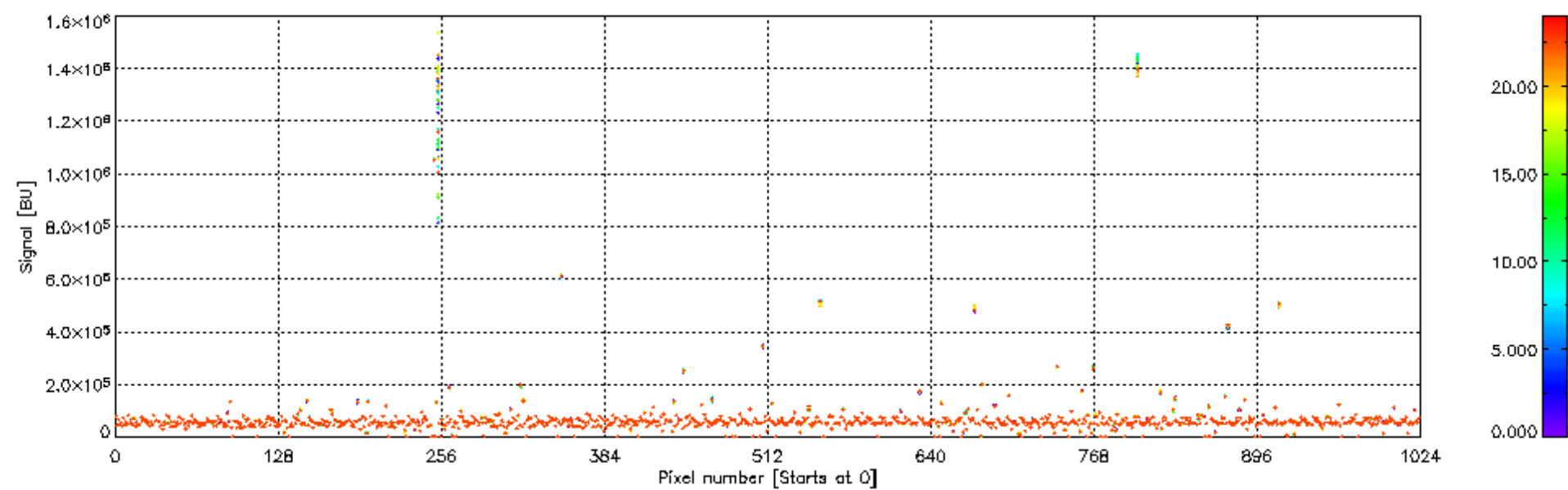
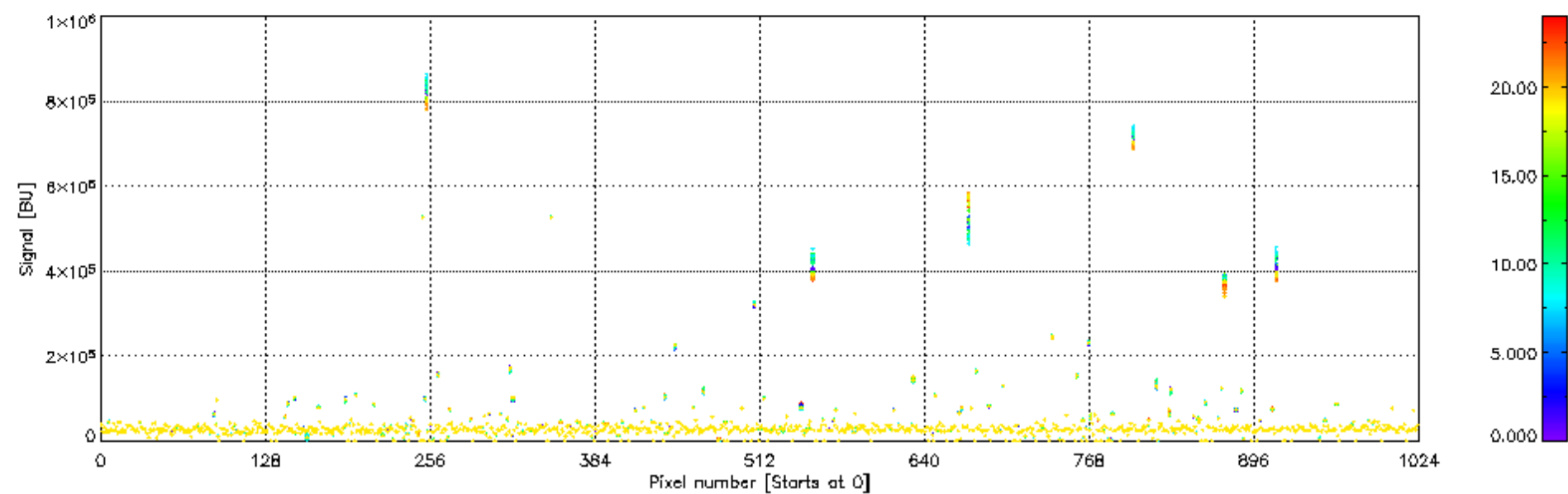
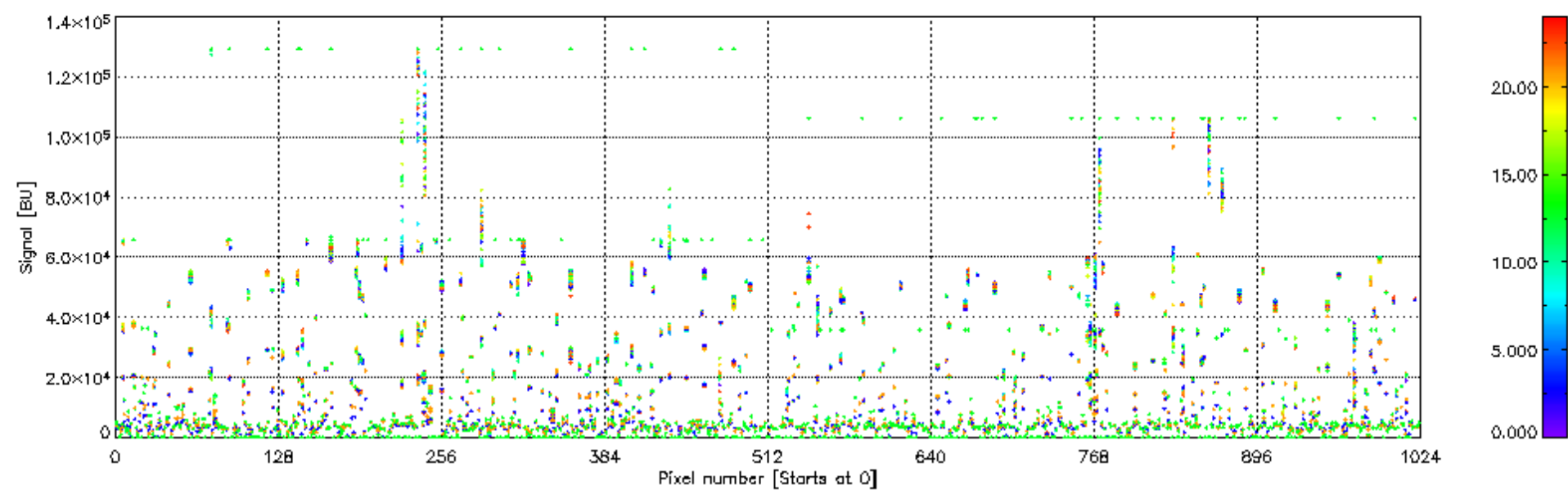
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



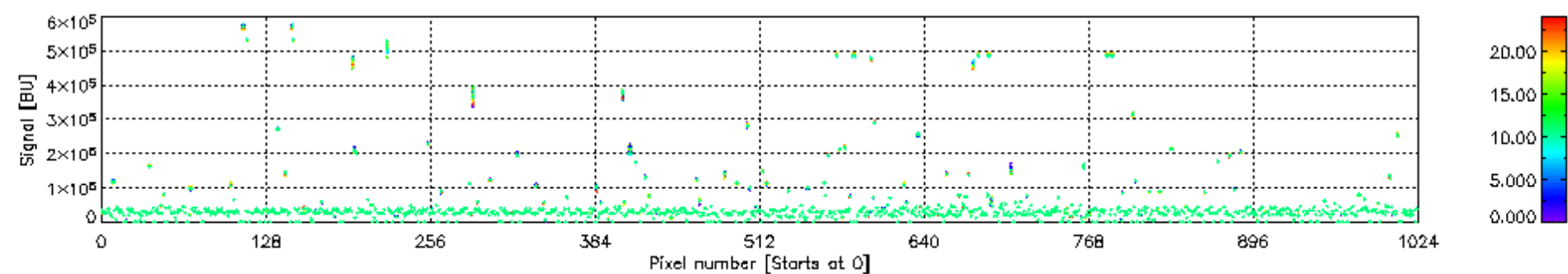
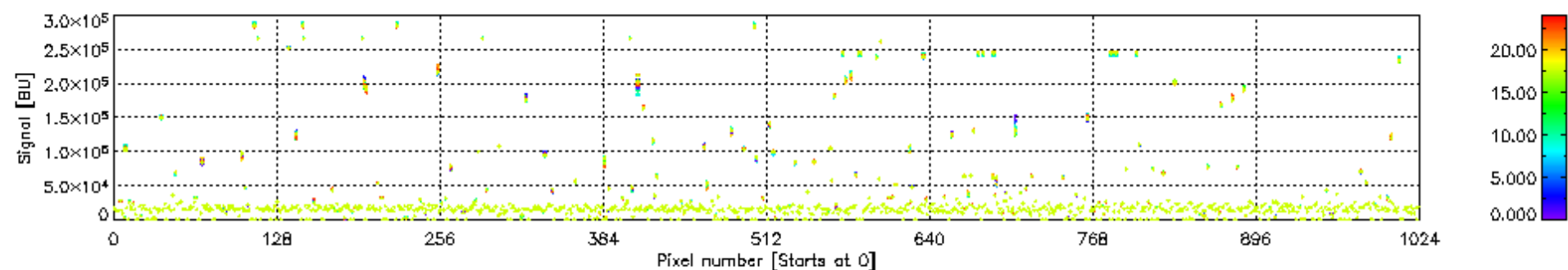
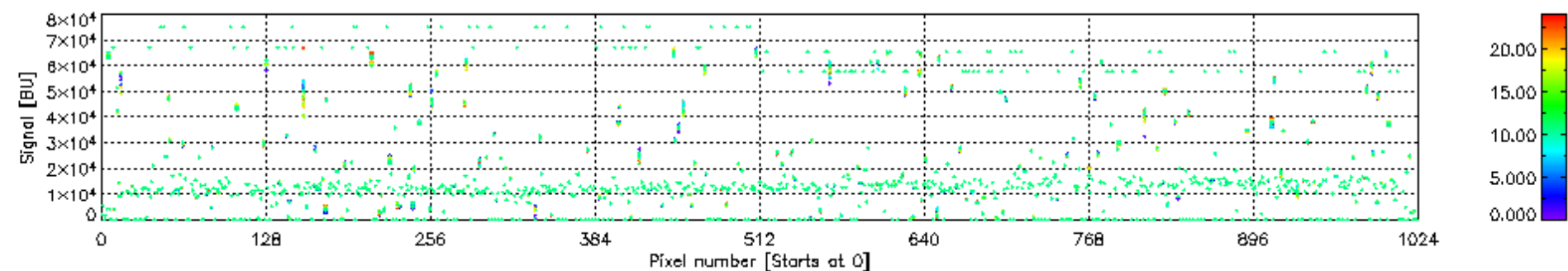
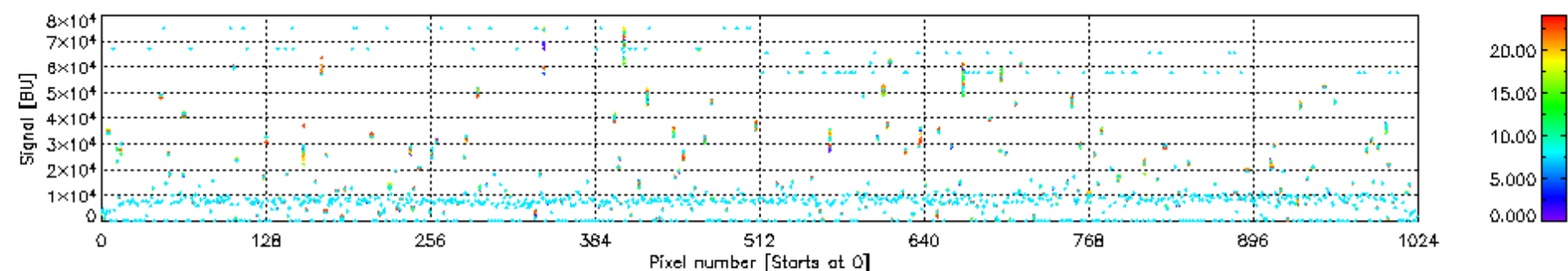
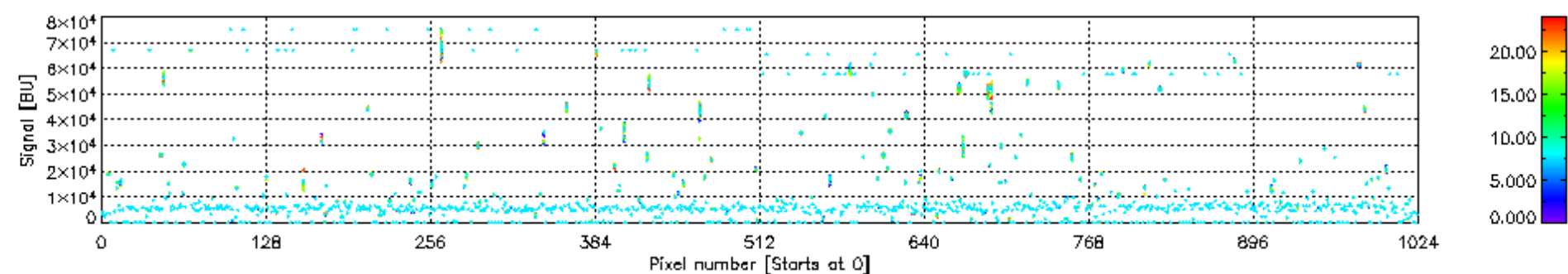
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00



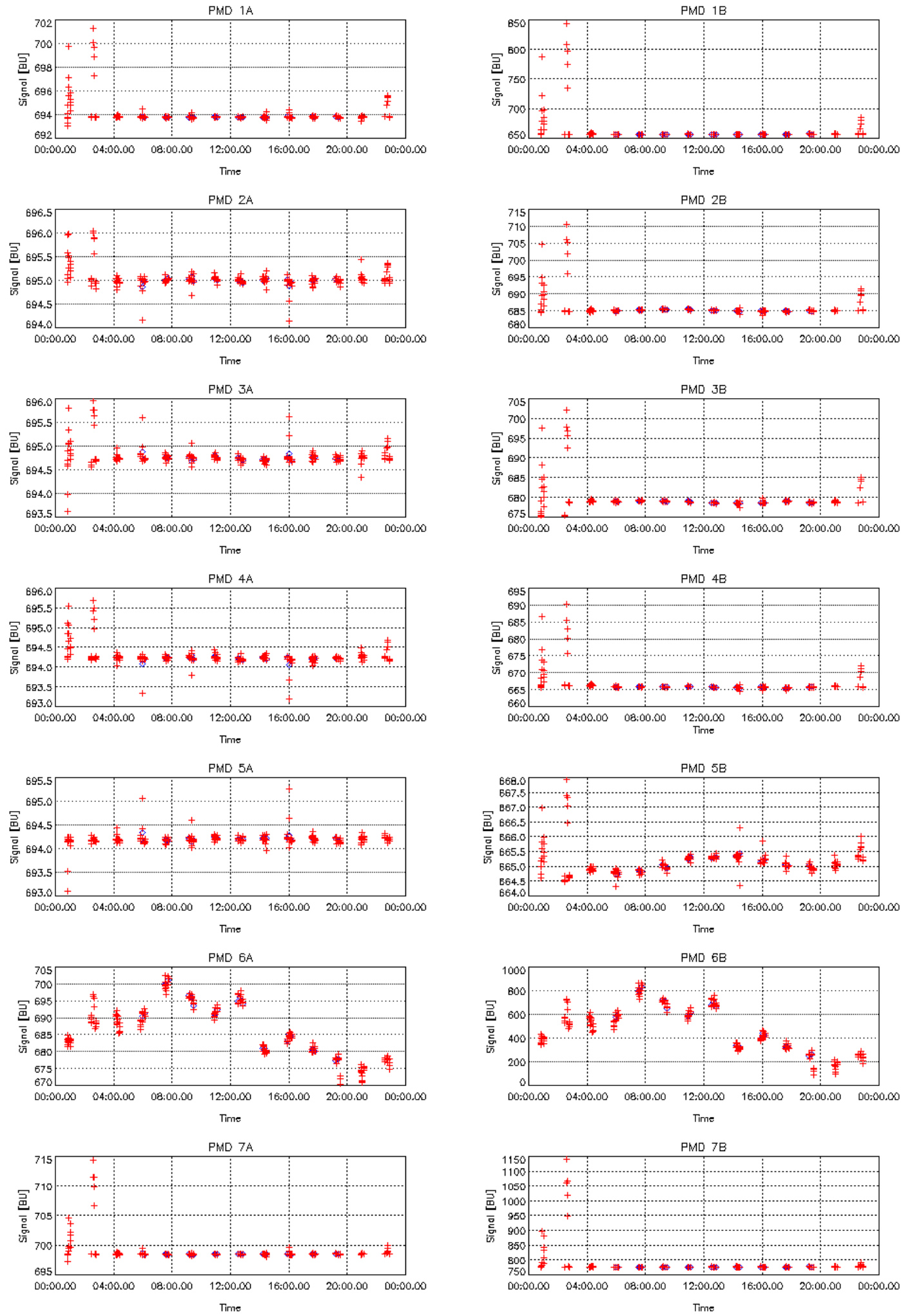
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00

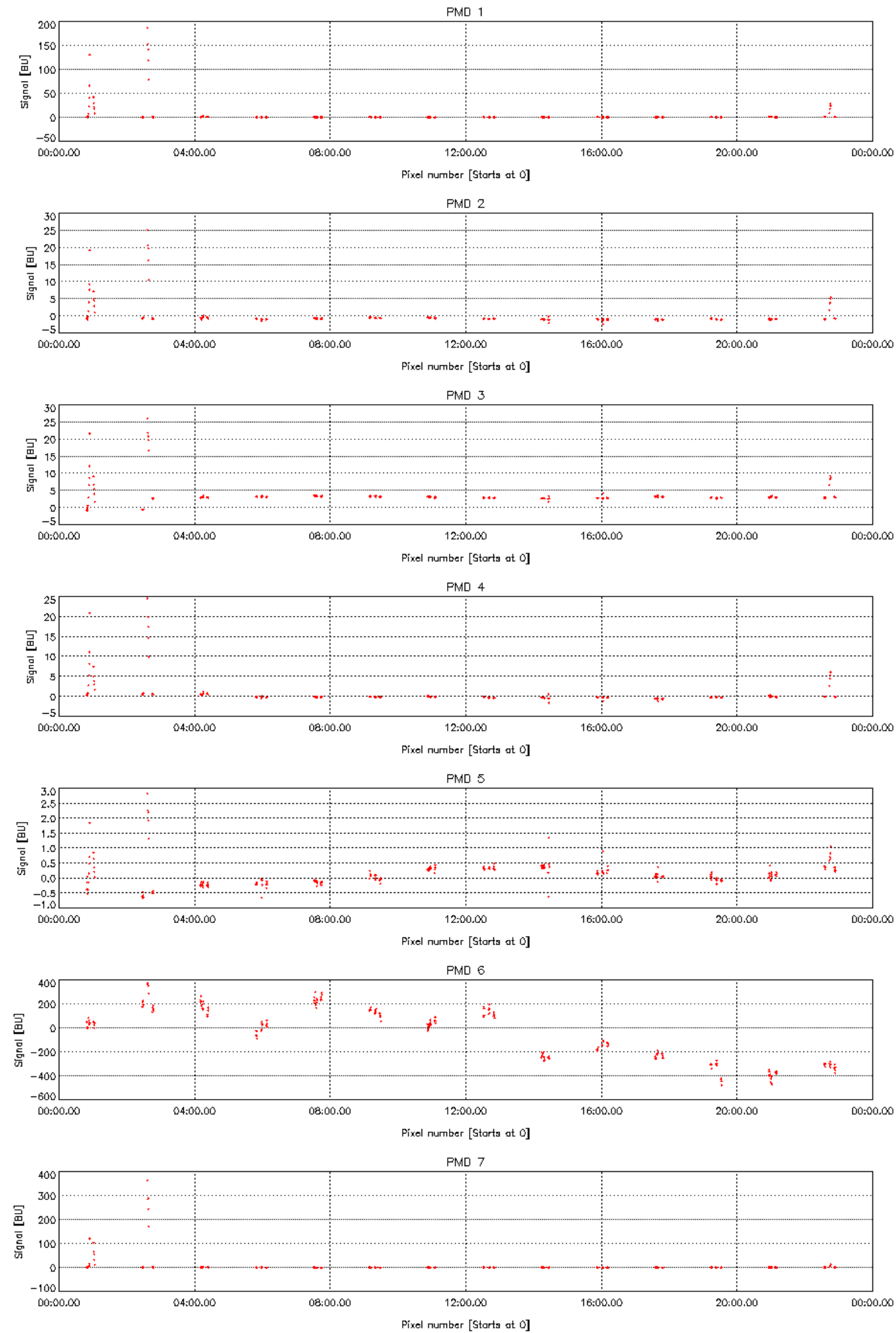


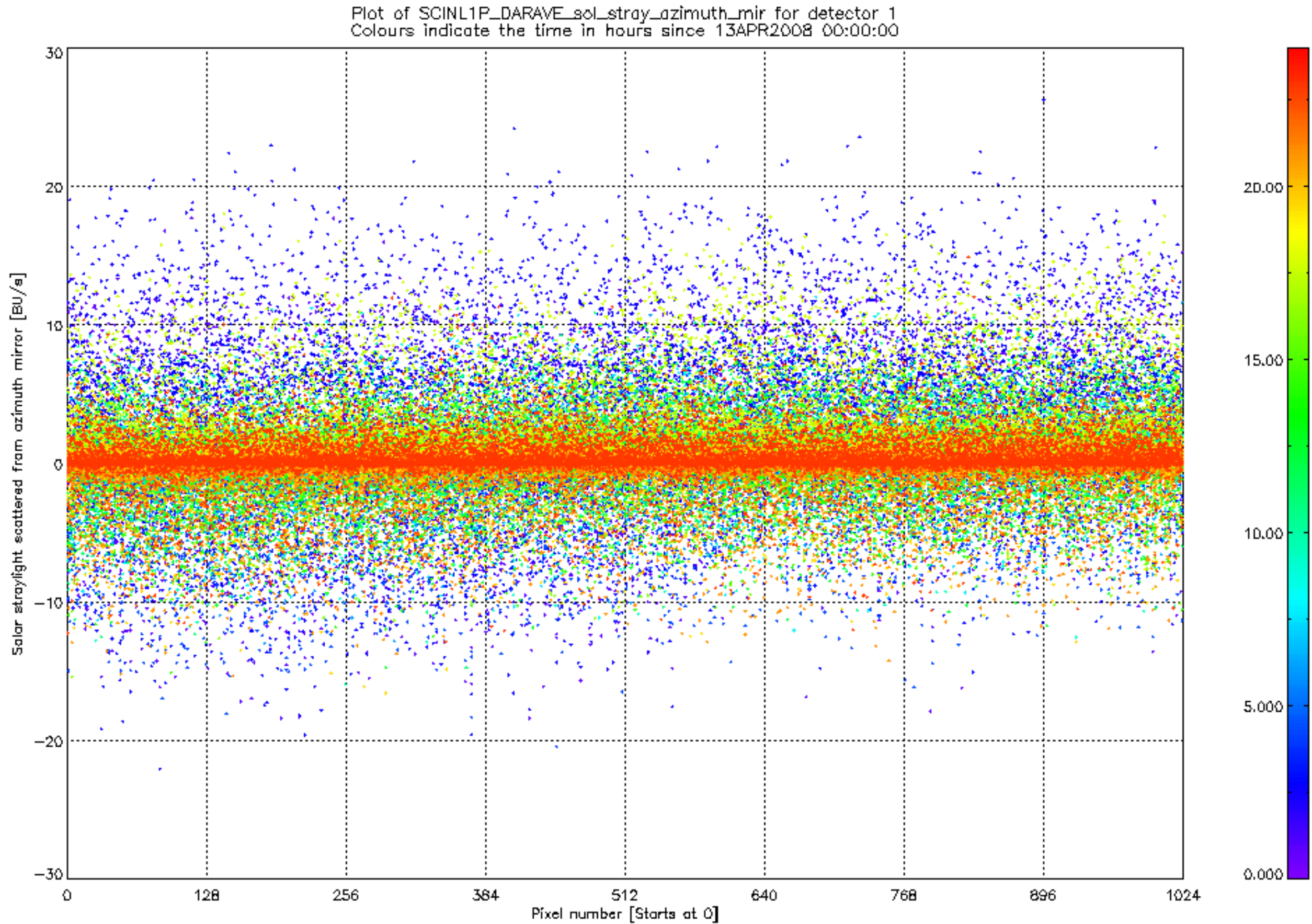
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 13APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 13APR2008 00:00:00

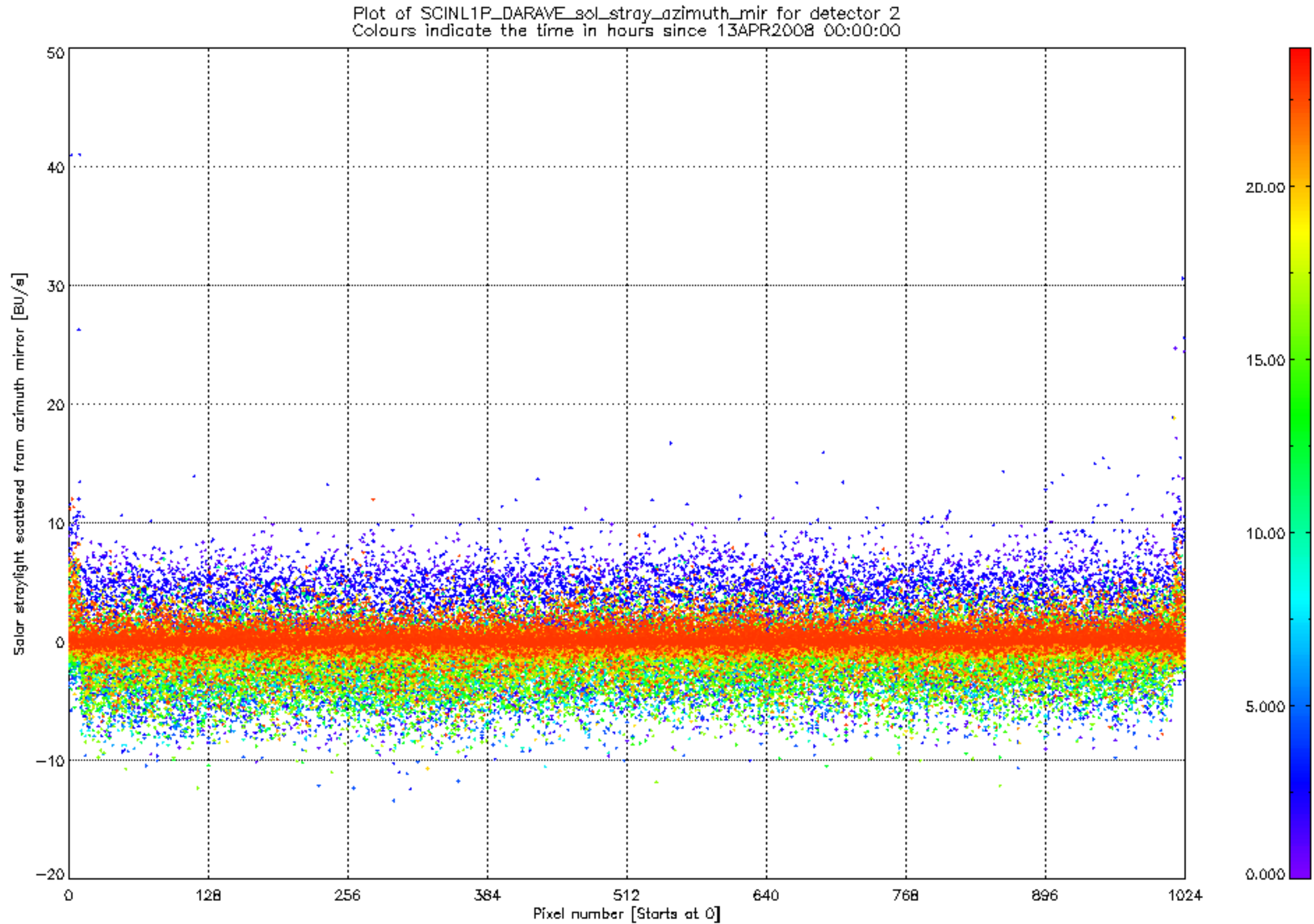


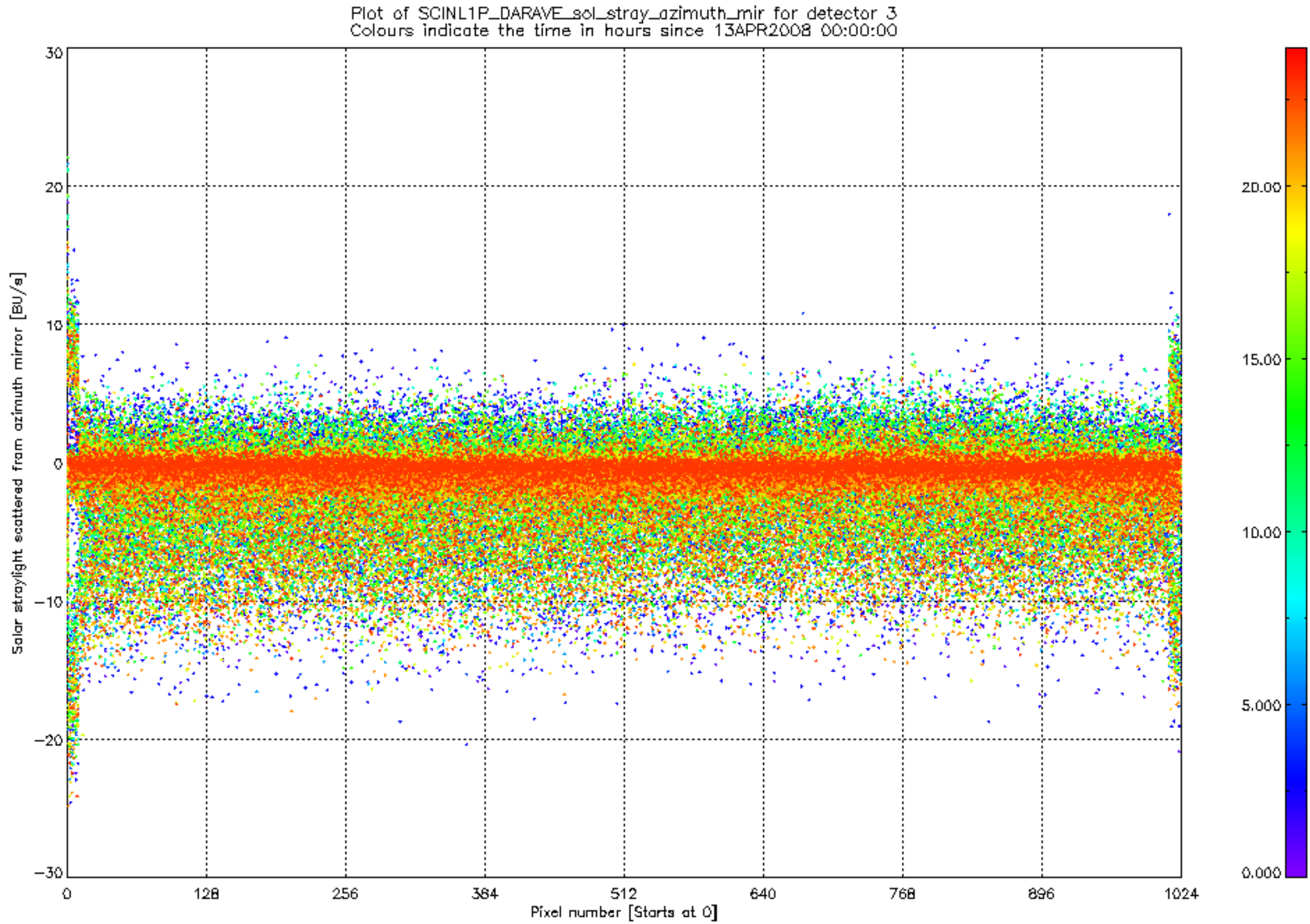
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 13APR2008 (red).
New leakage current offset data is given in blue for comparison.

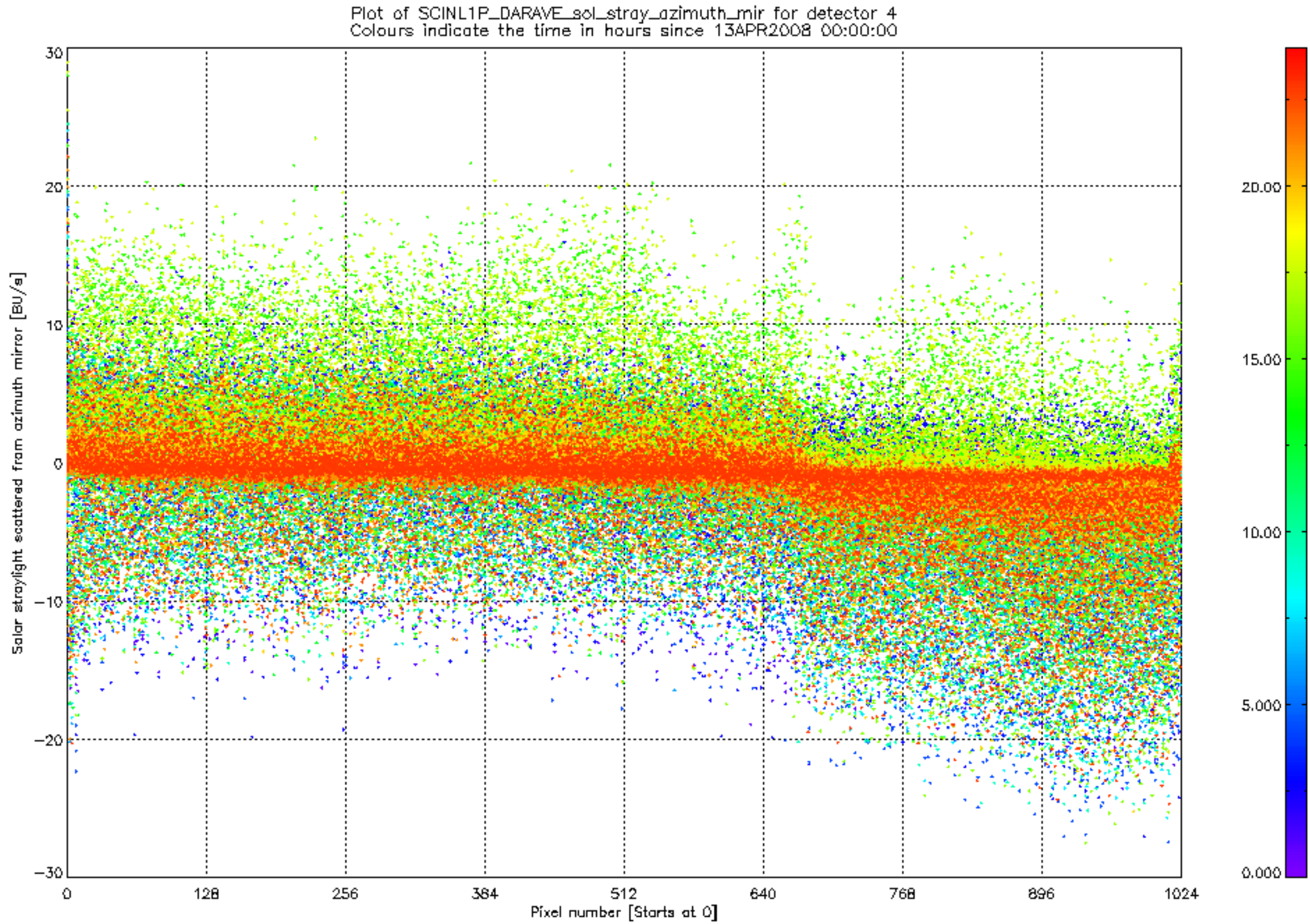


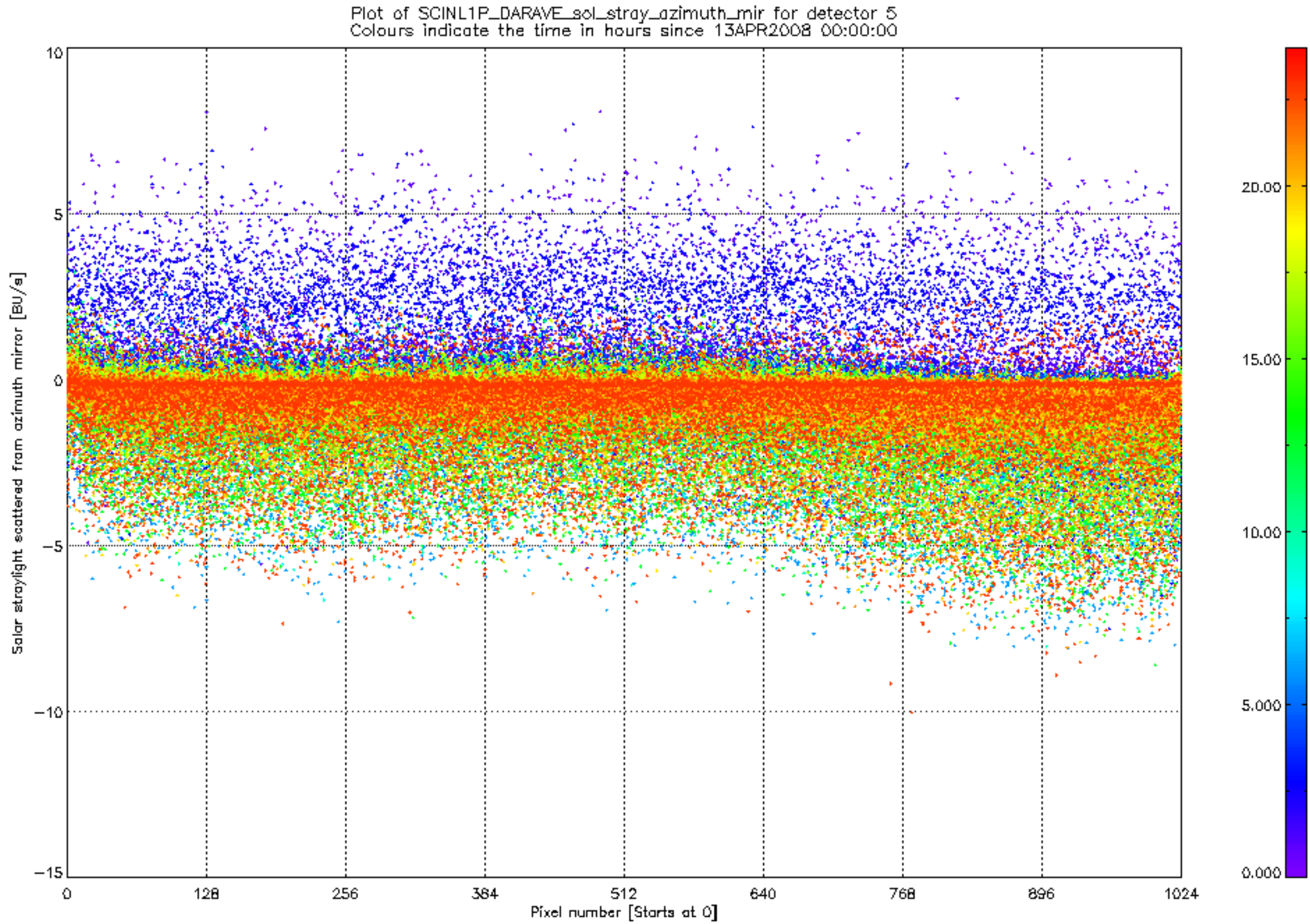


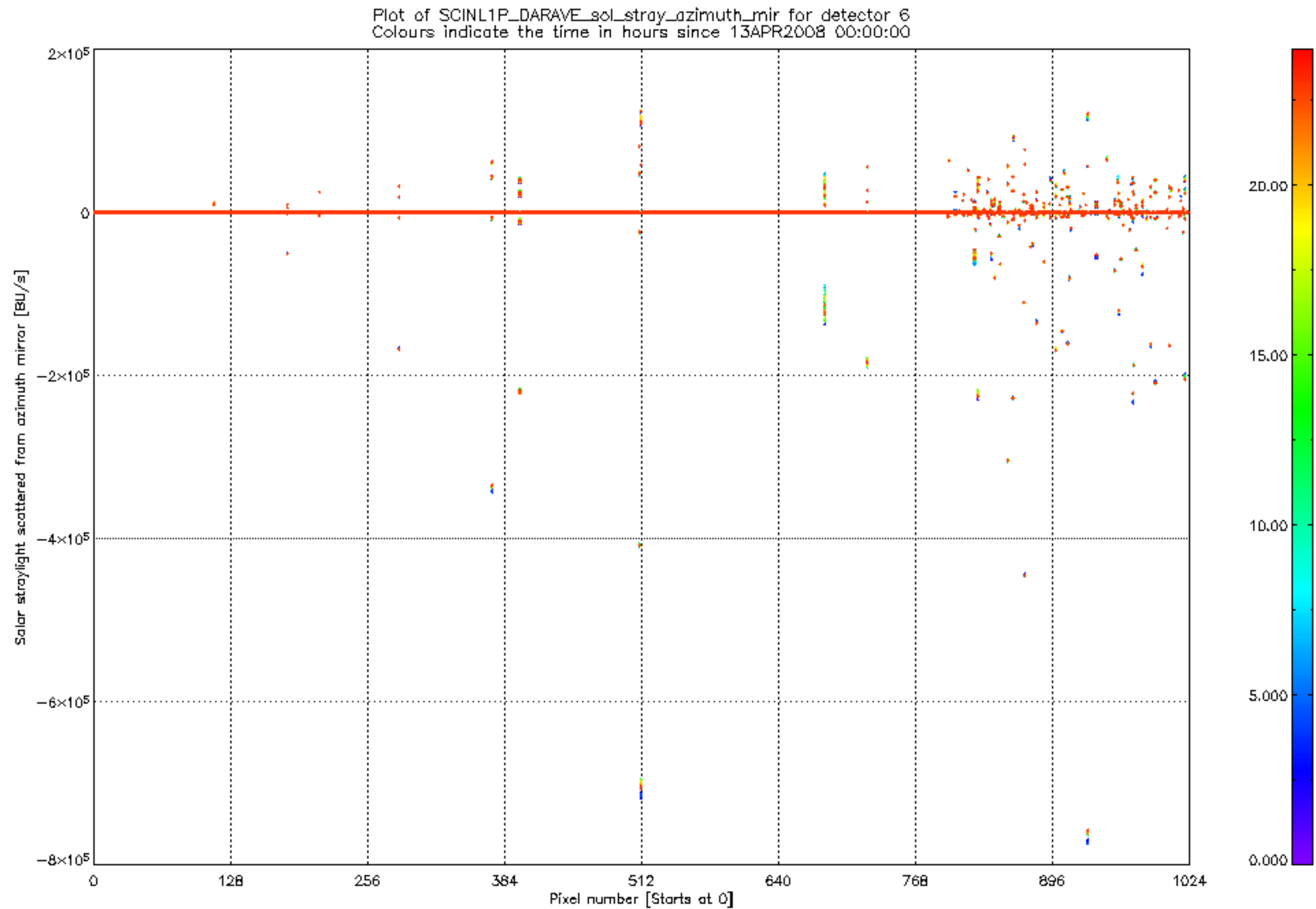






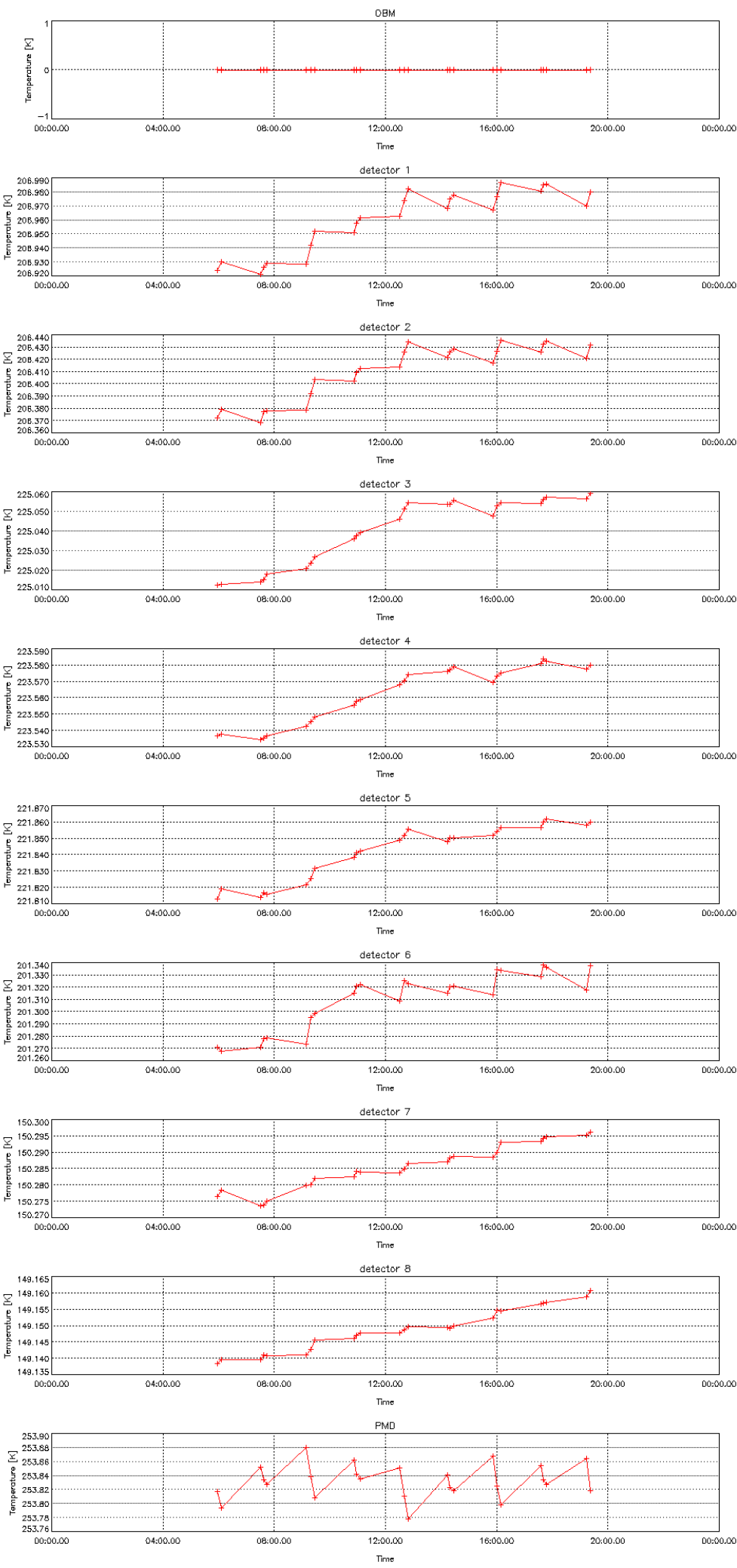




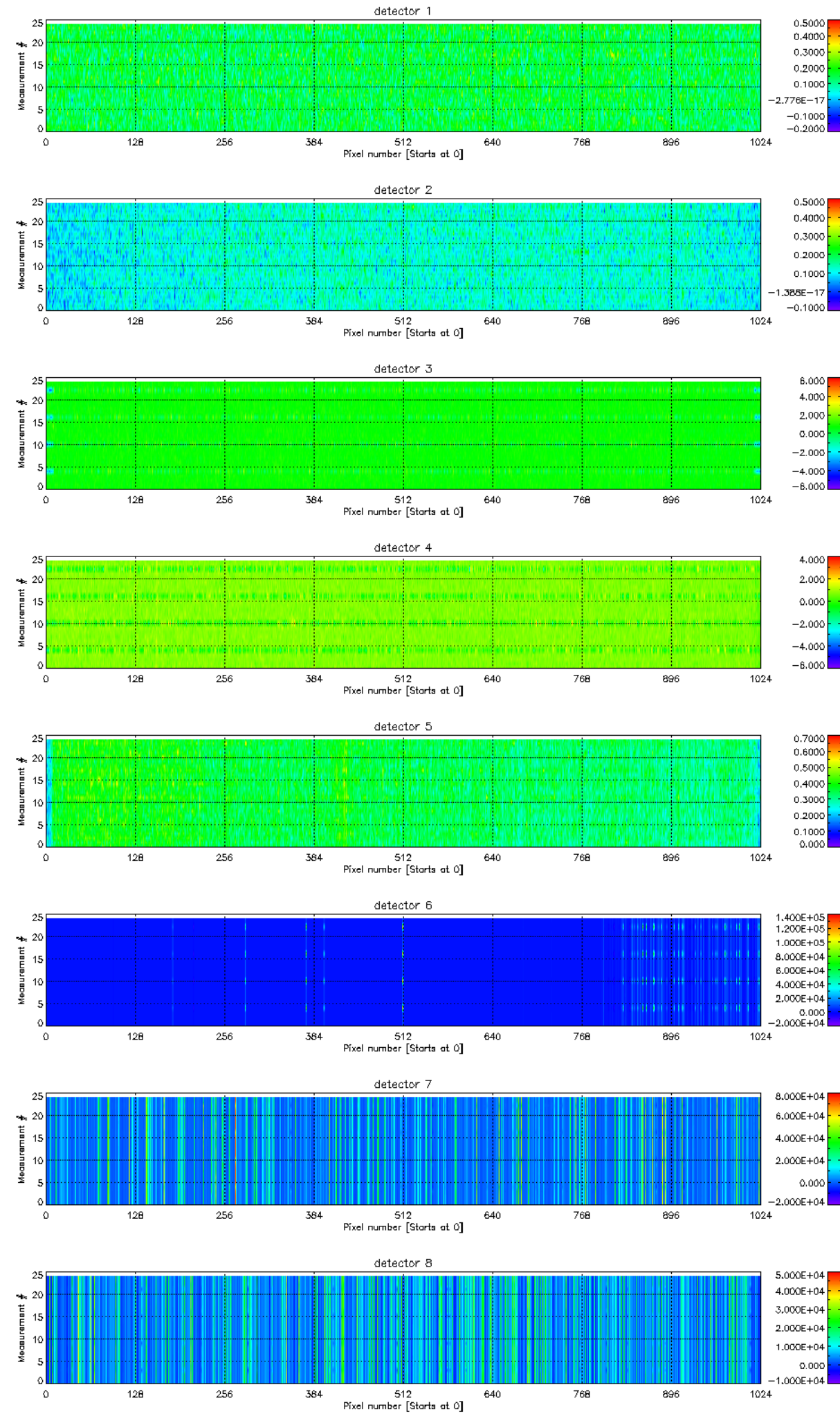




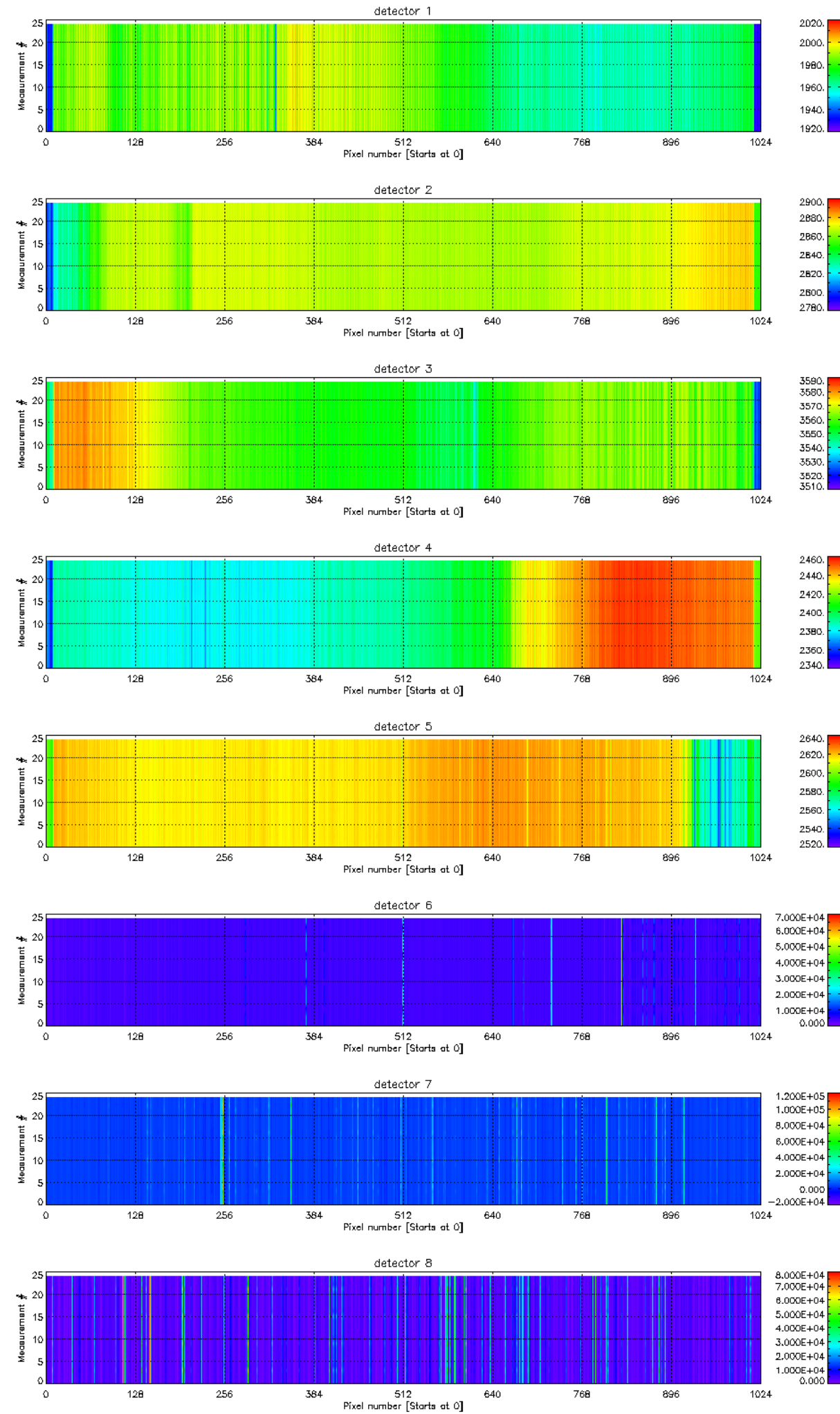




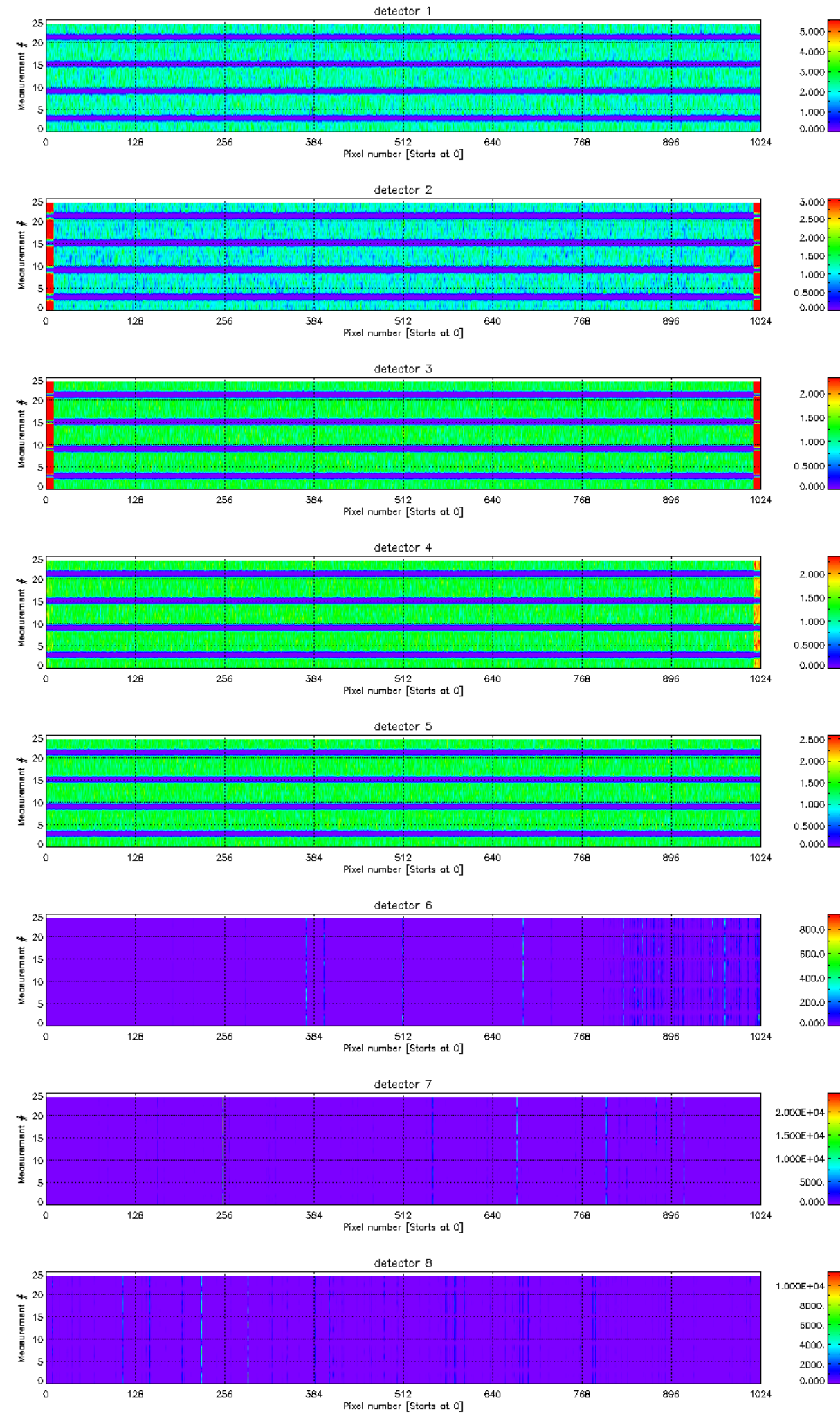
Plots of SCINL1P_NEWLEA_leak_cur for various detectors on 13APR2008.
Colours indicate the value in BU/s.



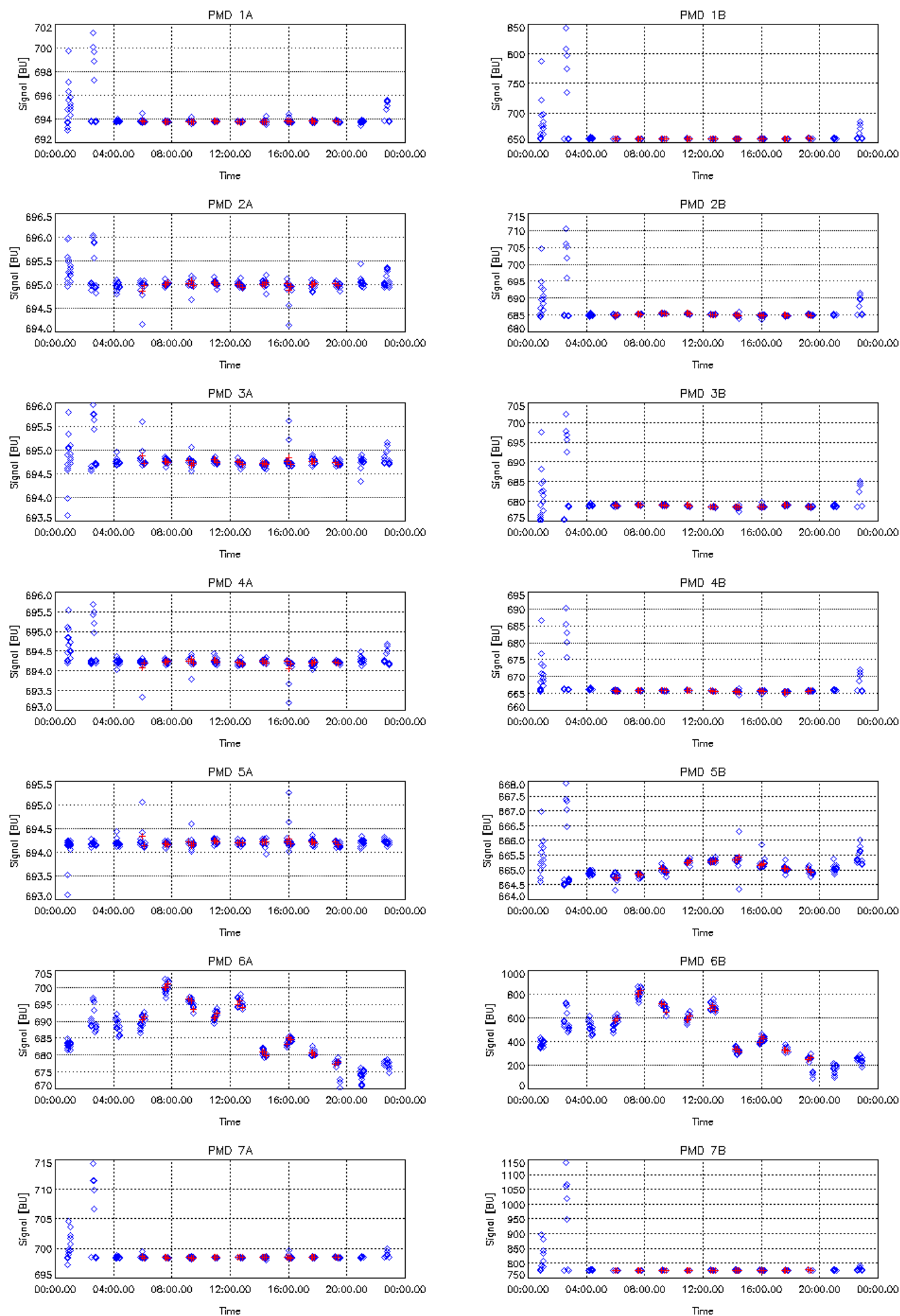
Plots of SCINL1P_NEWLEA_fpn for various detectors on 13APR2008.
Colours indicate the value in BU.

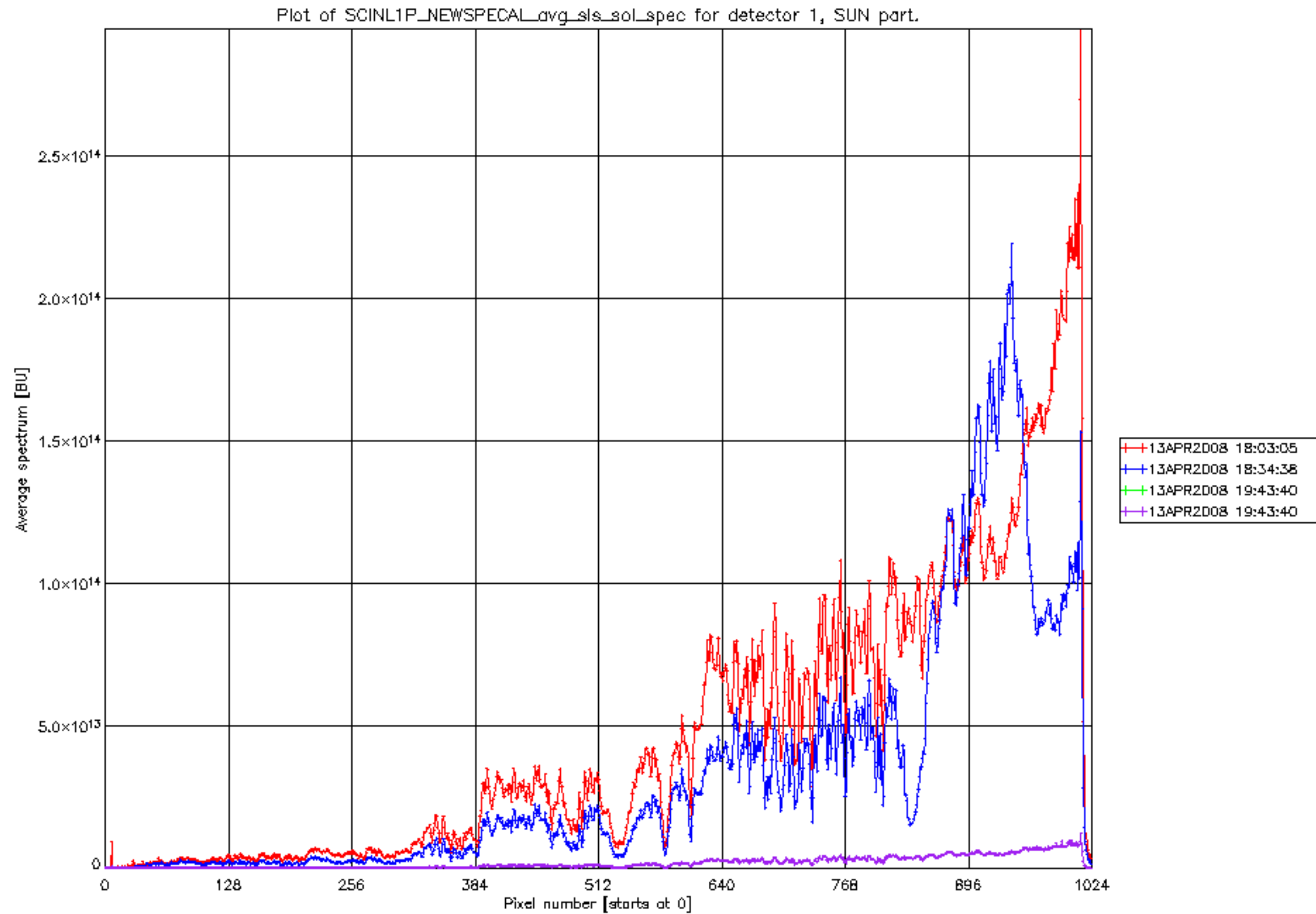


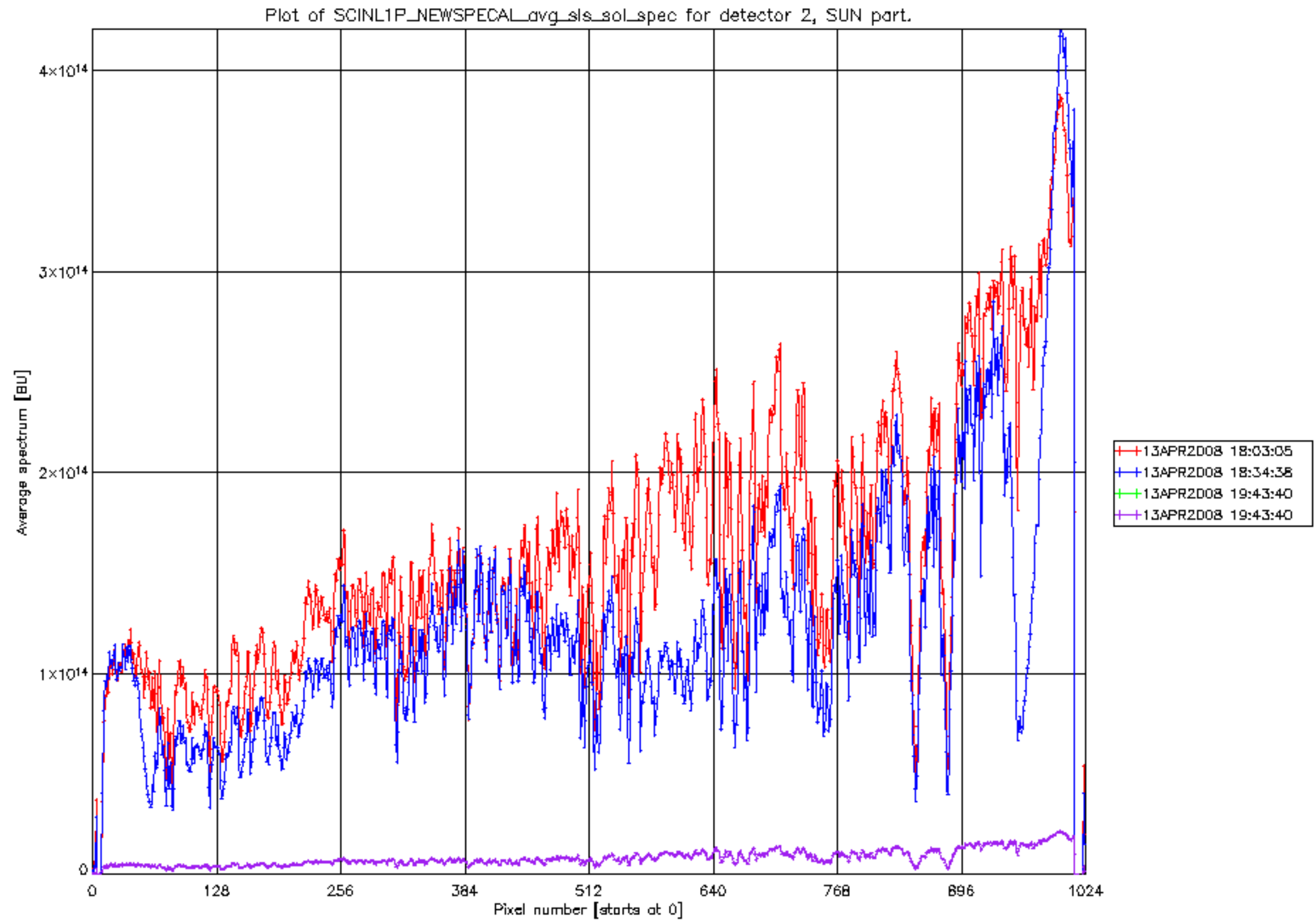
Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 13APR2008.
Colours indicate the value in BU.

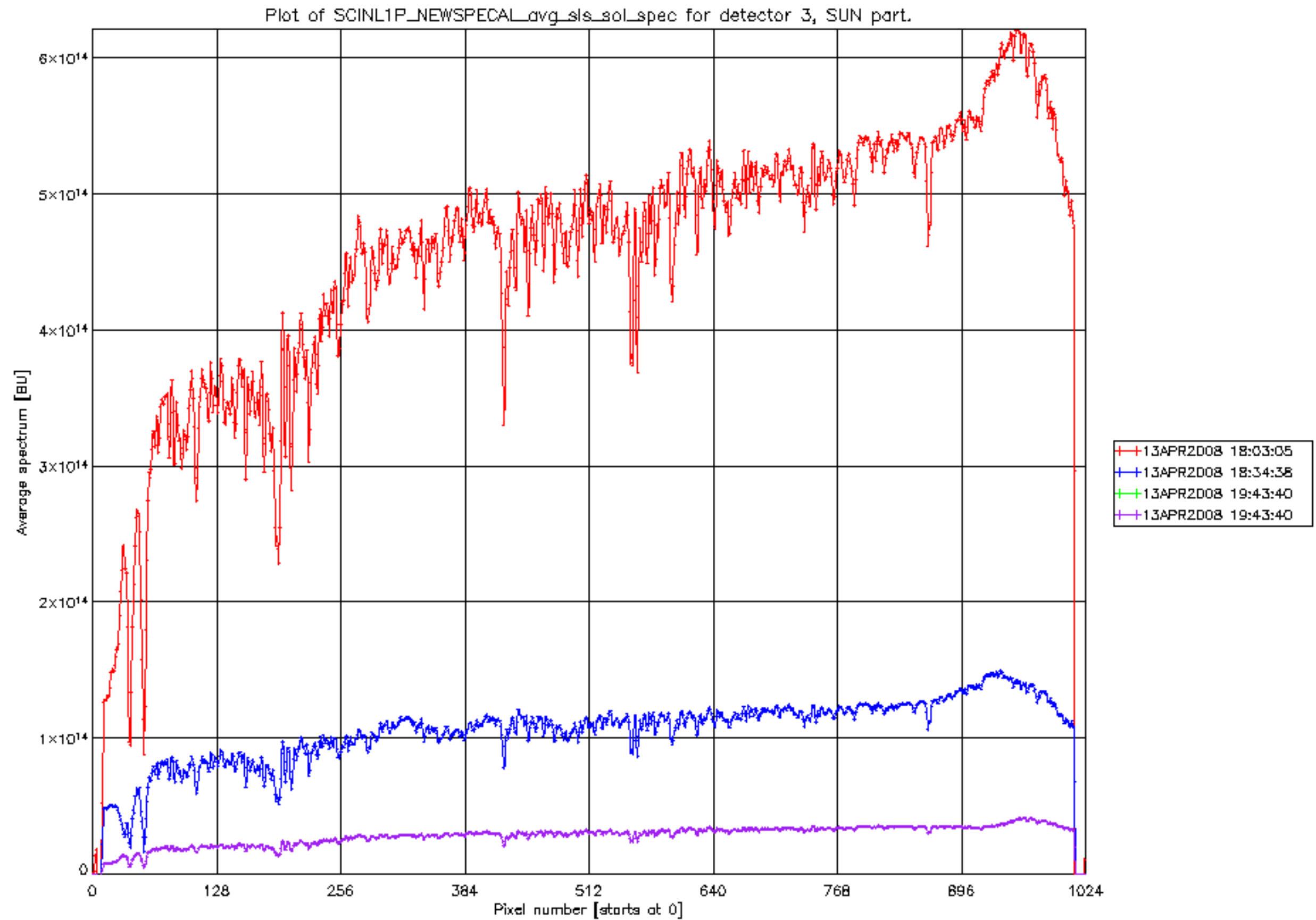


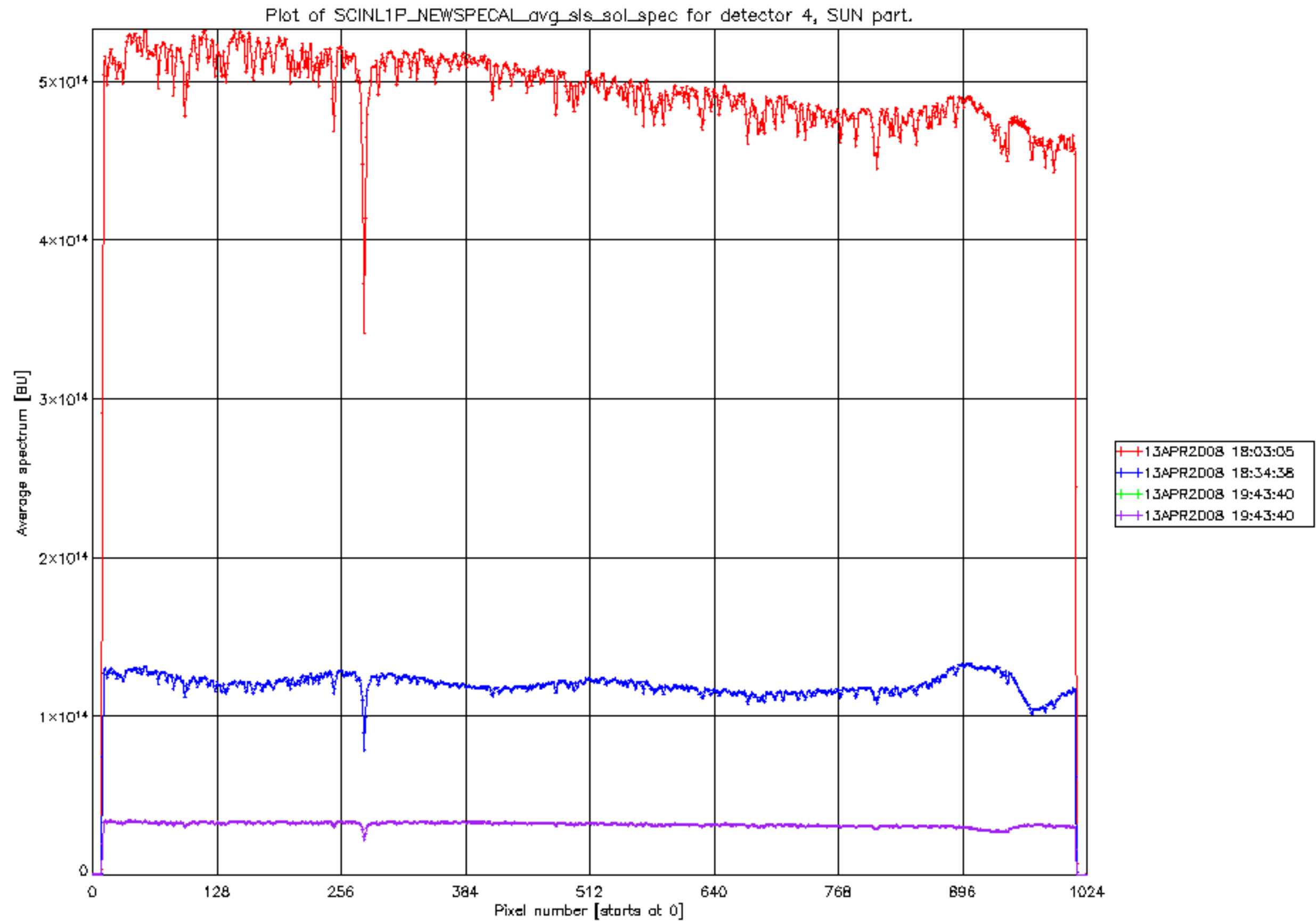
Plots of SCINL1P_NEWLEA_pmd_off vs time on 13APR2008 (red).
Dark average pmd data is given in blue for comparison.

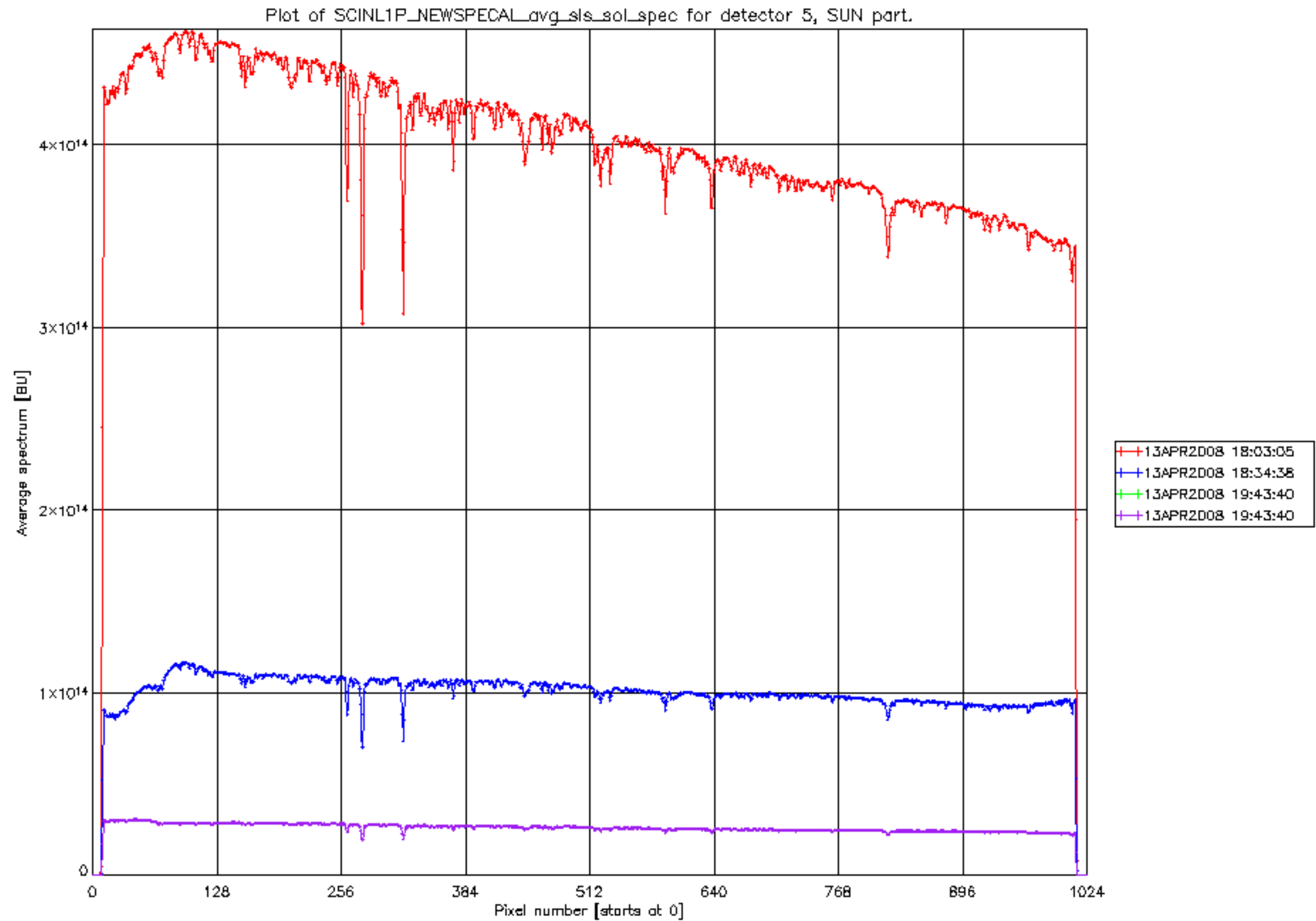


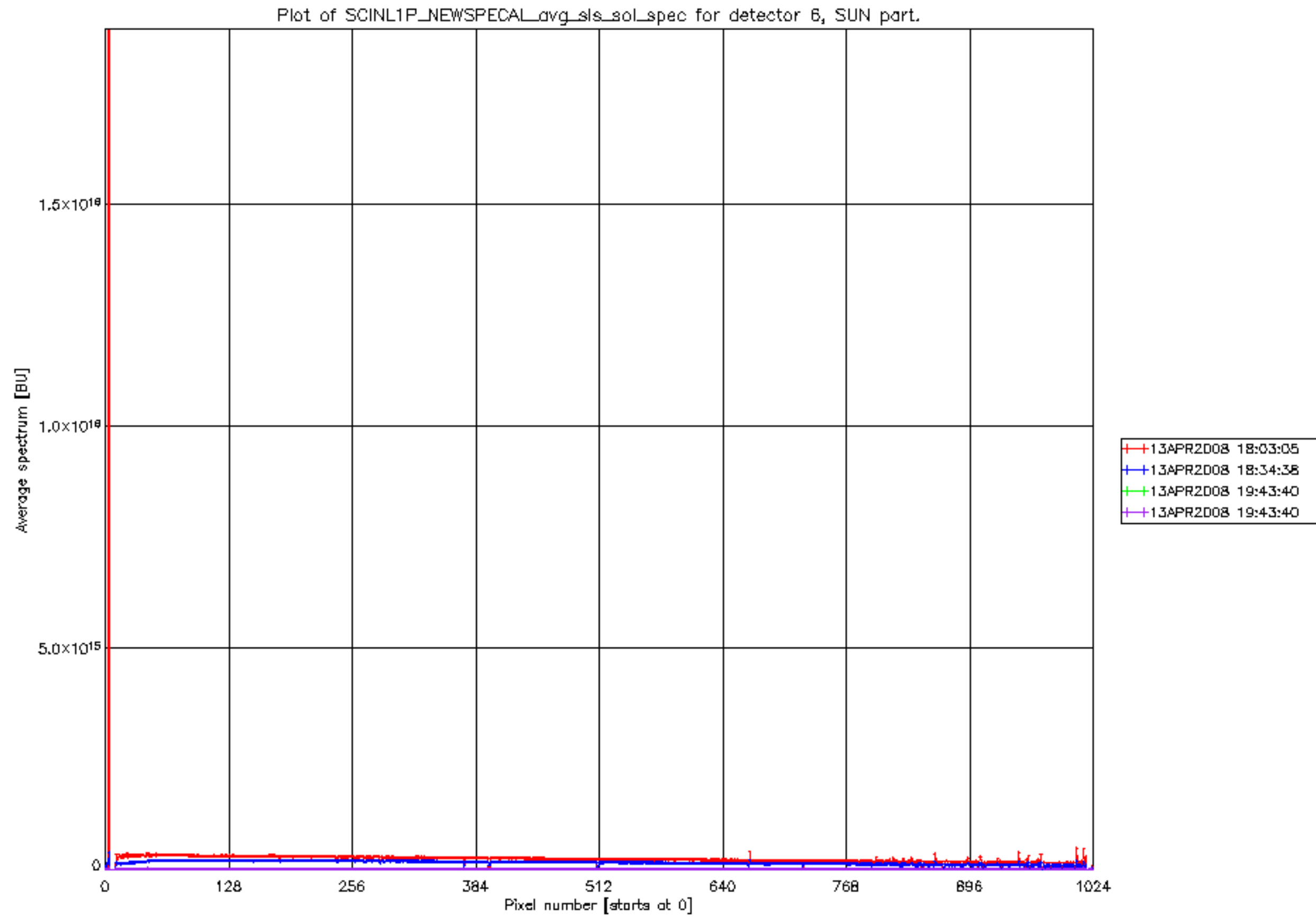


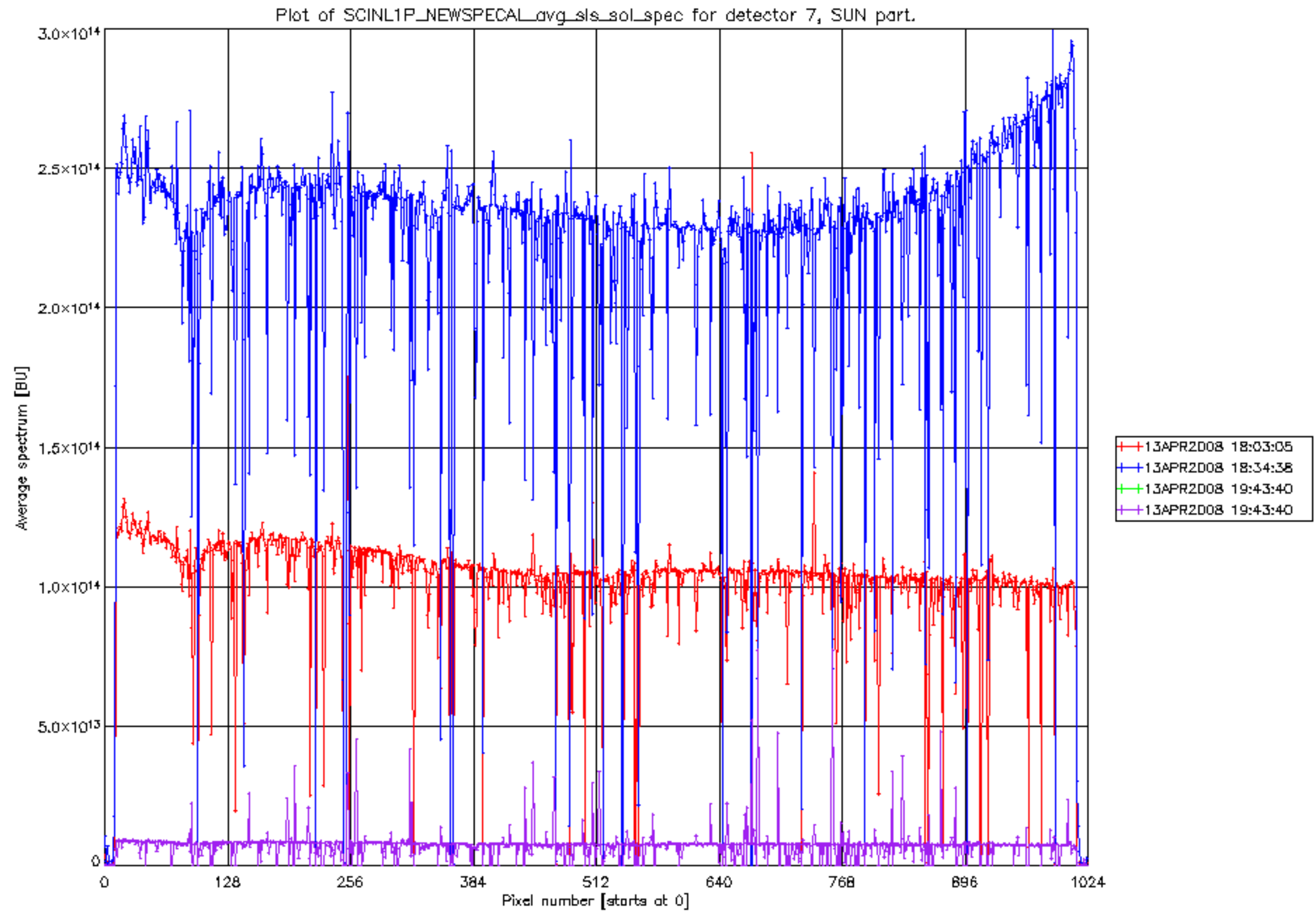


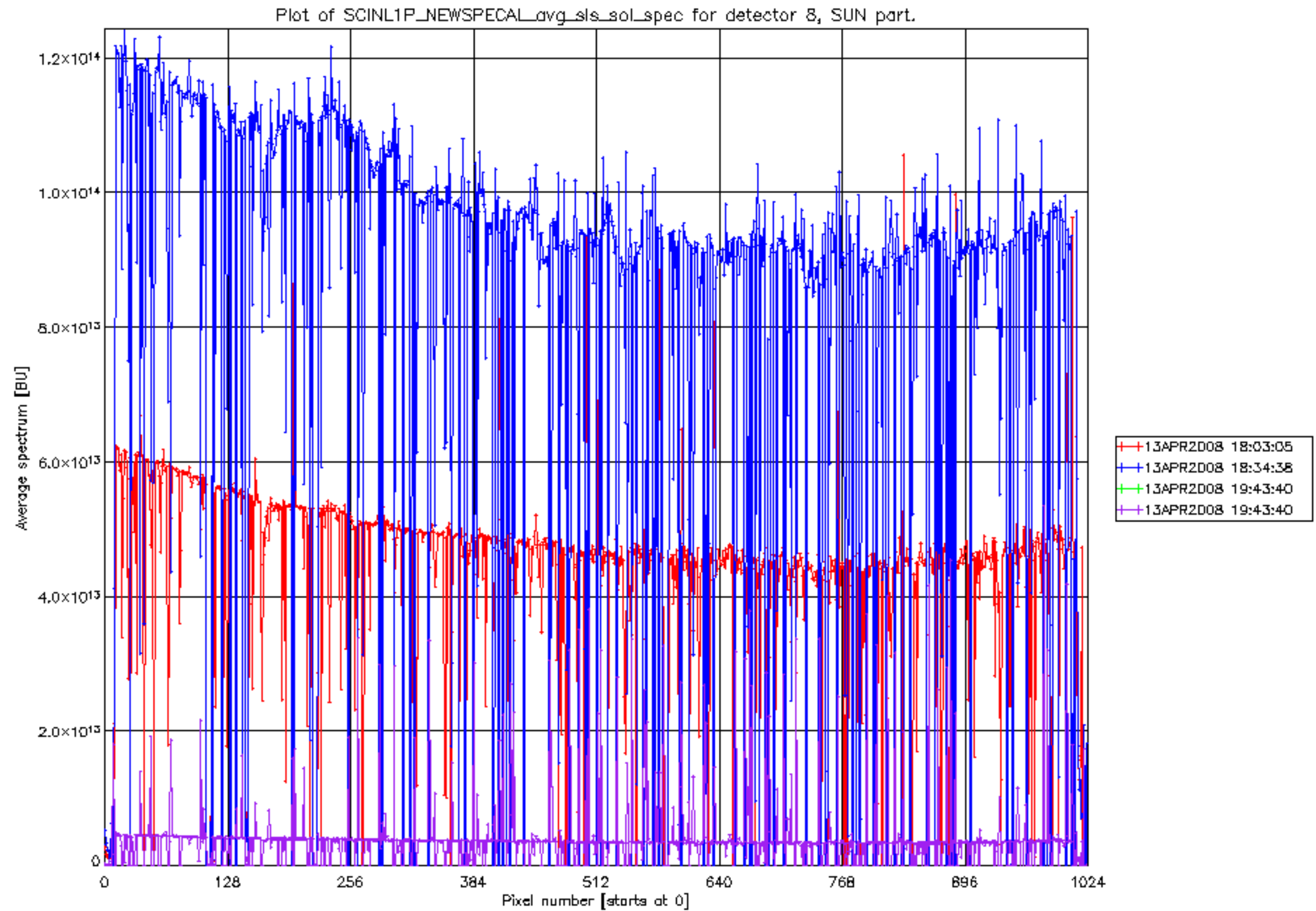


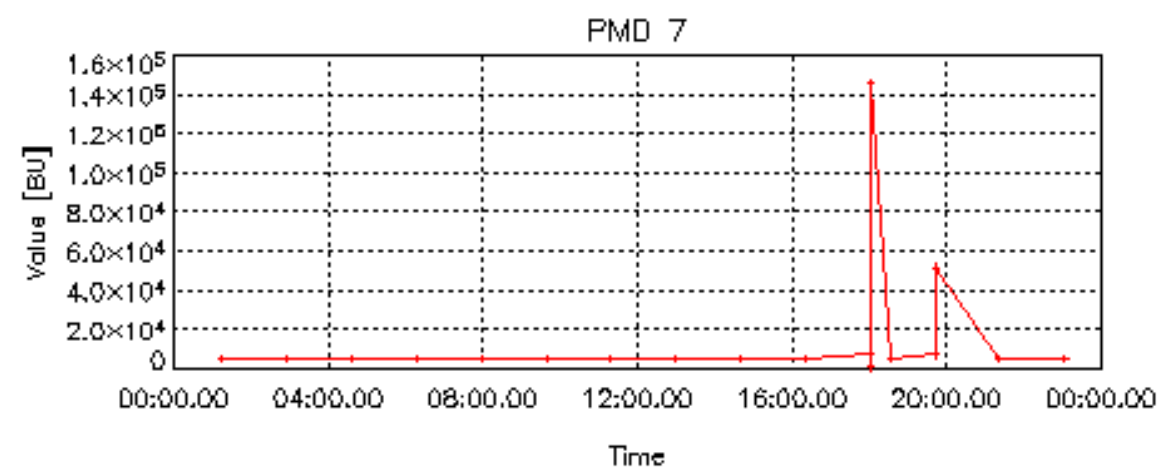
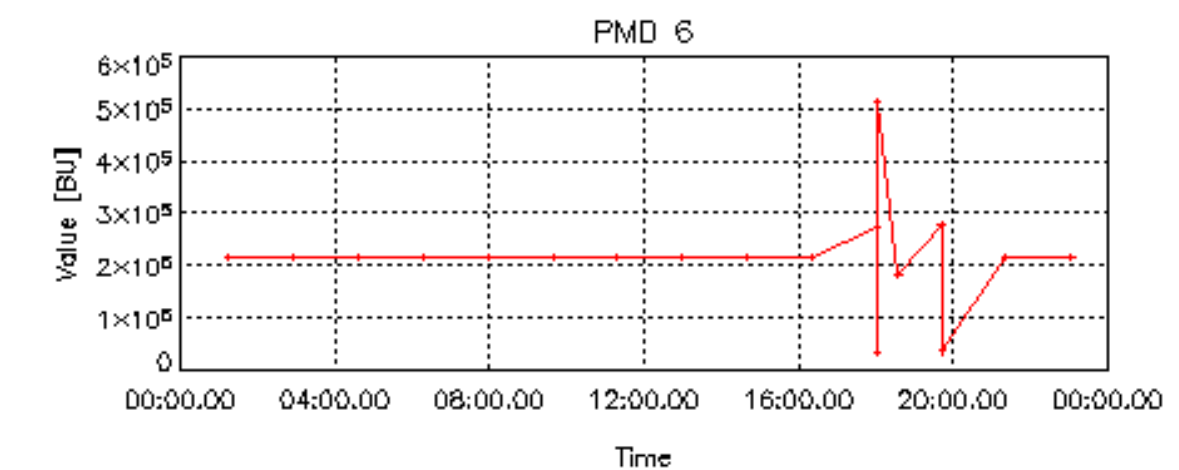
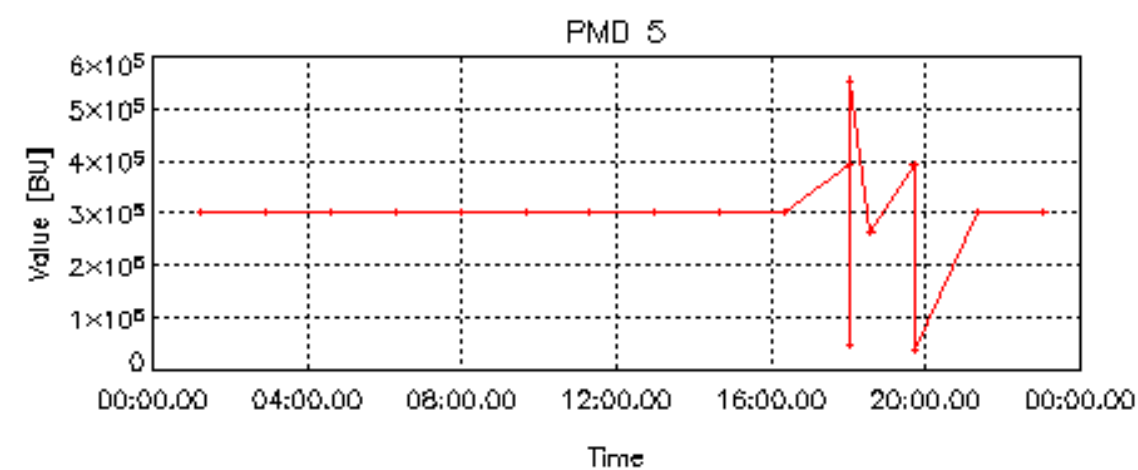
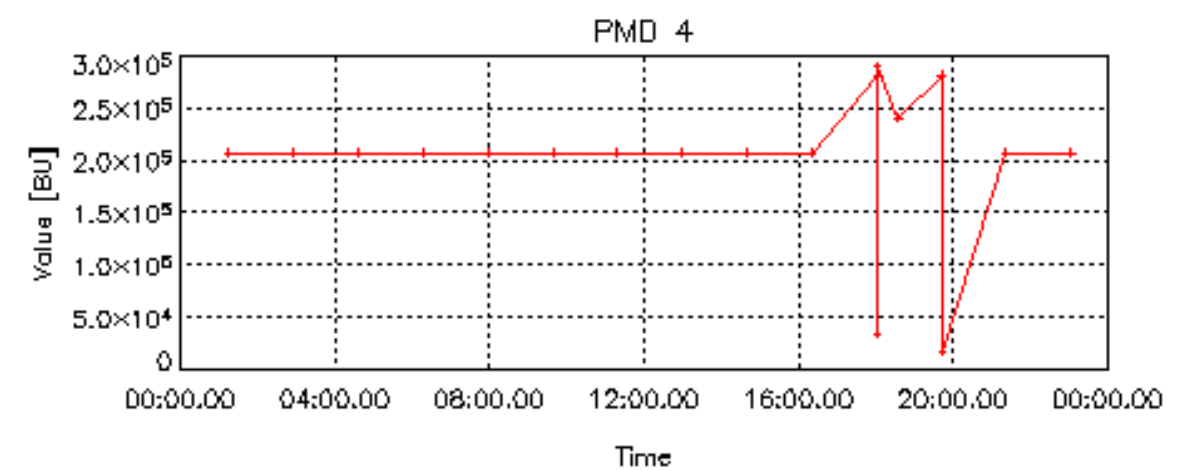
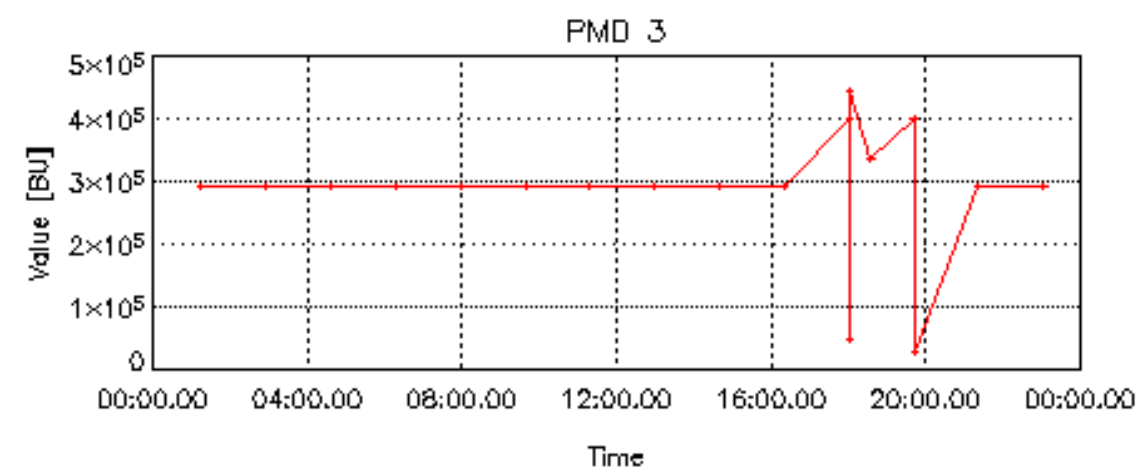
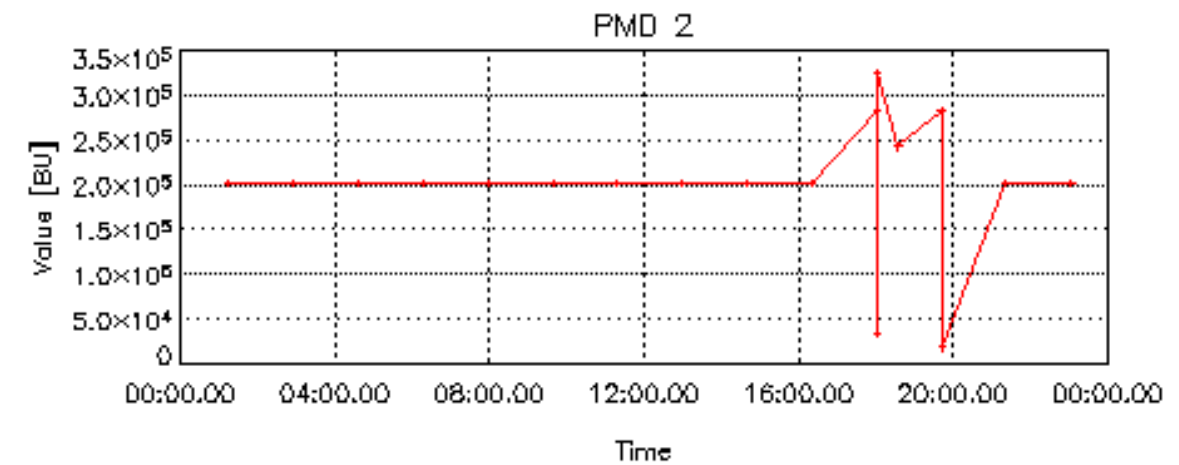
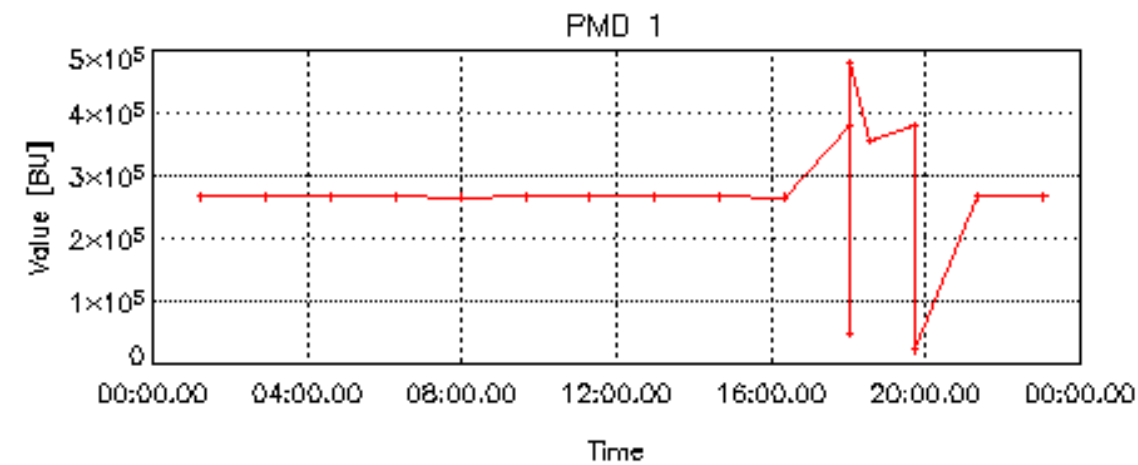


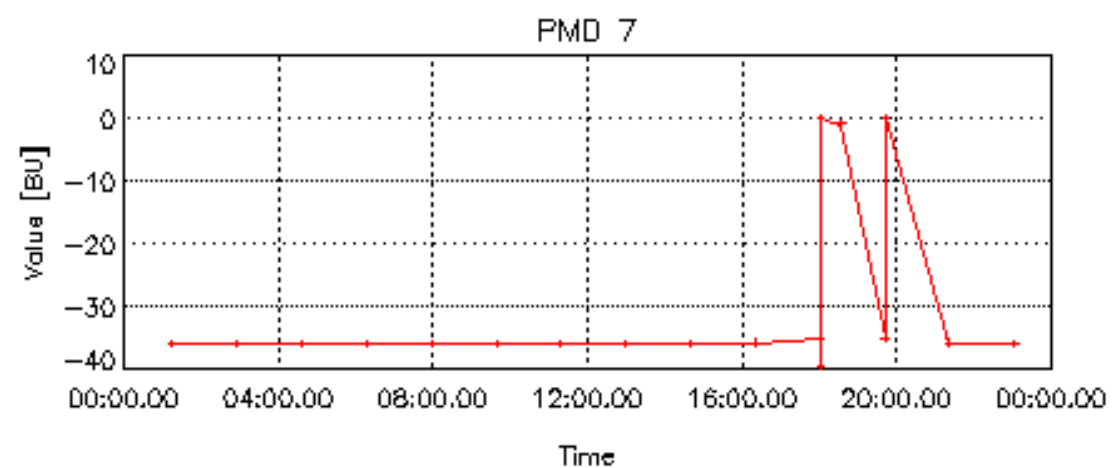
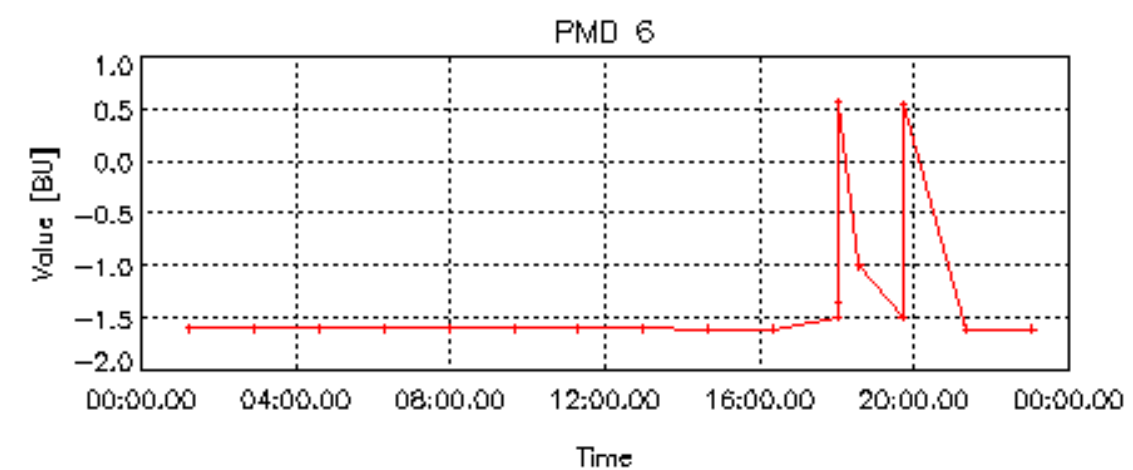
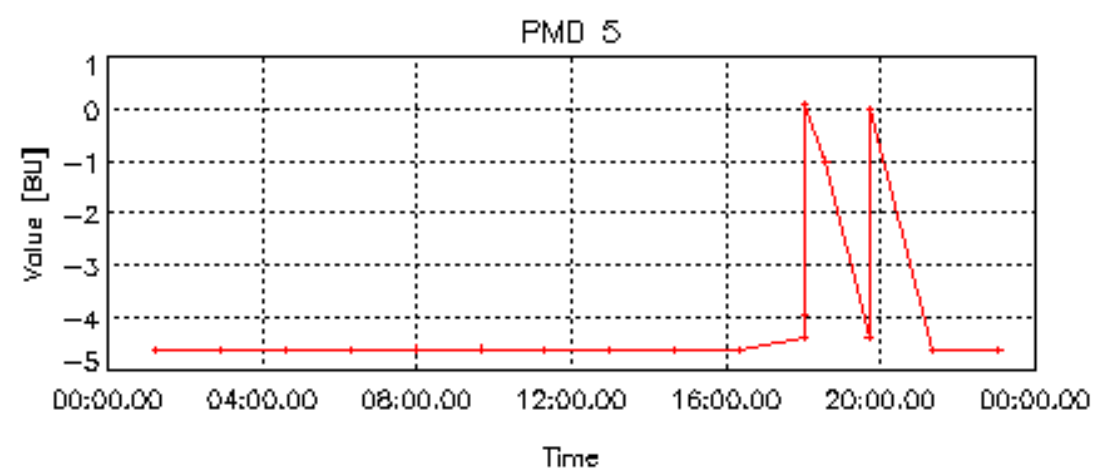
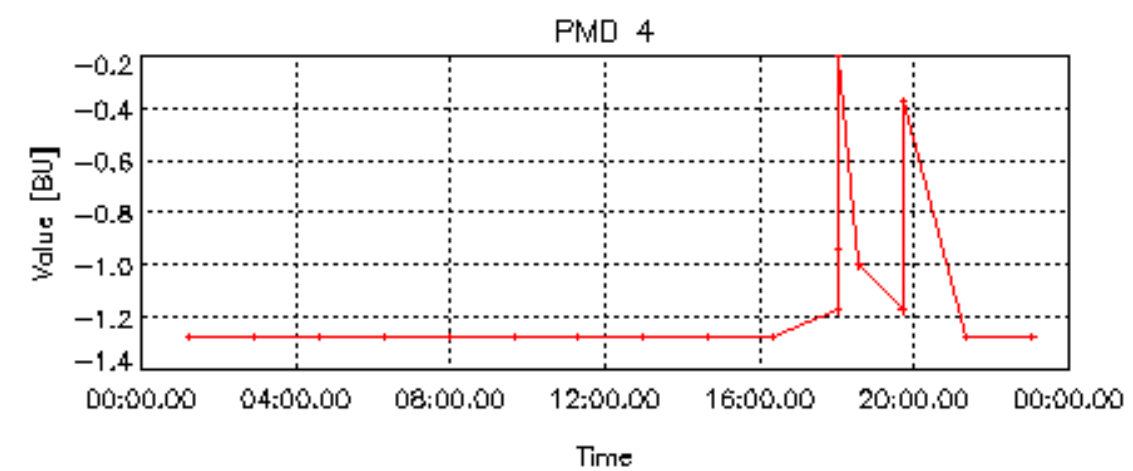
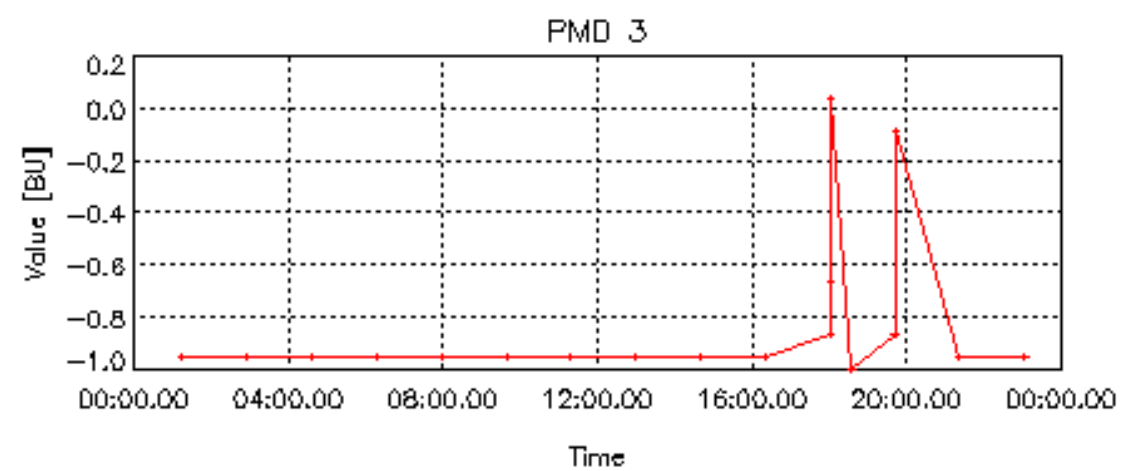
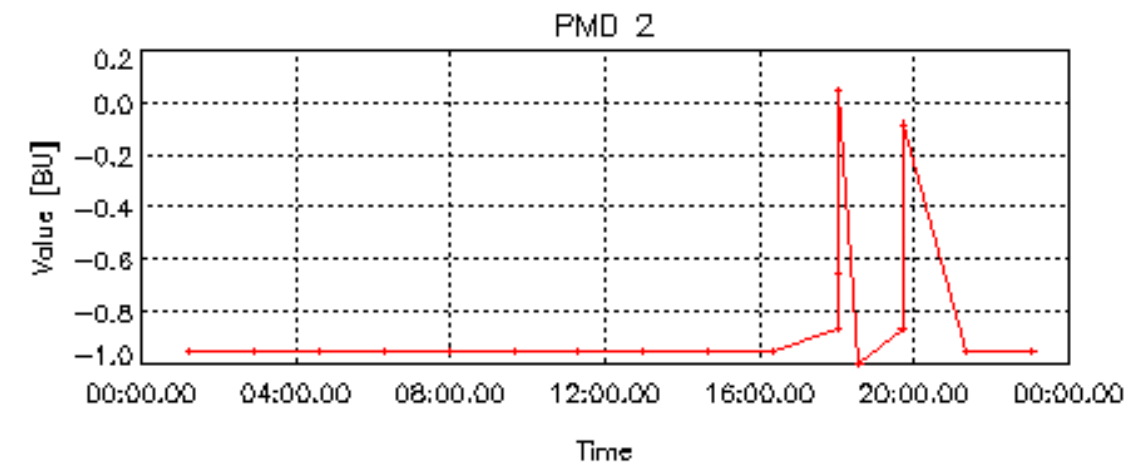
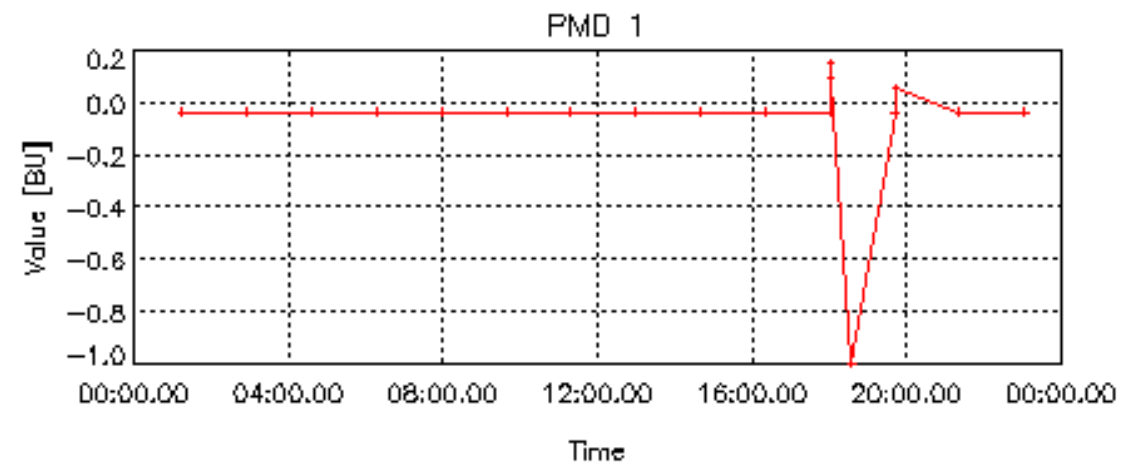


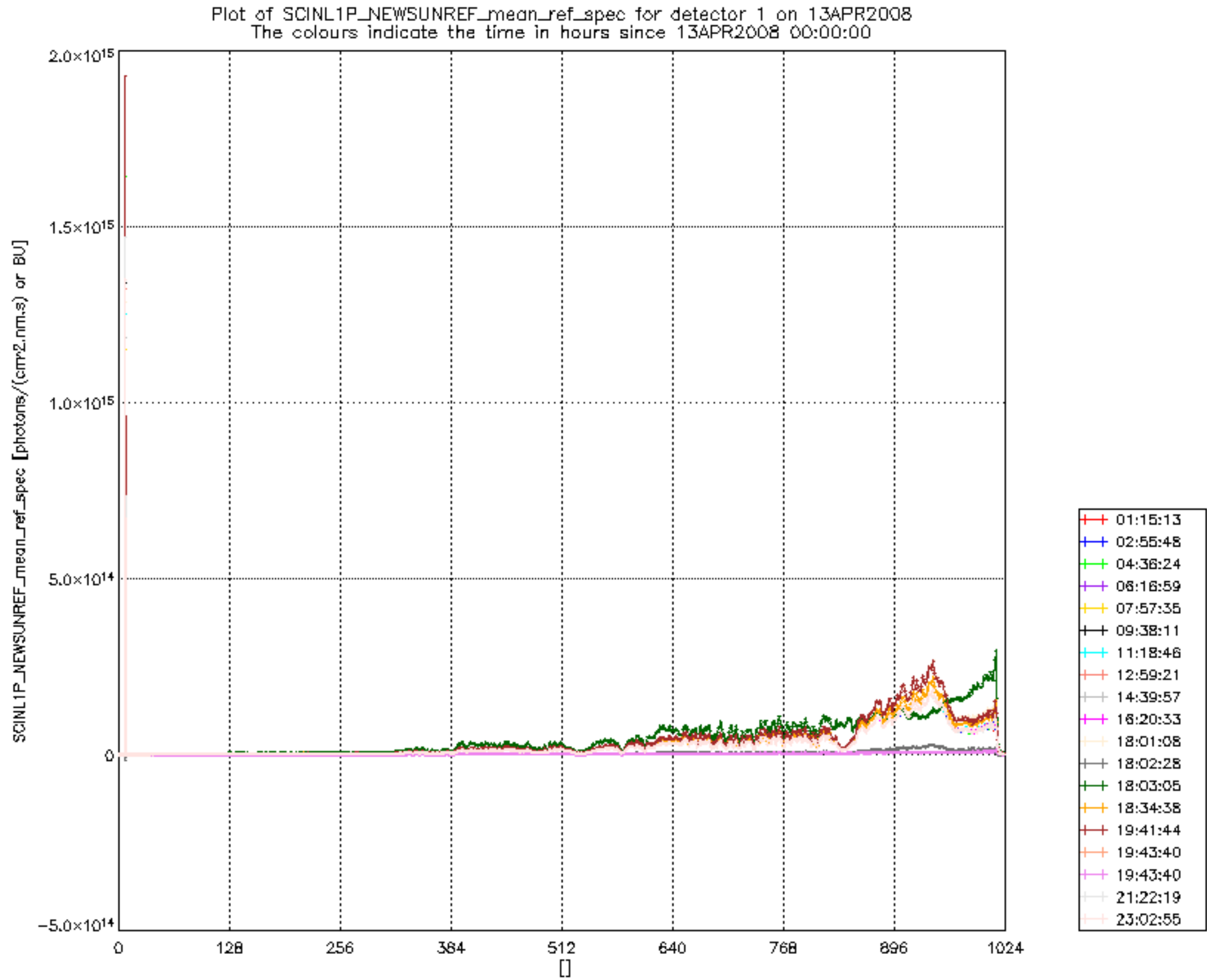




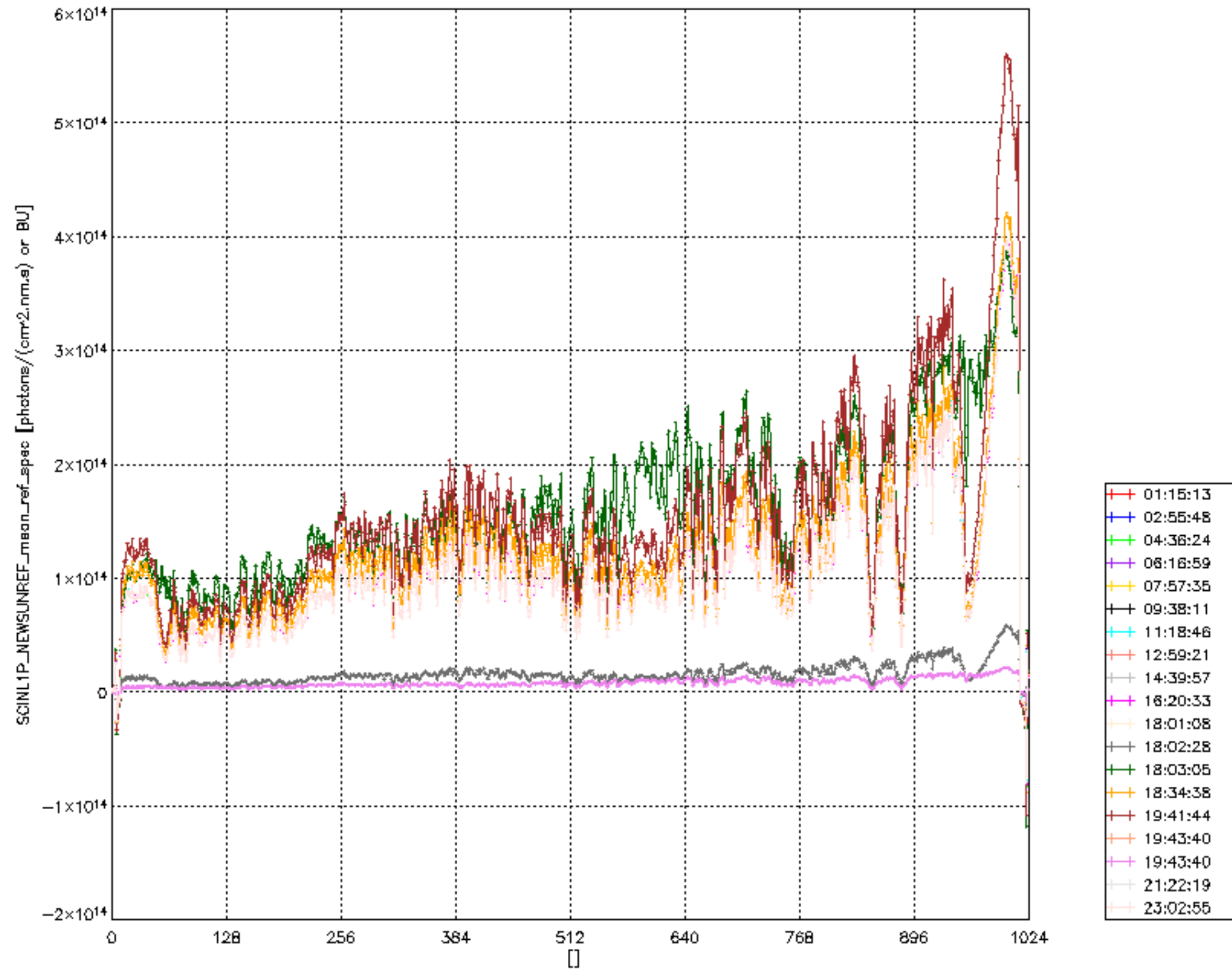


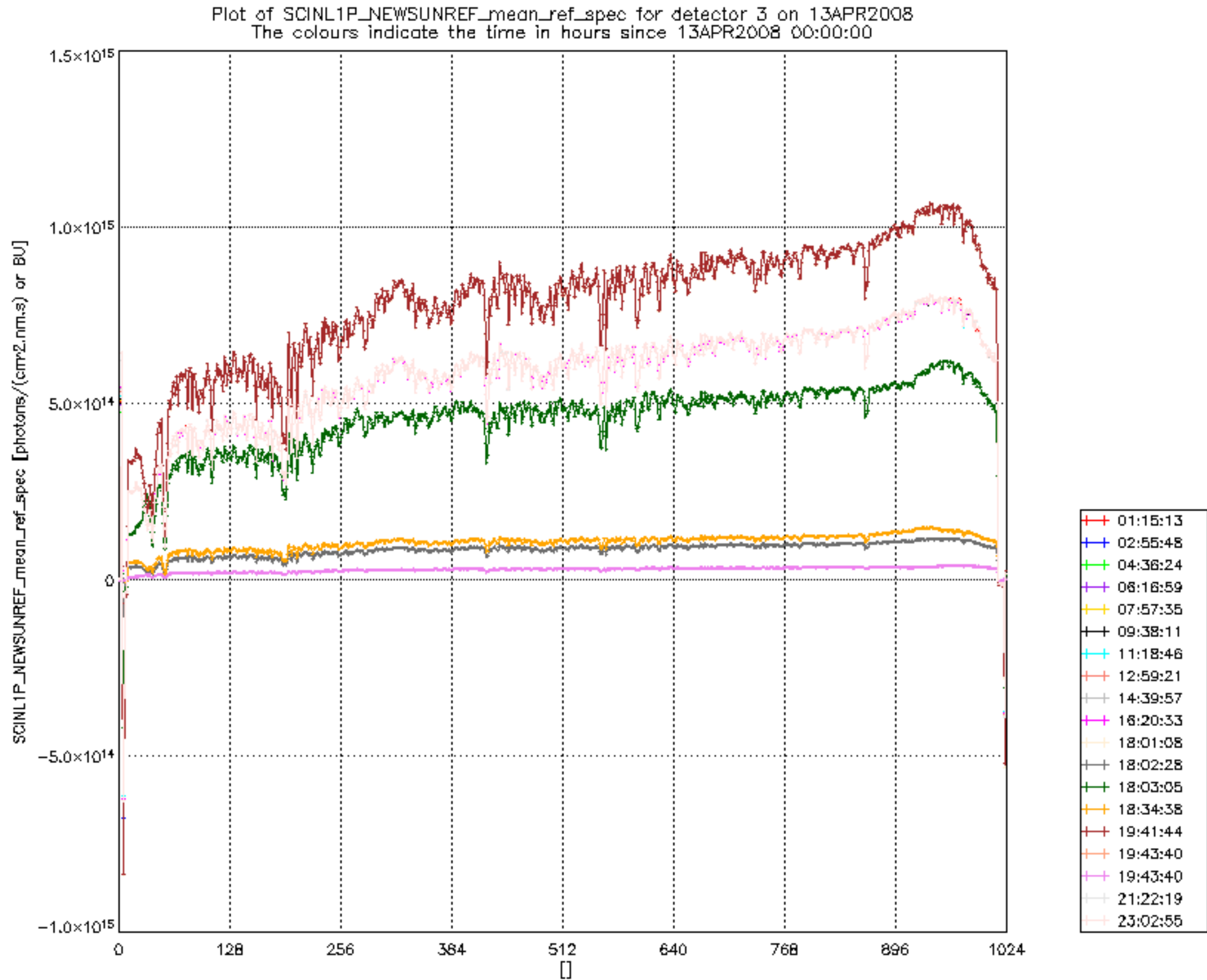




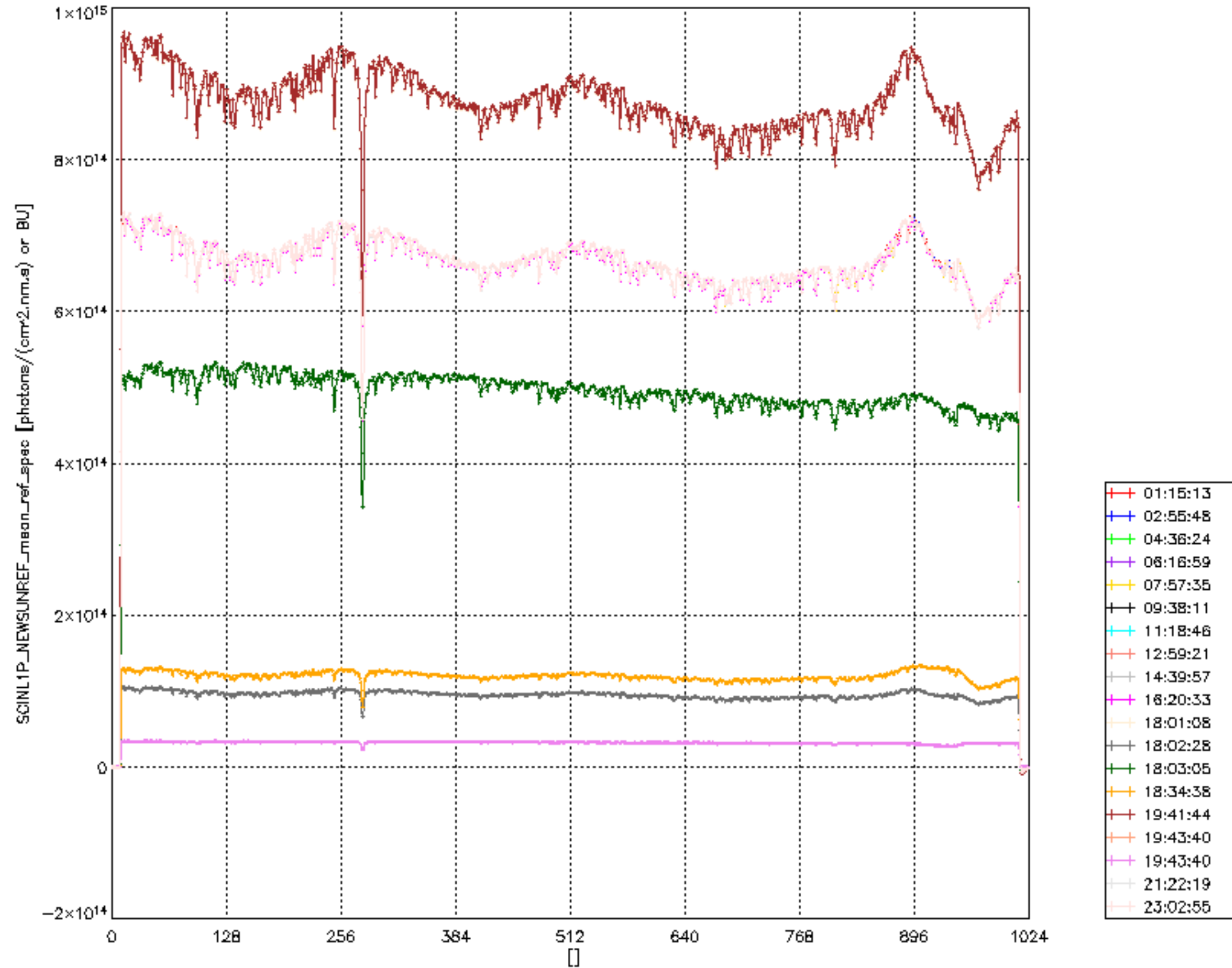


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 2 on 13APR2008
The colours indicate the time in hours since 13APR2008 00:00:00

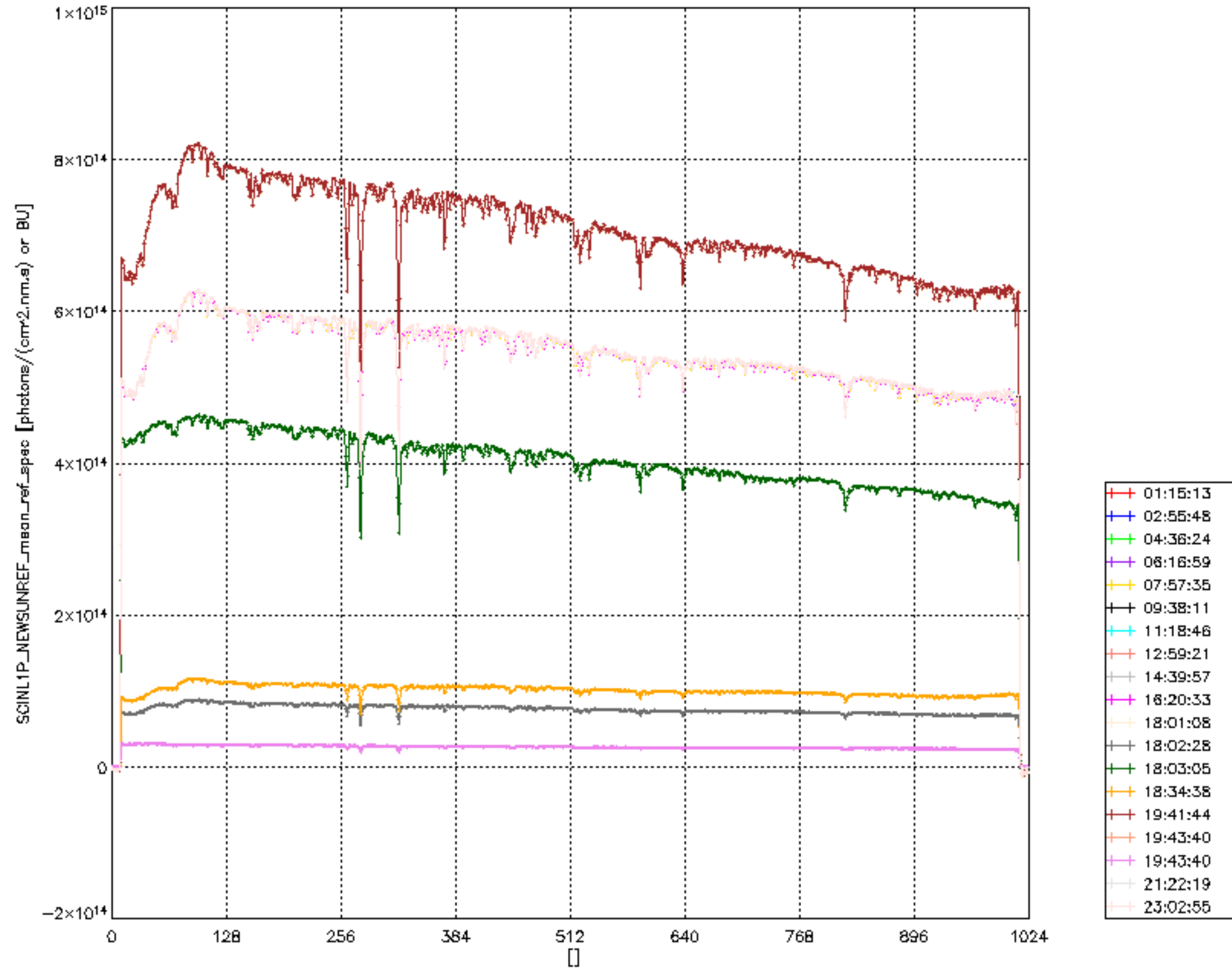


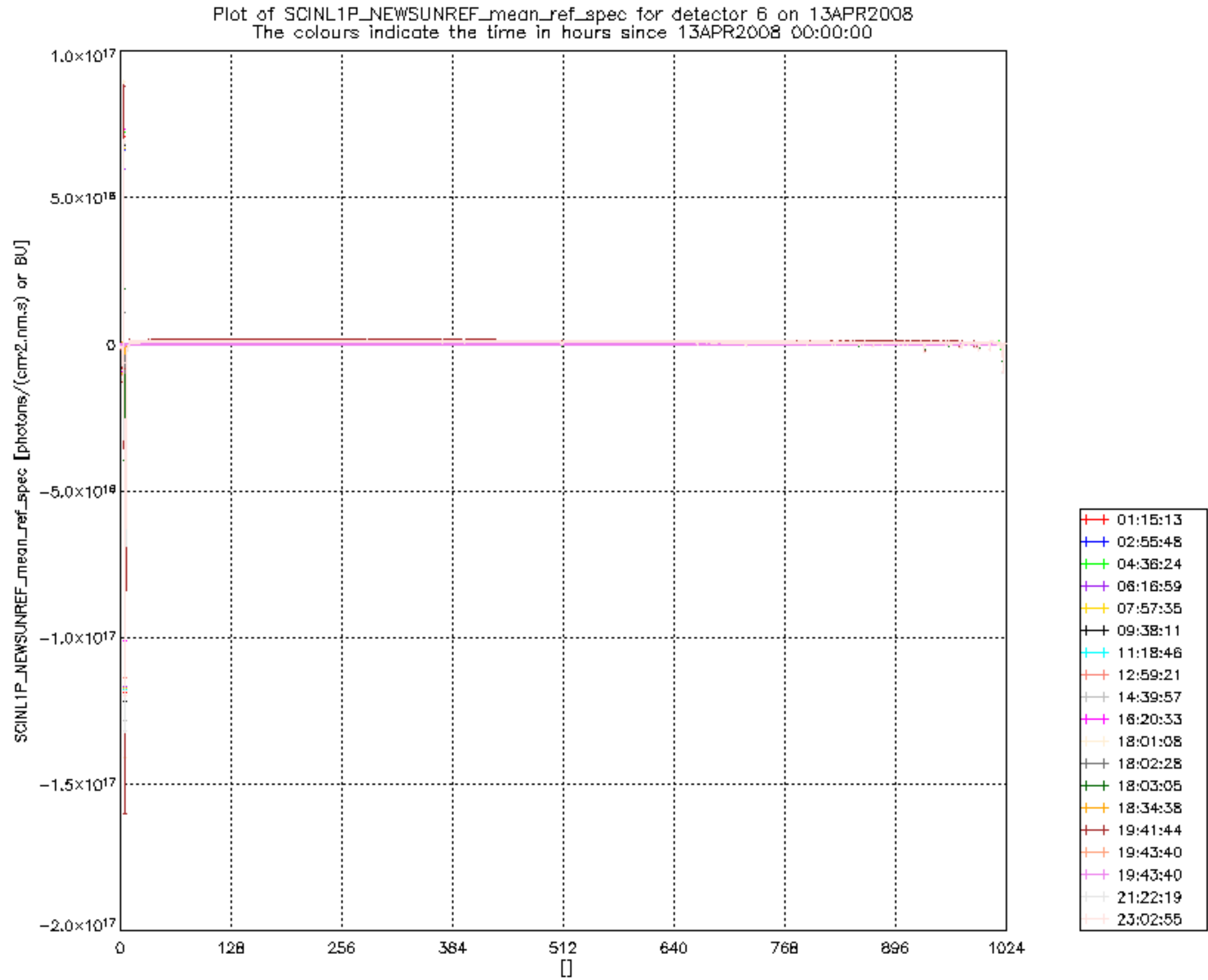


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 4 on 13APR2008
The colours indicate the time in hours since 13APR2008 00:00:00

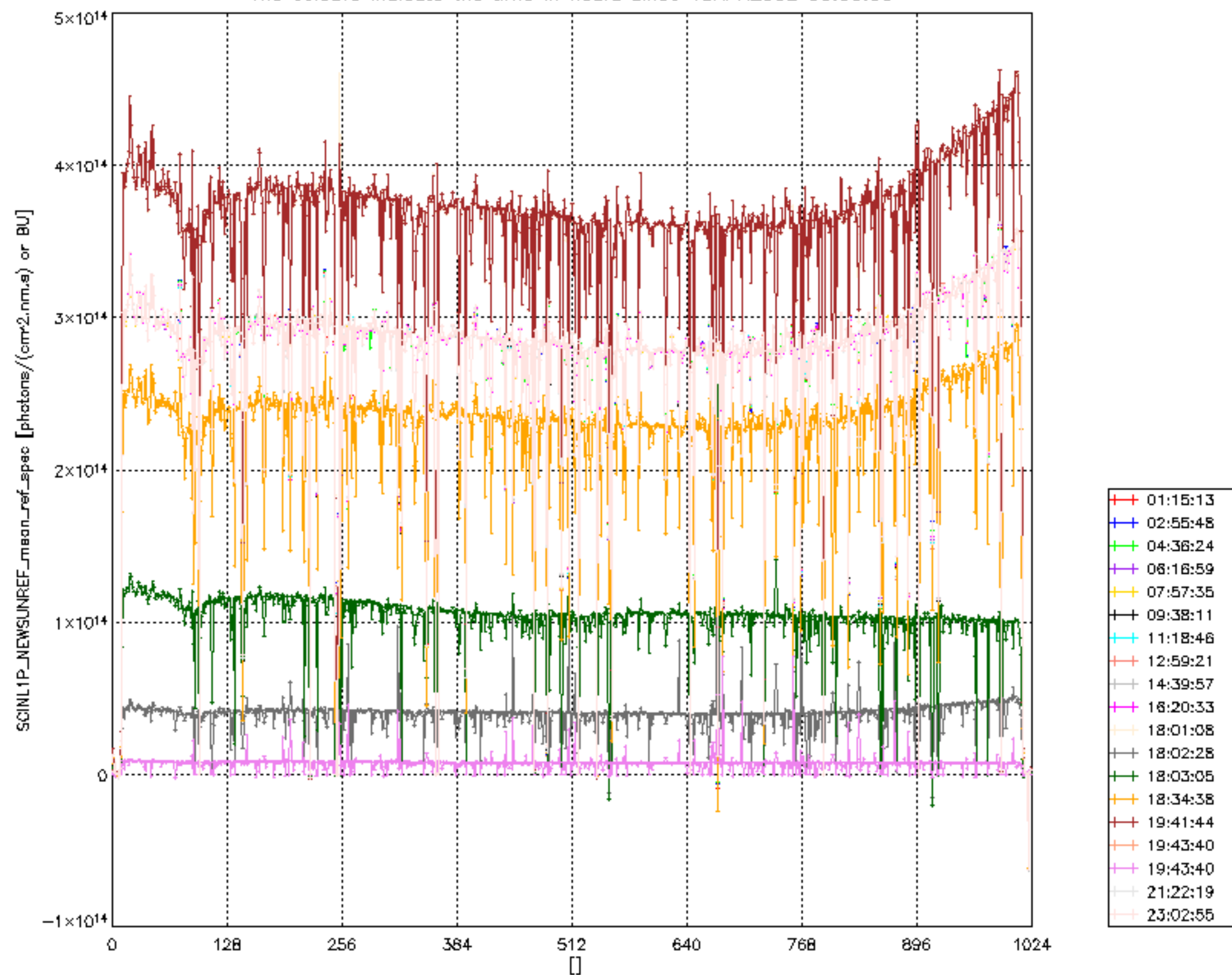


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 5 on 13APR2008
The colours indicate the time in hours since 13APR2008 00:00:00

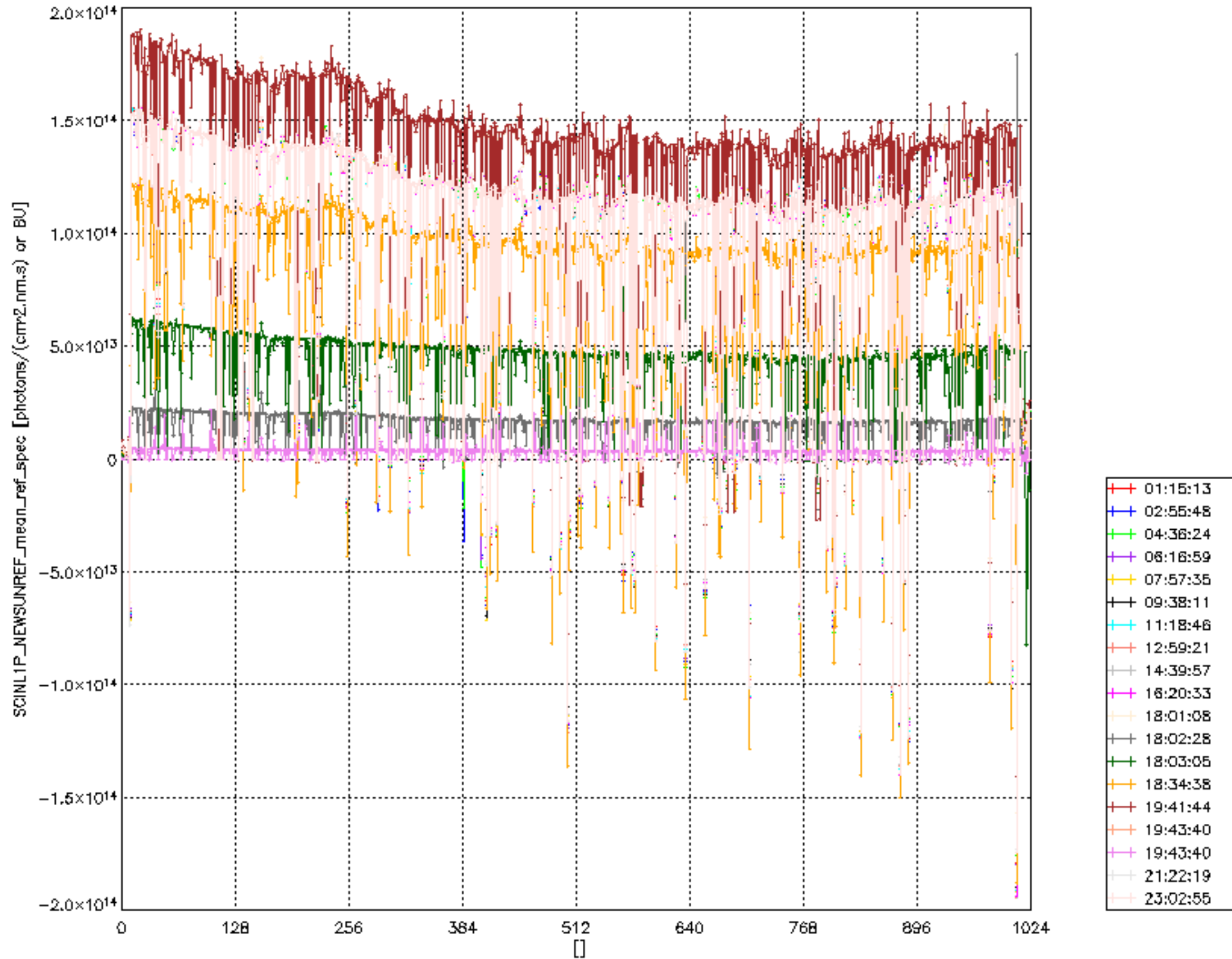




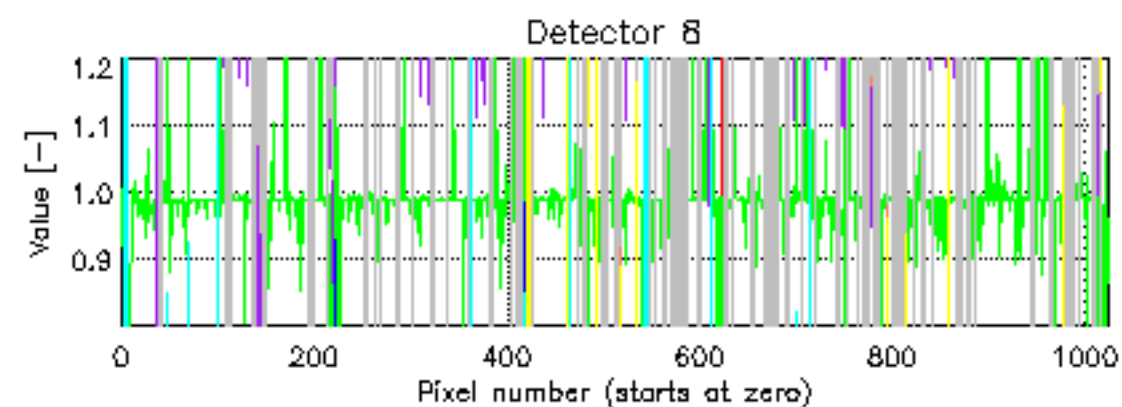
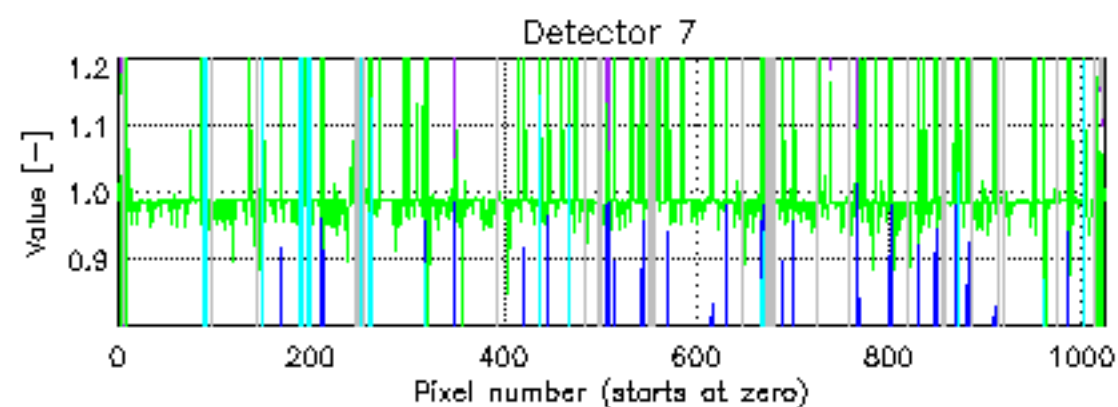
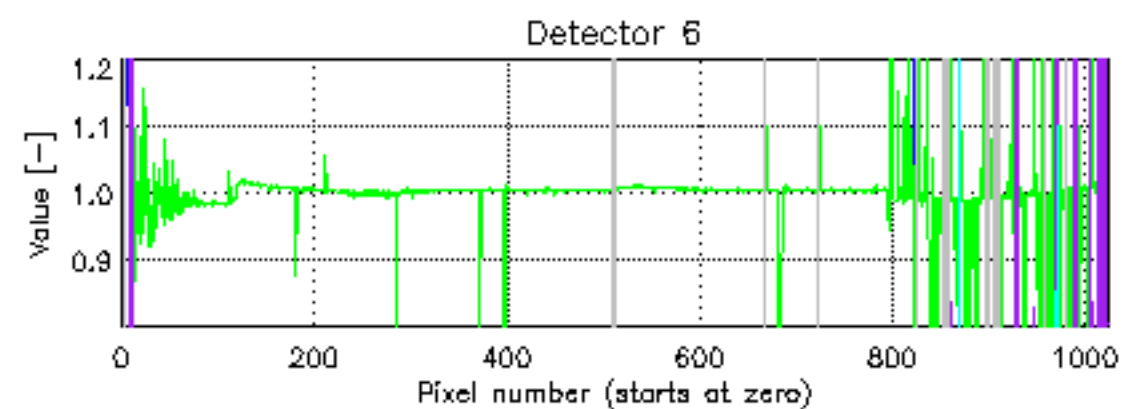
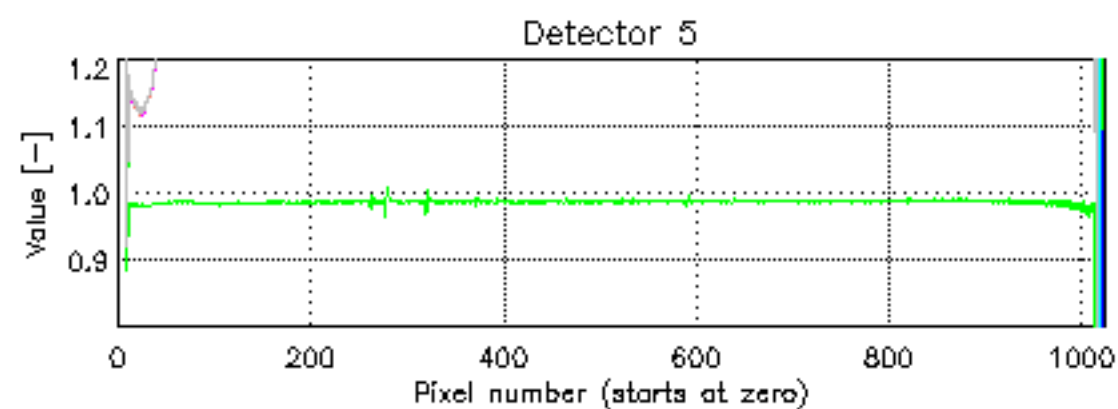
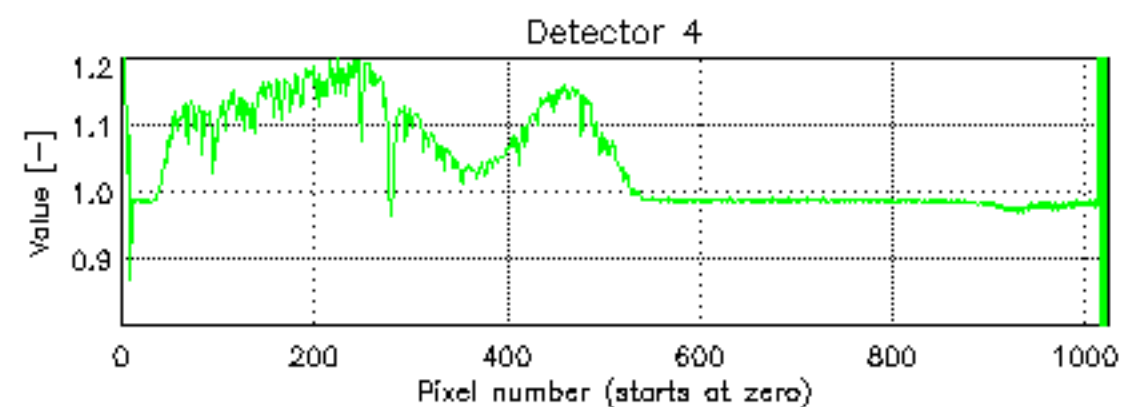
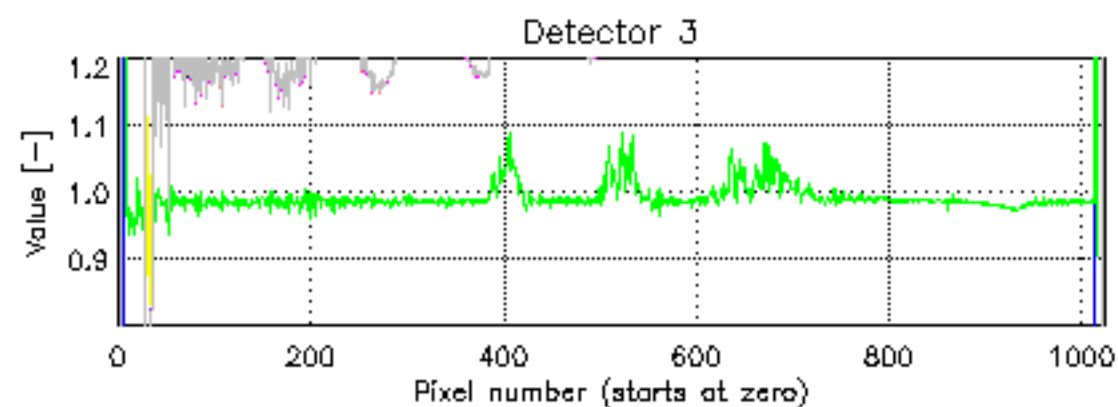
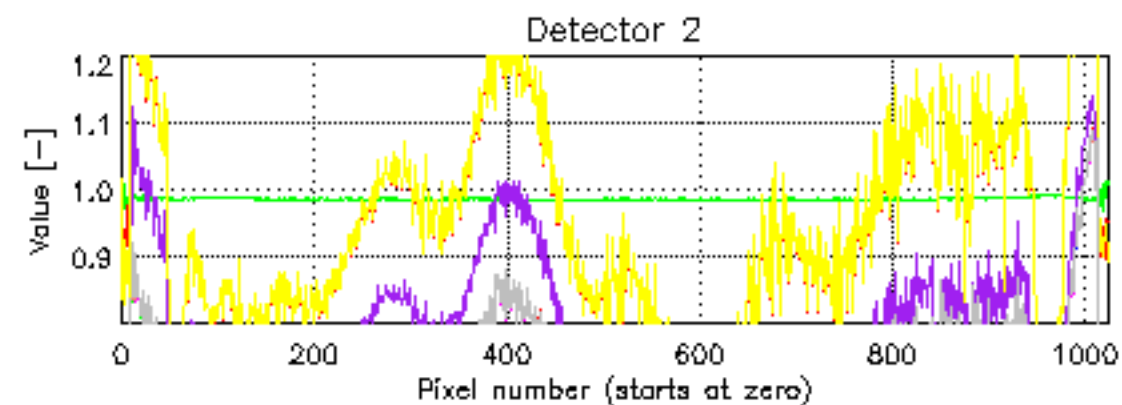
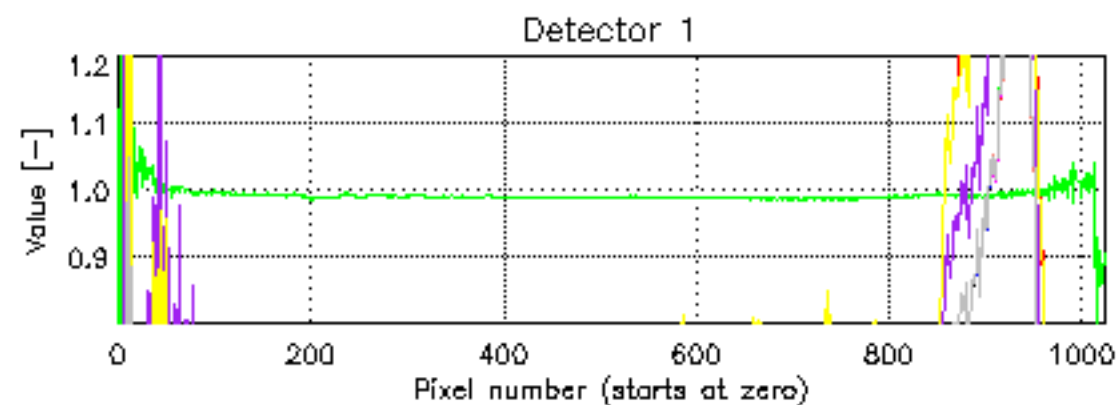
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 7 on 13APR2008
The colours indicate the time in hours since 13APR2008 00:00:00

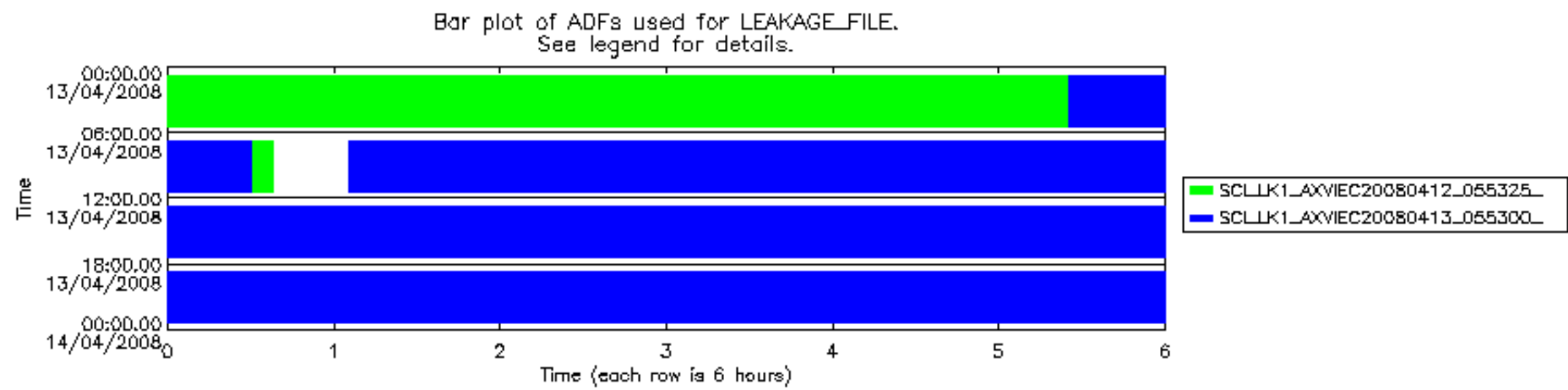


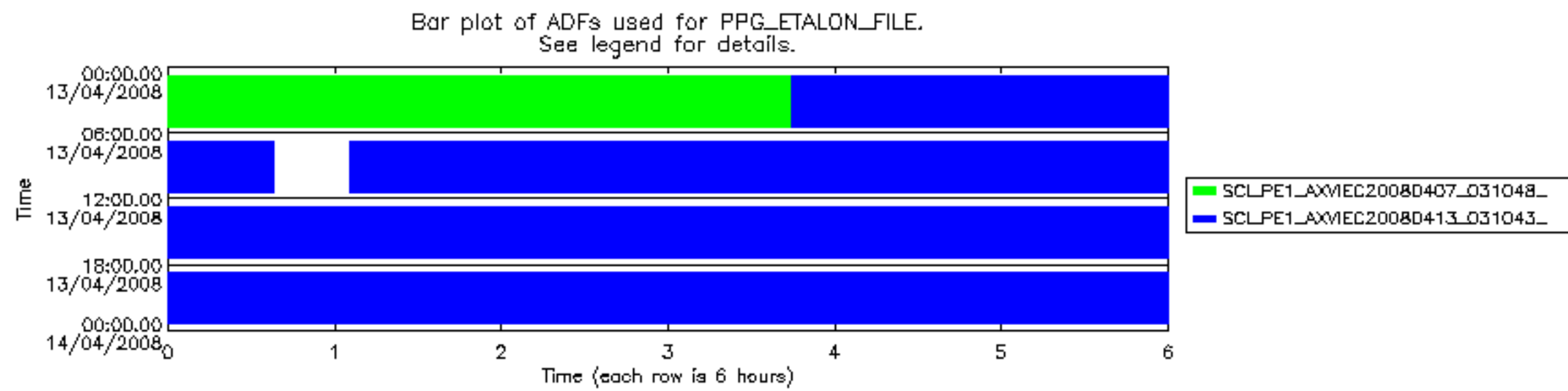
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector B on 13APR2008
The colours indicate the time in hours since 13APR2008 00:00:00

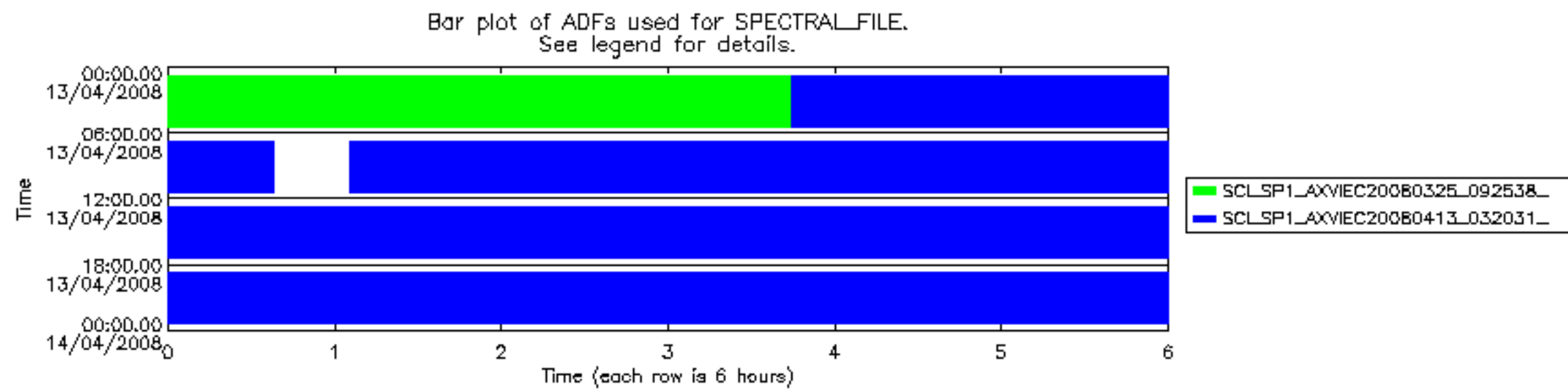


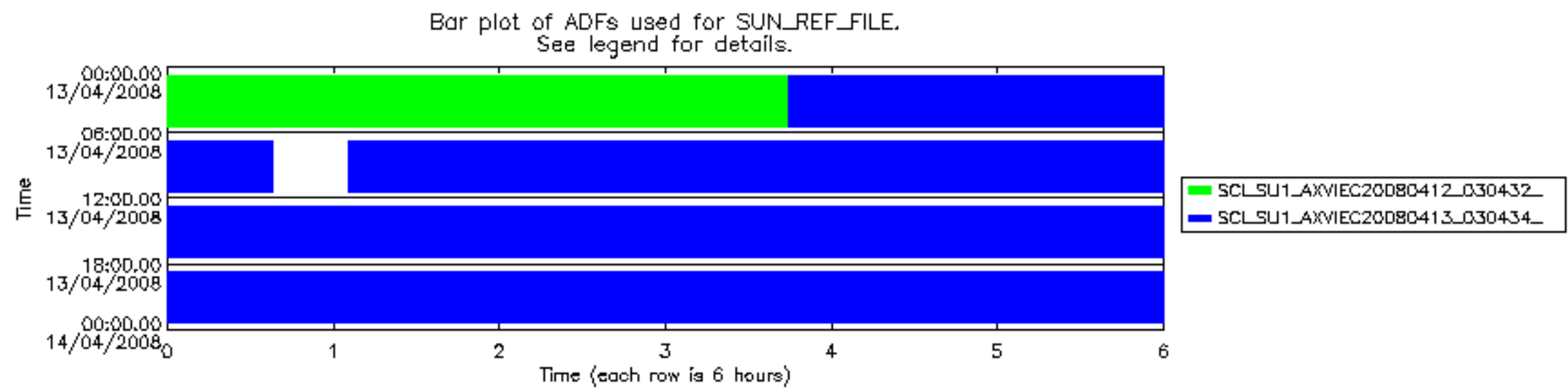
Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCLSU1_AXMEC20080412_030432_20080409_183032_20080424_201228

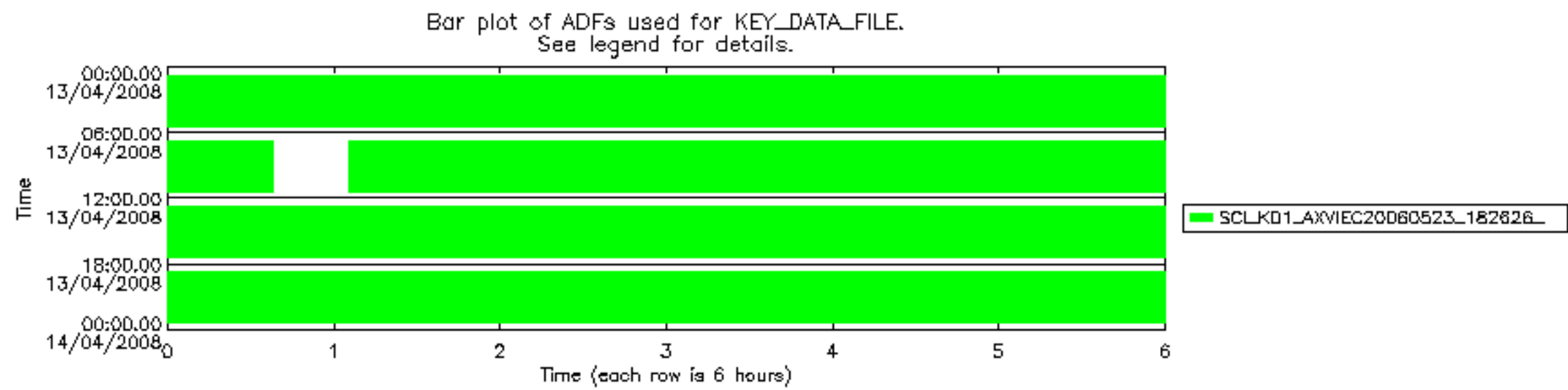


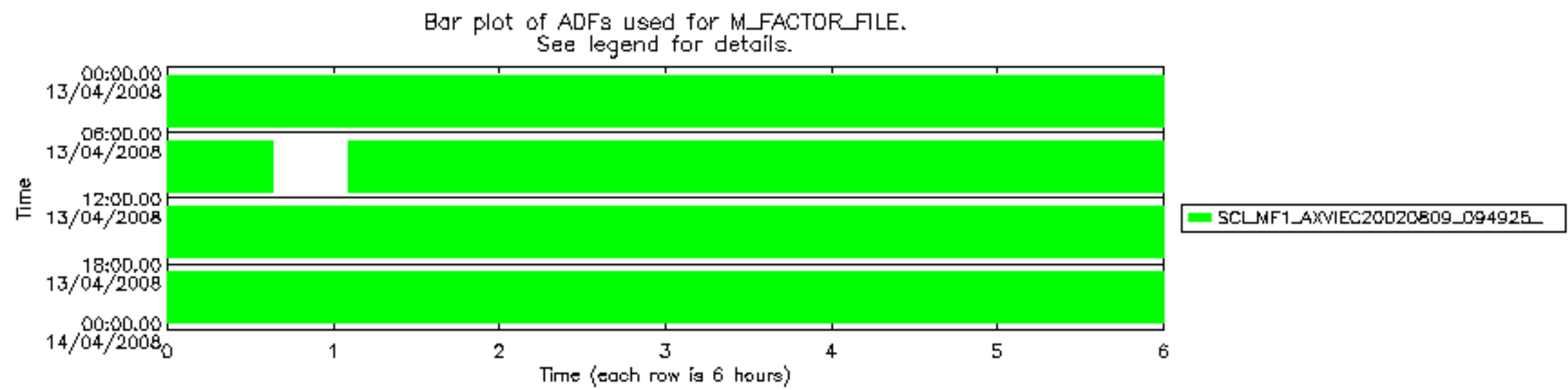


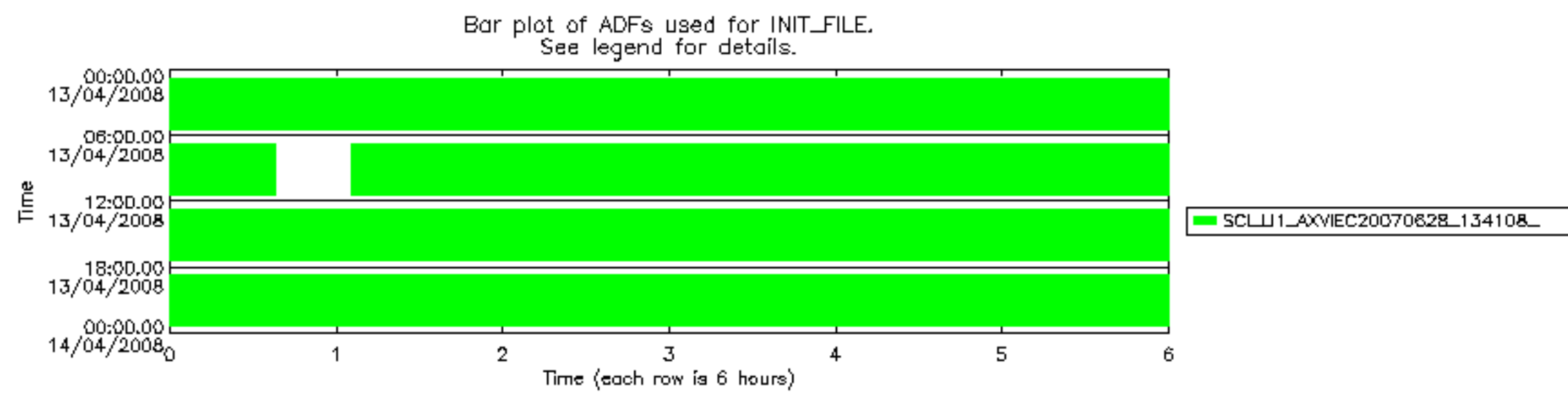


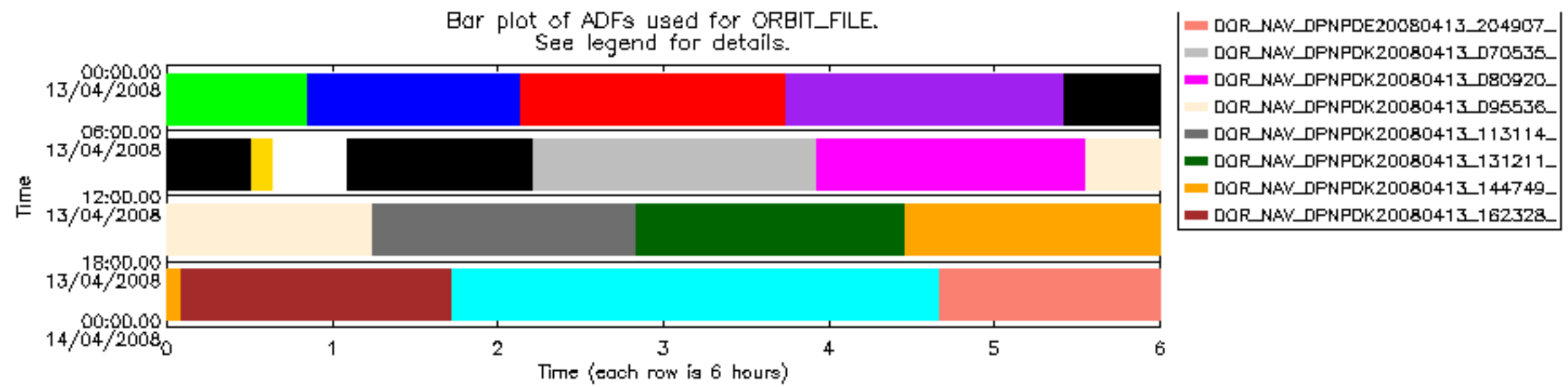












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 13APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

