

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	07APR2008 02:35:07
Data source version	SCIA/6.03-N
Processing scope for products	04APR2008 00:00:00 to 05APR2008 00:00:00
Start time of first product within scope	03APR2008 23:27:30
Stop time of last product within scope	05APR2008 00:42:32
Total number of level 1 products	16
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__1PNPDE20080403_232730_000064092067_00245_31862_9336.N1	03APR2008 23:27:30	04APR2008 01:14:19	0	35	46	1	0	4	15	0
1	SCI_NL__1PNPDE20080404_011009_000063482067_00246_31863_9441.N1	04APR2008 01:10:09	04APR2008 02:55:58	0	35	47	1	0	3	15	0
2	SCI_NL__1PNPDE20080404_025141_000063932067_00247_31864_9655.N1	04APR2008 02:51:41	04APR2008 04:38:14	0	35	46	1	0	4	15	0
3	SCI_NL__1PNPDE20080404_043325_000062022067_00248_31865_9768.N1	04APR2008 04:33:25	04APR2008 06:16:47	0	35	46	1	0	3	15	0
4	SCI_NL__1PNPDK20080404_061605_000026462067_00249_31866_3665.N1	04APR2008 06:16:05	04APR2008 07:00:12	0	22	18	0	0	3	0	0
5	SCI_NL__1PNPDK20080404_070003_000035512067_00249_31866_3688.N1	04APR2008 07:00:03	04APR2008 07:59:15	0	11	28	1	0	3	15	0
6	SCI_NL__1PNPDK20080404_075749_000060872067_00250_31867_3979.N1	04APR2008 07:57:49	04APR2008 09:39:17	0	35	45	1	0	2	15	0
7	SCI_NL__1PNPDK20080404_093812_000060442067_00251_31868_4206.N1	04APR2008 09:38:12	04APR2008 11:18:56	0	34	45	1	0	2	15	0
8	SCI_NL__1PNPDK20080404_111751_000059892067_00252_31869_4331.N1	04APR2008 11:17:51	04APR2008 12:57:41	0	33	45	1	0	3	15	0
9	SCI_NL__1PNPDK20080404_125622_000060032067_00253_31870_4639.N1	04APR2008 12:56:22	04APR2008 14:36:26	0	34	44	1	0	3	15	0
10	SCI_NL__1PNPDK20080404_143453_000058142067_00254_31871_7504.N1	04APR2008 14:34:53	04APR2008 16:11:48	0	32	43	1	0	3	15	0
11	SCI_NL__1PNPDK20080404_161012_000060482067_00255_31872_4817.N1	04APR2008 16:10:12	04APR2008 17:51:00	0	33	45	2	1	3	15	0
12	SCI_NL__1PNPDK20080404_174916_000060732067_00256_31873_4950.N1	04APR2008 17:49:16	04APR2008 19:30:30	0	35	44	1	2	3	15	0
13	SCI_NL__1PNPDK20080404_192856_000061172067_00257_31874_5224.N1	04APR2008 19:28:56	04APR2008 21:10:54	0	34	46	1	0	3	15	0
14	SCI_NL__1PNPDK20080404_210911_000063782067_00258_31875_5232.N1	04APR2008 21:09:11	04APR2008 22:55:29	0	36	48	1	0	3	15	0
15	SCI_NL__1PNPDE20080404_225342_000065292067_00259_31876_9866.N1	04APR2008 22:53:42	05APR2008 00:42:32	0	36	47	1	0	3	15	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:

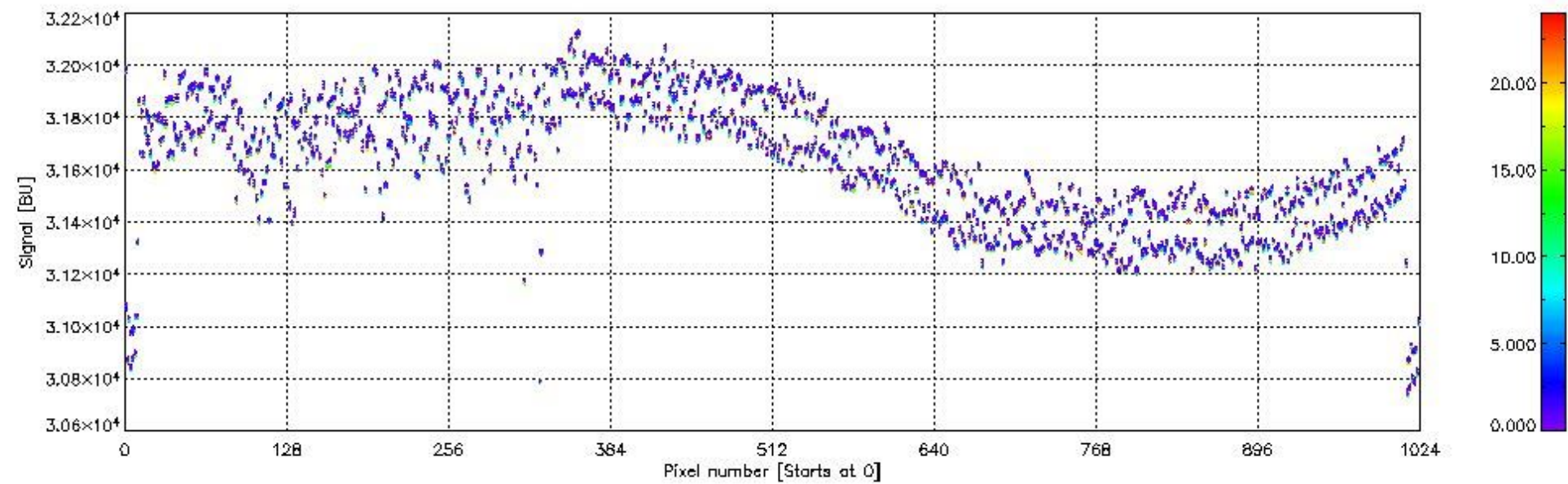
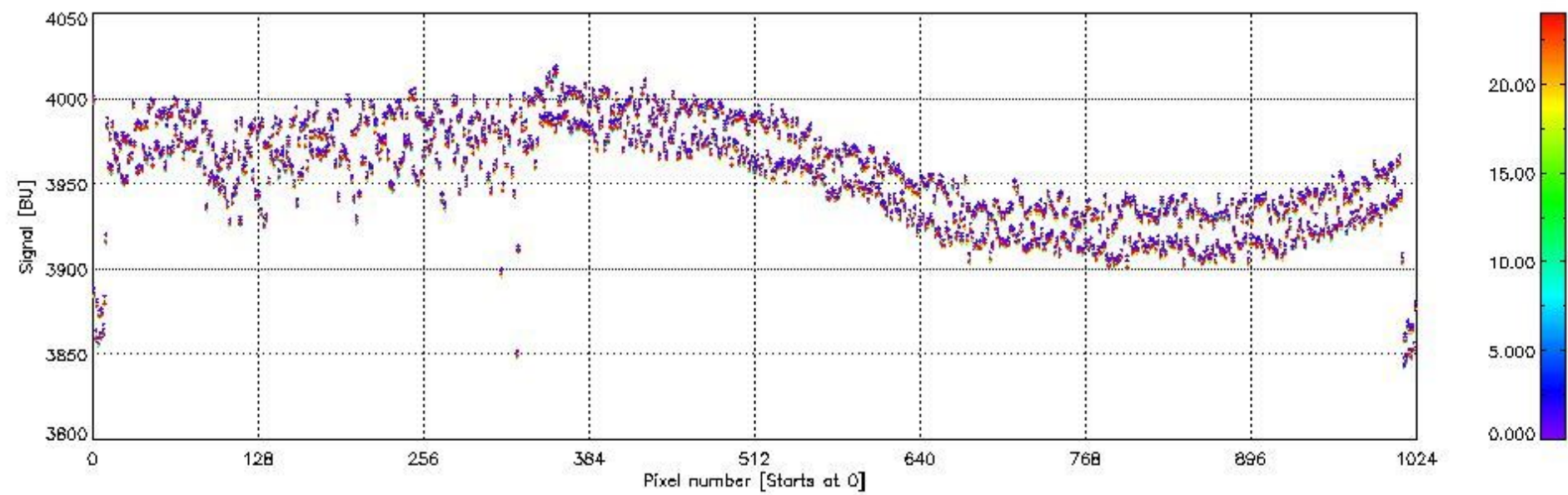
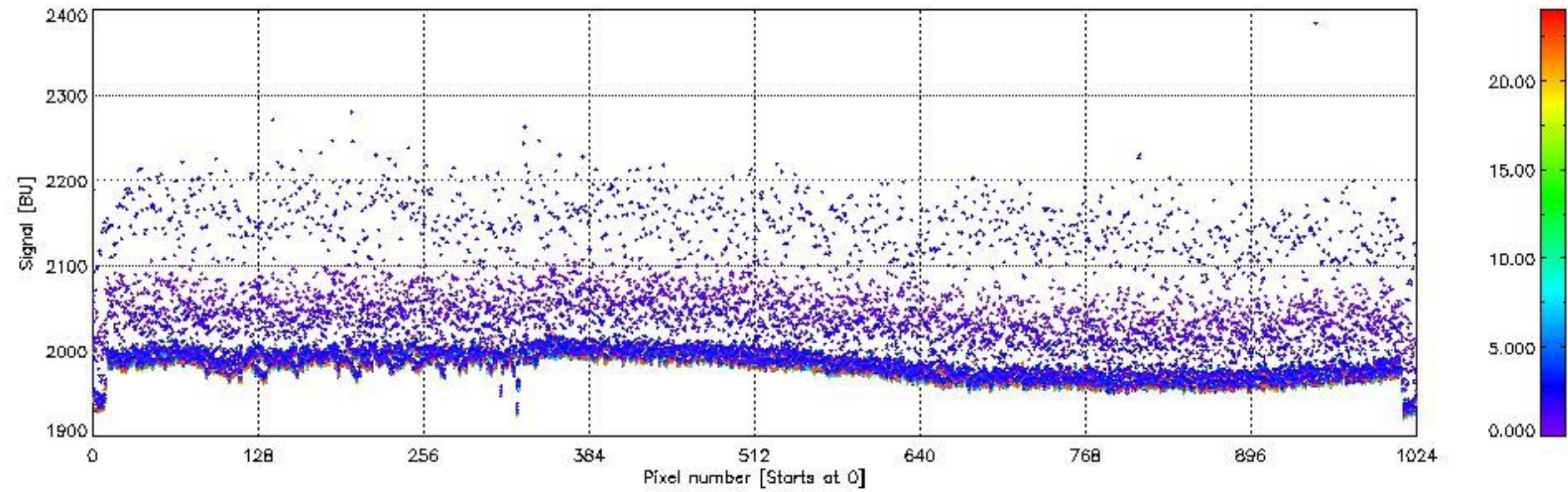
- Dark measurements (if available)
- New leakage current parameters (if available)
- New spectral calibration parameters (if available)

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

1.2.1 Dark measurements overview

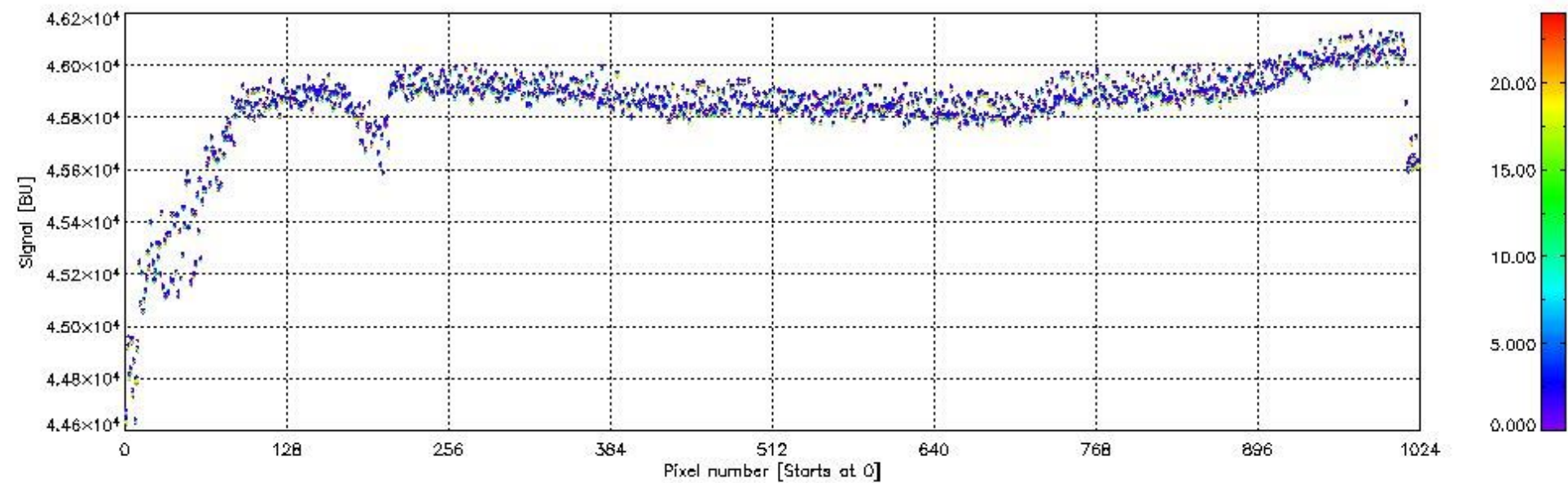
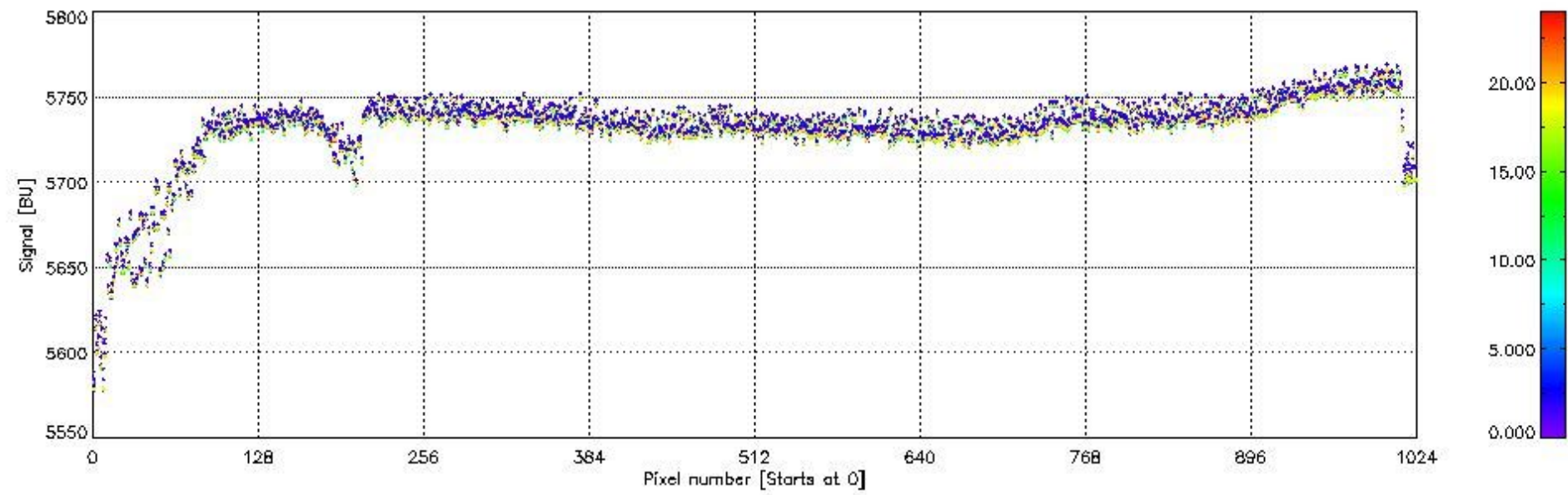
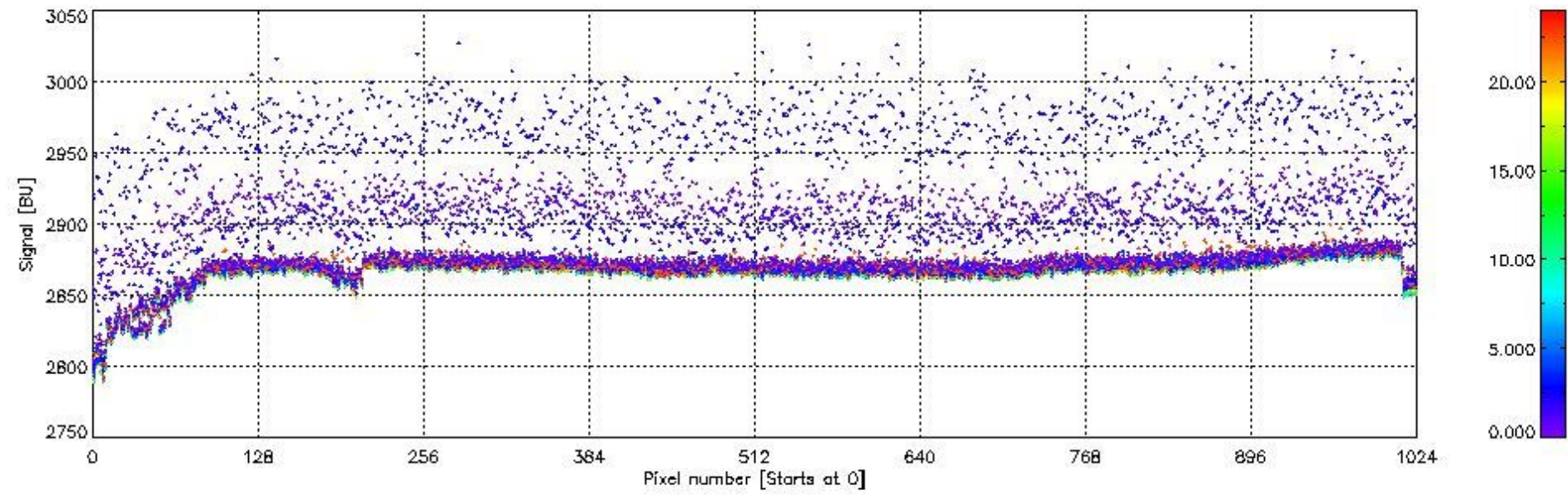
This section lists properties of the dark measurements performed within the processing scope.

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



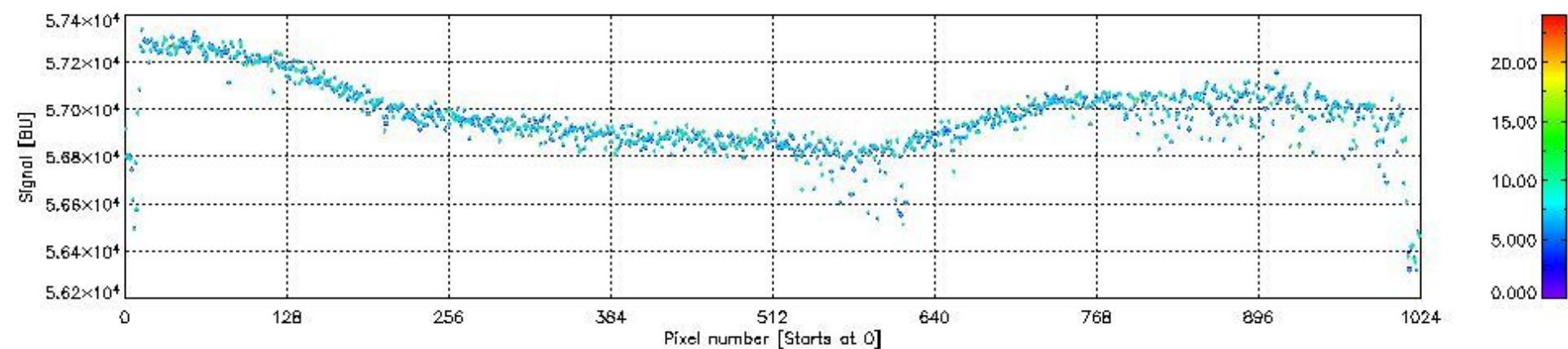
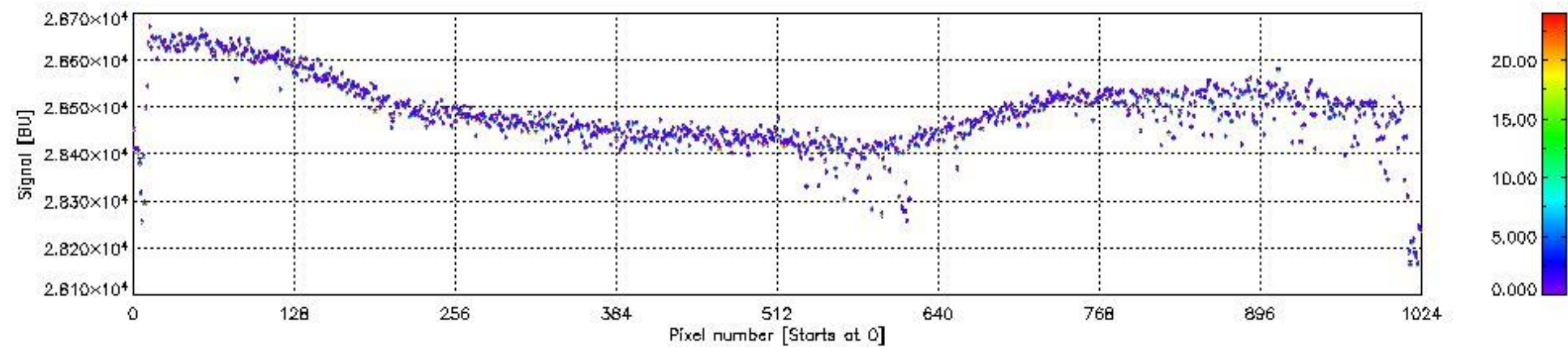
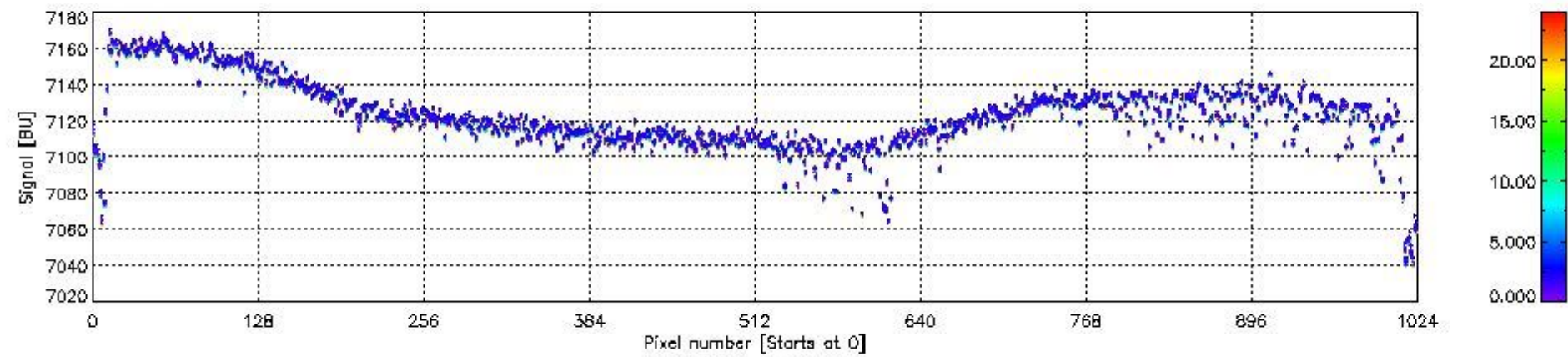
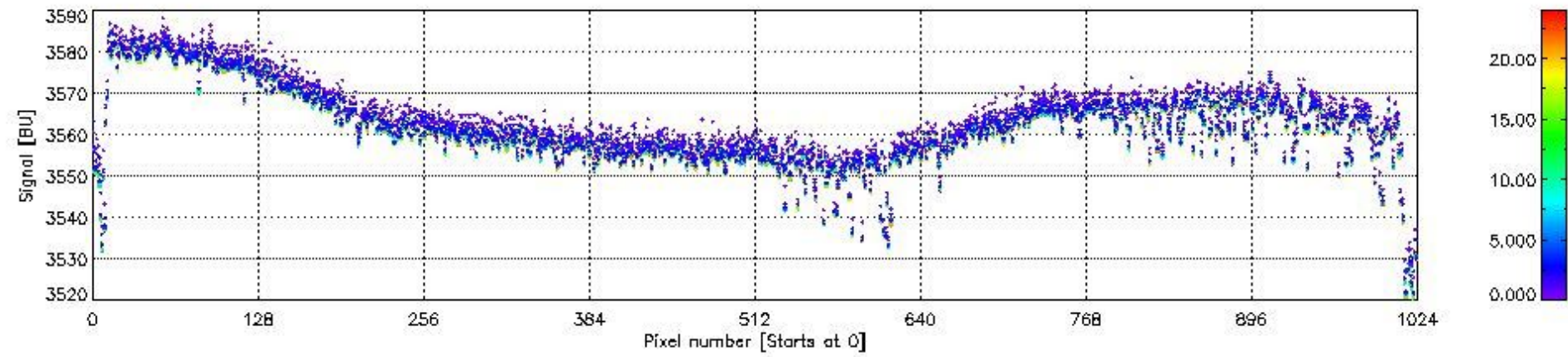
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_0.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



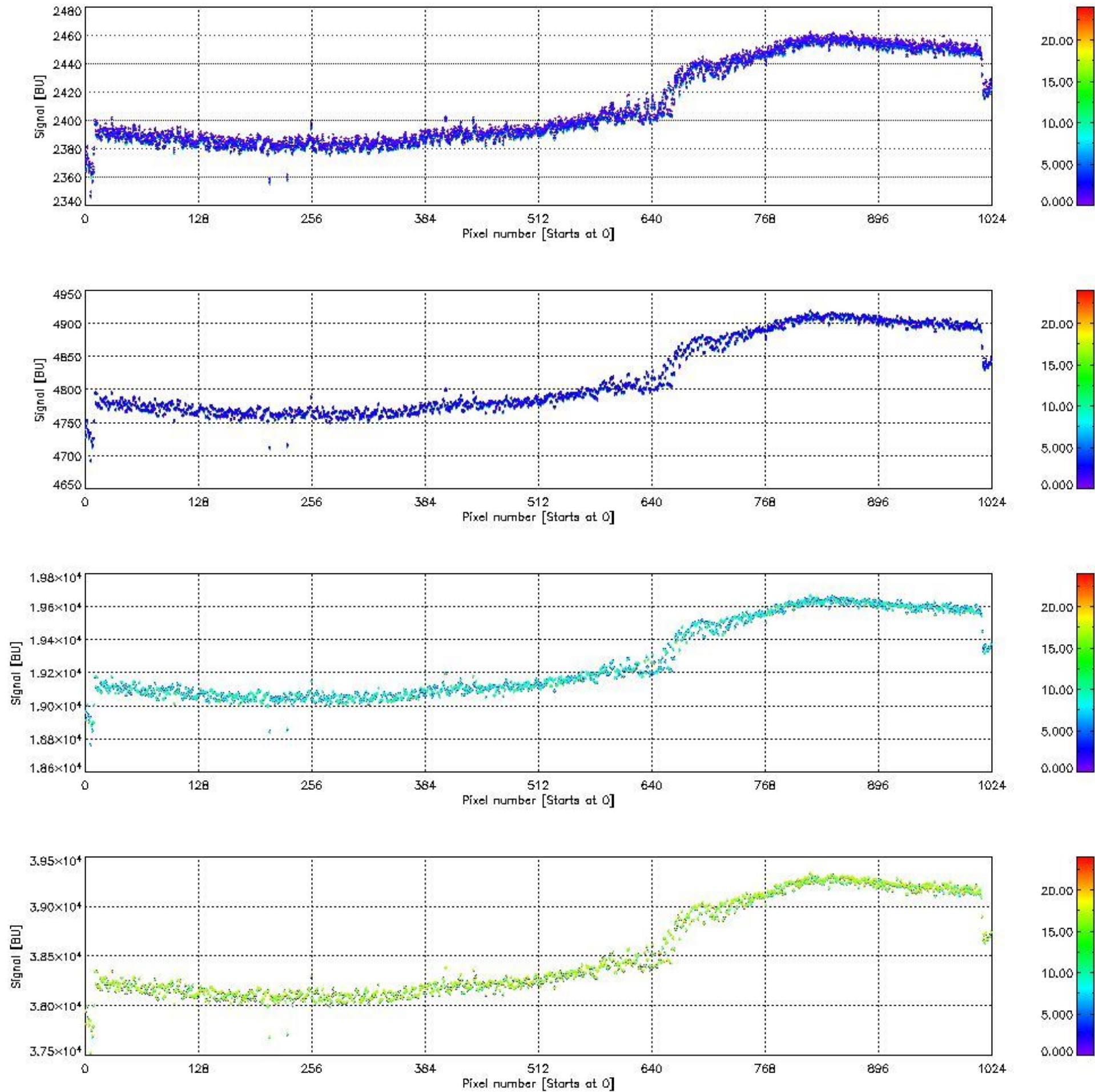
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_1.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



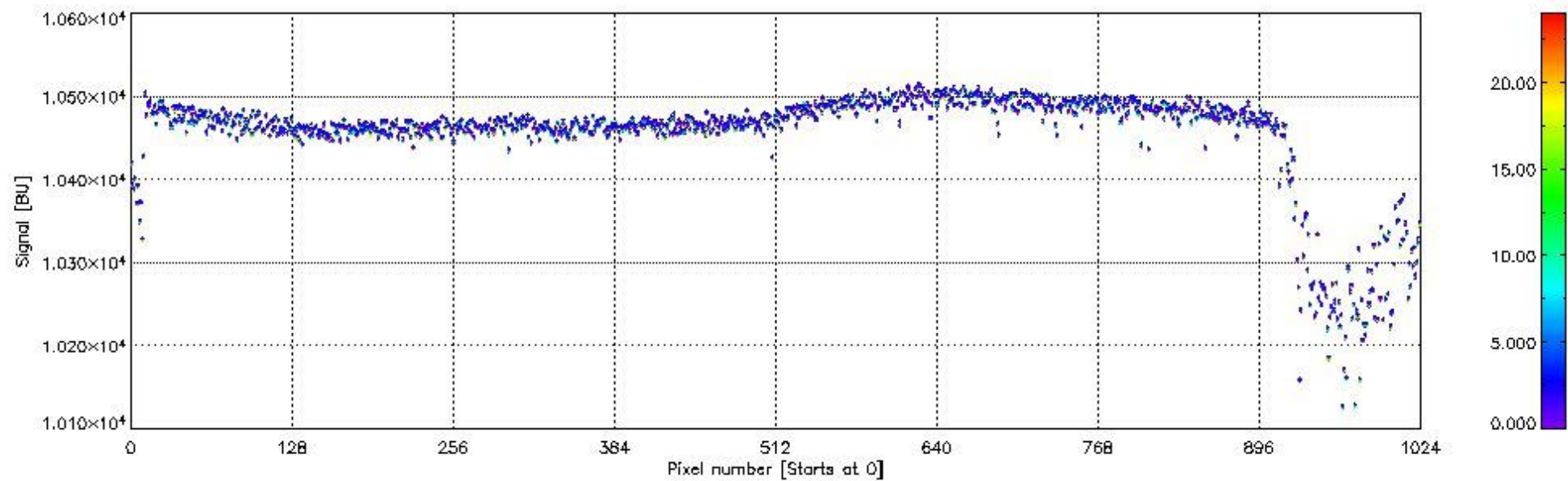
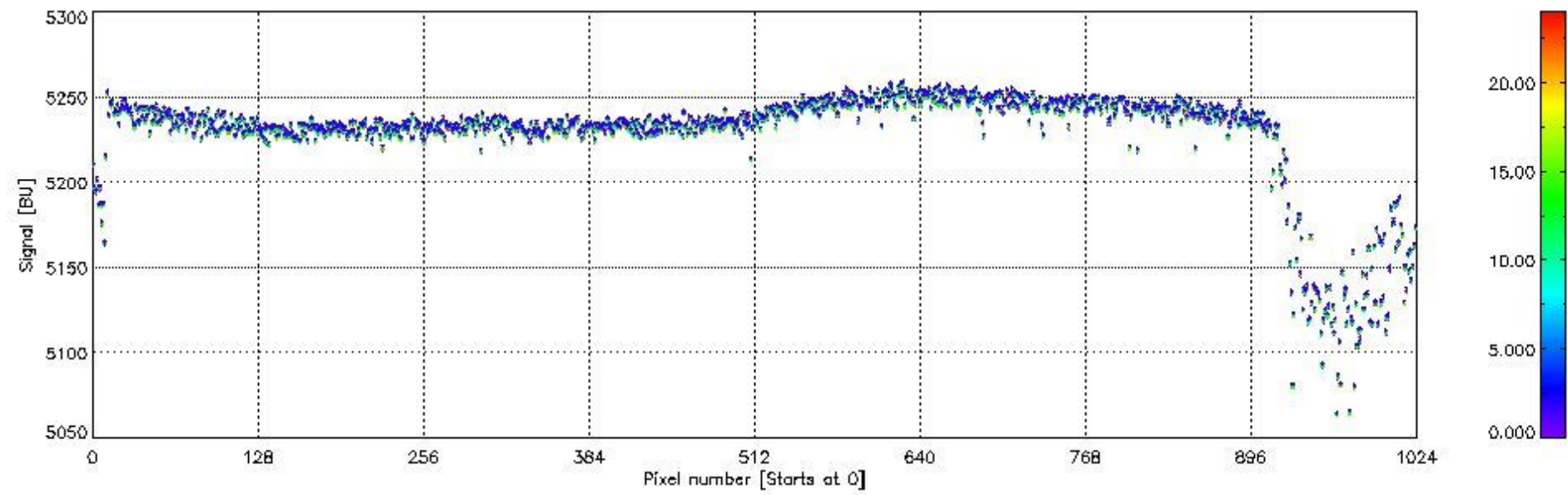
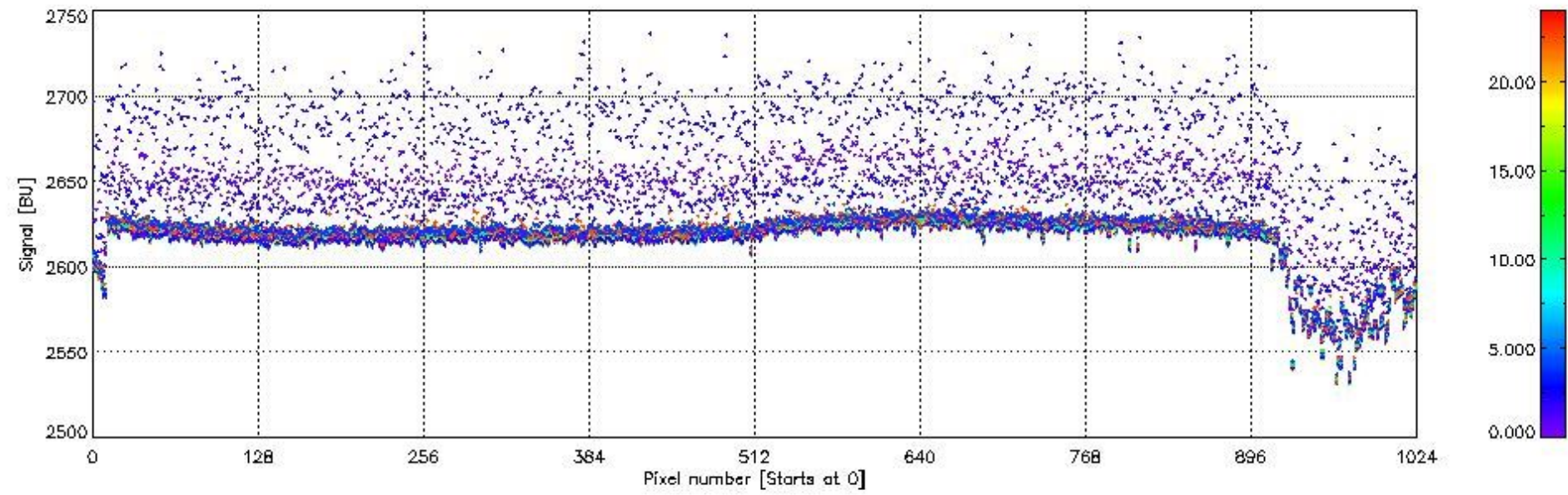
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_2.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



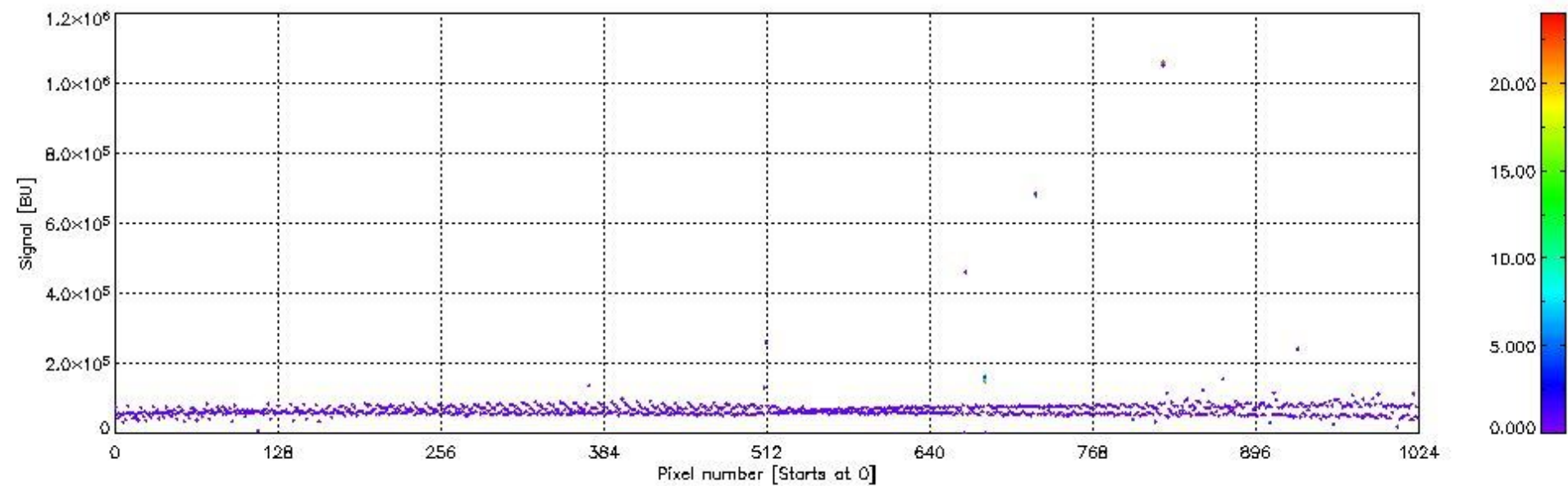
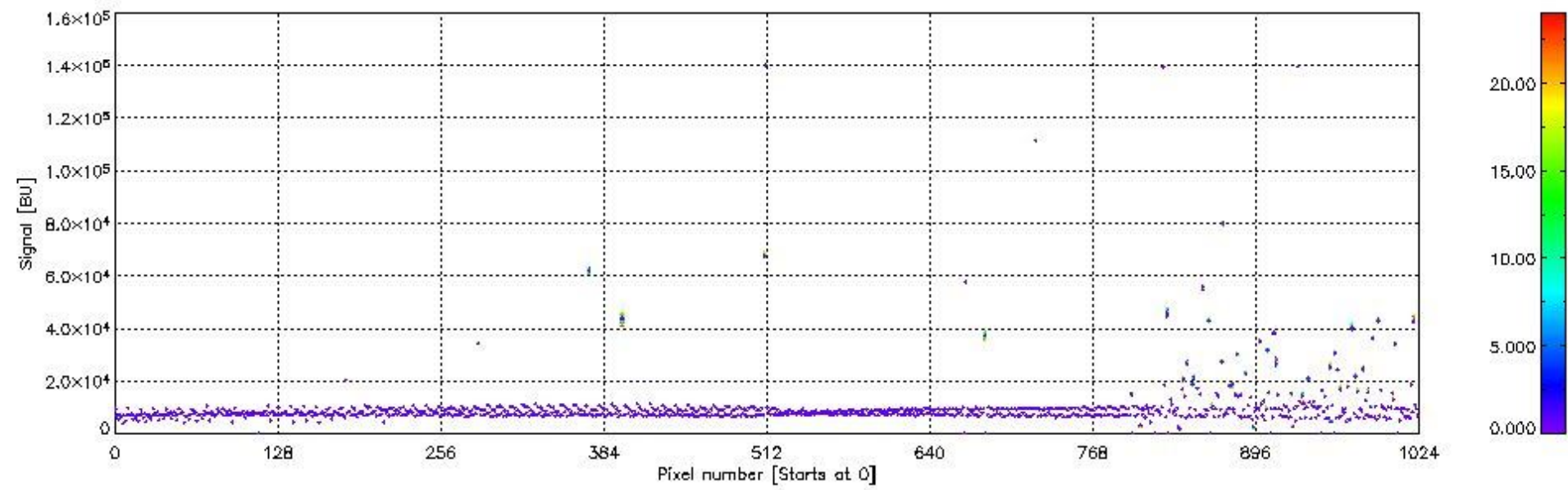
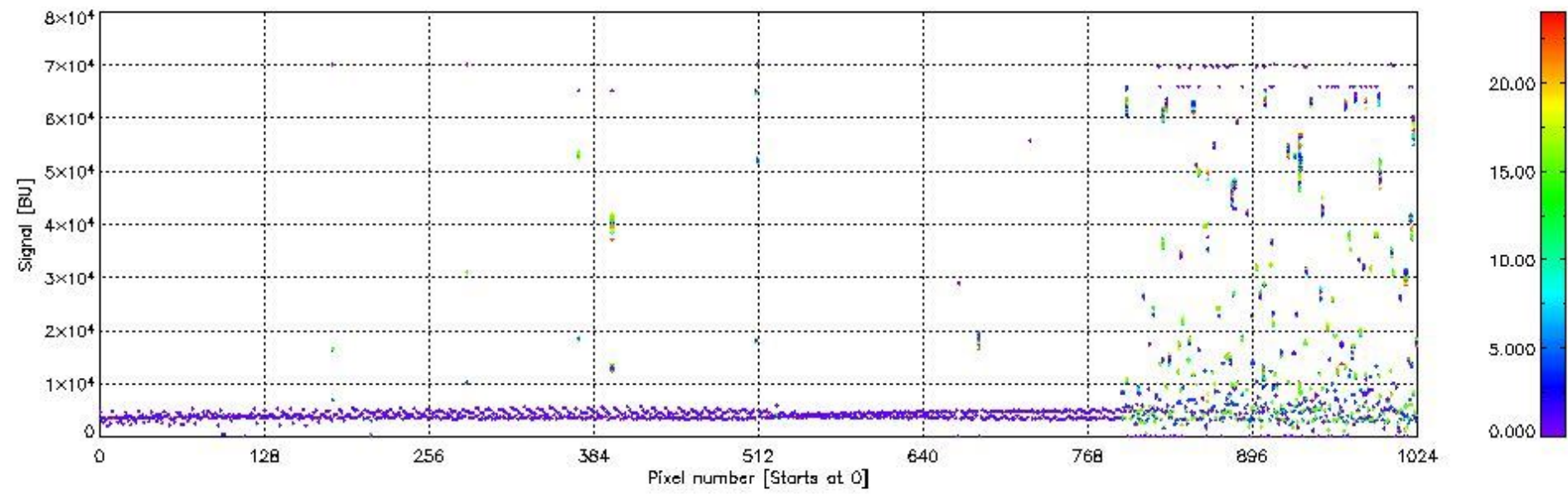
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_3.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



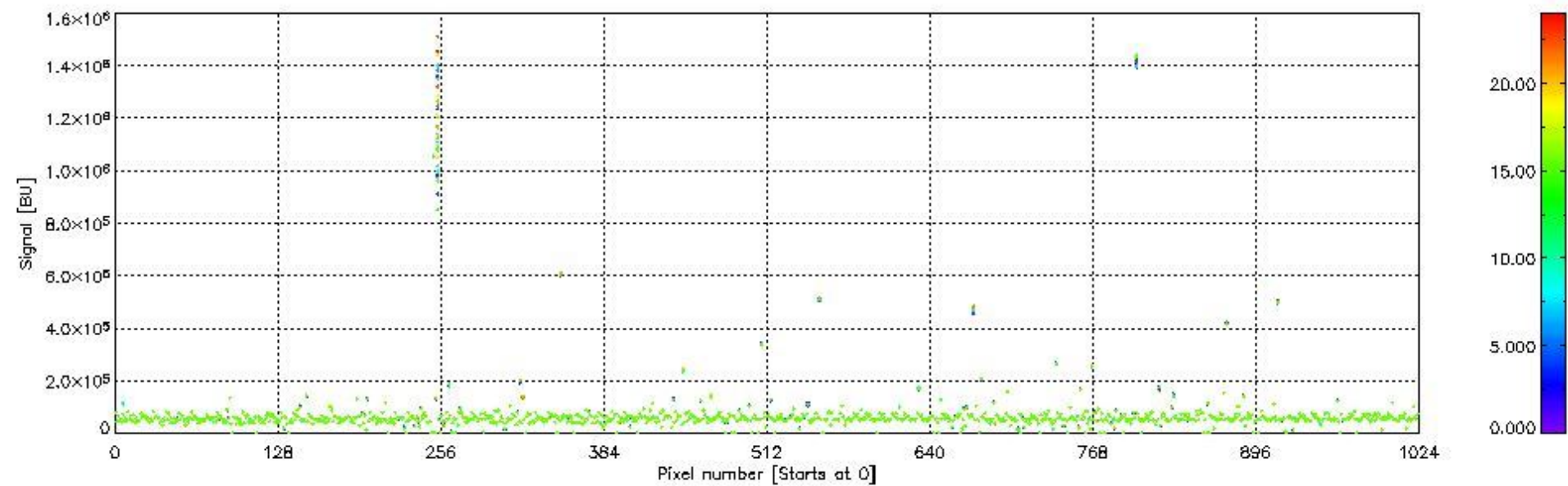
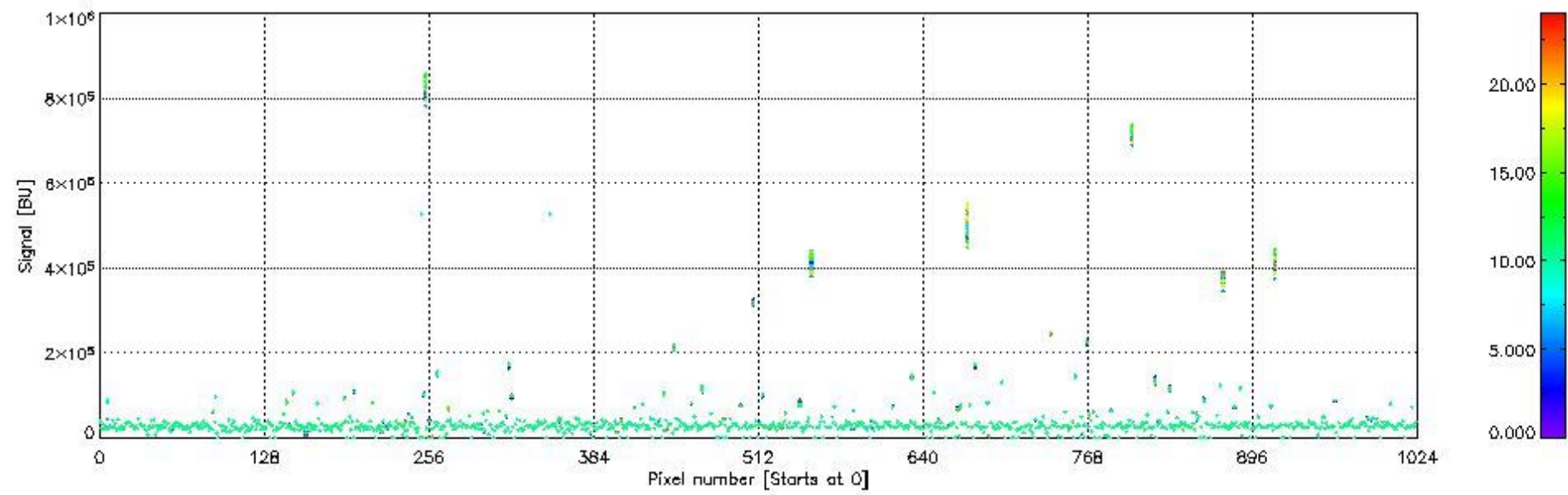
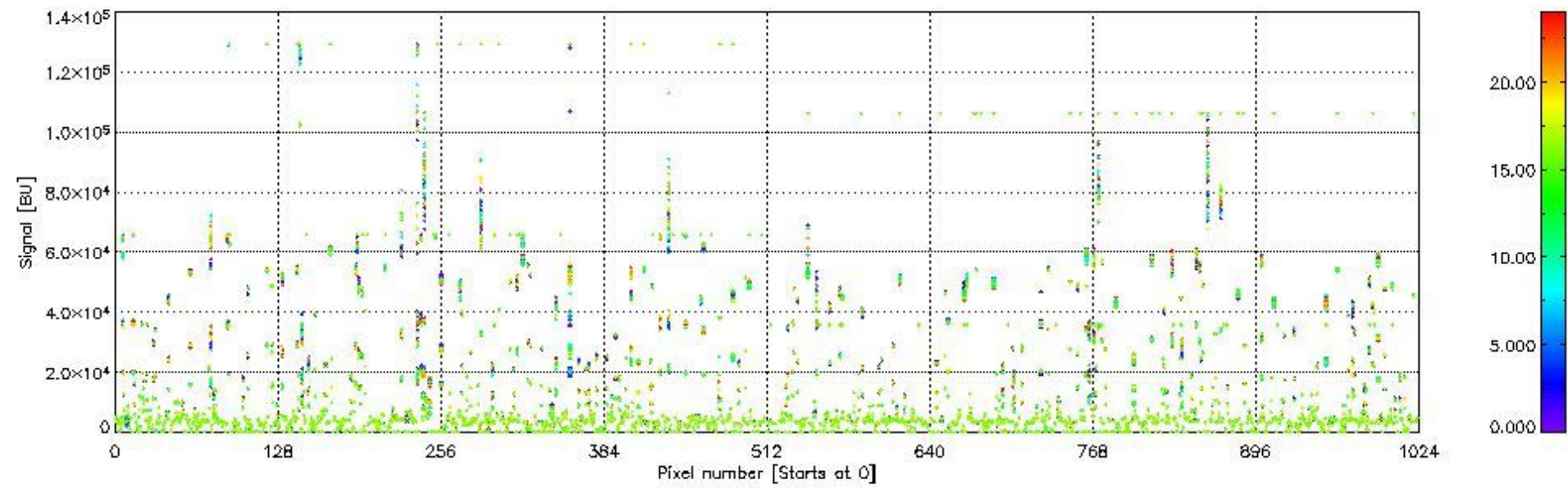
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_4.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



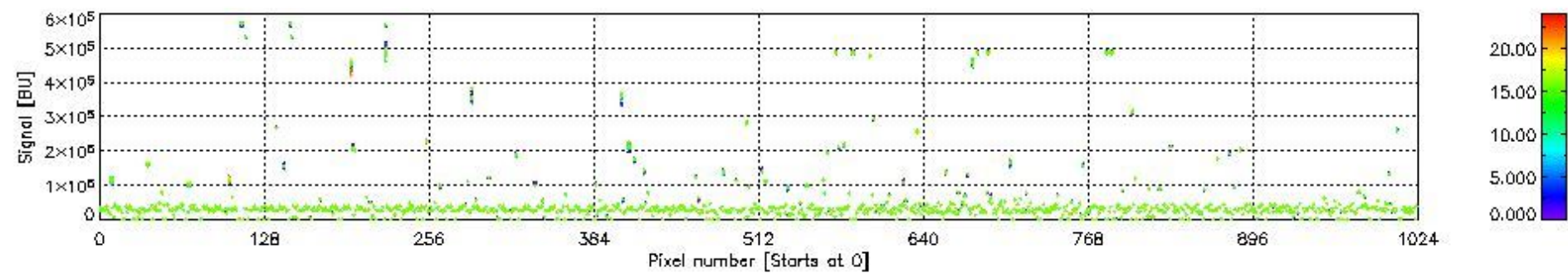
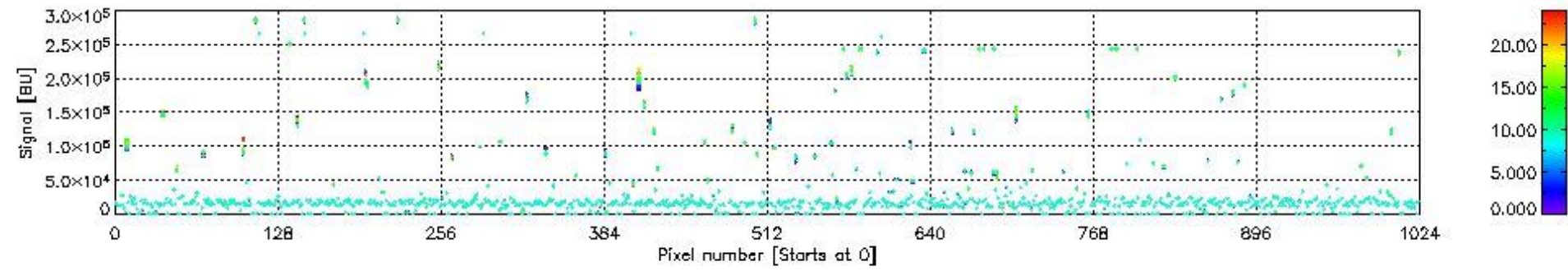
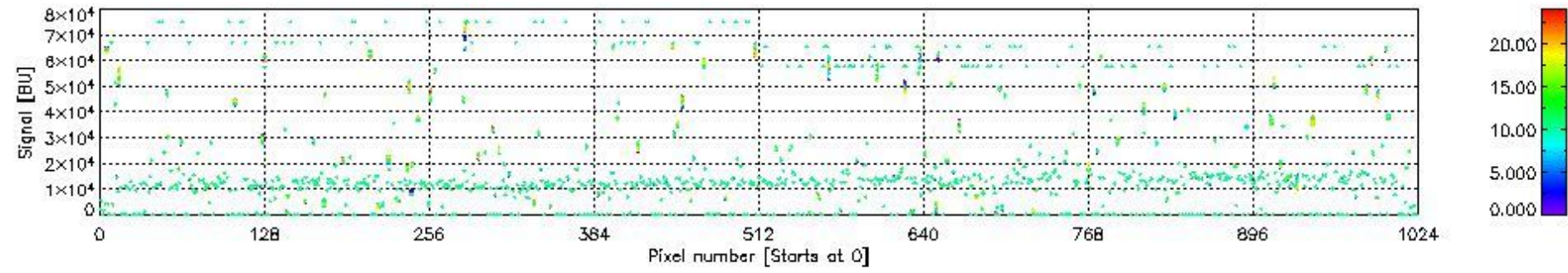
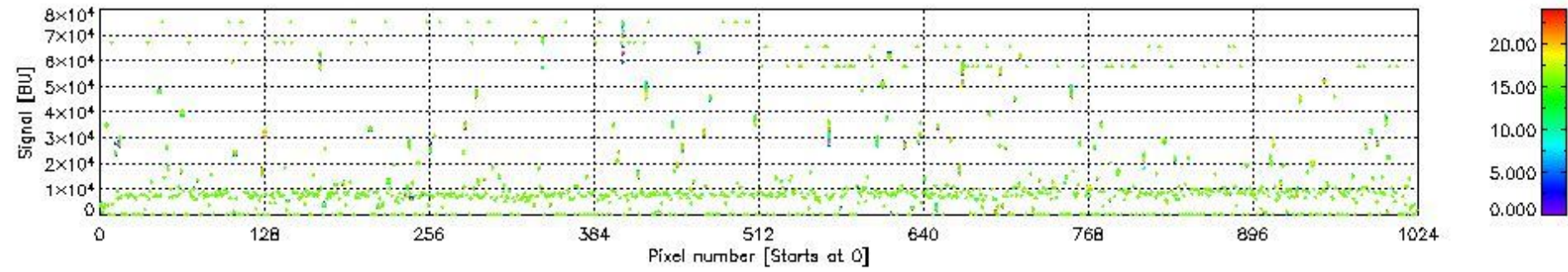
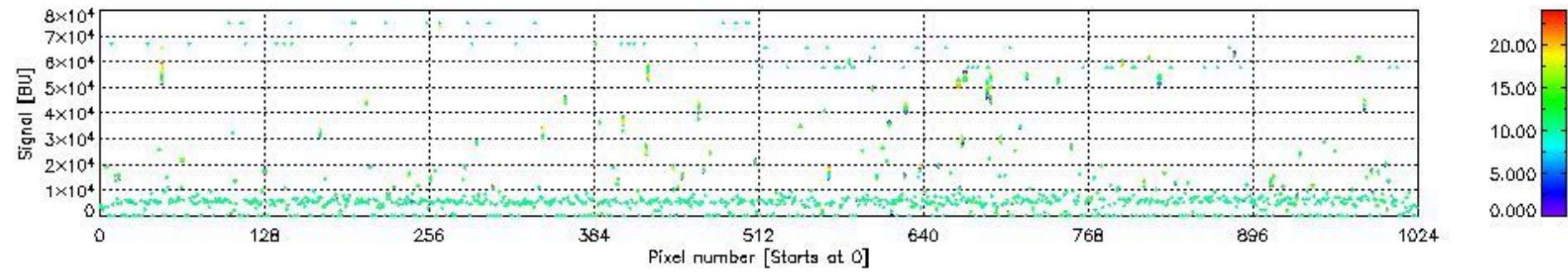
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_5.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



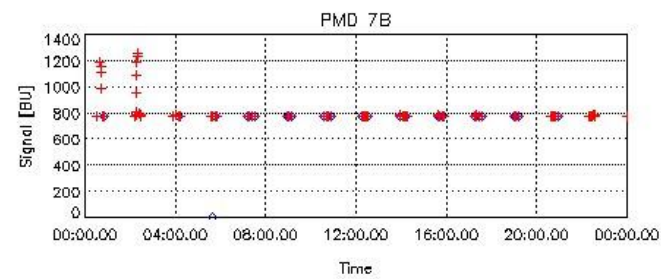
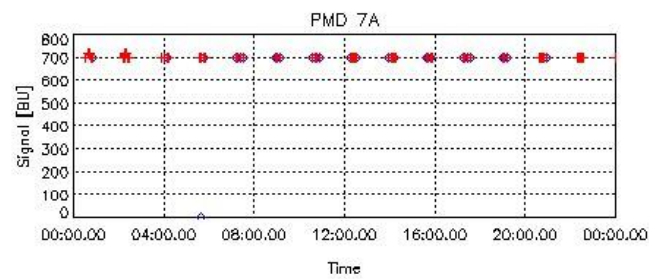
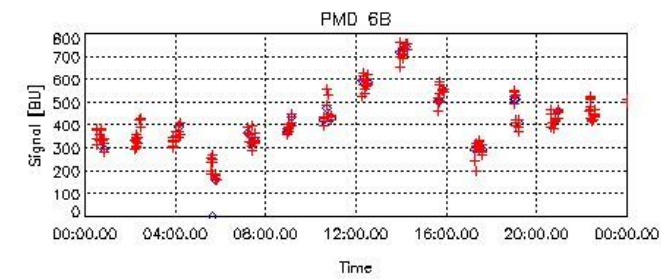
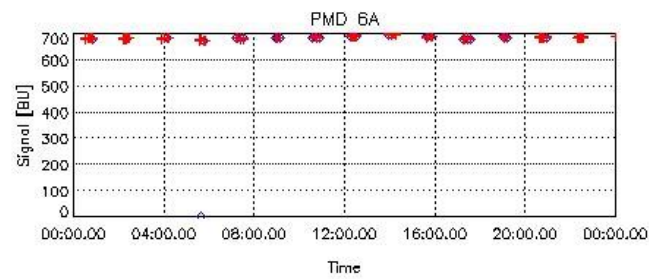
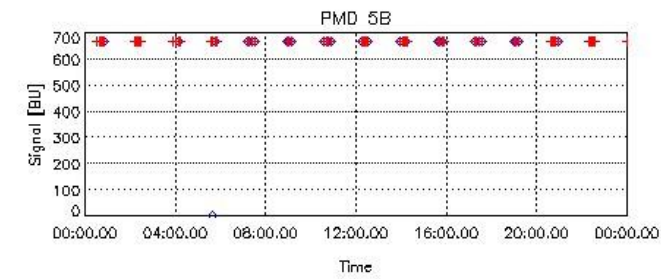
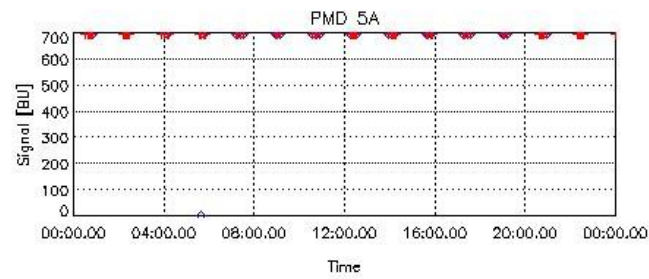
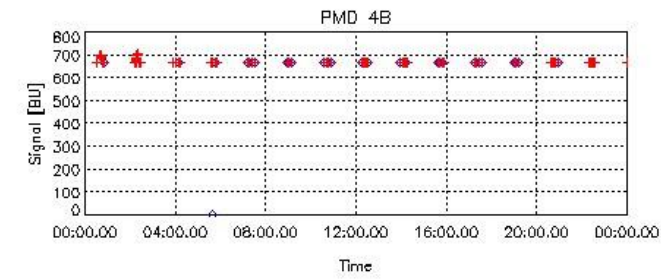
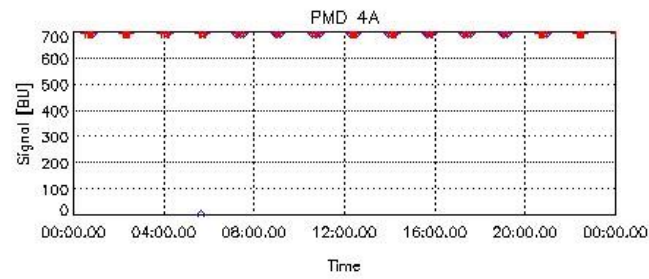
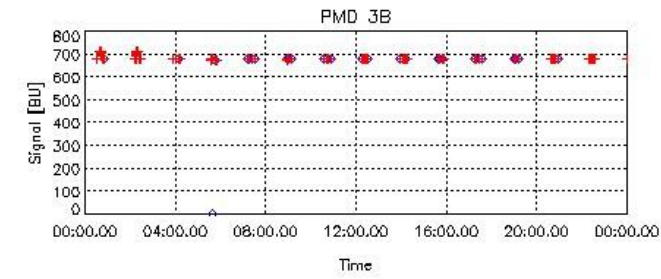
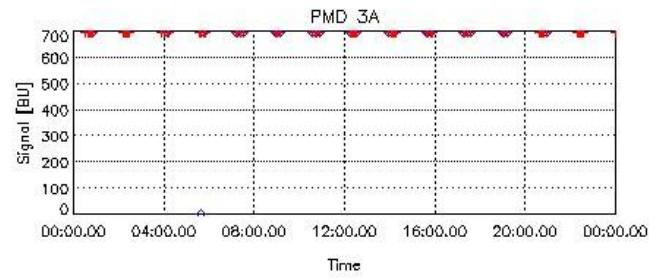
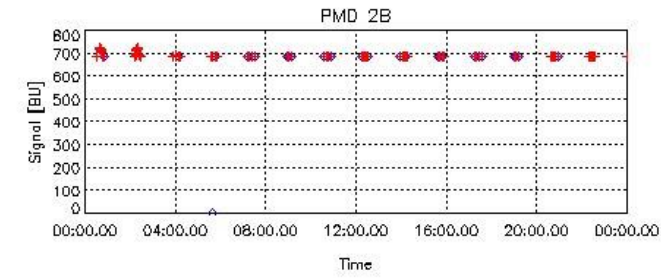
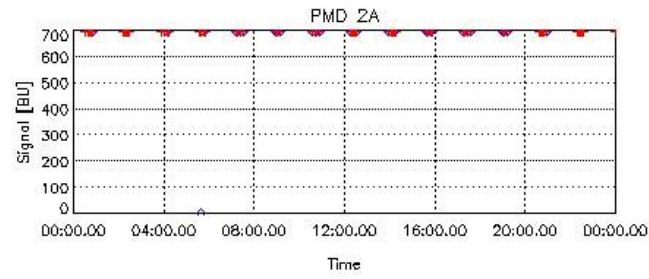
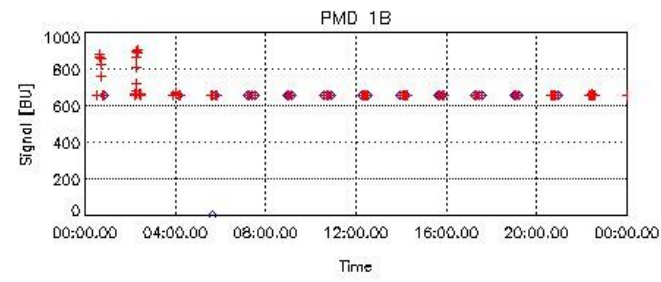
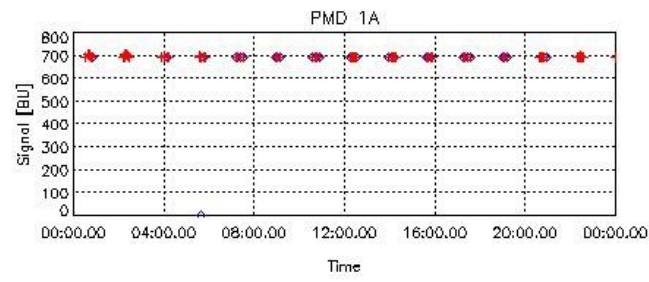
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_6.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00

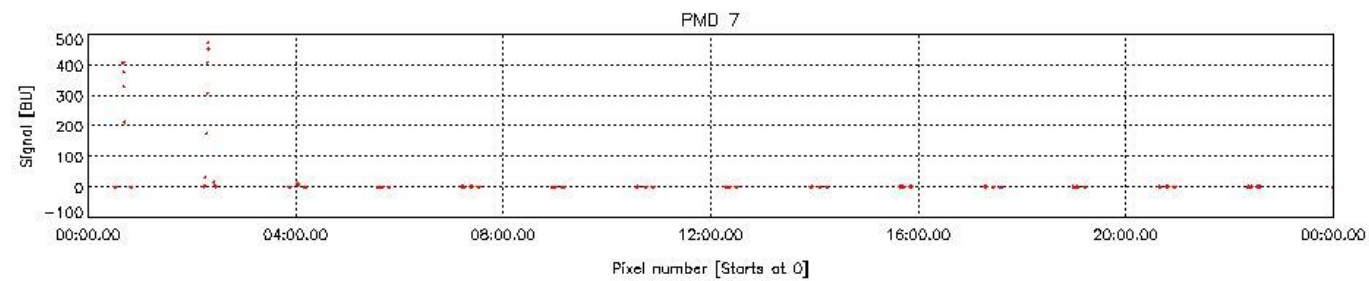
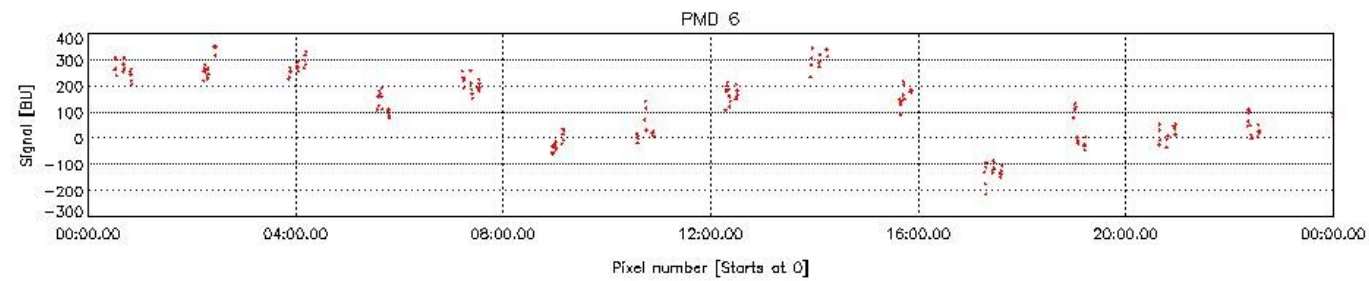
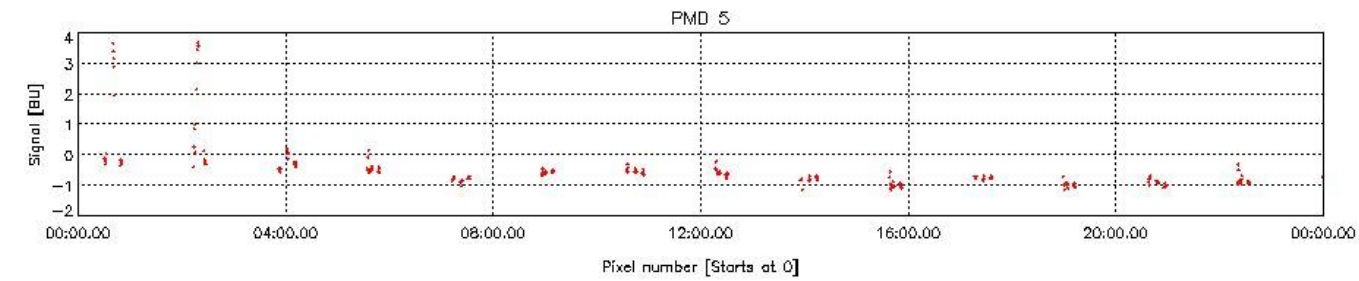
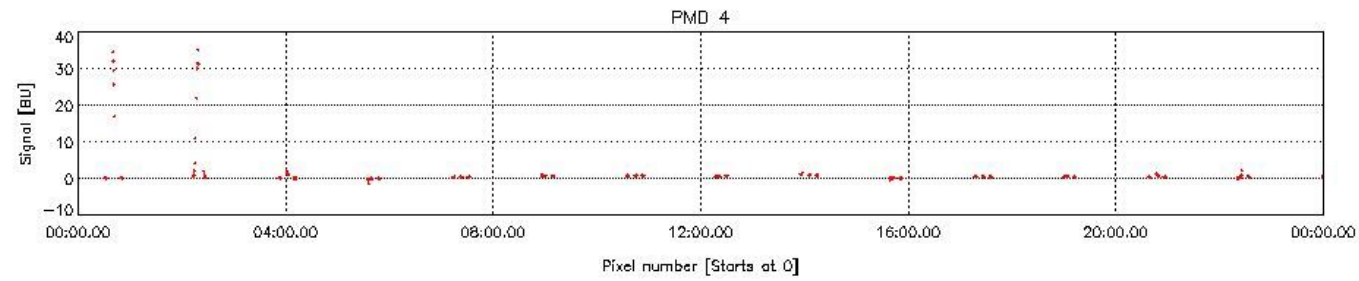
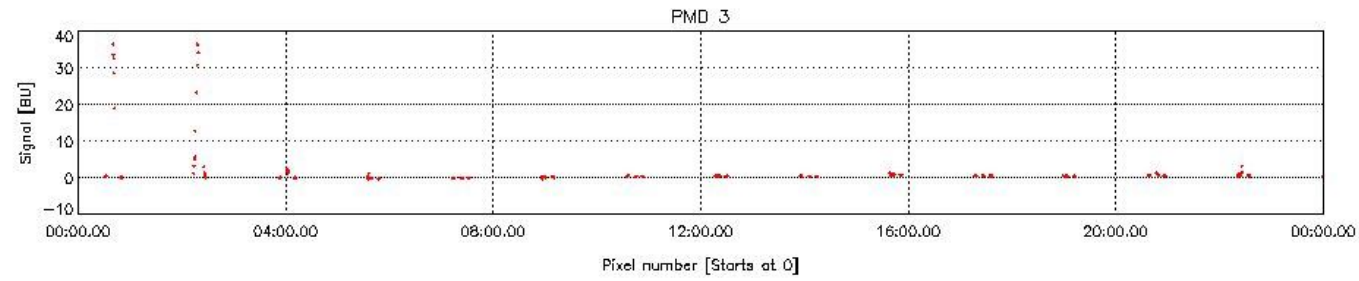
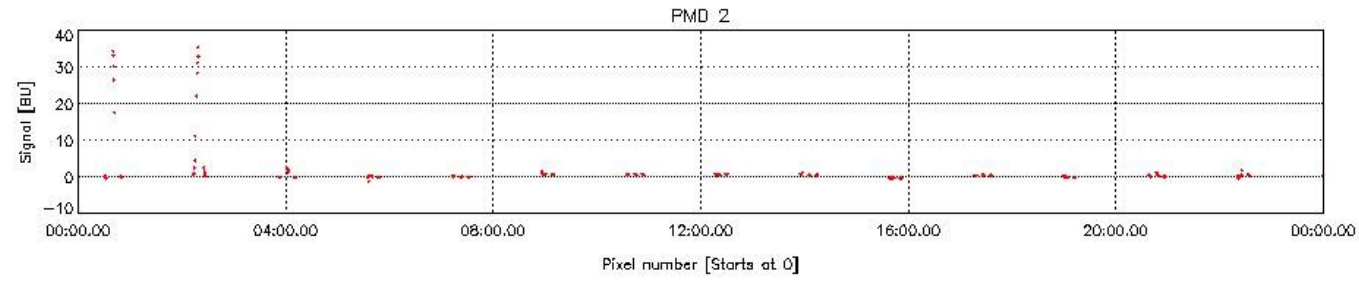
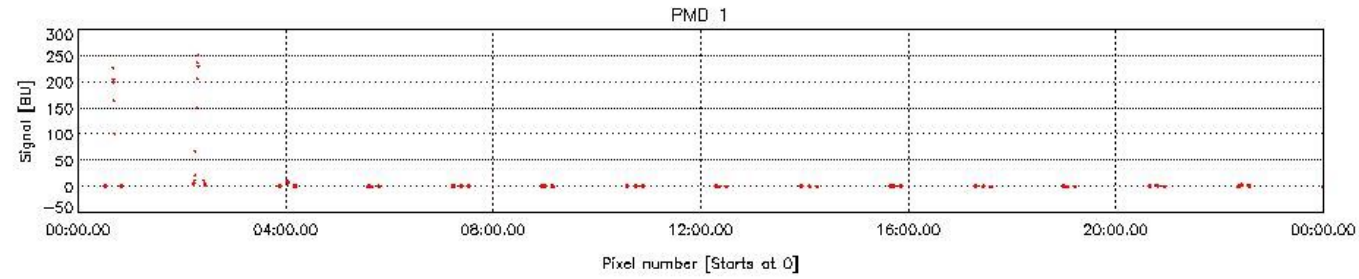


sciamachy_daily_report_level1_SCIA_6_03_N_20080404_7.PNG

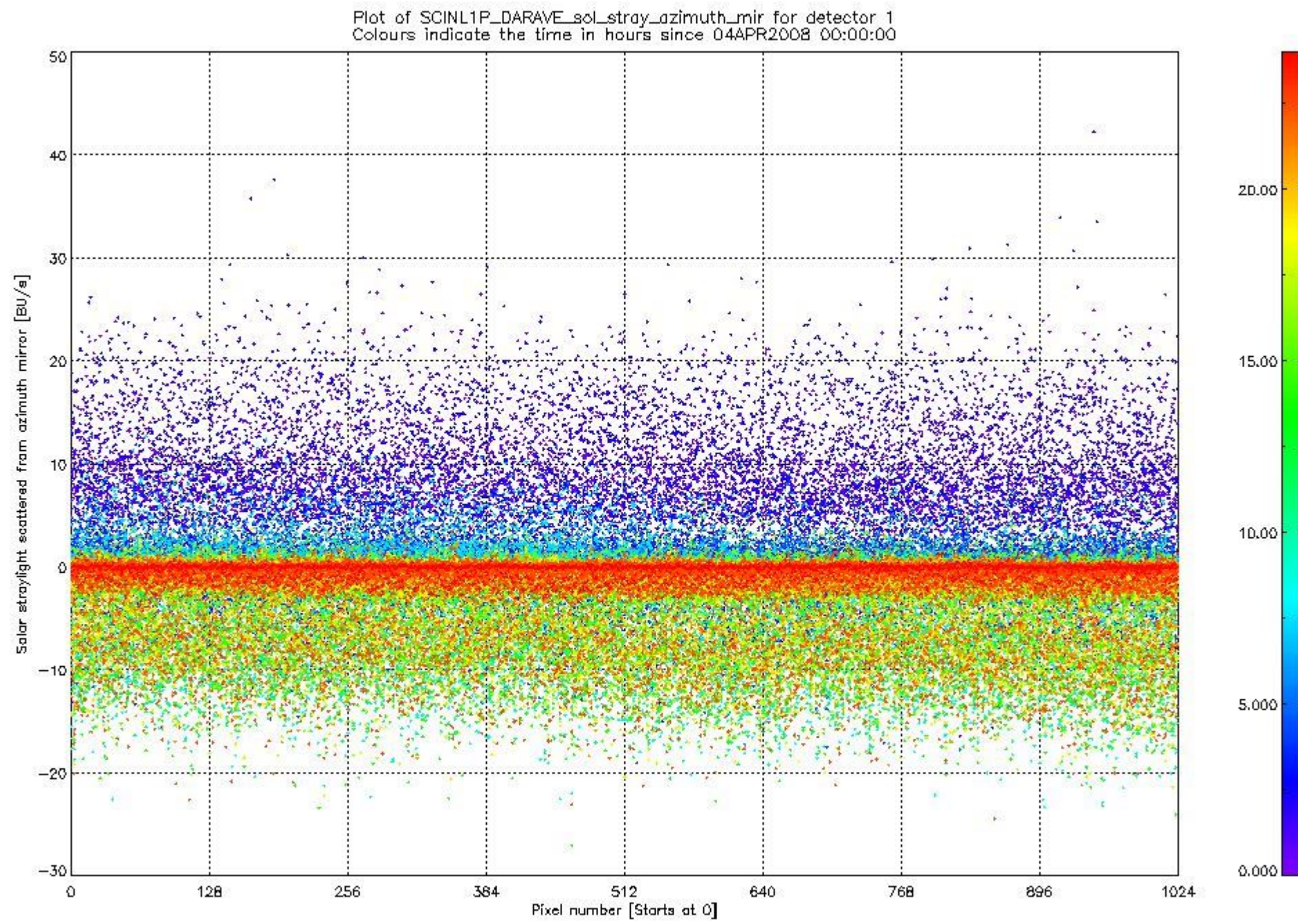
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 04APR2008 (red).
New leakage current offset data is given in blue for comparison.



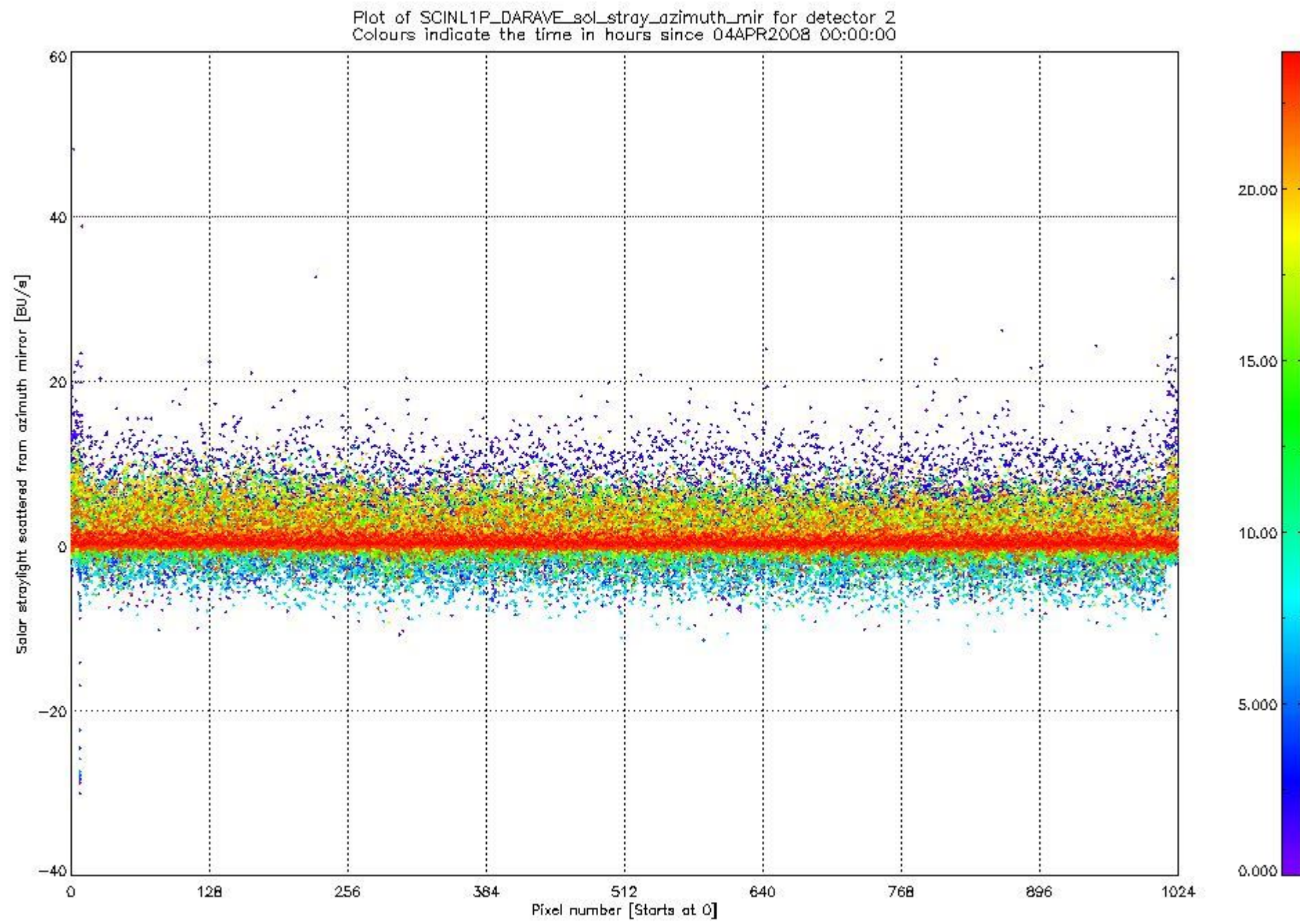
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_8.PNG



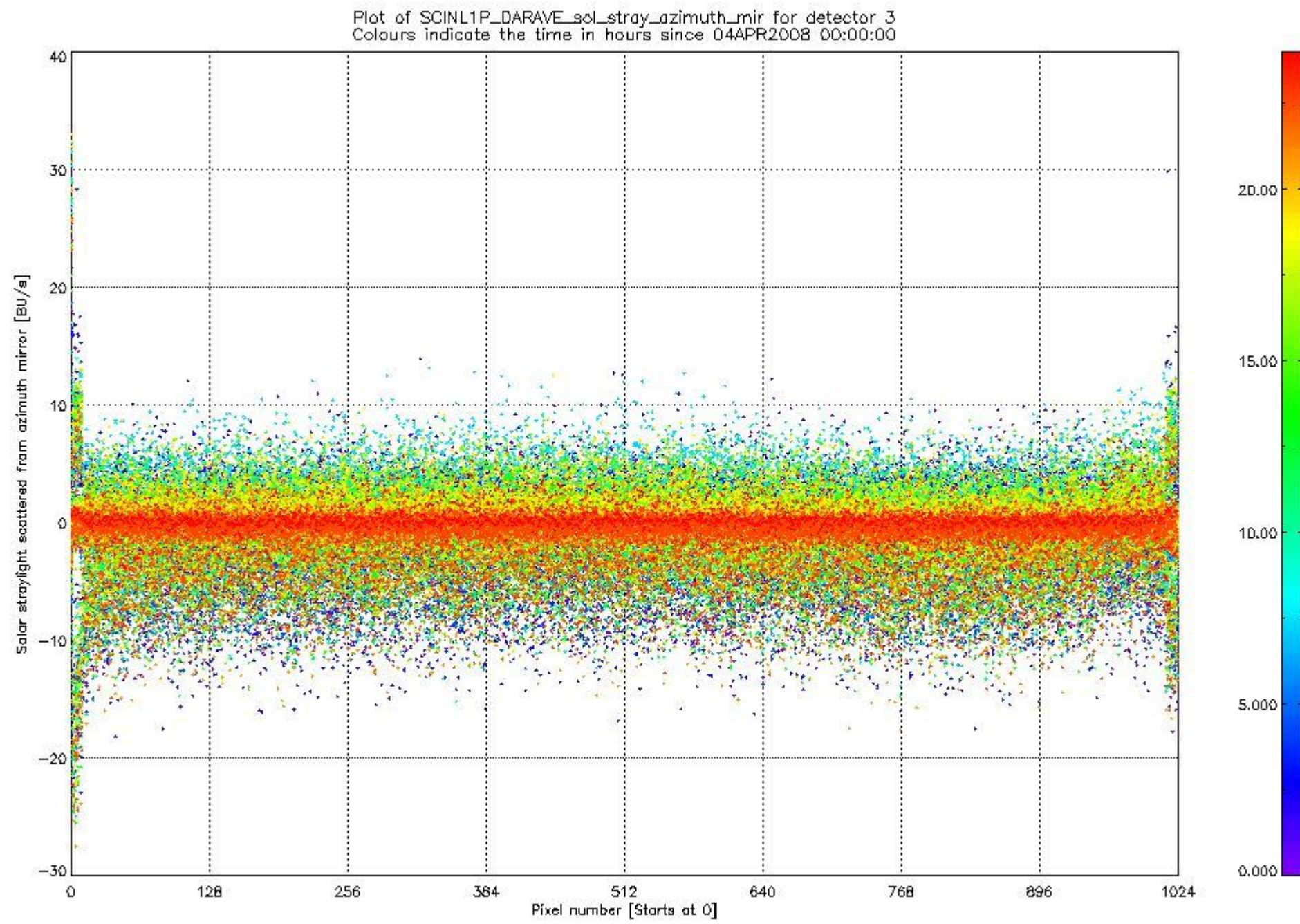
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_9.PNG



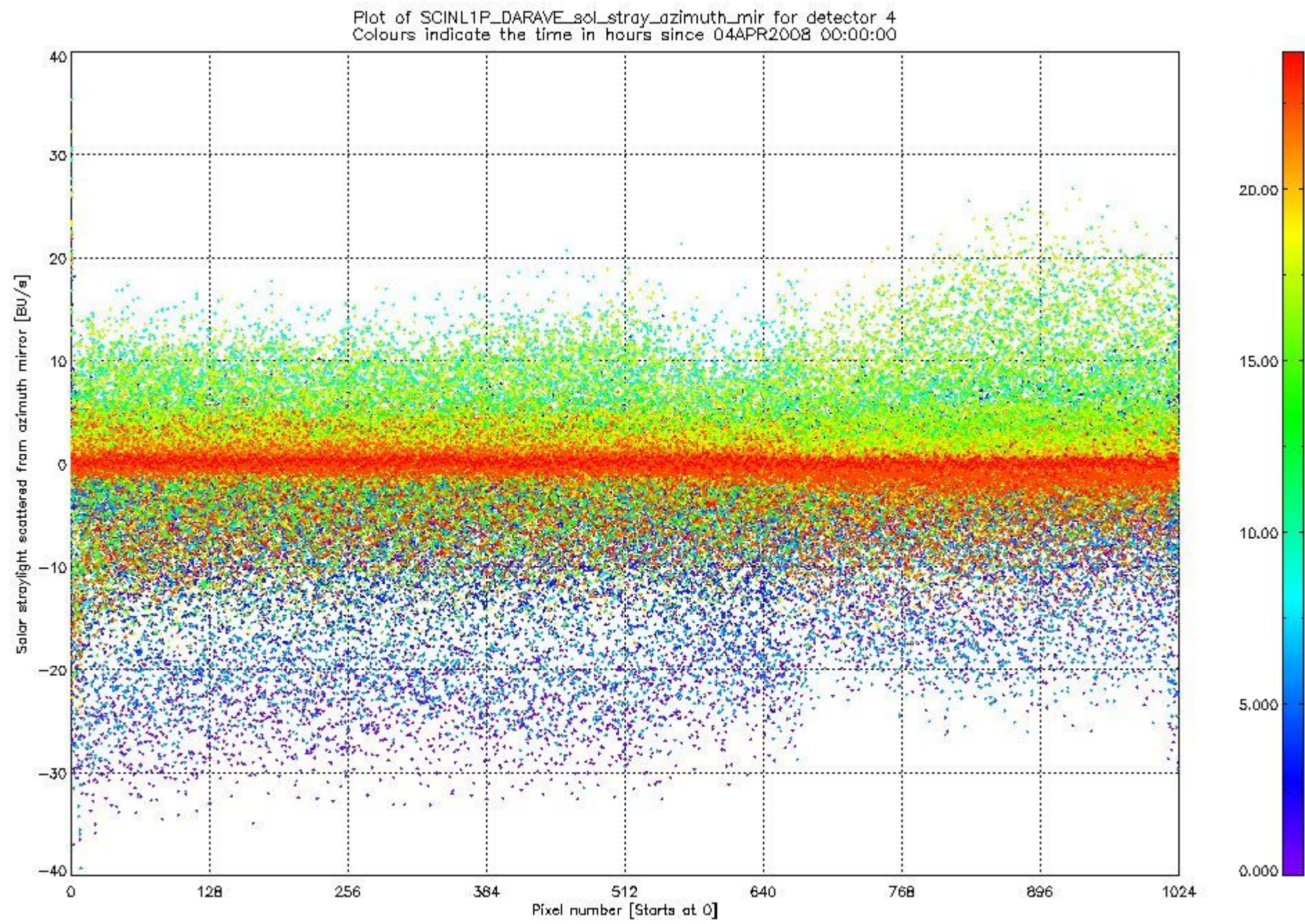
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_10.PNG

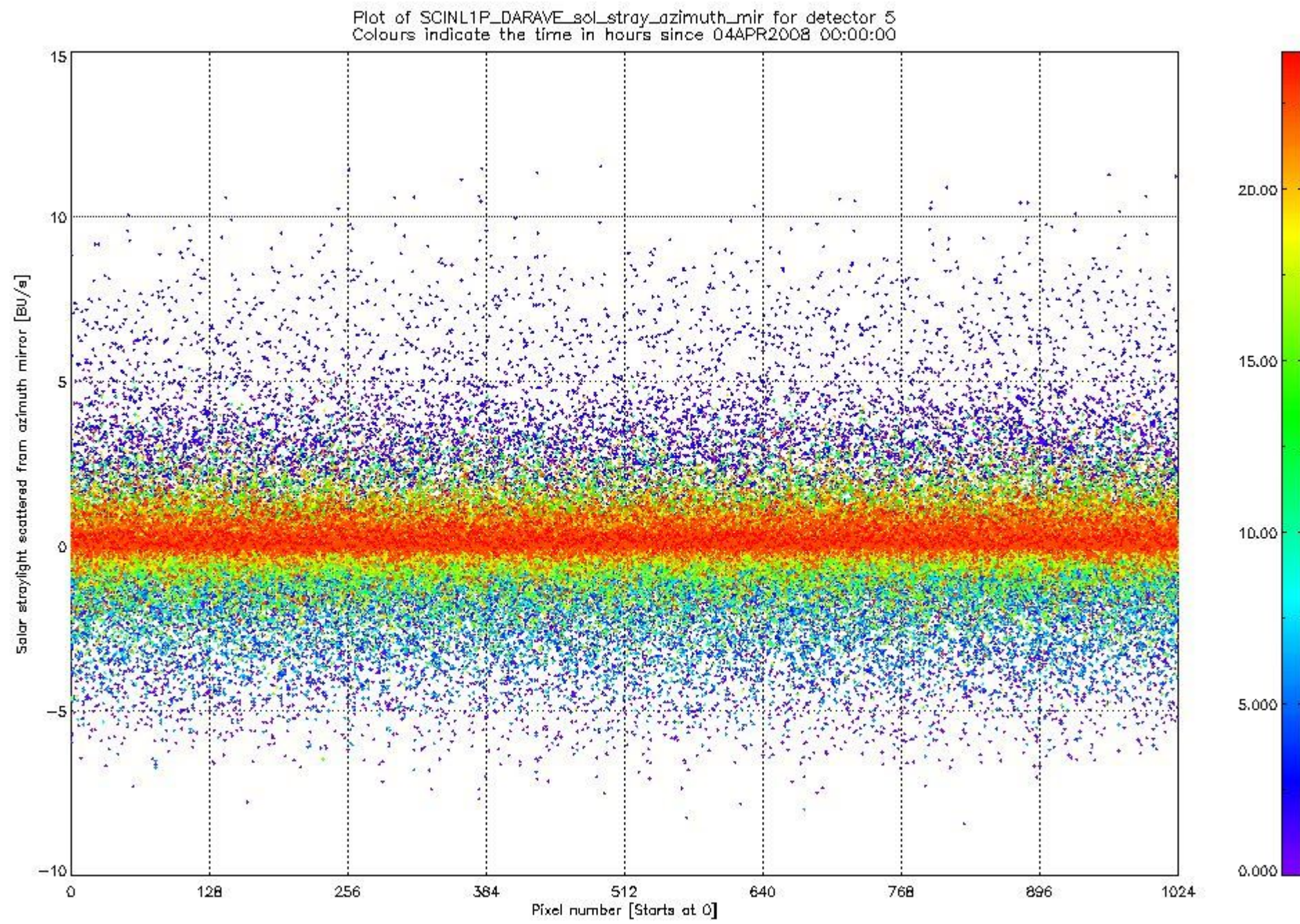


sciamachy_daily_report_level1_SCIA_6_03_N_20080404_11.PNG

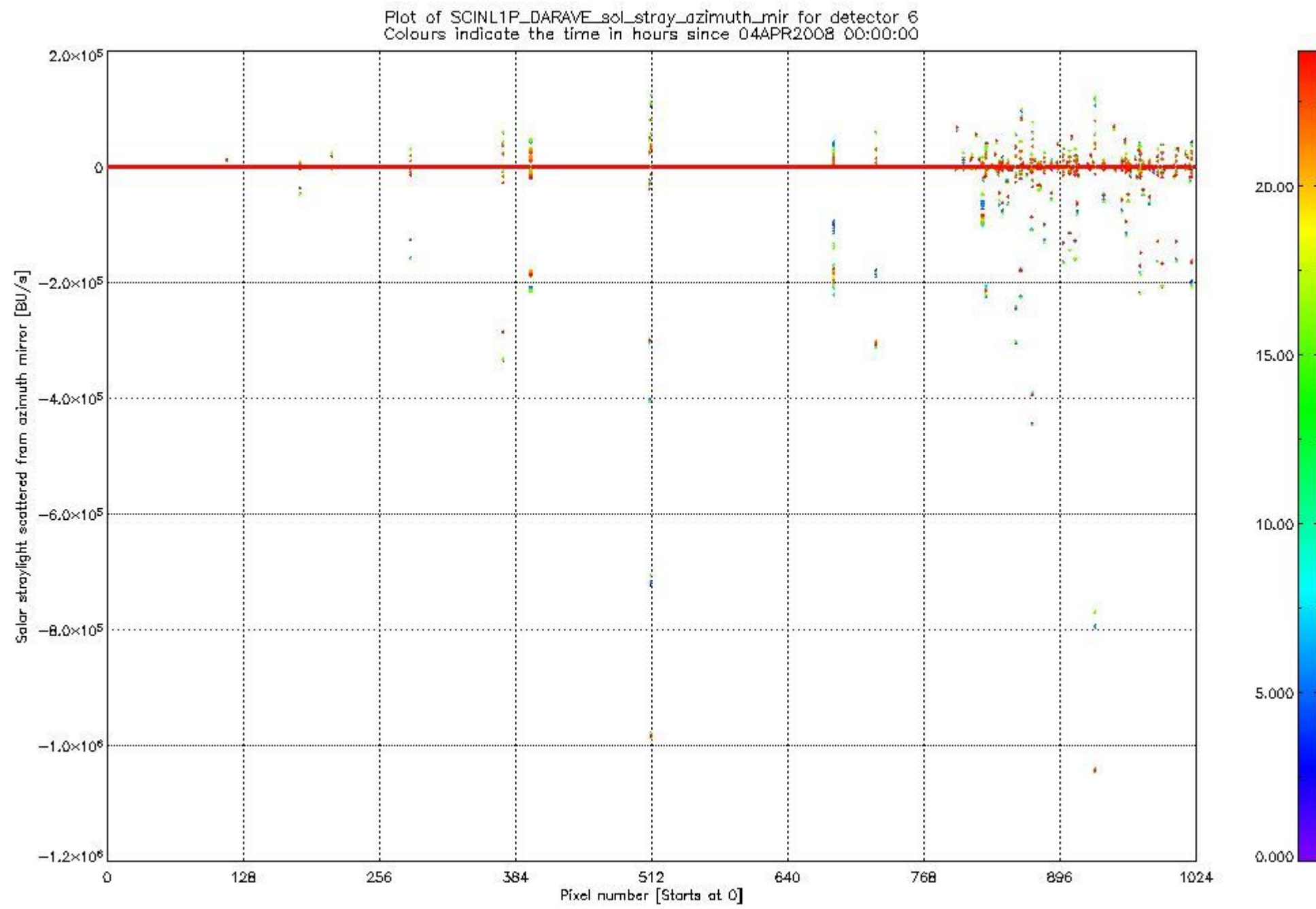


sciamachy_daily_report_level1_SCIA_6_03_N_20080404_12.PNG

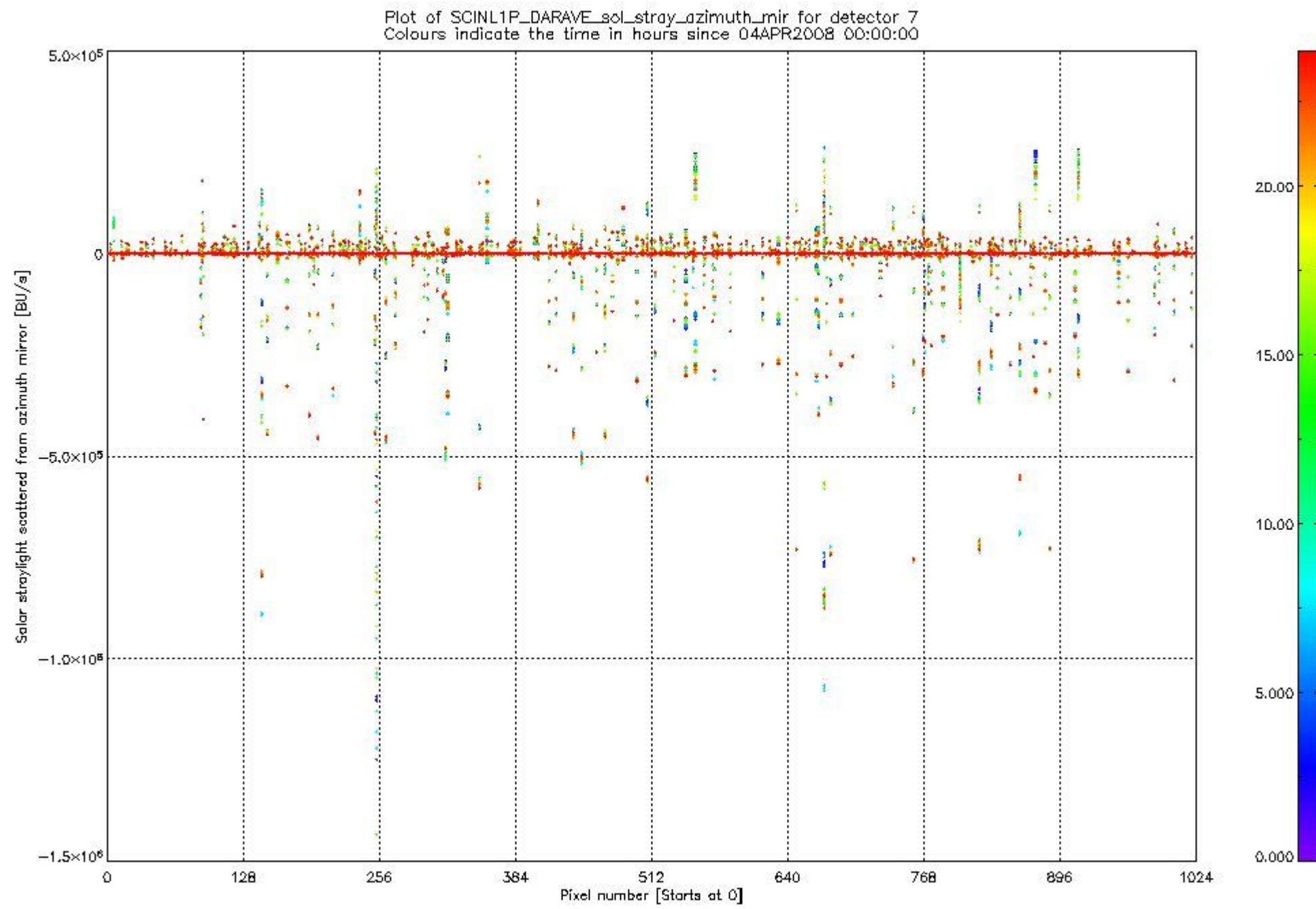




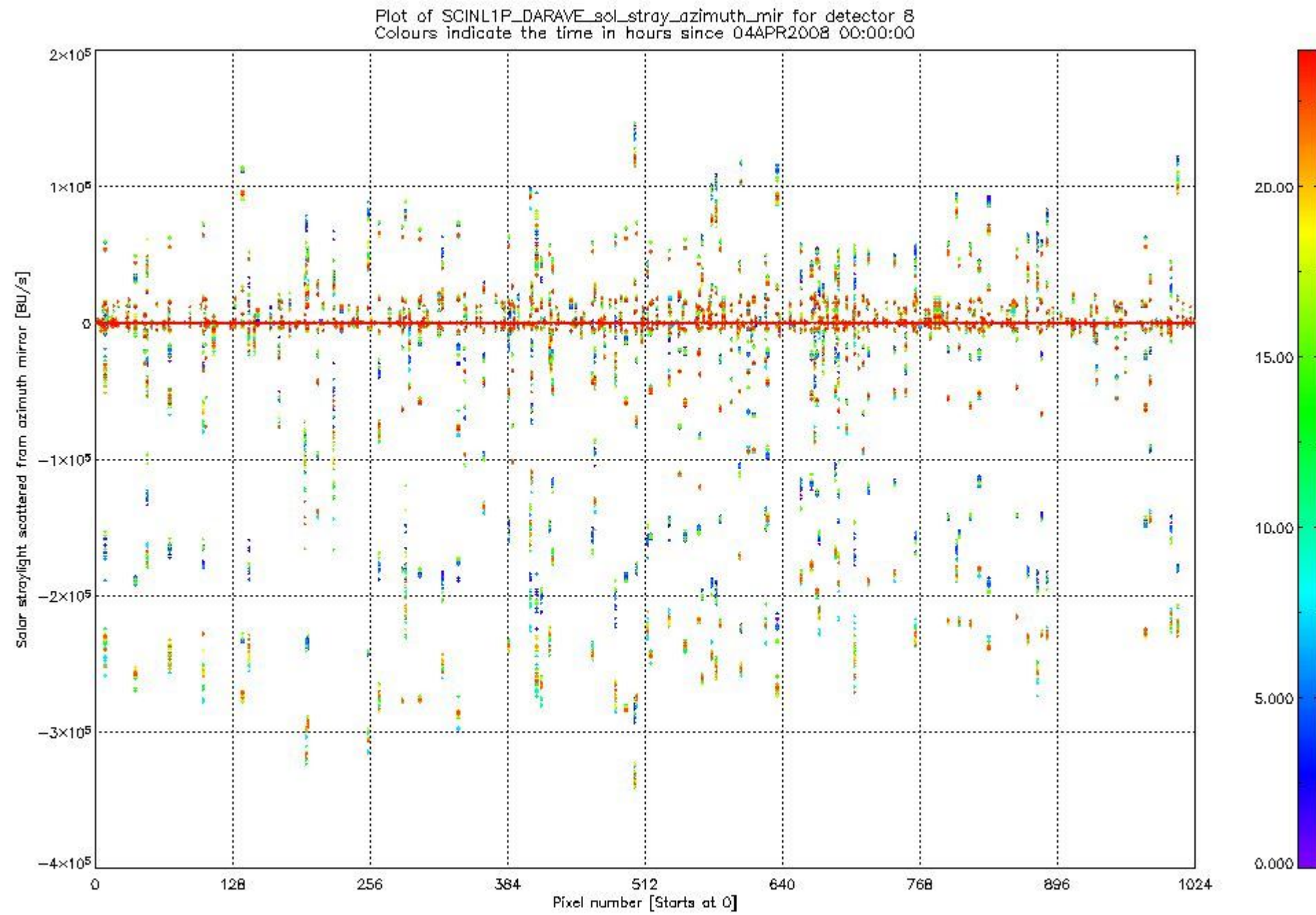
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_14.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_15.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_16.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_17.PNG

1.2.2 New leakage current parameters

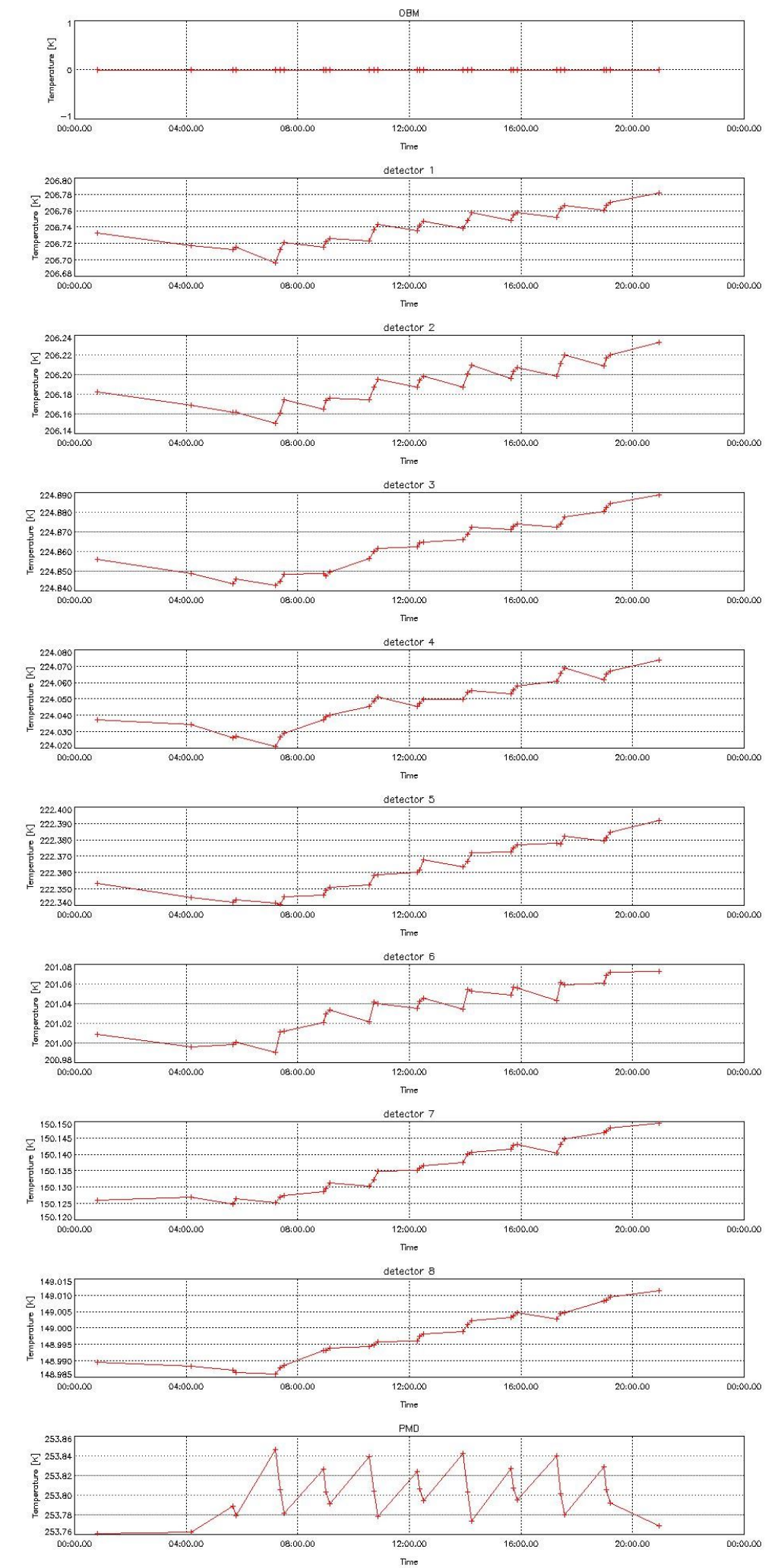
This section lists properties of the new leakage current data within the processing scope.

The following table shows the new leakage measurement data characteristics.

#	dsr_time	attach	orb_phase
0	04APR2008 00:49:08	1	0.321500
1	04APR2008 04:10:19	1	0.321500
2	04APR2008 05:39:59	1	0.253000
3	04APR2008 05:47:48	1	0.287000
4	04APR2008 07:12:50	1	0.140400
5	04APR2008 07:22:10	1	0.233200
6	04APR2008 07:30:47	1	0.318800
7	04APR2008 08:55:38	1	0.173125
8	04APR2008 09:00:36	1	0.239750
9	04APR2008 09:08:59	1	0.287333

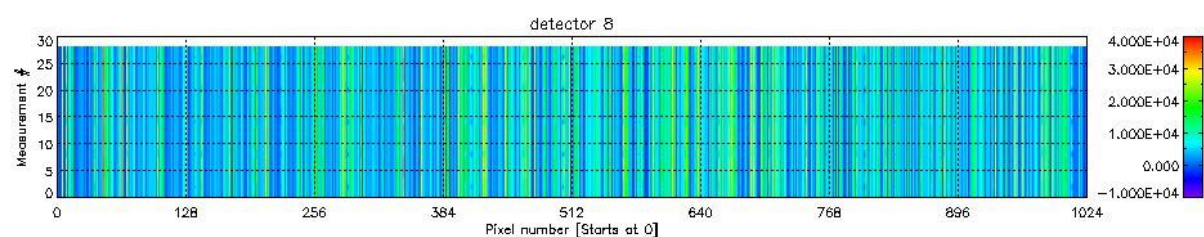
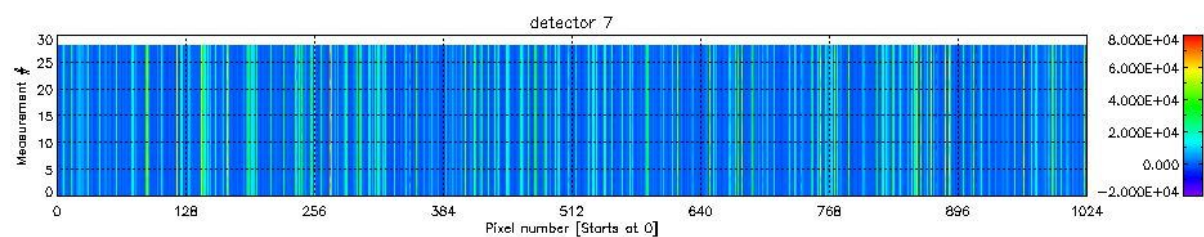
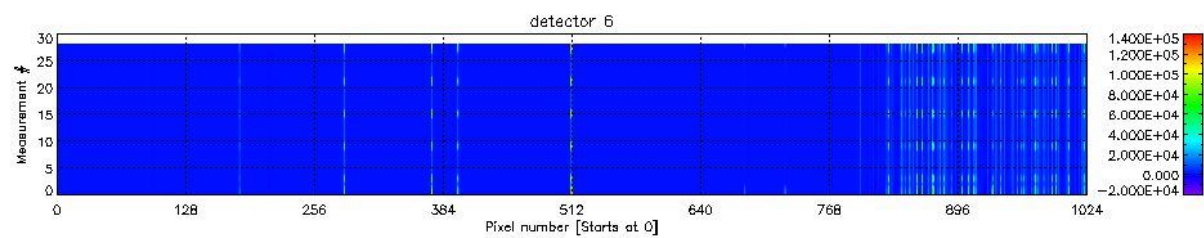
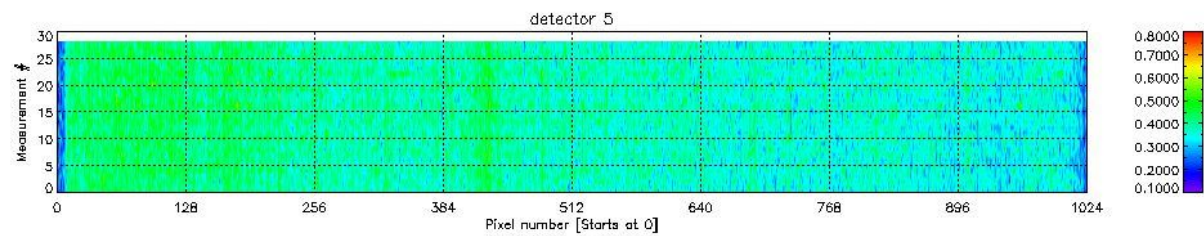
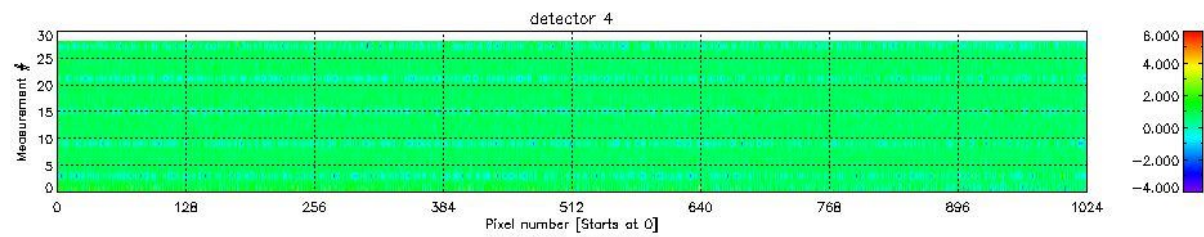
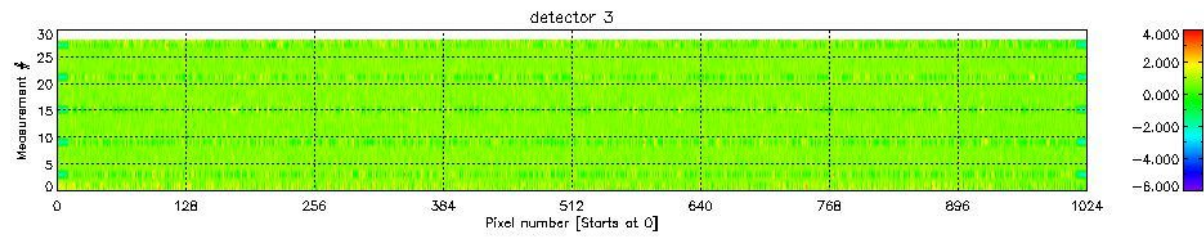
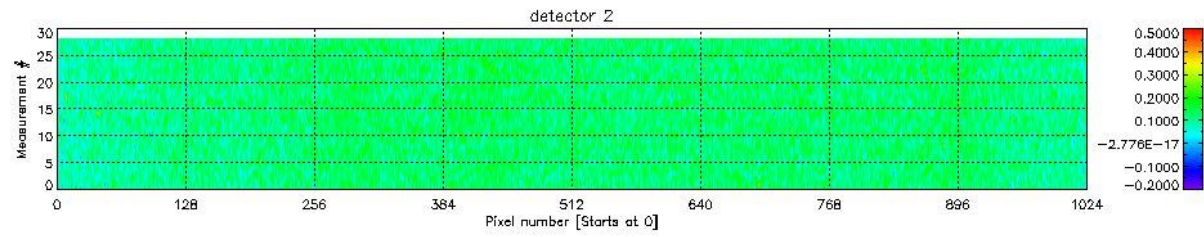
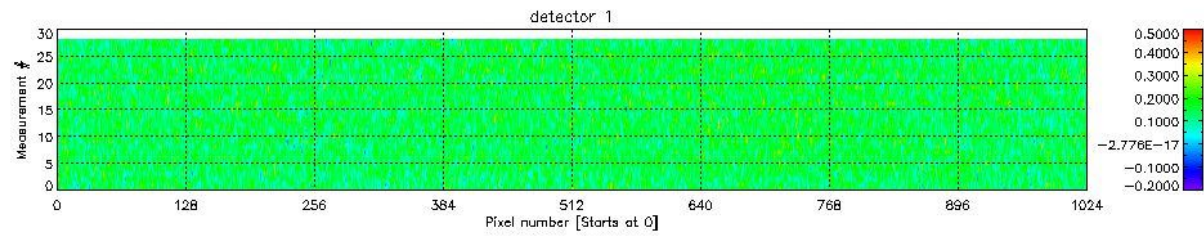
10	04APR2008 10:34:01	1	0.140400
11	04APR2008 10:43:21	1	0.233200
12	04APR2008 10:51:57	1	0.318800
13	04APR2008 12:16:48	1	0.173125
14	04APR2008 12:21:47	1	0.239750
15	04APR2008 12:30:09	1	0.287333
16	04APR2008 13:55:11	1	0.140400
17	04APR2008 14:04:32	1	0.233000
18	04APR2008 14:13:08	1	0.318800
19	04APR2008 15:37:59	1	0.173000
20	04APR2008 15:42:58	1	0.239500
21	04APR2008 15:51:20	1	0.287000
22	04APR2008 17:16:22	1	0.140400
23	04APR2008 17:25:43	1	0.233000
24	04APR2008 17:34:19	1	0.318800
25	04APR2008 18:59:10	1	0.173125
26	04APR2008 19:04:08	1	0.239750
27	04APR2008 19:12:31	1	0.287000
28	04APR2008 20:56:13	1	0.321500

Plots of SCINL1P_NEWLEA_obm_detL_prmd temperatures vs time on 04APR2008.



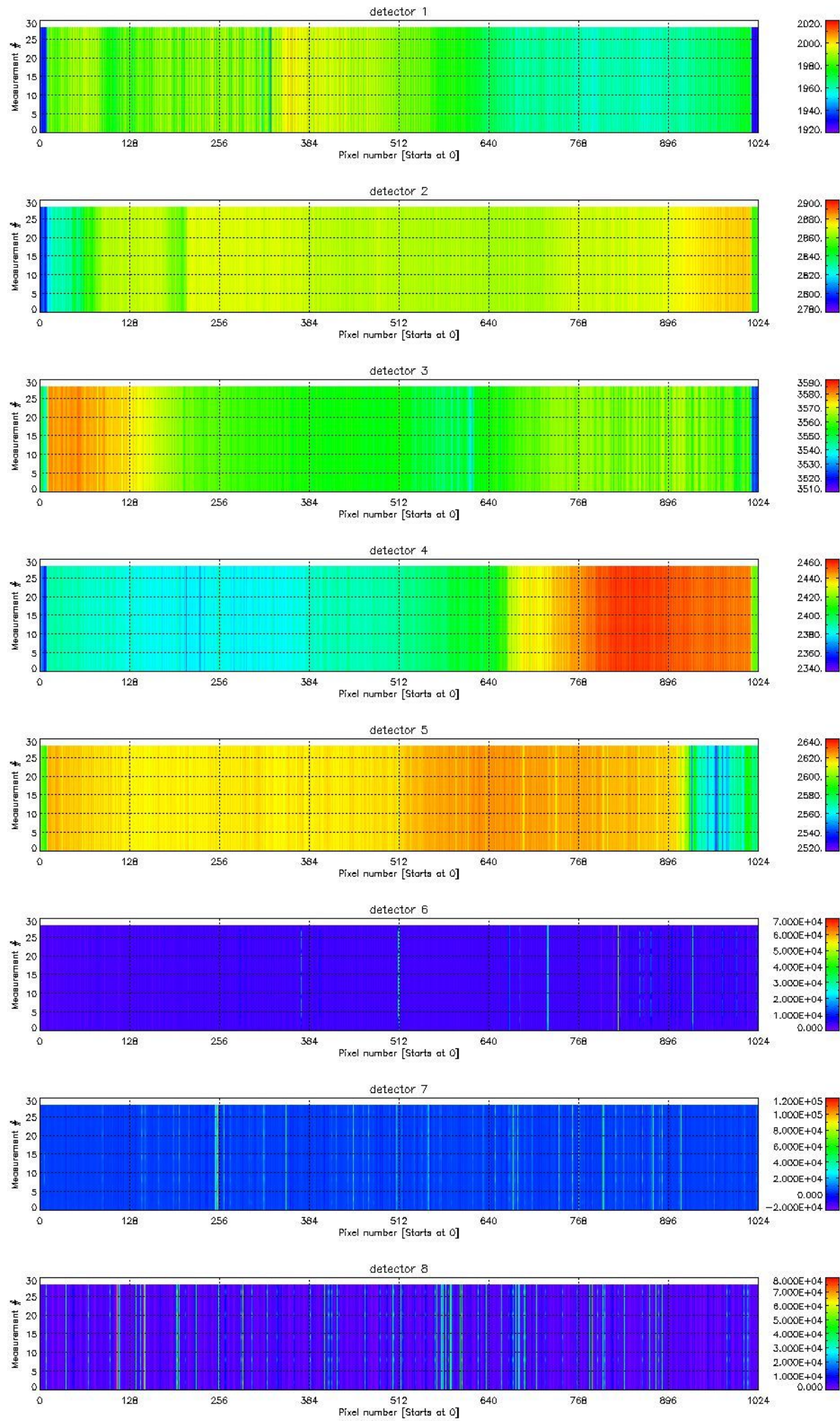
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_18.PNG

Plots of SCINLP_NEWLEA_leak_cur for various detectors on 04APR2008.
Colours indicate the value in BU/s.



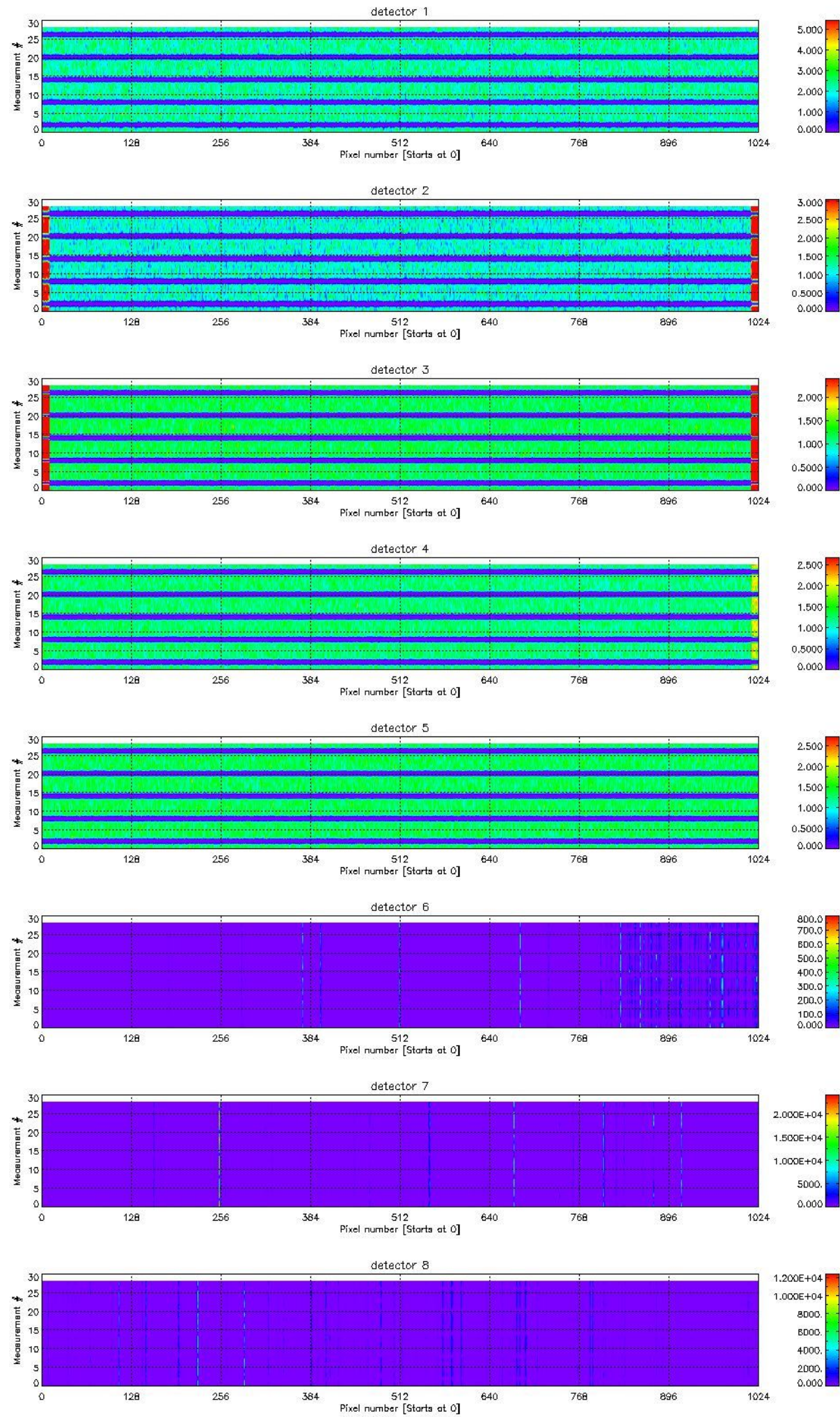
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_19.PNG

Plots of SCINLP_NEWLEA_fpn for various detectors on 04APR2008.
Colours indicate the value in BU.



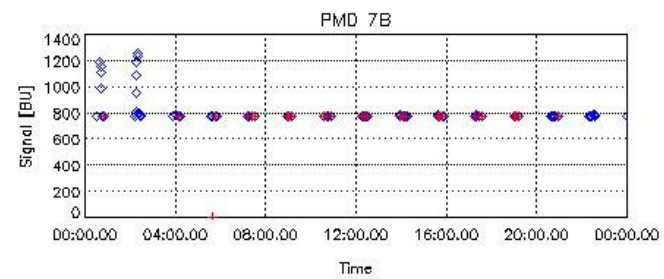
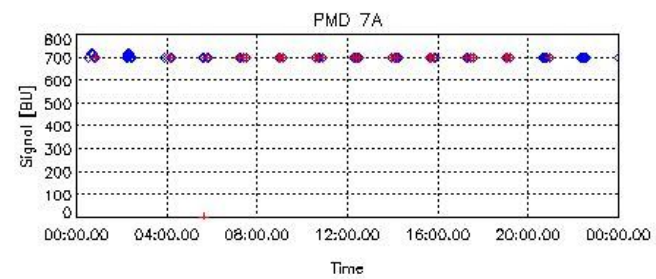
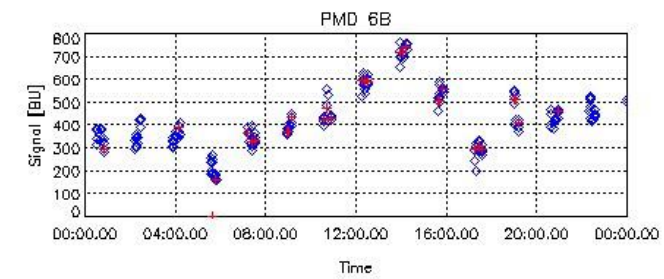
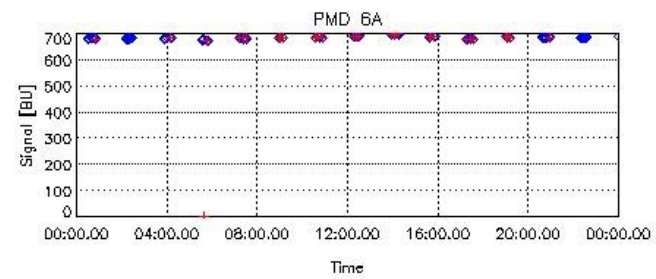
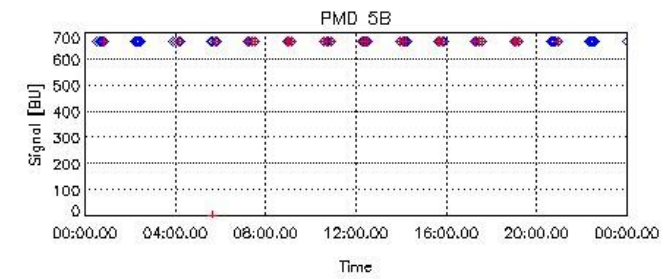
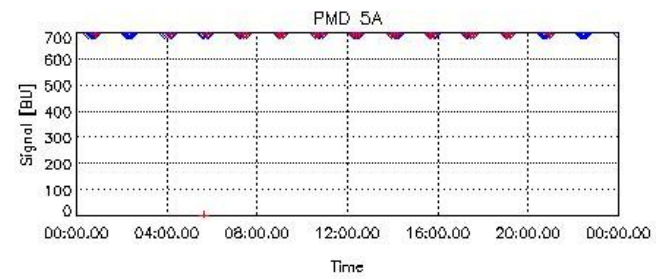
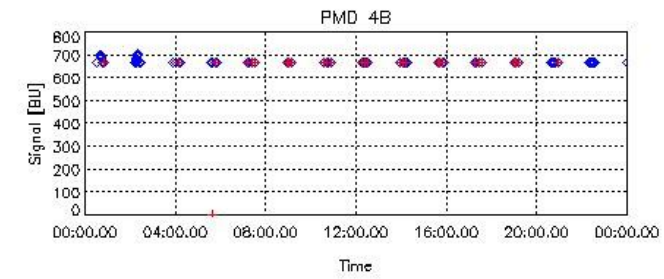
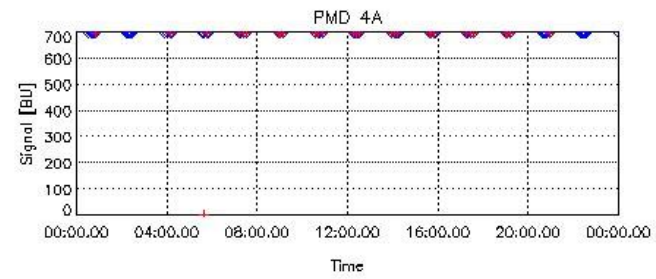
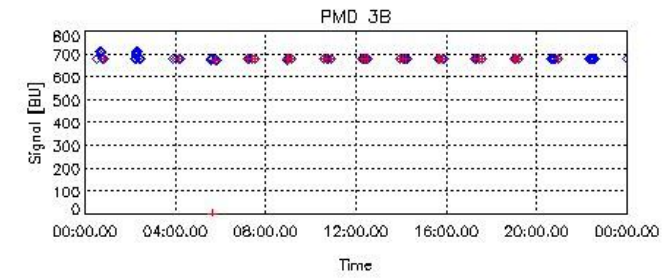
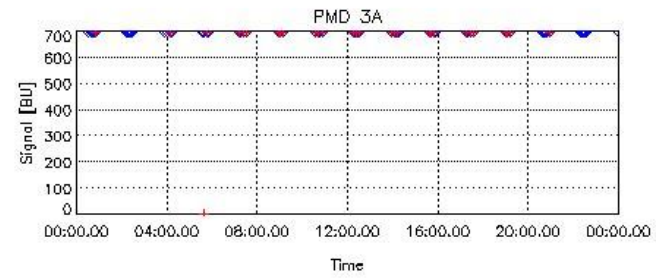
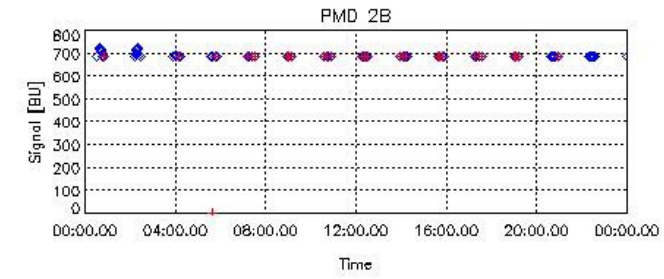
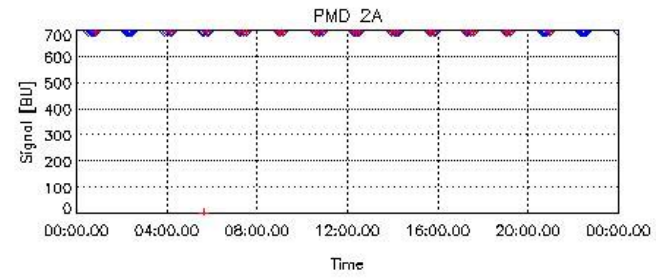
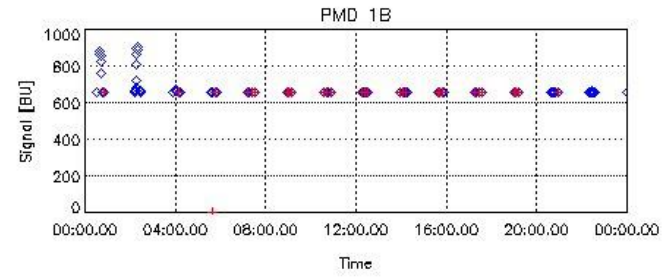
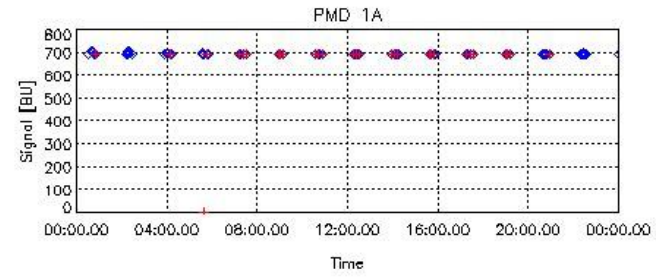
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_20.PNG

Plots of SCINLP_NEWLEA_mean_noise for various detectors on 04APR2008.
Colours indicate the value in BU.



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_21.PNG

Plots of SCINL1P_NEWLEA_pmd_off vs time on 04APR2008 (red).
Dark average pmd data is given in blue for comparison.



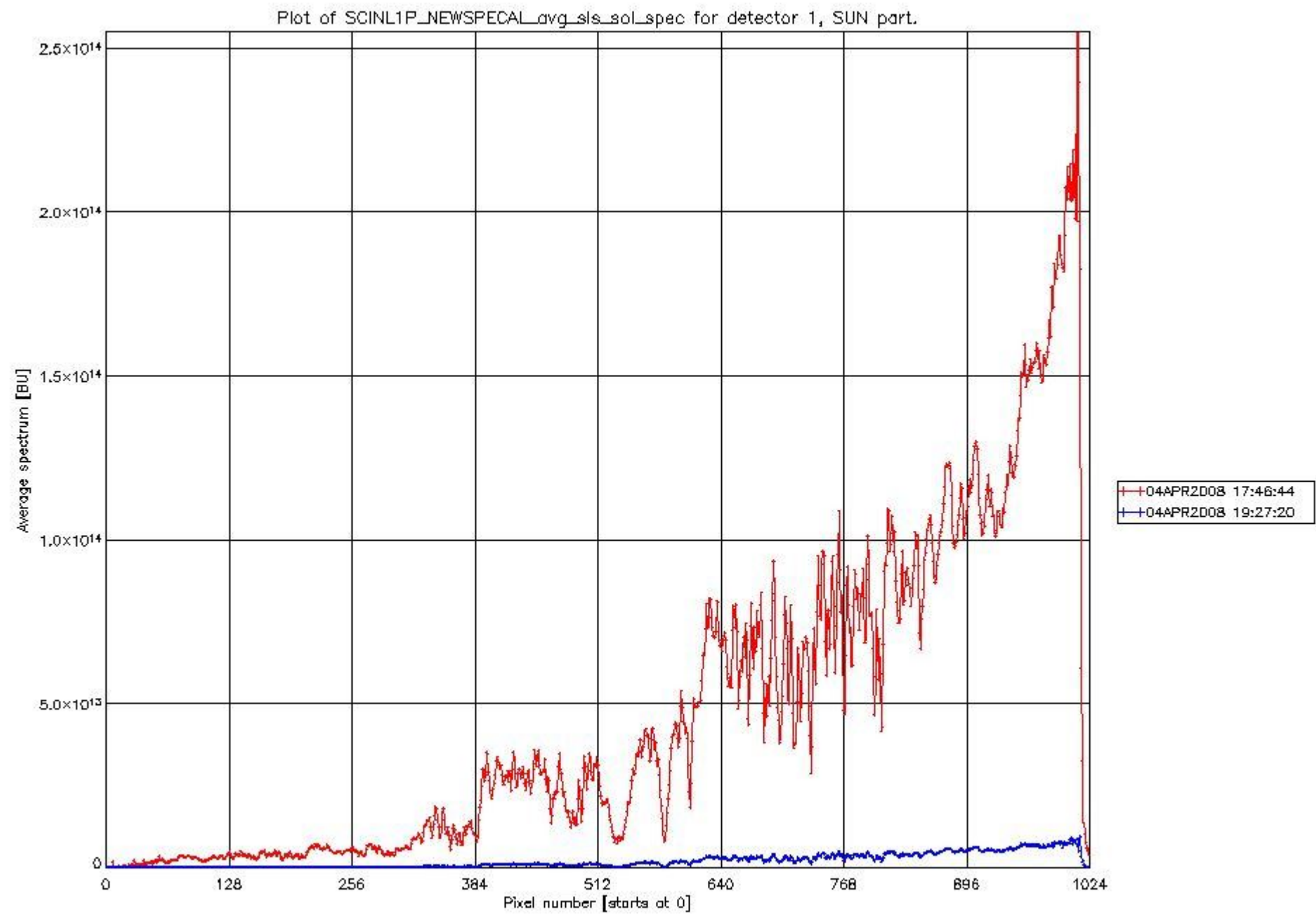
1.2.3 Spectral calibration parameters

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

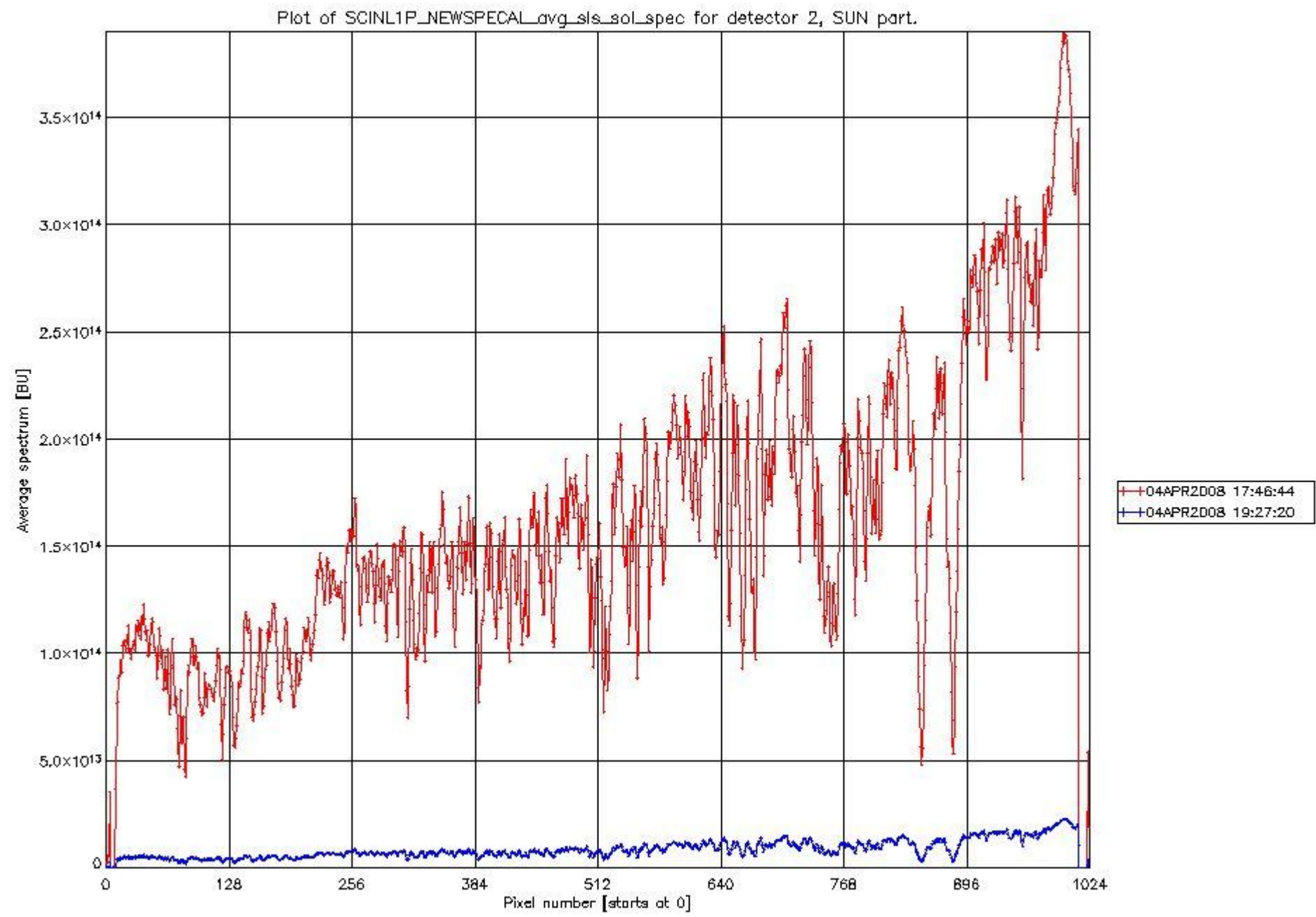
The following table lists general properties of the spectral calibration.

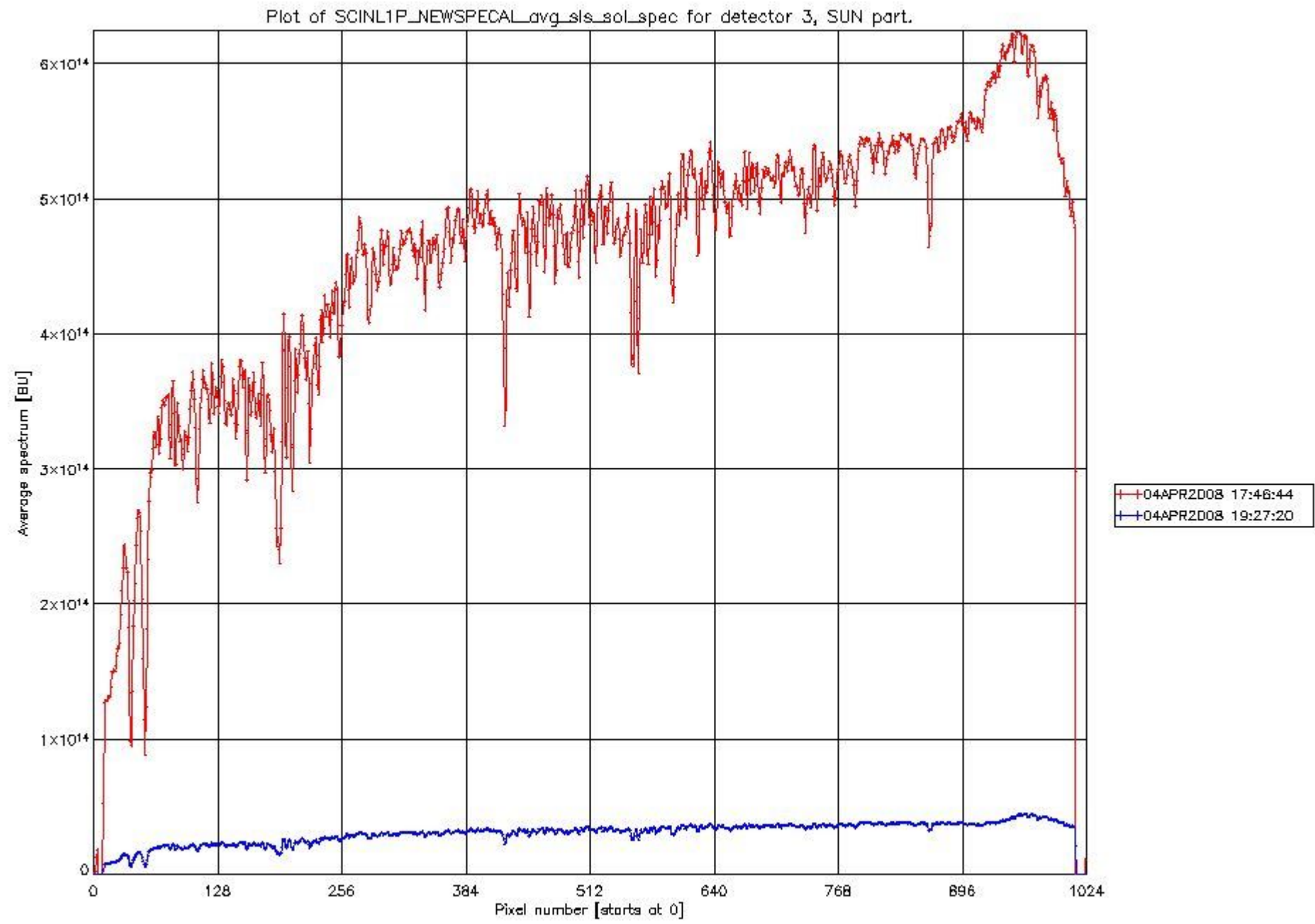
#	dsr_time	attach	orb_phase	source	#lines	cal_error [nm]	coeff[0]	coeff[1]	coeff[2]	coeff[3]	coeff[4]
0	04APR2008 17:46:44	0	0.430000	SUN	3	0.00115964	0.046496544	-5.5320816e-05	2.0588837e-08	0.0000000	0.0000000
				SUN	2	0.00405207	0.026110981	-0.00011949496	0.0000000	0.0000000	0.0000000
				SUN	0	-1.00000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
				SUN	2	0.00126812	-0.13809267	-4.9663558e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00321745	-0.18786597	-0.00010223510	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	04APR2008 19:27:20	0	0.430000	SUN	3	0.00110979	0.046680905	-5.1413215e-05	1.9798538e-08	0.0000000	0.0000000
				SUN	2	0.00381208	0.026334438	-0.00011240494	0.0000000	0.0000000	0.0000000
				SUN	2	0.00329792	-0.055355802	-0.00012824574	0.0000000	0.0000000	0.0000000
				SUN	2	0.00200200	-0.26372740	9.4445029e-05	0.0000000	0.0000000	0.0000000
				SUN	2	0.00343205	-0.19964364	-0.00010905907	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

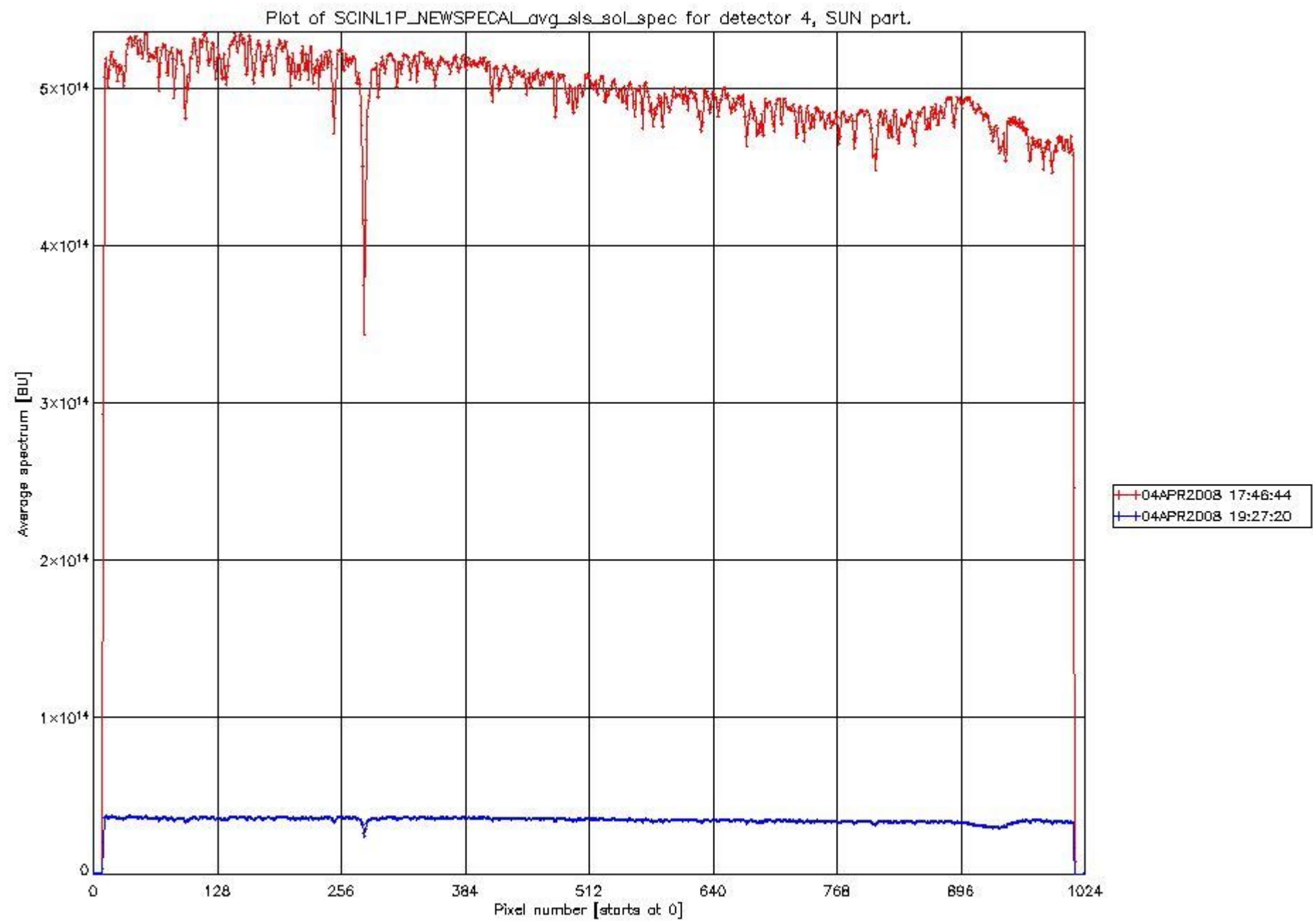
The following figures give an overview of the recorded signal for each detector.

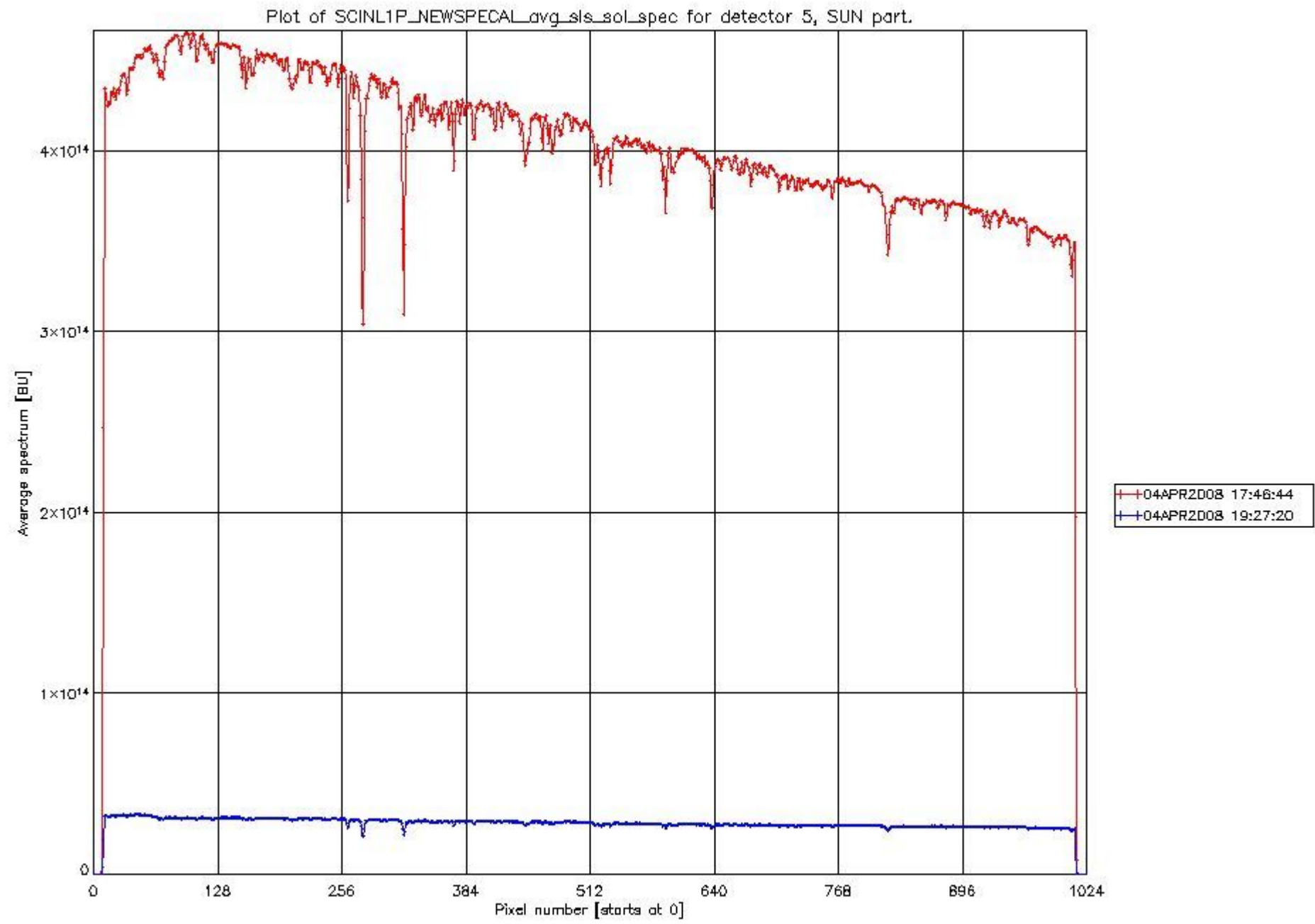


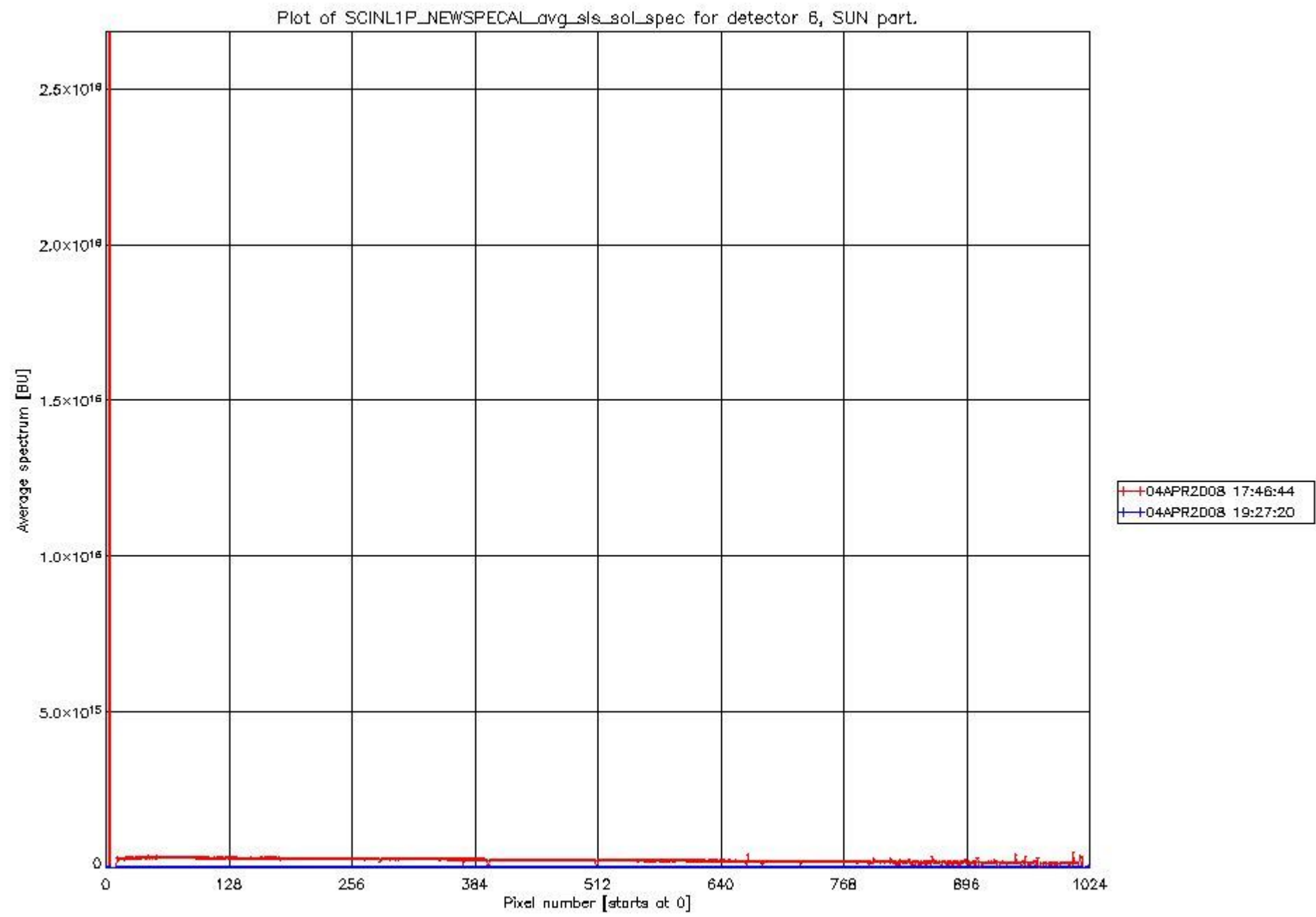
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_23.PNG

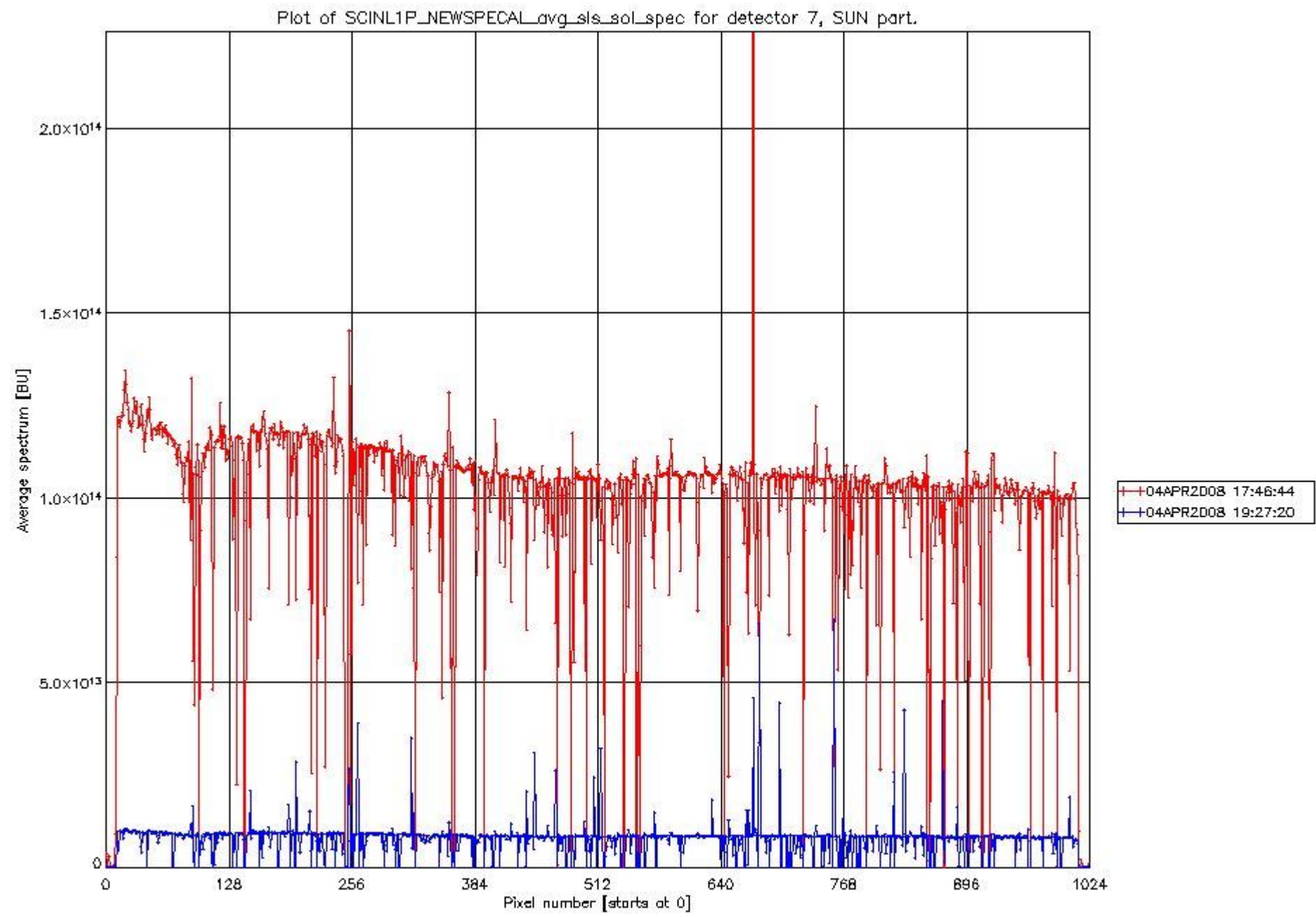


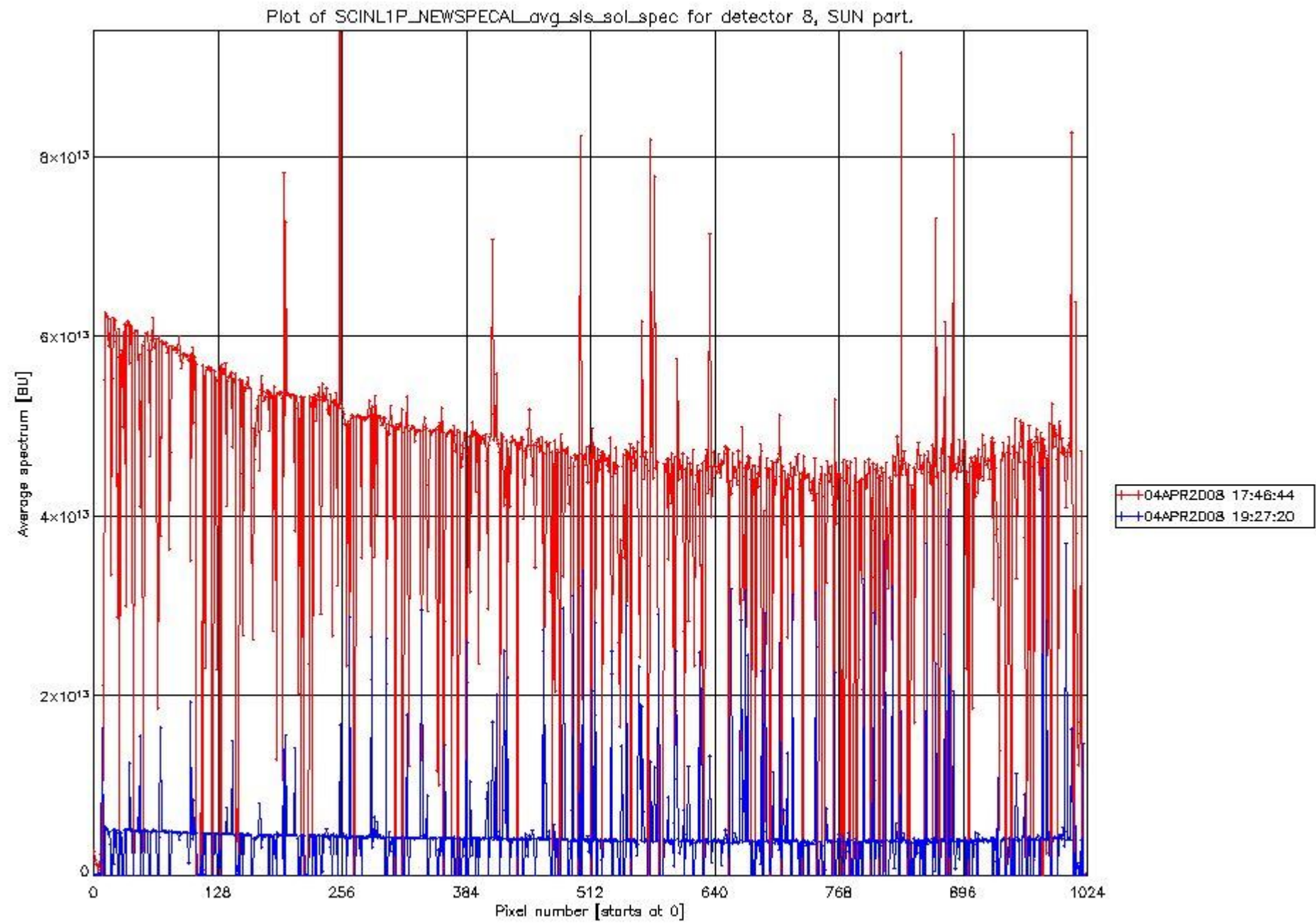












sciamachy_daily_report_level1_SCIA_6_03_N_20080404_30.PNG

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

1.2.4 New sun reference spectrum parameters

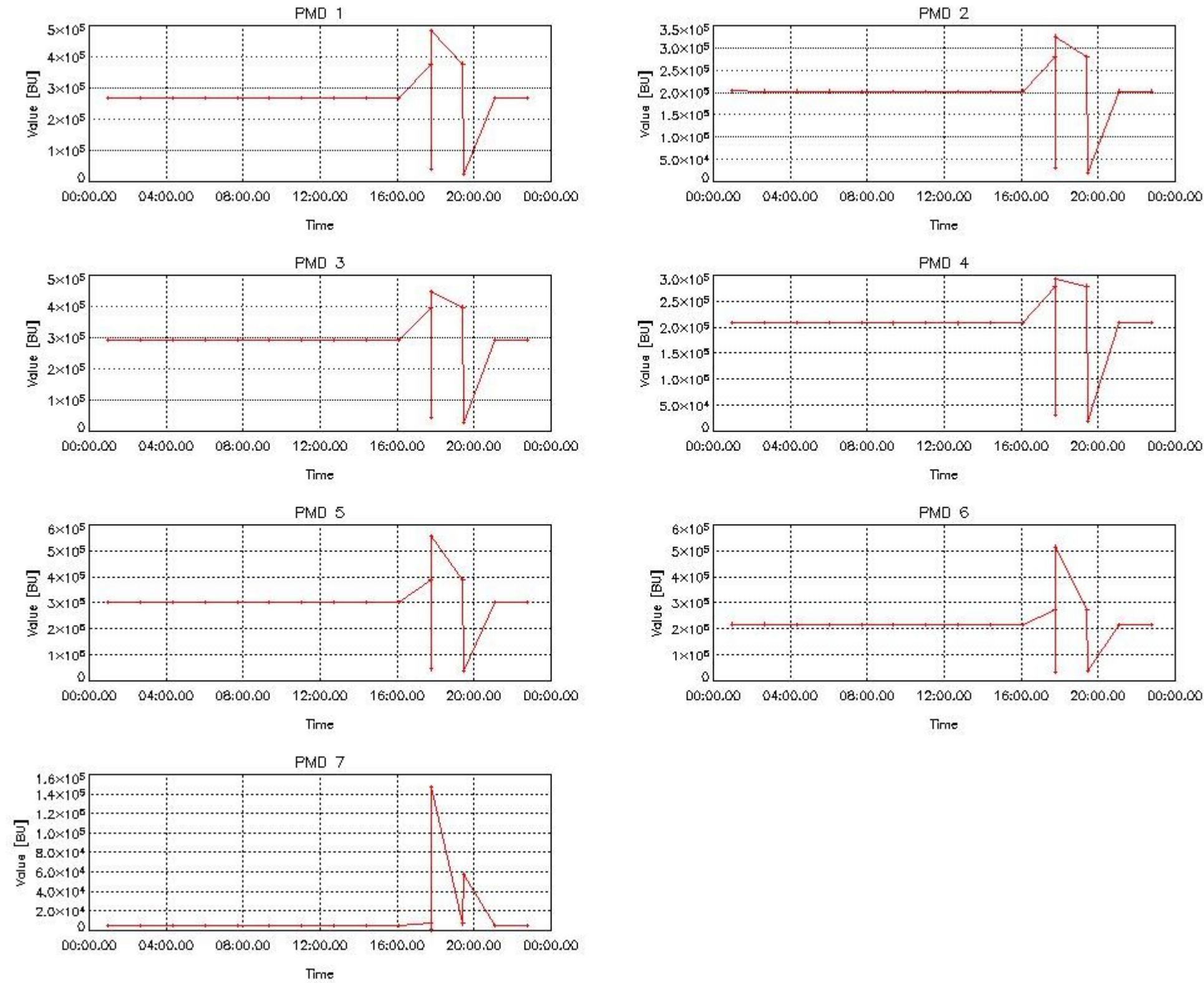
This section lists properties of the new sun reference spectrum data within the processing scope.

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	04APR2008 00:58:51	0	O 1	1	-30.0809	-11.7828	0.00000	0.0100093
		0	U 1	1	-30.0809	-11.7828	0.00000	0.0100093
1	04APR2008 02:39:26	0	O 1	1	-30.0870	-11.7830	0.00000	0.0100104
		0	U 1	1	-30.0870	-11.7830	0.00000	0.0100104
2	04APR2008 04:20:02	0	O 1	1	-30.0937	-11.7821	0.00000	0.0100120
		0	U 1	1	-30.0937	-11.7821	0.00000	0.0100120

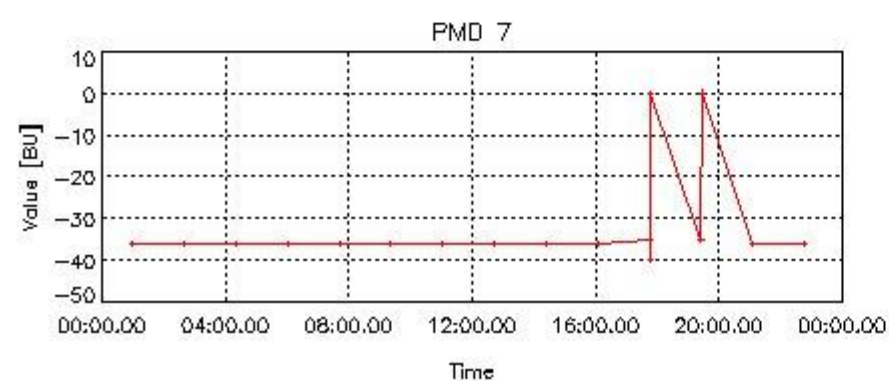
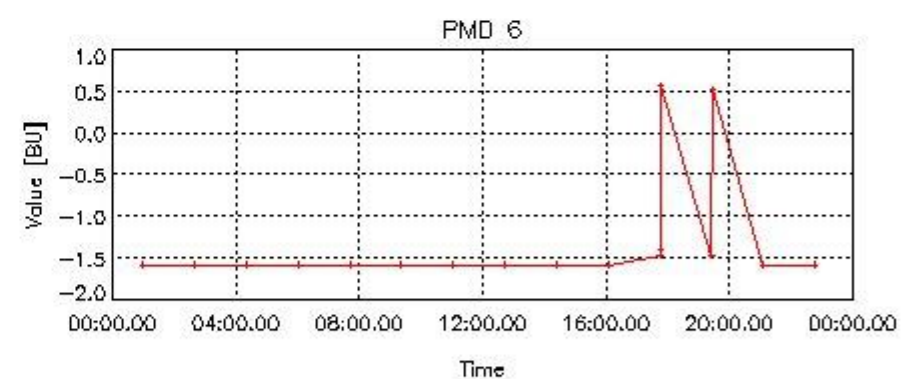
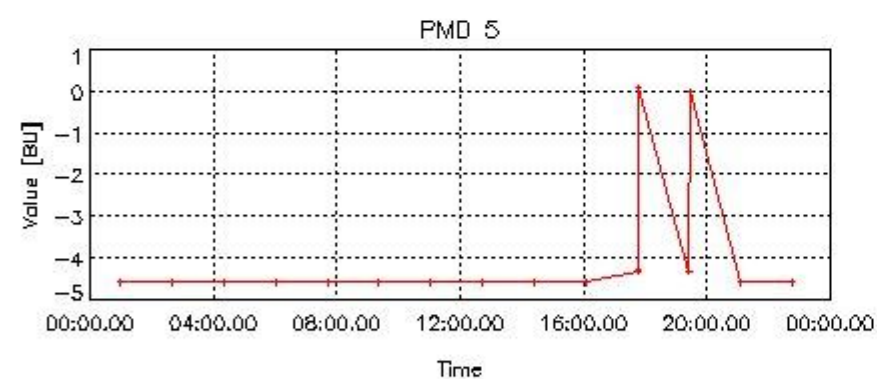
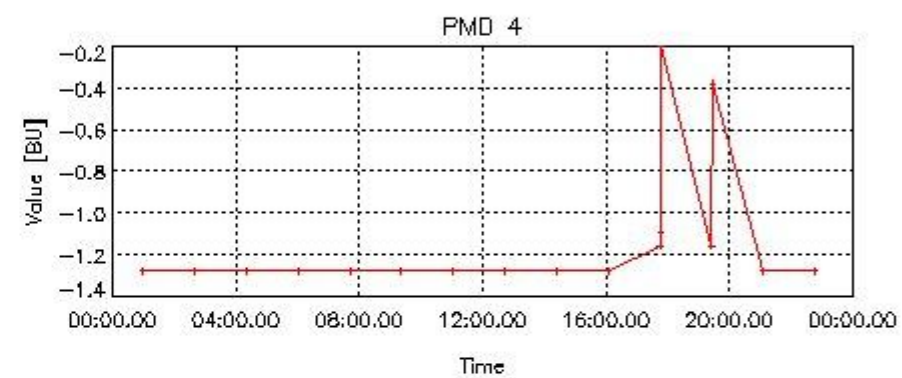
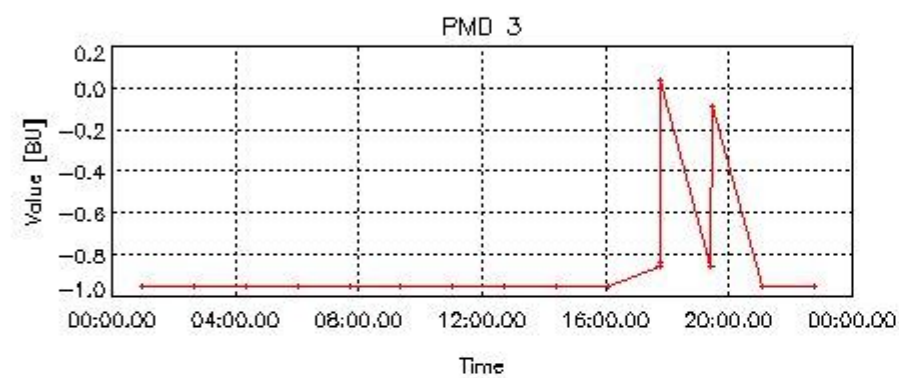
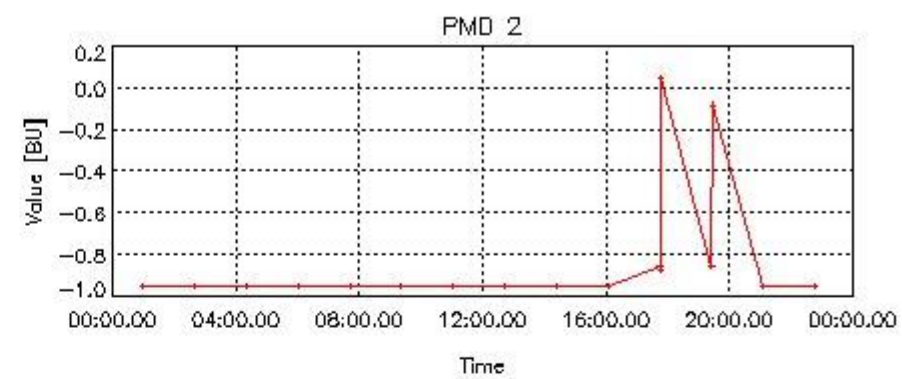
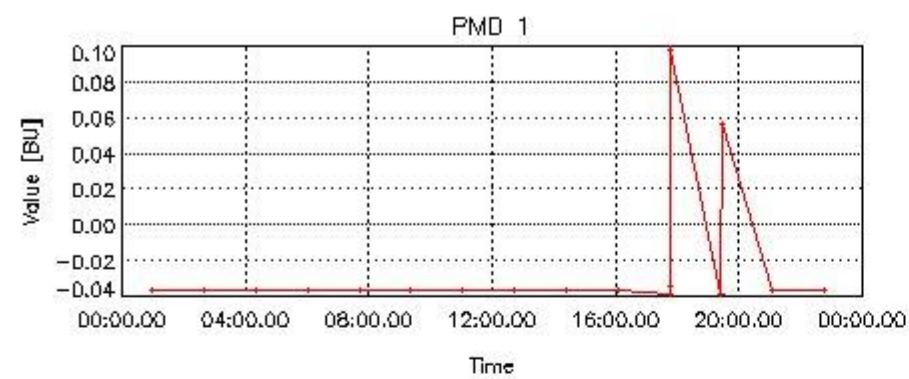
3	04APR2008 06:00:37	0 0	O U	1 1	-30.1008 -30.1008	-11.7808 -11.7808	0.00000 0.00000	0.0100138 0.0100138
4	04APR2008 07:41:13	0 0	O U	1 1	-30.1076 -30.1076	-11.7801 -11.7801	0.00000 0.00000	0.0100154 0.0100154
5	04APR2008 09:21:48	0 0	O U	1 1	-30.1147 -30.1147	-11.7801 -11.7801	0.00000 0.00000	0.0100168 0.0100168
6	04APR2008 11:02:24	0 0	O U	1 1	-30.1212 -30.1212	-11.7801 -11.7801	0.00000 0.00000	0.0100181 0.0100181
7	04APR2008 12:42:59	0 0	O U	1 1	-30.1278 -30.1278	-11.7803 -11.7803	0.00000 0.00000	0.0100193 0.0100193
8	04APR2008 14:23:35	0 0	O U	1 1	-30.1337 -30.1337	-11.7808 -11.7808	0.00000 0.00000	0.0100203 0.0100203
9	04APR2008 16:04:10	0 0	O U	1 1	-30.1405 -30.1405	-11.7813 -11.7813	0.00000 0.00000	0.0100214 0.0100214
10	04APR2008 17:44:46	0 0	O U	1 1	-29.9624 -29.9624	-12.5757 -12.5757	0.00000 0.00000	0.00986187 0.00986187
11	04APR2008 17:46:06	0 0	O U	1 1	-30.0251 -30.0251	-11.9355 -11.9355	0.00000 0.00000	0.00997426 0.00997426
12	04APR2008 17:46:44	0 0	D E	1 1	-30.2865 -30.2865	-15.0000 -15.0000	21.7058 21.7058	0.0102073 0.0102073
13	04APR2008 19:25:21	0 0	O U	1 1	-29.9697 -29.9697	-12.5748 -12.5748	0.00000 0.00000	0.00986364 0.00986364
14	04APR2008 19:27:20	0 0	D A	0 0	-1.99887 -1.99887	-11.2550 -11.2550	21.7059 21.7059	0.0102089 0.0102089
15	04APR2008 21:05:57	0 0	O U	1 1	-30.1626 -30.1626	-11.7791 -11.7791	0.00000 0.00000	0.0100265 0.0100265
16	04APR2008 22:46:32	0 0	O U	1 1	-30.1696 -30.1696	-11.7788 -11.7788	0.00000 0.00000	0.0100279 0.0100279

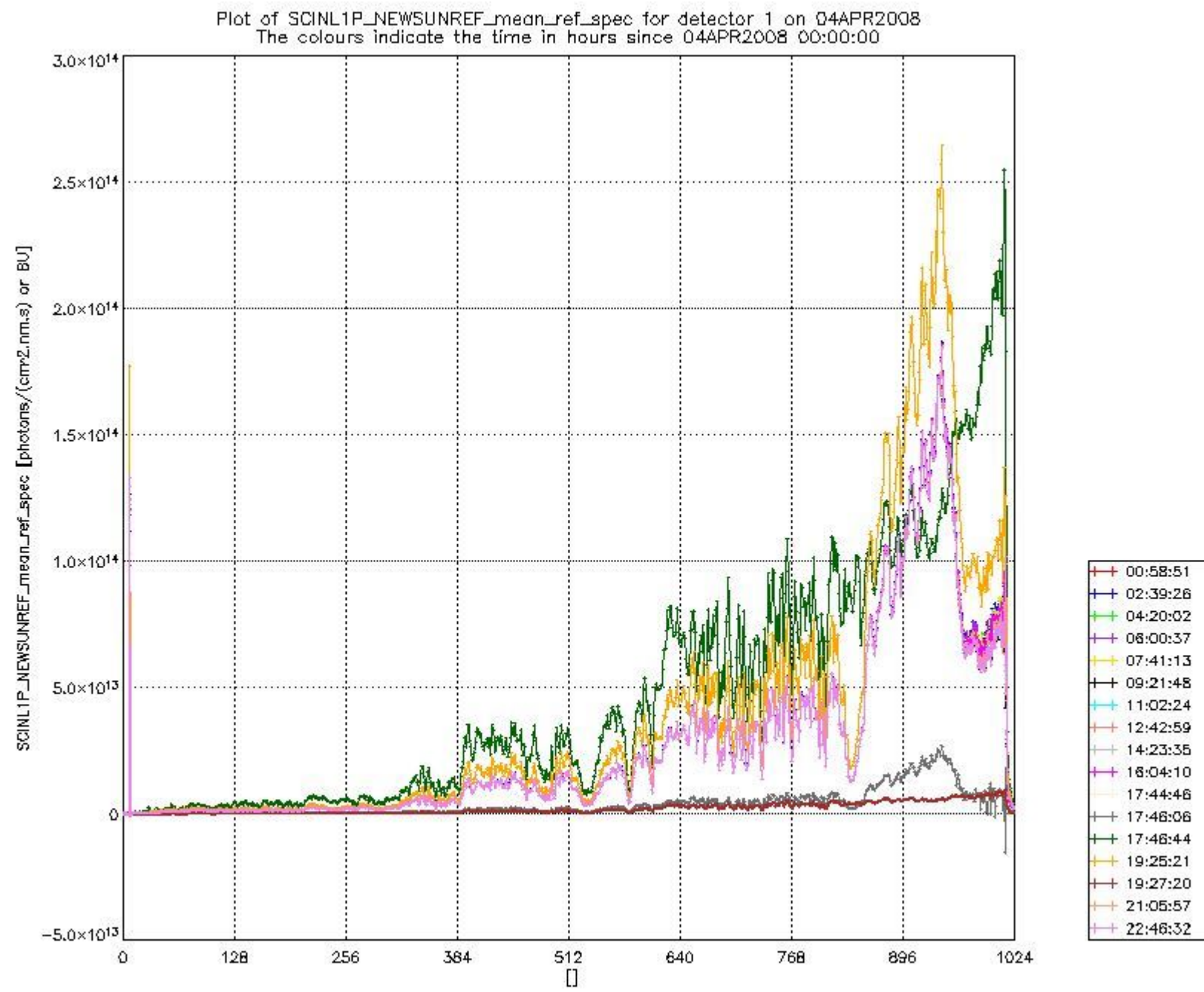
Plot of SCINL1P_NEWSUNREF_mean_pmd versus time

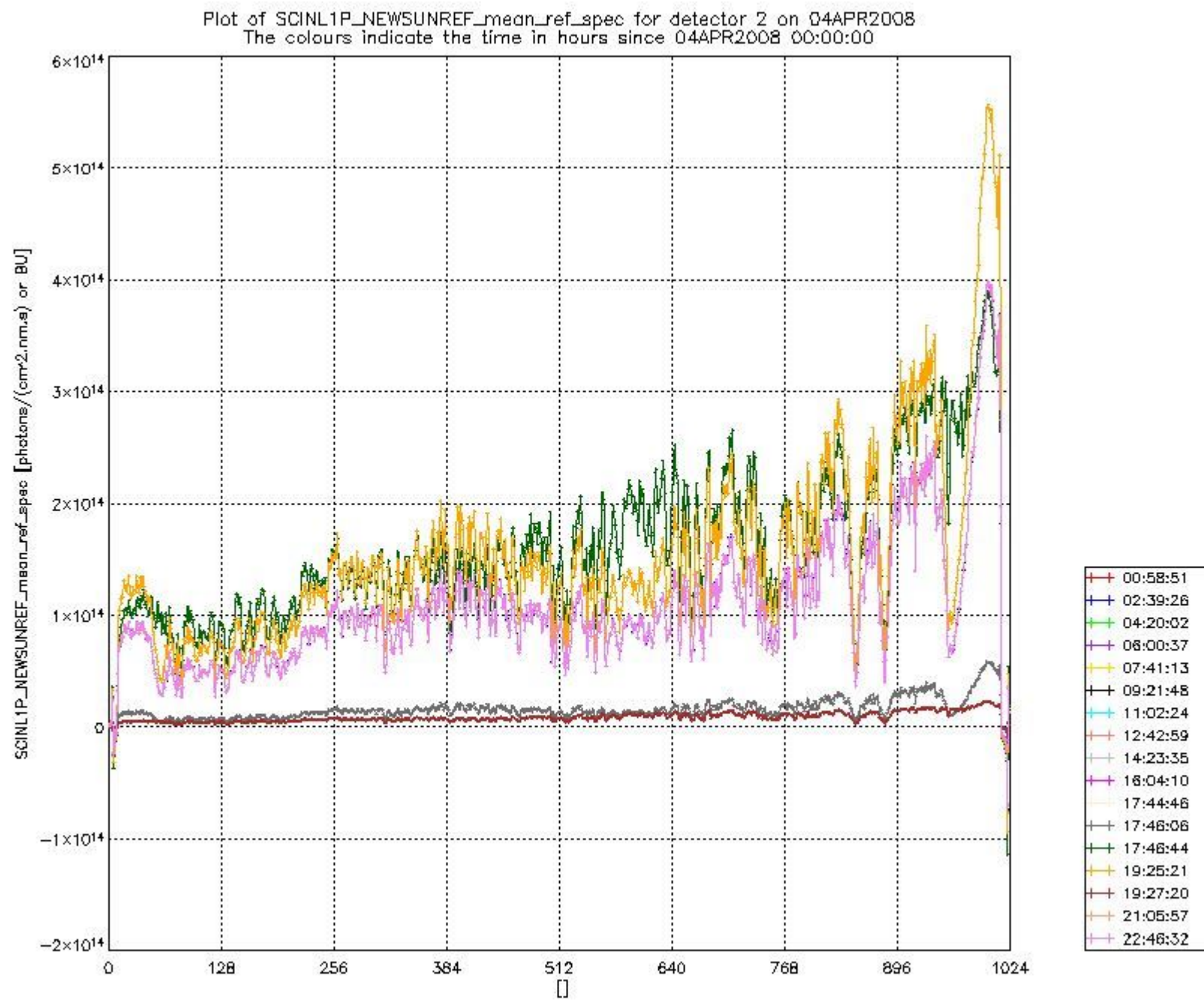


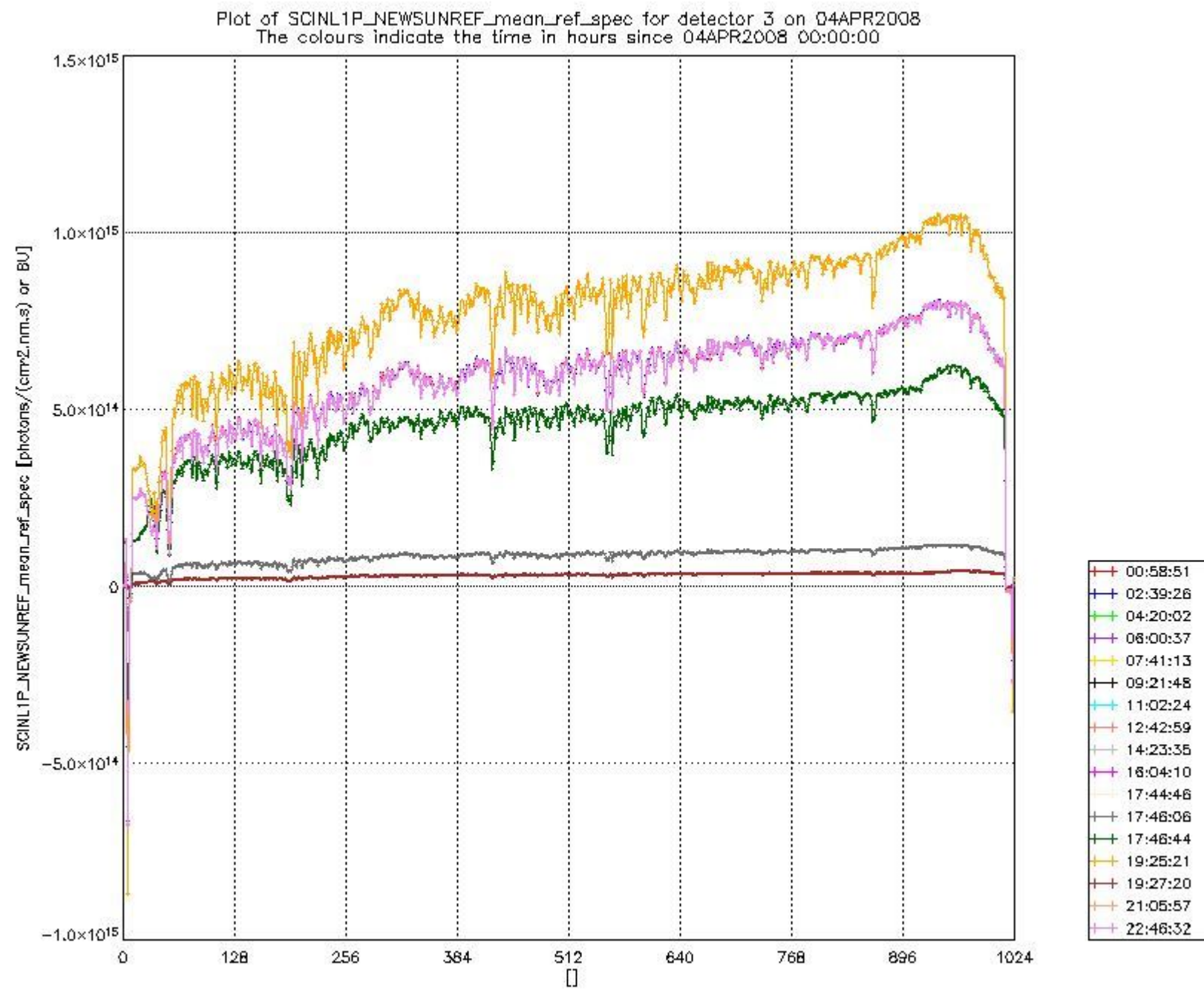
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_31.PNG

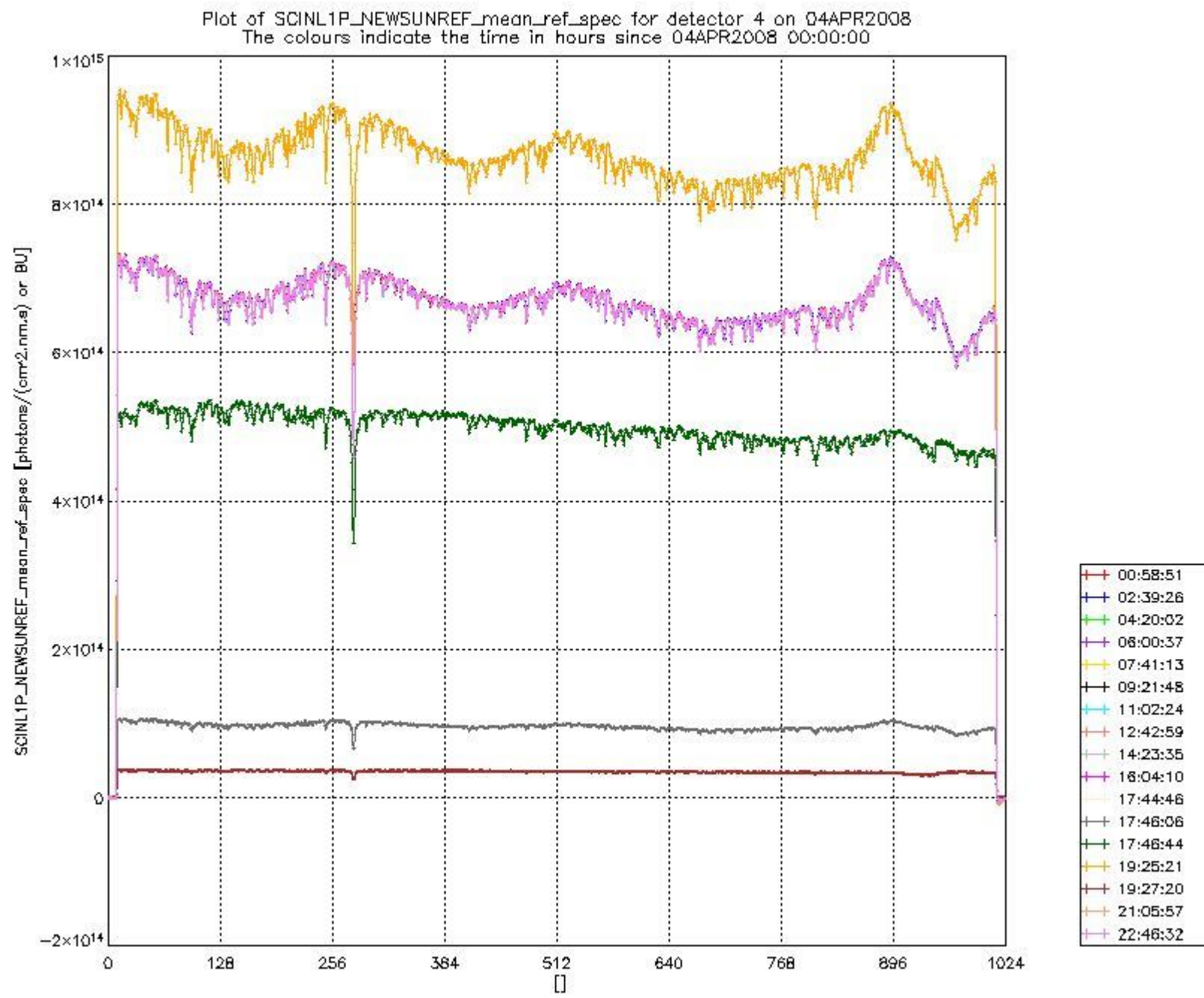
Plot of SCINL1P_NEWSUNREF_pmd_out versus time

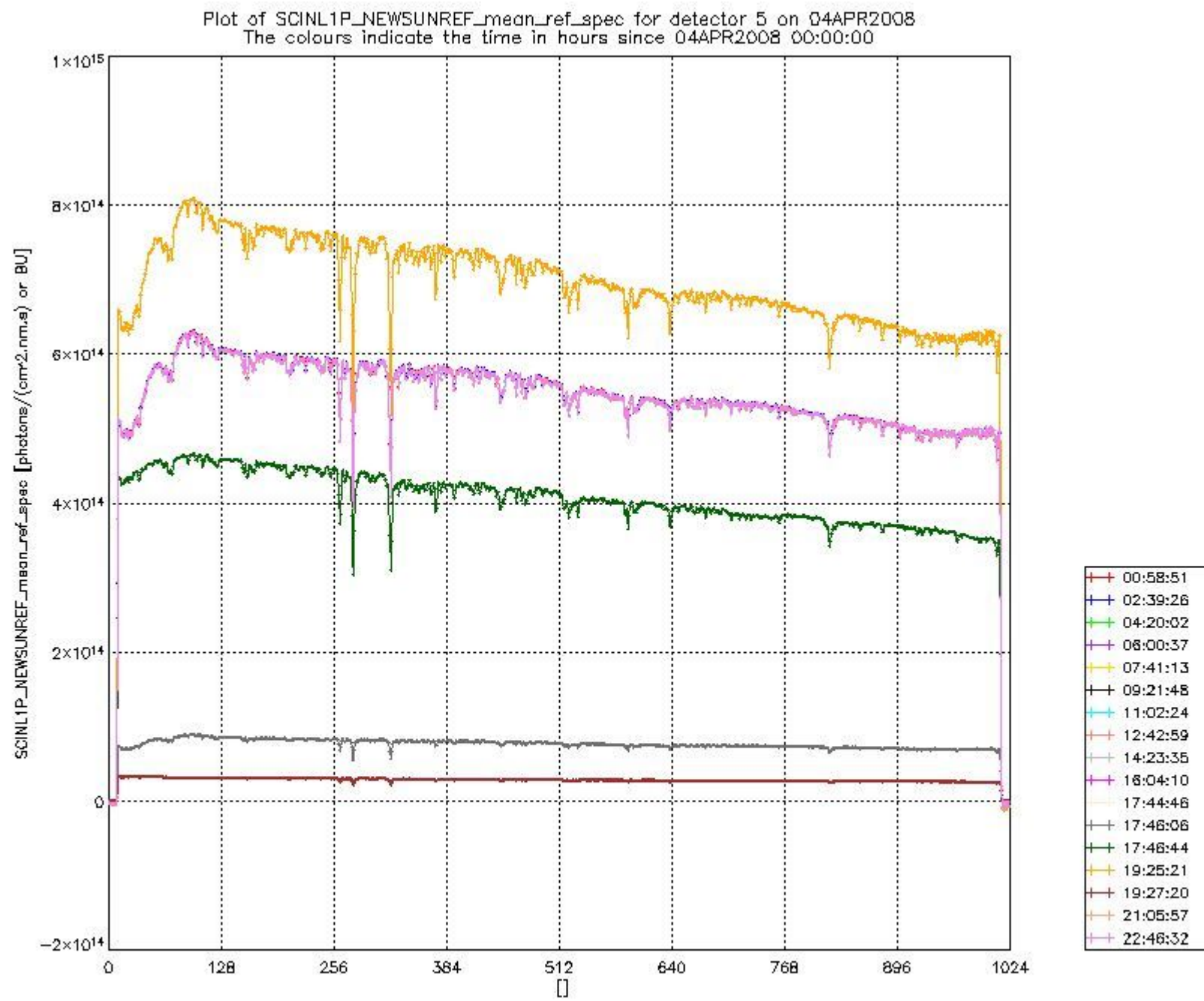


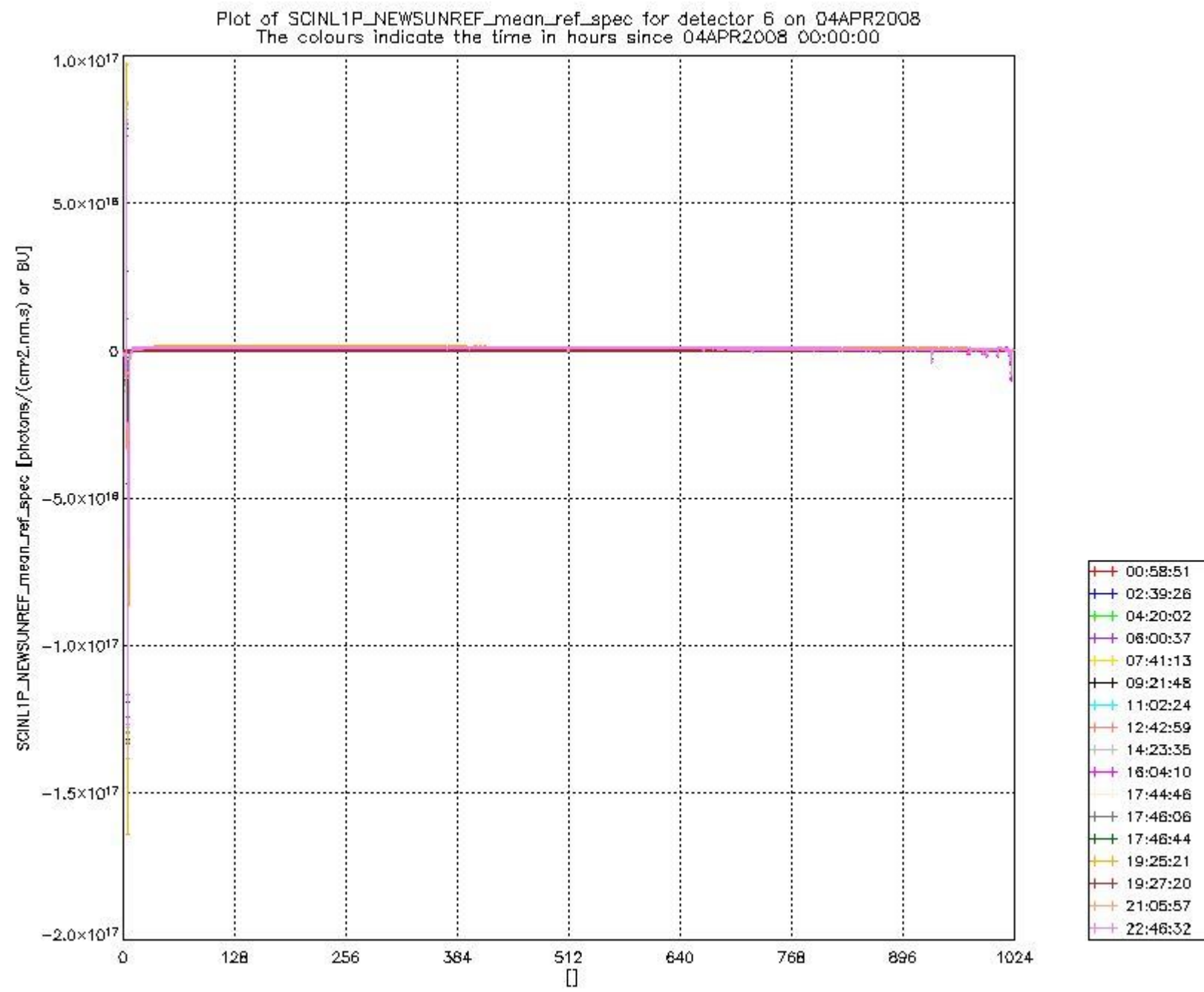


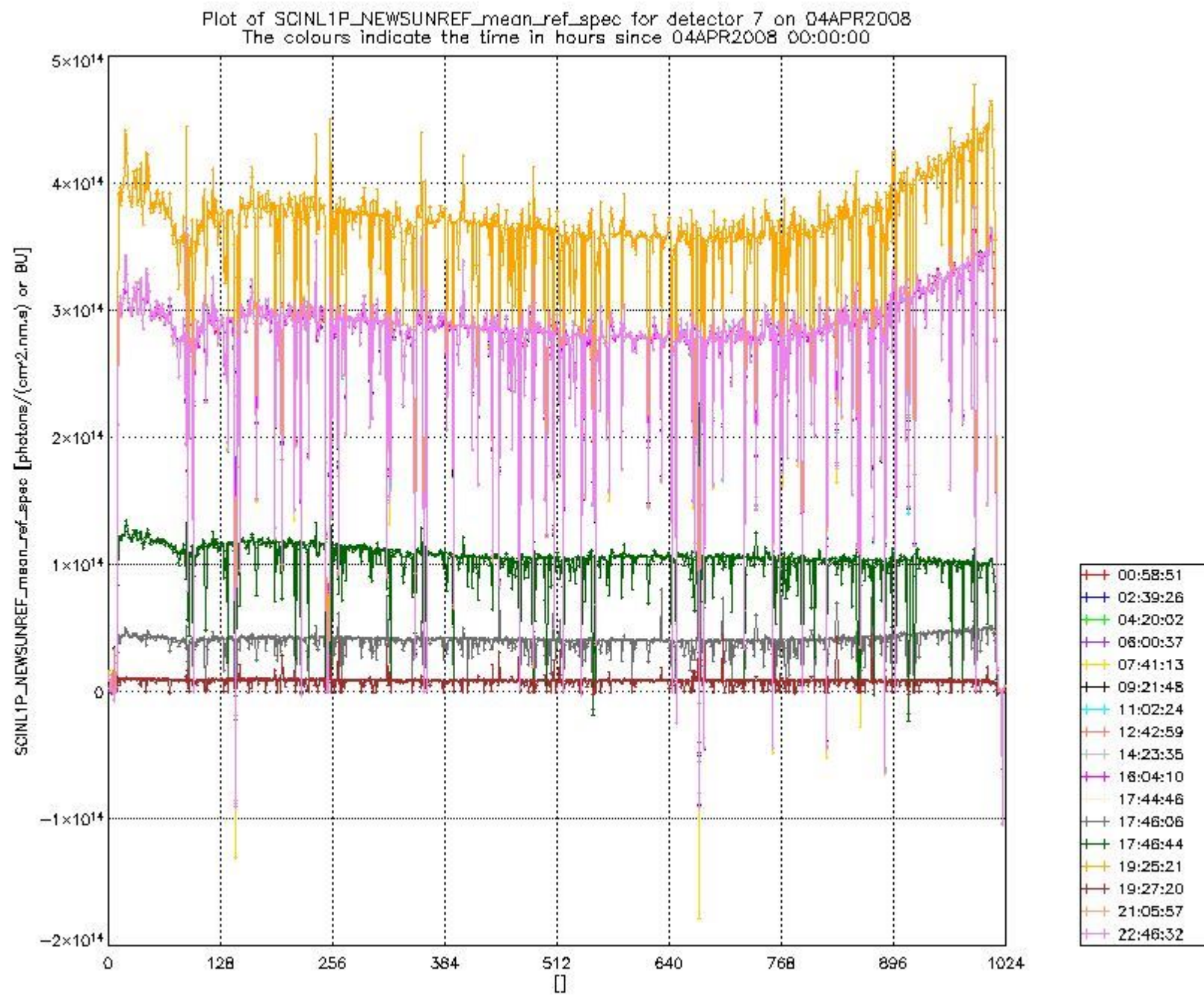


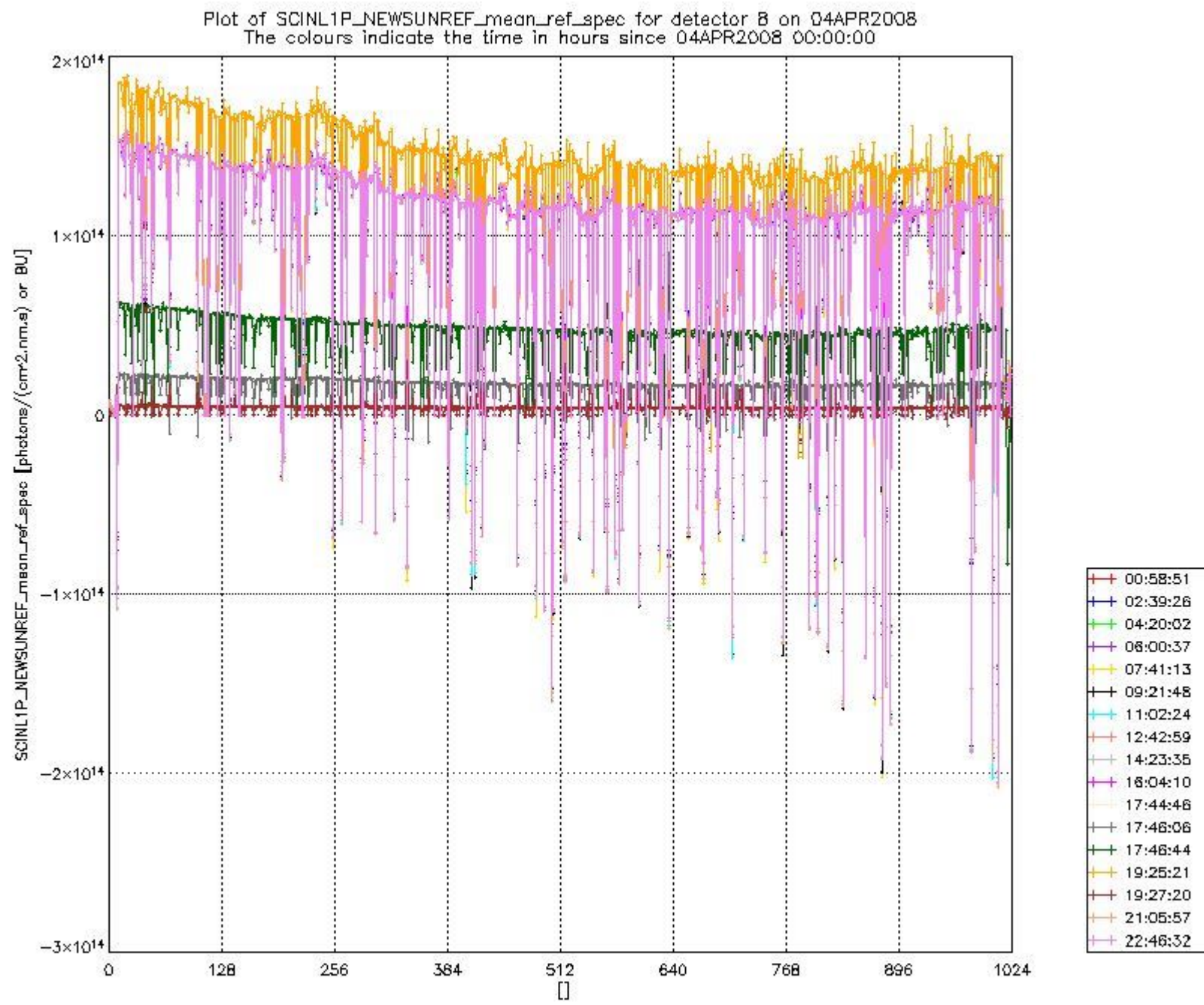




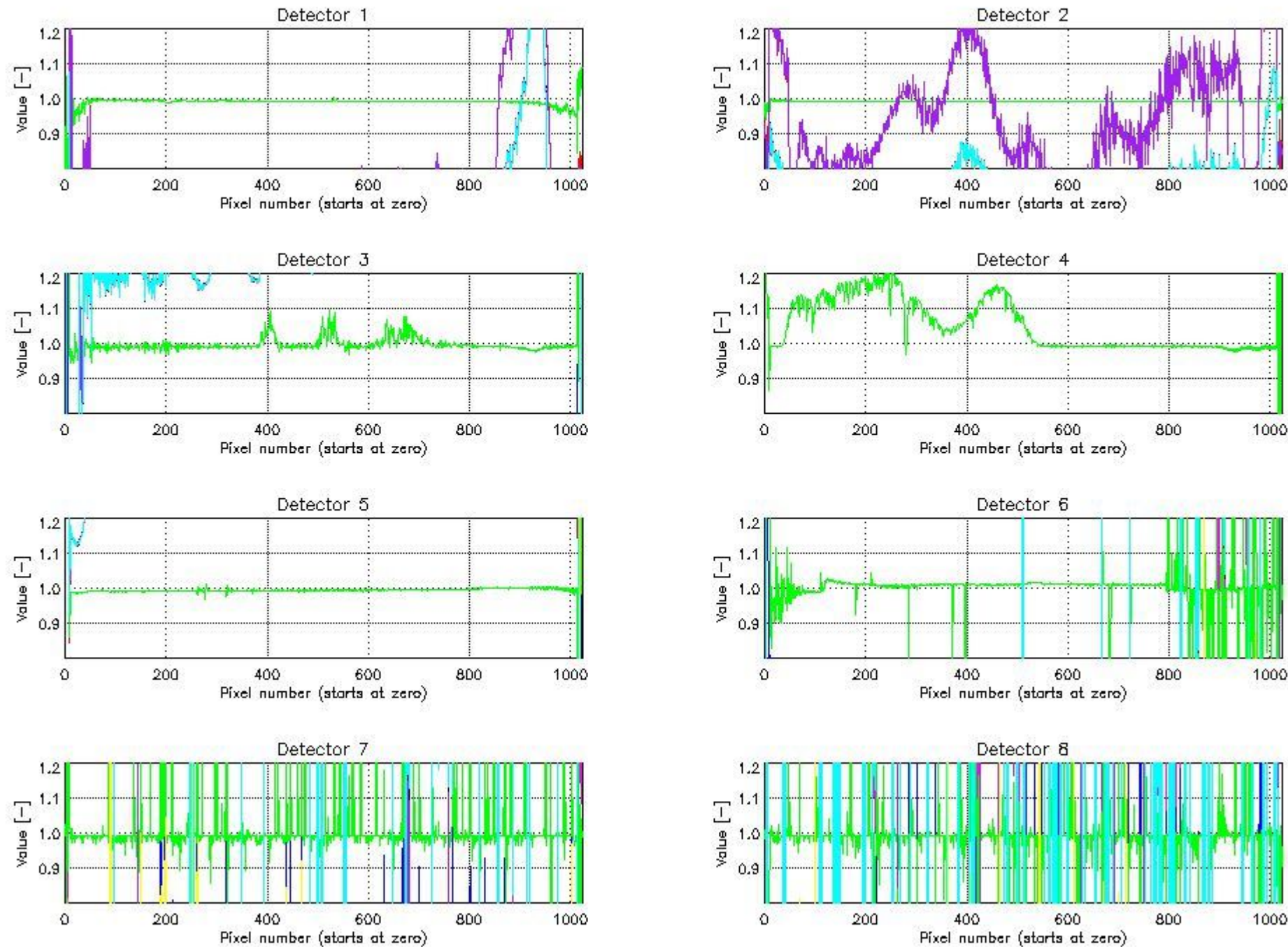








Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCI_SU1_AXVIEC20080403_063528_20080331_181437_20080415_195608



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_41.PNG

1.2.5 PPG and Etalon parameters

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

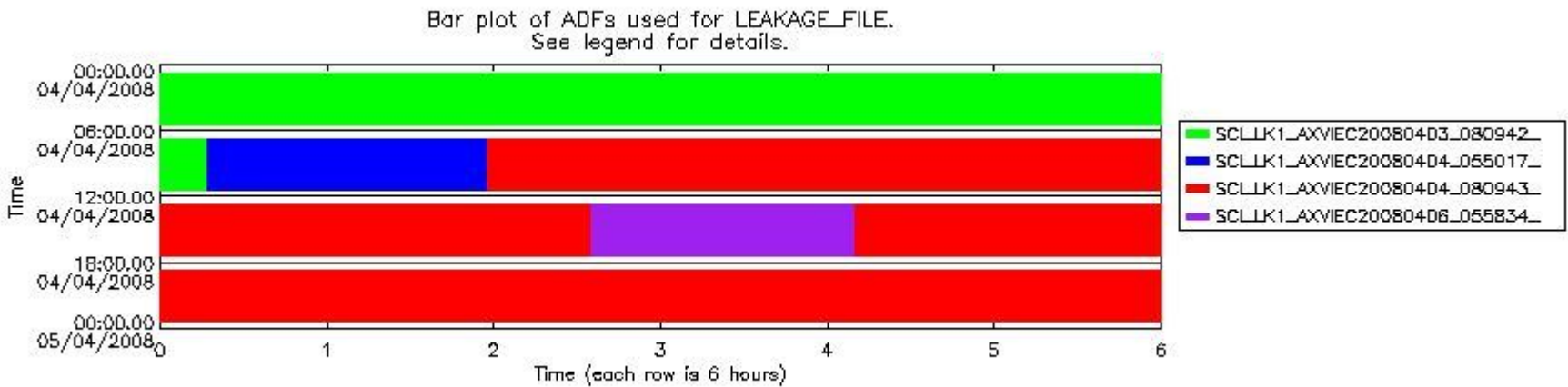
1.3 ADF monitoring

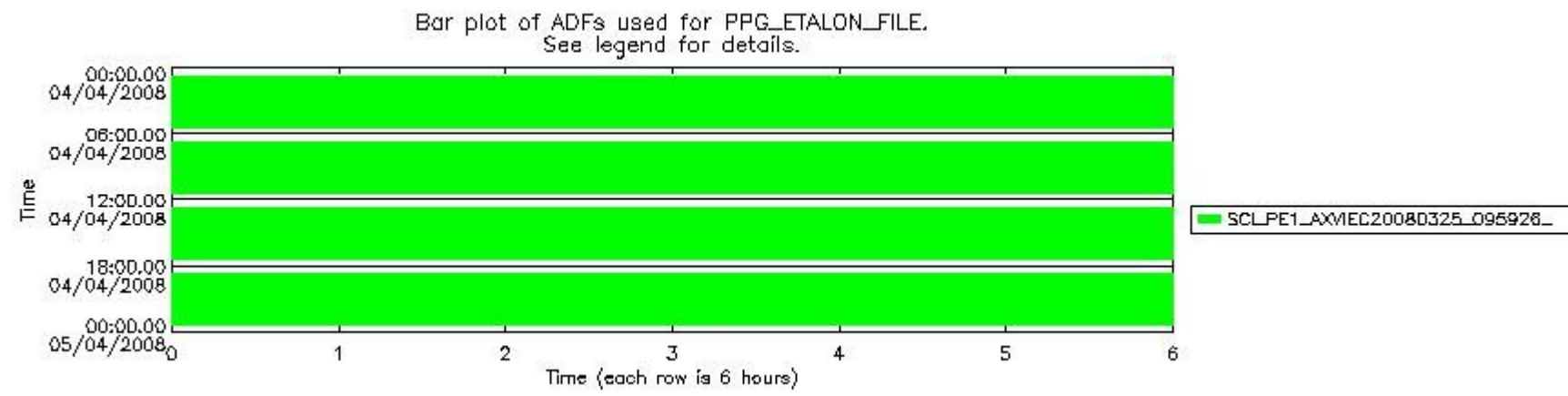
This section shows the (variation in) ADFs used for each of the products. It consists of:

- 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.

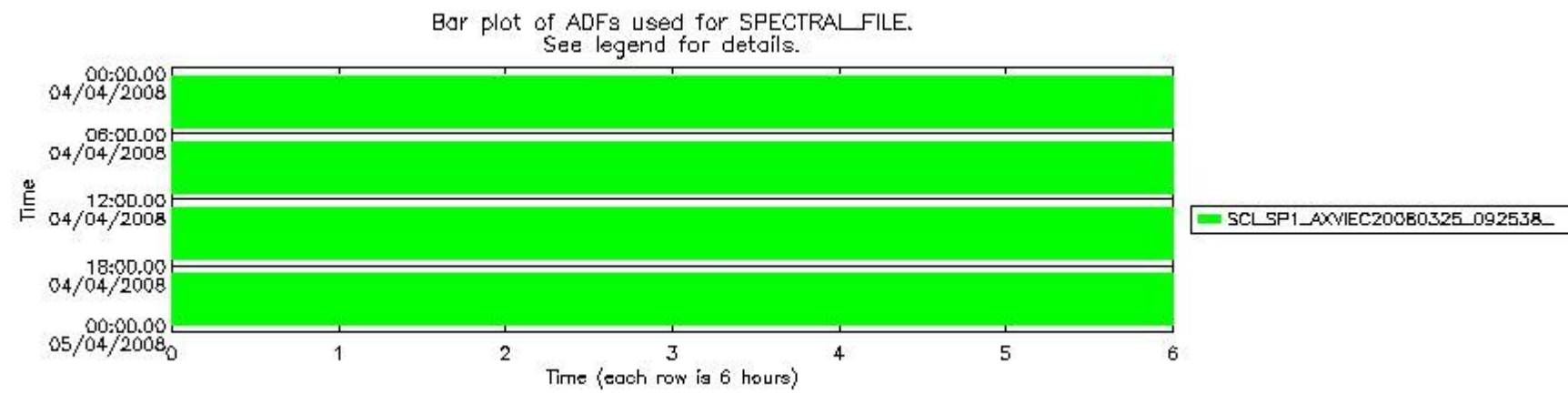
No new ADFs available

Number	ADF
	LK1 (LEAKAGE_FILE)
0	SCI_LK1_AXVIEC20080403_080942_20080331_181437_20080530_195608
1	SCI_LK1_AXVIEC20080404_055017_20080401_060942_20080531_075414
2	SCI_LK1_AXVIEC20080404_080943_20080401_160457_20080531_174422
3	SCI_LK1_AXVIEC20080406_055834_20080403_100858_20080602_114934
	PE1 (PPG_ETALON_FILE)
4	SCI_PE1_AXVIEC20080325_095926_20080320_172212_20990101_000000
	SP1 (SPECTRAL_FILE)
5	SCI_SP1_AXVIEC20080325_092538_20080320_203845_20080618_222427
	SU1 (SUN_REF_FILE)
6	SCI_SU1_AXVIEC20080403_063528_20080331_181437_20080415_195608
7	SCI_SU1_AXVIEC20080404_063453_20080401_160457_20080416_174422
8	SCI_SU1_AXVIEC20080406_030911_20080402_171302_20080417_185338
	KD1 (KEY_DATA_FILE)
9	SCI_KD1_AXVIEC20060523_182626_20020301_000000_20991231_235959
	MF1 (M_FACTOR_FILE)
10	SCI_MF1_AXVIEC20020809_094925_20020206_173831_20991231_235959
	LI1 (INIT_FILE)
11	SCI_LI1_AXVIEC20070628_134108_20020701_000000_20991231_235959
	FRO (ORBIT_FILE)
12	AUX_FRO_AXVPDS20080406_010112_20080402_221000_20080405_005000
13	DOR_NAV_0PNPDE20080403_232427_000057382067_00245_31862_5343.N1
14	DOR_NAV_0PNPDE20080404_010524_000060572067_00246_31863_5344.N1
15	DOR_NAV_0PNPDE20080404_025140_000057382067_00247_31864_5345.N1
16	DOR_NAV_0PNPDE20080404_043237_000057382067_00248_31865_5346.N1
17	DOR_NAV_0PNPDE20080404_225227_000057382067_00259_31876_5347.N1
18	DOR_NAV_0PNPDK20080404_075431_000057382067_00250_31867_6494.N1
19	DOR_NAV_0PNPDK20080404_093528_000057382067_00251_31868_6495.N1
20	DOR_NAV_0PNPDK20080404_111625_000054192067_00252_31869_6496.N1
21	DOR_NAV_0PNPDK20080404_125204_000057382067_00253_31870_6497.N1
22	DOR_NAV_0PNPDK20080404_160839_000057382067_00255_31872_6499.N1
23	DOR_NAV_0PNPDK20080404_174936_000054192067_00256_31873_6500.N1
24	DOR_NAV_0PNPDK20080404_192514_000057382067_00257_31874_6501.N1
25	DOR_NAV_0PNPDK20080404_210611_000060572067_00258_31875_6502.N1
	ATT (ATTITUDE_FILE)
26	NOT USED

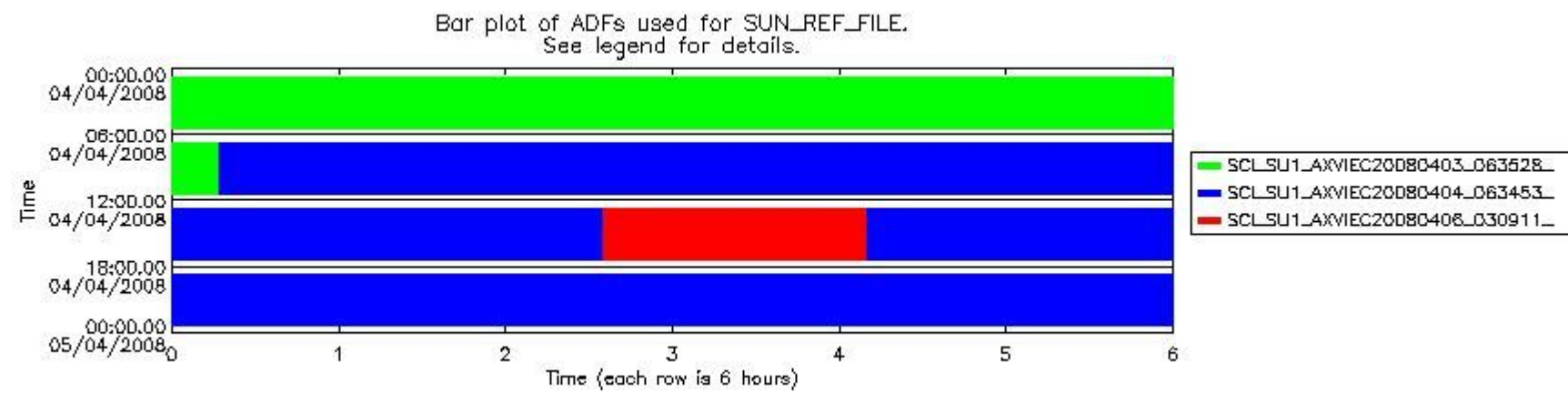




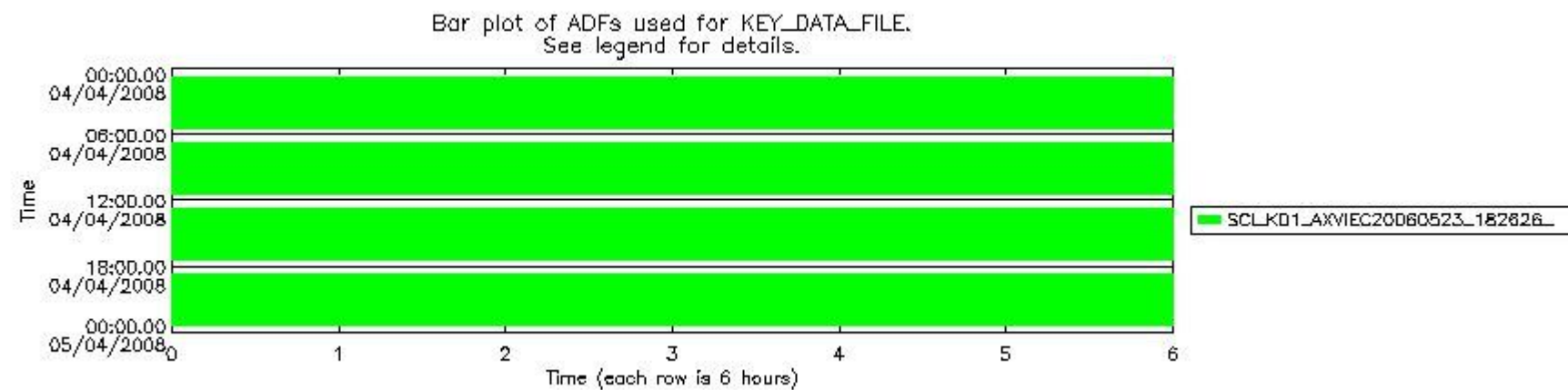
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_43.PNG



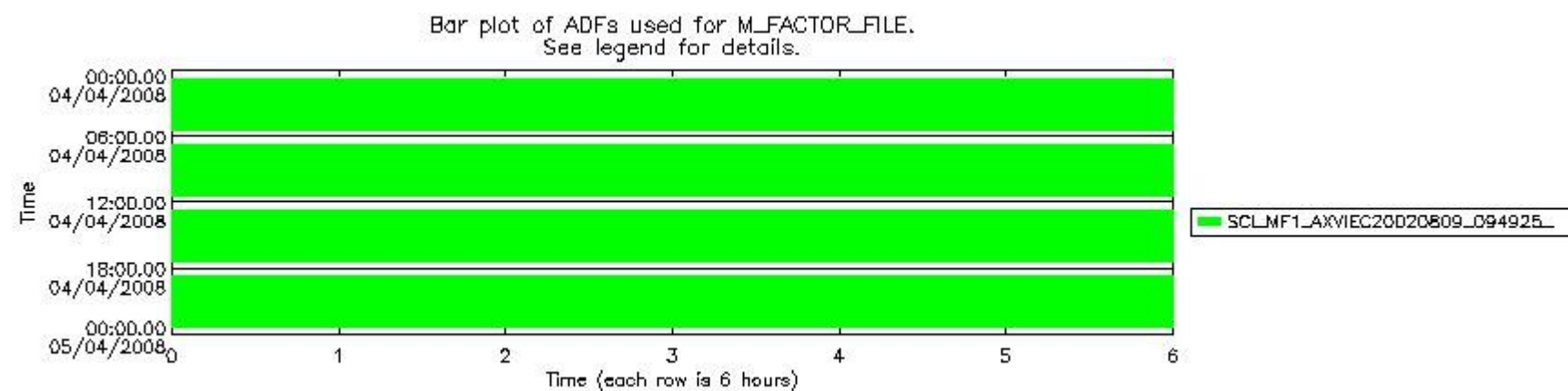
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_44.PNG



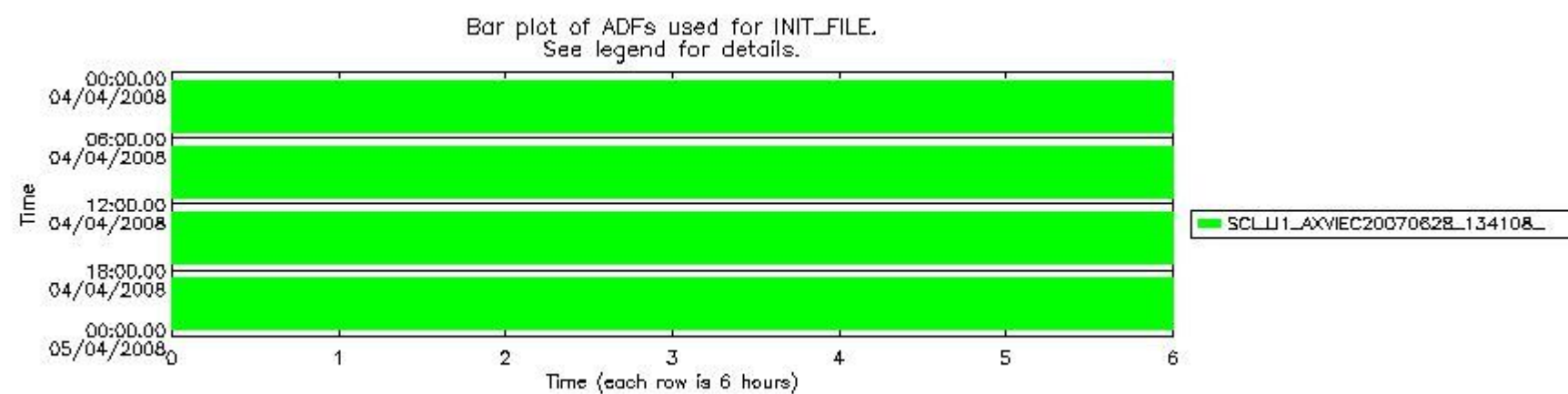
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_45.PNG



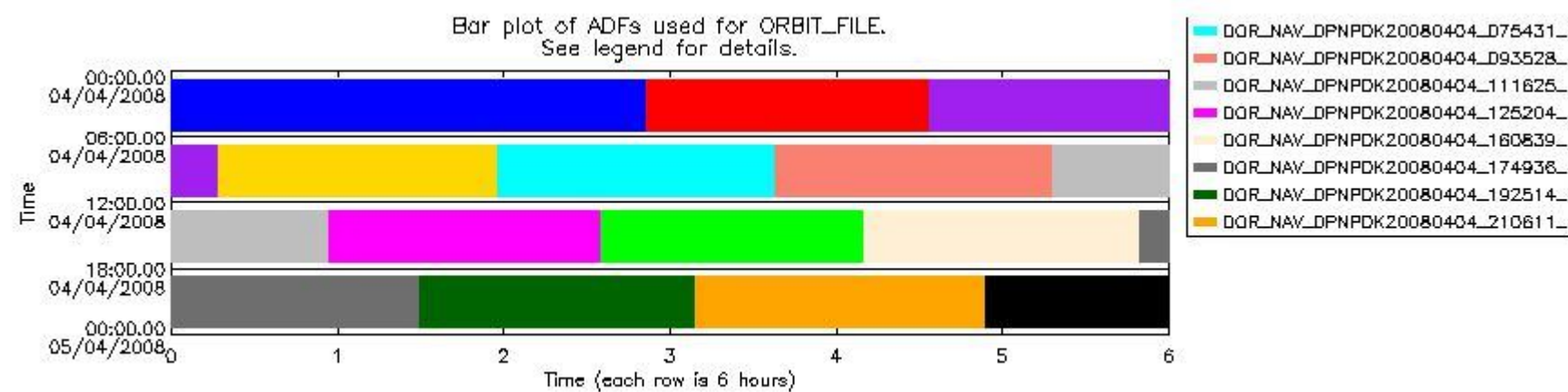
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_46.PNG



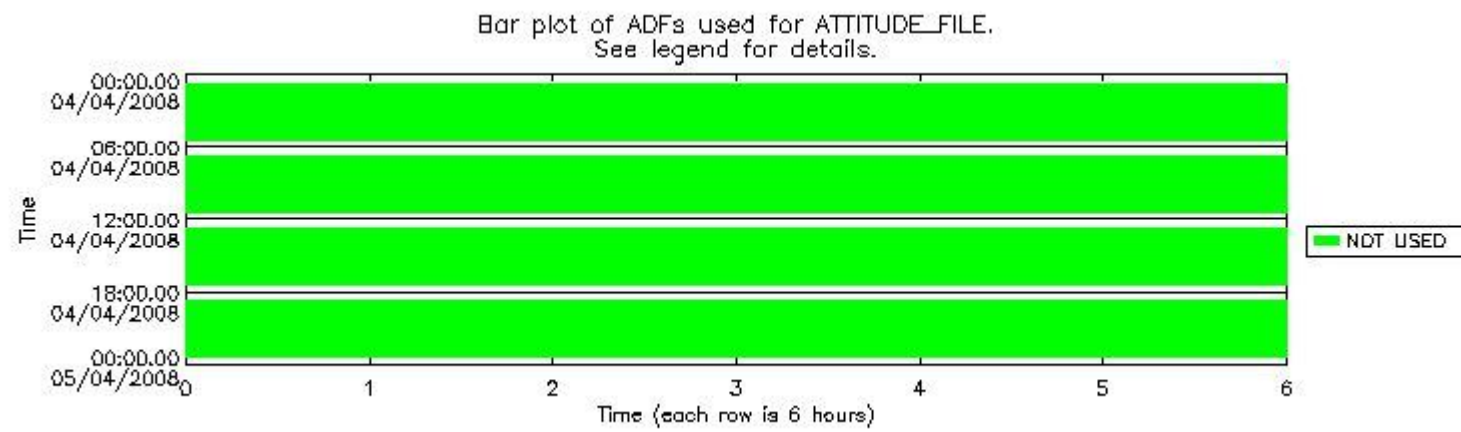
sciamachy_daily_report_level1_SCIA_6_03_N_20080404_47.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_48.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080404_49.PNG

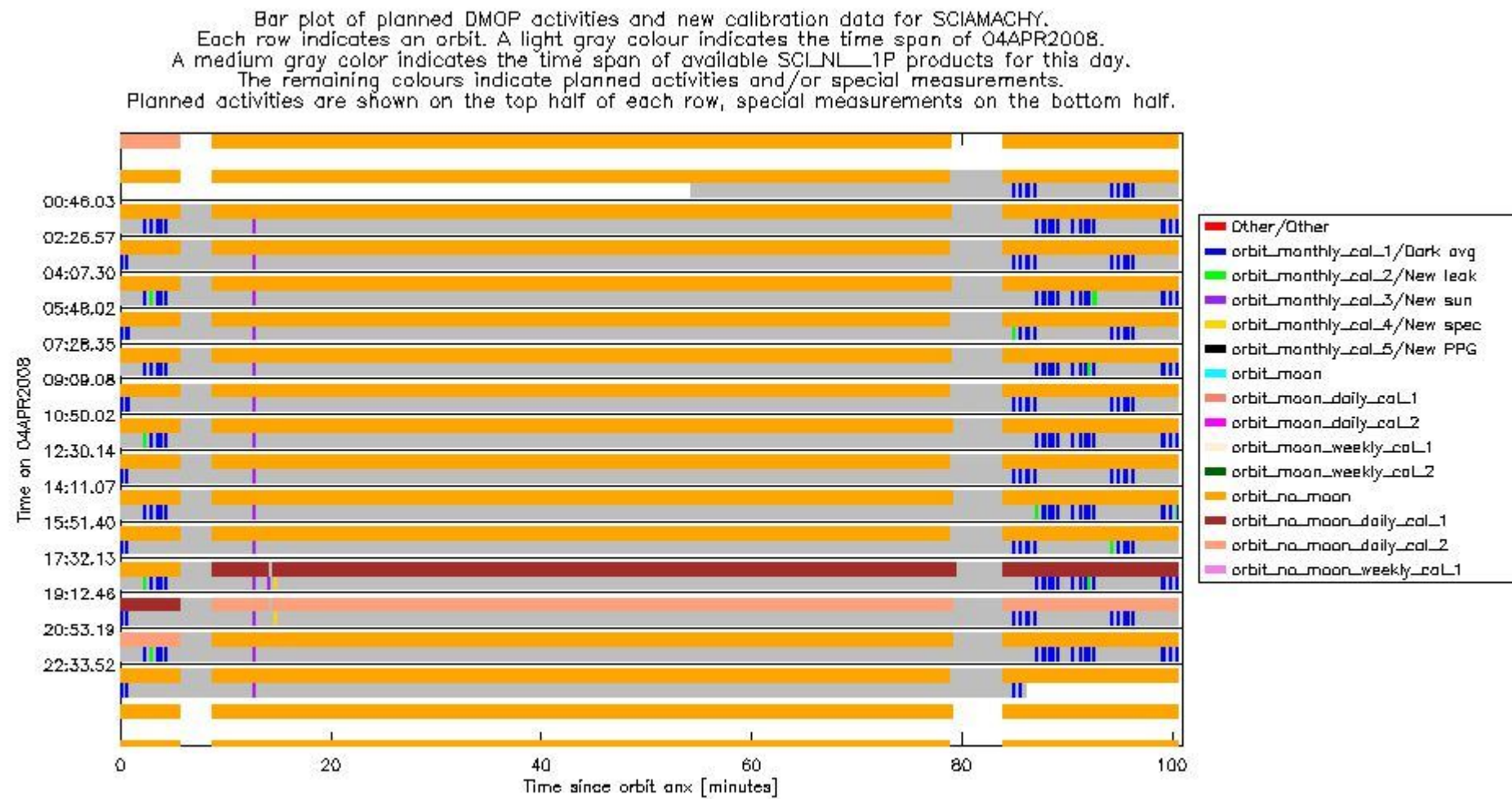


sciamachy_daily_report_level1_SCIA_6_03_N_20080404_50.PNG

1.4 DMOP execution monitoring

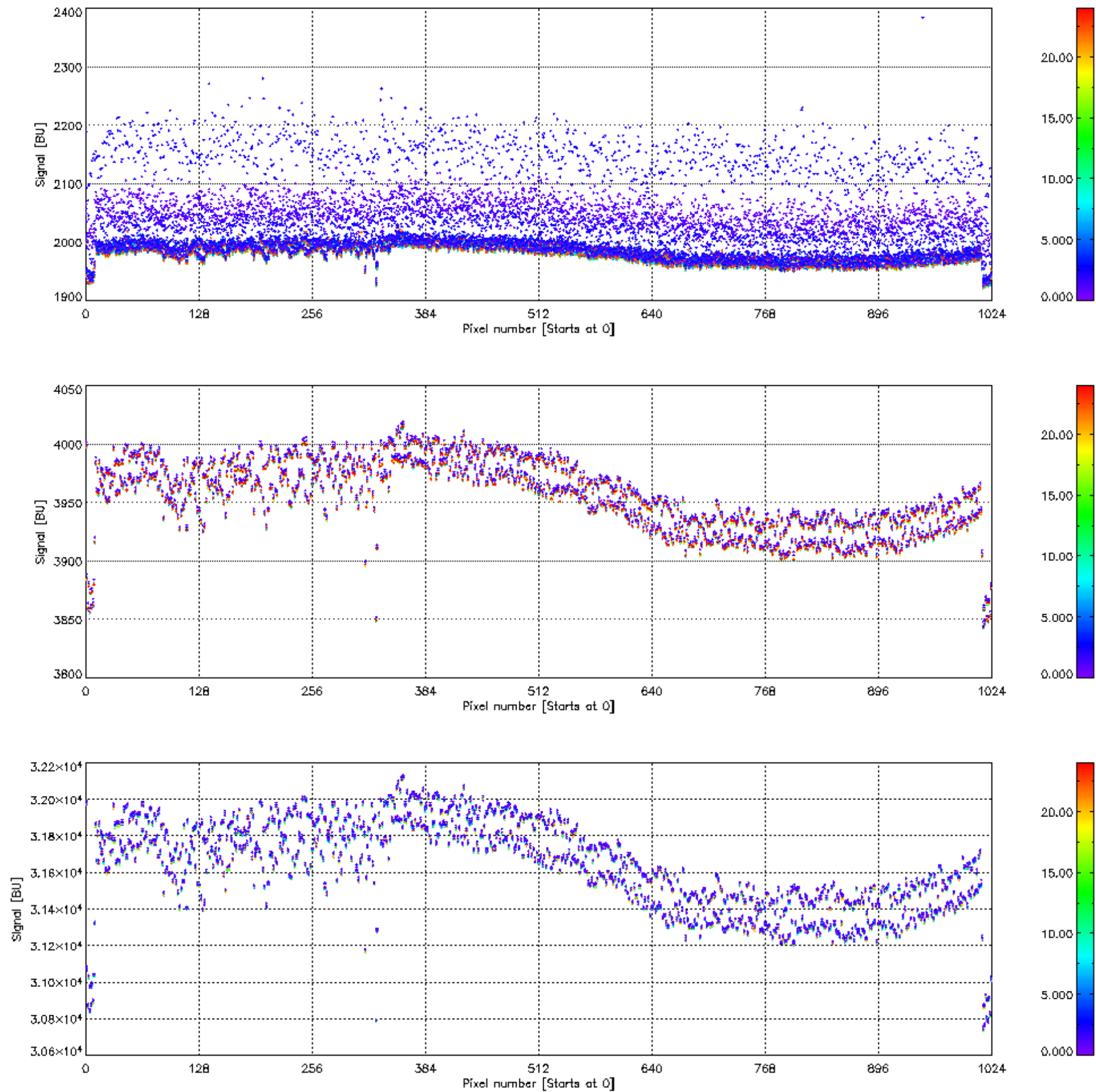
This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

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.

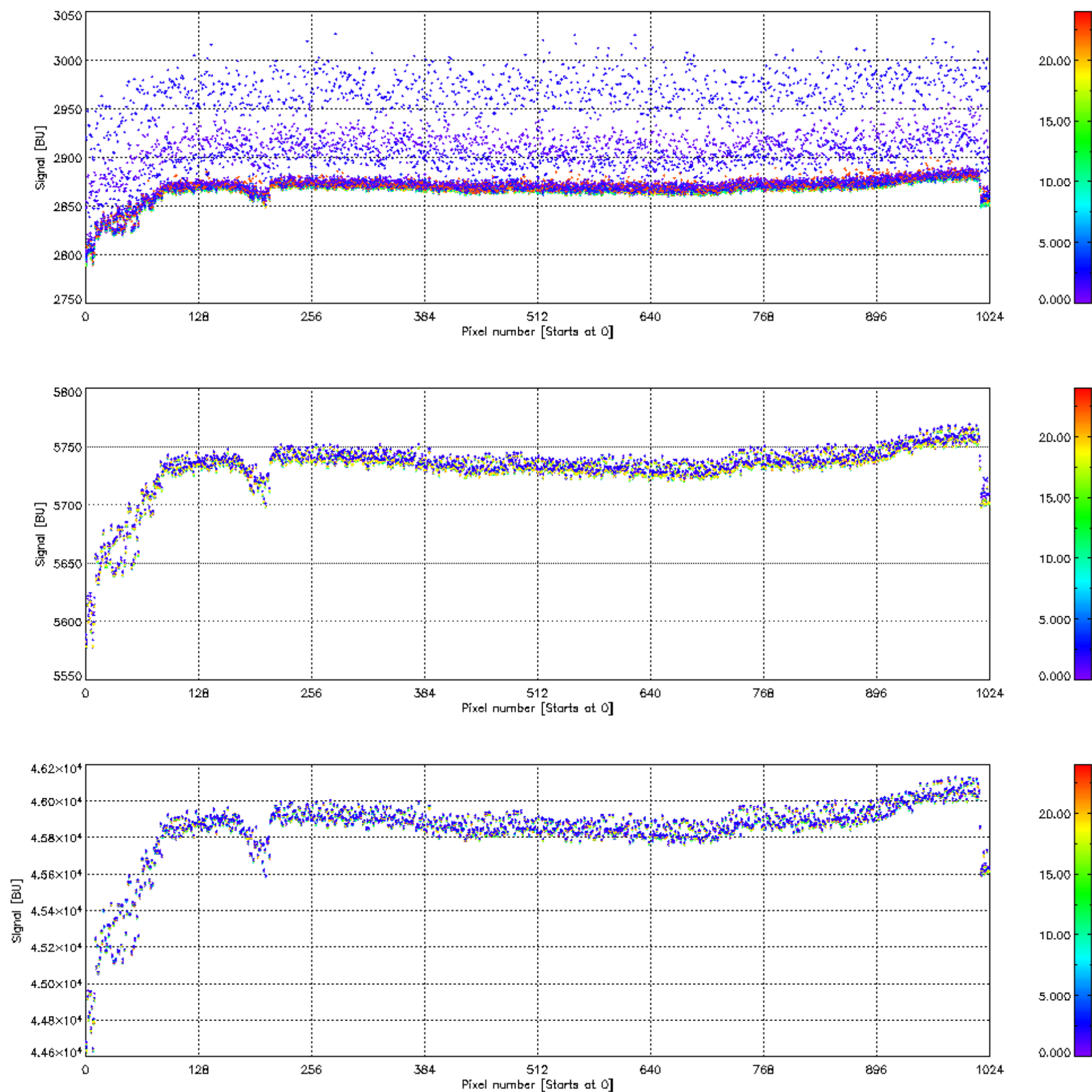


sciamachy_daily_report_level1_SCIA_6_03_N_20080404_51.PNG

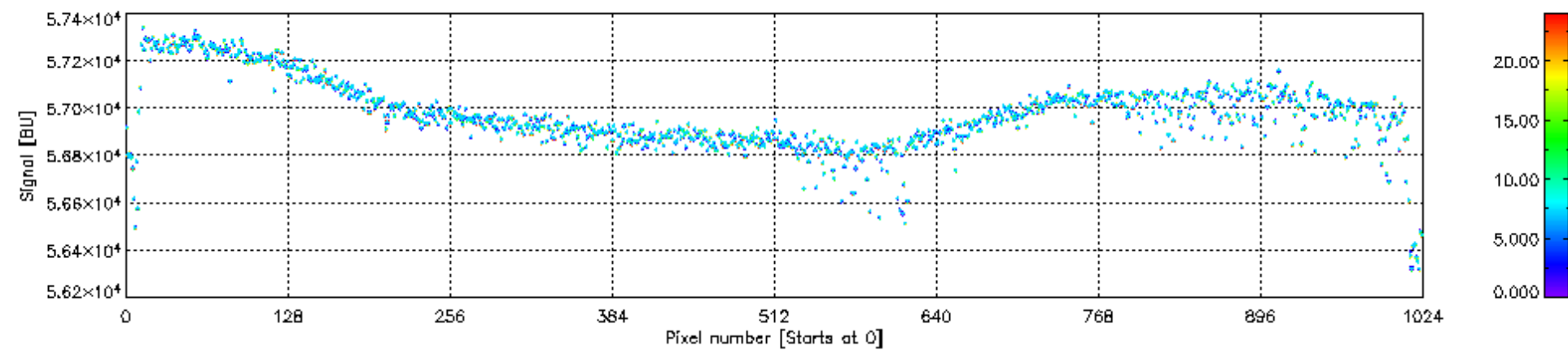
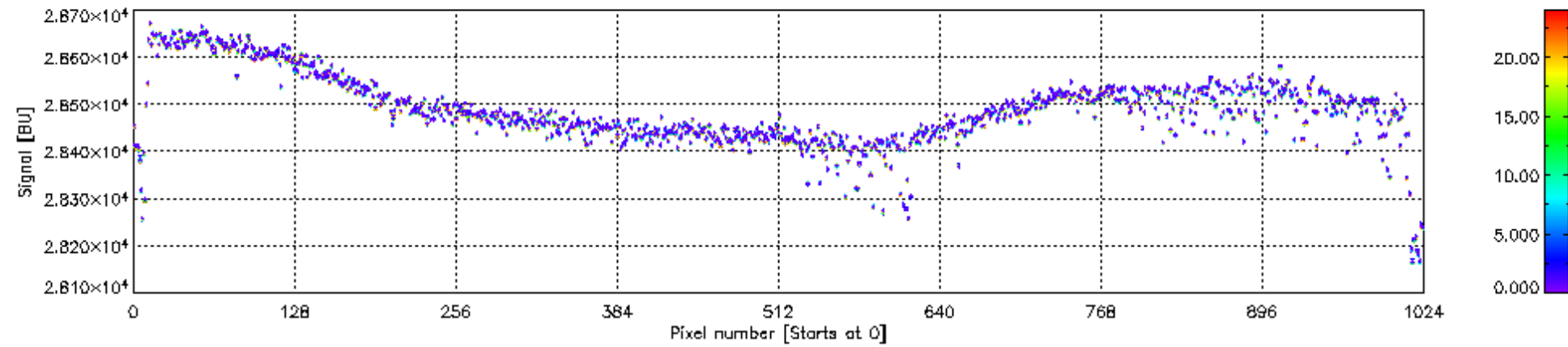
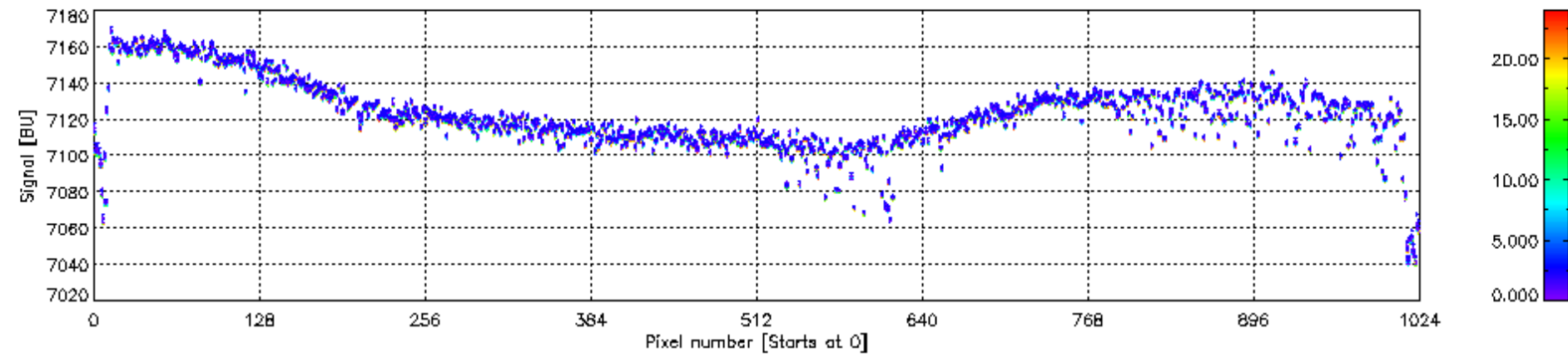
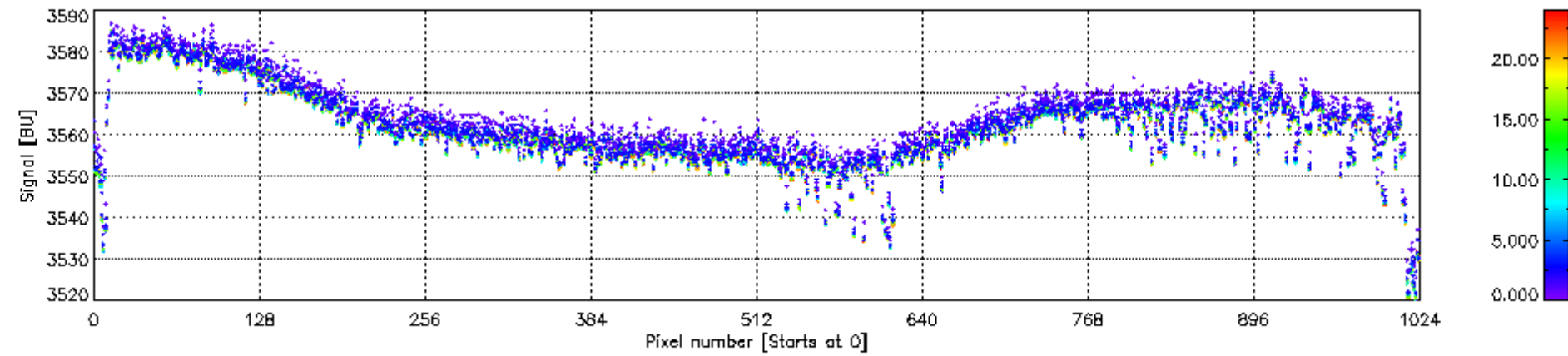
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



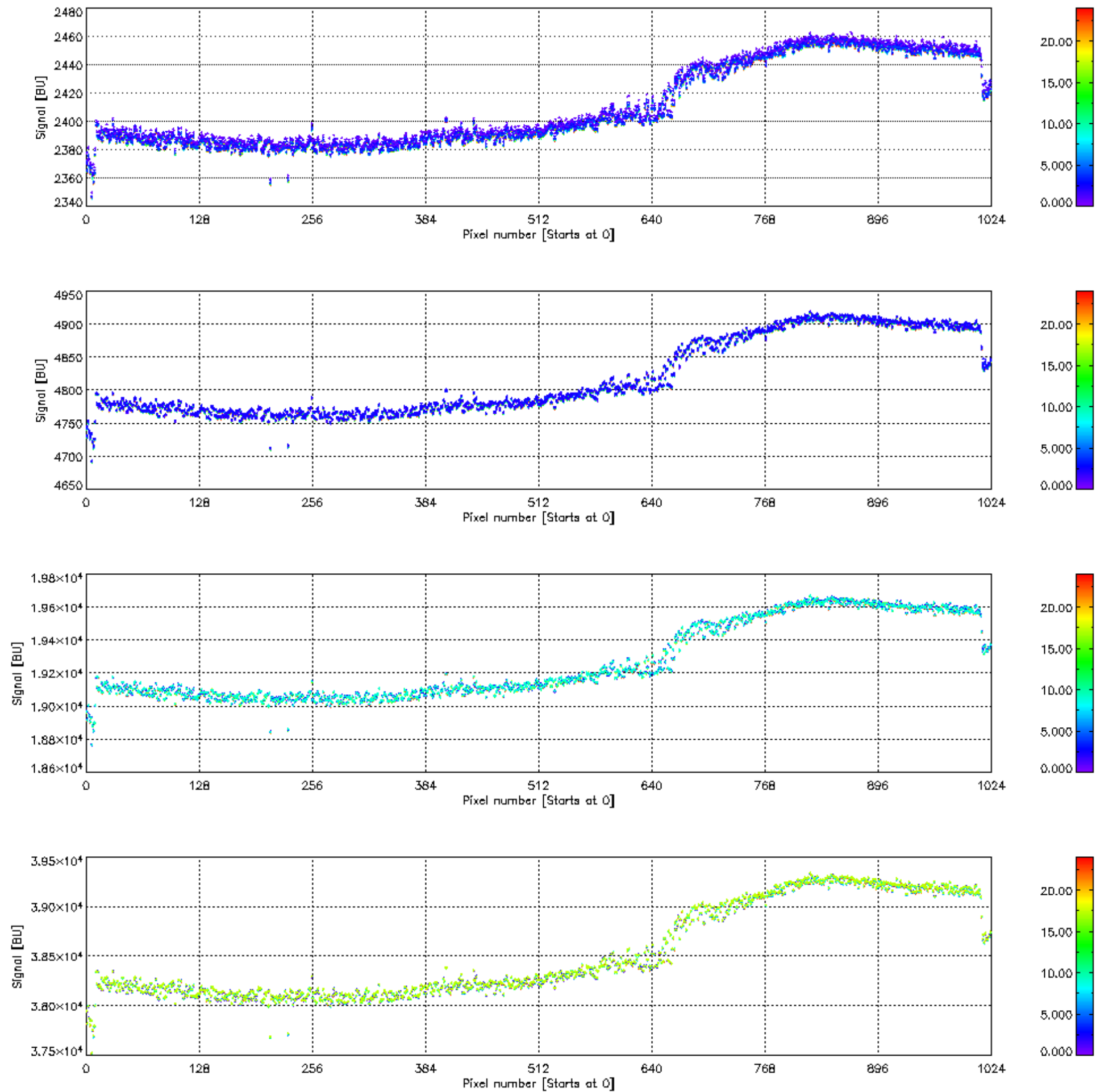
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



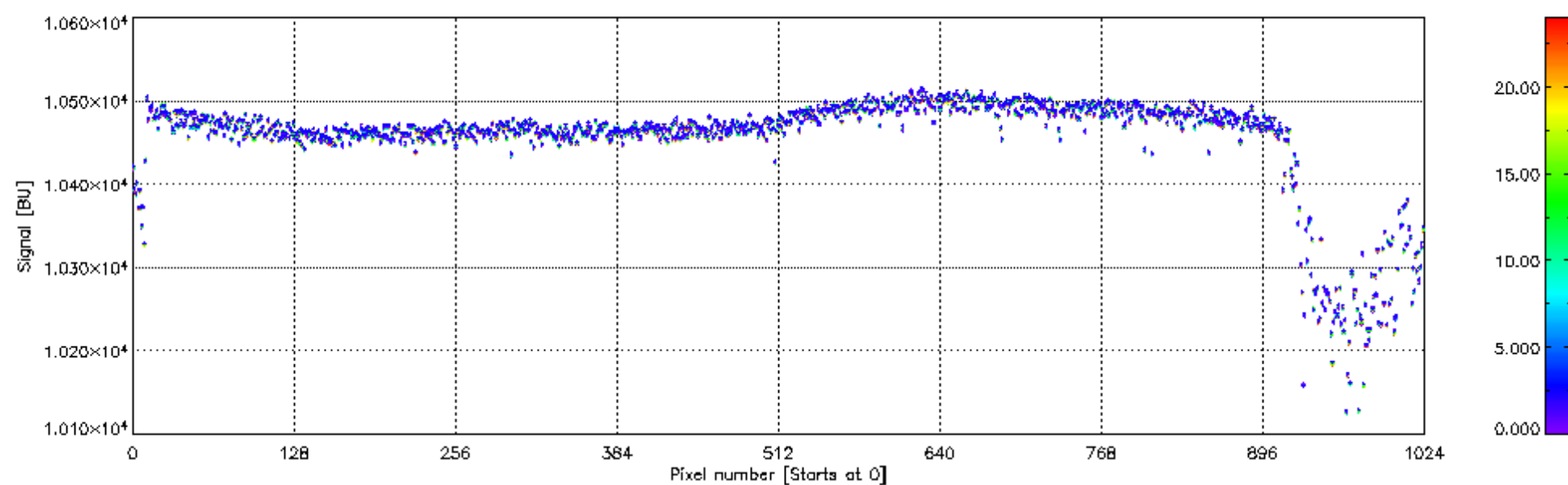
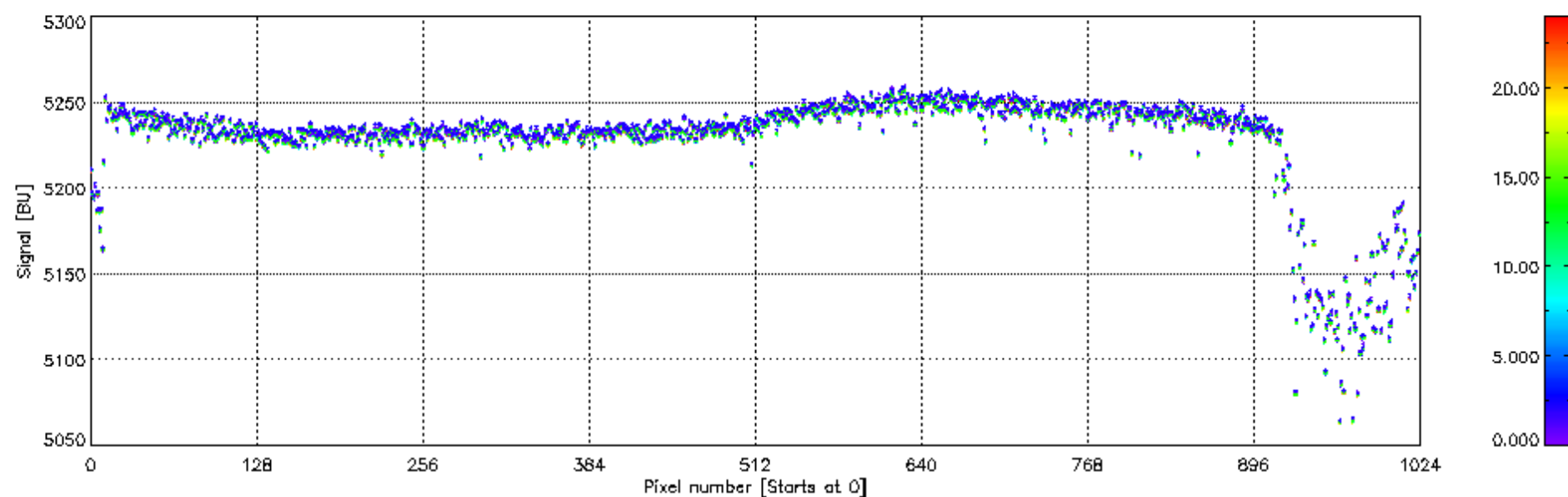
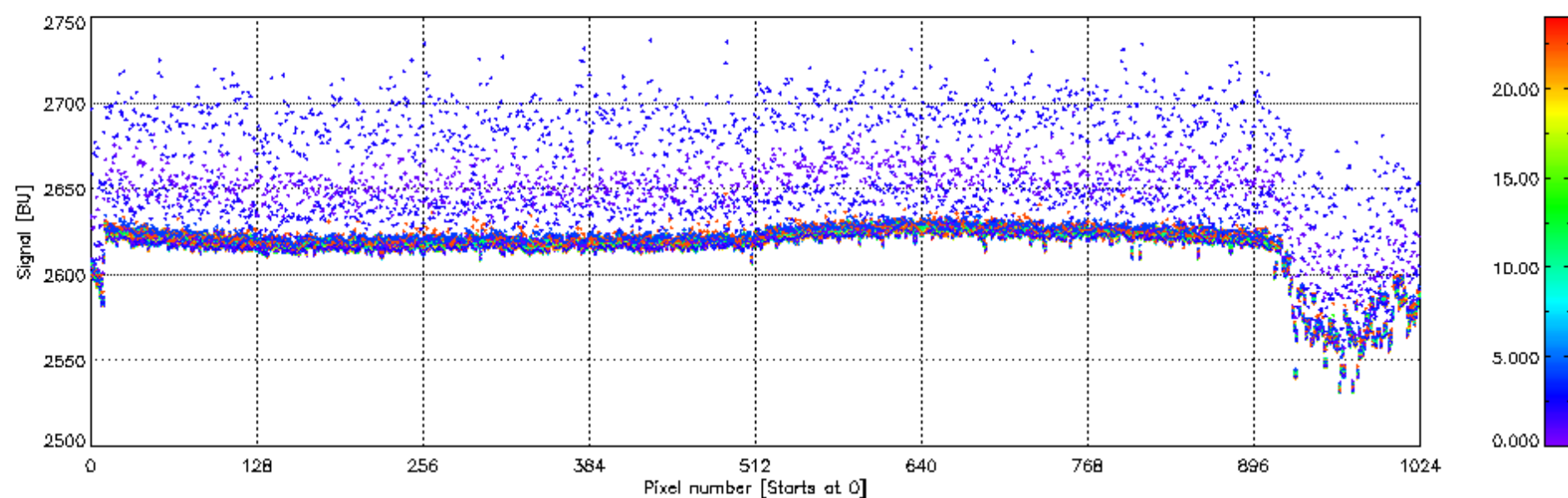
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



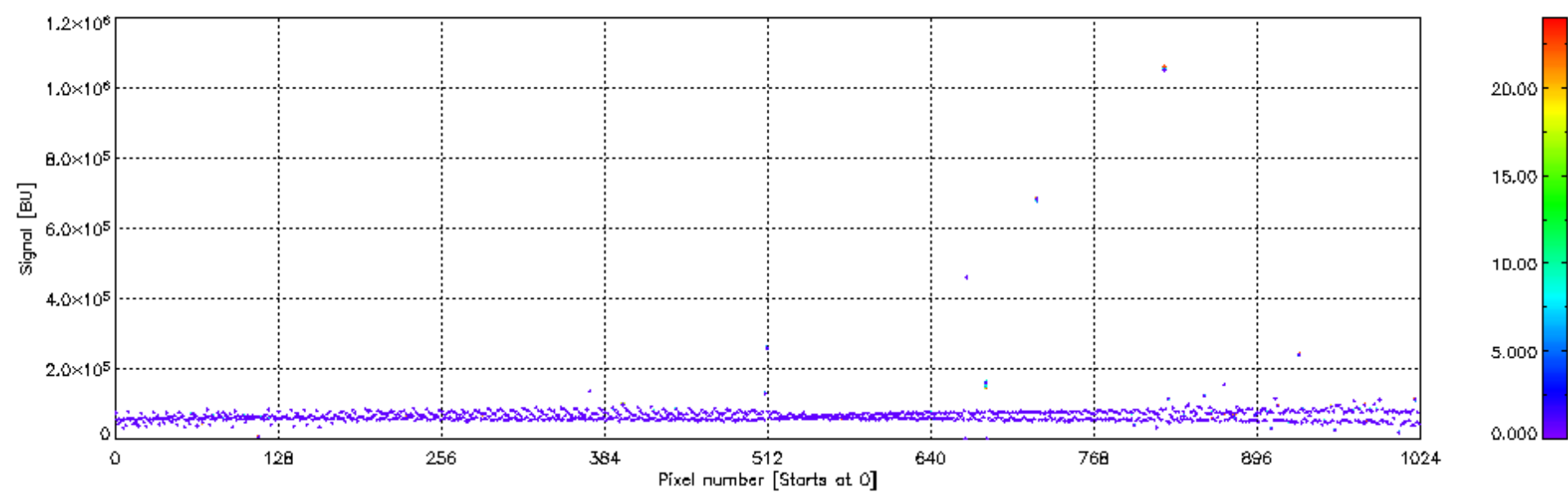
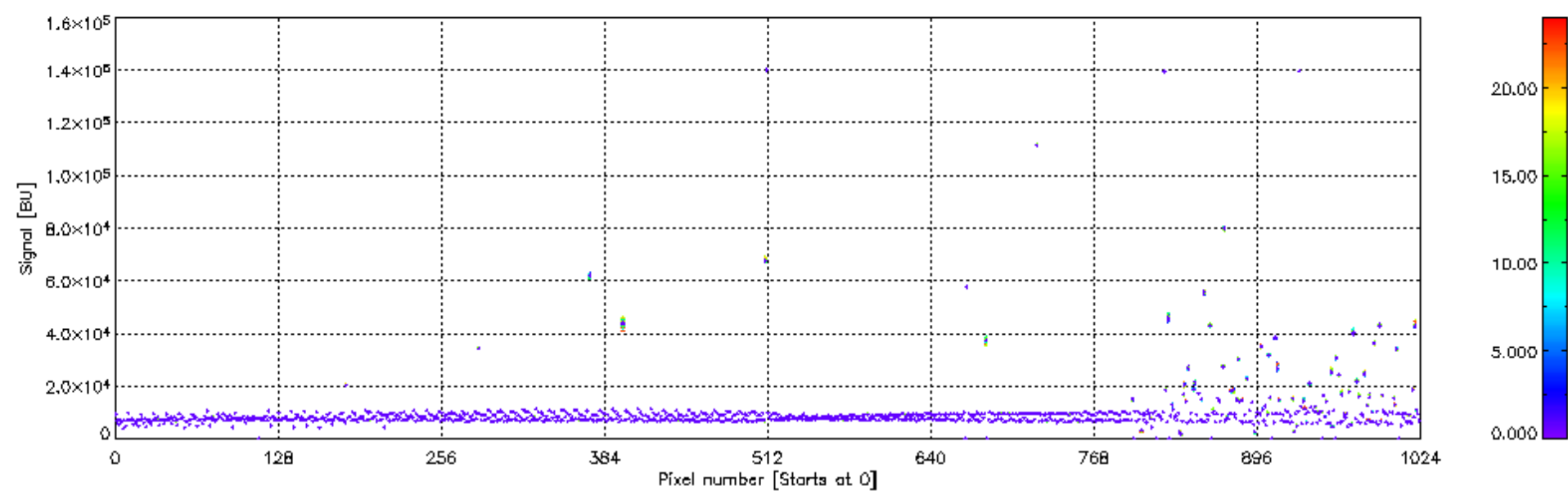
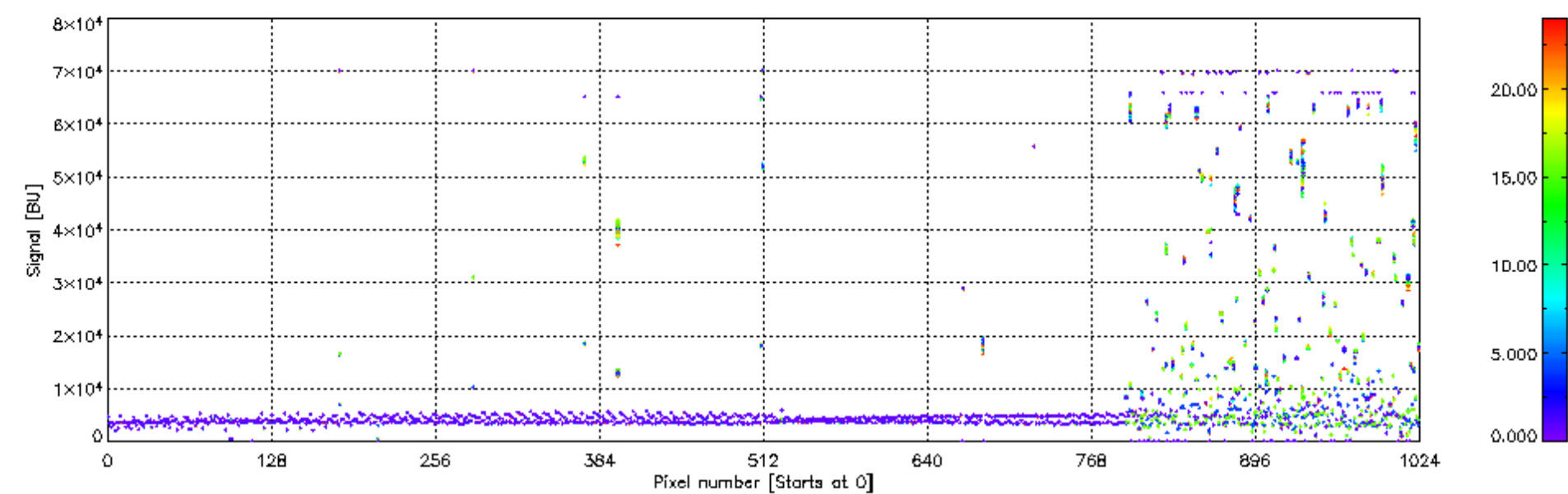
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



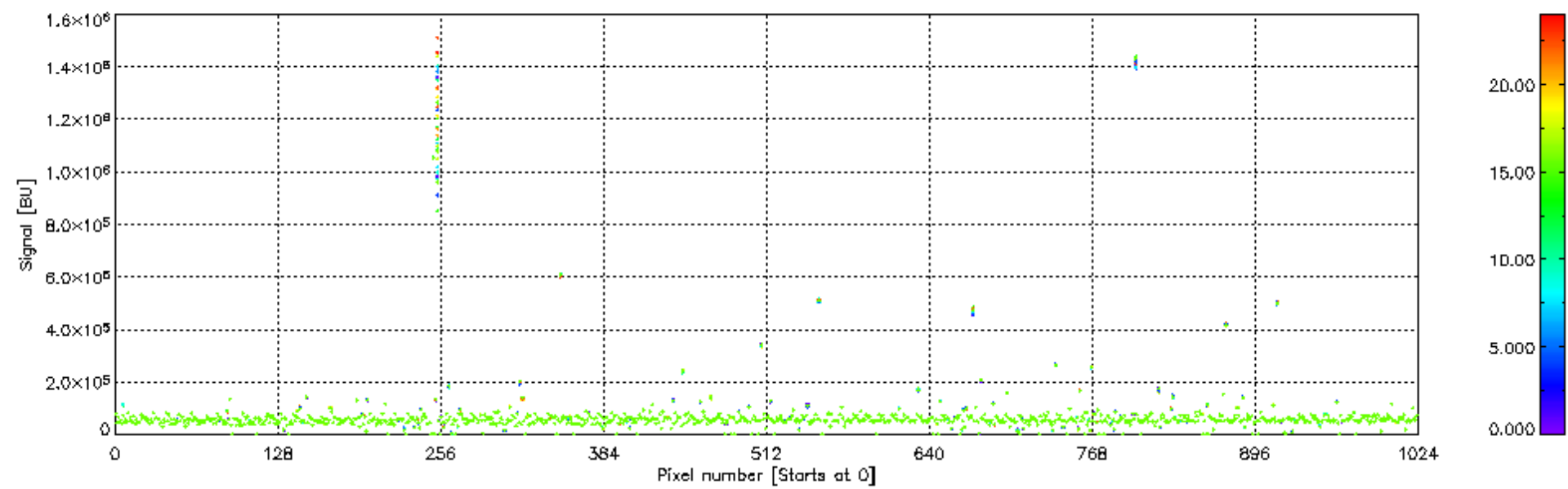
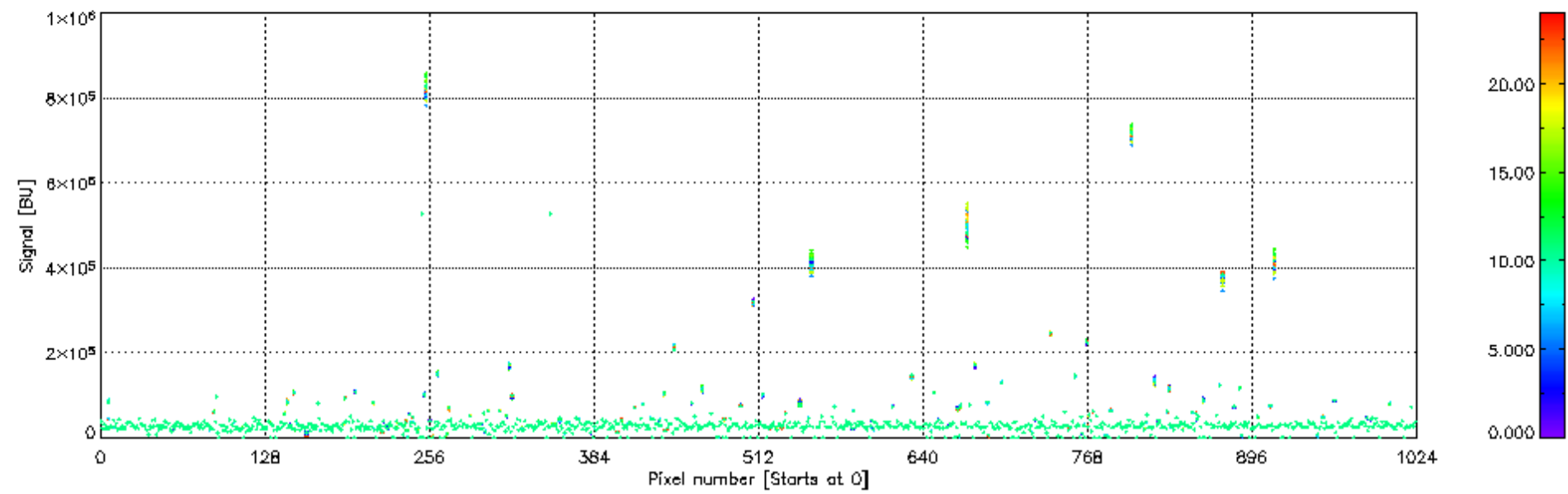
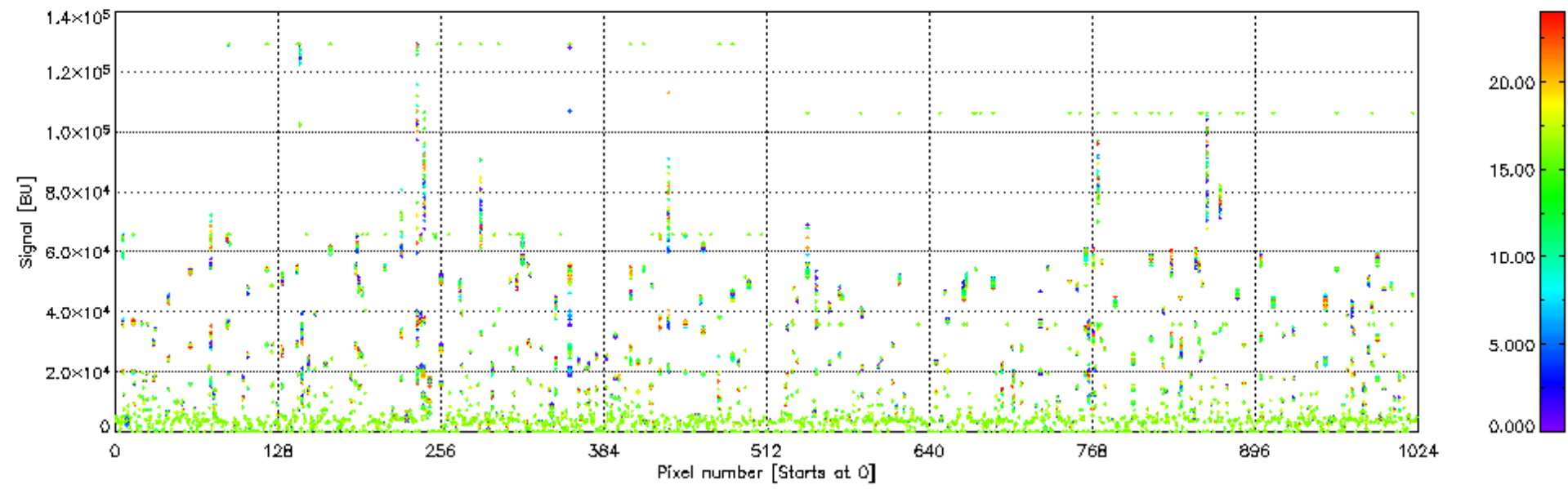
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



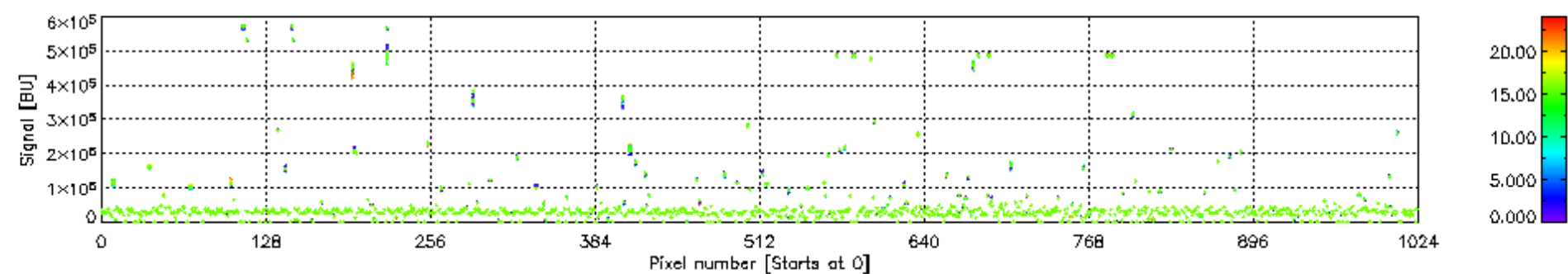
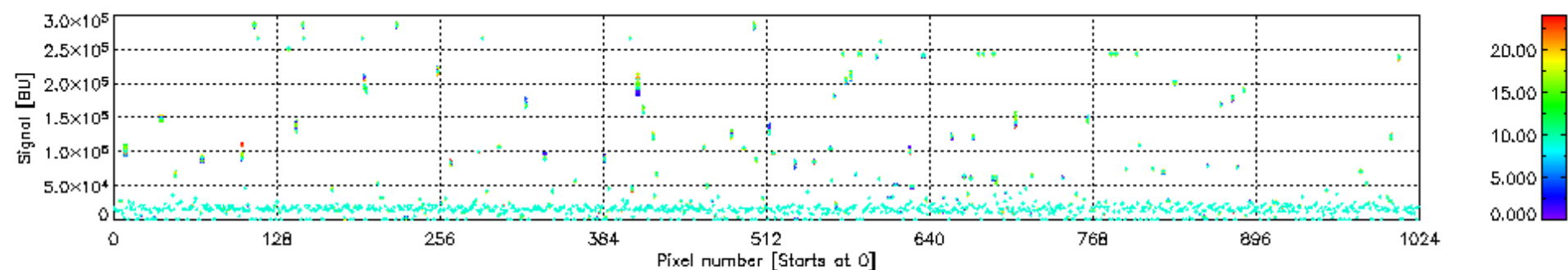
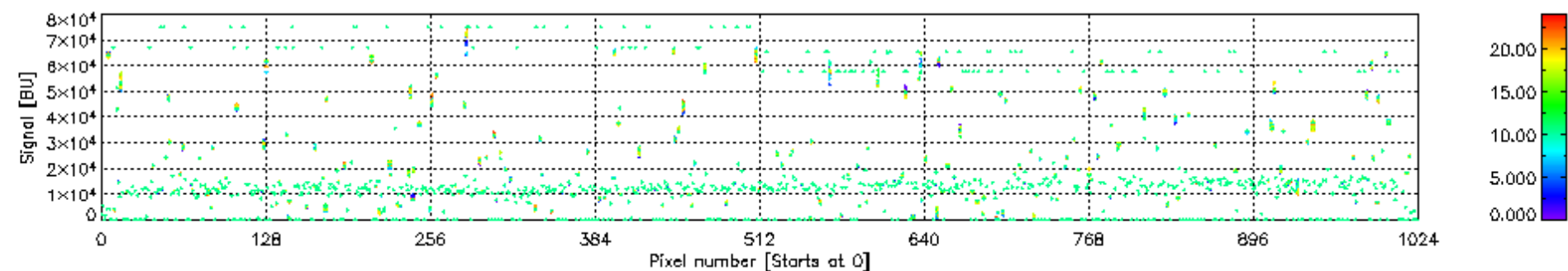
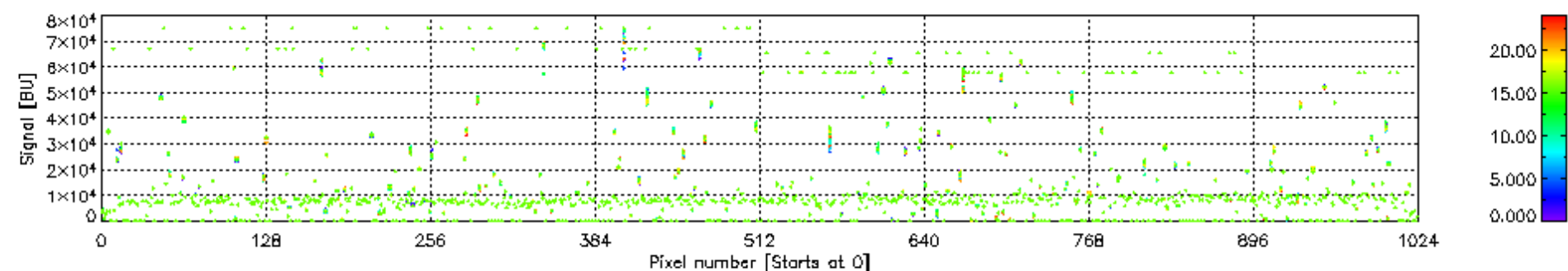
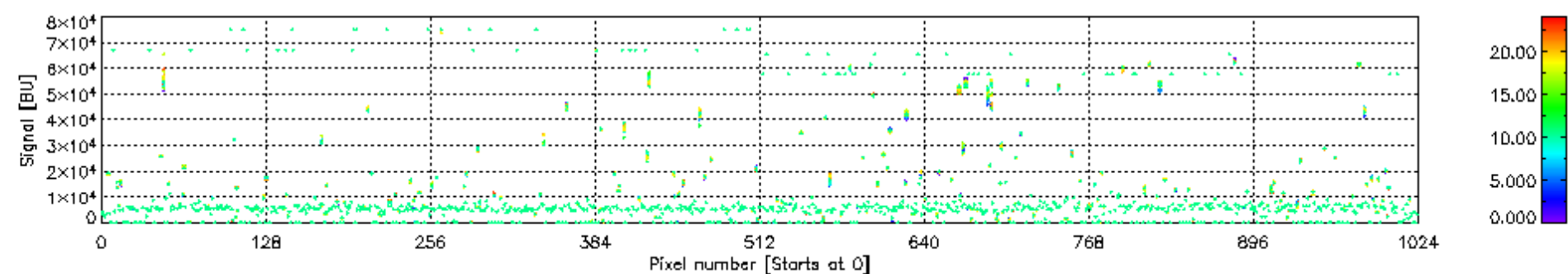
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00



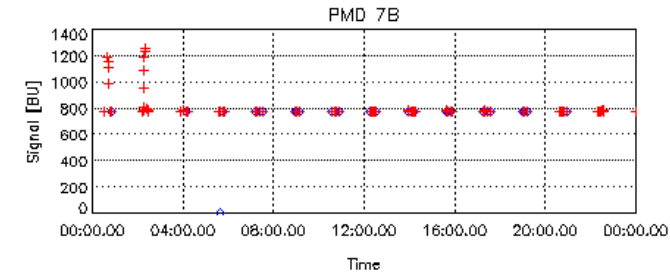
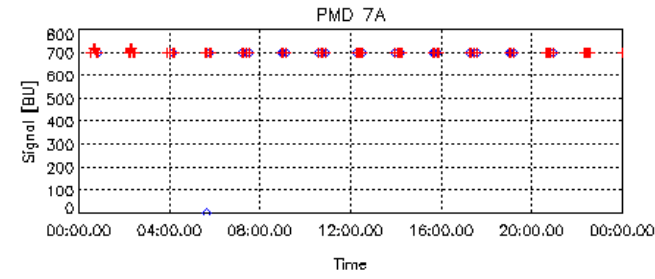
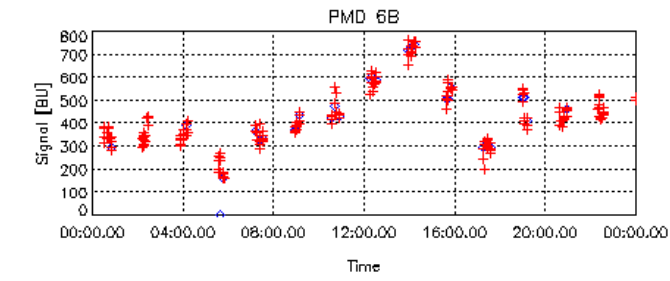
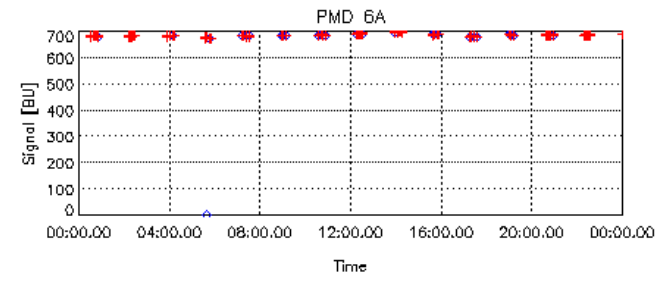
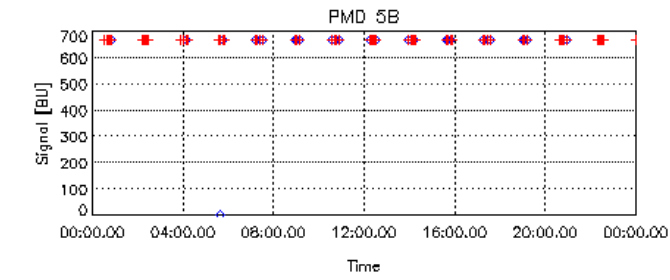
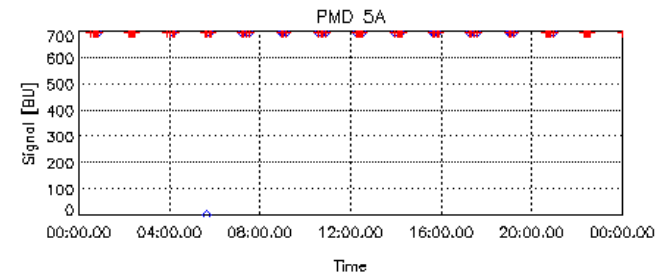
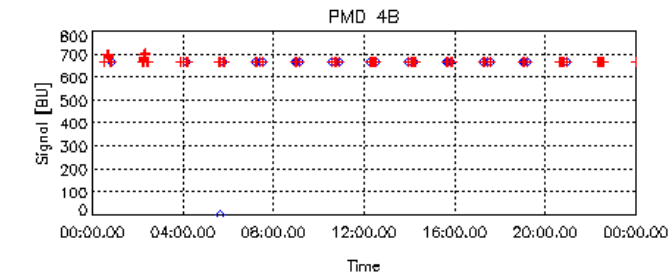
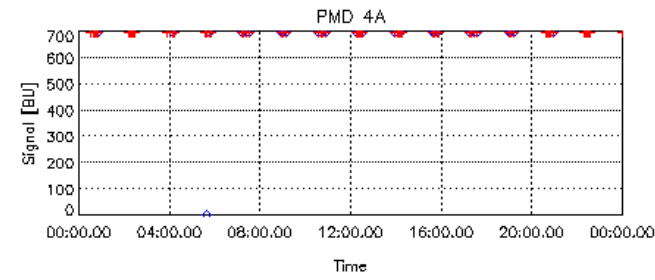
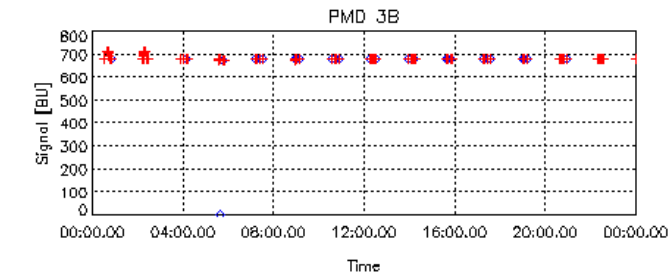
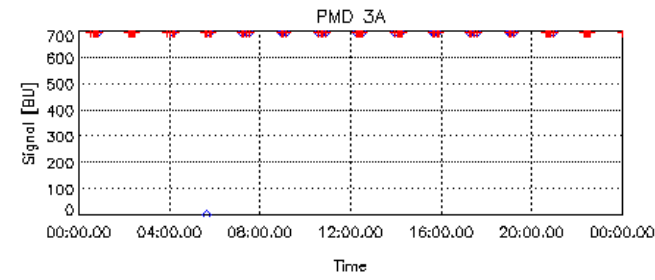
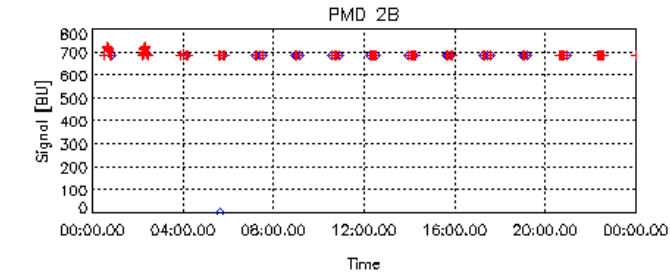
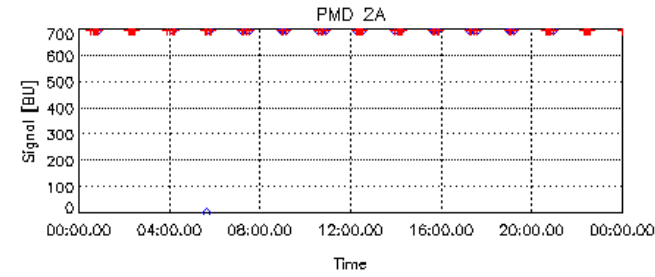
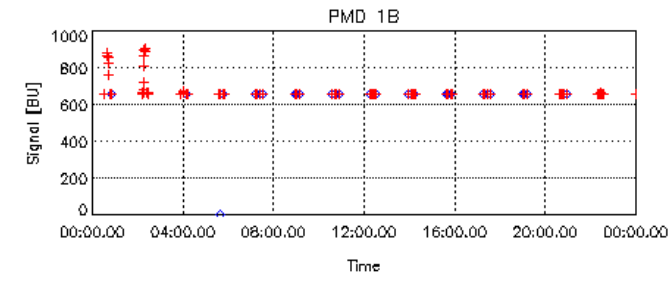
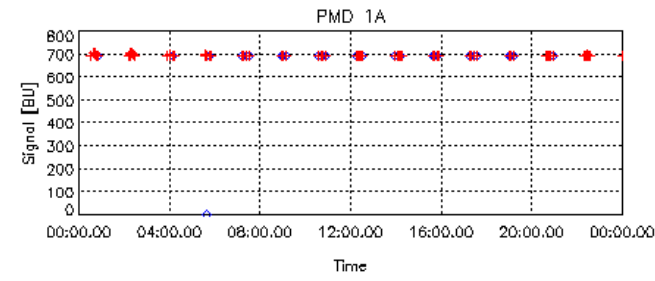
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00

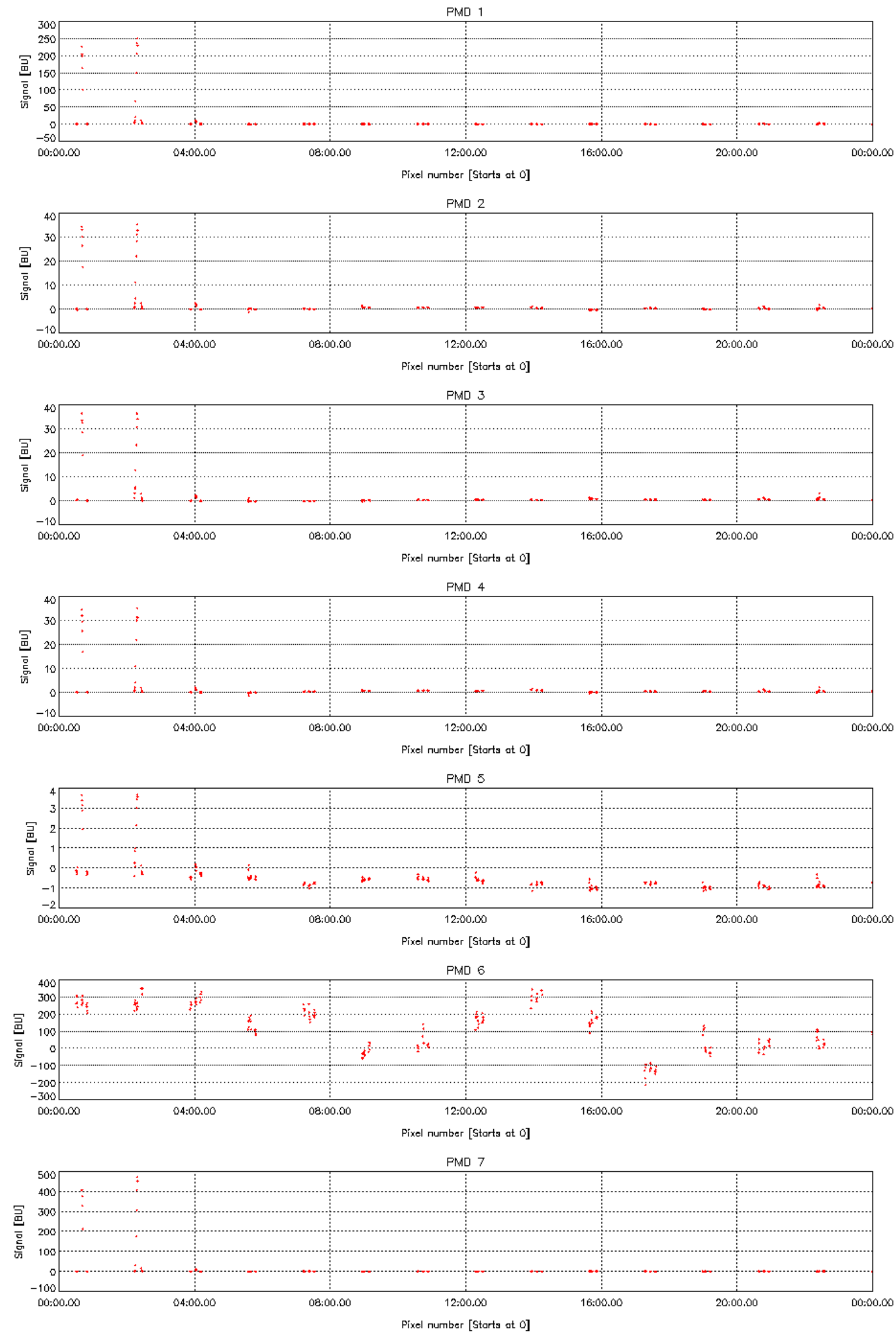


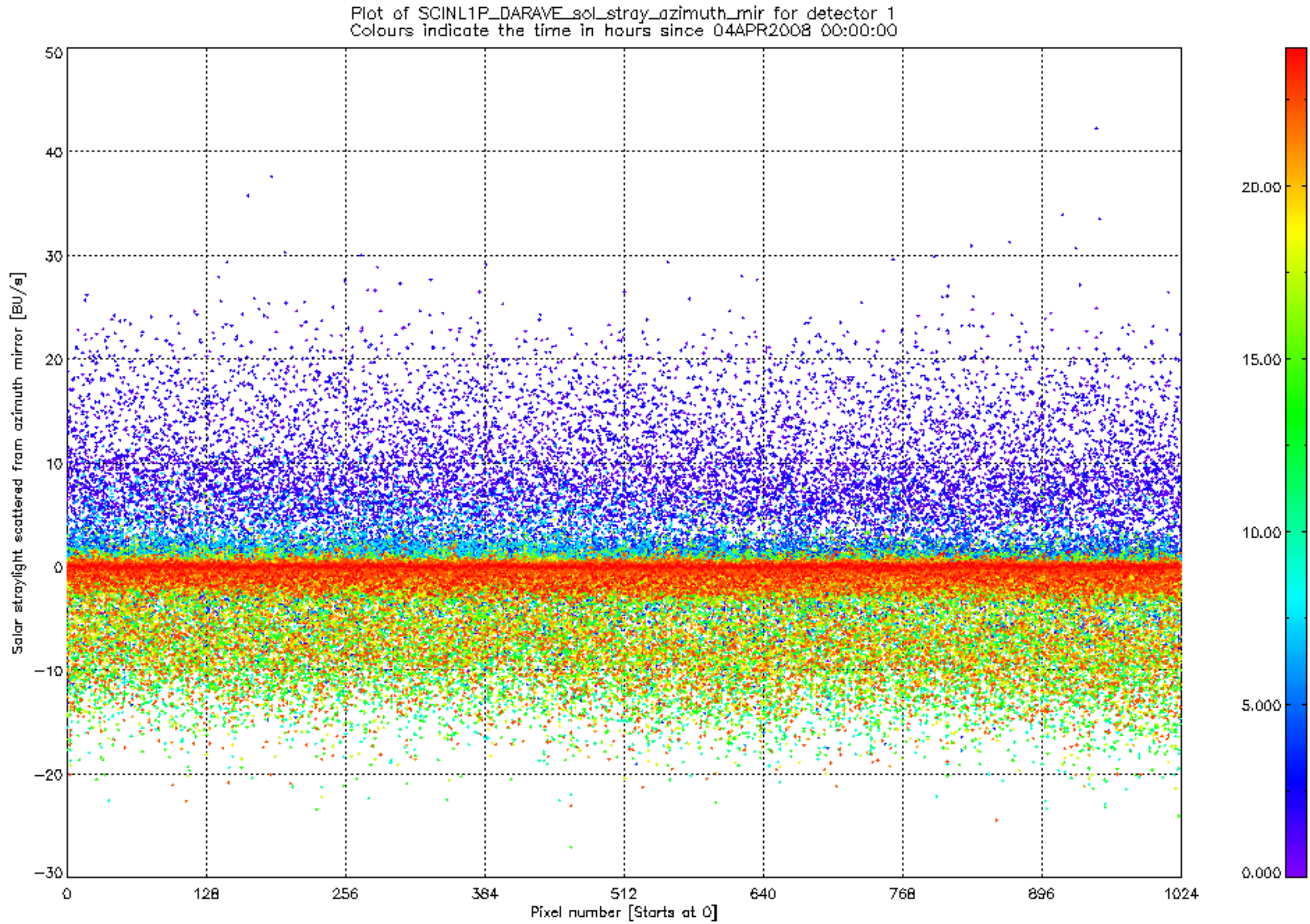
Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 04APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 04APR2008 00:00:00

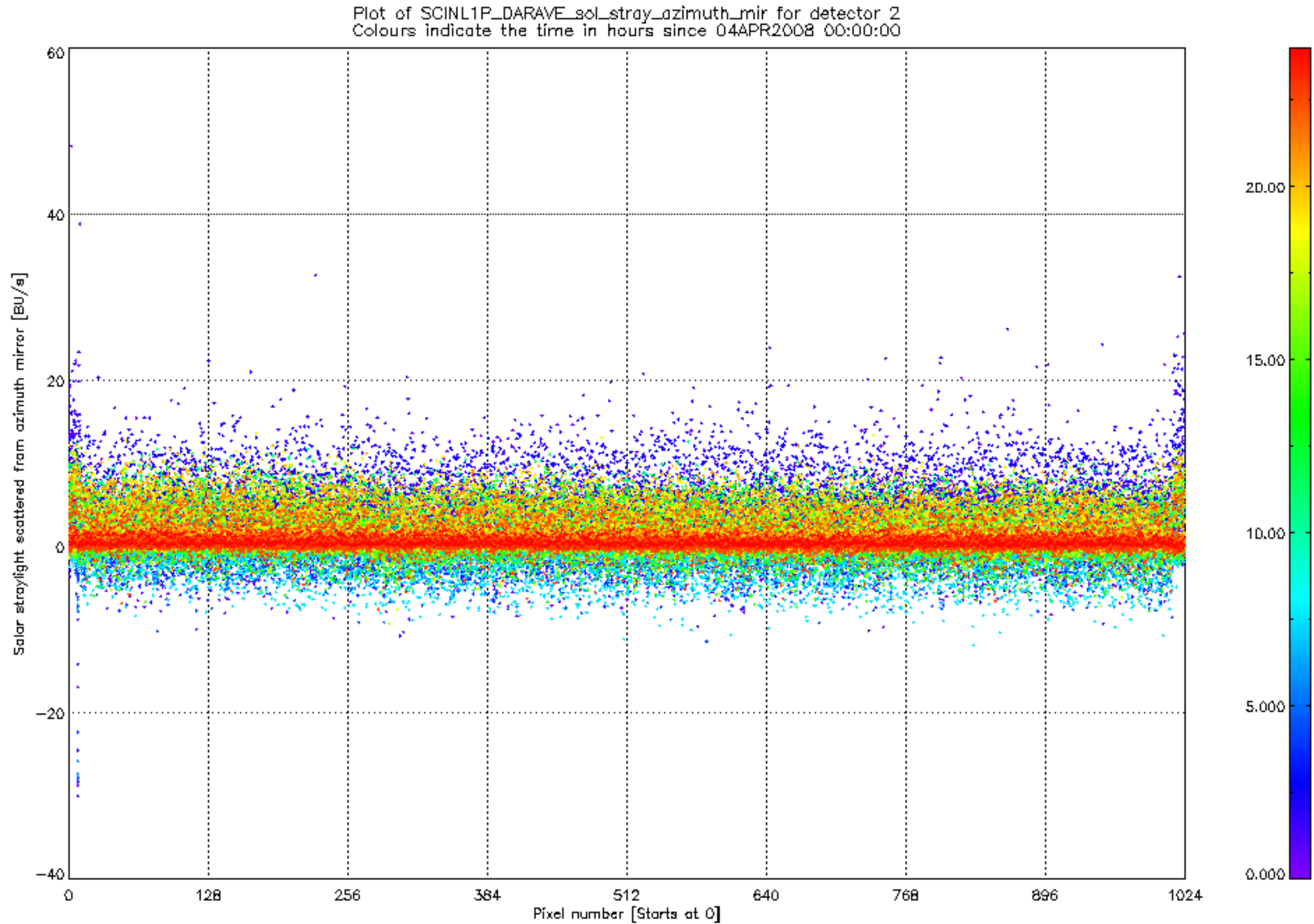


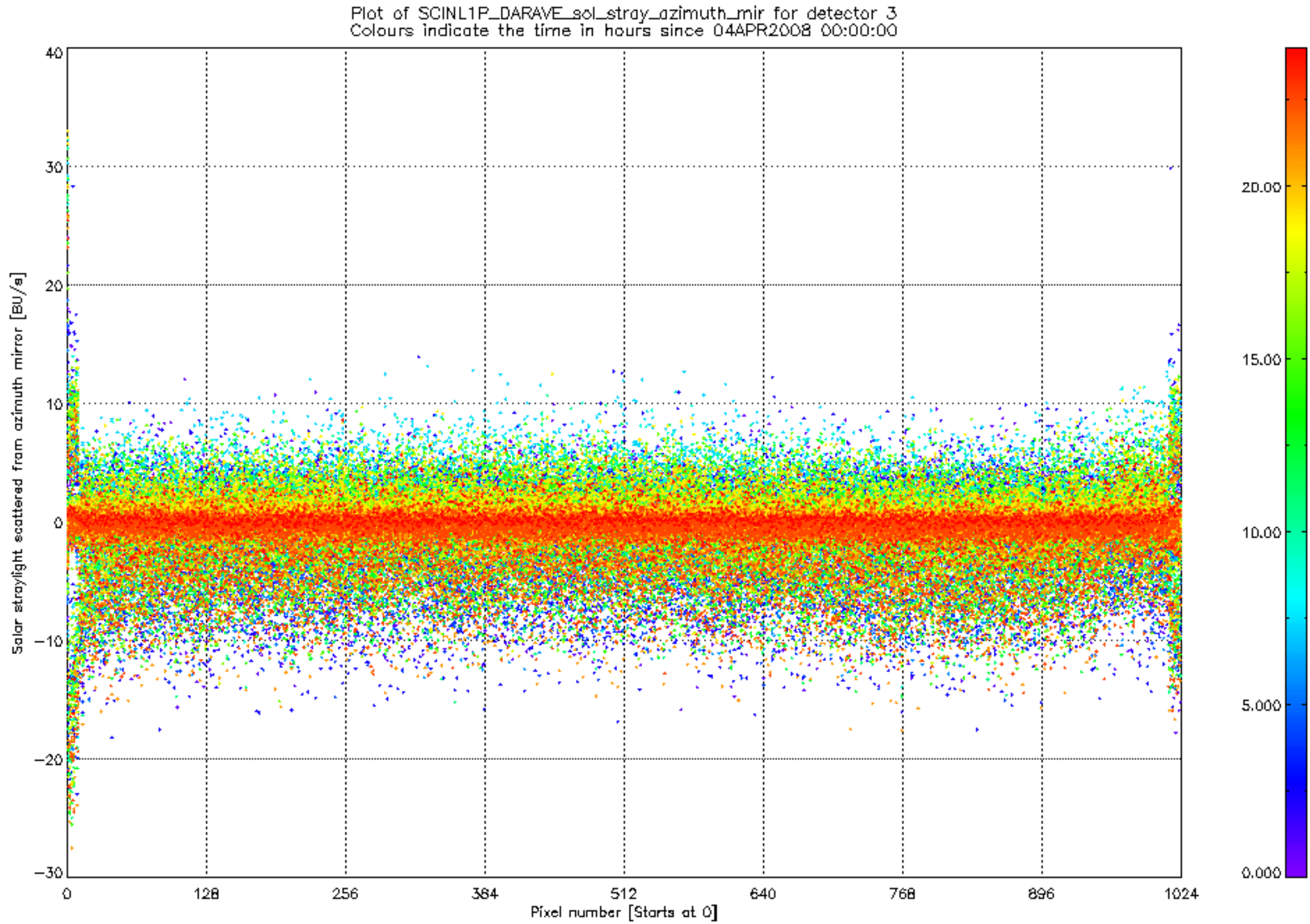
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 04APR2008 (red).
New leakage current offset data is given in blue for comparison.

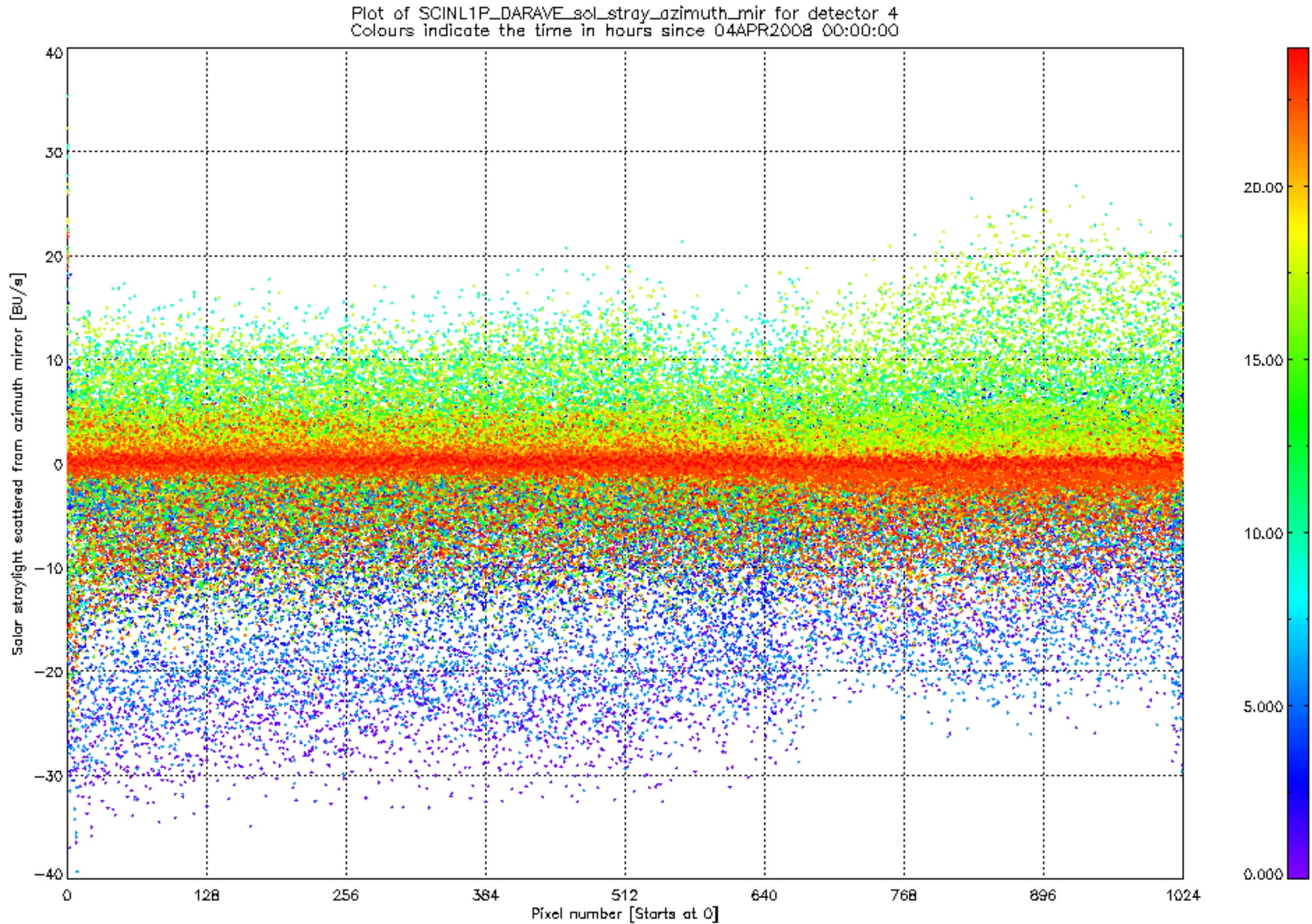


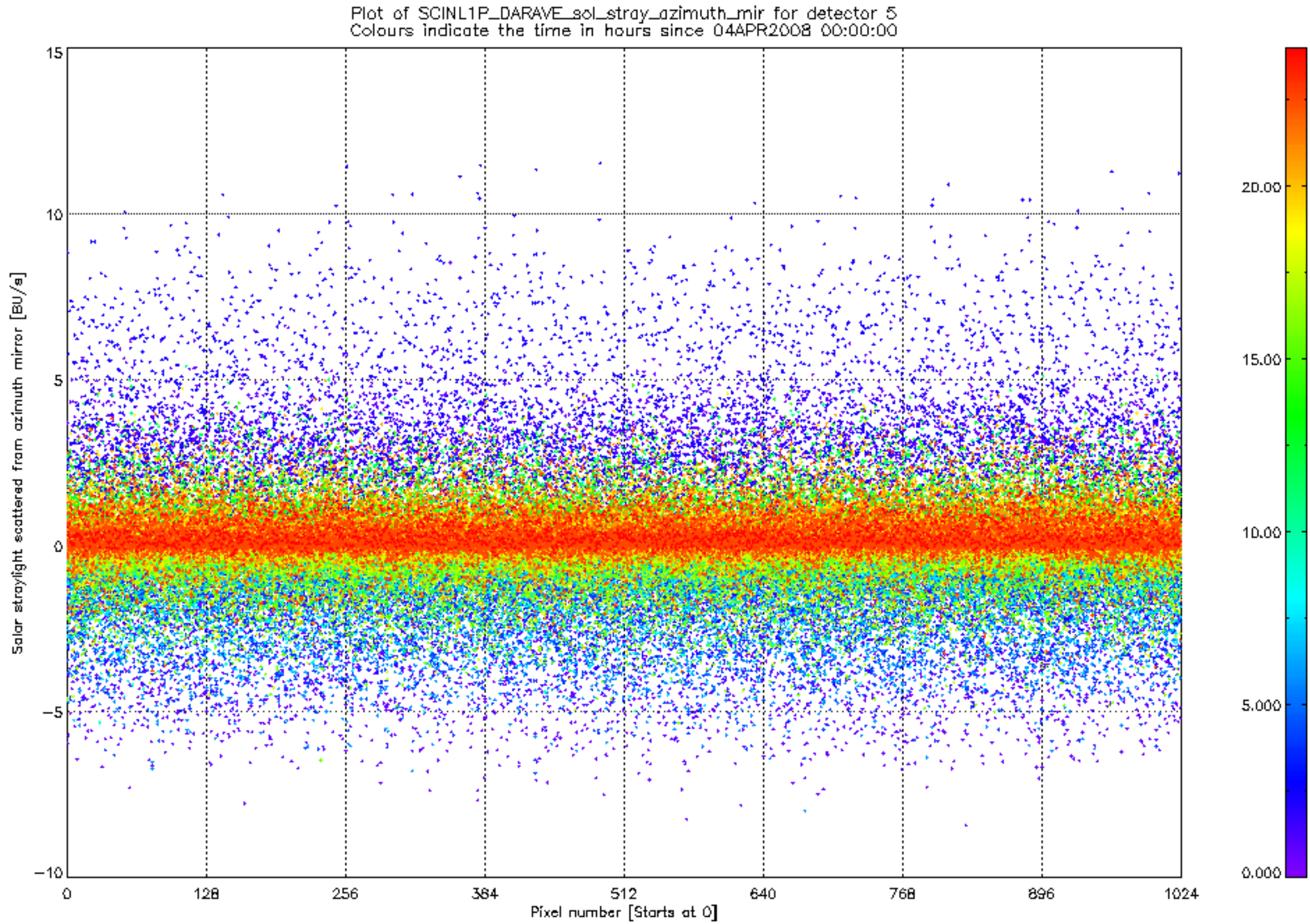


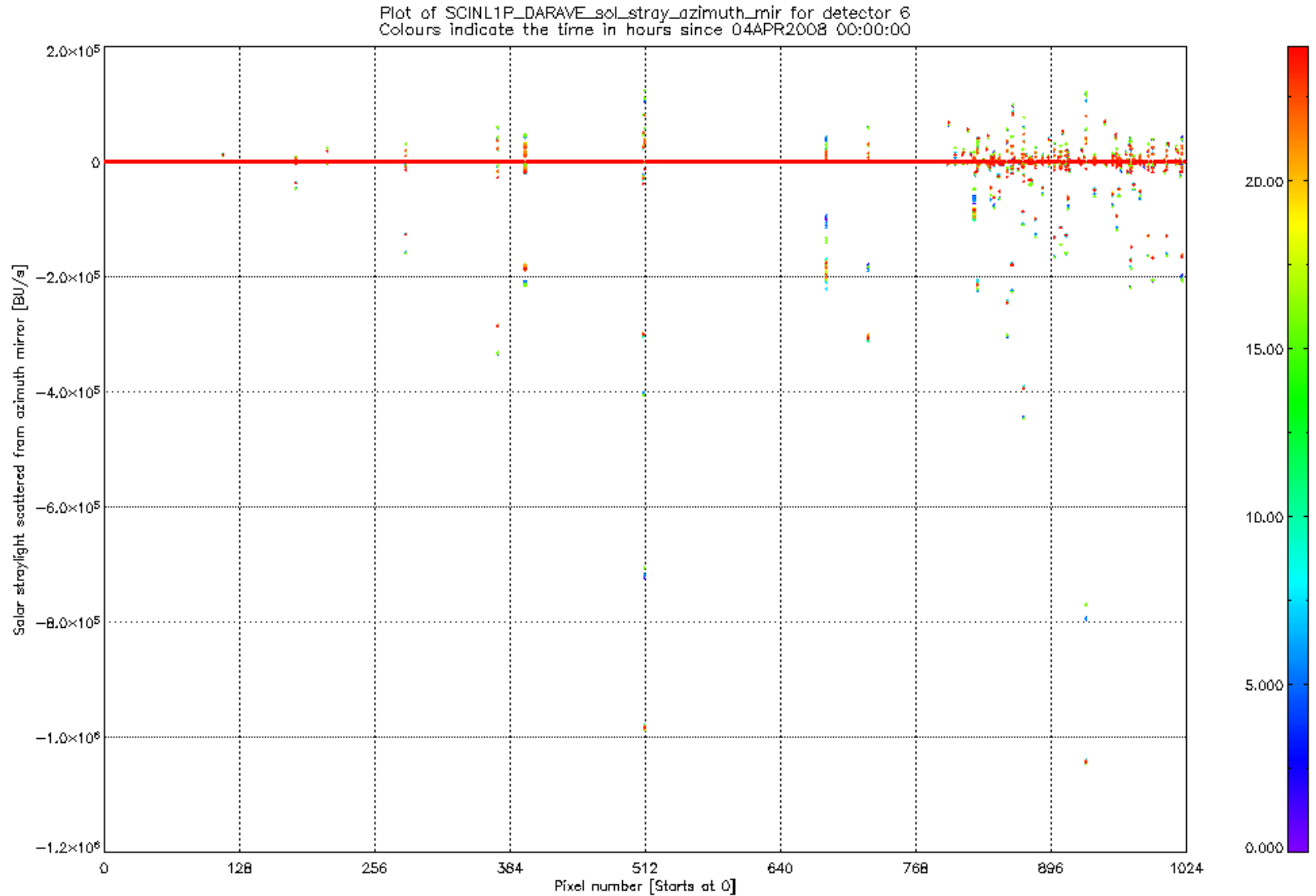




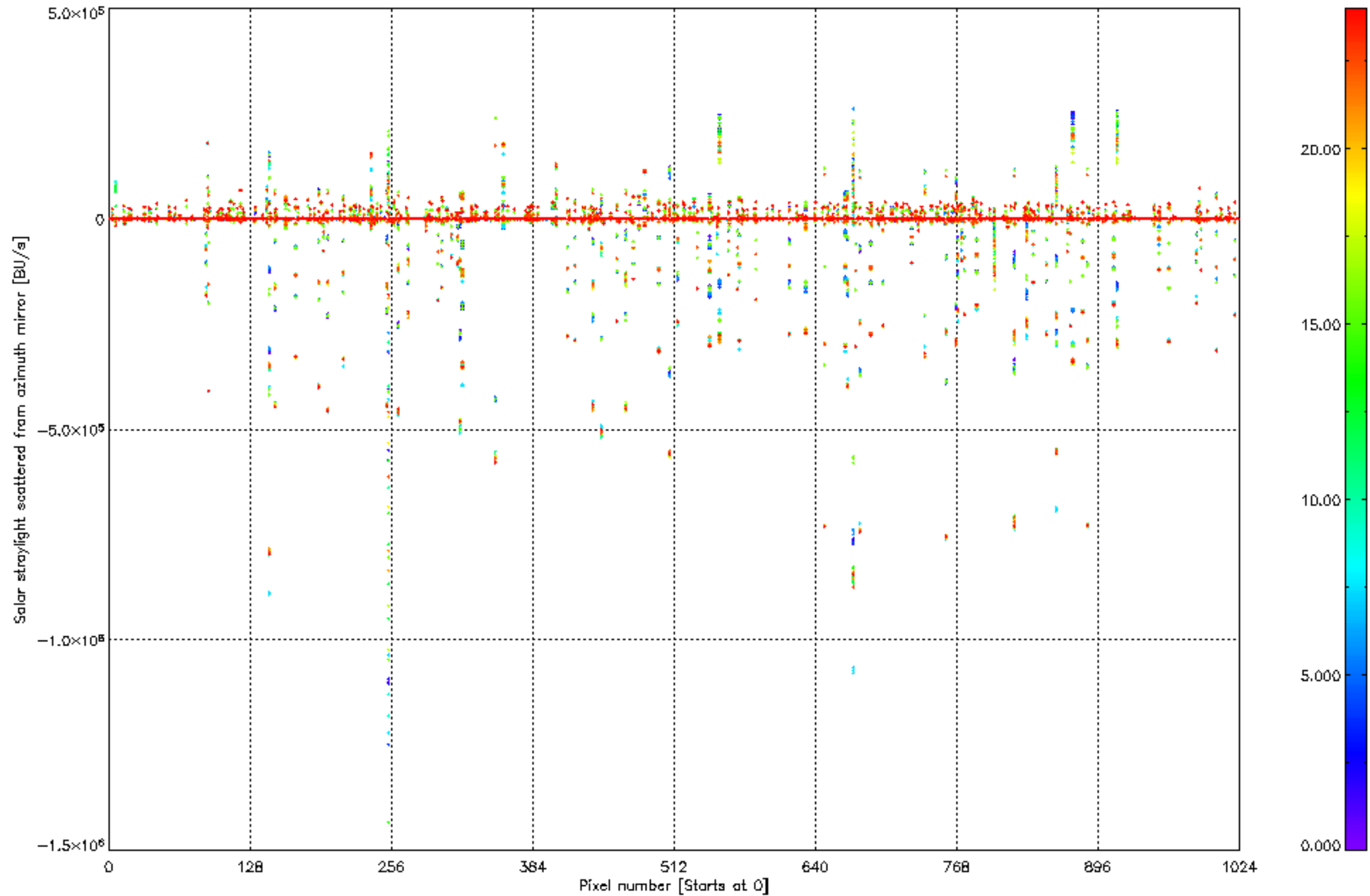


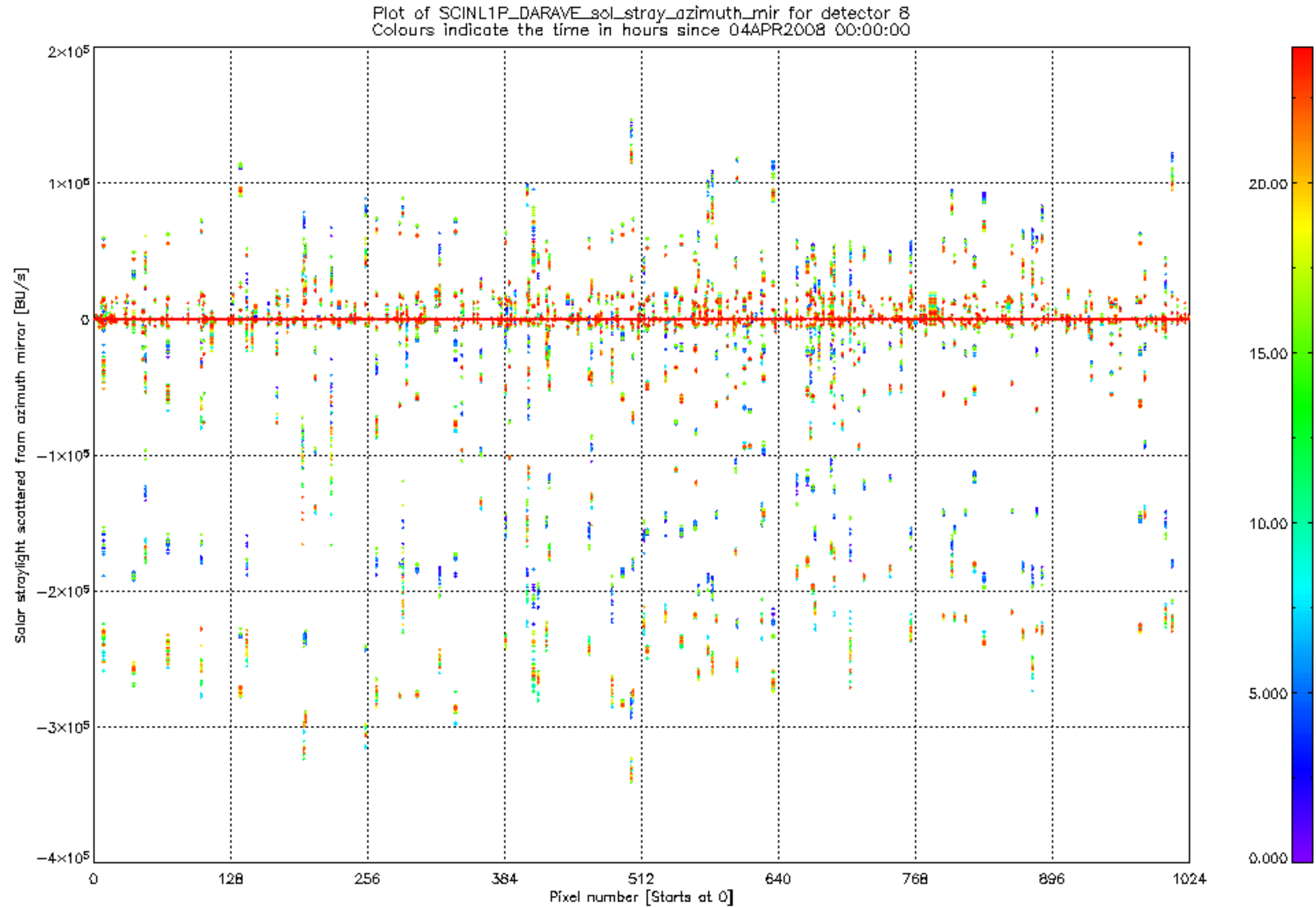




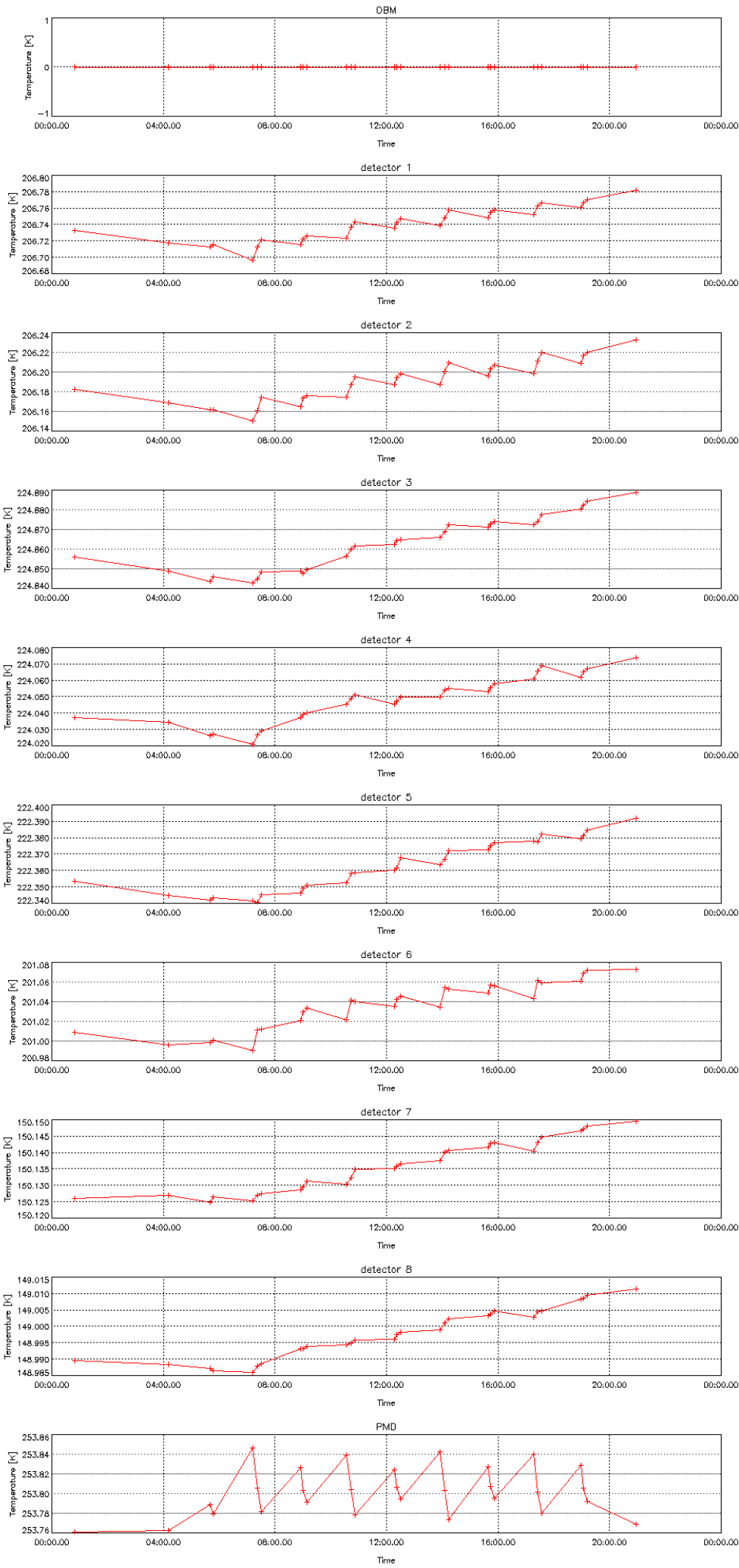


Plot of SCINL1P_DARAVE_sol_stray_azimuth_mir for detector 7
Colours indicate the time in hours since 04APR2008 00:00:00

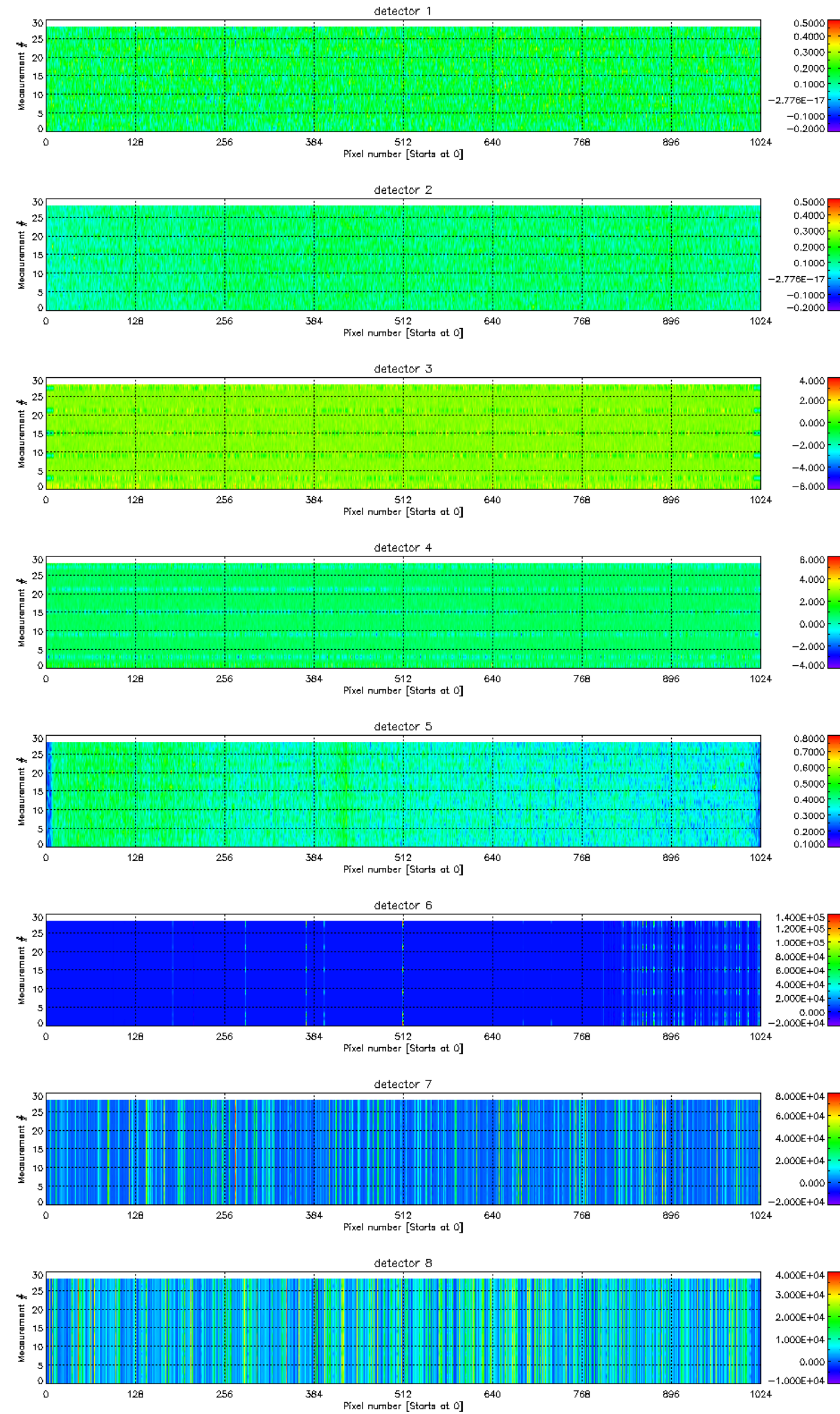




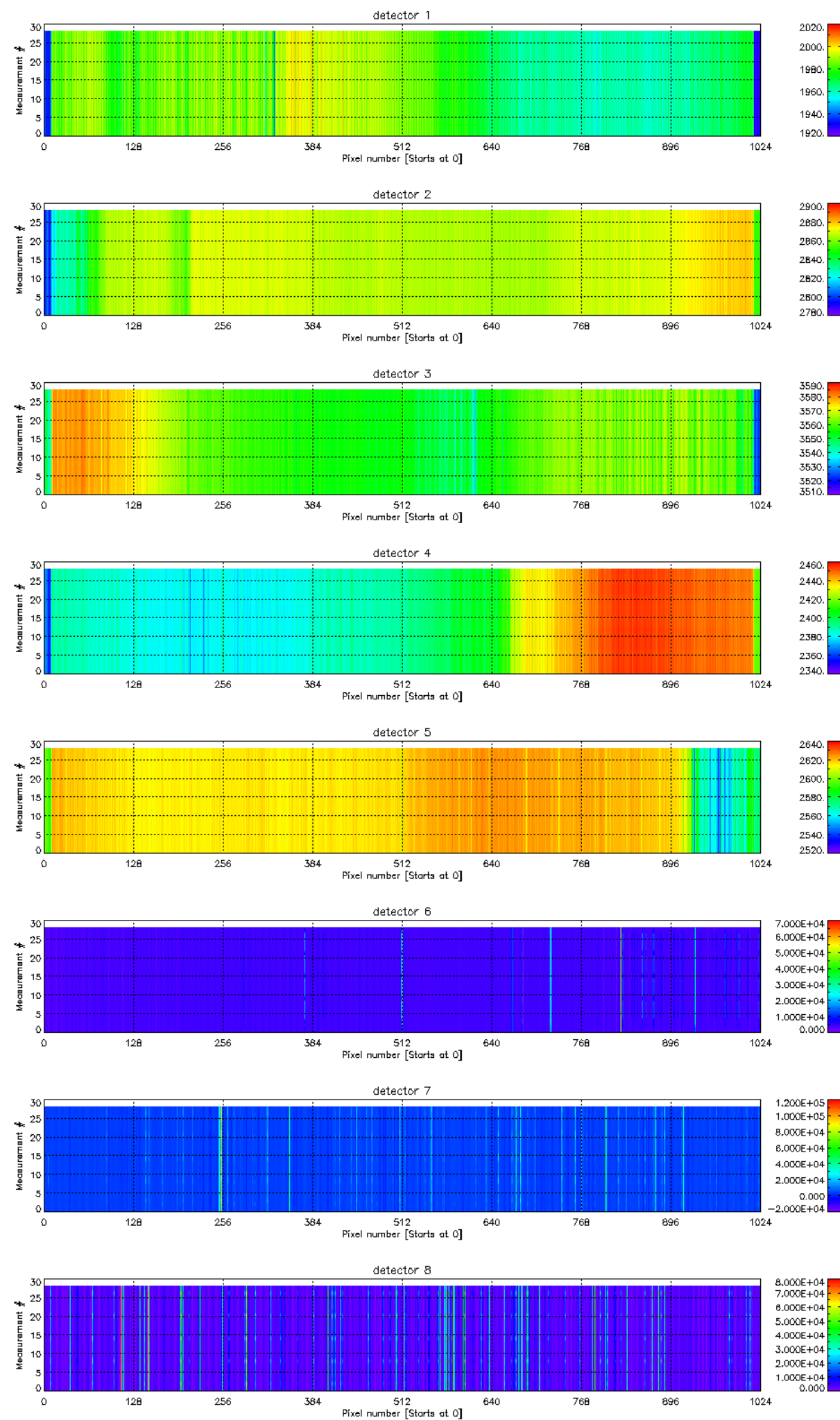
Plots of SCINL1P_NEWLEA_obm_det_prnd temperatures vs time on 04APR2008.



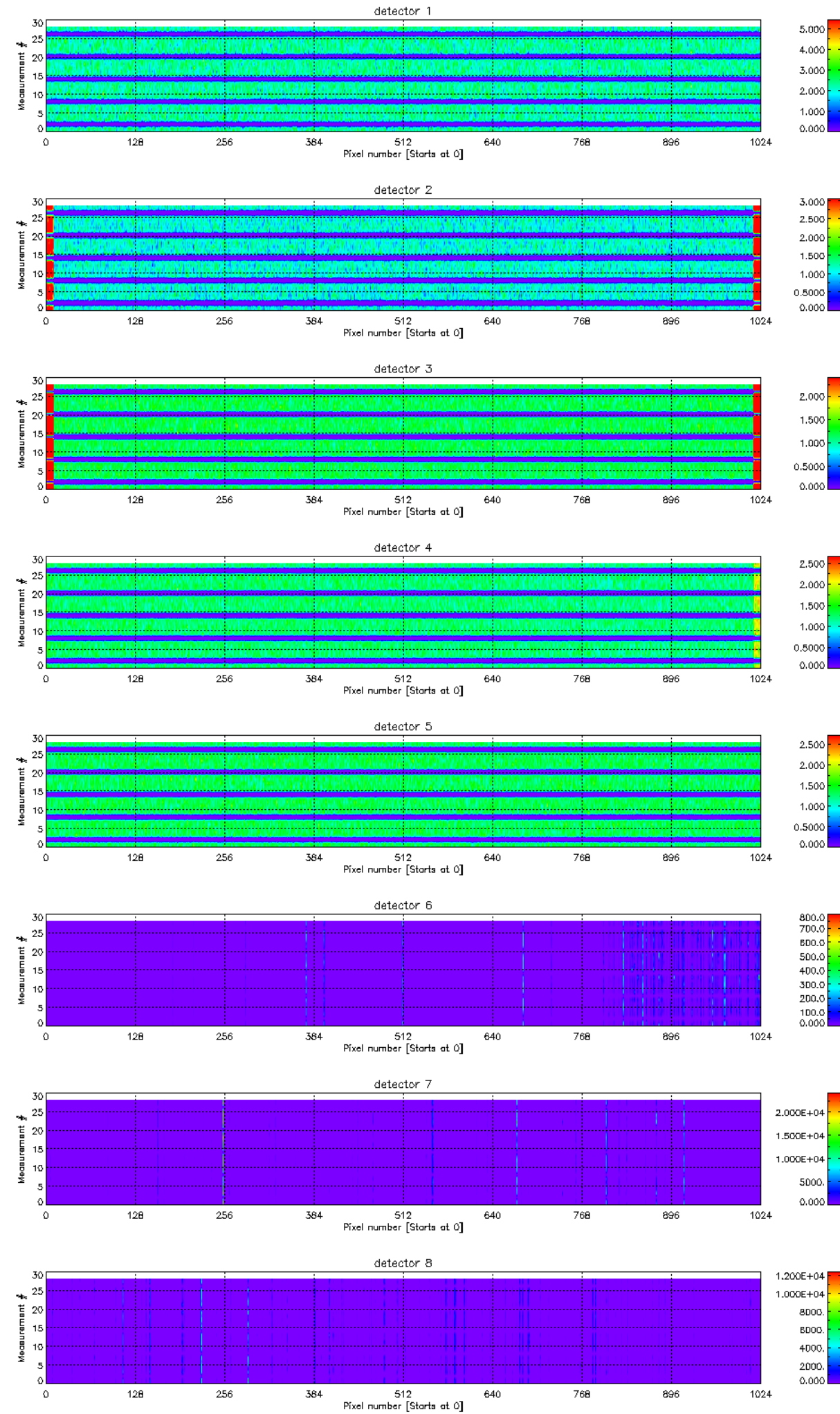
Plots of SCINL1P_NEWLEA_leak_cur for various detectors on 04APR2008.
Colours indicate the value in BU/s.



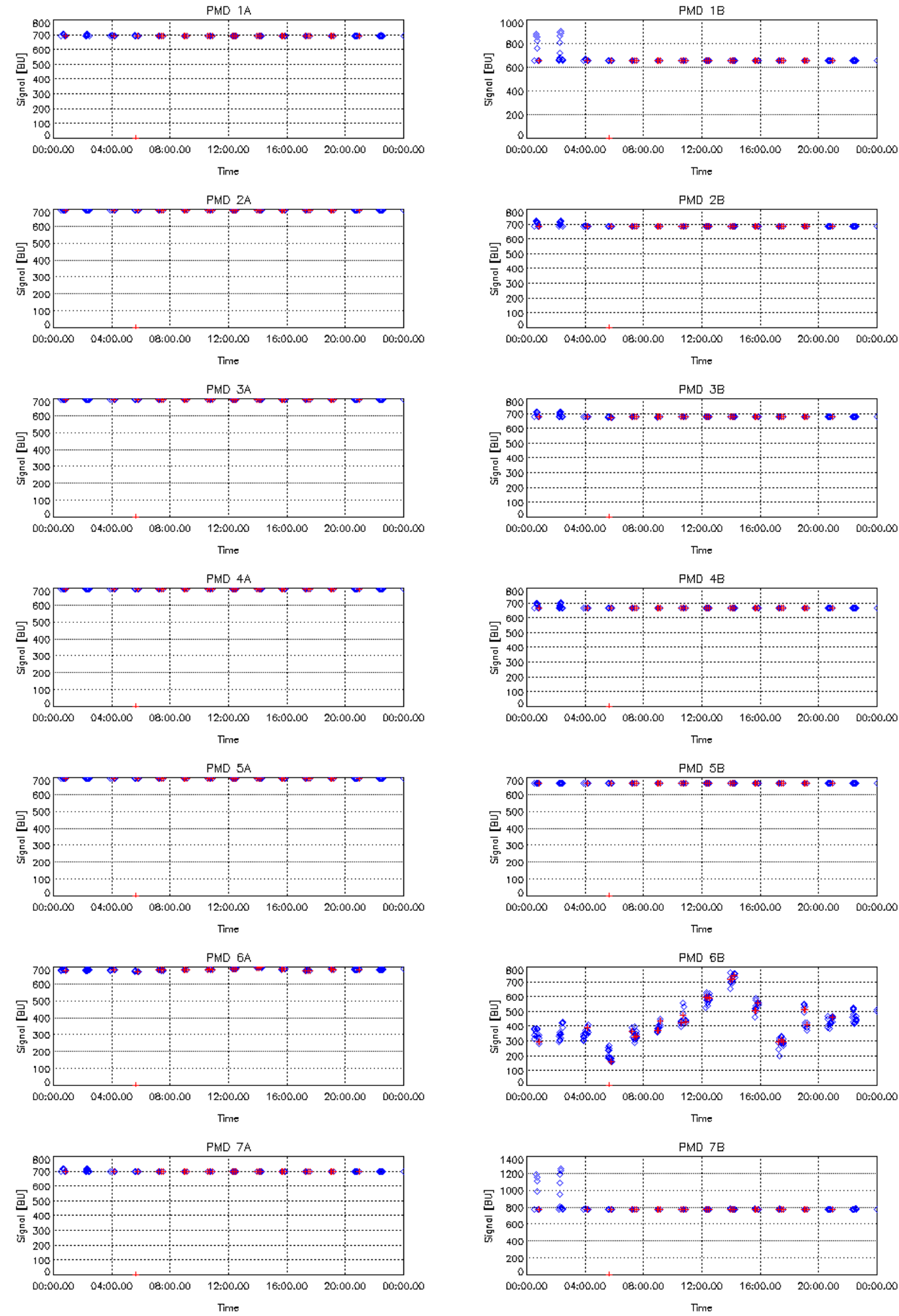
Plots of SCINL1P_NEWLEA_fpn for various detectors on 04APR2008.
Colours indicate the value in BU.

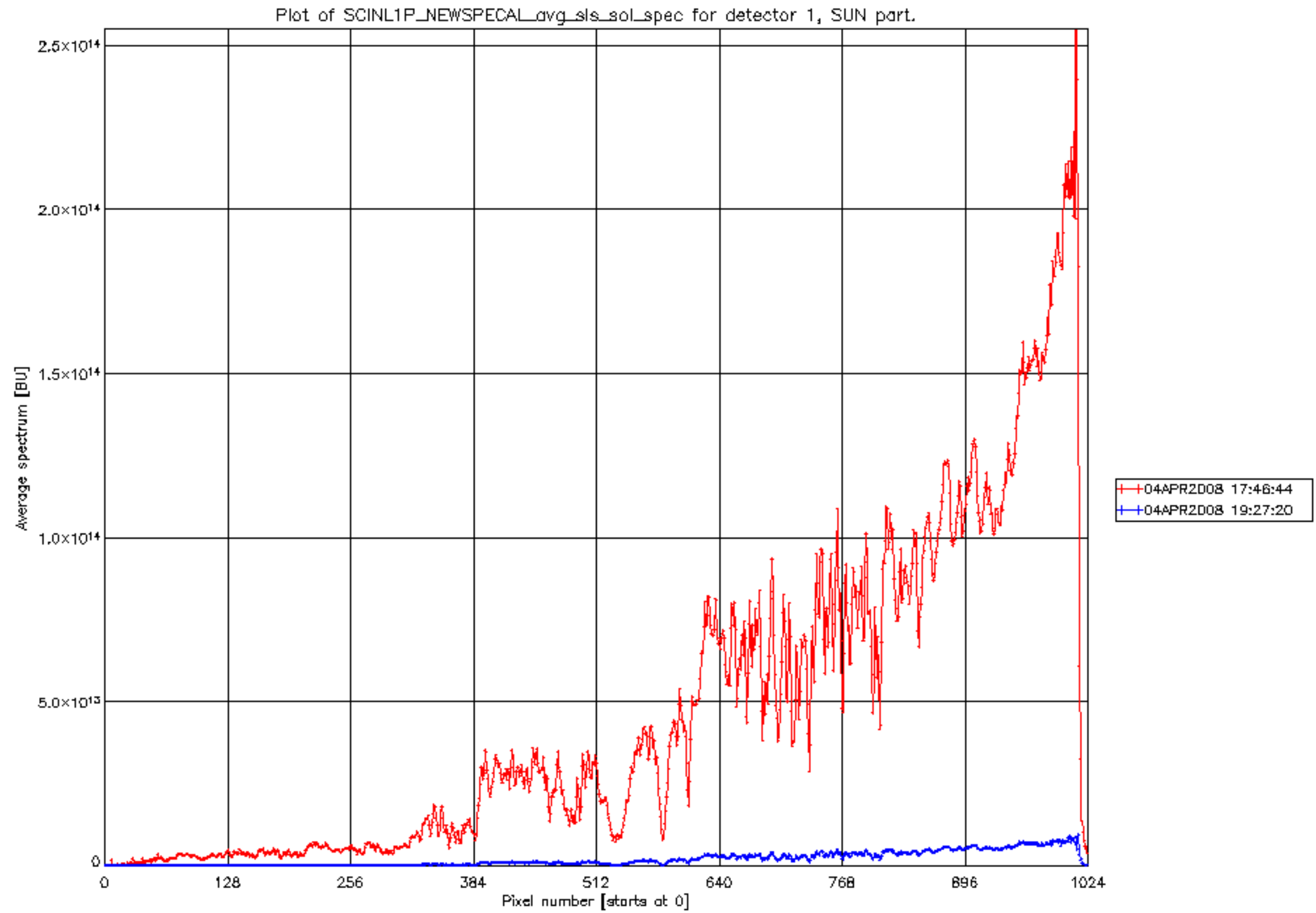


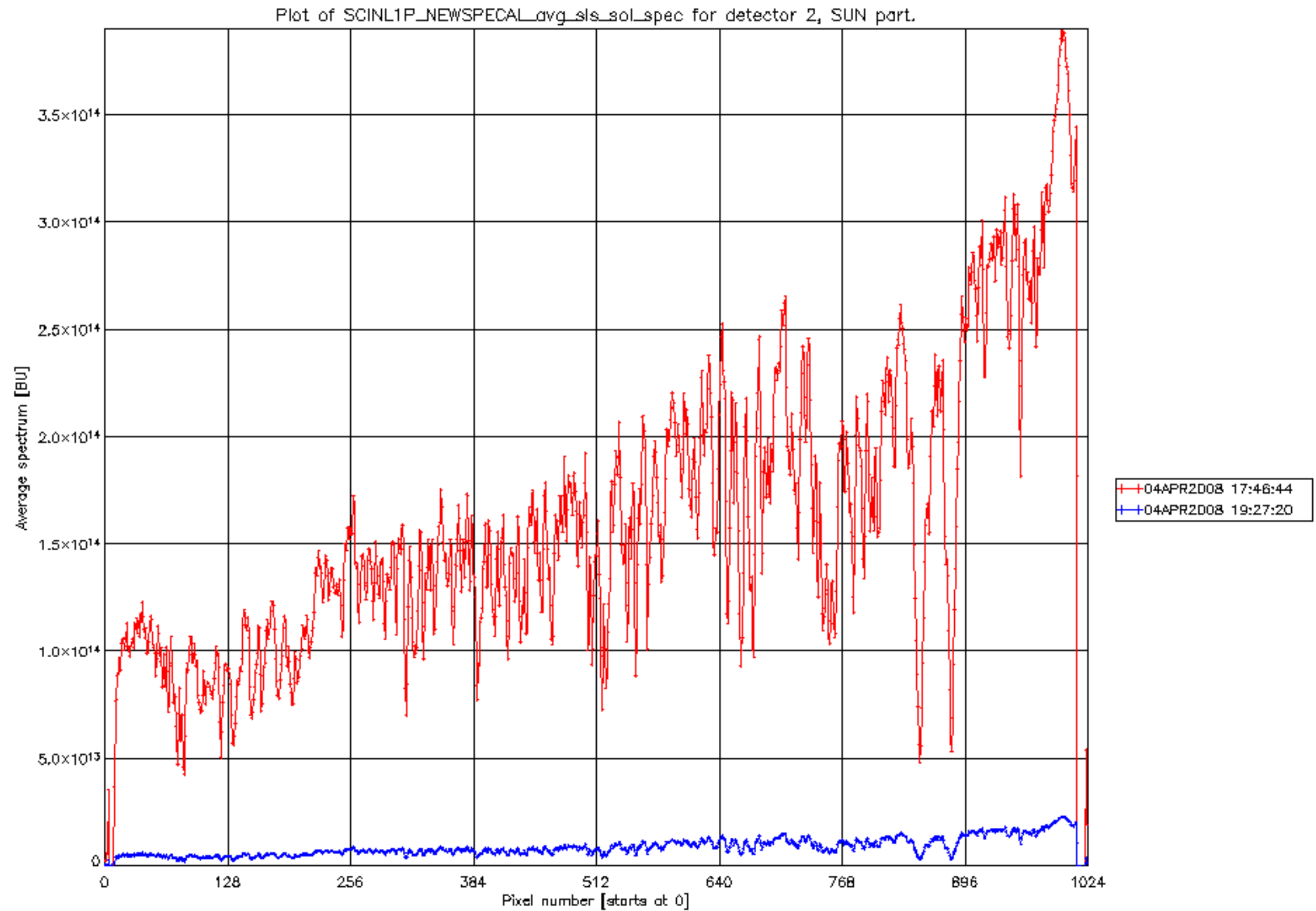
Plots of SCINL1P_NEWLEA_mean_noise for various detectors on 04APR2008.
Colours indicate the value in BU.

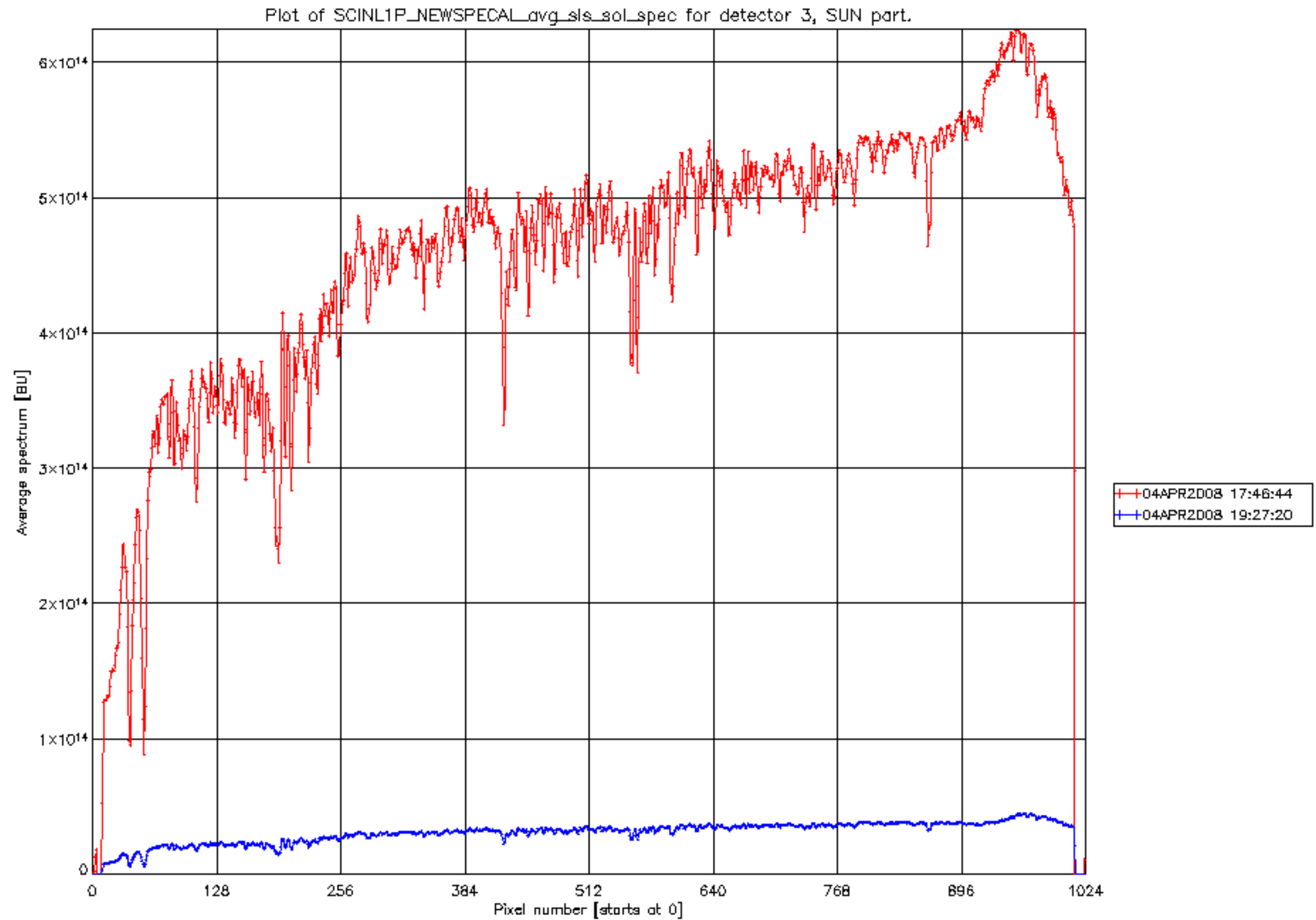


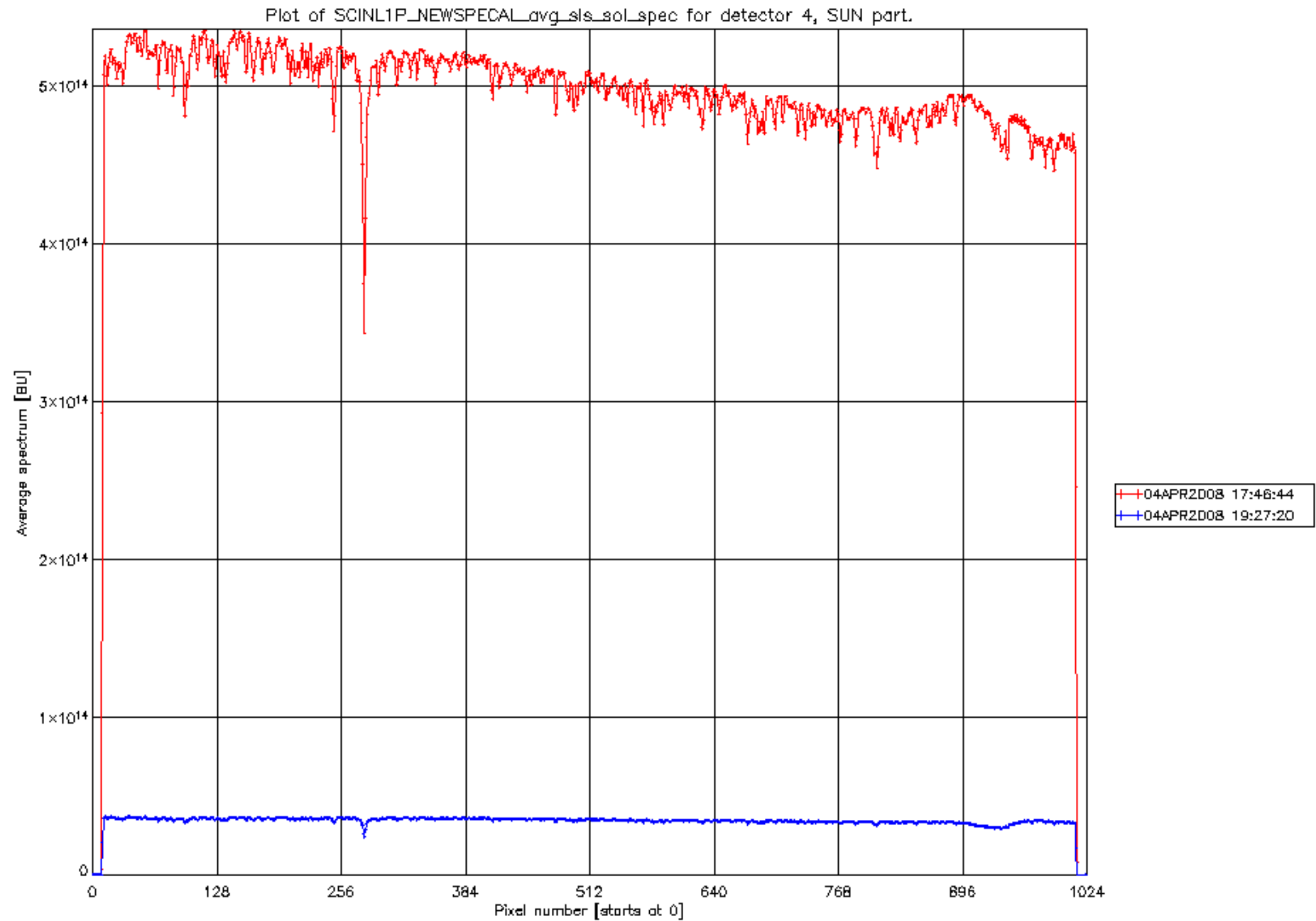
Plots of SCINL1P_NEWLEA_pmd_off vs time on 04APR2008 (red).
Dark average pmd data is given in blue for comparison.

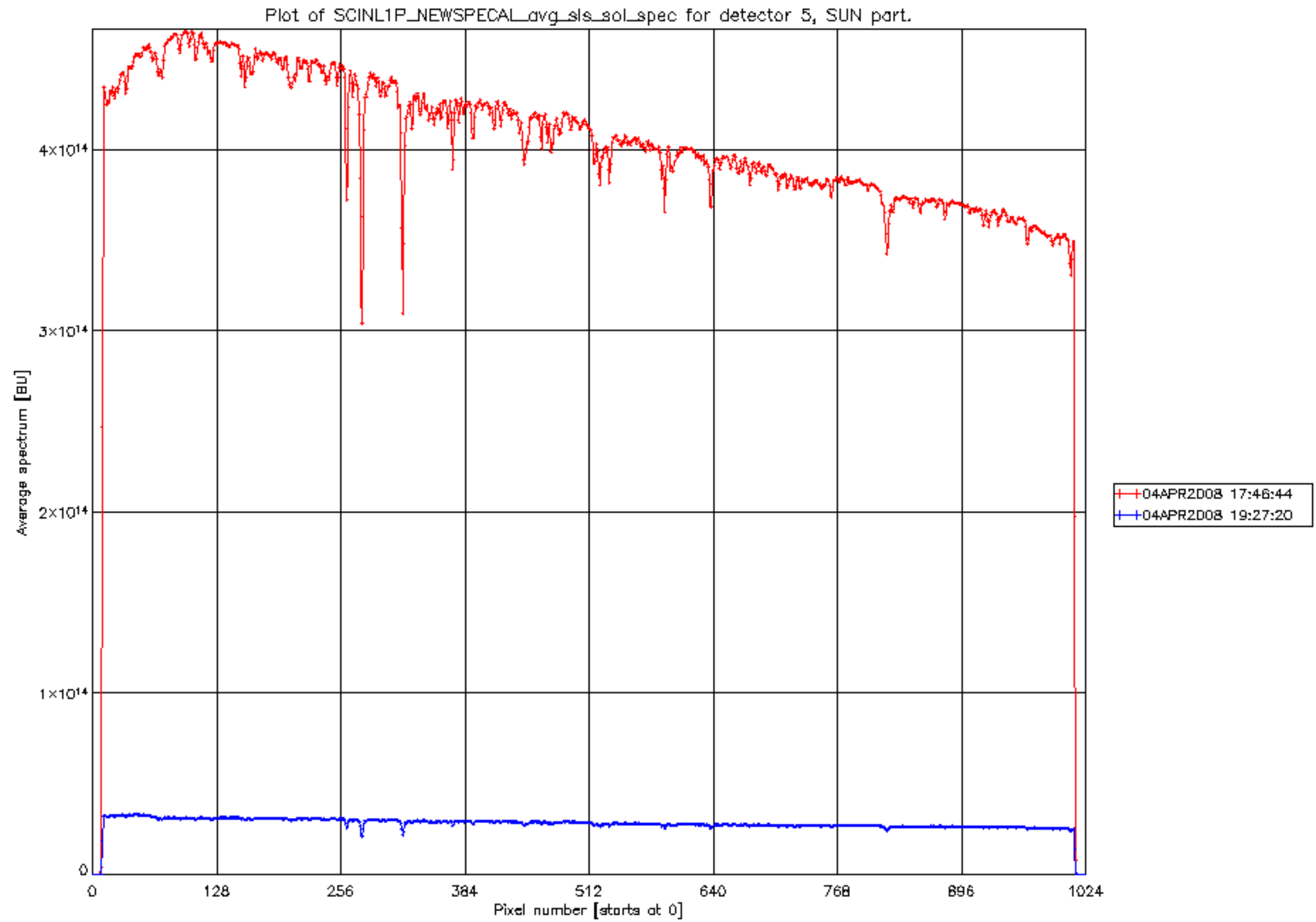


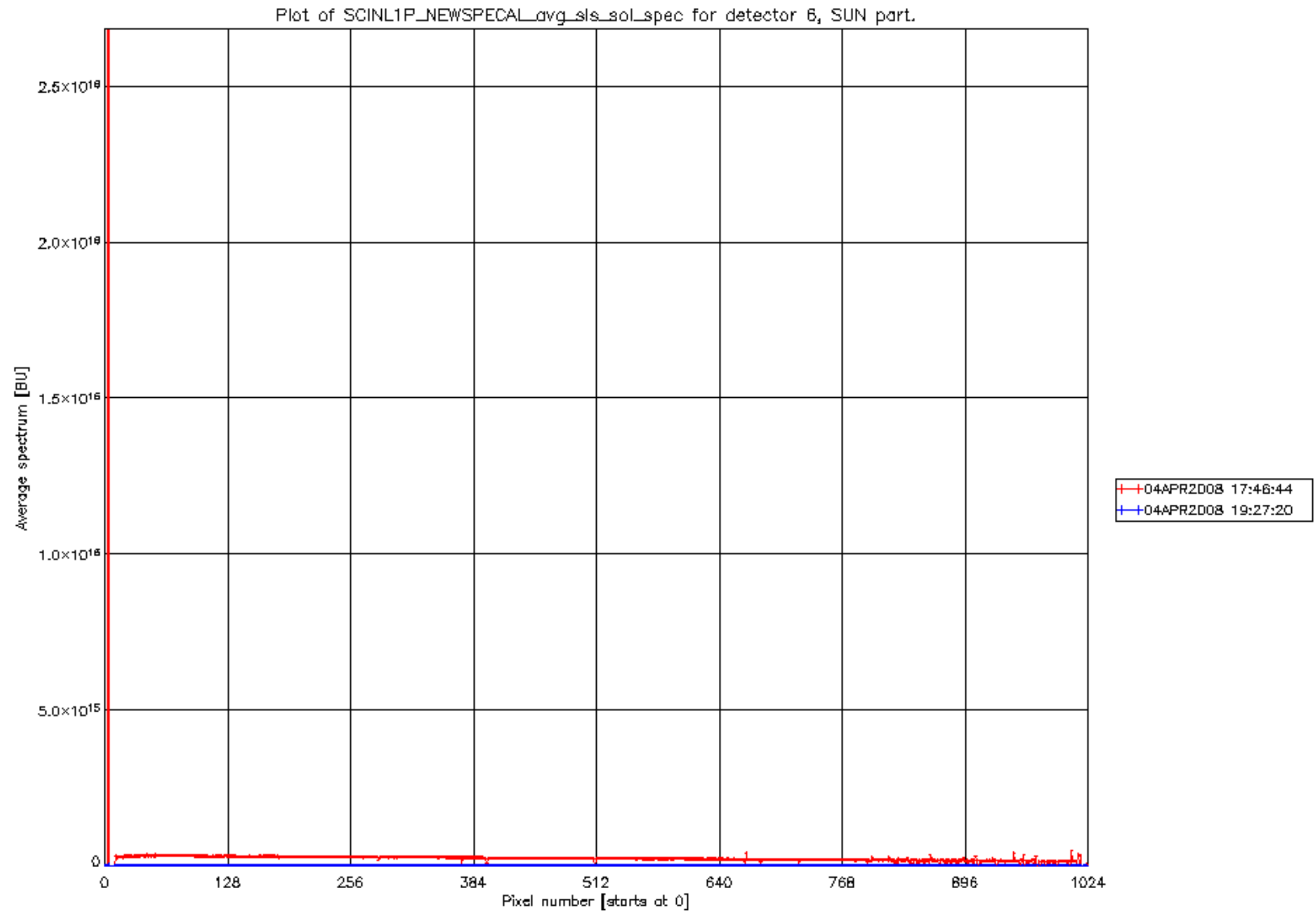


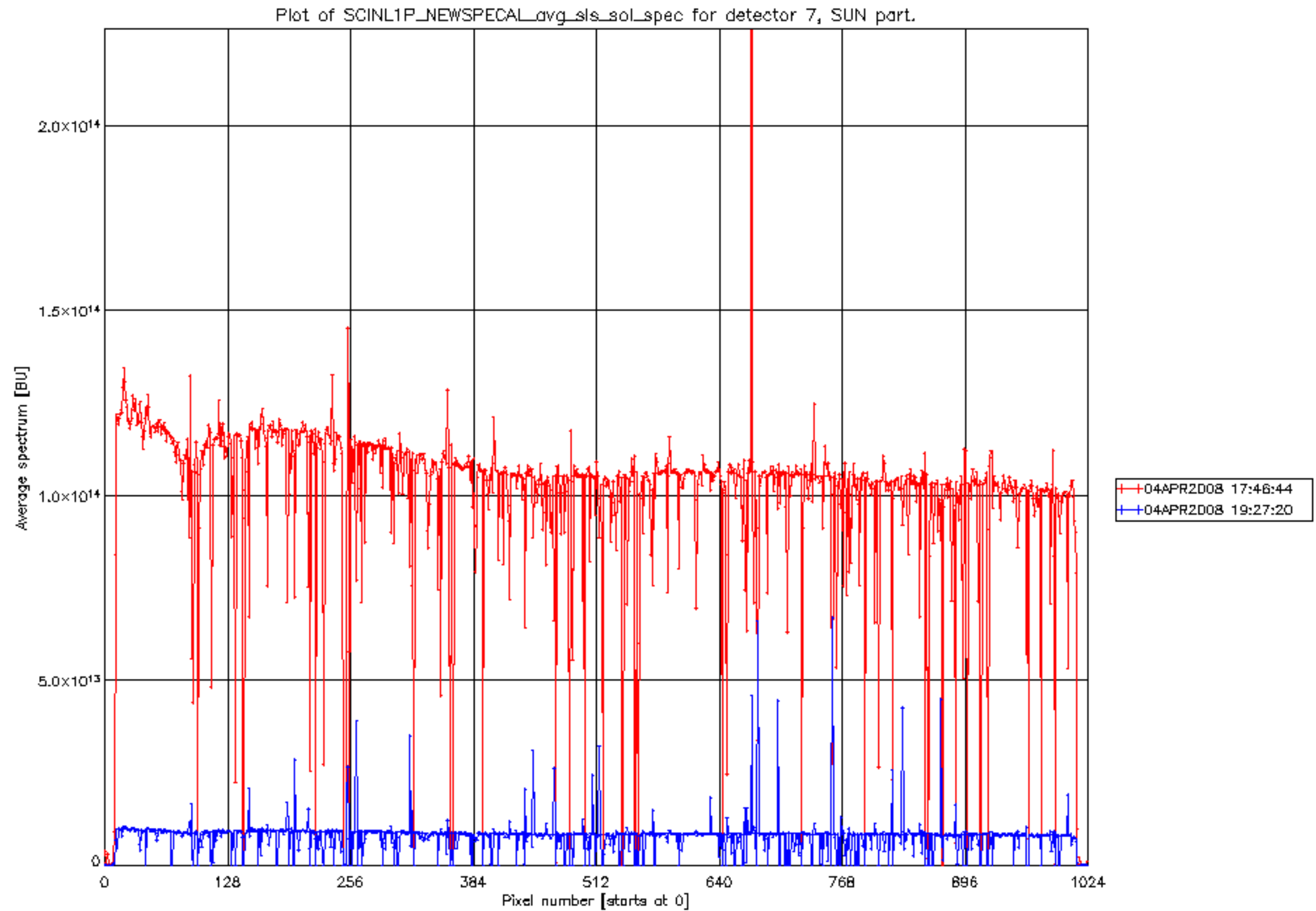


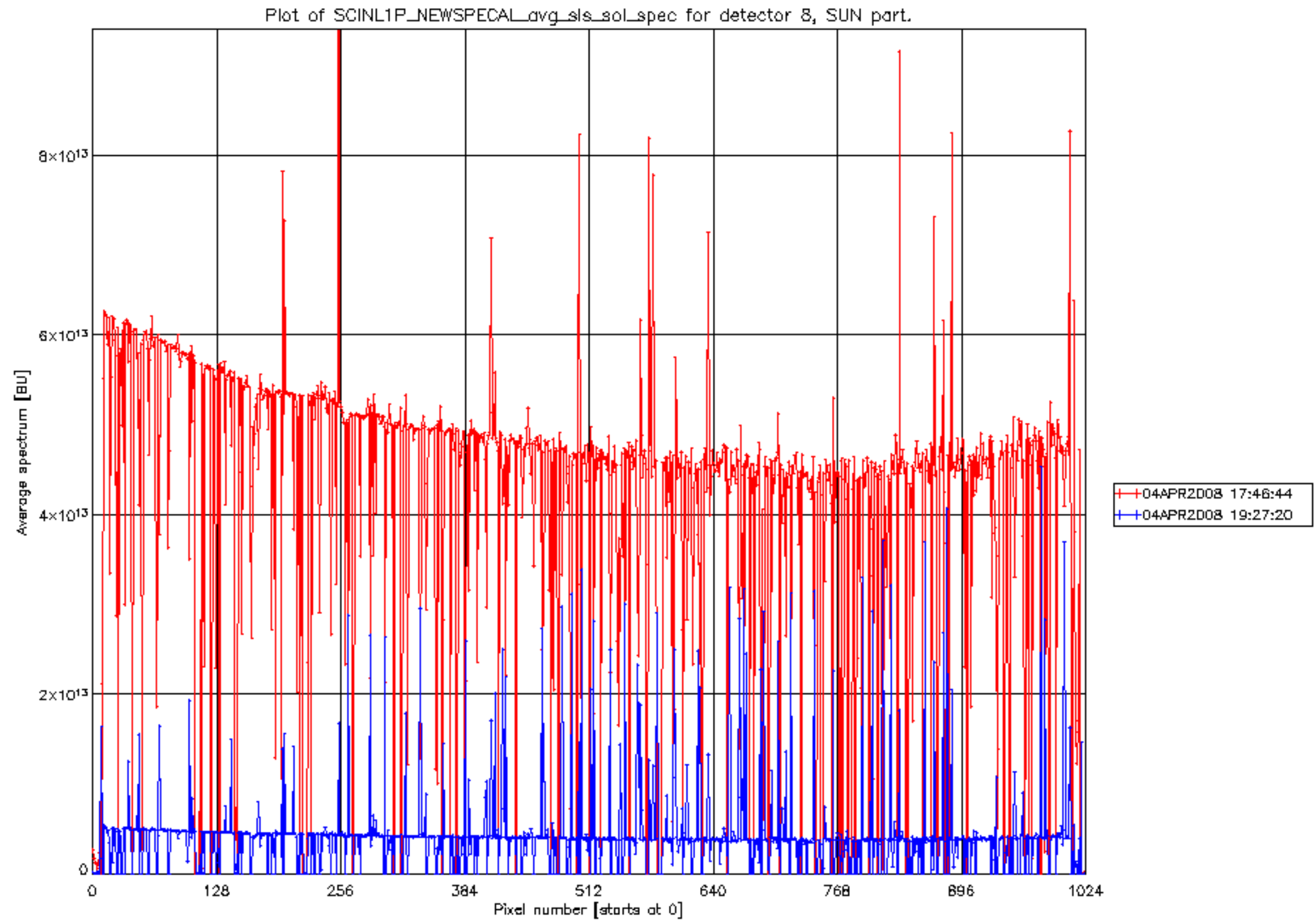


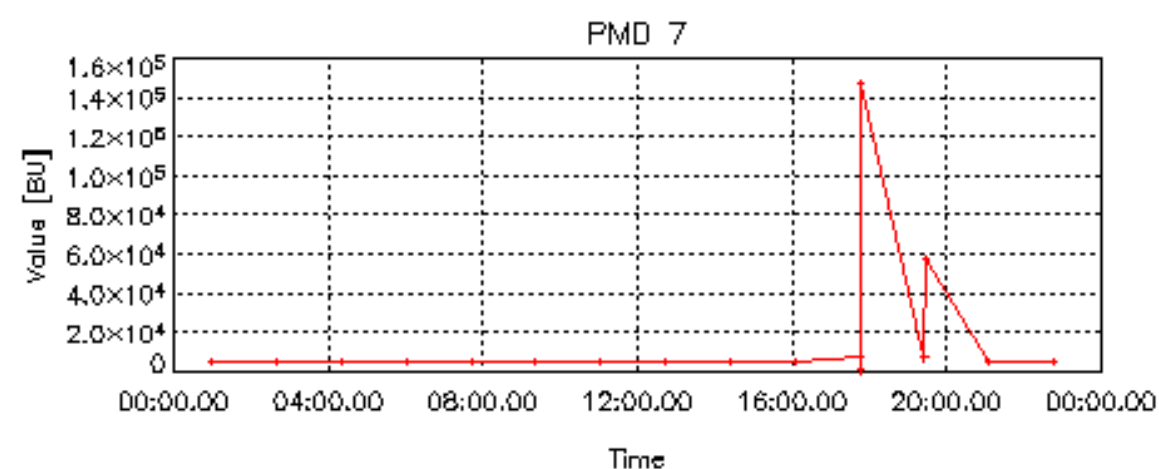
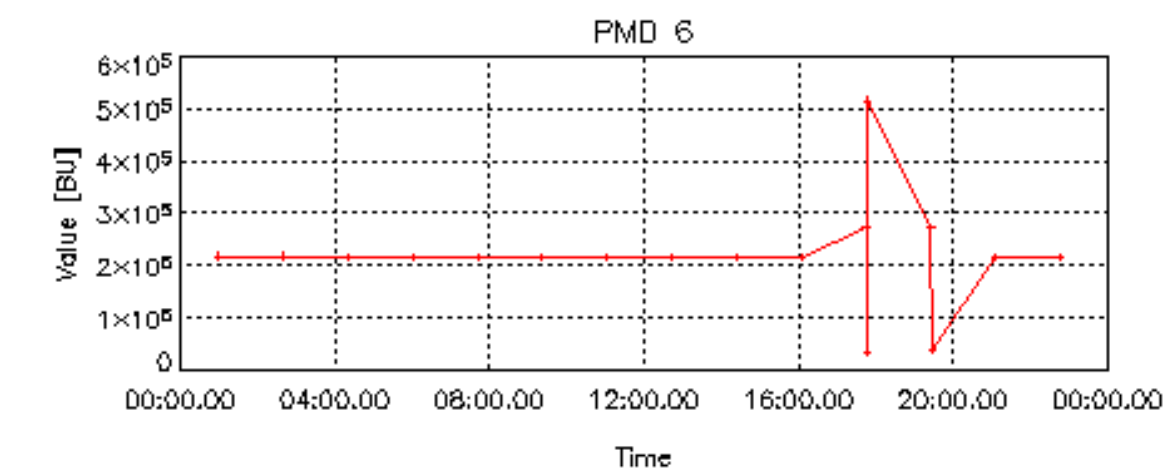
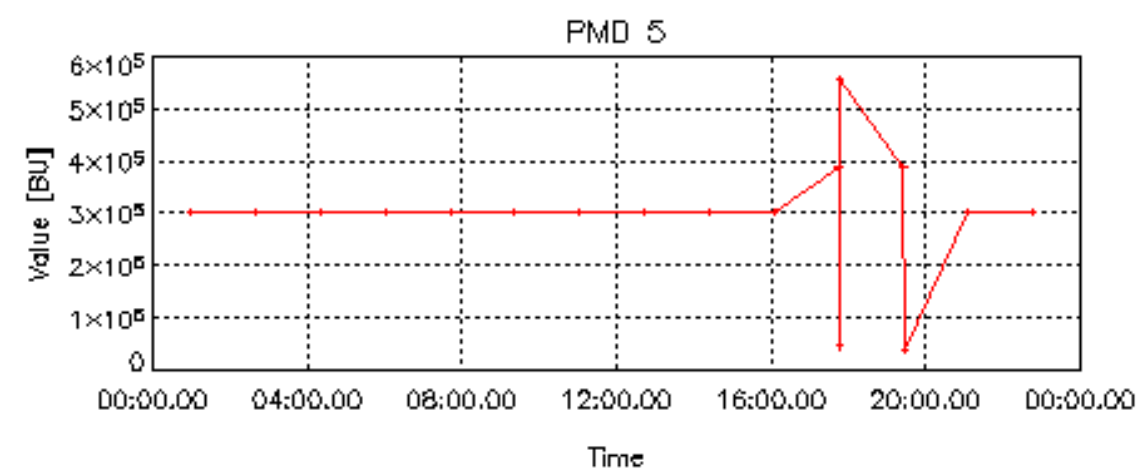
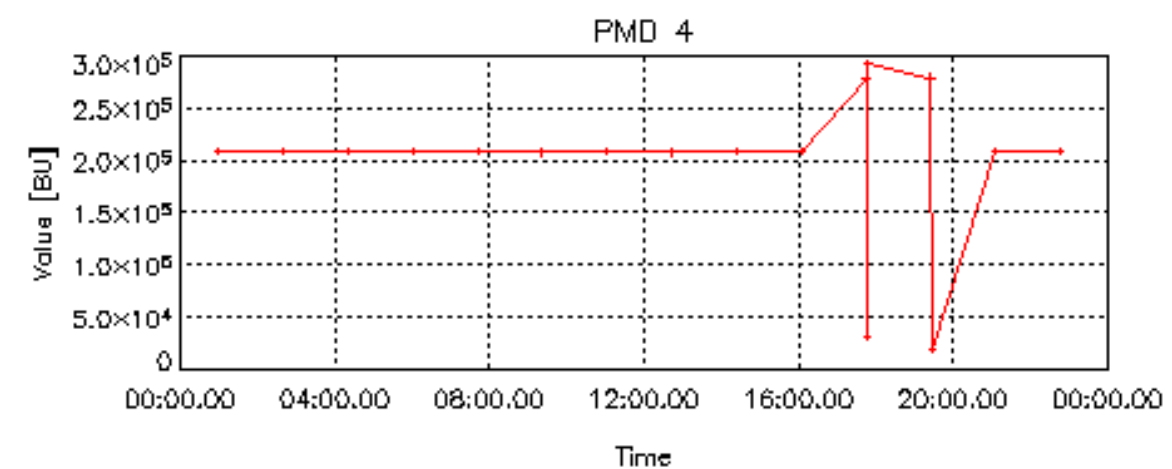
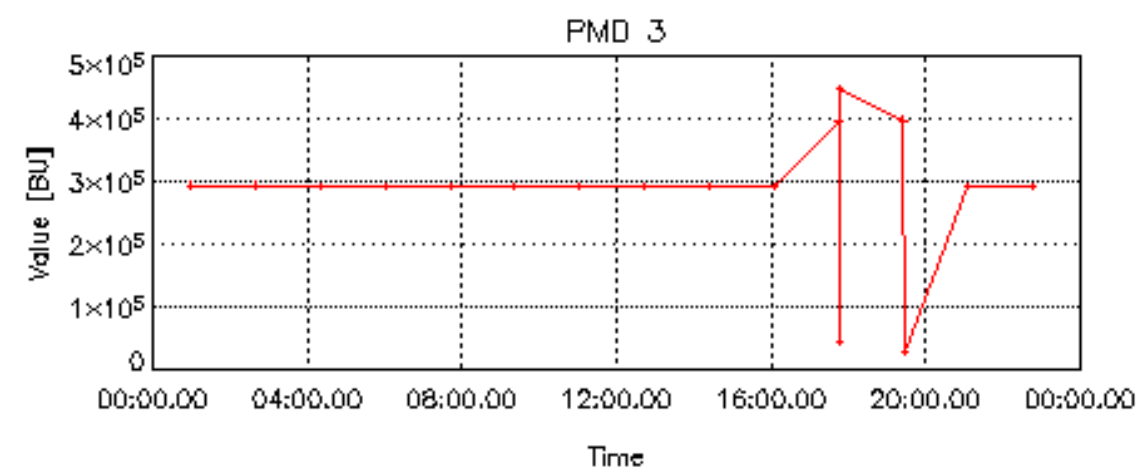
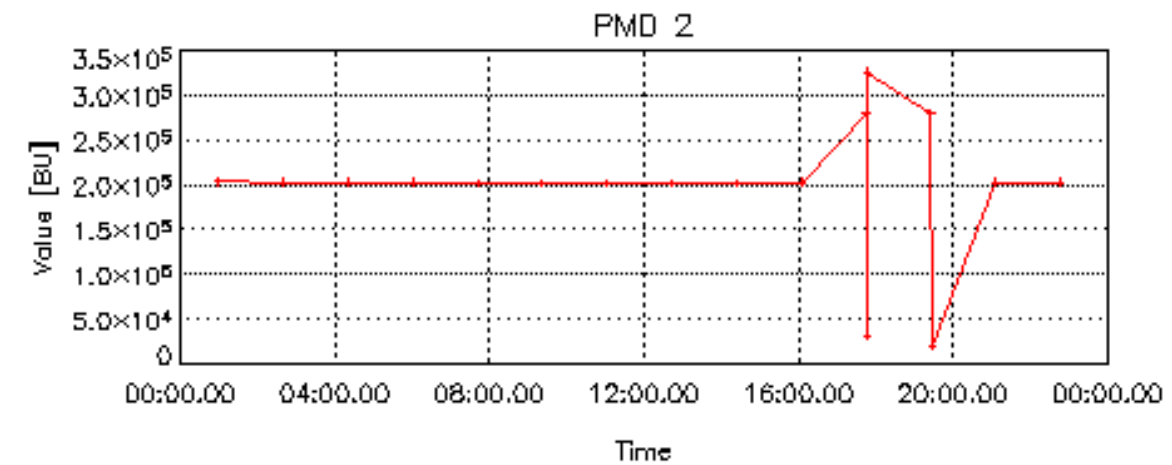
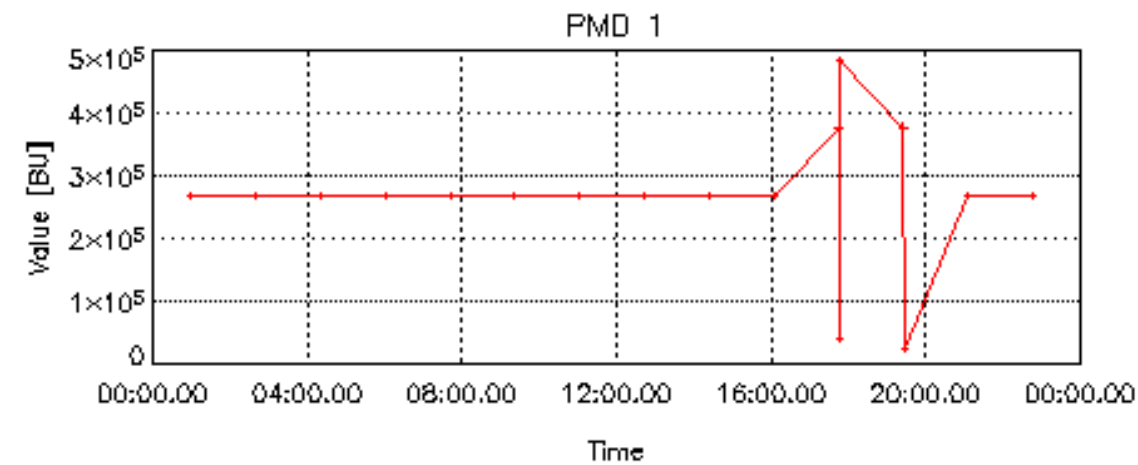


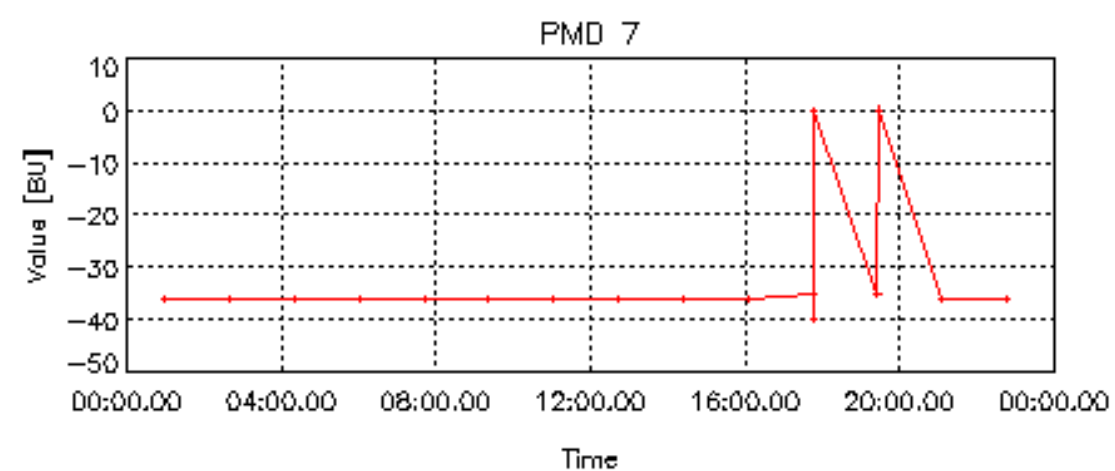
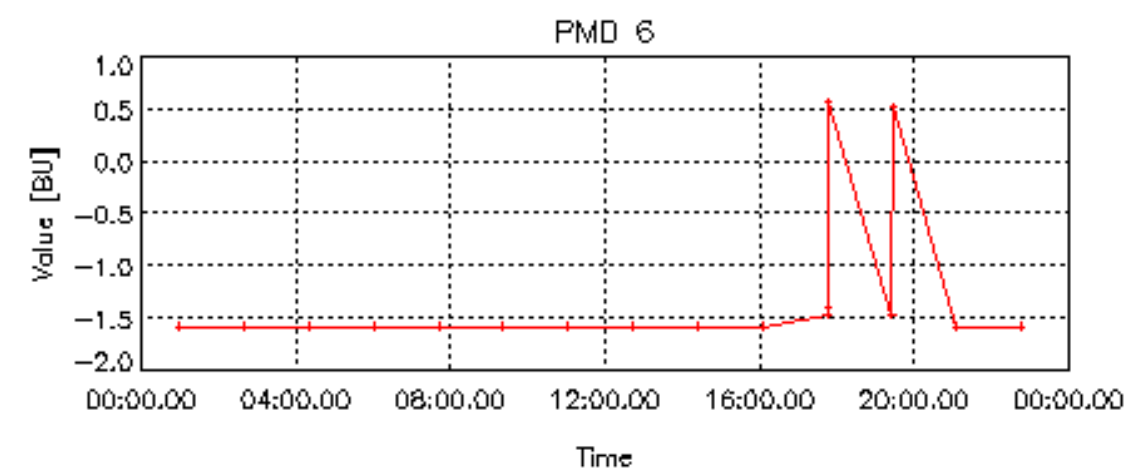
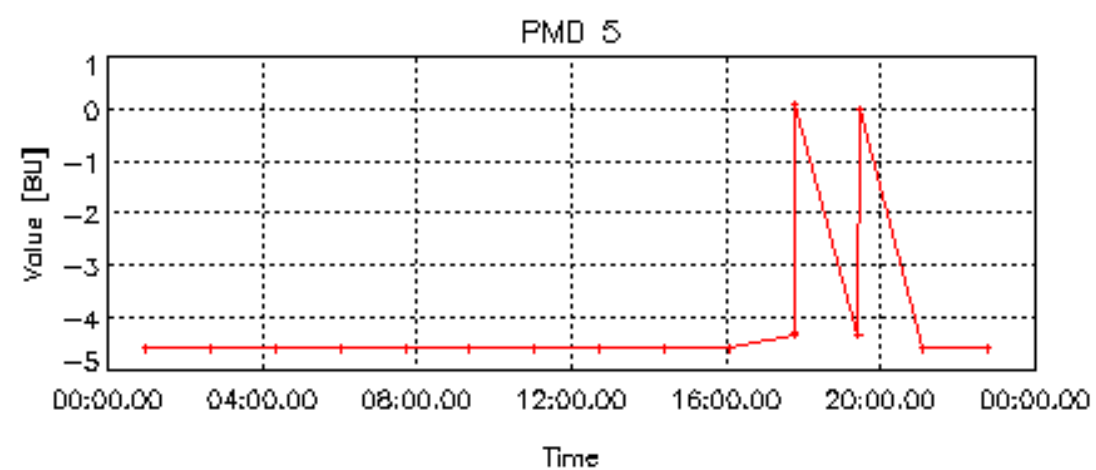
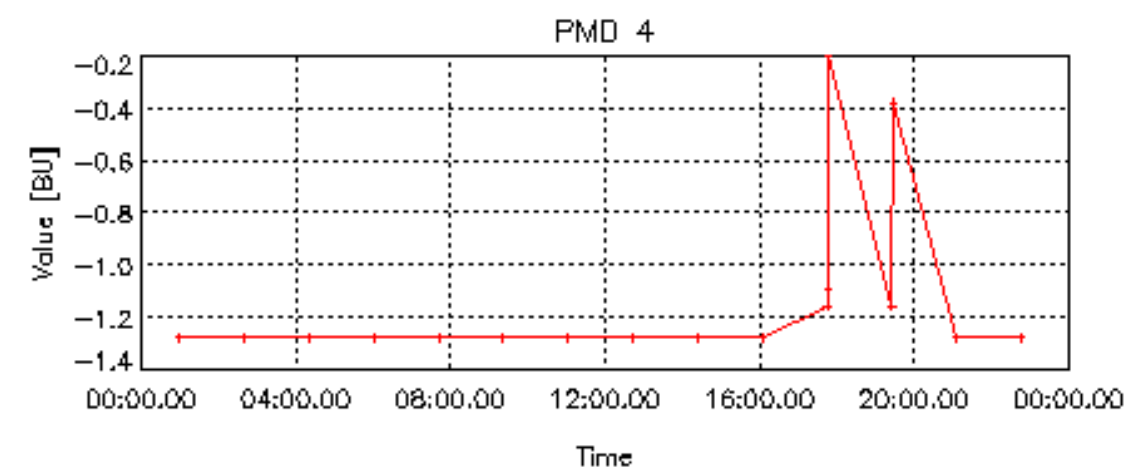
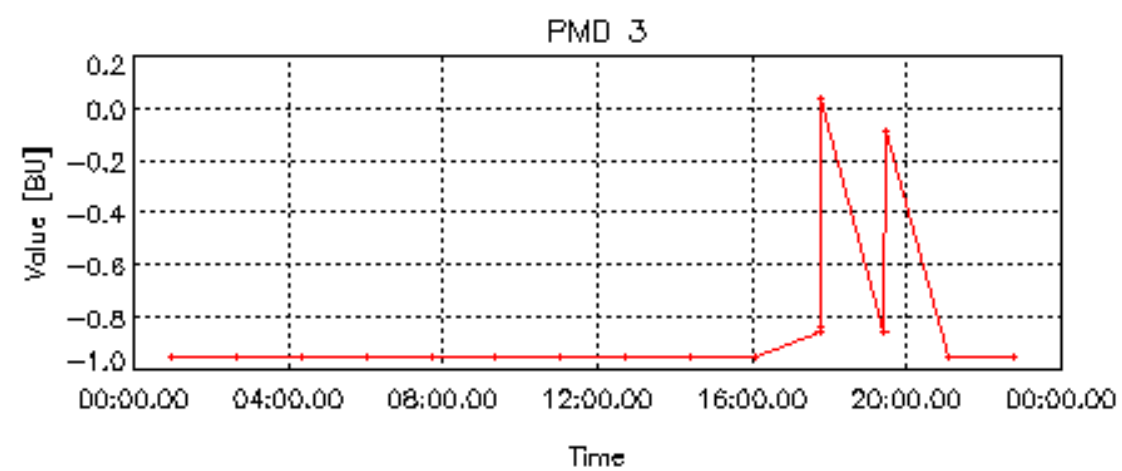
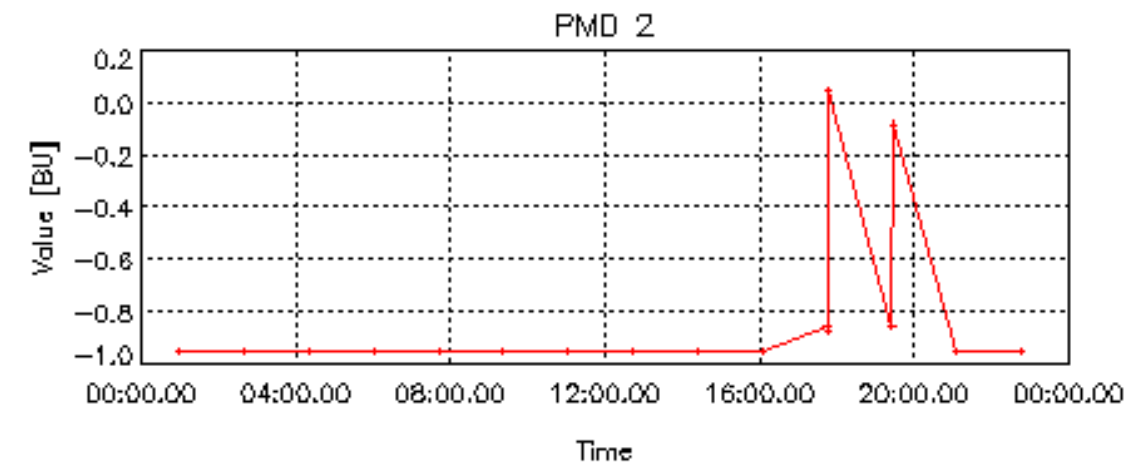
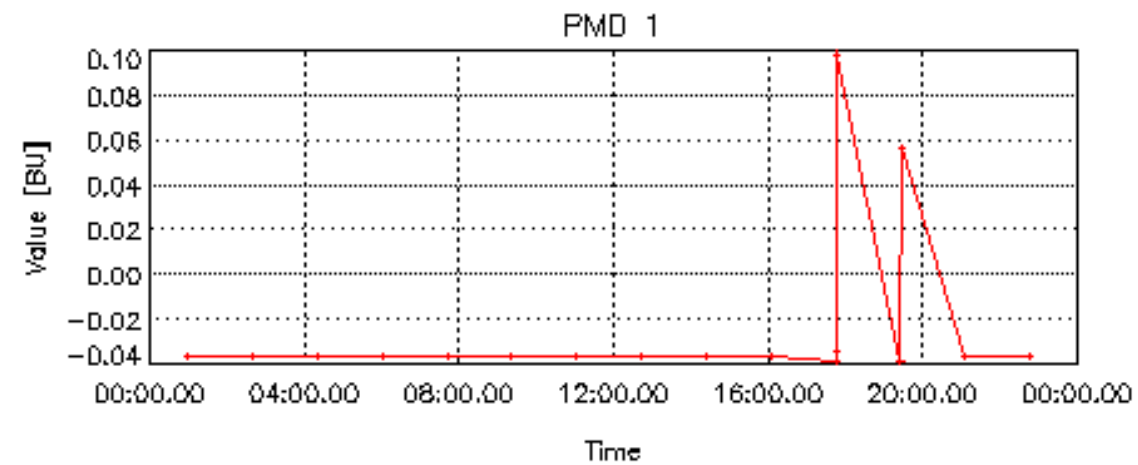


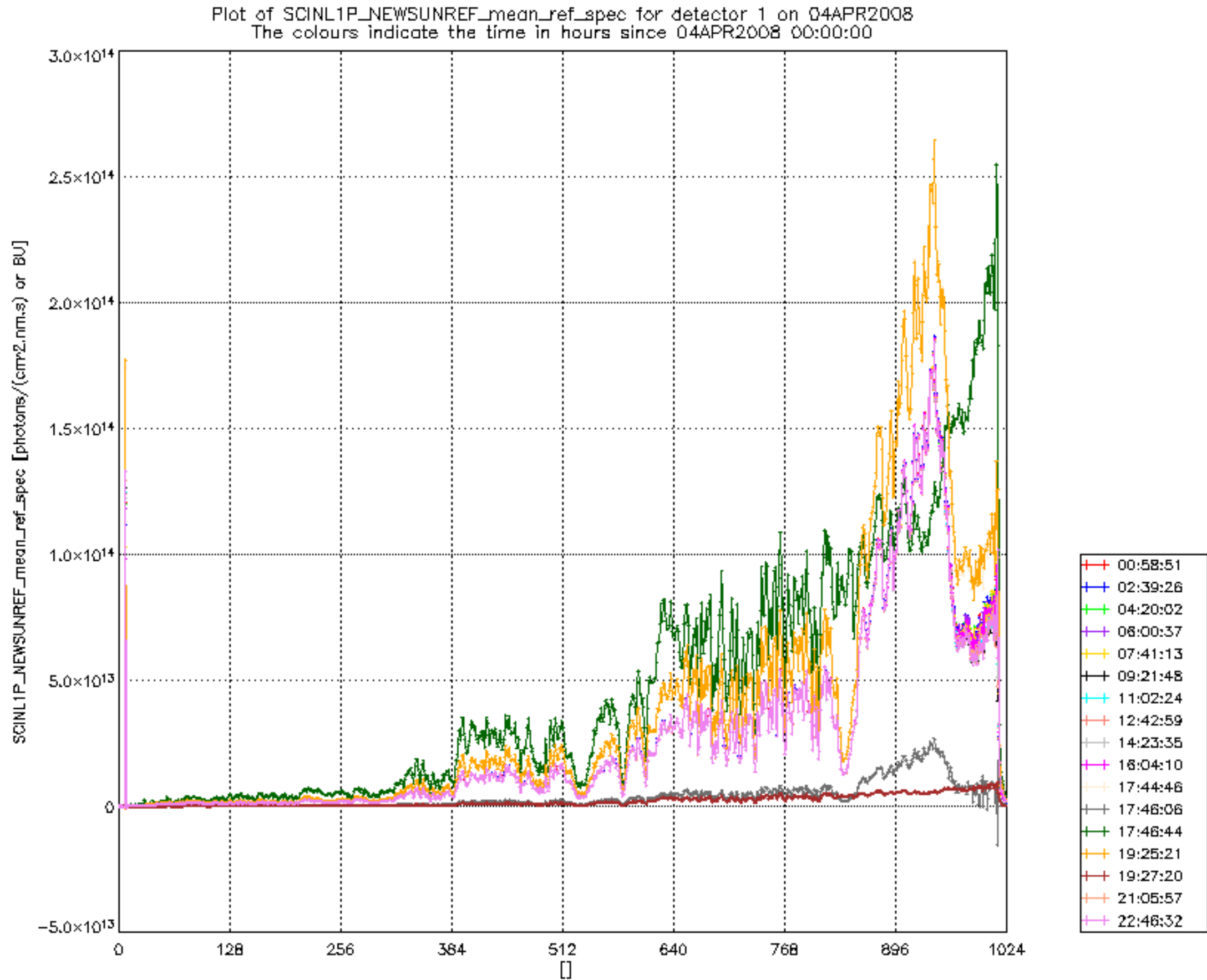




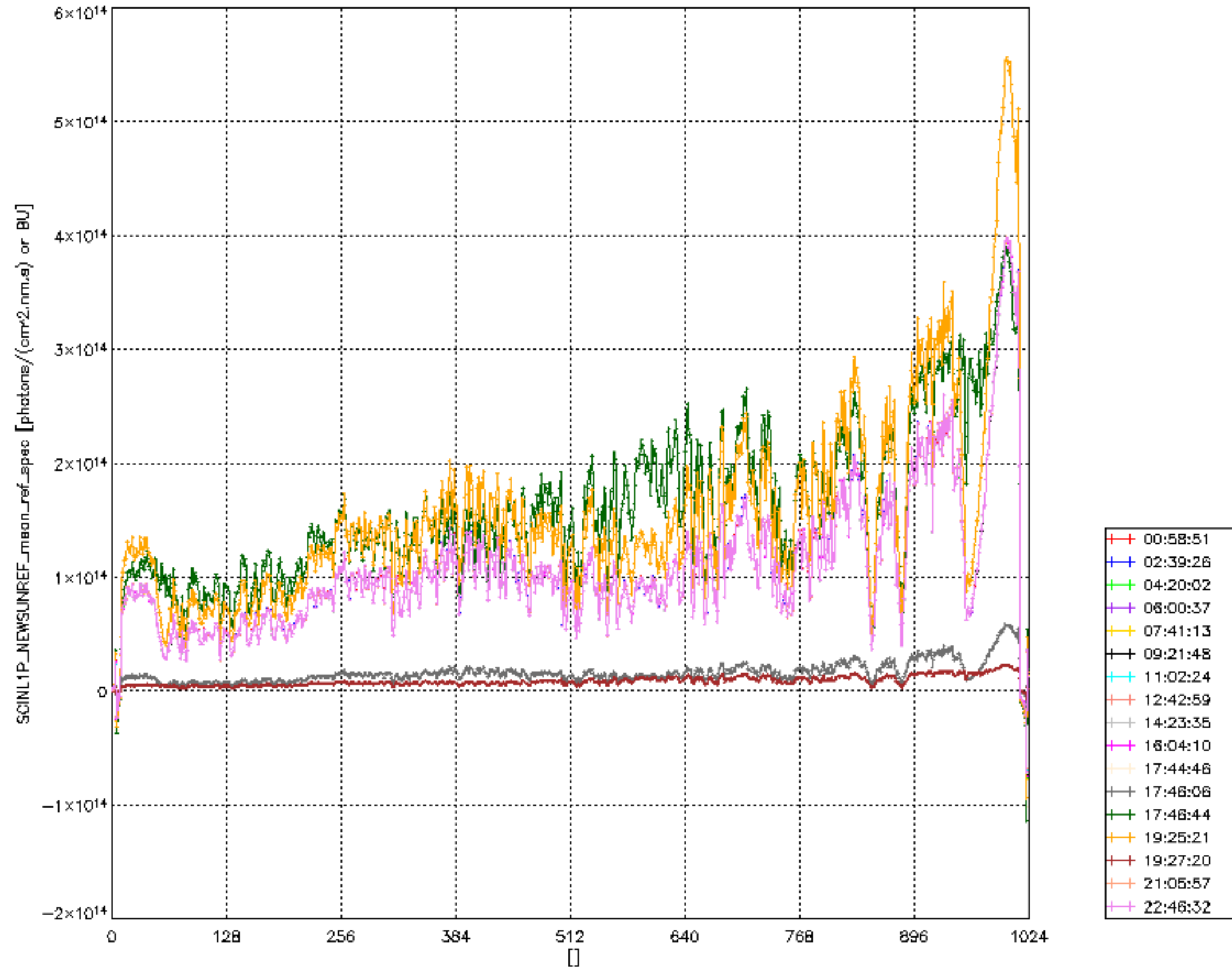




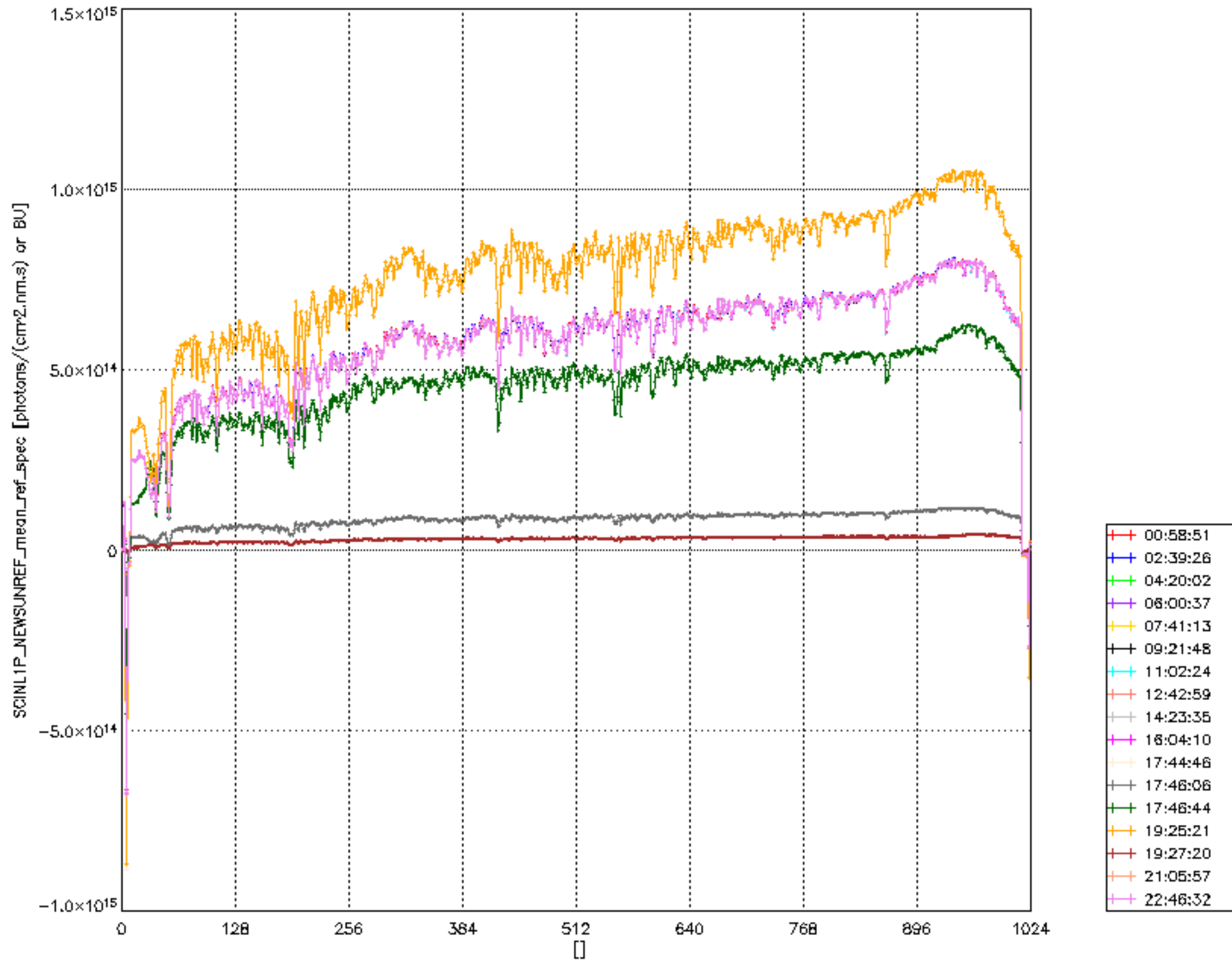




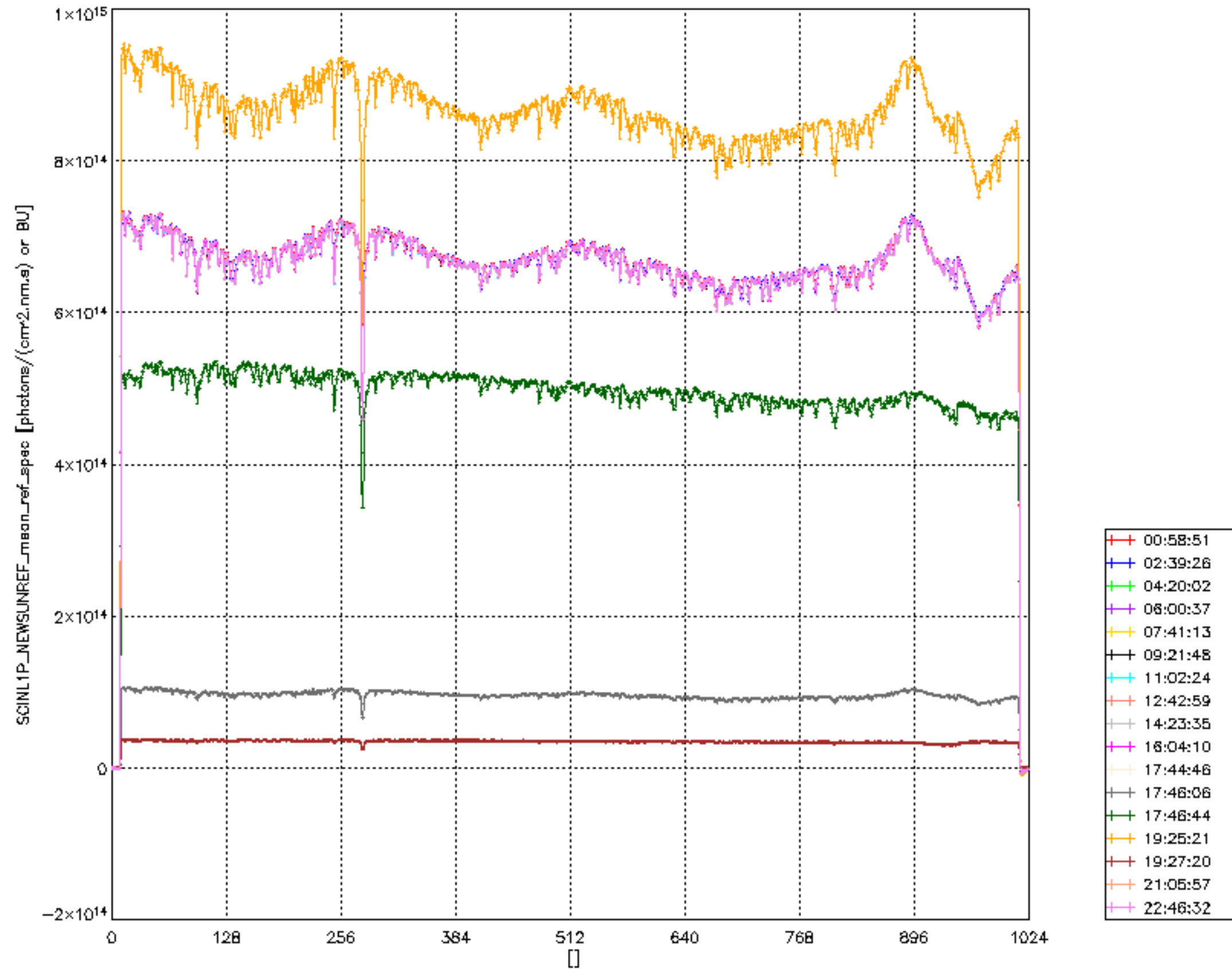
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 2 on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00



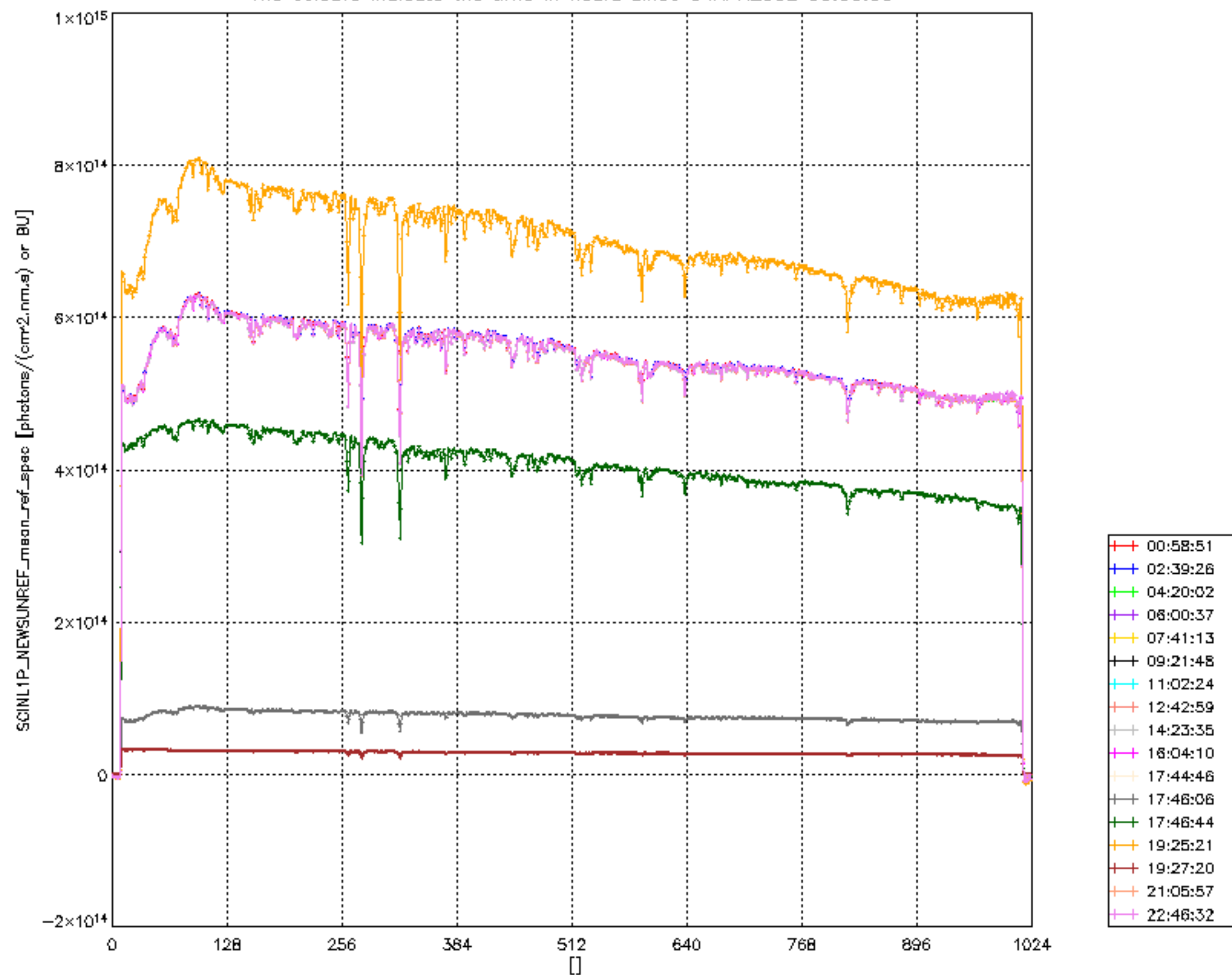
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 3 on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00

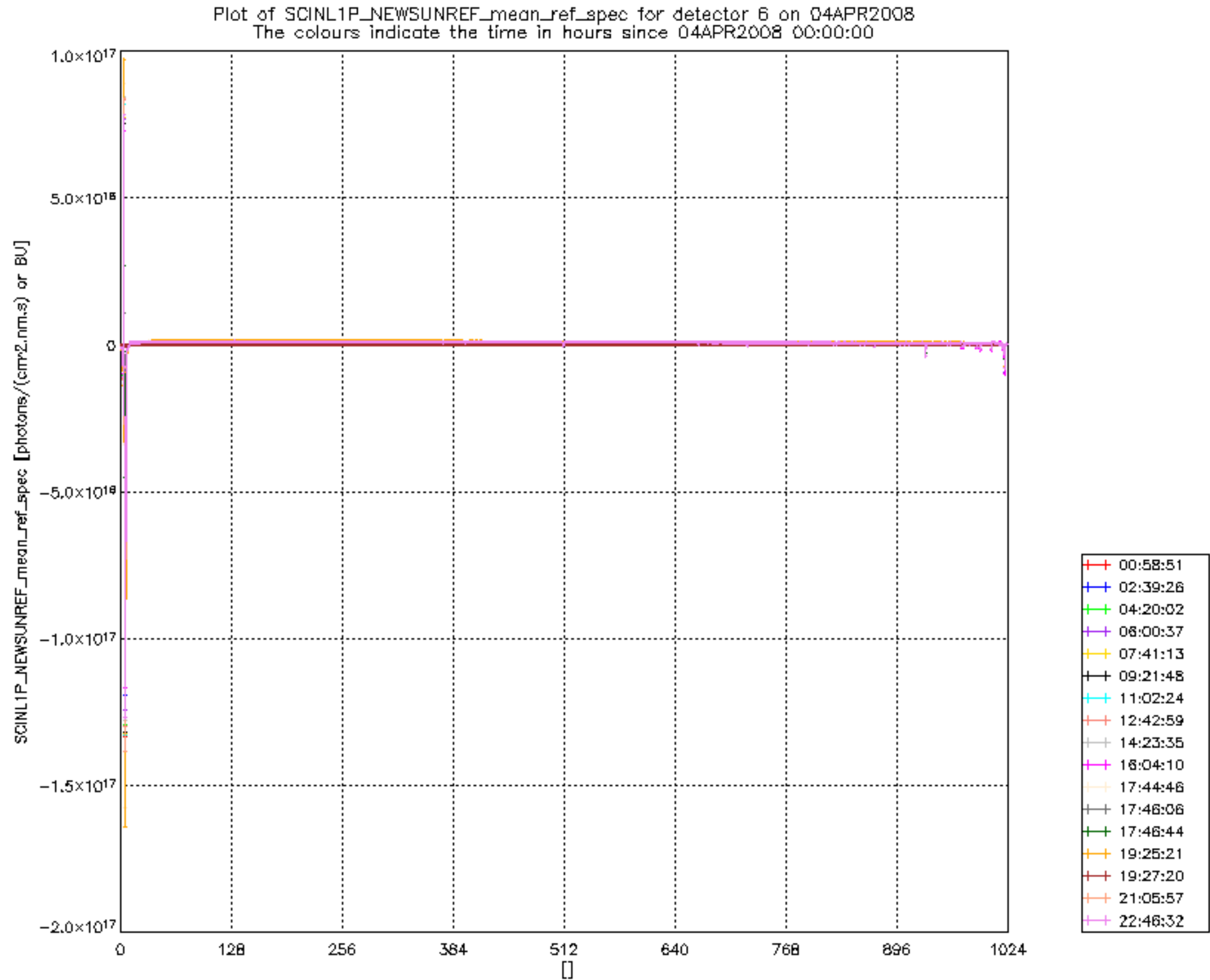


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 4 on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00

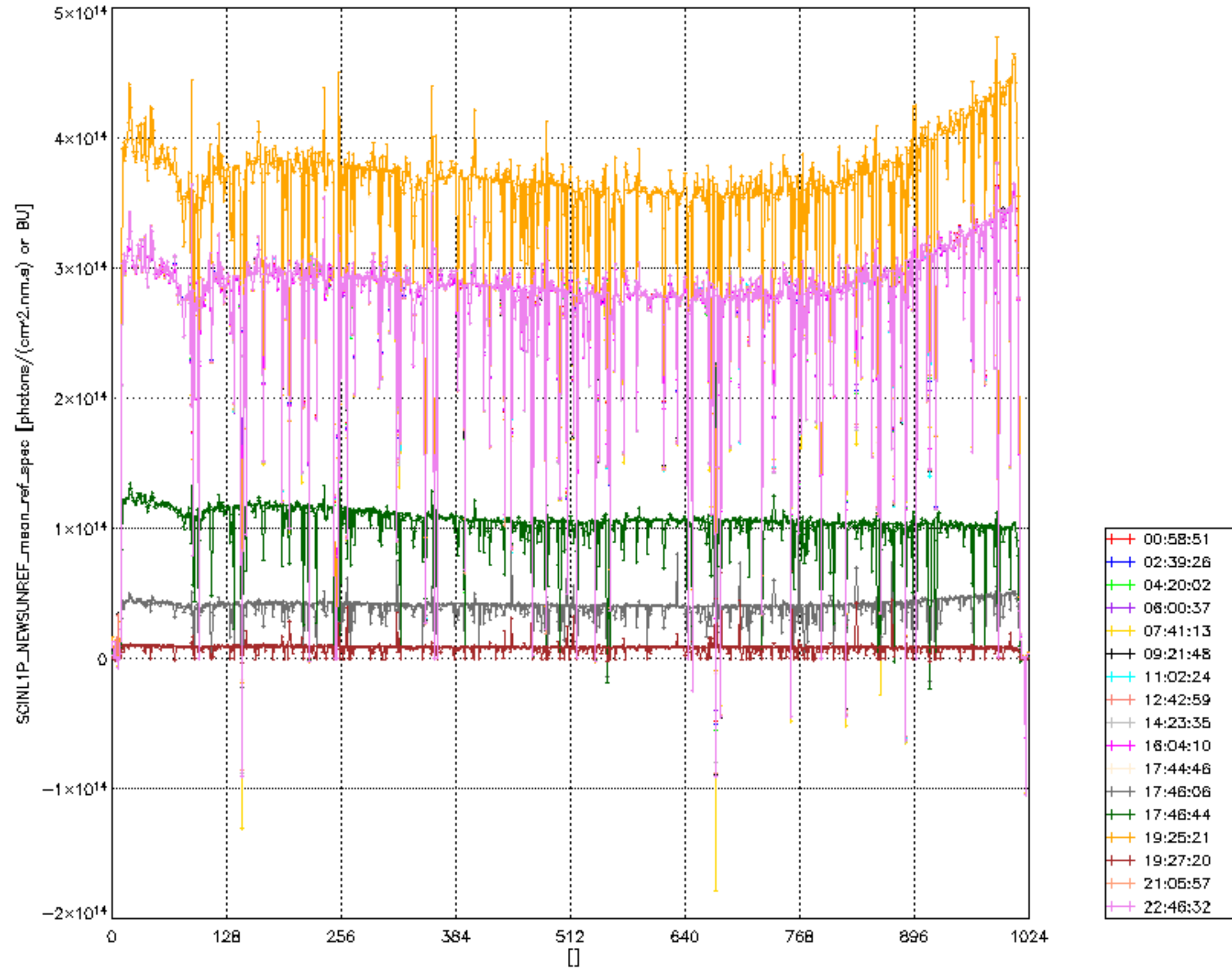


Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 5 on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00

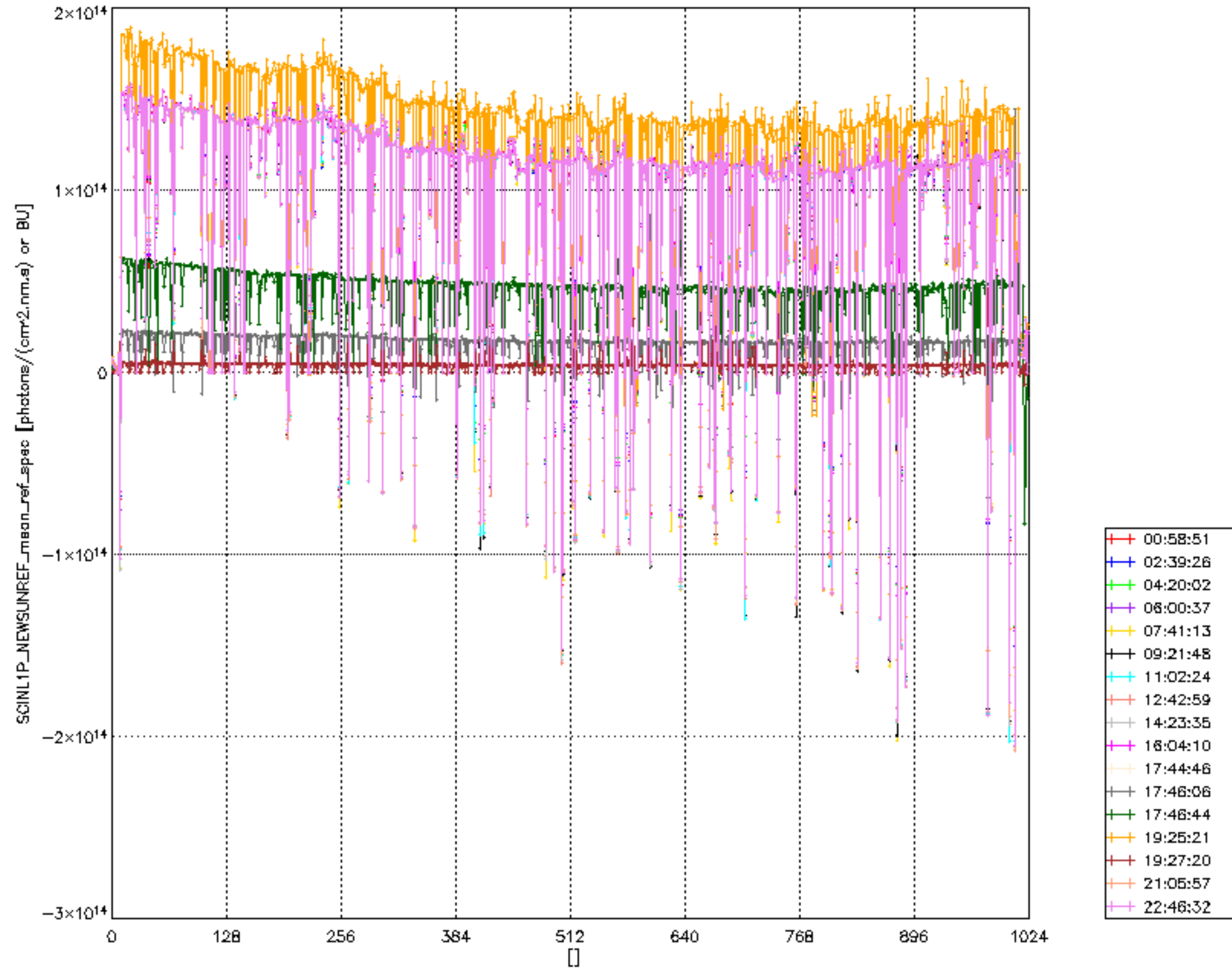




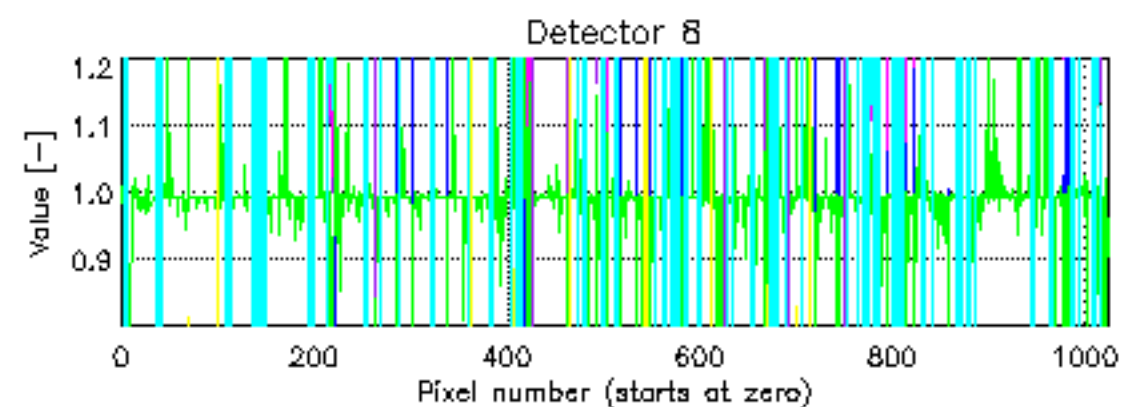
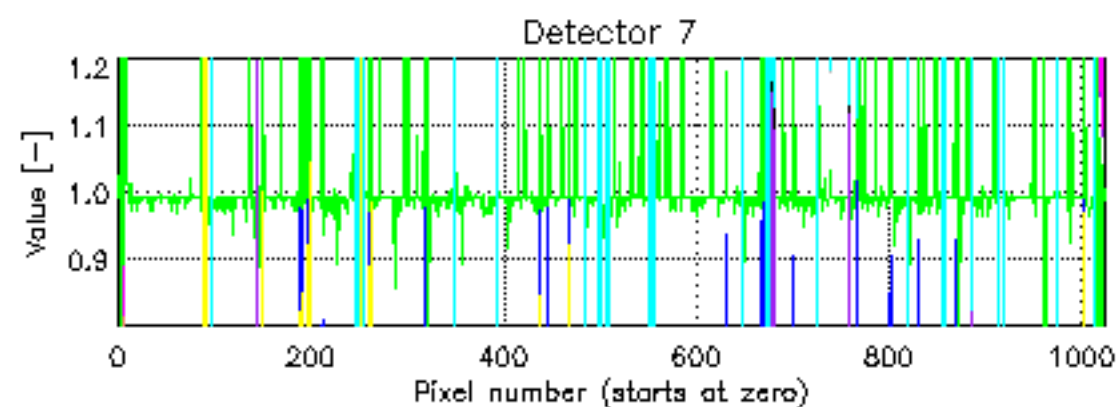
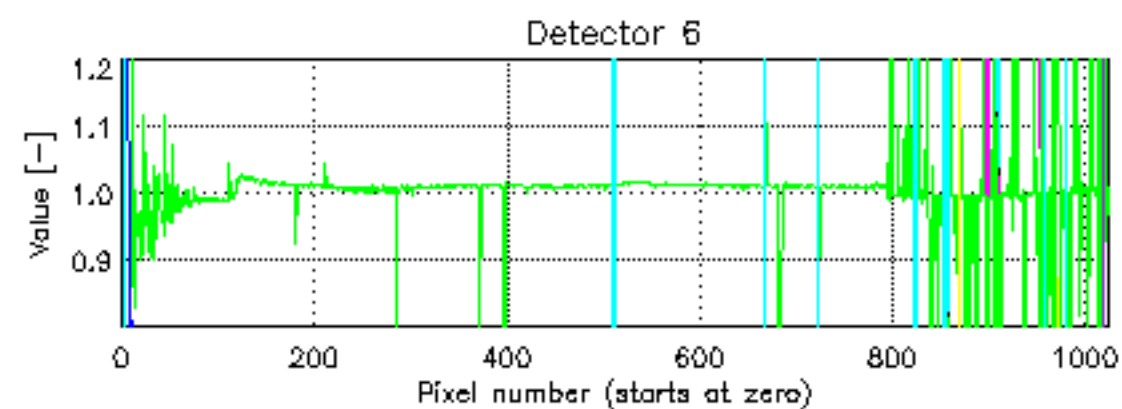
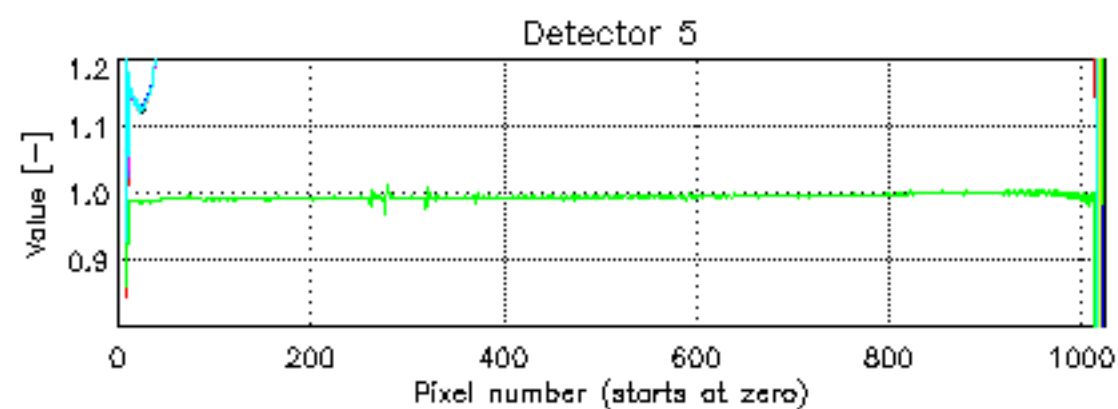
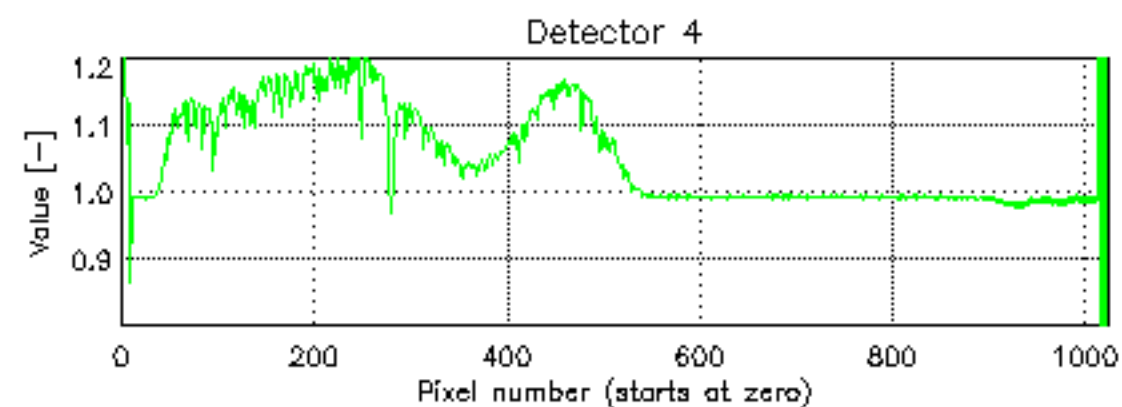
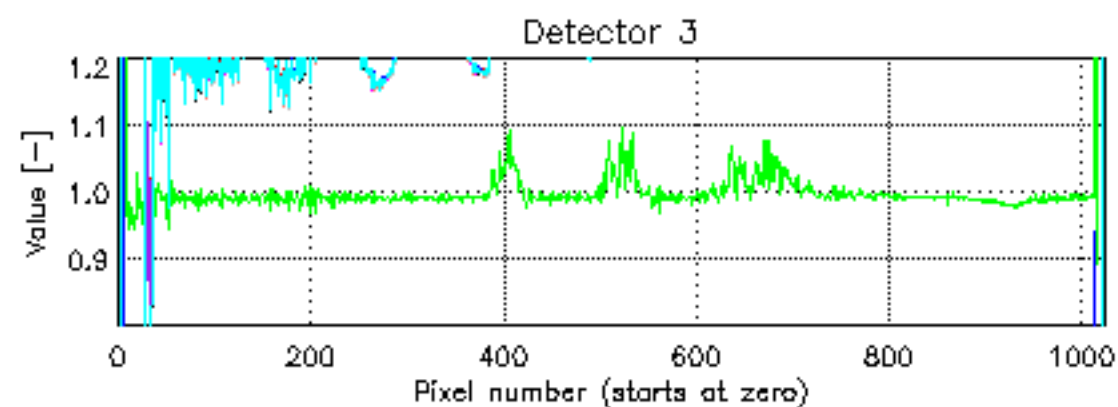
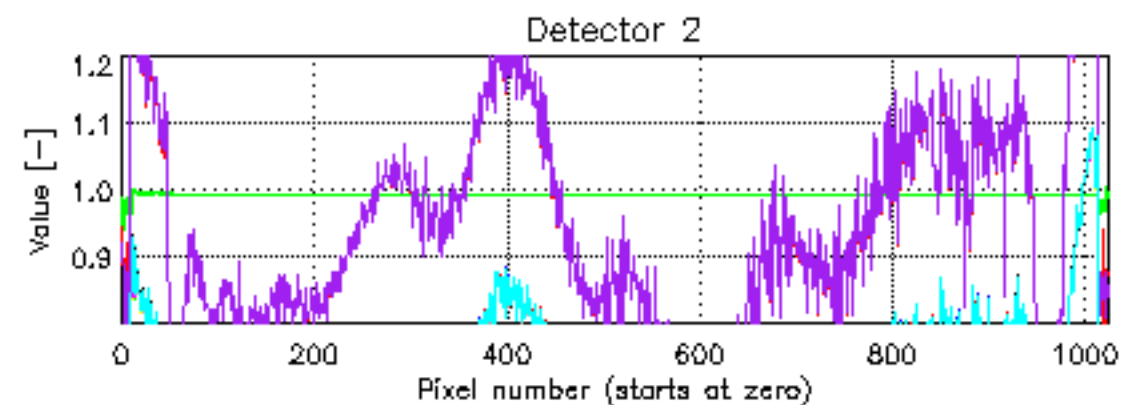
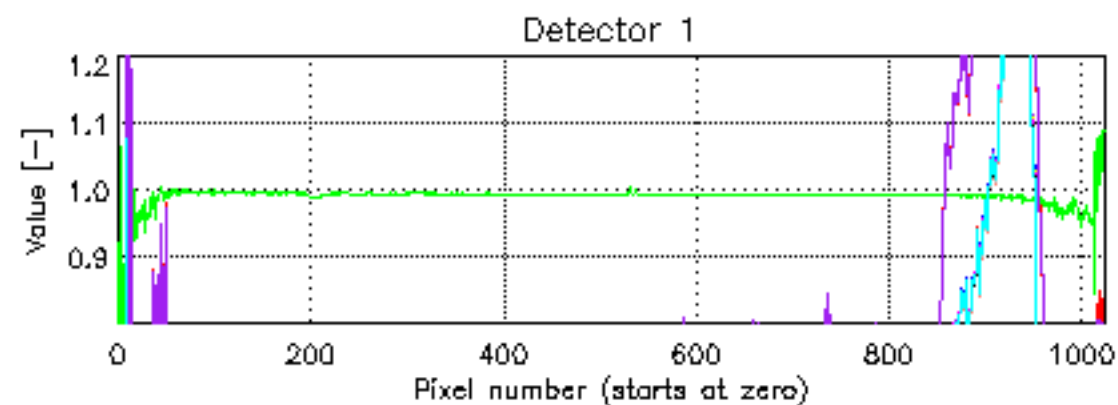
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector 7 on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00

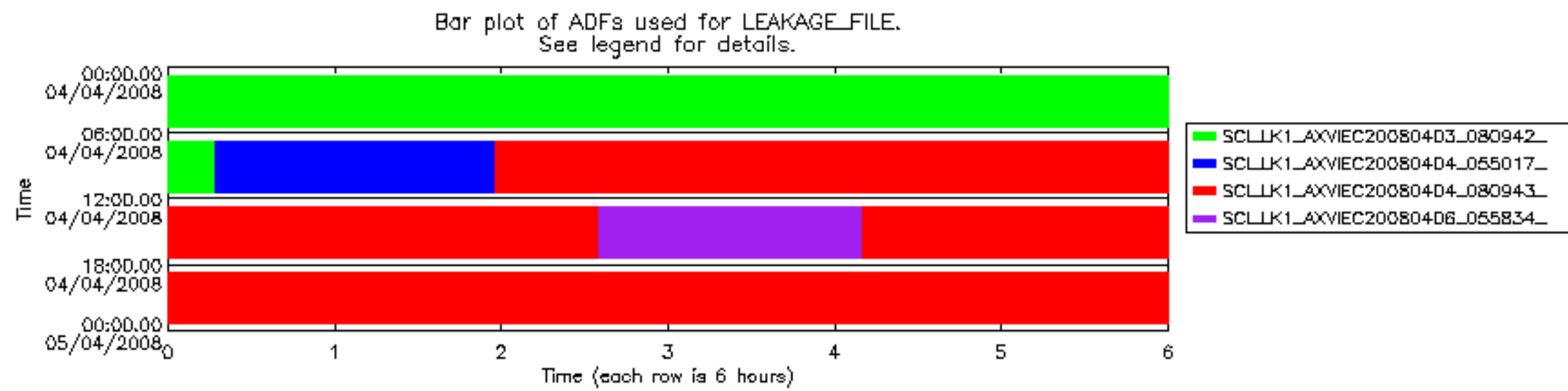


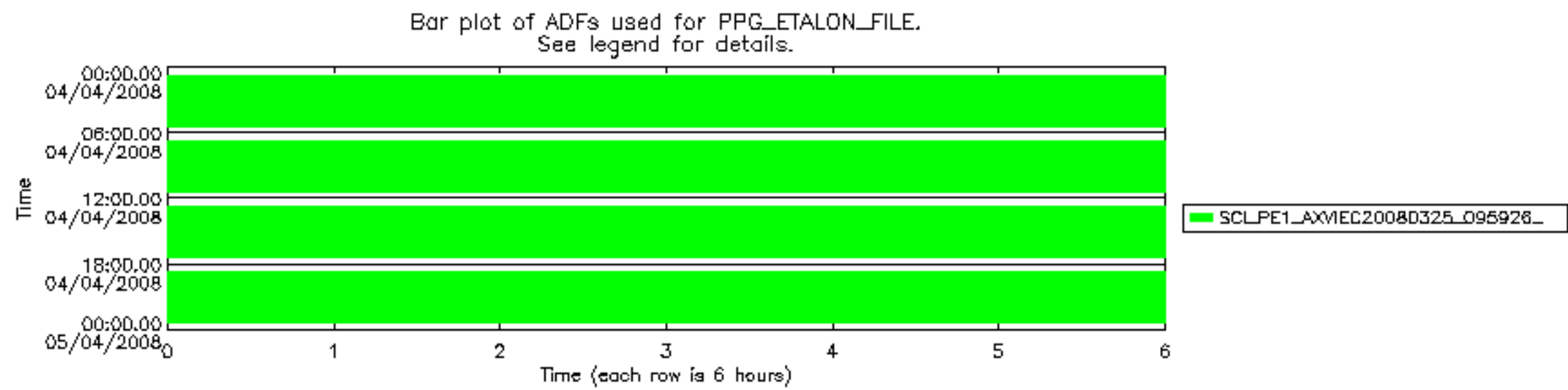
Plot of SCINL1P_NEWSUNREF_mean_ref_spec for detector B on 04APR2008
The colours indicate the time in hours since 04APR2008 00:00:00

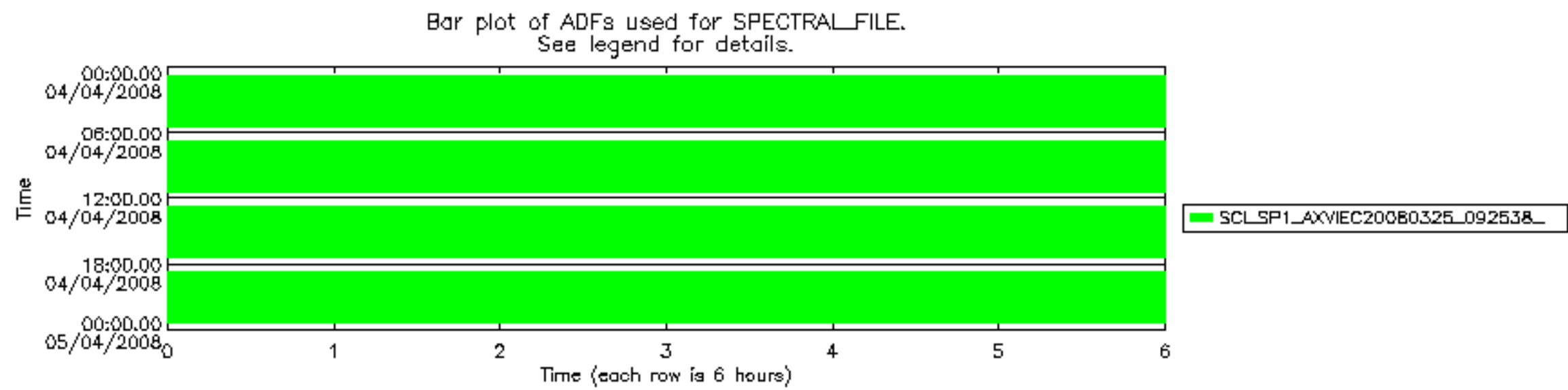


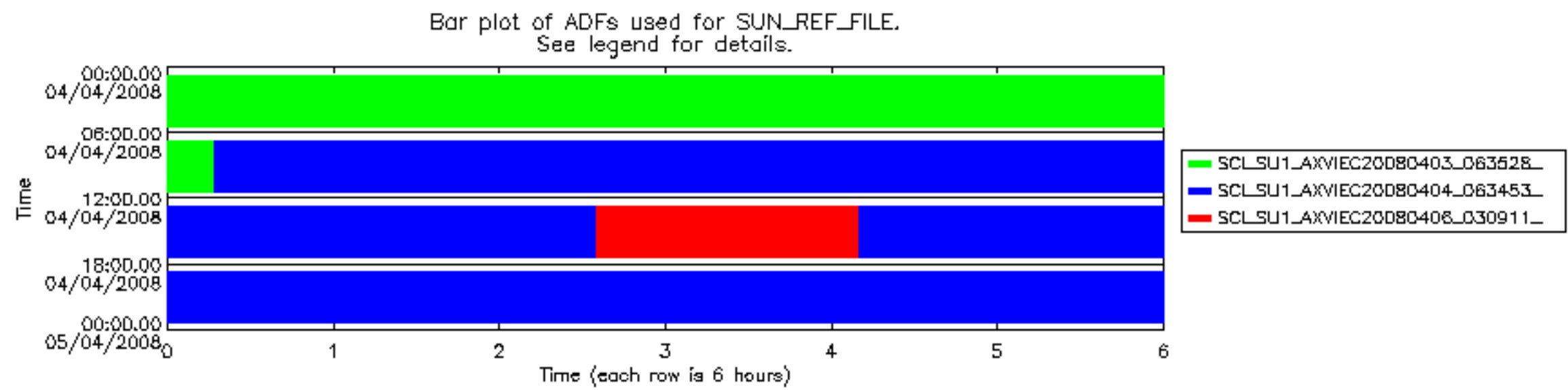
Ratio plot of D0 (ndf=1) sunref data vs. ADF
 ADF: SCLSU1_AXMEC20080403_063528_20080331_181437_20080415_195608

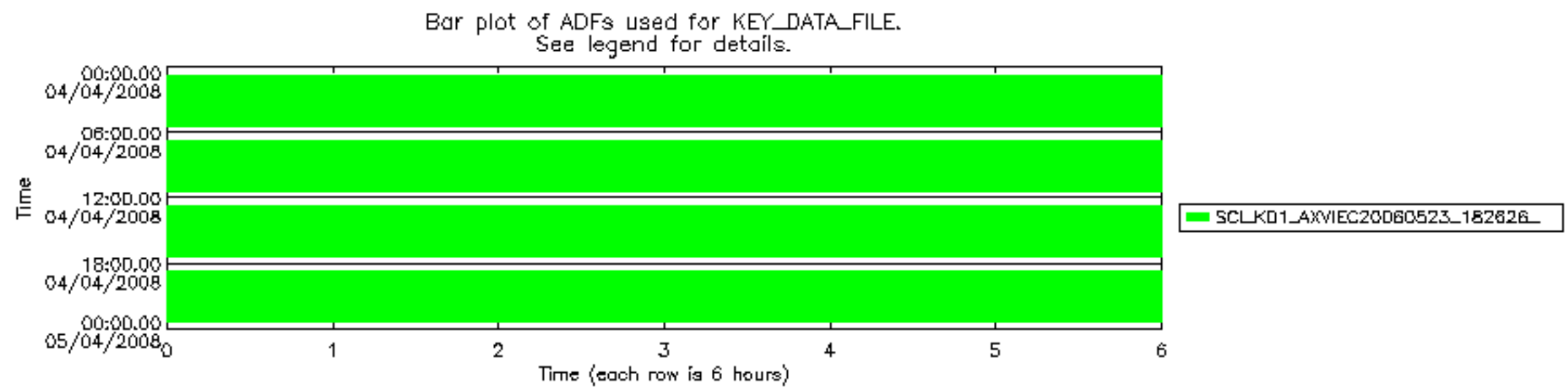


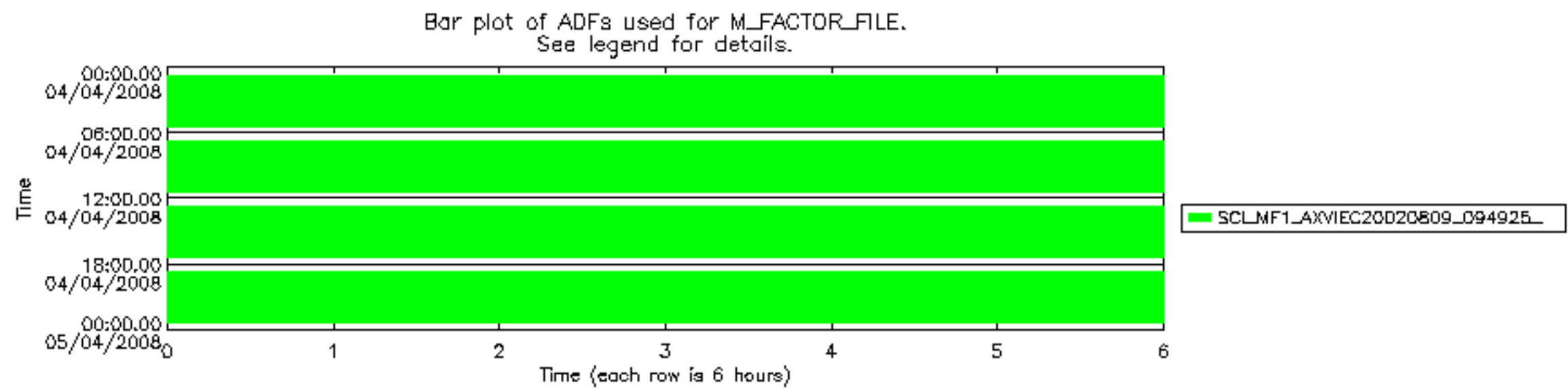


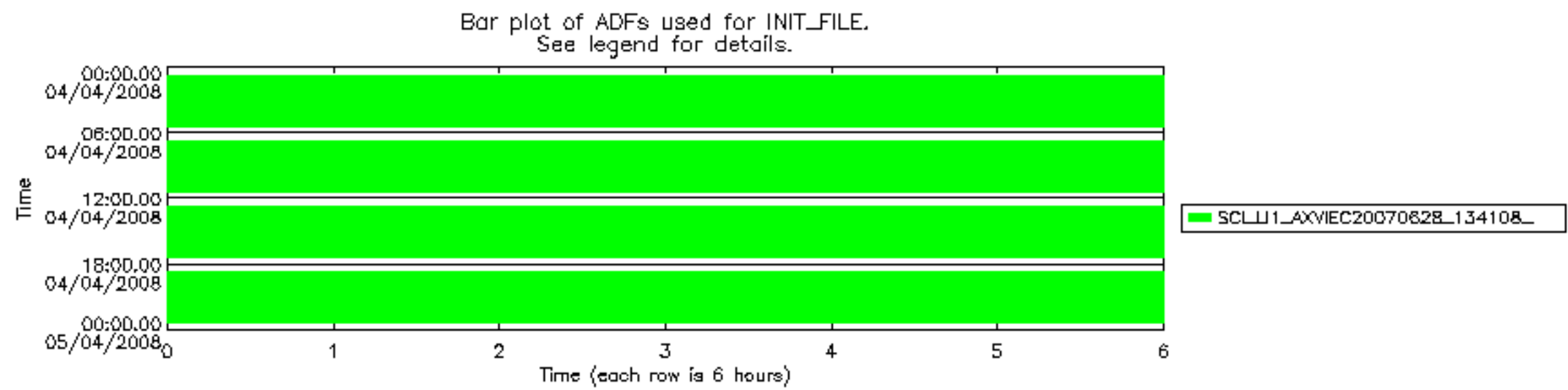


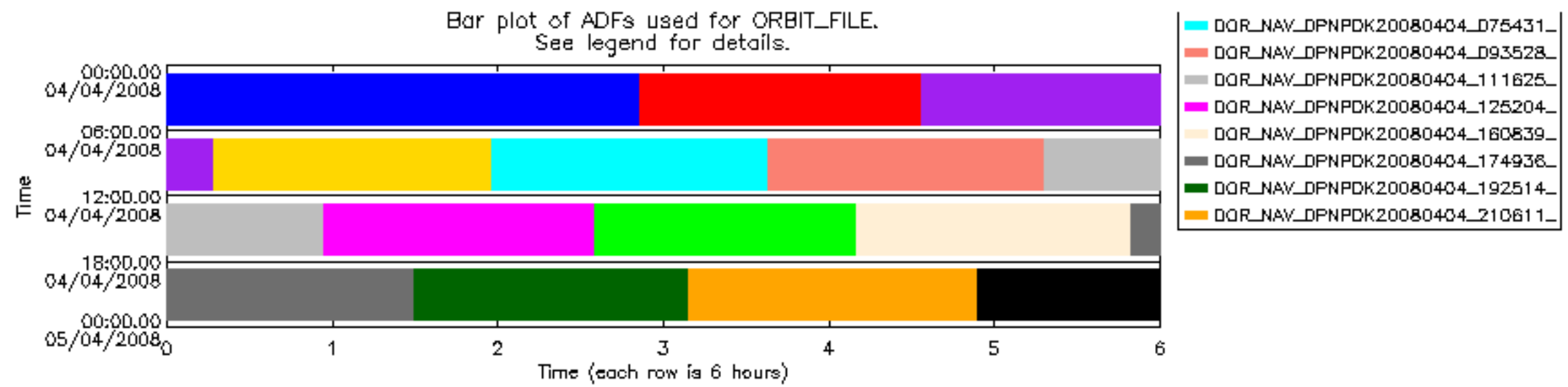


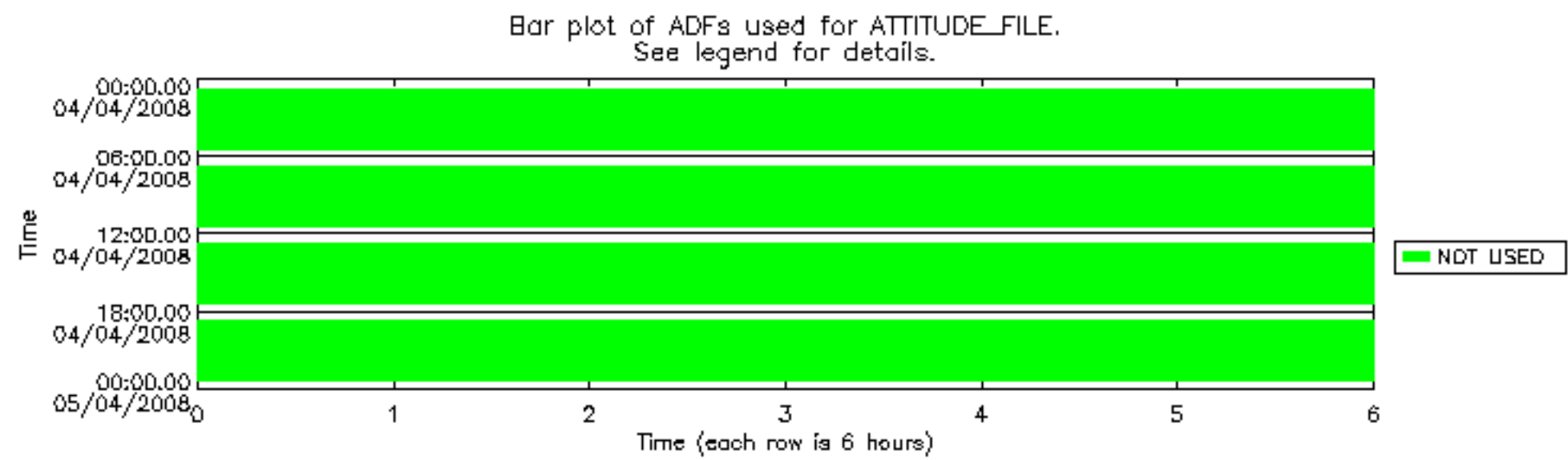












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 04APR2008.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

