

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	21APR2008 02:35:24
Data source version	SCIA/6.03-N
Processing scope for products	18APR2008 00:00:00 to 19APR2008 00:00:00
Start time of first product within scope	17APR2008 23:54:53
Stop time of last product within scope	19APR2008 01:03:14
Total number of level 1 products	21
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__1PNPDE20080417_235453_000059772067_00445_32062_7054.N1	17APR2008 23:54:53	18APR2008 01:34:31	0	32	44	1	1	3	14	0
1	SCI_NL__1PNPDE20080418_013321_000017802067_00446_32063_7202.N1	18APR2008 01:33:21	18APR2008 02:03:01	0	0	19	1	0	2	10	0
2	SCI_NL__1PNPDE20080418_020257_000000212067_00447_32064_7213.N1	18APR2008 02:02:57	18APR2008 02:03:19	0	0	0	0	0	1	0	0
3	SCI_NL__1PNPDE20080418_020439_000000052067_00447_32064_7300.N1	18APR2008 02:04:39	18APR2008 02:04:44	0	0	0	0	0	1	0	0
4	SCI_NL__1PNPDE20080418_020502_000000262067_00447_32064_7371.N1	18APR2008 02:05:02	18APR2008 02:05:28	0	0	0	0	0	1	0	0
5	SCI_NL__1PNPDE20080418_020557_000000152067_00447_32064_7414.N1	18APR2008 02:05:57	18APR2008 02:06:13	0	0	0	0	0	1	0	0
6	SCI_NL__1PNPDE20080418_020802_000000312067_00447_32064_7536.N1	18APR2008 02:08:02	18APR2008 02:08:34	0	0	0	0	0	1	0	0
7	SCI_NL__1PNPDE20080418_025039_000058562067_00447_32064_7651.N1	18APR2008 02:50:39	18APR2008 04:28:16	0	30	44	1	1	3	15	0
8	SCI_NL__1PNPDE20080418_042706_000061502067_00448_32065_7853.N1	18APR2008 04:27:06	18APR2008 06:09:36	0	32	46	1	1	3	15	0
9	SCI_NL__1PNPDK20080418_060837_000041152067_00449_32066_6216.N1	18APR2008 06:08:37	18APR2008 07:17:13	0	16	30	1	1	3	15	0
10	SCI_NL__1PNPDK20080418_071602_000061512067_00450_32067_6663.N1	18APR2008 07:16:02	18APR2008 08:58:34	0	32	46	1	1	3	13	2
11	SCI_NL__1PNPDK20080418_085746_000059762067_00451_32068_6975.N1	18APR2008 08:57:46	18APR2008 10:37:23	0	32	46	1	1	1	15	0
12	SCI_NL__1PNPDK20080418_103617_000060962067_00452_32069_7114.N1	18APR2008 10:36:17	18APR2008 12:17:53	0	33	45	1	1	2	13	2
13	SCI_NL__1PNPDK20080418_121653_000060012067_00453_32070_7230.N1	18APR2008 12:16:53	18APR2008 13:56:54	0	32	44	1	1	3	15	0
14	SCI_NL__1PNPDK20080418_135524_000059712067_00454_32071_7460.N1	18APR2008 13:55:24	18APR2008 15:34:55	0	32	44	1	1	3	13	2
15	SCI_NL__1PNPDK20080418_153246_000058392067_00455_32072_7529.N1	18APR2008 15:32:46	18APR2008 17:10:06	0	30	43	2	2	2	15	0
16	SCI_NL__1PNPDK20080418_170835_000061562067_00456_32073_7714.N1	18APR2008 17:08:35	18APR2008 18:51:12	0	28	26	1	15	2	29	4
17	SCI_NL__1PNPDK20080418_184925_000060222067_00457_32074_7948.N1	18APR2008 18:49:25	18APR2008 20:29:48	0	0	4	1	6	3	113	2
18	SCI_NL__1PNPDE20080418_202831_000044102067_00458_32075_8363.N1	18APR2008 20:28:31	18APR2008 21:42:01	0	0	0	0	2	2	91	0
19	SCI_NL__1PNPDE20080418_213941_000062232067_00458_32075_8505.N1	18APR2008 21:39:41	18APR2008 23:23:24	0	56	7	1	5	2	29	0
20	SCI_NL__1PNPDE20080418_232102_000061322067_00459_32076_8708.N1	18APR2008 23:21:02	19APR2008 01:03:14	0	56	15	0	1	3	15	0

1.2 Product Quality Indicators

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

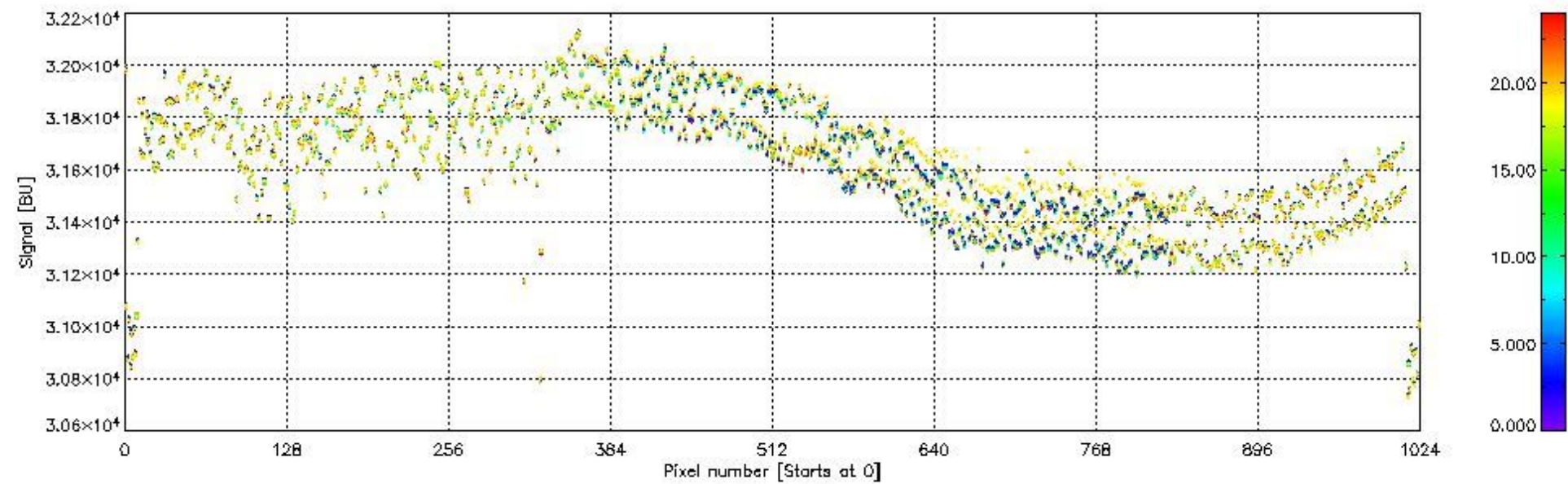
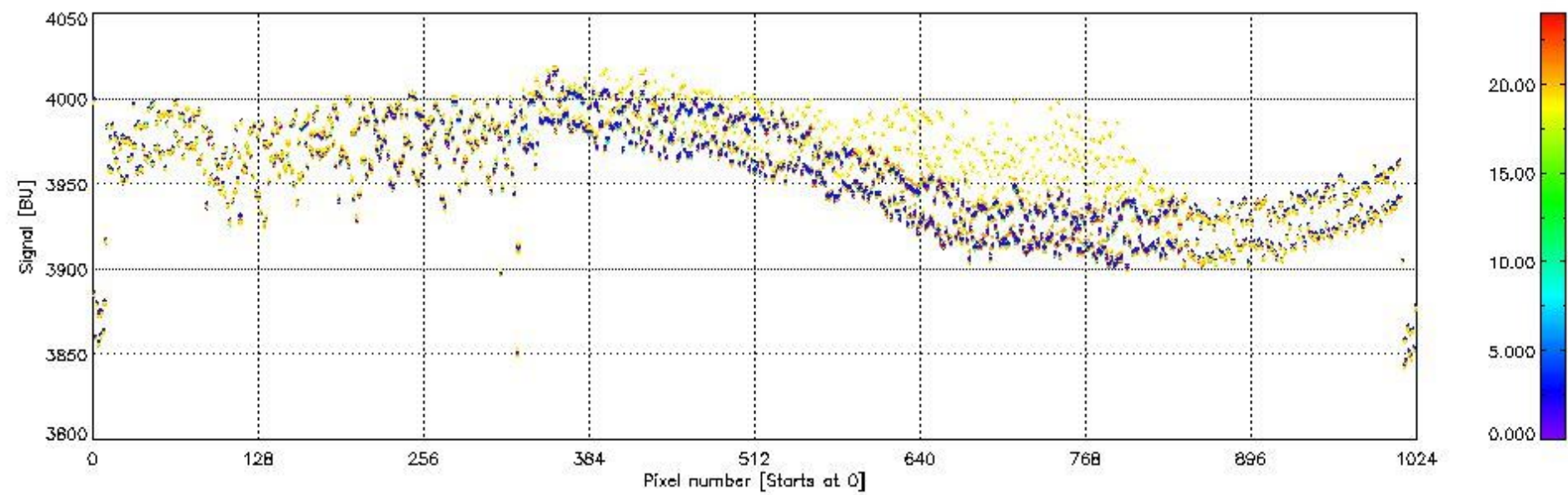
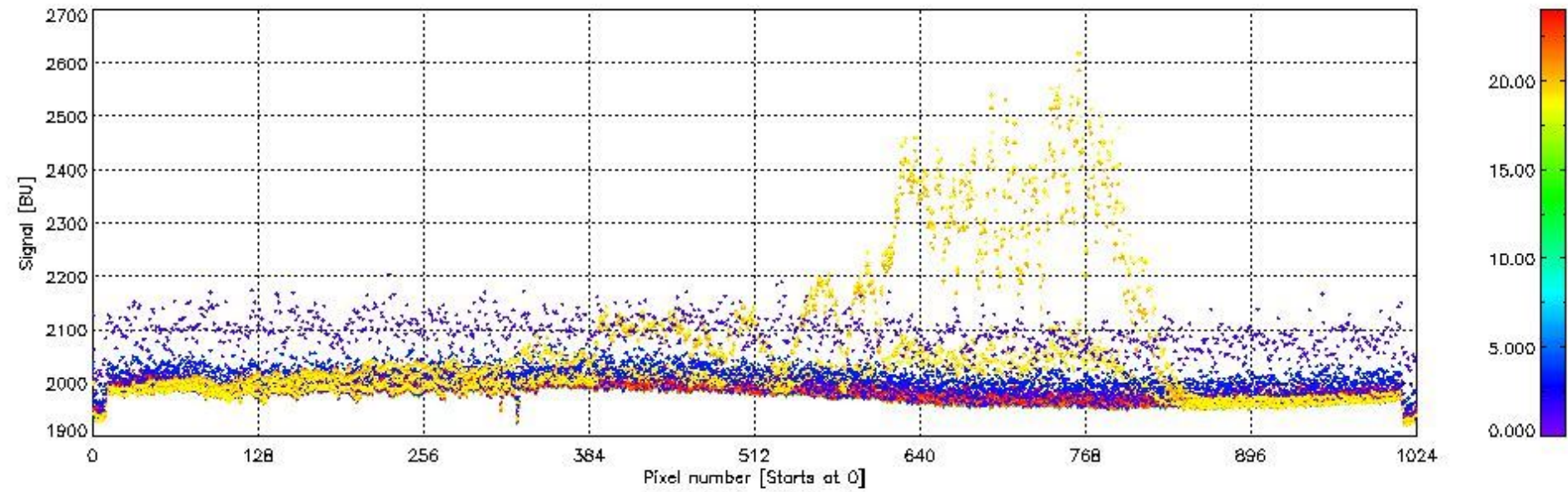
The following data items are currently included into this section:

1. Dark measurements (if available)
2. 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

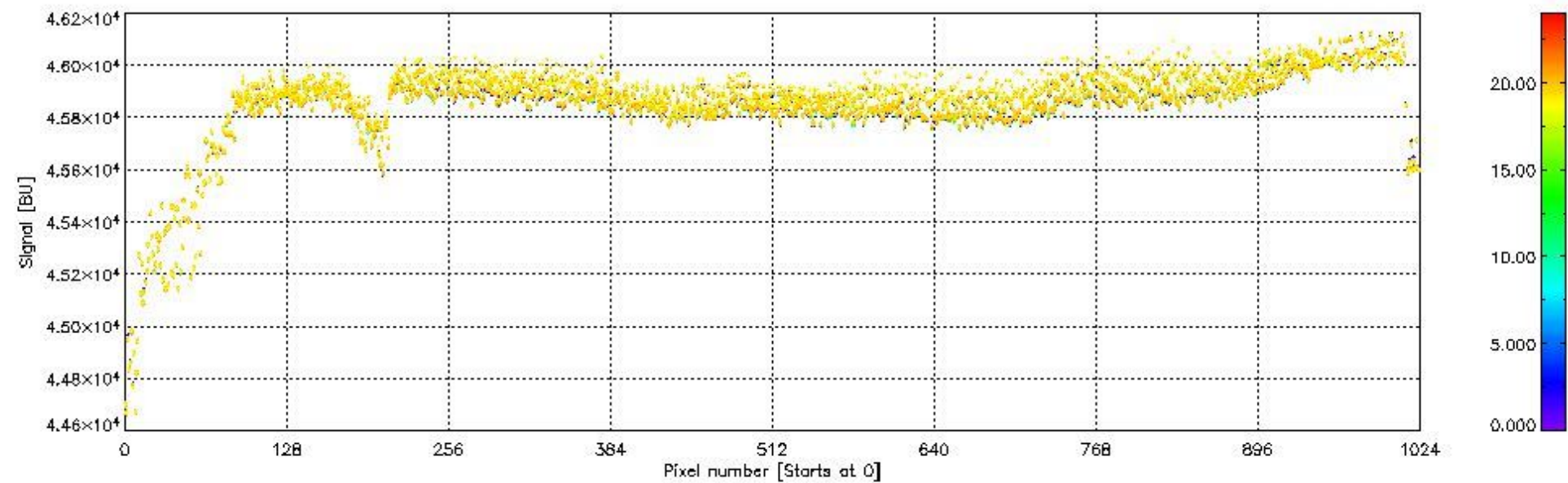
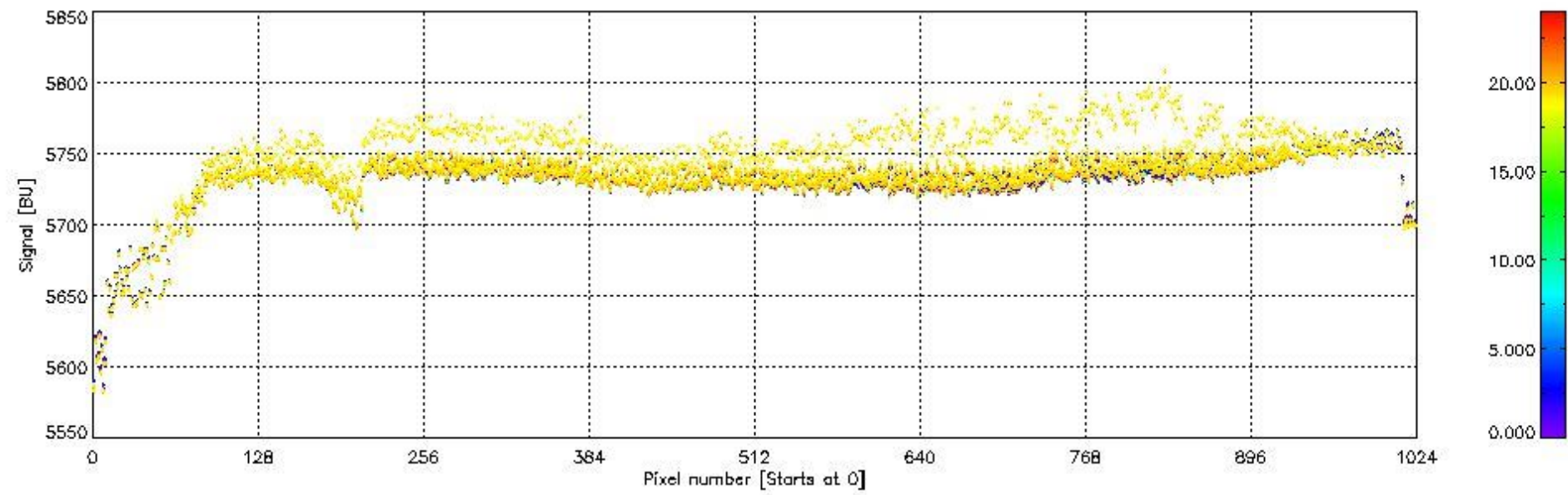
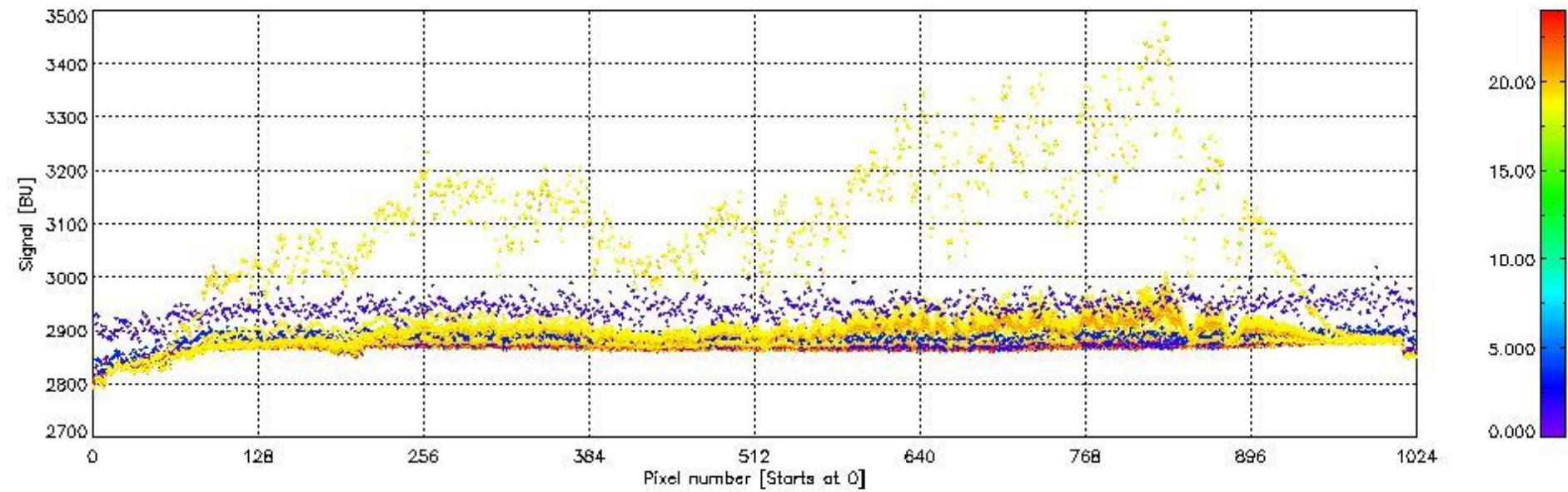
This section lists properties of the dark measurements performed within the processing scope.

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 1 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



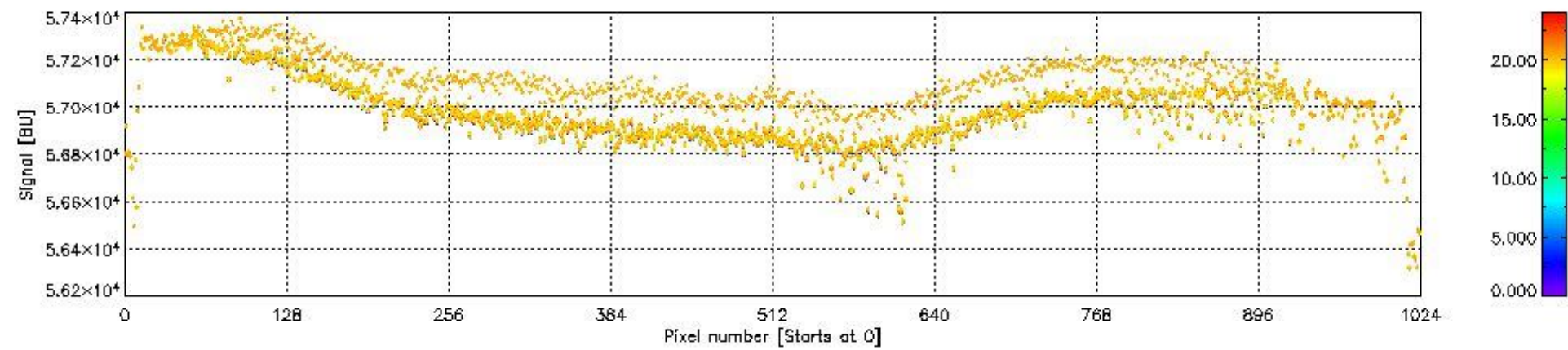
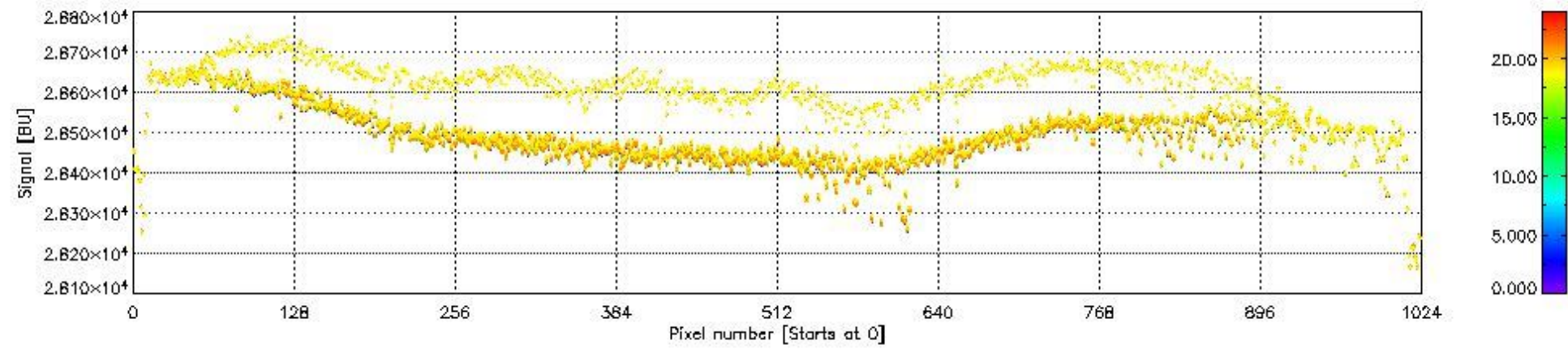
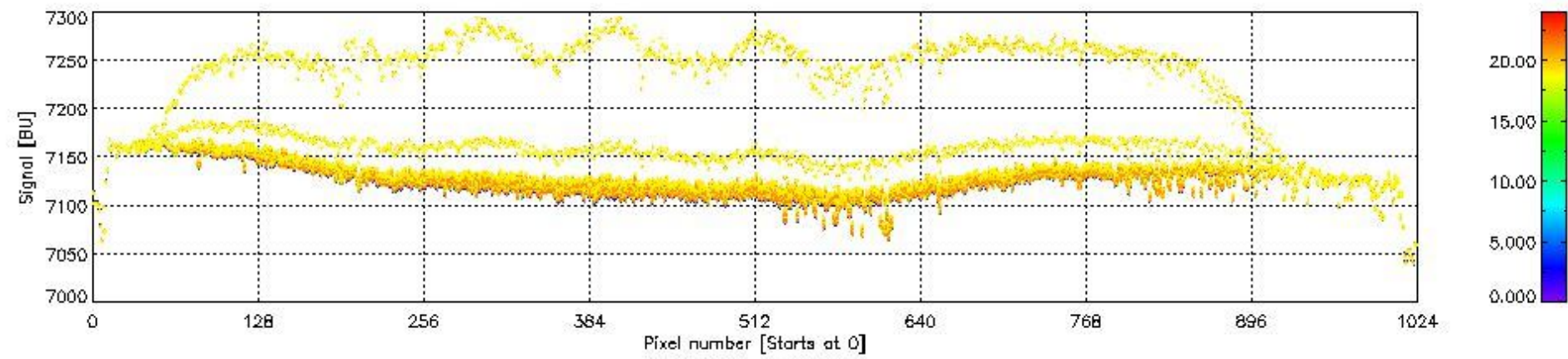
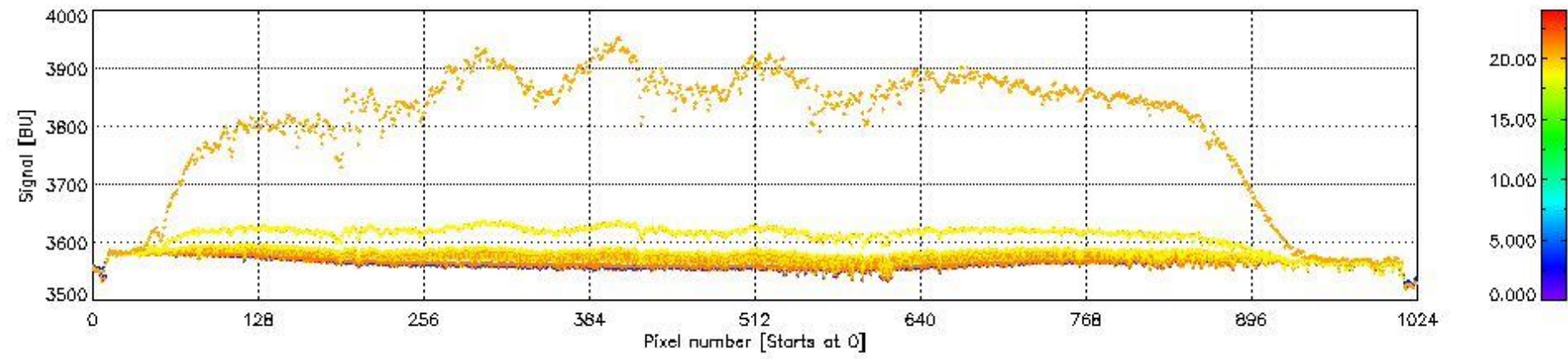
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_0.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 2 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



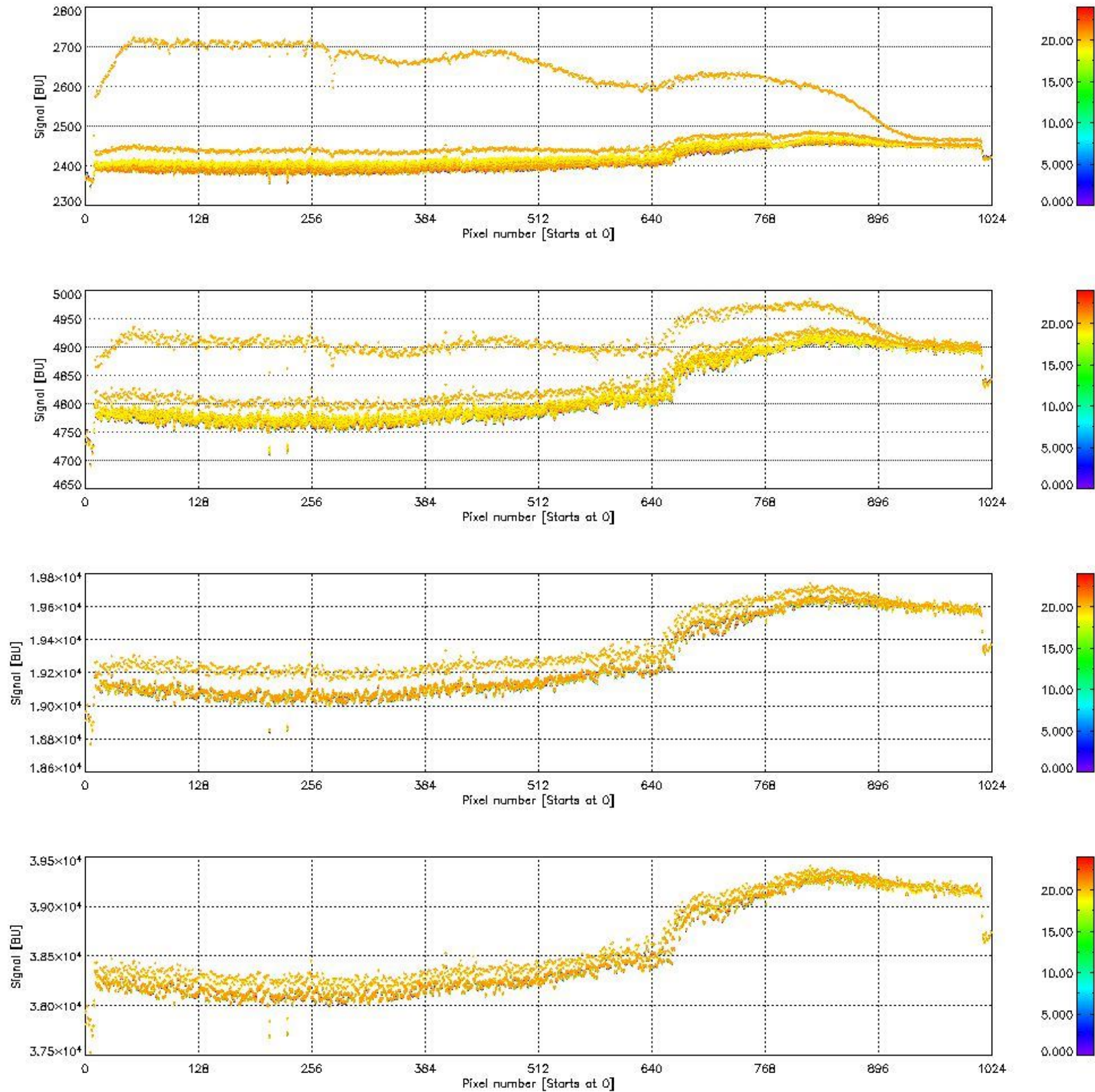
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_1.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 3 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



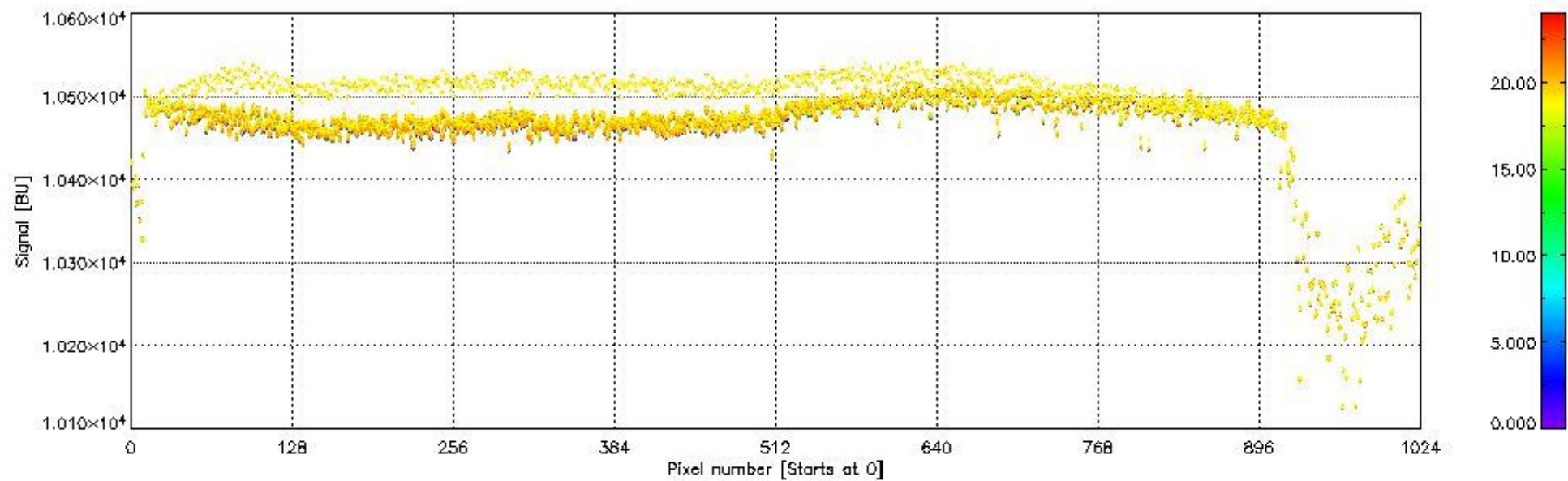
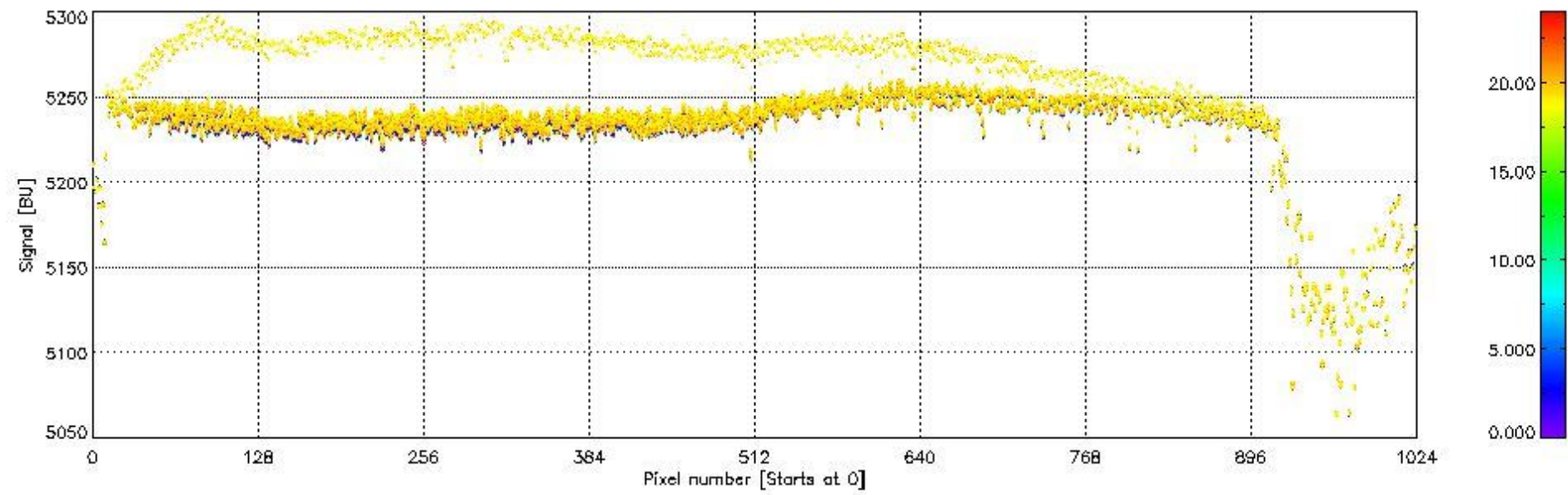
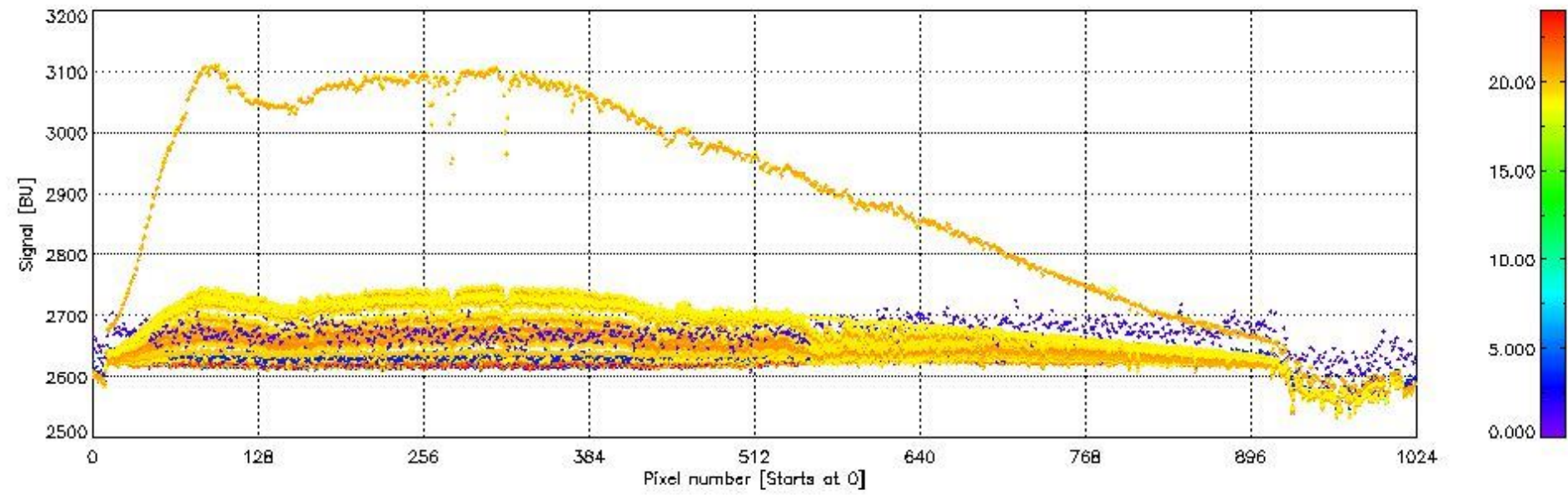
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_2.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 4 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



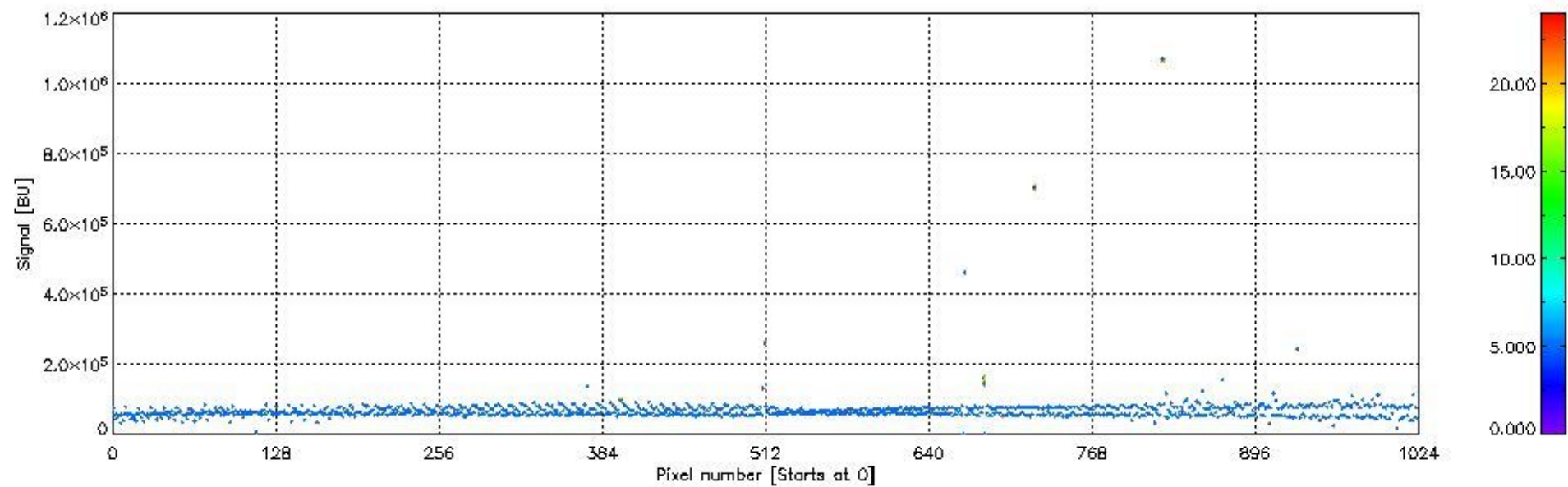
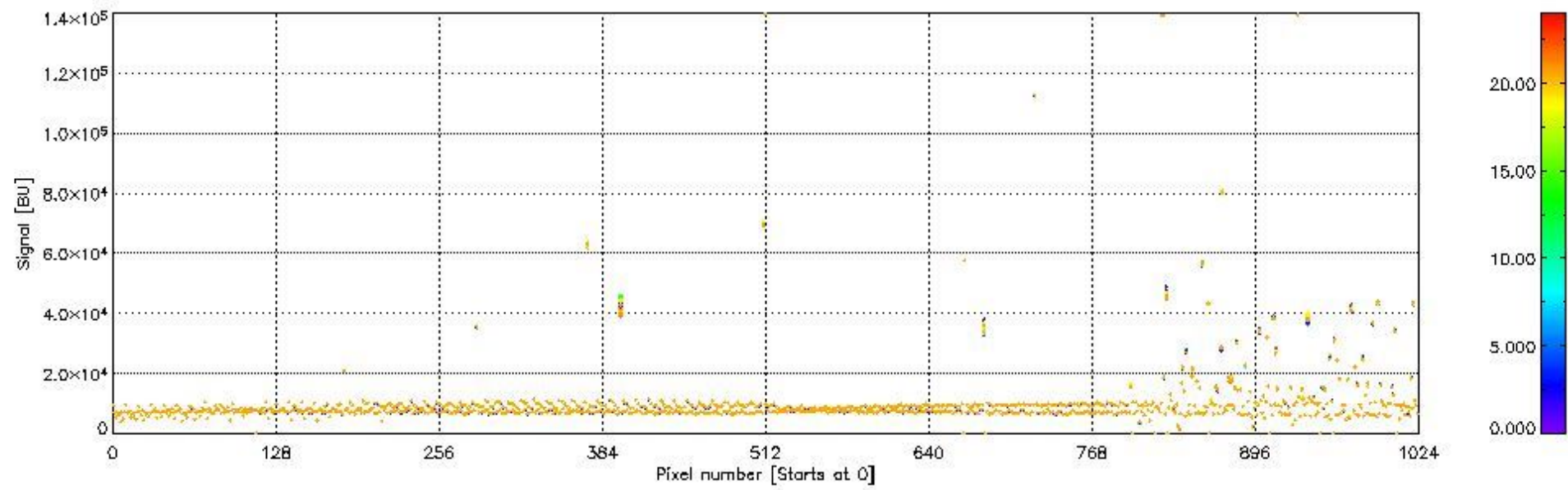
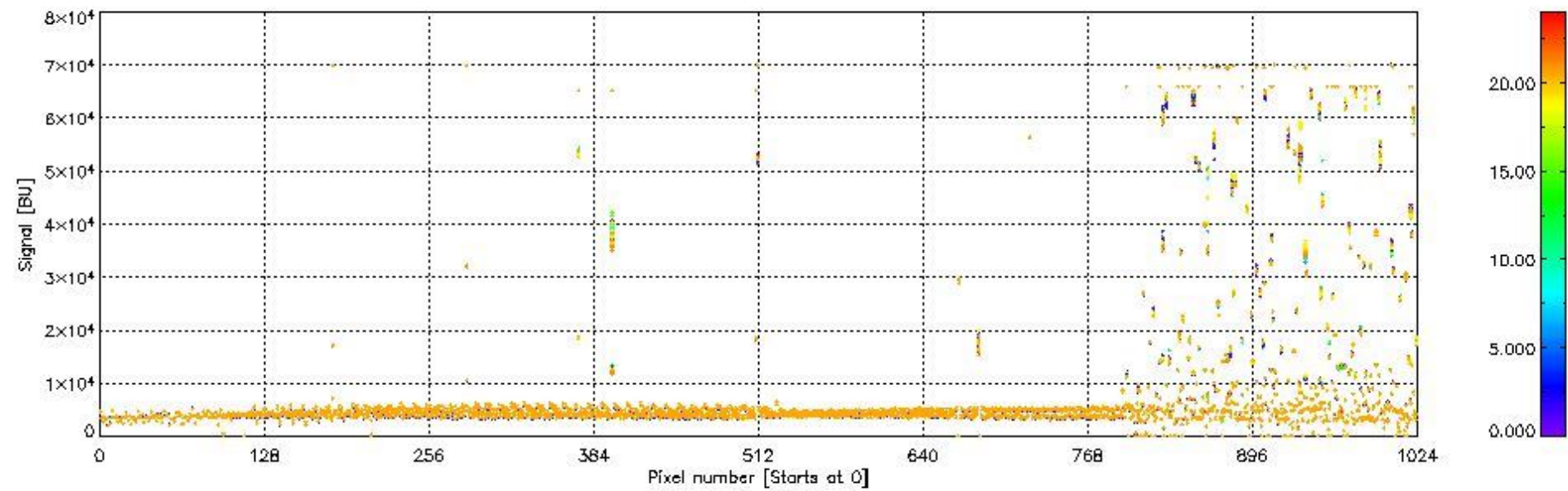
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_3.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 5 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



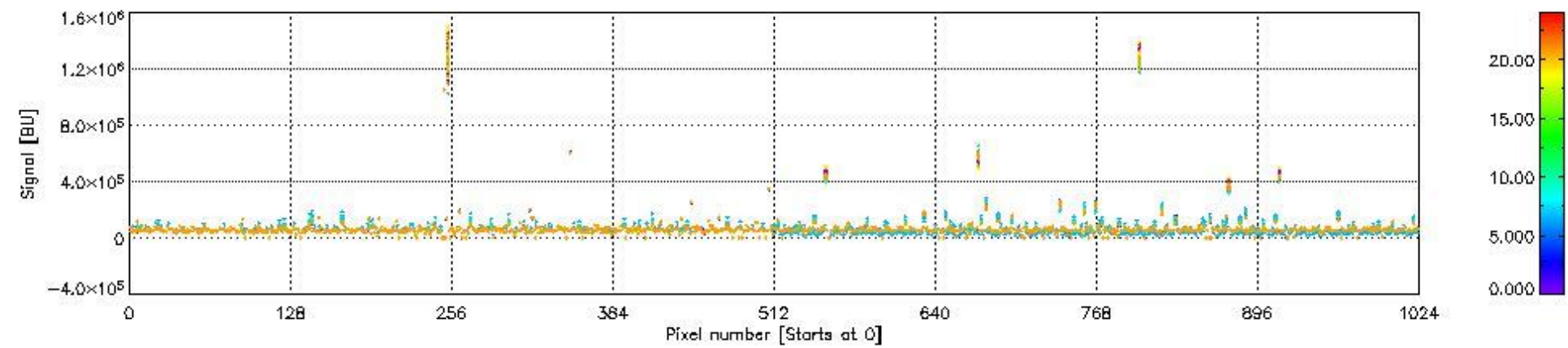
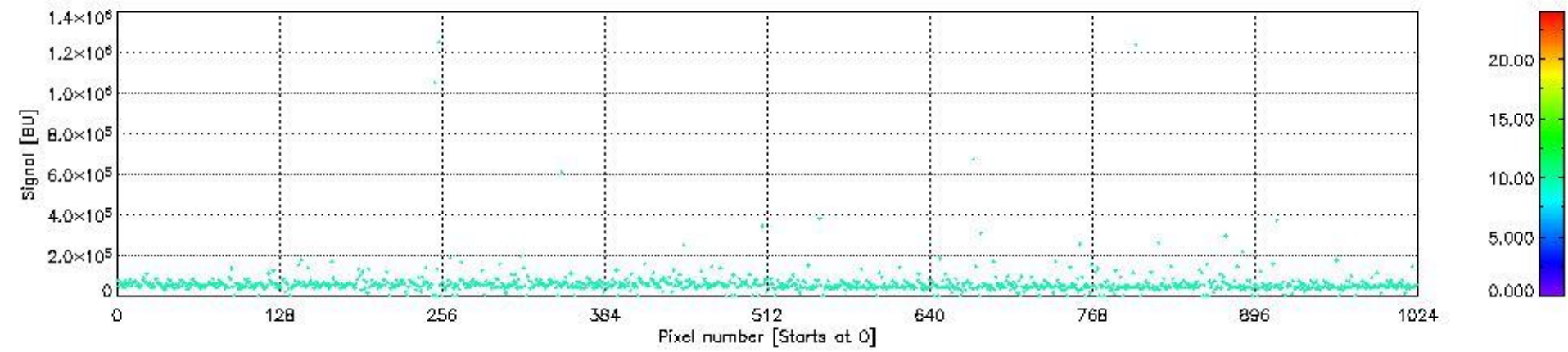
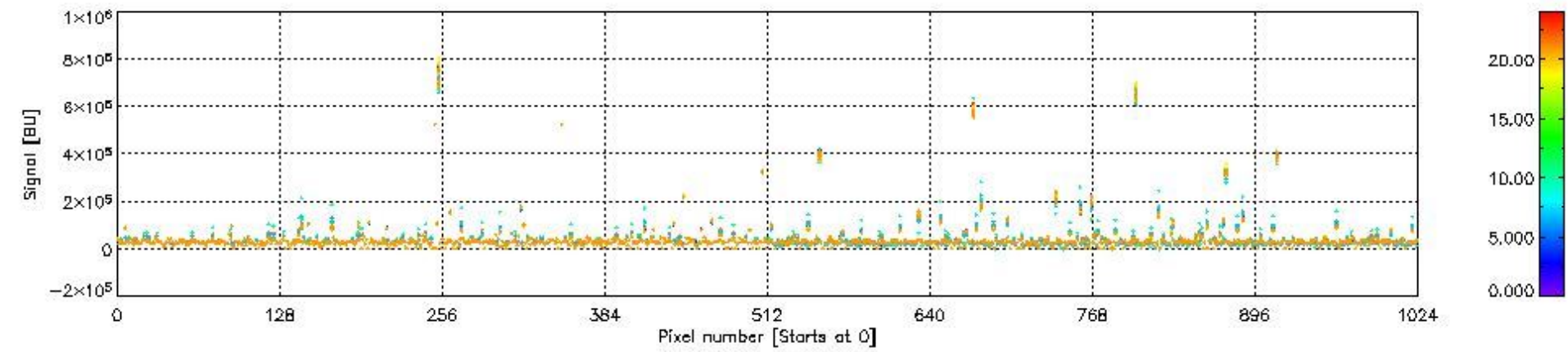
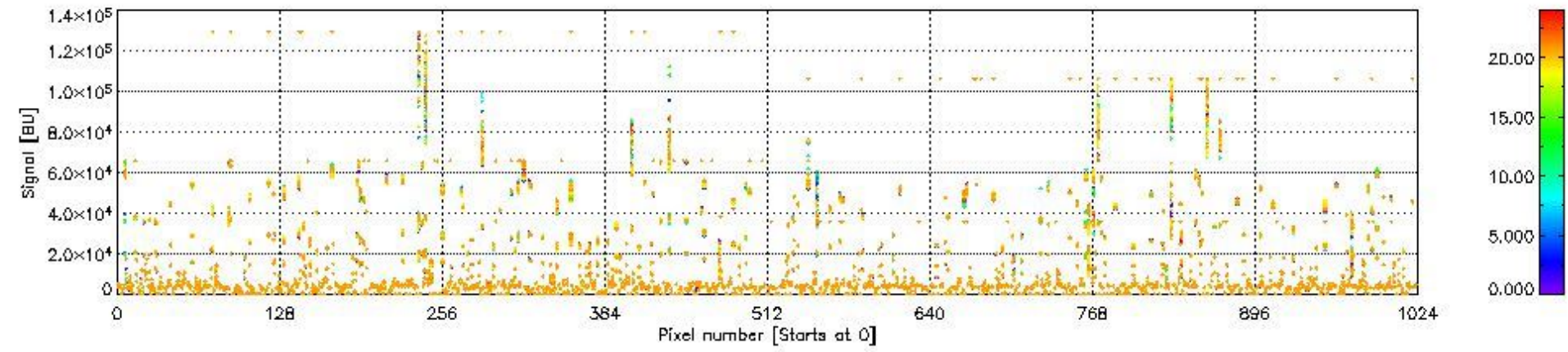
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_4.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 6 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



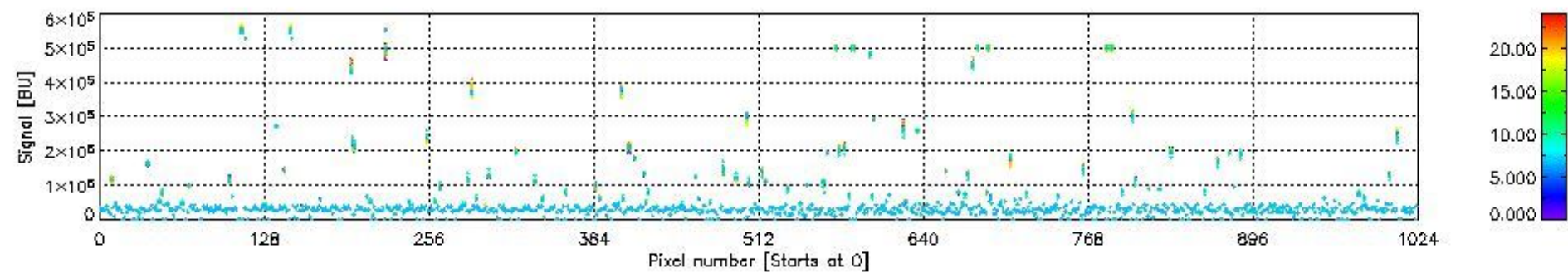
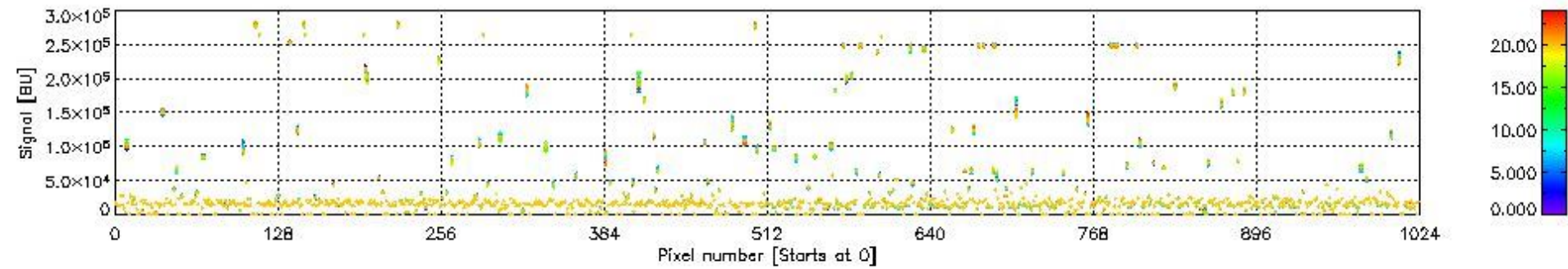
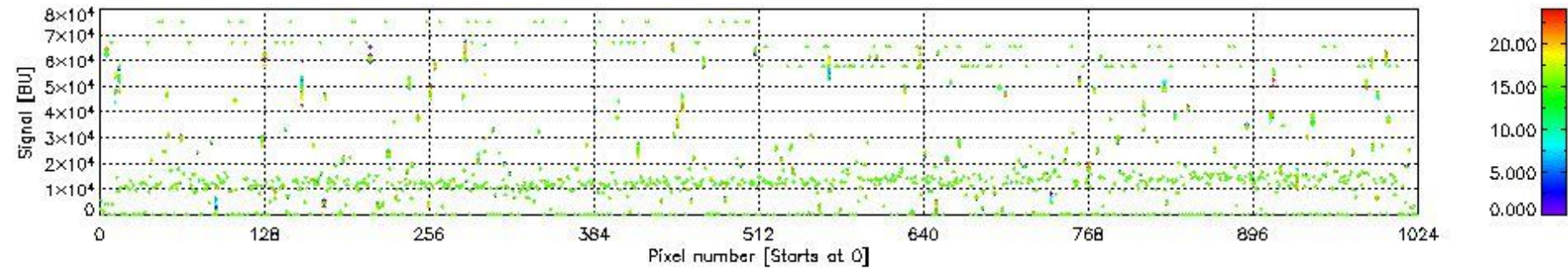
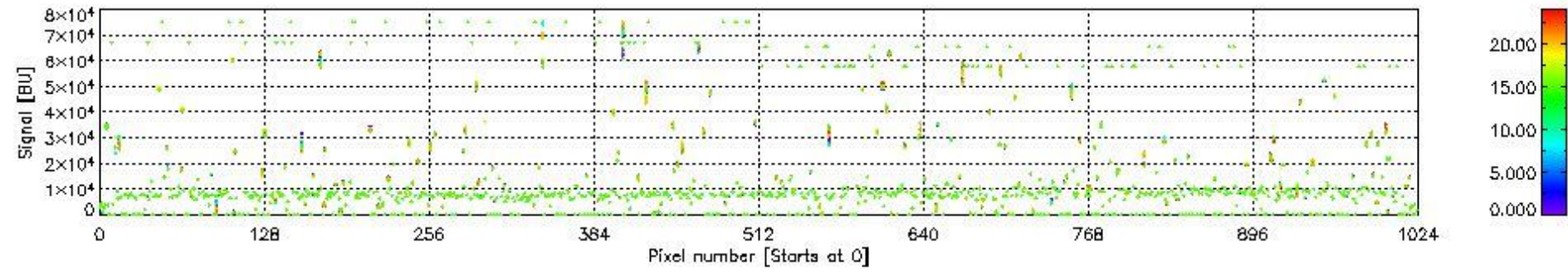
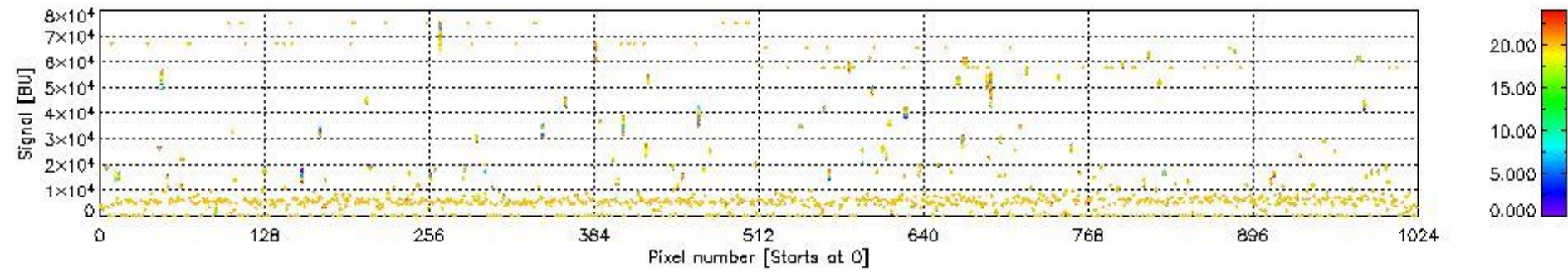
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_5.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 7 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00



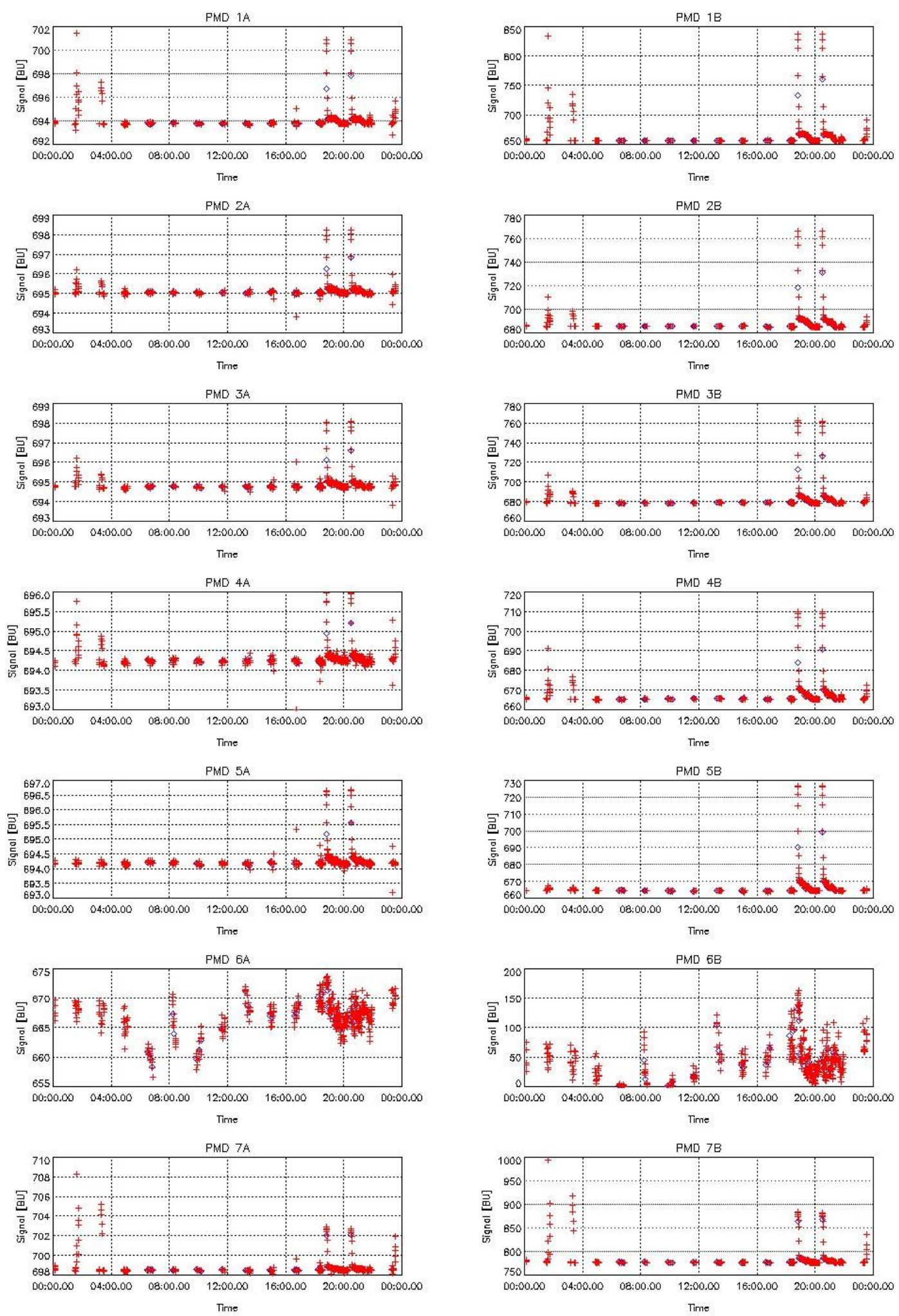
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_6.PNG

Plots of SCINL1P_DARAVE_avg_dark_meas_spec for detector 8 on 18APR2008.
The plots show different value ranges of the dark measurements.
The colours indicate the time in hours since 18APR2008 00:00:00

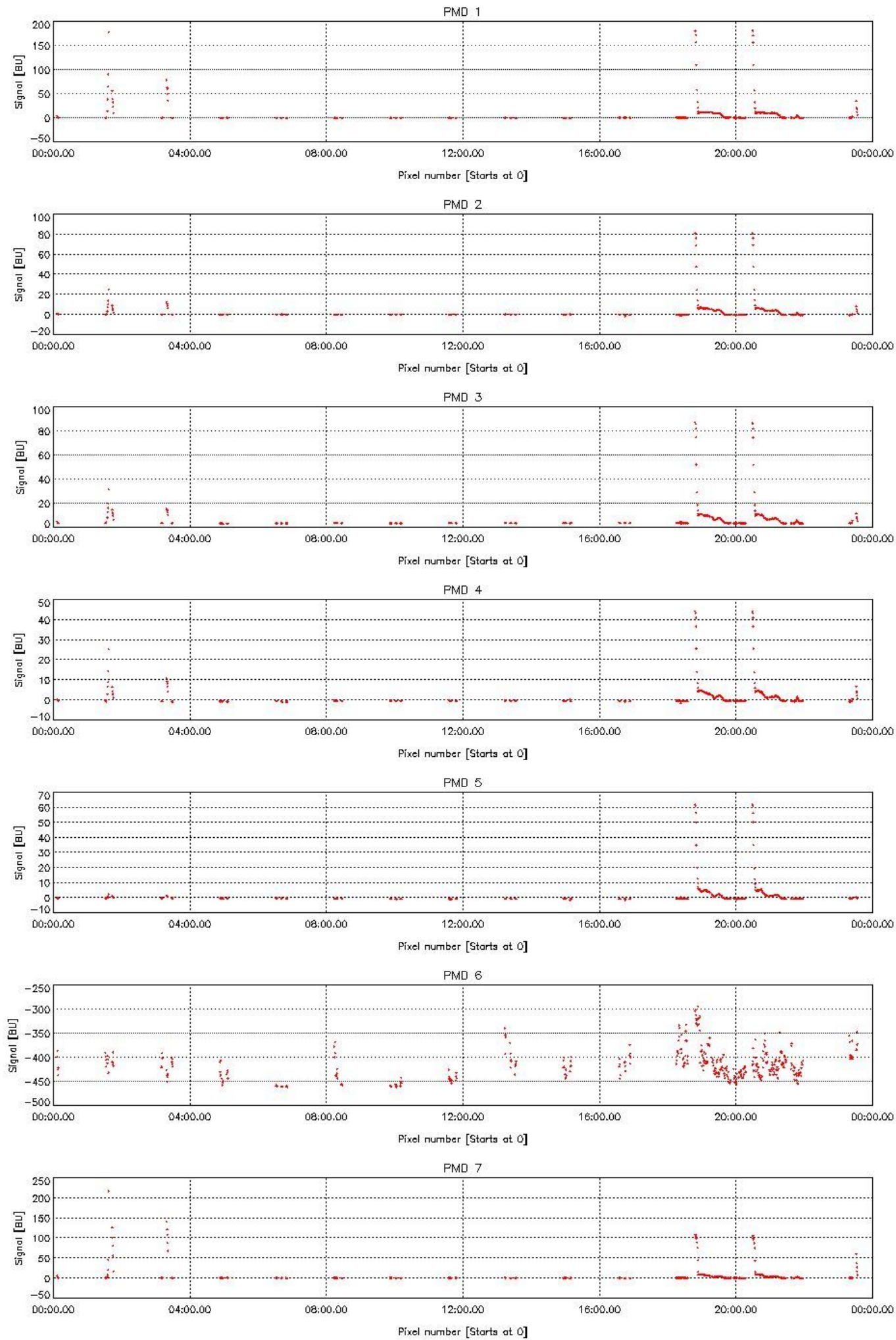


sciamachy_daily_report_level1_SCIA_6_03_N_20080418_7.PNG

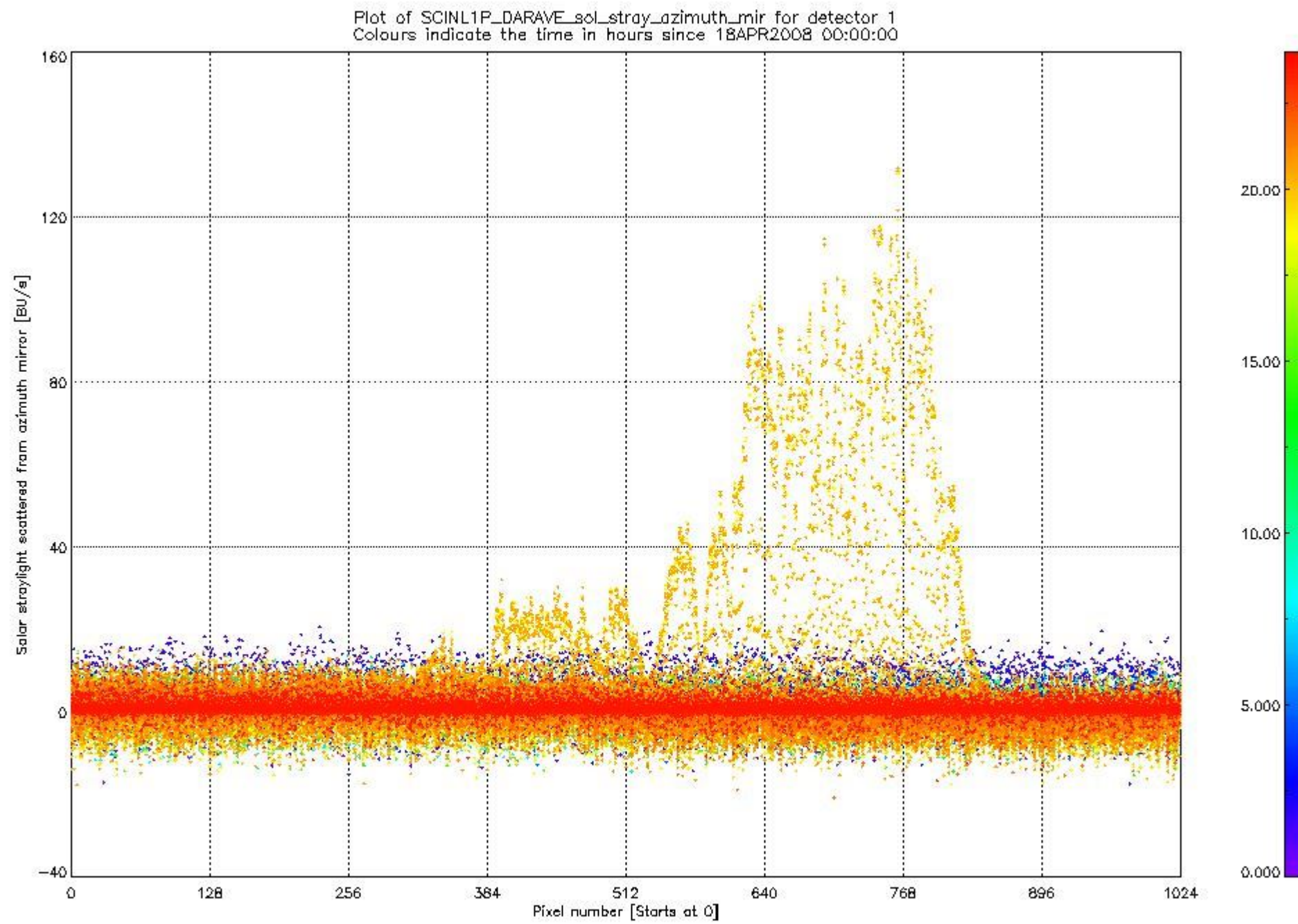
Plots of SCINL1P_DARAVE_pmd_dark_offset vs time on 18APR2008 (red).
New leakage current offset data is given in blue for comparison.



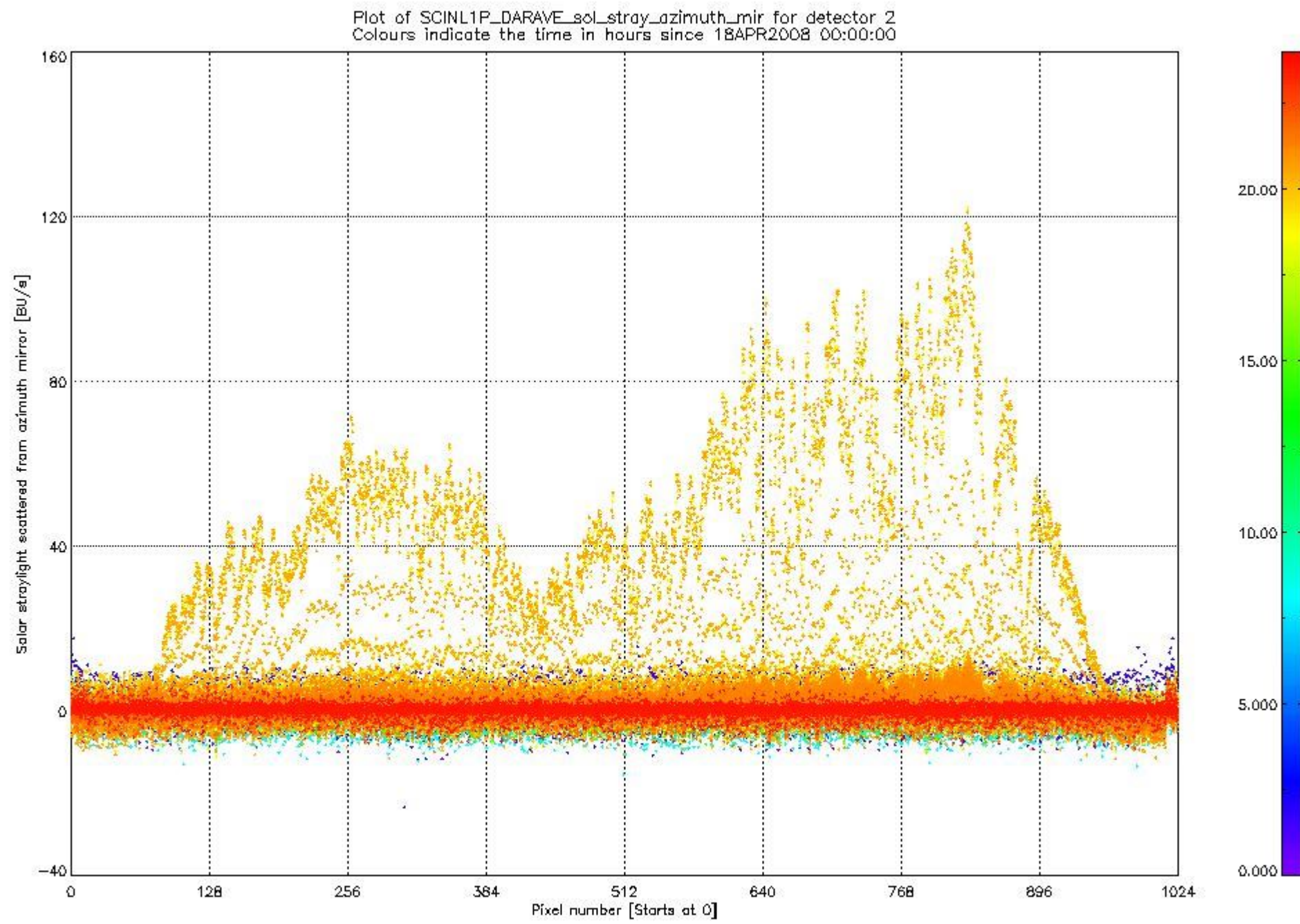
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_8.PNG



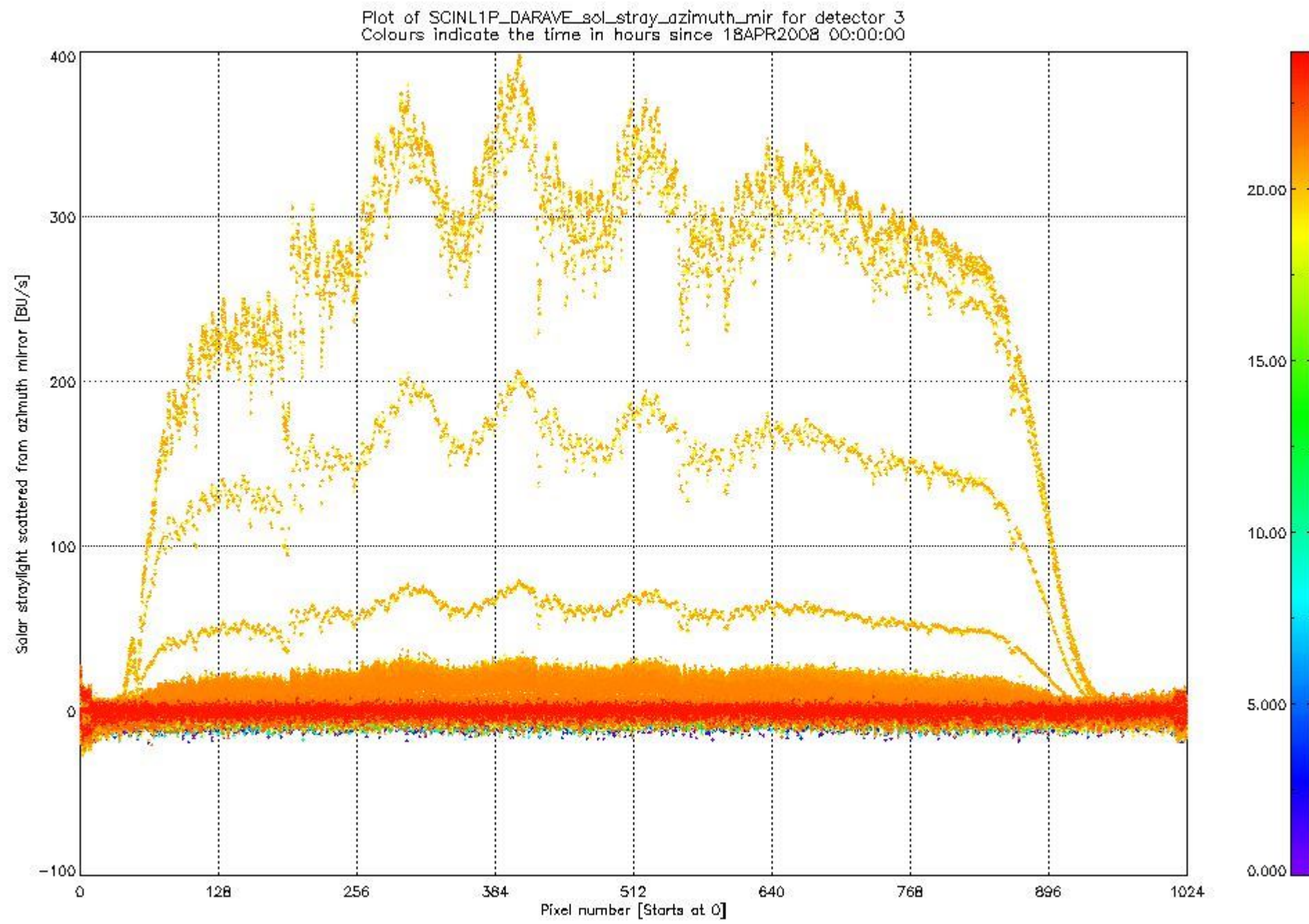
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_9.PNG



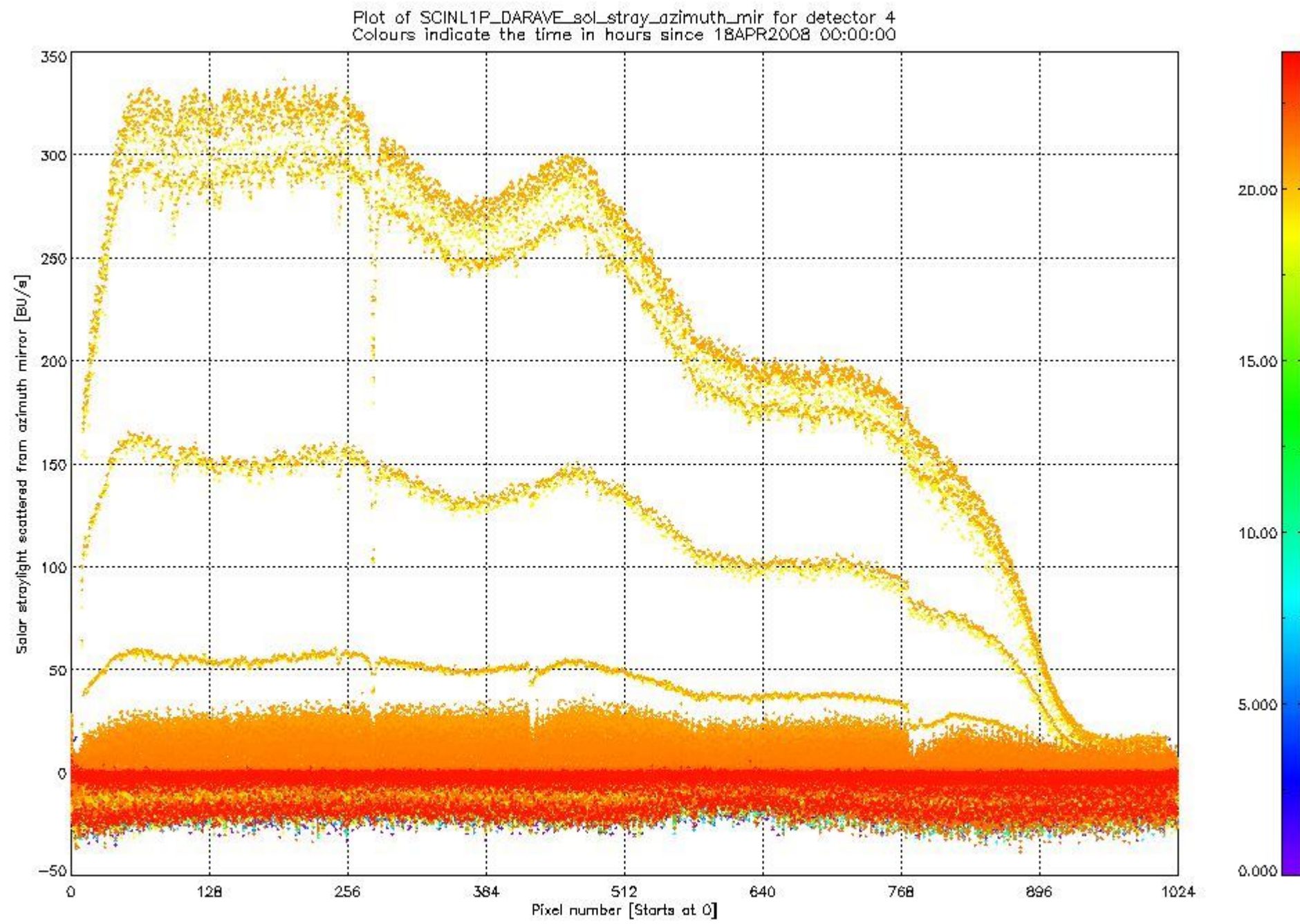
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_10.PNG



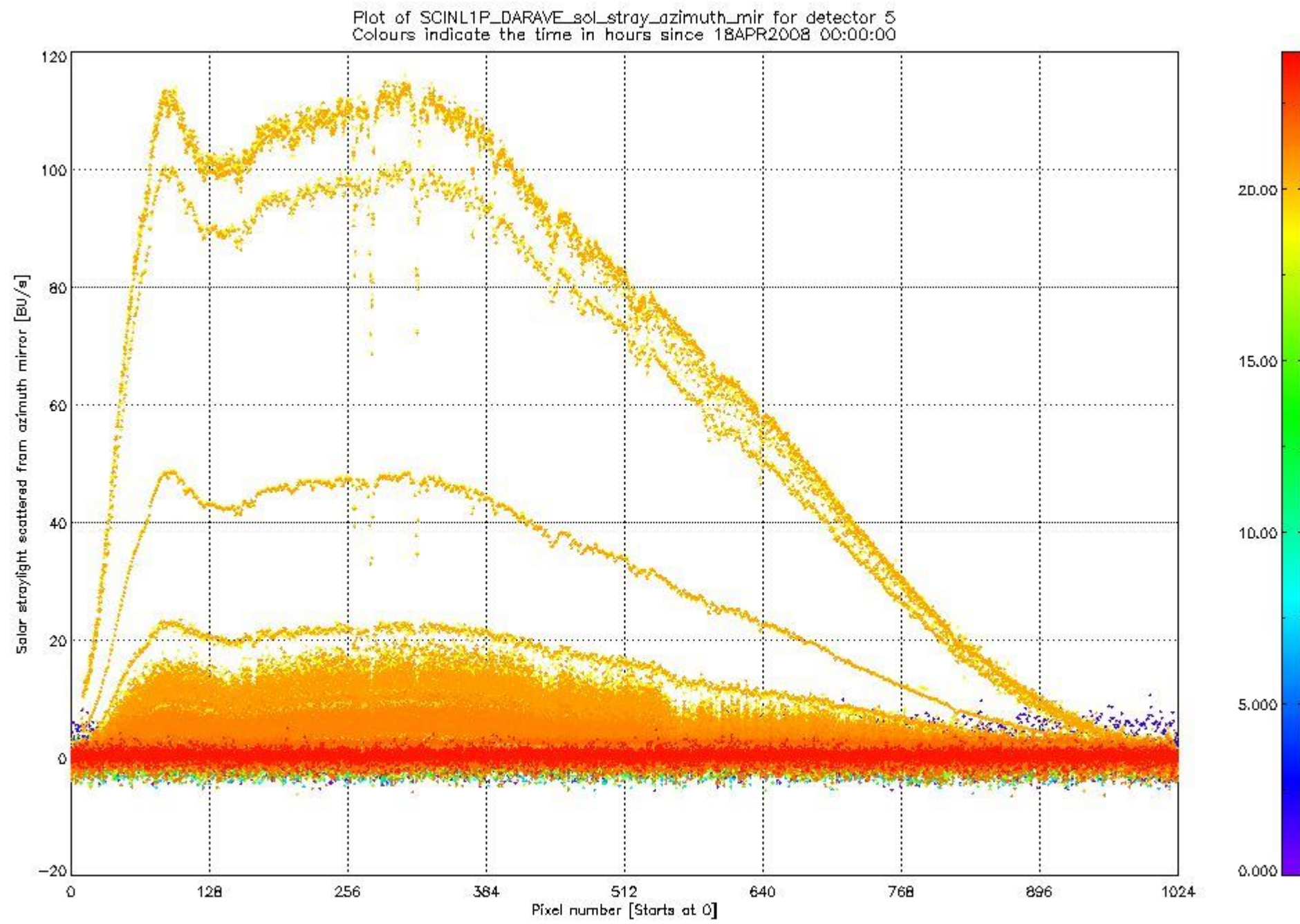
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_11.PNG



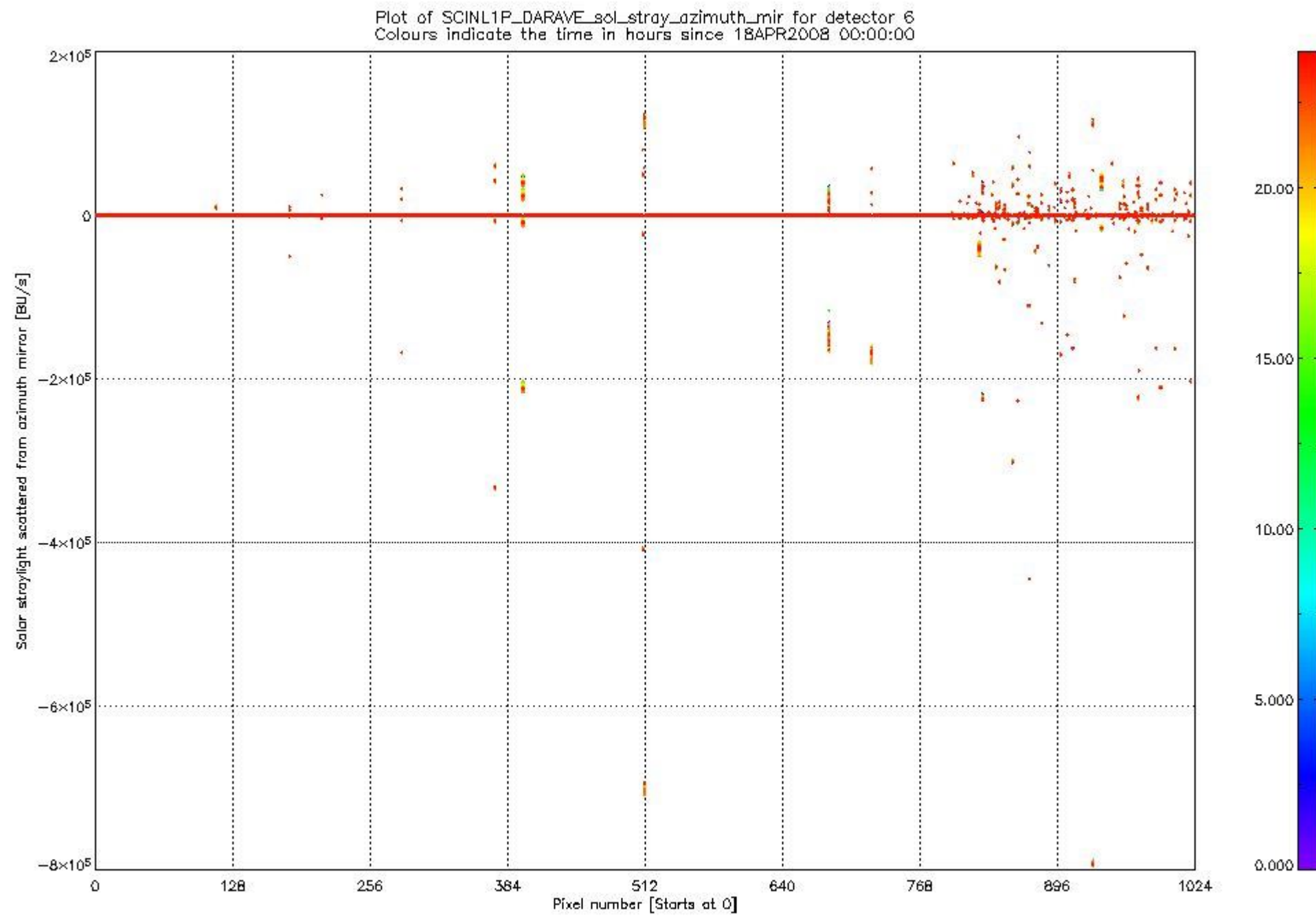
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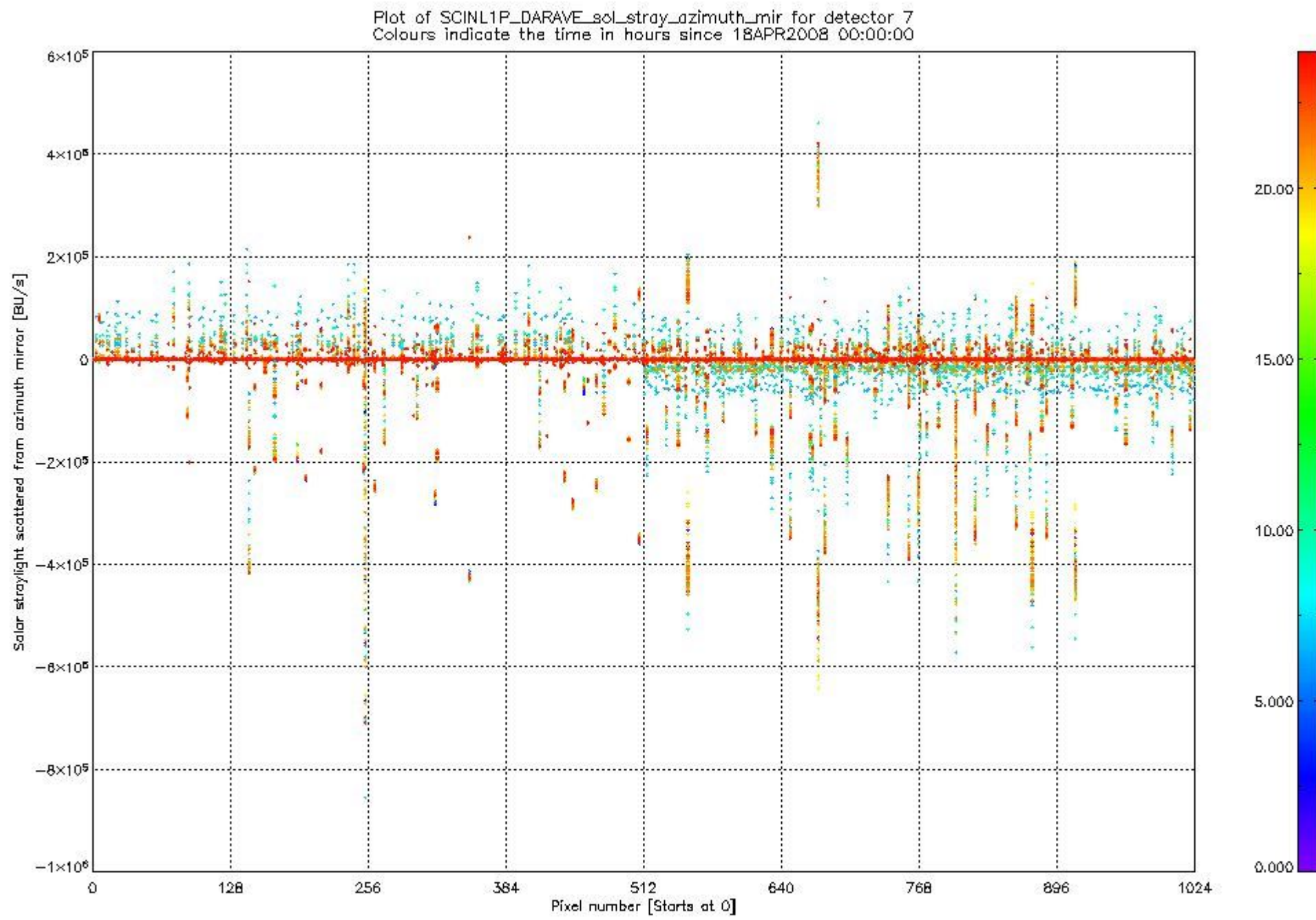
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_13.PNG



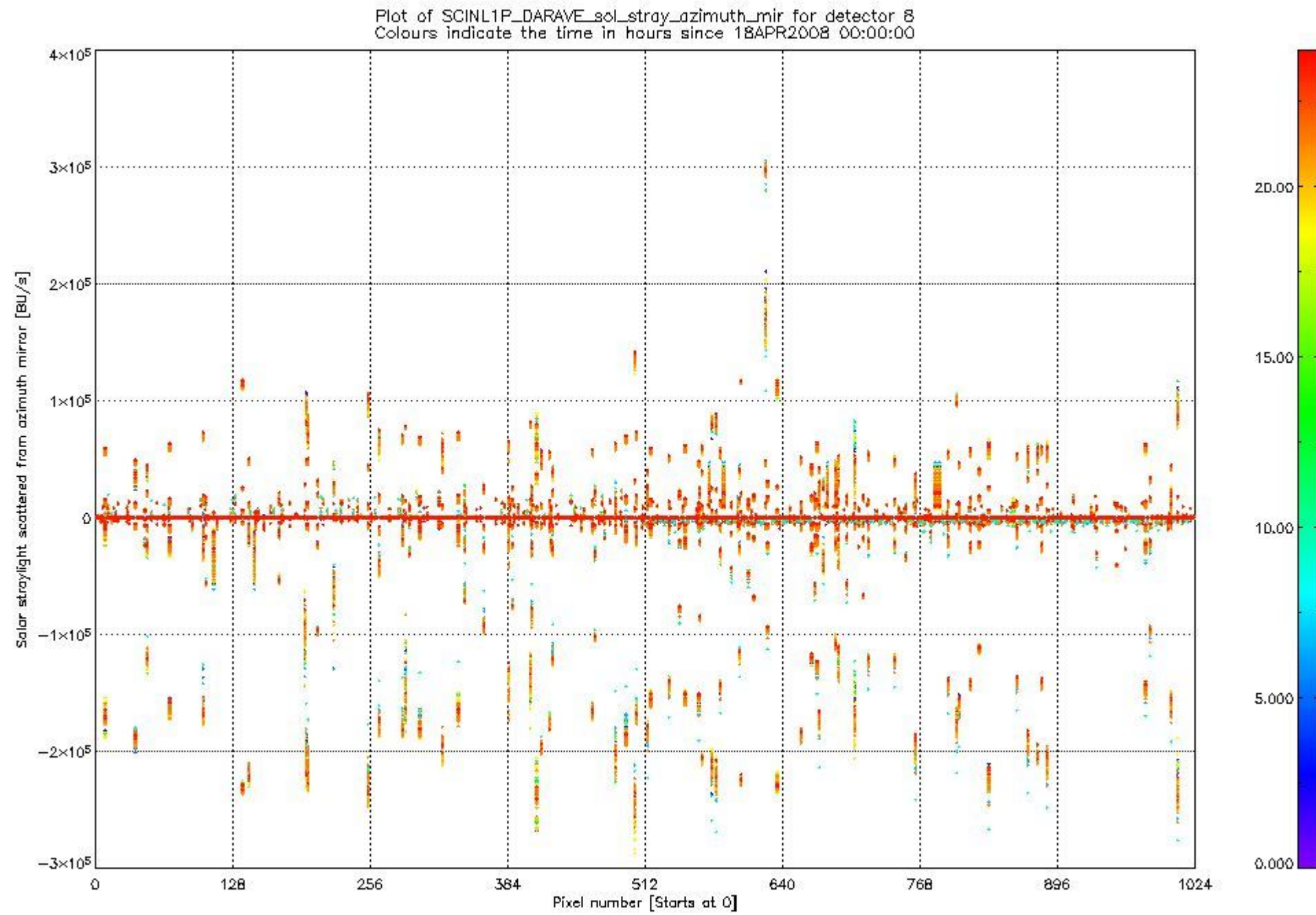
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_14.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080418_15.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080418_16.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080418_17.PNG

1.2.2 New leakage current parameters

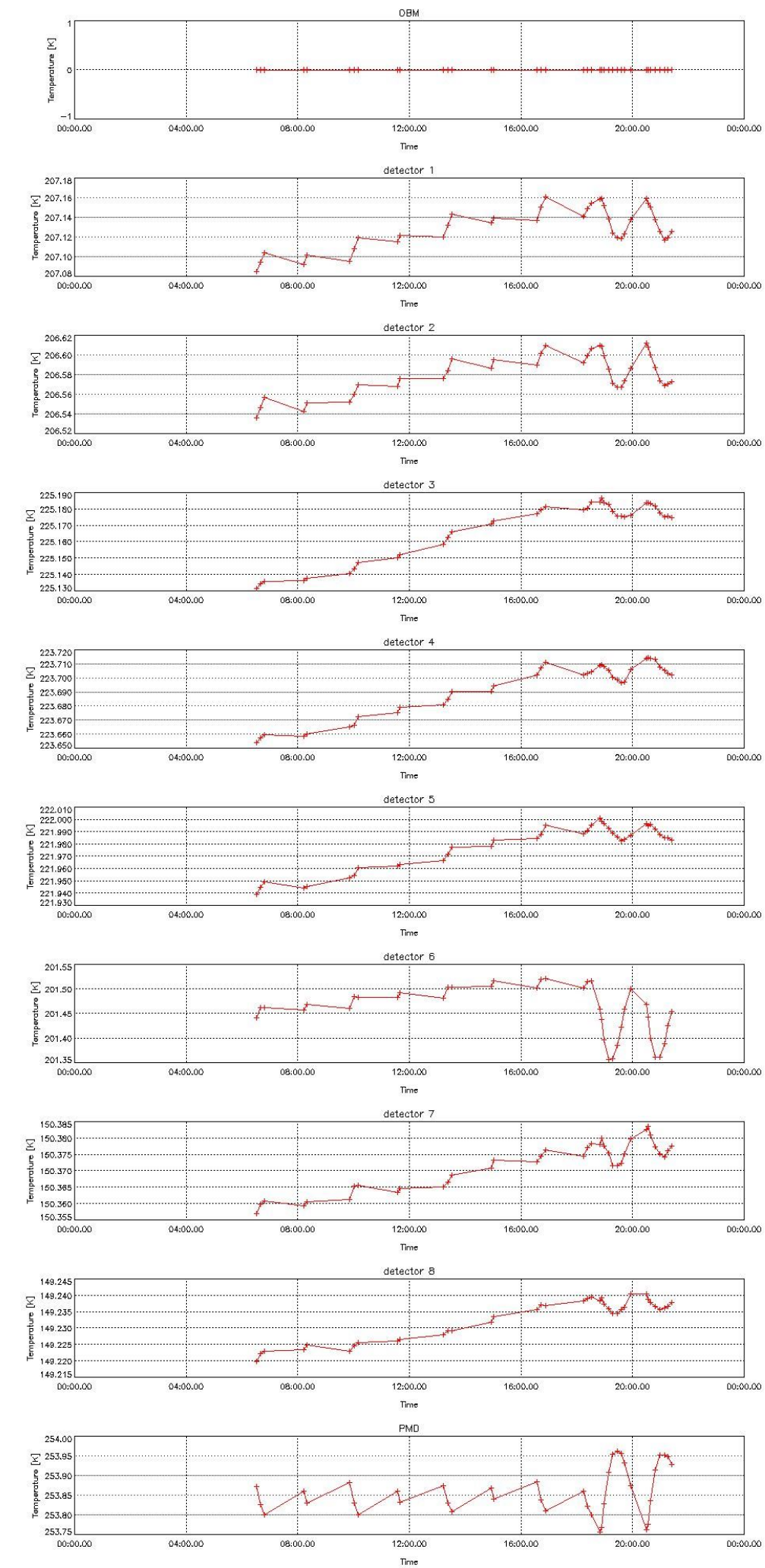
This section lists properties of the new leakage current data within the processing scope.

The following table shows the new leakage measurement data characteristics.

#	dsr_time	attach	orb_phase
0	18APR2008 06:30:51	1	0.138200
1	18APR2008 06:40:11	1	0.230800
2	18APR2008 06:48:48	1	0.316600
3	18APR2008 08:13:39	1	0.174000
4	18APR2008 08:19:11	1	0.257500
5	18APR2008 09:52:02	1	0.138200
6	18APR2008 10:01:22	1	0.230800
7	18APR2008 10:09:58	1	0.316800
8	18APR2008 11:34:50	1	0.174000
9	18APR2008 11:40:22	1	0.257750

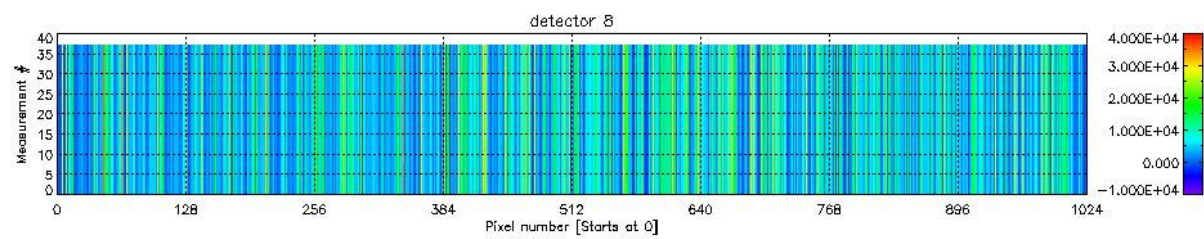
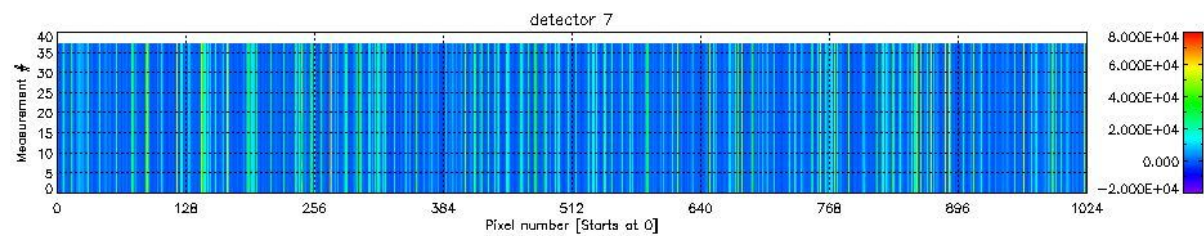
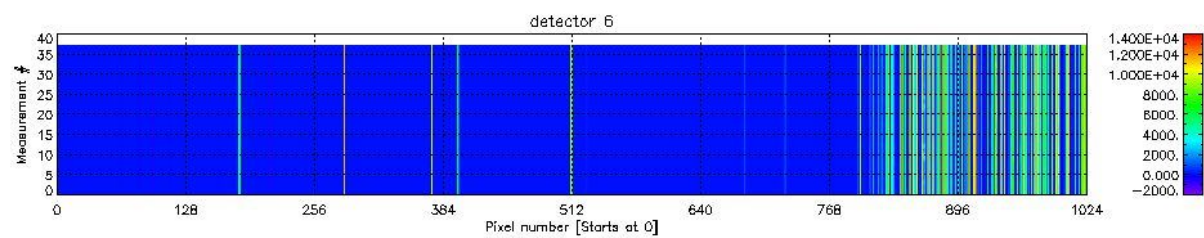
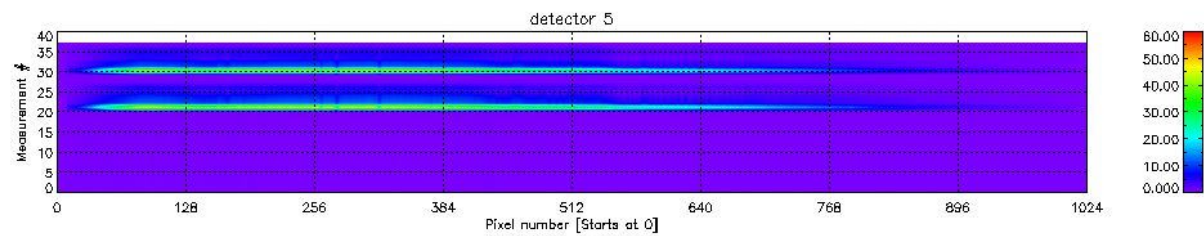
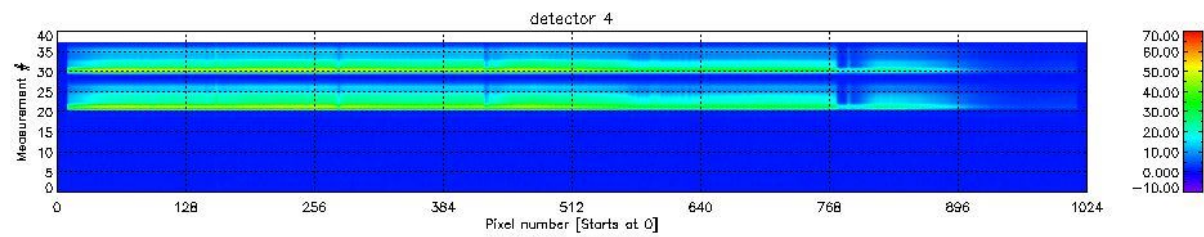
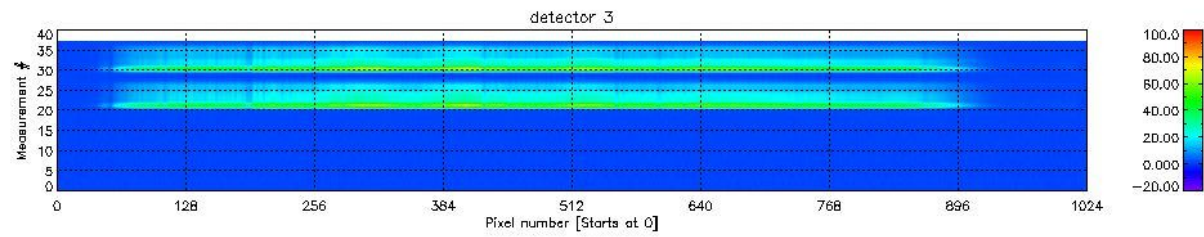
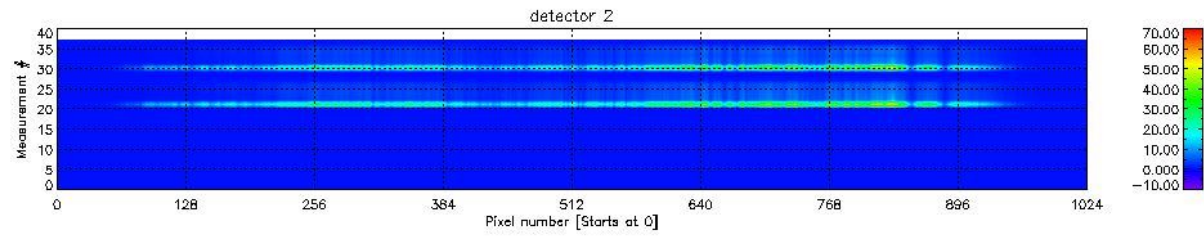
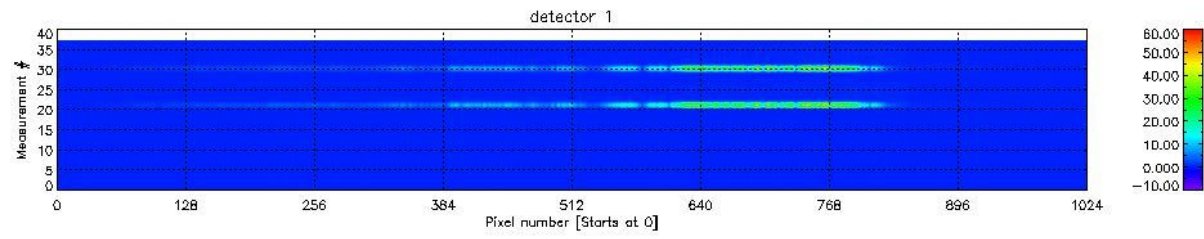
10	18APR2008 13:13:13	1	0.138200
11	18APR2008 13:22:33	1	0.230800
12	18APR2008 13:31:09	1	0.316600
13	18APR2008 14:56:00	1	0.174000
14	18APR2008 15:01:32	1	0.257500
15	18APR2008 16:34:24	1	0.138200
16	18APR2008 16:43:44	1	0.230800
17	18APR2008 16:52:20	1	0.316600
18	18APR2008 18:14:59	1	0.155500
19	18APR2008 18:22:16	1	0.235636
20	18APR2008 18:30:40	1	0.303875
21	18APR2008 18:49:59	1	0.490250
22	18APR2008 18:52:53	1	0.526857
23	18APR2008 18:58:18	1	0.603267
24	18APR2008 19:08:42	1	0.689300
25	18APR2008 19:17:41	1	0.795933
26	18APR2008 19:28:05	1	0.882000
27	18APR2008 19:35:00	1	0.958167
28	18APR2008 19:43:13	1	0.0368182
29	18APR2008 19:55:35	1	0.138000
30	18APR2008 20:29:14	1	0.479571
31	18APR2008 20:33:29	1	0.526857
32	18APR2008 20:38:54	1	0.603333
33	18APR2008 20:49:17	1	0.689400
34	18APR2008 20:58:17	1	0.795933
35	18APR2008 21:08:40	1	0.882000
36	18APR2008 21:15:36	1	0.958167
37	18APR2008 21:23:48	1	0.0258750

Plots of SCINL1P_NEWLEA_obm_detL_prmd temperatures vs time on 18APR2008.



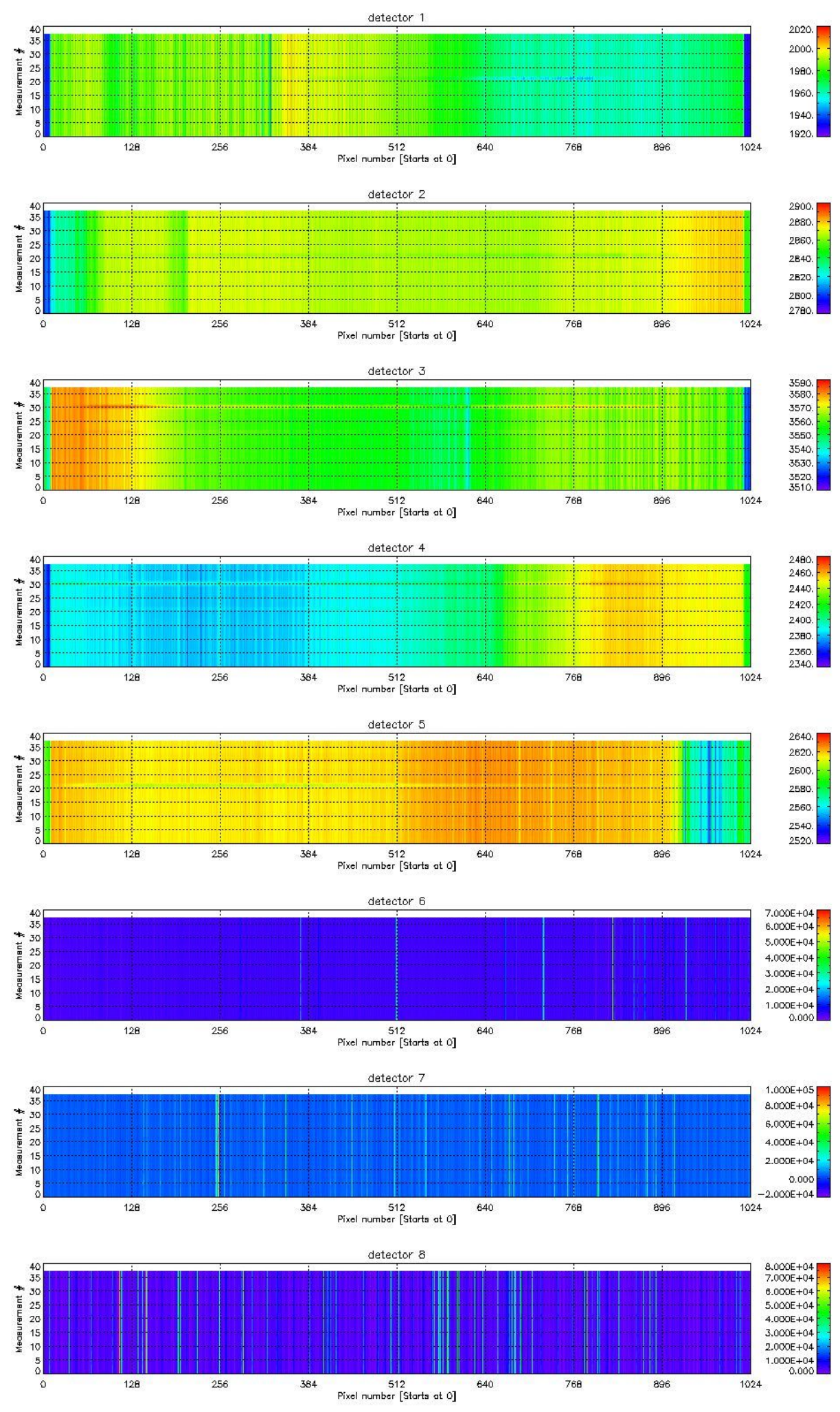
sciamachy_daily_report_level1_SCIA_6_03_N_20080418_18.PNG

Plots of SCINLP_NEWLEA_leak_cur for various detectors on 18APR2008.
Colours indicate the value in BU/s.

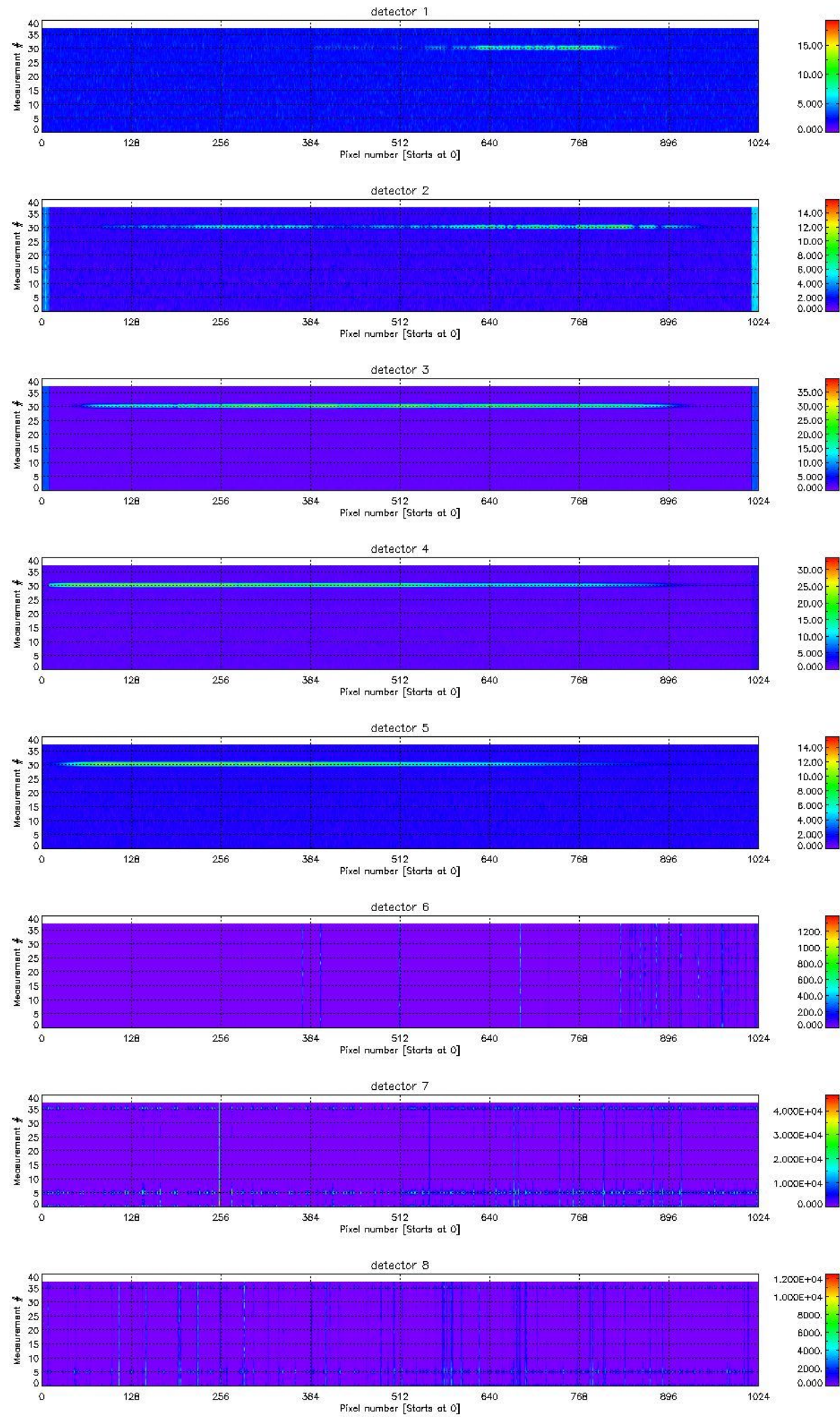


sciamachy_daily_report_level1_SCIA_6_03_N_20080418_19.PNG

Plots of SCINLP_NEWLEA_fpn for various detectors on 18APR2008.
Colours indicate the value in BU.

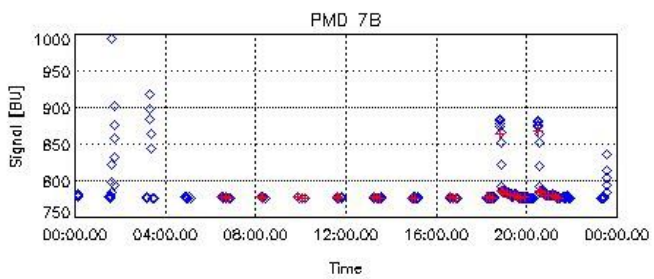
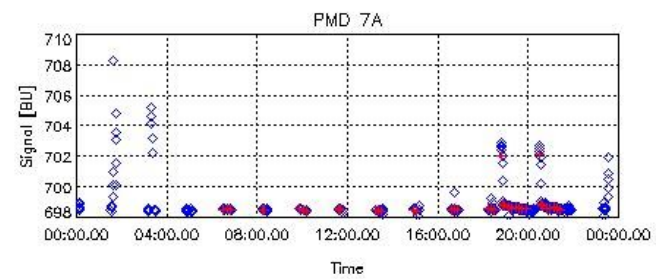
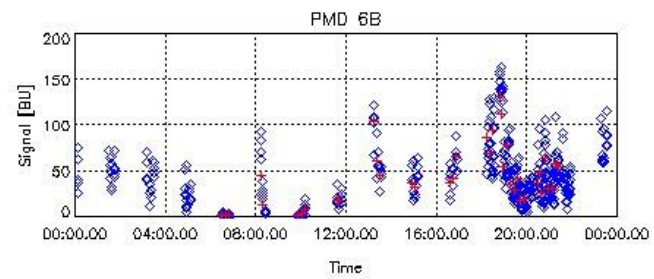
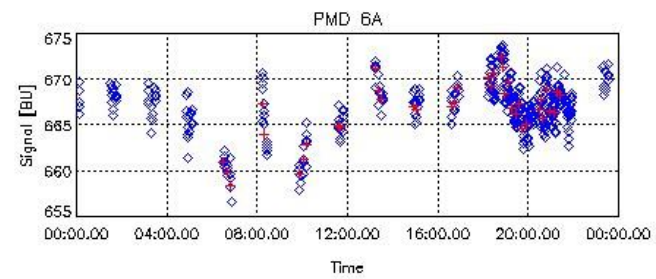
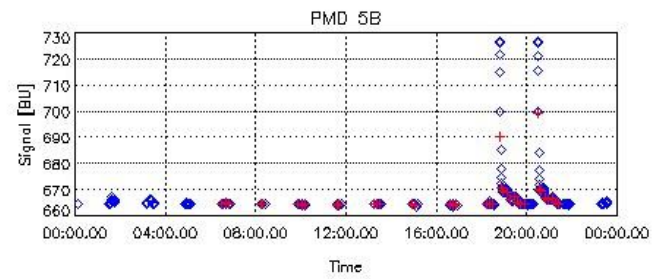
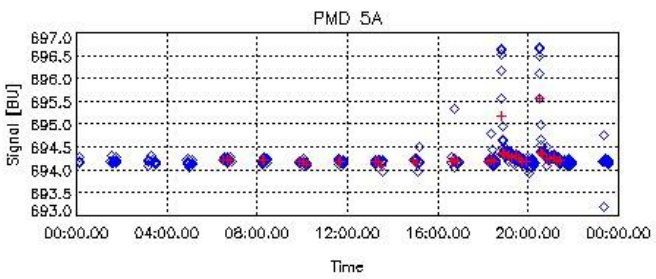
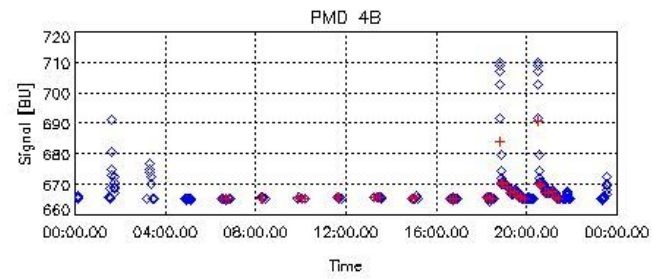
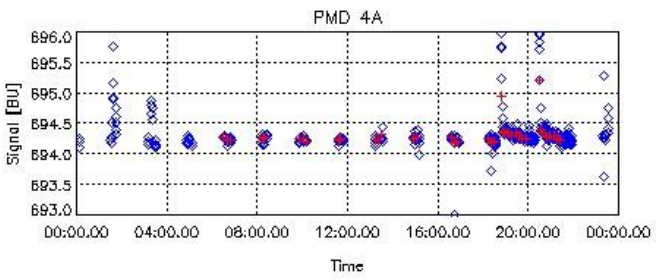
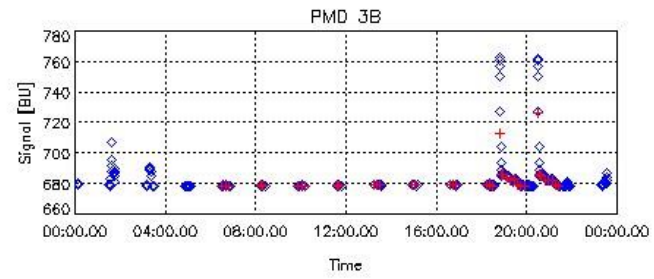
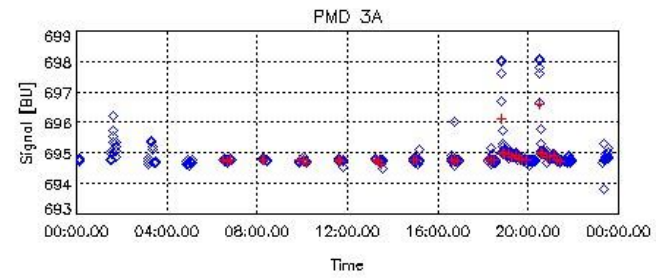
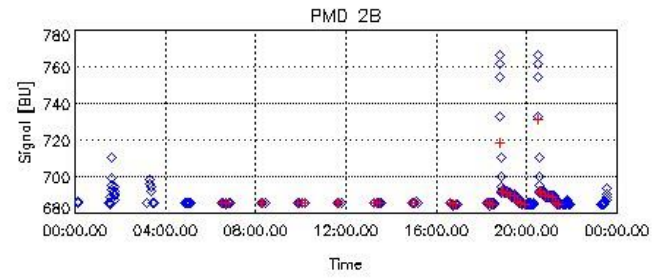
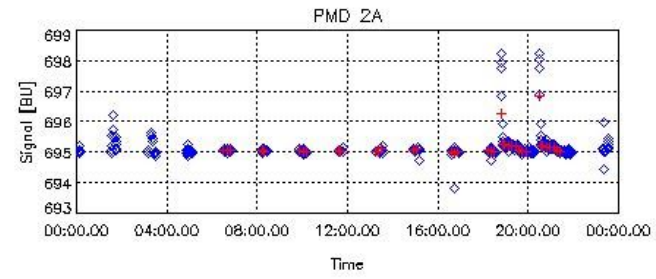
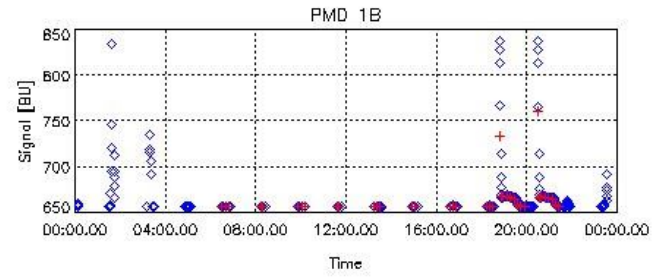
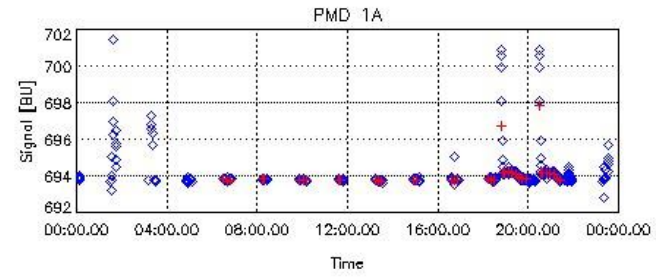


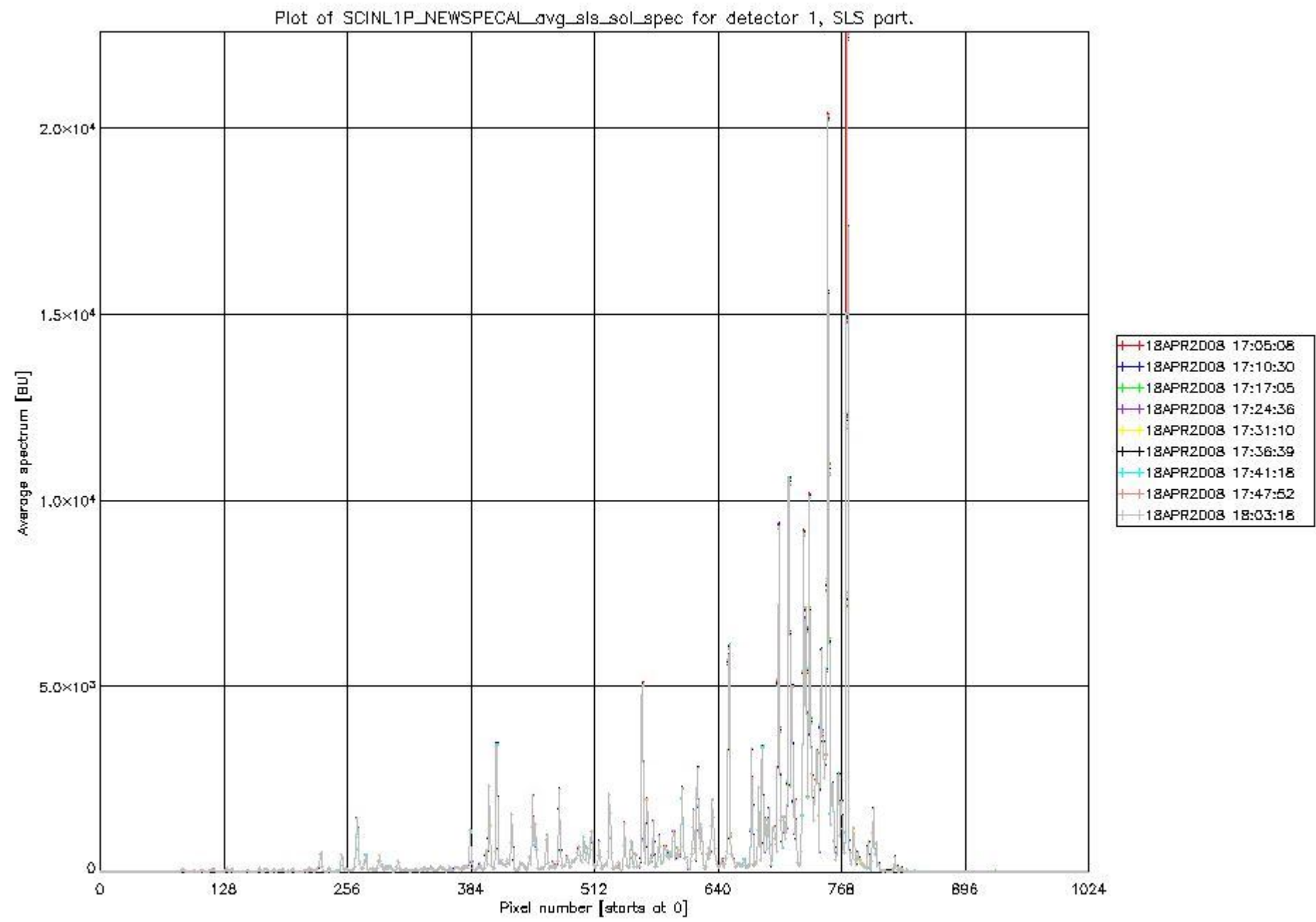
Plots of SCINLP_NEWLEA_mean_noise for various detectors on 18APR2008.
Colours indicate the value in BU.

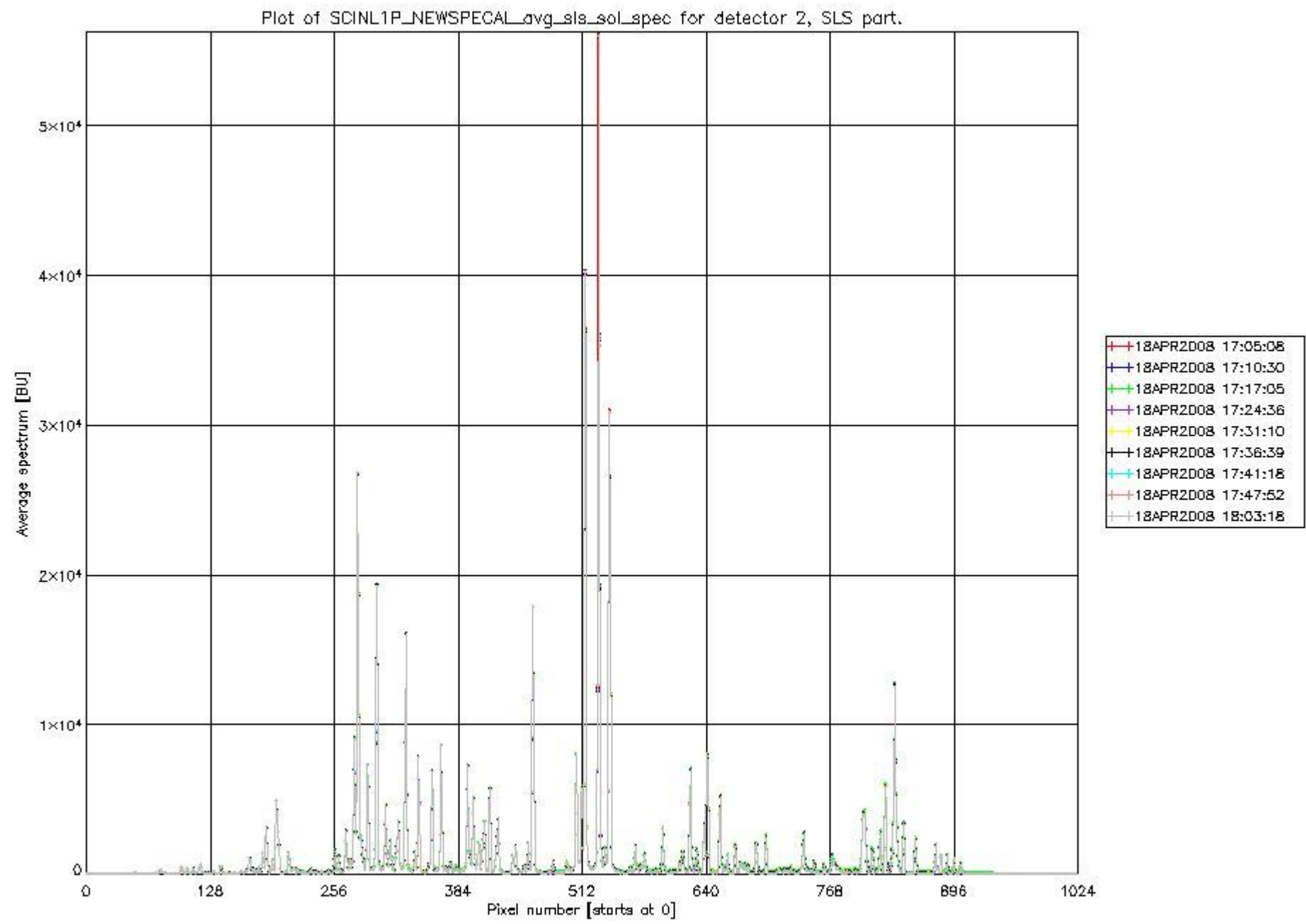


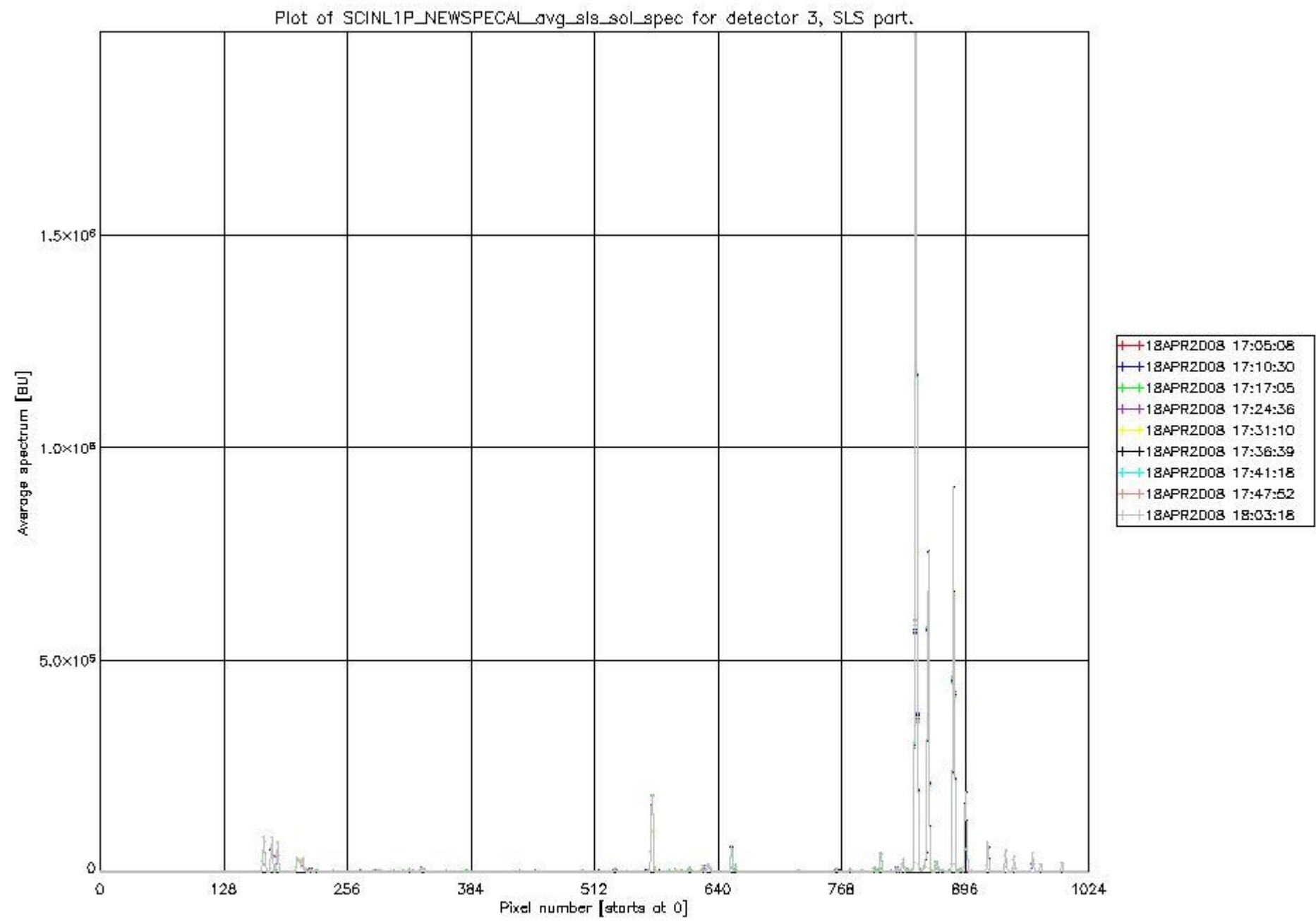
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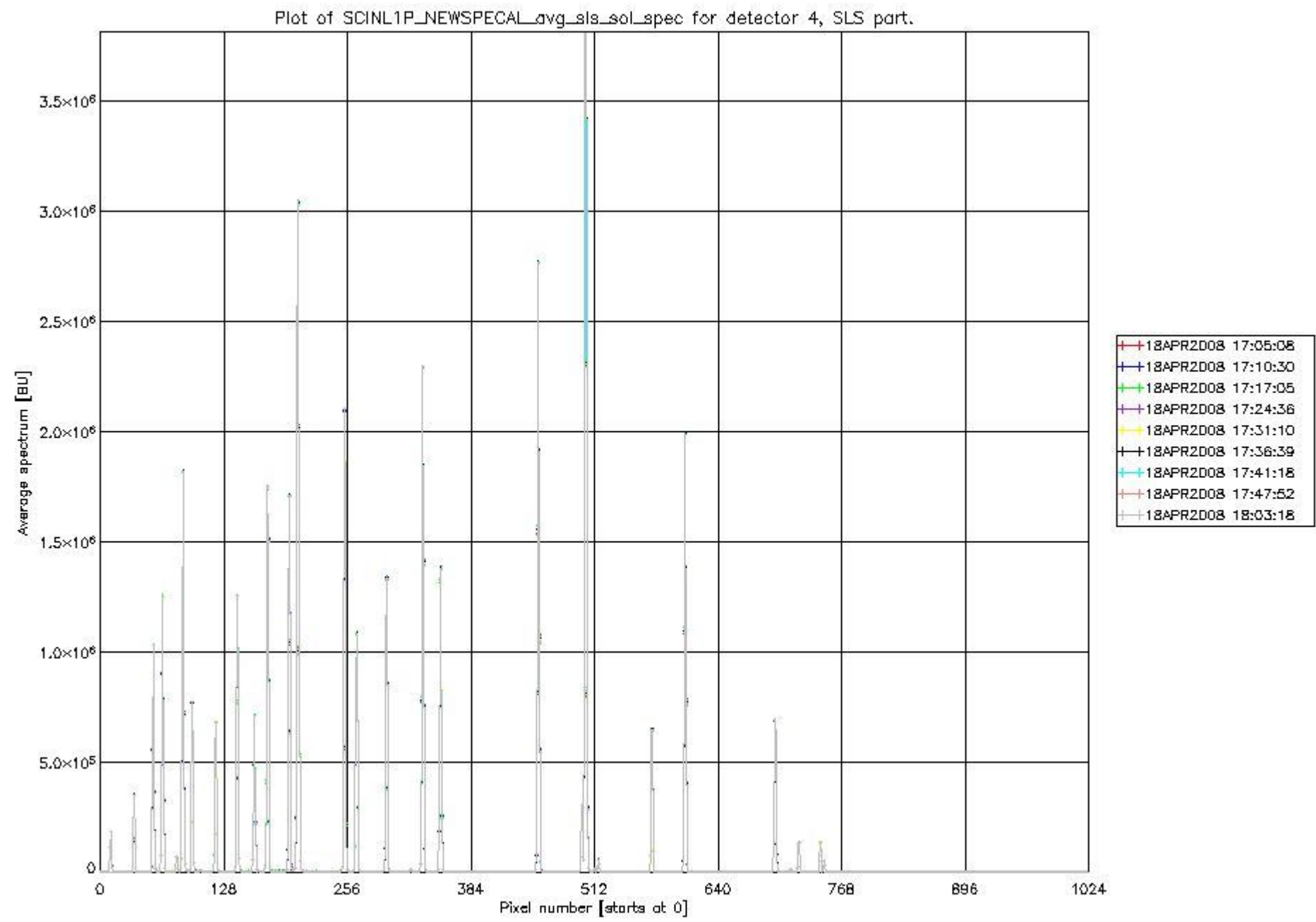
Plots of SCINL1P_NEWLEA_pmd_off vs time on 18APR2008 (red).
Dark average pmd data is given in blue for comparison.

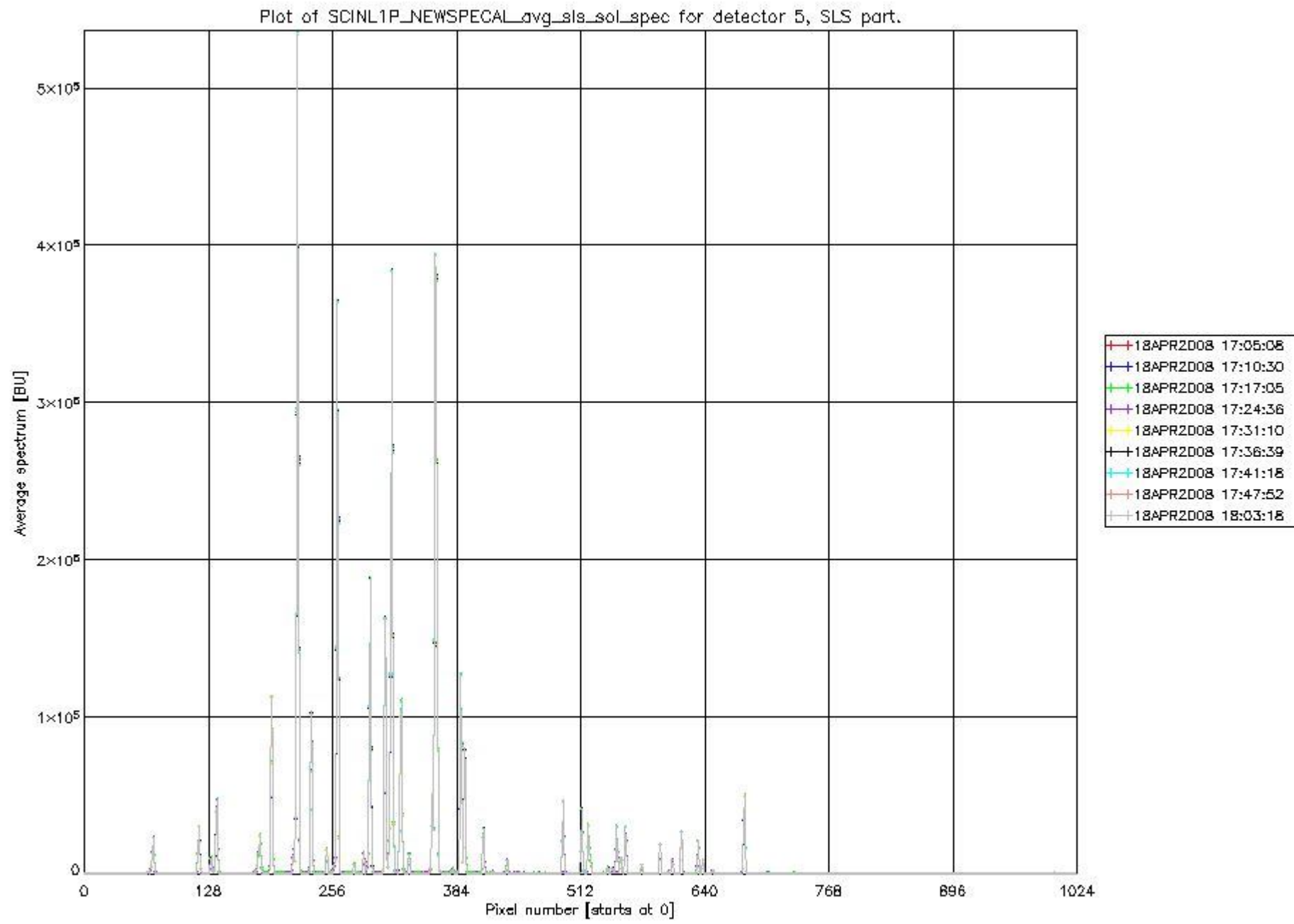


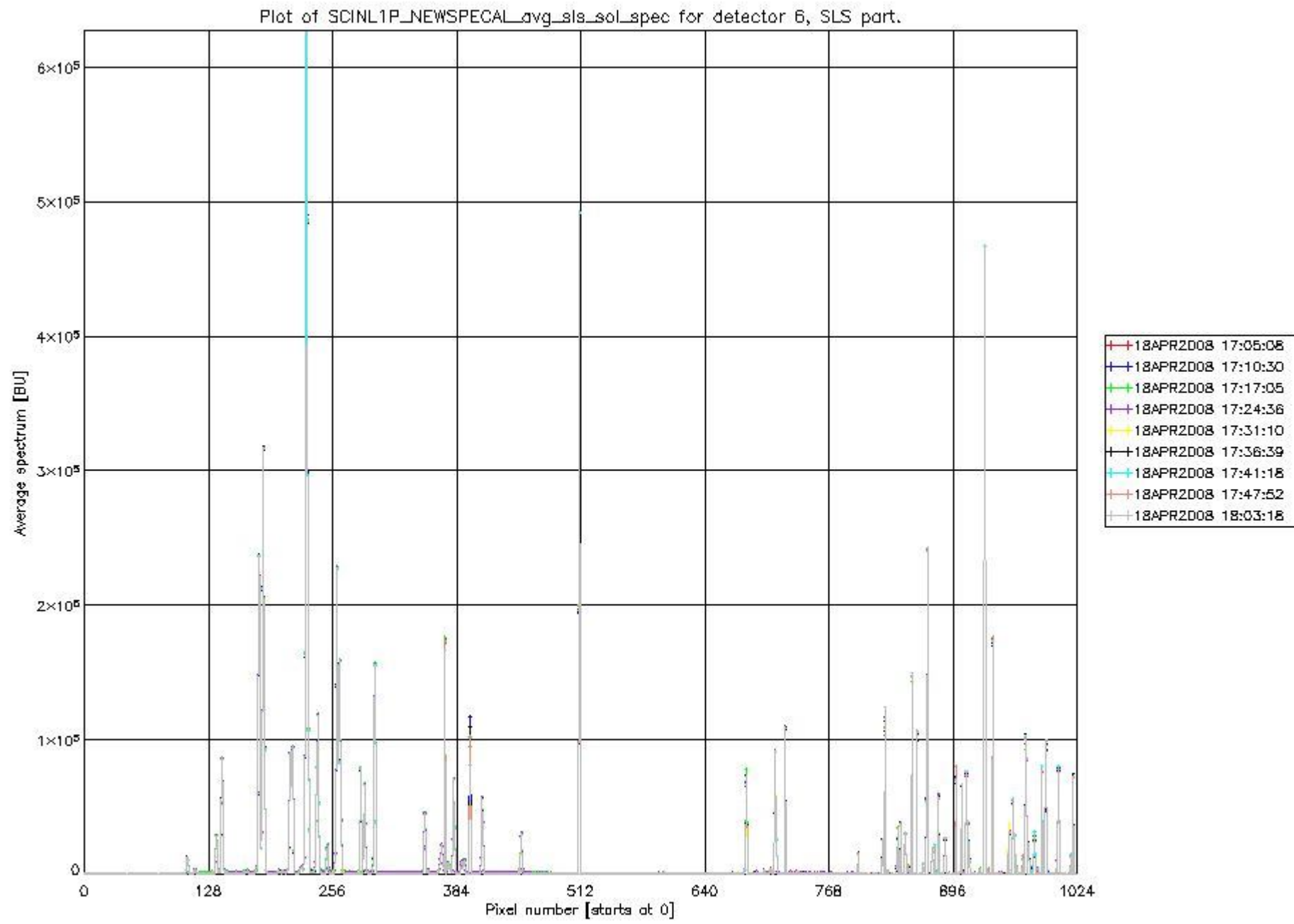


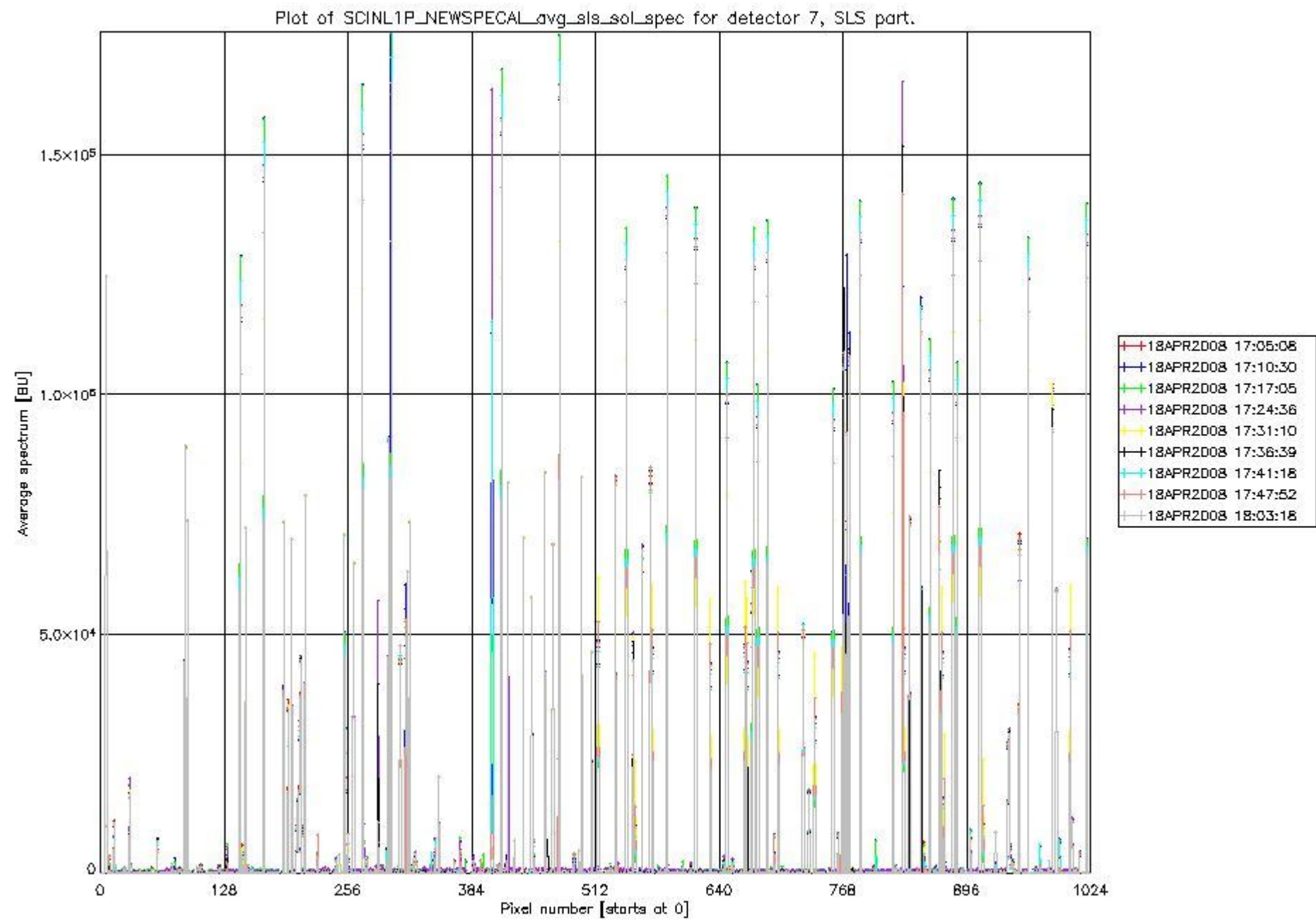


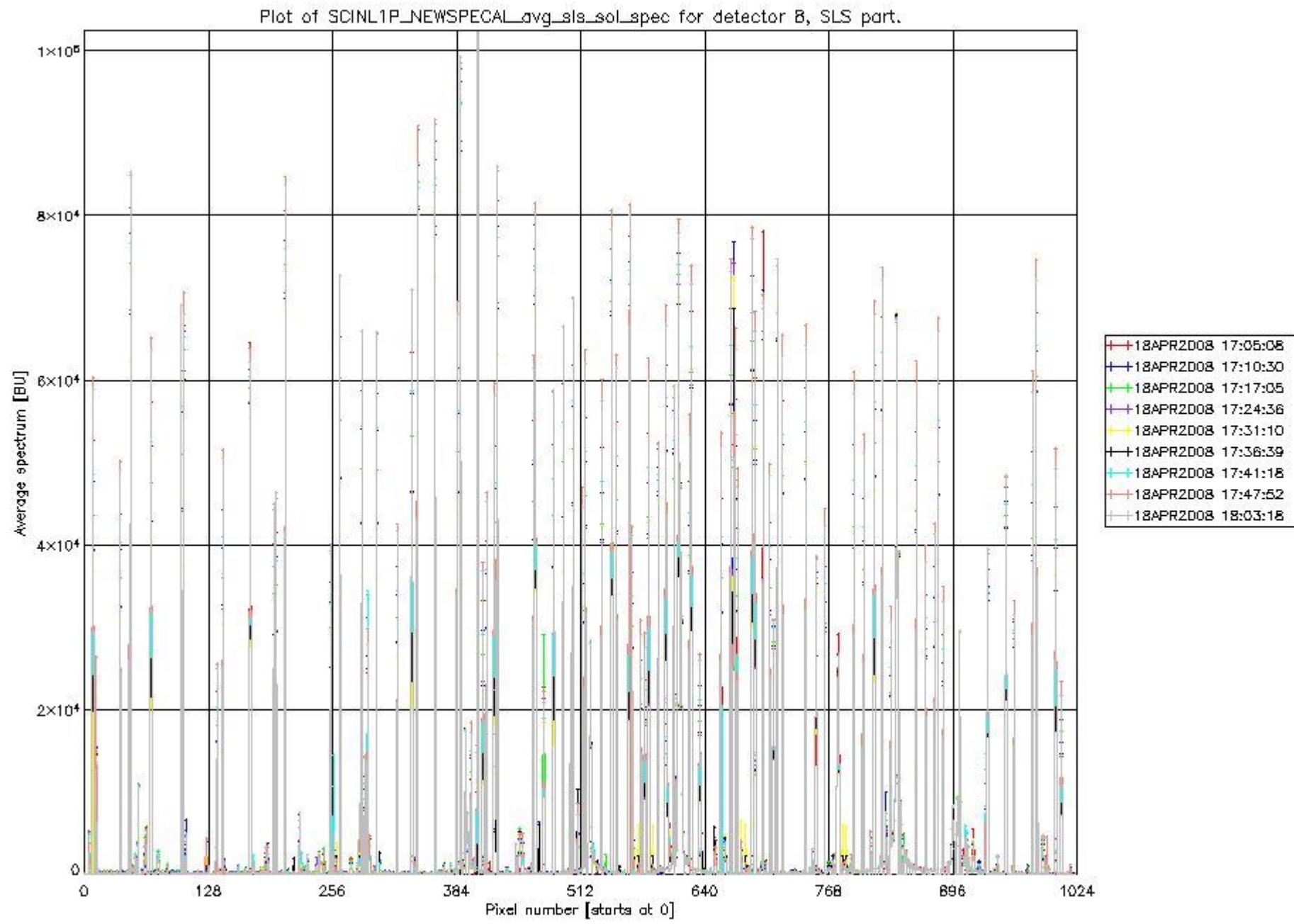


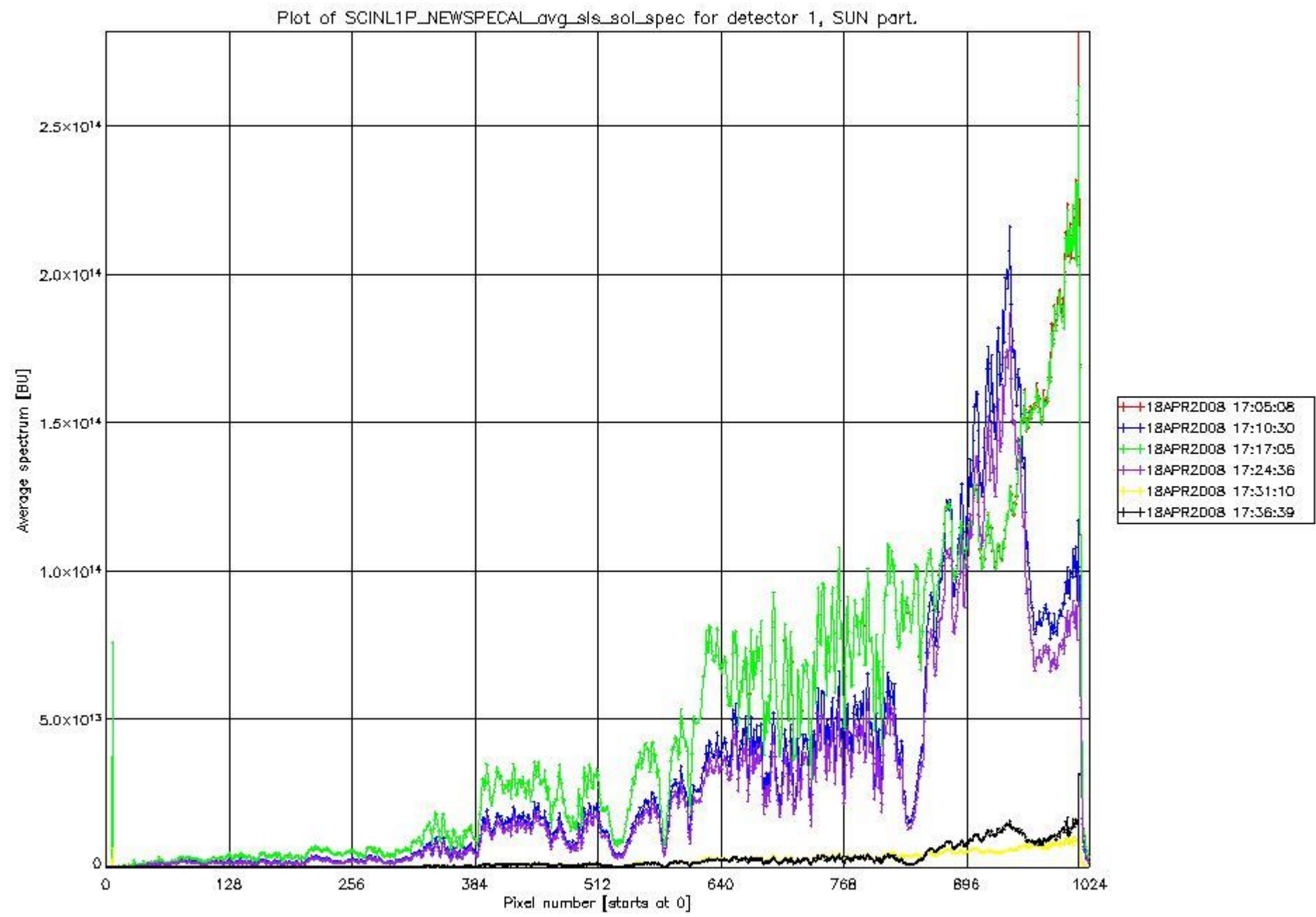




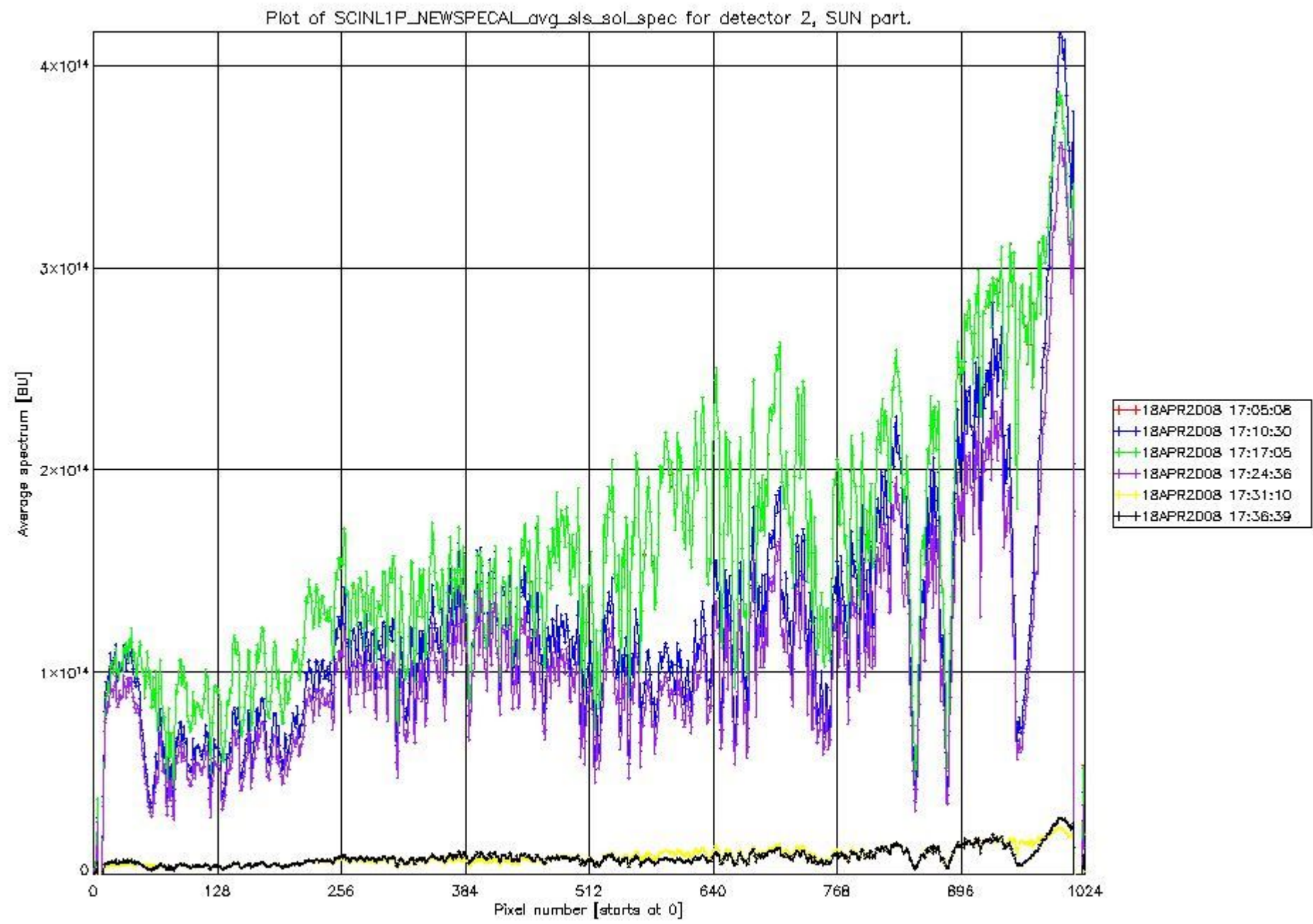


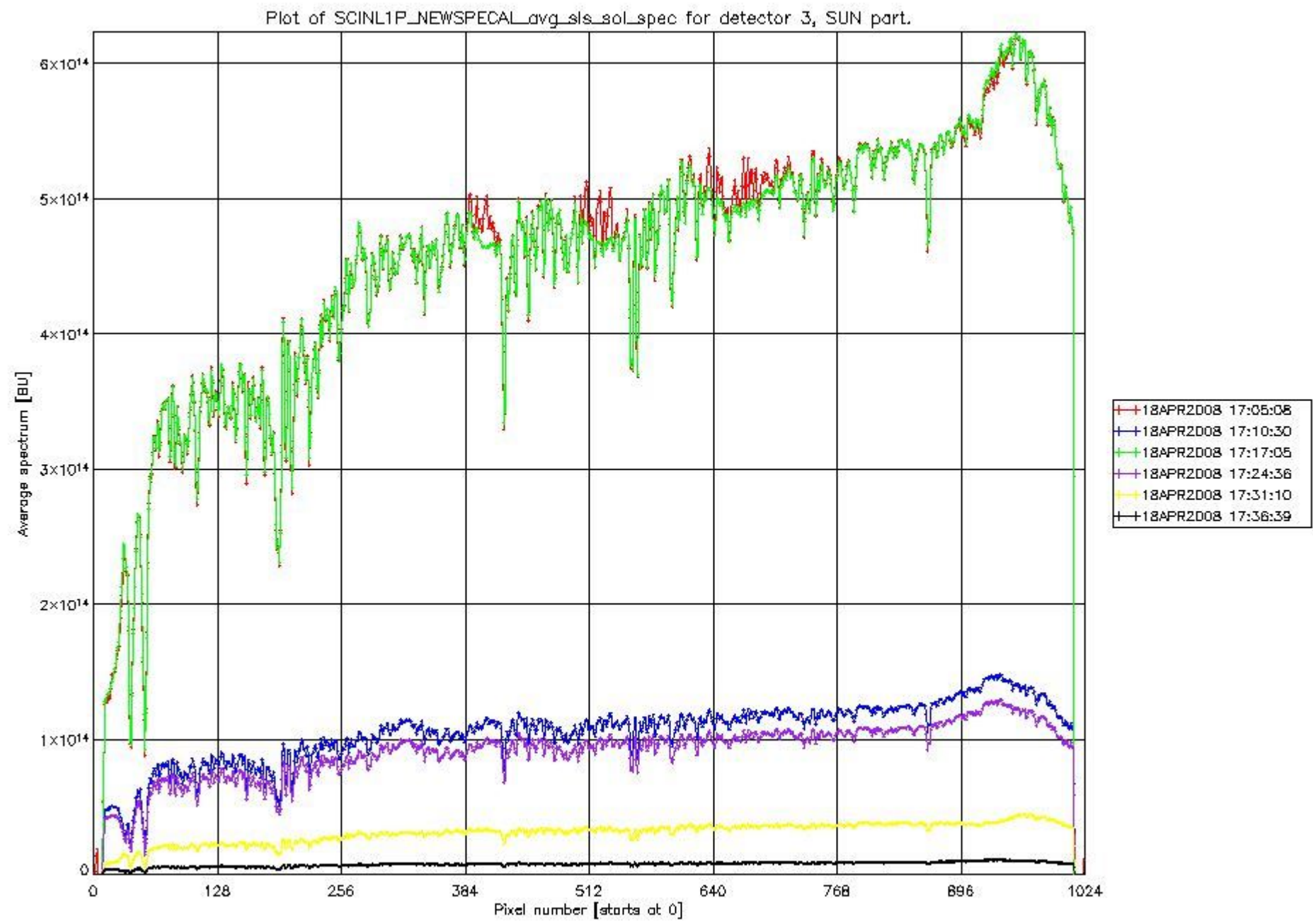




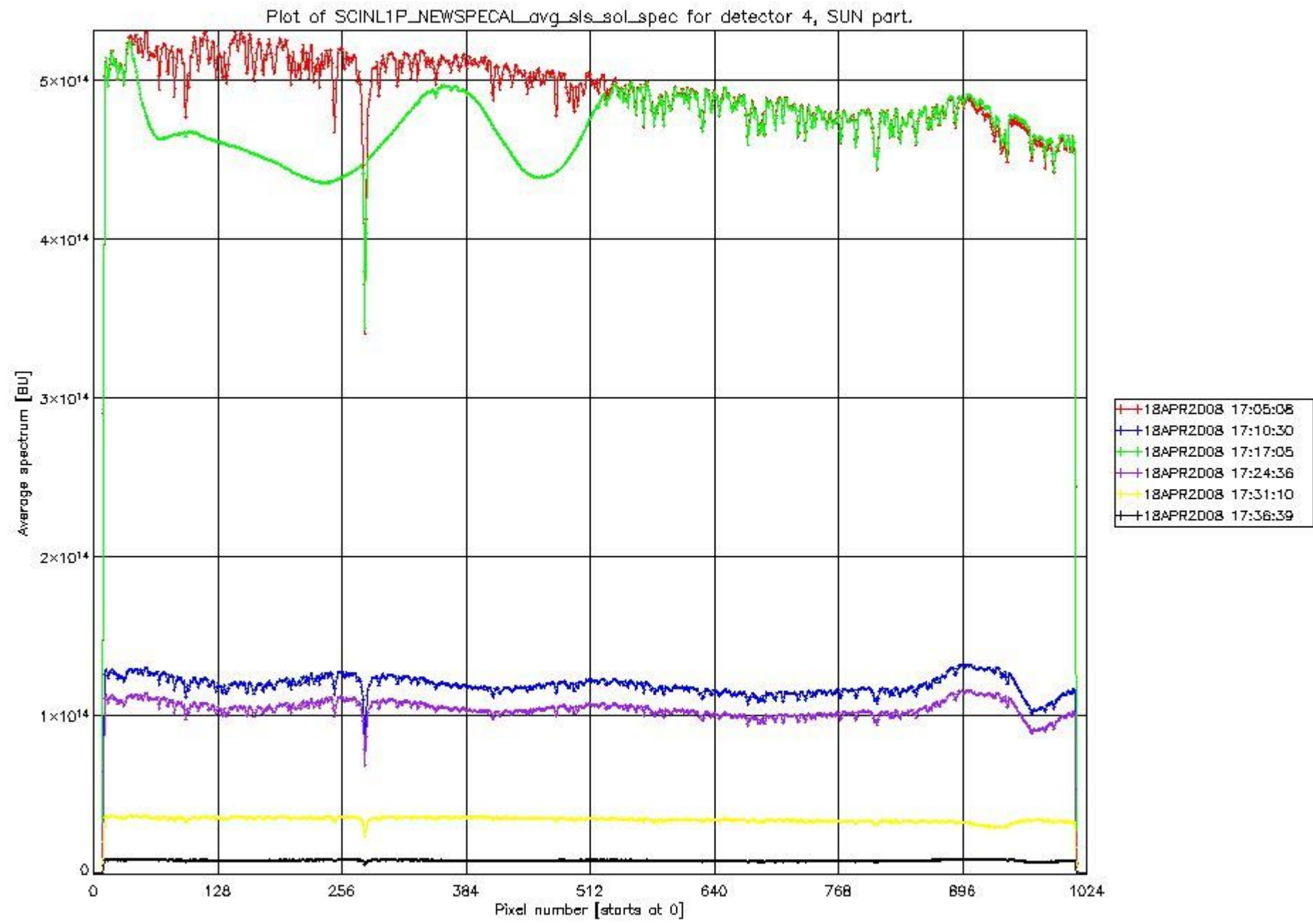


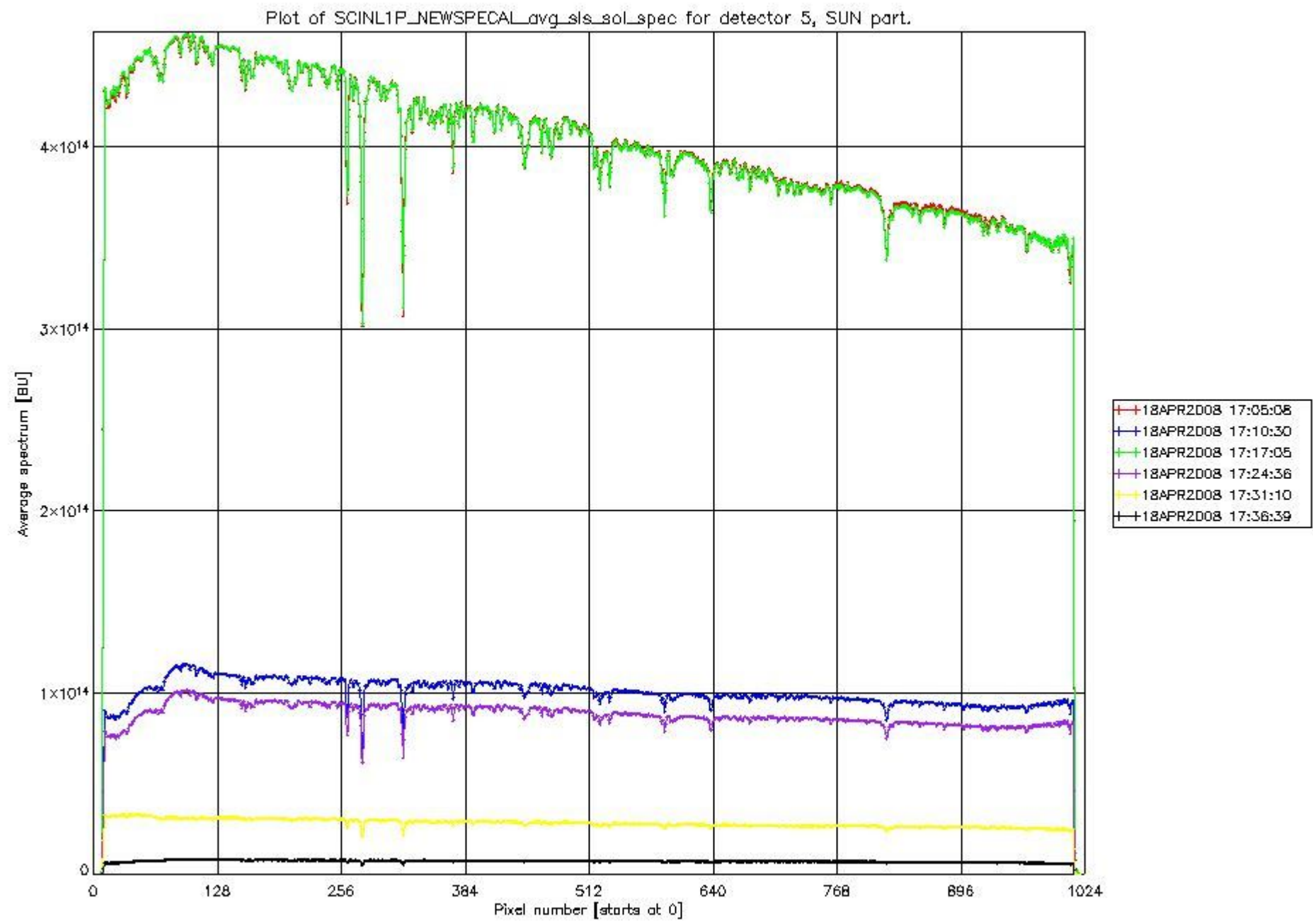
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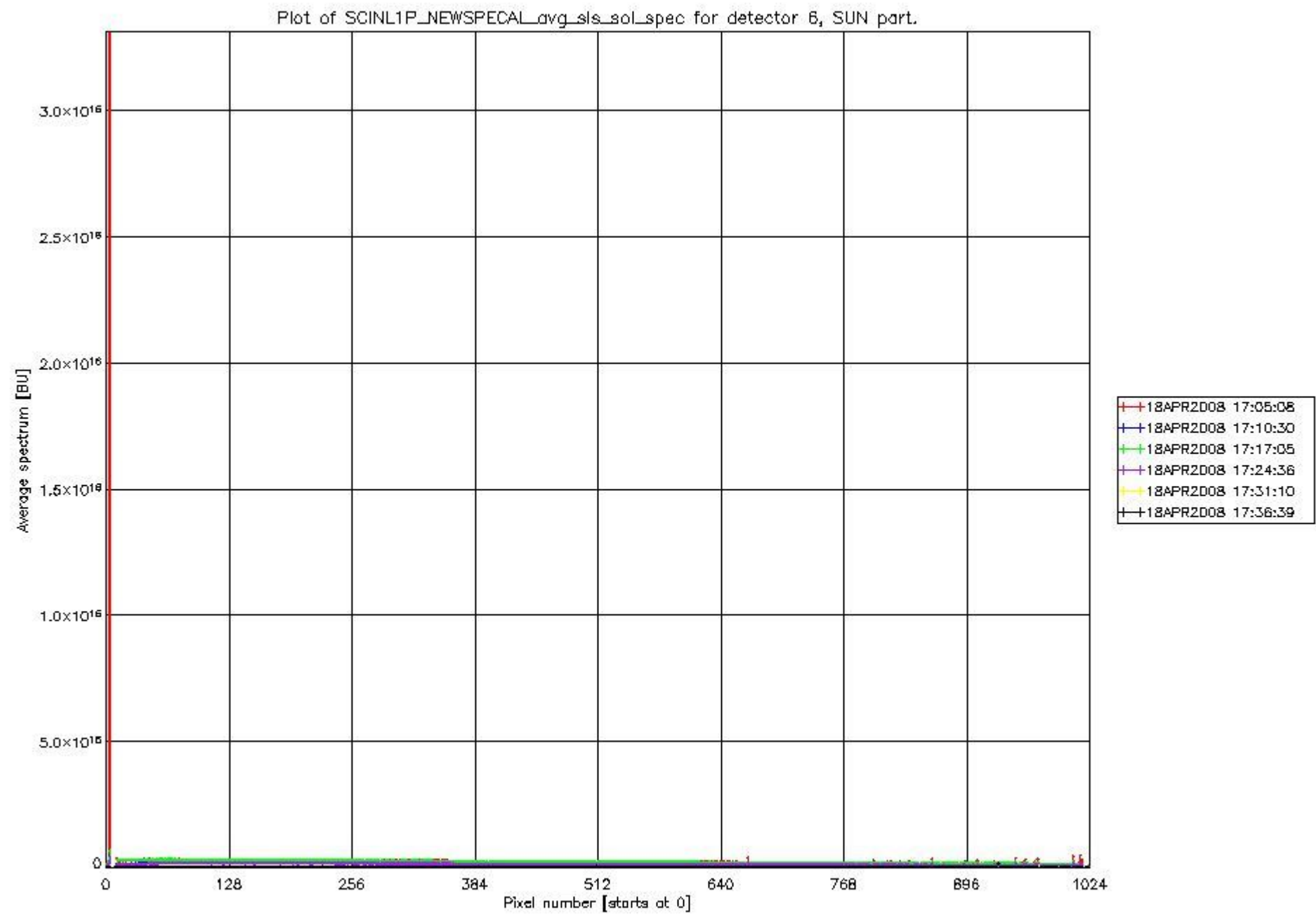




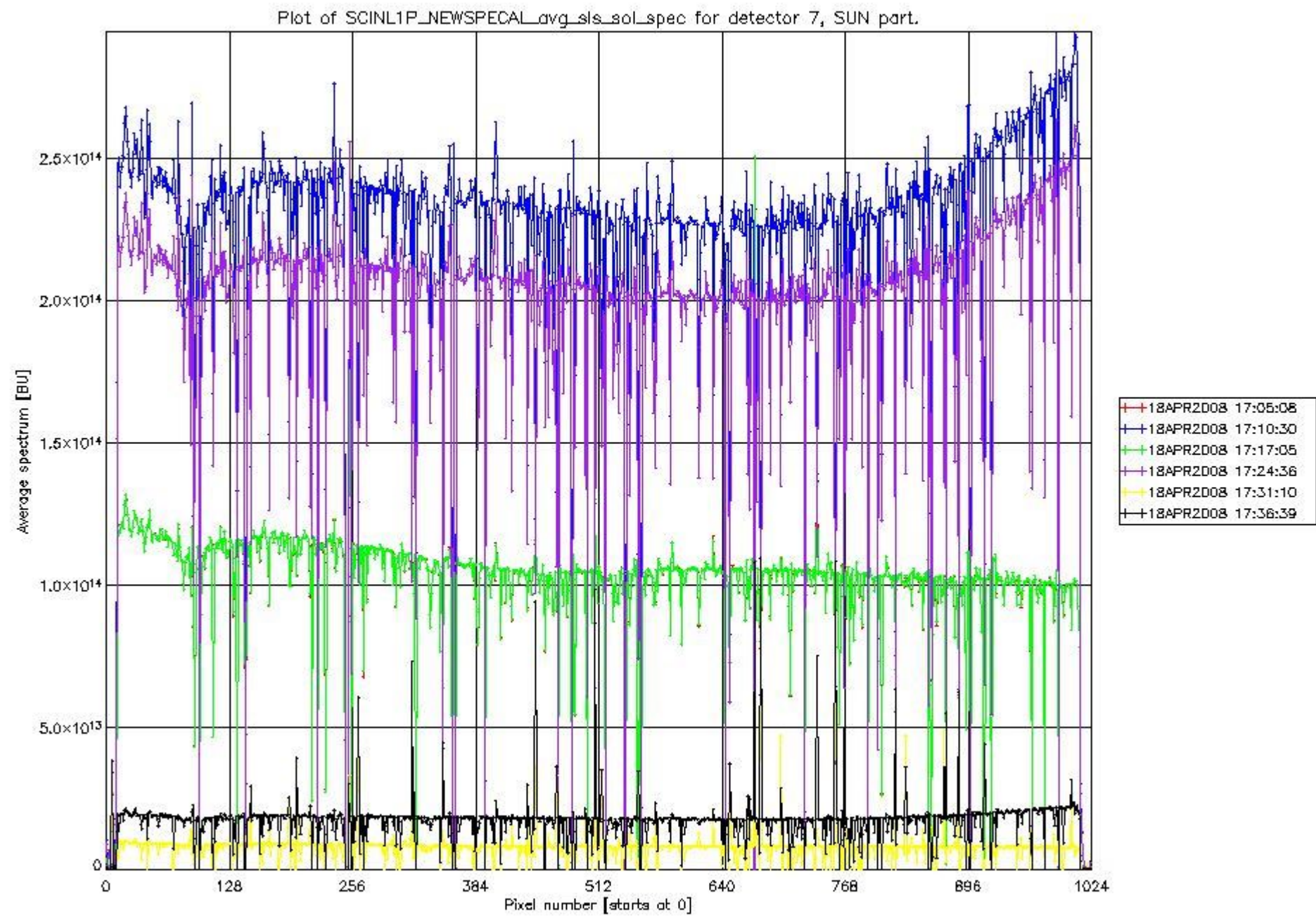
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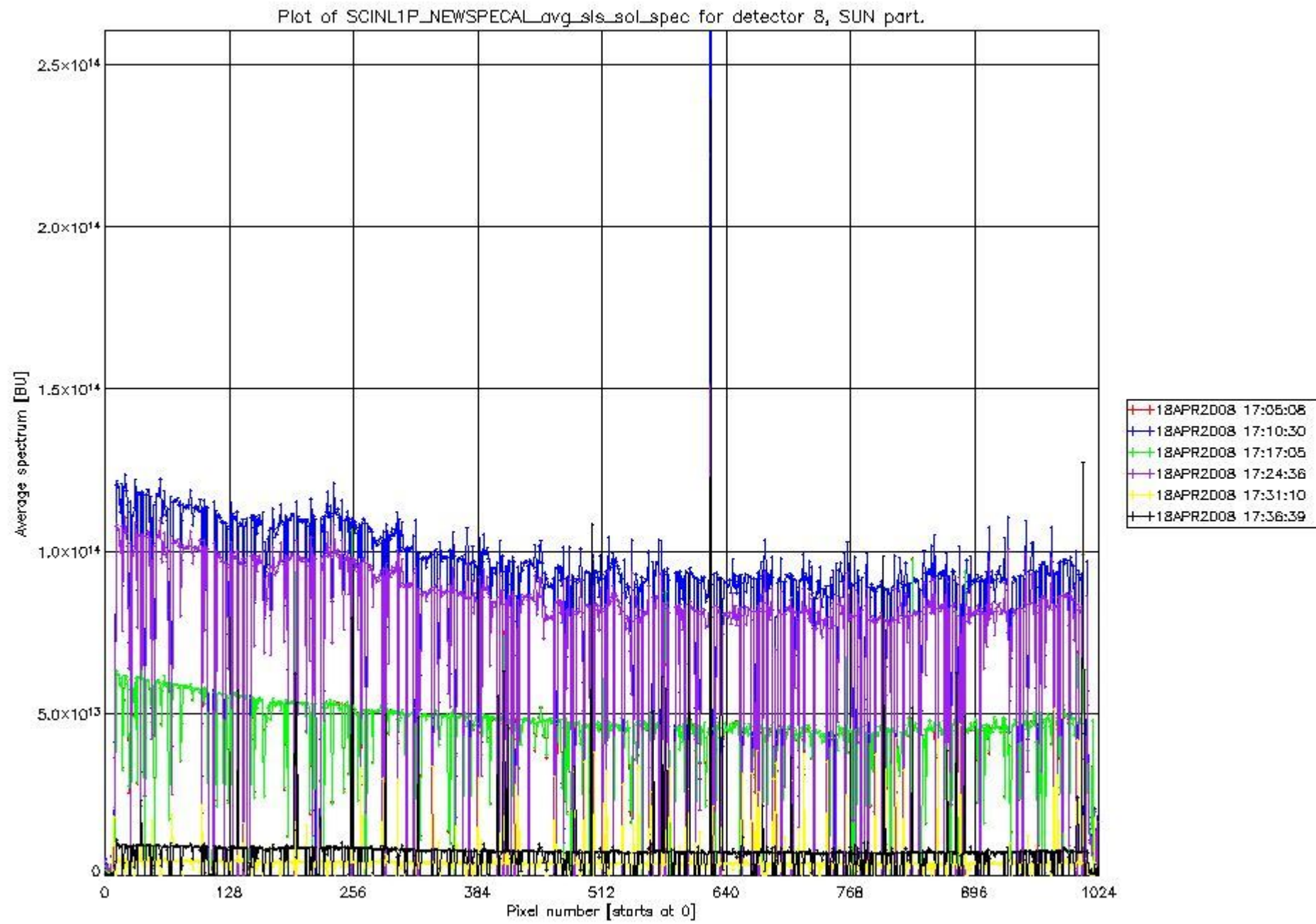




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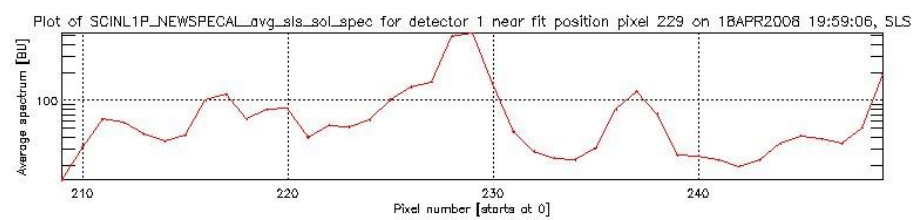
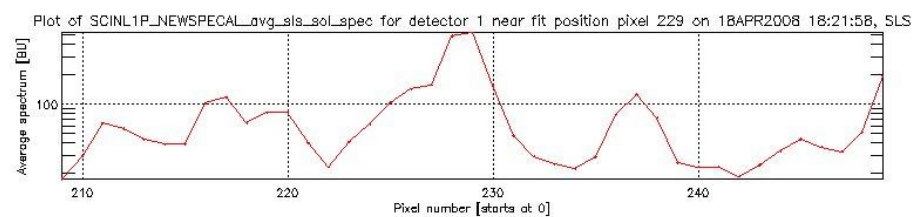
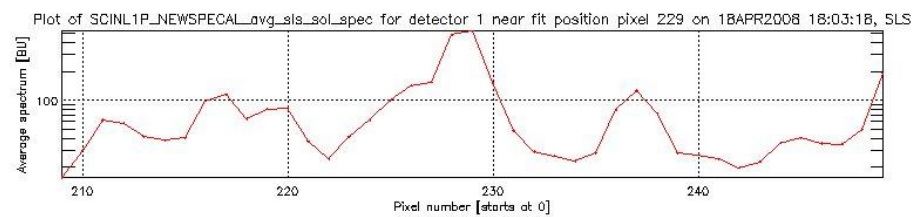
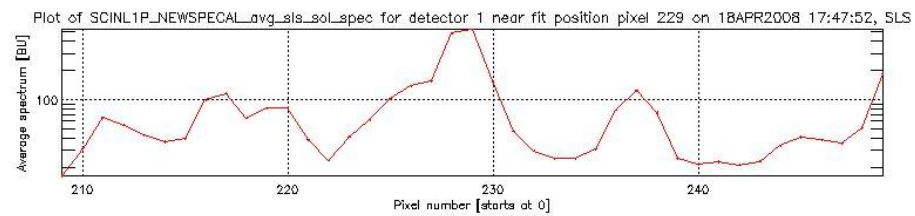
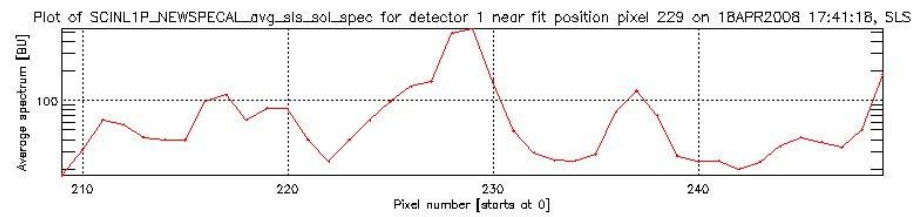
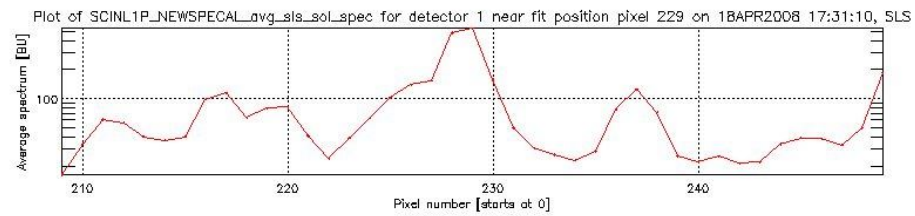
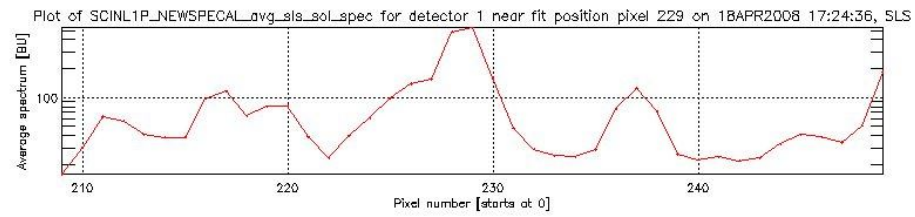
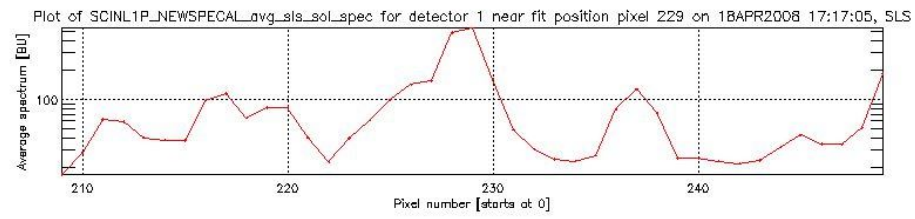
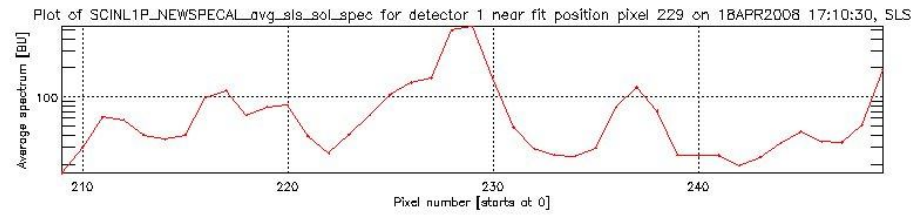


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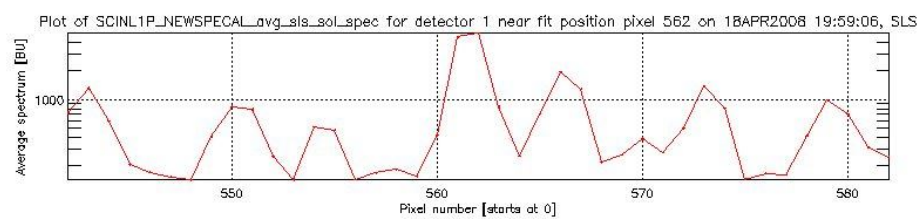
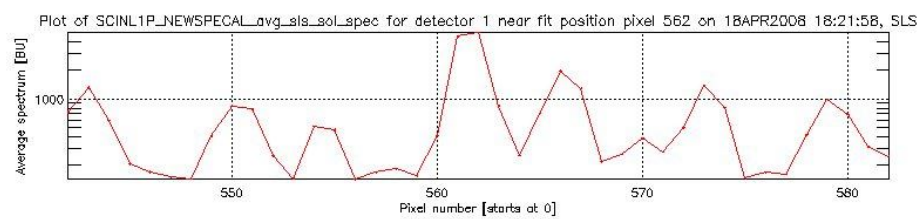
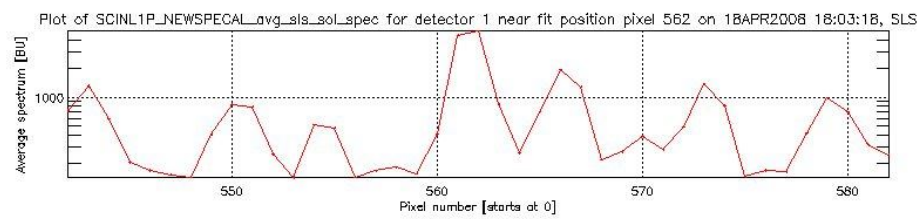
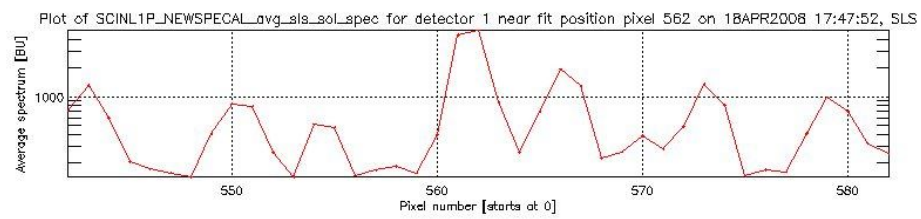
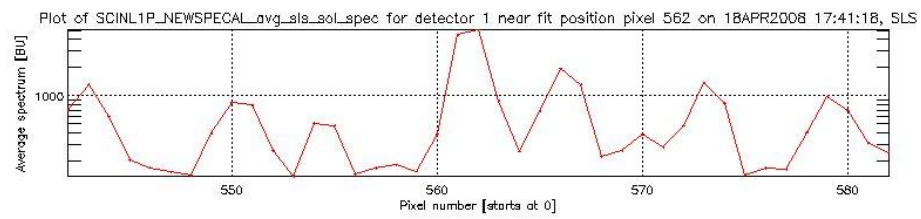
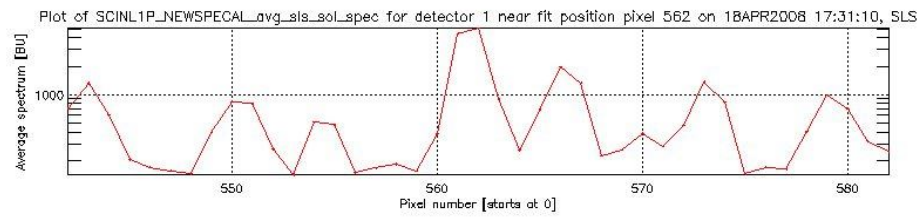
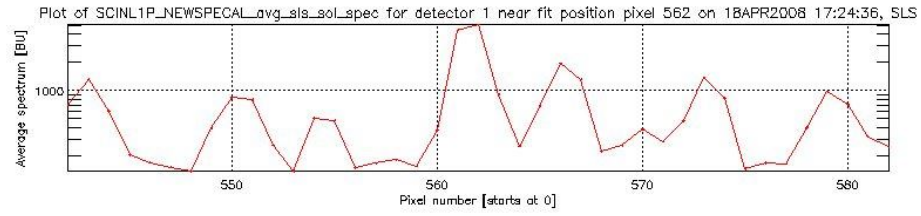
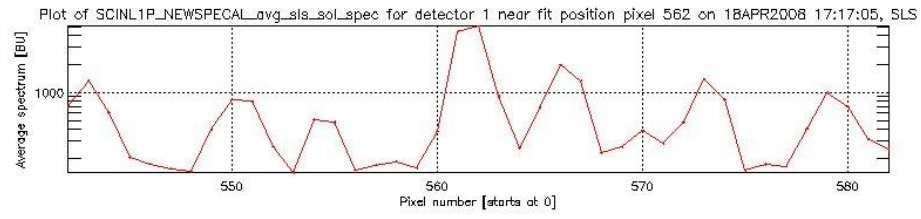
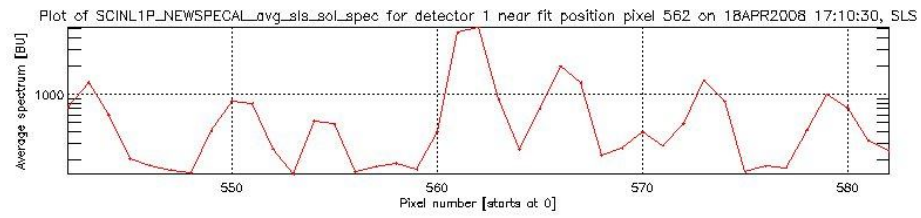


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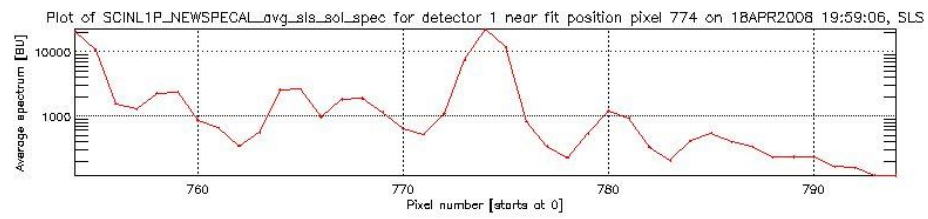
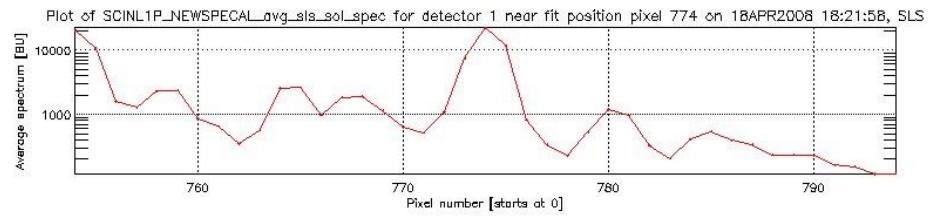
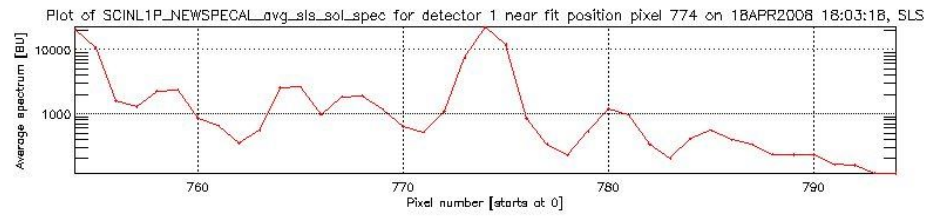
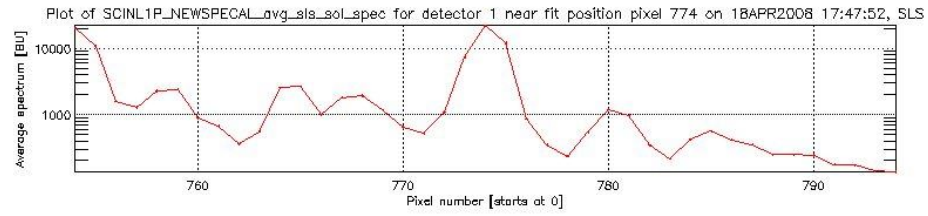
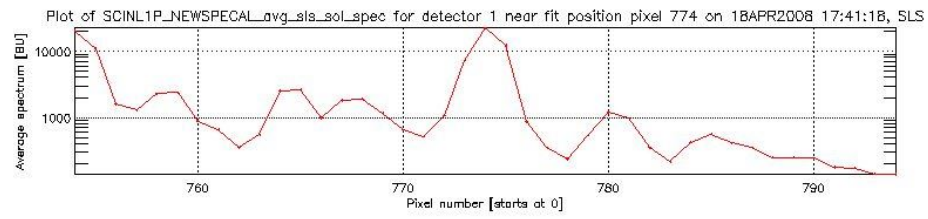
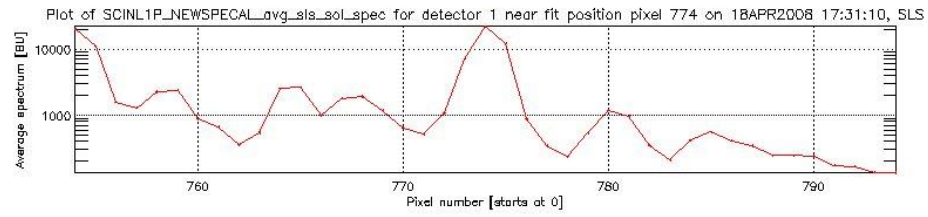
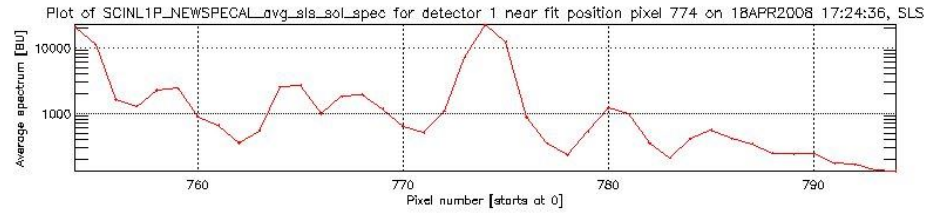
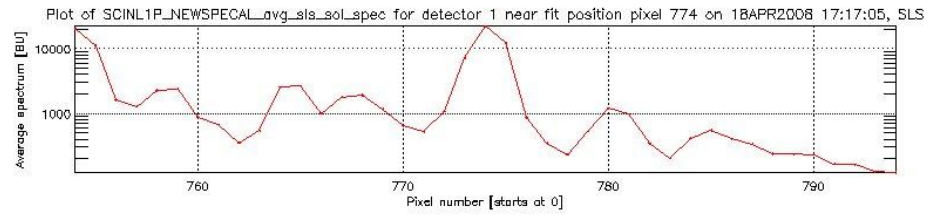
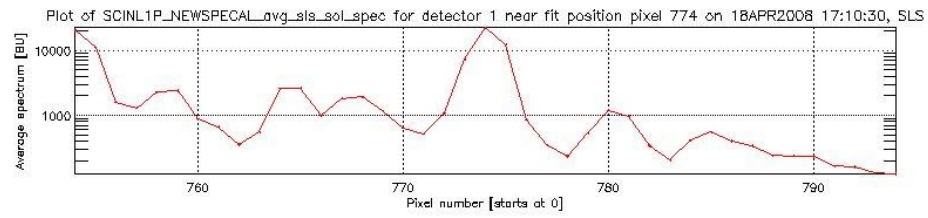
The following figures give an overview of the spectra near the selected line positions.



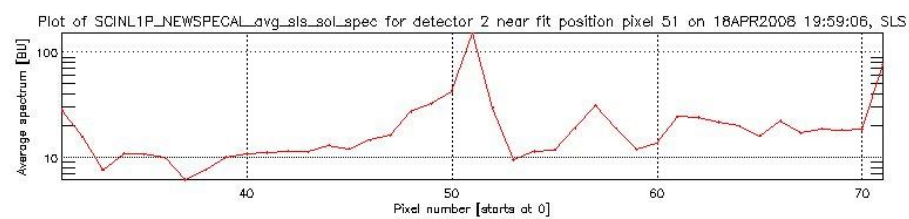
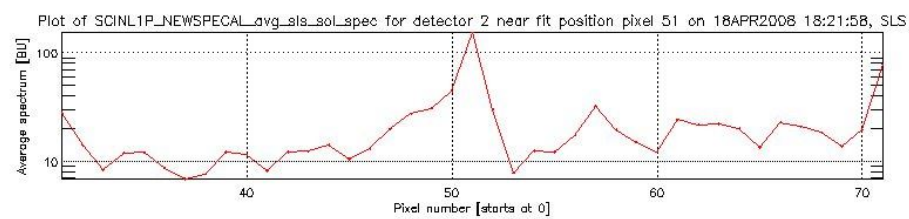
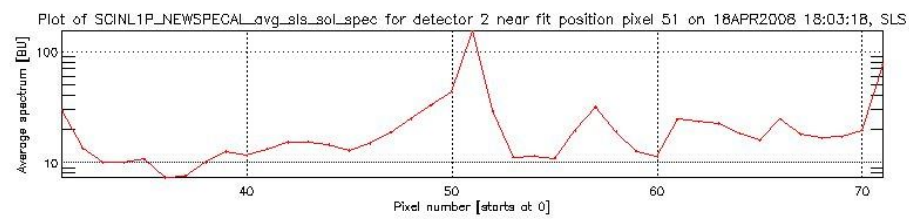
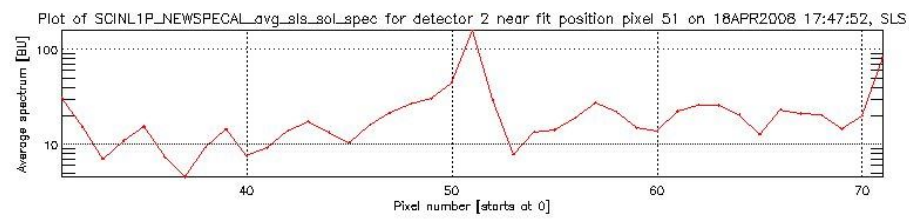
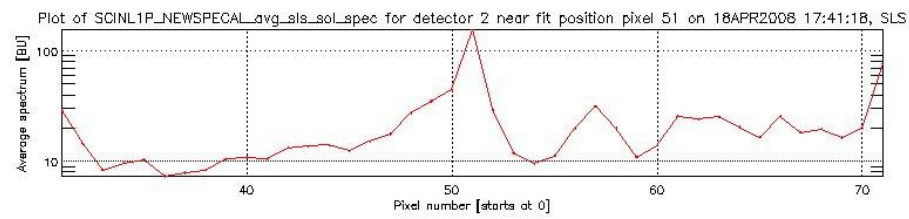
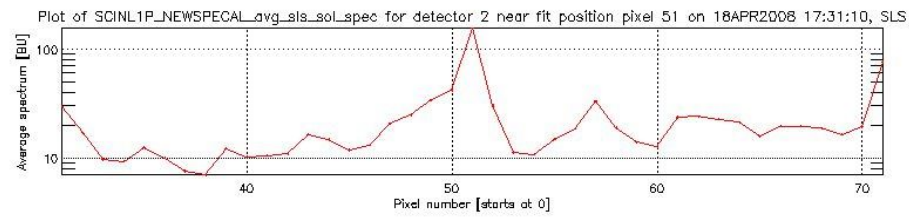
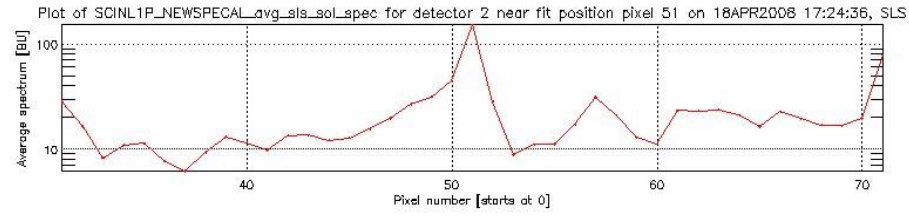
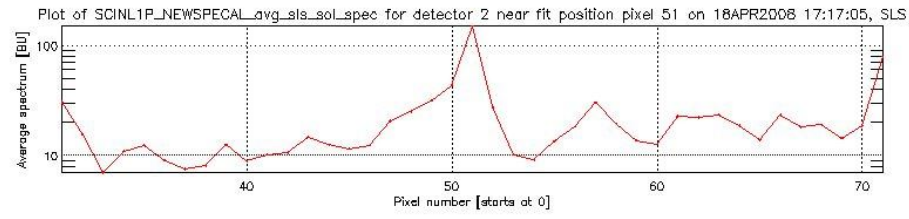
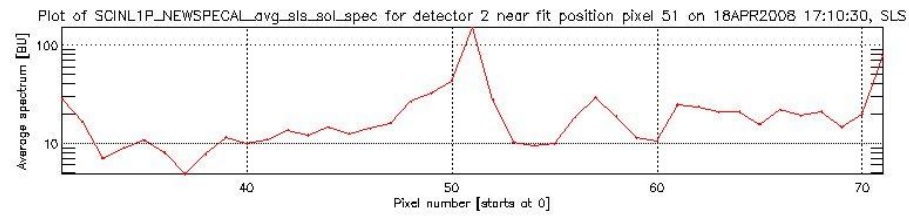
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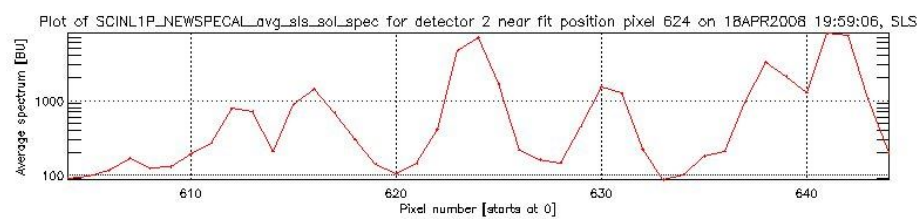
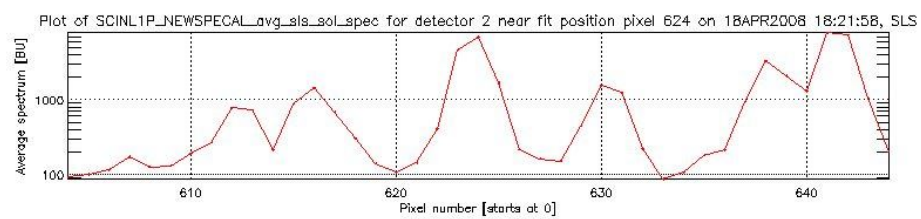
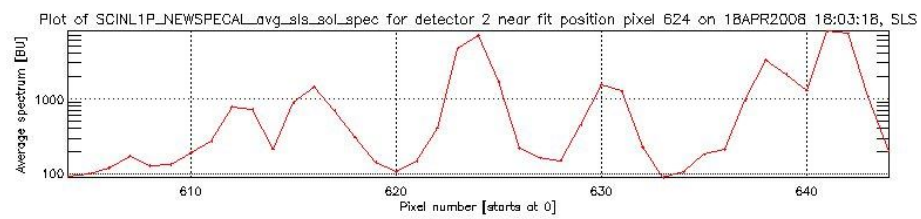
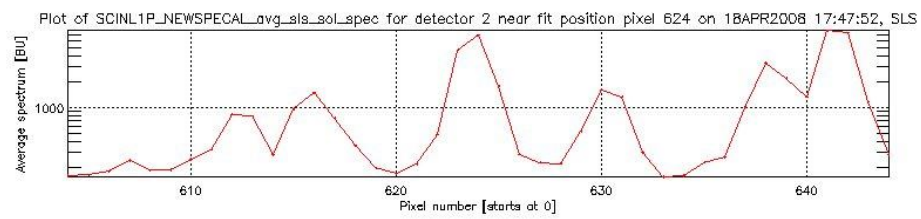
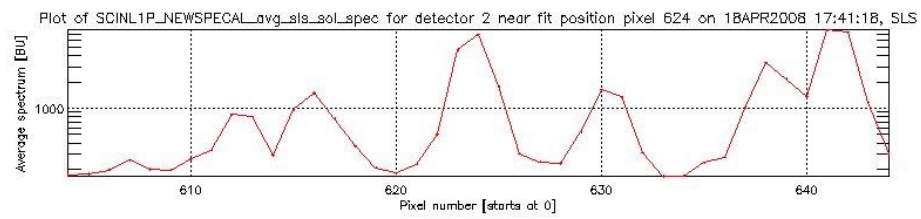
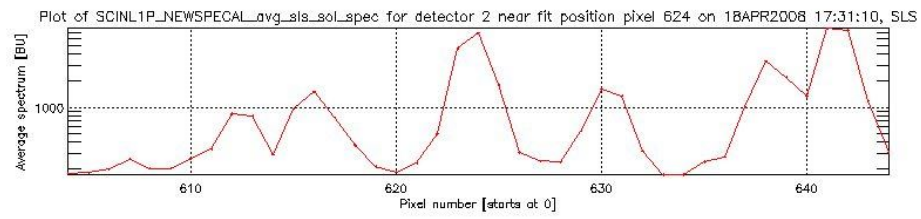
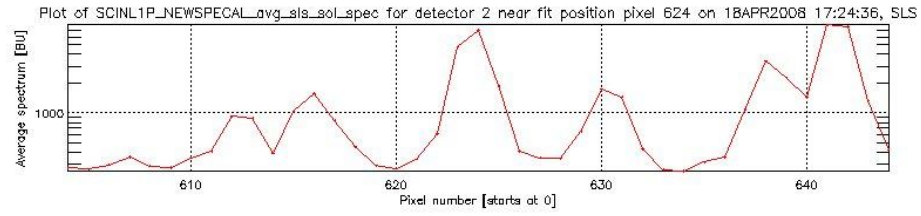
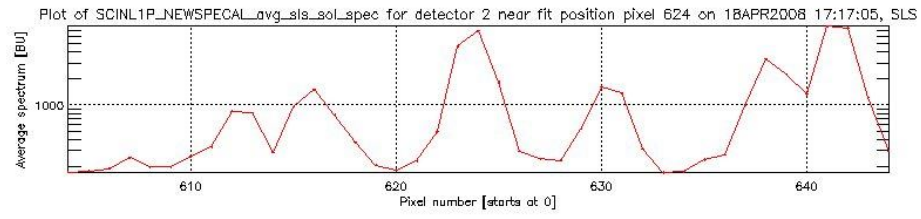
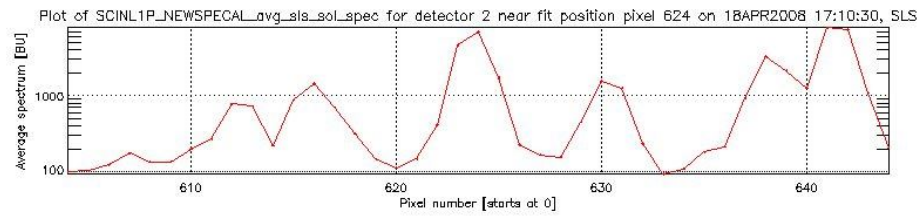
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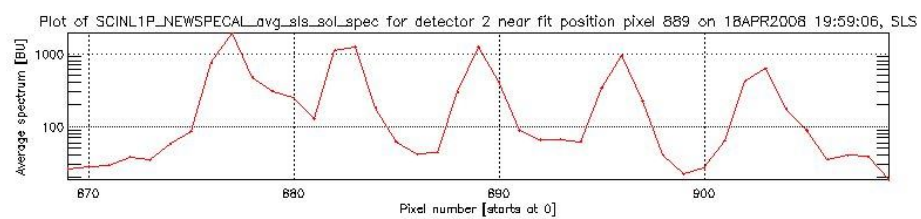
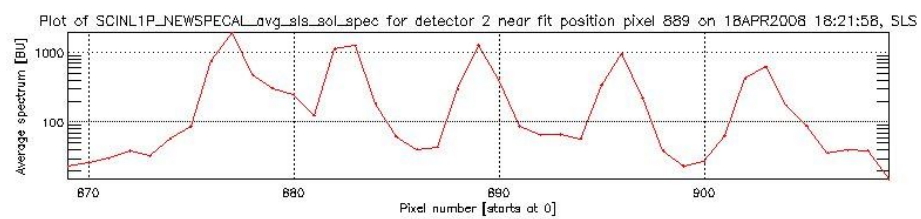
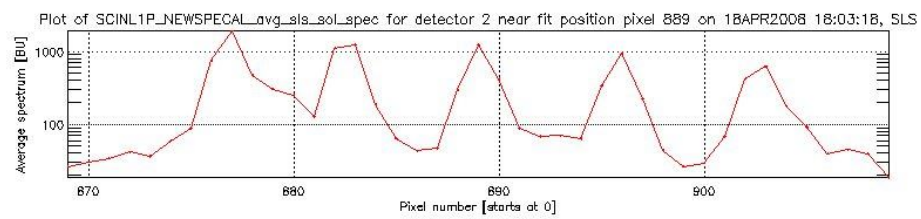
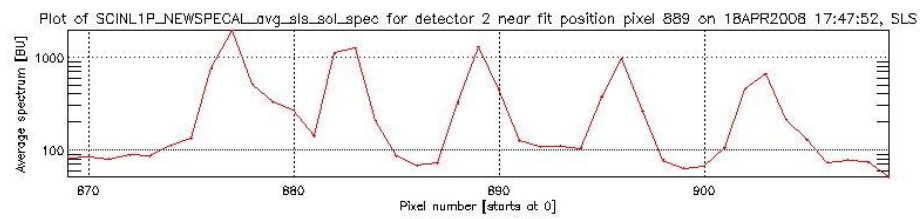
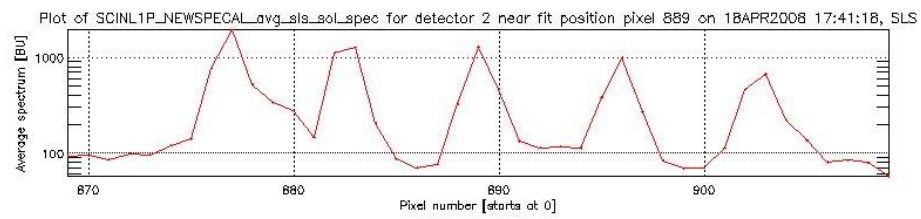
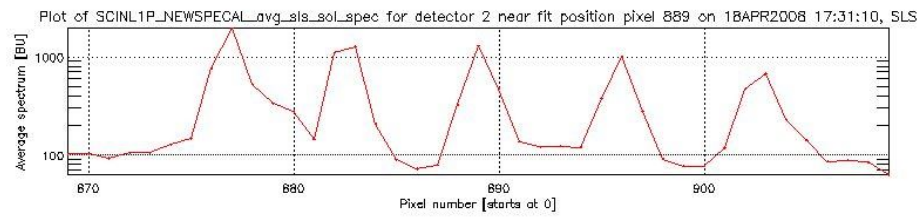
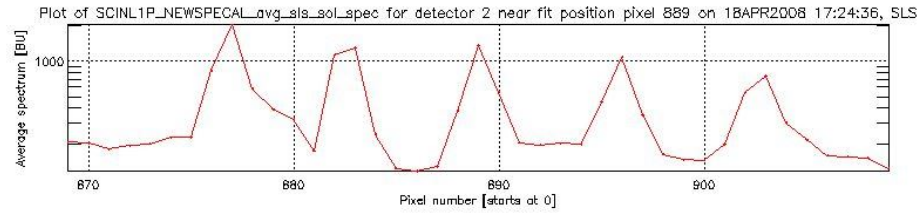
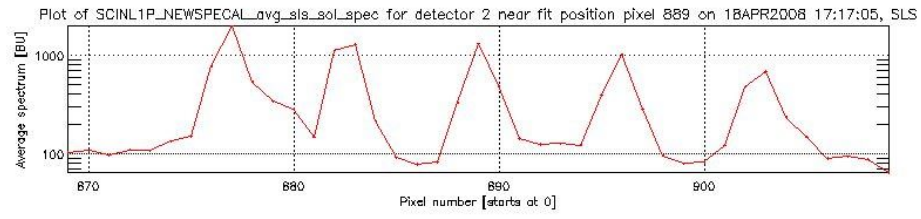
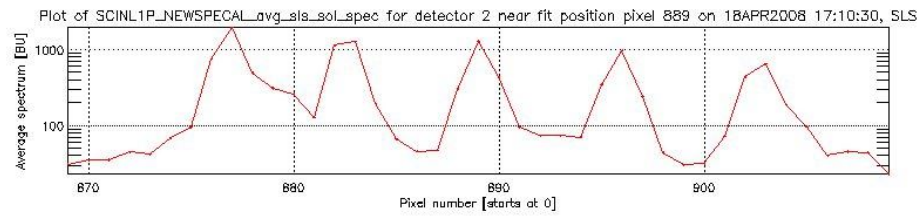
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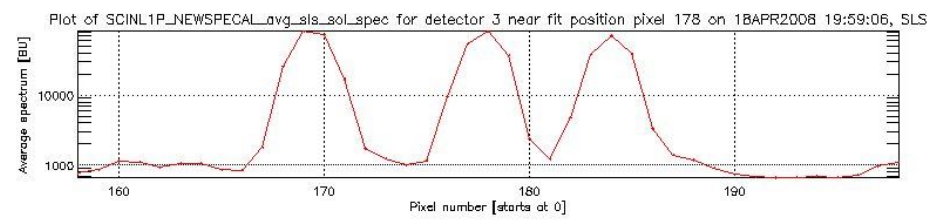
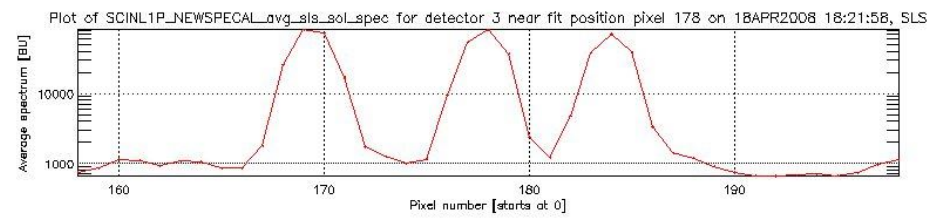
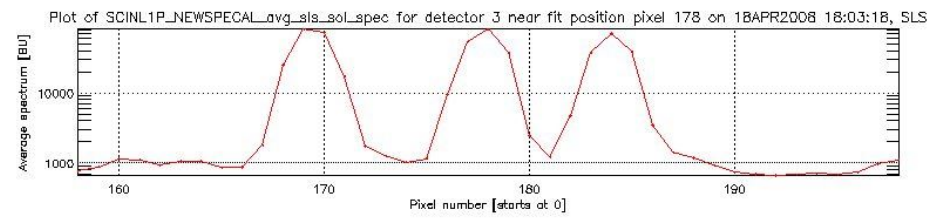
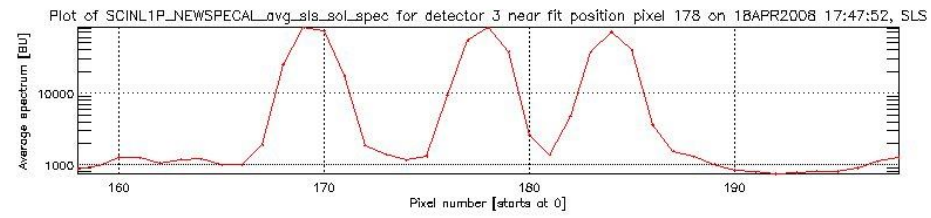
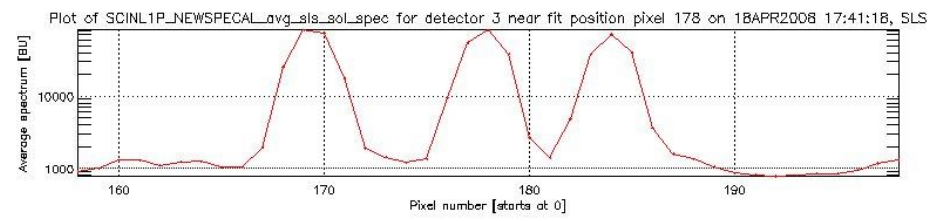
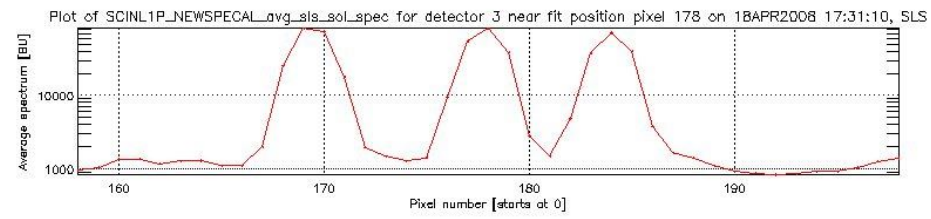
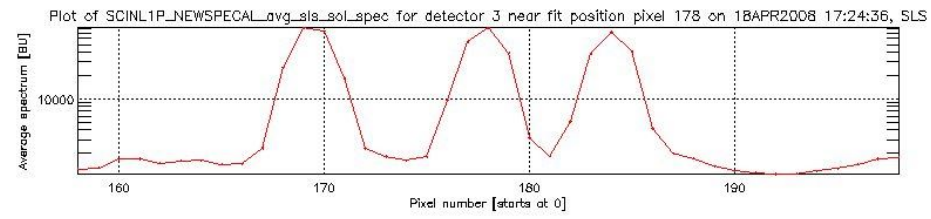
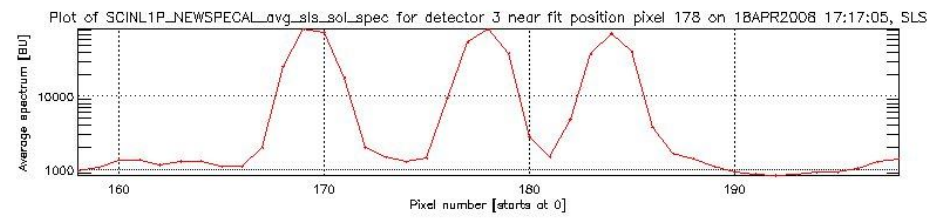
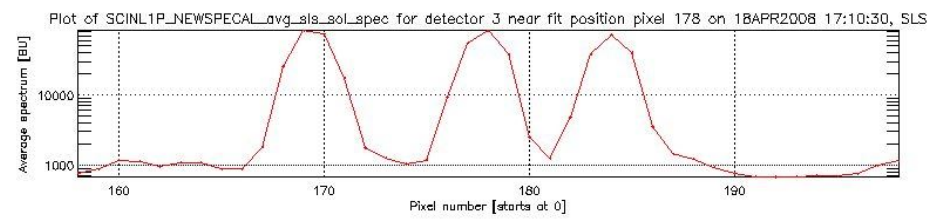
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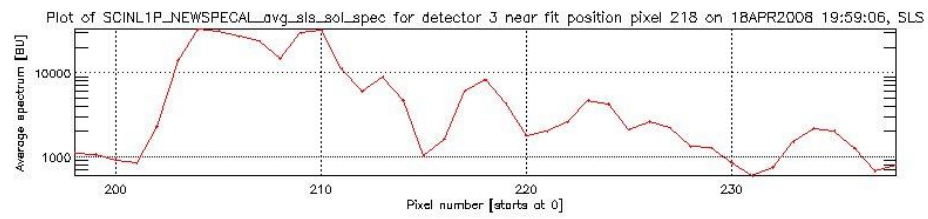
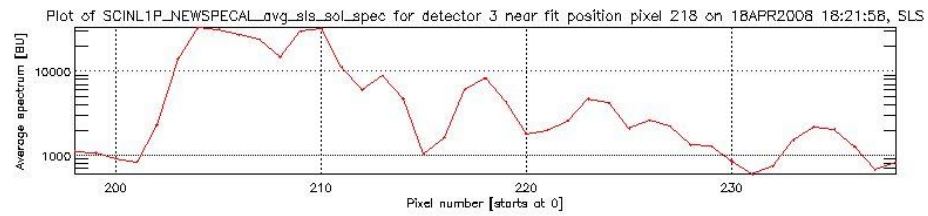
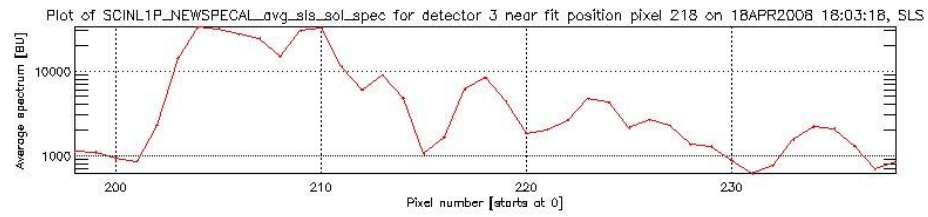
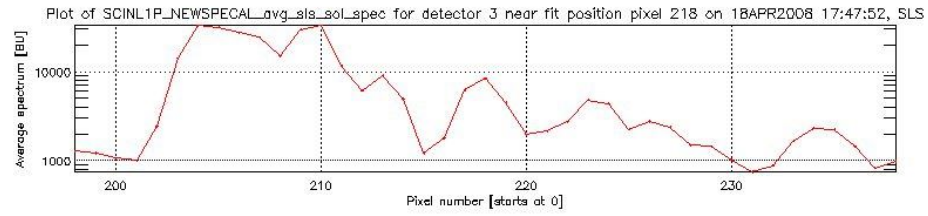
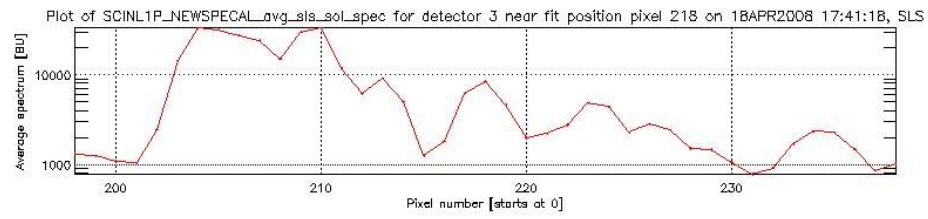
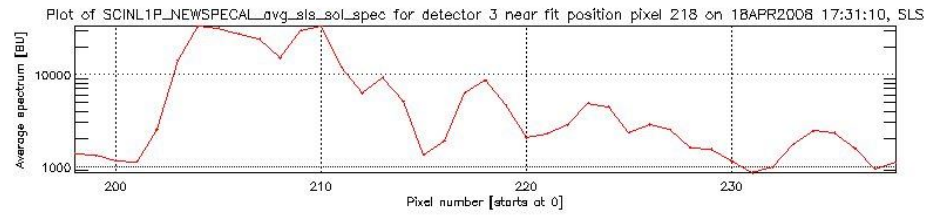
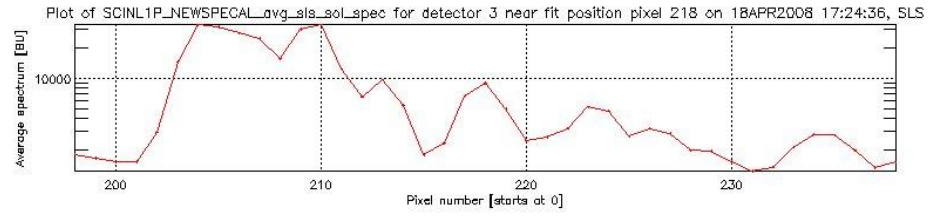
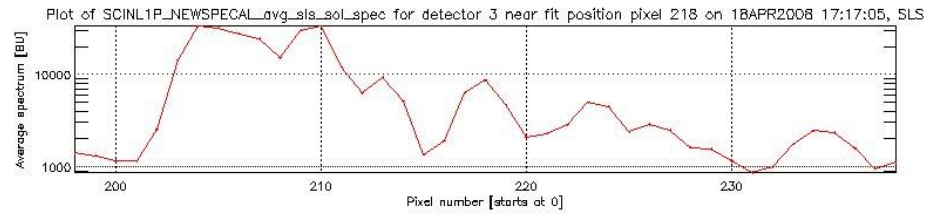
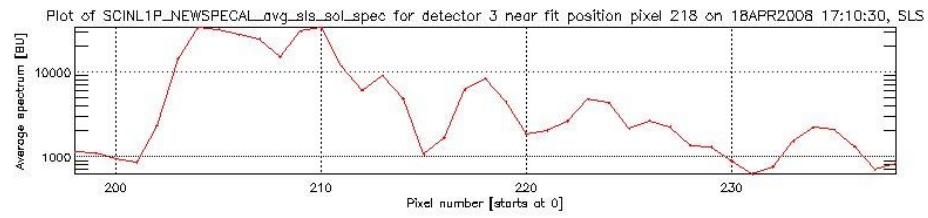
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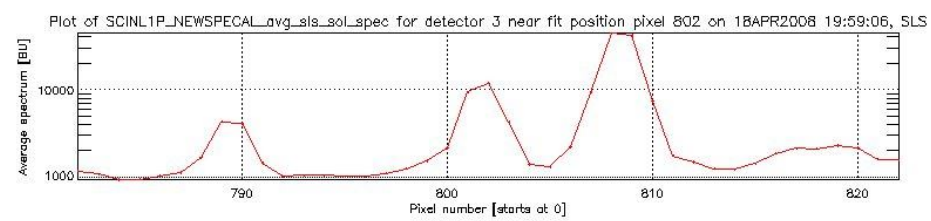
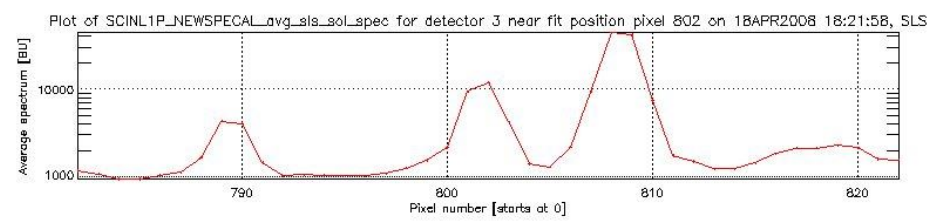
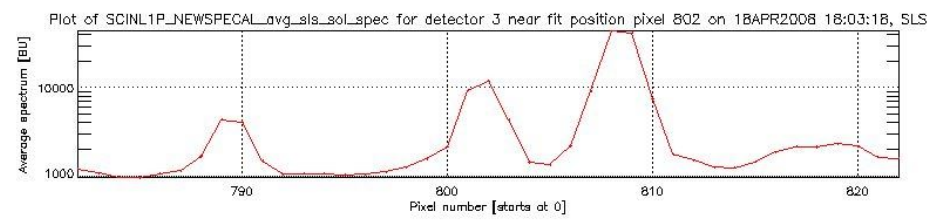
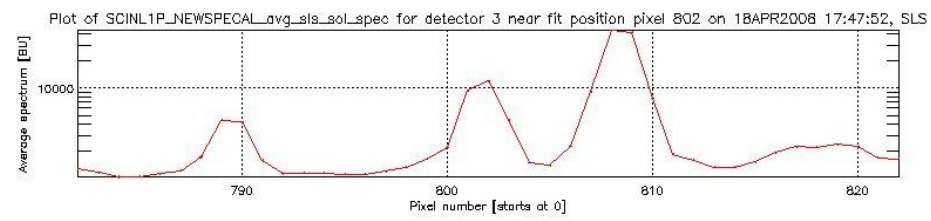
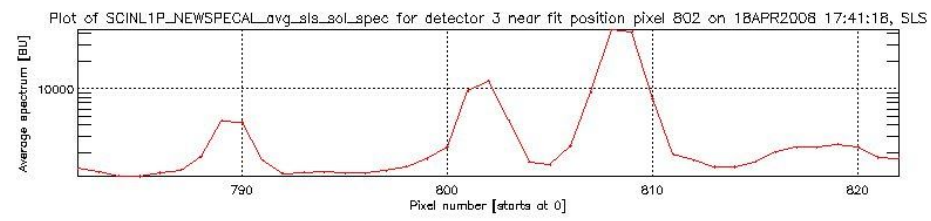
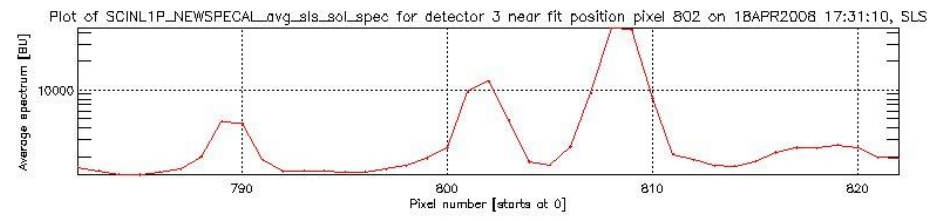
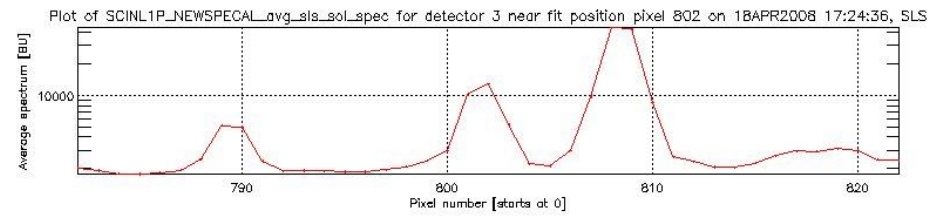
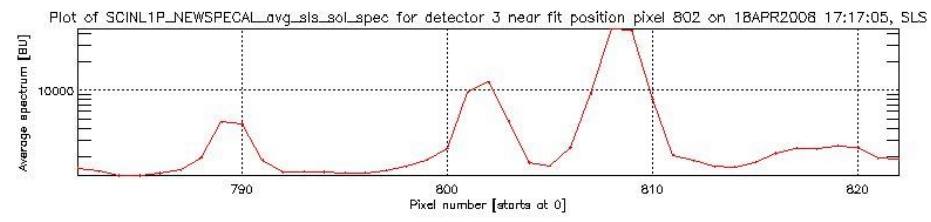
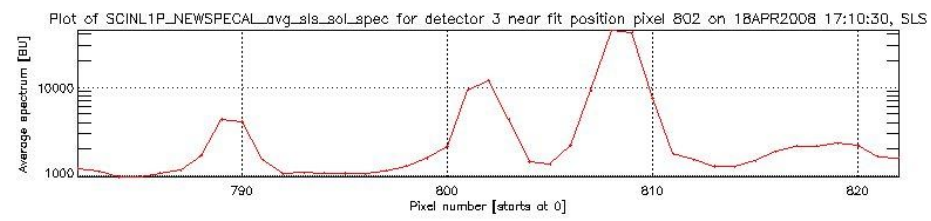
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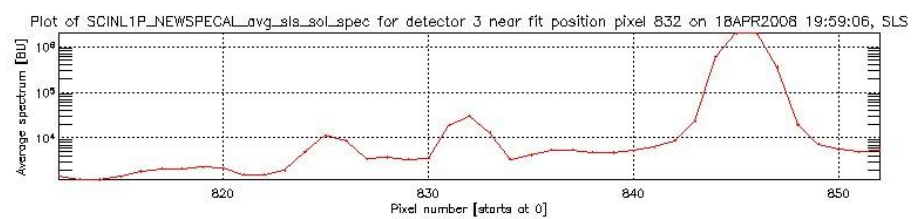
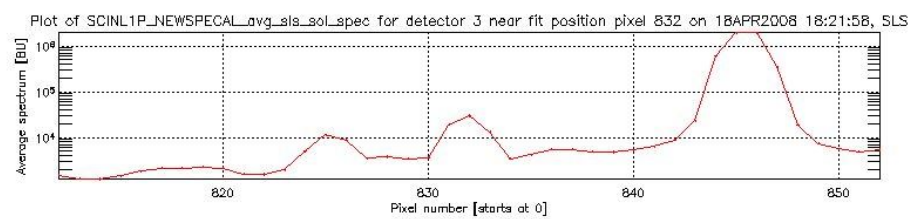
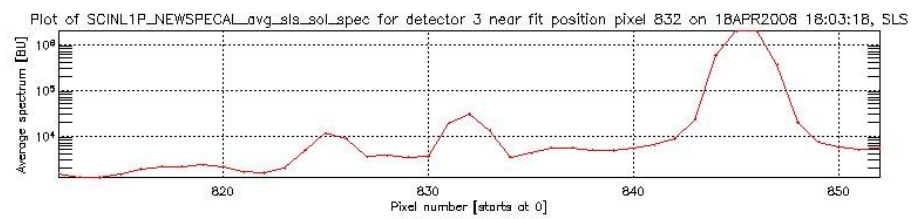
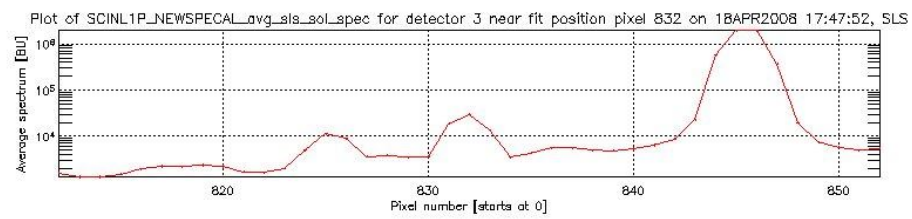
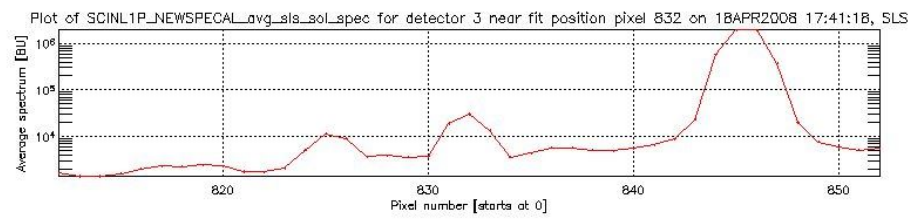
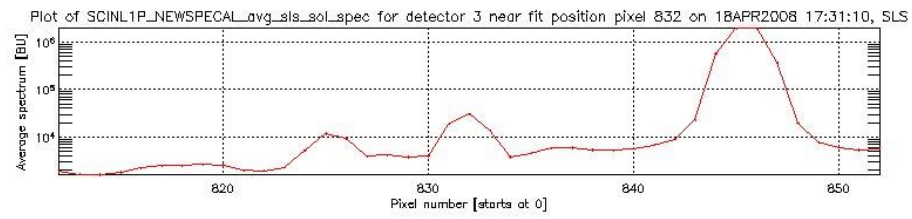
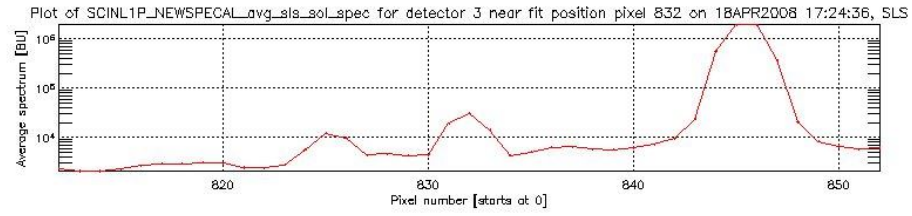
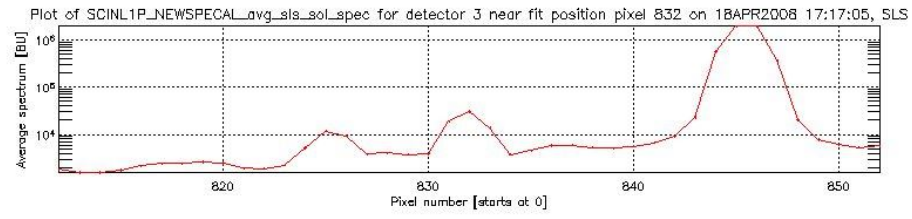
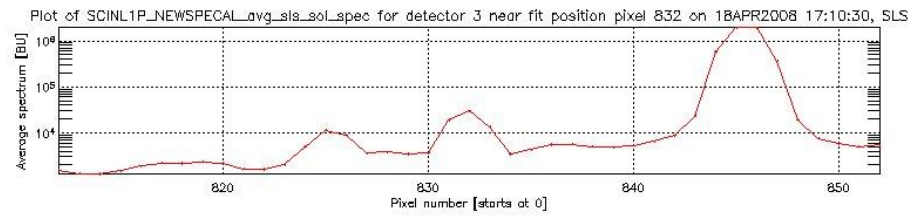
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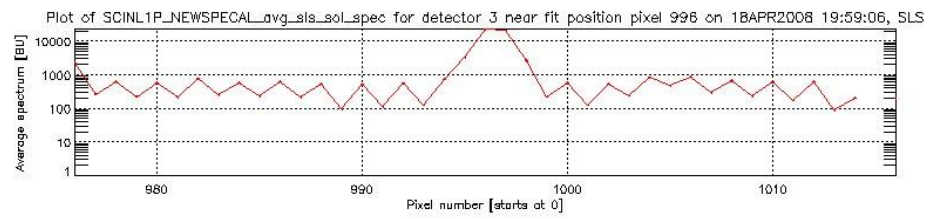
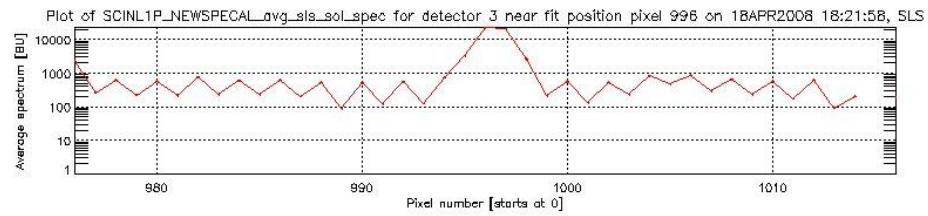
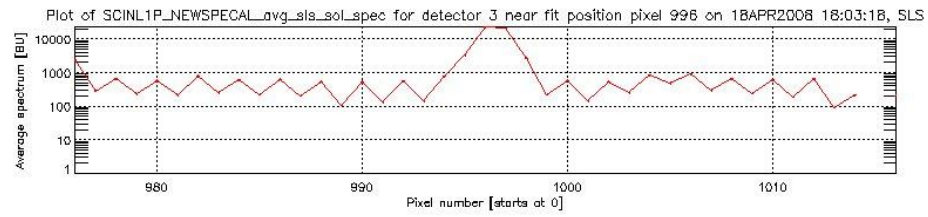
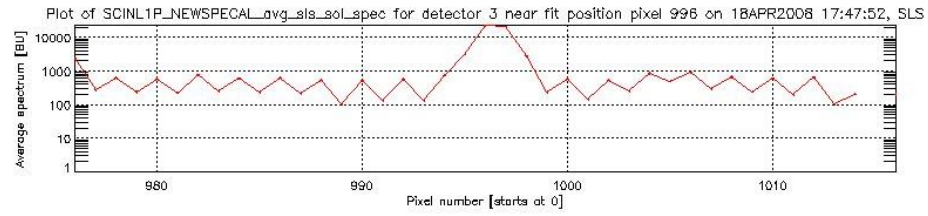
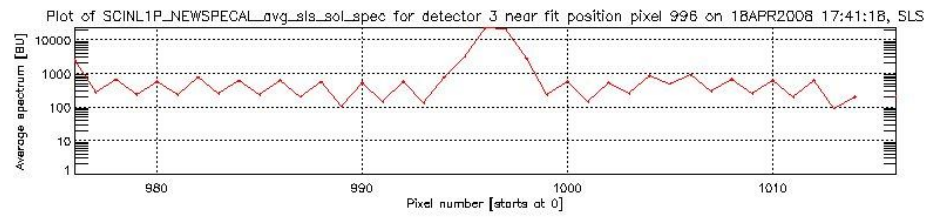
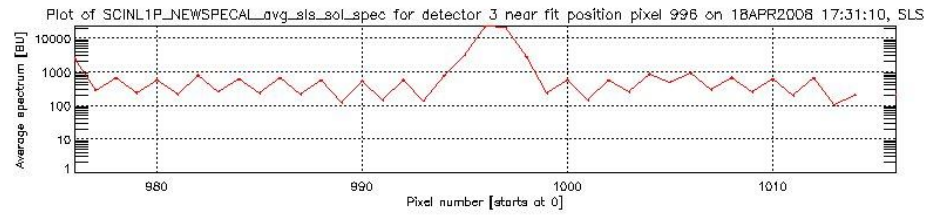
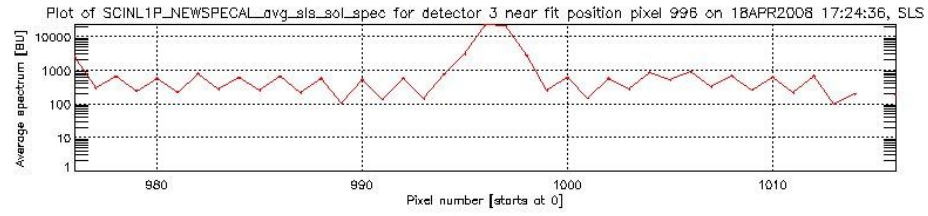
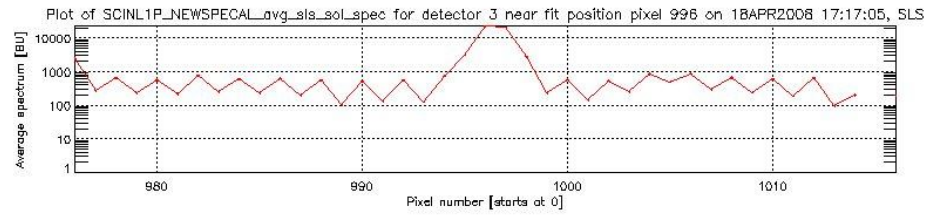
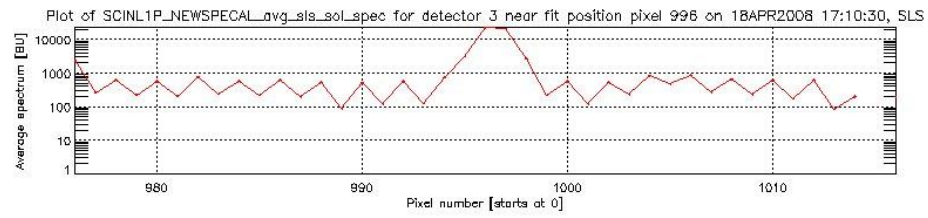
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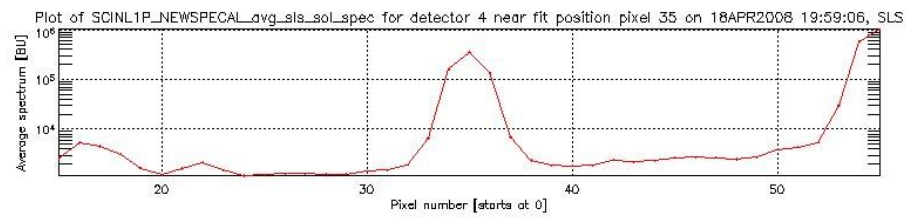
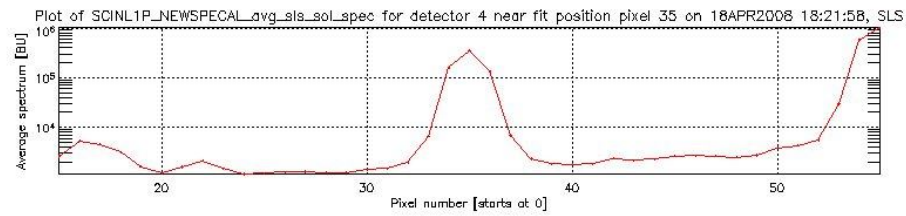
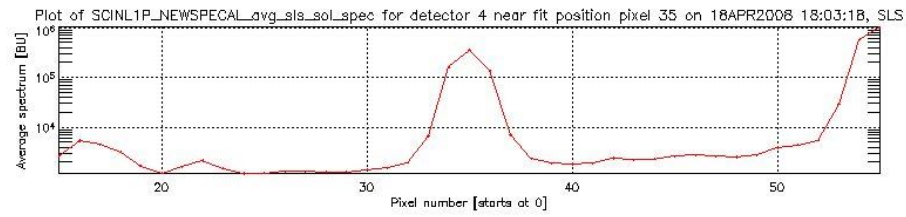
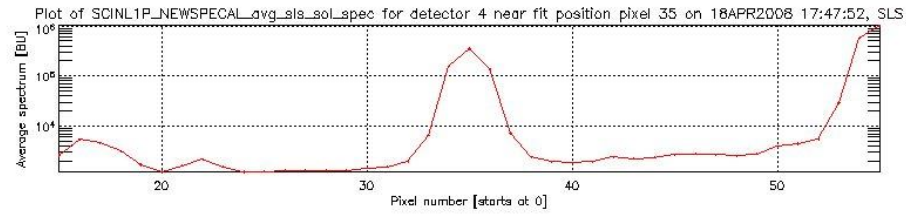
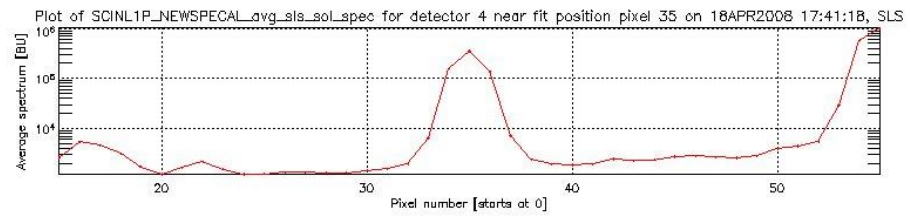
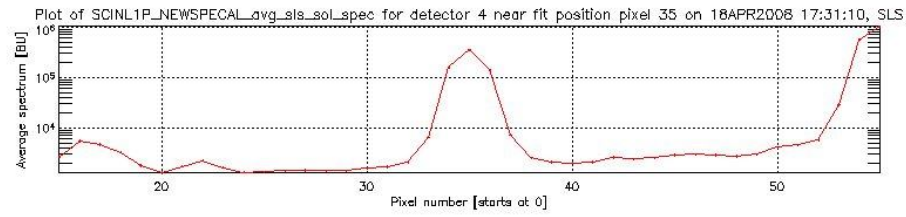
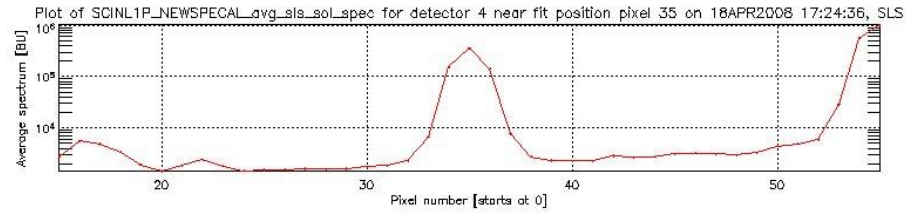
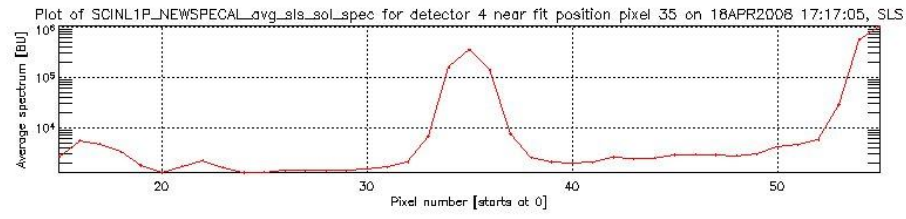
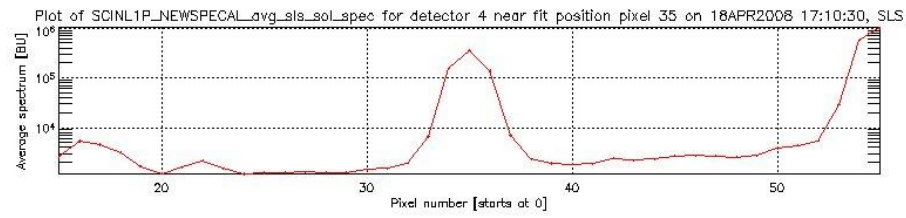
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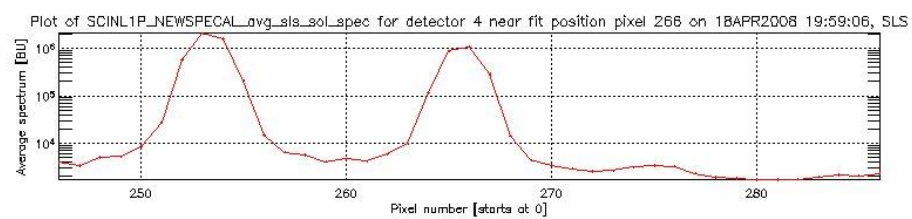
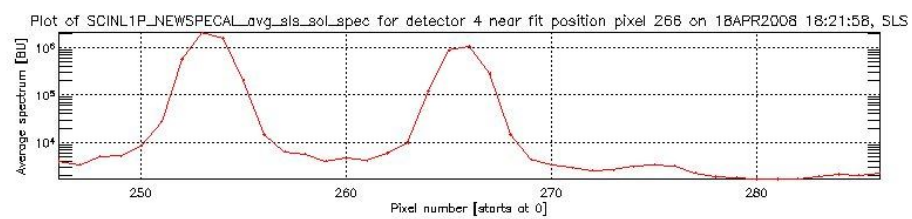
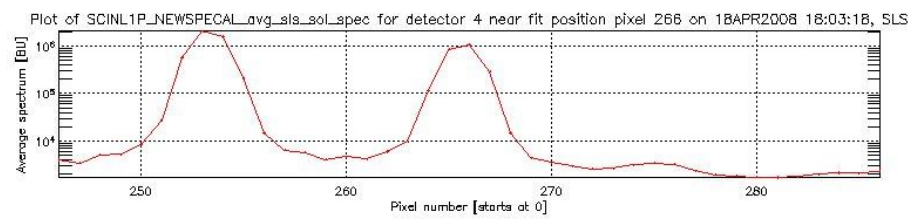
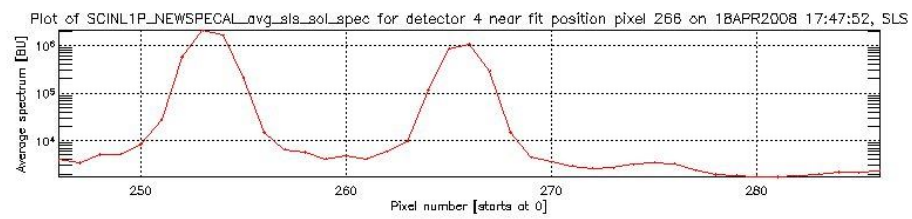
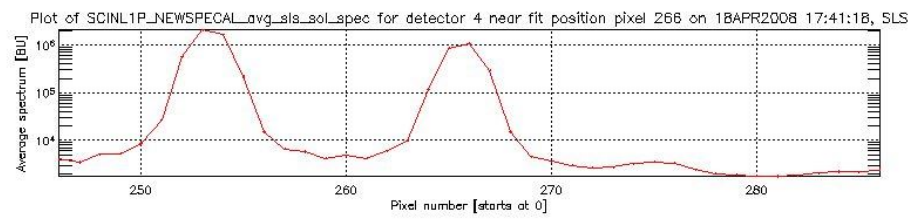
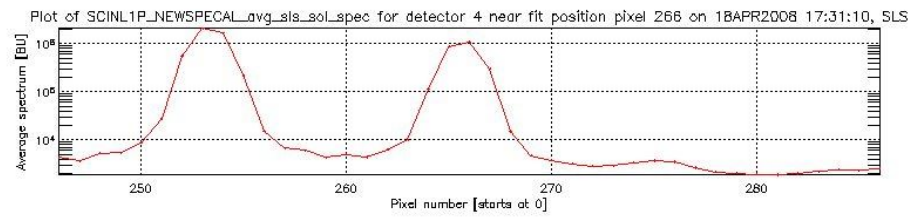
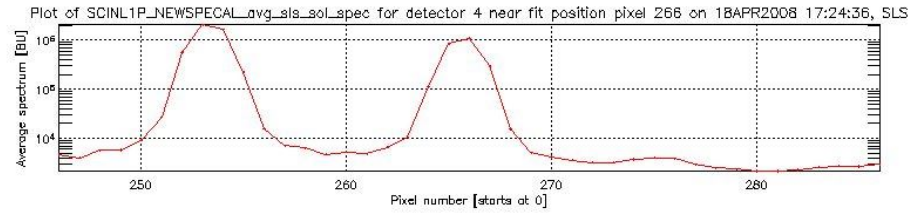
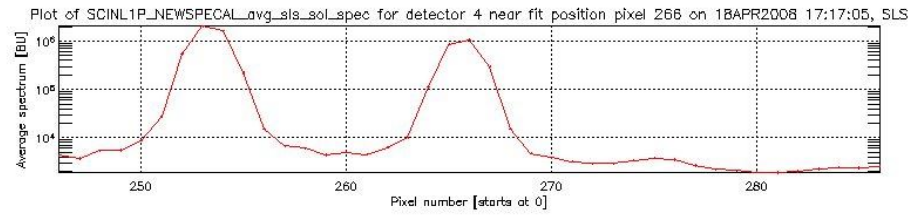
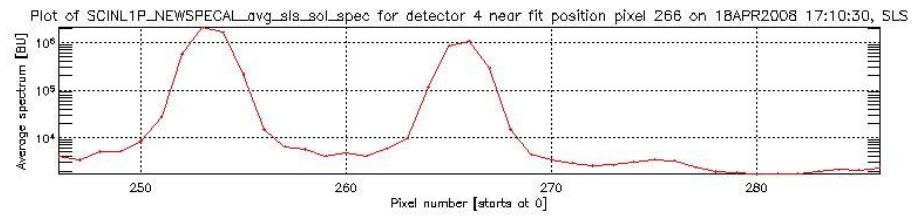
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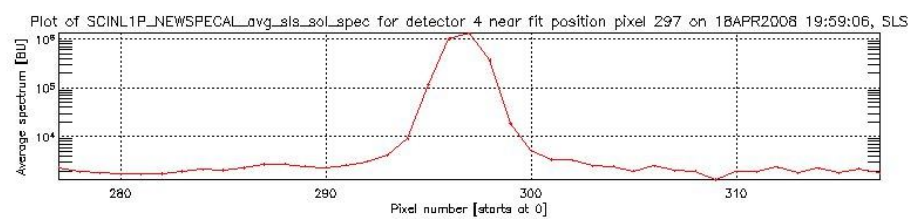
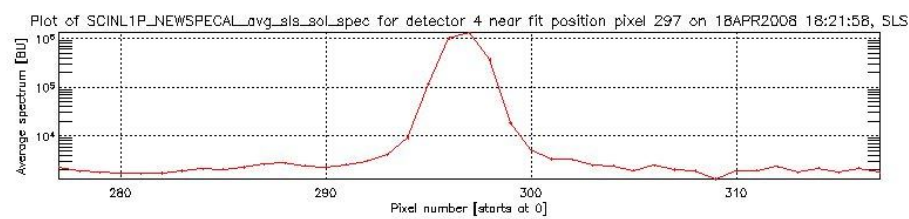
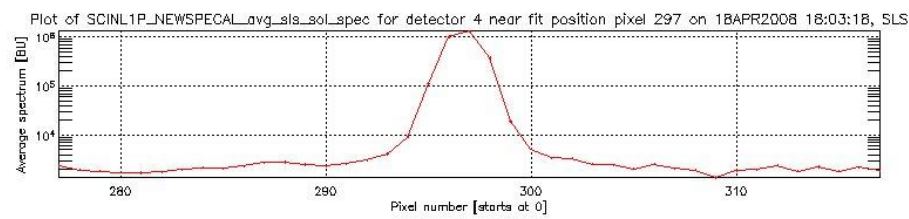
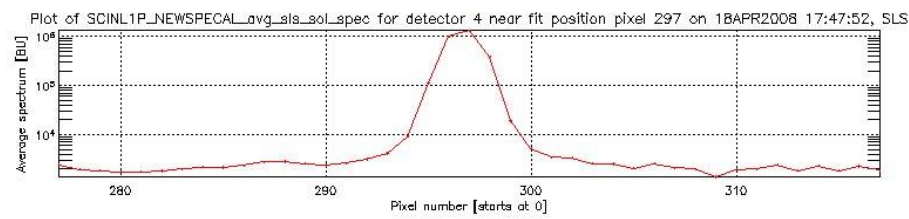
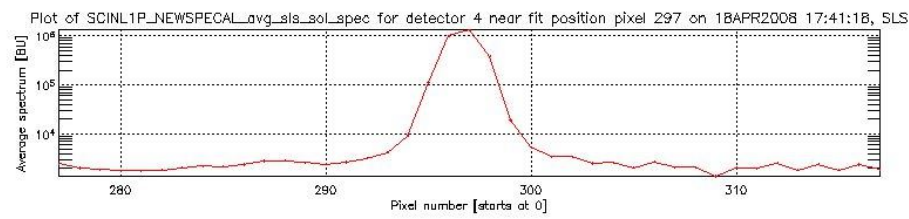
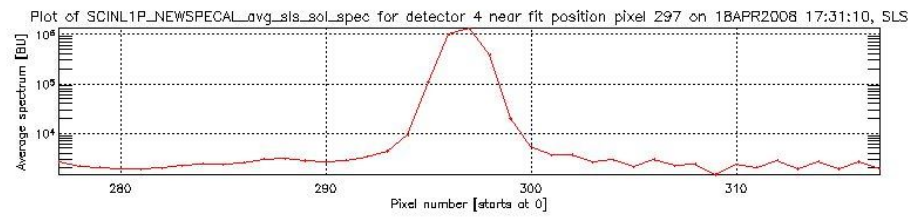
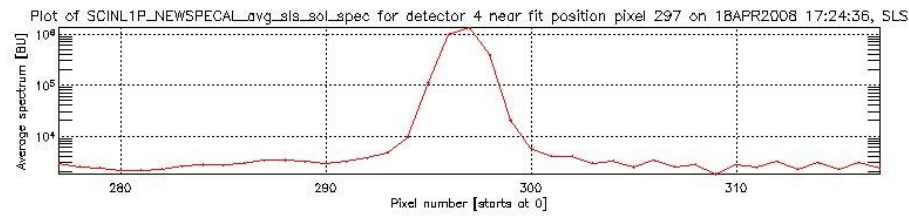
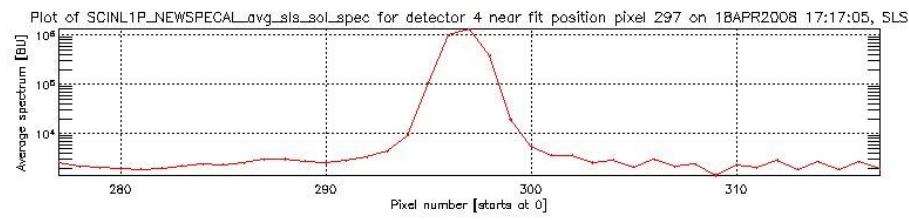
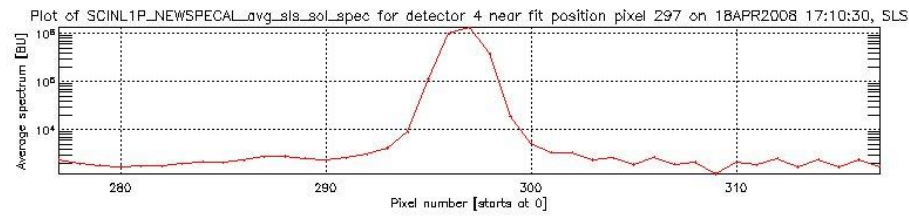
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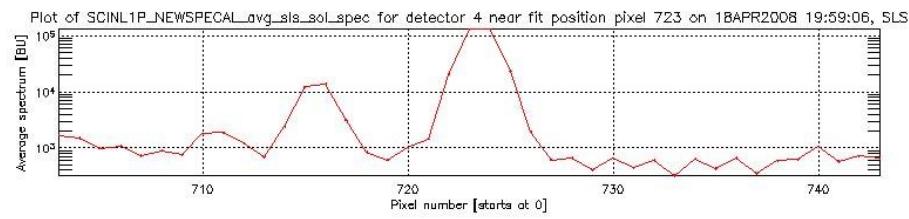
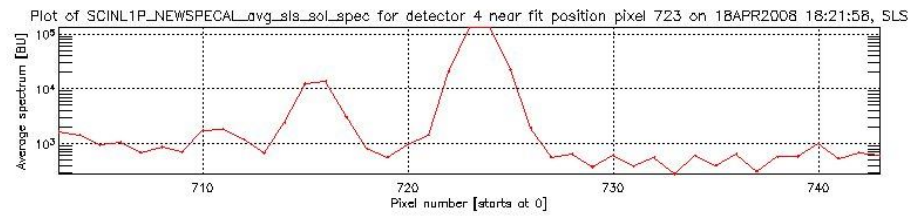
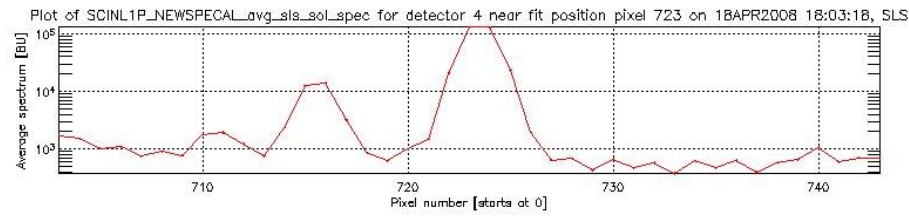
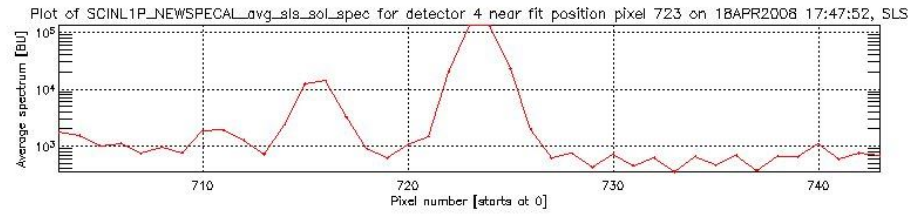
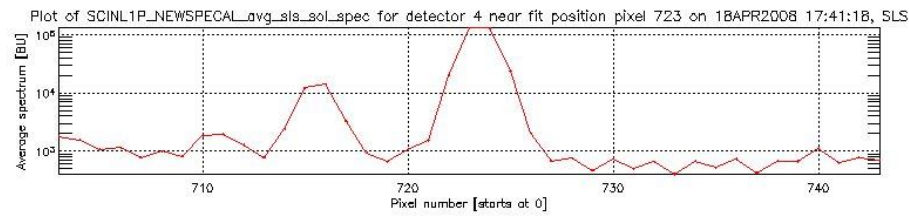
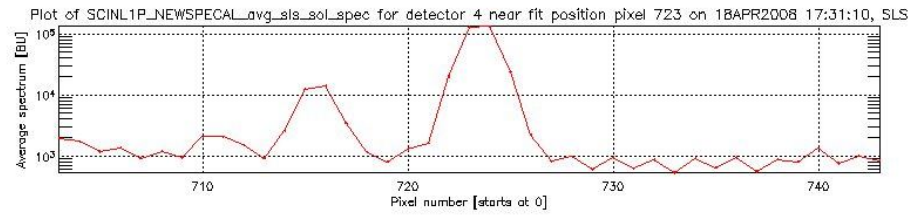
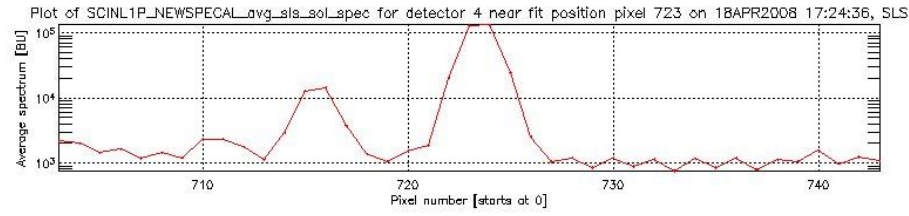
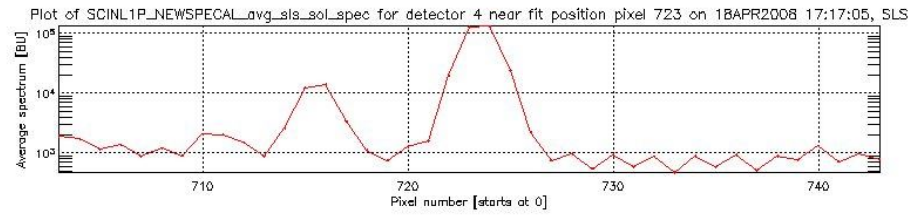
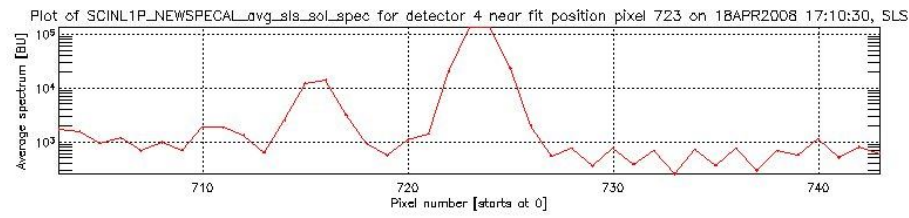
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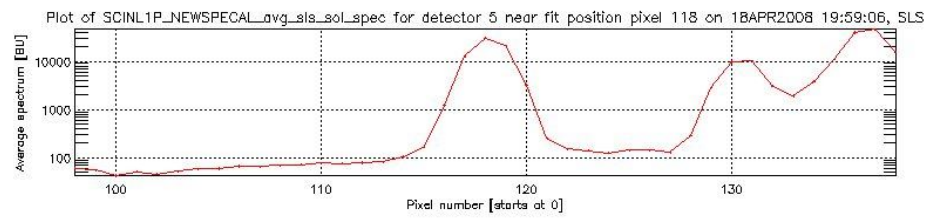
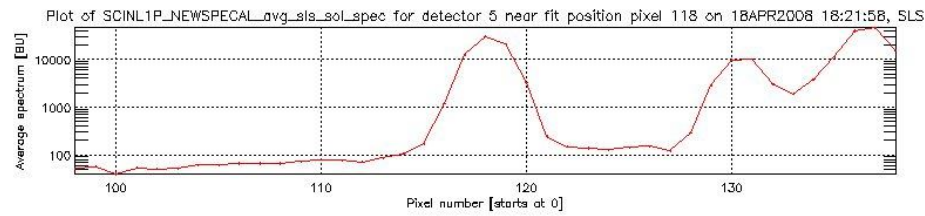
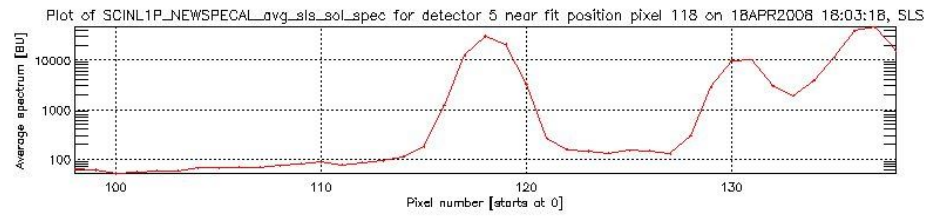
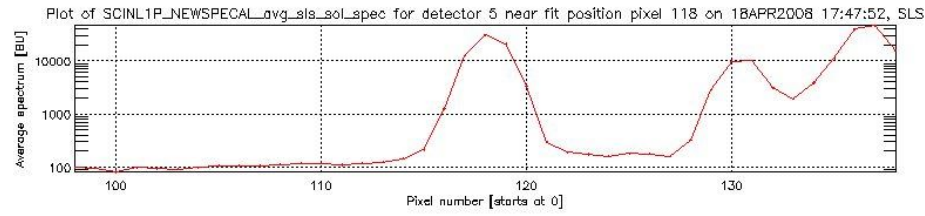
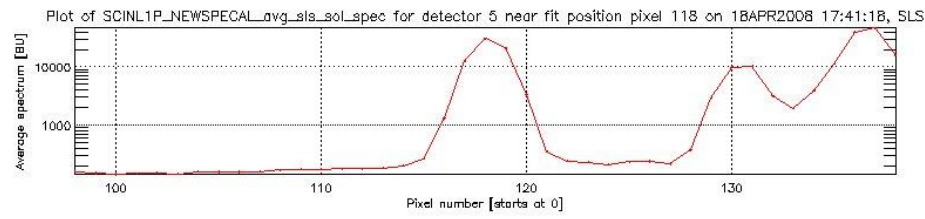
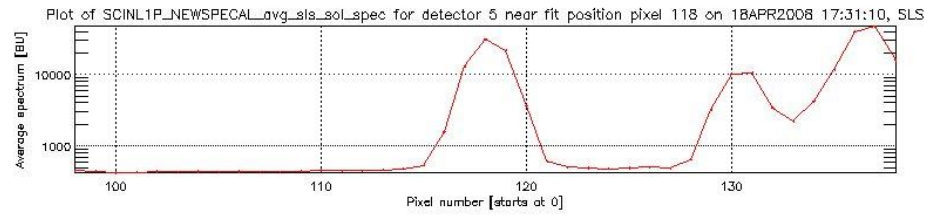
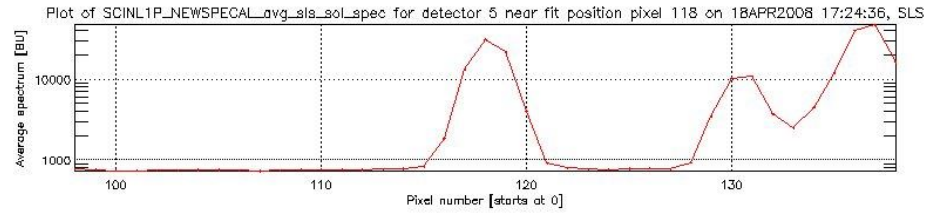
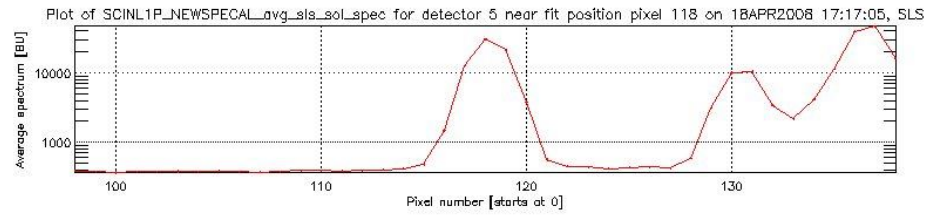
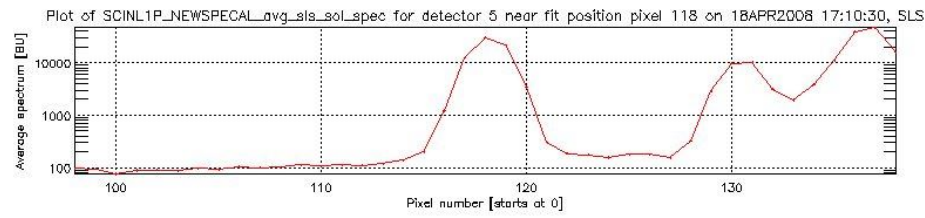
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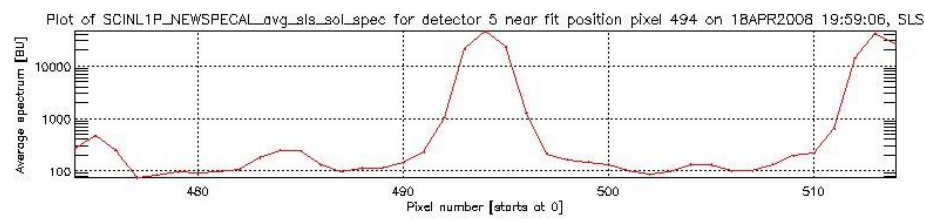
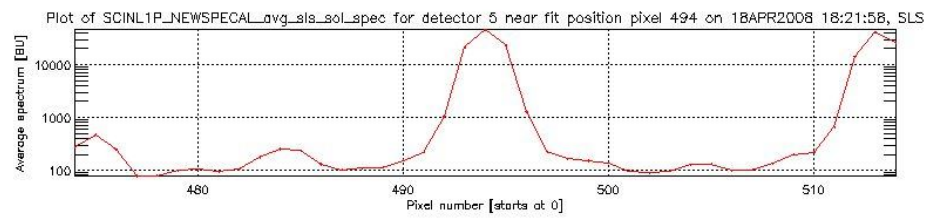
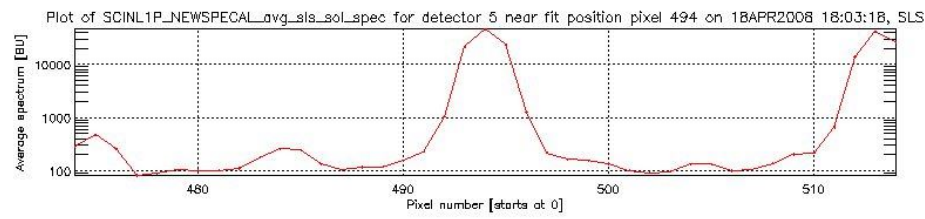
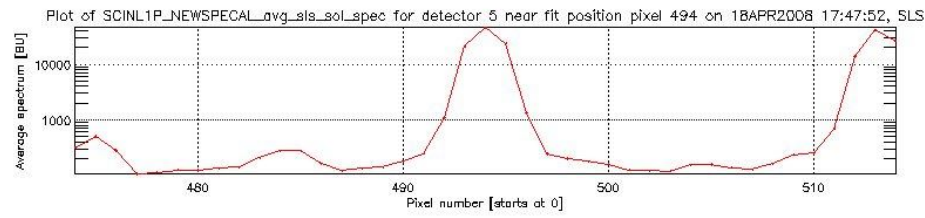
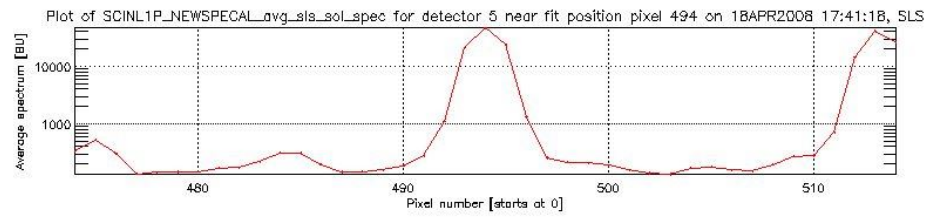
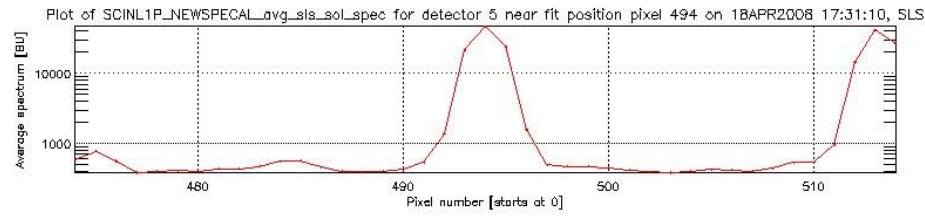
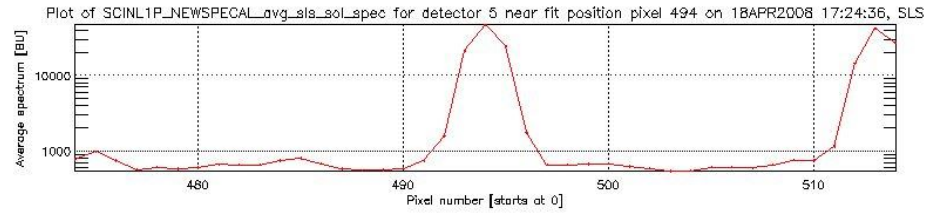
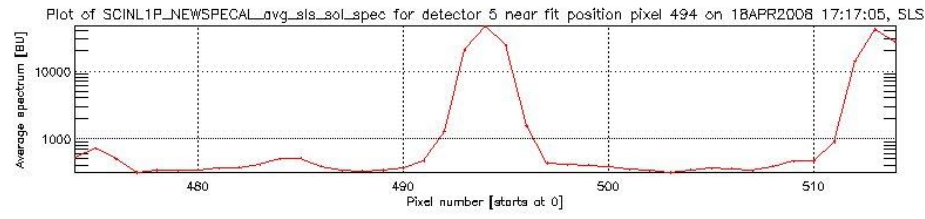
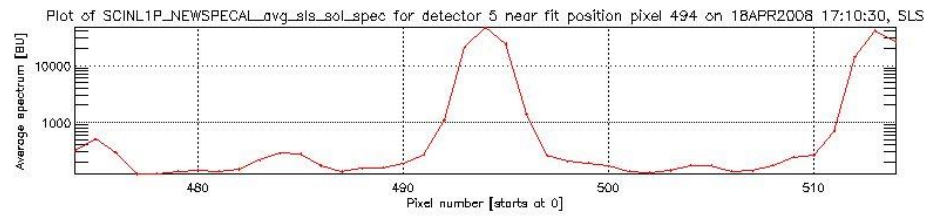
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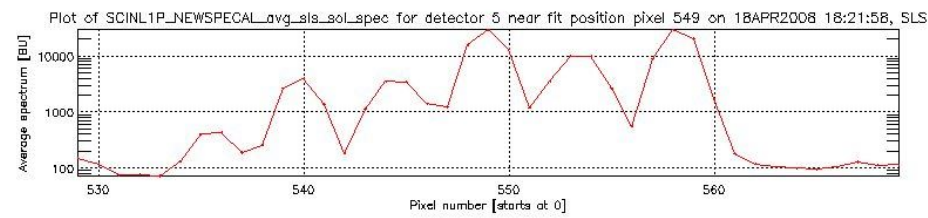
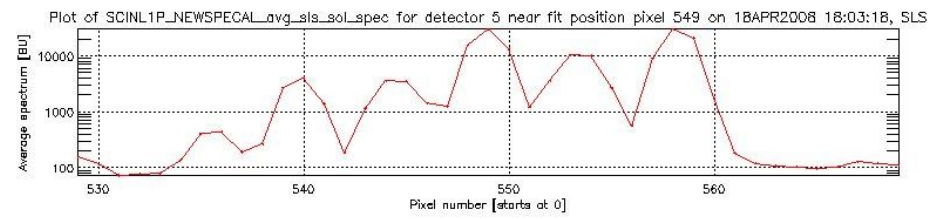
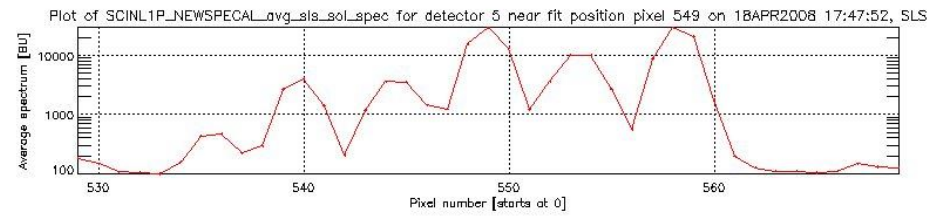
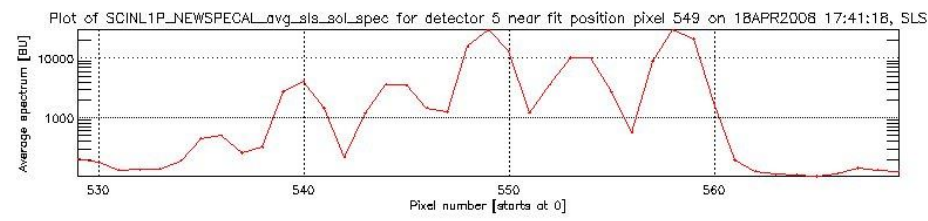
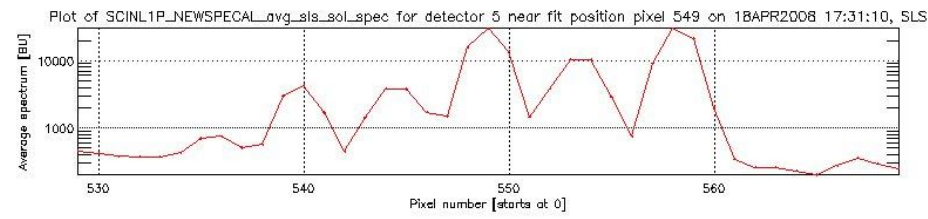
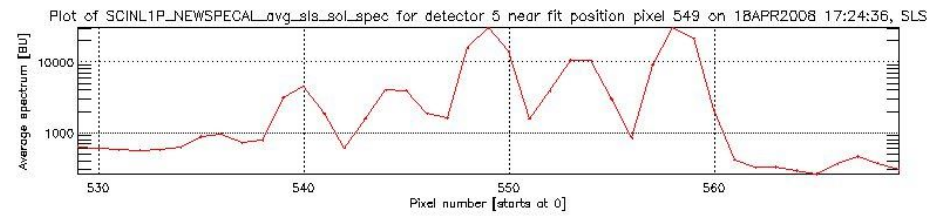
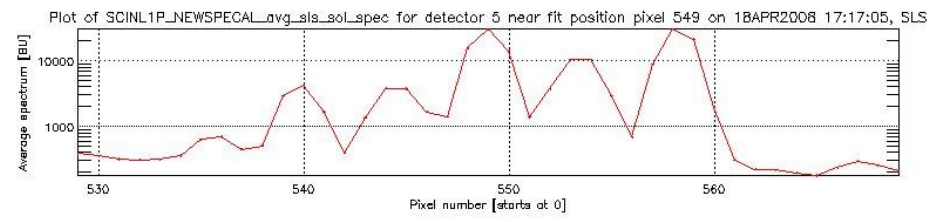
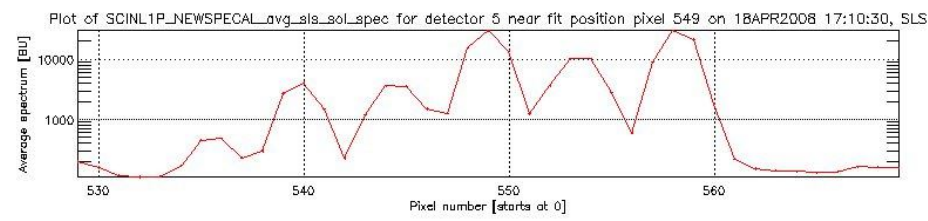
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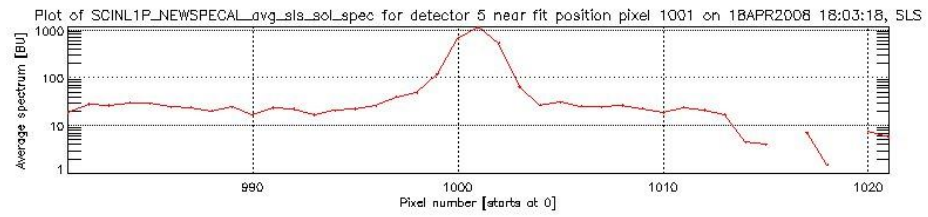
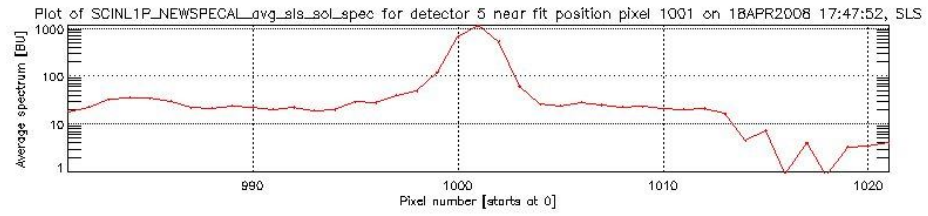
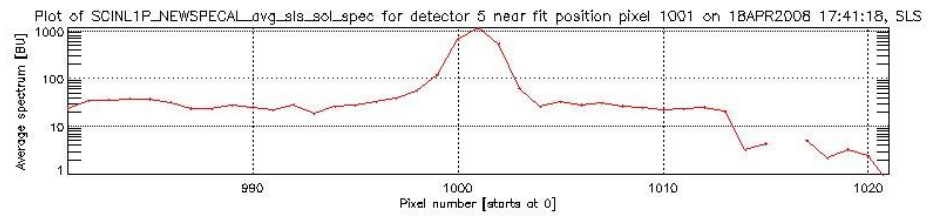
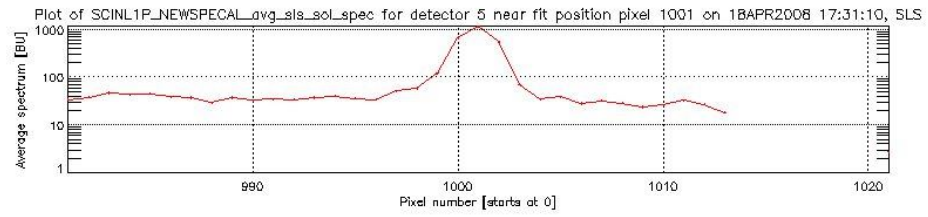
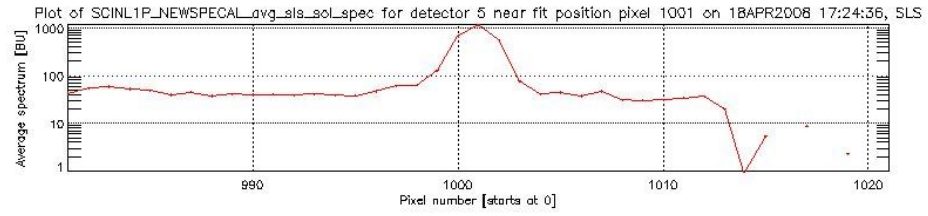
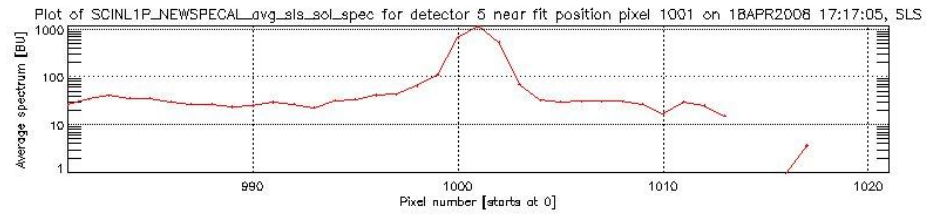
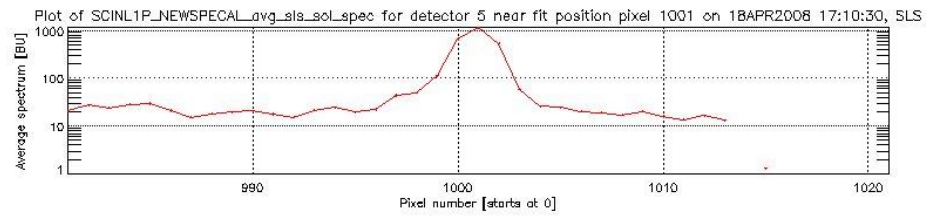
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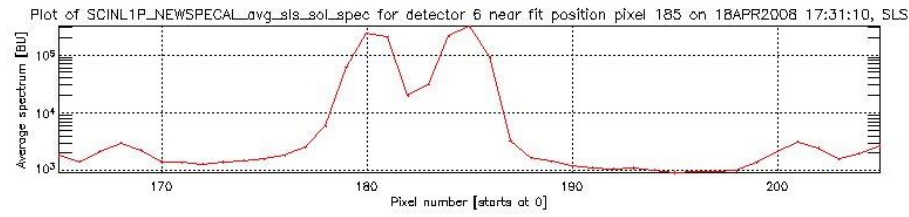
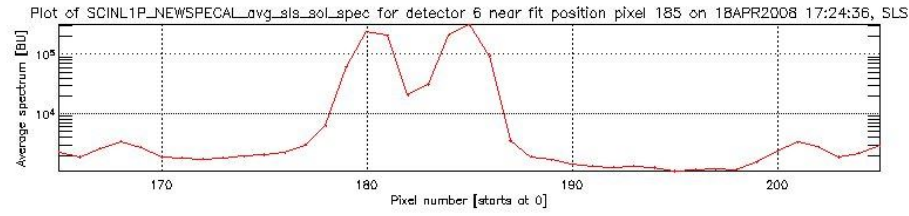
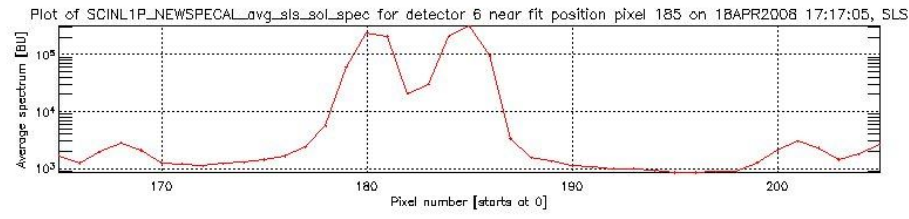
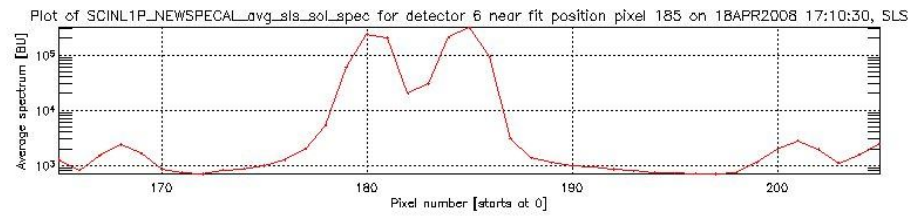
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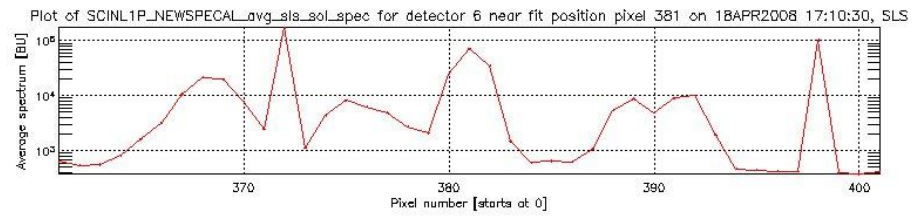
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sciamachy_daily_report_level1_SCIA_6_03_N_20080418_58.PNG



sciamachy_daily_report_level1_SCIA_6_03_N_20080418_59.PNG

