

0. SCIAMACHY Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI_NL__0P product).

0.1.1 Report summary

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

Item	Value
Report version	v1.3 20060731
Time of report generation	24MAY2008 05:07:15
Data source version	KSPT_L0/4303-N
Processing scope for products	20MAY2008 00:00:00 to 21MAY2008 00:00:00
Start time of first product within scope	19MAY2008 23:47:33
Stop time of last product within scope	21MAY2008 00:58:04
Total number of level 0 products	18
Number of level 0 products with errors	3

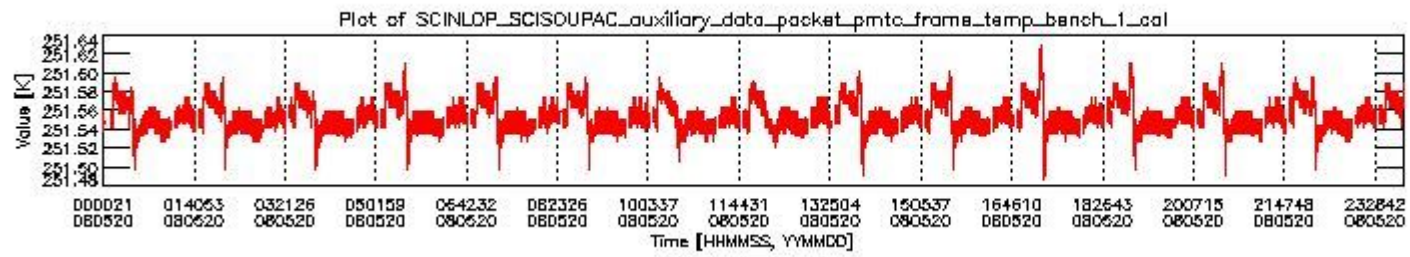
0.1.2 Summary per product

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

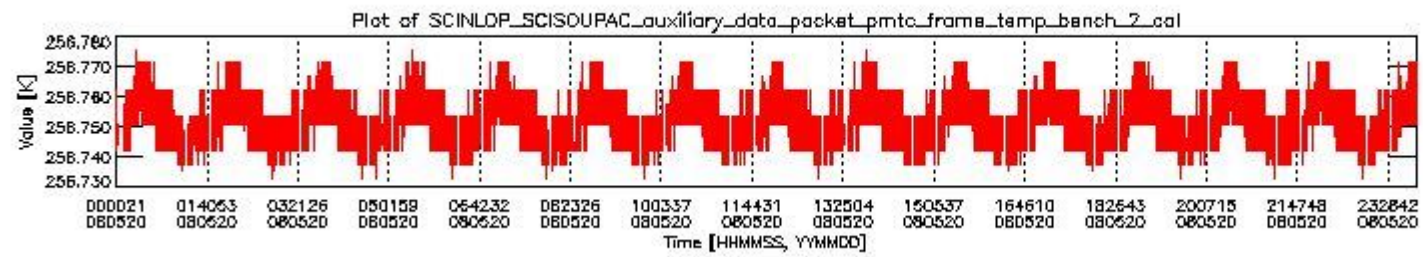
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080519_234733_000059992068_00402_32520_6718.N1	19MAY2008 23:47:33	20MAY2008 01:27:33	0	0	0	0	0
1	SCI_NL__OPNPDE20080520_012605_000047952068_00403_32521_6719.N1	20MAY2008 01:26:05	20MAY2008 02:45:59	0	0	0	0	0
2	SCI_NL__OPNPDE20080520_024451_000058302068_00404_32522_6720.N1	20MAY2008 02:44:51	20MAY2008 04:22:01	0	0	0	0	0
3	SCI_NL__OPNPDE20080520_042105_000061042068_00405_32523_6721.N1	20MAY2008 04:21:05	20MAY2008 06:02:49	0	0	0	0	0
4	SCI_NL__OPNPDK20080520_060141_000041692068_00406_32524_8262.N1	20MAY2008 06:01:41	20MAY2008 07:11:10	0	0	0	0	0
5	SCI_NL__OPNPDK20080520_071110_000061602068_00407_32525_8263.N1	20MAY2008 07:11:10	20MAY2008 08:53:50	0	0	0	0	0
6	SCI_NL__OPNPDK20080520_085254_000058992068_00408_32526_8264.N1	20MAY2008 08:52:54	20MAY2008 10:31:13	0	0	0	0	0
7	SCI_NL__OPNPDK20080520_103113_000060482068_00409_32527_8265.N1	20MAY2008 10:31:13	20MAY2008 12:12:01	0	0	0	0	0
8	SCI_NL__OPNPDK20080520_121201_000058992068_00410_32528_8266.N1	20MAY2008 12:12:01	20MAY2008 13:50:20	0	0	0	0	0
9	SCI_NL__OPNPDK20080520_135020_000058552068_00411_32529_8267.N1	20MAY2008 13:50:20	20MAY2008 15:27:55	0	0	0	0	0
10	SCI_NL__OPNPDK20080520_152755_000059112068_00412_32530_8268.N1	20MAY2008 15:27:55	20MAY2008 17:06:26	0	0	0	0	0
11	SCI_NL__OPNPDK20080520_170422_000059832068_00413_32531_8269.N1	20MAY2008 17:04:22	20MAY2008 18:44:05	0	0	0	0	0
12	SCI_NL__OPNPDK20080520_184309_000059672068_00414_32532_8270.N1	20MAY2008 18:43:09	20MAY2008 20:22:36	0	0	0	0	0
13	SCI_NL__OPNPDE20080520_202044_000044812068_00415_32533_6722.N1	20MAY2008 20:20:44	20MAY2008 21:35:25	0	0	0	0	0
14	SCI_NL__OPNPDE20080520_213357_000036742068_00415_32533_6723.N1	20MAY2008 21:33:57	20MAY2008 22:35:11	1	1	0	0	0
15	SCI_NL__OPNPDE20080520_223511_000001242068_00416_32534_6725.N1	20MAY2008 22:35:11	20MAY2008 22:37:16	1	1	0	0	1
16	SCI_NL__OPNPDE20080520_223716_000024452068_00416_32534_6728.N1	20MAY2008 22:37:16	20MAY2008 23:18:00	1	1	0	0	1
17	SCI_NL__OPNPDE20080520_231716_000060482068_00416_32534_6729.N1	20MAY2008 23:17:16	21MAY2008 00:58:04	0	0	0	0	0

0.2 Product Quality Indicators

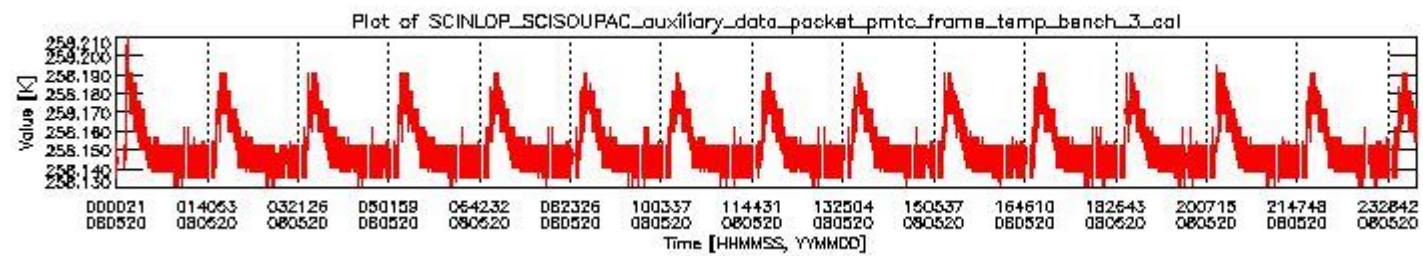
This section shows information about product quality, currently temperatures.



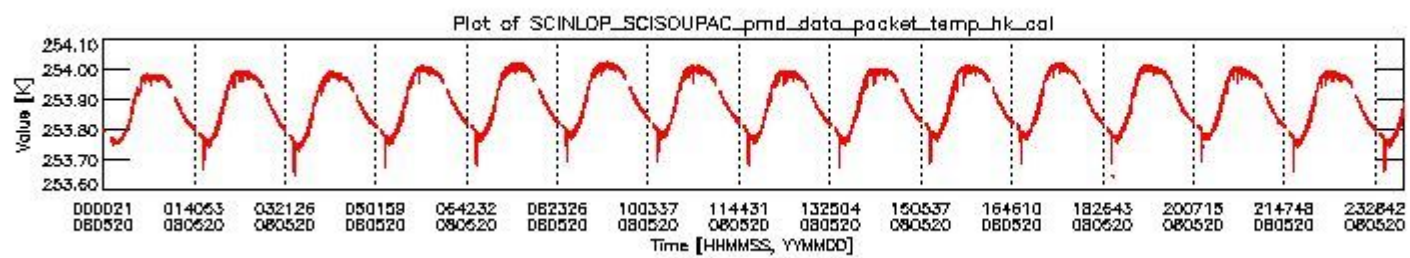
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_0.PNG



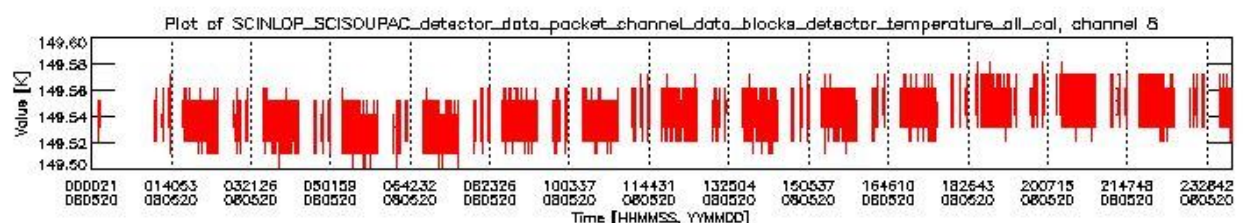
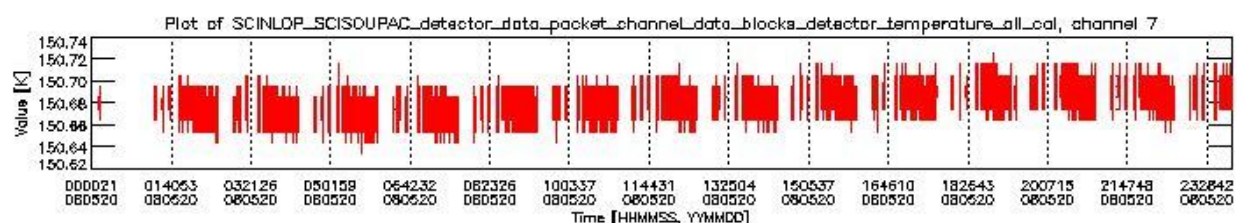
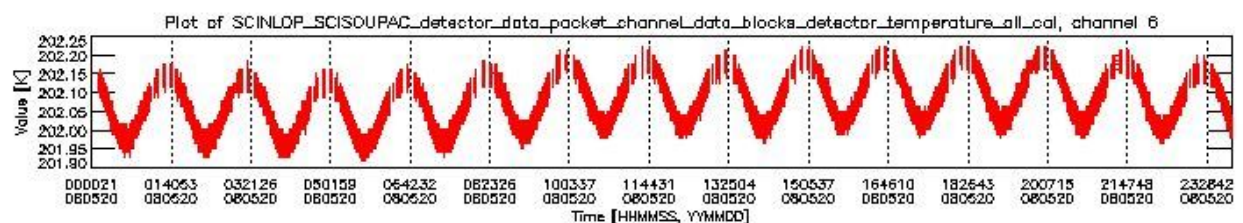
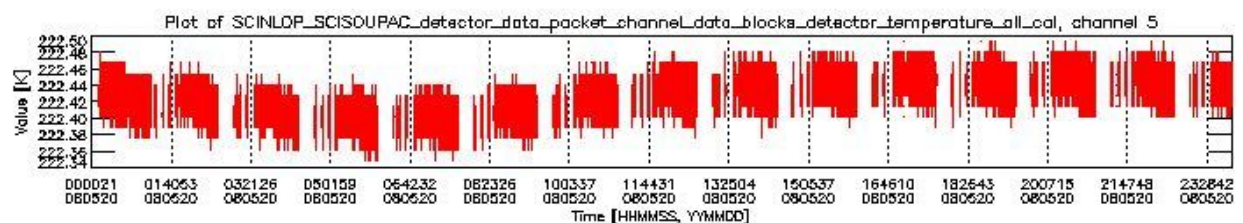
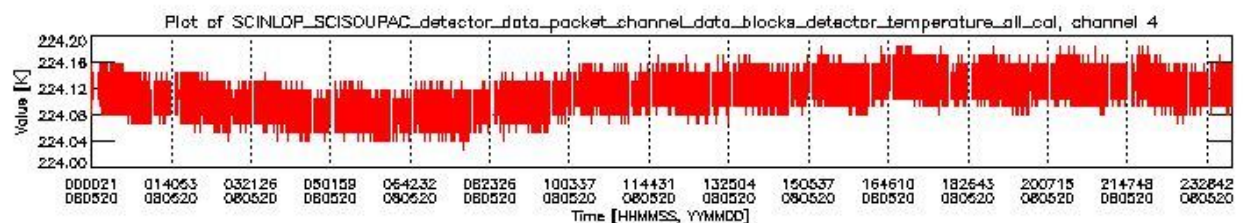
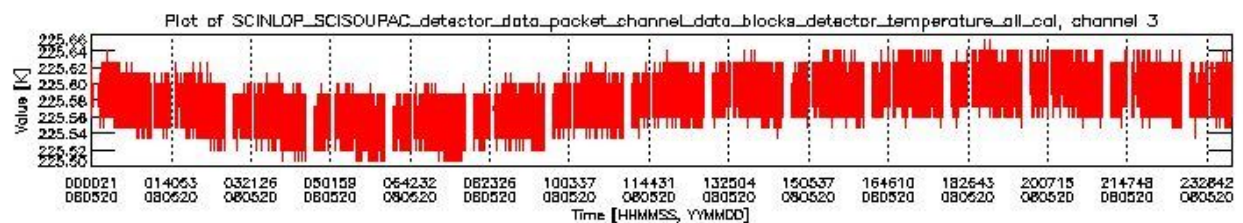
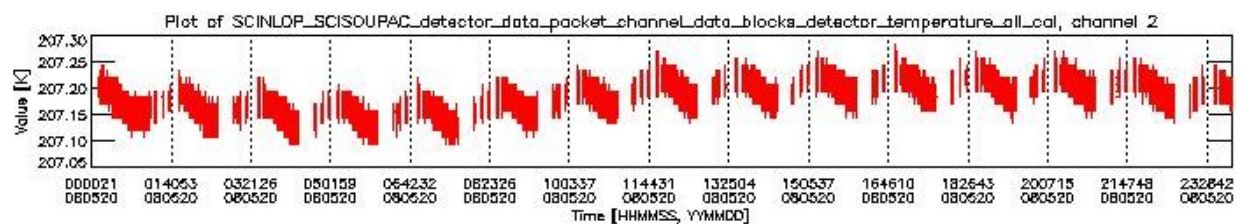
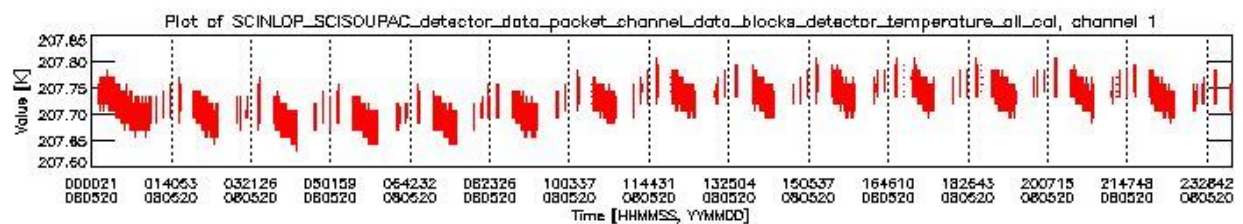
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_3.PNG

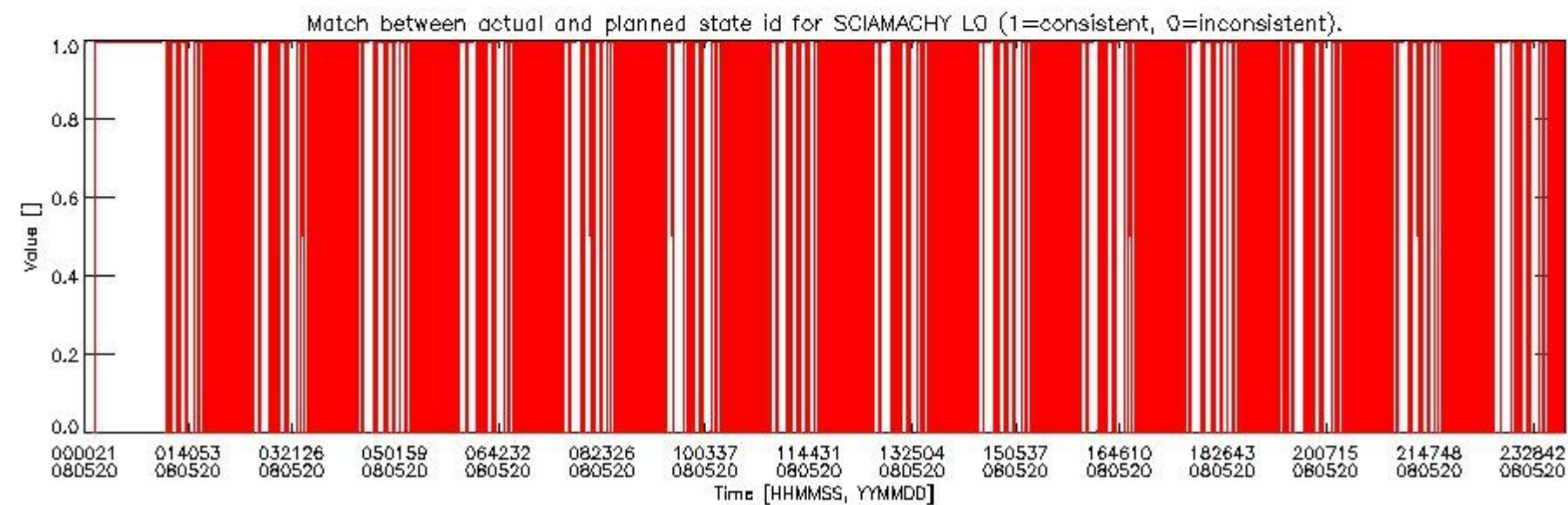
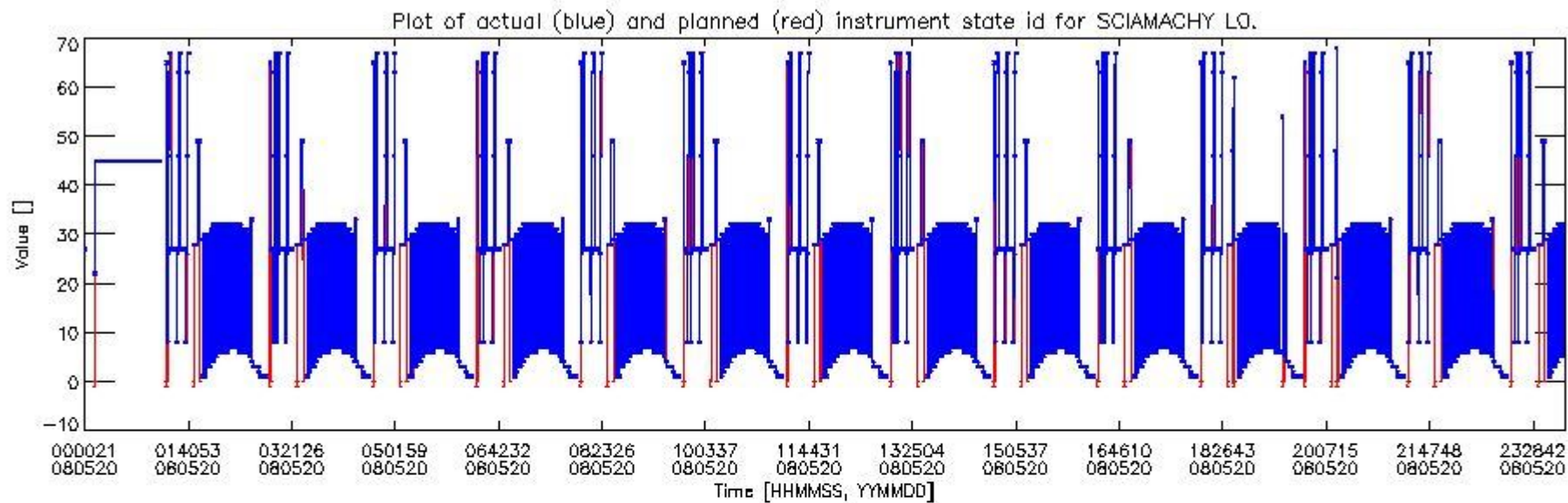


0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P_SCISOUPAC_state_id variable).

Total number of faults: **34397**

#	Actual time	Actual value	Planned time	Planned value
0	20MAY2008 00:09:43.277746	22	20MAY2008 00:09:43.277746	0
1	20MAY2008 00:09:44.402744	22	20MAY2008 00:09:44.402744	0
2	20MAY2008 00:09:45.402779	22	20MAY2008 00:09:45.402779	0
3	20MAY2008 00:09:46.402774	22	20MAY2008 00:09:46.402774	0
4	20MAY2008 00:09:47.402768	22	20MAY2008 00:09:47.402768	0
5	20MAY2008 00:09:48.277759	22	20MAY2008 00:09:48.277759	0
6	20MAY2008 00:09:48.402763	22	20MAY2008 00:09:48.402763	0
7	20MAY2008 00:10:25.801192	45	20MAY2008 00:10:25.801192	0
8	20MAY2008 00:10:26.176205	45	20MAY2008 00:10:26.176205	0
9	20MAY2008 00:10:26.426214	45	20MAY2008 00:10:26.426214	0
10	20MAY2008 00:10:26.676223	45	20MAY2008 00:10:26.676223	0
11	20MAY2008 00:10:26.926191	45	20MAY2008 00:10:26.926191	0
12	20MAY2008 00:10:27.176200	45	20MAY2008 00:10:27.176200	0
13	20MAY2008 00:10:27.426209	45	20MAY2008 00:10:27.426209	0
14	20MAY2008 00:10:27.676217	45	20MAY2008 00:10:27.676217	0
15	20MAY2008 00:10:27.926226	45	20MAY2008 00:10:27.926226	0
16	20MAY2008 00:10:28.176194	45	20MAY2008 00:10:28.176194	0
17	20MAY2008 00:10:28.426203	45	20MAY2008 00:10:28.426203	0
18	20MAY2008 00:10:28.676212	45	20MAY2008 00:10:28.676212	0
19	20MAY2008 00:10:28.926221	45	20MAY2008 00:10:28.926221	0
...

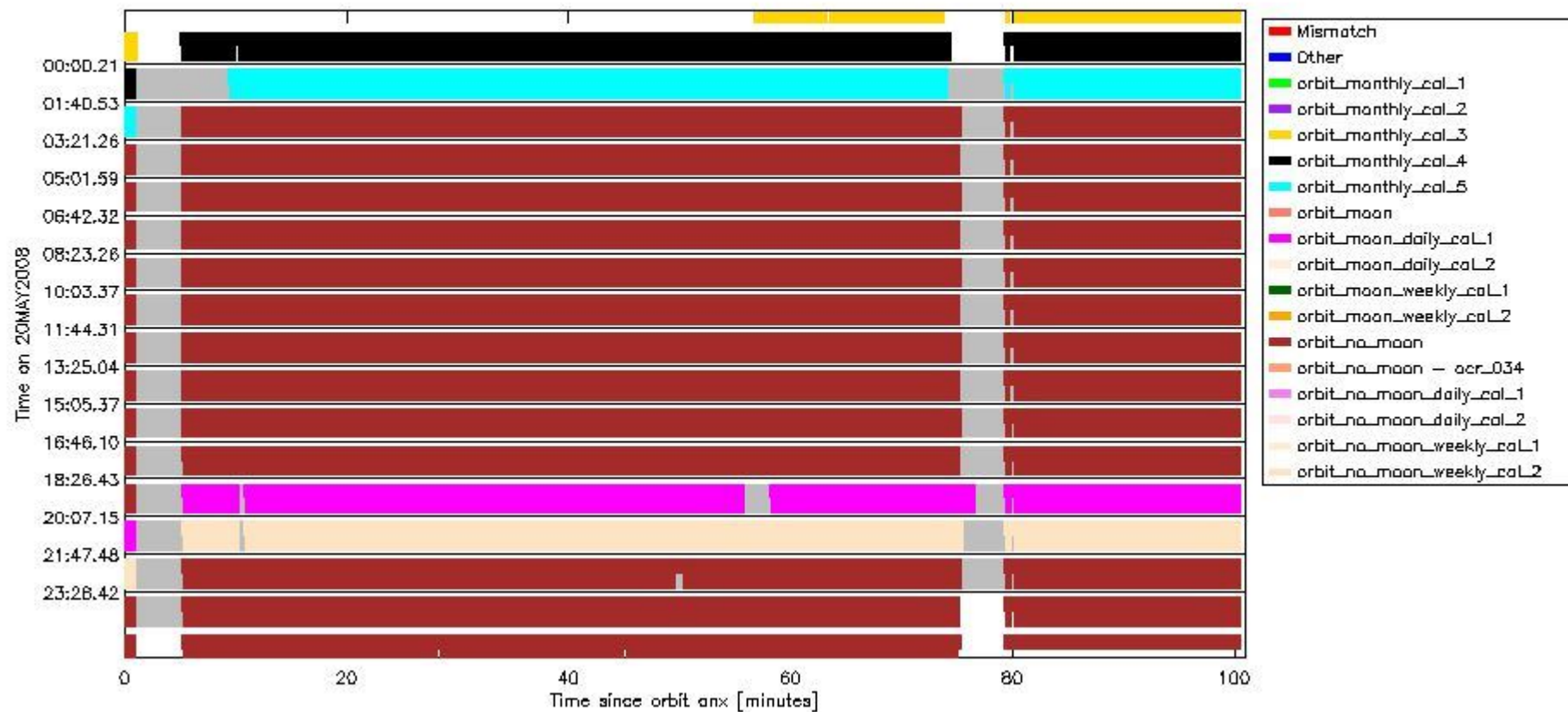


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_5.PNG

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 state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

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 20MAY2008.
 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.



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_6.PNG

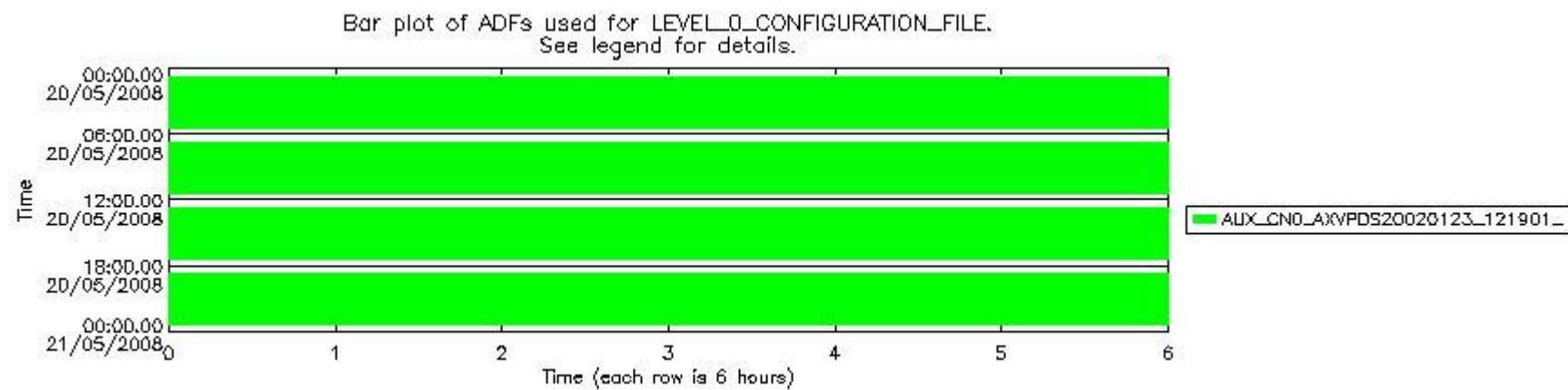
0.4 ADF monitoring

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

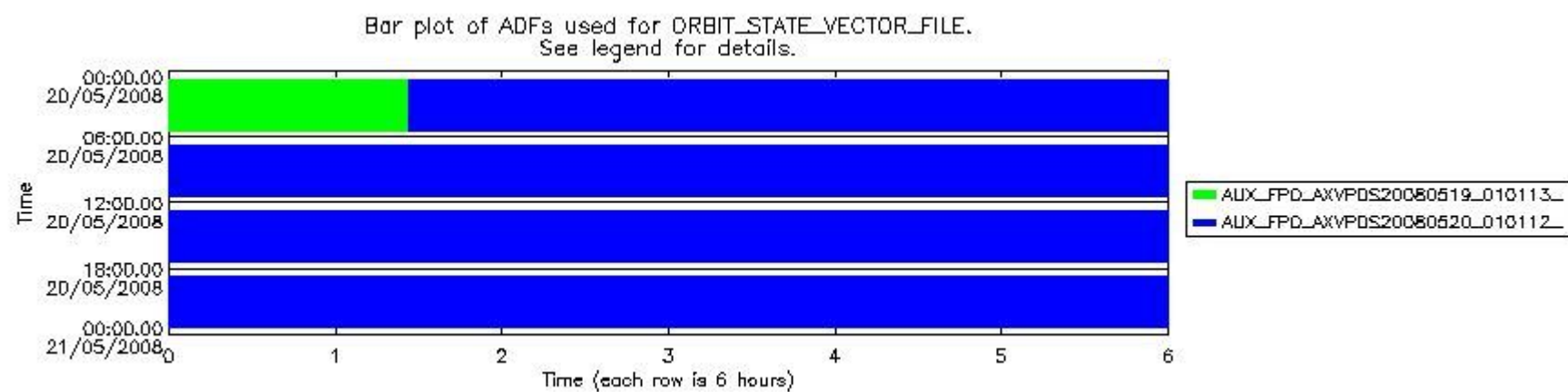
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

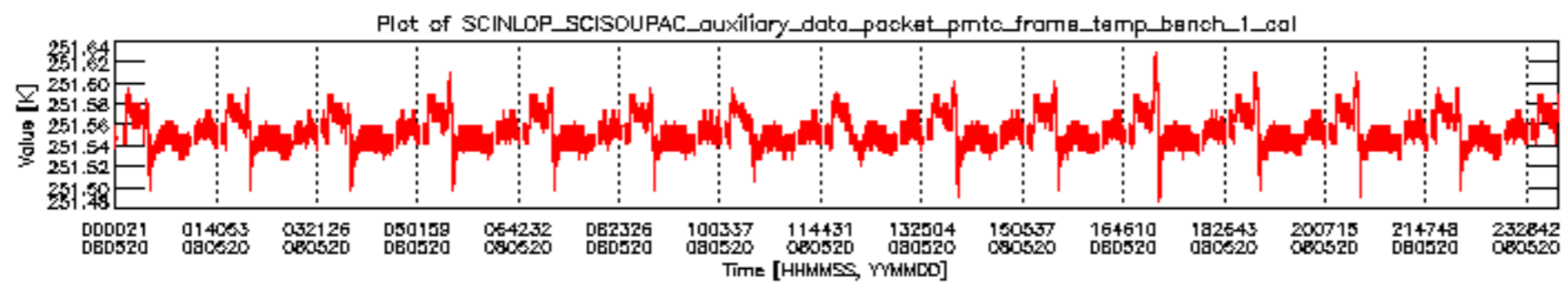
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080519_010113_20080518_193002_20080528_205616
2	AUX_FPO_AXVPDS20080520_010112_20080519_185825_20080529_202439

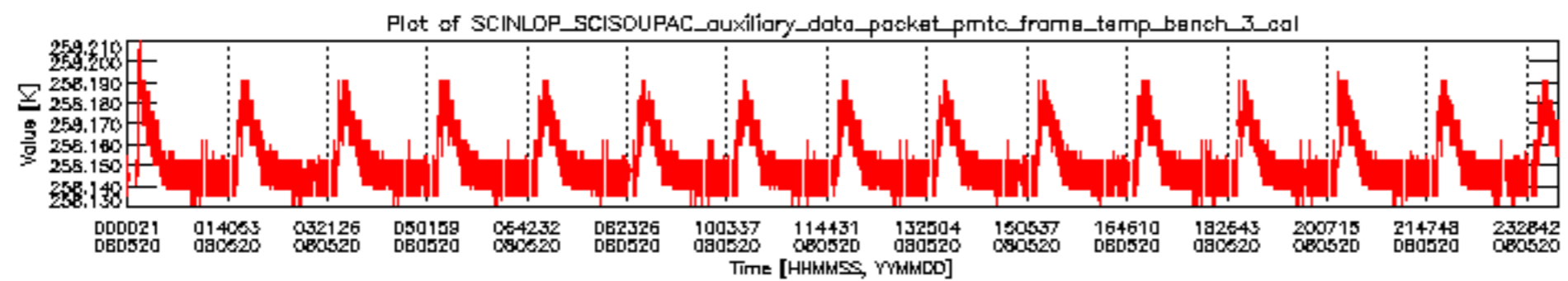


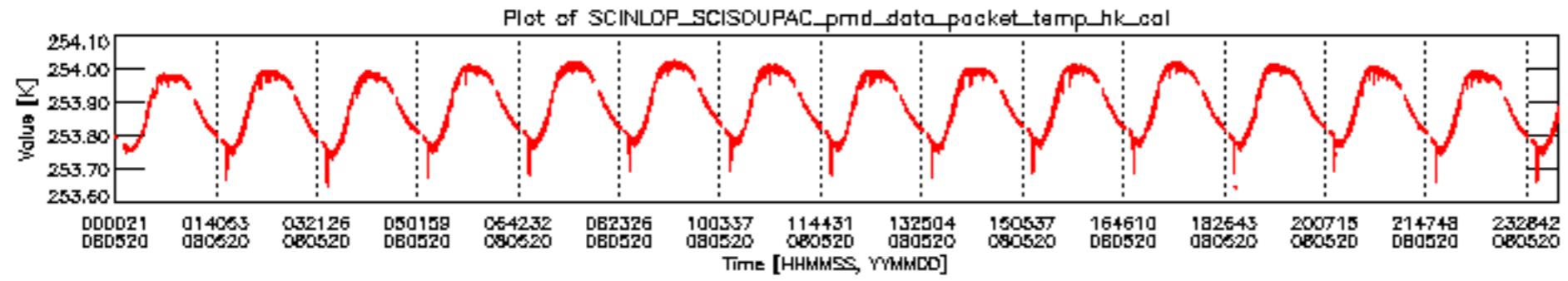
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_7.PNG

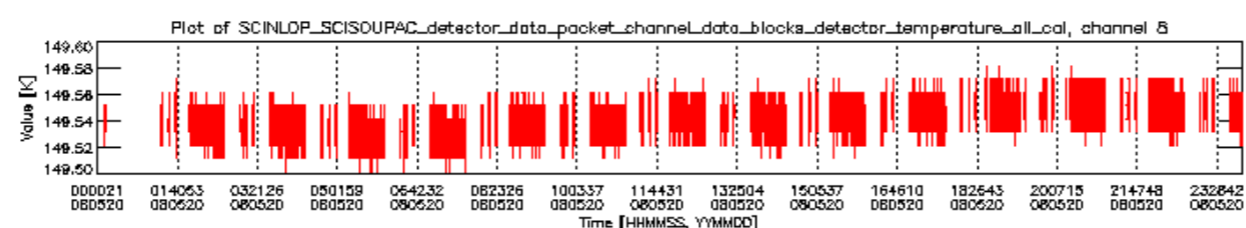
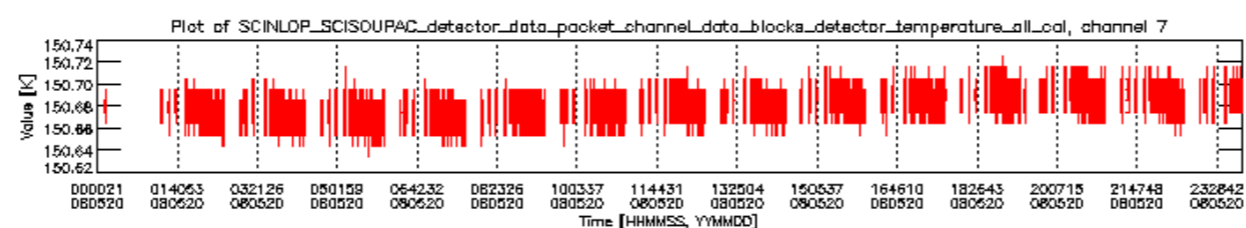
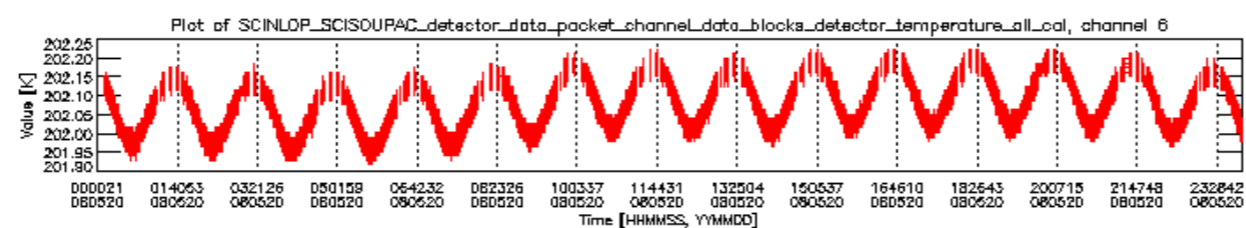
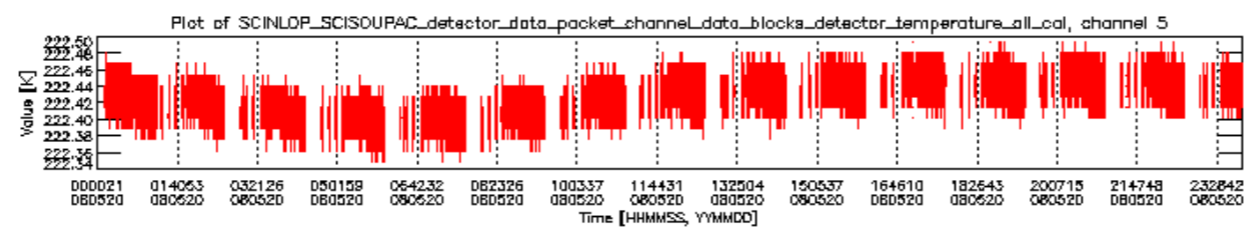
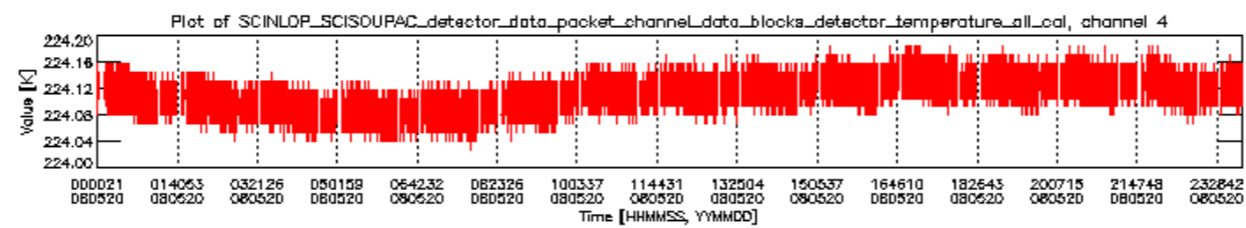
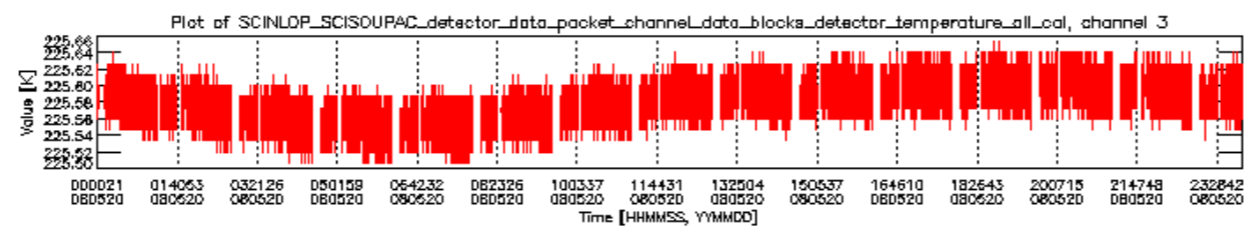
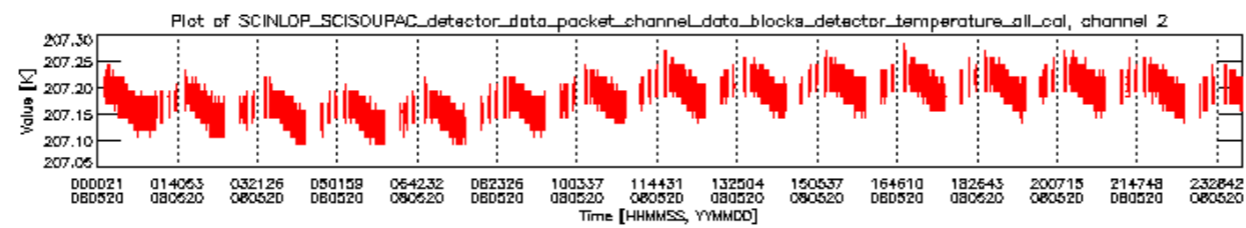
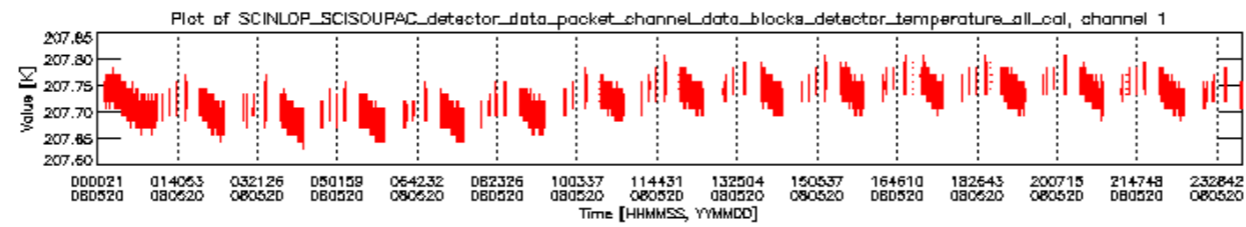


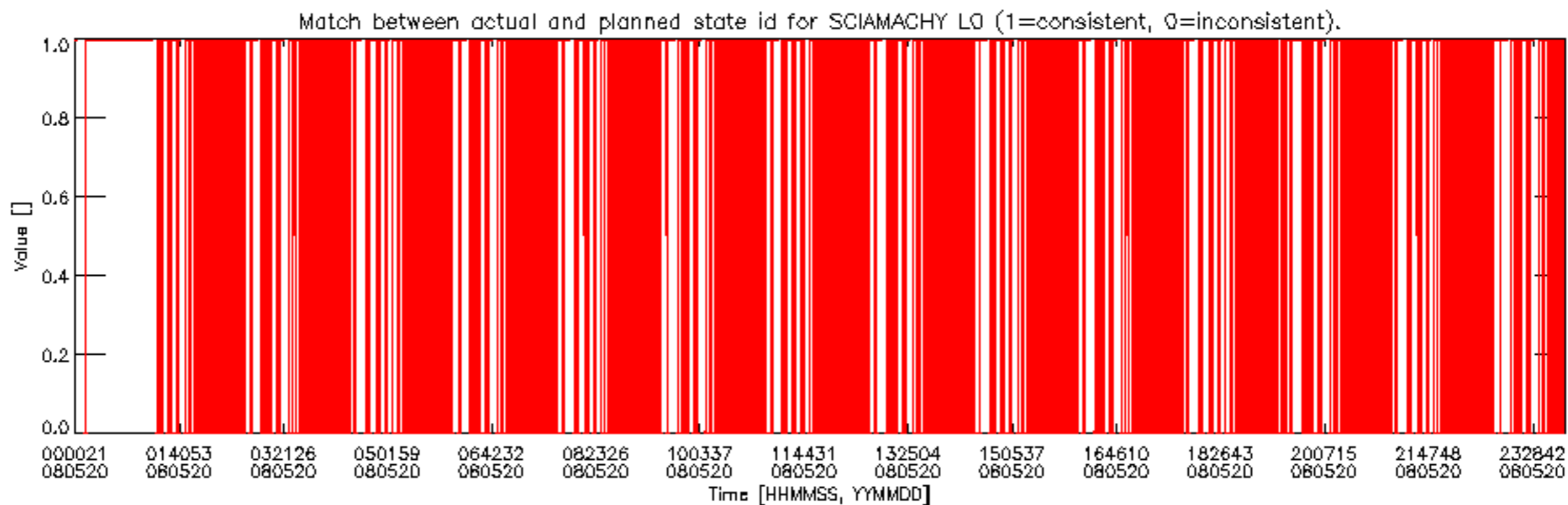
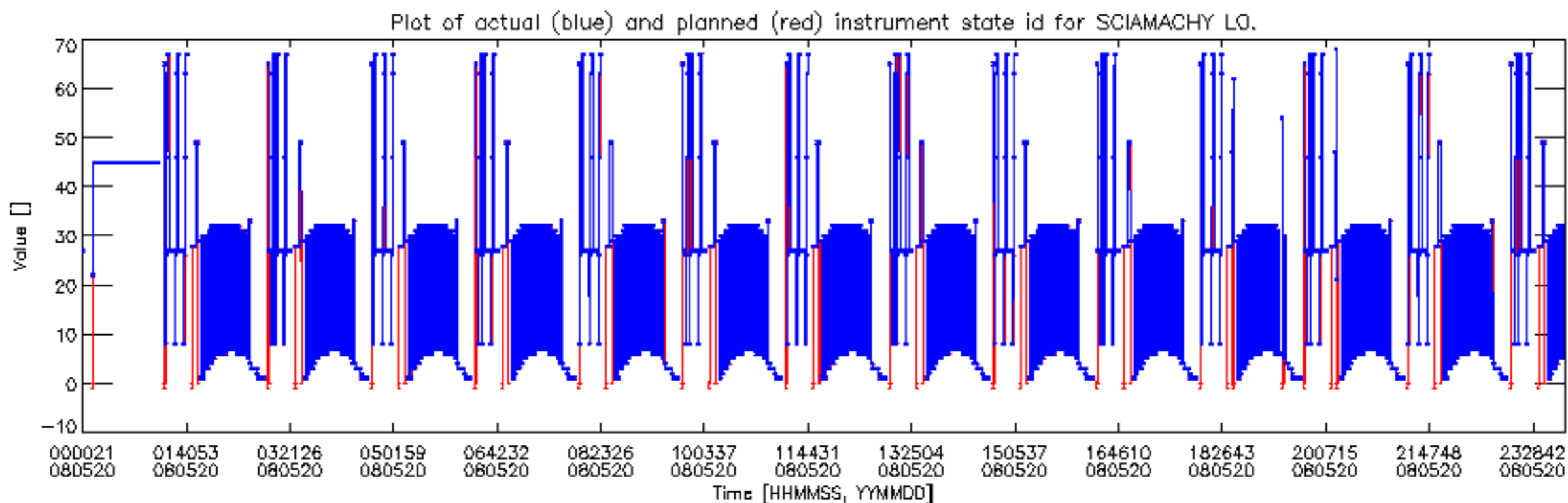
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080520_8.PNG











Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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