

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	25JUN2009 13:31:27
Data source version	KSPT_L0/4303-N
Processing scope for products	21JUN2009 00:00:00 to 22JUN2009 00:00:00
Start time of first product within scope	20JUN2009 22:29:42
Stop time of last product within scope	21JUN2009 21:50:59
Total number of level 0 products	14
Number of level 0 products with errors	0

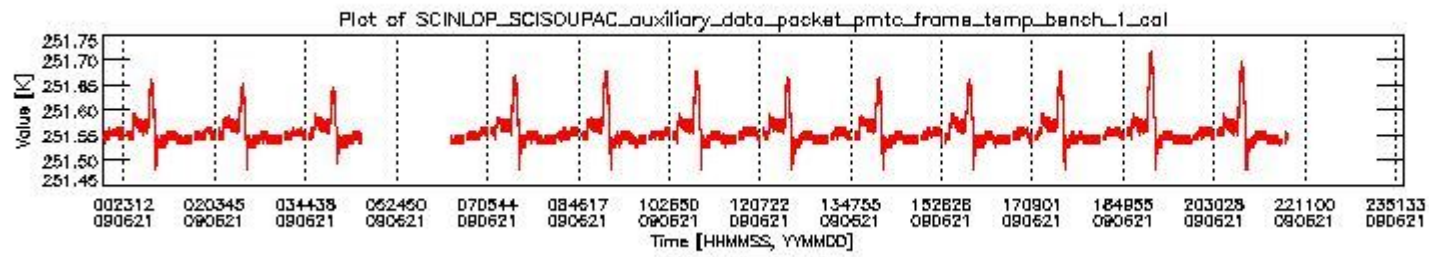
0.1.2 Summary per product

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

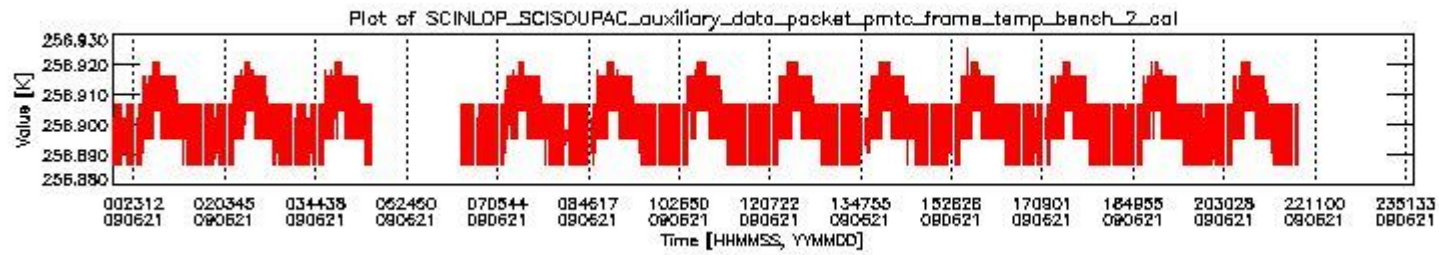
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090620_222942_000061562080_00072_38202_9368.N1	20JUN2009 22:29:42	21JUN2009 00:12:17	0	0	0	0	0
1	SCI_NL__OPNPDE20090621_001133_000058722080_00073_38203_9369.N1	21JUN2009 00:11:33	21JUN2009 01:49:25	0	0	0	0	0
2	SCI_NL__OPNPDE20090621_014841_000044222080_00074_38204_9370.N1	21JUN2009 01:48:41	21JUN2009 03:02:23	0	0	0	0	0
3	SCI_NL__OPNPDE20090621_030223_000062162080_00075_38205_9371.N1	21JUN2009 03:02:23	21JUN2009 04:45:59	0	0	0	0	0
4	SCI_NL__OPNPDK20090621_062444_000041572080_00077_38207_1853.N1	21JUN2009 06:24:44	21JUN2009 07:34:00	0	0	0	0	0
5	SCI_NL__OPNPDK20090621_073304_000061602080_00078_38208_1854.N1	21JUN2009 07:33:04	21JUN2009 09:15:45	0	0	0	0	0
6	SCI_NL__OPNPDK20090621_091449_000059672080_00079_38209_1855.N1	21JUN2009 09:14:49	21JUN2009 10:54:16	0	0	0	0	0
7	SCI_NL__OPNPDK20090621_105308_000061042080_00080_38210_1856.N1	21JUN2009 10:53:08	21JUN2009 12:34:52	0	0	0	0	0
8	SCI_NL__OPNPDK20090621_123452_000059112080_00081_38211_1857.N1	21JUN2009 12:34:52	21JUN2009 14:13:23	0	0	0	0	0
9	SCI_NL__OPNPDK20090621_141323_000057872080_00082_38212_1858.N1	21JUN2009 14:13:23	21JUN2009 15:49:50	0	0	0	0	0
10	SCI_NL__OPNPDK20090621_154950_000059272080_00083_38213_1859.N1	21JUN2009 15:49:50	21JUN2009 17:28:37	0	0	0	0	0
11	SCI_NL__OPNPDK20090621_172837_000058562080_00084_38214_1860.N1	21JUN2009 17:28:37	21JUN2009 19:06:13	0	0	0	0	0
12	SCI_NL__OPNPDK20090621_190504_000061452080_00085_38215_1861.N1	21JUN2009 19:05:04	21JUN2009 20:47:29	0	0	0	0	0
13	SCI_NL__OPNPDE20090621_204621_000038782080_00086_38216_9376.N1	21JUN2009 20:46:21	21JUN2009 21:50:59	0	0	0	0	0

0.2 Product Quality Indicators

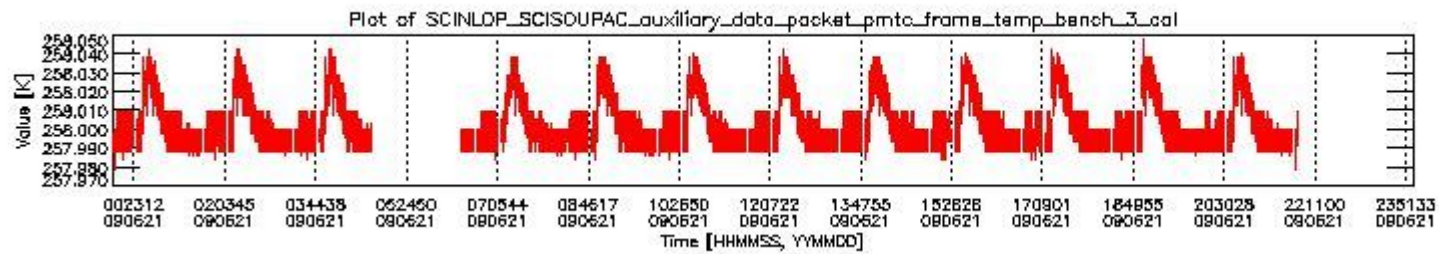
This section shows information about product quality, currently temperatures.



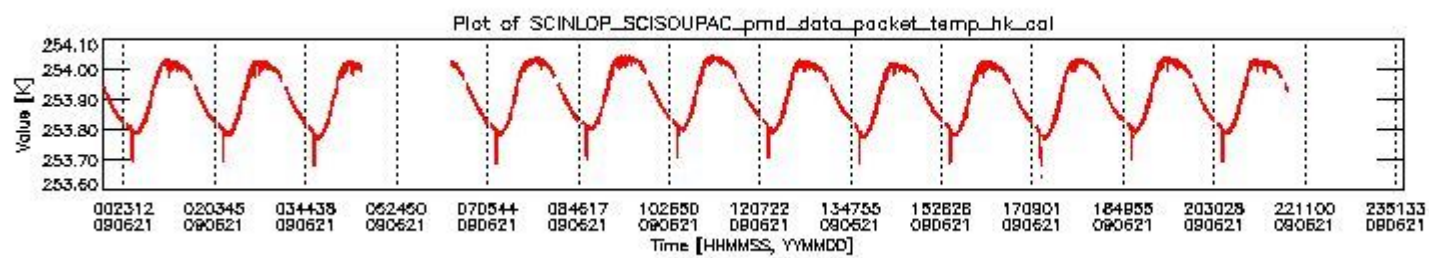
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_0.PNG



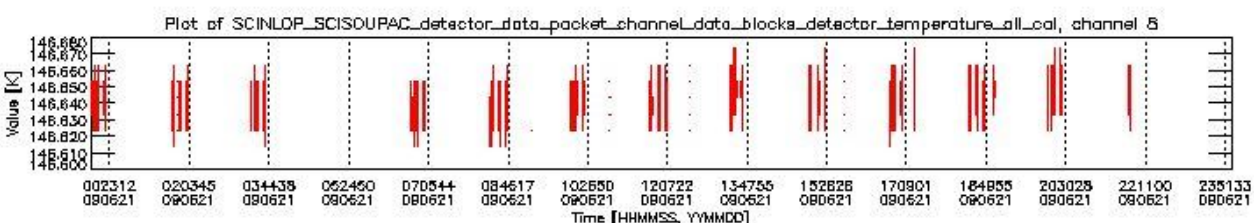
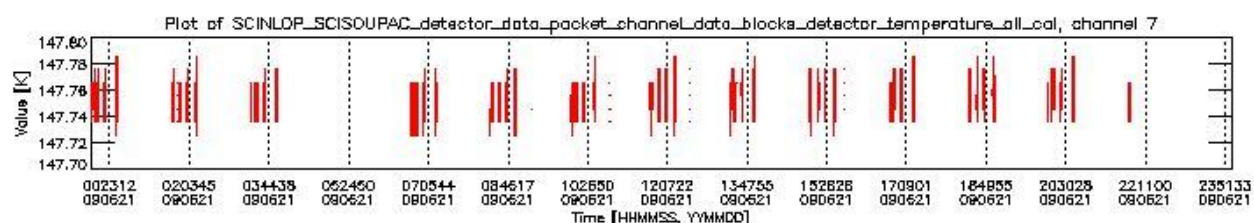
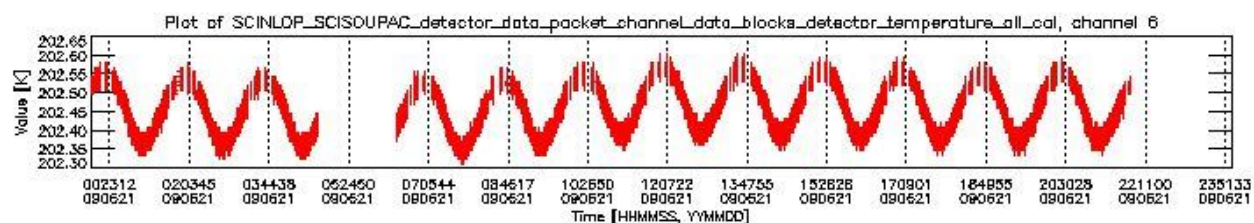
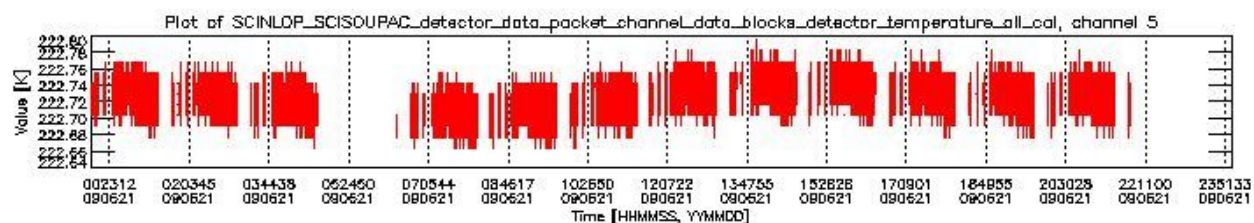
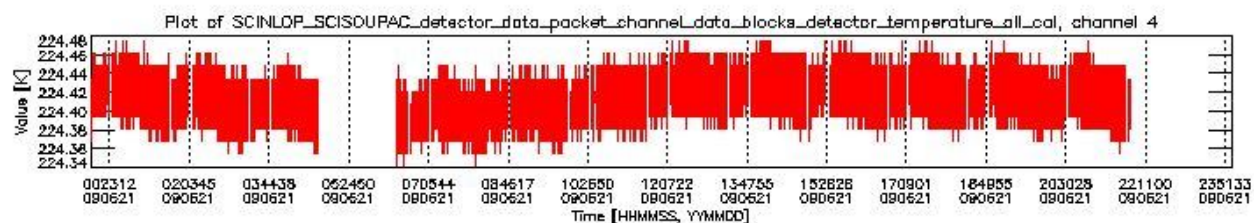
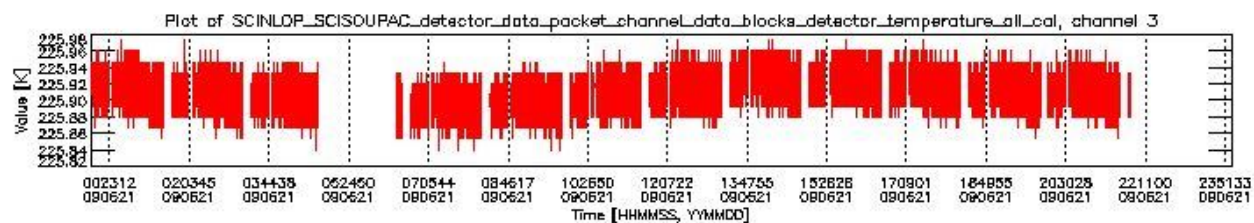
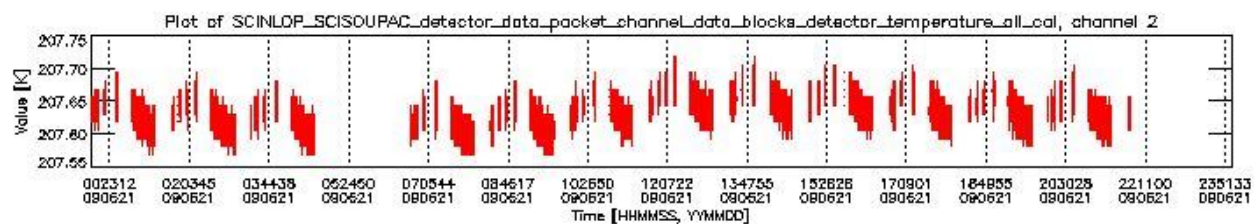
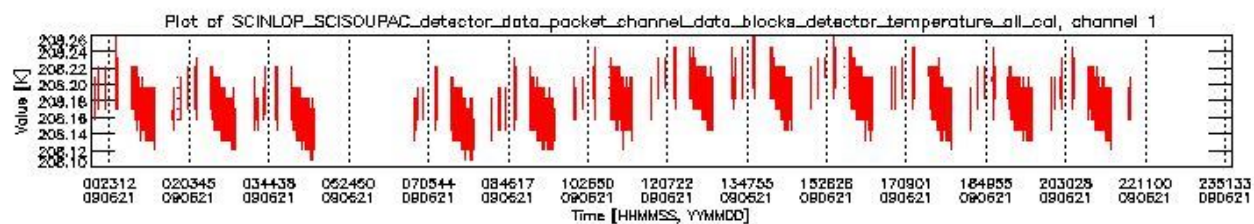
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_3.PNG

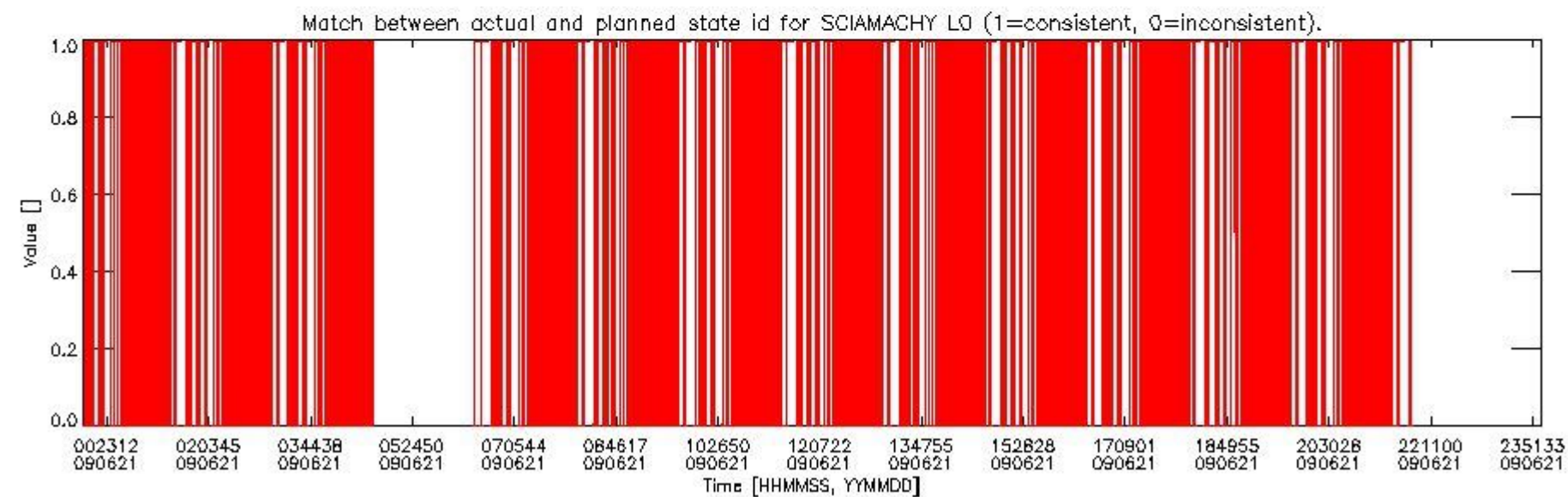
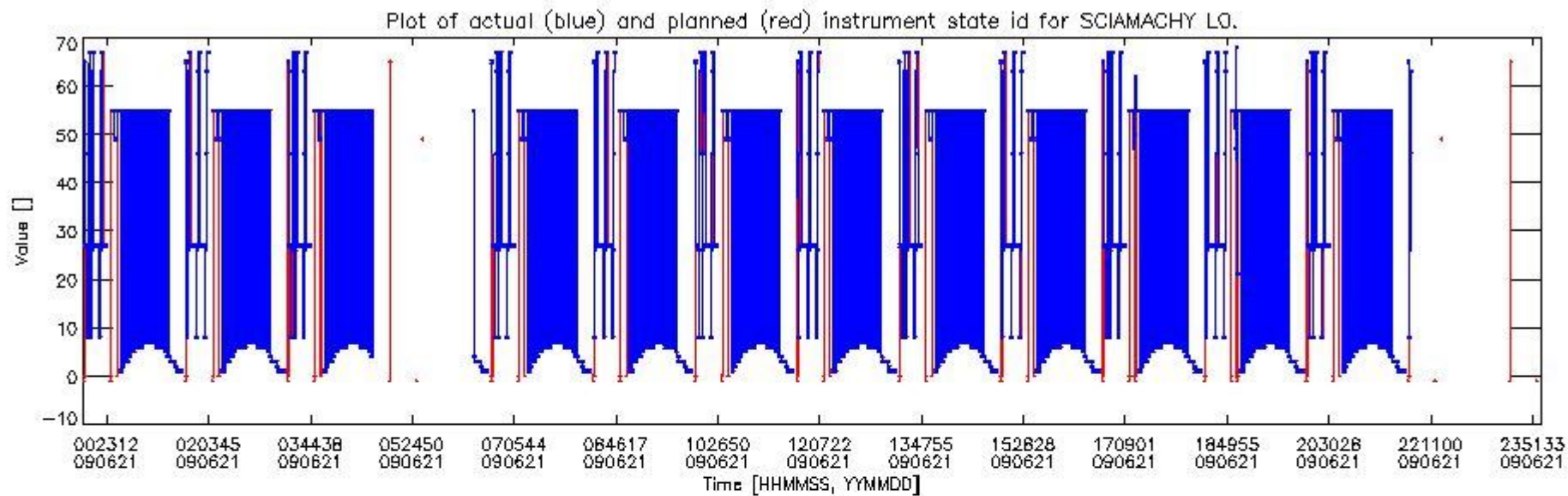


0.3 State monitoring

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: **28987**

#	Actual time	Actual value	Planned time	Planned value
0	21JUN2009 00:00:58.028814	65	21JUN2009 00:00:58.028814	0
1	21JUN2009 00:00:58.653796	65	21JUN2009 00:00:58.653796	0
2	21JUN2009 00:00:59.153813	65	21JUN2009 00:00:59.153813	0
3	21JUN2009 00:00:59.653790	65	21JUN2009 00:00:59.653790	0
4	21JUN2009 00:01:00.153808	65	21JUN2009 00:01:00.153808	0
5	21JUN2009 00:01:00.653785	65	21JUN2009 00:01:00.653785	0
6	21JUN2009 00:01:01.153802	65	21JUN2009 00:01:01.153802	0
7	21JUN2009 00:01:01.653779	65	21JUN2009 00:01:01.653779	0
8	21JUN2009 00:01:02.153797	65	21JUN2009 00:01:02.153797	0
9	21JUN2009 00:01:02.653814	65	21JUN2009 00:01:02.653814	0
10	21JUN2009 00:01:03.028787	65	21JUN2009 00:01:03.028787	0
11	21JUN2009 00:01:03.153791	65	21JUN2009 00:01:03.153791	0
12	21JUN2009 00:01:03.653809	65	21JUN2009 00:01:03.653809	0
13	21JUN2009 00:01:41.782711	27	21JUN2009 00:01:41.782711	0
14	21JUN2009 00:01:42.782705	27	21JUN2009 00:01:42.782705	0
15	21JUN2009 00:01:43.720218	27	21JUN2009 00:01:43.720218	0
16	21JUN2009 00:01:44.470204	27	21JUN2009 00:01:44.470204	0
17	21JUN2009 00:01:45.407716	27	21JUN2009 00:01:45.407716	0
18	21JUN2009 00:01:46.157702	27	21JUN2009 00:01:46.157702	0
19	21JUN2009 00:01:46.782724	27	21JUN2009 00:01:46.782724	0

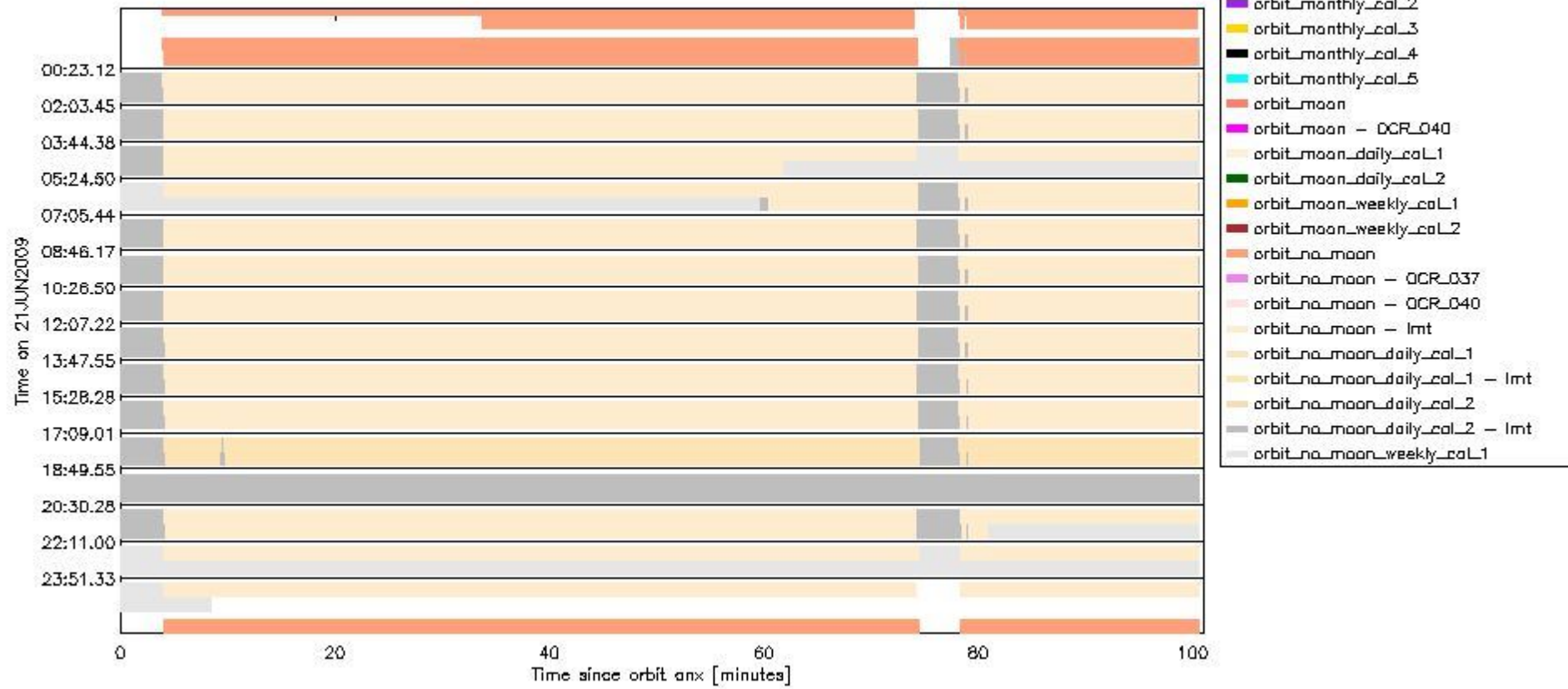


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_5.PNG

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 21JUN2009.
 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_20090621_6.PNG

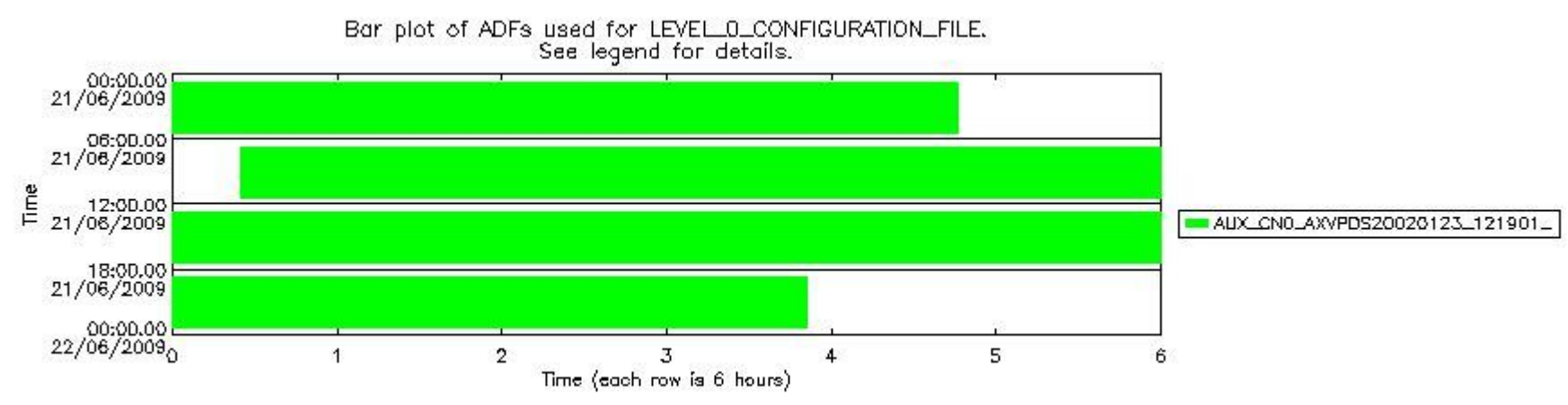
0.4 ADF monitoring

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

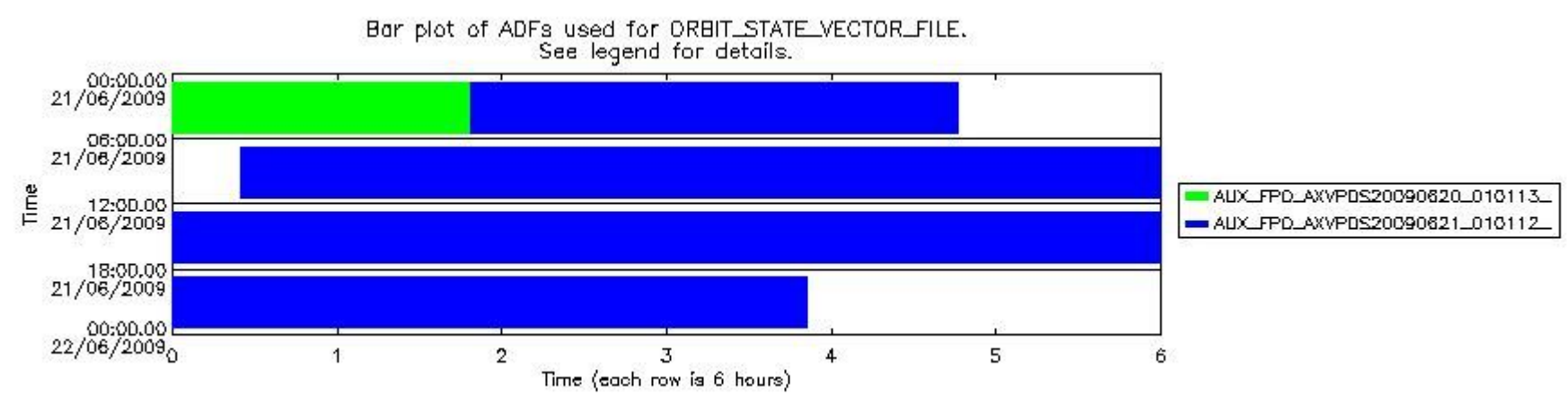
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

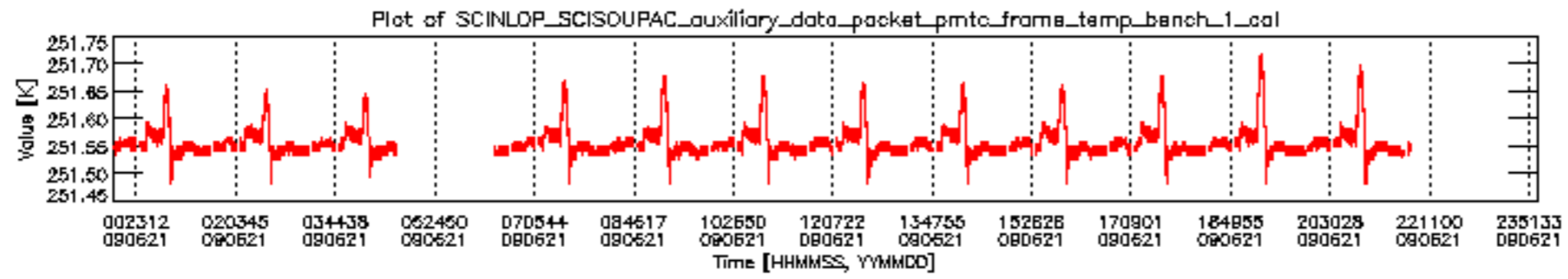
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090620_010113_20090619_195302_20090629_211915
2	AUX_FPO_AXVPDS20090621_010112_20090620_192125_20090630_204738

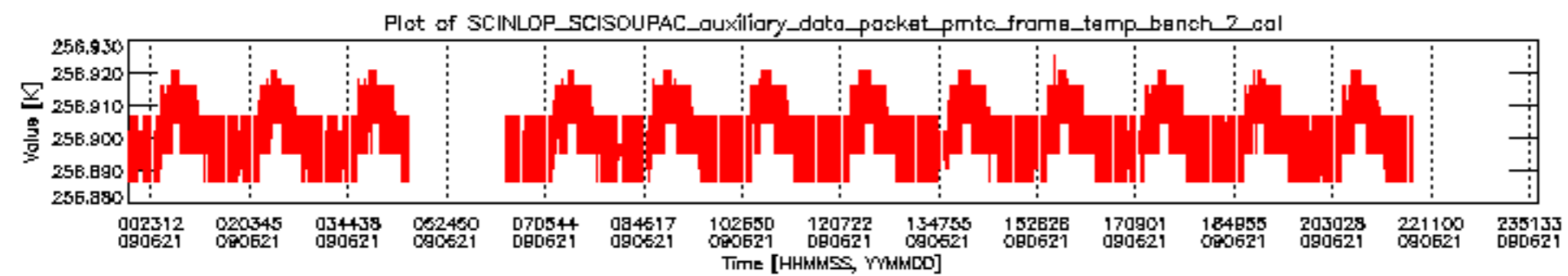


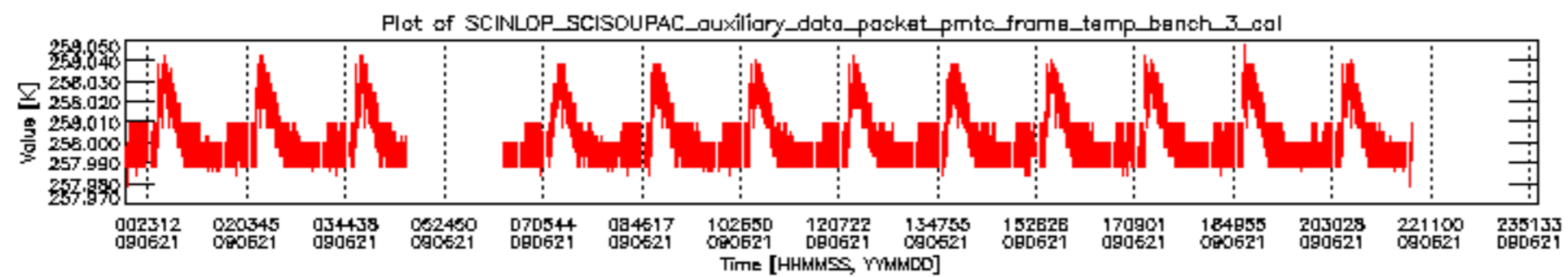
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_7.PNG

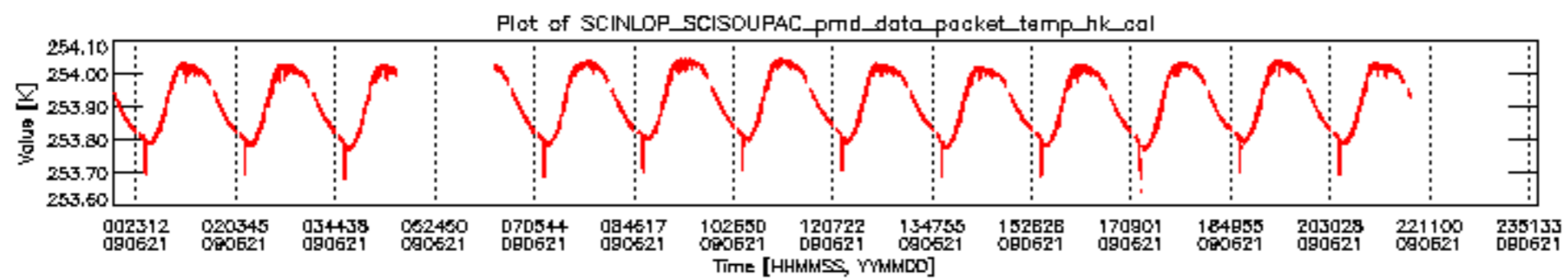


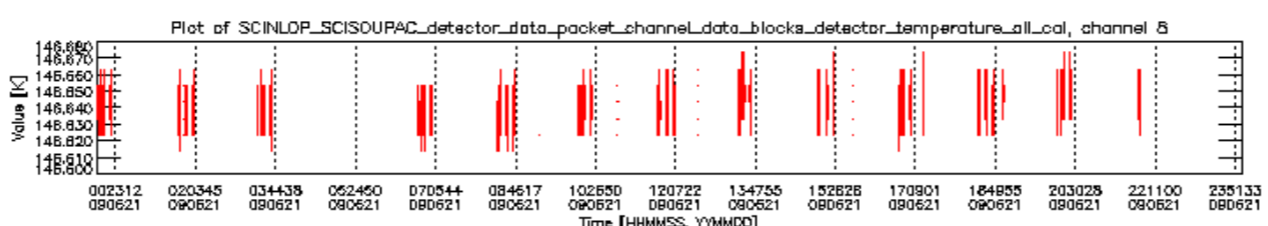
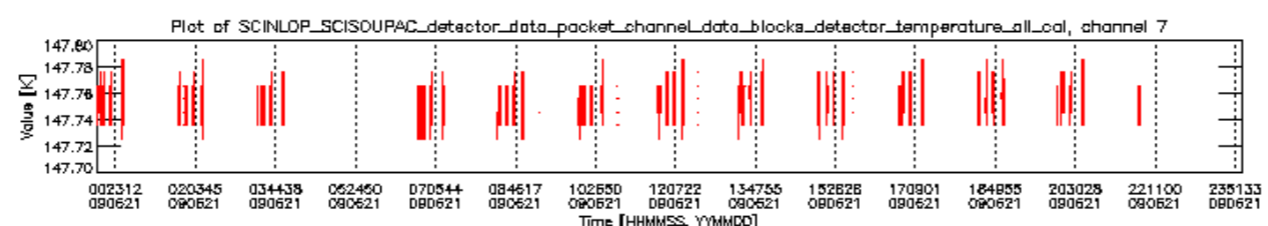
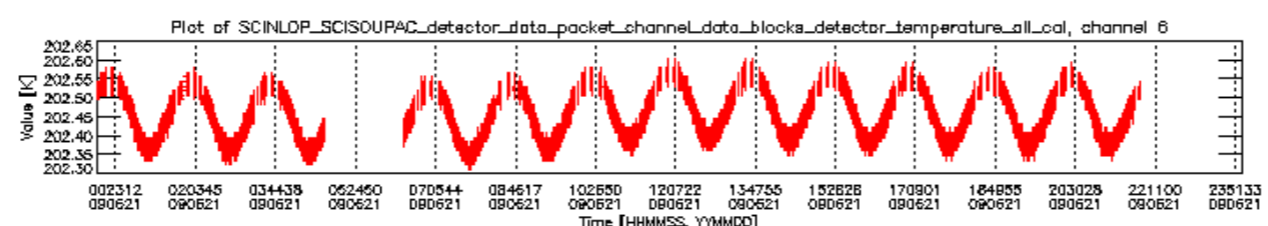
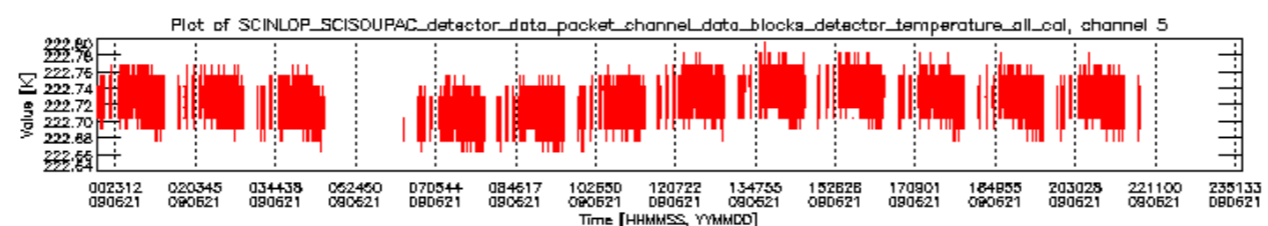
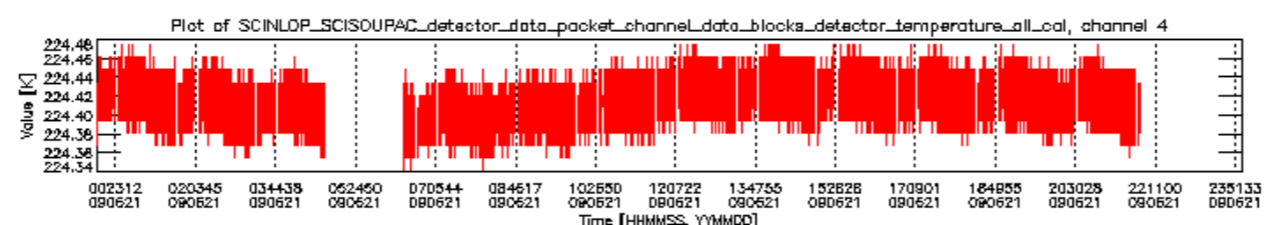
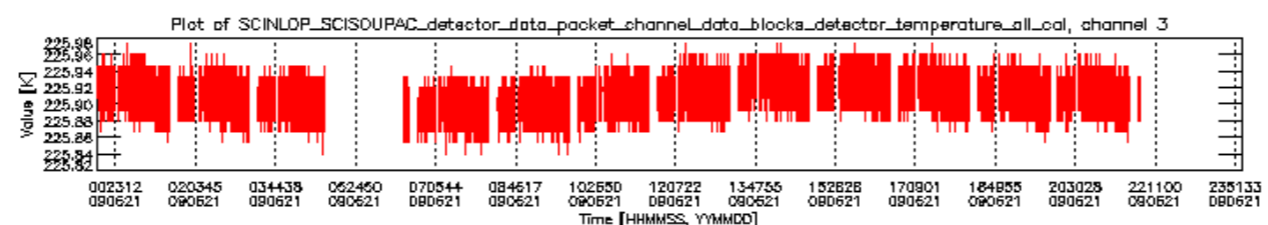
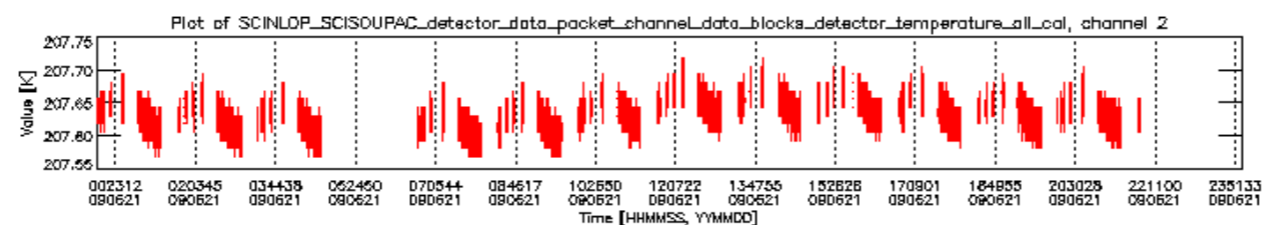
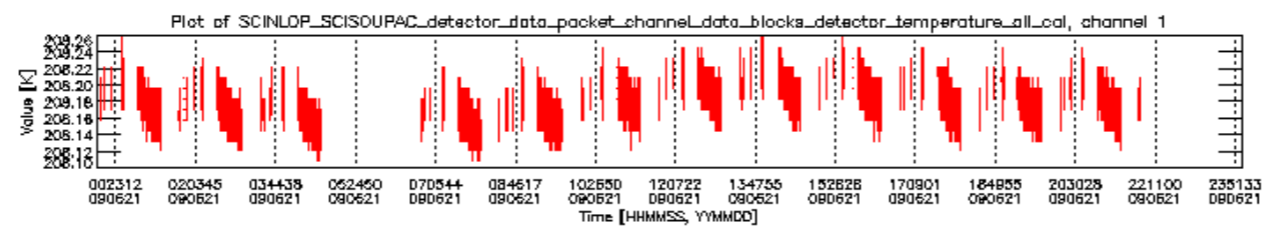
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090621_8.PNG

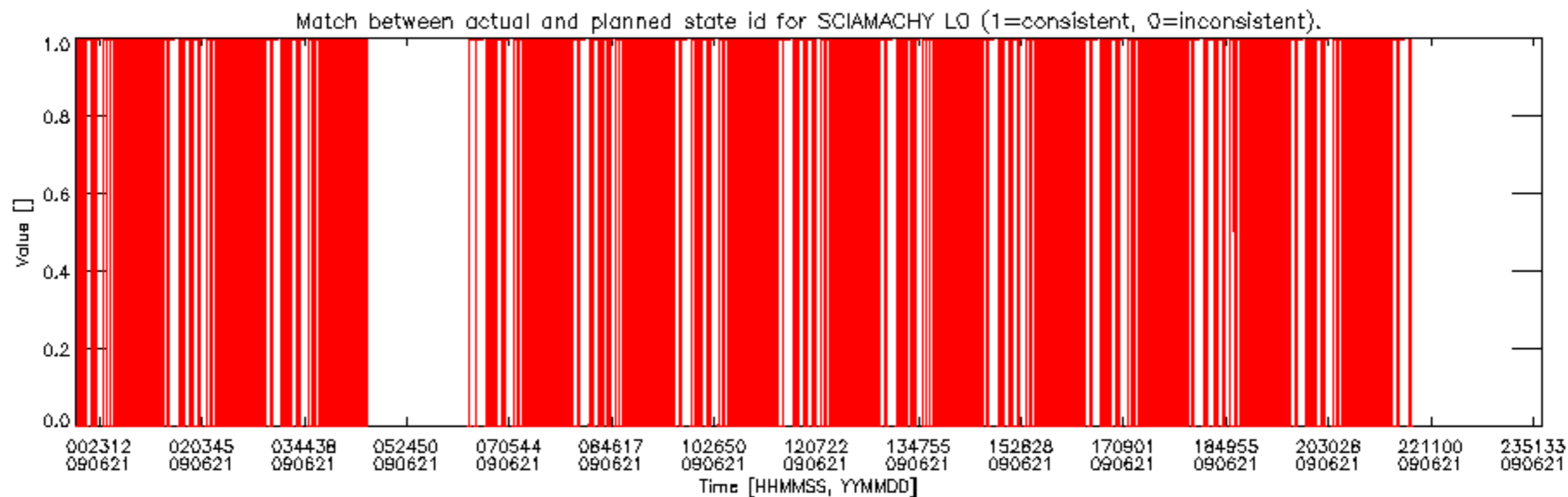
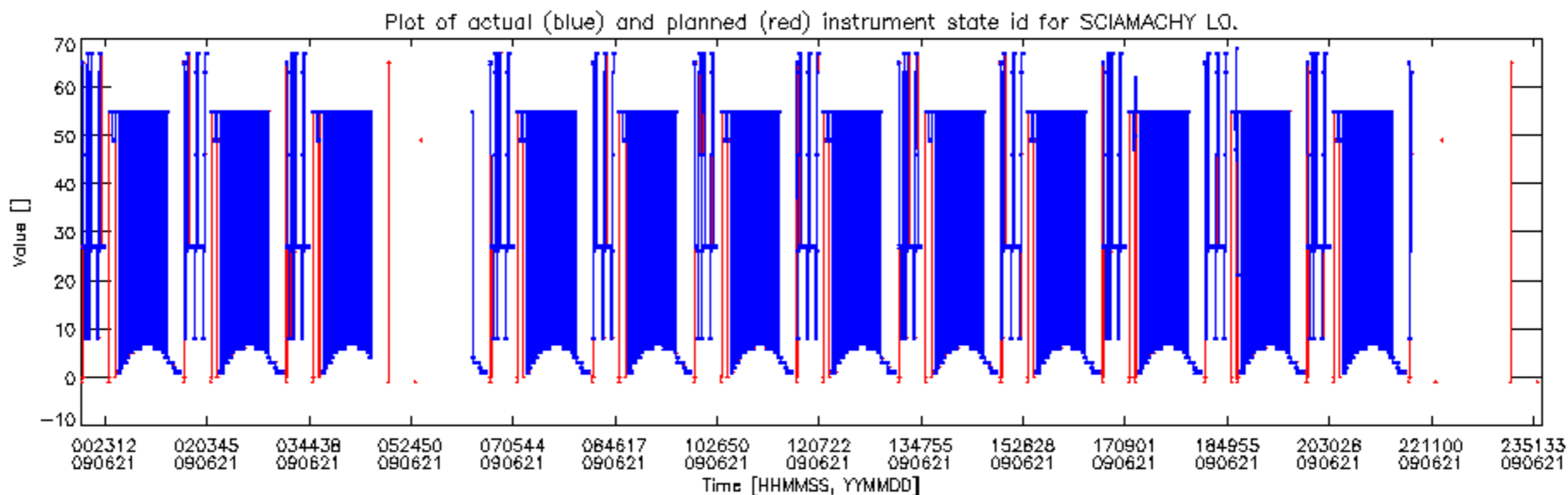












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