

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	v1.4 20100407
Time of report generation	23MAY2010 02:35:44
Data source version	<Any version>
Processing scope for products	17MAY2010 00:00:00 to 18MAY2010 00:00:00
Start time of first product within scope	17MAY2010 00:39:22
Stop time of last product within scope	18MAY2010 00:09:04
Total number of Level 0 products	15
Number of Level 0 products with errors	0

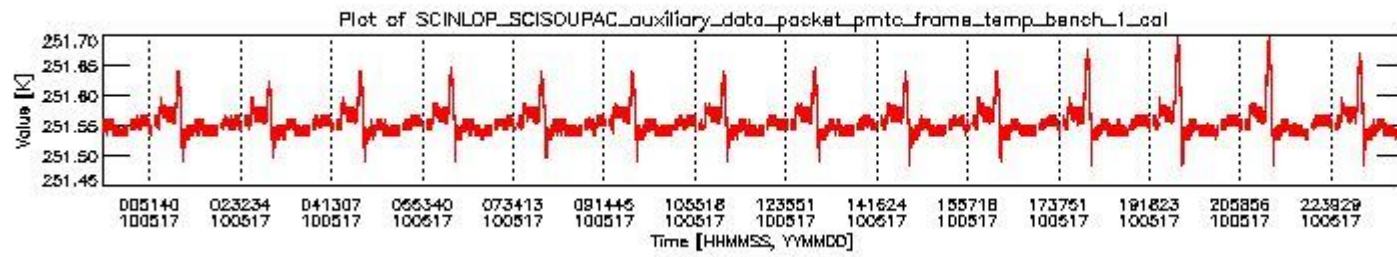
0.1.2 Summary per product

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

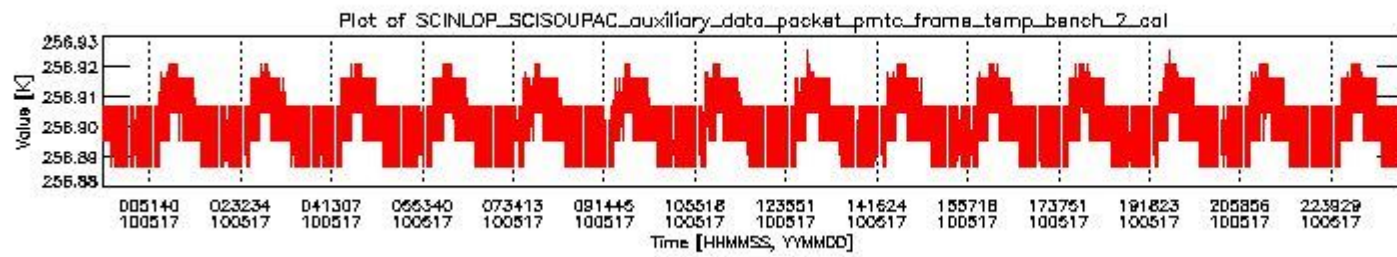
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100517_003922_000058232089_00288_42927_1466.N1	17MAY2010 00:39:22	17MAY2010 02:16:25	0	0	0	0	0
1	SCI_NL__OPNPDE20100517_021541_000045942089_00289_42928_1467.N1	17MAY2010 02:15:41	17MAY2010 03:32:15	0	0	0	0	0
2	SCI_NL__OPNPDE20100517_033215_000060922089_00290_42929_1468.N1	17MAY2010 03:32:15	17MAY2010 05:13:47	0	0	0	0	0
3	SCI_NL__OPNPDE20100517_051251_000061042089_00291_42930_1469.N1	17MAY2010 05:12:51	17MAY2010 06:54:35	0	0	0	0	0
4	SCI_NL__OPNPDK20100517_065435_000041012089_00292_42931_1419.N1	17MAY2010 06:54:35	17MAY2010 08:02:56	0	0	0	0	0
5	SCI_NL__OPNPDK20100517_080148_000061042089_00293_42932_1420.N1	17MAY2010 08:01:48	17MAY2010 09:43:32	0	0	0	0	0
6	SCI_NL__OPNPDK20100517_094332_000059672089_00294_42933_1421.N1	17MAY2010 09:43:32	17MAY2010 11:22:59	0	0	0	0	0
7	SCI_NL__OPNPDK20100517_112203_000060362089_00295_42934_1422.N1	17MAY2010 11:22:03	17MAY2010 13:02:39	0	0	0	0	0
8	SCI_NL__OPNPDK20100517_130239_000059112089_00296_42935_1423.N1	17MAY2010 13:02:39	17MAY2010 14:41:10	0	0	0	0	0
9	SCI_NL__OPNPDK20100517_144001_000059242089_00297_42936_1424.N1	17MAY2010 14:40:01	17MAY2010 16:18:45	0	0	0	0	0
10	SCI_NL__OPNPDK20100517_161737_000058582089_00298_42937_1425.N1	17MAY2010 16:17:37	17MAY2010 17:55:15	0	0	0	0	0
11	SCI_NL__OPNPDK20100517_175419_000059802089_00299_42938_1426.N1	17MAY2010 17:54:19	17MAY2010 19:33:59	0	0	0	0	0
12	SCI_NL__OPNPDE20100517_193250_000042952089_00300_42939_1470.N1	17MAY2010 19:32:50	17MAY2010 20:44:25	0	0	0	0	0
13	SCI_NL__OPNPDE20100517_204302_000062952089_00300_42939_1471.N1	17MAY2010 20:43:02	17MAY2010 22:27:57	0	0	0	0	0
14	SCI_NL__OPNPDE20100517_222713_000061112089_00301_42940_1472.N1	17MAY2010 22:27:13	18MAY2010 00:09:04	0	0	0	0	0

0.2 Product Quality Indicators

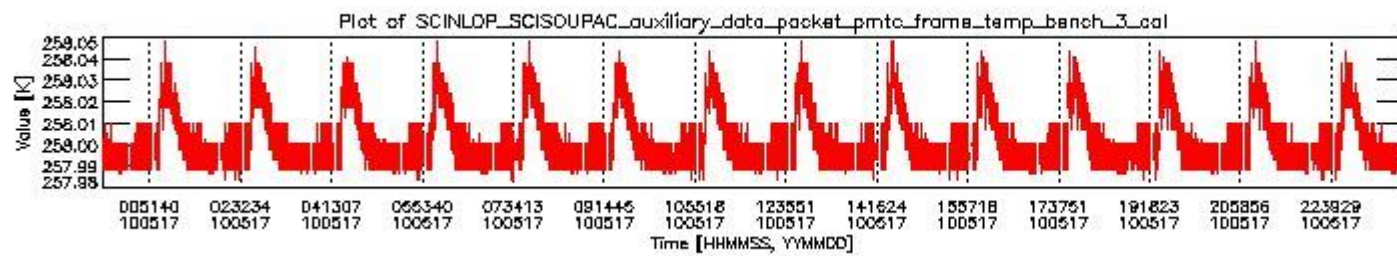
This section shows information about product quality, currently temperatures.



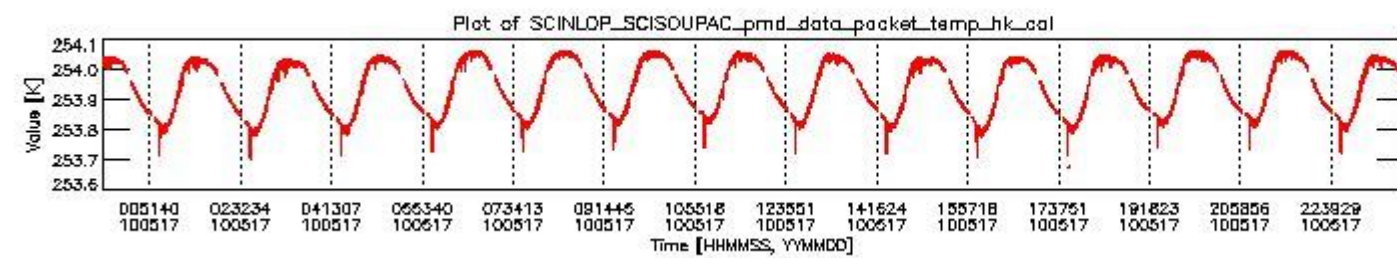
sciamachy_daily_report_level0_Any_version_20100517_0.PNG



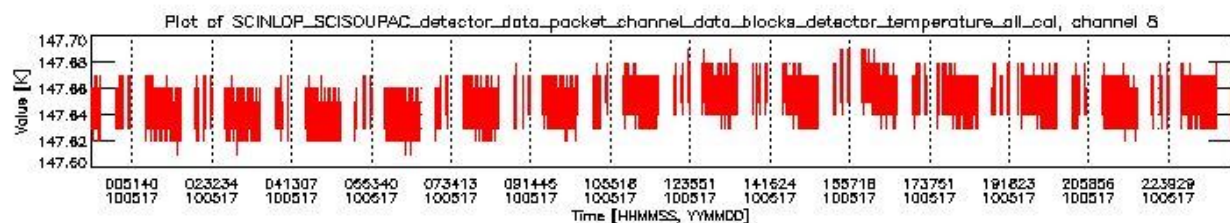
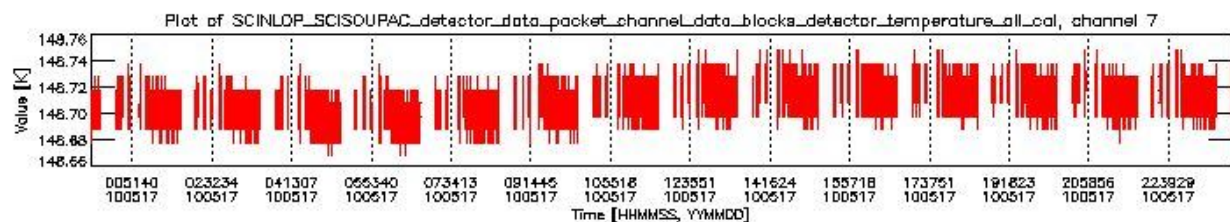
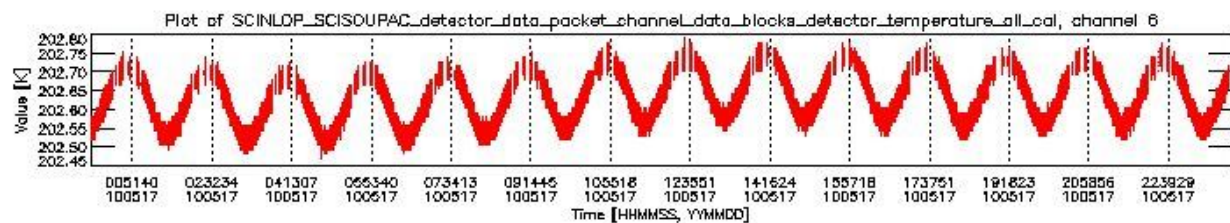
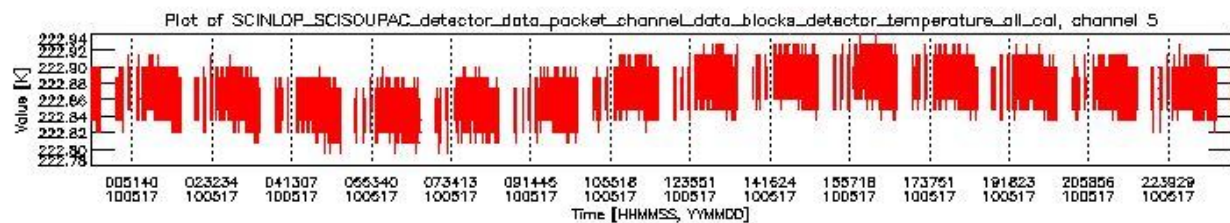
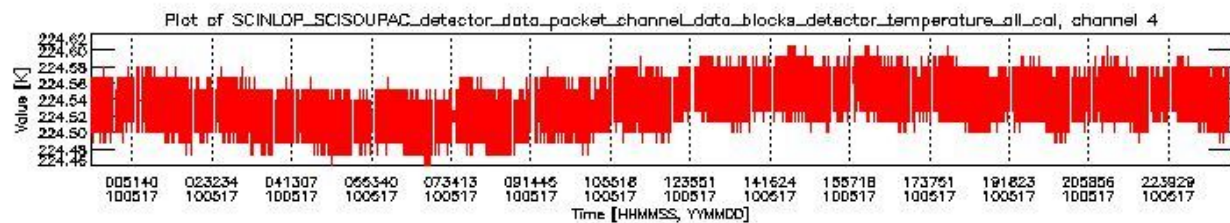
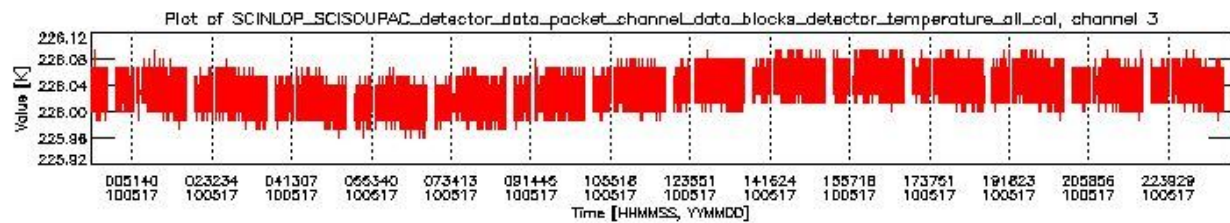
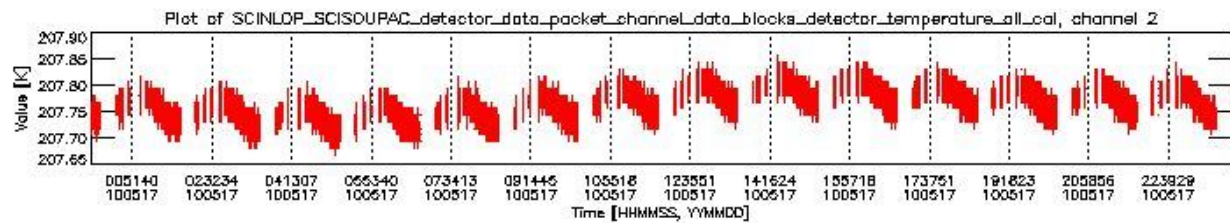
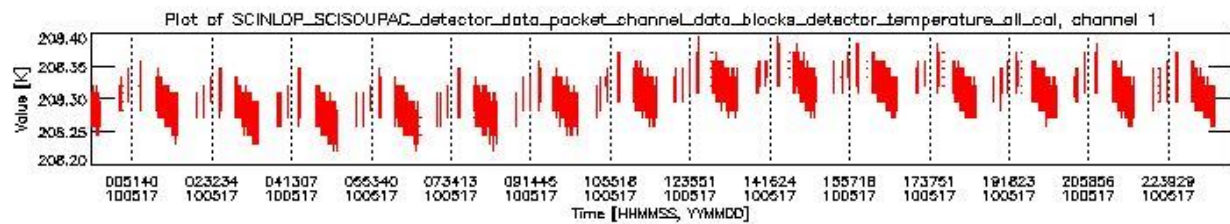
sciamachy_daily_report_level0_Any_version_20100517_1.PNG



sciamachy_daily_report_level0_Any_version_20100517_2.PNG



sciamachy_daily_report_level0_Any_version_20100517_3.PNG

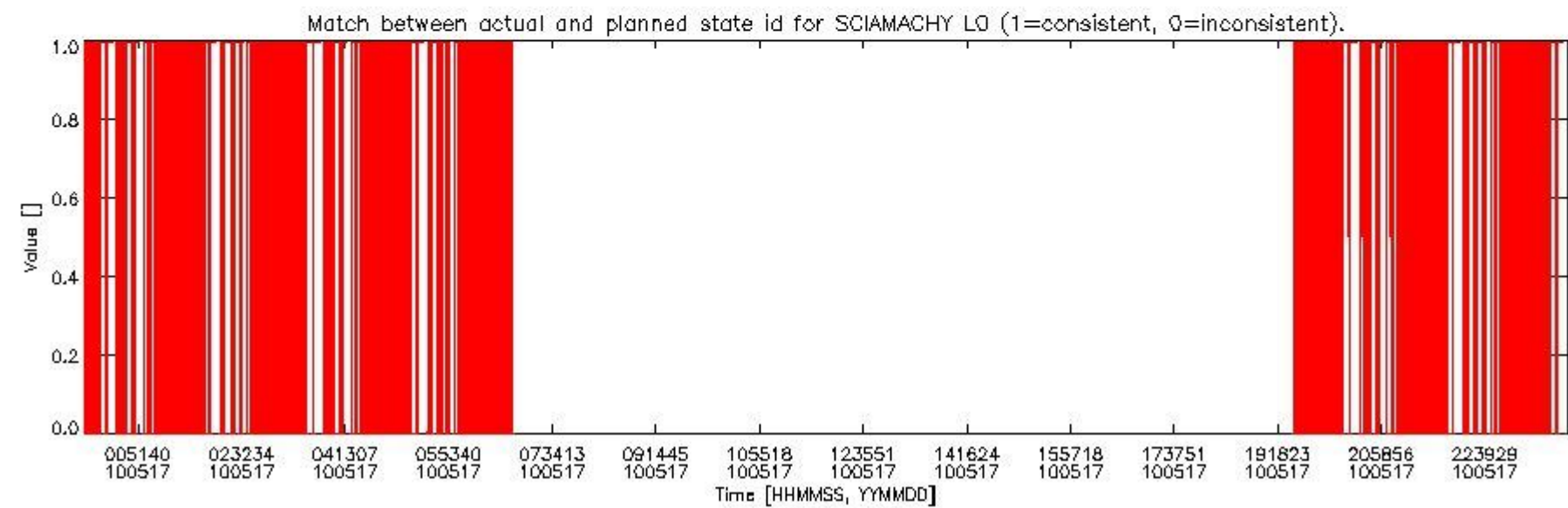
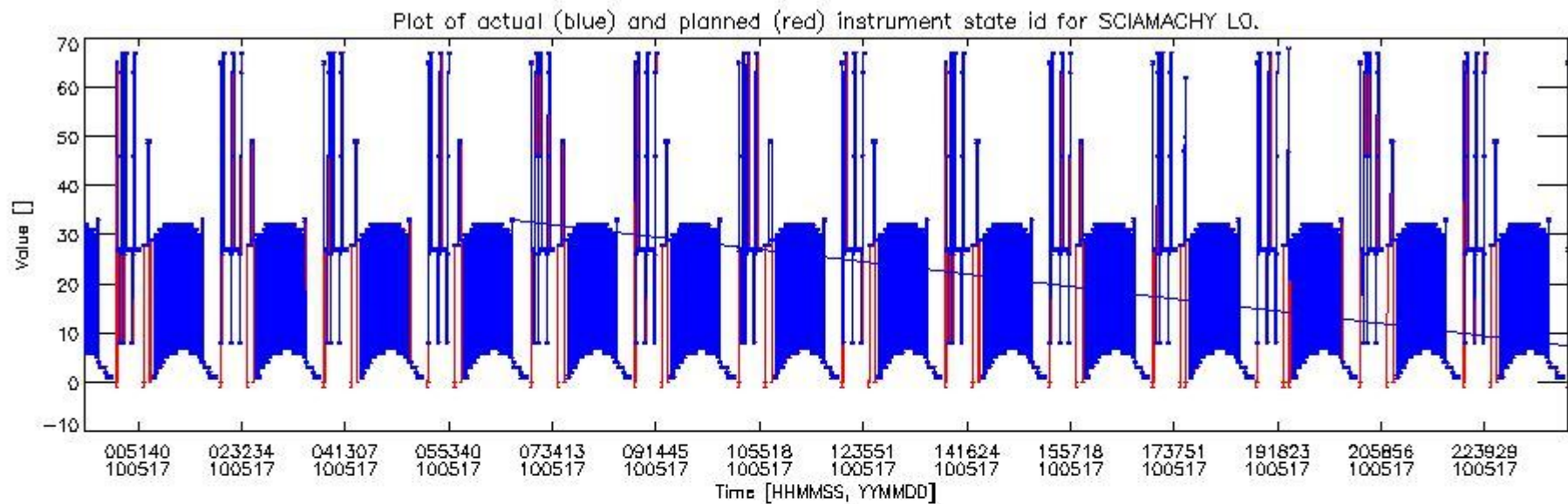


0.3 State monitoring

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: **43766**

#	Actual time	Actual value	Planned time	Planned value
0	17MAY2010 00:00:00.382807	32	17MAY2010 00:00:00.382807	7
1	17MAY2010 00:00:00.757807	32	17MAY2010 00:00:00.757807	7
2	17MAY2010 00:00:01.132807	32	17MAY2010 00:00:01.132807	7
3	17MAY2010 00:00:01.507807	32	17MAY2010 00:00:01.507807	7
4	17MAY2010 00:00:01.632807	32	17MAY2010 00:00:01.632807	7
5	17MAY2010 00:00:02.070307	32	17MAY2010 00:00:02.070307	7
6	17MAY2010 00:00:02.445307	32	17MAY2010 00:00:02.445307	7
7	17MAY2010 00:00:02.820307	32	17MAY2010 00:00:02.820307	7
8	17MAY2010 00:00:03.195307	32	17MAY2010 00:00:03.195307	7
9	17MAY2010 00:00:03.757807	32	17MAY2010 00:00:03.757807	7
10	17MAY2010 00:00:04.132807	32	17MAY2010 00:00:04.132807	7
11	17MAY2010 00:00:04.507807	32	17MAY2010 00:00:04.507807	7
12	17MAY2010 00:00:04.882807	32	17MAY2010 00:00:04.882807	7
13	17MAY2010 00:00:42.507814	6	17MAY2010 00:00:42.507814	32
14	17MAY2010 00:00:42.882814	6	17MAY2010 00:00:42.882814	32
15	17MAY2010 00:00:43.132814	6	17MAY2010 00:00:43.132814	32
16	17MAY2010 00:00:43.382814	6	17MAY2010 00:00:43.382814	32
17	17MAY2010 00:00:43.632814	6	17MAY2010 00:00:43.632814	32
18	17MAY2010 00:00:43.882814	6	17MAY2010 00:00:43.882814	32
19	17MAY2010 00:00:44.132814	6	17MAY2010 00:00:44.132814	32
...

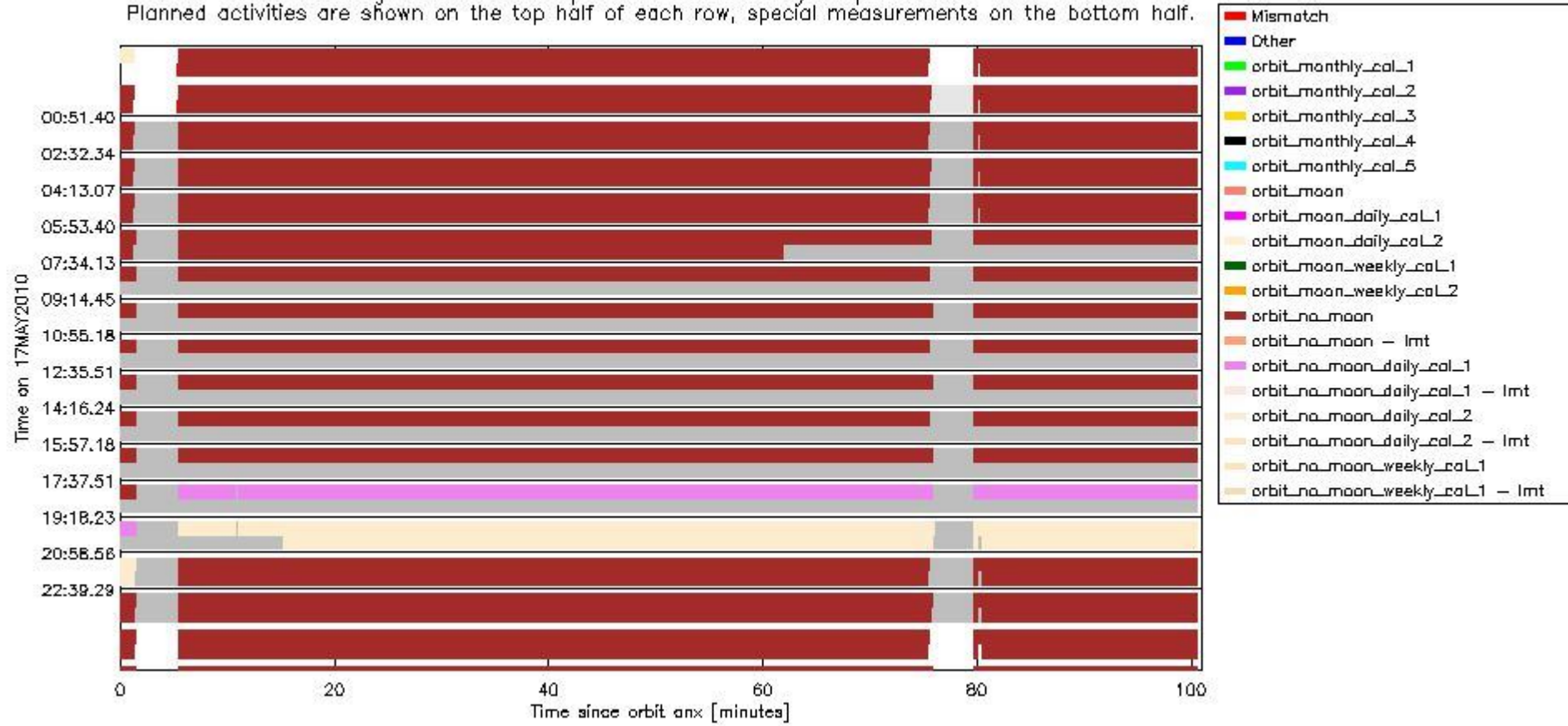


sciamachy_daily_report_level0_Any_version_20100517_5.PNG

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 17MAY2010.
 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_Any_version_20100517_6.PNG

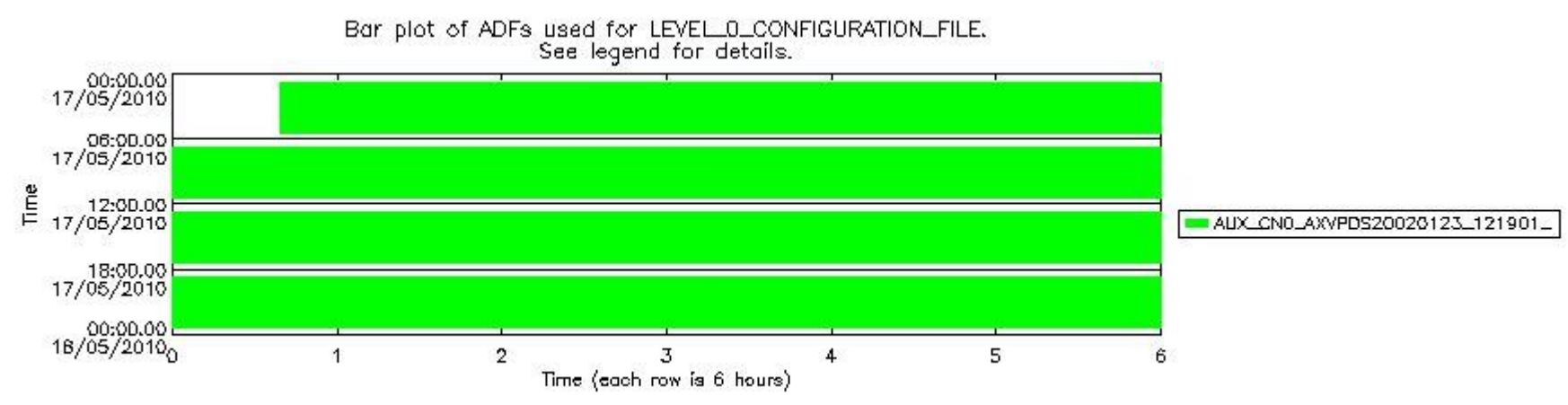
0.4 ADF monitoring

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

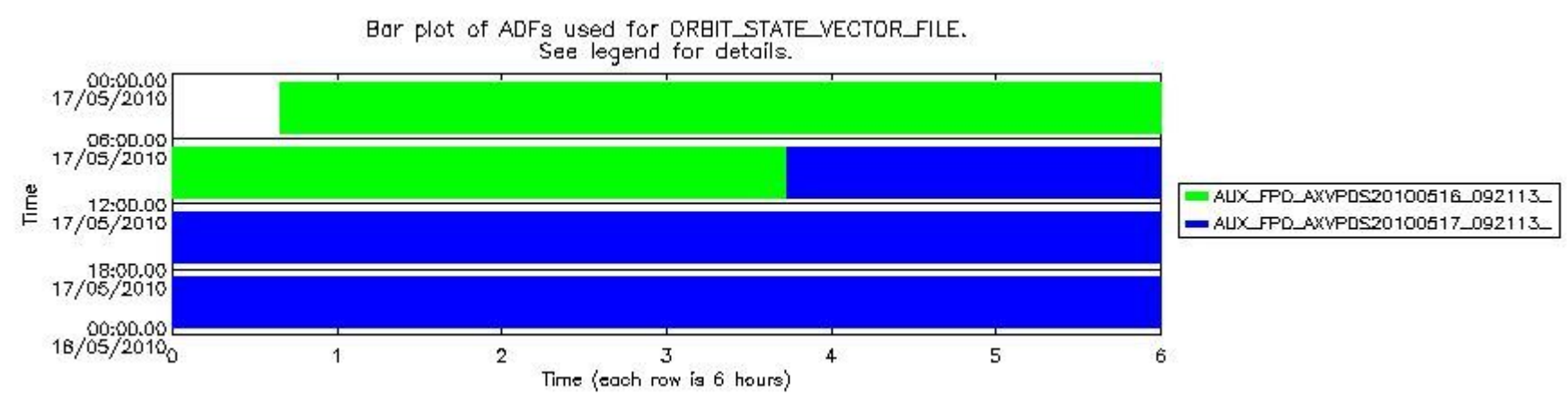
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

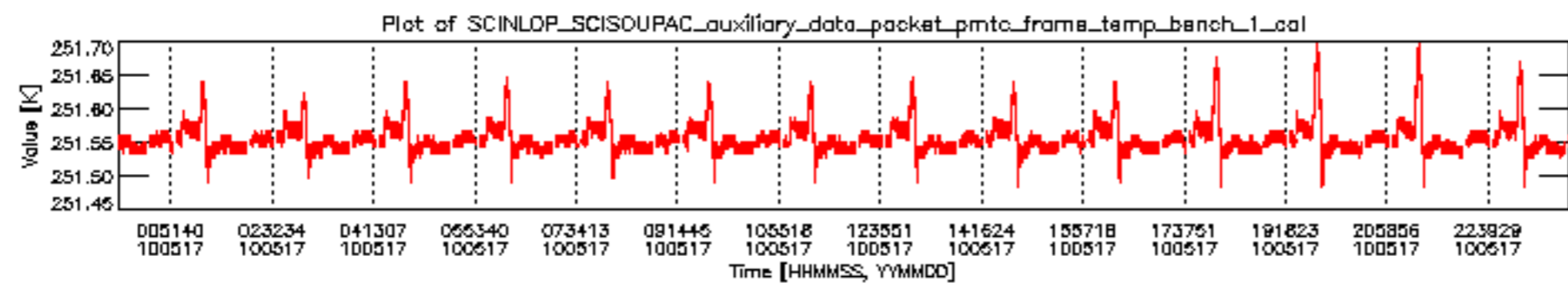
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100516_092113_20100515_184100_20100525_200714
2	AUX_FPO_AXVPDS20100517_092113_20100516_194959_20100526_211613

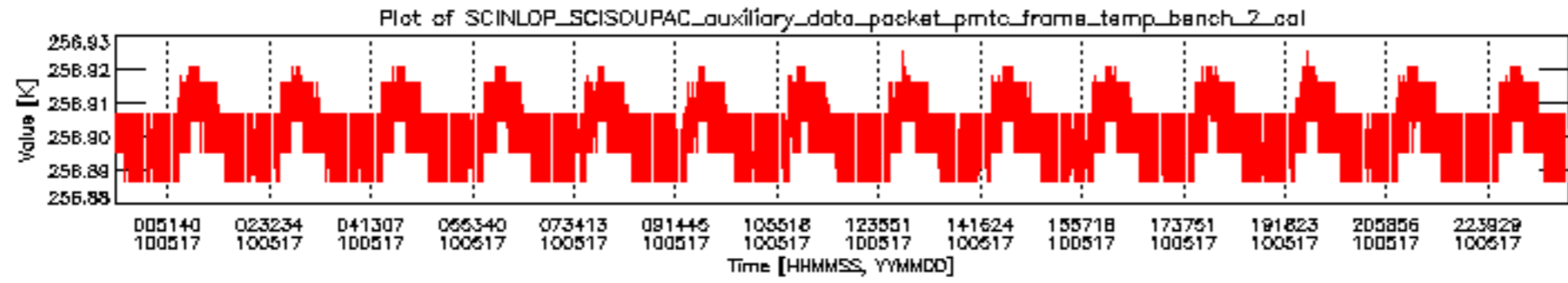


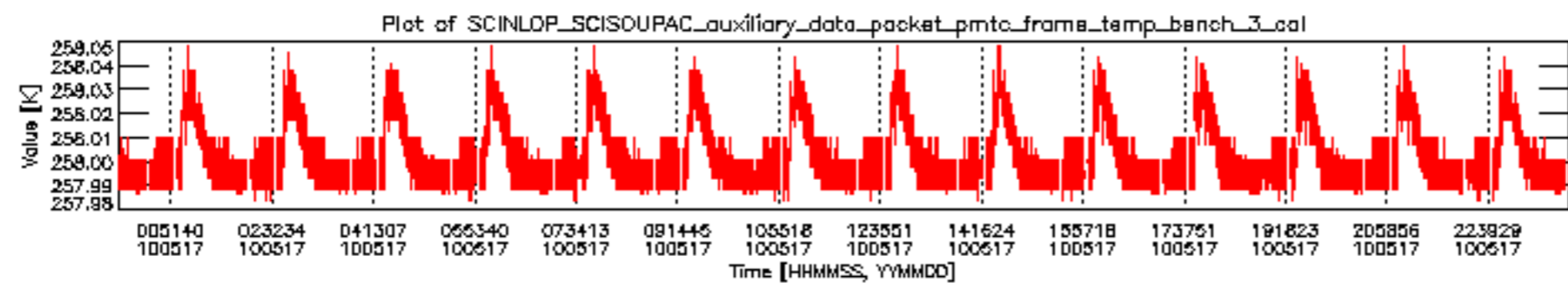
sciamachy_daily_report_level0_Any_version_20100517_7.PNG

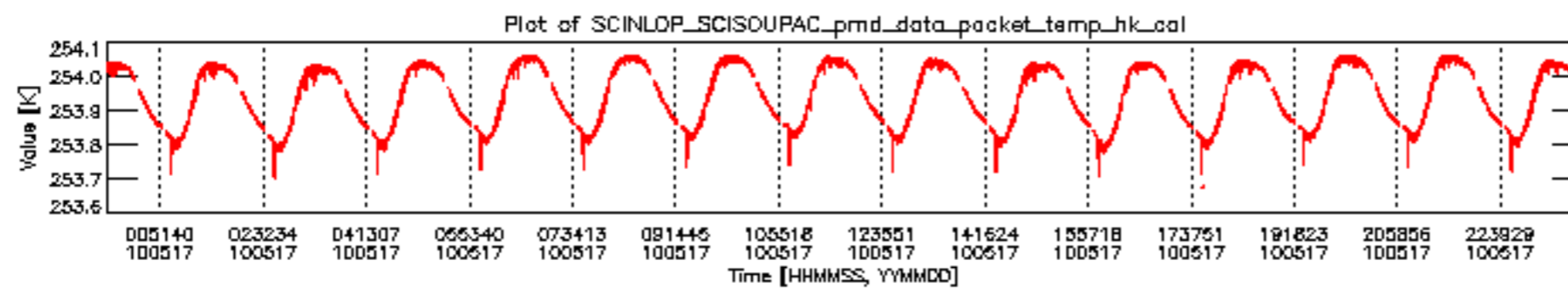


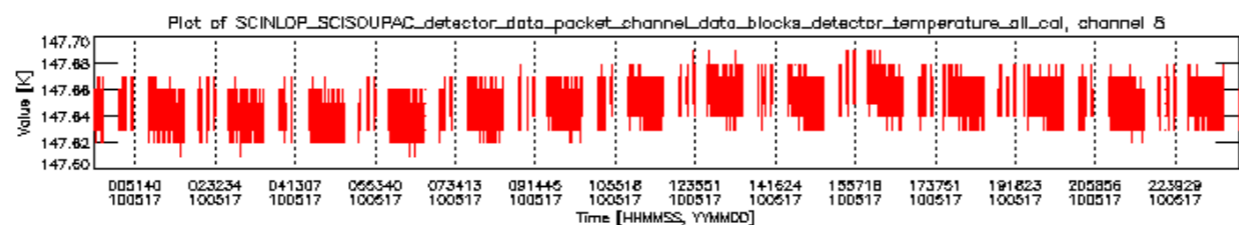
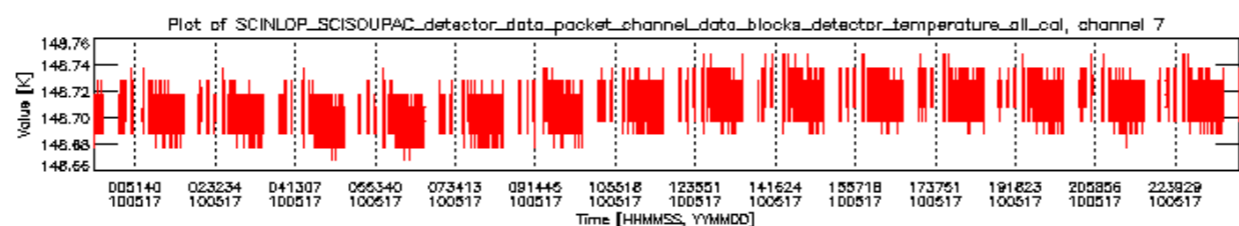
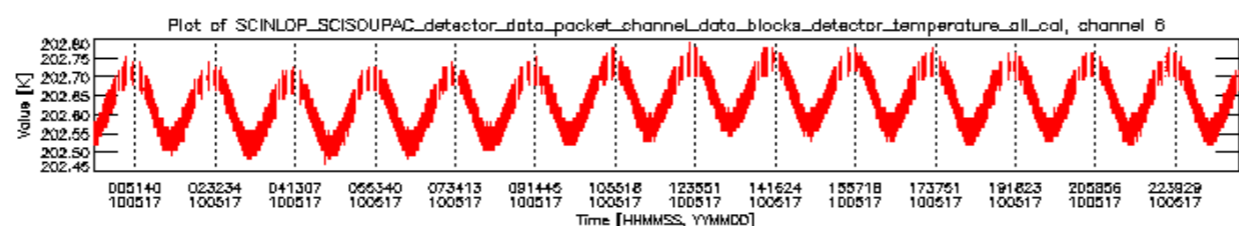
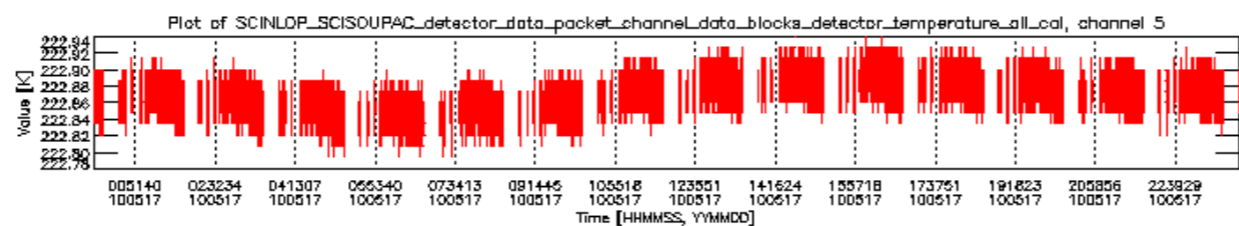
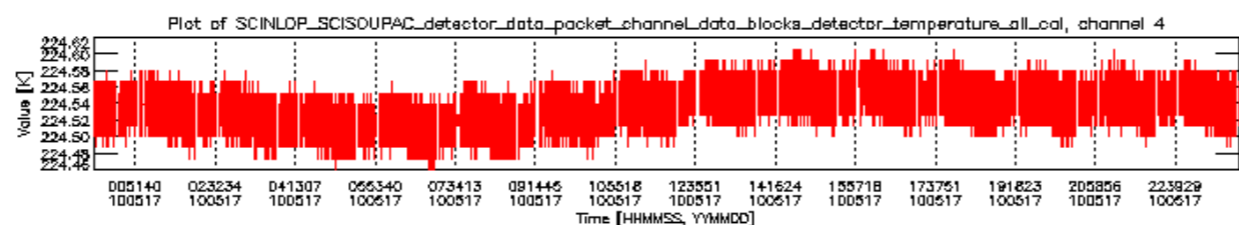
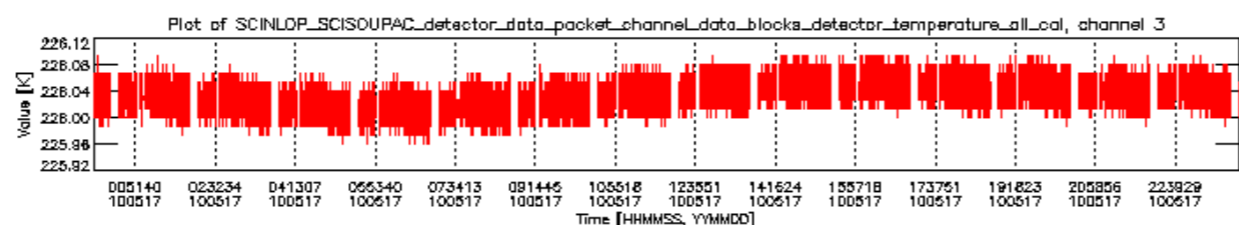
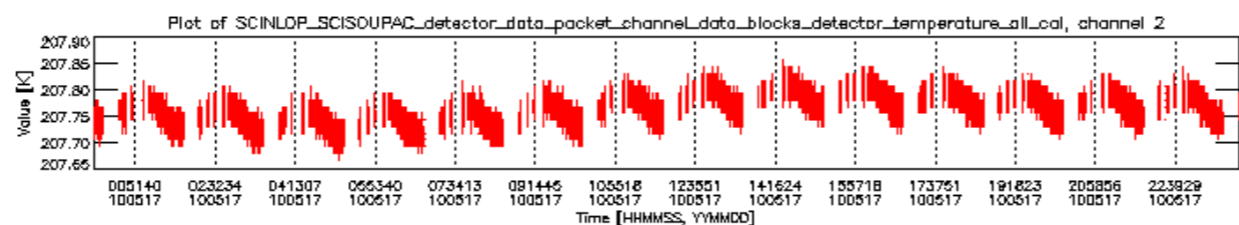
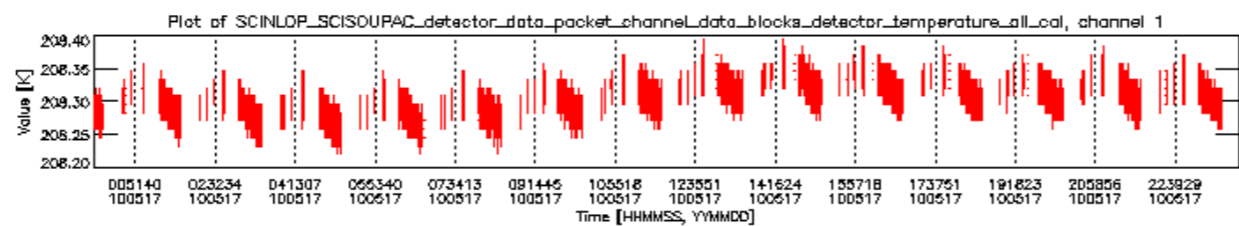
sciamachy_daily_report_level0_Any_version_20100517_8.PNG

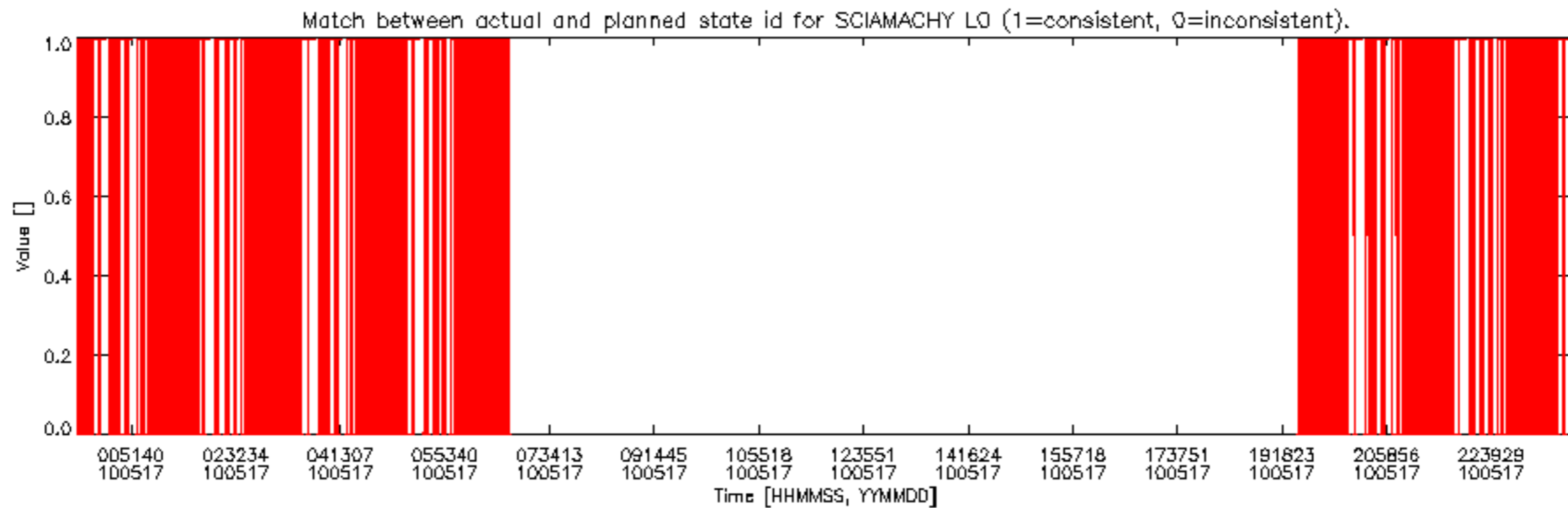
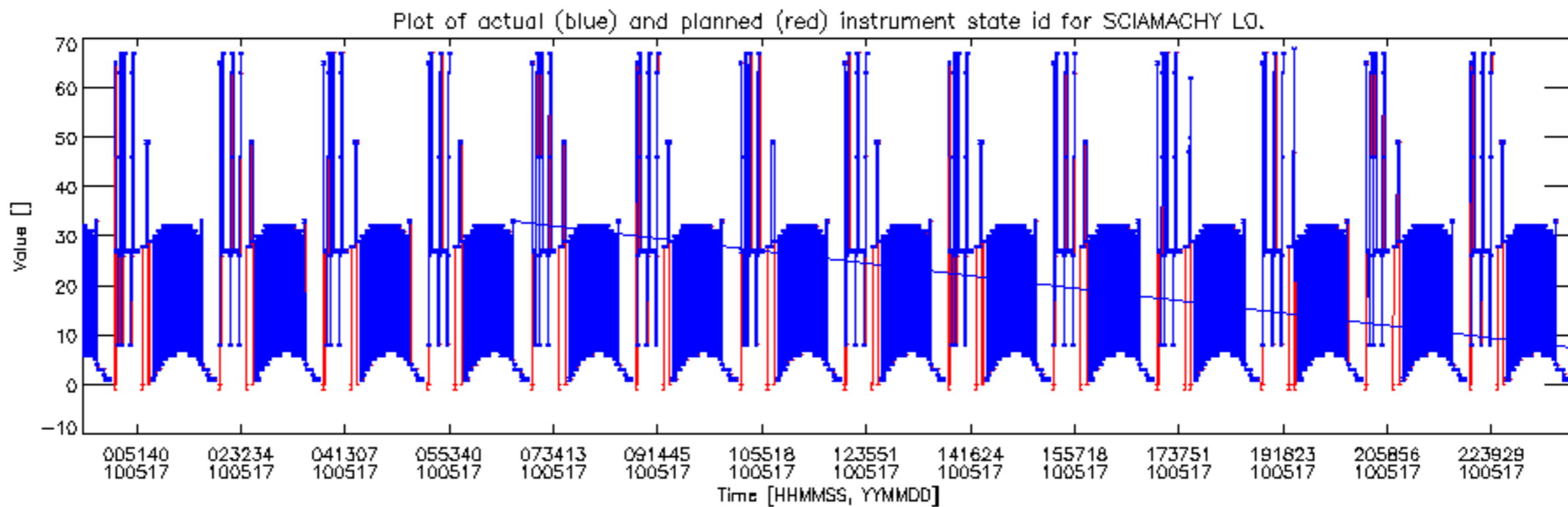












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