

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	02SEP2006 04:10:24
Data source version	PFHS/5.37-N
Processing scope for products	29AUG2006 00:00:00 to 30AUG2006 00:00:00
Start time of first product within scope	28AUG2006 23:47:03
Stop time of last product within scope	30AUG2006 00:56:38
Total number of level 0 products	16
Number of level 0 products with errors	16

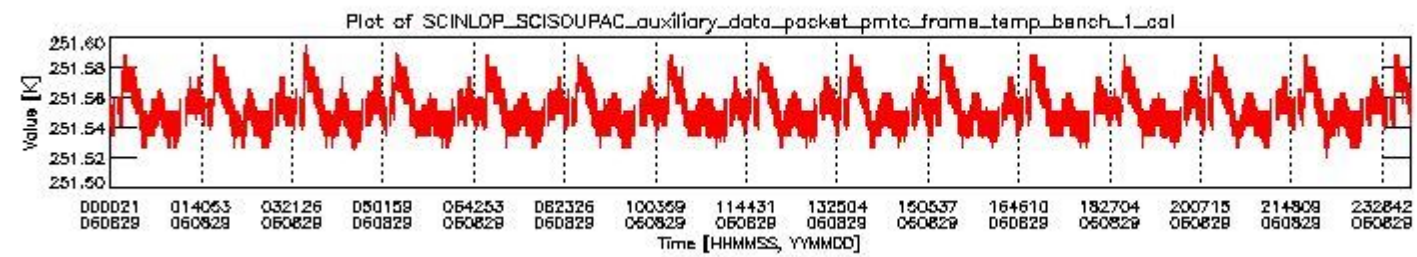
0.1.2 Summary per product

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

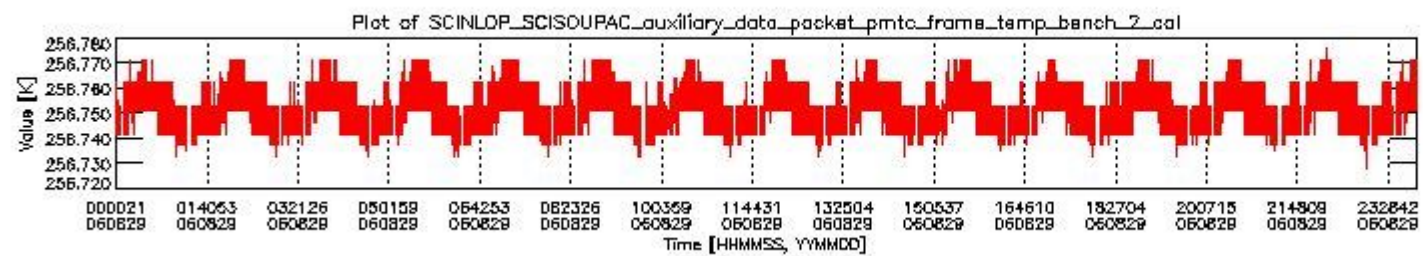
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060828_234703_000060652050_00402_23502_0456.N1	28AUG2006 23:47:03	29AUG2006 01:28:08	1	0	1	0	0
1	SCI_NL__OPNPDE20060829_012601_000043882050_00403_23503_0457.N1	29AUG2006 01:26:01	29AUG2006 02:39:09	1	0	1	0	0
2	SCI_NL__OPNPDE20060829_023909_000061602050_00404_23504_0458.N1	29AUG2006 02:39:09	29AUG2006 04:21:50	1	0	1	0	0
3	SCI_NL__OPNPDE20060829_042042_000061052050_00405_23505_0459.N1	29AUG2006 04:20:42	29AUG2006 06:02:27	1	0	1	0	0
4	SCI_NL__OPNPDK20060829_060131_000041572050_00406_23506_0570.N1	29AUG2006 06:01:31	29AUG2006 07:10:48	1	0	1	0	0
5	SCI_NL__OPNPDK20060829_071048_000061042050_00407_23507_0571.N1	29AUG2006 07:10:48	29AUG2006 08:52:33	1	0	1	0	0
6	SCI_NL__OPNPDK20060829_085233_000058432050_00408_23508_0572.N1	29AUG2006 08:52:33	29AUG2006 10:29:57	1	0	1	0	0
7	SCI_NL__OPNPDK20060829_102901_000059802050_00409_23509_0573.N1	29AUG2006 10:29:01	29AUG2006 12:08:41	1	0	1	0	0
8	SCI_NL__OPNPDK20060829_120841_000060922050_00410_23510_0574.N1	29AUG2006 12:08:41	29AUG2006 13:50:13	1	0	1	0	0
9	SCI_NL__OPNPDK20060829_134905_000057312050_00411_23511_0575.N1	29AUG2006 13:49:05	29AUG2006 15:24:36	1	0	1	0	0
10	SCI_NL__OPNPDK20060829_152232_000061602050_00412_23512_0576.N1	29AUG2006 15:22:32	29AUG2006 17:05:13	1	0	1	0	0
11	SCI_NL__OPNPDK20060829_170404_000059752050_00413_23513_0577.N1	29AUG2006 17:04:04	29AUG2006 18:43:39	1	0	1	0	0
12	SCI_NL__OPNPDK20060829_184244_000061172050_00414_23514_0578.N1	29AUG2006 18:42:44	29AUG2006 20:24:41	1	0	1	0	0
13	SCI_NL__OPNPDE20060829_202249_000042282050_00415_23515_0460.N1	29AUG2006 20:22:49	29AUG2006 21:33:18	1	0	1	0	0
14	SCI_NL__OPNPDE20060829_213244_000061682050_00415_23515_0461.N1	29AUG2006 21:32:44	29AUG2006 23:15:33	1	0	1	0	0
15	SCI_NL__OPNPDE20060829_231446_000061122050_00416_23516_0462.N1	29AUG2006 23:14:46	30AUG2006 00:56:38	1	0	1	0	0

0.2 Product Quality Indicators

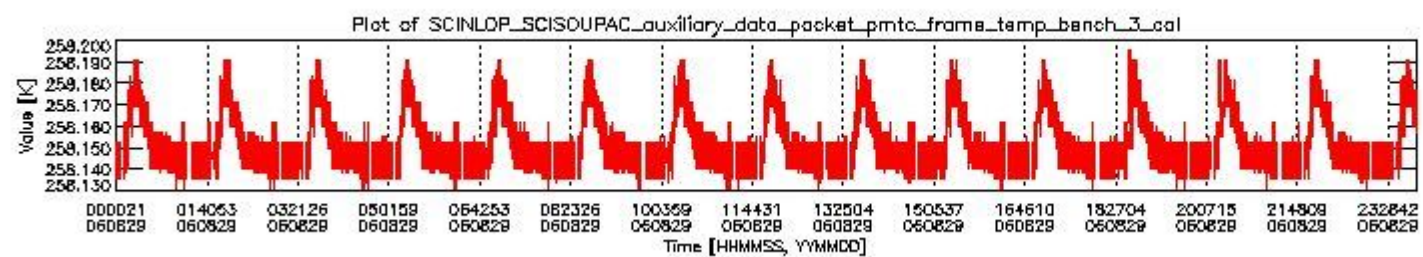
This section shows information about product quality, currently temperatures.



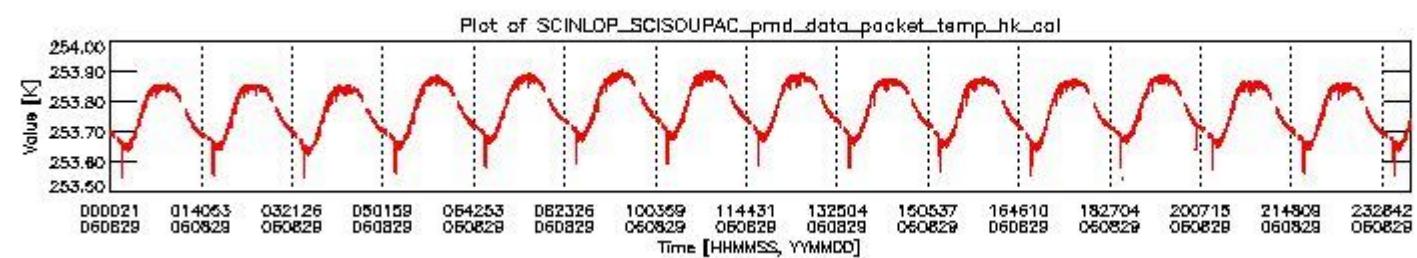
sciamachy_daily_report_level0_PFHS_5_37_N_20060829_0.PNG



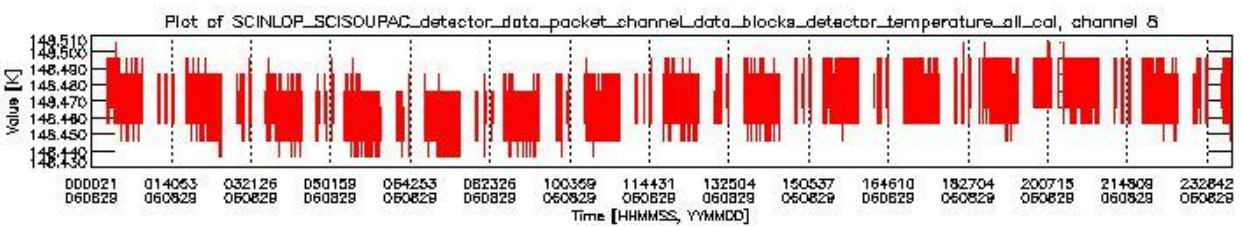
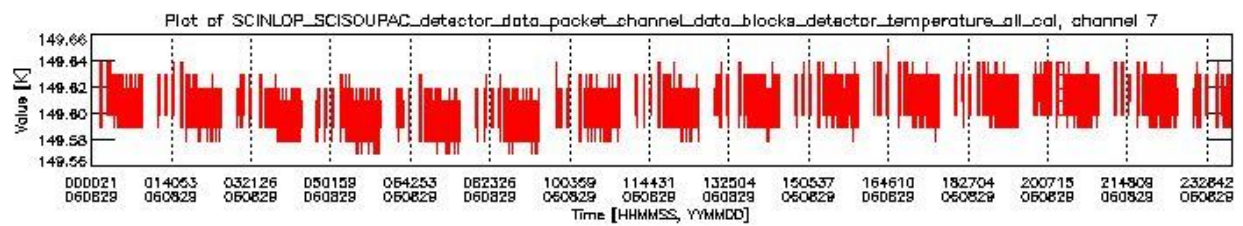
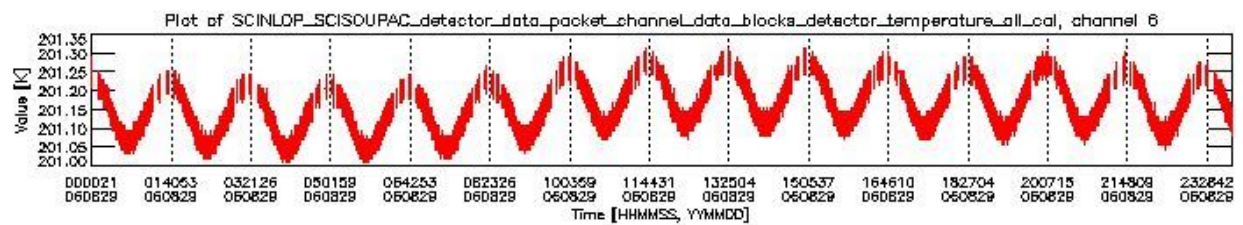
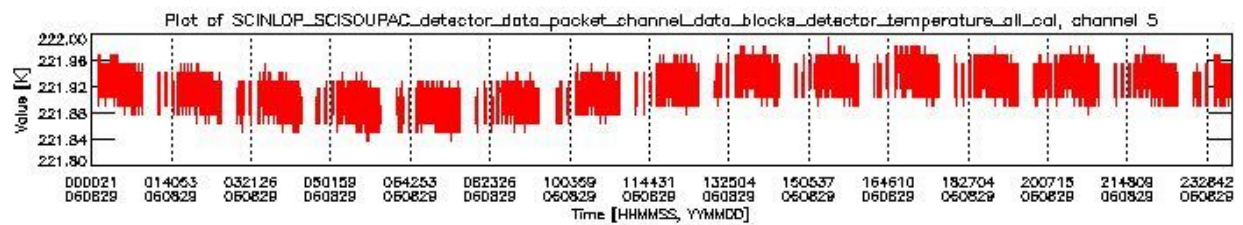
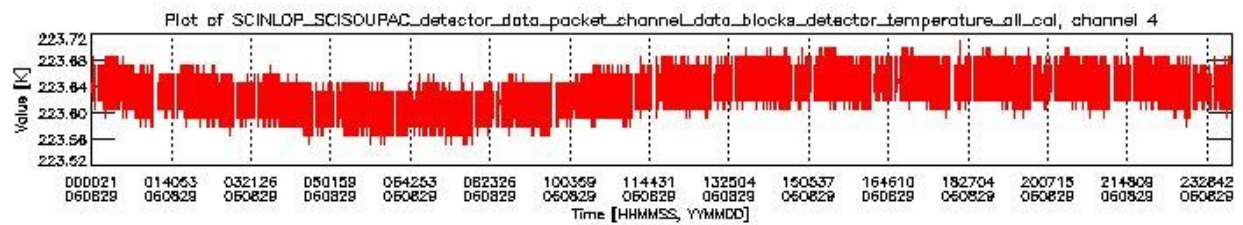
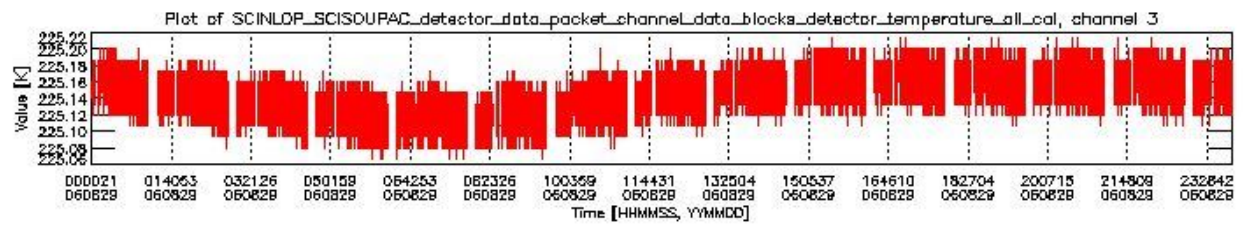
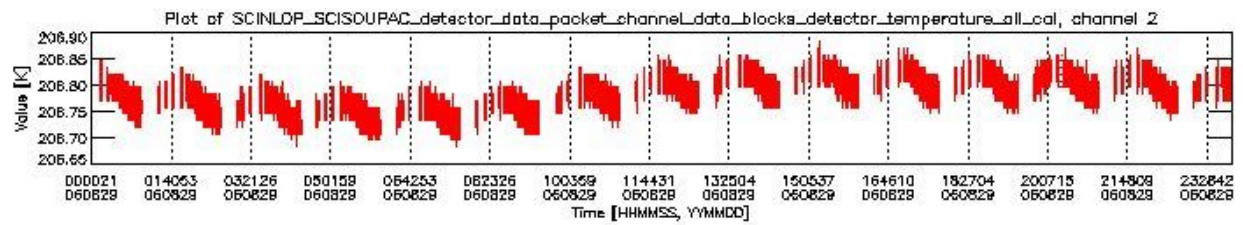
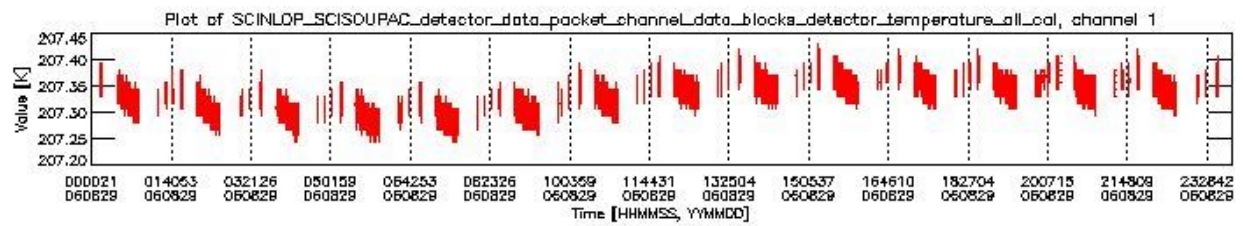
sciamachy_daily_report_level0_PFHS_5_37_N_20060829_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060829_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20060829_3.PNG

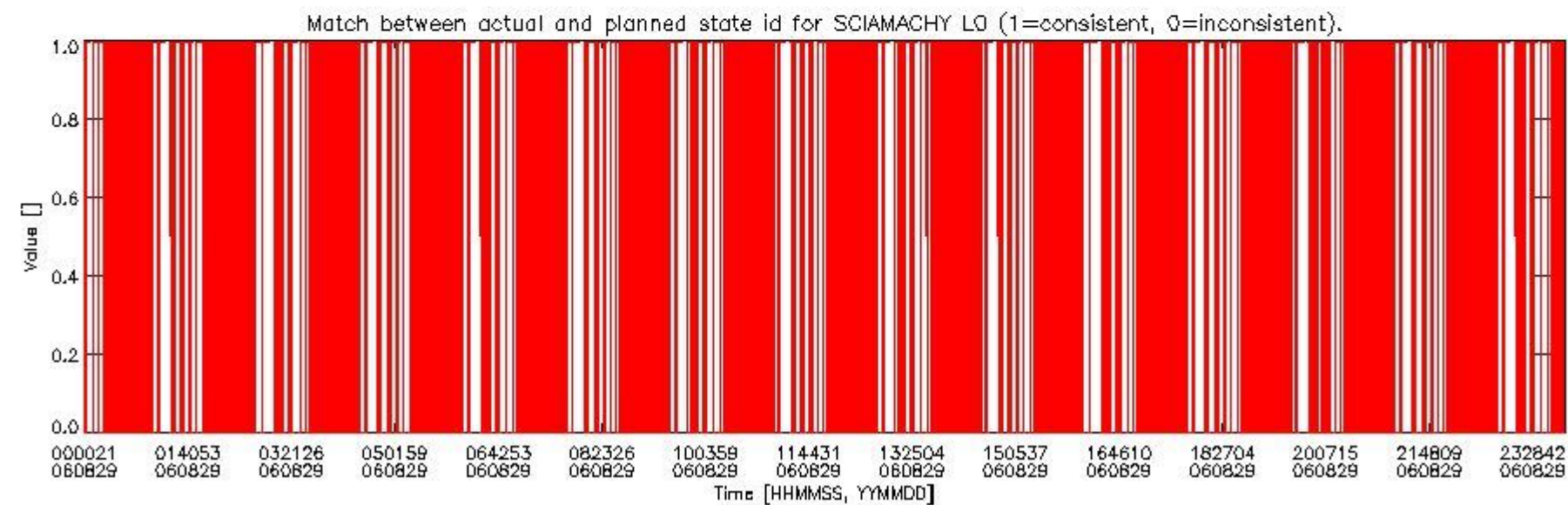
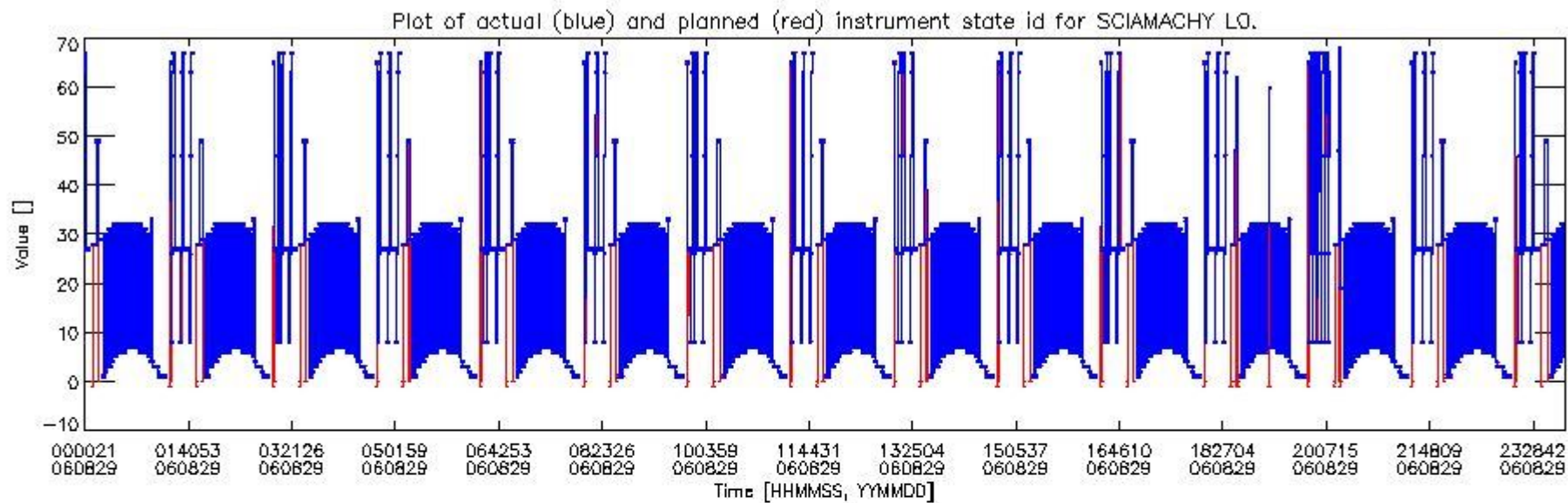


0.3 State monitoring

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: **3866**

#	Actual time	Actual value	Planned time	Planned value
0	29AUG2006 00:01:04.655896	27	29AUG2006 00:01:04.655896	67
1	29AUG2006 00:01:05.655890	27	29AUG2006 00:01:05.655890	67
2	29AUG2006 00:08:15.042577	28	29AUG2006 00:08:15.042577	0
3	29AUG2006 00:08:15.667599	28	29AUG2006 00:08:15.667599	0
4	29AUG2006 00:14:17.464430	29	29AUG2006 00:14:17.464430	0
5	29AUG2006 00:14:18.089451	29	29AUG2006 00:14:18.089451	0
6	29AUG2006 00:18:00.952697	1	29AUG2006 00:18:00.952697	29
7	29AUG2006 00:18:01.202705	1	29AUG2006 00:18:01.202705	29
8	29AUG2006 00:18:01.327710	1	29AUG2006 00:18:01.327710	29
9	29AUG2006 00:18:01.452714	1	29AUG2006 00:18:01.452714	29
10	29AUG2006 00:18:01.577718	1	29AUG2006 00:18:01.577718	29
11	29AUG2006 00:18:01.702723	1	29AUG2006 00:18:01.702723	29
12	29AUG2006 00:19:09.511287	30	29AUG2006 00:19:09.511287	1
13	29AUG2006 00:19:10.136308	30	29AUG2006 00:19:10.136308	1
14	29AUG2006 00:20:05.382398	2	29AUG2006 00:20:05.382398	30
15	29AUG2006 00:20:05.632366	2	29AUG2006 00:20:05.632366	30
16	29AUG2006 00:20:05.757371	2	29AUG2006 00:20:05.757371	30
17	29AUG2006 00:20:05.882375	2	29AUG2006 00:20:05.882375	30
18	29AUG2006 00:20:06.007379	2	29AUG2006 00:20:06.007379	30
19	29AUG2006 00:20:06.132384	2	29AUG2006 00:20:06.132384	30

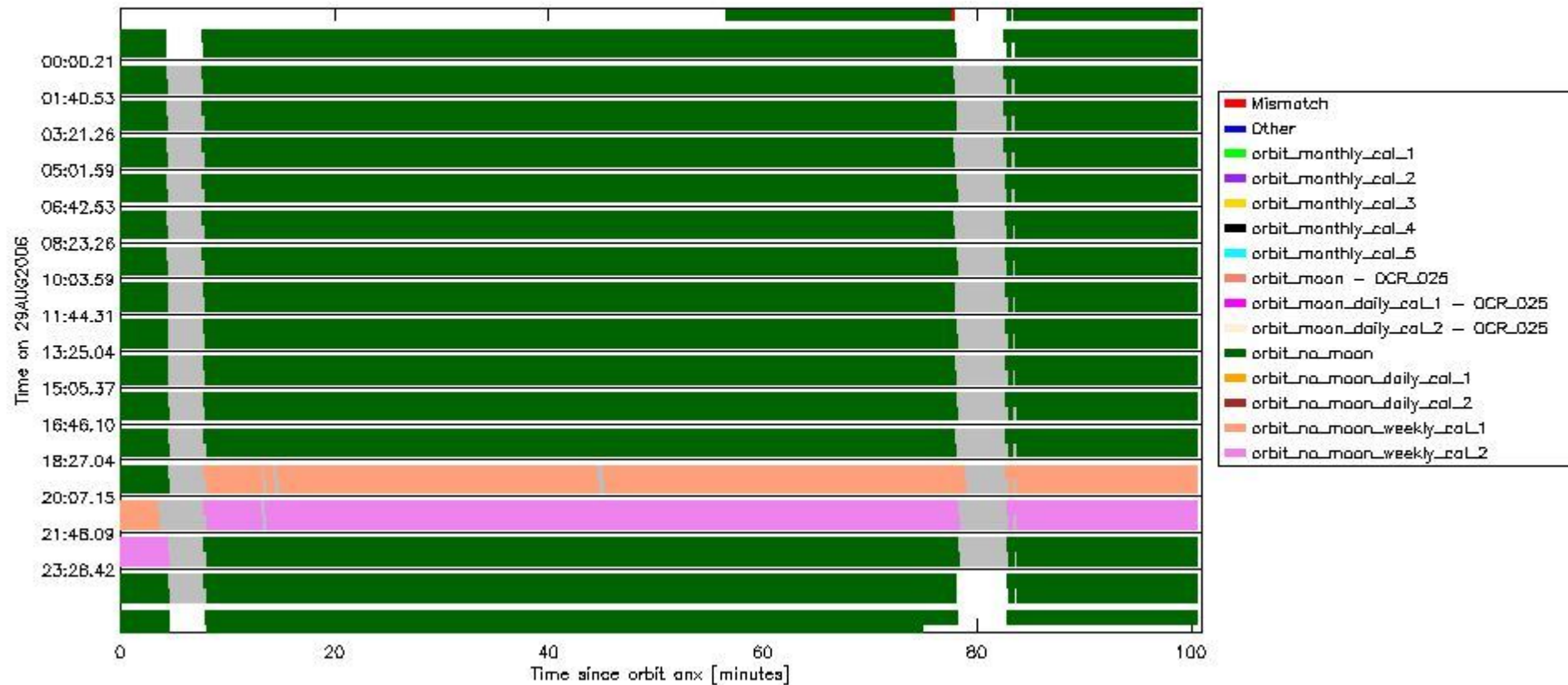


sciamachy_daily_report_level0_PFHS_5_37_N_20060829_5.PNG

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 29AUG2006.
 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_PFH5_5_37_N_20060829_6.PNG

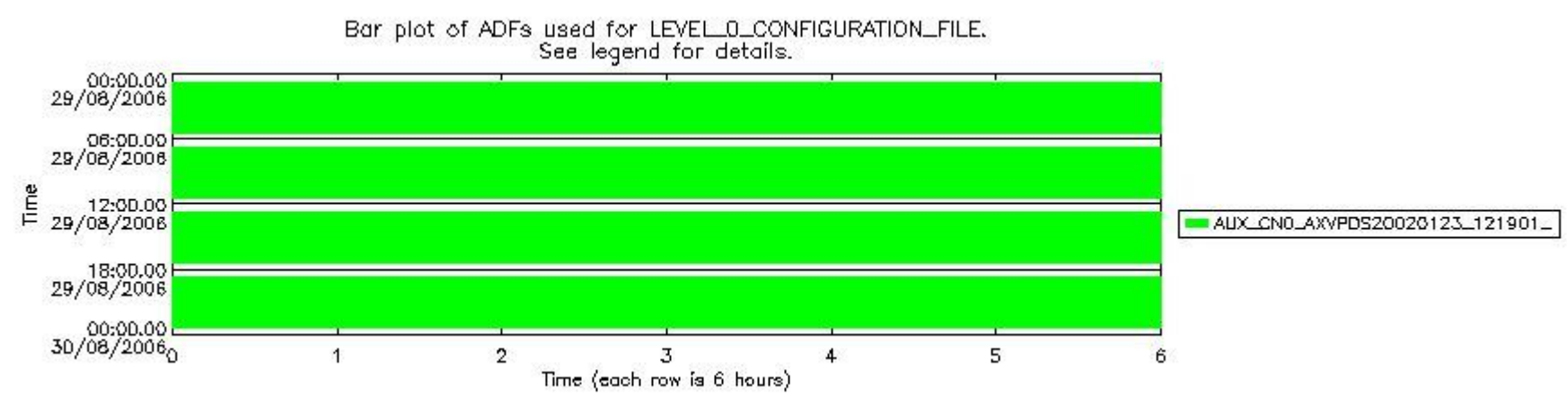
0.4 ADF monitoring

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

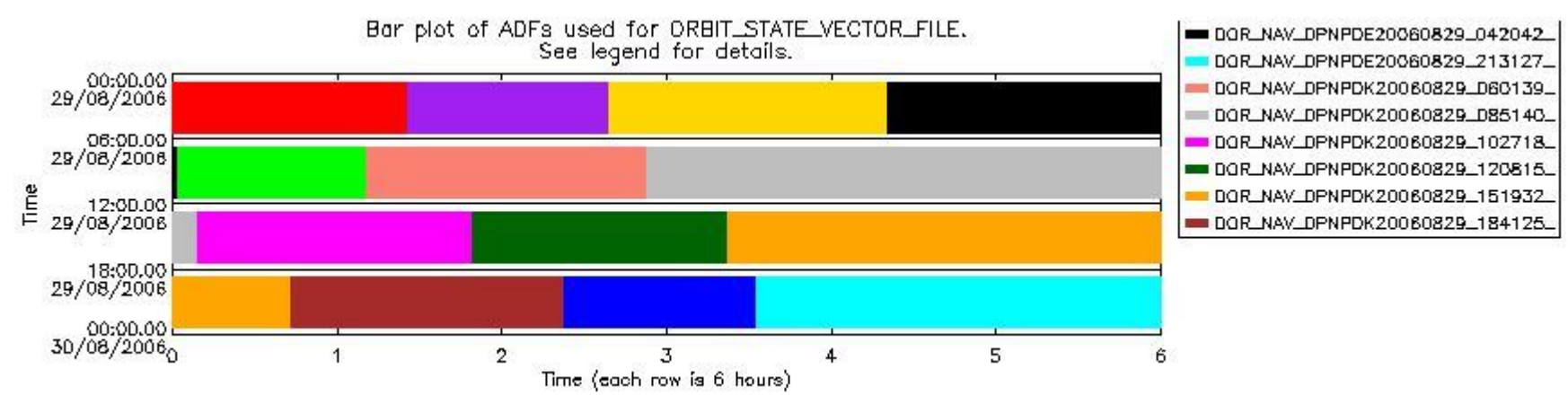
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

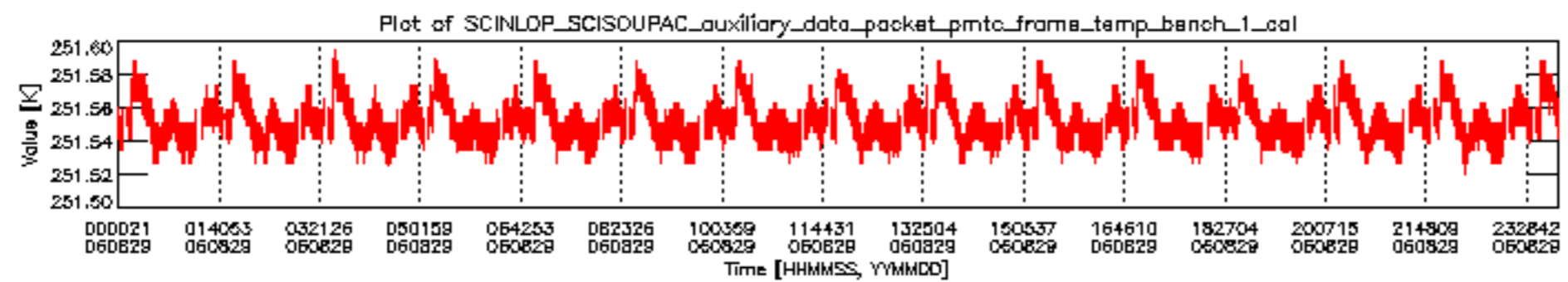
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20060827_224253_20060827_193011_20060906_205622
2	AUX_FPO_AXVPDS20060828_234930_20060828_185833_20060907_202445
3	DOR_NAV_OPNPDE20060828_220328_000057382050_00401_23501_0444.N1
4	DOR_NAV_OPNPDE20060828_234425_000057382050_00402_23502_0445.N1
5	DOR_NAV_OPNPDE20060829_023426_000060562050_00404_23504_0447.N1
6	DOR_NAV_OPNPDE20060829_042042_000057382050_00405_23505_0448.N1
7	DOR_NAV_OPNPDE20060829_213127_000057382050_00415_23515_0450.N1
8	DOR_NAV_OPNPDK20060829_060139_000038252050_00406_23506_0577.N1
9	DOR_NAV_OPNPDK20060829_085140_000054192050_00408_23508_0579.N1
10	DOR_NAV_OPNPDK20060829_102718_000057382050_00409_23509_0580.N1
11	DOR_NAV_OPNPDK20060829_120815_000054192050_00410_23510_0581.N1
12	DOR_NAV_OPNPDK20060829_151932_000057382050_00412_23512_0583.N1
13	DOR_NAV_OPNPDK20060829_184125_000057382050_00414_23514_0585.N1

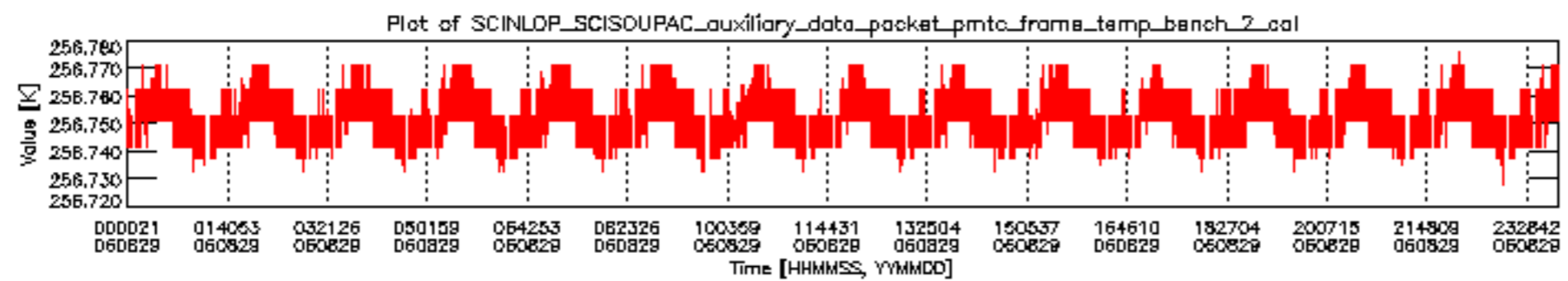


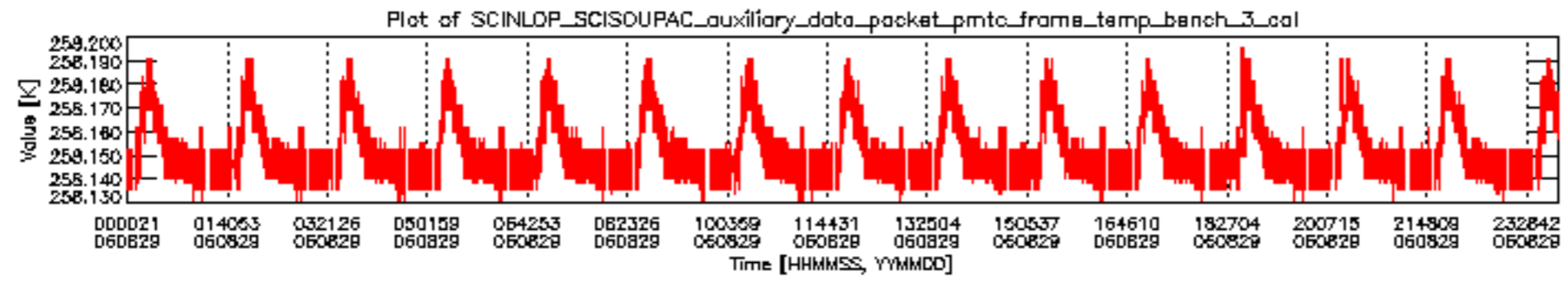
sciamachy_daily_report_level0_PPHS_5_37_N_20060829_7.PNG

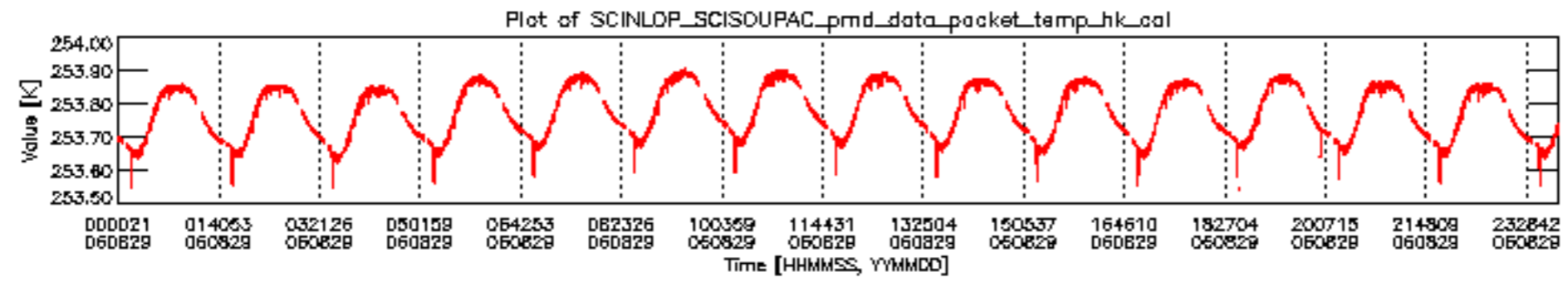


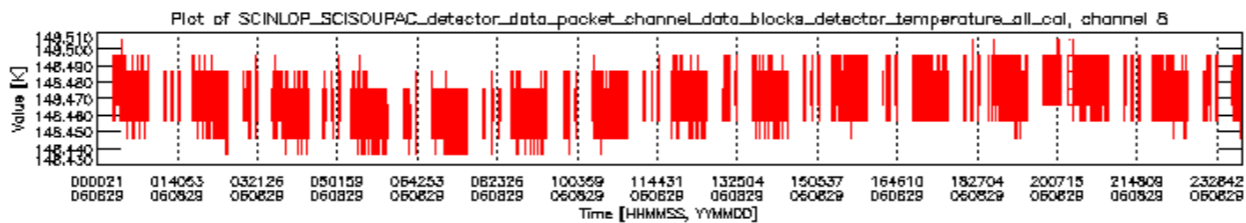
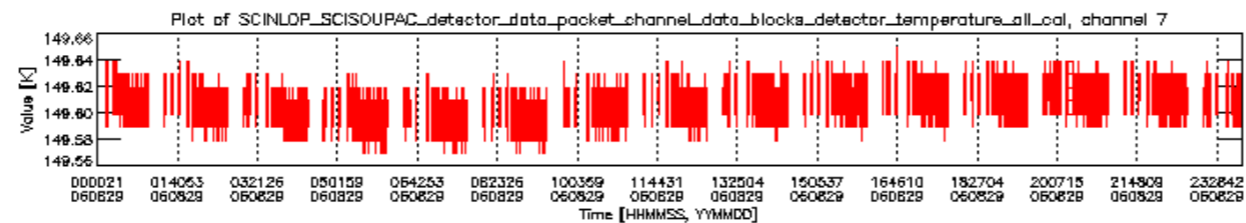
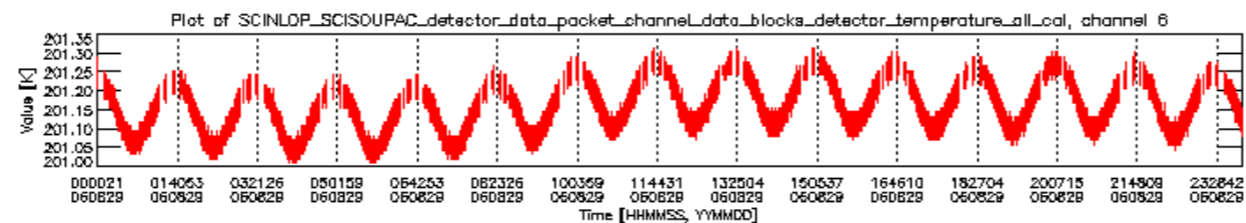
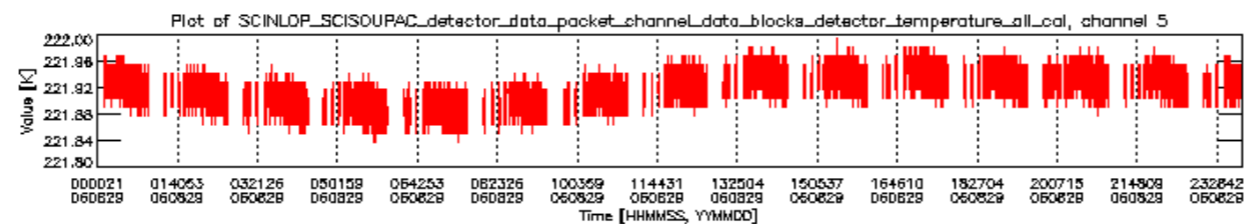
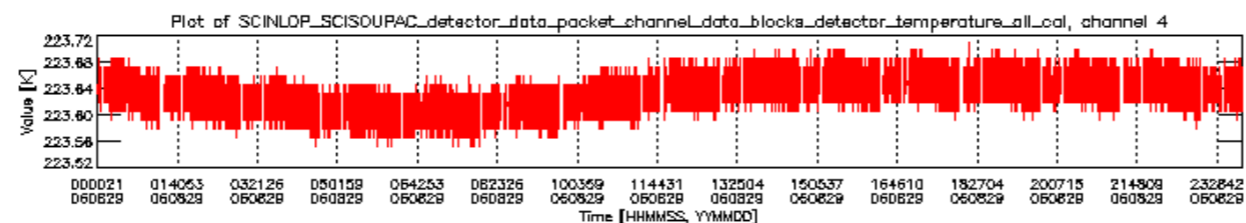
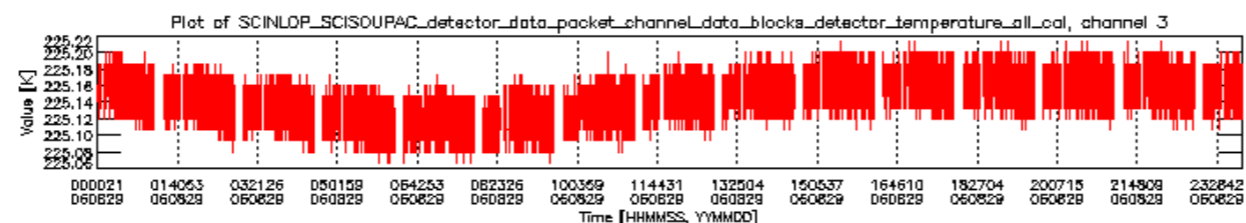
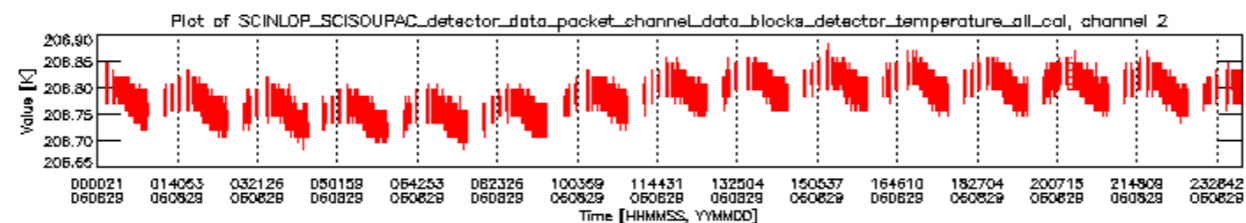
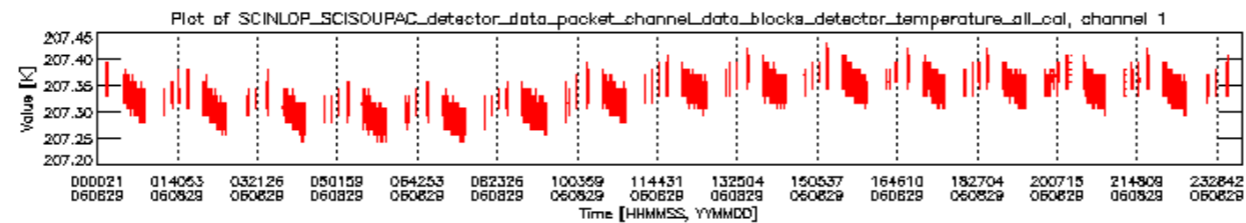
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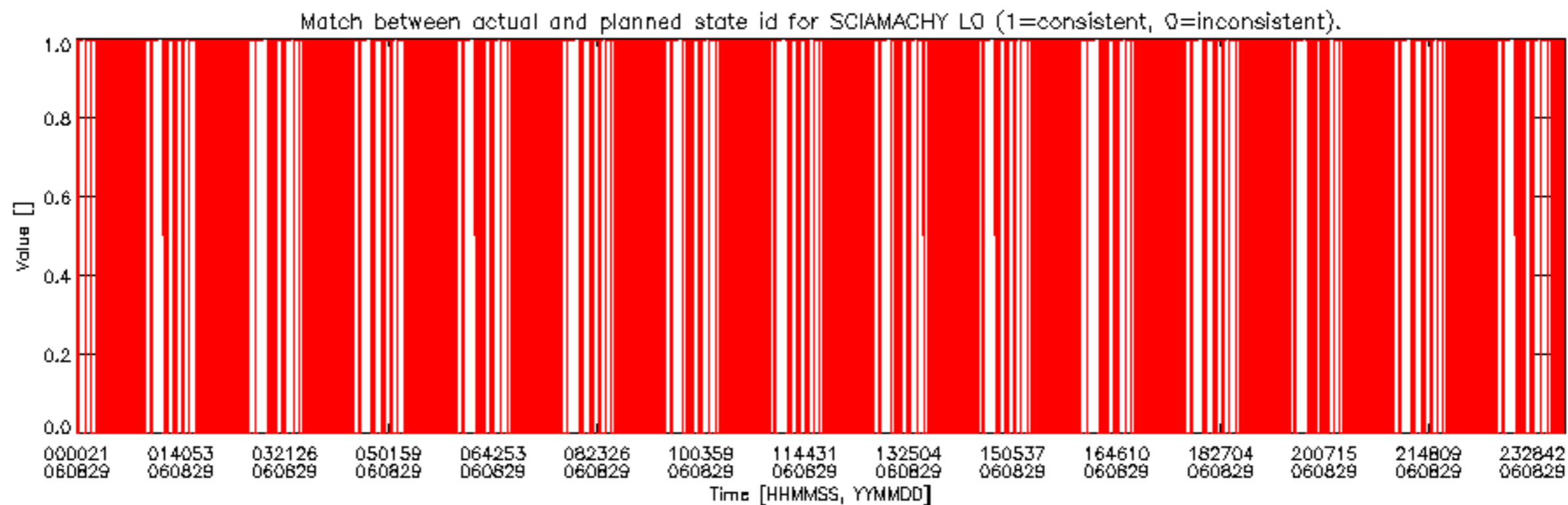
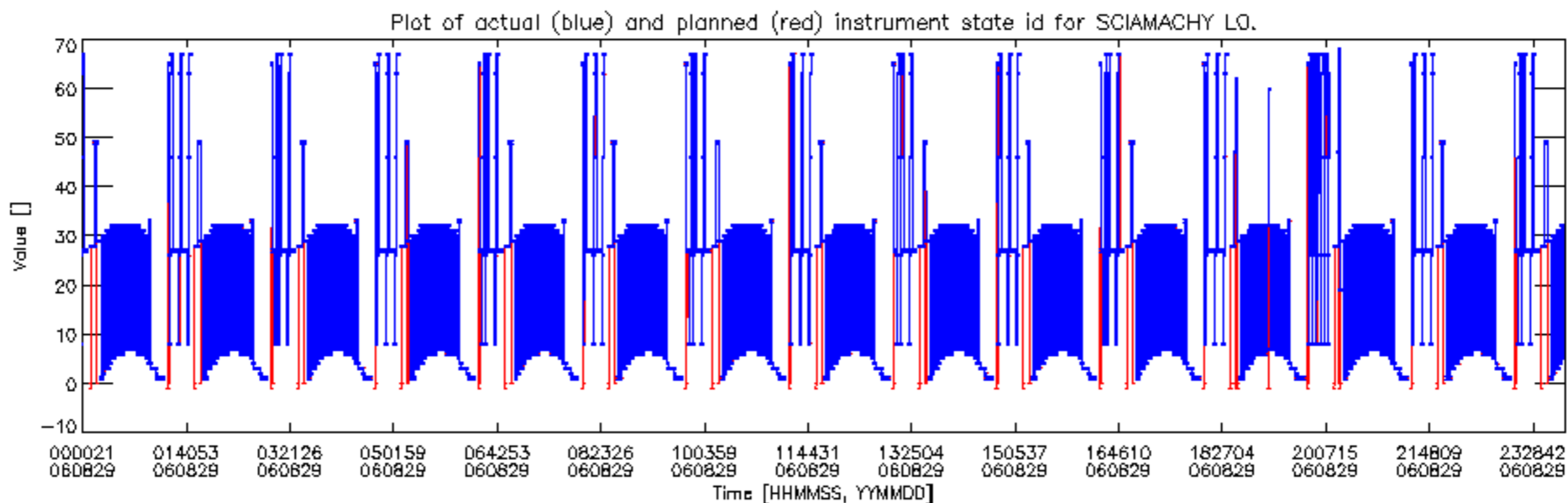












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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