

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	08NOV2006 14:44:04
Data source version	PFHS/5.37-N
Processing scope for products	06NOV2006 00:00:00 to 07NOV2006 00:00:00
Start time of first product within scope	06NOV2006 05:59:38
Stop time of last product within scope	06NOV2006 22:39:40
Total number of level 0 products	10
Number of level 0 products with errors	10

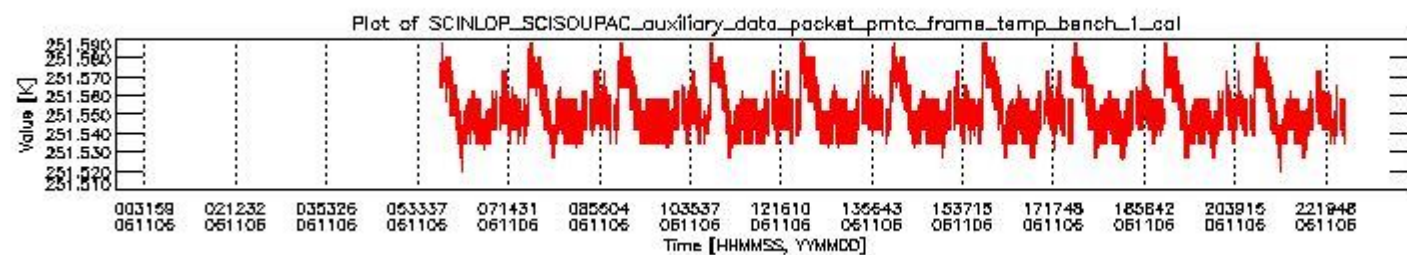
0.1.2 Summary per product

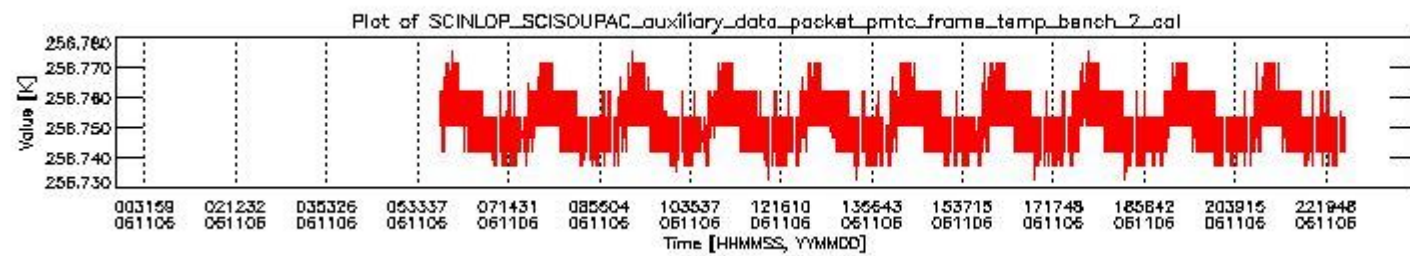
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20061106_055938_000062292052_00392_24494_1263.N1	06NOV2006 05:59:38	06NOV2006 07:43:27	1	0	1	0	0
1	SCI_NL__0PNPDK20061106_074327_000059672052_00393_24495_1264.N1	06NOV2006 07:43:27	06NOV2006 09:22:55	1	0	1	0	0
2	SCI_NL__0PNPDK20061106_092159_000060362052_00394_24496_1265.N1	06NOV2006 09:21:59	06NOV2006 11:02:35	1	0	1	0	0
3	SCI_NL__0PNPDK20061106_110127_000060482052_00395_24497_1266.N1	06NOV2006 11:01:27	06NOV2006 12:42:16	1	0	1	0	0
4	SCI_NL__0PNPDK20061106_124107_000059242052_00396_24498_1267.N1	06NOV2006 12:41:07	06NOV2006 14:19:52	1	0	1	0	0
5	SCI_NL__0PNPDK20061106_141856_000058982052_00397_24499_1268.N1	06NOV2006 14:18:56	06NOV2006 15:57:14	1	0	1	0	0
6	SCI_NL__0PNPDK20061106_155714_000059232052_00398_24500_1269.N1	06NOV2006 15:57:14	06NOV2006 17:35:58	1	0	1	0	0
7	SCI_NL__0PNPDK20061106_173502_000056822052_00399_24501_1270.N1	06NOV2006 17:35:02	06NOV2006 19:09:44	1	0	1	0	0
8	SCI_NL__0PNPDK20061106_190944_000063342052_00400_24502_1273.N1	06NOV2006 19:09:44	06NOV2006 20:55:19	1	0	1	0	0
9	SCI_NL__0PNPDK20061106_205519_000062602052_00401_24503_1274.N1	06NOV2006 20:55:19	06NOV2006 22:39:40	1	0	1	0	0

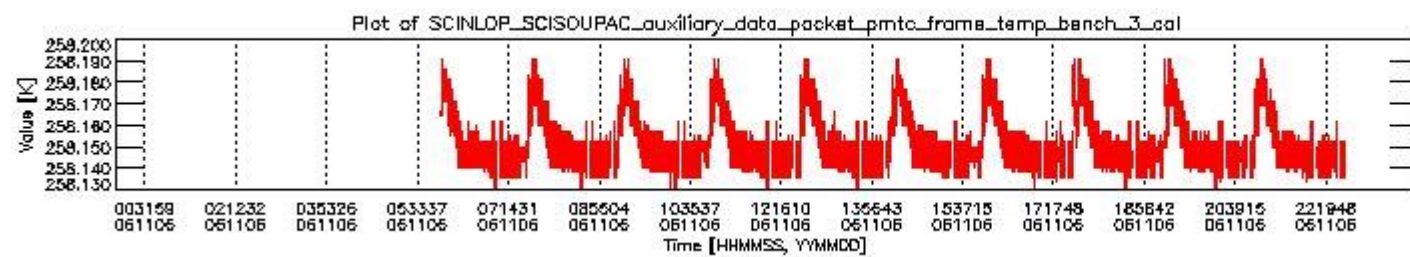
0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

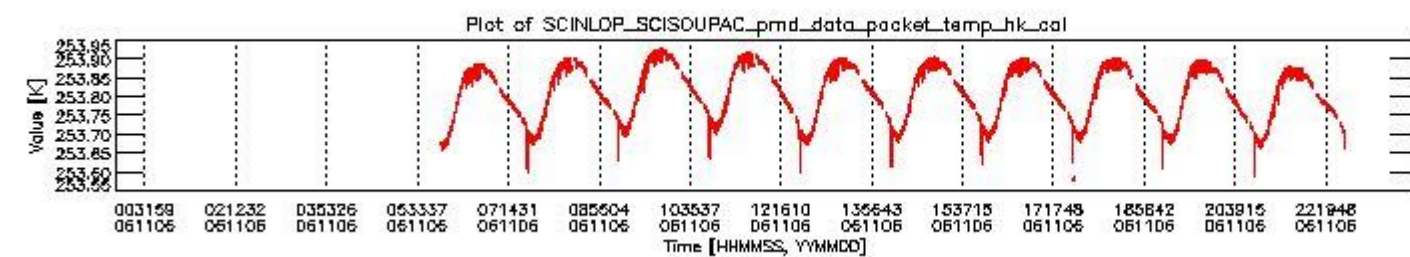




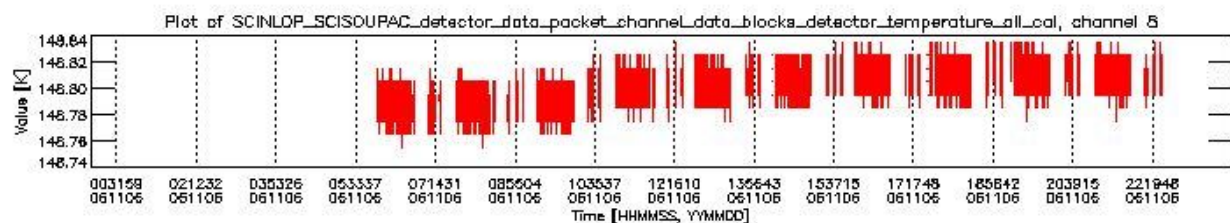
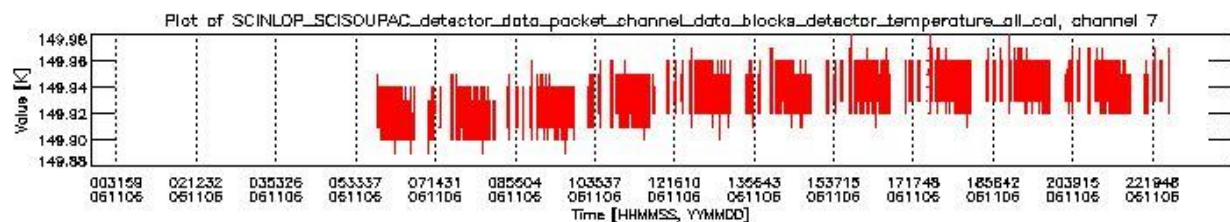
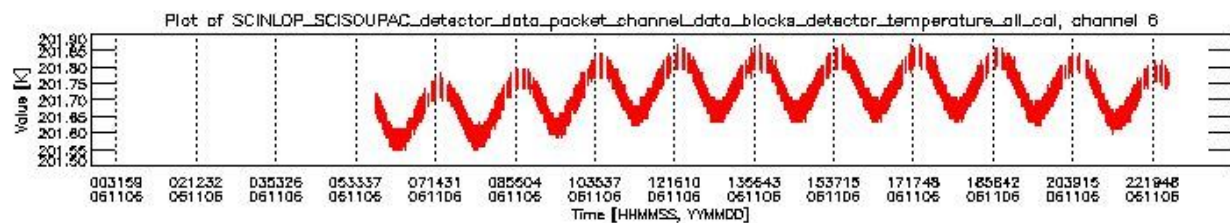
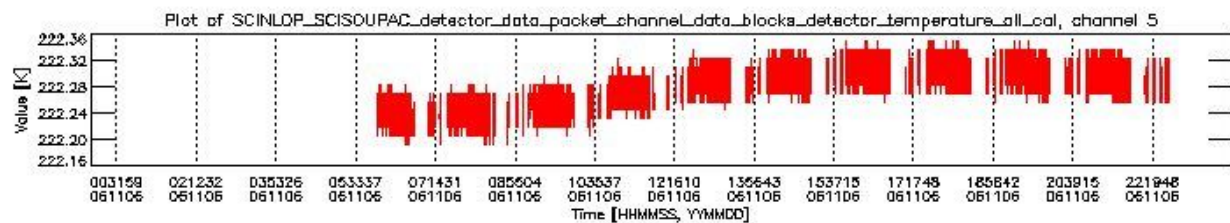
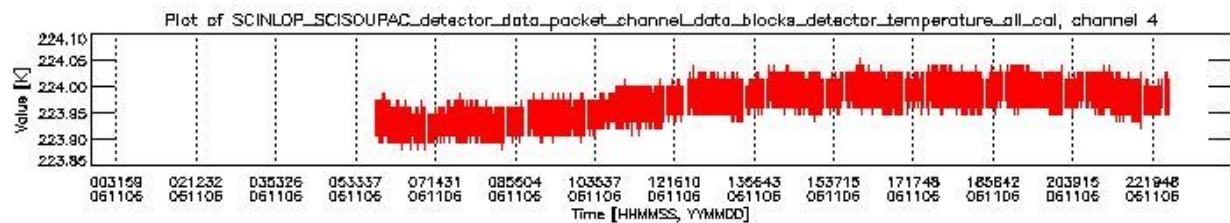
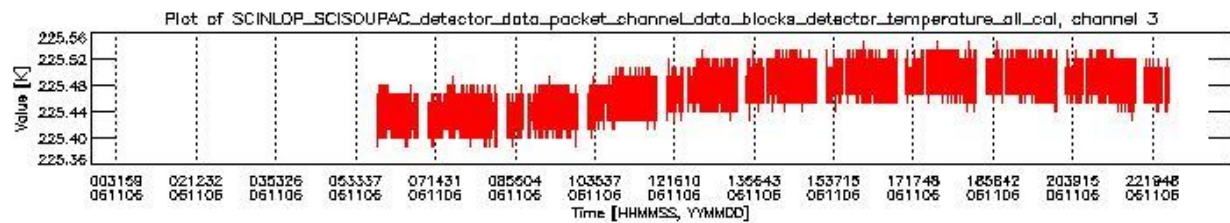
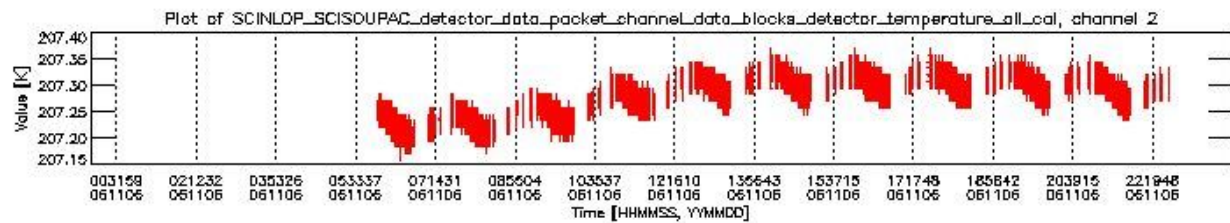
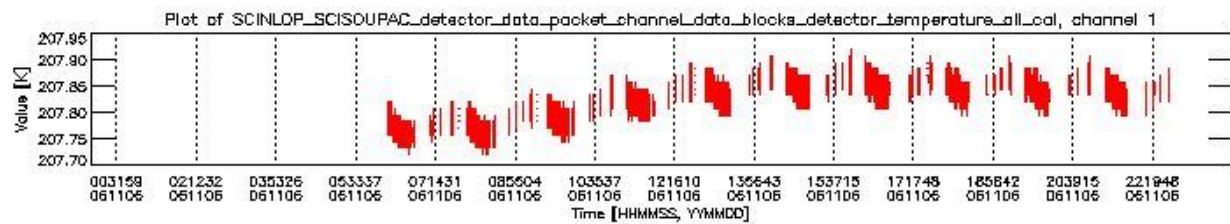
sciamachy_daily_report_level0_PFHS_5_37_N_20061106_1.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061106_2.PNG



sciamachy_daily_report_level0_PFHS_5_37_N_20061106_3.PNG

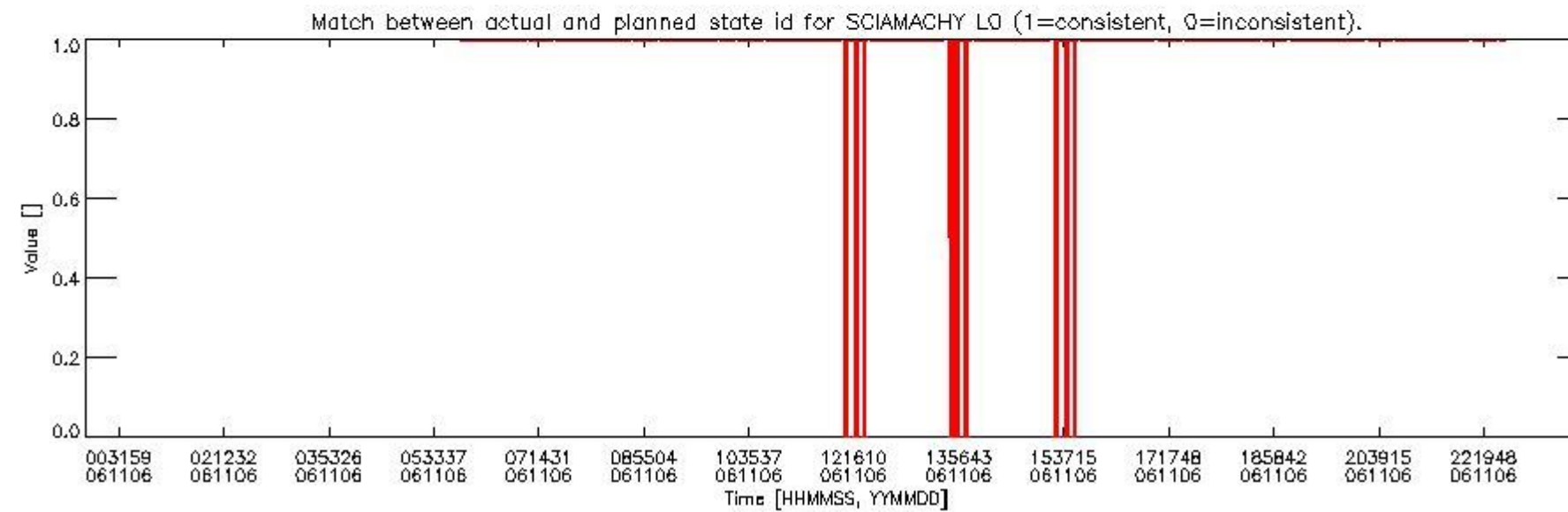
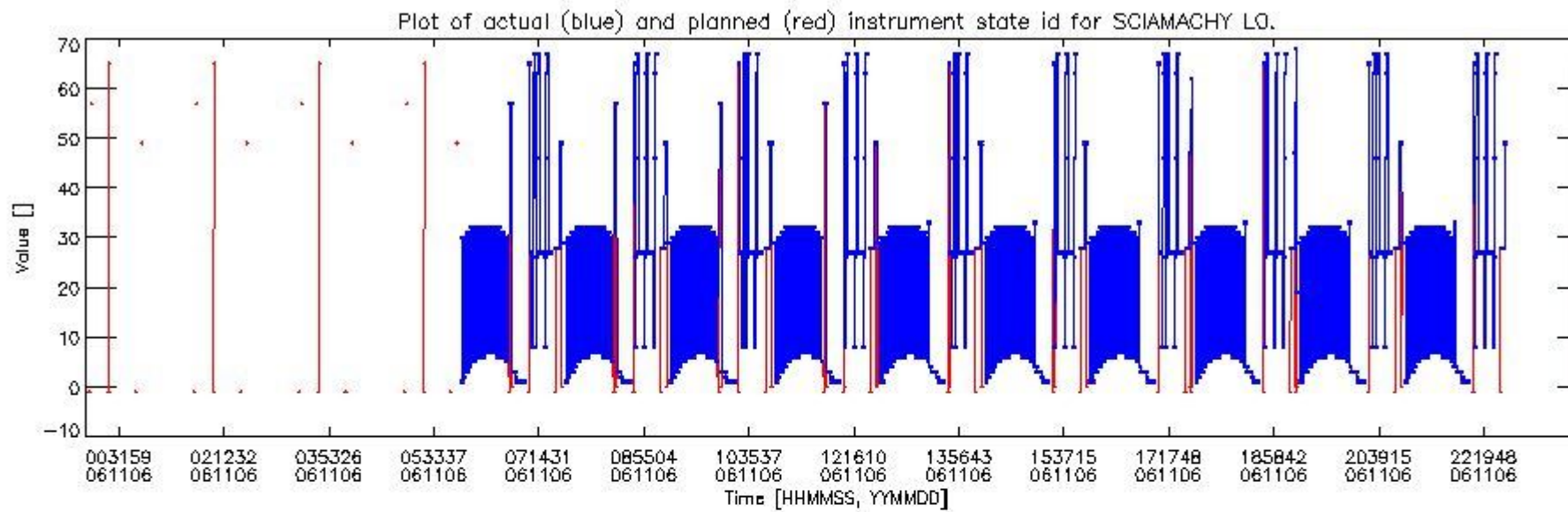


0.3 State monitoring

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: **52**

#	Actual time	Actual value	Planned time	Planned value
0	06NOV2006 12:07:18.490561	8	06NOV2006 12:07:18.490561	0
1	06NOV2006 12:08:02.049166	26	06NOV2006 12:08:02.049166	8
2	06NOV2006 12:08:35.607744	46	06NOV2006 12:08:35.607744	26
3	06NOV2006 12:08:49.162449	63	06NOV2006 12:08:49.162449	46
4	06NOV2006 12:09:22.724930	67	06NOV2006 12:09:22.724930	63
5	06NOV2006 12:10:46.283519	27	06NOV2006 12:10:46.283519	67
6	06NOV2006 12:16:38.752257	8	06NOV2006 12:16:38.752257	27
7	06NOV2006 12:17:22.314765	26	06NOV2006 12:17:22.314765	8
8	06NOV2006 12:17:55.873344	46	06NOV2006 12:17:55.873344	26
9	06NOV2006 12:18:09.428048	63	06NOV2006 12:18:09.428048	46
10	06NOV2006 12:18:42.990529	67	06NOV2006 12:18:42.990529	63
11	06NOV2006 12:20:06.553021	27	06NOV2006 12:20:06.553021	67
12	06NOV2006 12:25:14.959274	8	06NOV2006 12:25:14.959274	27
13	06NOV2006 12:25:58.517839	26	06NOV2006 12:25:58.517839	8
14	06NOV2006 12:26:32.080361	46	06NOV2006 12:26:32.080361	26
15	06NOV2006 12:26:45.638927	63	06NOV2006 12:26:45.638927	46
16	06NOV2006 12:27:19.197546	67	06NOV2006 12:27:19.197546	63
17	06NOV2006 13:47:54.751966	27	06NOV2006 13:47:54.751966	0
18	06NOV2006 13:50:06.927712	8	06NOV2006 13:50:06.927712	27
19	06NOV2006 13:50:50.486317	26	06NOV2006 13:50:50.486317	8
...

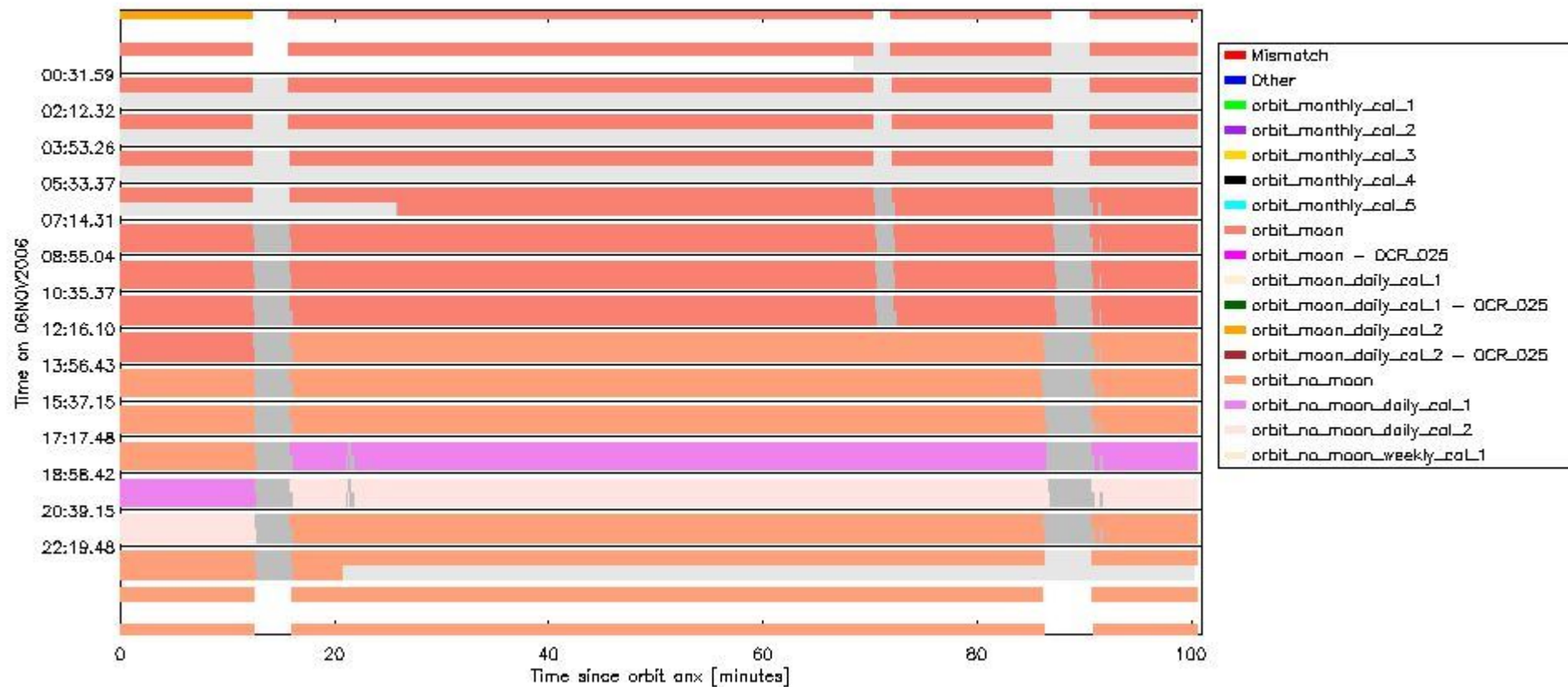


sciamachy_daily_report_level0_PFHS_5_37_N_20061106_5.PNG

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 06NOV2006.
 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_PFHS_5_37_N_20061106_6.PNG

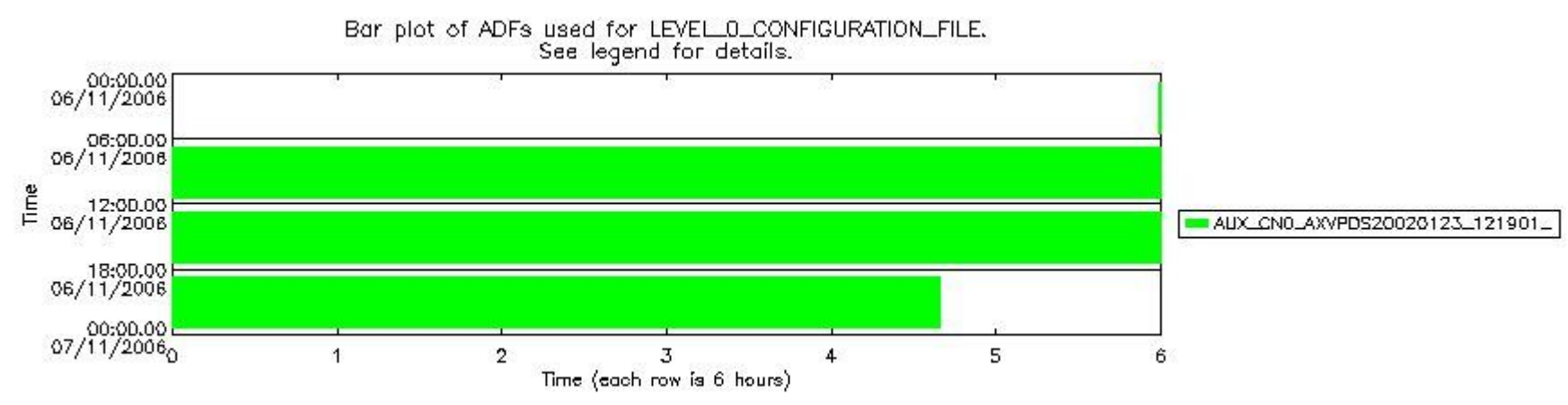
0.4 ADF monitoring

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

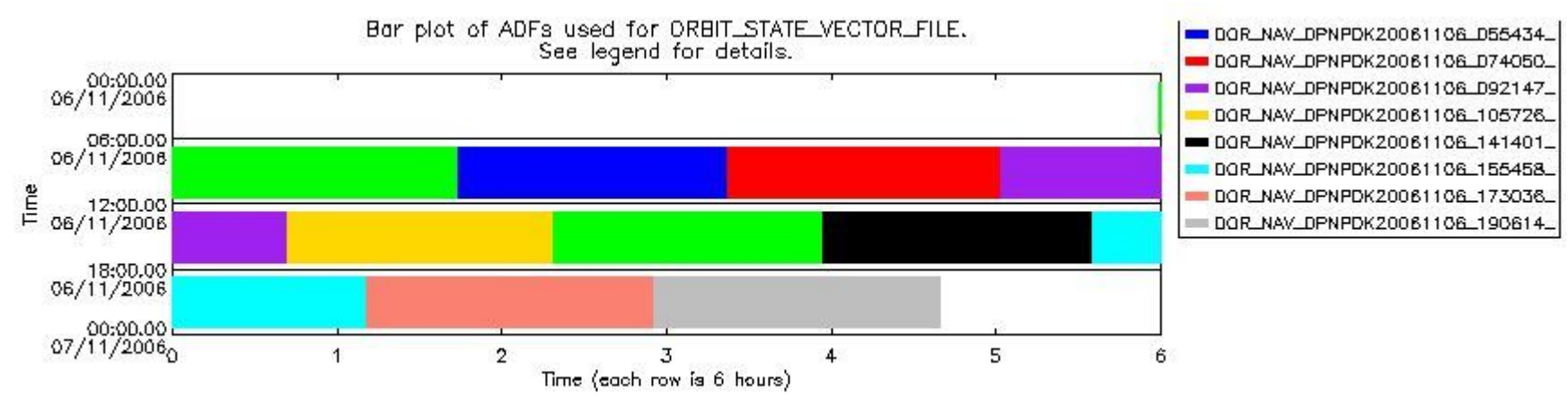
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

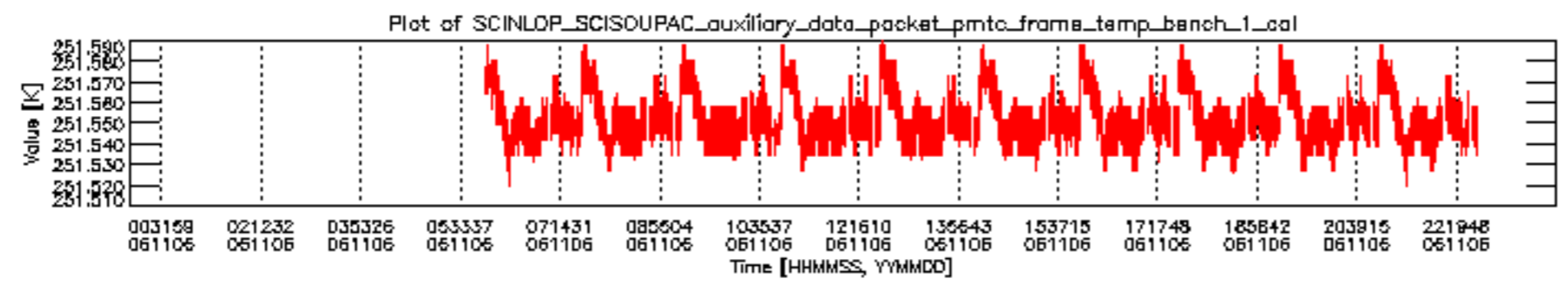
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20061105_230255_20061105_193012_20061115_205624
2	DOR_NAV_OPNPDK20061106_055434_000060572052_00392_24494_1318.N1
3	DOR_NAV_OPNPDK20061106_074050_000057382052_00393_24495_1319.N1
4	DOR_NAV_OPNPDK20061106_092147_000054192052_00394_24496_1320.N1
5	DOR_NAV_OPNPDK20061106_105726_000057382052_00395_24497_1321.N1
6	DOR_NAV_OPNPDK20061106_141401_000057382052_00397_24499_1323.N1
7	DOR_NAV_OPNPDK20061106_155458_000057382052_00398_24500_1324.N1
8	DOR_NAV_OPNPDK20061106_173036_000057382052_00399_24501_1325.N1
9	DOR_NAV_OPNPDK20061106_190614_000060572052_00400_24502_1326.N1

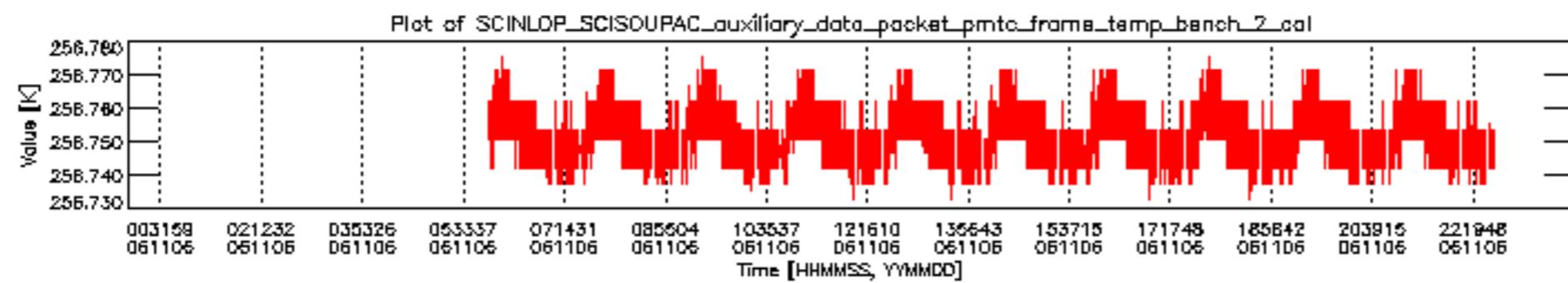


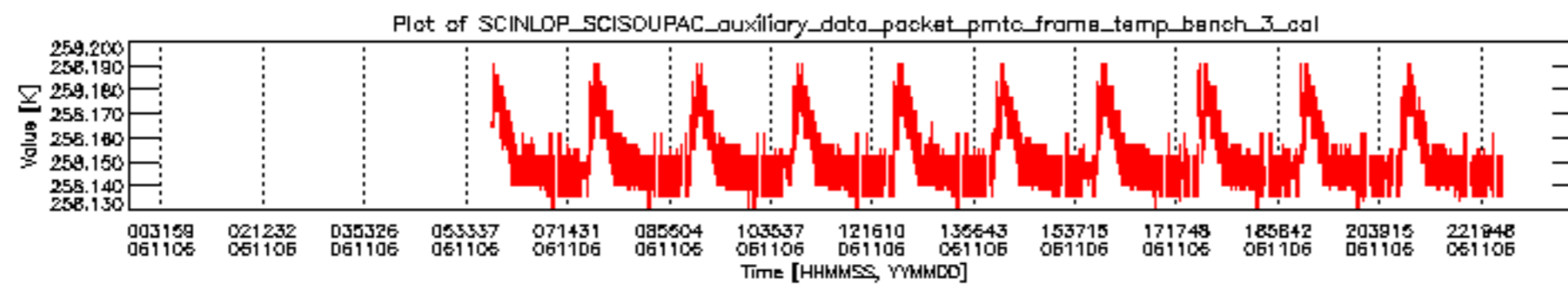
sciamachy_daily_report_level0_PFHS_5_37_N_20061106_7.PNG

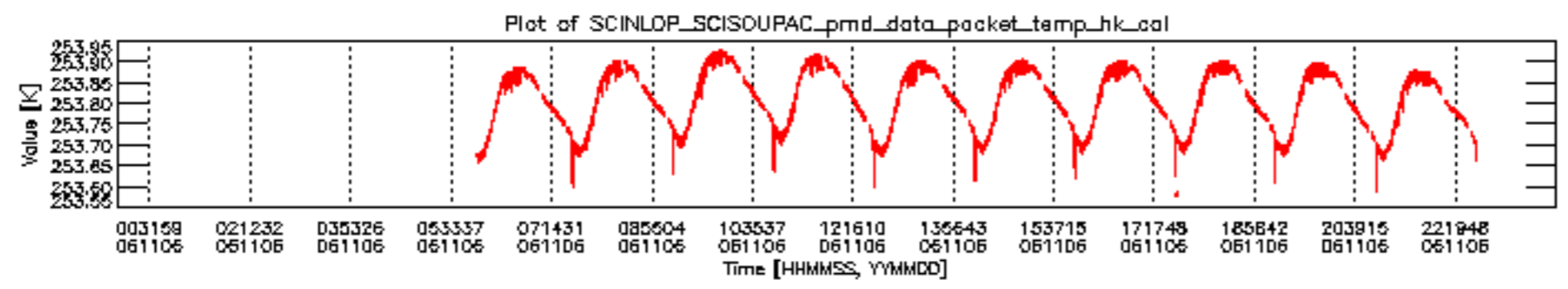


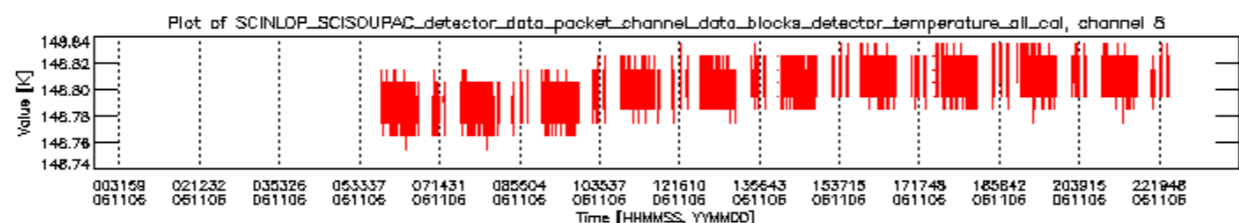
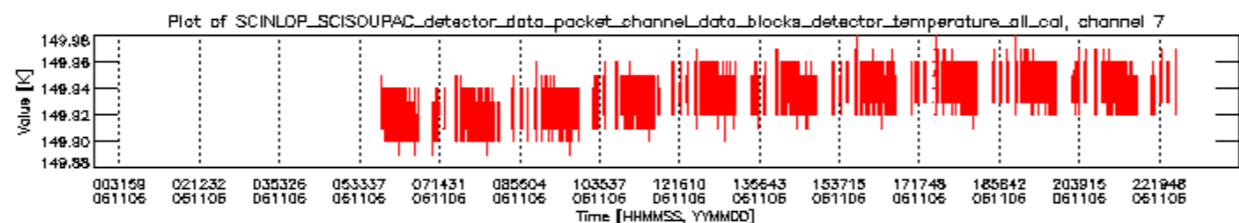
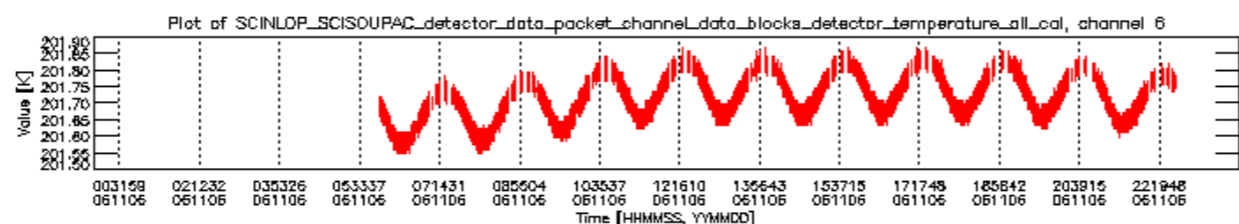
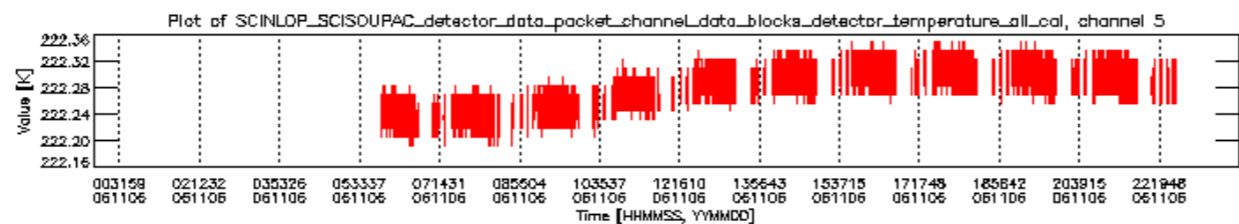
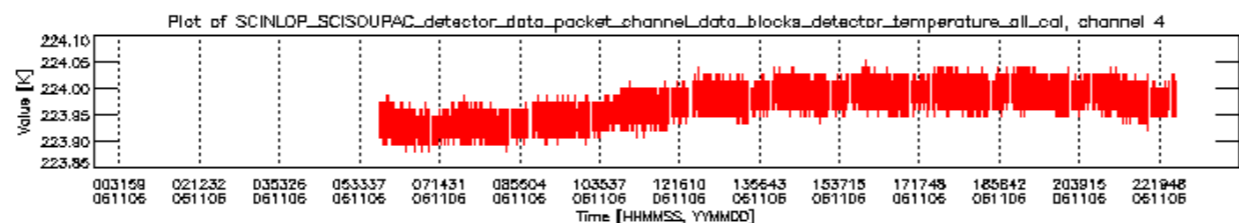
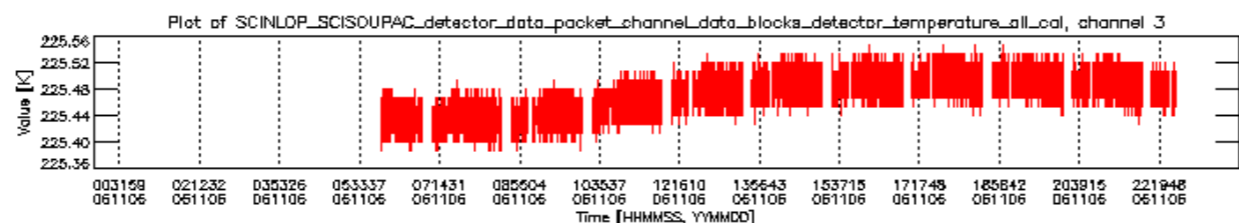
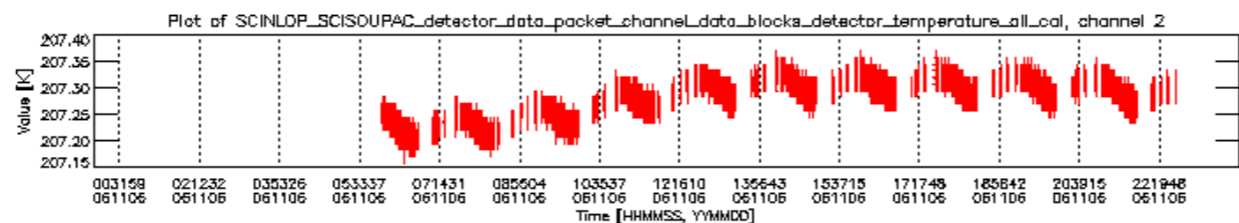
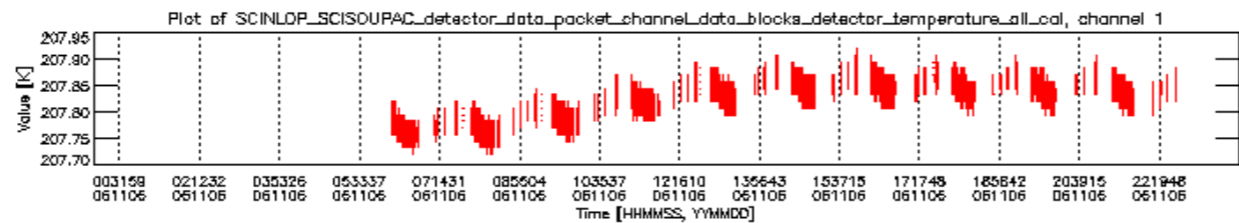
sciamachy_daily_report_level0_PFHS_5_37_N_20061106_8.PNG

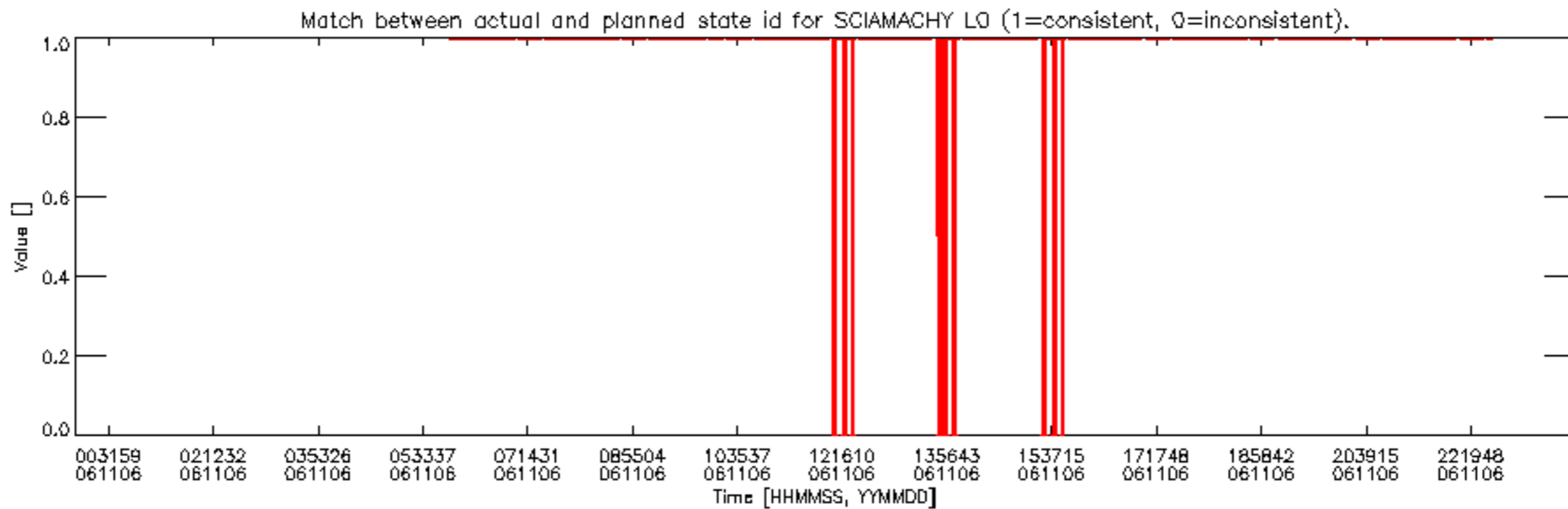
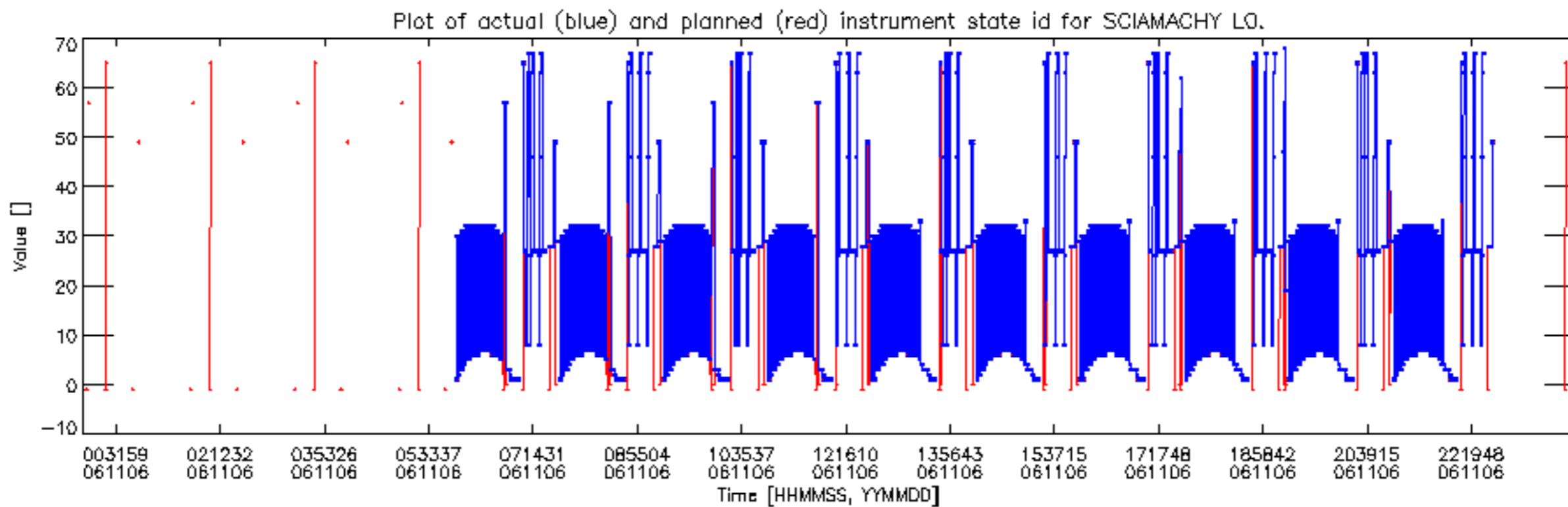




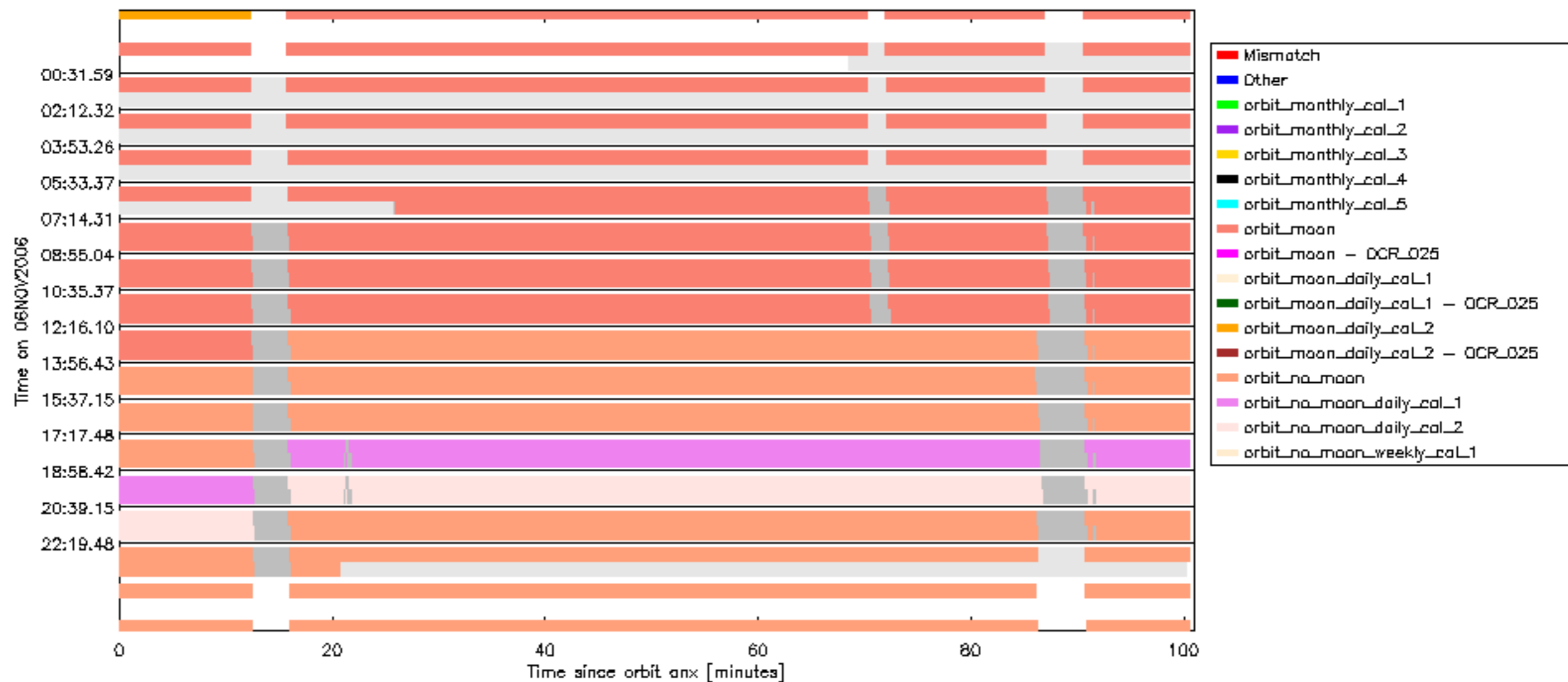


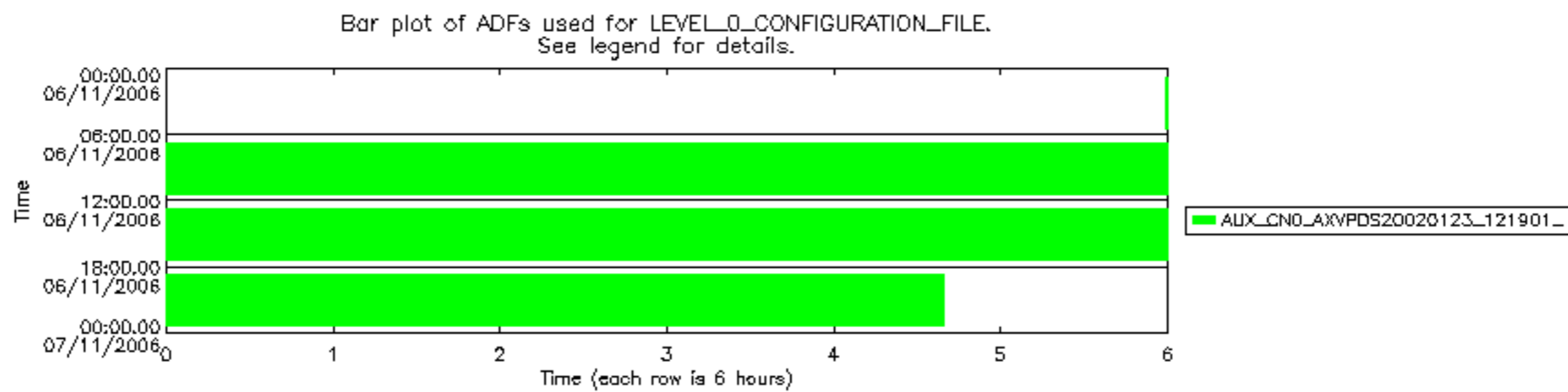


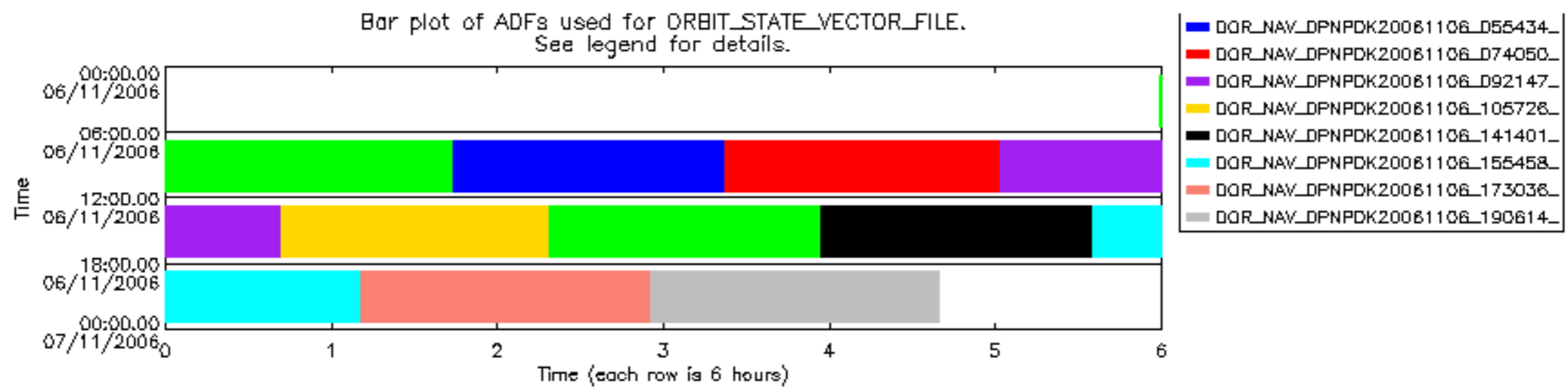


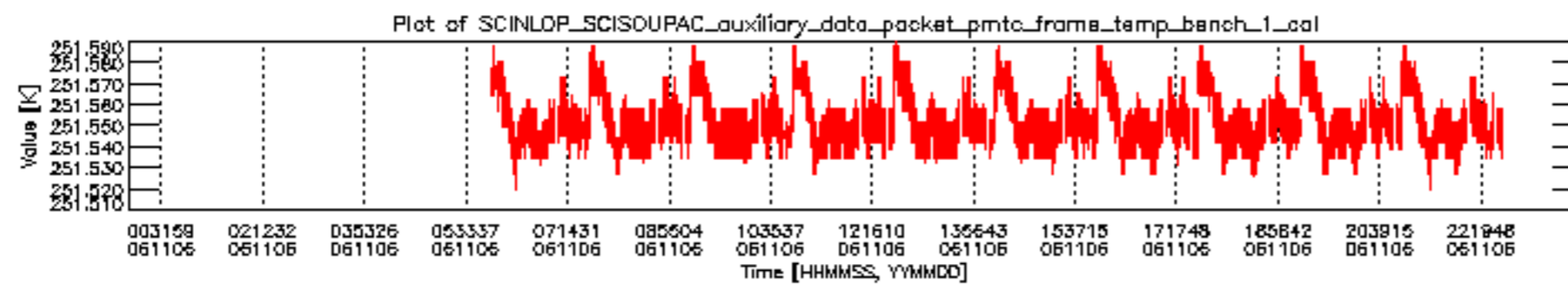


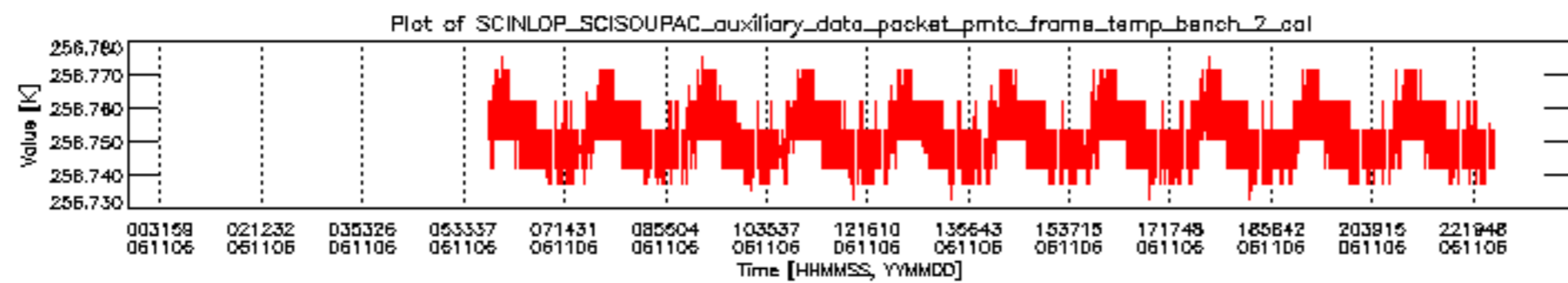
Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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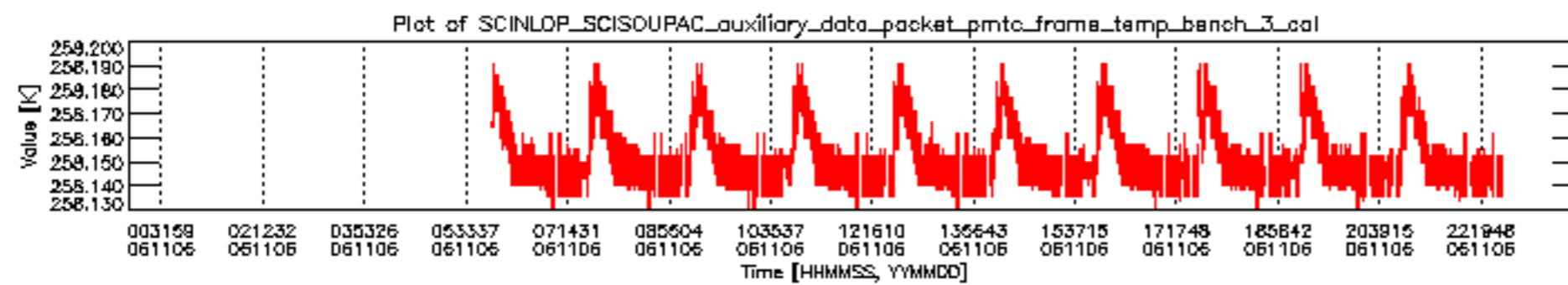


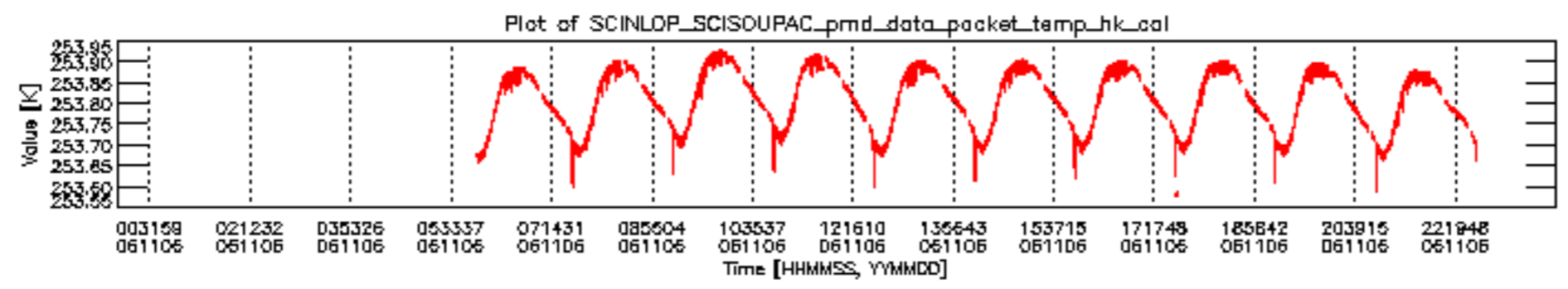


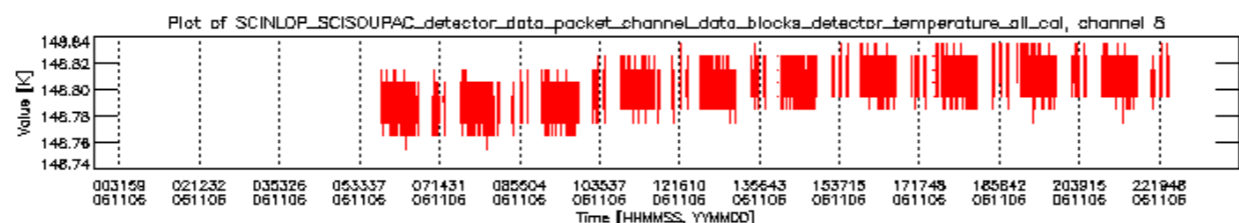
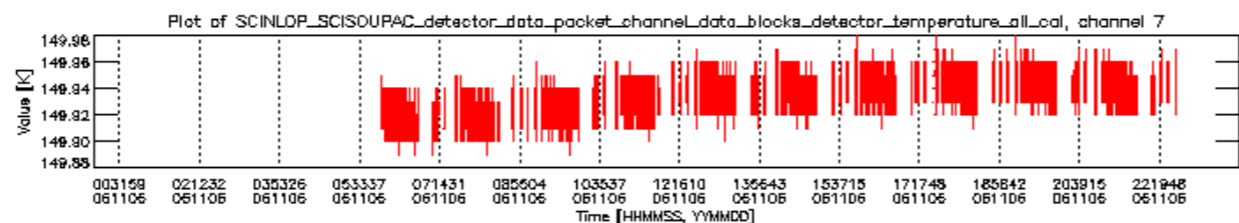
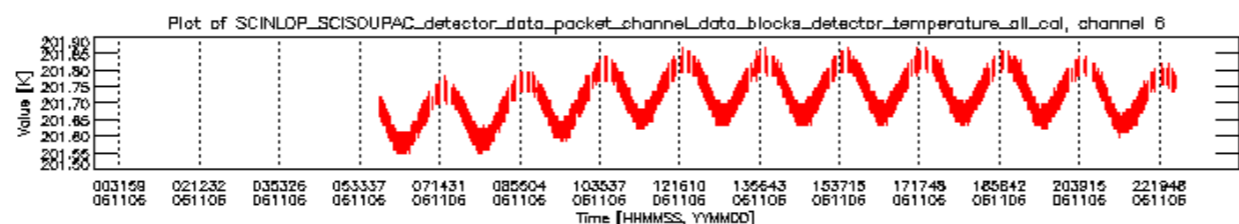
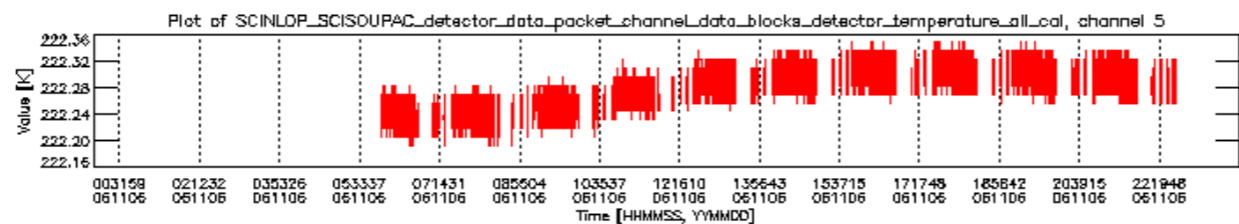
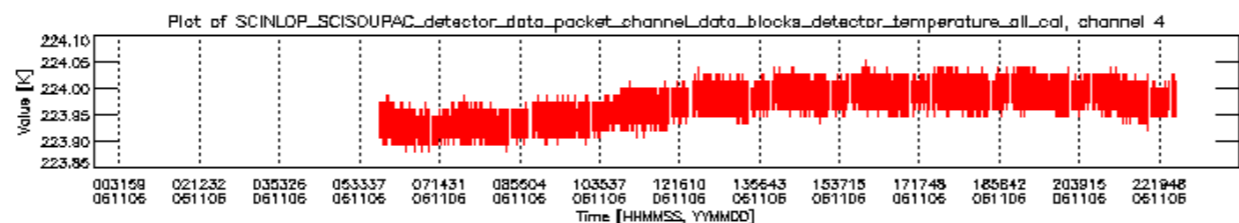
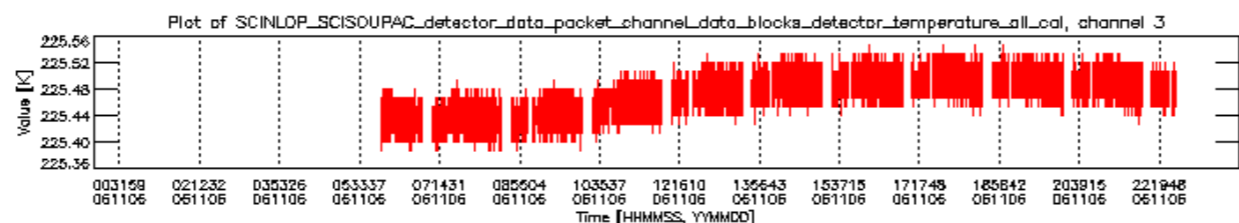
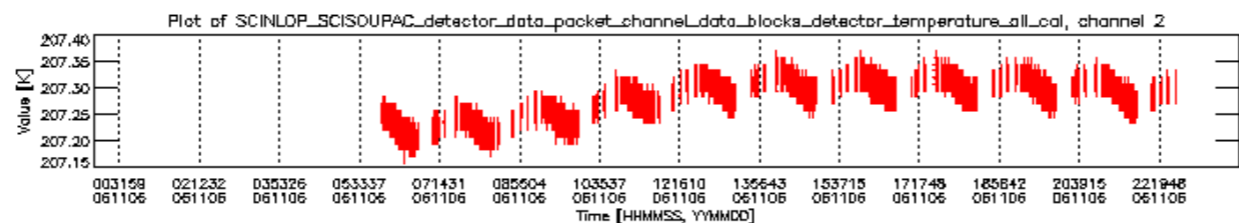
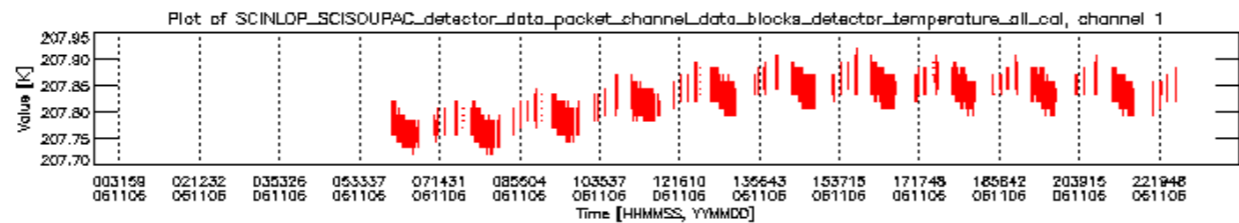


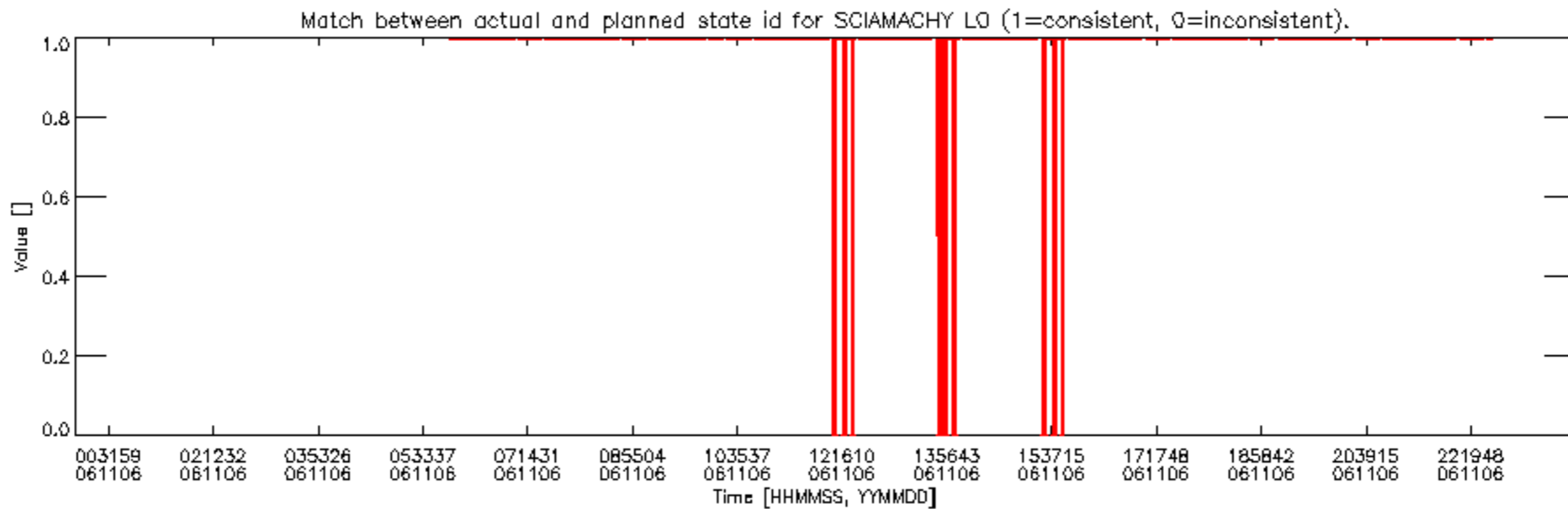
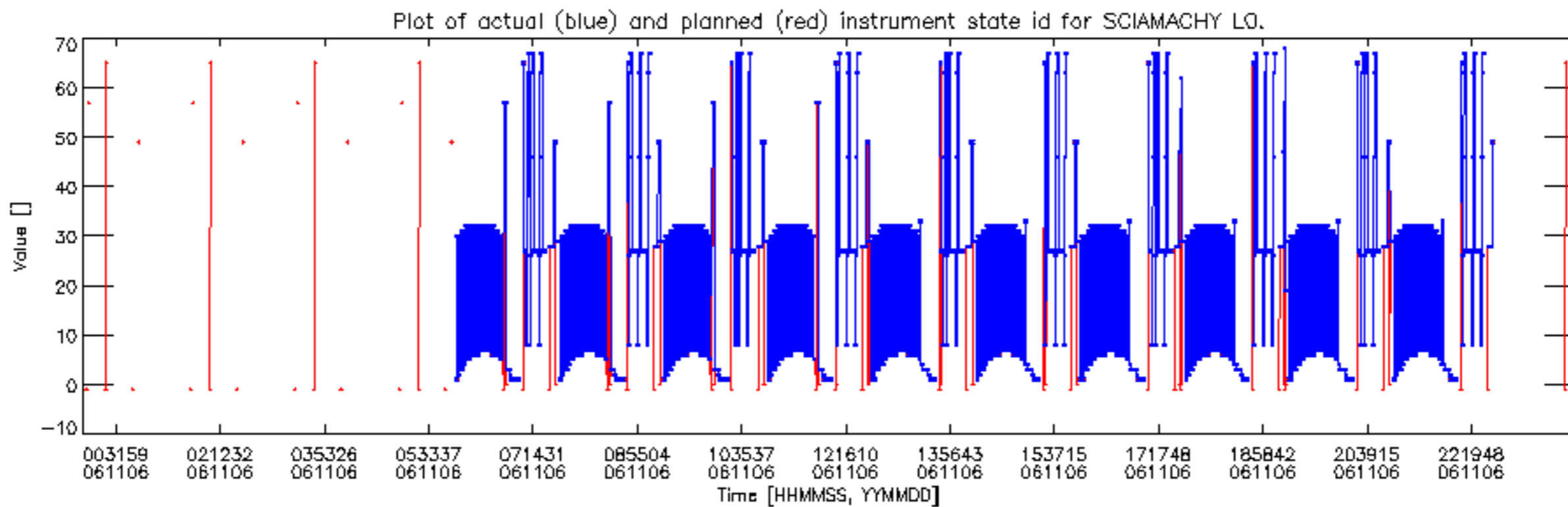












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