

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	03JUL2008 05:07:41
Data source version	KSPT_L0/4303-N
Processing scope for products	29JUN2008 00:00:00 to 30JUN2008 00:00:00
Start time of first product within scope	28JUN2008 22:49:01
Stop time of last product within scope	30JUN2008 01:38:37
Total number of level 0 products	17
Number of level 0 products with errors	0

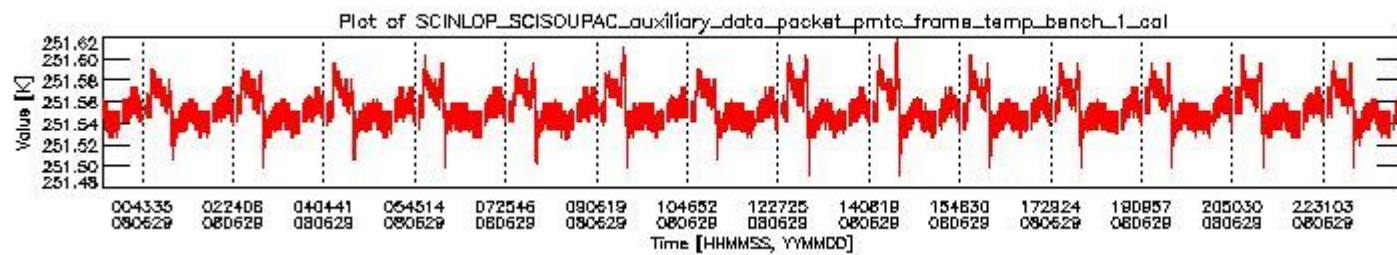
0.1.2 Summary per product

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

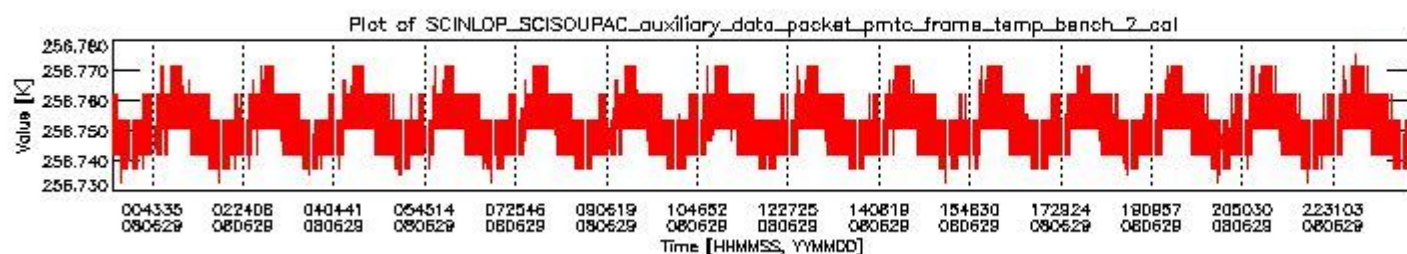
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080628_224901_000061322069_00473_33092_7012.N1	28JUN2008 22:49:01	29JUN2008 00:31:13	0	0	0	0	0
1	SCI_NL__OPNPDE20080629_003029_000059372069_00474_33093_7013.N1	29JUN2008 00:30:29	29JUN2008 02:09:26	0	0	0	0	0
2	SCI_NL__OPNPDE20080629_020808_000047792069_00475_33094_7014.N1	29JUN2008 02:08:08	29JUN2008 03:27:48	0	0	0	0	0
3	SCI_NL__OPNPDE20080629_032639_000059122069_00476_33095_7015.N1	29JUN2008 03:26:39	29JUN2008 05:05:11	0	0	0	0	0
4	SCI_NL__OPNPDE20080629_050415_000060922069_00477_33096_7016.N1	29JUN2008 05:04:15	29JUN2008 06:45:47	0	0	0	0	0
5	SCI_NL__OPNPDK20080629_064438_000041822069_00478_33097_8629.N1	29JUN2008 06:44:38	29JUN2008 07:54:21	0	0	0	0	0
6	SCI_NL__OPNPDK20080629_075312_000061602069_00479_33098_8630.N1	29JUN2008 07:53:12	29JUN2008 09:35:52	0	0	0	0	0
7	SCI_NL__OPNPDK20080629_093444_000060492069_00480_33099_8631.N1	29JUN2008 09:34:44	29JUN2008 11:15:32	0	0	0	0	0
8	SCI_NL__OPNPDK20080629_111424_000059672069_00481_33100_8632.N1	29JUN2008 11:14:24	29JUN2008 12:53:51	0	0	0	0	0
9	SCI_NL__OPNPDK20080629_125351_000059242069_00482_33101_8633.N1	29JUN2008 12:53:51	29JUN2008 14:32:35	0	0	0	0	0
10	SCI_NL__OPNPDK20080629_143235_000058992069_00483_33102_8634.N1	29JUN2008 14:32:35	29JUN2008 16:10:54	0	0	0	0	0
11	SCI_NL__OPNPDK20080629_160958_000059272069_00484_33103_8635.N1	29JUN2008 16:09:58	29JUN2008 17:48:46	0	0	0	0	0
12	SCI_NL__OPNPDK20080629_174641_000059672069_00485_33104_8636.N1	29JUN2008 17:46:41	29JUN2008 19:26:09	0	0	0	0	0
13	SCI_NL__OPNPDK20080629_192513_000060892069_00486_33105_8637.N1	29JUN2008 19:25:13	29JUN2008 21:06:42	0	0	0	0	0
14	SCI_NL__OPNPDE20080629_210437_000043682069_00487_33106_7017.N1	29JUN2008 21:04:37	29JUN2008 22:17:25	0	0	0	0	0
15	SCI_NL__OPNPDE20080629_221725_000061322069_00487_33106_7018.N1	29JUN2008 22:17:25	29JUN2008 23:59:37	0	0	0	0	0
16	SCI_NL__OPNPDE20080629_235809_000060282069_00488_33107_7019.N1	29JUN2008 23:58:09	30JUN2008 01:38:37	0	0	0	0	0

0.2 Product Quality Indicators

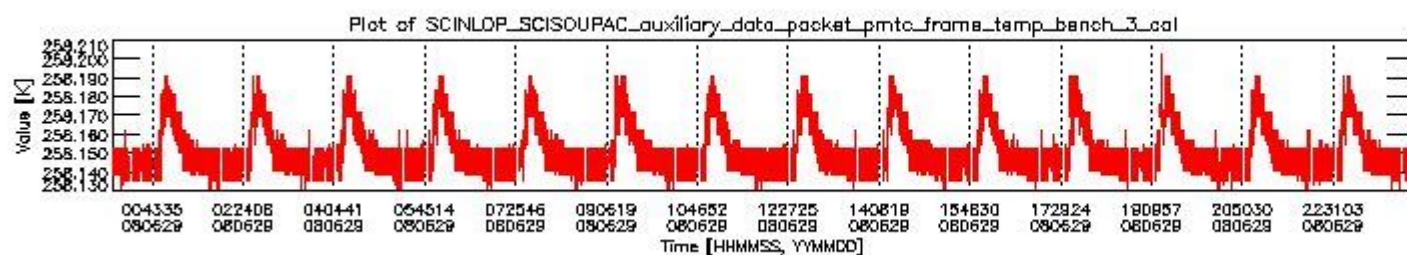
This section shows information about product quality, currently temperatures.



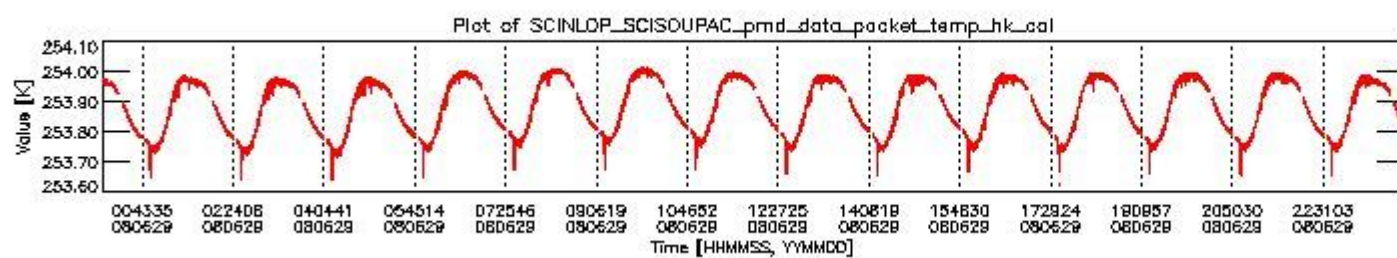
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080629_0.PNG



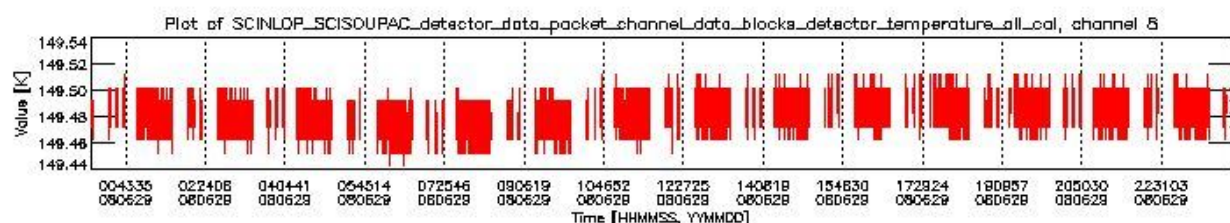
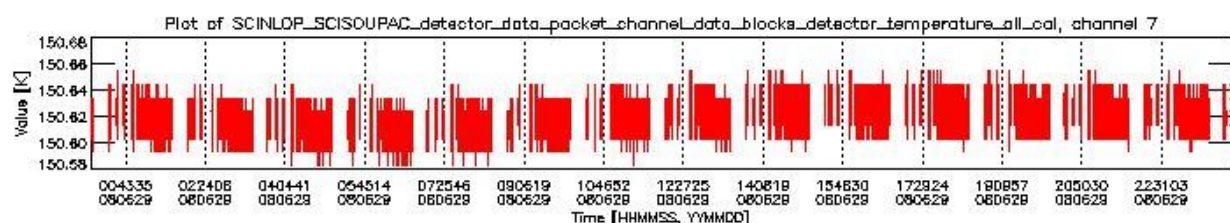
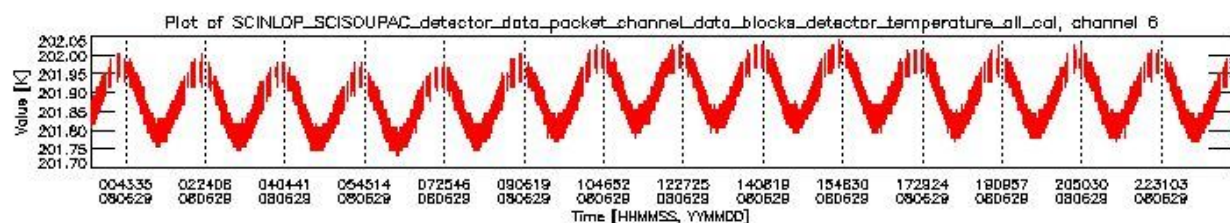
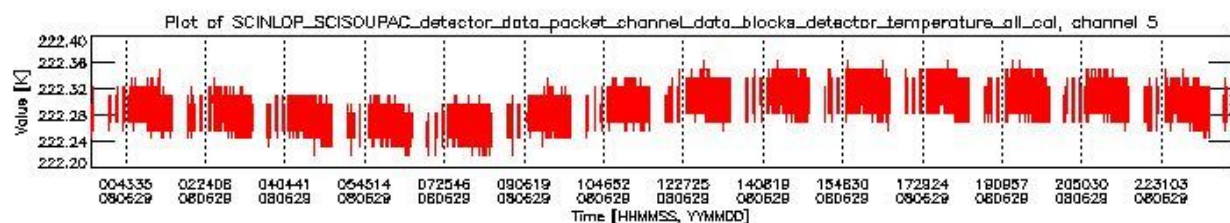
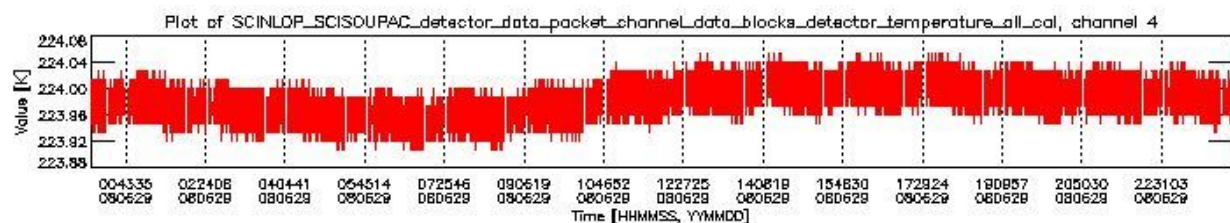
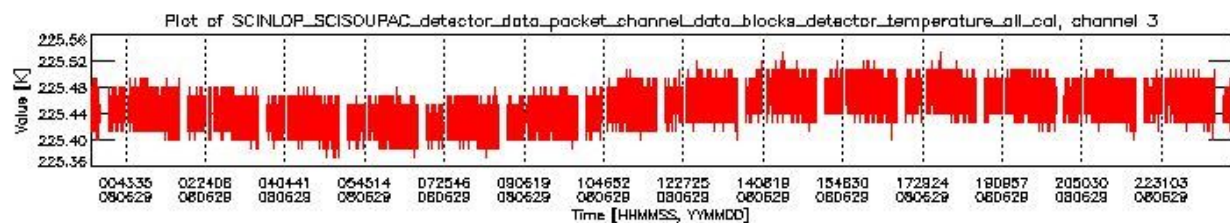
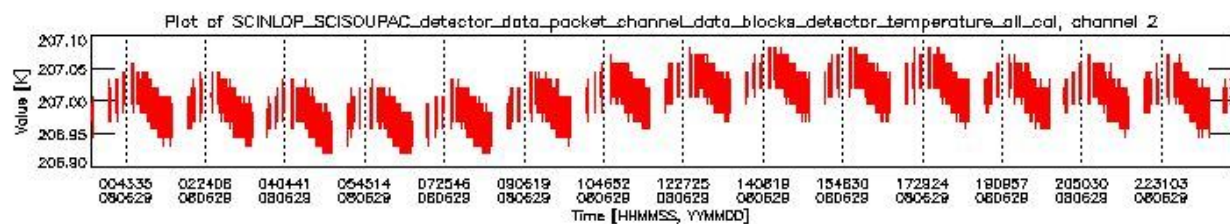
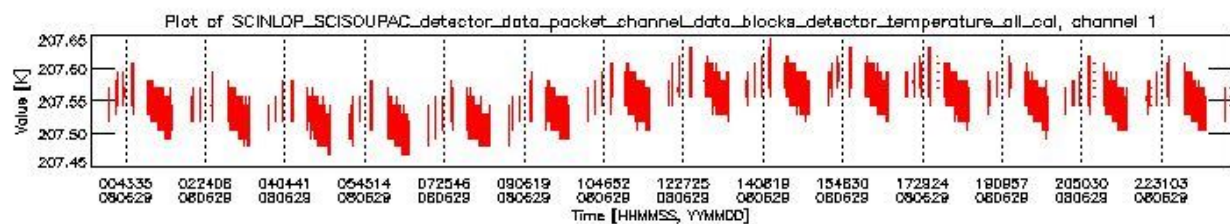
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sciamachy_daily_report_level0_KSPT_L0_4303_N_20080629_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20080629_3.PNG

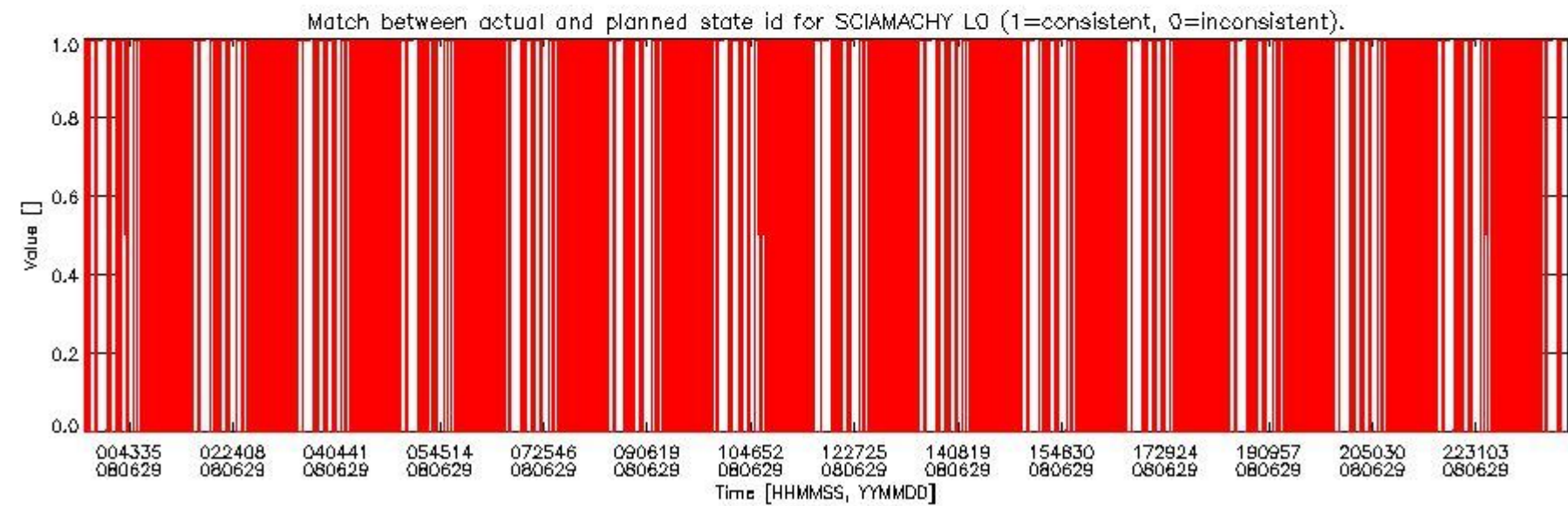
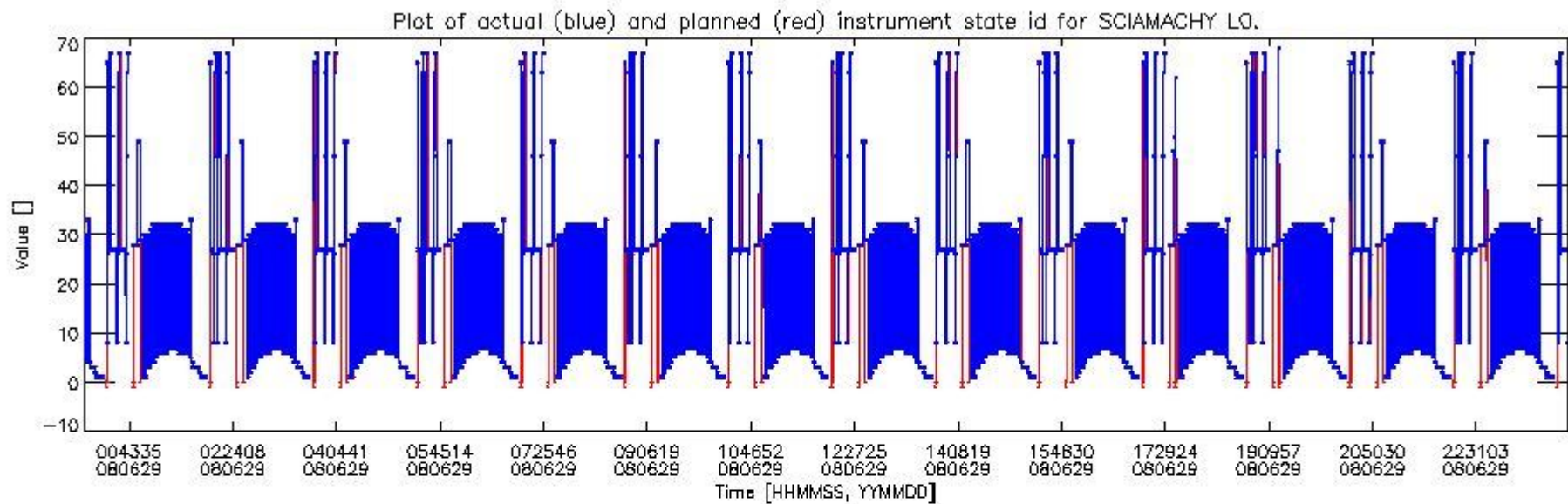


0.3 State monitoring

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: **34028**

#	Actual time	Actual value	Planned time	Planned value
0	29JUN2008 00:00:10.590649	5	29JUN2008 00:00:10.590649	30
1	29JUN2008 00:00:10.840657	5	29JUN2008 00:00:10.840657	30
2	29JUN2008 00:00:10.965662	5	29JUN2008 00:00:10.965662	30
3	29JUN2008 00:00:11.090666	5	29JUN2008 00:00:11.090666	30
4	29JUN2008 00:00:11.215630	5	29JUN2008 00:00:11.215630	30
5	29JUN2008 00:00:11.340635	5	29JUN2008 00:00:11.340635	30
6	29JUN2008 00:00:11.465639	5	29JUN2008 00:00:11.465639	30
7	29JUN2008 00:00:11.590643	5	29JUN2008 00:00:11.590643	30
8	29JUN2008 00:00:11.715648	5	29JUN2008 00:00:11.715648	30
9	29JUN2008 00:00:11.840652	5	29JUN2008 00:00:11.840652	30
10	29JUN2008 00:00:11.965656	5	29JUN2008 00:00:11.965656	30
11	29JUN2008 00:00:12.090661	5	29JUN2008 00:00:12.090661	30
12	29JUN2008 00:00:12.215665	5	29JUN2008 00:00:12.215665	30
13	29JUN2008 00:00:12.340669	5	29JUN2008 00:00:12.340669	30
14	29JUN2008 00:00:12.465633	5	29JUN2008 00:00:12.465633	30
15	29JUN2008 00:00:12.590638	5	29JUN2008 00:00:12.590638	30
16	29JUN2008 00:00:12.715642	5	29JUN2008 00:00:12.715642	30
17	29JUN2008 00:00:12.840647	5	29JUN2008 00:00:12.840647	30
18	29JUN2008 00:00:12.965651	5	29JUN2008 00:00:12.965651	30
19	29JUN2008 00:00:13.090655	5	29JUN2008 00:00:13.090655	30

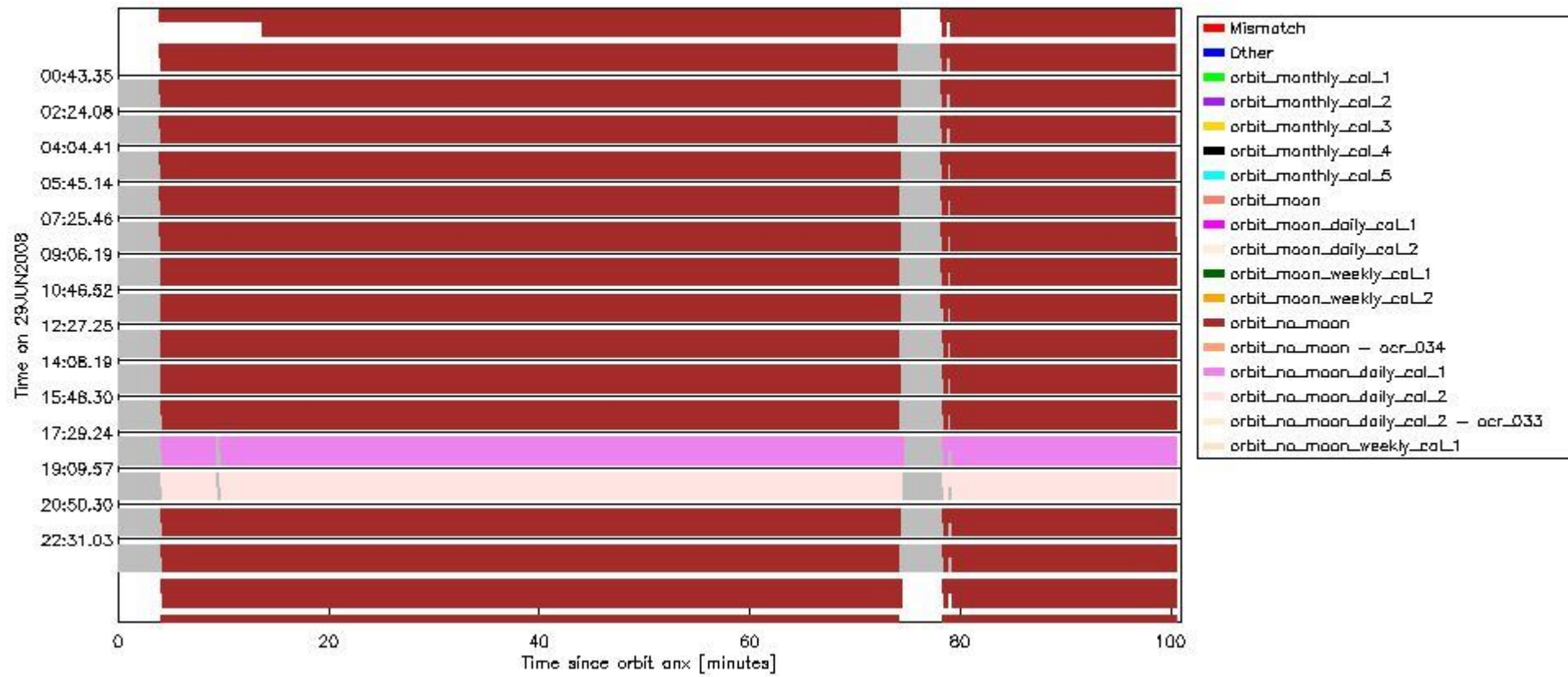


sciamachy_daily_report_level0_KSPT_L0_4303_N_20080629_5.PNG

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 29JUN2008.
 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_20080629_6.PNG

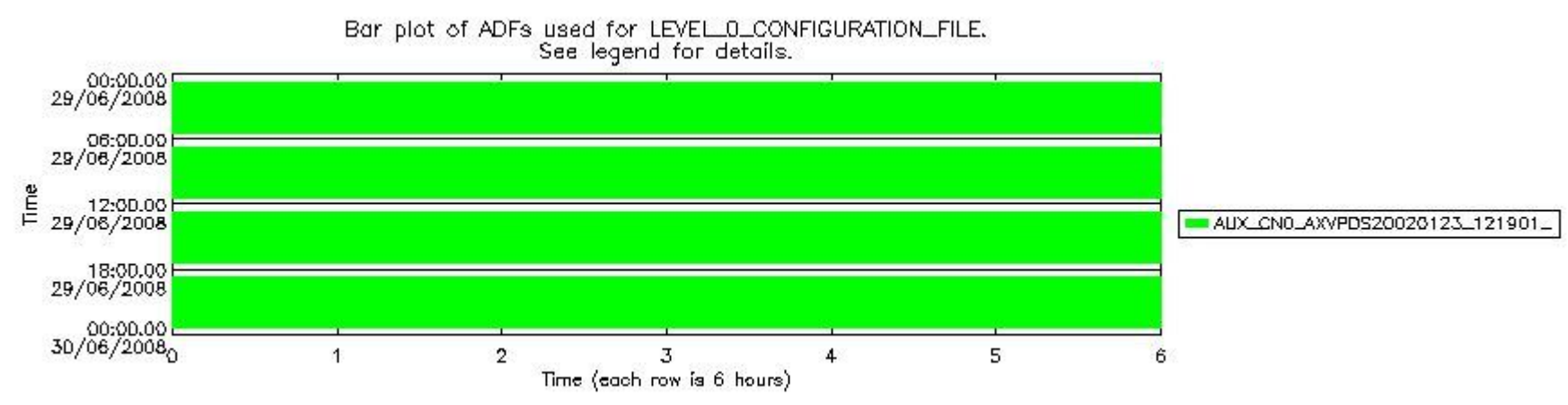
0.4 ADF monitoring

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

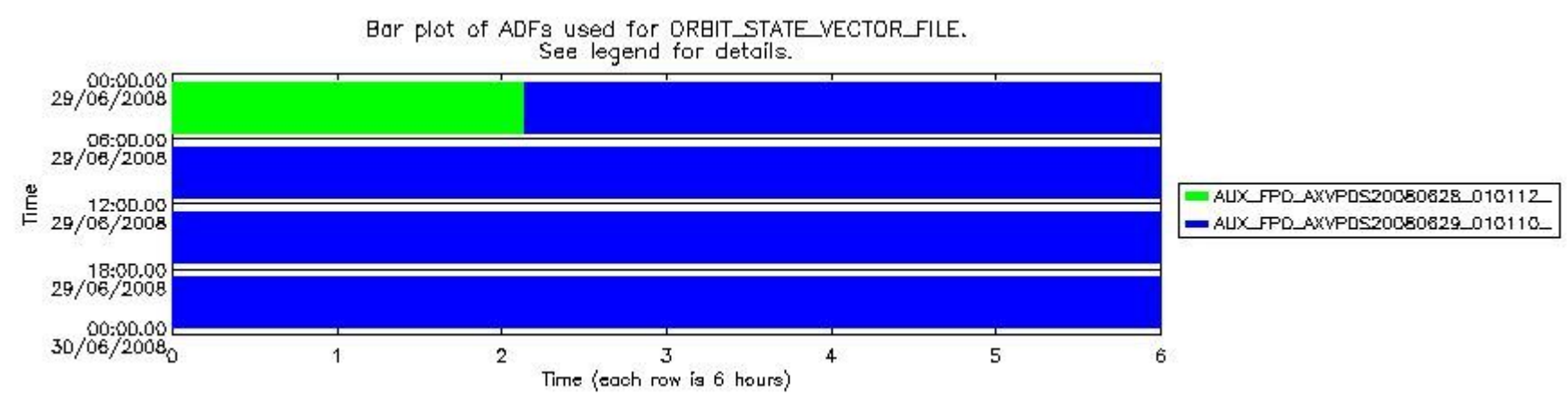
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

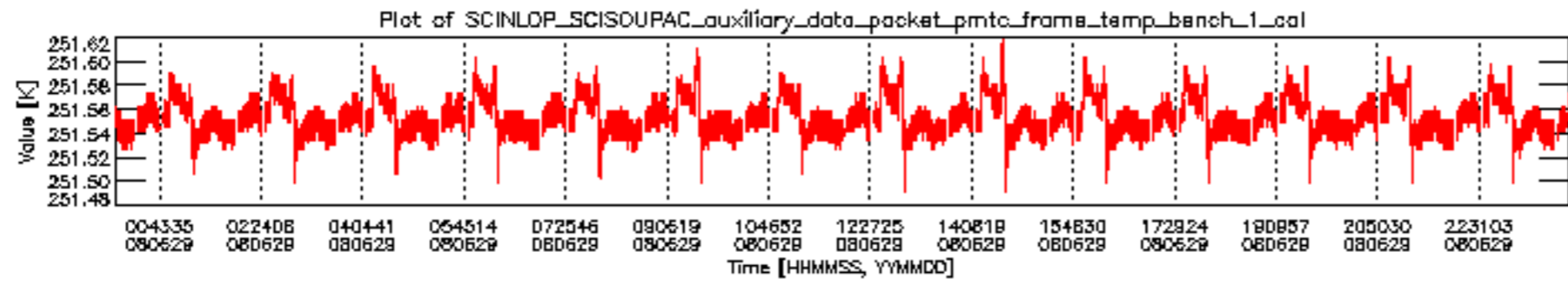
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20080628_010112_20080627_183234_20080707_213923
2	AUX_FPO_AXVPDS20080629_010110_20080628_194133_20080708_210746

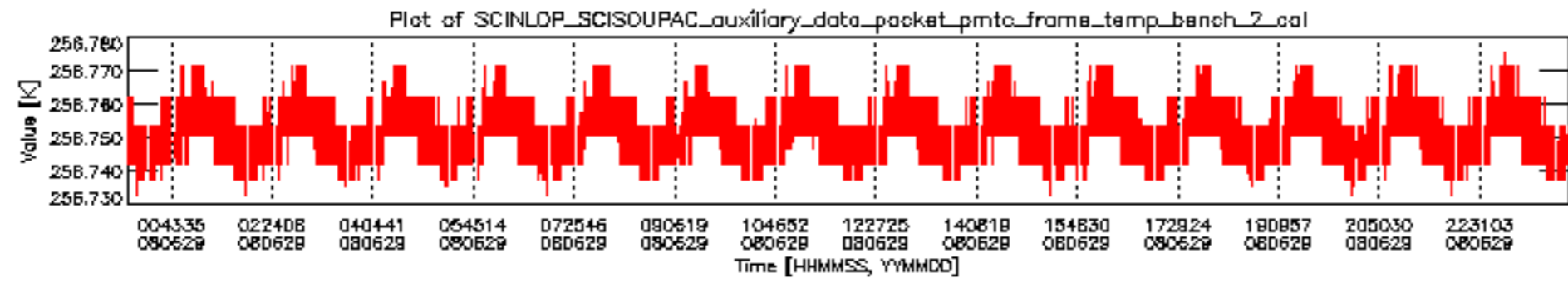


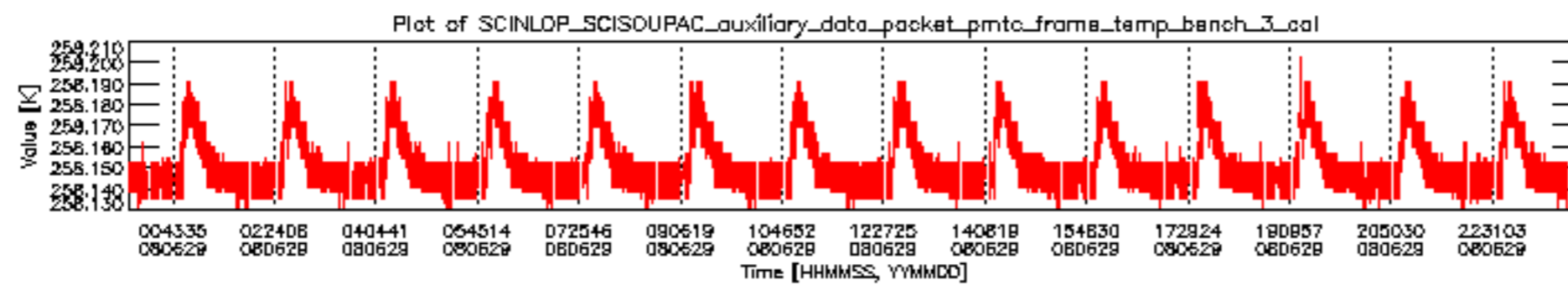
sciamachy_daily_report_level0_KSPT_L0_4303_N_20080629_7.PNG

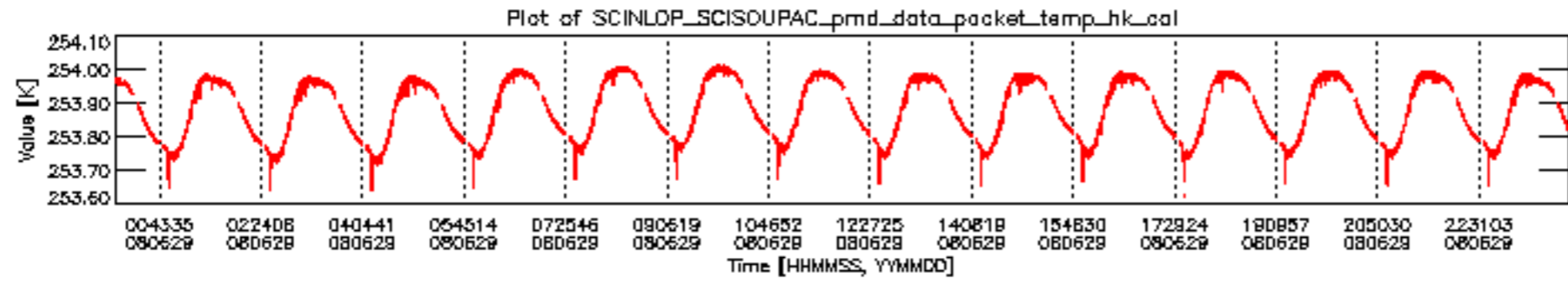


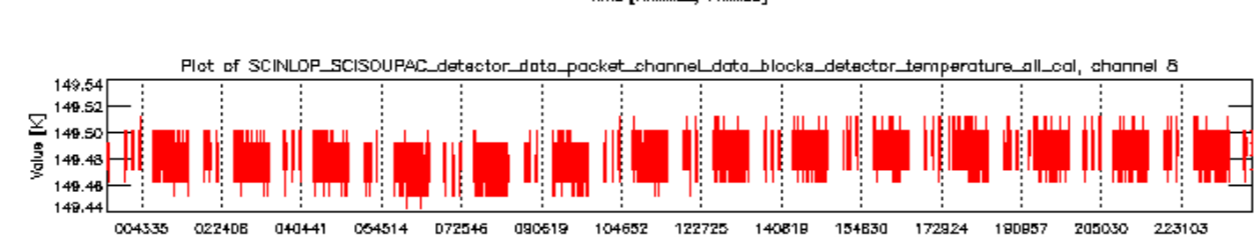
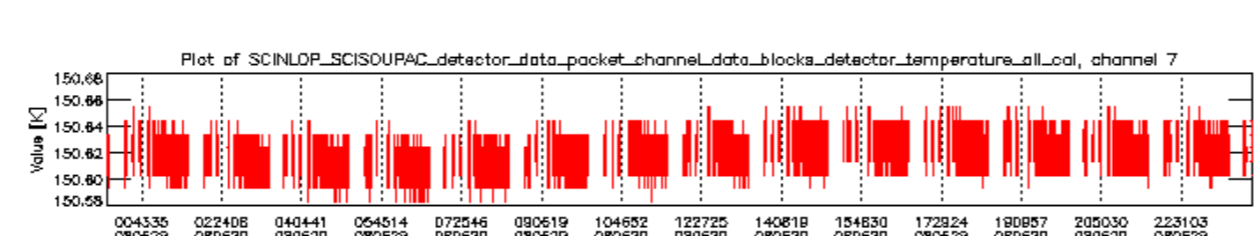
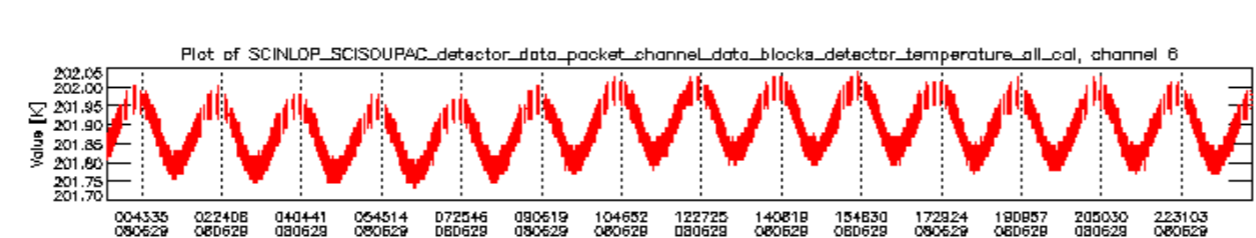
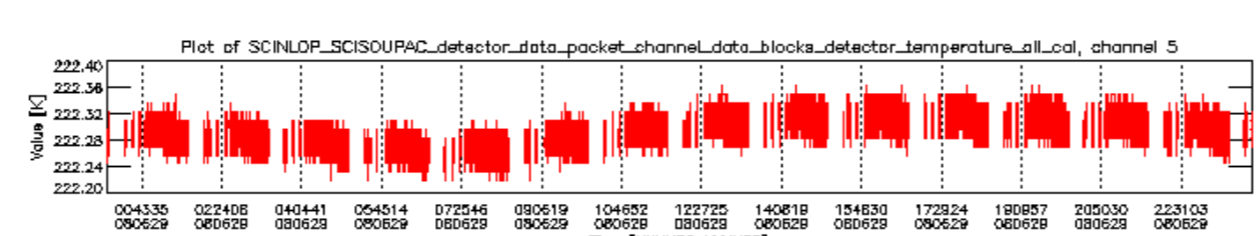
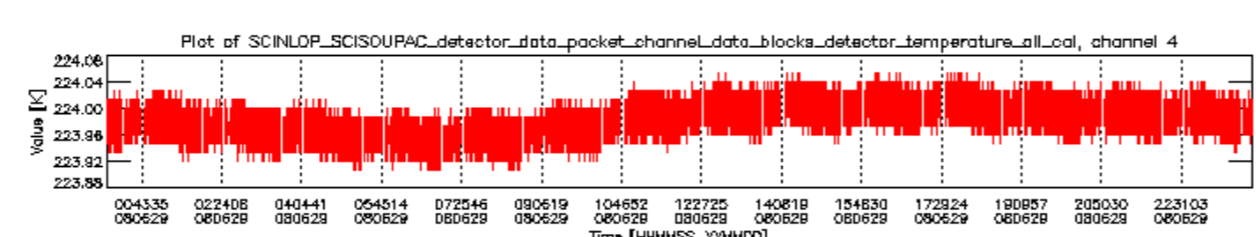
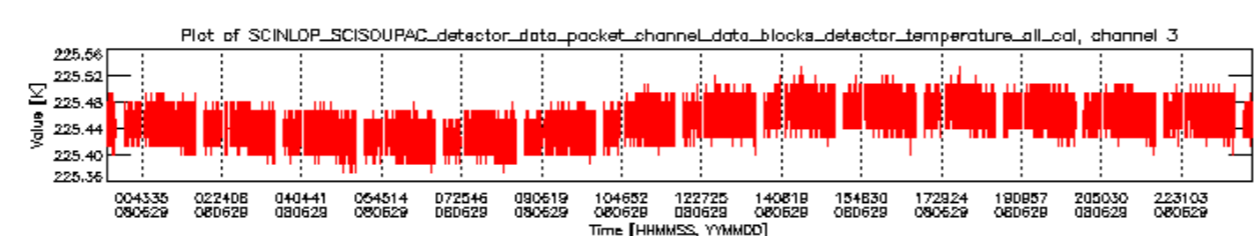
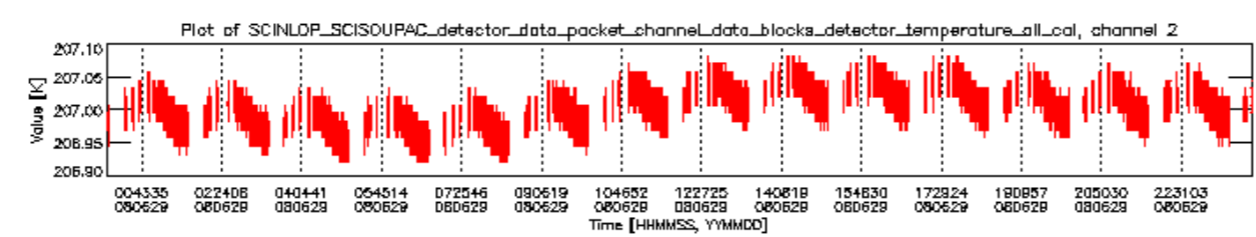
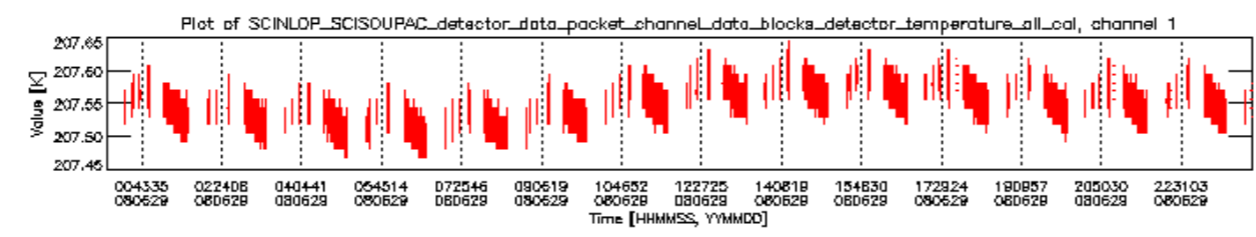
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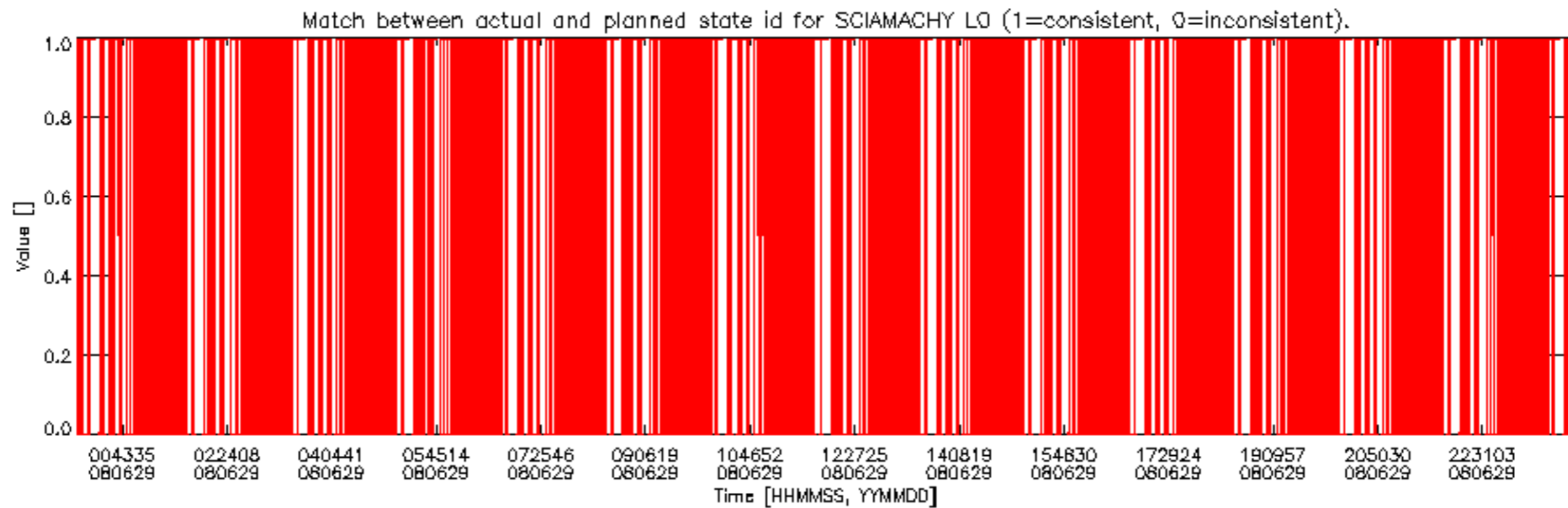
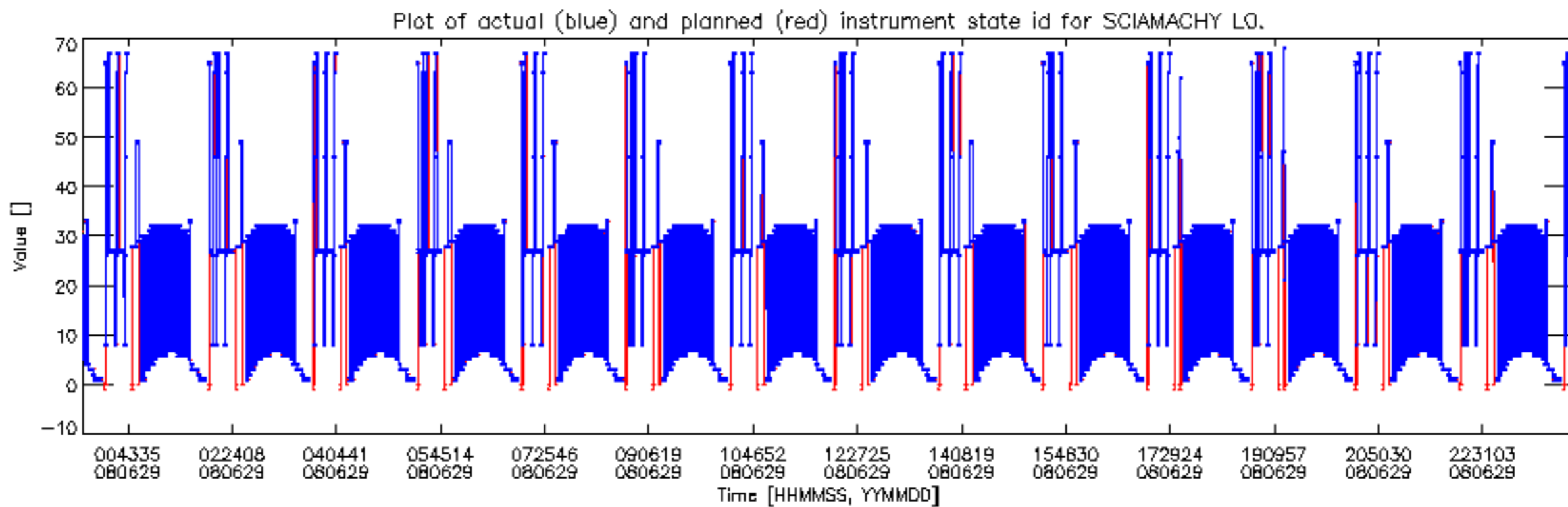












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