

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	29MAY2010 02:33:45
Data source version	<Any version>
Processing scope for products	22MAY2010 00:00:00 to 23MAY2010 00:00:00
Start time of first product within scope	22MAY2010 01:22:08
Stop time of last product within scope	23MAY2010 00:52:35
Total number of Level 0 products	15
Number of Level 0 products with errors	0

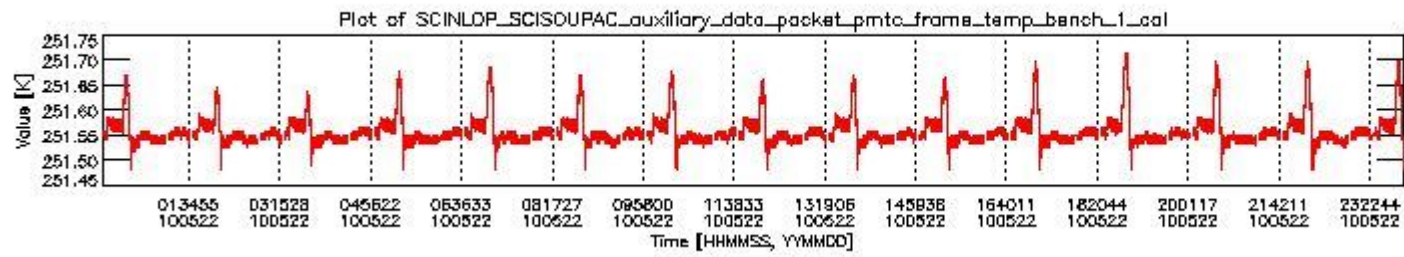
0.1.2 Summary per product

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

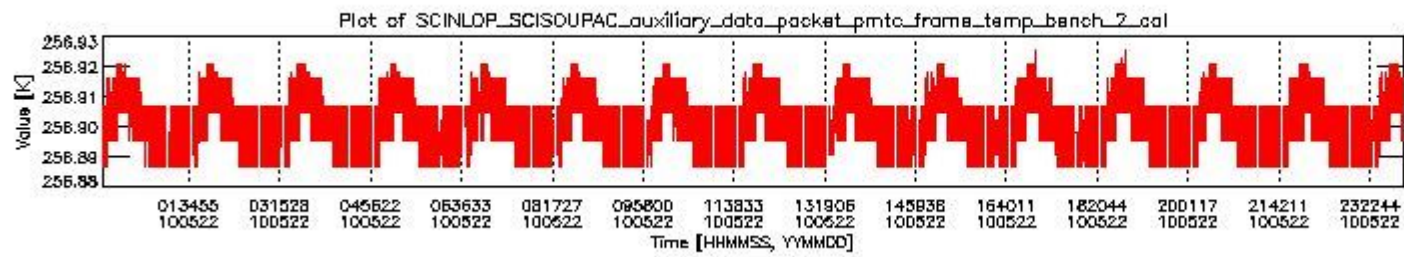
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20100522_012208_000043972089_00360_42999_1500.N1	22MAY2010 01:22:08	22MAY2010 02:35:25	0	0	0	0	0
1	SCI_NL__OPNPDE20100522_023429_000061042089_00361_43000_1501.N1	22MAY2010 02:34:29	22MAY2010 04:16:13	0	0	0	0	0
2	SCI_NL__OPNPDE20100522_041613_000060232089_00362_43001_1502.N1	22MAY2010 04:16:13	22MAY2010 05:56:36	0	0	0	0	0
3	SCI_NL__OPNPDK20100522_055636_000041822089_00363_43002_1461.N1	22MAY2010 05:56:36	22MAY2010 07:06:18	0	0	0	0	0
4	SCI_NL__OPNPDK20100522_070510_000060922089_00364_43003_1462.N1	22MAY2010 07:05:10	22MAY2010 08:46:41	0	0	0	0	0
5	SCI_NL__OPNPDK20100522_084545_000060362089_00365_43004_1463.N1	22MAY2010 08:45:45	22MAY2010 10:26:21	0	0	0	0	0
6	SCI_NL__OPNPDK20100522_102525_000060232089_00366_43005_1464.N1	22MAY2010 10:25:25	22MAY2010 12:05:48	0	0	0	0	0
7	SCI_NL__OPNPDK20100522_120548_000059242089_00367_43006_1465.N1	22MAY2010 12:05:48	22MAY2010 13:44:32	0	0	0	0	0
8	SCI_NL__OPNPDK20100522_134323_000059672089_00368_43007_1466.N1	22MAY2010 13:43:23	22MAY2010 15:22:50	0	0	0	0	0
9	SCI_NL__OPNPDK20100522_152155_000059802089_00369_43008_1467.N1	22MAY2010 15:21:55	22MAY2010 17:01:35	0	0	0	0	0
10	SCI_NL__OPNPDK20100522_170026_000058852089_00370_43009_1468.N1	22MAY2010 17:00:26	22MAY2010 18:38:31	0	0	0	0	0
11	SCI_NL__OPNPDK20100522_183735_000059532089_00371_43010_1469.N1	22MAY2010 18:37:35	22MAY2010 20:16:48	0	0	0	0	0
12	SCI_NL__OPNPDE20100522_201539_000044172089_00372_43011_1503.N1	22MAY2010 20:15:39	22MAY2010 21:29:16	0	0	0	0	0
13	SCI_NL__OPNPDE20100522_212843_000061652089_00372_43011_1504.N1	22MAY2010 21:28:43	22MAY2010 23:11:28	0	0	0	0	0
14	SCI_NL__OPNPDE20100522_231000_000061552089_00373_43012_1505.N1	22MAY2010 23:10:00	23MAY2010 00:52:35	0	0	0	0	0

0.2 Product Quality Indicators

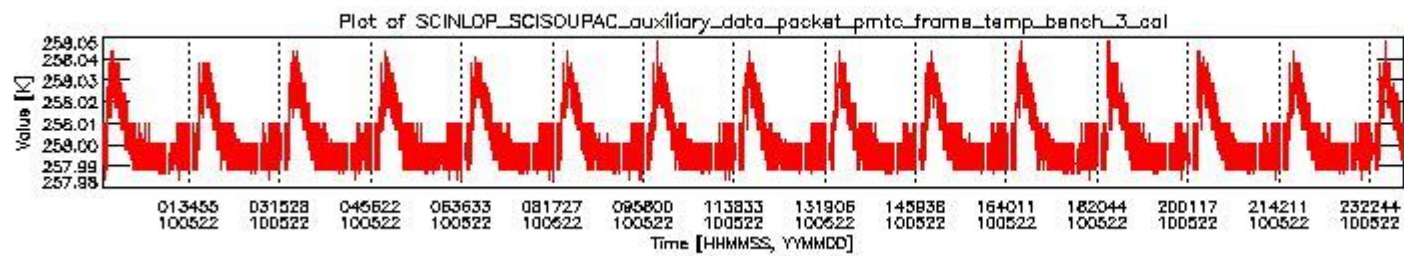
This section shows information about product quality, currently temperatures.



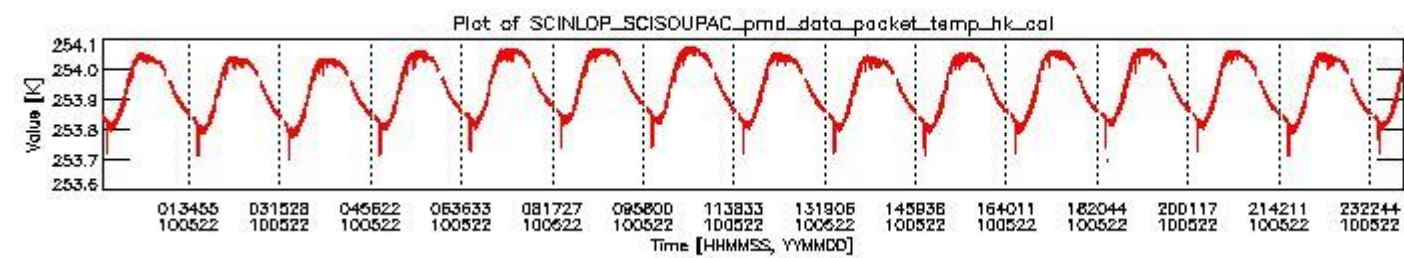
sciamachy_daily_report_level0_Any_version_20100522_0.PNG



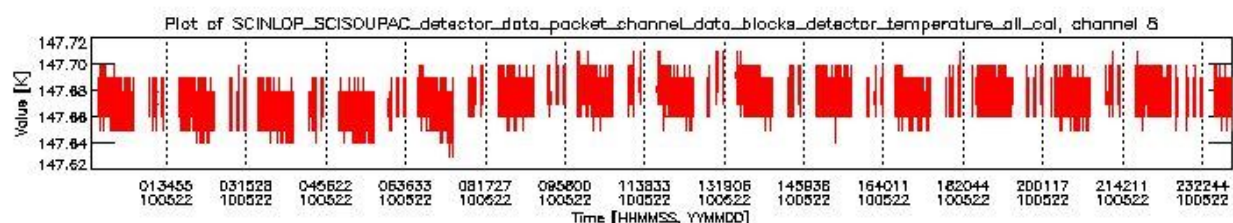
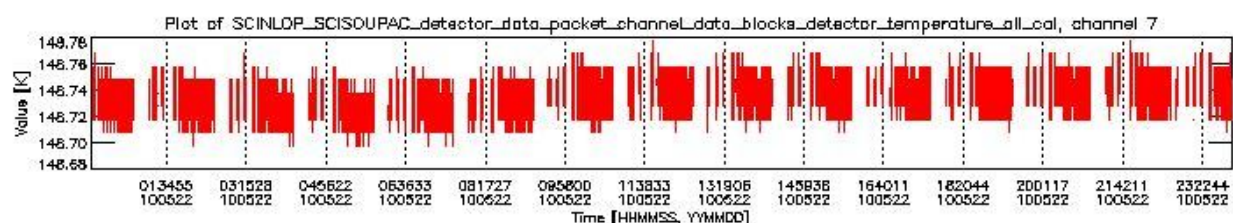
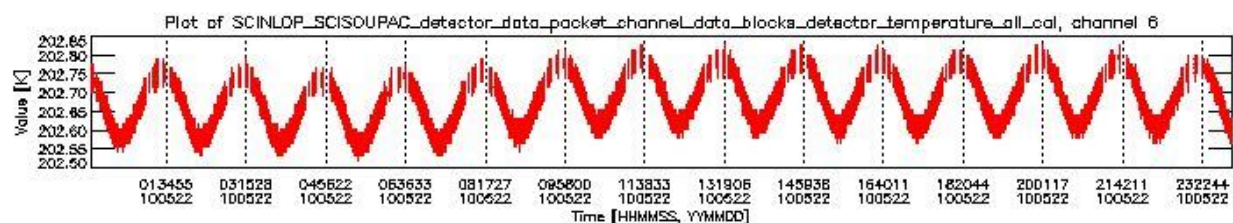
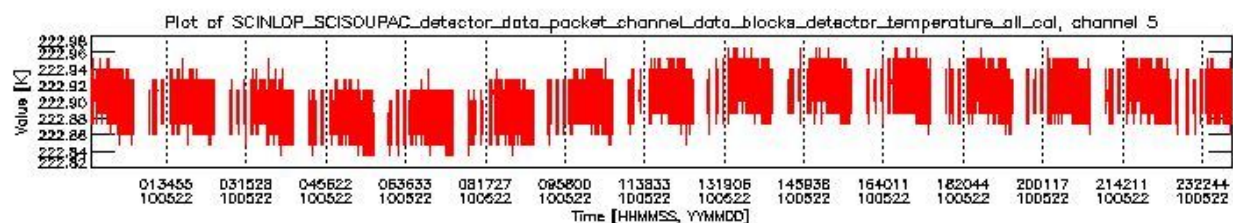
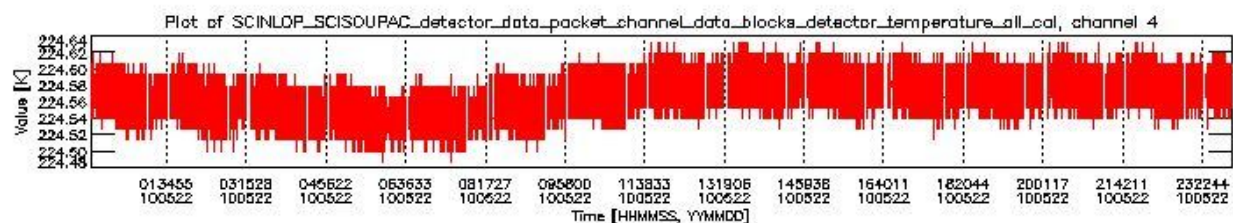
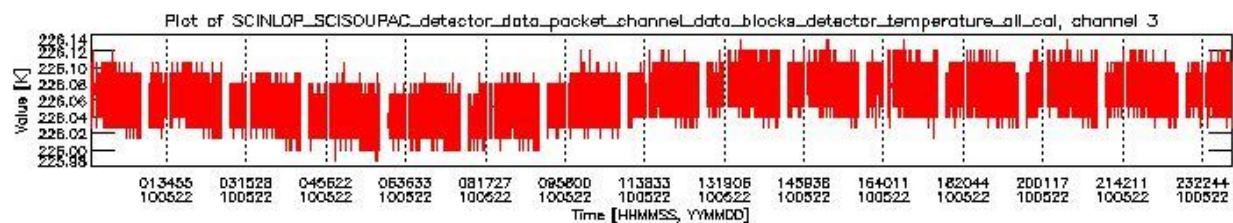
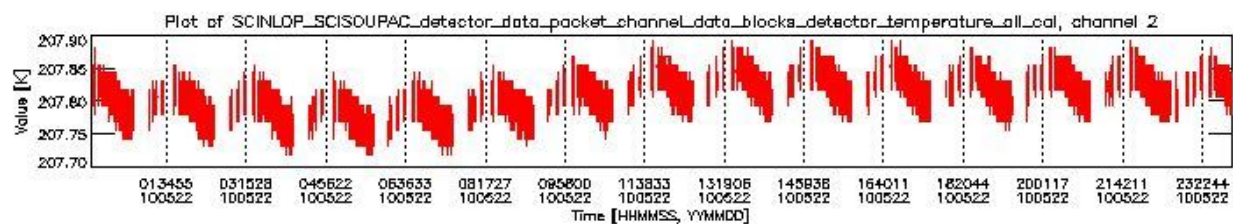
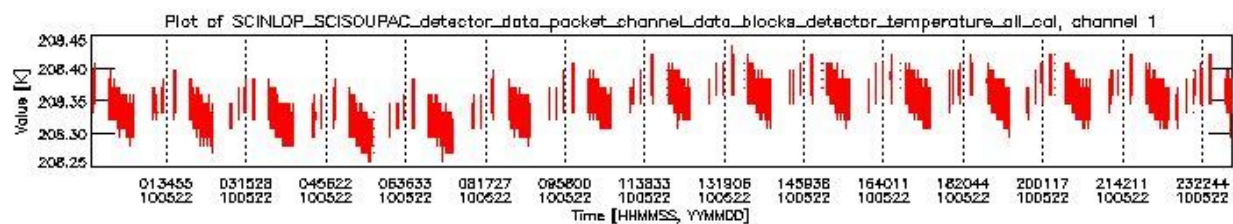
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sciamachy_daily_report_level0_Any_version_20100522_2.PNG



sciamachy_daily_report_level0_Any_version_20100522_3.PNG

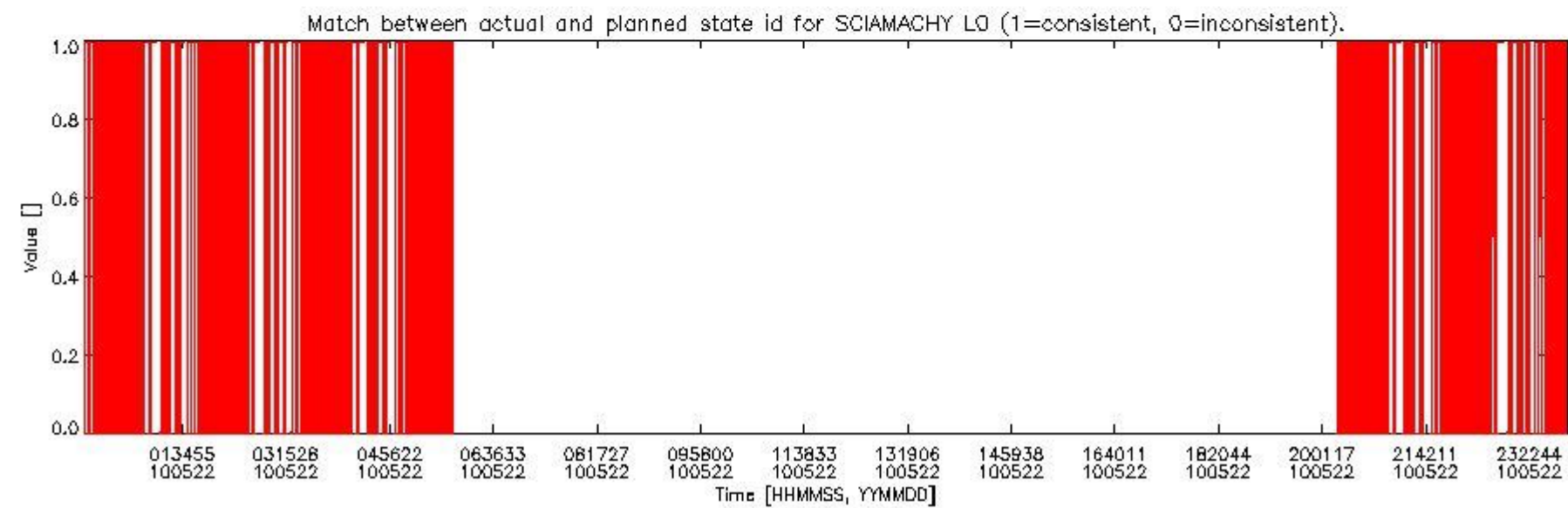
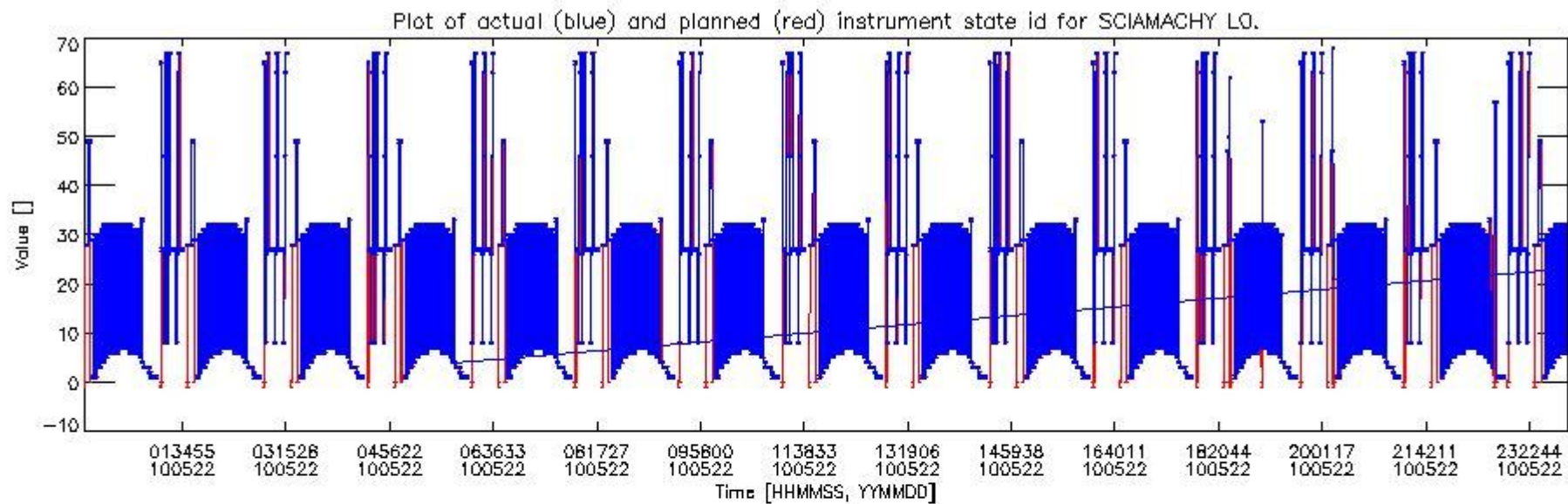


0.3 State monitoring

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: **39705**

#	Actual time	Actual value	Planned time	Planned value
0	22MAY2010 00:03:10.706355	49	22MAY2010 00:03:10.706355	28
1	22MAY2010 00:03:10.893855	49	22MAY2010 00:03:10.893855	28
2	22MAY2010 00:03:10.956355	49	22MAY2010 00:03:10.956355	28
3	22MAY2010 00:03:11.018855	49	22MAY2010 00:03:11.018855	28
4	22MAY2010 00:03:11.081355	49	22MAY2010 00:03:11.081355	28
5	22MAY2010 00:03:11.143855	49	22MAY2010 00:03:11.143855	28
6	22MAY2010 00:03:11.206355	49	22MAY2010 00:03:11.206355	28
7	22MAY2010 00:03:11.268855	49	22MAY2010 00:03:11.268855	28
8	22MAY2010 00:03:11.331355	49	22MAY2010 00:03:11.331355	28
9	22MAY2010 00:03:11.393855	49	22MAY2010 00:03:11.393855	28
10	22MAY2010 00:03:11.456355	49	22MAY2010 00:03:11.456355	28
11	22MAY2010 00:03:11.518855	49	22MAY2010 00:03:11.518855	28
12	22MAY2010 00:03:11.581355	49	22MAY2010 00:03:11.581355	28
13	22MAY2010 00:03:11.643855	49	22MAY2010 00:03:11.643855	28
14	22MAY2010 00:03:11.706355	49	22MAY2010 00:03:11.706355	28
15	22MAY2010 00:03:11.768855	49	22MAY2010 00:03:11.768855	28
16	22MAY2010 00:03:11.831355	49	22MAY2010 00:03:11.831355	28
17	22MAY2010 00:03:11.893855	49	22MAY2010 00:03:11.893855	28
18	22MAY2010 00:03:11.956355	49	22MAY2010 00:03:11.956355	28
19	22MAY2010 00:03:12.018855	49	22MAY2010 00:03:12.018855	28

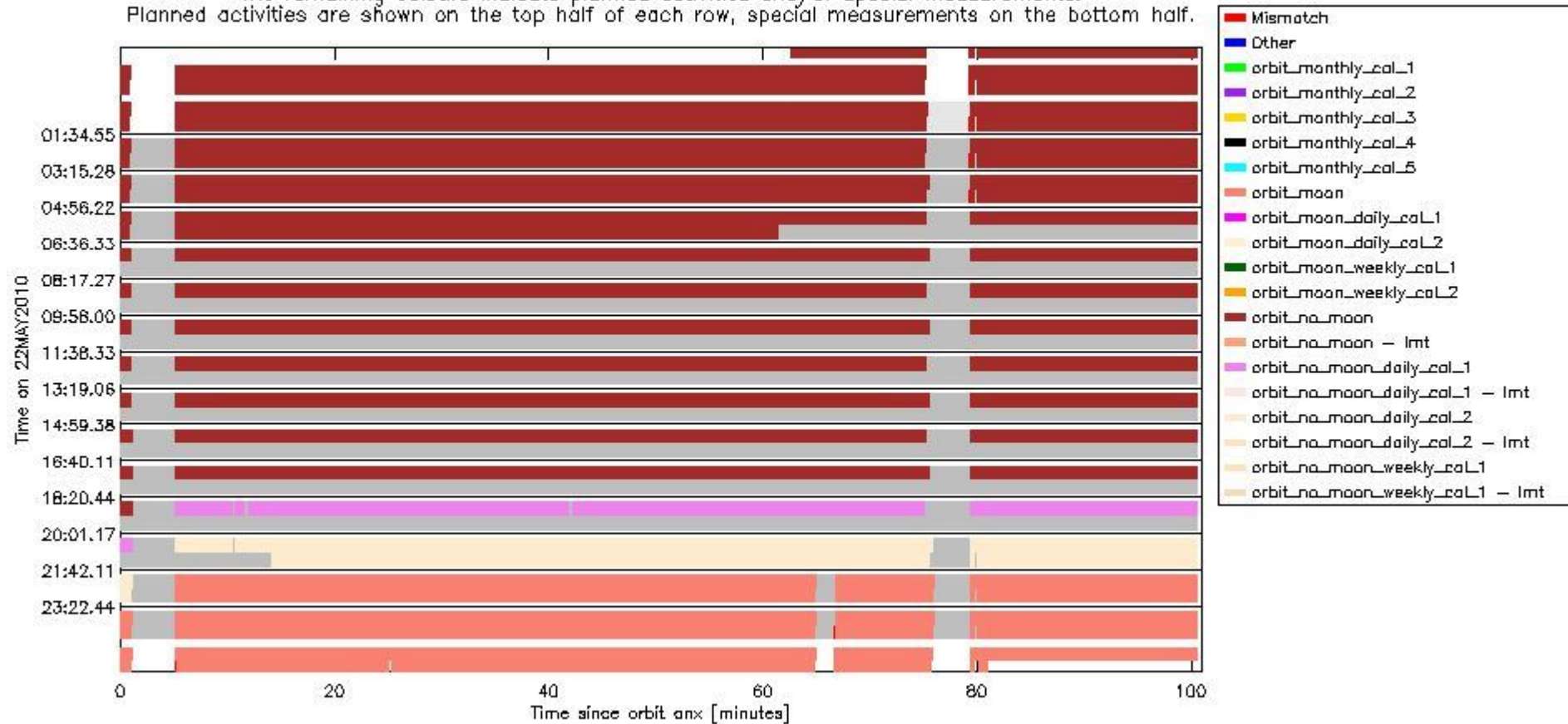


sciamachy_daily_report_level0_Any_version_20100522_5.PNG

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 22MAY2010.
 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_20100522_6.PNG

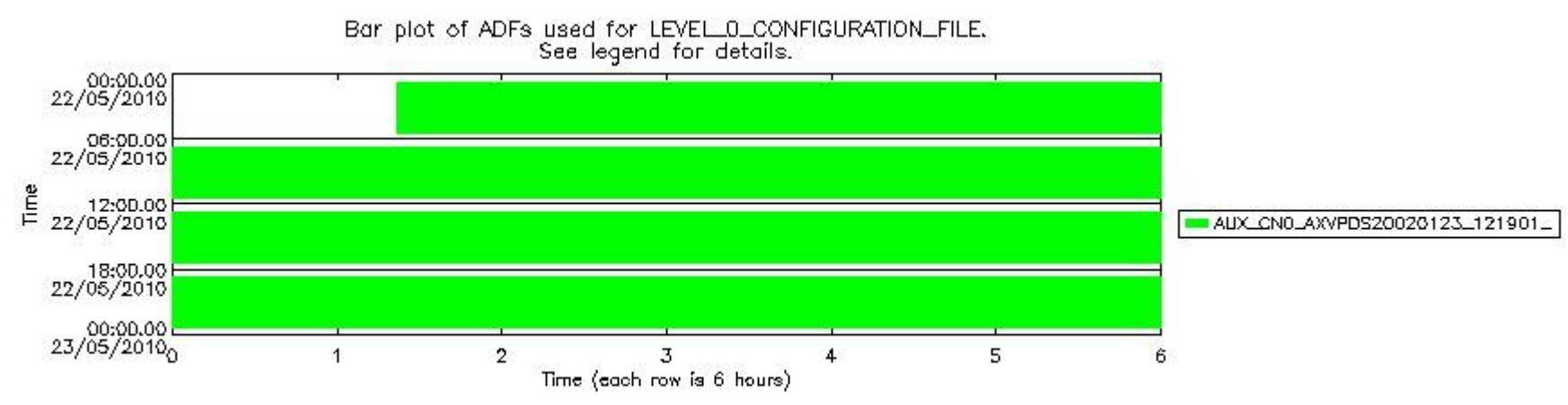
0.4 ADF monitoring

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

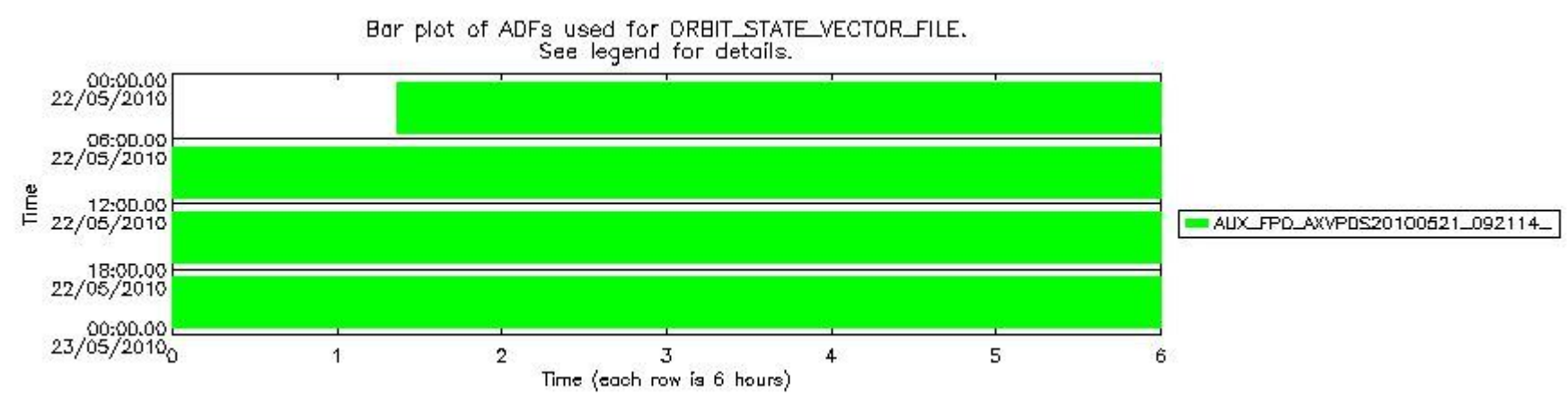
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

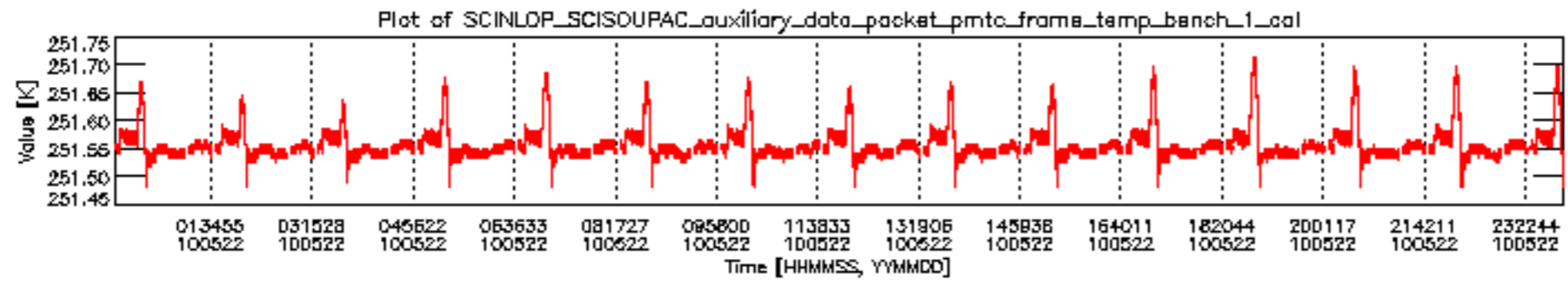
Number	ADF
	CNO (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20100521_092114_20100520_192407_20100530_205020

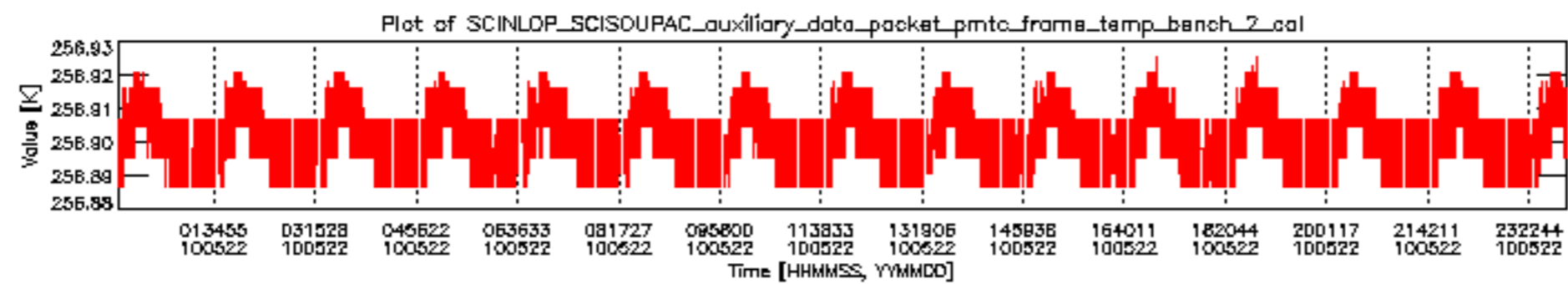


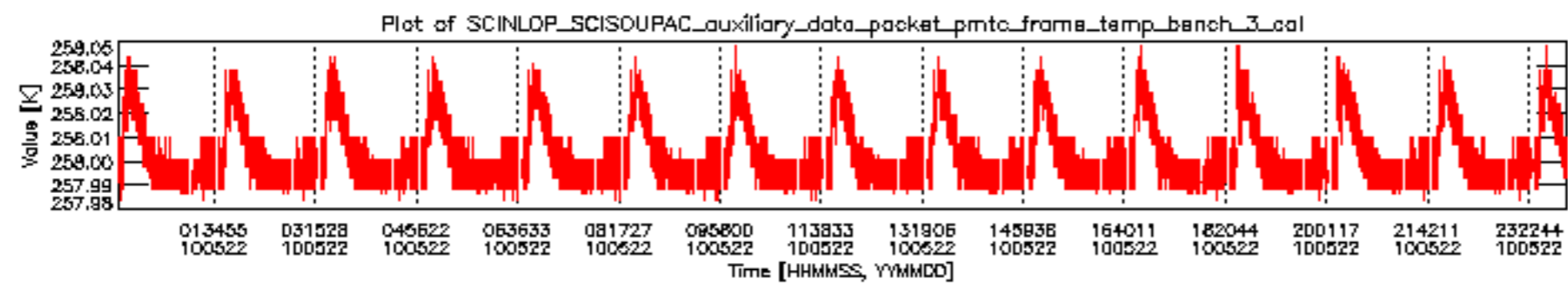
sciamachy_daily_report_level0_Any_version_20100522_7.PNG

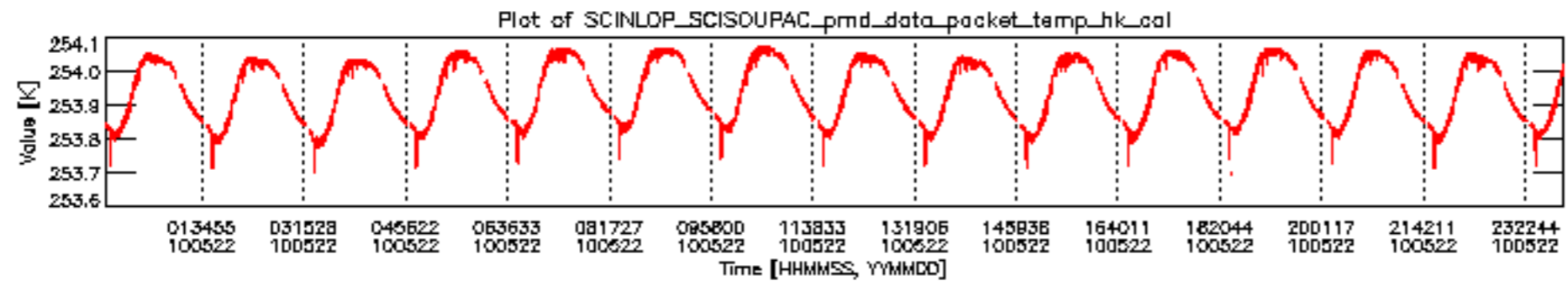


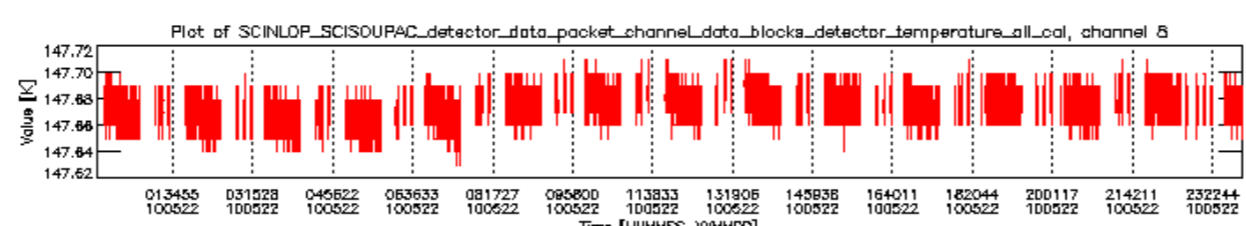
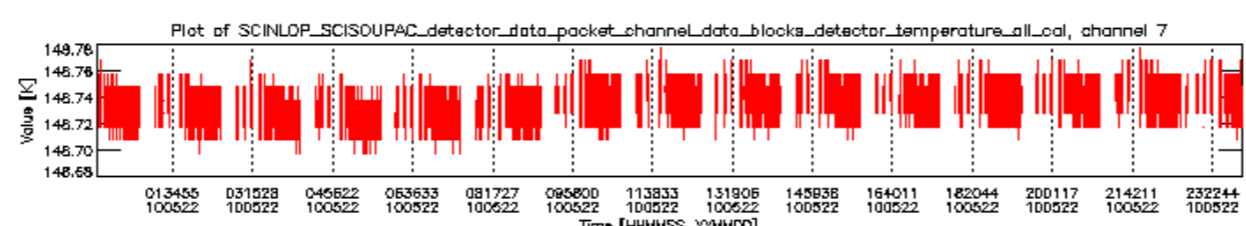
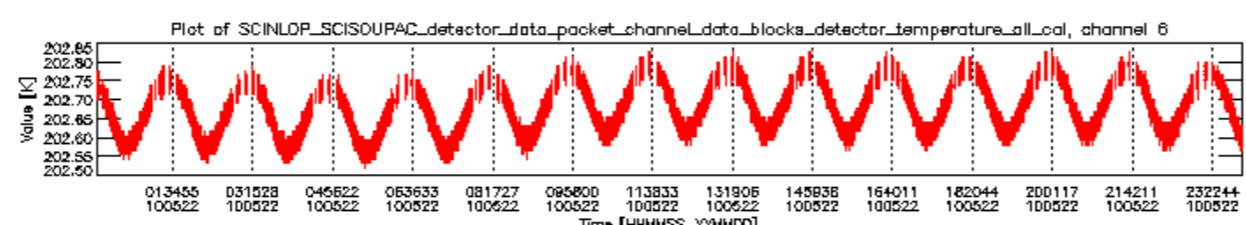
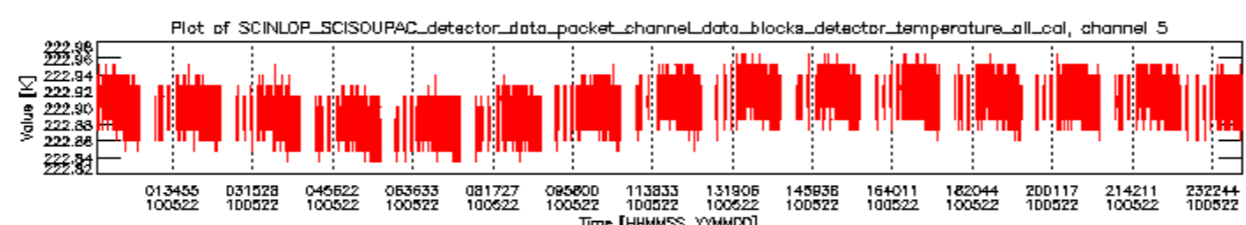
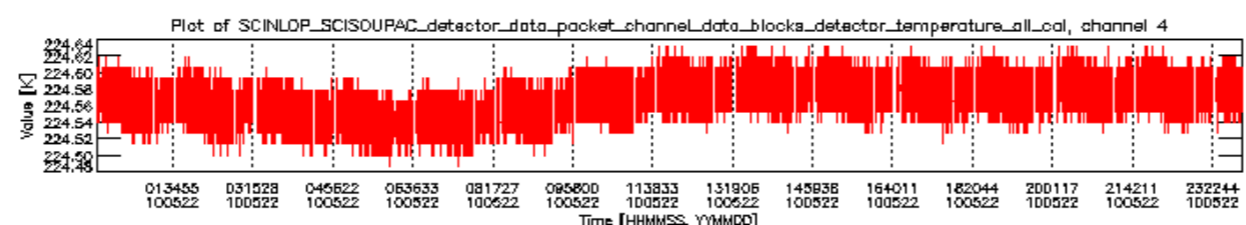
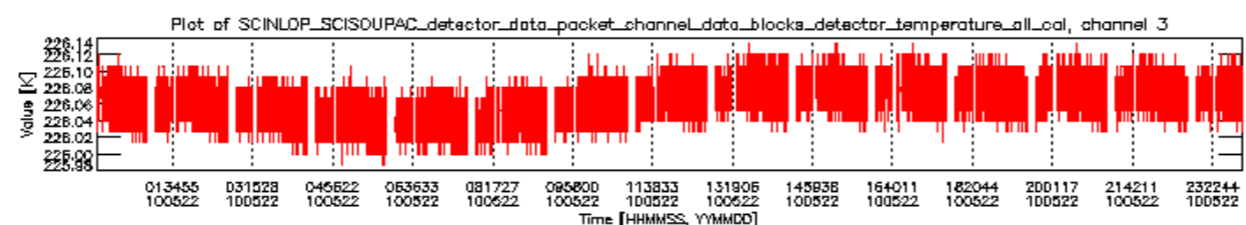
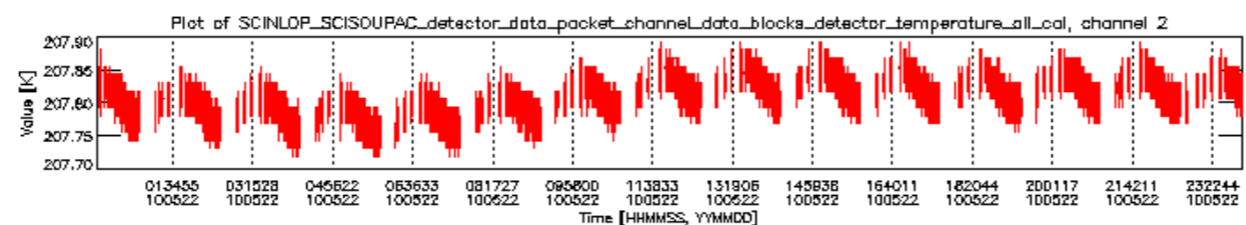
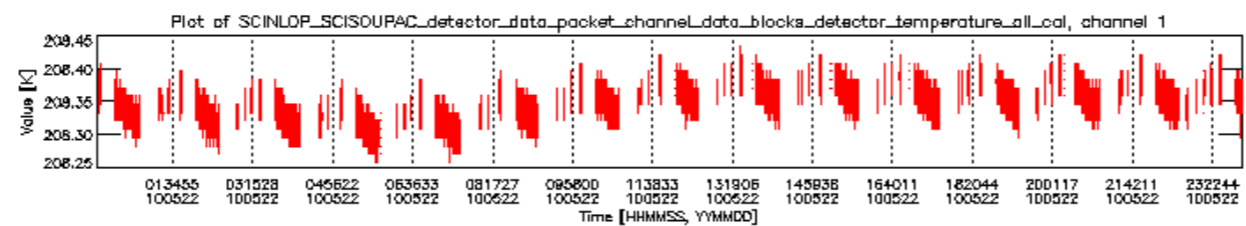
sciamachy_daily_report_level0_Any_version_20100522_8.PNG











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