

## 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	17MAY2008 04:53:35
Data source version	KSPT_L0/4303-N
Processing scope for products	13MAY2008 00:00:00 to 14MAY2008 00:00:00
Start time of first product within scope	12MAY2008 22:28:27
Stop time of last product within scope	14MAY2008 01:17:13
Total number of level 0 products	17
Number of level 0 products with errors	0

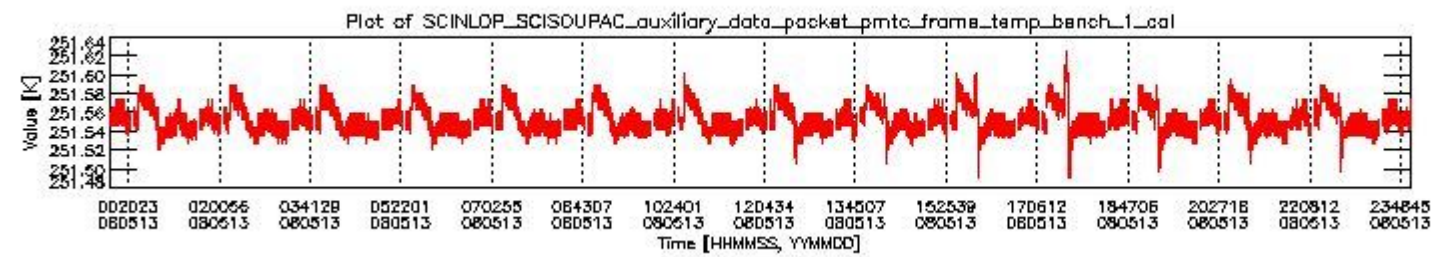
### 0.1.2 Summary per product

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

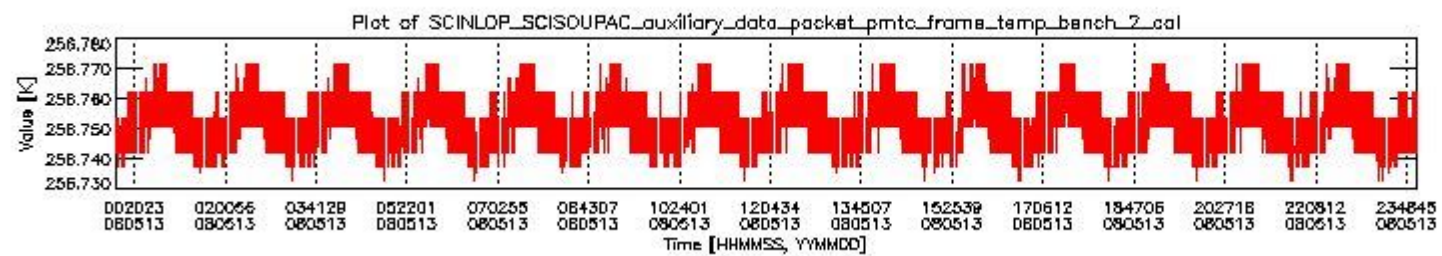
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080512_222827_000059842068_00301_32419_6670.N1	12MAY2008 22:28:27	13MAY2008 00:08:11	0	0	0	0	0
1	SCI_NL__OPNPDE20080513_000737_000059892068_00302_32420_6671.N1	13MAY2008 00:07:37	13MAY2008 01:47:26	0	0	0	0	0
2	SCI_NL__OPNPDE20080513_014642_000047222068_00303_32421_6672.N1	13MAY2008 01:46:42	13MAY2008 03:05:23	0	0	0	0	0
3	SCI_NL__OPNPDE20080513_030523_000057742068_00304_32422_6673.N1	13MAY2008 03:05:23	13MAY2008 04:41:38	0	0	0	0	0
4	SCI_NL__OPNPDE20080513_044138_000061042068_00305_32423_6674.N1	13MAY2008 04:41:38	13MAY2008 06:23:22	0	0	0	0	0
5	SCI_NL__OPNPDK20080513_062213_000041012068_00306_32424_8201.N1	13MAY2008 06:22:13	13MAY2008 07:30:34	0	0	0	0	0
6	SCI_NL__OPNPDK20080513_073034_000061042068_00307_32425_8202.N1	13MAY2008 07:30:34	13MAY2008 09:12:18	0	0	0	0	0
7	SCI_NL__OPNPDK20080513_091122_000060232068_00308_32426_8203.N1	13MAY2008 09:11:22	13MAY2008 10:51:45	0	0	0	0	0
8	SCI_NL__OPNPDK20080513_105049_000060362068_00309_32427_8204.N1	13MAY2008 10:50:49	13MAY2008 12:31:25	0	0	0	0	0
9	SCI_NL__OPNPDK20080513_123016_000059802068_00310_32428_8205.N1	13MAY2008 12:30:16	13MAY2008 14:09:56	0	0	0	0	0
10	SCI_NL__OPNPDK20080513_140956_000059112068_00311_32429_8206.N1	13MAY2008 14:09:56	13MAY2008 15:48:27	0	0	0	0	0
11	SCI_NL__OPNPDK20080513_154732_000059142068_00312_32430_8207.N1	13MAY2008 15:47:32	13MAY2008 17:26:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080513_172510_000059802068_00313_32431_8208.N1	13MAY2008 17:25:10	13MAY2008 19:04:50	0	0	0	0	0
13	SCI_NL__OPNPDK20080513_190245_000060762068_00314_32432_8209.N1	13MAY2008 19:02:45	13MAY2008 20:44:01	0	0	0	0	0
14	SCI_NL__OPNPDE20080513_204253_000042572068_00315_32433_6675.N1	13MAY2008 20:42:53	13MAY2008 21:53:49	0	0	0	0	0
15	SCI_NL__OPNPDE20080513_215305_000062042068_00315_32433_6676.N1	13MAY2008 21:53:05	13MAY2008 23:36:29	0	0	0	0	0
16	SCI_NL__OPNPDE20080513_233556_000060772068_00316_32434_6677.N1	13MAY2008 23:35:56	14MAY2008 01:17:13	0	0	0	0	0

## 0.2 Product Quality Indicators

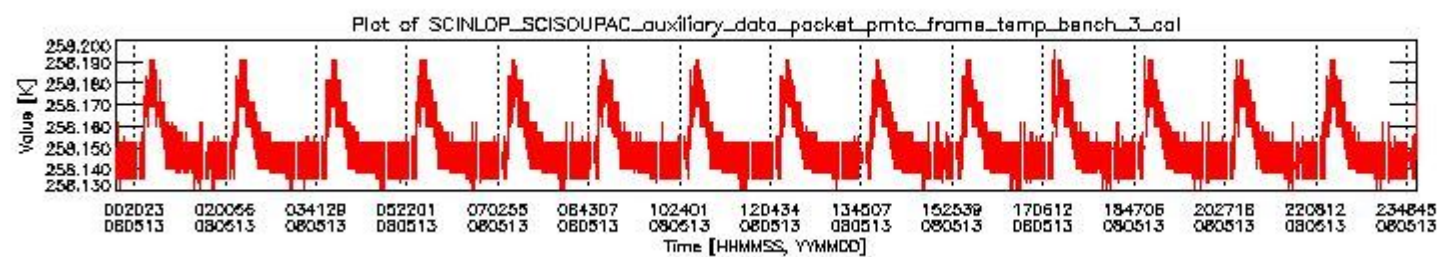
This section shows information about product quality, currently temperatures.



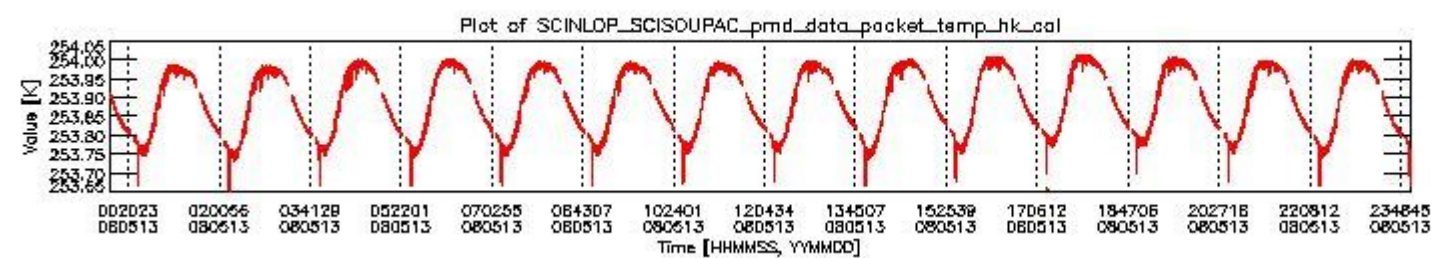
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_1.PNG

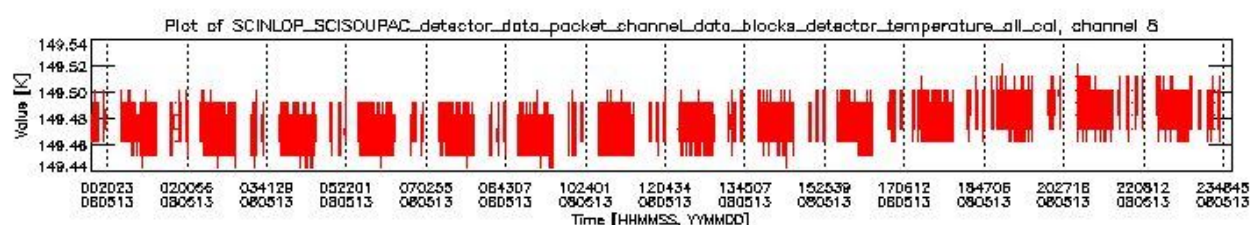
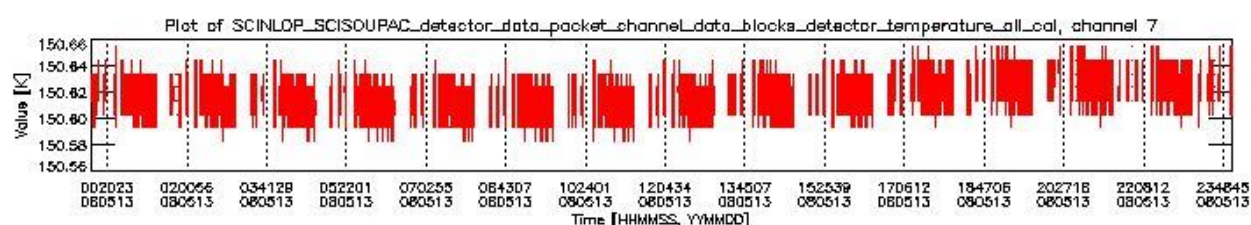
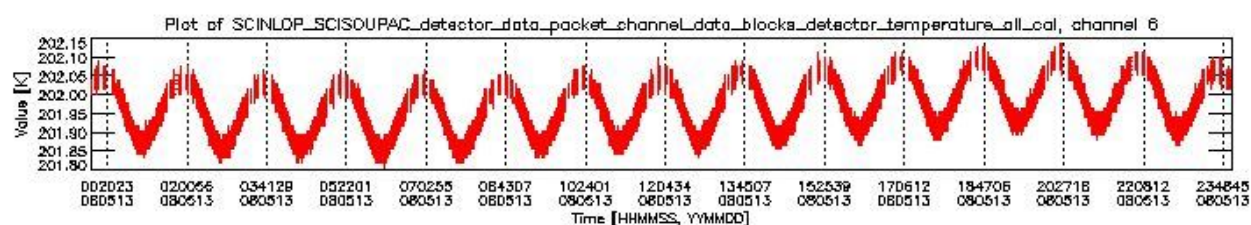
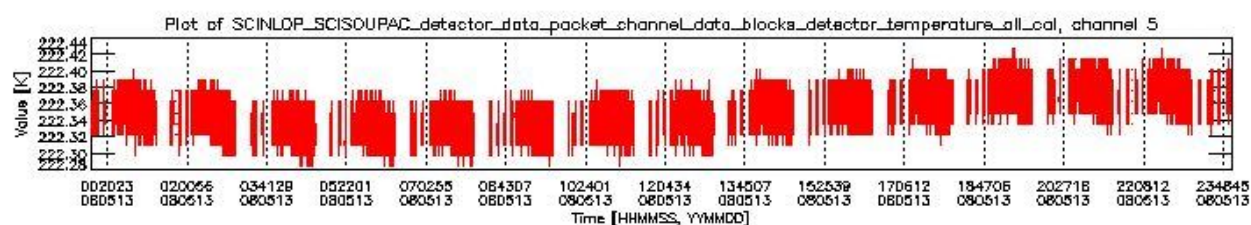
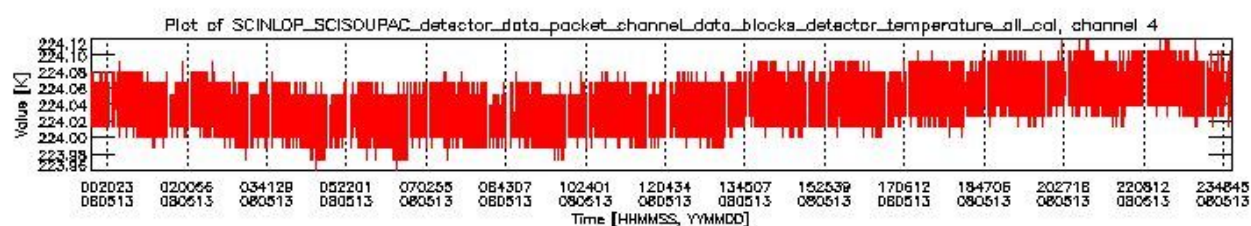
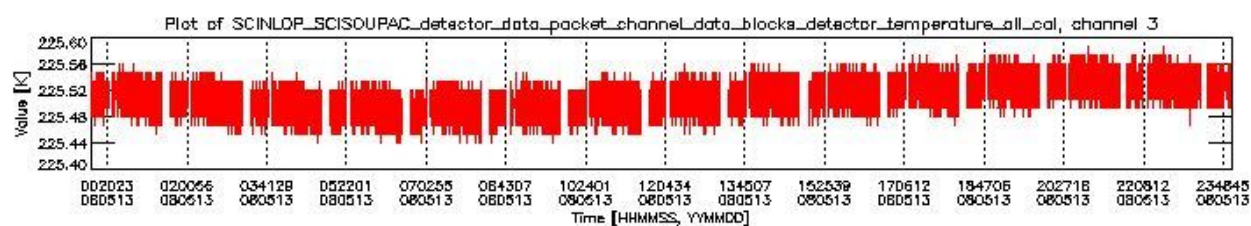
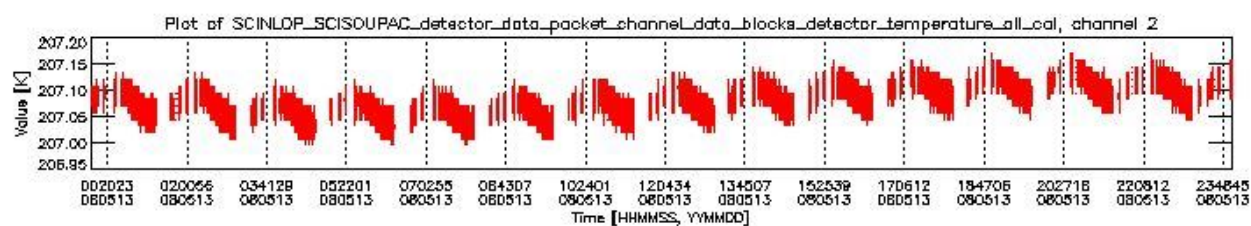
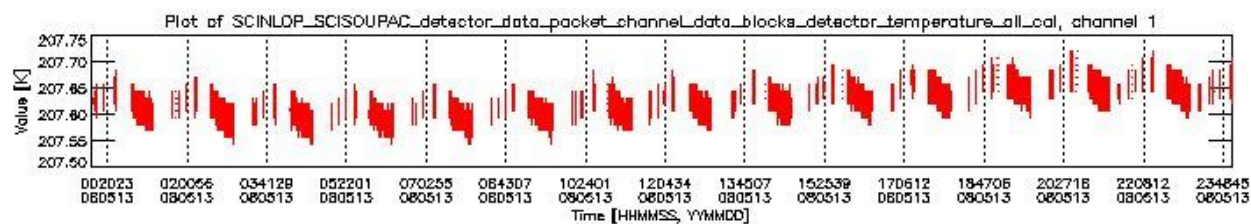


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_3.PNG



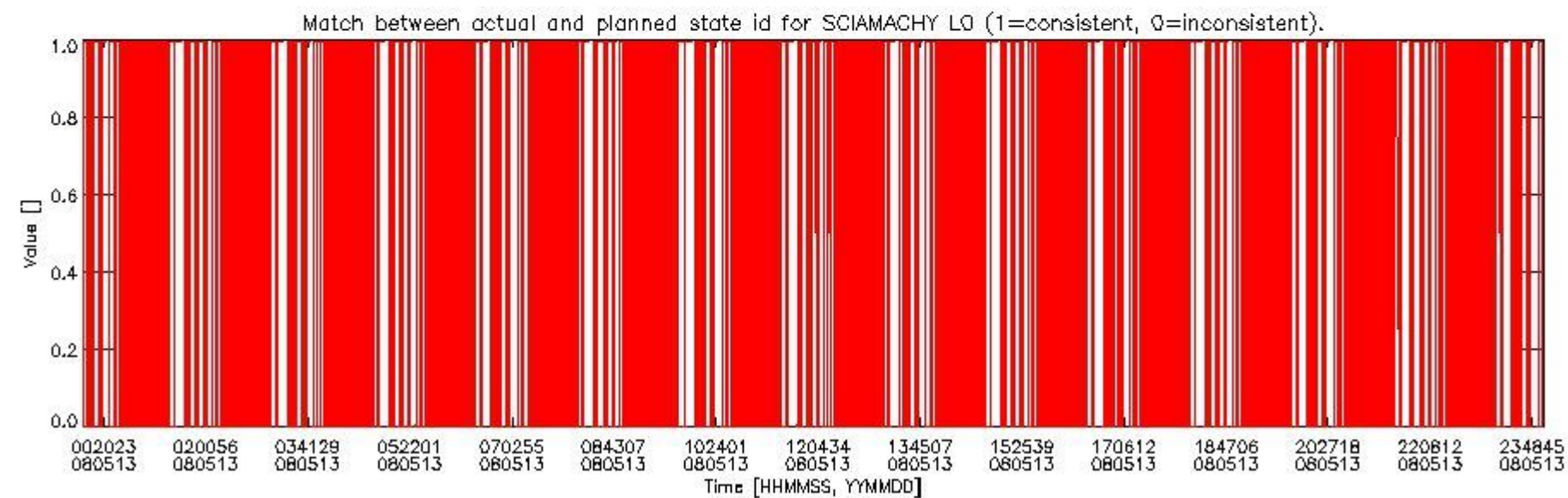
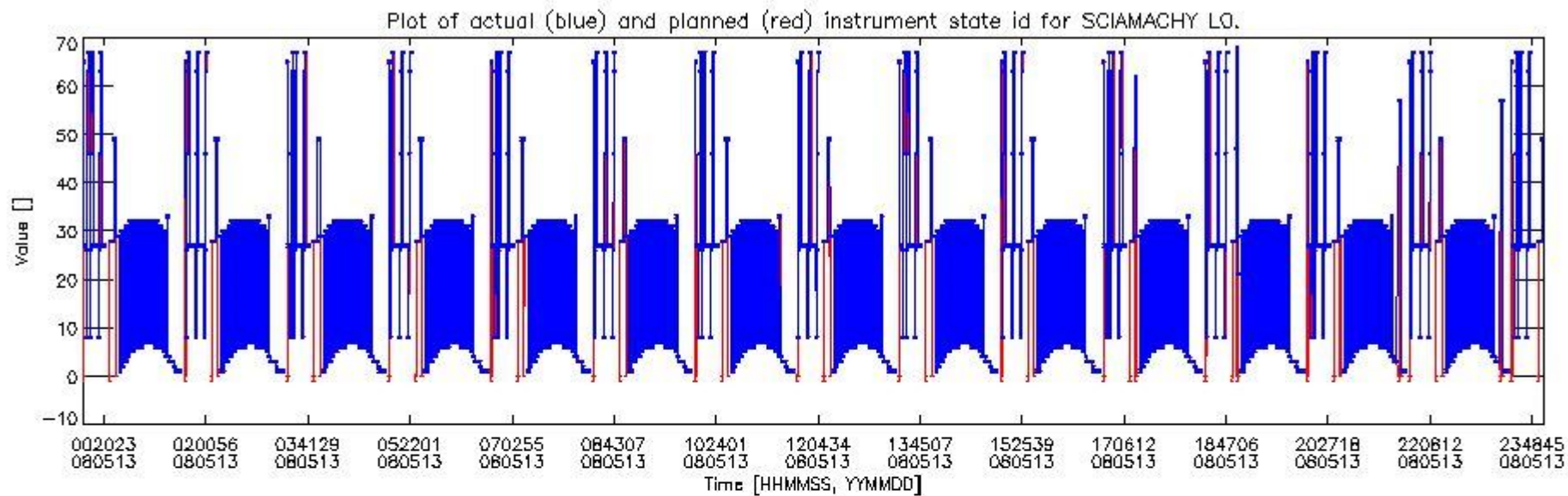


### 0.3 State monitoring

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: **37501**

#	Actual time	Actual value	Planned time	Planned value
0	13MAY2008 00:00:26.859762	27	13MAY2008 00:00:26.859762	0
1	13MAY2008 00:00:27.859756	27	13MAY2008 00:00:27.859756	0
2	13MAY2008 00:00:28.797269	27	13MAY2008 00:00:28.797269	0
3	13MAY2008 00:00:29.547255	27	13MAY2008 00:00:29.547255	0
4	13MAY2008 00:00:30.484767	27	13MAY2008 00:00:30.484767	0
5	13MAY2008 00:00:31.234753	27	13MAY2008 00:00:31.234753	0
6	13MAY2008 00:00:31.859775	27	13MAY2008 00:00:31.859775	0
7	13MAY2008 00:00:32.172266	27	13MAY2008 00:00:32.172266	0
8	13MAY2008 00:00:32.922252	27	13MAY2008 00:00:32.922252	0
9	13MAY2008 00:00:33.859764	27	13MAY2008 00:00:33.859764	0
10	13MAY2008 00:00:34.609790	27	13MAY2008 00:00:34.609790	0
11	13MAY2008 00:02:39.035549	8	13MAY2008 00:02:39.035549	27
12	13MAY2008 00:02:40.160547	8	13MAY2008 00:02:40.160547	27
13	13MAY2008 00:02:41.160582	8	13MAY2008 00:02:41.160582	27
14	13MAY2008 00:02:42.160577	8	13MAY2008 00:02:42.160577	27
15	13MAY2008 00:02:43.160571	8	13MAY2008 00:02:43.160571	27
16	13MAY2008 00:02:44.035562	8	13MAY2008 00:02:44.035562	27
17	13MAY2008 00:02:44.160566	8	13MAY2008 00:02:44.160566	27
18	13MAY2008 00:02:45.160561	8	13MAY2008 00:02:45.160561	27
19	13MAY2008 00:02:46.160555	8	13MAY2008 00:02:46.160555	27
...	...	...	...	...



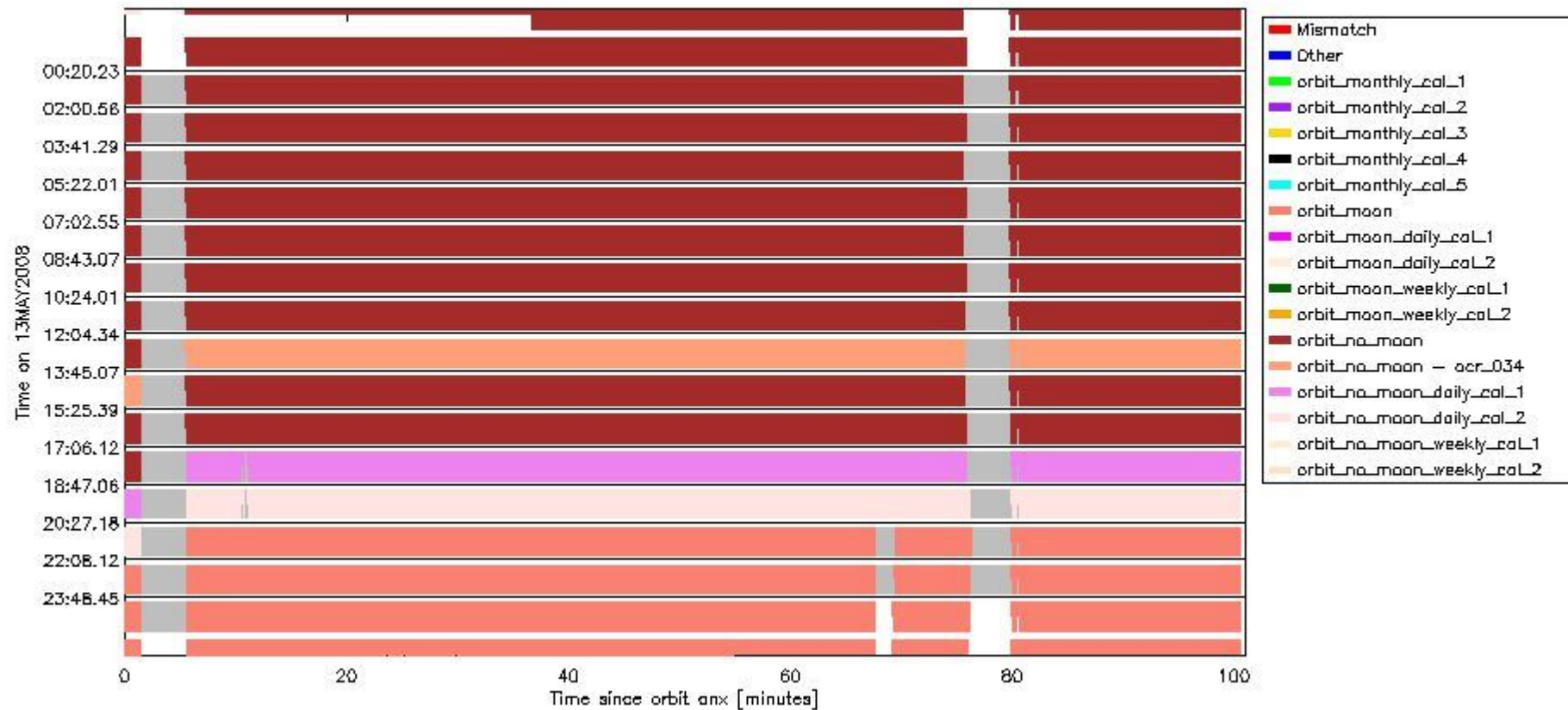
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_5.PNG

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 13MAY2008.  
 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\_20080513\_6.PNG

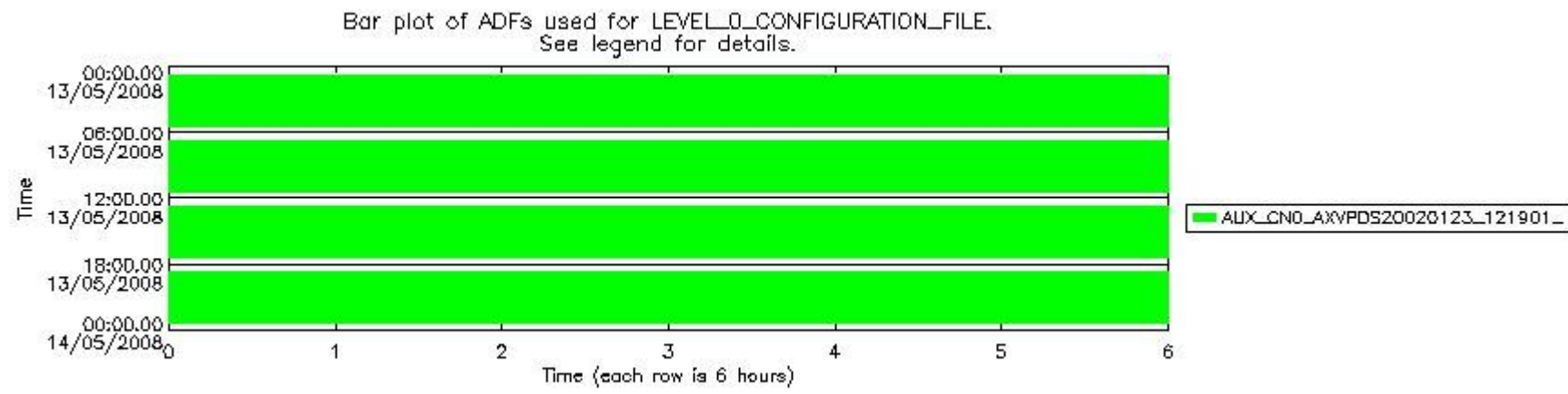
## 0.4 ADF monitoring

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

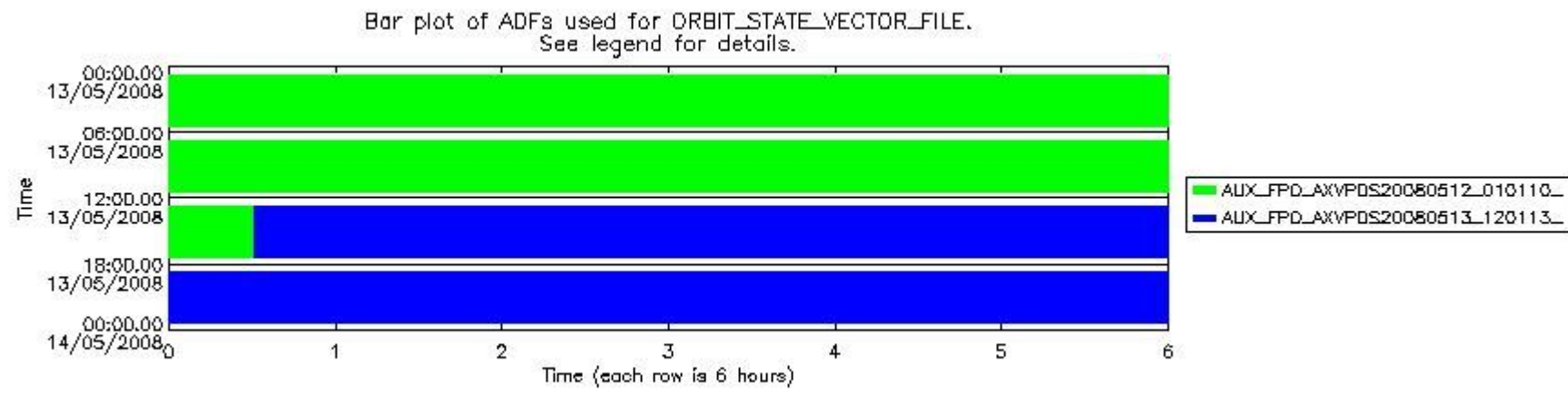
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

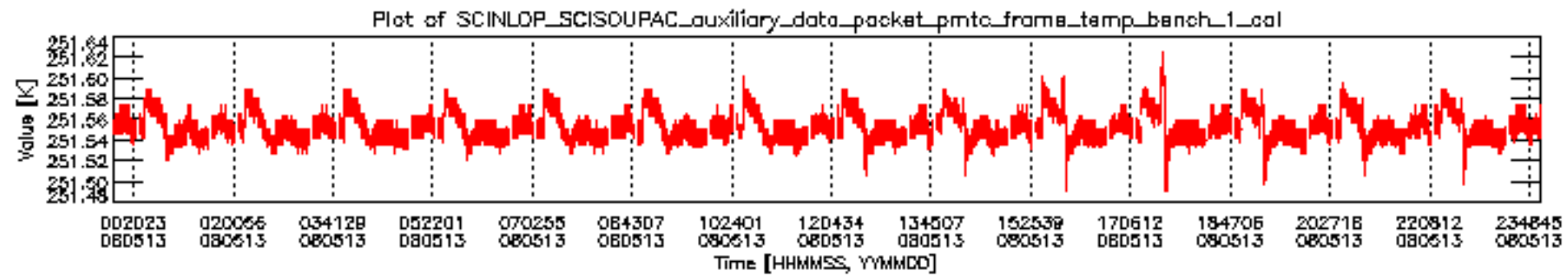
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080512_010110_20080511_195009_20080521_211623</b>
2	<b>AUX_FPO_AXVPDS20080513_120113_20080512_191832_20080522_204446</b>



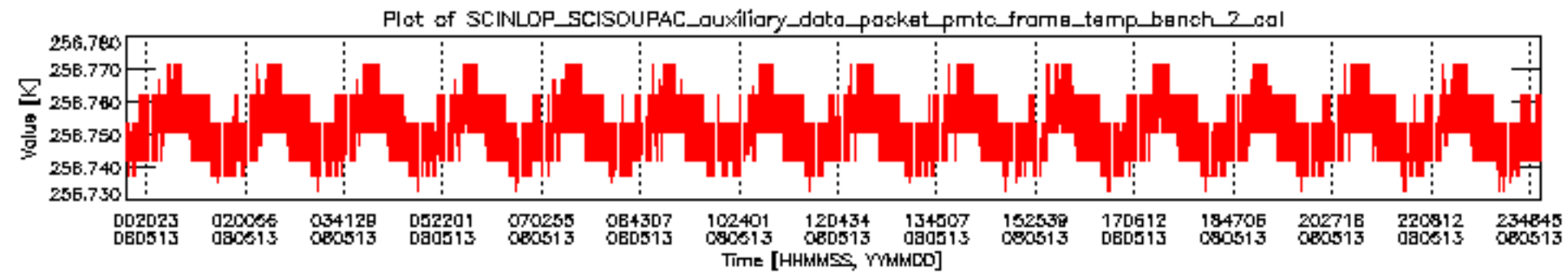
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_7.PNG

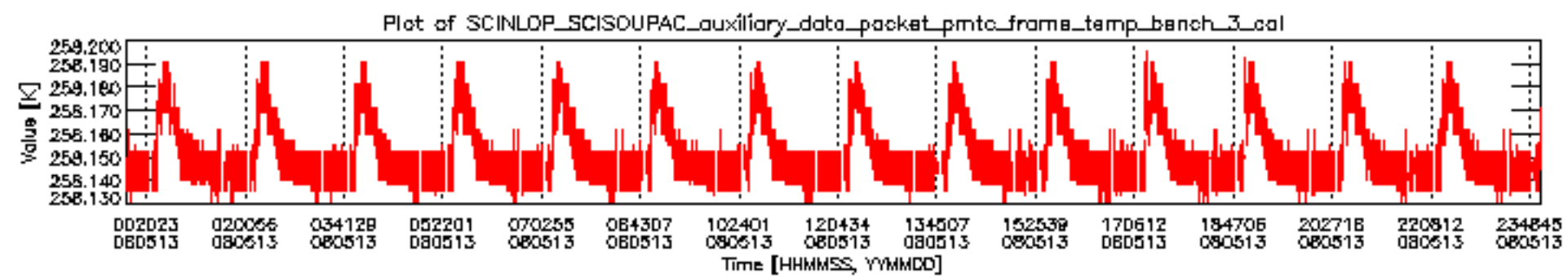


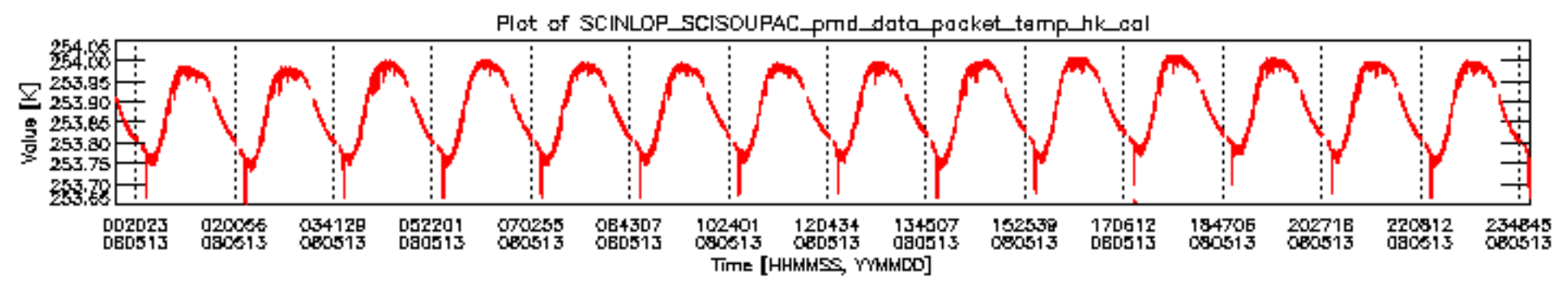
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080513\_8.PNG

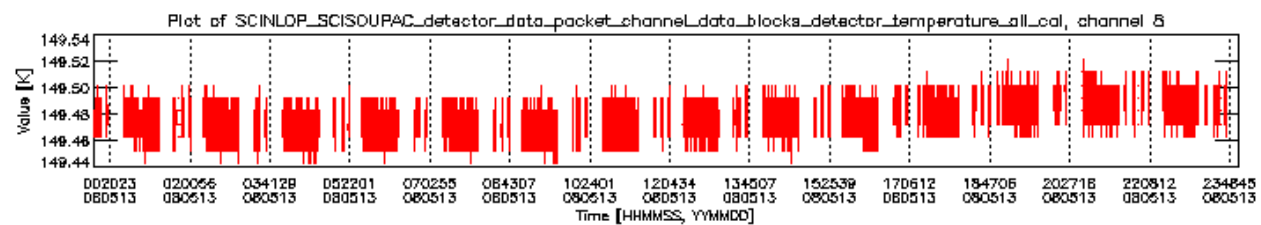
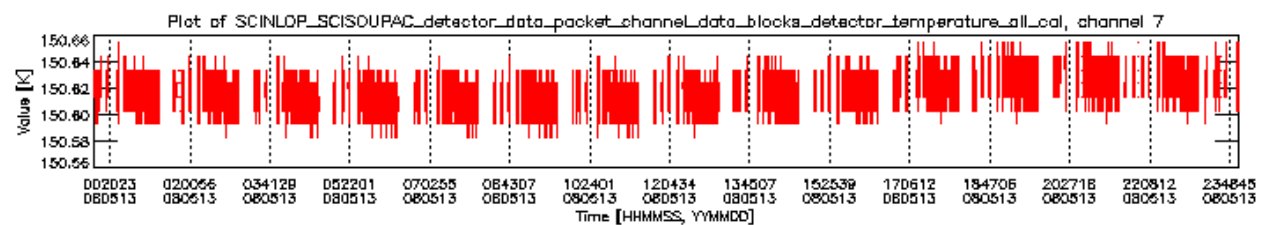
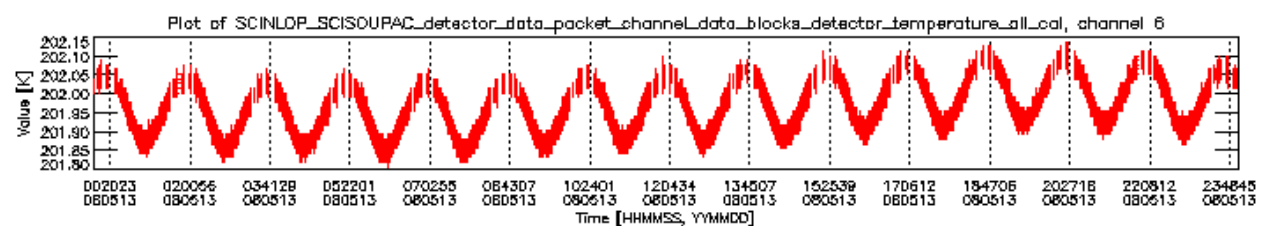
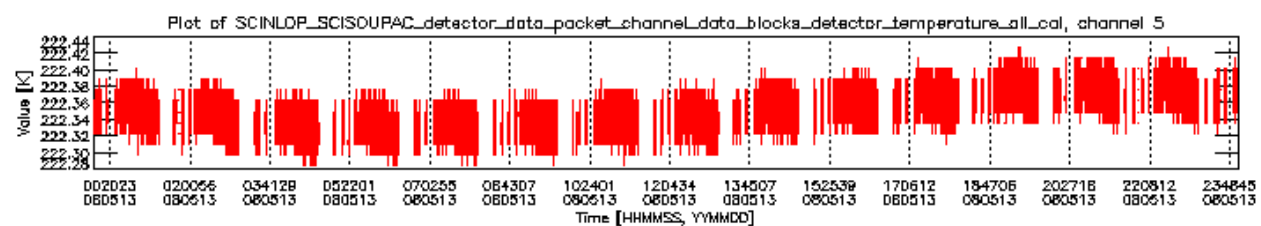
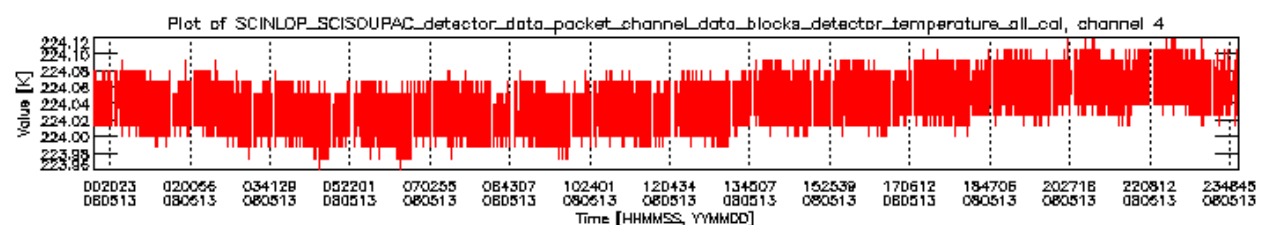
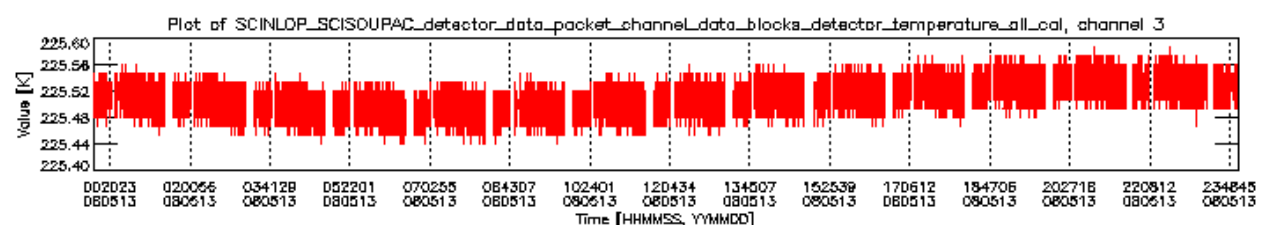
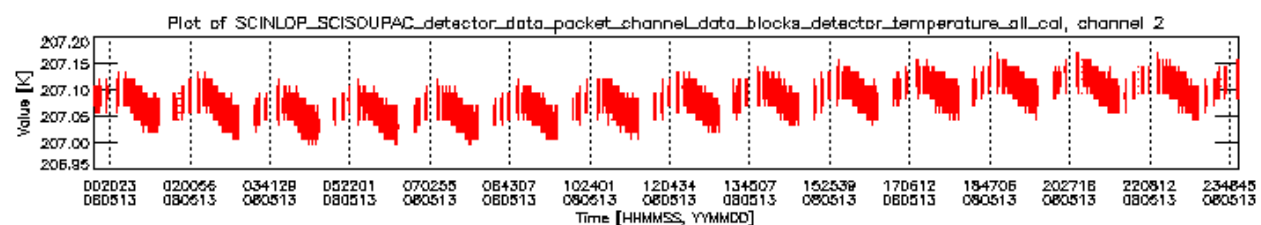
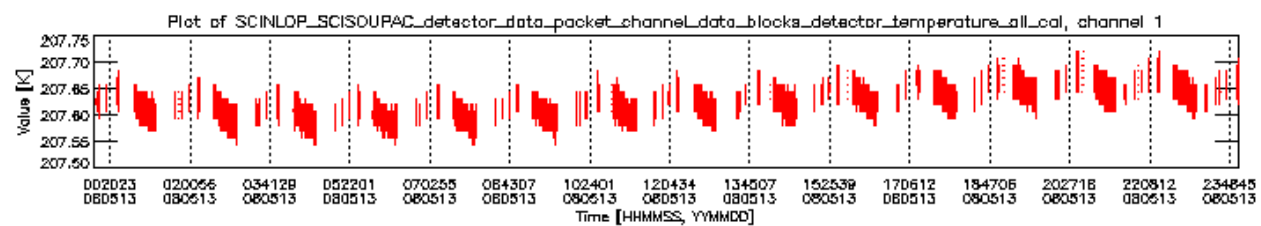




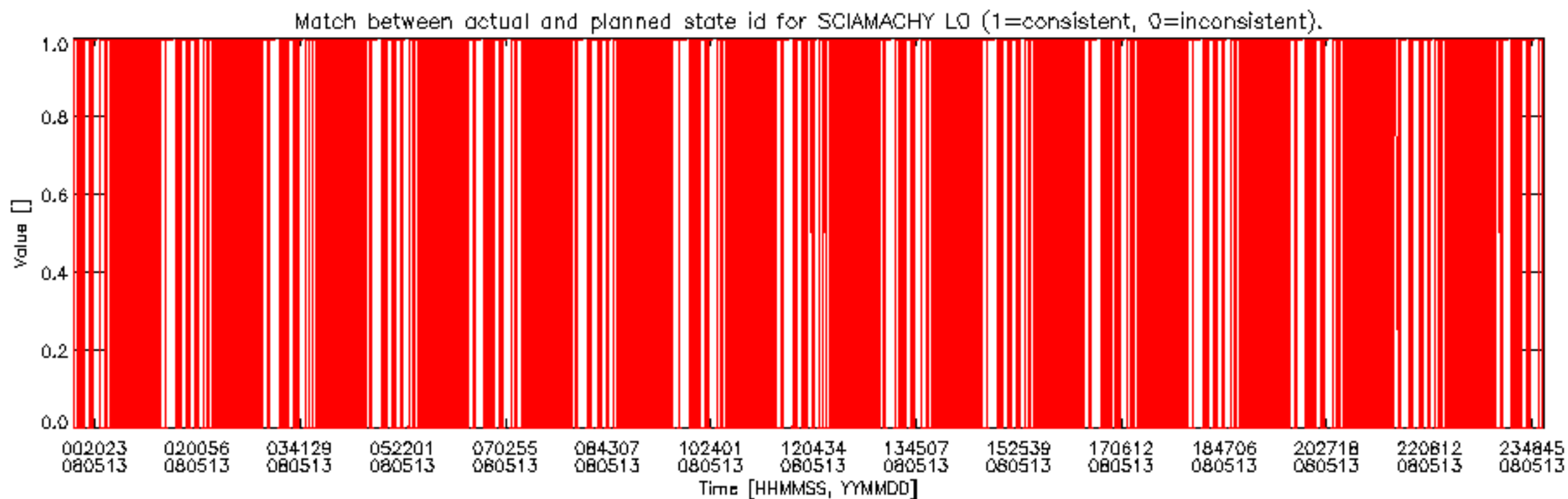
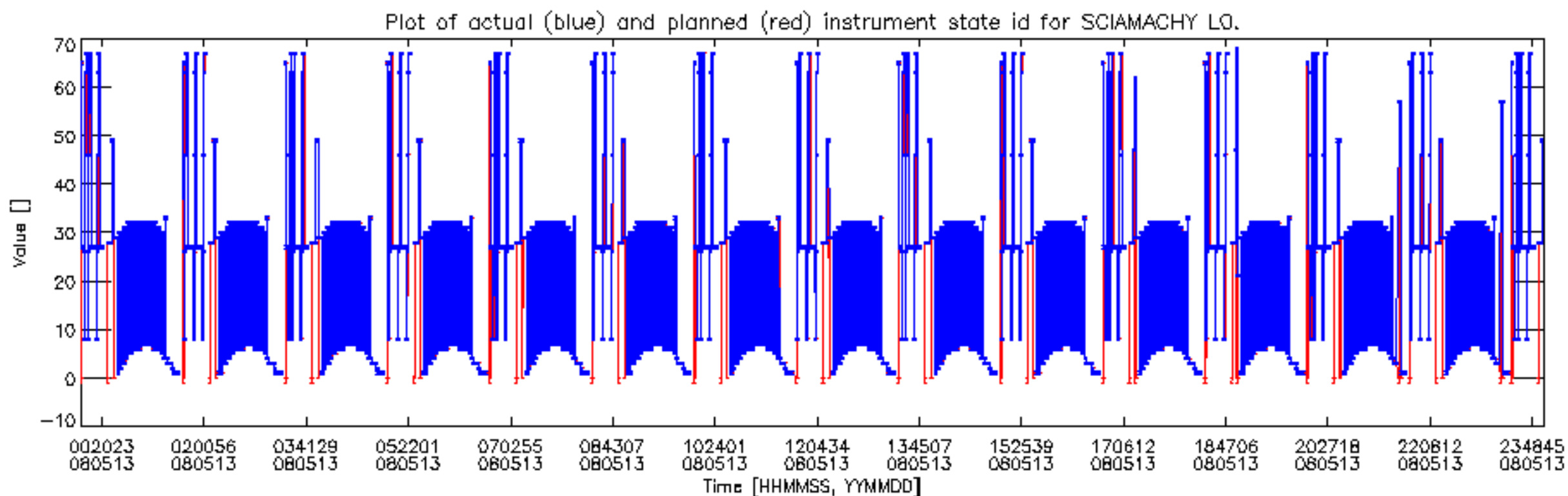












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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