

## 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	15DEC2008 08:53:57
Data source version	KSPT_L0/4303-N
Processing scope for products	11DEC2008 00:00:00 to 12DEC2008 00:00:00
Start time of first product within scope	10DEC2008 23:03:33
Stop time of last product within scope	12DEC2008 00:11:52
Total number of level 0 products	16
Number of level 0 products with errors	3

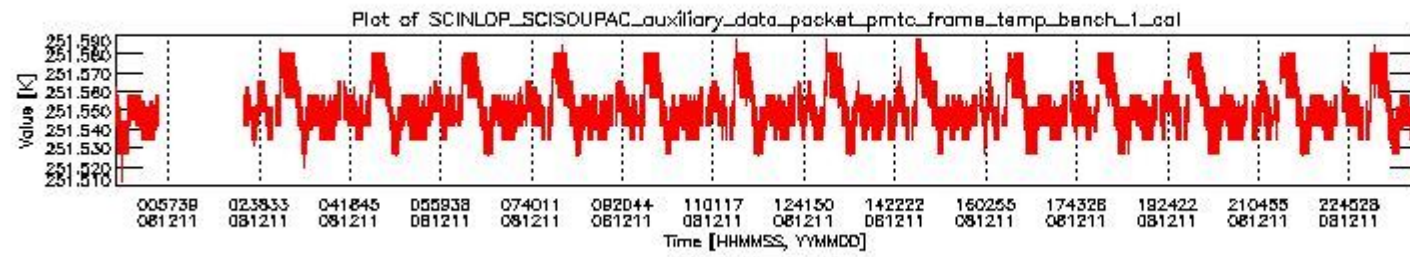
### 0.1.2 Summary per product

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

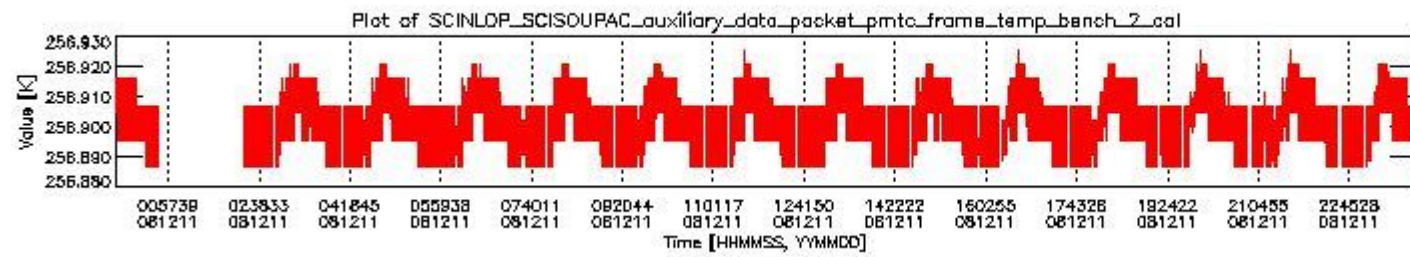
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20081210_230333_000061742074_00330_35454_8069.N1	10DEC2008 23:03:33	11DEC2008 00:46:27	0	0	0	0	0
1	SCI_NL__OPNPDE20081211_022121_000045562074_00332_35456_8071.N1	11DEC2008 02:21:21	11DEC2008 03:37:17	0	0	0	0	0
2	SCI_NL__OPNPDE20081211_033717_000026572074_00333_35457_8072.N1	11DEC2008 03:37:17	11DEC2008 04:21:34	1	1	0	0	0
3	SCI_NL__OPNPDE20081211_042134_000035032074_00334_35458_8073.N1	11DEC2008 04:21:34	11DEC2008 05:19:58	1	1	0	0	0
4	SCI_NL__OPNPDE20081211_051902_000060922074_00334_35458_8074.N1	11DEC2008 05:19:02	11DEC2008 07:00:34	0	0	0	0	0
5	SCI_NL__OPNPDK20081211_070034_000039892074_00335_35459_0158.N1	11DEC2008 07:00:34	11DEC2008 08:07:03	0	0	0	0	0
6	SCI_NL__OPNPDK20081211_080607_000062162074_00336_35460_0159.N1	11DEC2008 08:06:07	11DEC2008 09:49:43	0	0	0	0	0
7	SCI_NL__OPNPDK20081211_094835_000060362074_00337_35461_0160.N1	11DEC2008 09:48:35	11DEC2008 11:29:11	0	0	0	0	0
8	SCI_NL__OPNPDK20081211_112719_000059802074_00338_35462_0161.N1	11DEC2008 11:27:19	11DEC2008 13:06:59	0	0	0	0	0
9	SCI_NL__OPNPDK20081211_130603_000058982074_00339_35463_0162.N1	11DEC2008 13:06:03	11DEC2008 14:44:21	0	0	0	0	0
10	SCI_NL__OPNPDK20081211_144421_000058672074_00340_35464_0163.N1	11DEC2008 14:44:21	11DEC2008 16:22:09	1	1	1	0	0
11	SCI_NL__OPNPDK20081211_162113_000060362074_00341_35465_0164.N1	11DEC2008 16:21:13	11DEC2008 18:01:49	0	0	0	0	0
12	SCI_NL__OPNPDK20081211_180149_000057582074_00342_35466_0165.N1	11DEC2008 18:01:49	11DEC2008 19:37:47	0	0	0	0	0
13	SCI_NL__OPNPDE20081211_194225_000038442074_00343_35467_8075.N1	11DEC2008 19:42:25	11DEC2008 20:46:29	0	0	0	0	0
14	SCI_NL__OPNPDE20081211_204629_000062442074_00343_35467_8076.N1	11DEC2008 20:46:29	11DEC2008 22:30:33	0	0	0	0	0
15	SCI_NL__OPNPDE20081211_223820_000056122074_00344_35468_8077.N1	11DEC2008 22:38:20	12DEC2008 00:11:52	0	0	0	0	0

## 0.2 Product Quality Indicators

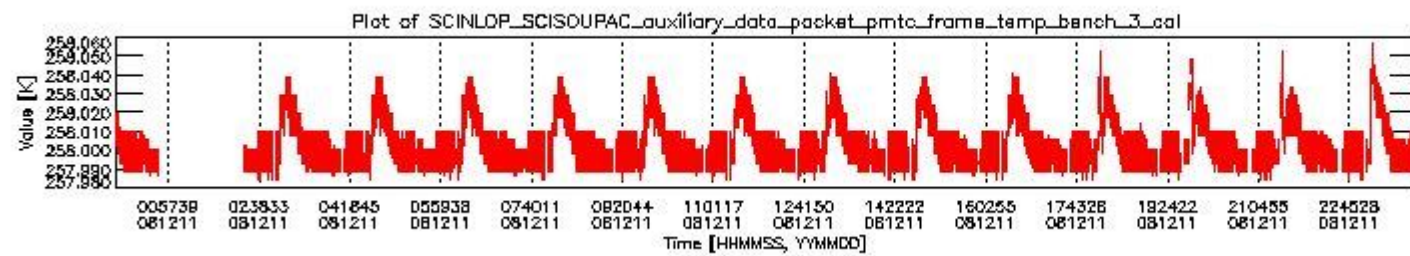
This section shows information about product quality, currently temperatures.



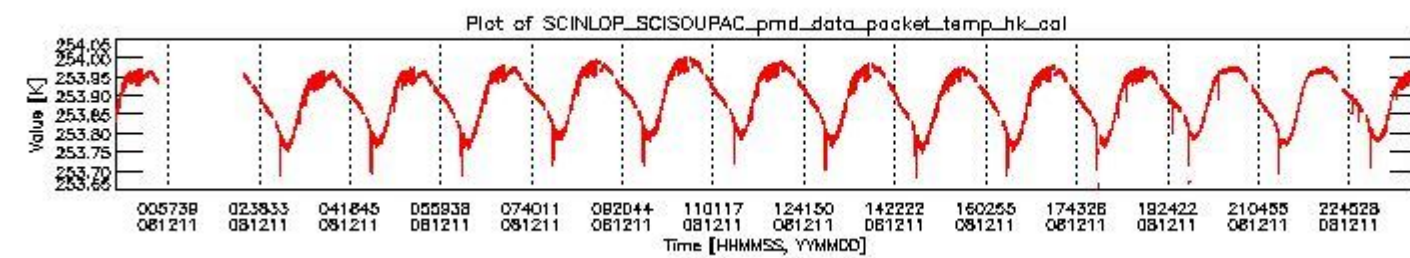
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_0.PNG



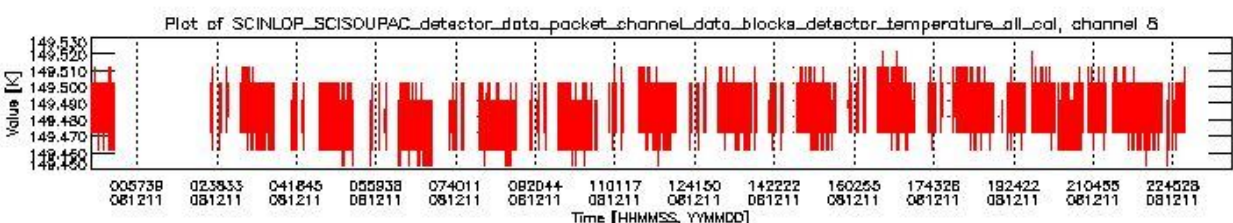
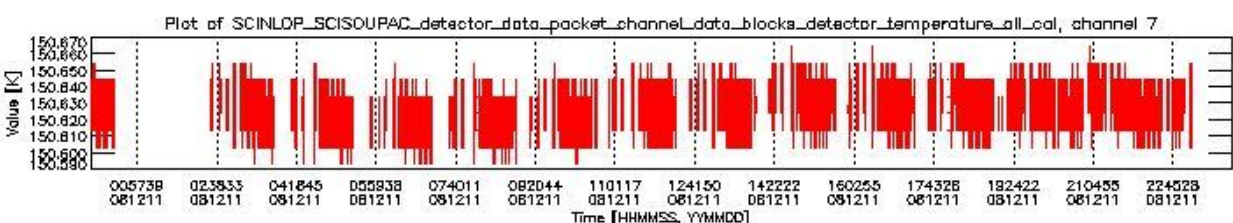
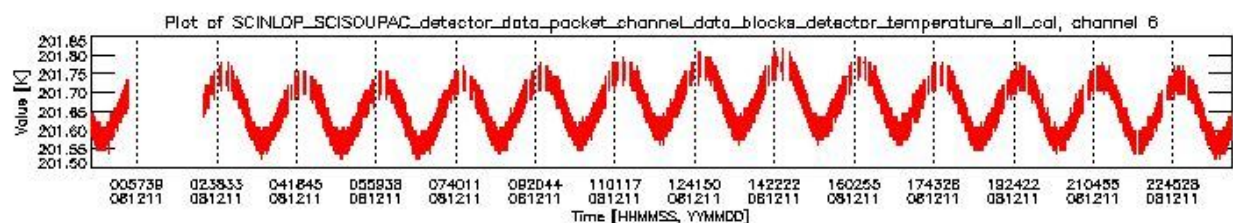
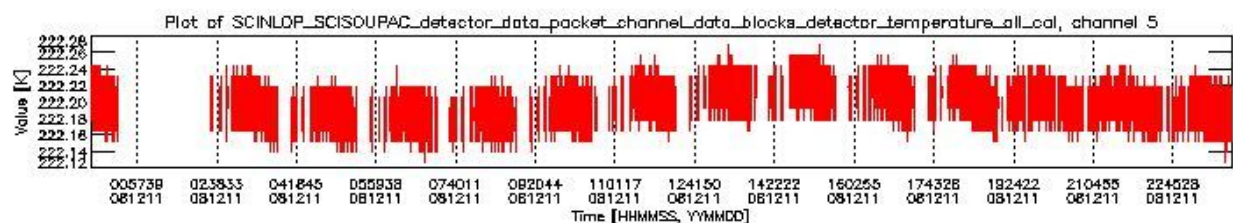
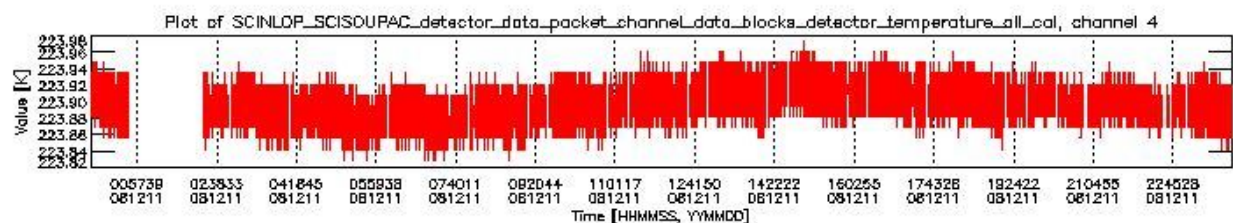
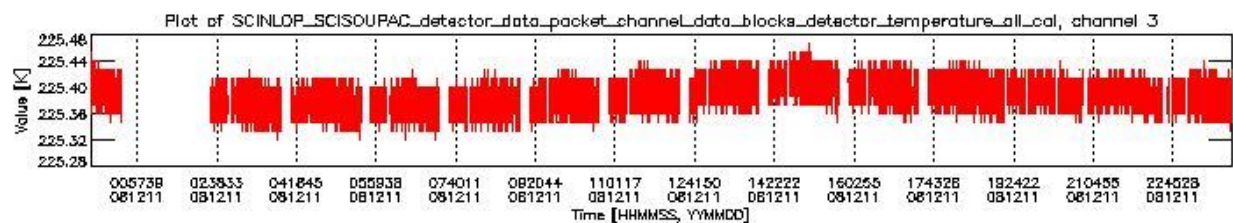
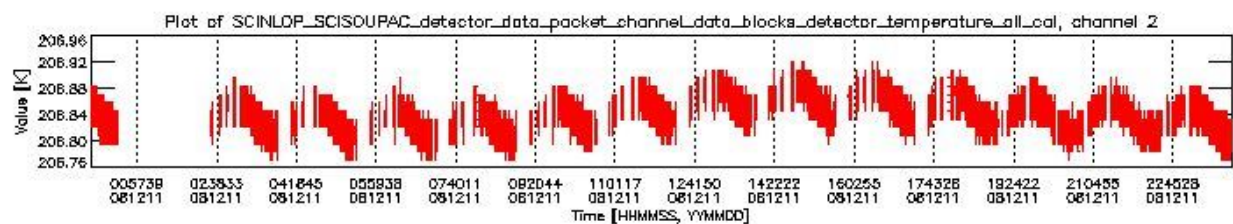
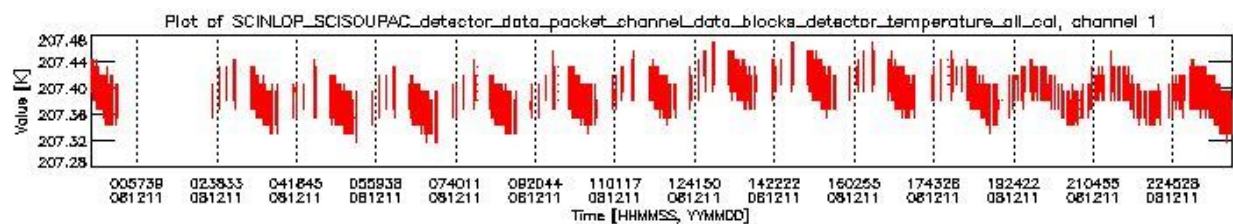
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sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_3.PNG

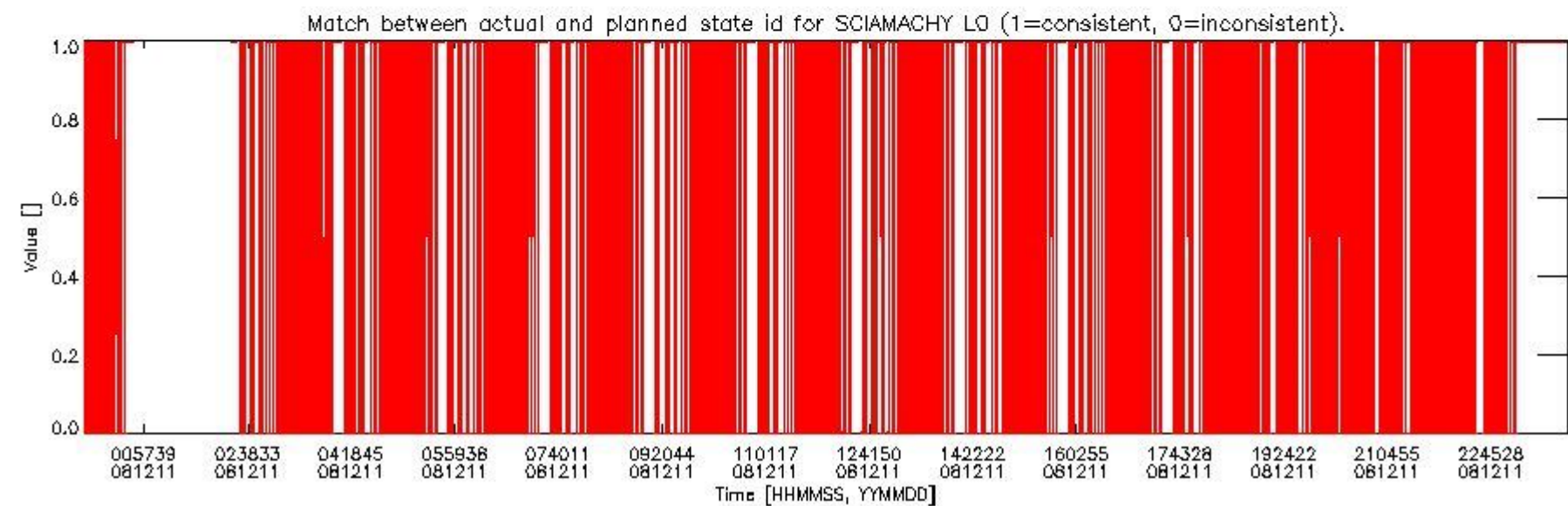
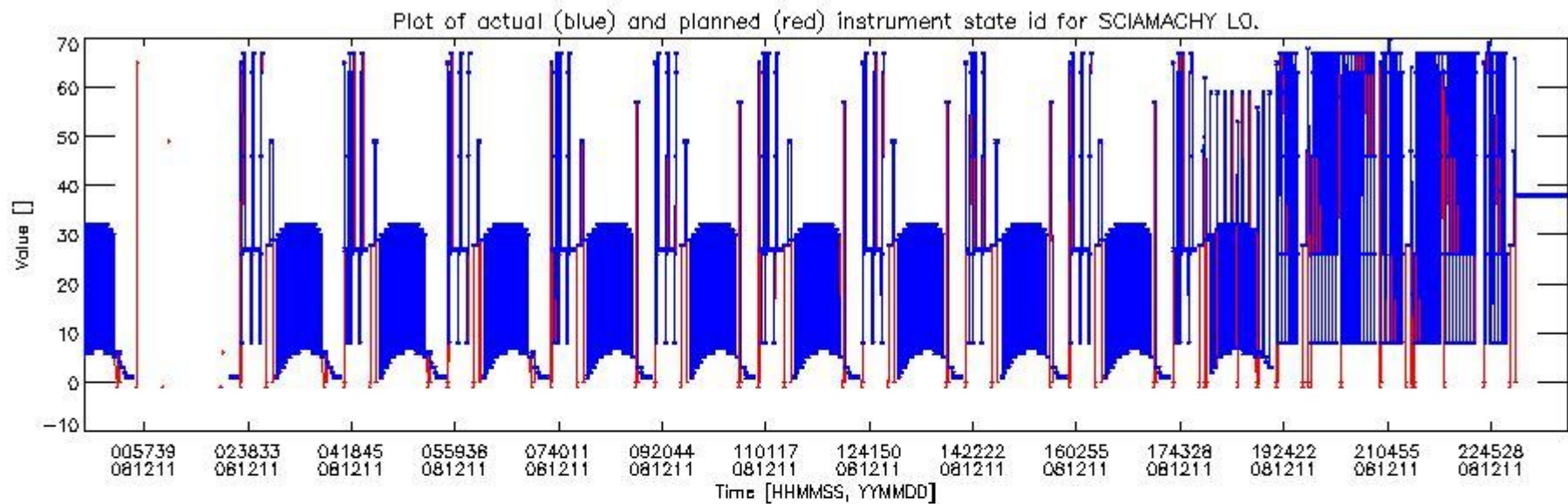


### 0.3 State monitoring

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: **41127**

#	Actual time	Actual value	Planned time	Planned value
0	11DEC2008 00:00:38.782208	32	11DEC2008 00:00:38.782208	6
1	11DEC2008 00:00:39.407229	32	11DEC2008 00:00:39.407229	6
2	11DEC2008 00:00:39.782202	32	11DEC2008 00:00:39.782202	6
3	11DEC2008 00:00:40.157215	32	11DEC2008 00:00:40.157215	6
4	11DEC2008 00:00:40.719715	32	11DEC2008 00:00:40.719715	6
5	11DEC2008 00:00:41.094728	32	11DEC2008 00:00:41.094728	6
6	11DEC2008 00:00:41.469701	32	11DEC2008 00:00:41.469701	6
7	11DEC2008 00:00:41.844714	32	11DEC2008 00:00:41.844714	6
8	11DEC2008 00:00:42.407213	32	11DEC2008 00:00:42.407213	6
9	11DEC2008 00:00:42.782226	32	11DEC2008 00:00:42.782226	6
10	11DEC2008 00:00:43.157199	32	11DEC2008 00:00:43.157199	6
11	11DEC2008 00:00:43.532212	32	11DEC2008 00:00:43.532212	6
12	11DEC2008 00:00:43.782221	32	11DEC2008 00:00:43.782221	6
13	11DEC2008 00:00:44.094712	32	11DEC2008 00:00:44.094712	6
14	11DEC2008 00:00:44.469725	32	11DEC2008 00:00:44.469725	6
15	11DEC2008 00:00:44.844697	32	11DEC2008 00:00:44.844697	6
16	11DEC2008 00:00:45.219710	32	11DEC2008 00:00:45.219710	6
17	11DEC2008 00:00:45.782210	32	11DEC2008 00:00:45.782210	6
18	11DEC2008 00:00:46.157223	32	11DEC2008 00:00:46.157223	6
19	11DEC2008 00:00:46.532196	32	11DEC2008 00:00:46.532196	6
...	...	...	...	...

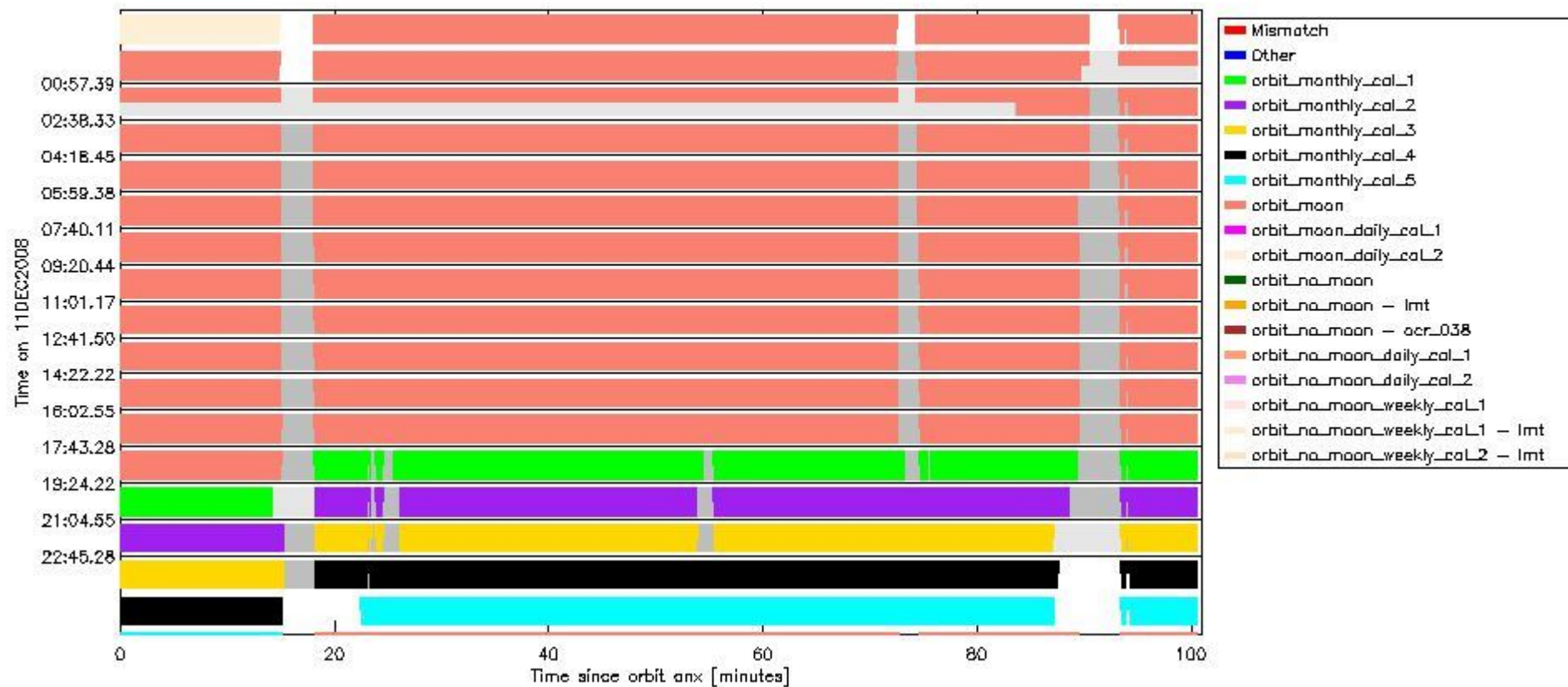


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_5.PNG

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 11DEC2008.  
 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\_20081211\_6.PNG

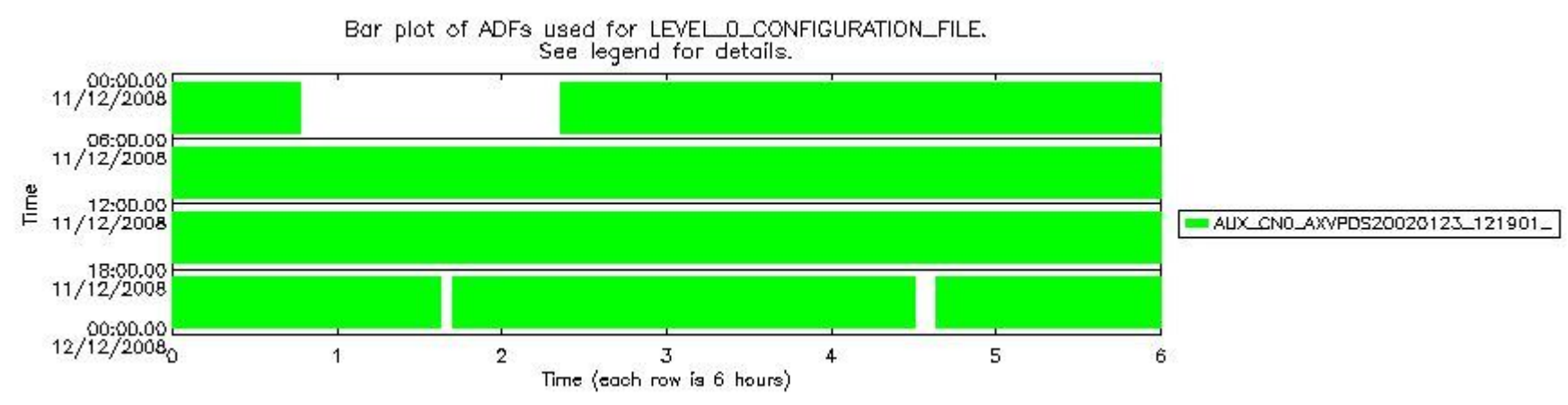
## 0.4 ADF monitoring

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

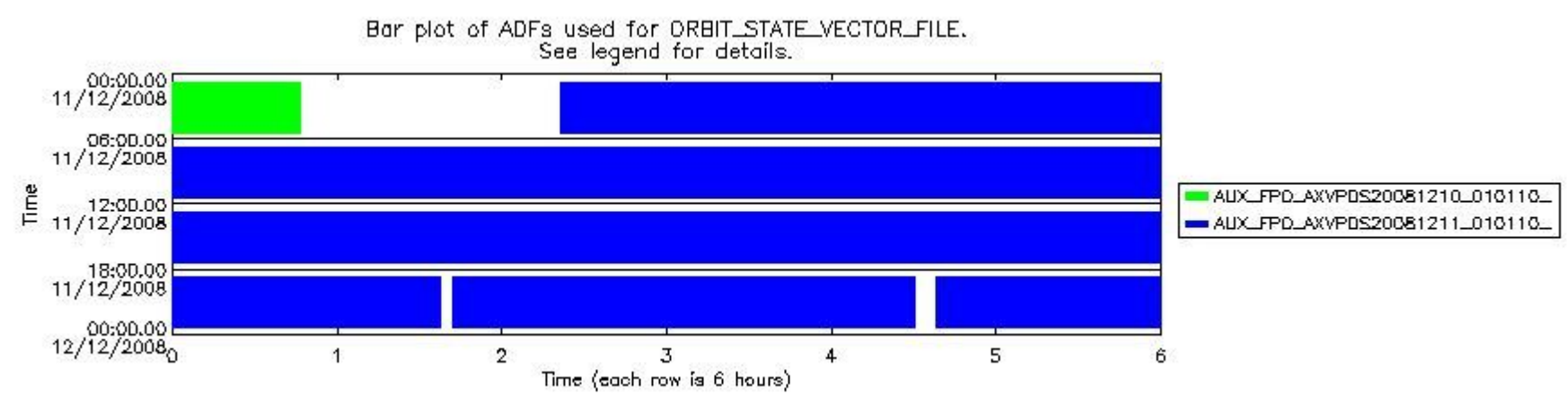
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

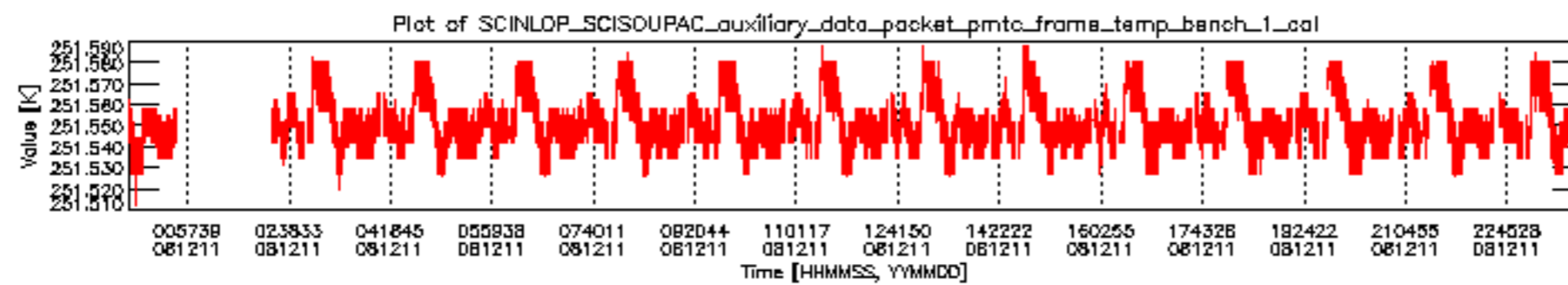
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20081210_010110_20081209_184654_20081219_201308</b>
2	<b>AUX_FPO_AXVPDS20081211_010110_20081210_195553_20081220_212207</b>



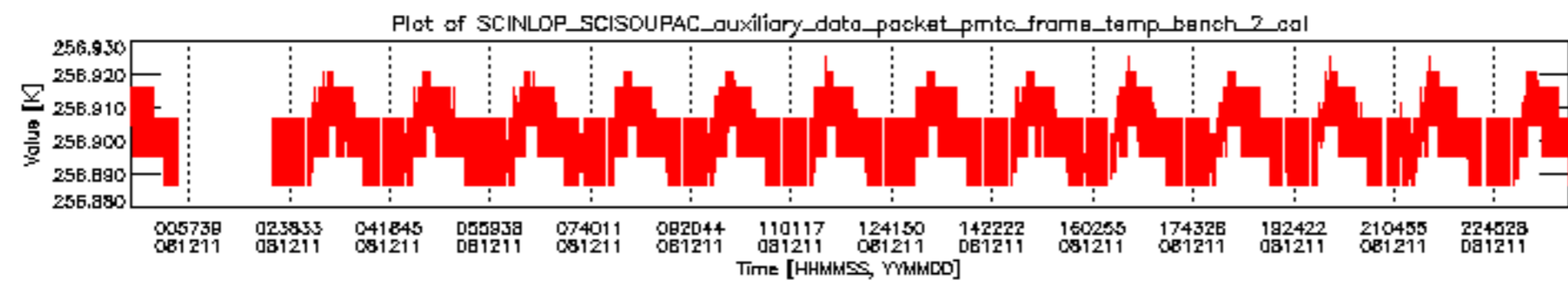
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_7.PNG

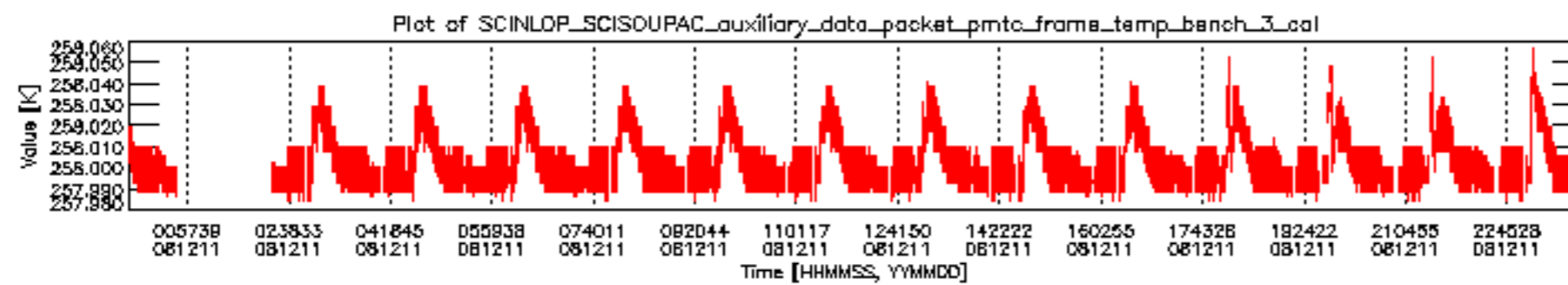


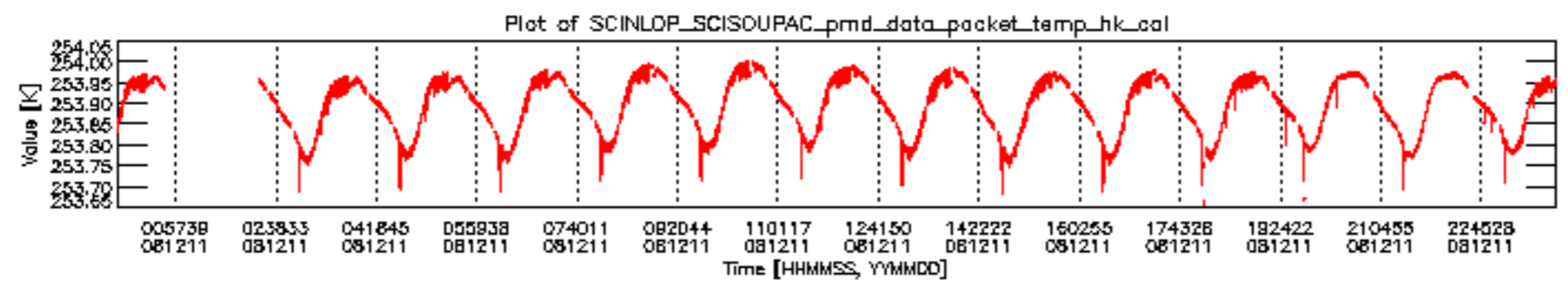
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20081211\_8.PNG

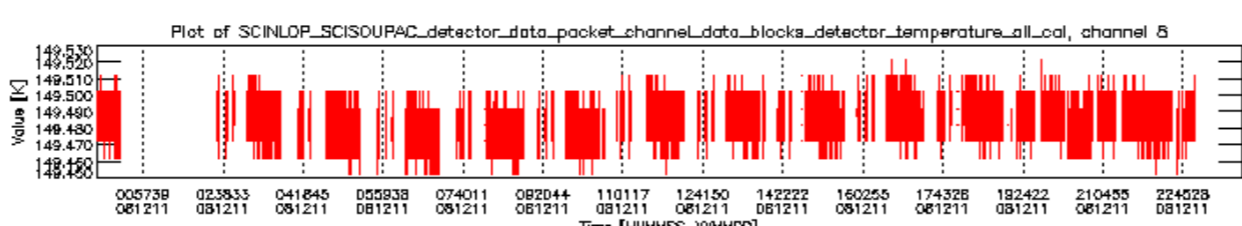
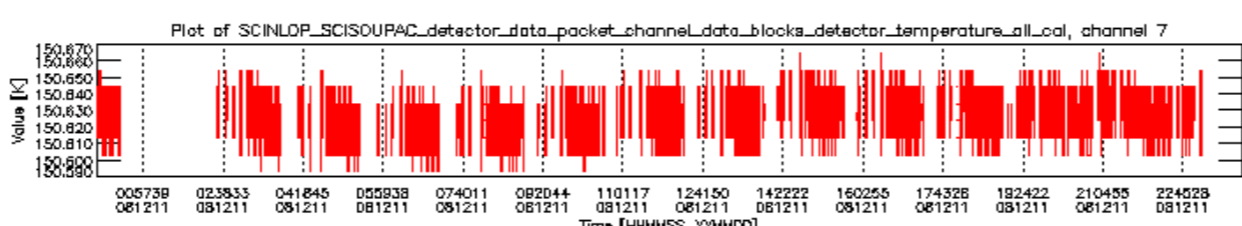
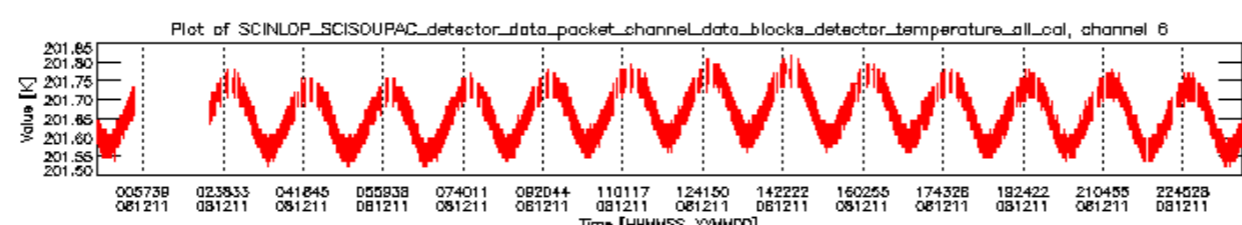
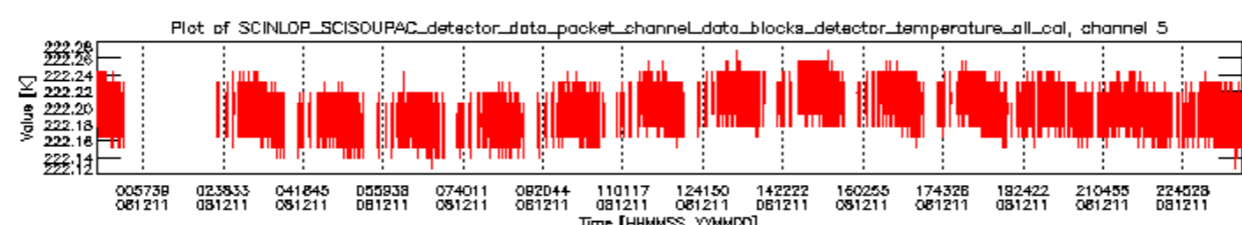
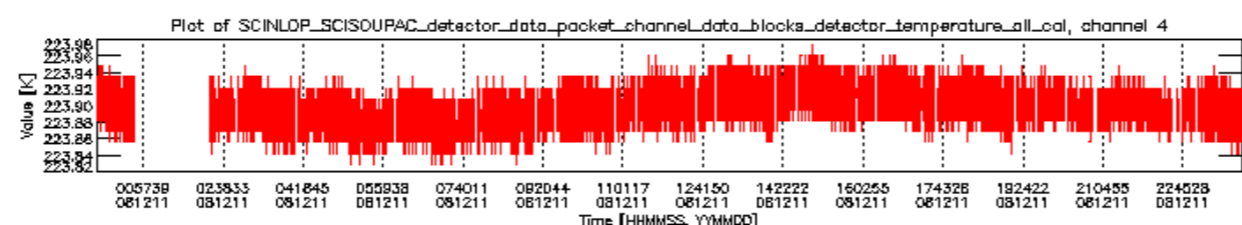
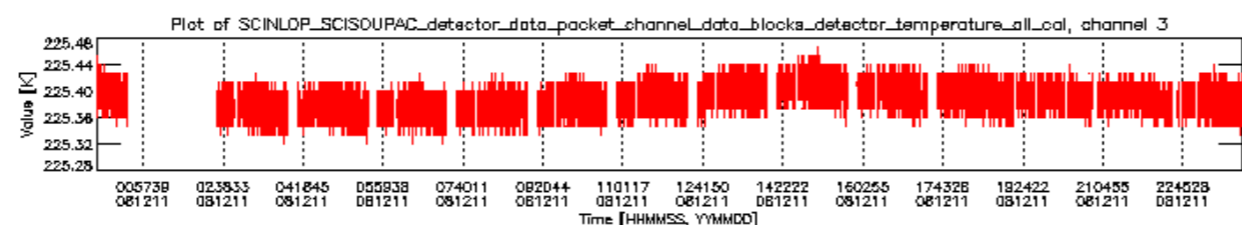
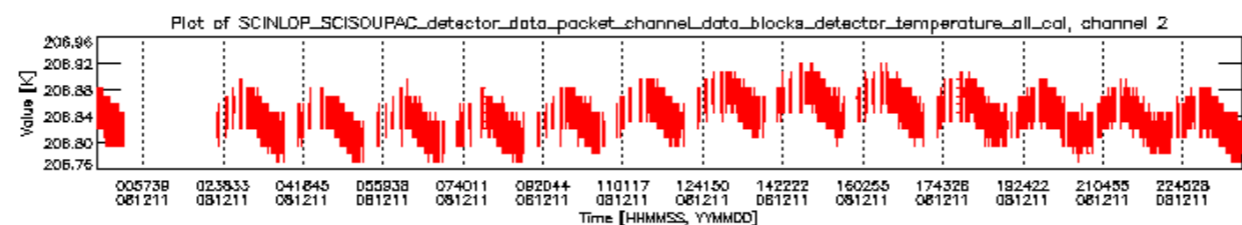
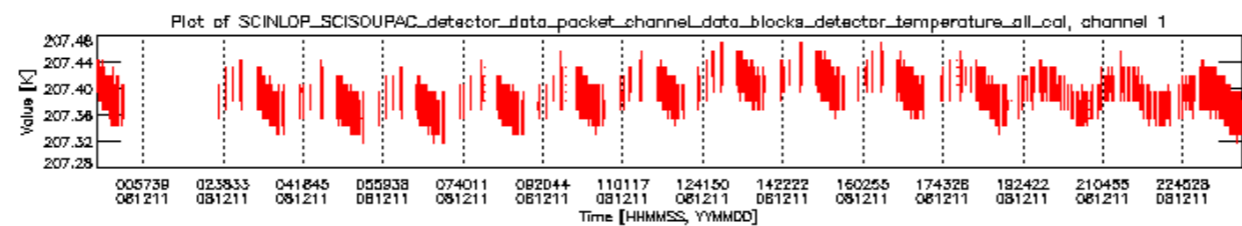


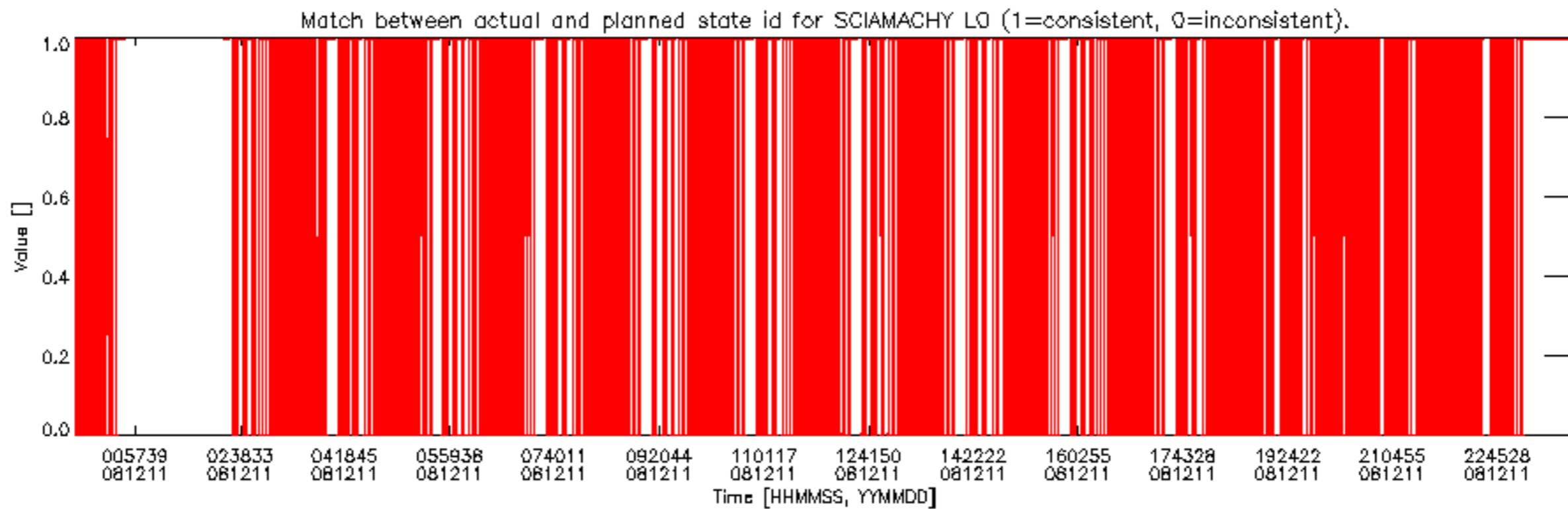
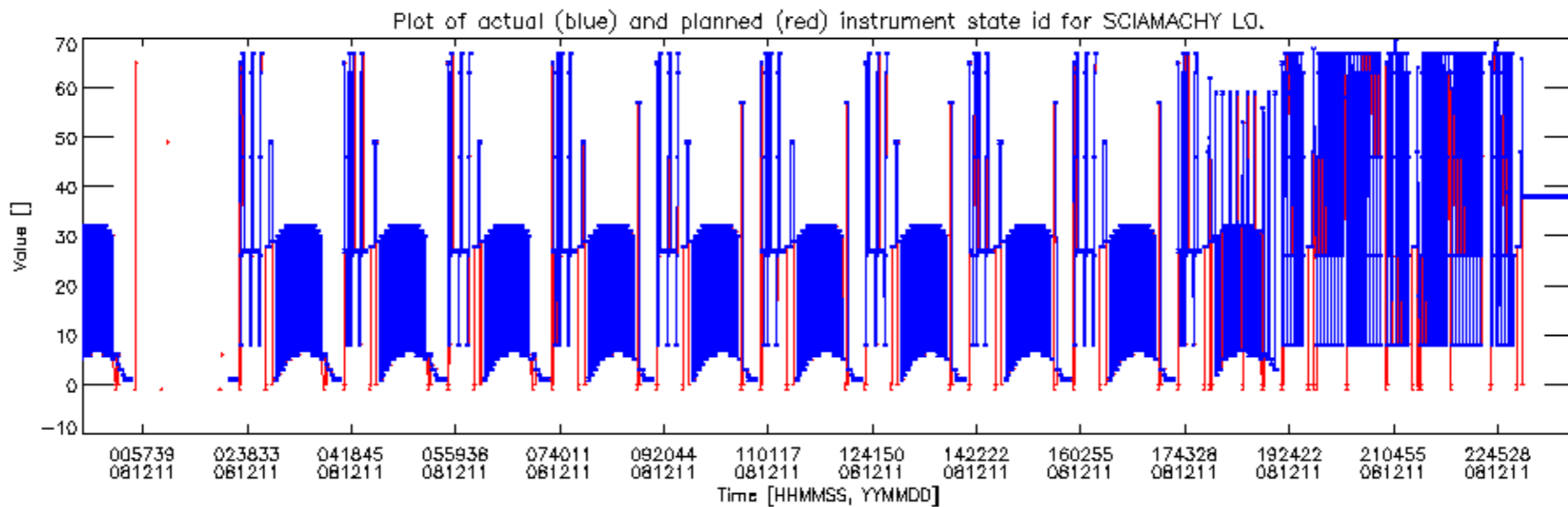












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 11DEC2008.  
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