

# 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	15SEP2006 03:48:37
Data source version	PFHS/5.37-N
Processing scope for products	11SEP2006 00:00:00 to 12SEP2006 00:00:00
Start time of first product within scope	11SEP2006 14:41:41
Stop time of last product within scope	12SEP2006 00:49:02
Total number of level 0 products	7
Number of level 0 products with errors	7

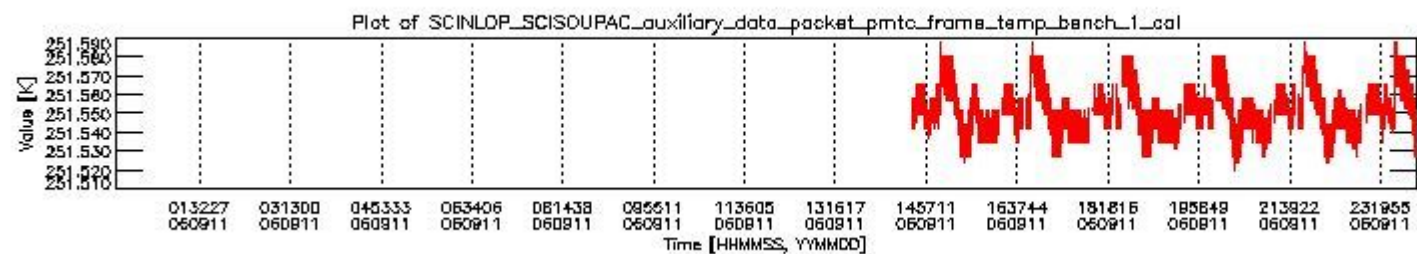
### 0.1.2 Summary per product

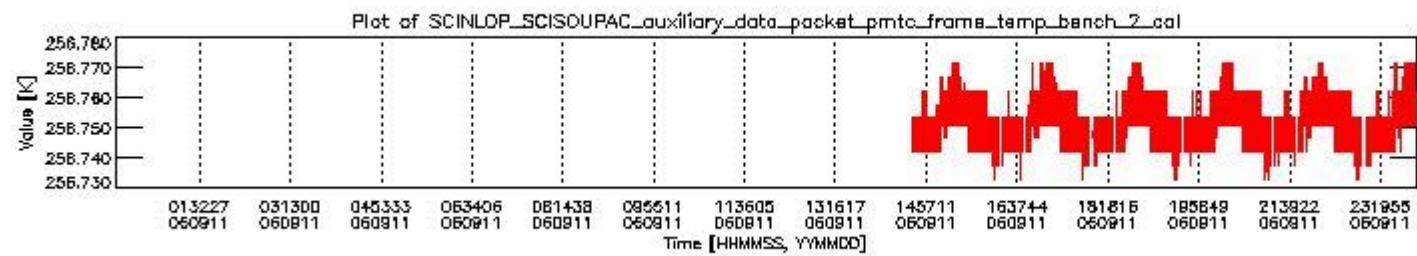
The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__0PNPDK20060911_144141_000020222051_00096_23697_0695.N1	11SEP2006 14:41:41	11SEP2006 15:15:23	1	0	1	0	0
1	SCI_NL__0PNPDK20060911_151332_000062162051_00097_23698_0696.N1	11SEP2006 15:13:32	11SEP2006 16:57:08	1	0	1	0	0
2	SCI_NL__0PNPDK20060911_165600_000059192051_00098_23699_0697.N1	11SEP2006 16:56:00	11SEP2006 18:34:39	1	0	1	0	0
3	SCI_NL__0PNPDK20060911_183439_000060062051_00099_23700_0698.N1	11SEP2006 18:34:39	11SEP2006 20:14:45	1	0	1	0	0
4	SCI_NL__0PNPDE20060911_201327_000044152051_00100_23701_0572.N1	11SEP2006 20:13:27	11SEP2006 21:27:03	1	0	1	0	0
5	SCI_NL__0PNPDE20060911_212535_000060722051_00100_23701_0573.N1	11SEP2006 21:25:35	11SEP2006 23:06:47	1	0	1	0	0
6	SCI_NL__0PNPDE20060911_230600_000061822051_00101_23702_0574.N1	11SEP2006 23:06:00	12SEP2006 00:49:02	1	0	1	0	0

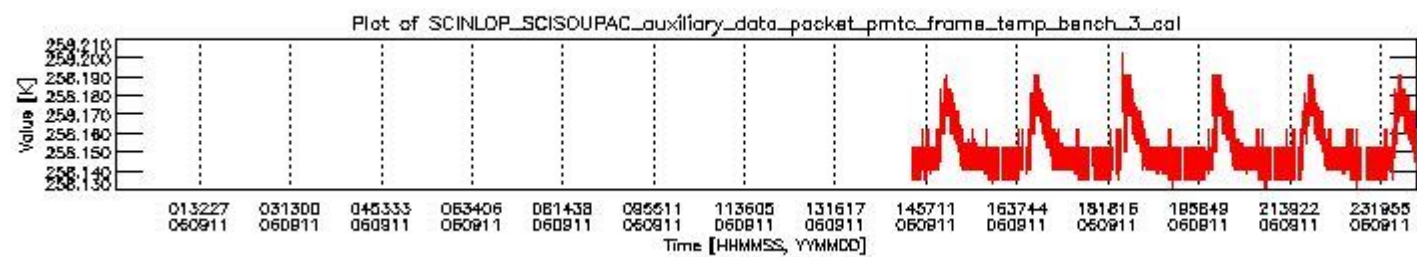
## 0.2 Product Quality Indicators

This section shows information about product quality, currently temperatures.

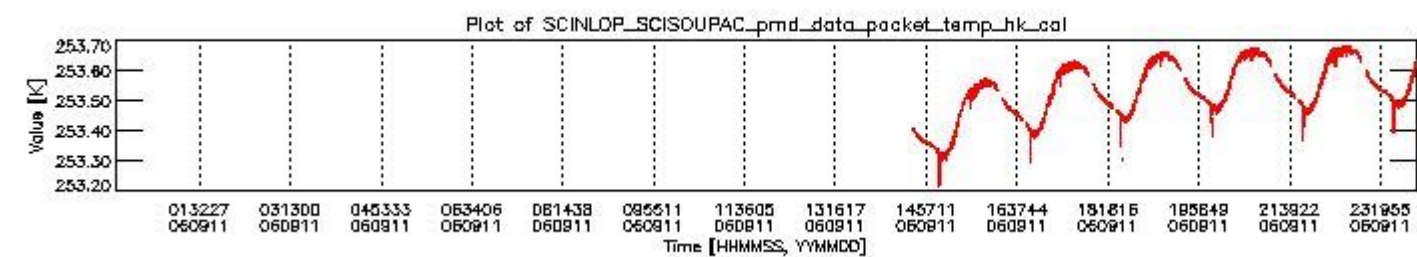




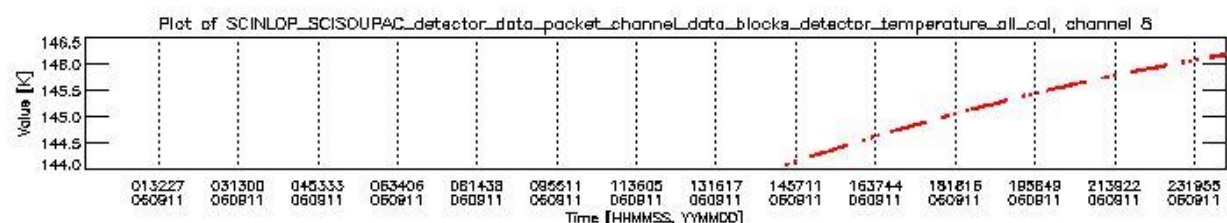
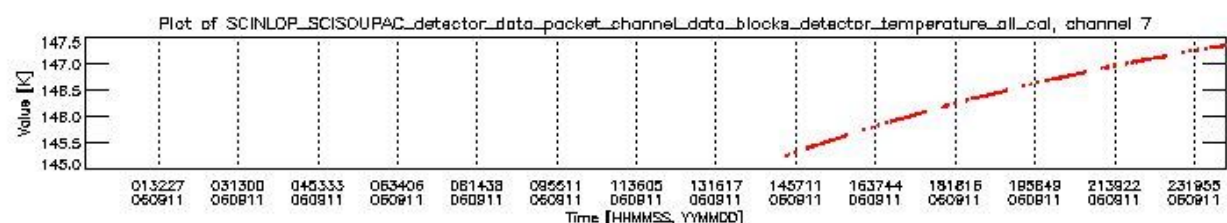
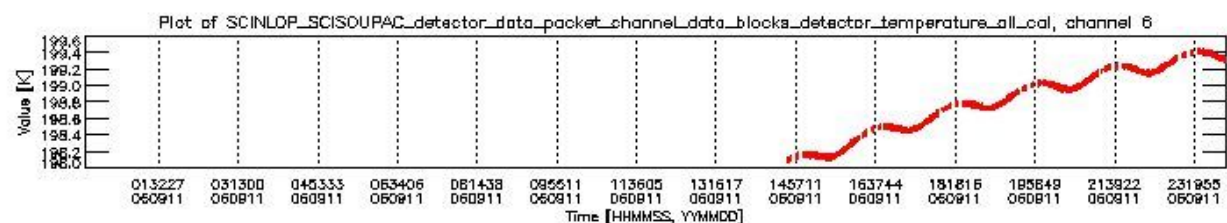
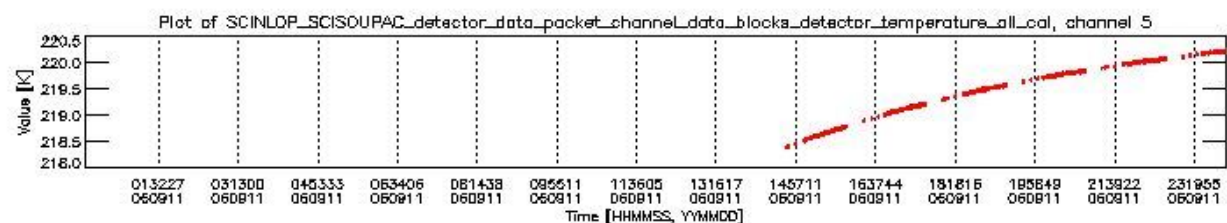
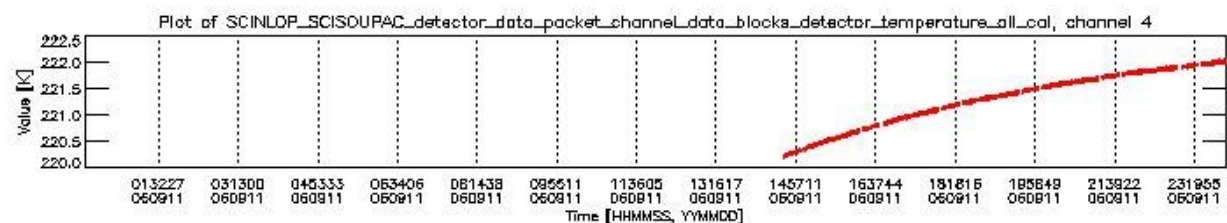
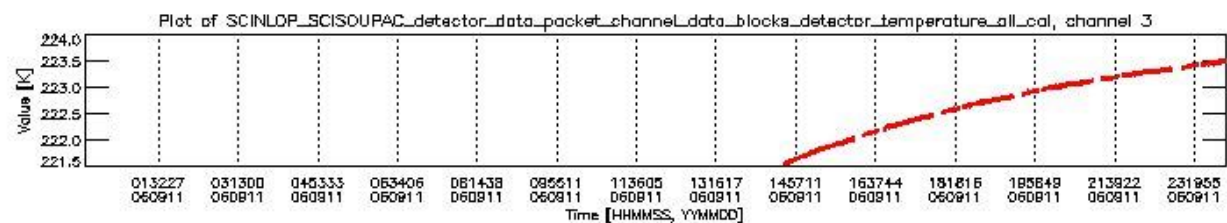
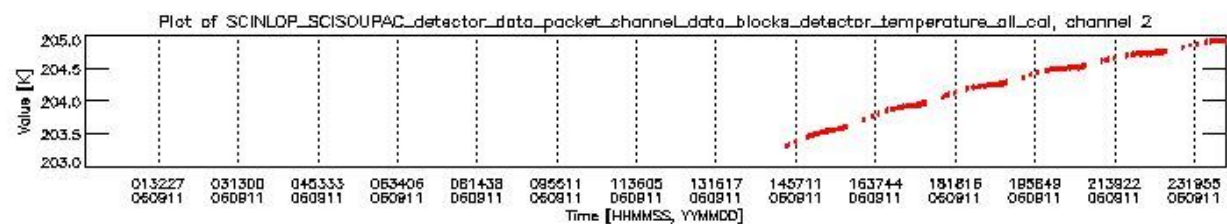
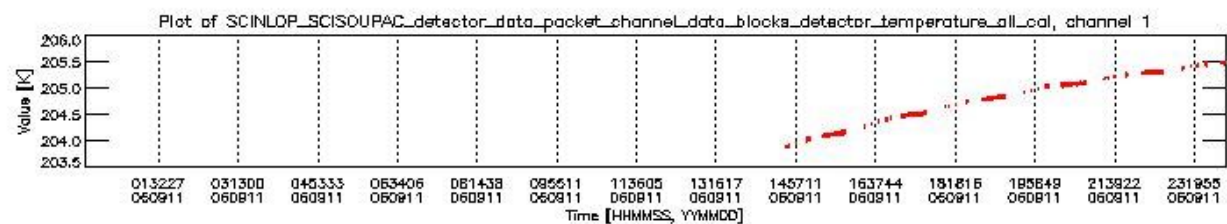
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_1.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_3.PNG

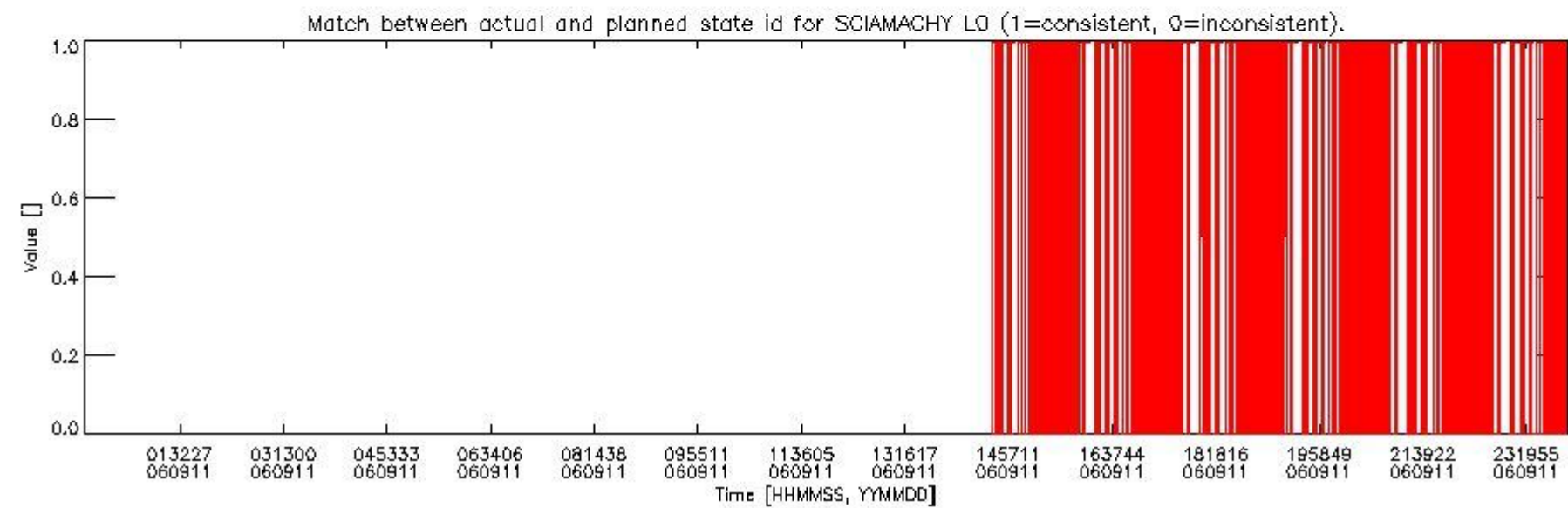
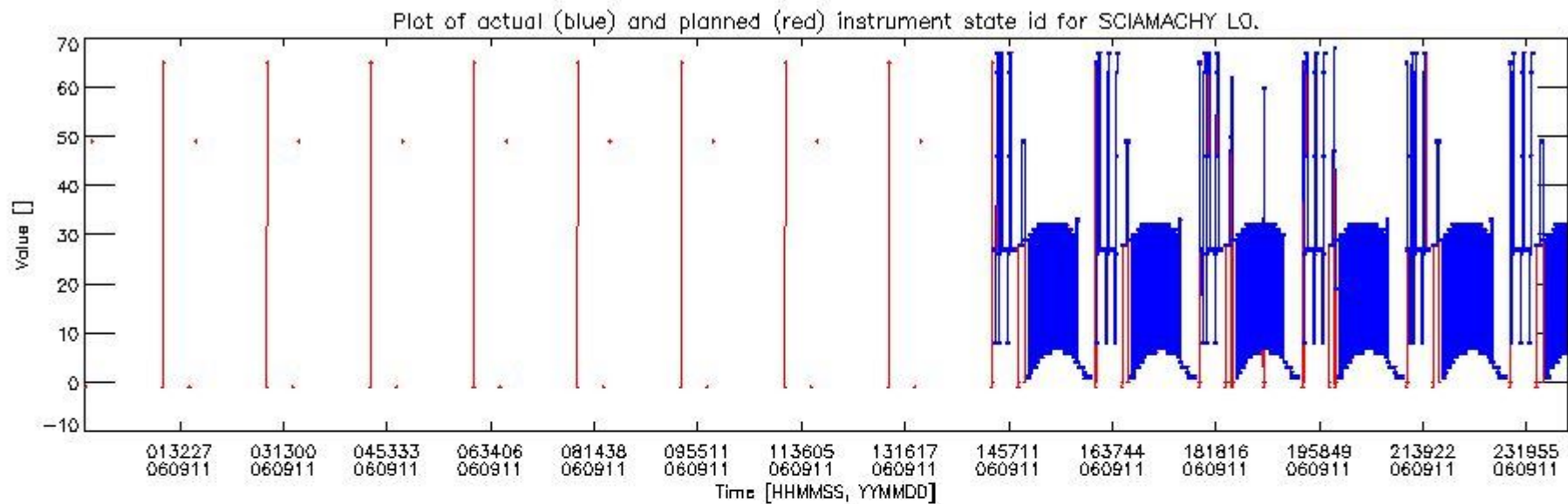


### 0.3 State monitoring

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: **9557**

#	Actual time	Actual value	Planned time	Planned value
0	11SEP2006 14:41:41.624264	27	11SEP2006 14:41:41.624264	0
1	11SEP2006 14:41:42.624258	27	11SEP2006 14:41:42.624258	0
2	11SEP2006 14:41:43.561771	27	11SEP2006 14:41:43.561771	0
3	11SEP2006 14:41:44.311757	27	11SEP2006 14:41:44.311757	0
4	11SEP2006 14:41:45.249269	27	11SEP2006 14:41:45.249269	0
5	11SEP2006 14:41:45.999255	27	11SEP2006 14:41:45.999255	0
6	11SEP2006 14:41:46.624277	27	11SEP2006 14:41:46.624277	0
7	11SEP2006 14:43:53.803953	8	11SEP2006 14:43:53.803953	27
8	11SEP2006 14:43:54.928952	8	11SEP2006 14:43:54.928952	27
9	11SEP2006 14:43:55.928947	8	11SEP2006 14:43:55.928947	27
10	11SEP2006 14:43:56.928941	8	11SEP2006 14:43:56.928941	27
11	11SEP2006 14:43:57.928936	8	11SEP2006 14:43:57.928936	27
12	11SEP2006 14:43:58.803966	8	11SEP2006 14:43:58.803966	27
13	11SEP2006 14:44:37.358656	26	11SEP2006 14:44:37.358656	8
14	11SEP2006 14:44:37.983637	26	11SEP2006 14:44:37.983637	8
15	11SEP2006 14:44:38.483655	26	11SEP2006 14:44:38.483655	8
16	11SEP2006 14:44:38.983632	26	11SEP2006 14:44:38.983632	8
17	11SEP2006 14:44:39.483649	26	11SEP2006 14:44:39.483649	8
18	11SEP2006 14:44:39.983626	26	11SEP2006 14:44:39.983626	8
19	11SEP2006 14:44:40.483644	26	11SEP2006 14:44:40.483644	8
...	...	...	...	...

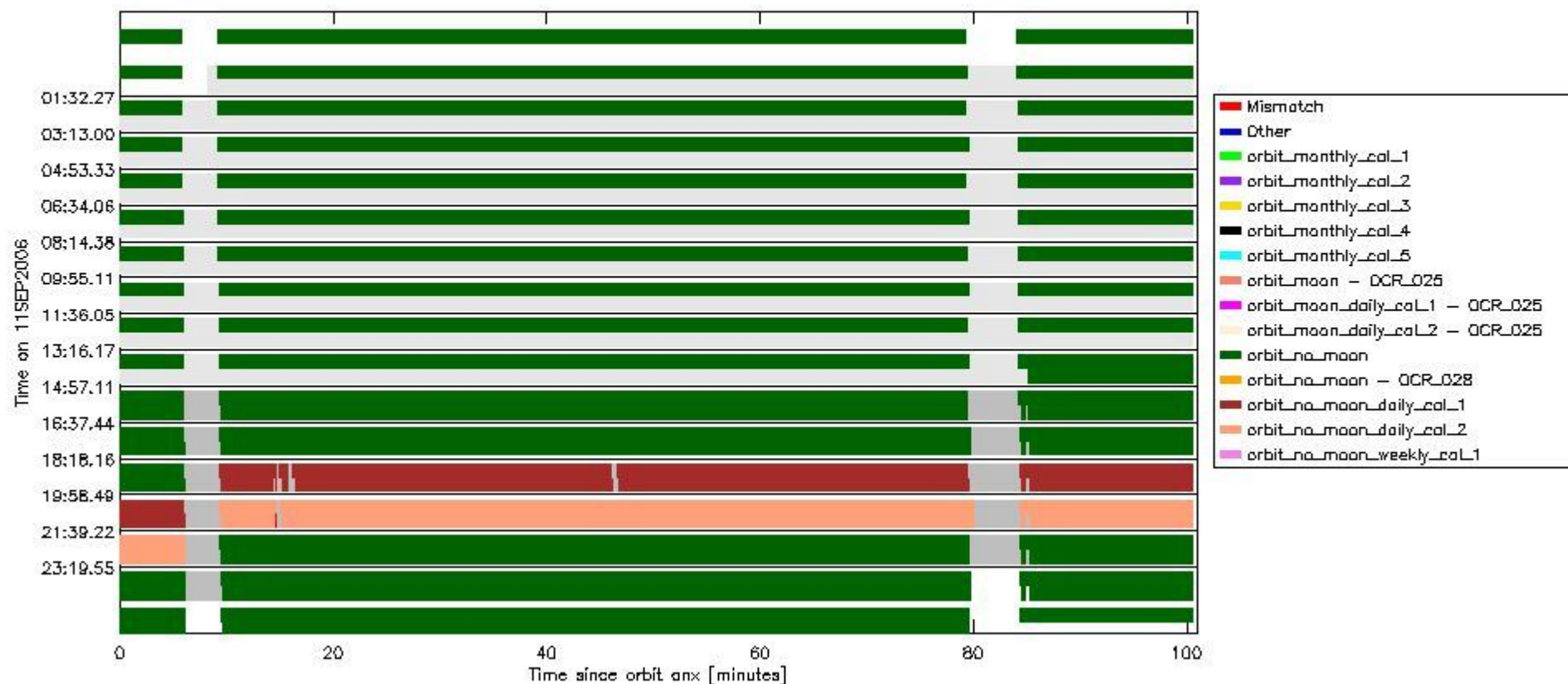


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_5.PNG

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 11SEP2006.  
 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\_PPHS\_5\_37\_N\_20060911\_6.PNG

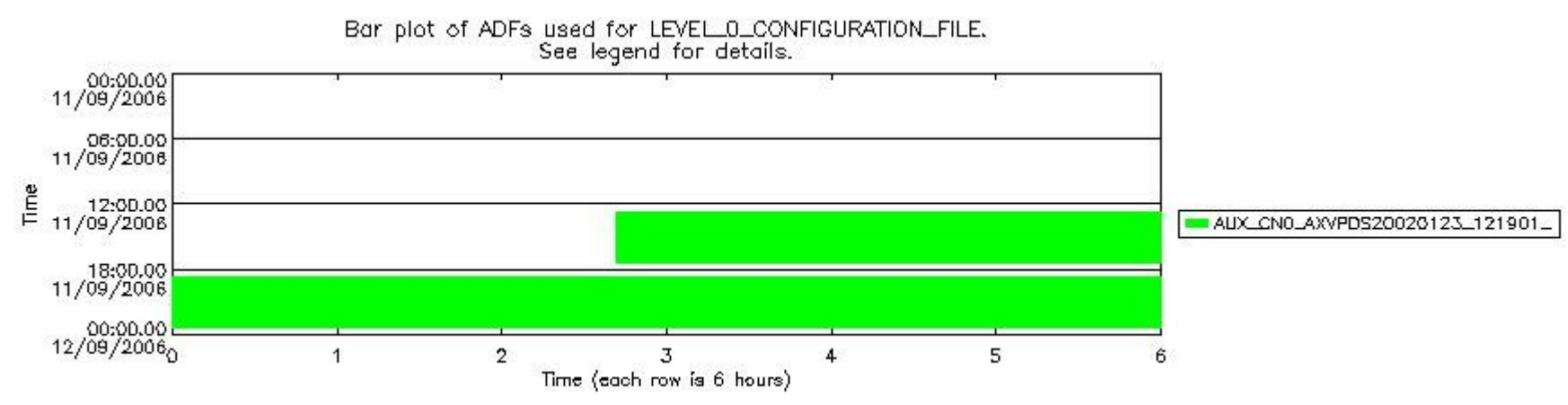
## 0.4 ADF monitoring

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

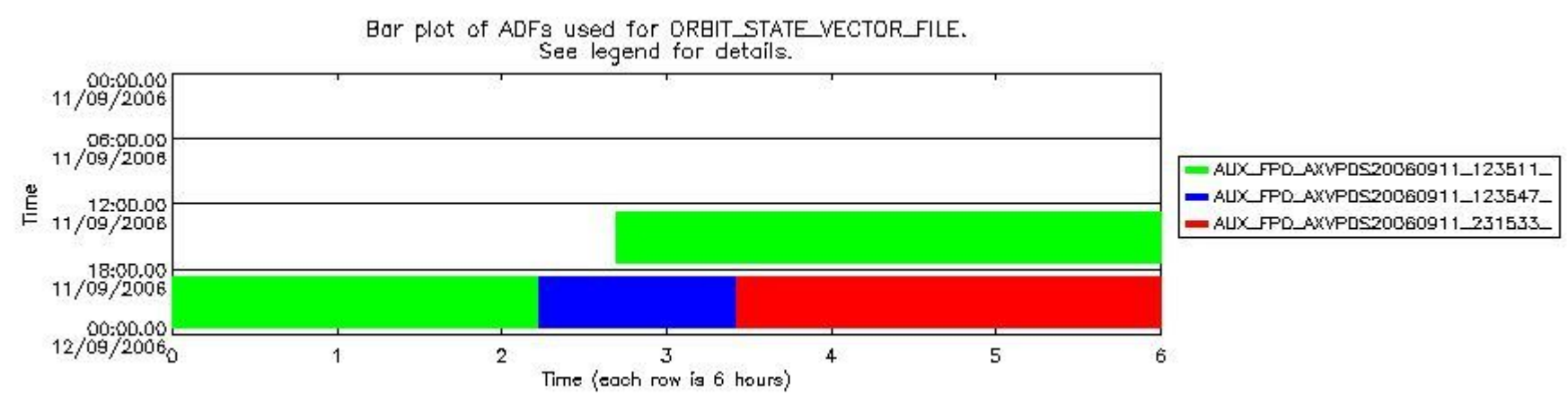
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

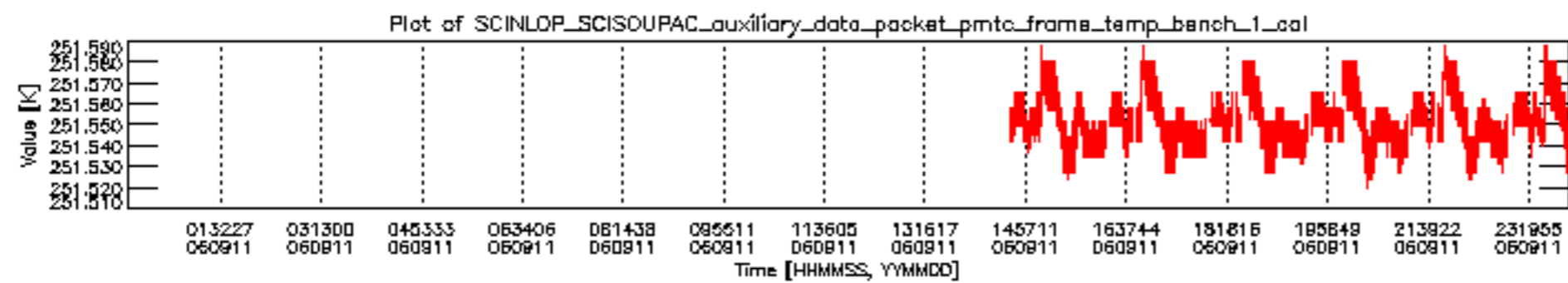
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060911_123511_20060911_081440_20060920_133342
2	AUX_FPO_AXVPDS20060911_123547_20060911_081440_20060920_133342
3	AUX_FPO_AXVPDS20060911_231533_20060911_195851_20060921_212504



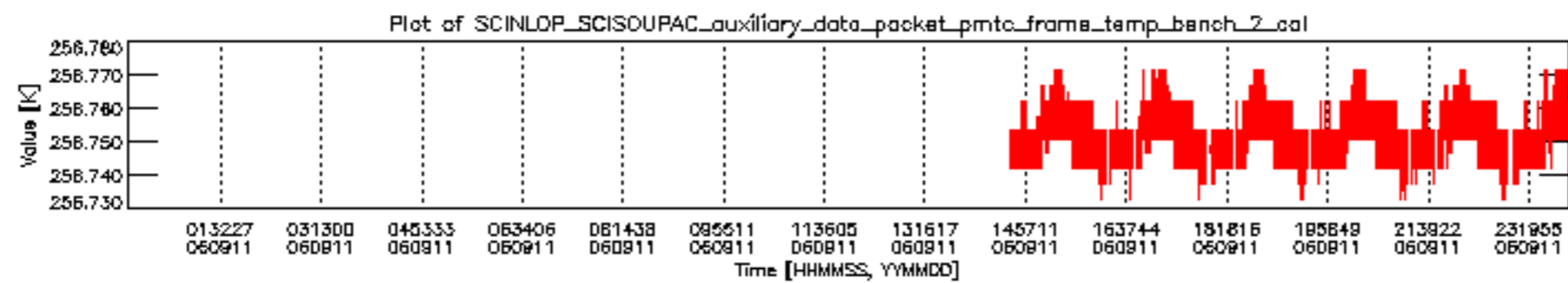
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_7.PNG

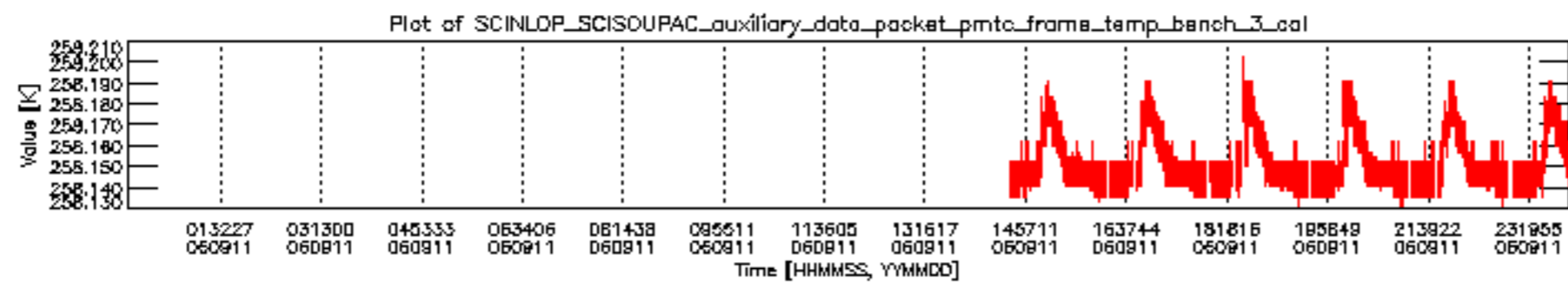


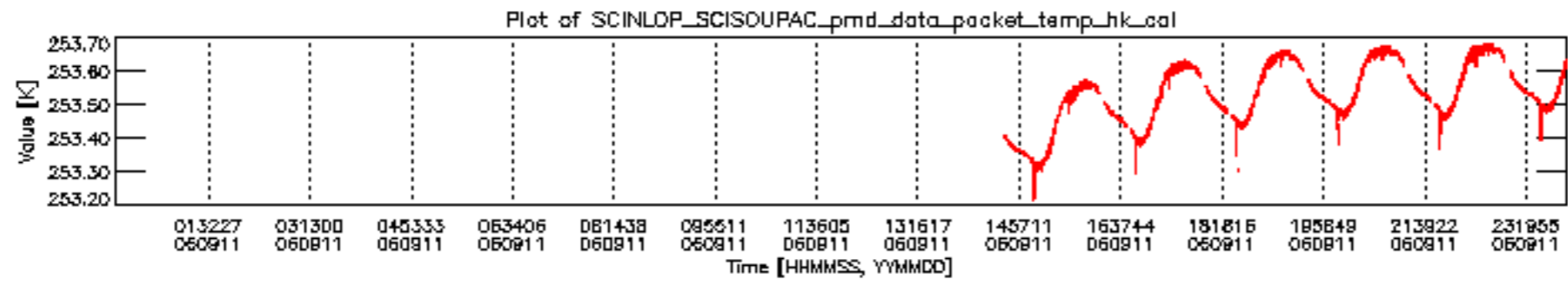
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060911\_8.PNG

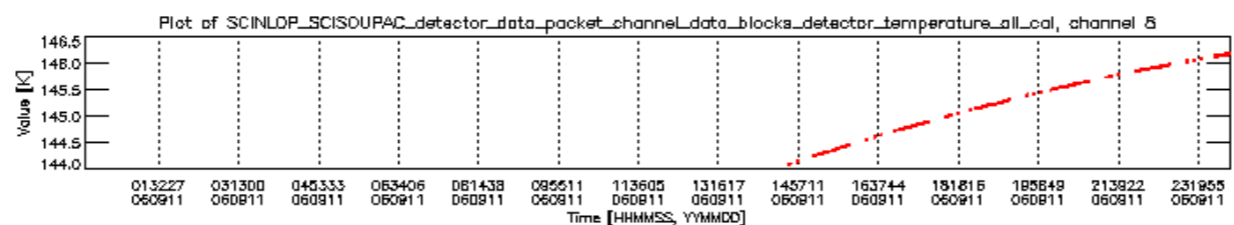
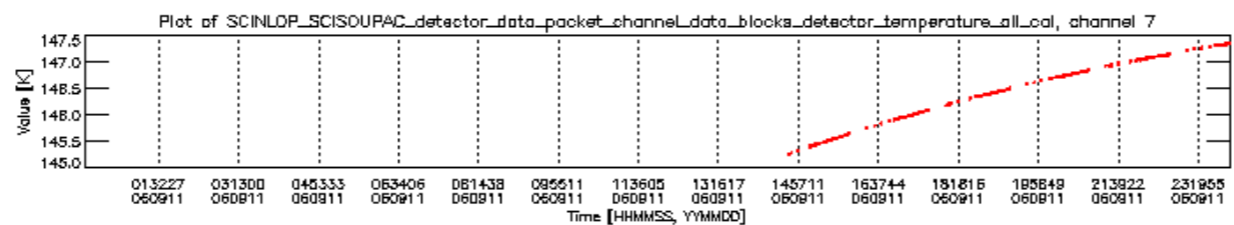
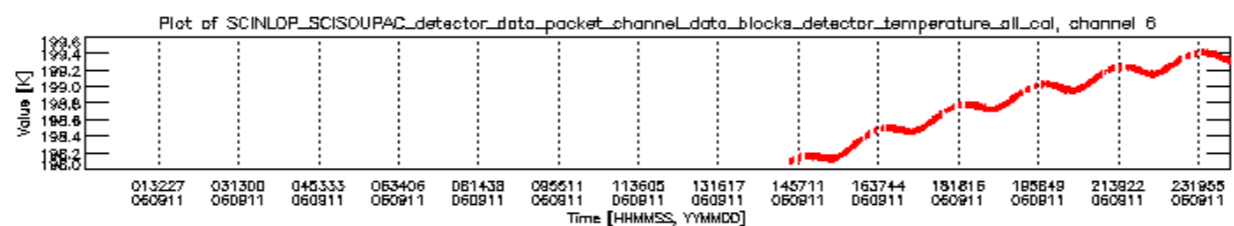
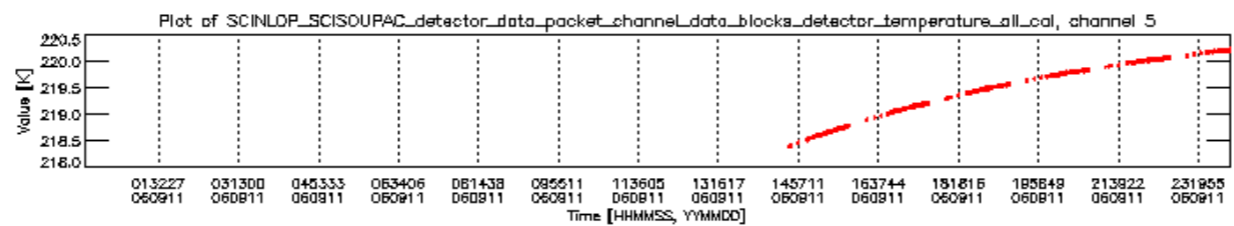
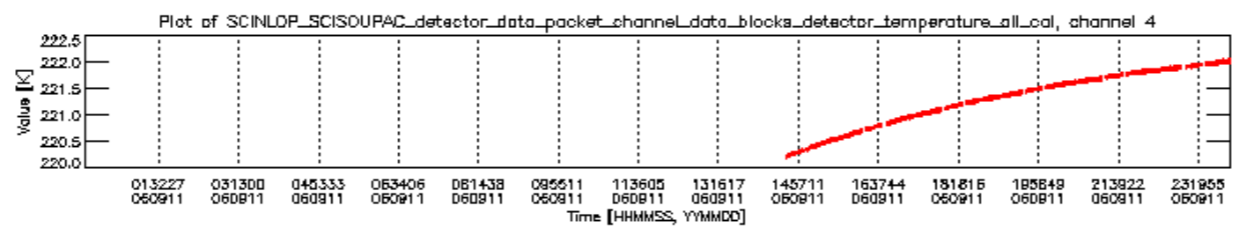
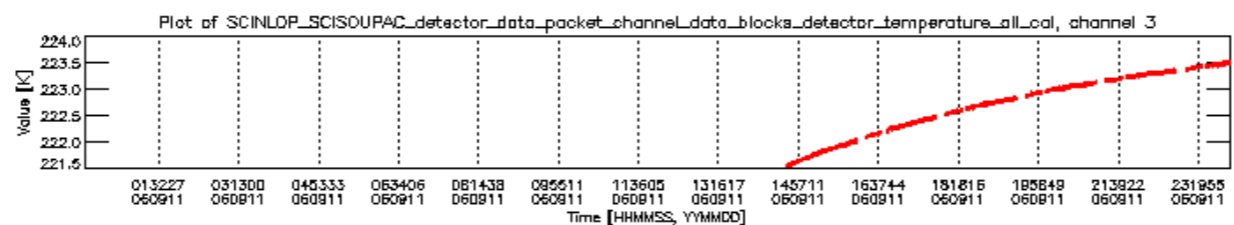
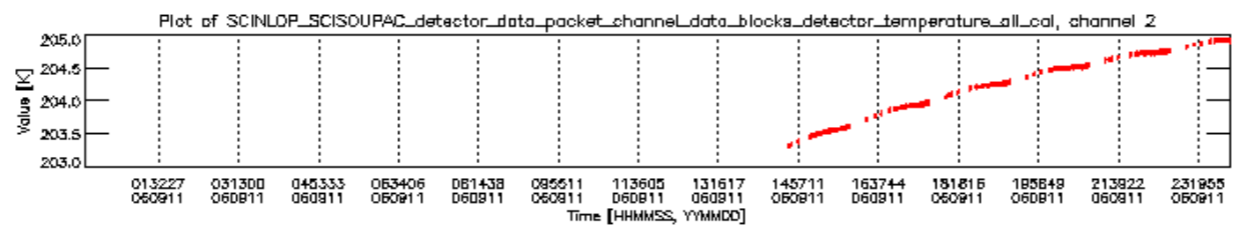
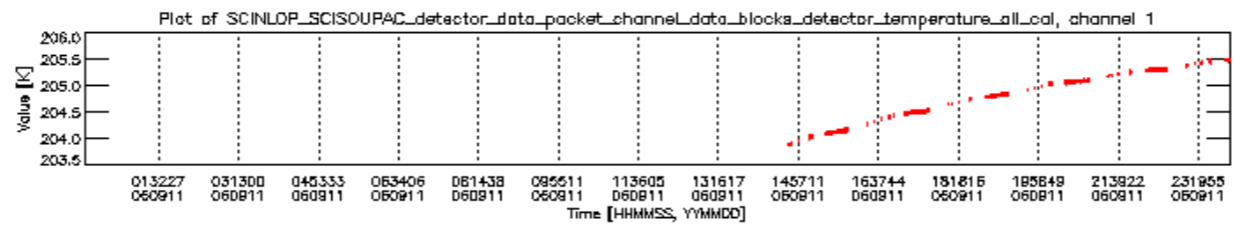


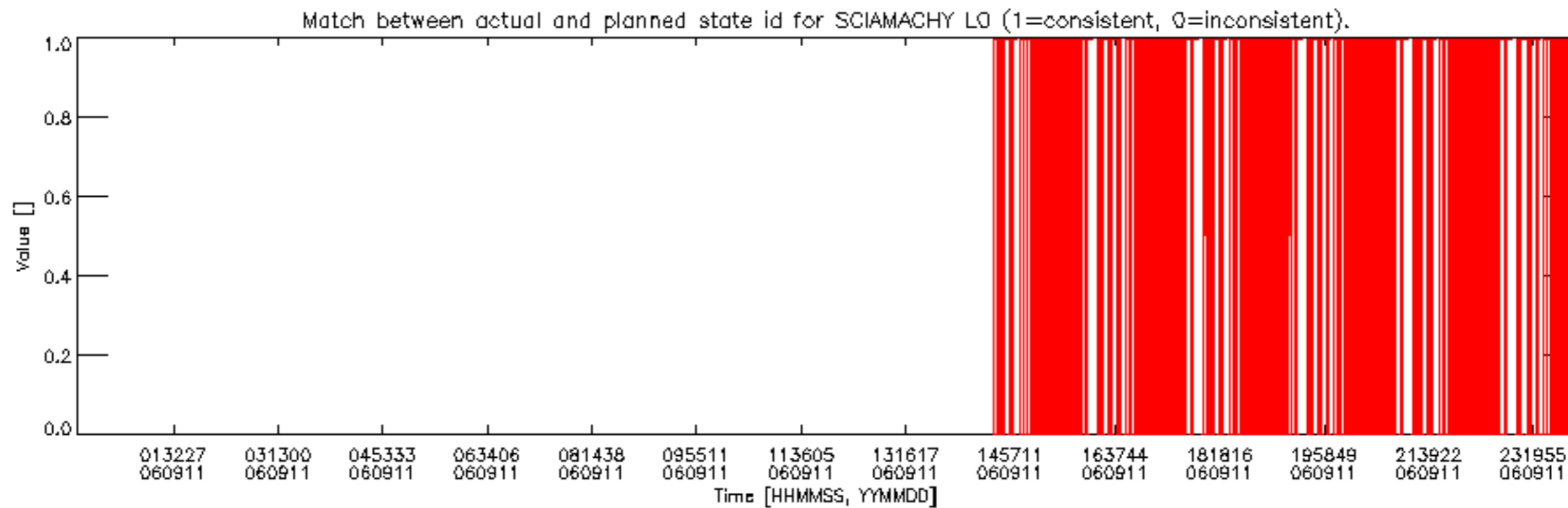
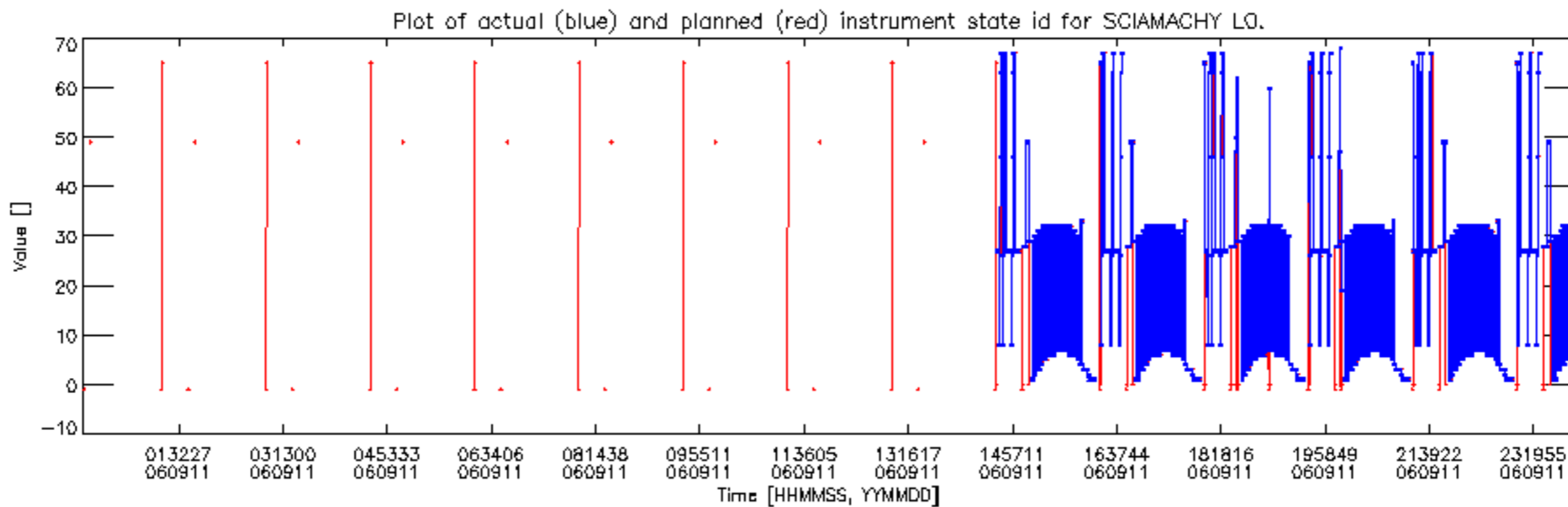












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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