

## 0. SCIAMACHY Daily Report for level 0 products

### [0.1 General Info](#)

### [0.2 Product Quality Indicators](#)

### [0.3 State monitoring](#)

### [0.4 ADF monitoring](#)

## 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	30AUG2006 05:25:30
Data source version	PFHS/5.37-N
Processing scope for products	26AUG2006 00:00:00 to 27AUG2006 00:00:00
Start time of first product within scope	25AUG2006 23:41:27
Stop time of last product within scope	27AUG2006 00:52:01
Total number of level 0 products	16
Number of level 0 products with errors	16

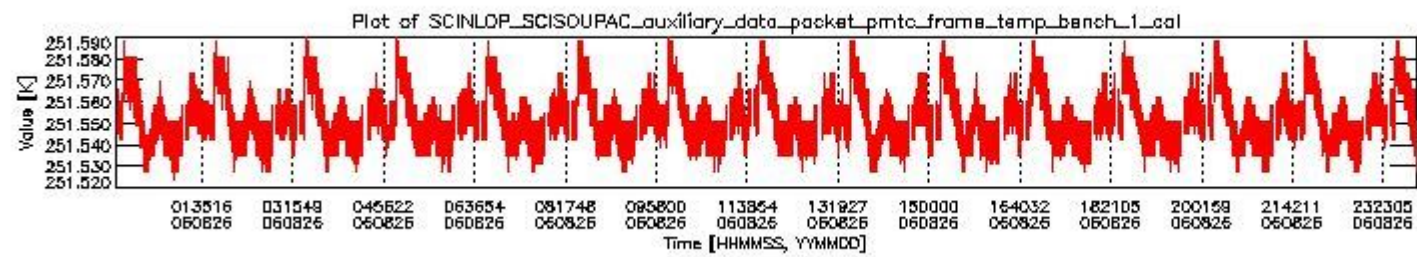
### 0.1.2 Summary per product

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

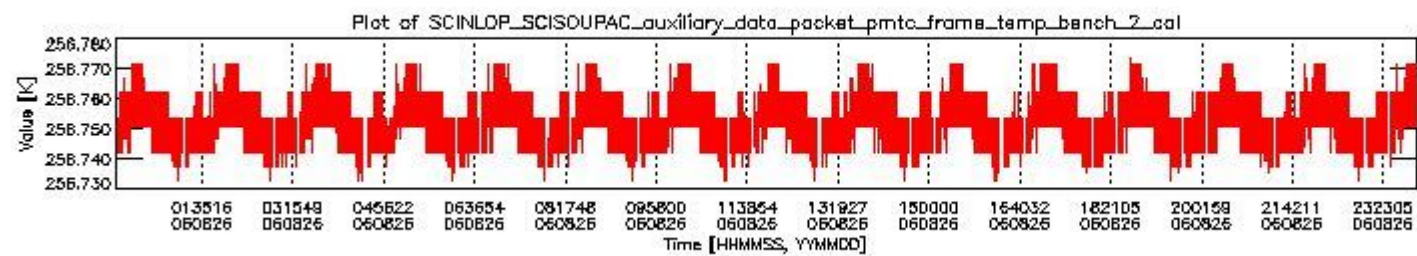
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060825_234127_000060072050_00359_23459_0435.N1	25AUG2006 23:41:27	26AUG2006 01:21:34	1	0	1	0	0
1	SCI_NL__OPNPDE20060826_012047_000044622050_00360_23460_0436.N1	26AUG2006 01:20:47	26AUG2006 02:35:10	1	0	1	0	0
2	SCI_NL__OPNPDE20060826_023401_000061042050_00361_23461_0437.N1	26AUG2006 02:34:01	26AUG2006 04:15:46	1	0	1	0	0
3	SCI_NL__OPNPDE20060826_041450_000060922050_00362_23462_0438.N1	26AUG2006 04:14:50	26AUG2006 05:56:23	1	0	1	0	0
4	SCI_NL__OPNPDK20060826_055514_000042382050_00363_23463_0538.N1	26AUG2006 05:55:14	26AUG2006 07:05:53	1	0	1	0	0
5	SCI_NL__OPNPDK20060826_070457_000061482050_00364_23464_0539.N1	26AUG2006 07:04:57	26AUG2006 08:47:25	1	0	1	0	0
6	SCI_NL__OPNPDK20060826_084629_000059802050_00365_23465_0540.N1	26AUG2006 08:46:29	26AUG2006 10:26:09	1	0	1	0	0
7	SCI_NL__OPNPDK20060826_102609_000059672050_00366_23466_0541.N1	26AUG2006 10:26:09	26AUG2006 12:05:37	1	0	1	0	0
8	SCI_NL__OPNPDK20060826_120429_000059802050_00367_23467_0542.N1	26AUG2006 12:04:29	26AUG2006 13:44:09	1	0	1	0	0
9	SCI_NL__OPNPDK20060826_134313_000059672050_00368_23468_0543.N1	26AUG2006 13:43:13	26AUG2006 15:22:41	1	0	1	0	0
10	SCI_NL__OPNPDK20060826_152132_000059242050_00369_23469_0544.N1	26AUG2006 15:21:32	26AUG2006 17:00:17	1	0	1	0	0
11	SCI_NL__OPNPDK20060826_165813_000059062050_00370_23470_0545.N1	26AUG2006 16:58:13	26AUG2006 18:36:39	1	0	1	0	0
12	SCI_NL__OPNPDK20060826_183543_000061722050_00371_23471_0546.N1	26AUG2006 18:35:43	26AUG2006 20:18:36	1	0	1	0	0
13	SCI_NL__OPNPDE20060826_201549_000044152050_00372_23472_0439.N1	26AUG2006 20:15:49	26AUG2006 21:29:25	1	0	1	0	0
14	SCI_NL__OPNPDE20060826_212804_000060682050_00372_23472_0440.N1	26AUG2006 21:28:04	26AUG2006 23:09:12	1	0	1	0	0
15	SCI_NL__OPNPDE20060826_230749_000062522050_00373_23473_0441.N1	26AUG2006 23:07:49	27AUG2006 00:52:01	1	0	1	0	0

## 0.2 Product Quality Indicators

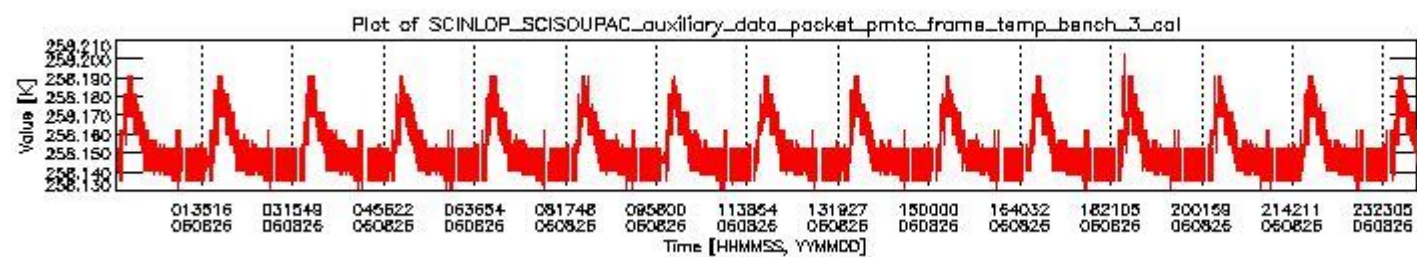
This section shows information about product quality, currently temperatures.



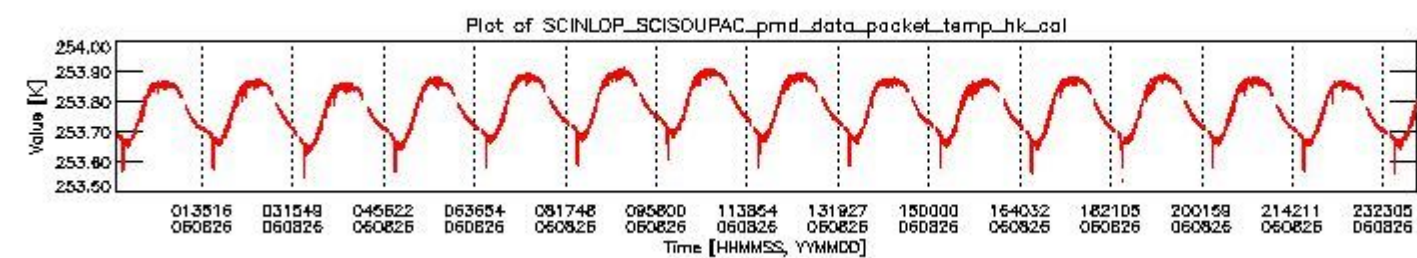
sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060826\_0.PNG



sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060826\_1.PNG

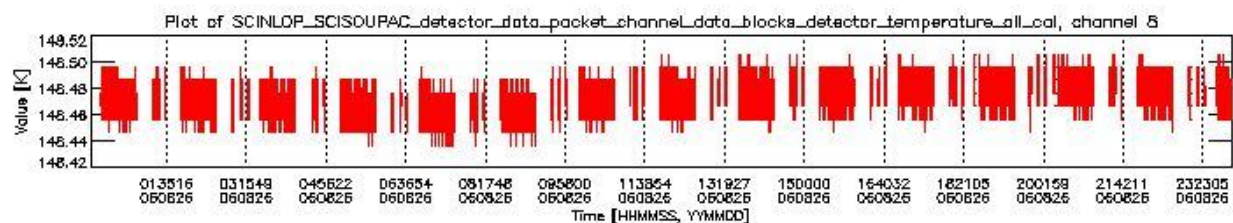
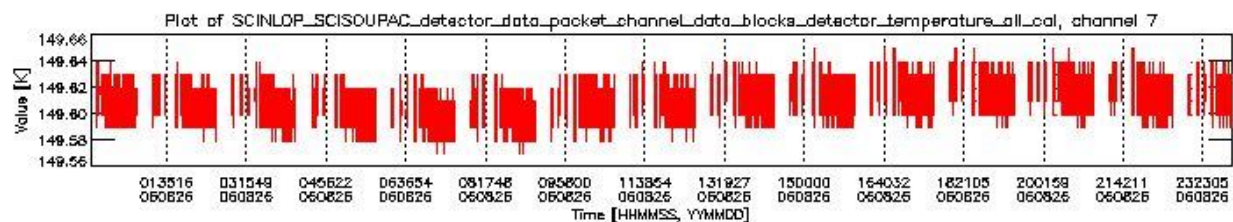
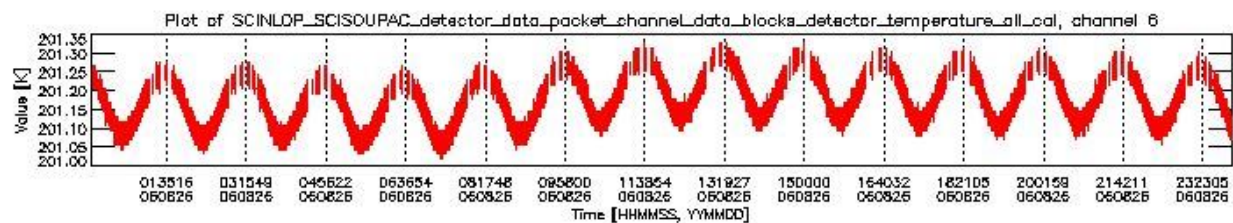
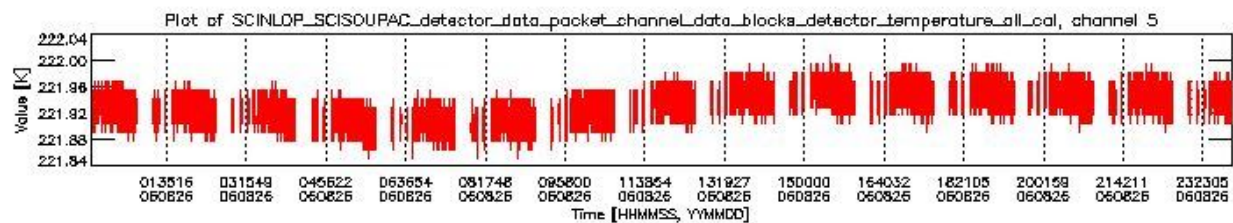
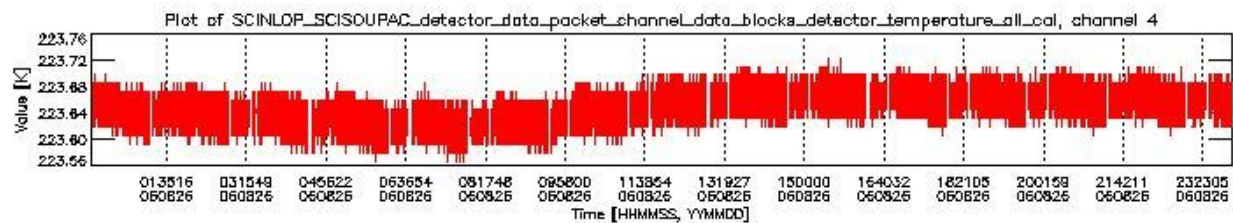
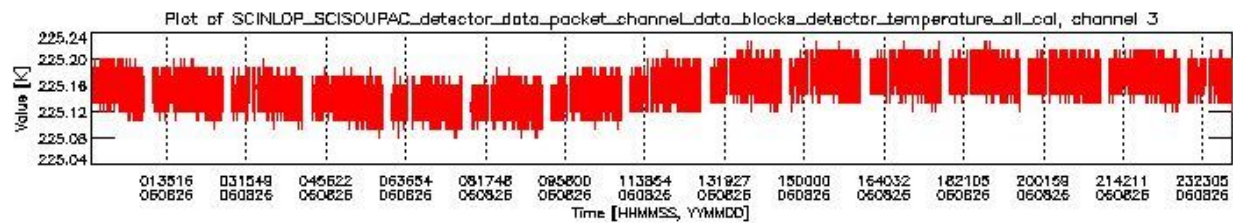
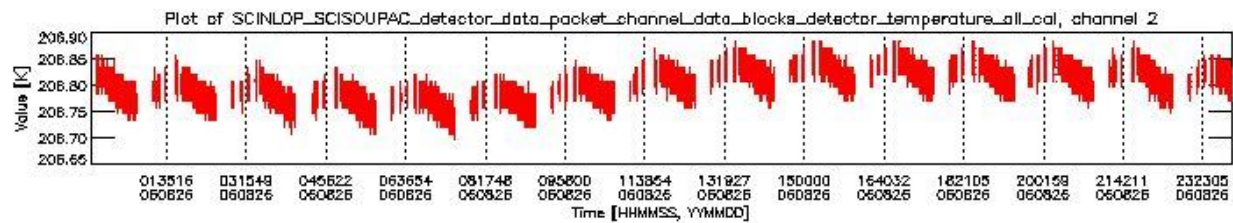
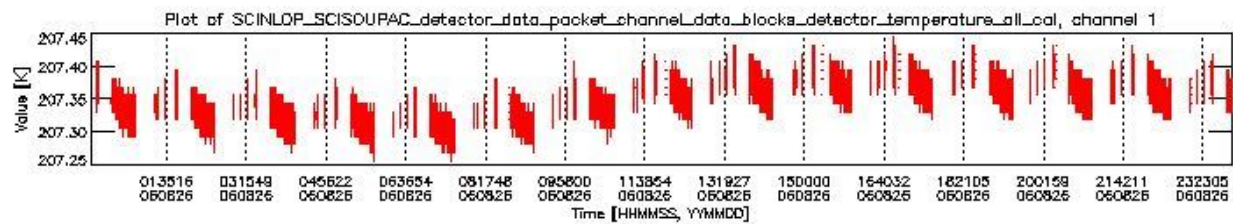


sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060826\_2.PNG



sciamachy\_daily\_report\_level0\_PPHS\_5\_37\_N\_20060826\_3.PNG



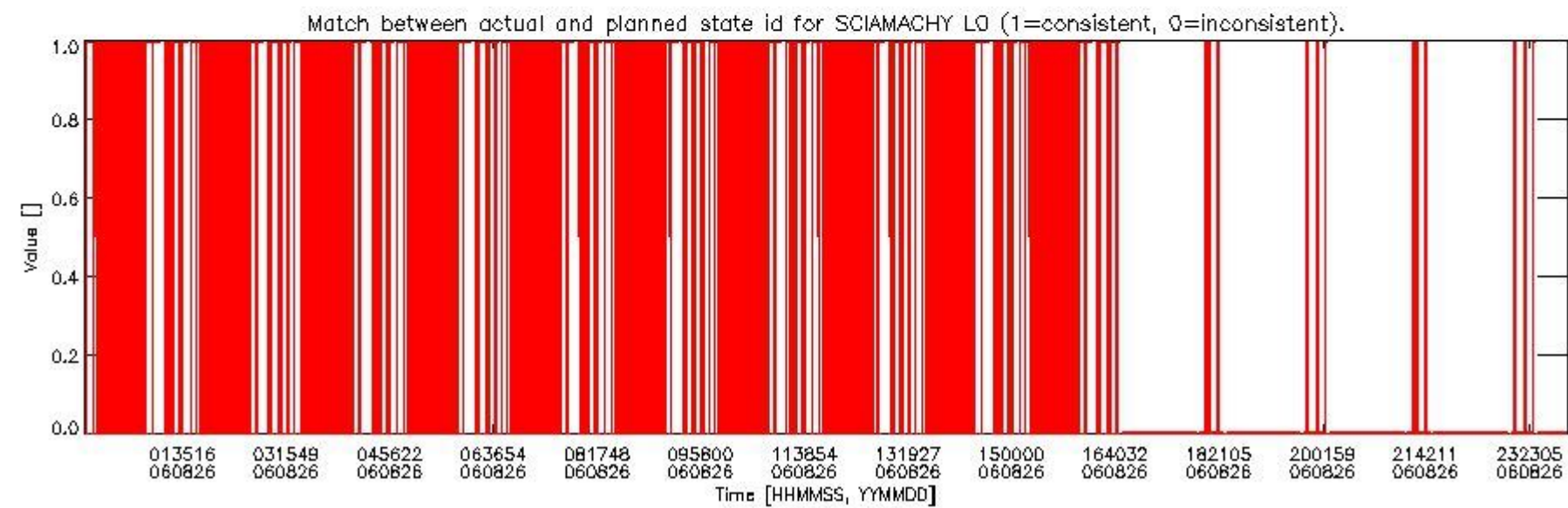
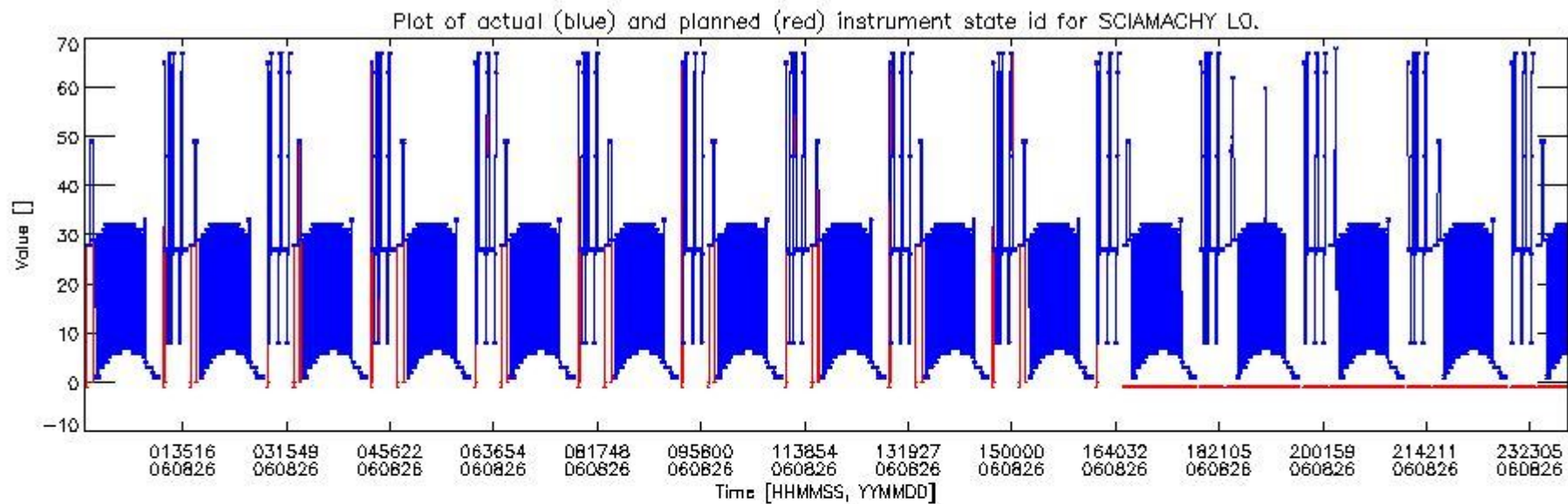


### 0.3 State monitoring

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: **130790**

#	Actual time	Actual value	Planned time	Planned value
0	26AUG2006 00:02:10.857226	28	26AUG2006 00:02:10.857226	0
1	26AUG2006 00:08:13.282981	29	26AUG2006 00:08:13.282981	0
2	26AUG2006 00:11:00.892332	1	26AUG2006 00:11:00.892332	29
3	26AUG2006 00:12:09.454824	30	26AUG2006 00:12:09.454824	1
4	26AUG2006 00:13:05.322033	1	26AUG2006 00:13:05.322033	30
5	26AUG2006 00:14:13.880623	30	26AUG2006 00:14:13.880623	1
6	26AUG2006 00:15:09.755597	3	26AUG2006 00:15:09.755597	30
7	26AUG2006 00:16:18.314187	30	26AUG2006 00:16:18.314187	3
8	26AUG2006 00:17:14.185298	3	26AUG2006 00:17:14.185298	30
9	26AUG2006 00:18:22.743888	31	26AUG2006 00:18:22.743888	3
10	26AUG2006 00:19:18.614959	4	26AUG2006 00:19:18.614959	31
11	26AUG2006 00:20:27.173549	32	26AUG2006 00:20:27.173549	4
12	26AUG2006 00:21:23.044660	4	26AUG2006 00:21:23.044660	32
13	26AUG2006 00:22:31.599348	32	26AUG2006 00:22:31.599348	4
14	26AUG2006 00:23:27.474321	5	26AUG2006 00:23:27.474321	32
15	26AUG2006 00:24:36.029009	32	26AUG2006 00:24:36.029009	5
16	26AUG2006 00:25:31.900120	6	26AUG2006 00:25:31.900120	32
17	26AUG2006 00:26:40.458710	32	26AUG2006 00:26:40.458710	6
18	26AUG2006 00:27:36.333683	6	26AUG2006 00:27:36.333683	32
19	26AUG2006 00:28:44.888371	32	26AUG2006 00:28:44.888371	6
	...	...	...	...



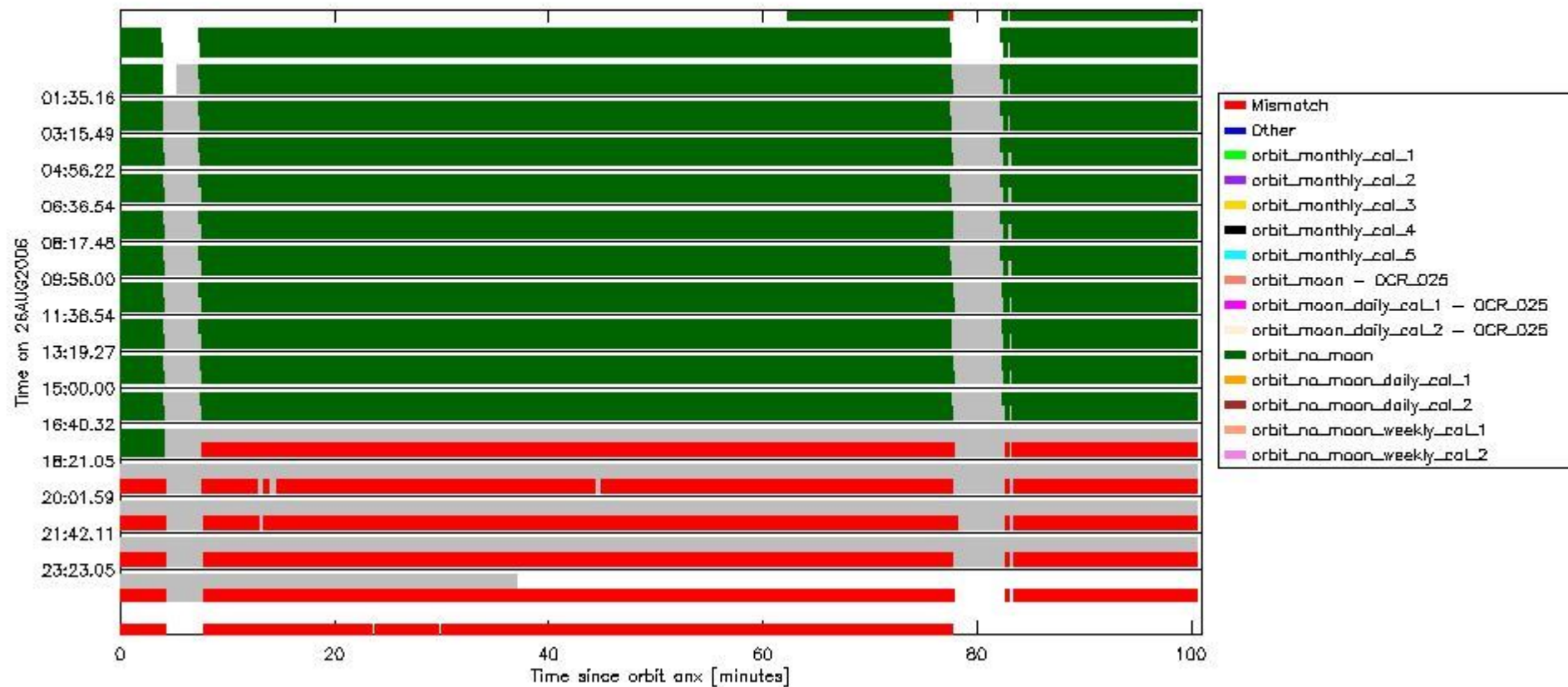
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060826\_5.PNG

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 26AUG2006.  
 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\_20060826\_6.PNG

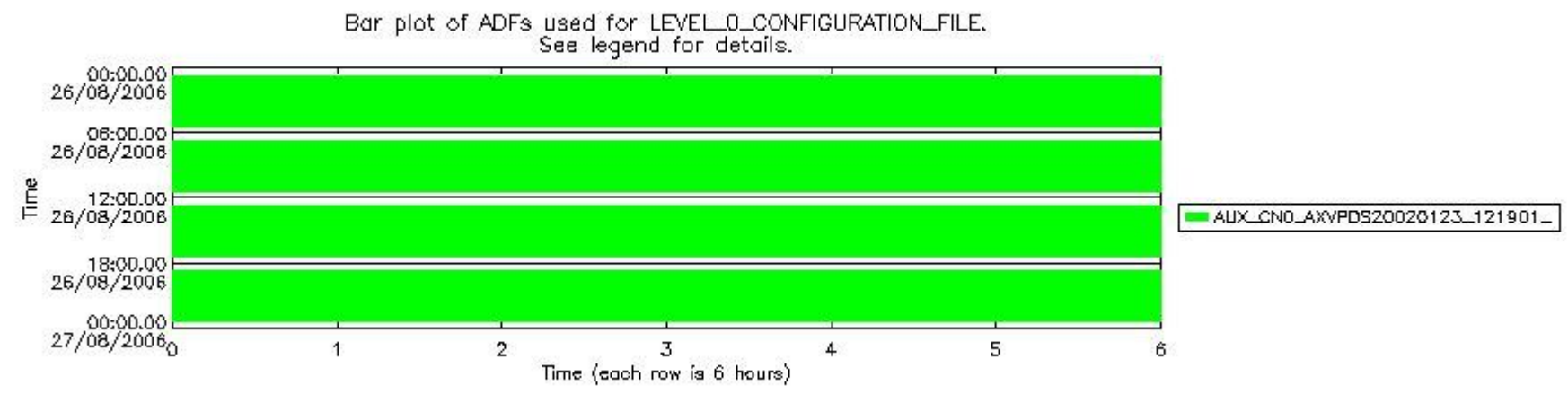
## 0.4 ADF monitoring

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

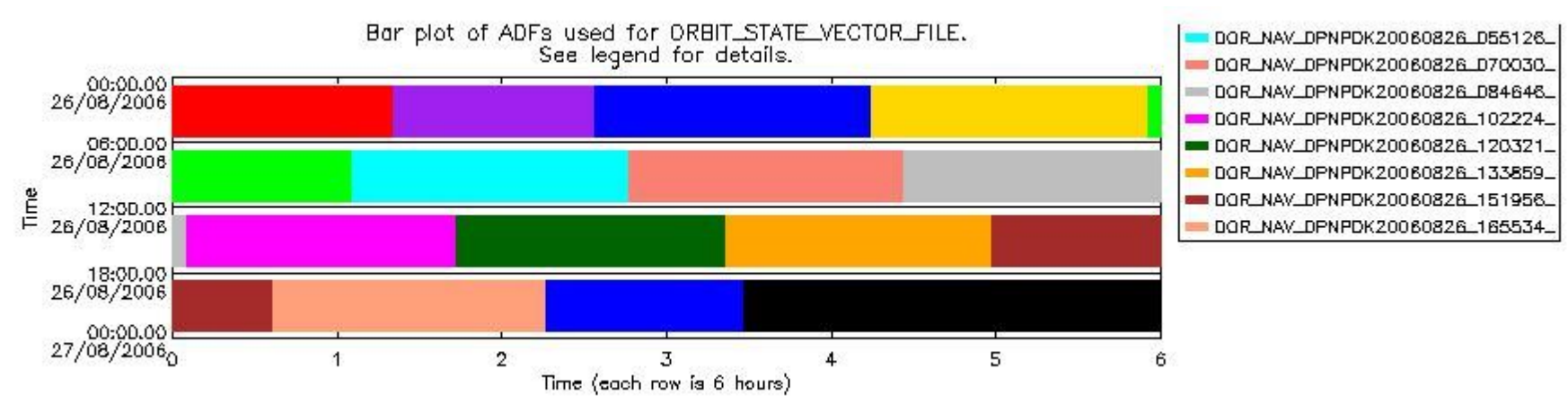
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

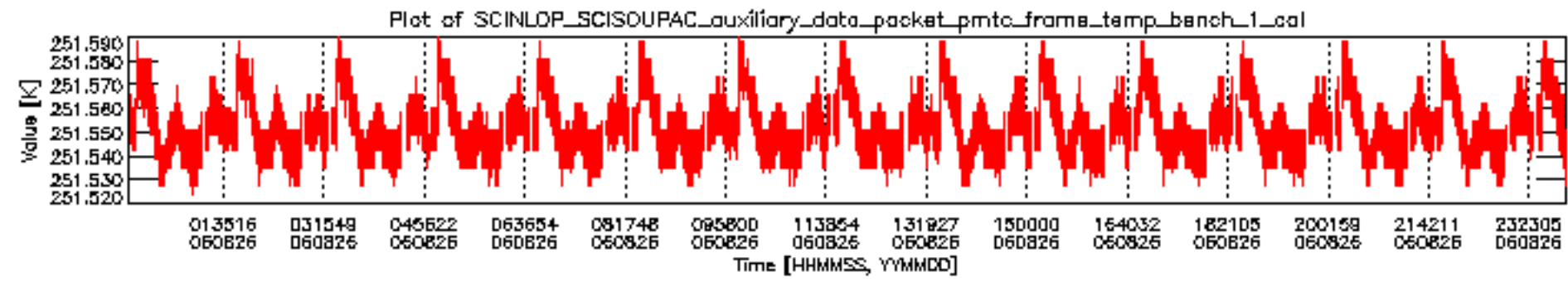
Number	ADF
	<b>CNO (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060825_235238_20060825_185249_20060904_201901
2	AUX_FPO_AXVPDS20060825_235311_20060825_185249_20060904_201901
3	DOR_NAV_OPNPDE20060825_215834_000057382050_00358_23458_0424.N1
4	DOR_NAV_OPNPDE20060825_233931_000057382050_00359_23459_0425.N1
5	DOR_NAV_OPNPDE20060826_041029_000057382050_00362_23462_0428.N1
6	DOR_NAV_OPNPDE20060826_212633_000057382050_00372_23472_0430.N1
7	DOR_NAV_OPNPDK20060826_055126_000038252050_00363_23463_0543.N1
8	DOR_NAV_OPNPDK20060826_070030_000060562050_00364_23464_0544.N1
9	DOR_NAV_OPNPDK20060826_084646_000054192050_00365_23465_0545.N1
10	DOR_NAV_OPNPDK20060826_102224_000057382050_00366_23466_0546.N1
11	DOR_NAV_OPNPDK20060826_120321_000054192050_00367_23467_0547.N1
12	DOR_NAV_OPNPDK20060826_133859_000057382050_00368_23468_0548.N1
13	DOR_NAV_OPNPDK20060826_151956_000054192050_00369_23469_0549.N1
14	DOR_NAV_OPNPDK20060826_165534_000057382050_00370_23470_0550.N1



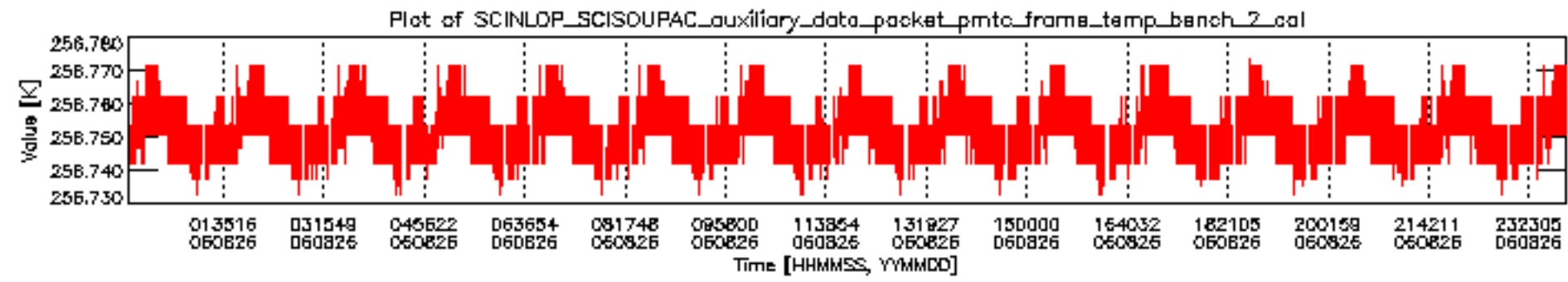
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060826\_7.PNG

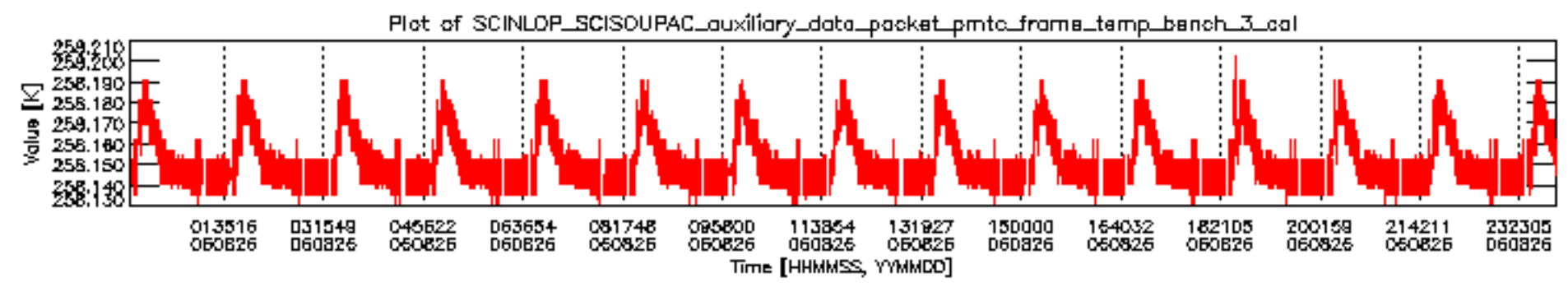


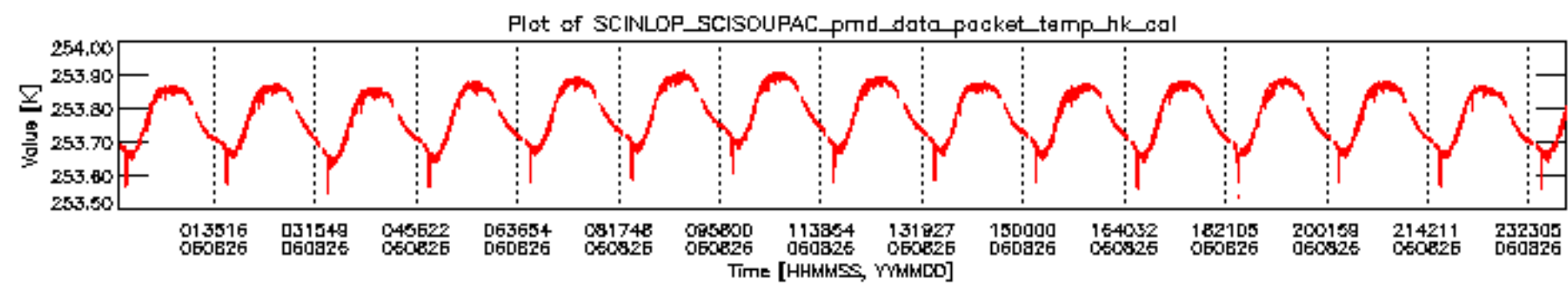
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060826\_8.PNG

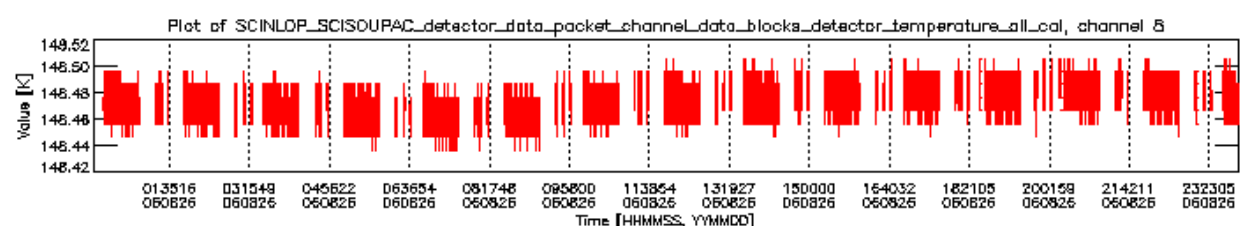
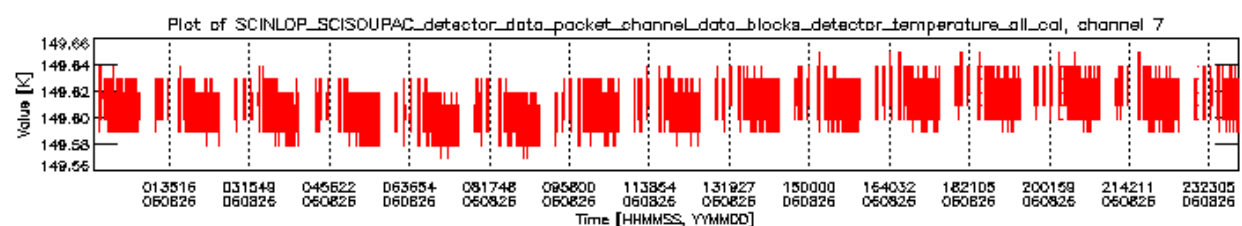
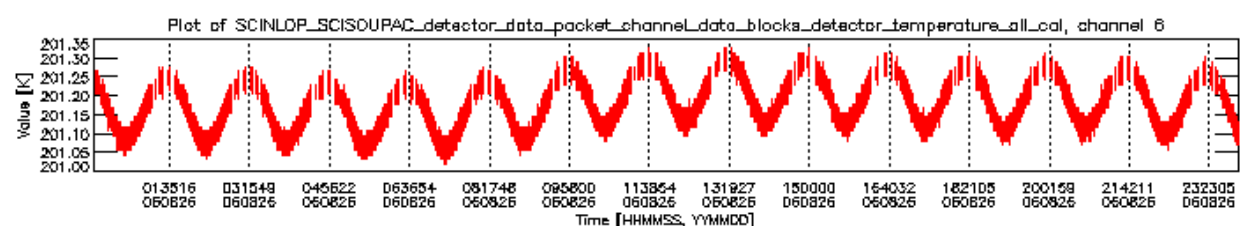
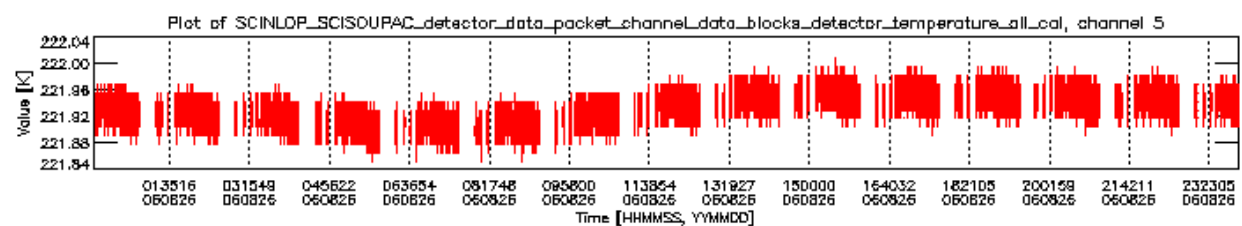
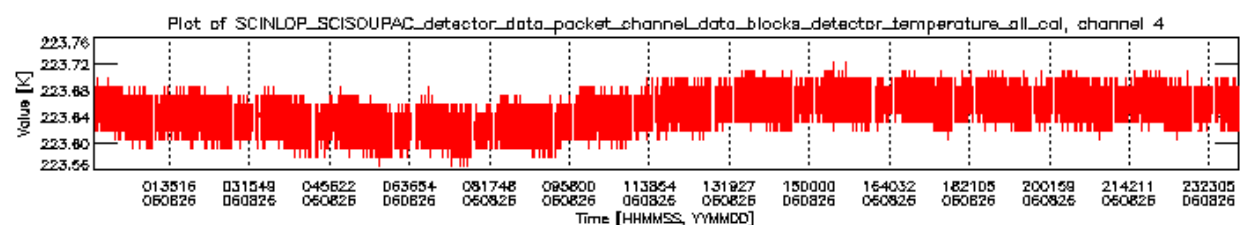
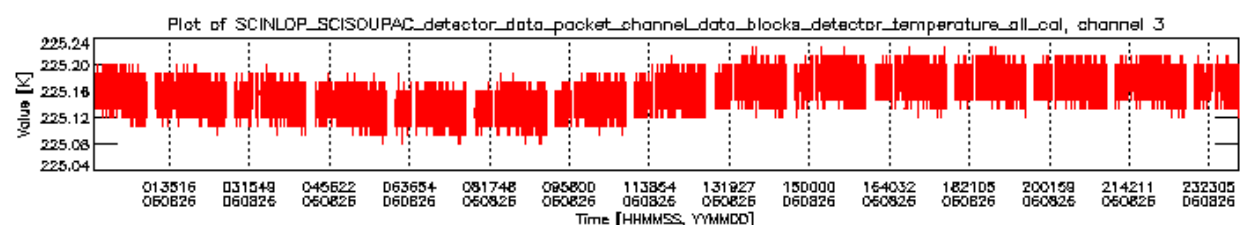
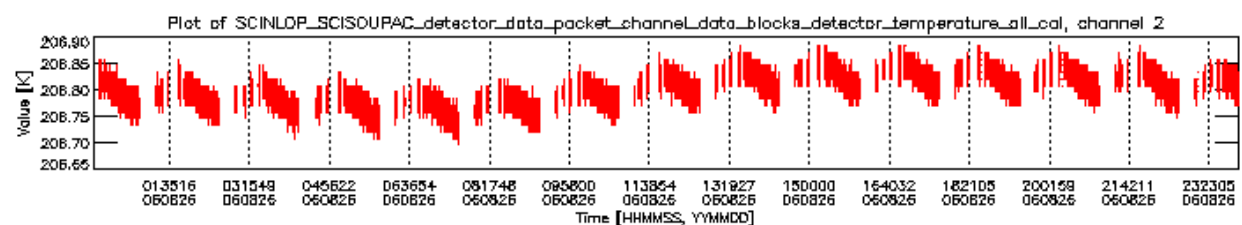
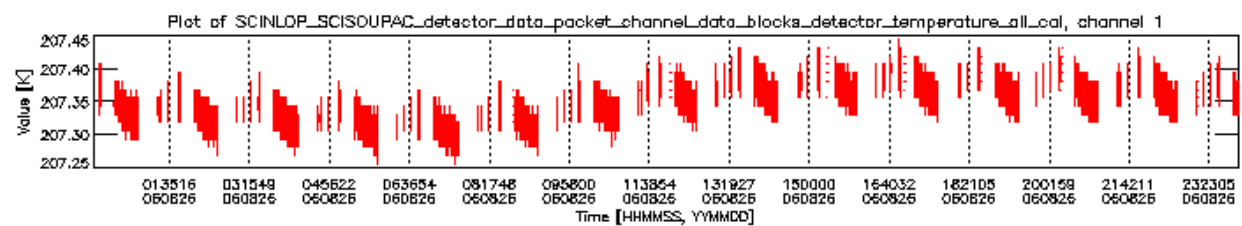




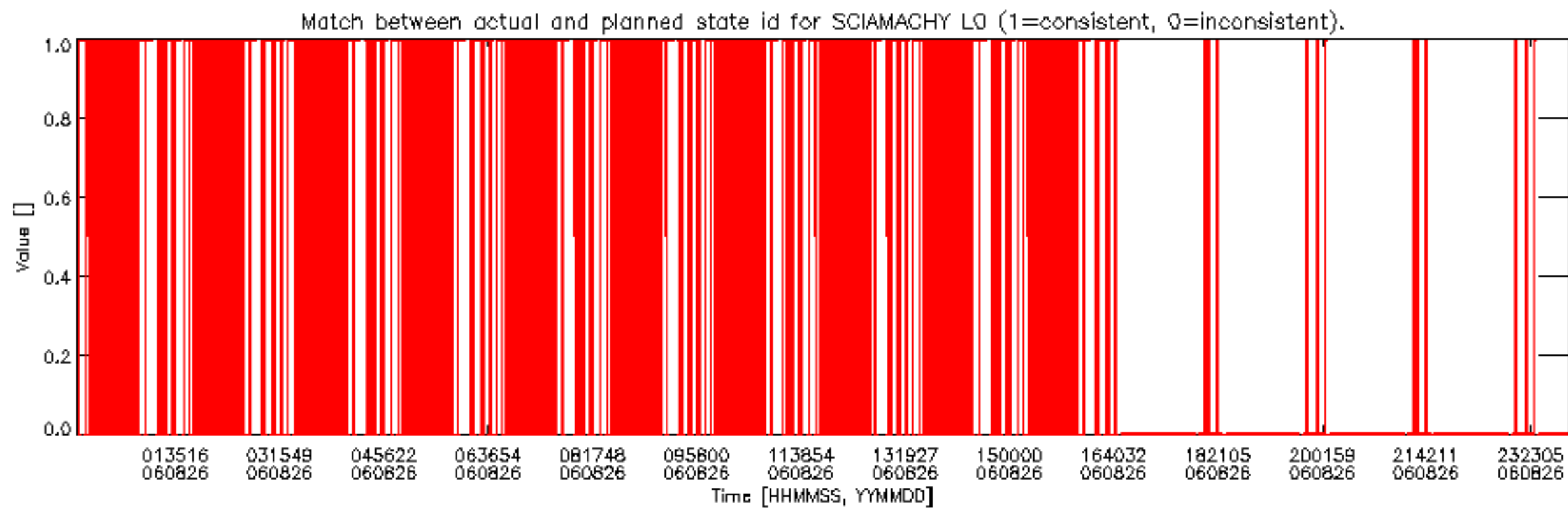
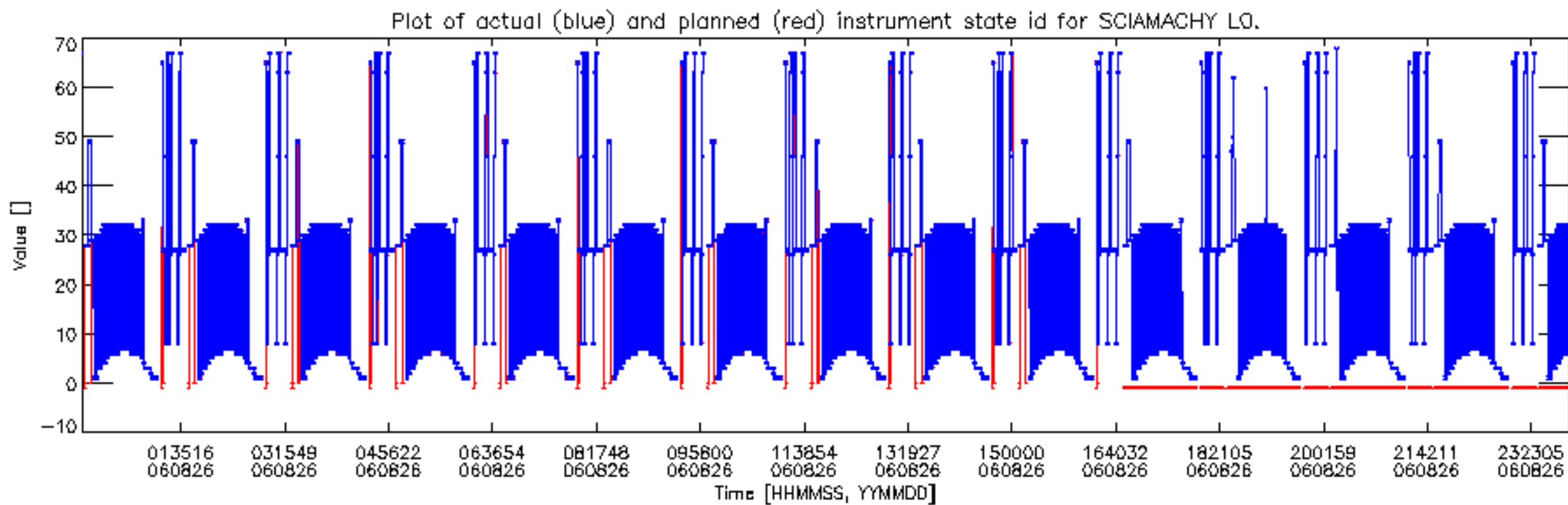












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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