

## 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	01SEP2006 06:22:43
Data source version	PFHS/5.37-N
Processing scope for products	28AUG2006 00:00:00 to 29AUG2006 00:00:00
Start time of first product within scope	27AUG2006 22:38:26
Stop time of last product within scope	29AUG2006 01:28:08
Total number of level 0 products	17
Number of level 0 products with errors	17

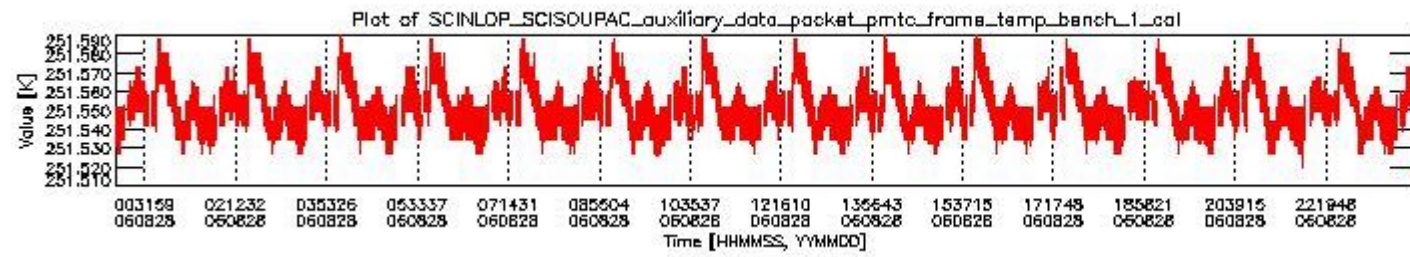
### 0.1.2 Summary per product

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

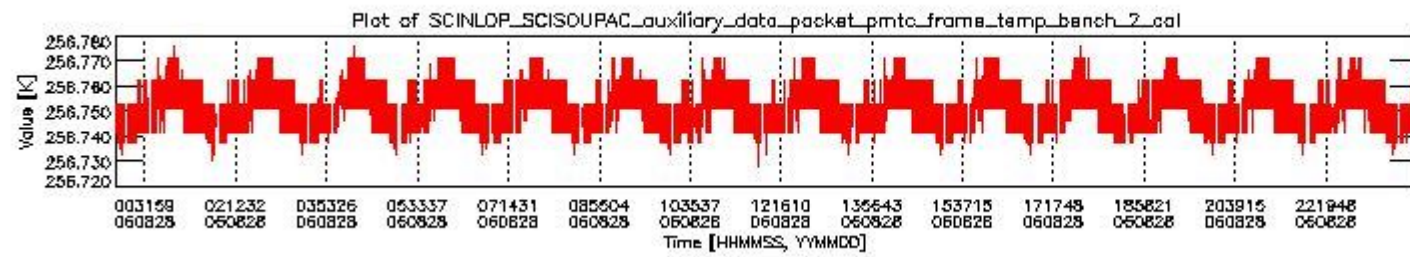
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060827_223826_000061242050_00387_23487_0449.N1	27AUG2006 22:38:26	28AUG2006 00:20:30	1	0	1	0	0
1	SCI_NL__OPNPDE20060828_001907_000058572050_00388_23488_0450.N1	28AUG2006 00:19:07	28AUG2006 01:56:44	1	0	1	0	0
2	SCI_NL__OPNPDE20060828_015527_000045812050_00389_23489_0451.N1	28AUG2006 01:55:27	28AUG2006 03:11:49	1	0	1	0	0
3	SCI_NL__OPNPDE20060828_031149_000061482050_00390_23490_0452.N1	28AUG2006 03:11:49	28AUG2006 04:54:17	1	0	1	0	0
4	SCI_NL__OPNPDE20060828_045321_000060362050_00391_23491_0453.N1	28AUG2006 04:53:21	28AUG2006 06:33:57	1	0	1	0	0
5	SCI_NL__OPNPDK20060828_063357_000041012050_00392_23492_0558.N1	28AUG2006 06:33:57	28AUG2006 07:42:19	1	0	1	0	0
6	SCI_NL__OPNPDK20060828_074123_000061602050_00393_23493_0559.N1	28AUG2006 07:41:23	28AUG2006 09:24:04	1	0	1	0	0
7	SCI_NL__OPNPDK20060828_092308_000060232050_00394_23494_0560.N1	28AUG2006 09:23:08	28AUG2006 11:03:32	1	0	1	0	0
8	SCI_NL__OPNPDK20060828_110332_000059242050_00395_23495_0569.N1	28AUG2006 11:03:32	28AUG2006 12:42:16	1	0	1	0	0
9	SCI_NL__OPNPDK20060828_124216_000058992050_00396_23496_0562.N1	28AUG2006 12:42:16	28AUG2006 14:20:35	1	0	1	0	0
10	SCI_NL__OPNPDK20060828_141939_000058562050_00397_23497_0563.N1	28AUG2006 14:19:39	28AUG2006 15:57:16	1	0	1	0	0
11	SCI_NL__OPNPDK20060828_155511_000058502050_00398_23498_0564.N1	28AUG2006 15:55:11	28AUG2006 17:32:42	1	0	1	0	0
12	SCI_NL__OPNPDK20060828_173130_000061882050_00399_23499_0565.N1	28AUG2006 17:31:30	28AUG2006 19:14:39	1	0	1	0	0
13	SCI_NL__OPNPDK20060828_191343_000060162050_00400_23500_0566.N1	28AUG2006 19:13:43	28AUG2006 20:54:00	1	0	1	0	0
14	SCI_NL__OPNPDE20060828_205046_000046132050_00401_23501_0454.N1	28AUG2006 20:50:46	28AUG2006 22:07:40	1	0	1	0	0
15	SCI_NL__OPNPDE20060828_220612_000060842050_00401_23501_0455.N1	28AUG2006 22:06:12	28AUG2006 23:47:37	1	0	1	0	0
16	SCI_NL__OPNPDE20060828_234703_000060652050_00402_23502_0456.N1	28AUG2006 23:47:03	29AUG2006 01:28:08	1	0	1	0	0

## 0.2 Product Quality Indicators

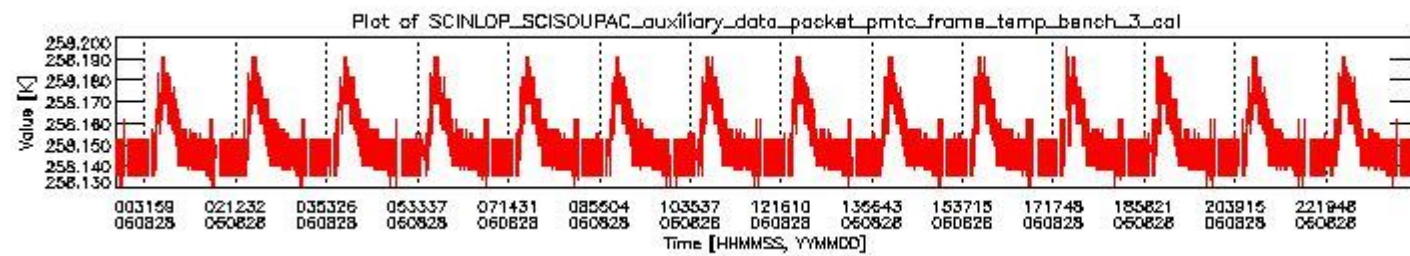
This section shows information about product quality, currently temperatures.



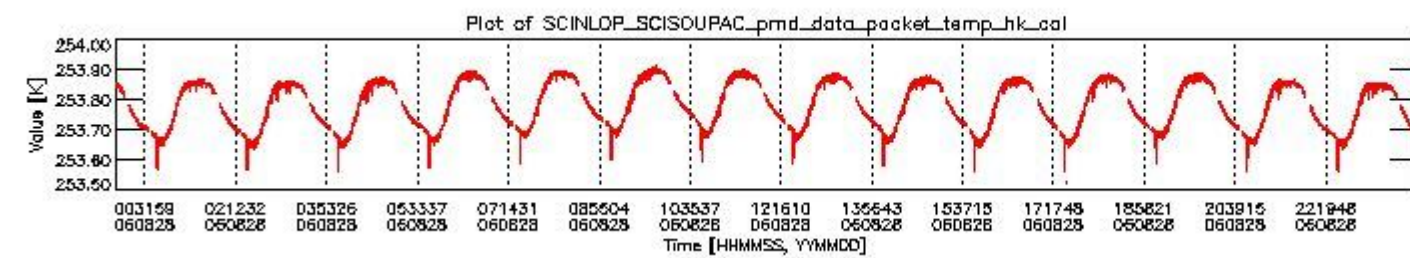
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_0.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_1.PNG

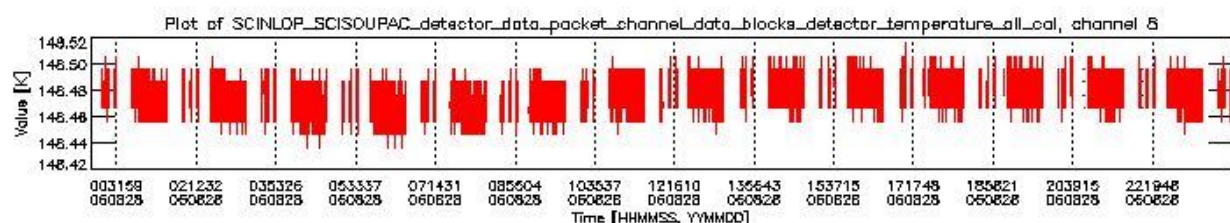
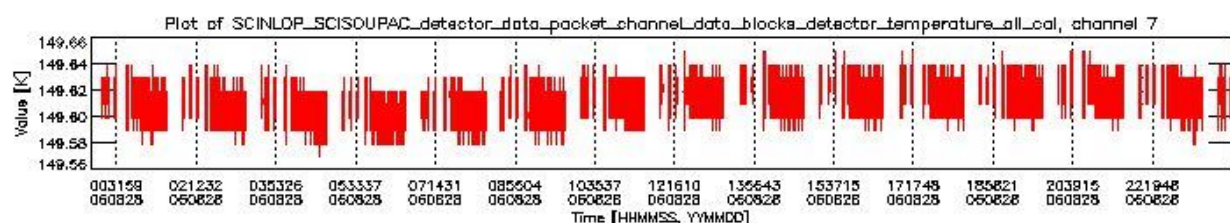
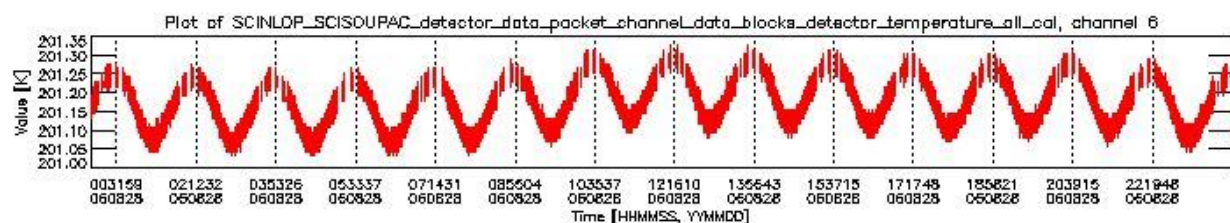
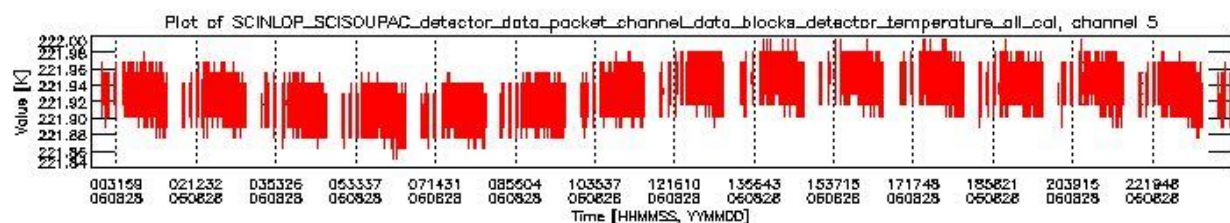
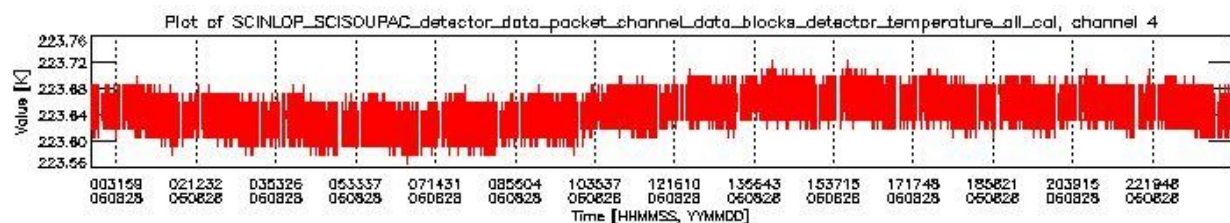
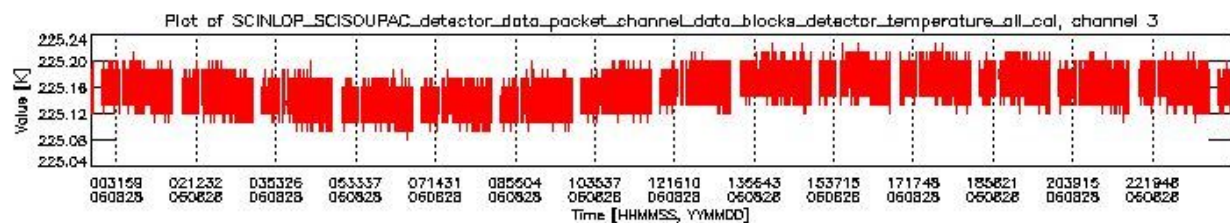
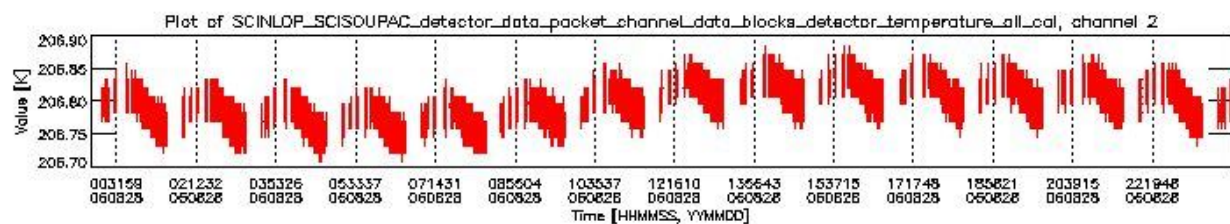
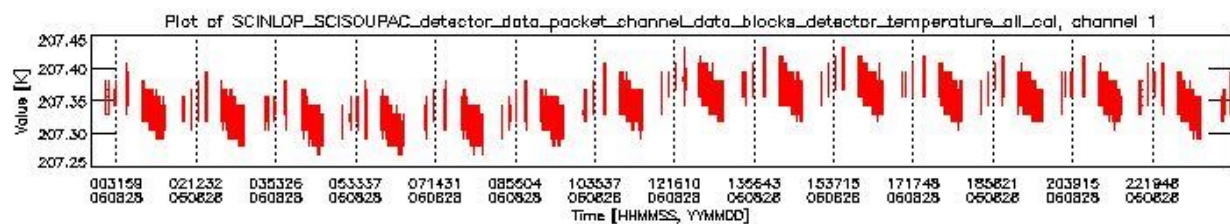


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_3.PNG



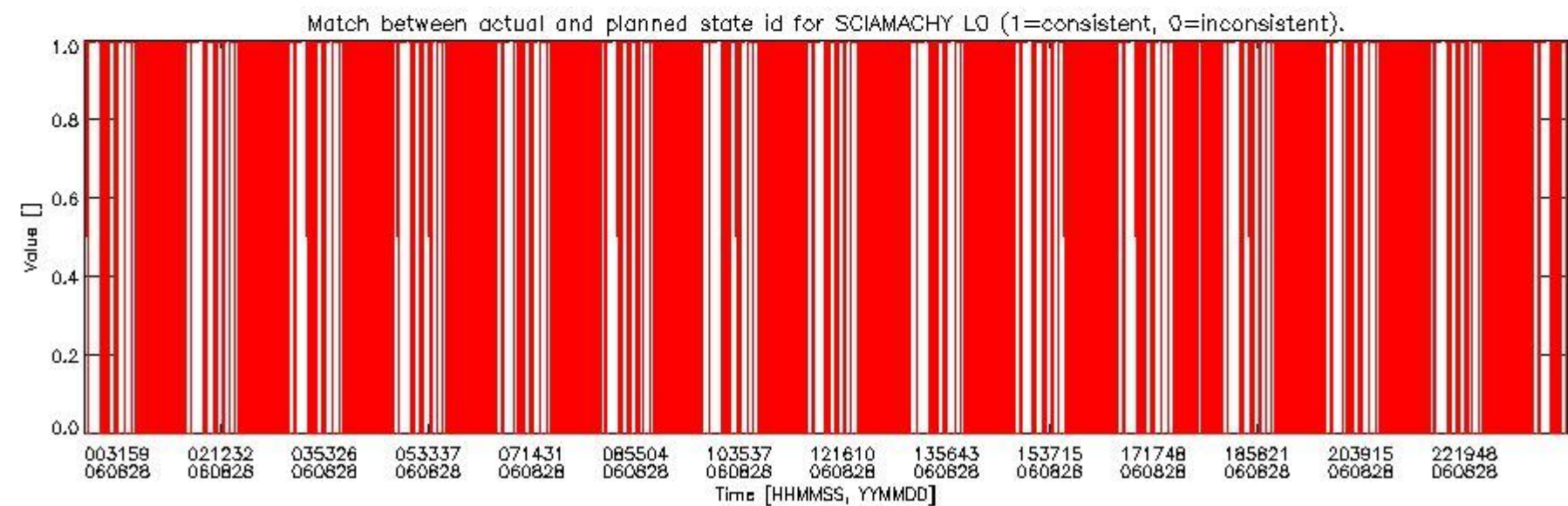
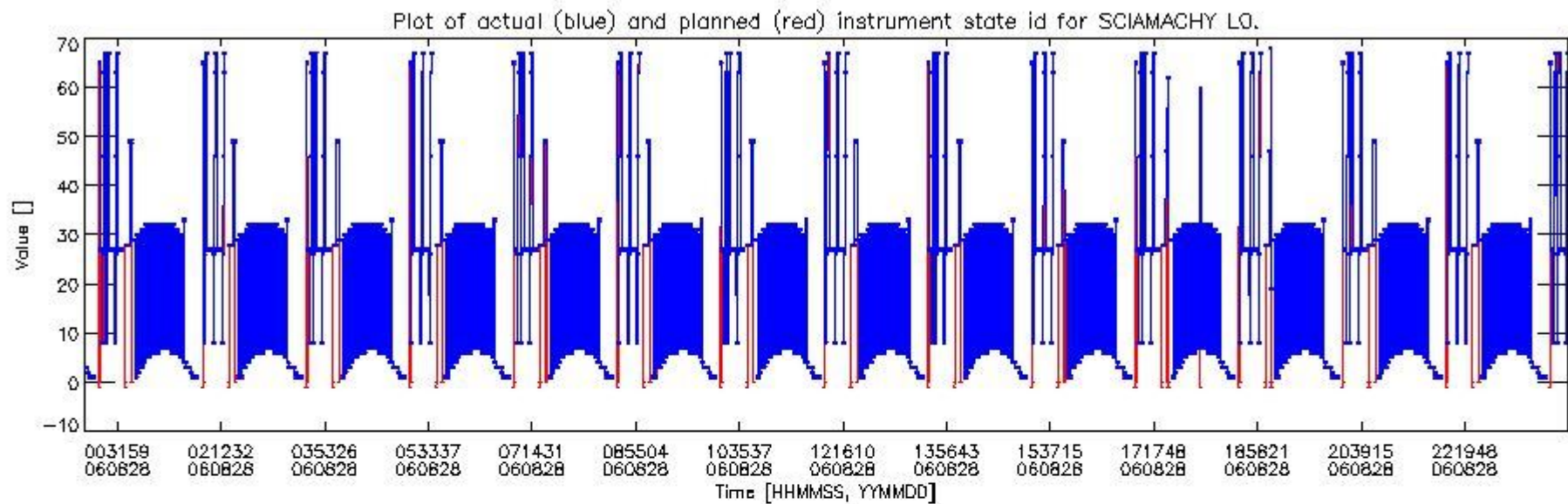


### 0.3 State monitoring

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: **2870**

#	Actual time	Actual value	Planned time	Planned value
0	28AUG2006 00:02:32.633129	2	28AUG2006 00:02:32.633129	3
1	28AUG2006 00:02:32.883138	2	28AUG2006 00:02:32.883138	3
2	28AUG2006 00:02:33.008142	2	28AUG2006 00:02:33.008142	3
3	28AUG2006 00:02:33.133146	2	28AUG2006 00:02:33.133146	3
4	28AUG2006 00:03:41.191719	1	28AUG2006 00:03:41.191719	2
5	28AUG2006 00:03:41.441728	1	28AUG2006 00:03:41.441728	2
6	28AUG2006 00:03:41.566732	1	28AUG2006 00:03:41.566732	2
7	28AUG2006 00:03:41.691737	1	28AUG2006 00:03:41.691737	2
8	28AUG2006 00:14:51.000277	27	28AUG2006 00:14:51.000277	0
9	28AUG2006 00:17:03.176064	8	28AUG2006 00:17:03.176064	27
10	28AUG2006 00:17:46.738571	26	28AUG2006 00:17:46.738571	8
11	28AUG2006 00:17:47.363553	26	28AUG2006 00:17:47.363553	8
12	28AUG2006 00:18:20.297150	46	28AUG2006 00:18:20.297150	26
13	28AUG2006 00:18:20.922172	46	28AUG2006 00:18:20.922172	26
14	28AUG2006 00:18:33.855757	63	28AUG2006 00:18:33.855757	46
15	28AUG2006 00:18:34.480738	63	28AUG2006 00:18:34.480738	46
16	28AUG2006 00:19:07.414336	67	28AUG2006 00:19:07.414336	63
17	28AUG2006 00:19:07.664344	67	28AUG2006 00:19:07.664344	63
18	28AUG2006 00:19:07.789349	67	28AUG2006 00:19:07.789349	63
19	28AUG2006 00:19:07.914353	67	28AUG2006 00:19:07.914353	63
	...	...	...	...



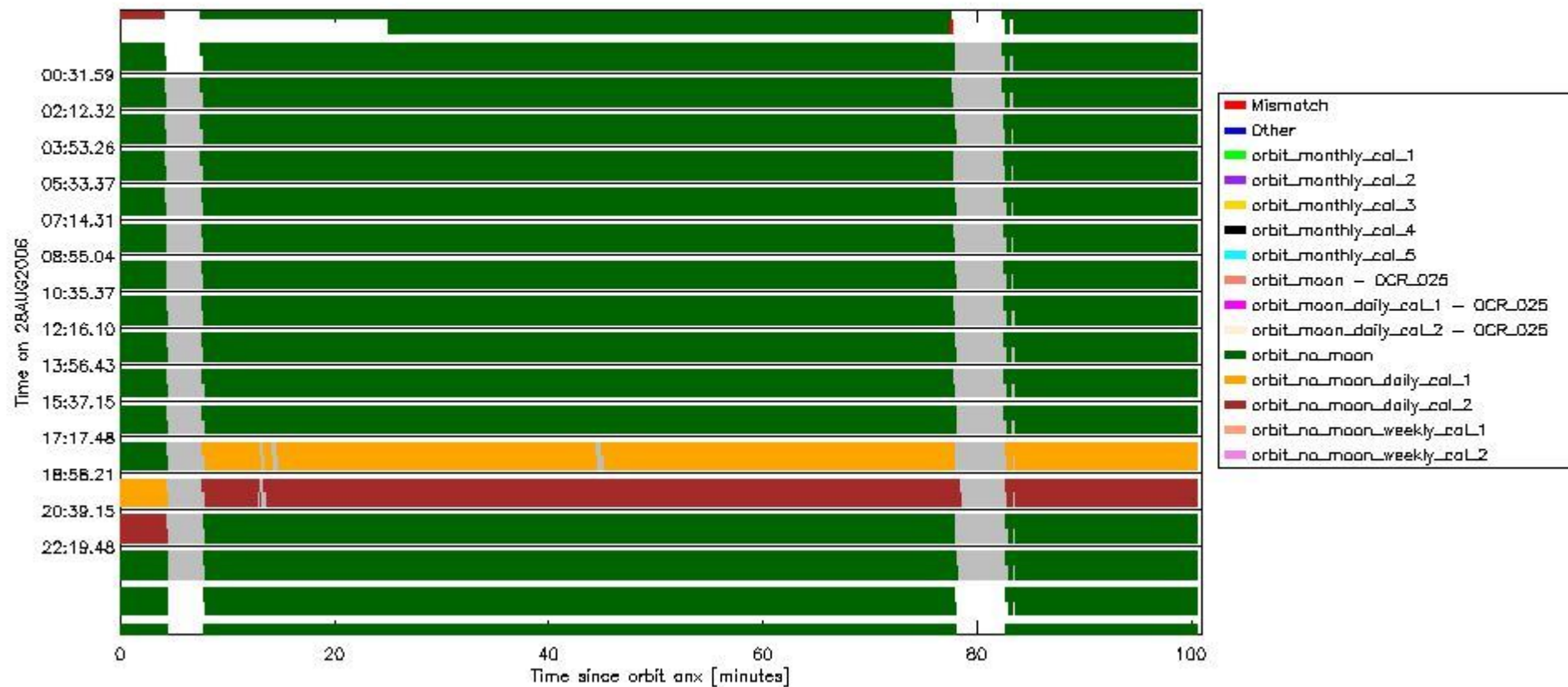
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_5.PNG

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 28AUG2006.  
 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\_PFHS\_5\_37\_N\_20060828\_6.PNG

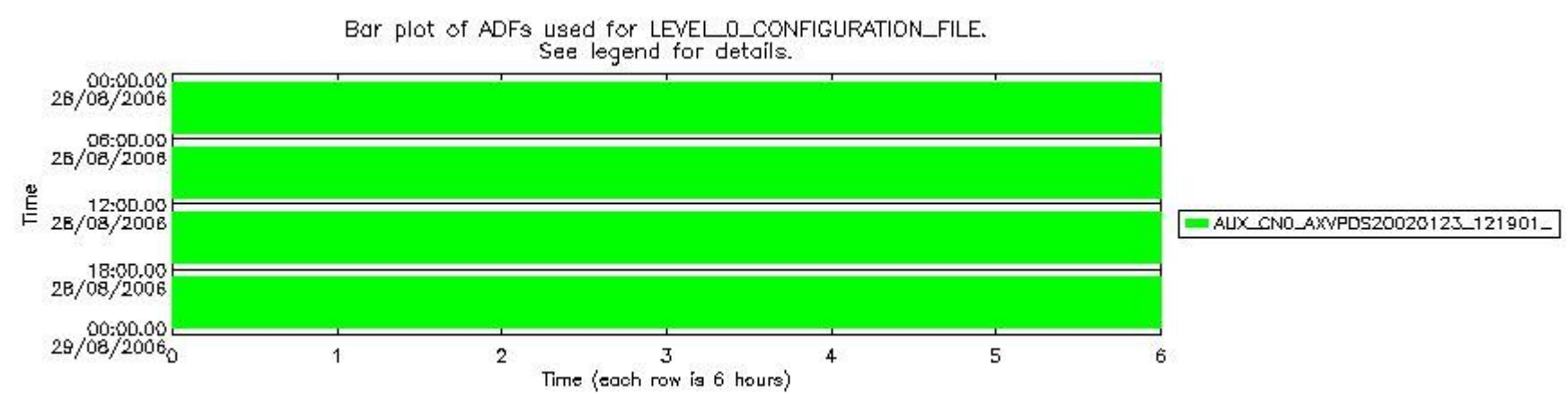
## 0.4 ADF monitoring

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

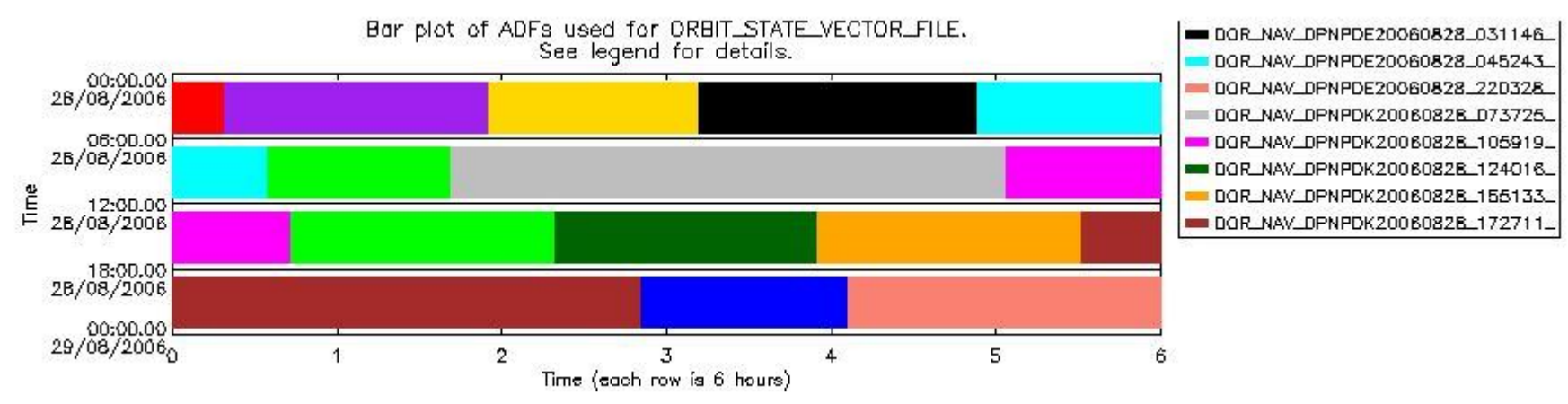
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

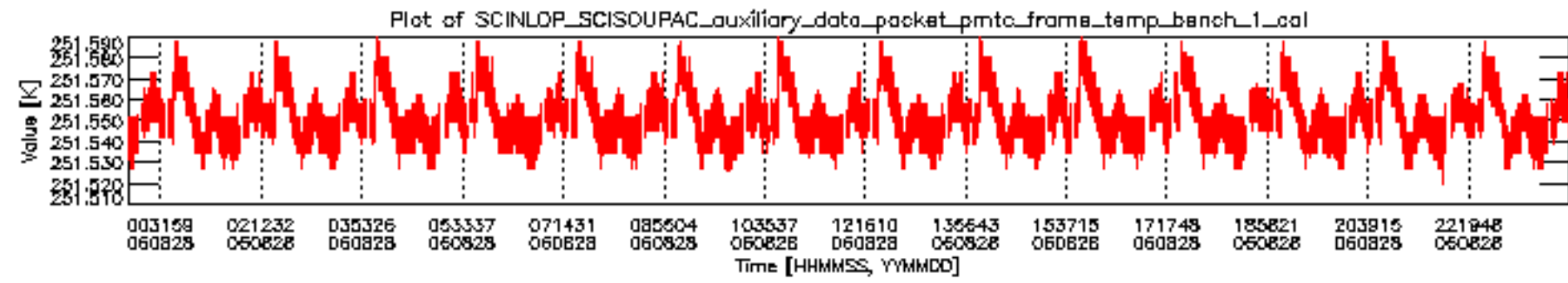
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060827_224253_20060827_193011_20060906_205622
2	AUX_FPO_AXVPDS20060827_224324_20060827_193011_20060906_205622
3	DOR_NAV_OPNPDE20060827_204913_000060572050_00386_23486_0437.N1
4	DOR_NAV_OPNPDE20060828_001626_000054192050_00388_23488_0439.N1
5	DOR_NAV_OPNPDE20060828_015204_000044632050_00389_23489_0440.N1
6	DOR_NAV_OPNPDE20060828_031146_000057382050_00390_23490_0441.N1
7	DOR_NAV_OPNPDE20060828_045243_000057382050_00391_23491_0442.N1
8	DOR_NAV_OPNPDE20060828_220328_000057382050_00401_23501_0444.N1
9	DOR_NAV_OPNPDK20060828_073725_000060572050_00393_23493_0569.N1
10	DOR_NAV_OPNPDK20060828_105919_000057382050_00395_23495_0571.N1
11	DOR_NAV_OPNPDK20060828_124016_000054192050_00396_23496_0572.N1
12	DOR_NAV_OPNPDK20060828_155133_000057382050_00398_23498_0574.N1
13	DOR_NAV_OPNPDK20060828_172711_000060562050_00399_23499_0575.N1



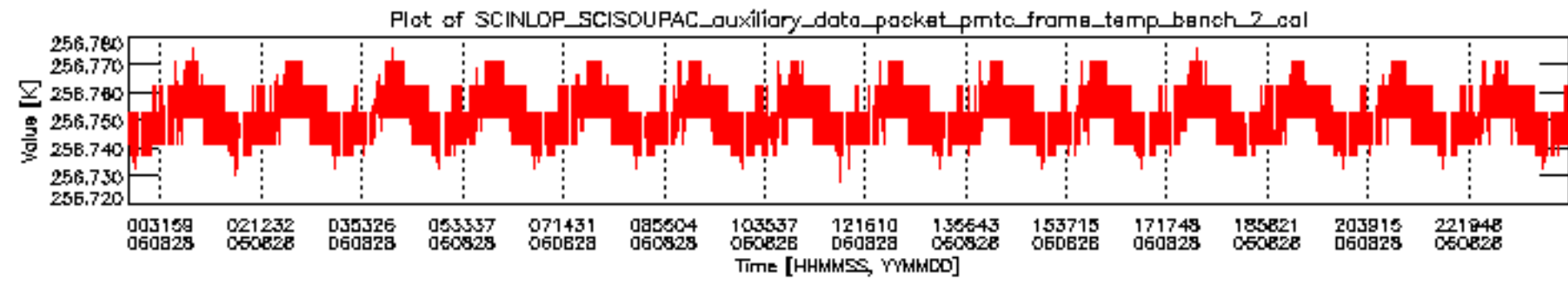
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_7.PNG

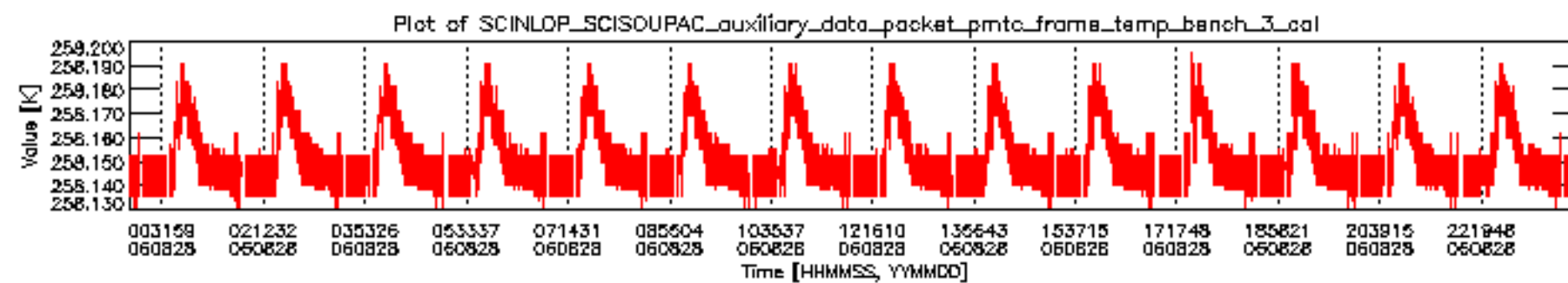


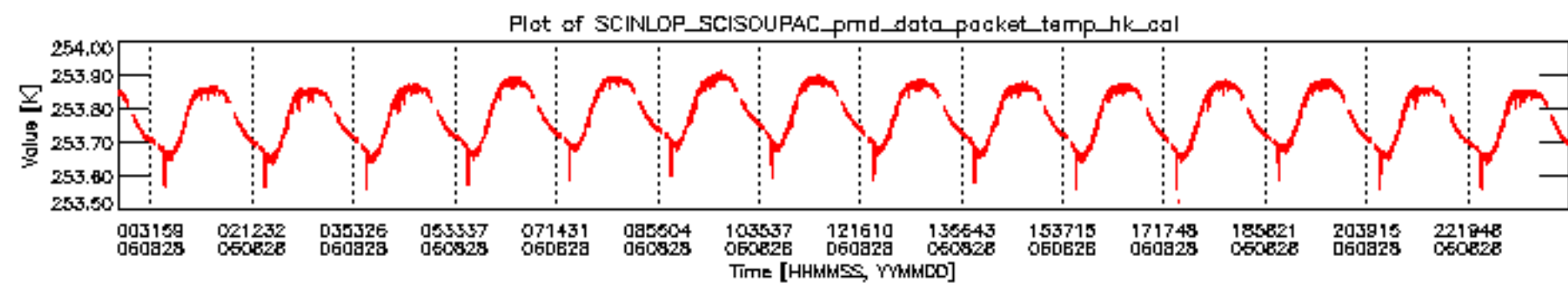
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060828\_8.PNG

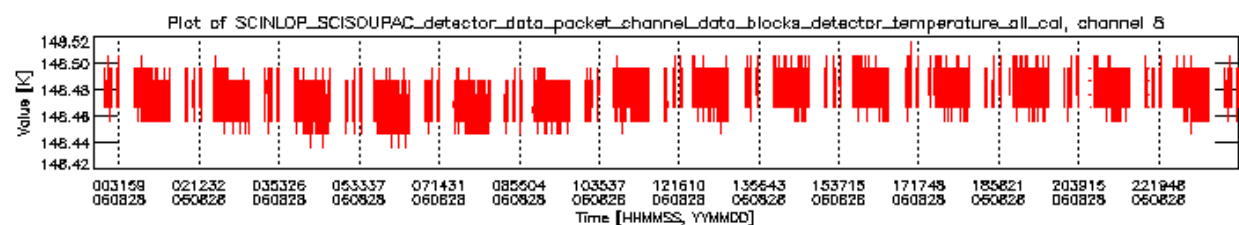
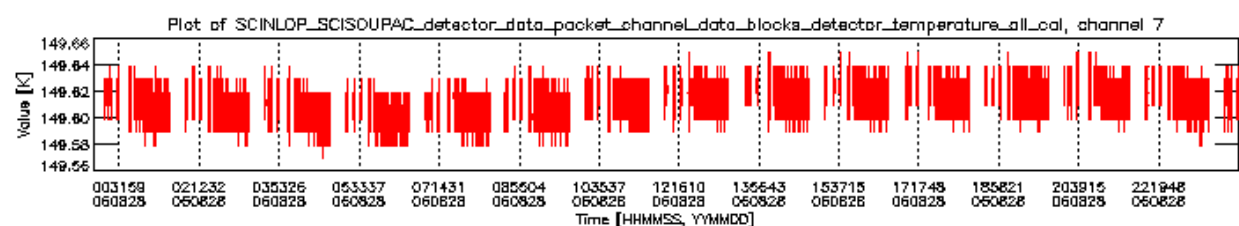
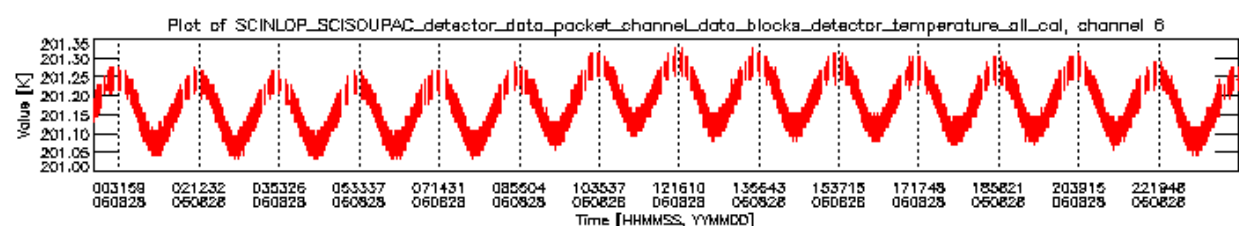
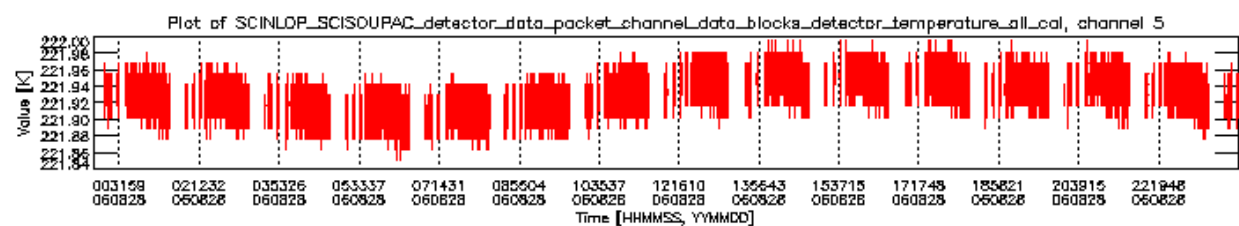
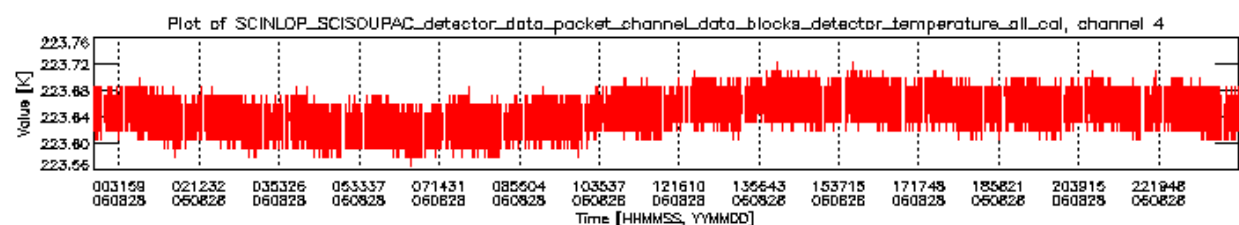
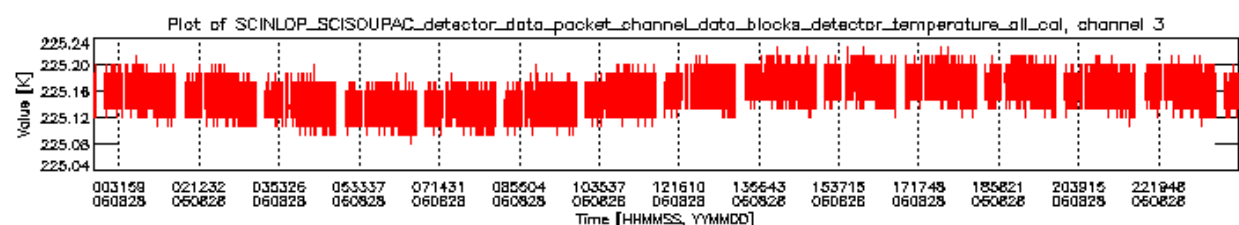
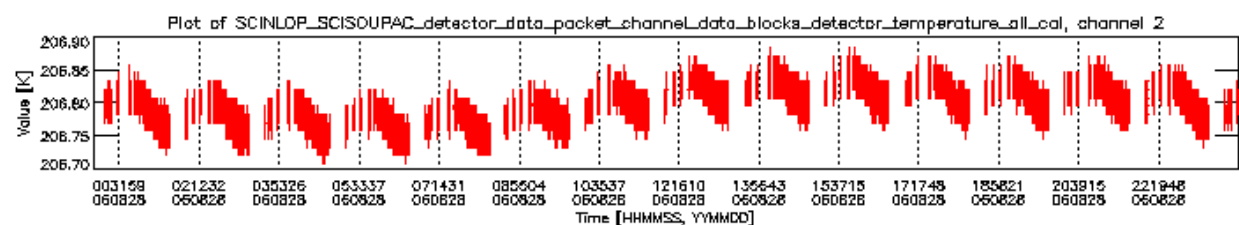
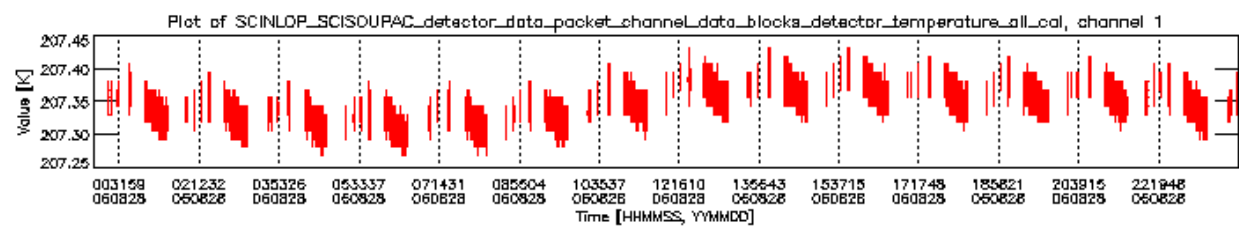




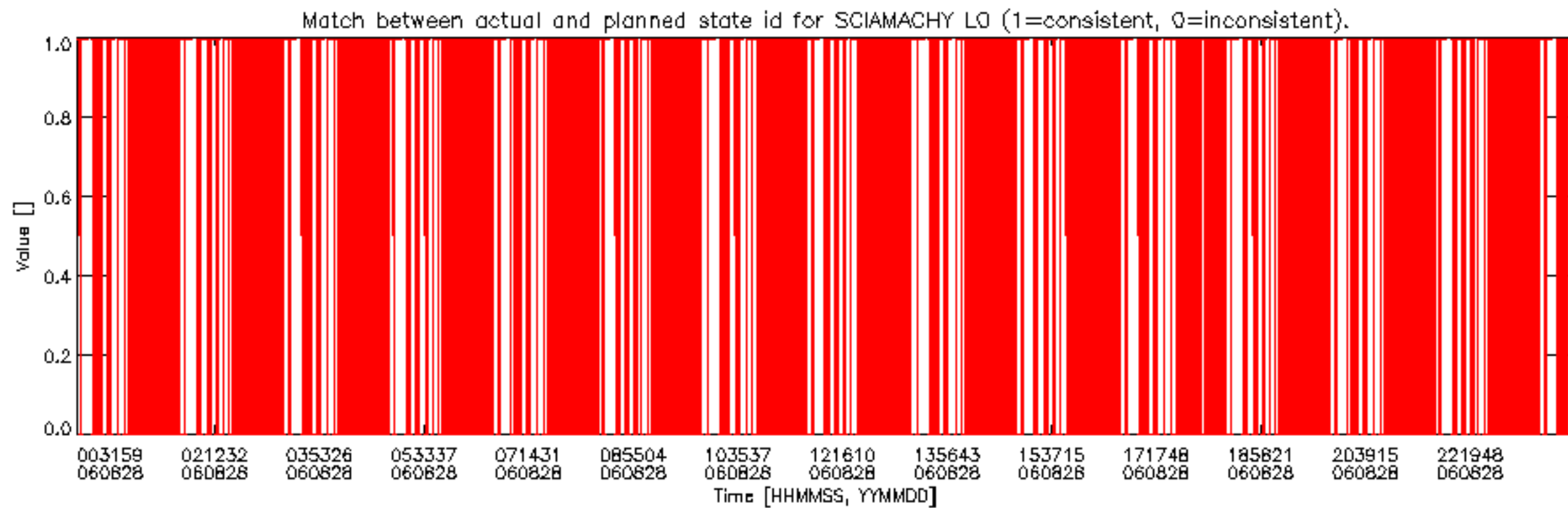
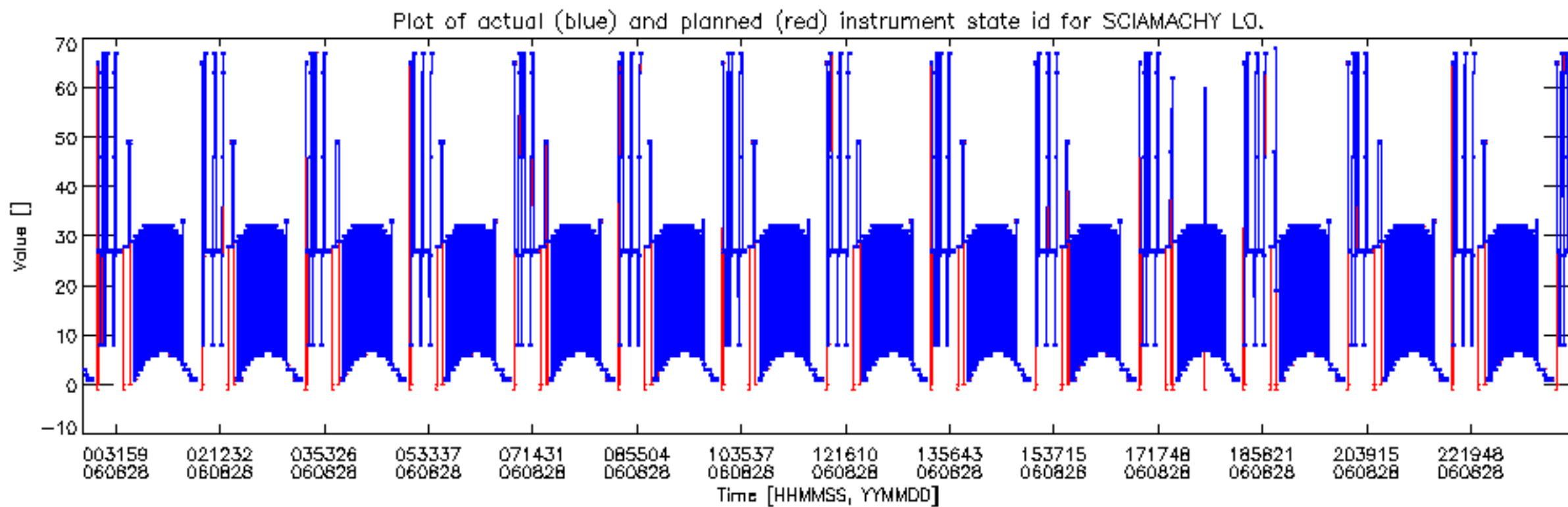












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 28AUG2006.  
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