

## 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	31AUG2006 05:10:34
Data source version	PFHS/5.37-N
Processing scope for products	27AUG2006 00:00:00 to 28AUG2006 00:00:00
Start time of first product within scope	26AUG2006 23:07:49
Stop time of last product within scope	28AUG2006 00:20:30
Total number of level 0 products	15
Number of level 0 products with errors	15

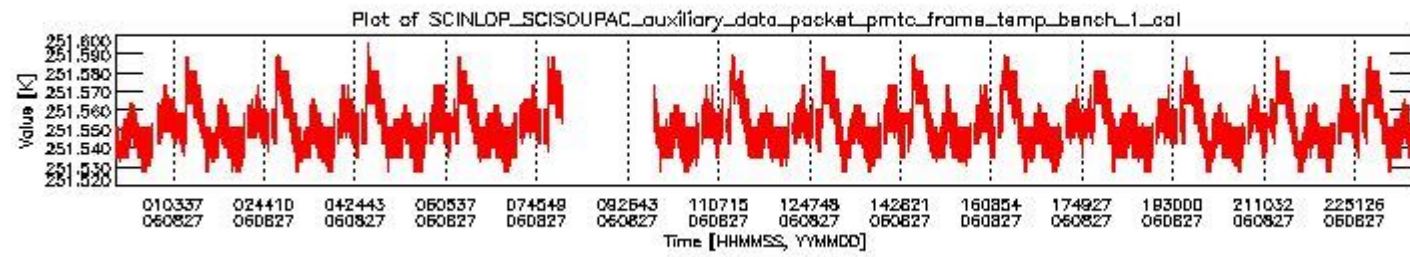
### 0.1.2 Summary per product

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

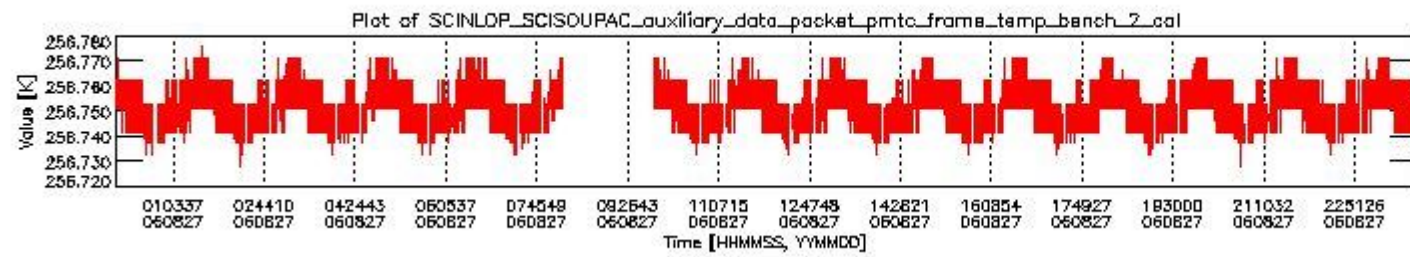
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060826_230749_000062522050_00373_23473_0441.N1	26AUG2006 23:07:49	27AUG2006 00:52:01	1	0	1	0	0
1	SCI_NL__OPNPDE20060827_005037_000043132050_00374_23474_0442.N1	27AUG2006 00:50:37	27AUG2006 02:02:30	1	0	1	0	0
2	SCI_NL__OPNPDE20060827_020230_000061042050_00375_23475_0443.N1	27AUG2006 02:02:30	27AUG2006 03:44:15	1	0	1	0	0
3	SCI_NL__OPNPDE20060827_034415_000060362050_00376_23476_0444.N1	27AUG2006 03:44:15	27AUG2006 05:24:52	1	0	1	0	0
4	SCI_NL__OPNPDE20060827_052343_000061052050_00377_23477_0445.N1	27AUG2006 05:23:43	27AUG2006 07:05:28	1	0	1	0	0
5	SCI_NL__OPNPDK20060827_070432_000041012050_00378_23478_0550.N1	27AUG2006 07:04:32	27AUG2006 08:12:54	1	0	1	0	0
6	SCI_NL__OPNPDK20060827_095439_000059672050_00380_23480_0552.N1	27AUG2006 09:54:39	27AUG2006 11:34:06	1	0	1	0	0
7	SCI_NL__OPNPDK20060827_113406_000059112050_00381_23481_0553.N1	27AUG2006 11:34:06	27AUG2006 13:12:38	1	0	1	0	0
8	SCI_NL__OPNPDK20060827_131238_000059112050_00382_23482_0554.N1	27AUG2006 13:12:38	27AUG2006 14:51:10	1	0	1	0	0
9	SCI_NL__OPNPDK20060827_145002_000058562050_00383_23483_0555.N1	27AUG2006 14:50:02	27AUG2006 16:27:38	1	0	1	0	0
10	SCI_NL__OPNPDK20060827_162533_000060312050_00384_23484_0556.N1	27AUG2006 16:25:33	27AUG2006 18:06:04	1	0	1	0	0
11	SCI_NL__OPNPDK20060827_180508_000060052050_00385_23485_0557.N1	27AUG2006 18:05:08	27AUG2006 19:45:14	1	0	1	0	0
12	SCI_NL__OPNPDE20060827_194418_000041592050_00386_23486_0447.N1	27AUG2006 19:44:18	27AUG2006 20:53:38	1	0	1	0	0
13	SCI_NL__OPNPDE20060827_205254_000064202050_00386_23486_0448.N1	27AUG2006 20:52:54	27AUG2006 22:39:54	1	0	1	0	0
14	SCI_NL__OPNPDE20060827_223826_000061242050_00387_23487_0449.N1	27AUG2006 22:38:26	28AUG2006 00:20:30	1	0	1	0	0

## 0.2 Product Quality Indicators

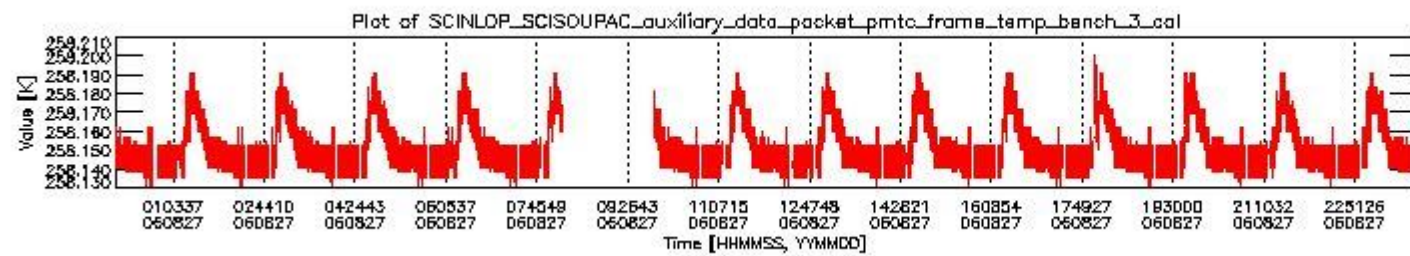
This section shows information about product quality, currently temperatures.



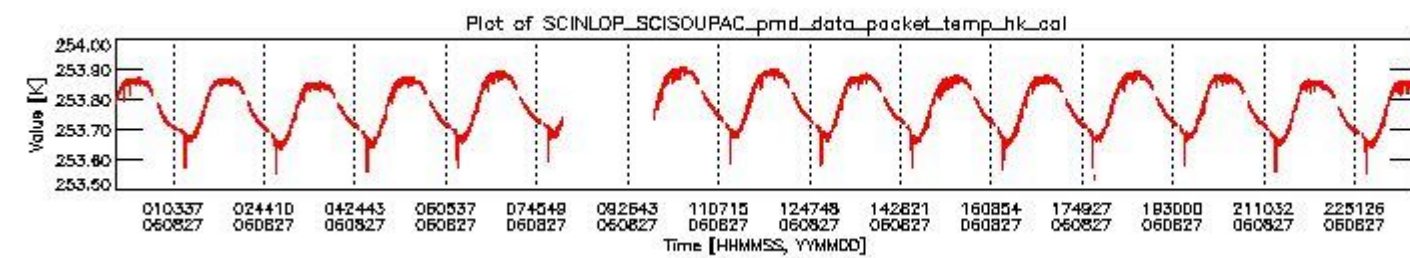
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_0.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_1.PNG

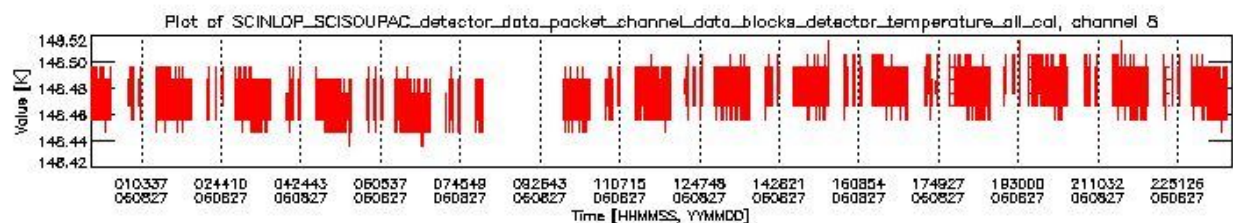
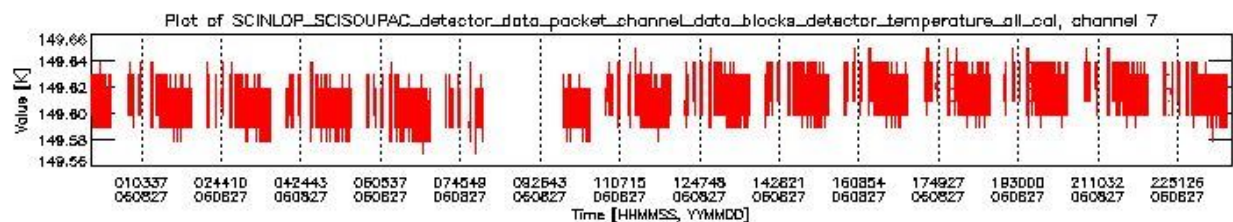
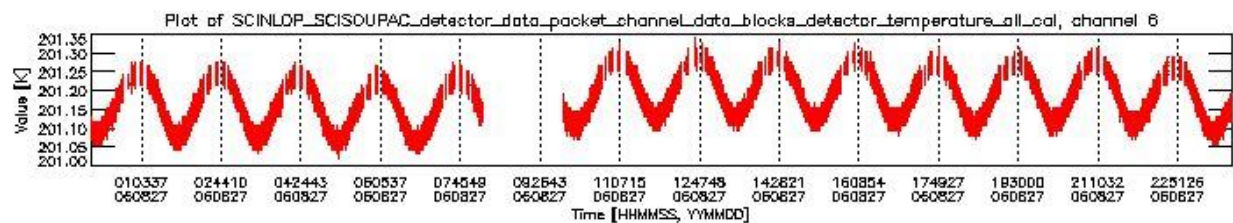
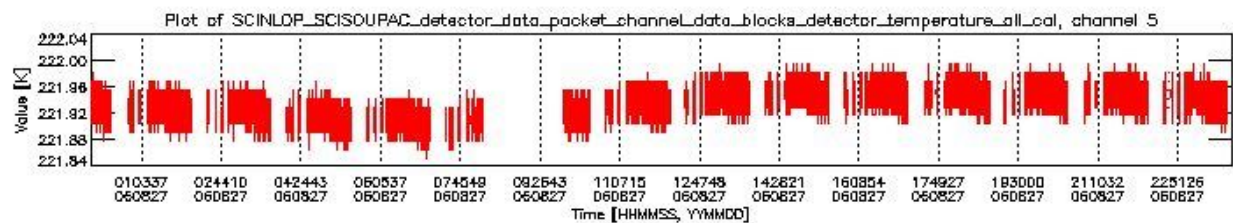
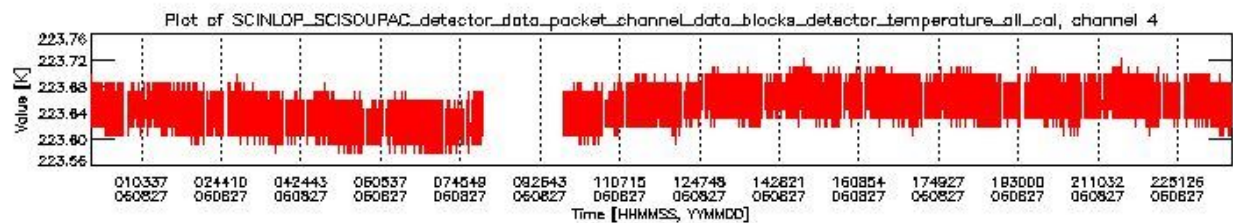
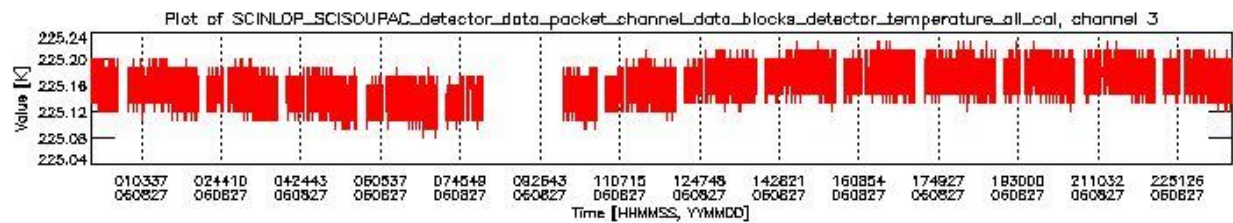
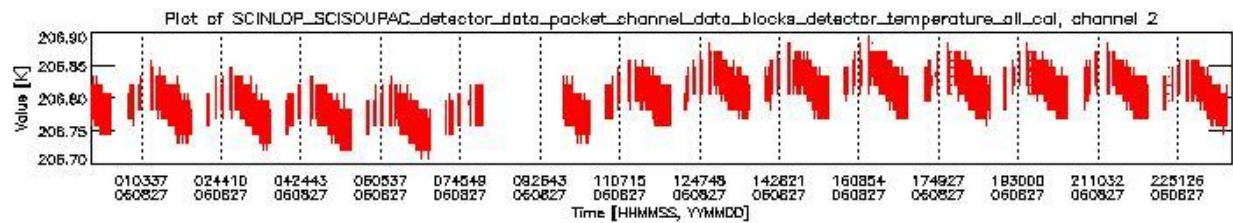
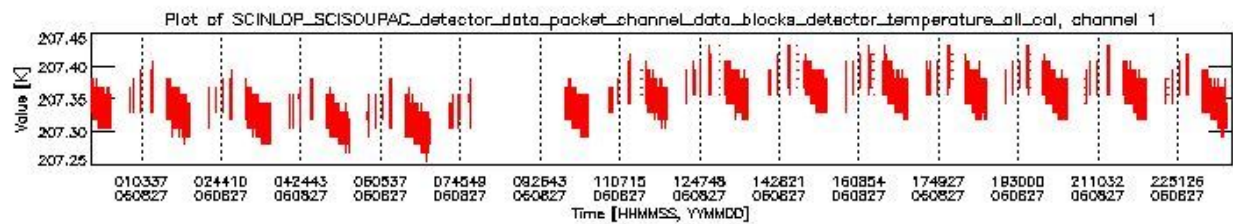


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_3.PNG



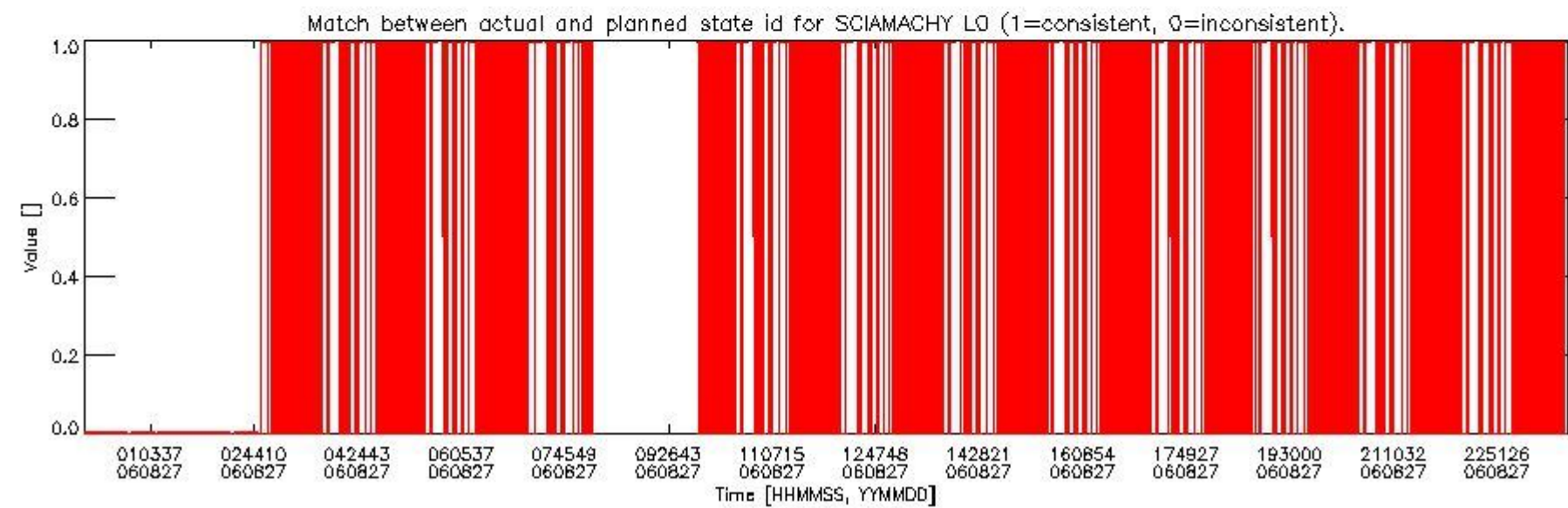
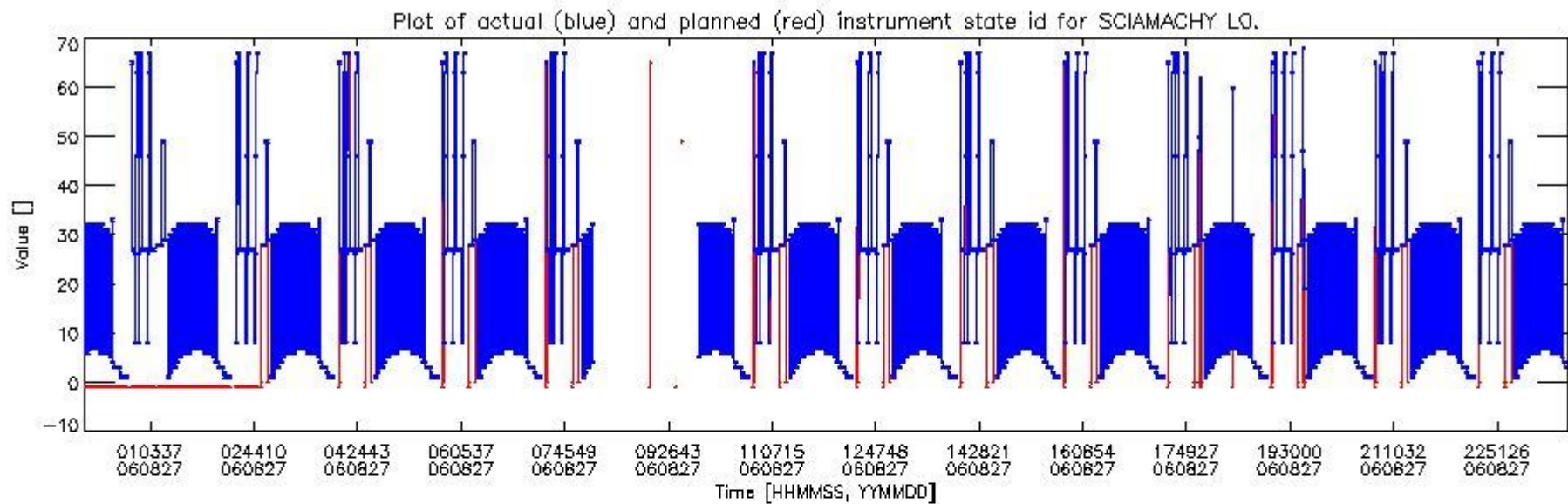


### 0.3 State monitoring

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: **40810**

#	Actual time	Actual value	Planned time	Planned value
0	27AUG2006 00:00:00.044015	32	27AUG2006 00:00:00.044015	-1
1	27AUG2006 00:00:00.419028	32	27AUG2006 00:00:00.419028	-1
2	27AUG2006 00:00:00.981528	32	27AUG2006 00:00:00.981528	-1
3	27AUG2006 00:00:01.356500	32	27AUG2006 00:00:01.356500	-1
4	27AUG2006 00:00:01.731513	32	27AUG2006 00:00:01.731513	-1
5	27AUG2006 00:00:02.106526	32	27AUG2006 00:00:02.106526	-1
6	27AUG2006 00:00:02.669026	32	27AUG2006 00:00:02.669026	-1
7	27AUG2006 00:00:03.044039	32	27AUG2006 00:00:03.044039	-1
8	27AUG2006 00:00:03.419012	32	27AUG2006 00:00:03.419012	-1
9	27AUG2006 00:00:03.544016	32	27AUG2006 00:00:03.544016	-1
10	27AUG2006 00:00:03.794025	32	27AUG2006 00:00:03.794025	-1
11	27AUG2006 00:00:04.356524	32	27AUG2006 00:00:04.356524	-1
12	27AUG2006 00:00:04.731537	32	27AUG2006 00:00:04.731537	-1
13	27AUG2006 00:00:05.106510	32	27AUG2006 00:00:05.106510	-1
14	27AUG2006 00:00:05.481523	32	27AUG2006 00:00:05.481523	-1
15	27AUG2006 00:00:06.044023	32	27AUG2006 00:00:06.044023	-1
16	27AUG2006 00:00:06.419036	32	27AUG2006 00:00:06.419036	-1
17	27AUG2006 00:00:06.794009	32	27AUG2006 00:00:06.794009	-1
18	27AUG2006 00:00:07.169022	32	27AUG2006 00:00:07.169022	-1
19	27AUG2006 00:00:07.731521	32	27AUG2006 00:00:07.731521	-1
	...	...	...	...



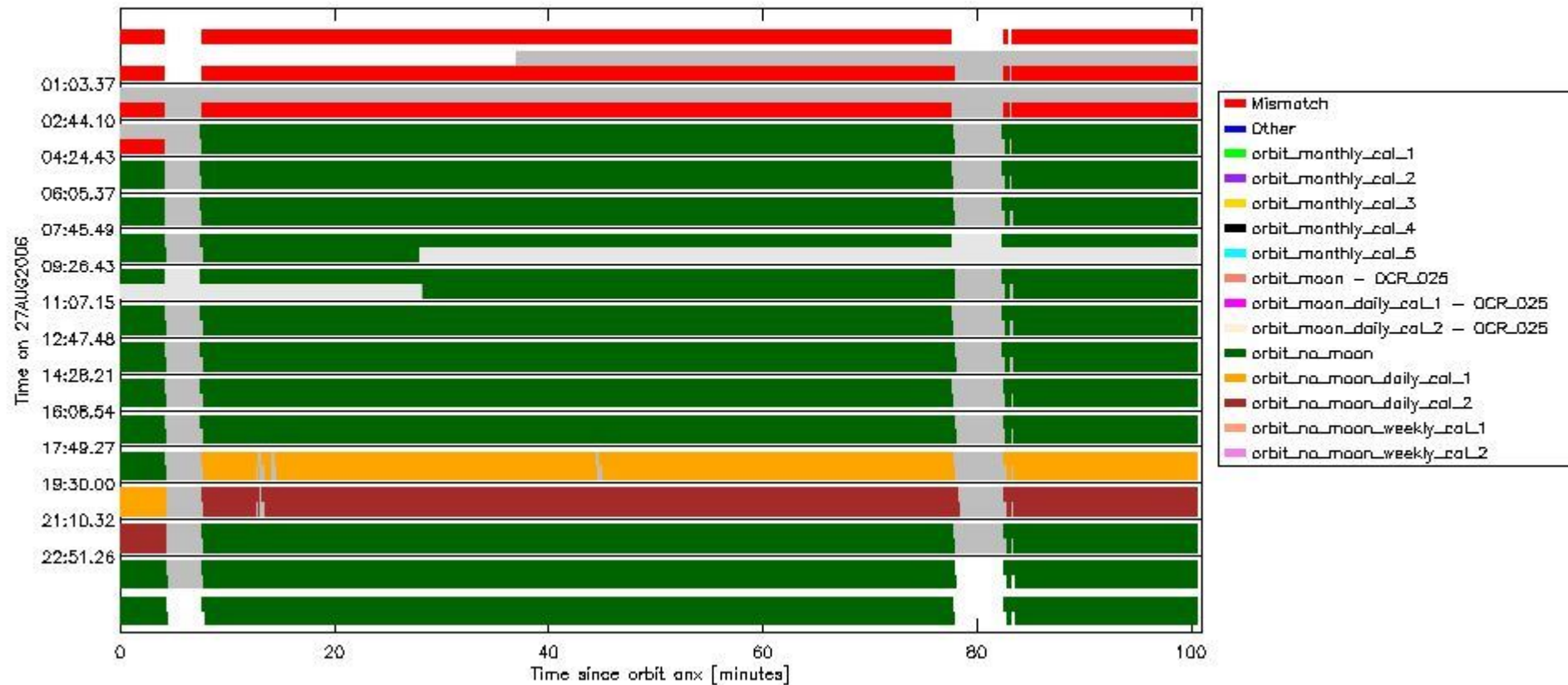
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_5.PNG

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 27AUG2006.  
 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\_20060827\_6.PNG

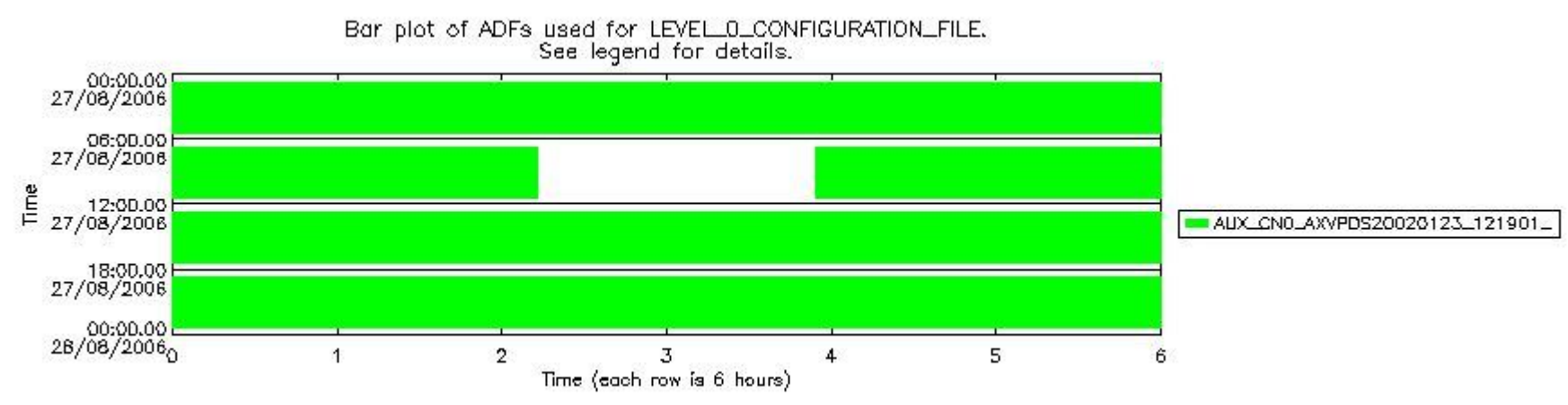
## 0.4 ADF monitoring

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

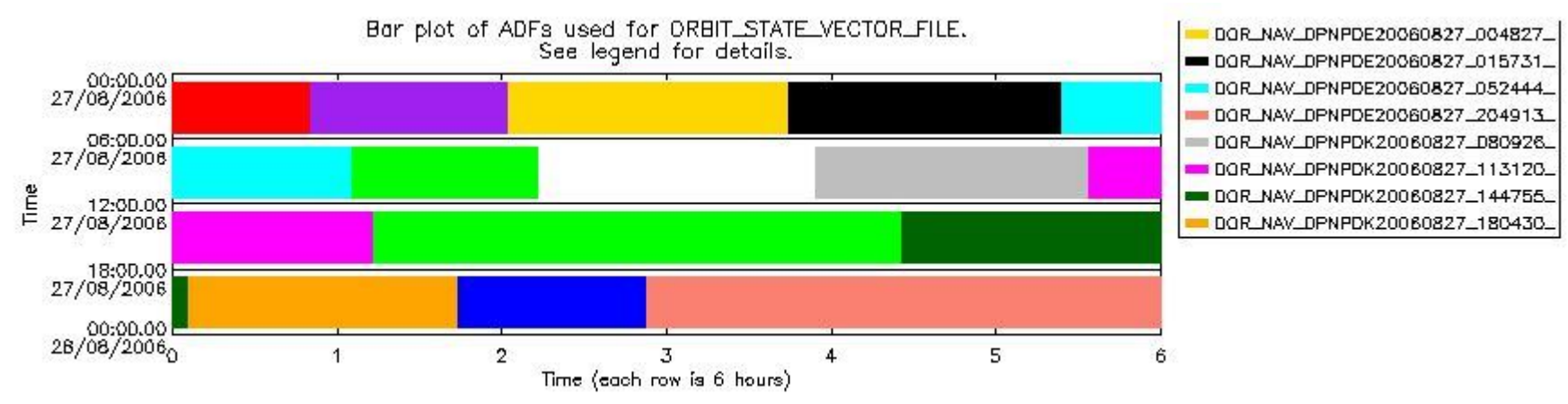
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

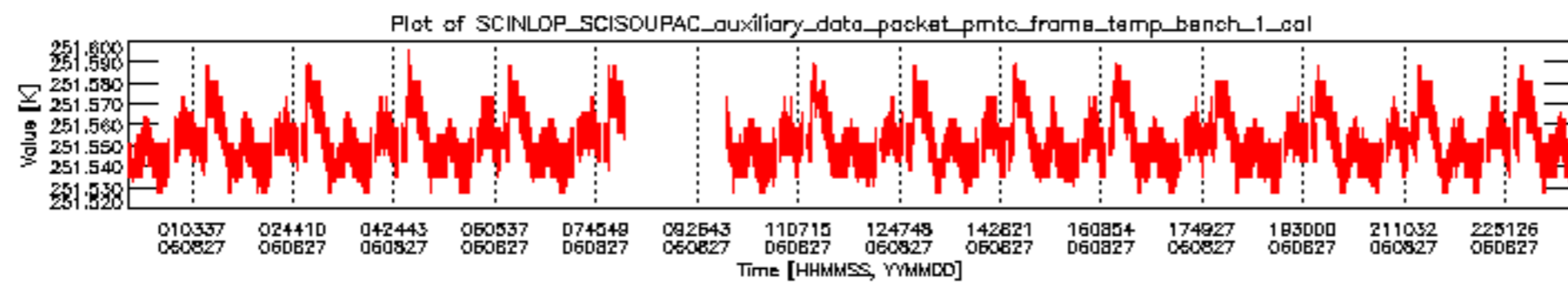
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060826_232403_20060826_182112_20060905_212759
2	AUX_FPO_AXVPDS20060826_233542_20060826_182112_20060905_212759
3	DOR_NAV_OPNPDE20060826_212633_000057382050_00372_23472_0430.N1
4	DOR_NAV_OPNPDE20060826_230730_000057382050_00373_23473_0431.N1
5	DOR_NAV_OPNPDE20060827_004827_000041442050_00374_23474_0432.N1
6	DOR_NAV_OPNPDE20060827_015731_000060562050_00375_23475_0433.N1
7	DOR_NAV_OPNPDE20060827_052444_000054192050_00377_23477_0435.N1
8	DOR_NAV_OPNPDE20060827_204913_000060572050_00386_23486_0437.N1
9	DOR_NAV_OPNPDK20060827_080926_000057382050_00379_23479_0559.N1
10	DOR_NAV_OPNPDK20060827_113120_000057382050_00381_23481_0561.N1
11	DOR_NAV_OPNPDK20060827_144755_000054192050_00383_23483_0563.N1
12	DOR_NAV_OPNPDK20060827_180430_000054192050_00385_23485_0565.N1



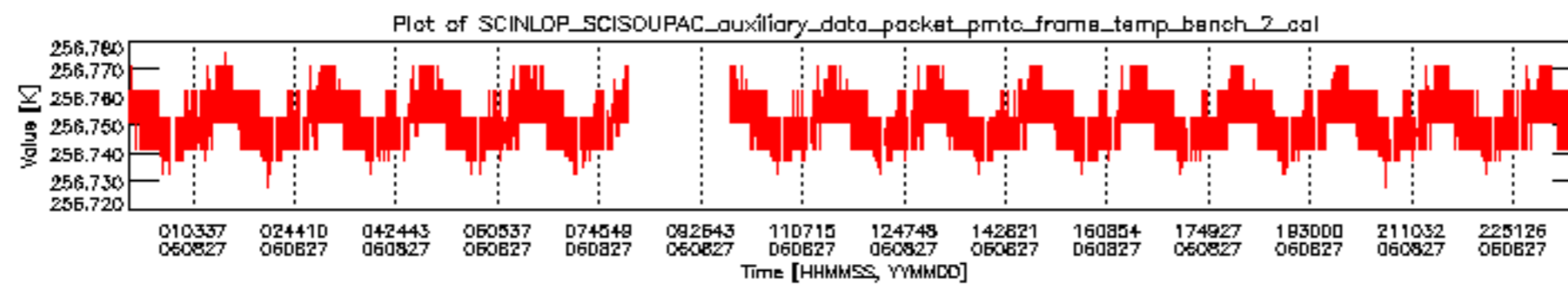
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_7.PNG

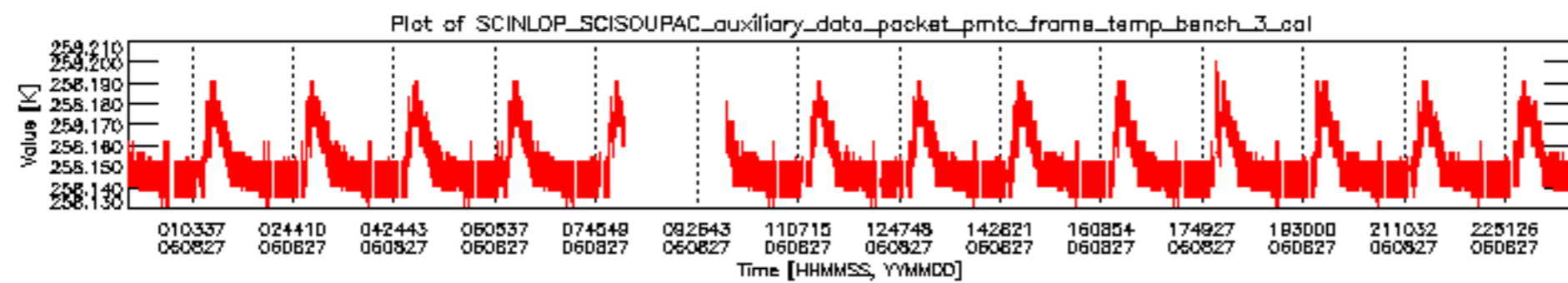


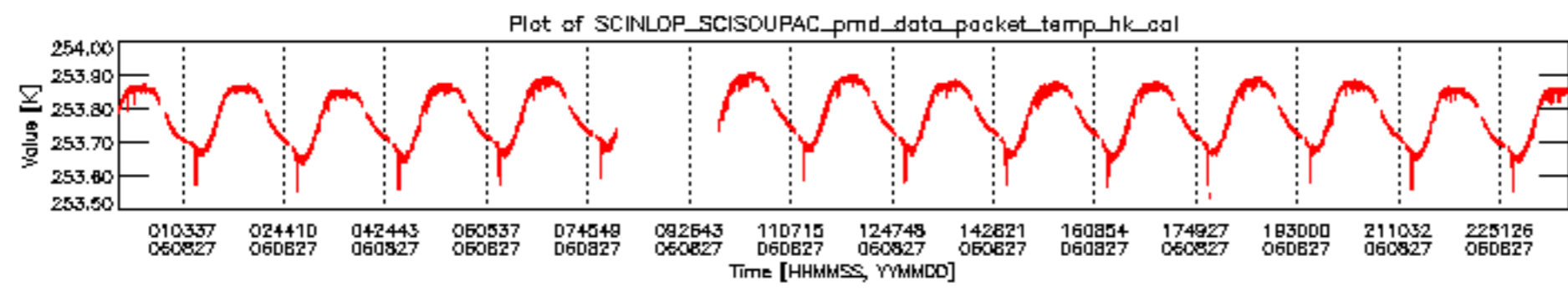
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060827\_8.PNG

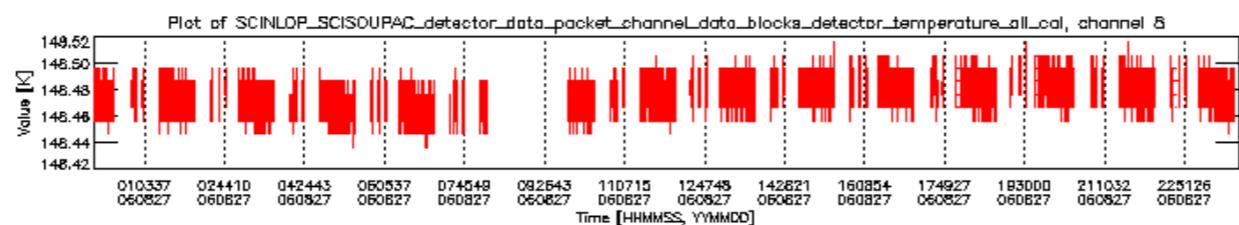
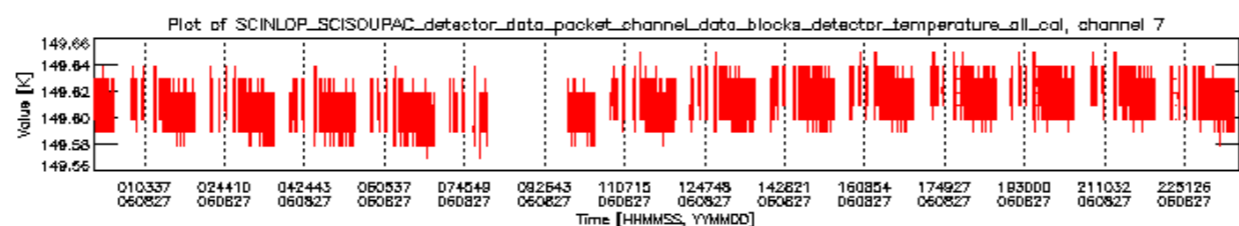
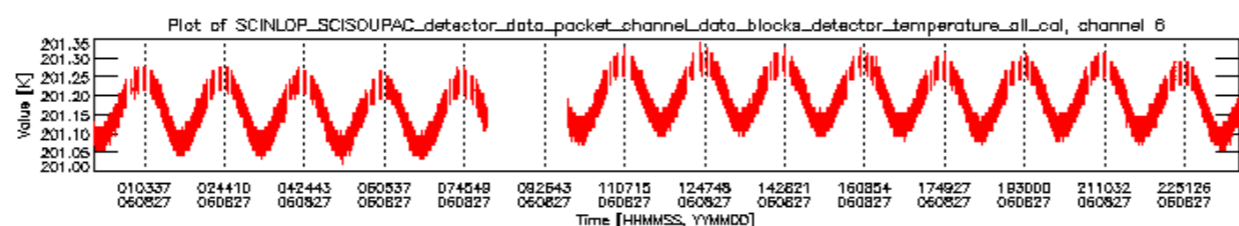
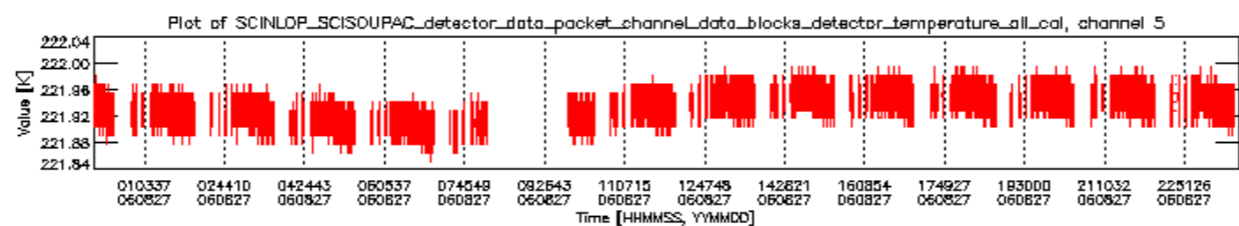
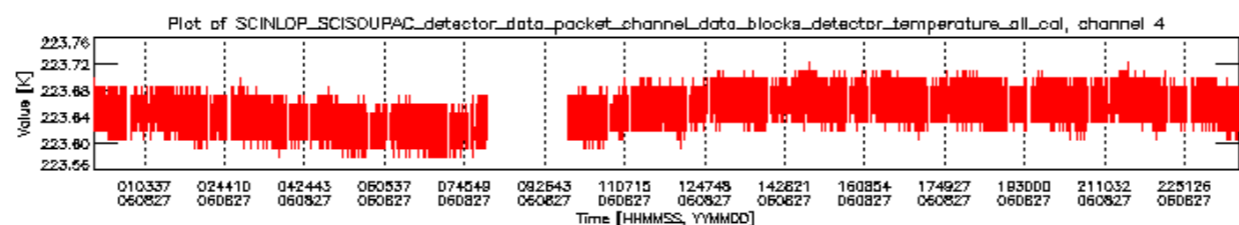
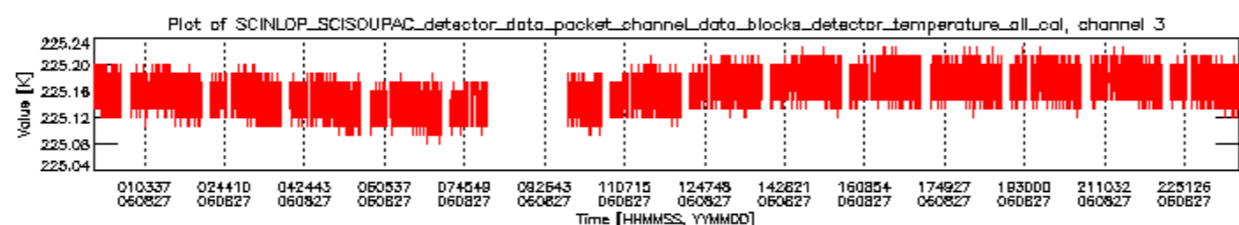
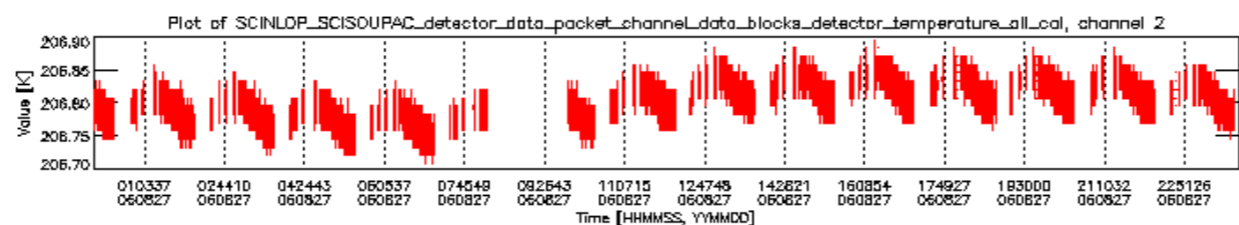
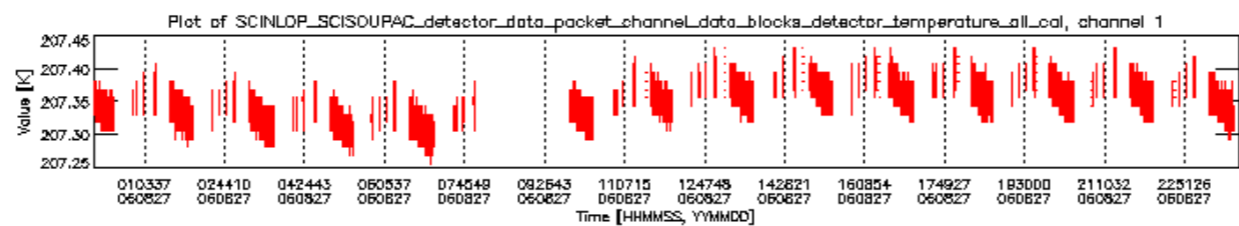




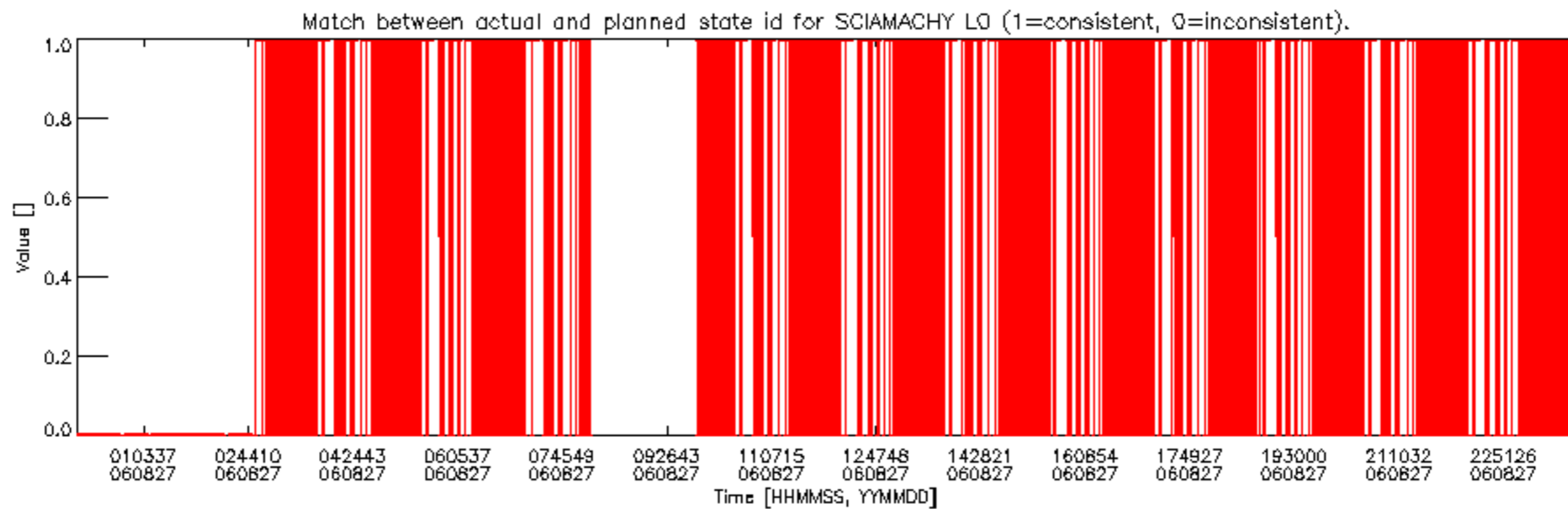
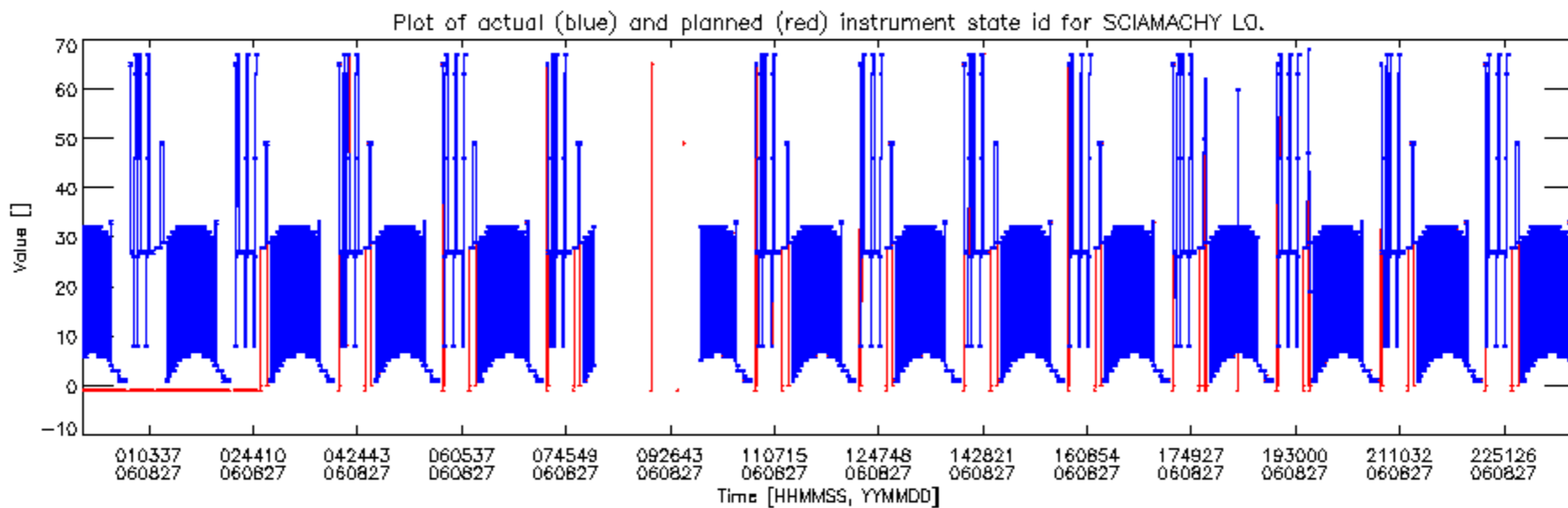












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 27AUG2006.  
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