

## 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	10AUG2008 05:11:15
Data source version	KSPT_L0/4303-N
Processing scope for products	06AUG2008 00:00:00 to 07AUG2008 00:00:00
Start time of first product within scope	05AUG2008 22:54:47
Stop time of last product within scope	07AUG2008 00:07:19
Total number of level 0 products	16
Number of level 0 products with errors	1

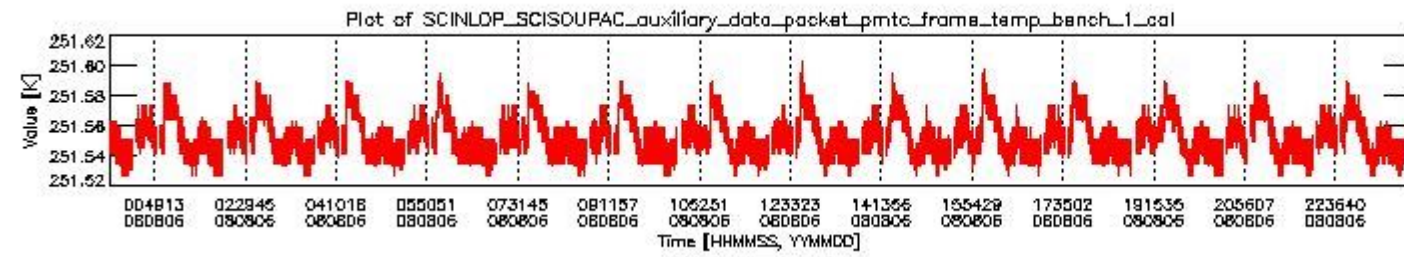
### 0.1.2 Summary per product

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

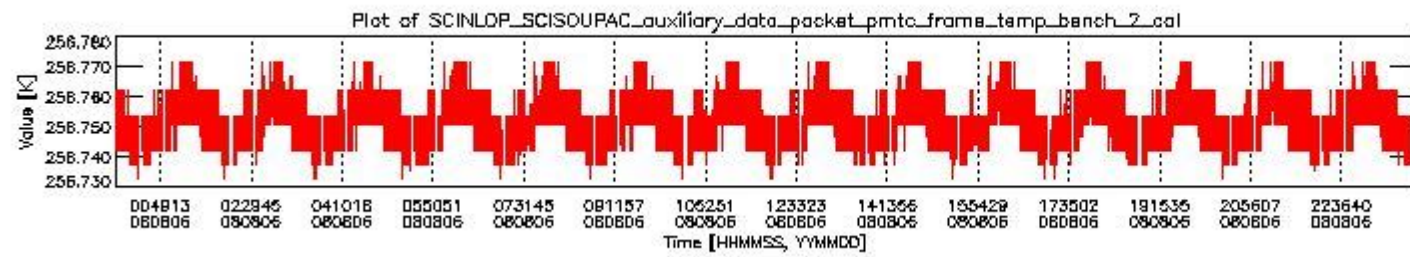
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080805_225447_000061602071_00015_33636_7254.N1	05AUG2008 22:54:47	06AUG2008 00:37:27	0	0	0	0	0
1	SCI_NL__OPNPDE20080806_003654_000058132071_00016_33637_7255.N1	06AUG2008 00:36:54	06AUG2008 02:13:47	0	0	0	0	0
2	SCI_NL__OPNPDE20080806_021224_000046492071_00017_33638_7256.N1	06AUG2008 02:12:24	06AUG2008 03:29:53	0	0	0	0	0
3	SCI_NL__OPNPDE20080806_032857_000061482071_00018_33639_7257.N1	06AUG2008 03:28:57	06AUG2008 05:11:25	0	0	0	0	0
4	SCI_NL__OPNPDE20080806_051029_000060362071_00019_33640_7258.N1	06AUG2008 05:10:29	06AUG2008 06:51:06	0	0	0	0	0
5	SCI_NL__OPNPDK20080806_065106_000041012071_00020_33641_8963.N1	06AUG2008 06:51:06	06AUG2008 07:59:27	1	1	0	0	0
6	SCI_NL__OPNPDK20080806_075927_000061052071_00021_33642_8964.N1	06AUG2008 07:59:27	06AUG2008 09:41:12	0	0	0	0	0
7	SCI_NL__OPNPDK20080806_094112_000059682071_00022_33643_8965.N1	06AUG2008 09:41:12	06AUG2008 11:20:39	0	0	0	0	0
8	SCI_NL__OPNPDK20080806_112039_000059802071_00023_33644_8966.N1	06AUG2008 11:20:39	06AUG2008 13:00:20	0	0	0	0	0
9	SCI_NL__OPNPDK20080806_125924_000059682071_00024_33645_8967.N1	06AUG2008 12:59:24	06AUG2008 14:38:52	0	0	0	0	0
10	SCI_NL__OPNPDK20080806_143743_000059252071_00025_33646_8968.N1	06AUG2008 14:37:43	06AUG2008 16:16:28	0	0	0	0	0
11	SCI_NL__OPNPDK20080806_161519_000057682071_00026_33647_8969.N1	06AUG2008 16:15:19	06AUG2008 17:51:27	0	0	0	0	0
12	SCI_NL__OPNPDK20080806_175031_000060052071_00027_33648_8970.N1	06AUG2008 17:50:31	06AUG2008 19:30:37	0	0	0	0	0
13	SCI_NL__OPNPDK20080806_193037_000060742071_00028_33649_8971.N1	06AUG2008 19:30:37	06AUG2008 21:11:50	0	0	0	0	0
14	SCI_NL__OPNPDE20080806_210959_000044852071_00029_33650_7259.N1	06AUG2008 21:09:59	06AUG2008 22:24:43	0	0	0	0	0
15	SCI_NL__OPNPDE20080806_222315_000062442071_00029_33650_7260.N1	06AUG2008 22:23:15	07AUG2008 00:07:19	0	0	0	0	0

## 0.2 Product Quality Indicators

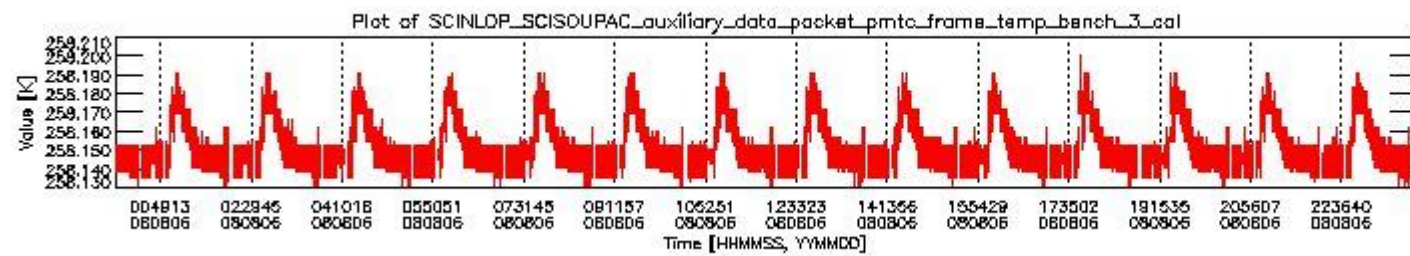
This section shows information about product quality, currently temperatures.



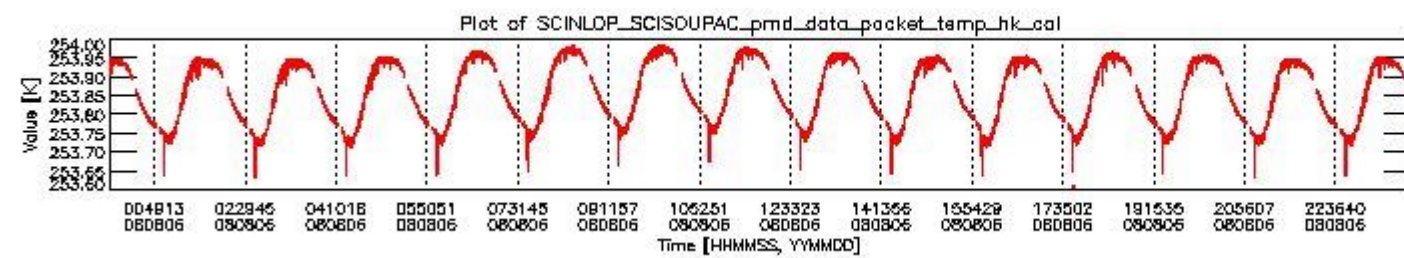
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_0.PNG



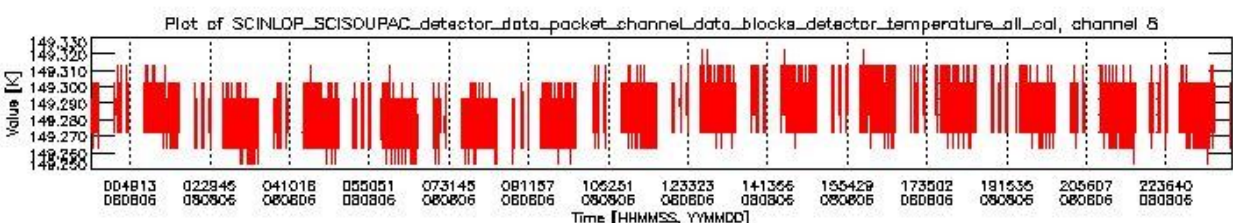
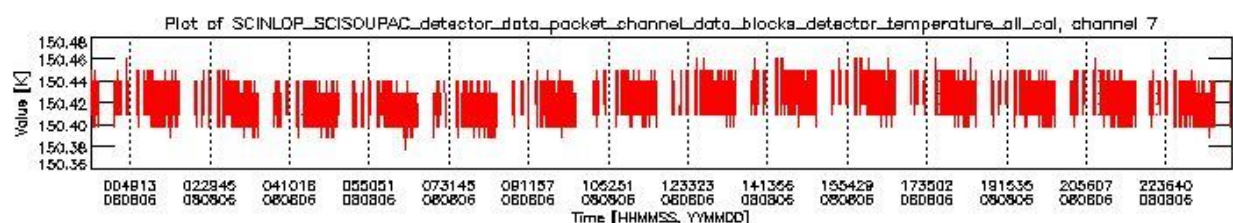
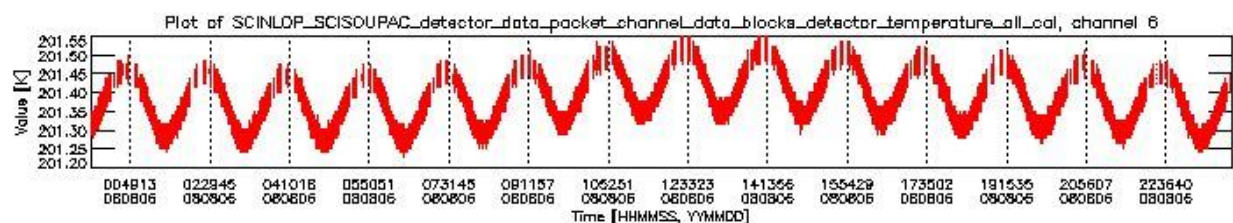
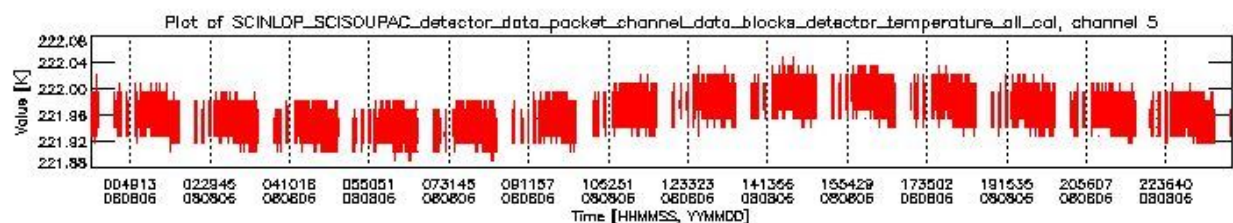
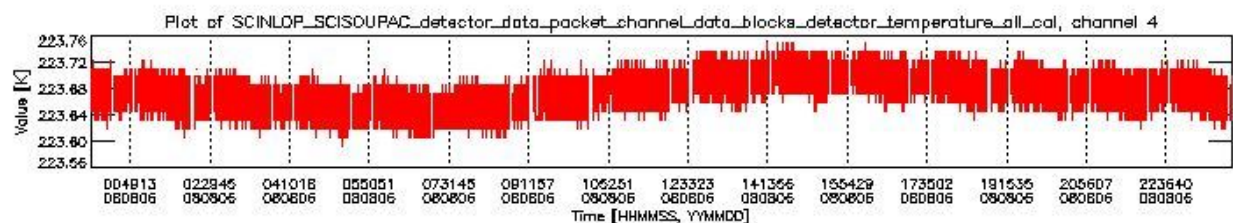
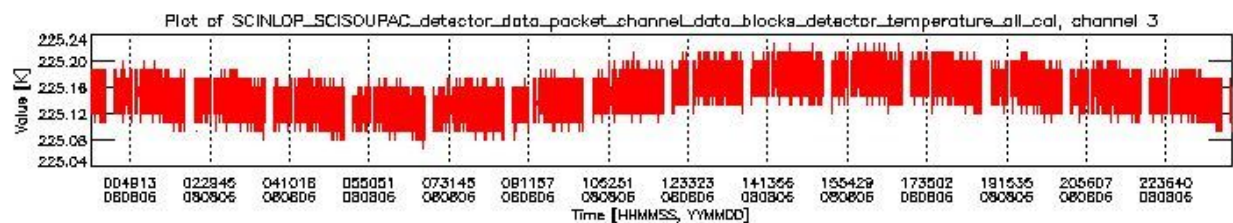
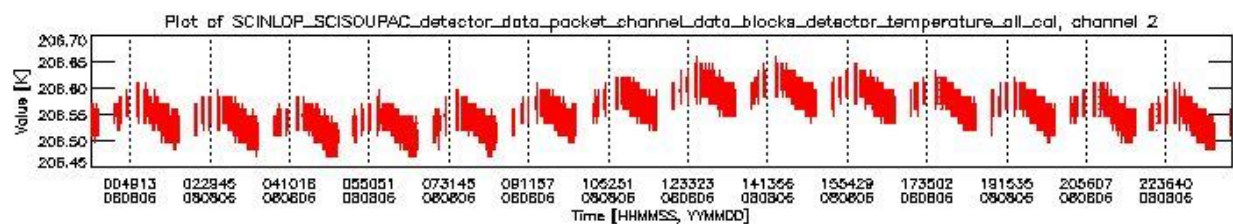
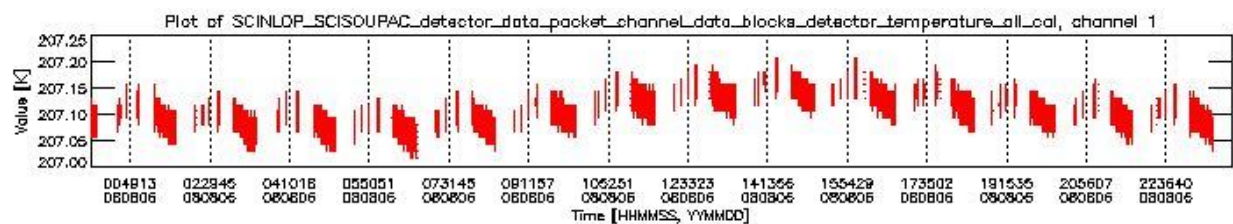
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_3.PNG

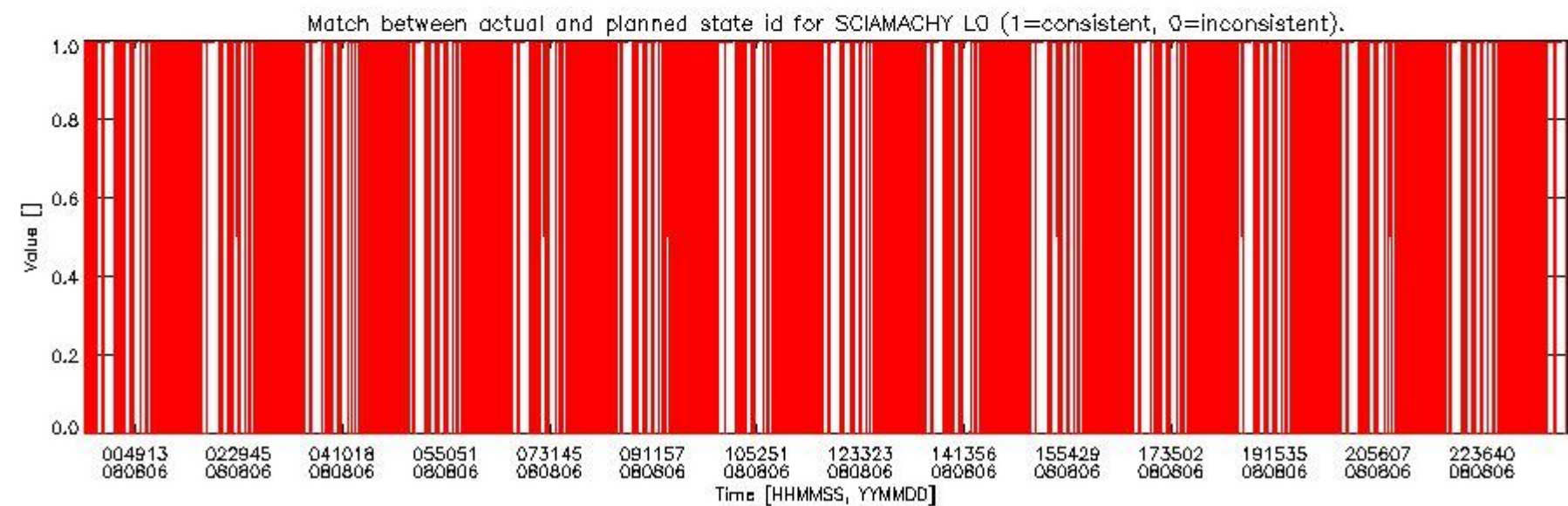
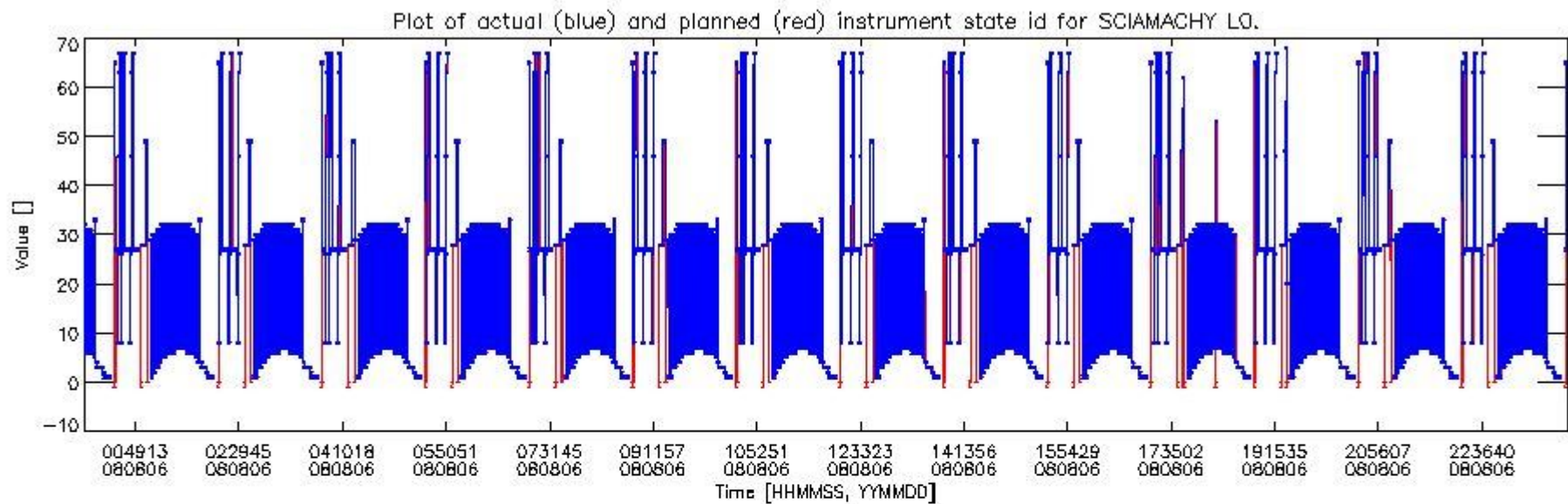


### 0.3 State monitoring

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: **33728**

#	Actual time	Actual value	Planned time	Planned value
0	06AUG2008 00:00:23.408845	6	06AUG2008 00:00:23.408845	32
1	06AUG2008 00:00:23.783858	6	06AUG2008 00:00:23.783858	32
2	06AUG2008 00:00:24.033867	6	06AUG2008 00:00:24.033867	32
3	06AUG2008 00:00:24.283835	6	06AUG2008 00:00:24.283835	32
4	06AUG2008 00:00:24.533844	6	06AUG2008 00:00:24.533844	32
5	06AUG2008 00:00:24.783853	6	06AUG2008 00:00:24.783853	32
6	06AUG2008 00:00:25.033861	6	06AUG2008 00:00:25.033861	32
7	06AUG2008 00:00:25.283870	6	06AUG2008 00:00:25.283870	32
8	06AUG2008 00:00:25.533839	6	06AUG2008 00:00:25.533839	32
9	06AUG2008 00:00:25.783847	6	06AUG2008 00:00:25.783847	32
10	06AUG2008 00:00:26.033856	6	06AUG2008 00:00:26.033856	32
11	06AUG2008 00:00:26.283865	6	06AUG2008 00:00:26.283865	32
12	06AUG2008 00:00:26.533833	6	06AUG2008 00:00:26.533833	32
13	06AUG2008 00:00:26.783842	6	06AUG2008 00:00:26.783842	32
14	06AUG2008 00:00:27.033851	6	06AUG2008 00:00:27.033851	32
15	06AUG2008 00:00:27.283859	6	06AUG2008 00:00:27.283859	32
16	06AUG2008 00:00:27.533868	6	06AUG2008 00:00:27.533868	32
17	06AUG2008 00:00:27.783836	6	06AUG2008 00:00:27.783836	32
18	06AUG2008 00:00:28.033845	6	06AUG2008 00:00:28.033845	32
19	06AUG2008 00:00:28.283854	6	06AUG2008 00:00:28.283854	32
...	...	...	...	...

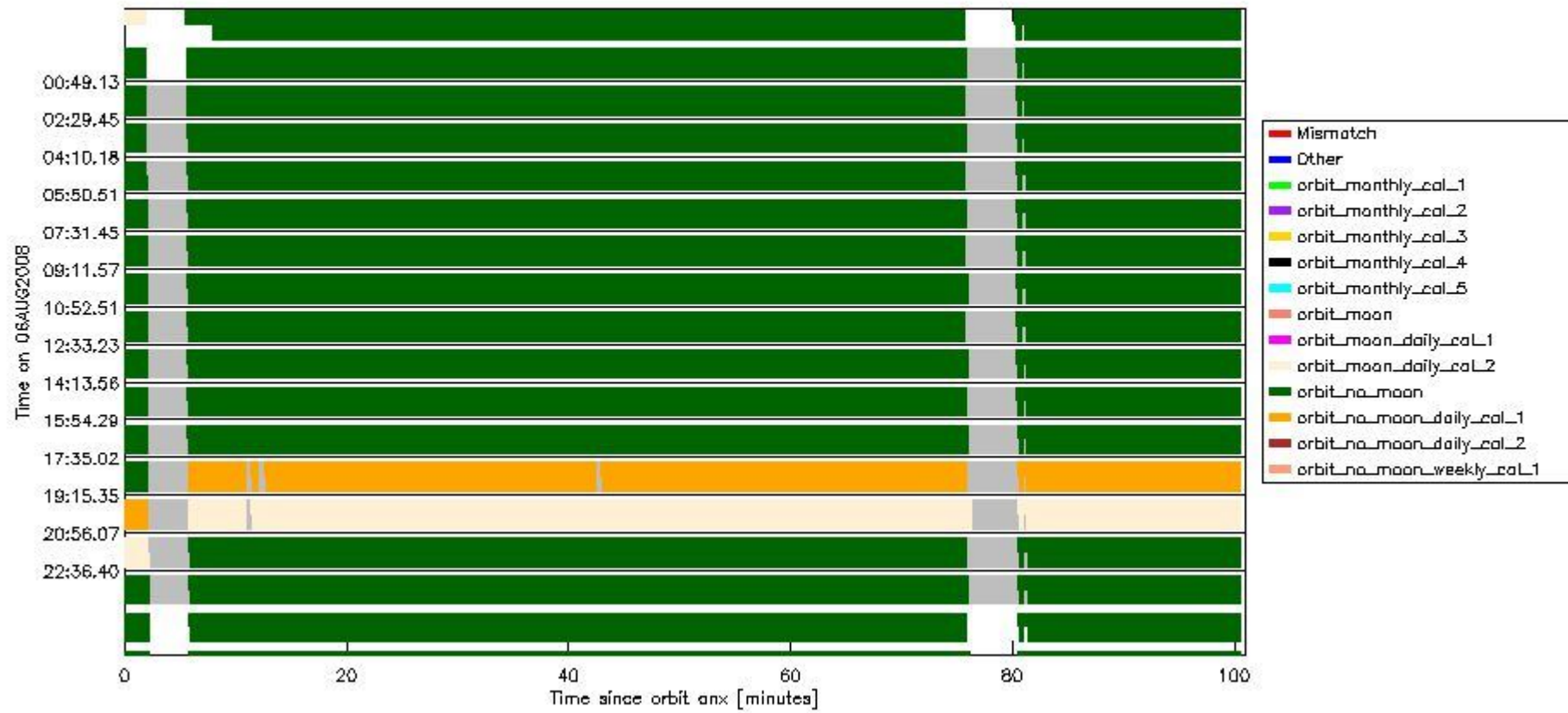


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_5.PNG

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 06AUG2008.  
 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\_20080806\_6.PNG

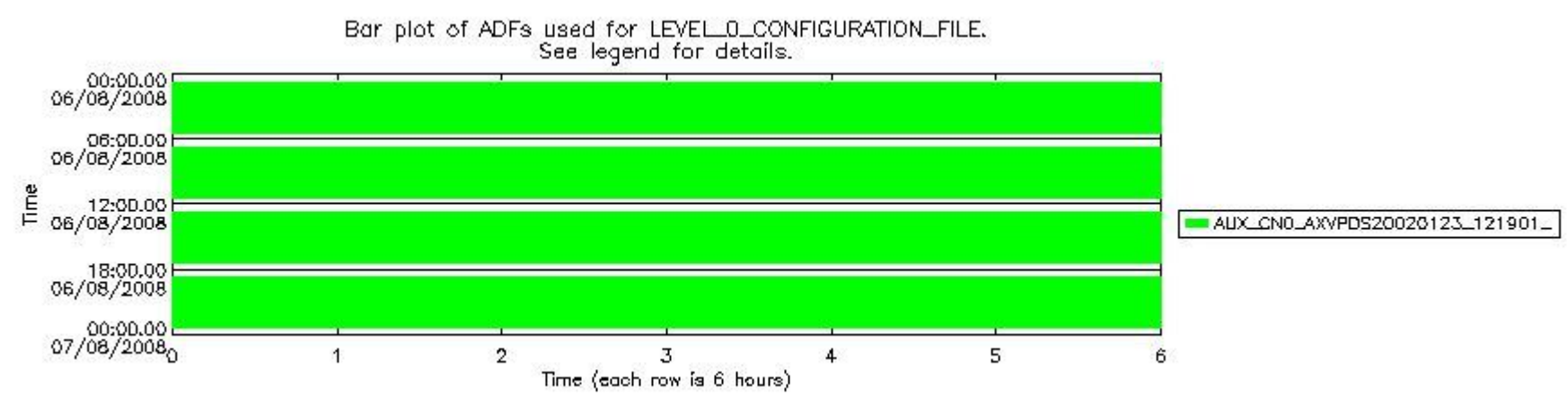
## 0.4 ADF monitoring

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

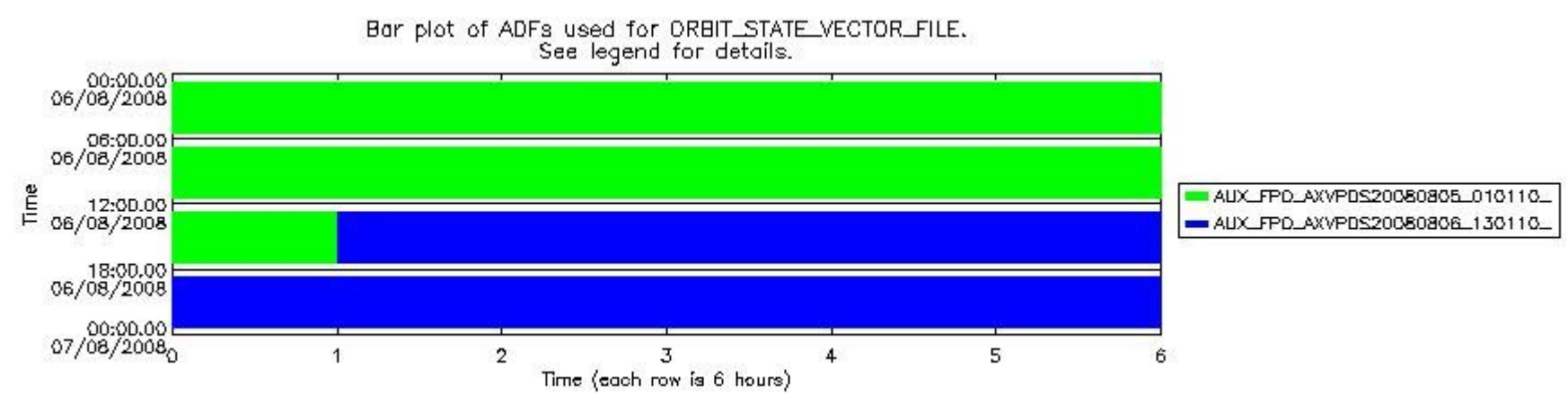
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

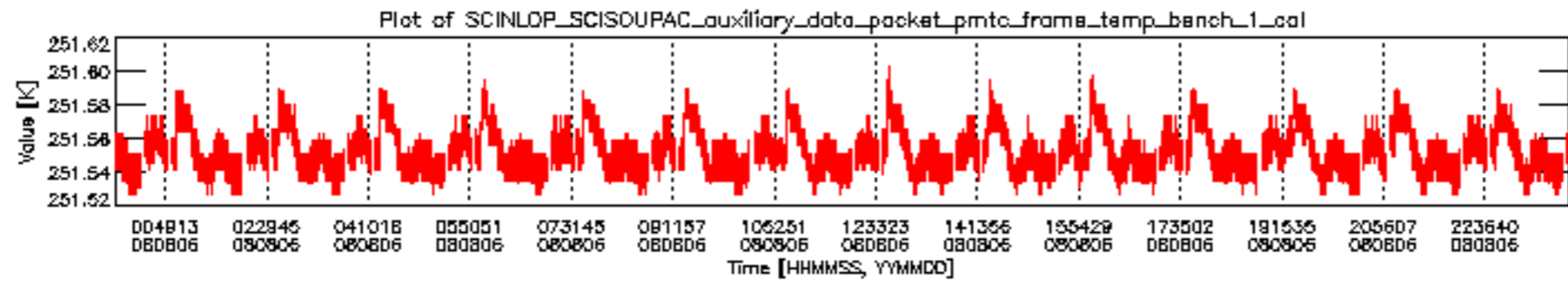
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20080805_010110_20080804_183820_20080814_200433
2	AUX_FPO_AXVPDS20080806_130110_20080805_194719_20080815_211331



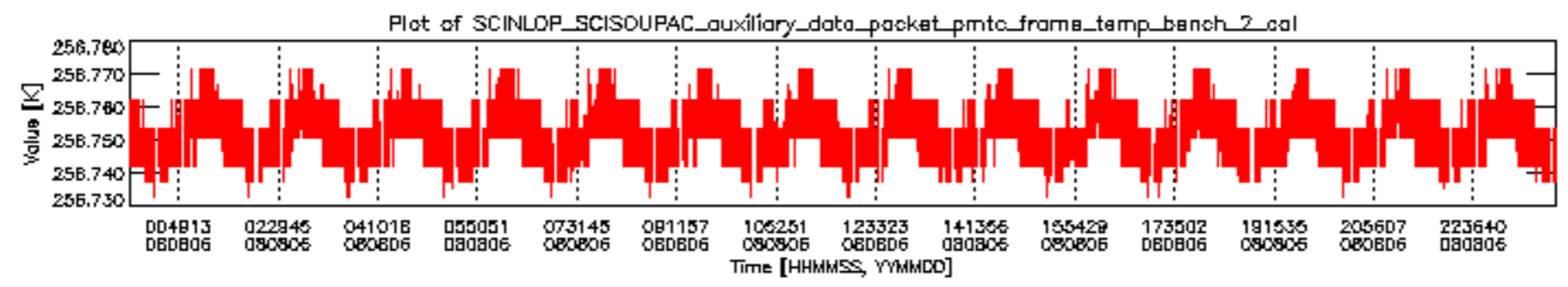
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_7.PNG

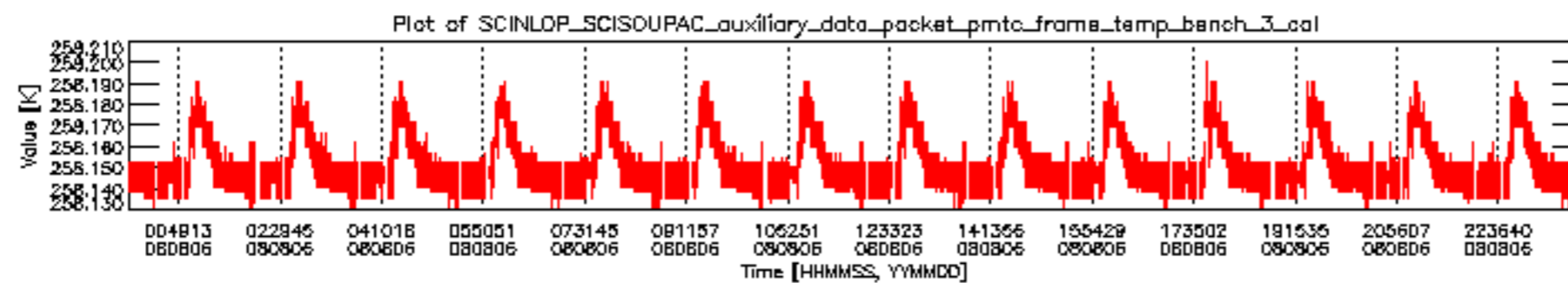


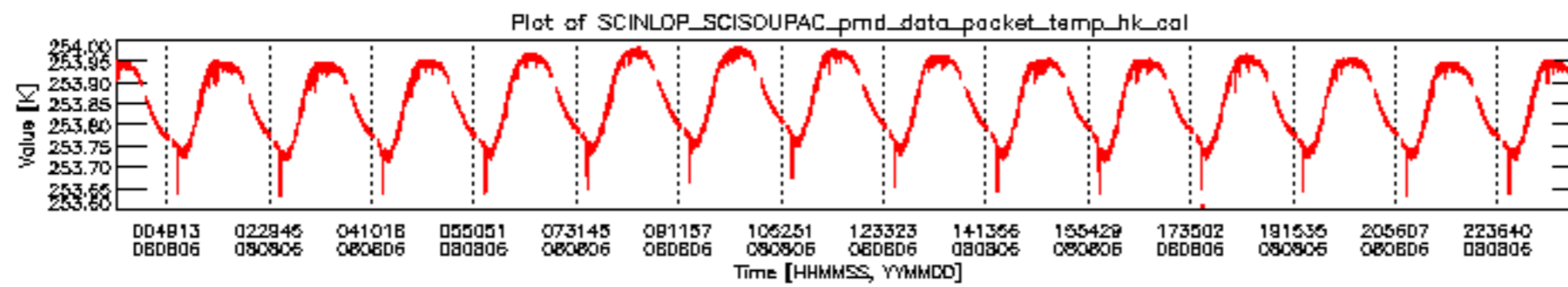
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080806\_8.PNG

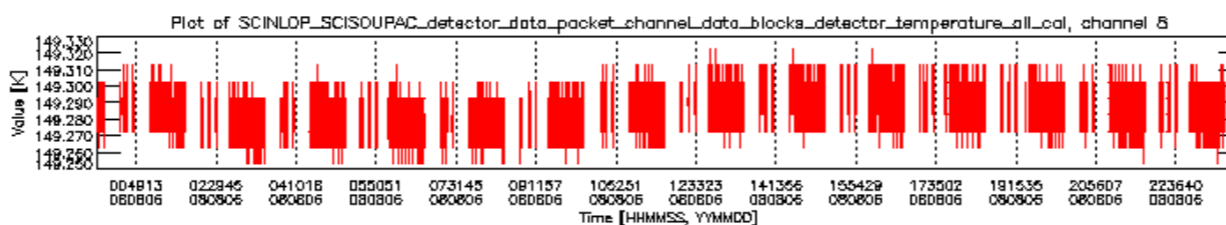
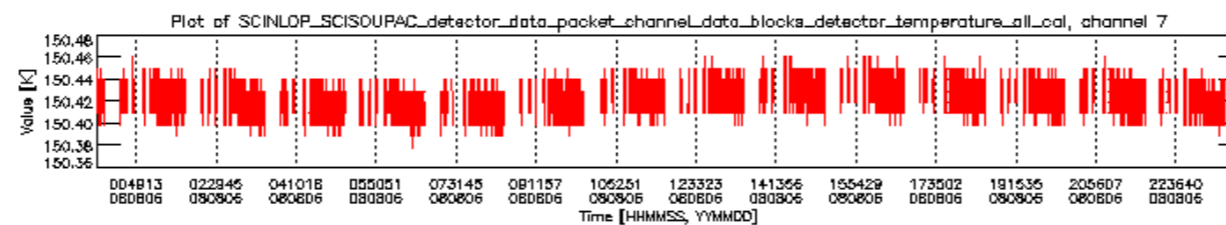
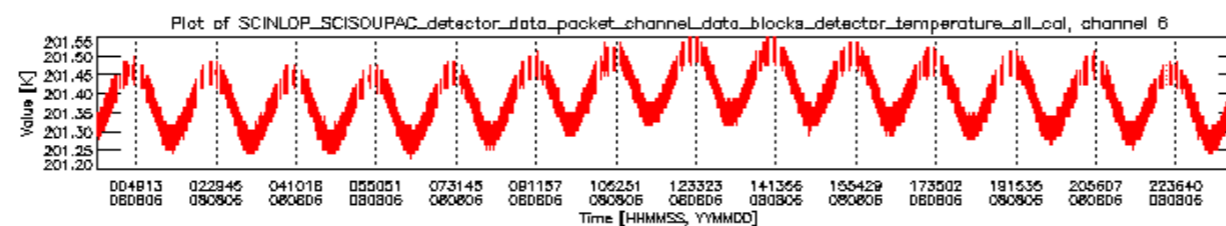
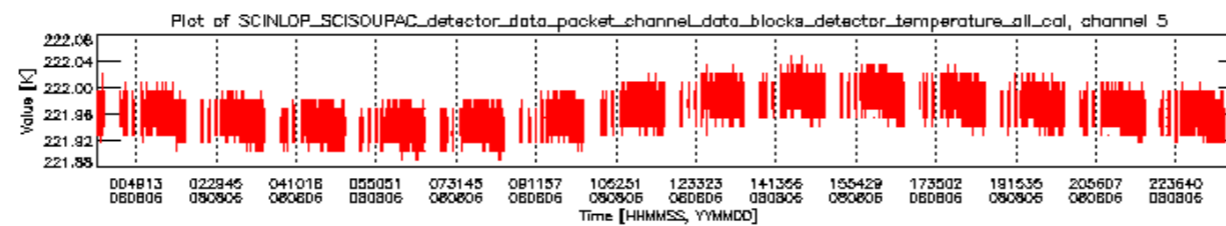
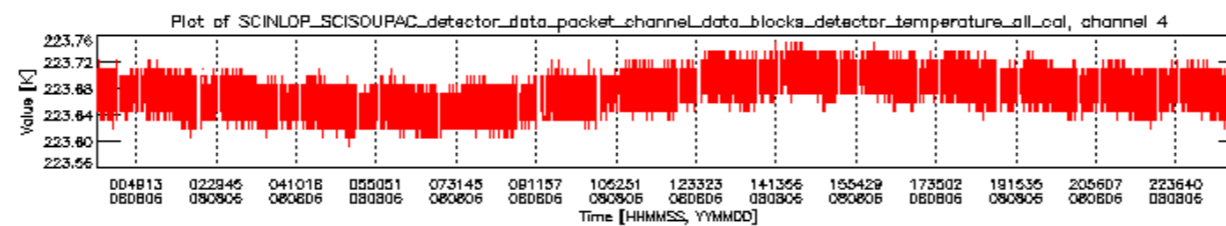
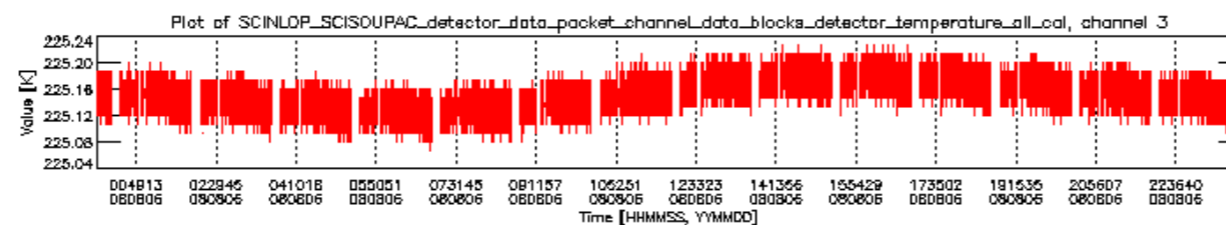
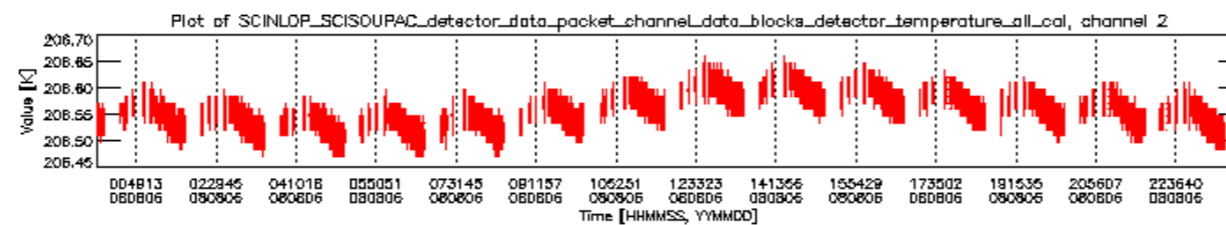
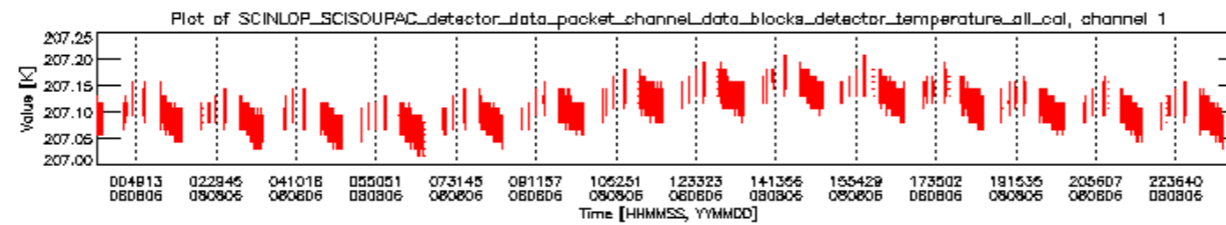


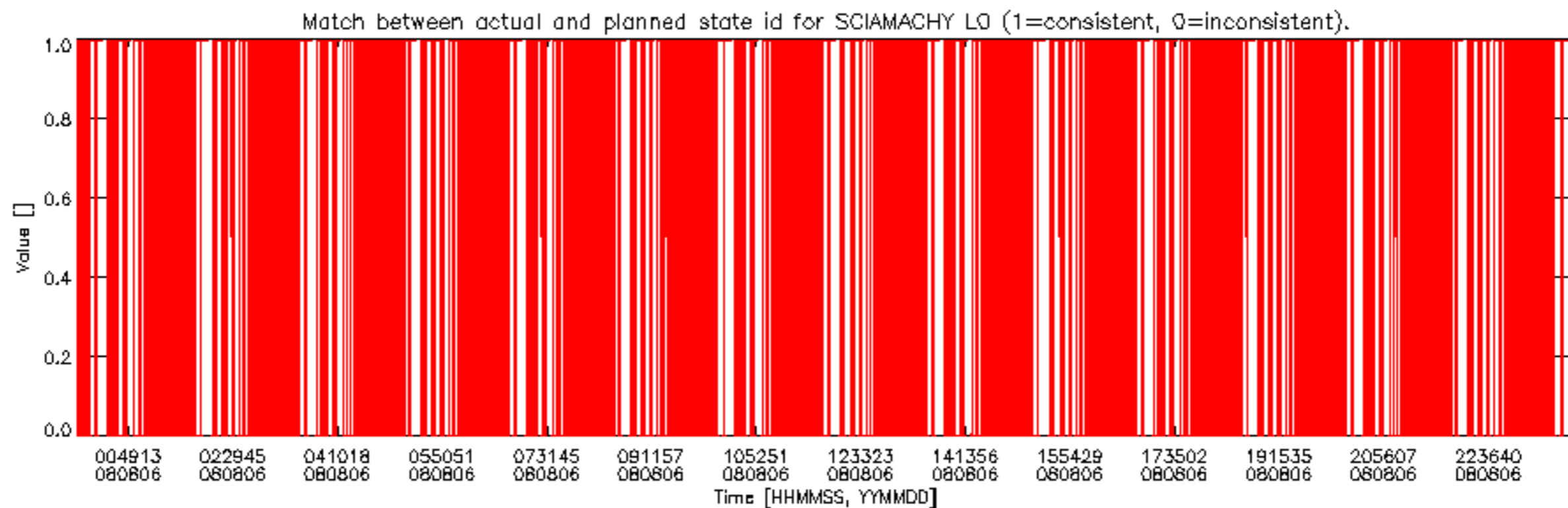
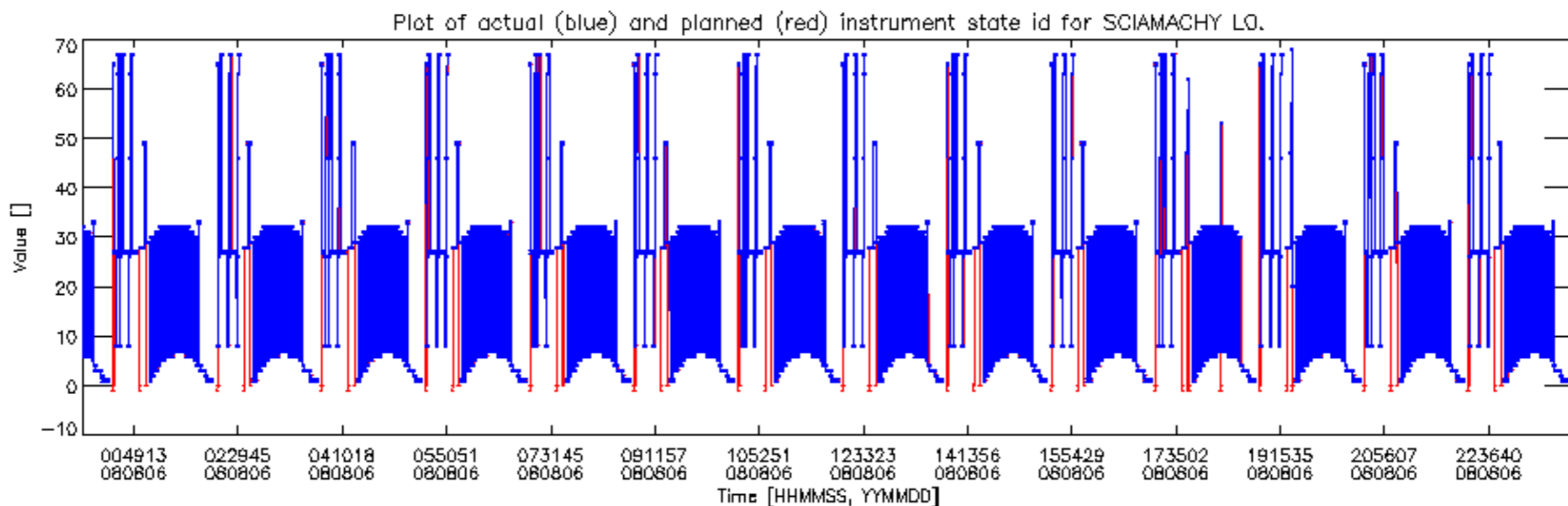












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 06AUG2008.  
 A medium gray color indicates the time span of available SCI\_NL\_1P products for this day.  
 The remaining colours indicate planned activities and/or special measurements.  
 Planned activities are shown on the top half of each row, special measurements on the bottom half.

