

## 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	07AUG2008 04:28:54
Data source version	KSPT_L0/4303-N
Processing scope for products	03AUG2008 00:00:00 to 04AUG2008 00:00:00
Start time of first product within scope	02AUG2008 22:50:17
Stop time of last product within scope	04AUG2008 01:39:10
Total number of level 0 products	16
Number of level 0 products with errors	1

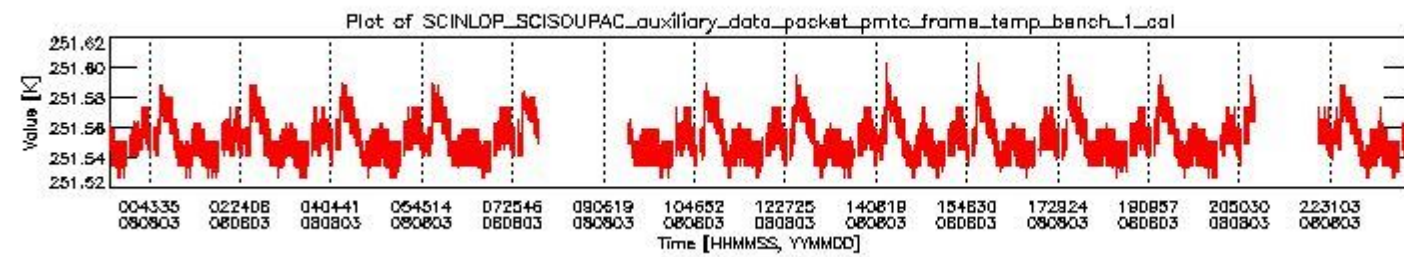
### 0.1.2 Summary per product

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

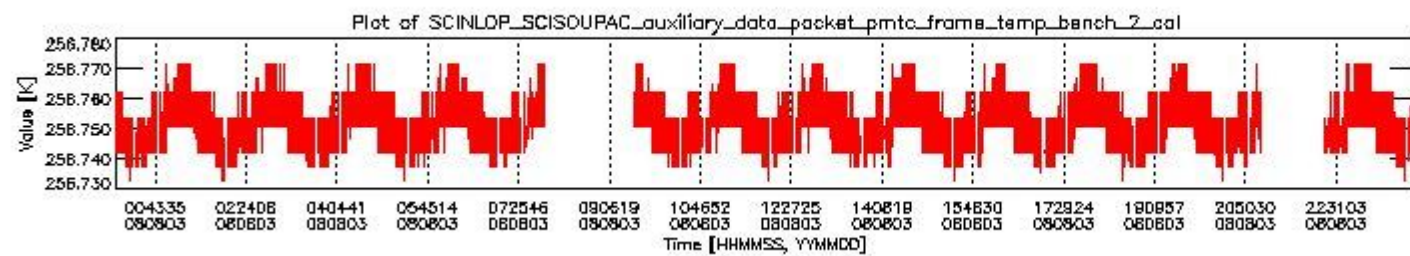
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080802_225017_000060782070_00473_33593_7235.N1	02AUG2008 22:50:17	03AUG2008 00:31:35	0	0	0	0	0
1	SCI_NL__OPNPDE20080803_003051_000059482070_00474_33594_7236.N1	03AUG2008 00:30:51	03AUG2008 02:09:59	0	0	0	0	0
2	SCI_NL__OPNPDE20080803_020835_000047682070_00475_33595_7237.N1	03AUG2008 02:08:35	03AUG2008 03:28:03	0	0	0	0	0
3	SCI_NL__OPNPDE20080803_032655_000059252070_00476_33596_7238.N1	03AUG2008 03:26:55	03AUG2008 05:05:39	0	0	0	0	0
4	SCI_NL__OPNPDE20080803_050431_000060922070_00477_33597_7239.N1	03AUG2008 05:04:31	03AUG2008 06:46:03	0	0	0	0	0
5	SCI_NL__OPNPDK20080803_064507_000041142070_00478_33598_8935.N1	03AUG2008 06:45:07	03AUG2008 07:53:41	0	0	0	0	0
6	SCI_NL__OPNPDK20080803_075233_000061612070_00479_33599_8936.N1	03AUG2008 07:52:33	03AUG2008 09:35:13	1	1	0	0	0
7	SCI_NL__OPNPDK20080803_093405_000060492070_00480_33600_8937.N1	03AUG2008 09:34:05	03AUG2008 11:14:54	0	0	0	0	0
8	SCI_NL__OPNPDK20080803_111345_000060362070_00481_33601_8938.N1	03AUG2008 11:13:45	03AUG2008 12:54:21	0	0	0	0	0
9	SCI_NL__OPNPDK20080803_125313_000059802070_00482_33602_8939.N1	03AUG2008 12:53:13	03AUG2008 14:32:53	0	0	0	0	0
10	SCI_NL__OPNPDK20080803_143253_000058432070_00483_33603_8940.N1	03AUG2008 14:32:53	03AUG2008 16:10:16	0	0	0	0	0
11	SCI_NL__OPNPDK20080803_161016_000058182070_00484_33604_8941.N1	03AUG2008 16:10:16	03AUG2008 17:47:14	0	0	0	0	0
12	SCI_NL__OPNPDK20080803_174510_000061482070_00485_33605_8942.N1	03AUG2008 17:45:10	03AUG2008 19:27:38	0	0	0	0	0
13	SCI_NL__OPNPDK20080803_192642_000060872070_00486_33606_8943.N1	03AUG2008 19:26:42	03AUG2008 21:08:09	0	0	0	0	0
14	SCI_NL__OPNPDE20080803_221714_000061682070_00487_33607_7240.N1	03AUG2008 22:17:14	04AUG2008 00:00:03	0	0	0	0	0
15	SCI_NL__OPNPDE20080803_235919_000059922070_00488_33608_7241.N1	03AUG2008 23:59:19	04AUG2008 01:39:10	0	0	0	0	0

## 0.2 Product Quality Indicators

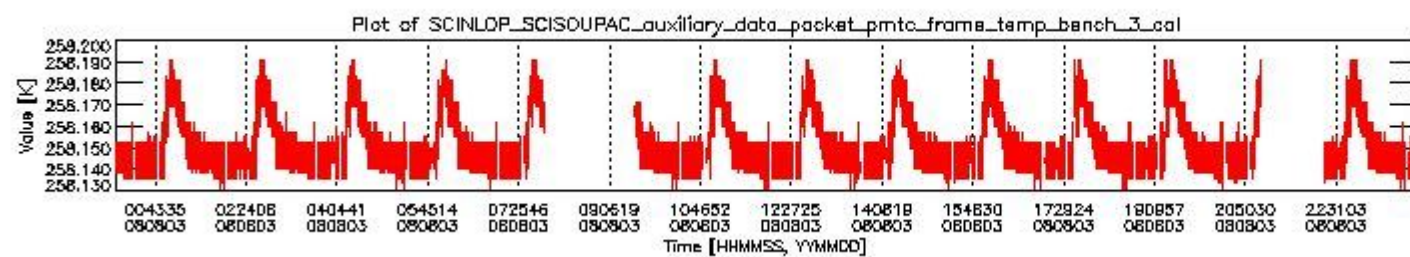
This section shows information about product quality, currently temperatures.



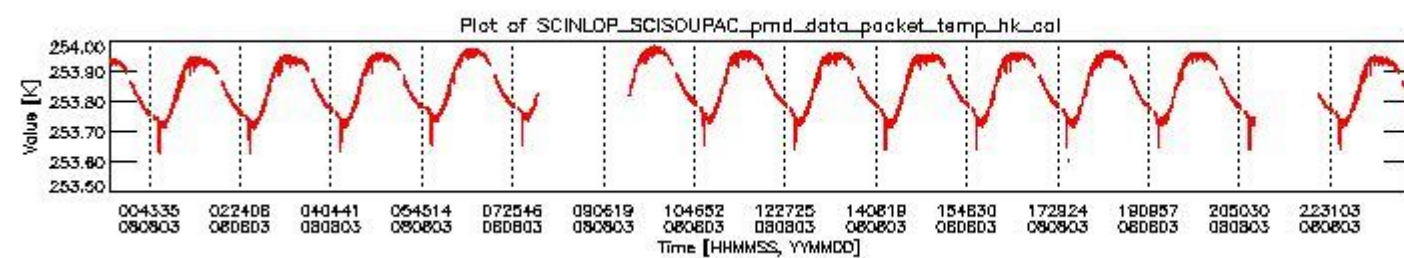
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_0.PNG



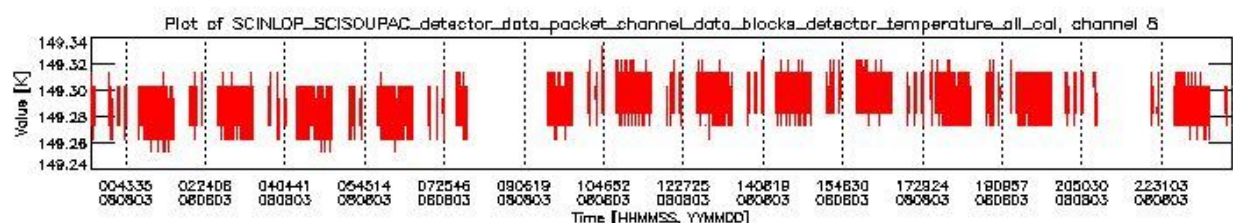
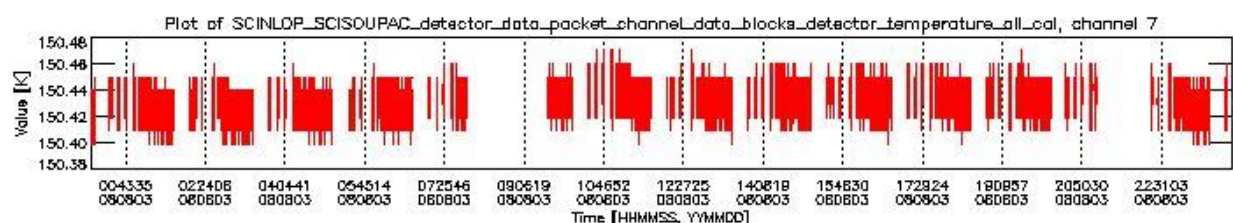
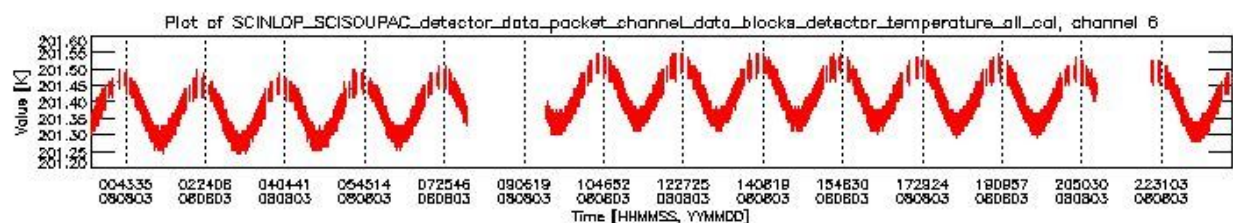
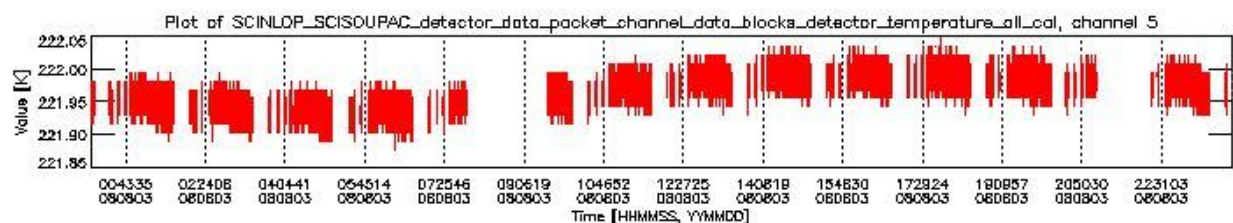
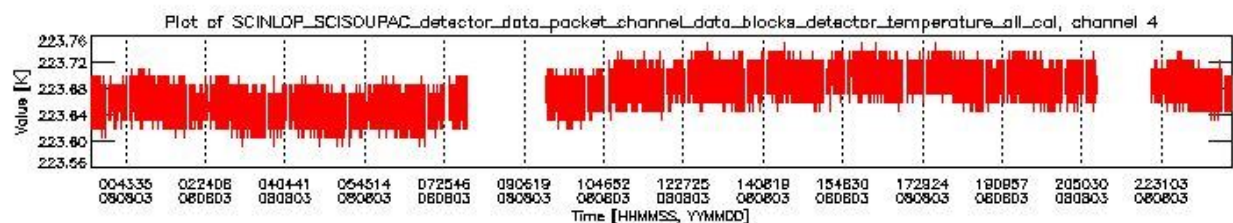
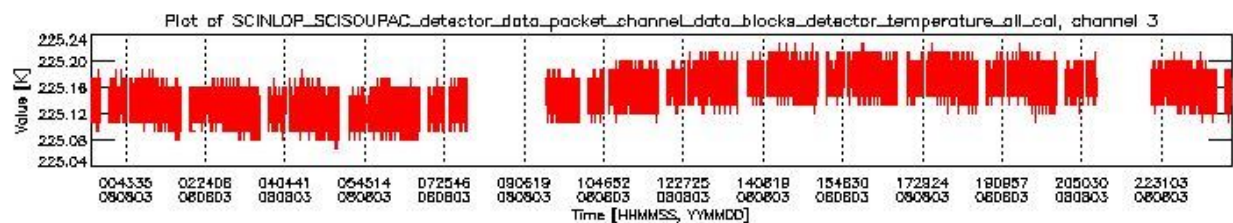
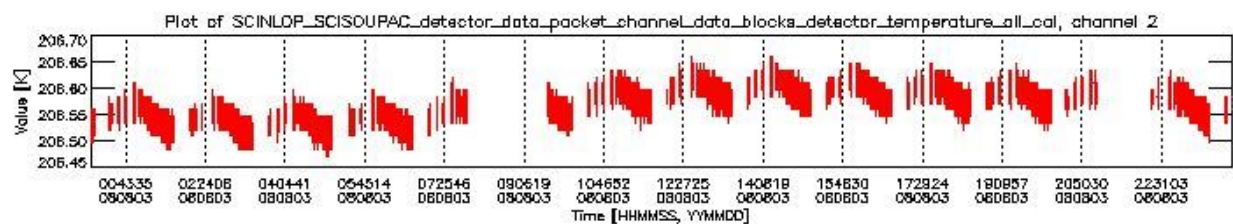
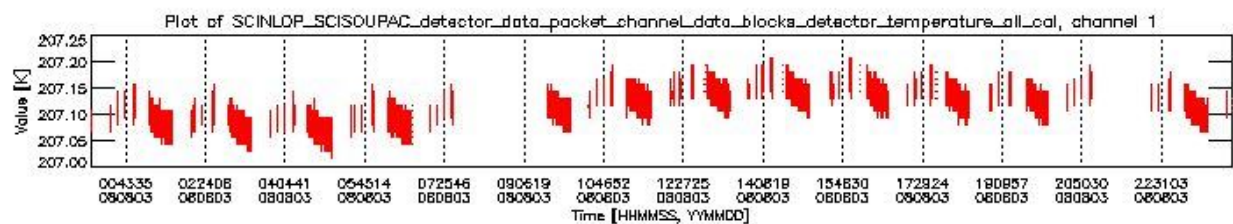
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_3.PNG

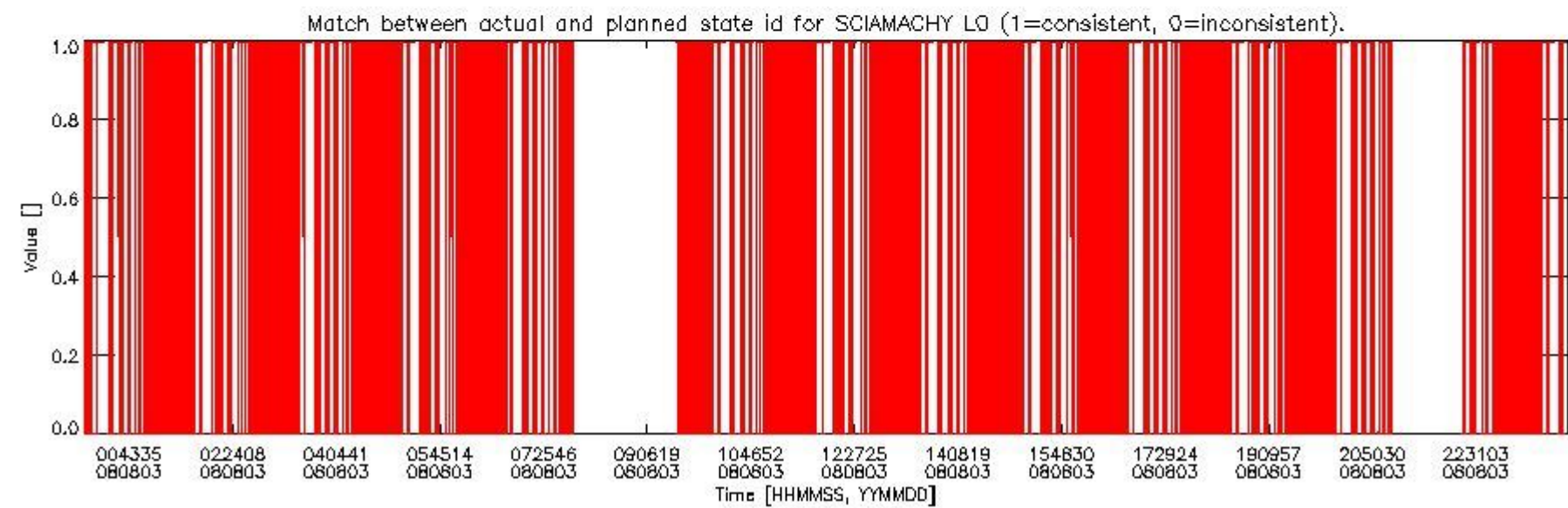
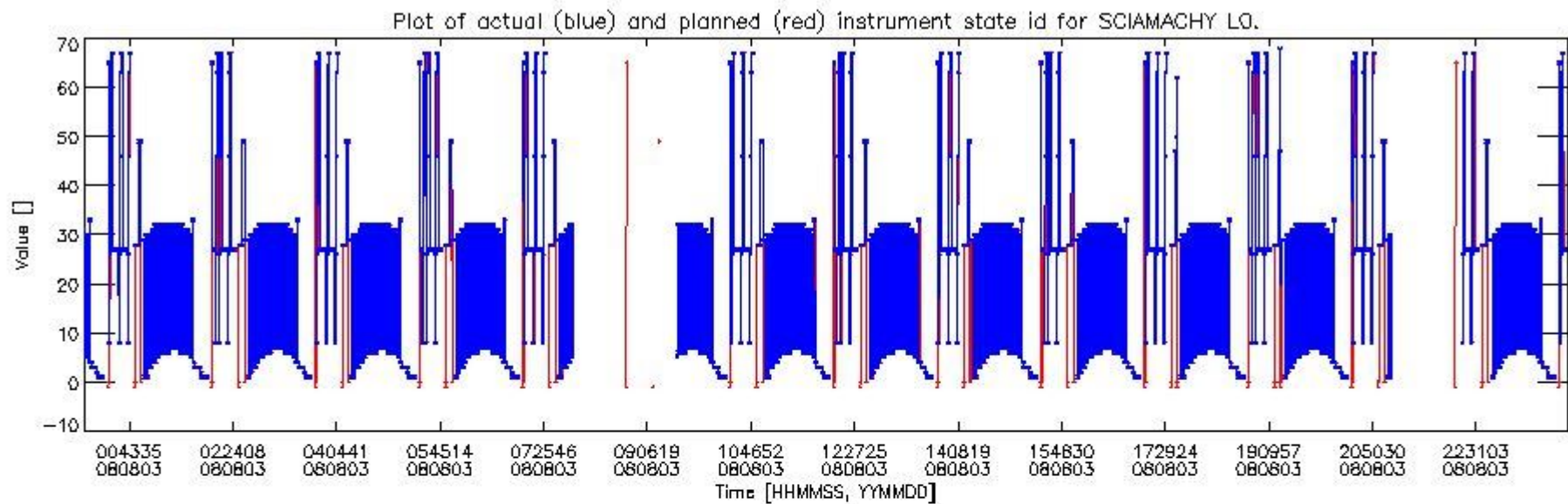


### 0.3 State monitoring

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: **29313**

#	Actual time	Actual value	Planned time	Planned value
0	03AUG2008 00:00:38.292490	30	03AUG2008 00:00:38.292490	6
1	03AUG2008 00:00:38.917471	30	03AUG2008 00:00:38.917471	6
2	03AUG2008 00:00:39.292485	30	03AUG2008 00:00:39.292485	6
3	03AUG2008 00:00:39.667498	30	03AUG2008 00:00:39.667498	6
4	03AUG2008 00:00:40.229997	30	03AUG2008 00:00:40.229997	6
5	03AUG2008 00:00:40.604970	30	03AUG2008 00:00:40.604970	6
6	03AUG2008 00:00:40.979983	30	03AUG2008 00:00:40.979983	6
7	03AUG2008 00:00:41.354996	30	03AUG2008 00:00:41.354996	6
8	03AUG2008 00:00:41.917495	30	03AUG2008 00:00:41.917495	6
9	03AUG2008 00:00:42.292468	30	03AUG2008 00:00:42.292468	6
10	03AUG2008 00:00:42.667481	30	03AUG2008 00:00:42.667481	6
11	03AUG2008 00:00:43.042494	30	03AUG2008 00:00:43.042494	6
12	03AUG2008 00:00:43.292463	30	03AUG2008 00:00:43.292463	6
13	03AUG2008 00:00:43.604994	30	03AUG2008 00:00:43.604994	6
14	03AUG2008 00:00:43.979967	30	03AUG2008 00:00:43.979967	6
15	03AUG2008 00:00:44.354980	30	03AUG2008 00:00:44.354980	6
16	03AUG2008 00:00:44.729993	30	03AUG2008 00:00:44.729993	6
17	03AUG2008 00:00:45.292492	30	03AUG2008 00:00:45.292492	6
18	03AUG2008 00:01:34.163561	5	03AUG2008 00:01:34.163561	30
19	03AUG2008 00:01:34.413570	5	03AUG2008 00:01:34.413570	30
	...	...	...	...

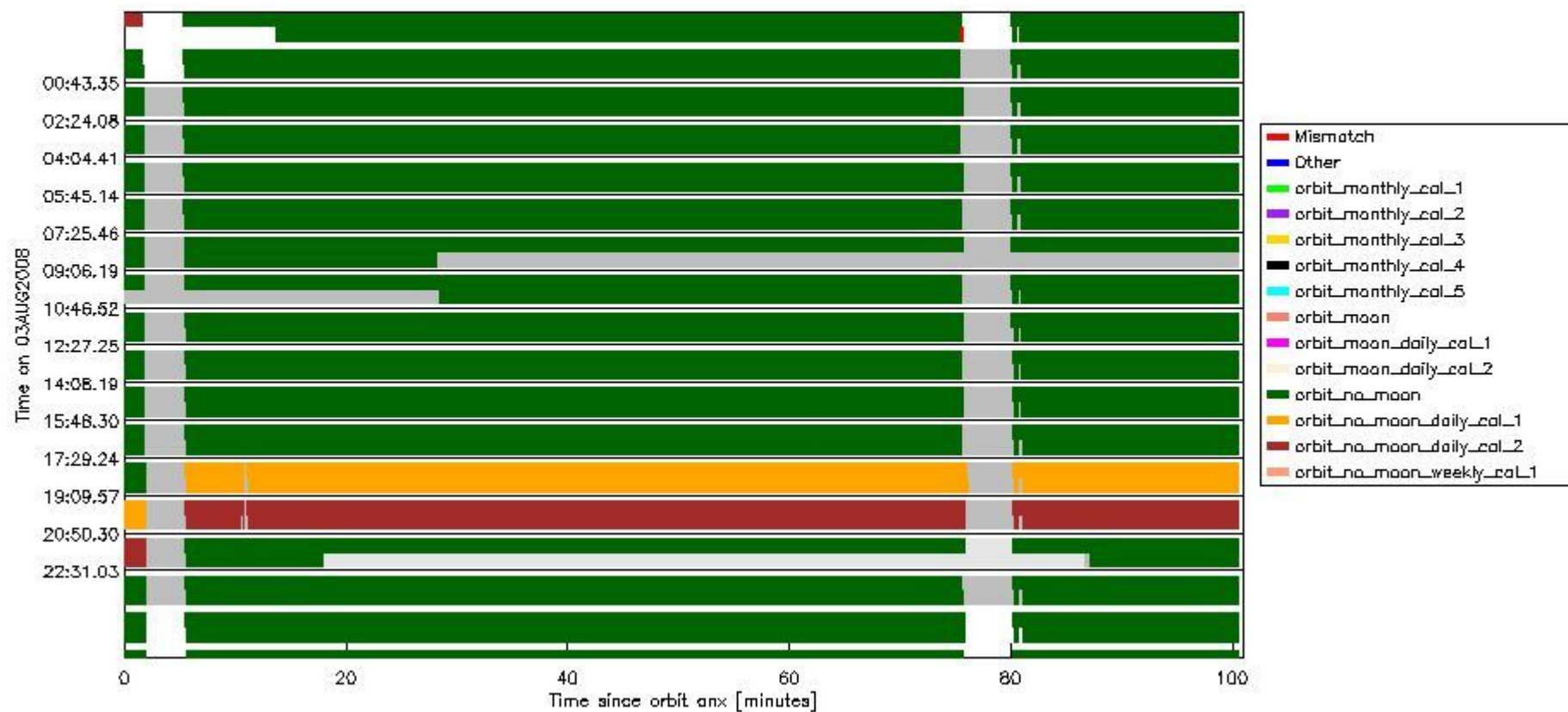


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_5.PNG

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 03AUG2008.  
 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\_20080803\_6.PNG

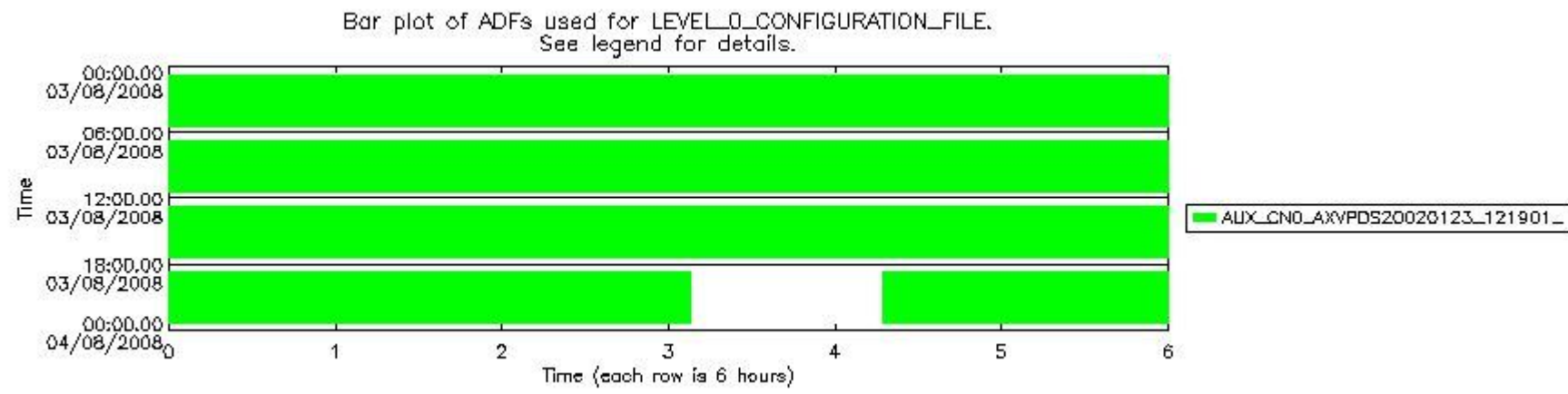
## 0.4 ADF monitoring

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

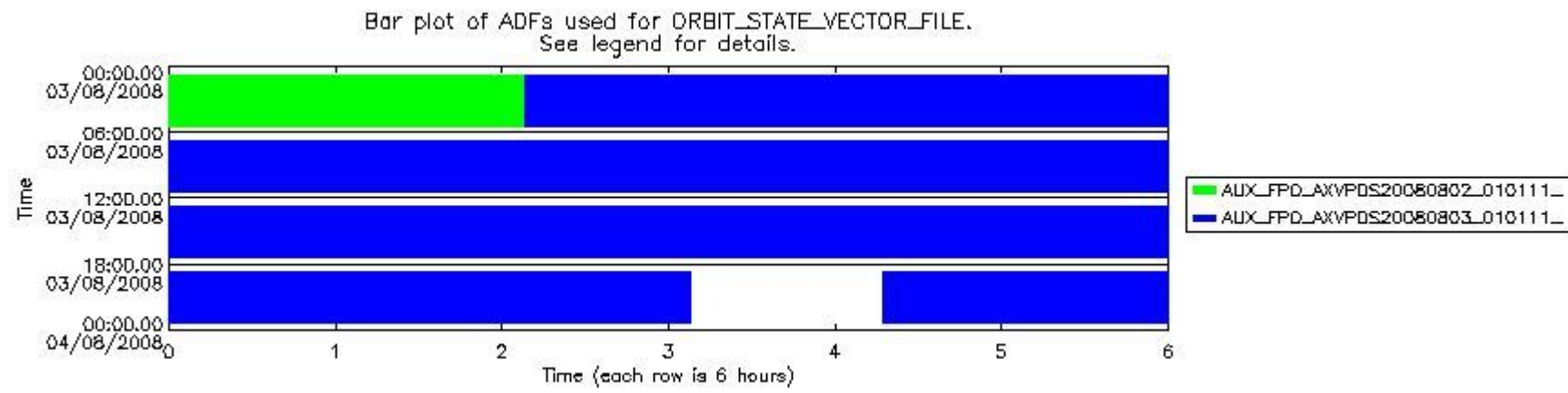
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

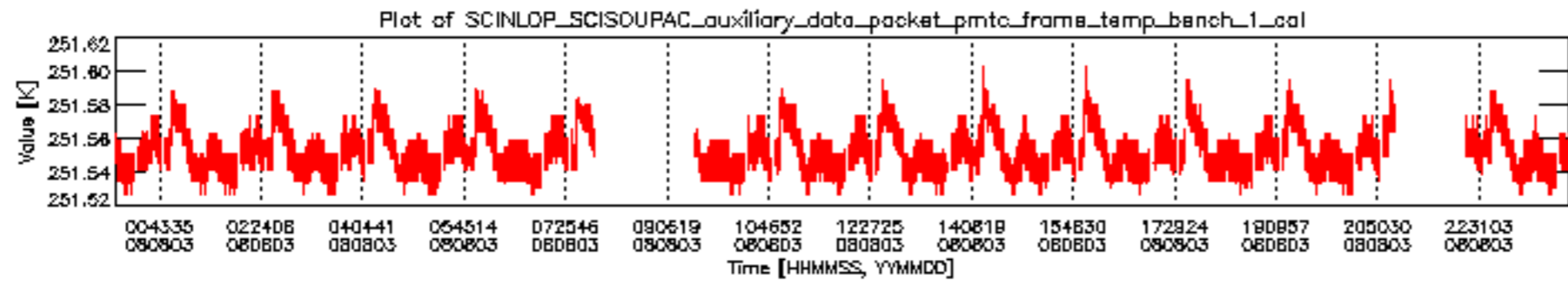
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080802_010111_20080801_183235_20080811_213924</b>
2	<b>AUX_FPO_AXVPDS20080803_010111_20080802_194134_20080812_210747</b>



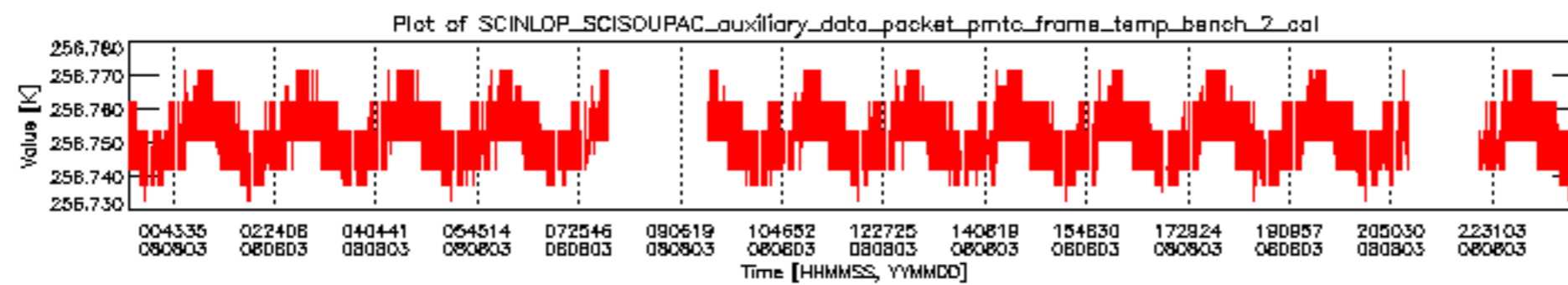
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_7.PNG

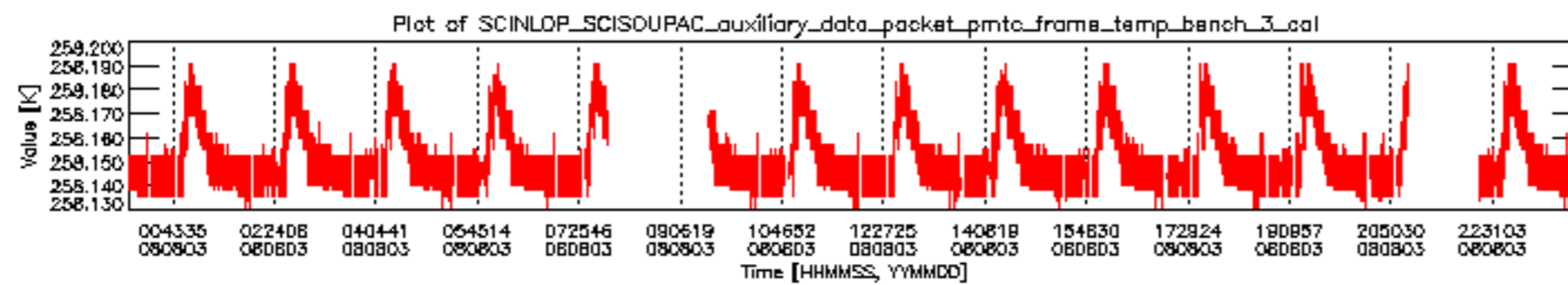


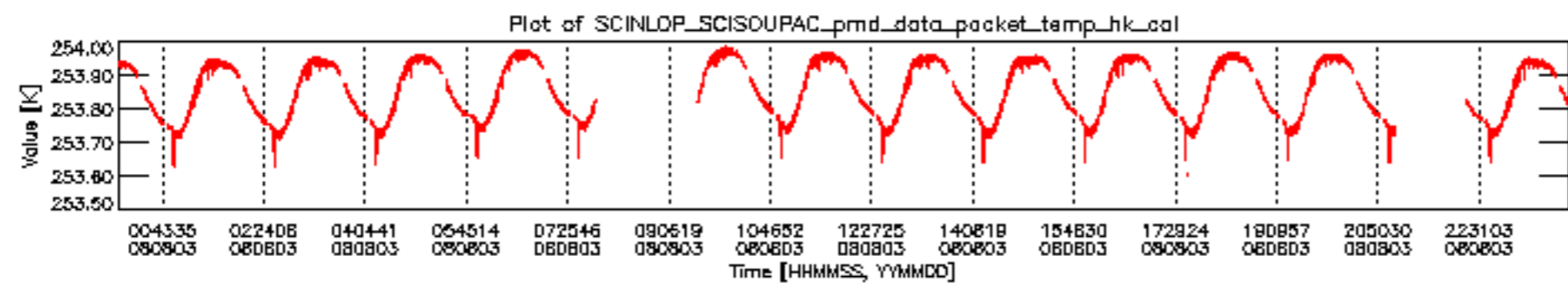
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080803\_8.PNG

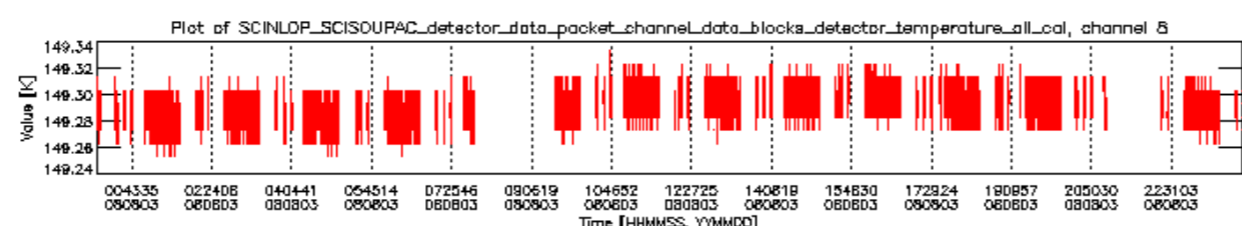
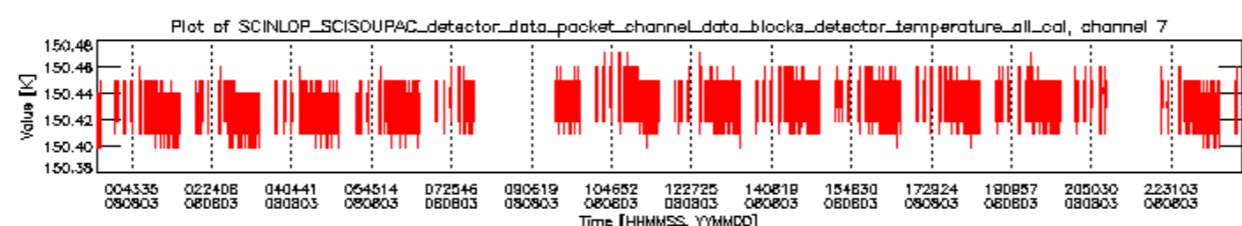
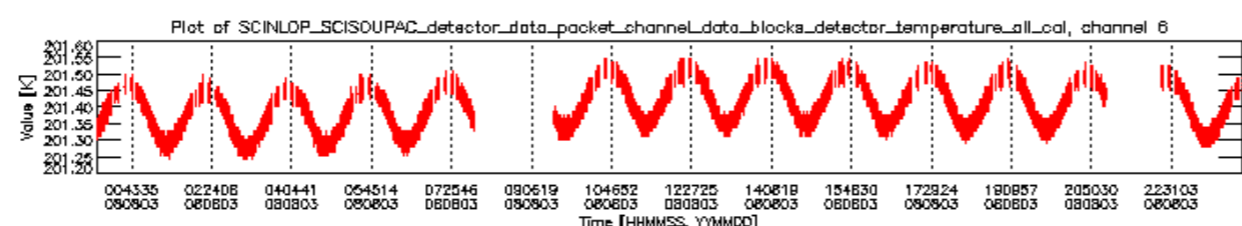
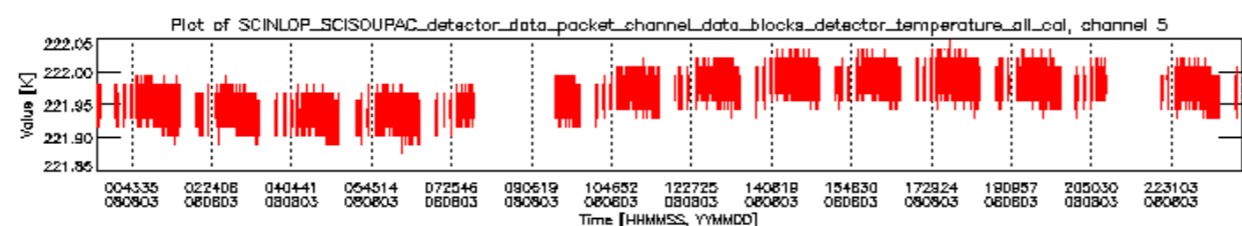
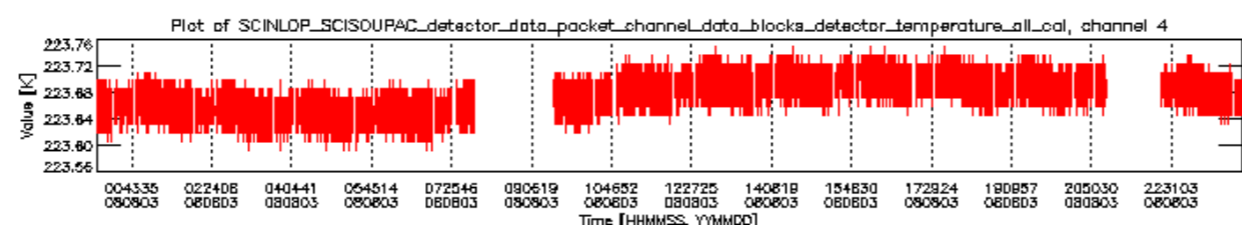
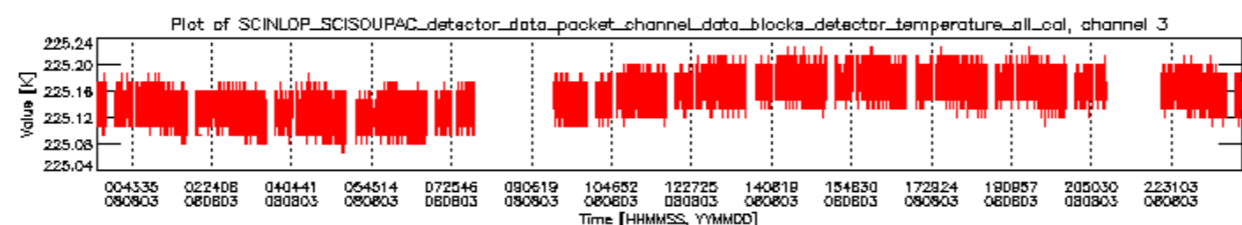
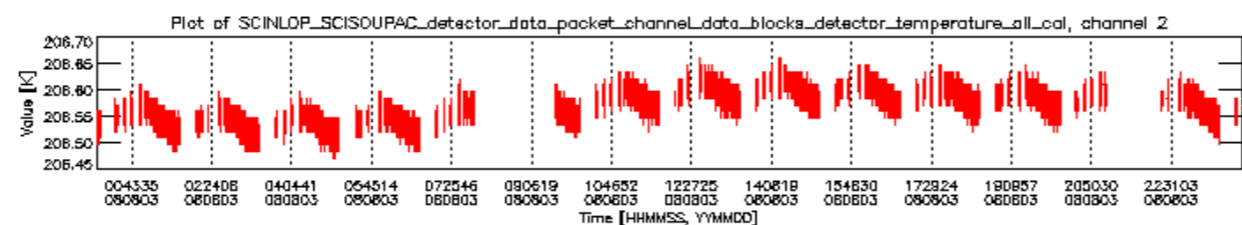
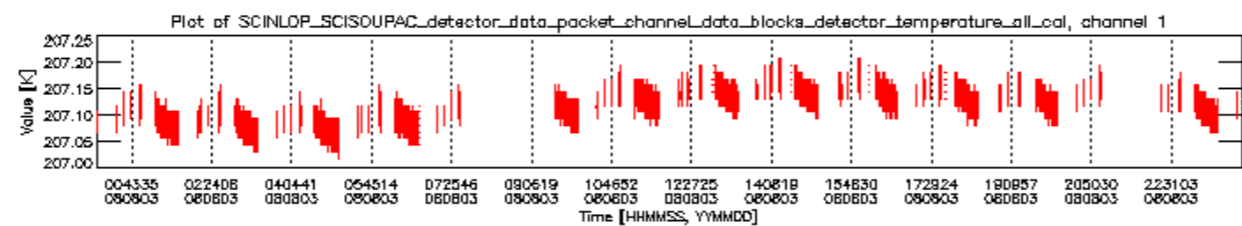


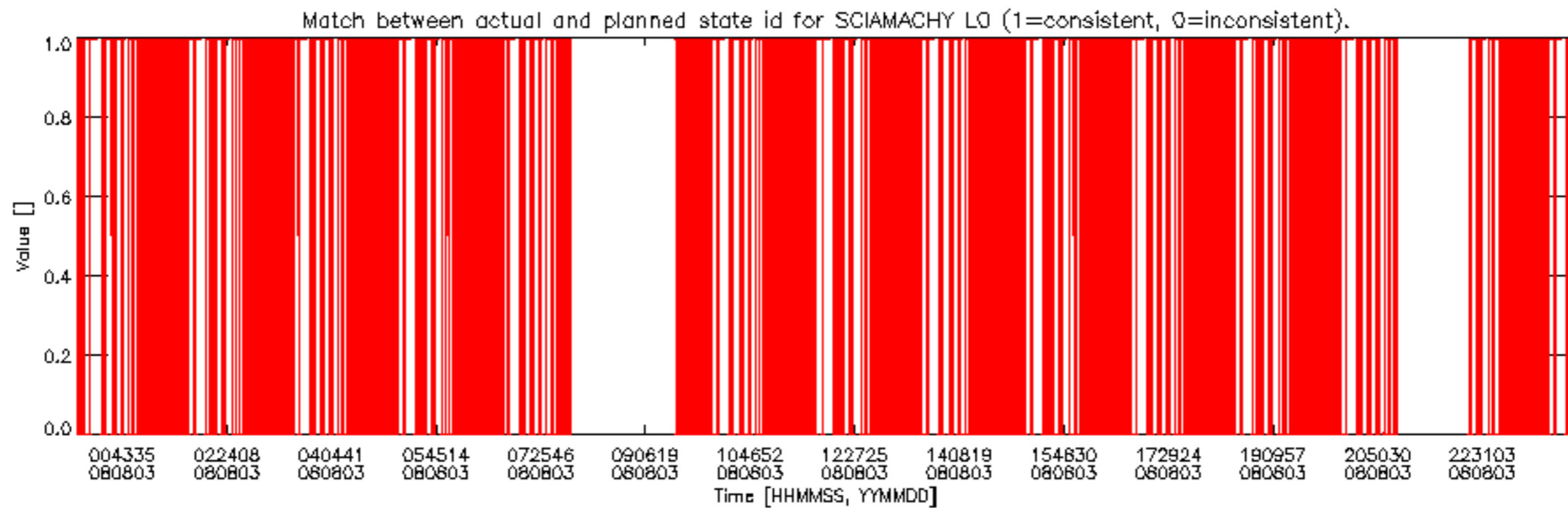
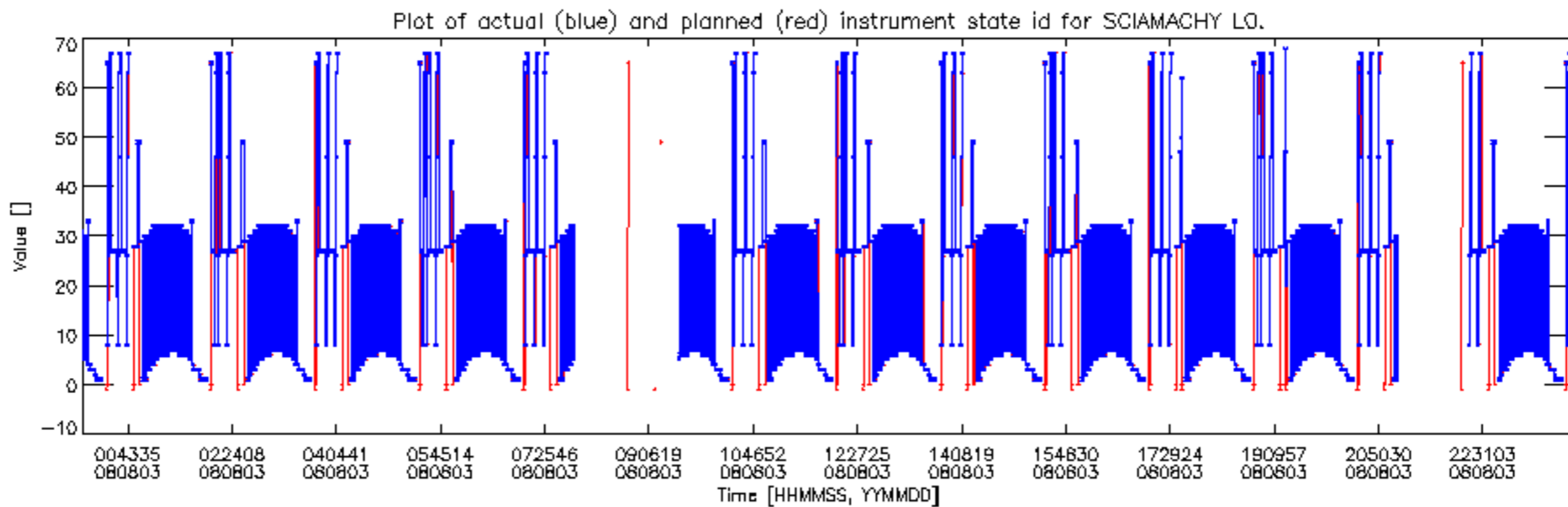




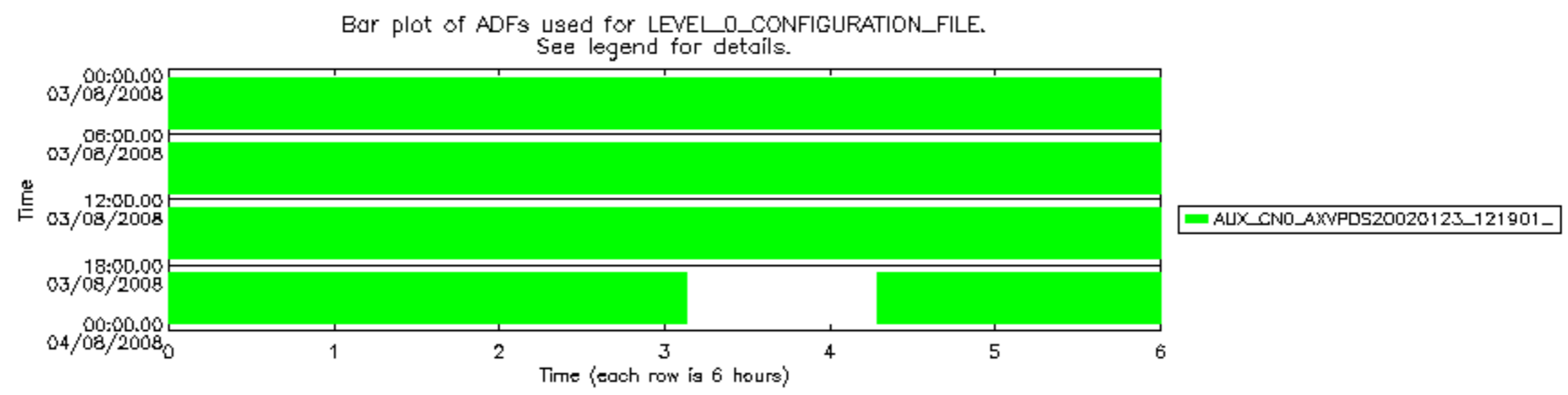












Bar plot of ADFs used for ORBIT\_STATE\_VECTOR\_FILE.  
See legend for details.

