

## 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	29MAR2008 05:01:42
Data source version	KSPT_L0/4303-N
Processing scope for products	25MAR2008 00:00:00 to 26MAR2008 00:00:00
Start time of first product within scope	24MAR2008 23:40:49
Stop time of last product within scope	26MAR2008 00:56:50
Total number of level 0 products	15
Number of level 0 products with errors	6

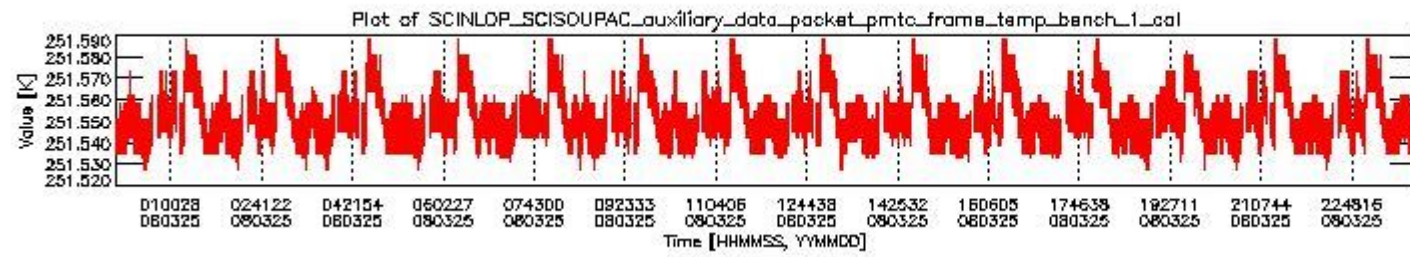
### 0.1.2 Summary per product

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

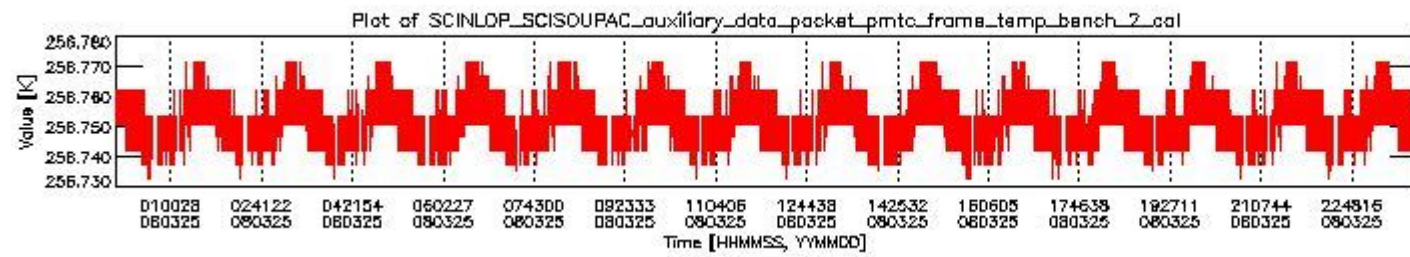
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080324_234049_000064652067_00102_31719_6304.N1	24MAR2008 23:40:49	25MAR2008 01:28:33	1	0	1	0	0
1	SCI_NL__OPNPDE20080325_012328_000064092067_00103_31720_6305.N1	25MAR2008 01:23:28	25MAR2008 03:10:17	1	0	1	0	0
2	SCI_NL__OPNPDE20080325_030608_000064092067_00104_31721_6306.N1	25MAR2008 03:06:08	25MAR2008 04:52:57	1	0	1	0	0
3	SCI_NL__OPNPDE20080325_044848_000064092067_00105_31722_6307.N1	25MAR2008 04:48:48	25MAR2008 06:35:37	1	0	1	0	0
4	SCI_NL__OPNPDK20080325_063032_000061472067_00106_31723_7754.N1	25MAR2008 06:30:32	25MAR2008 08:13:00	0	0	0	0	0
5	SCI_NL__OPNPDK20080325_081300_000059802067_00107_31724_7755.N1	25MAR2008 08:13:00	25MAR2008 09:52:39	0	0	0	0	0
6	SCI_NL__OPNPDK20080325_095143_000060232067_00108_31725_7756.N1	25MAR2008 09:51:43	25MAR2008 11:32:06	0	0	0	0	0
7	SCI_NL__OPNPDK20080325_113110_000059802067_00109_31726_7757.N1	25MAR2008 11:31:10	25MAR2008 13:10:50	0	0	0	0	0
8	SCI_NL__OPNPDK20080325_130941_000059672067_00110_31727_7758.N1	25MAR2008 13:09:41	25MAR2008 14:49:08	0	0	0	0	0
9	SCI_NL__OPNPDK20080325_144812_000059112067_00111_31728_7759.N1	25MAR2008 14:48:12	25MAR2008 16:26:43	0	0	0	0	0
10	SCI_NL__OPNPDK20080325_162547_000058782067_00112_31729_7760.N1	25MAR2008 16:25:47	25MAR2008 18:03:46	0	0	0	0	0
11	SCI_NL__OPNPDK20080325_180250_000059562067_00113_31730_7761.N1	25MAR2008 18:02:50	25MAR2008 19:42:06	0	0	0	0	0
12	SCI_NL__OPNPDK20080325_194044_000061732067_00114_31731_7762.N1	25MAR2008 19:40:44	25MAR2008 21:23:38	0	0	0	0	0
13	SCI_NL__OPNPDE20080325_212120_000068392067_00115_31732_6308.N1	25MAR2008 21:21:20	25MAR2008 23:15:19	1	0	1	0	0
14	SCI_NL__OPNPDE20080325_230809_000065202067_00116_31733_6309.N1	25MAR2008 23:08:09	26MAR2008 00:56:50	1	1	1	0	0

## 0.2 Product Quality Indicators

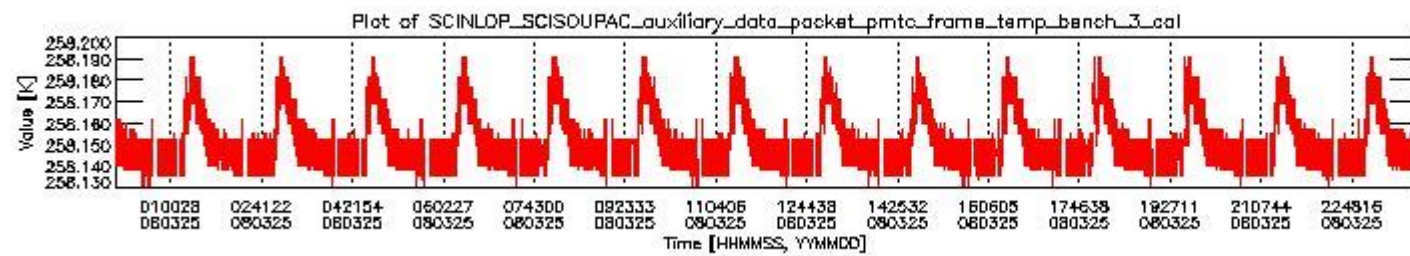
This section shows information about product quality, currently temperatures.



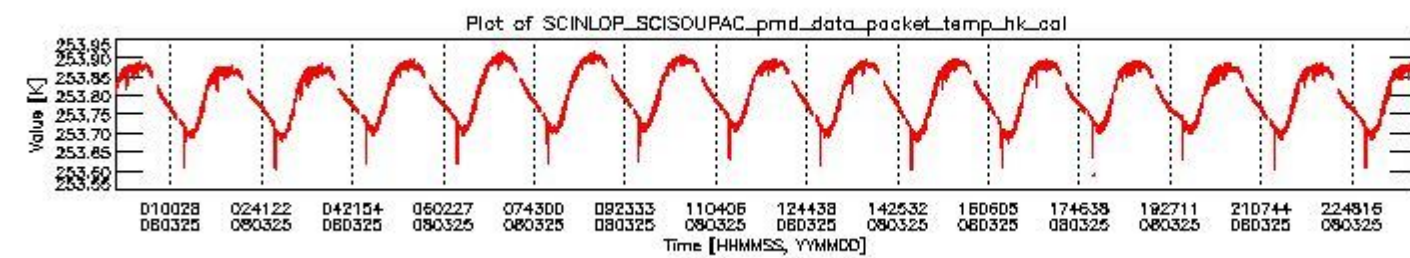
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_0.PNG



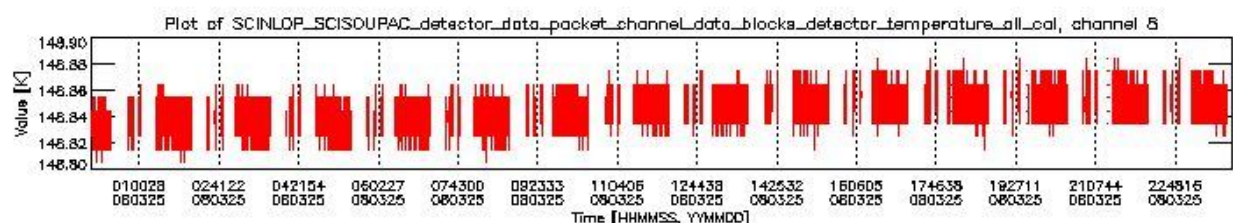
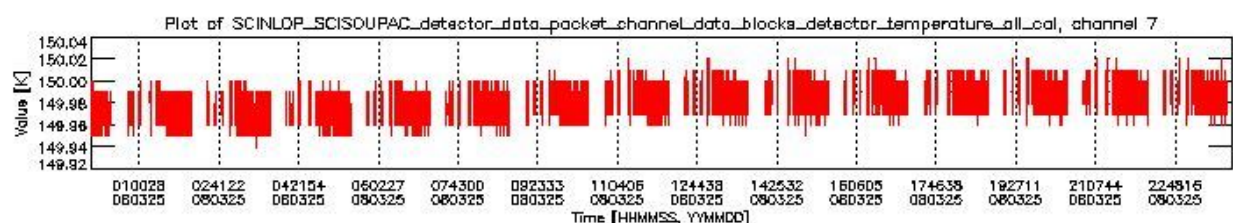
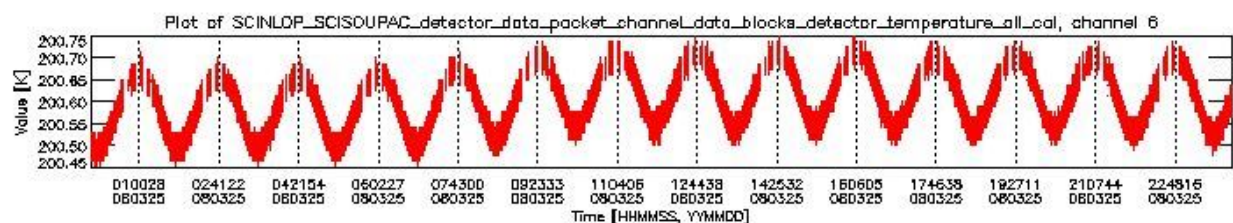
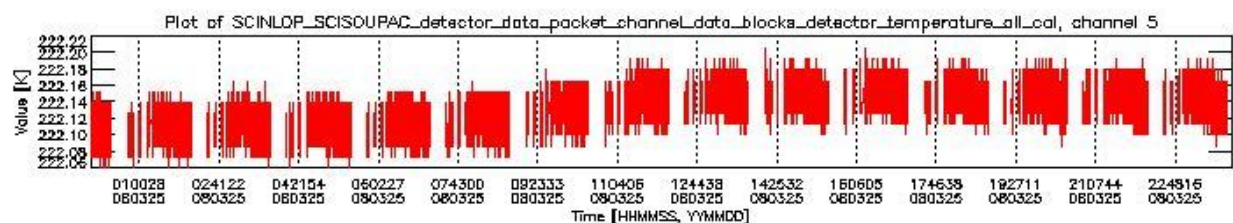
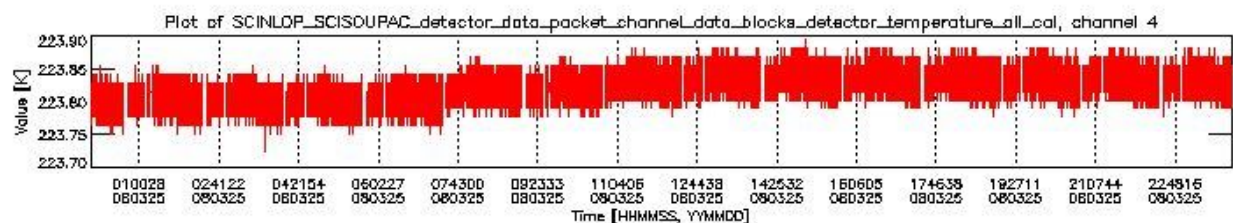
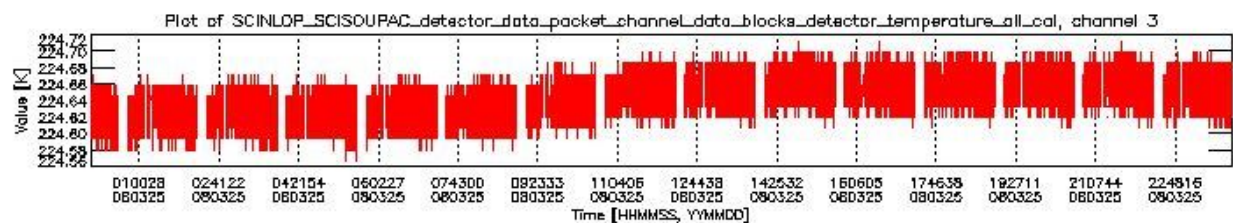
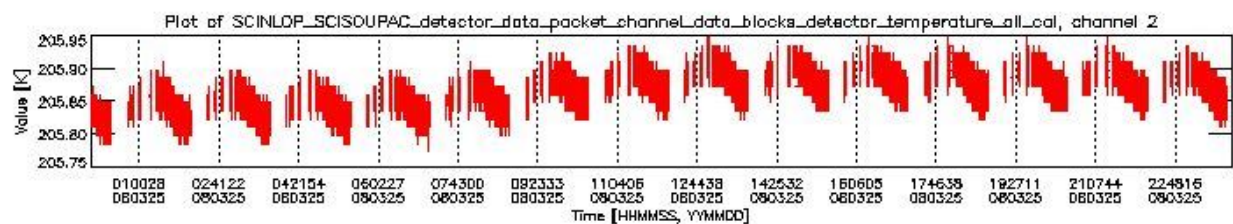
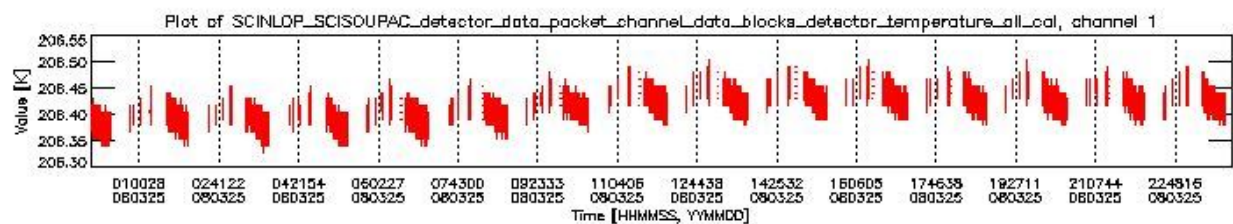
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_3.PNG

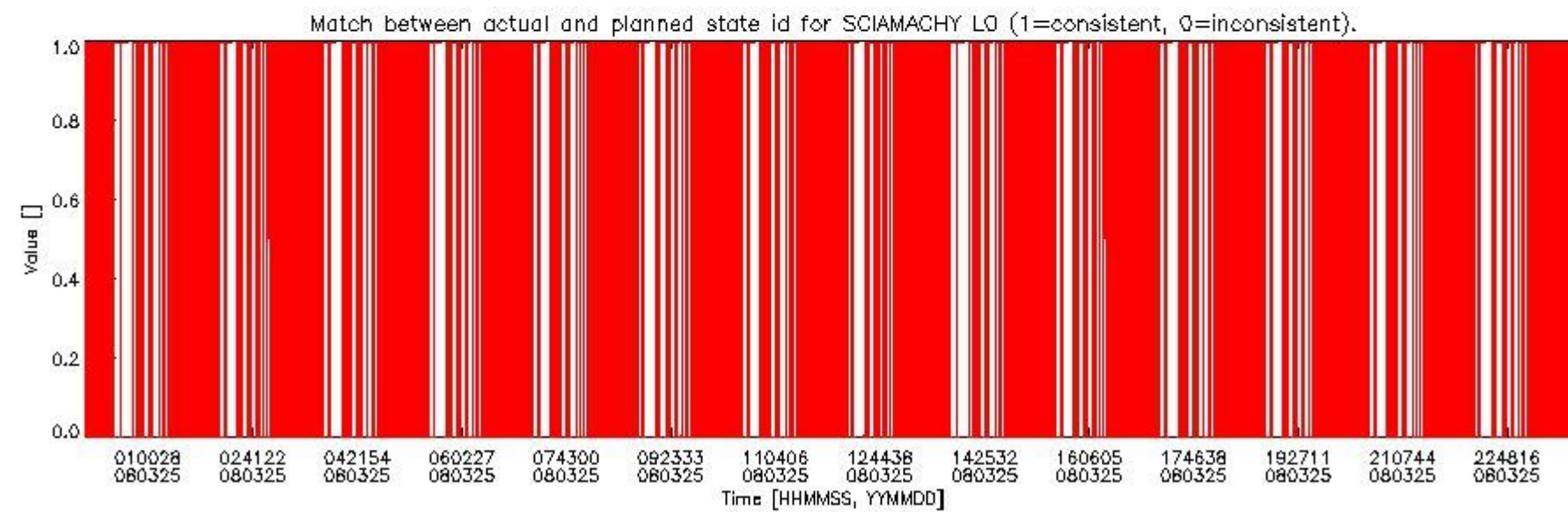
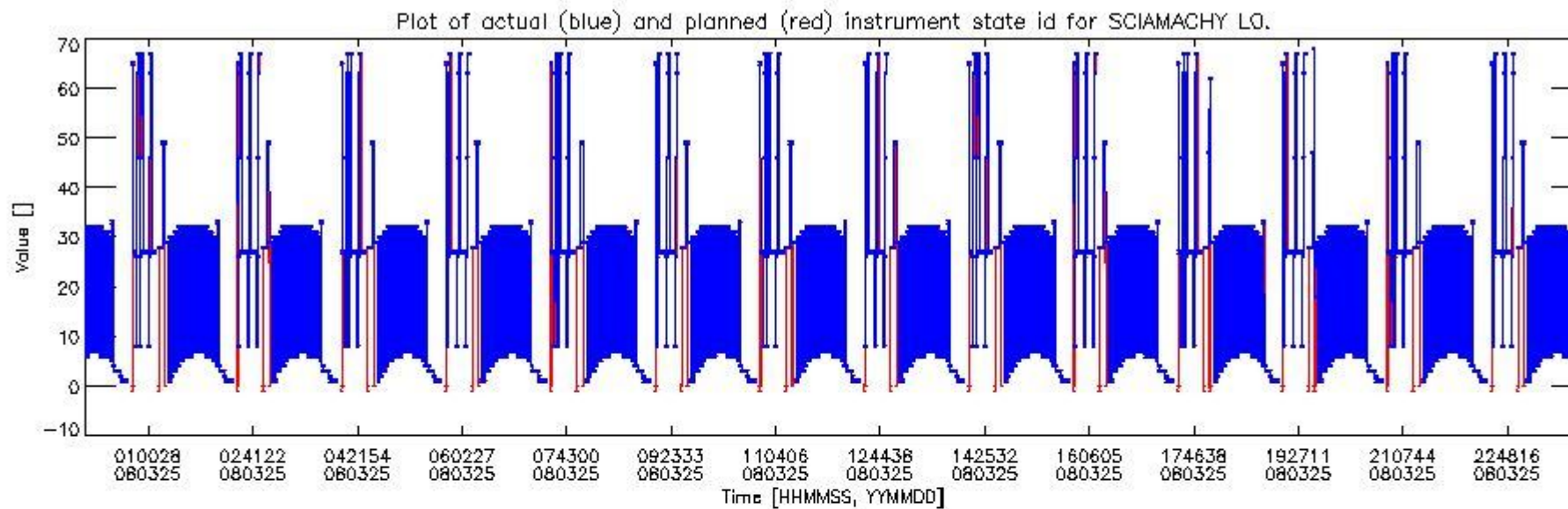


### 0.3 State monitoring

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: **32643**

#	Actual time	Actual value	Planned time	Planned value
0	25MAR2008 00:00:37.436087	32	25MAR2008 00:00:37.436087	6
1	25MAR2008 00:00:38.061109	32	25MAR2008 00:00:38.061109	6
2	25MAR2008 00:00:38.436082	32	25MAR2008 00:00:38.436082	6
3	25MAR2008 00:00:38.811095	32	25MAR2008 00:00:38.811095	6
4	25MAR2008 00:00:39.373595	32	25MAR2008 00:00:39.373595	6
5	25MAR2008 00:00:39.748608	32	25MAR2008 00:00:39.748608	6
6	25MAR2008 00:00:40.123580	32	25MAR2008 00:00:40.123580	6
7	25MAR2008 00:00:40.498593	32	25MAR2008 00:00:40.498593	6
8	25MAR2008 00:00:41.061093	32	25MAR2008 00:00:41.061093	6
9	25MAR2008 00:00:41.436106	32	25MAR2008 00:00:41.436106	6
10	25MAR2008 00:00:41.811079	32	25MAR2008 00:00:41.811079	6
11	25MAR2008 00:00:42.186092	32	25MAR2008 00:00:42.186092	6
12	25MAR2008 00:00:42.436101	32	25MAR2008 00:00:42.436101	6
13	25MAR2008 00:00:42.748591	32	25MAR2008 00:00:42.748591	6
14	25MAR2008 00:00:43.123604	32	25MAR2008 00:00:43.123604	6
15	25MAR2008 00:00:43.498577	32	25MAR2008 00:00:43.498577	6
16	25MAR2008 00:00:43.873590	32	25MAR2008 00:00:43.873590	6
17	25MAR2008 00:00:44.436090	32	25MAR2008 00:00:44.436090	6
18	25MAR2008 00:01:33.307199	6	25MAR2008 00:01:33.307199	32
19	25MAR2008 00:01:33.682212	6	25MAR2008 00:01:33.682212	32
	...	...	...	...

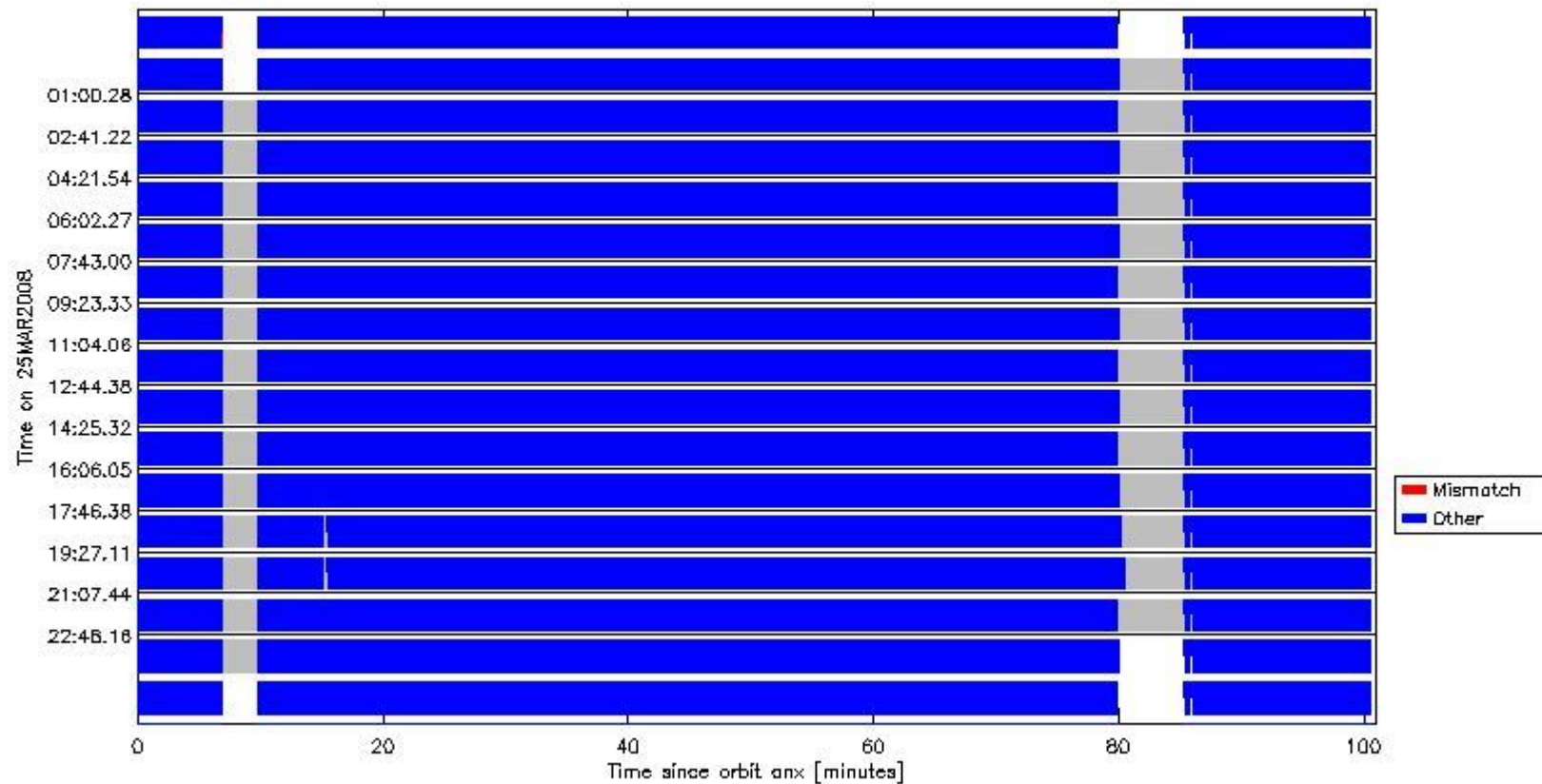


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_5.PNG

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 25MAR2008.  
 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\_20080325\_6.PNG

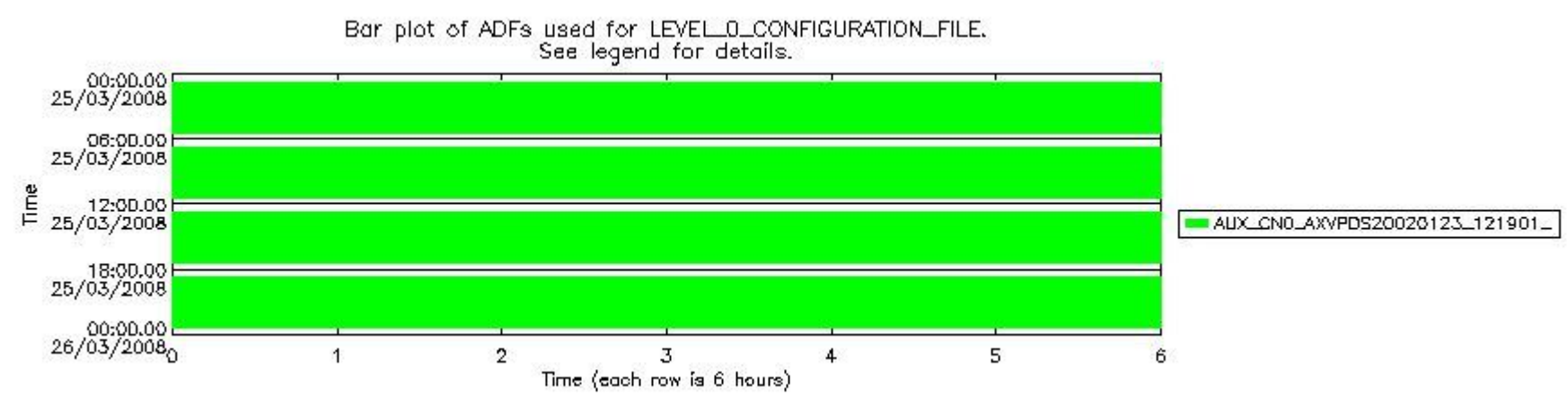
## 0.4 ADF monitoring

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

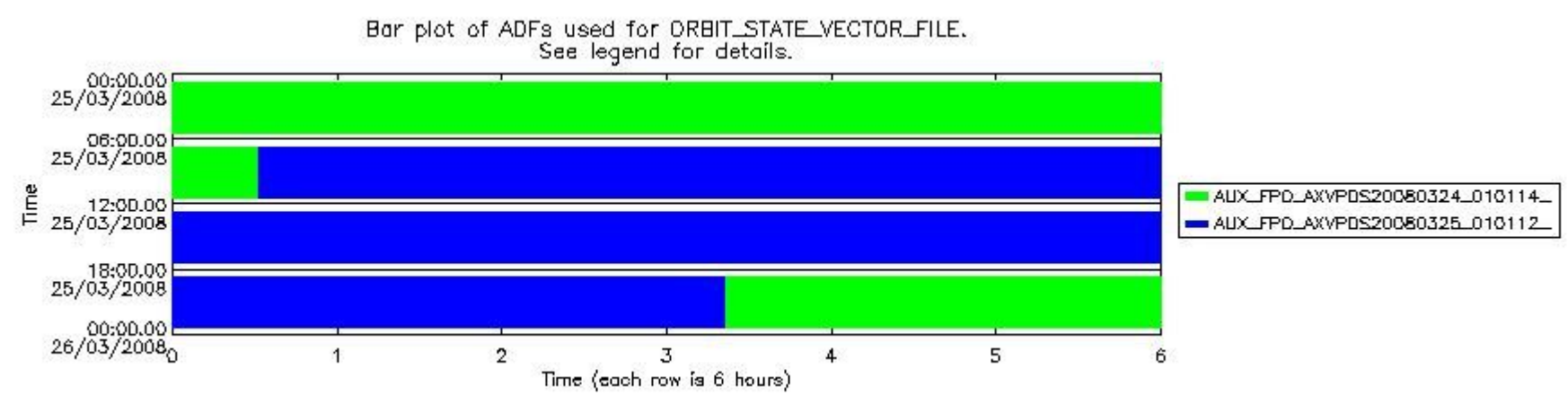
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

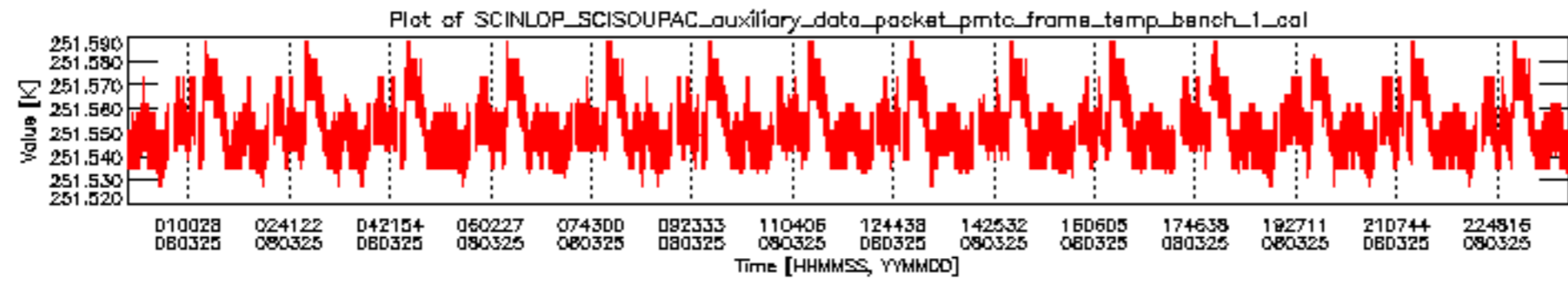
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	<b>AUX_FPO_AXVPDS20080324_010114_20080323_184949_20080402_201602</b>
2	<b>AUX_FPO_AXVPDS20080325_010112_20080324_195848_20080403_212501</b>



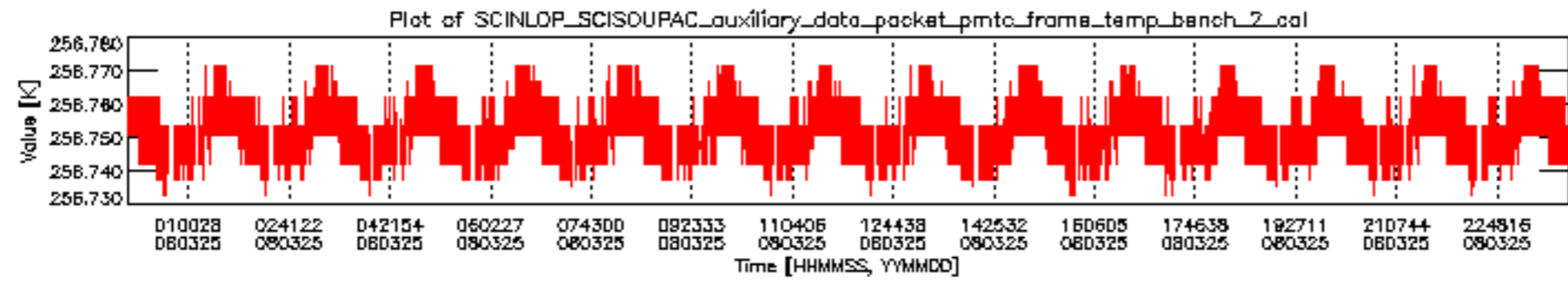
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_7.PNG

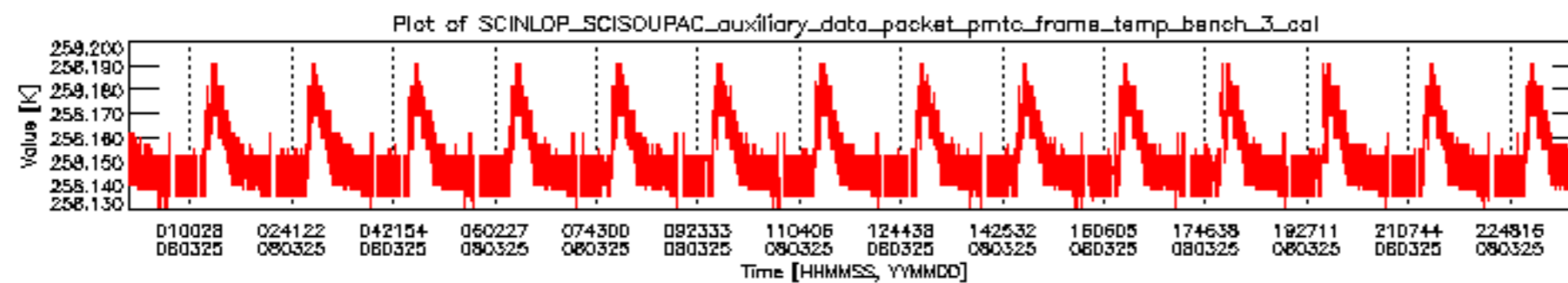


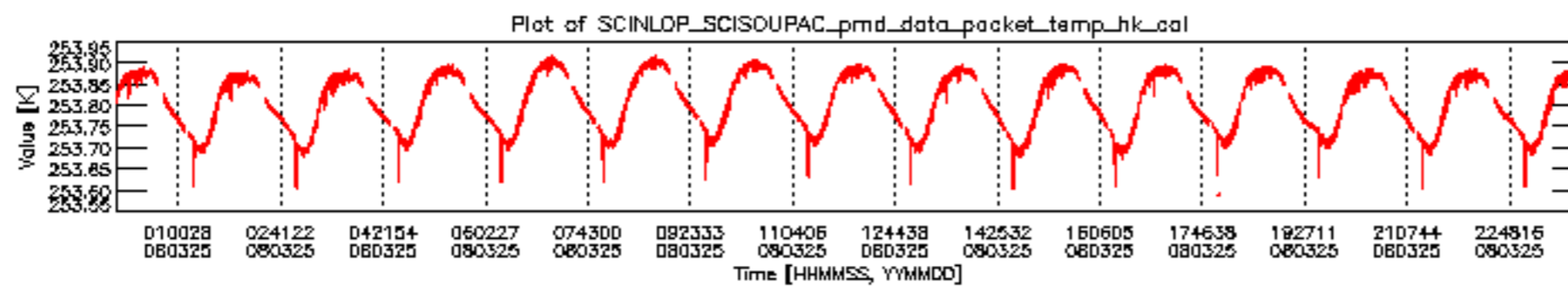
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080325\_8.PNG

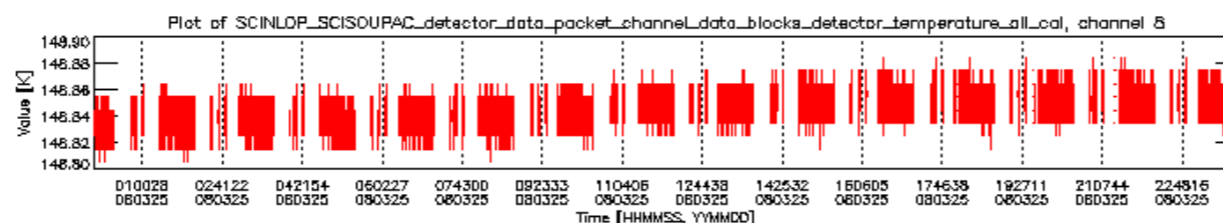
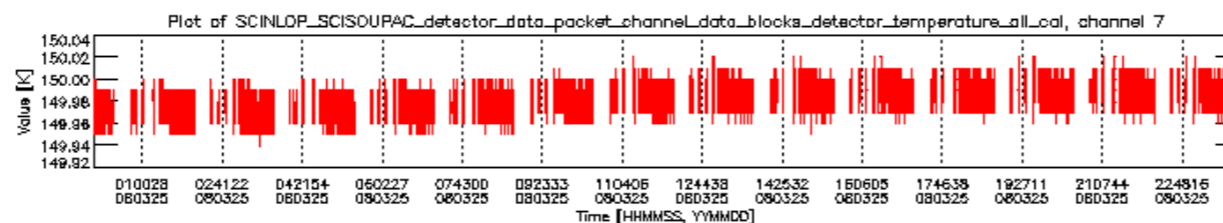
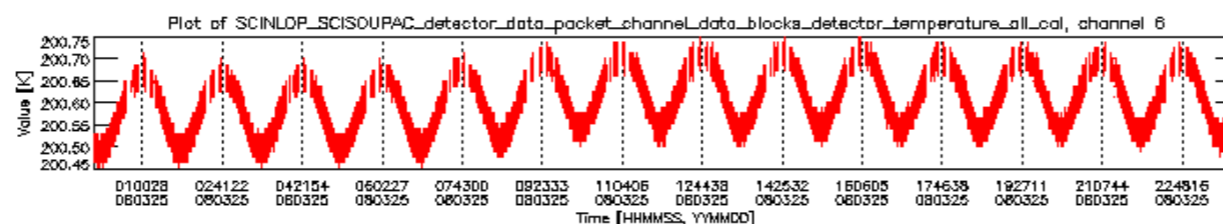
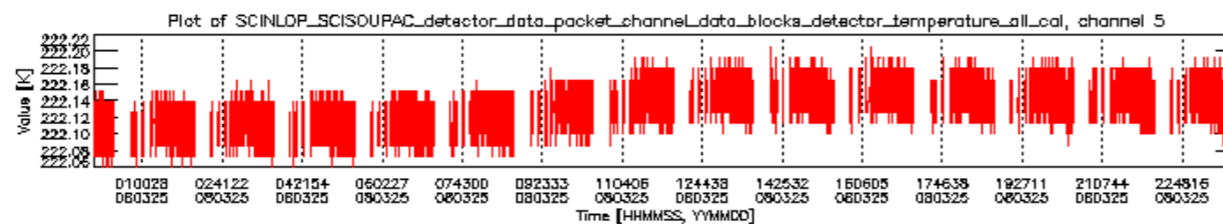
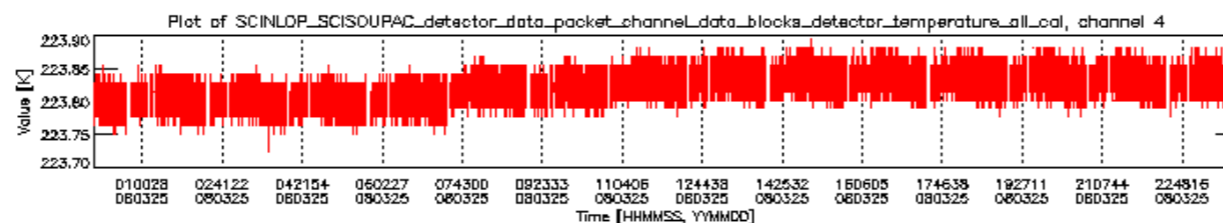
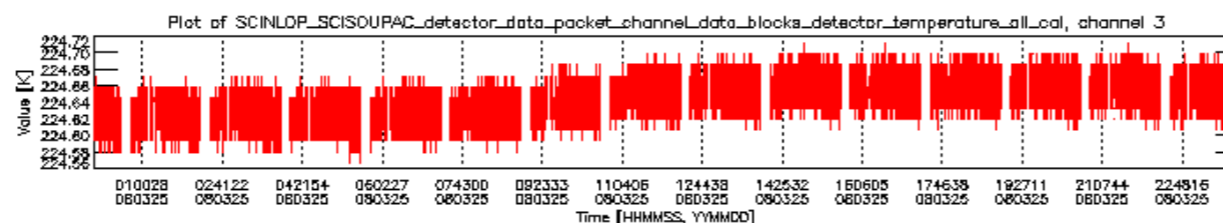
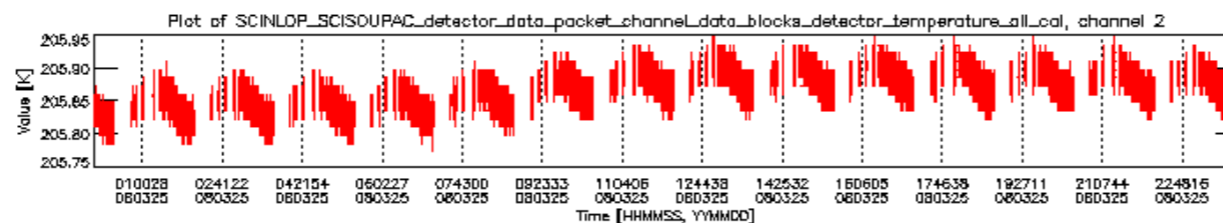
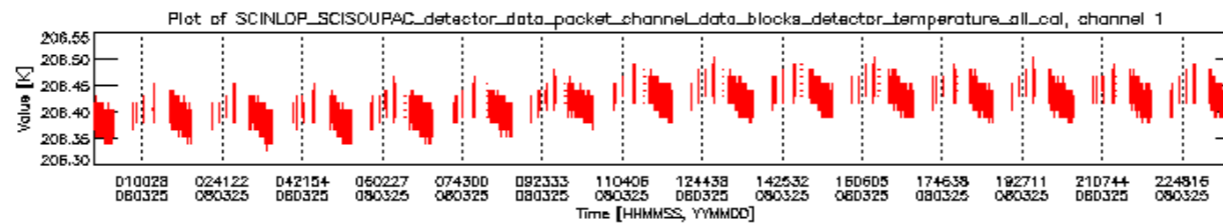


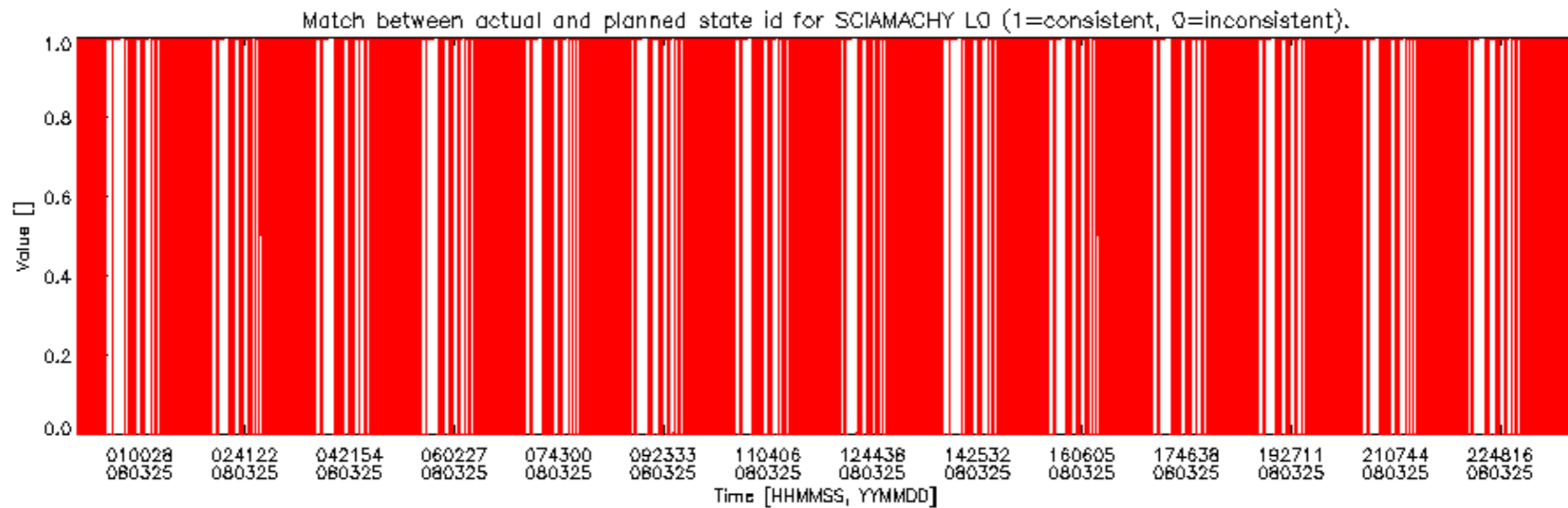
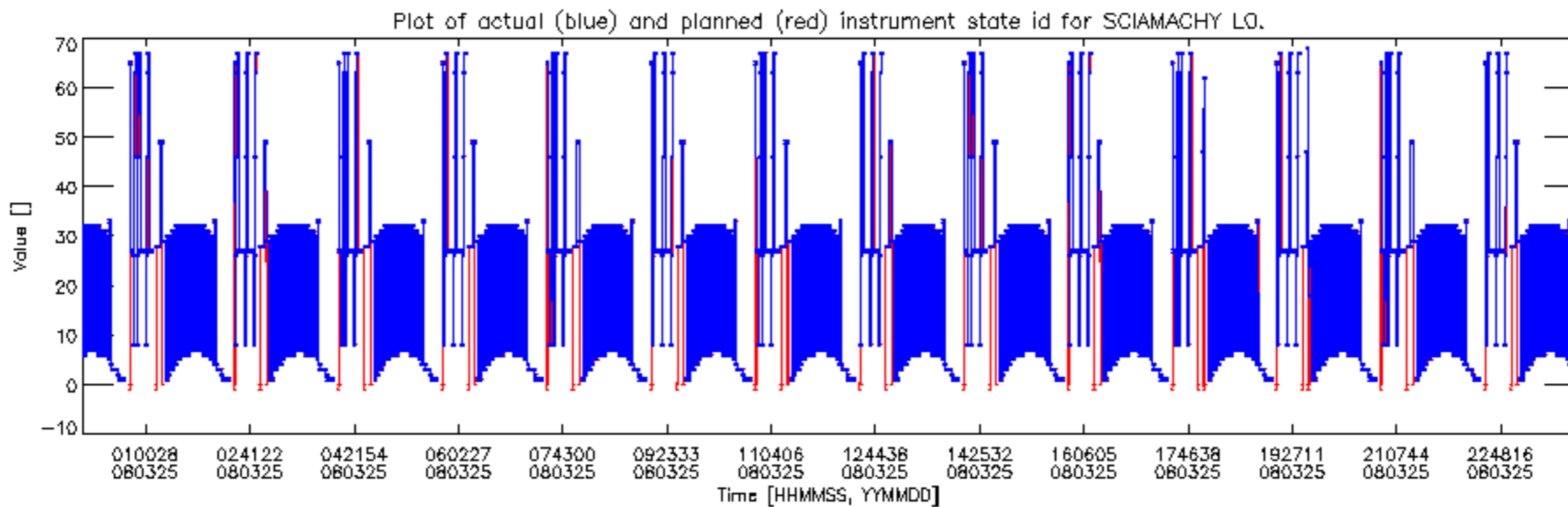












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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