

## 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	28JUN2008 04:59:30
Data source version	KSPT_L0/4303-N
Processing scope for products	24JUN2008 00:00:00 to 25JUN2008 00:00:00
Start time of first product within scope	23JUN2008 23:48:03
Stop time of last product within scope	25JUN2008 00:57:34
Total number of level 0 products	16
Number of level 0 products with errors	0

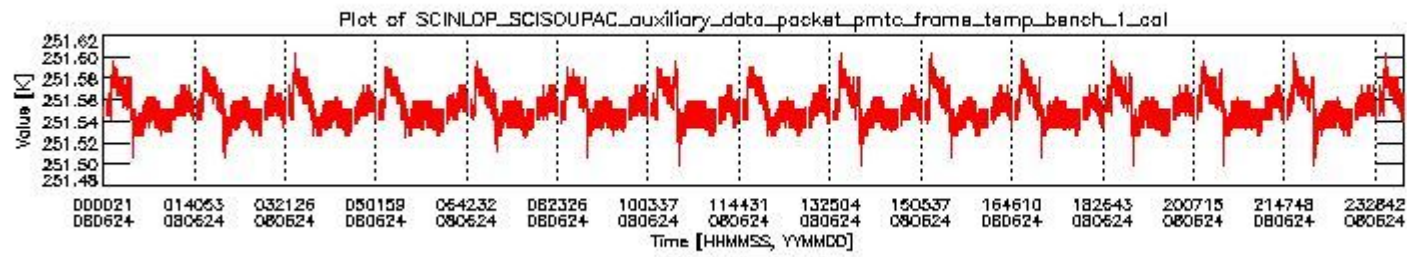
### 0.1.2 Summary per product

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

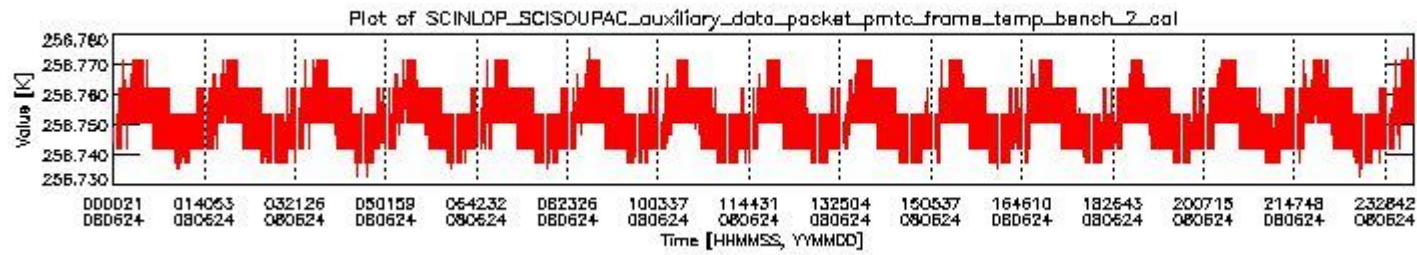
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20080623_234803_000060672069_00402_33021_7032.N1	23JUN2008 23:48:03	24JUN2008 01:29:11	0	0	0	0	0
1	SCI_NL__OPNPDE20080624_012703_000046582069_00403_33022_7033.N1	24JUN2008 01:27:03	24JUN2008 02:44:41	0	0	0	0	0
2	SCI_NL__OPNPDE20080624_024332_000059112069_00404_33023_7034.N1	24JUN2008 02:43:32	24JUN2008 04:22:04	0	0	0	0	0
3	SCI_NL__OPNPDE20080624_042108_000061482069_00405_33024_7035.N1	24JUN2008 04:21:08	24JUN2008 06:03:36	0	0	0	0	0
4	SCI_NL__OPNPDK20080624_060240_000041142069_00406_33025_8585.N1	24JUN2008 06:02:40	24JUN2008 07:11:13	0	0	0	0	0
5	SCI_NL__OPNPDK20080624_071005_000062162069_00407_33026_8586.N1	24JUN2008 07:10:05	24JUN2008 08:53:41	0	0	0	0	0
6	SCI_NL__OPNPDK20080624_085245_000059802069_00408_33027_8587.N1	24JUN2008 08:52:45	24JUN2008 10:32:25	0	0	0	0	0
7	SCI_NL__OPNPDK20080624_103117_000060362069_00409_33028_8588.N1	24JUN2008 10:31:17	24JUN2008 12:11:52	0	0	0	0	0
8	SCI_NL__OPNPDK20080624_121044_000060492069_00410_33029_8589.N1	24JUN2008 12:10:44	24JUN2008 13:51:32	0	0	0	0	0
9	SCI_NL__OPNPDK20080624_135024_000059112069_00411_33030_8590.N1	24JUN2008 13:50:24	24JUN2008 15:28:55	0	0	0	0	0
10	SCI_NL__OPNPDK20080624_152747_000059242069_00412_33031_8591.N1	24JUN2008 15:27:47	24JUN2008 17:06:31	0	0	0	0	0
11	SCI_NL__OPNPDK20080624_170523_000059272069_00413_33032_8592.N1	24JUN2008 17:05:23	24JUN2008 18:44:09	0	0	0	0	0
12	SCI_NL__OPNPDK20080624_184205_000061602069_00414_33033_8593.N1	24JUN2008 18:42:05	24JUN2008 20:24:45	0	0	0	0	0
13	SCI_NL__OPNPDE20080624_202241_000042942069_00415_33034_7036.N1	24JUN2008 20:22:41	24JUN2008 21:34:15	0	0	0	0	0
14	SCI_NL__OPNPDE20080624_213341_000062562069_00415_33034_7037.N1	24JUN2008 21:33:41	24JUN2008 23:17:57	0	0	0	0	0
15	SCI_NL__OPNPDE20080624_231710_000060242069_00416_33035_7038.N1	24JUN2008 23:17:10	25JUN2008 00:57:34	0	0	0	0	0

## 0.2 Product Quality Indicators

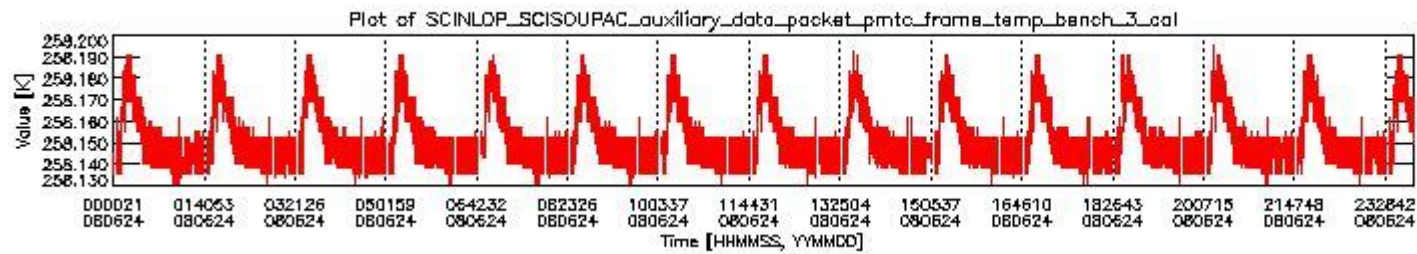
This section shows information about product quality, currently temperatures.



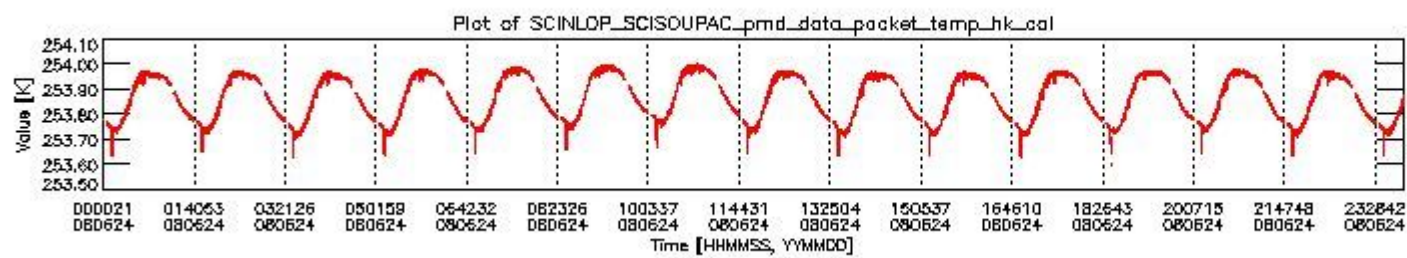
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_0.PNG



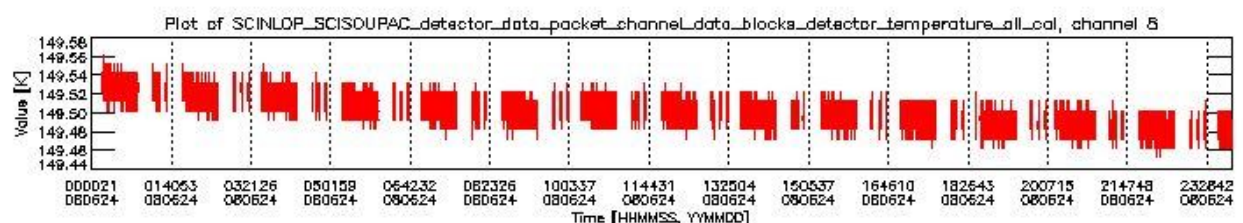
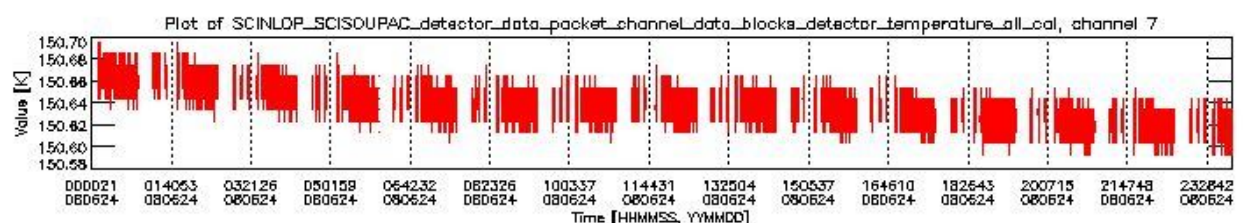
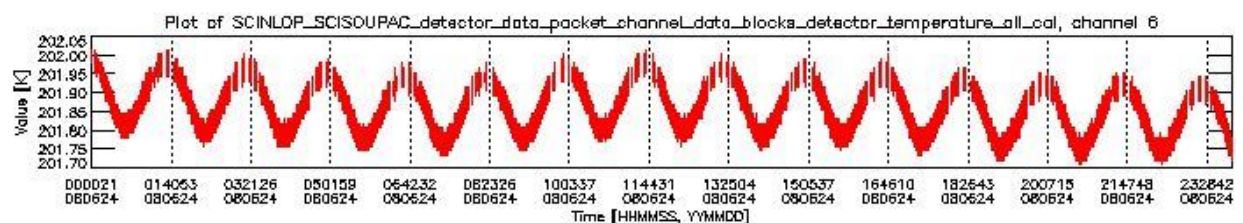
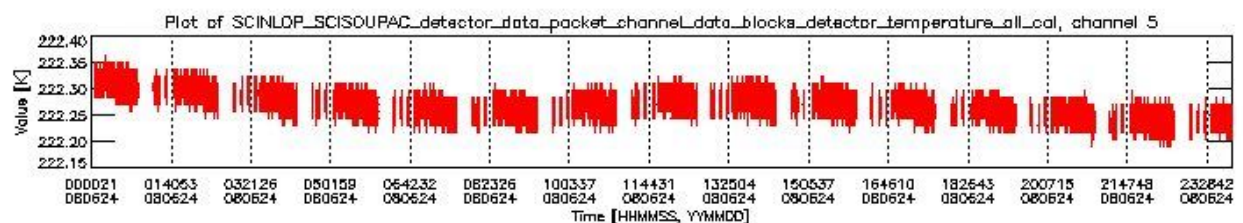
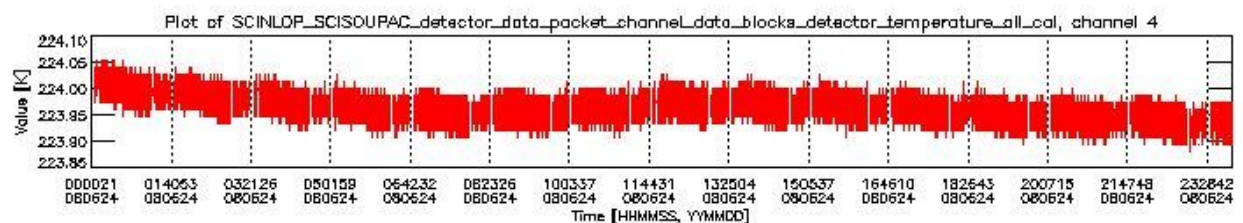
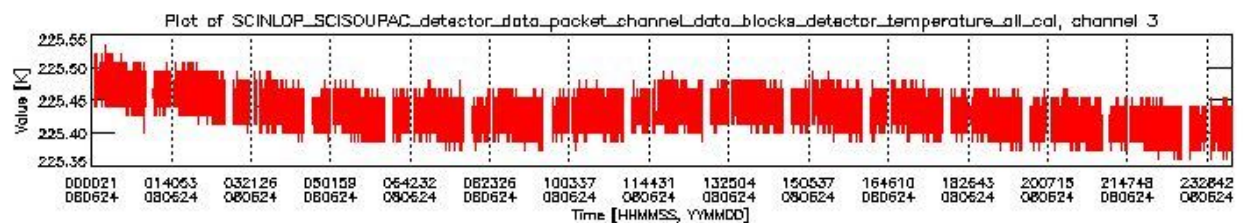
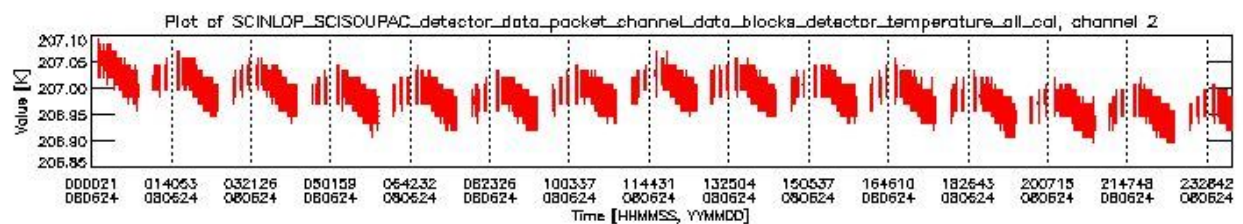
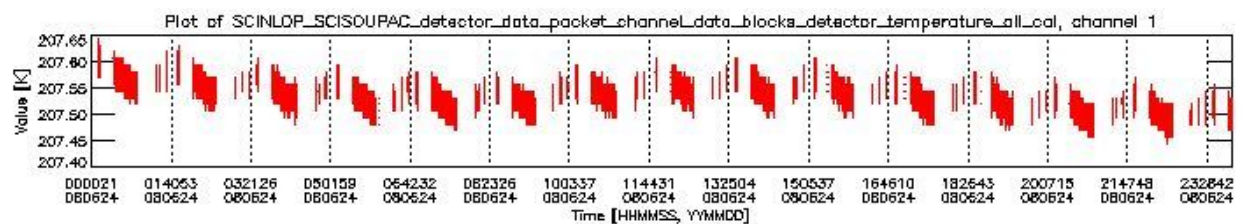
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_1.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_3.PNG

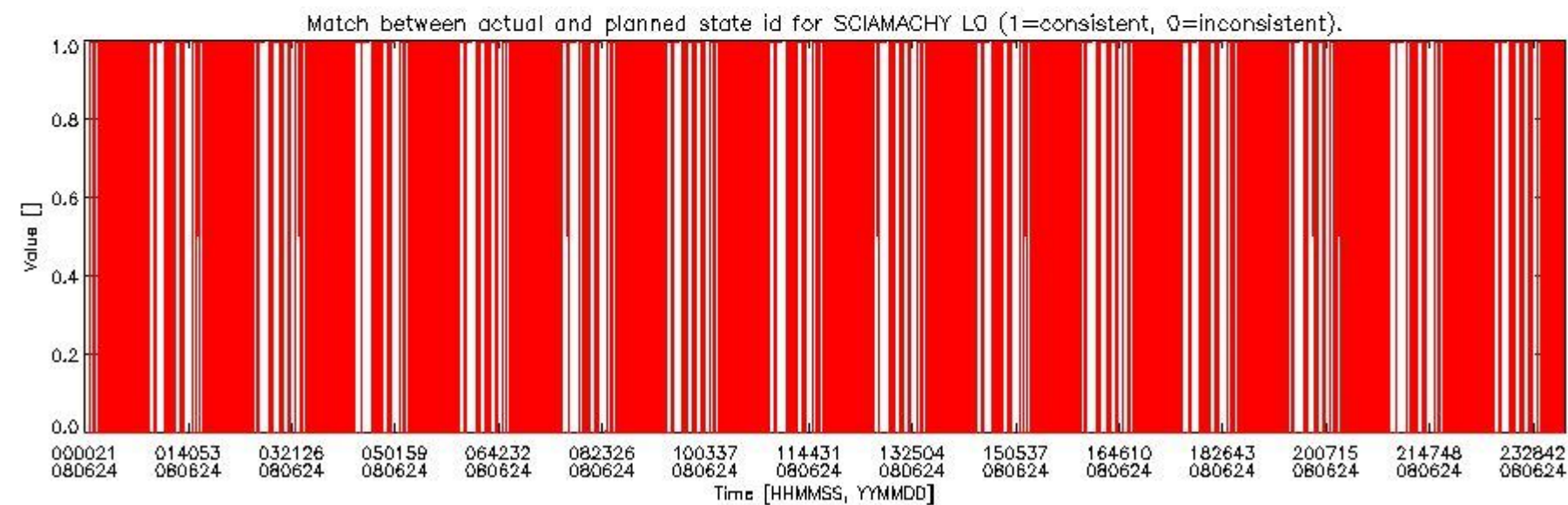
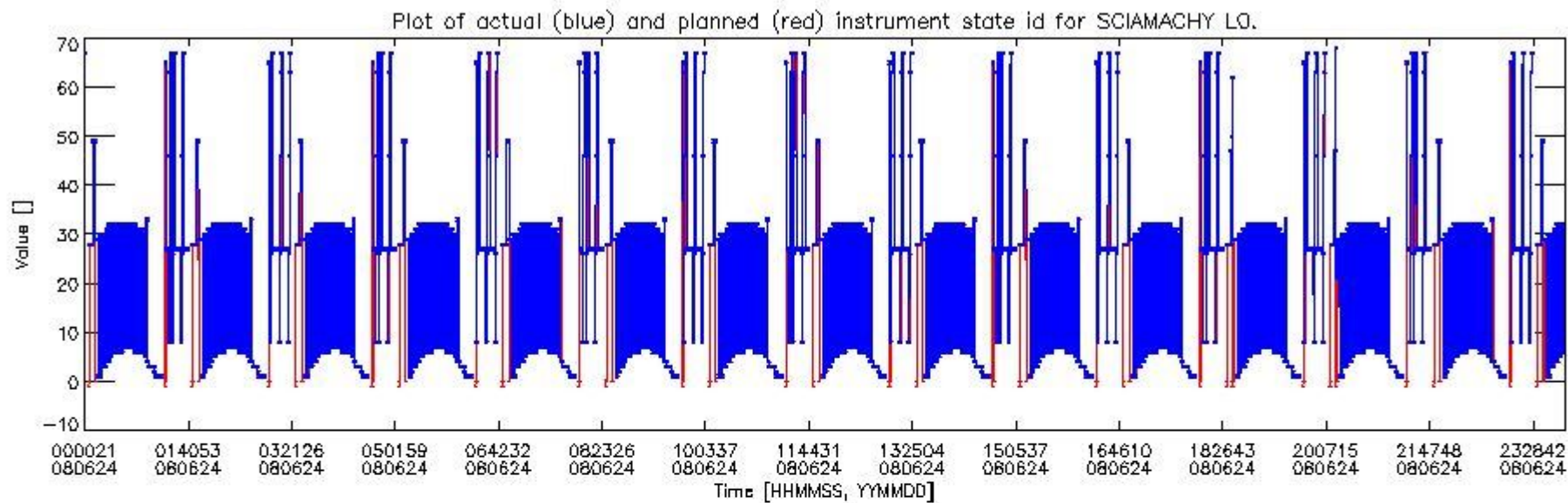


### 0.3 State monitoring

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: **32917**

#	Actual time	Actual value	Planned time	Planned value
0	24JUN2008 00:04:20.536306	28	24JUN2008 00:04:20.536306	0
1	24JUN2008 00:04:21.161327	28	24JUN2008 00:04:21.161327	0
2	24JUN2008 00:04:21.536300	28	24JUN2008 00:04:21.536300	0
3	24JUN2008 00:04:21.911313	28	24JUN2008 00:04:21.911313	0
4	24JUN2008 00:04:22.473813	28	24JUN2008 00:04:22.473813	0
5	24JUN2008 00:04:22.848826	28	24JUN2008 00:04:22.848826	0
6	24JUN2008 00:04:23.223799	28	24JUN2008 00:04:23.223799	0
7	24JUN2008 00:04:23.598812	28	24JUN2008 00:04:23.598812	0
8	24JUN2008 00:04:24.161311	28	24JUN2008 00:04:24.161311	0
9	24JUN2008 00:04:24.536324	28	24JUN2008 00:04:24.536324	0
10	24JUN2008 00:04:24.911297	28	24JUN2008 00:04:24.911297	0
11	24JUN2008 00:04:25.286310	28	24JUN2008 00:04:25.286310	0
12	24JUN2008 00:04:25.536319	28	24JUN2008 00:04:25.536319	0
13	24JUN2008 00:04:25.848809	28	24JUN2008 00:04:25.848809	0
14	24JUN2008 00:04:26.223823	28	24JUN2008 00:04:26.223823	0
15	24JUN2008 00:04:26.598836	28	24JUN2008 00:04:26.598836	0
16	24JUN2008 00:04:26.973808	28	24JUN2008 00:04:26.973808	0
17	24JUN2008 00:04:27.536308	28	24JUN2008 00:04:27.536308	0
18	24JUN2008 00:08:05.051966	49	24JUN2008 00:08:05.051966	28
19	24JUN2008 00:08:05.239452	49	24JUN2008 00:08:05.239452	28
	...	...	...	...

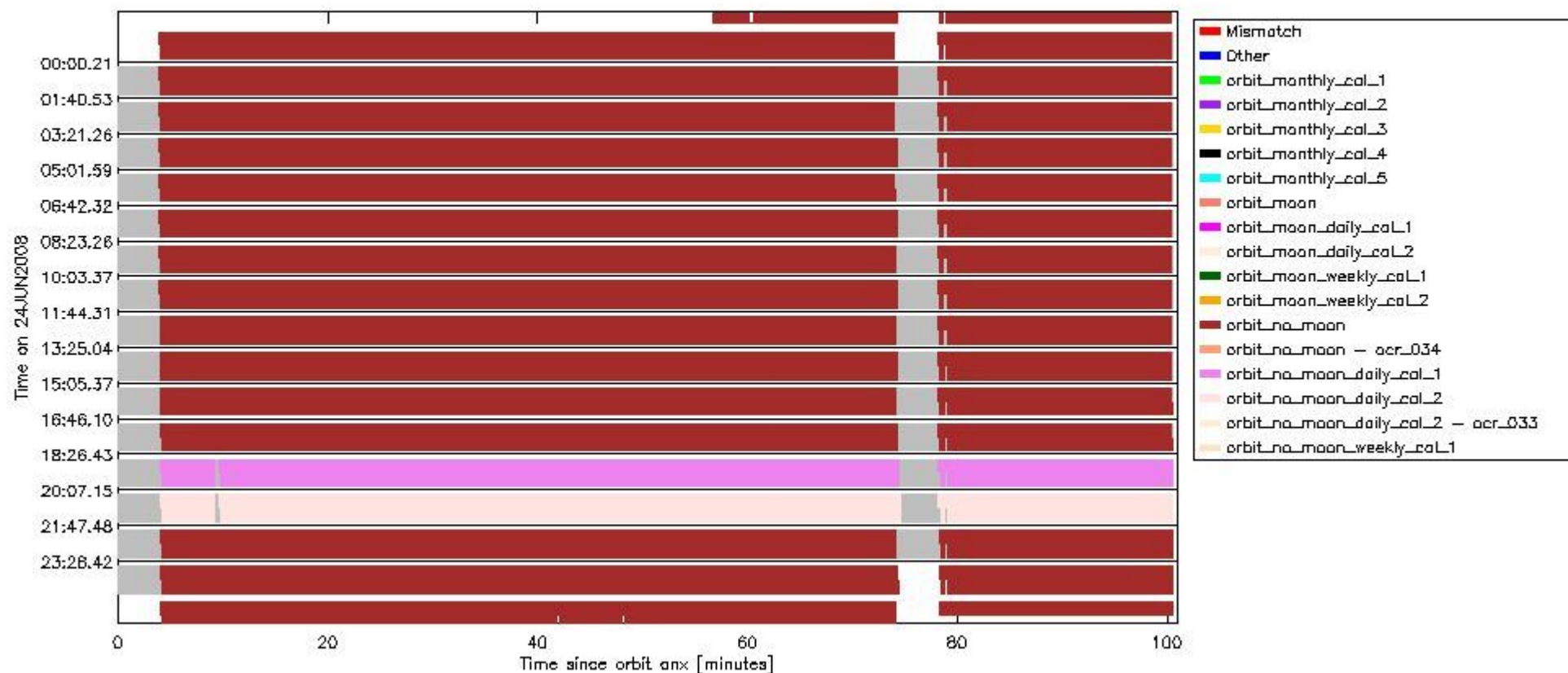


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_5.PNG

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 24JUN2008.  
 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\_20080624\_6.PNG

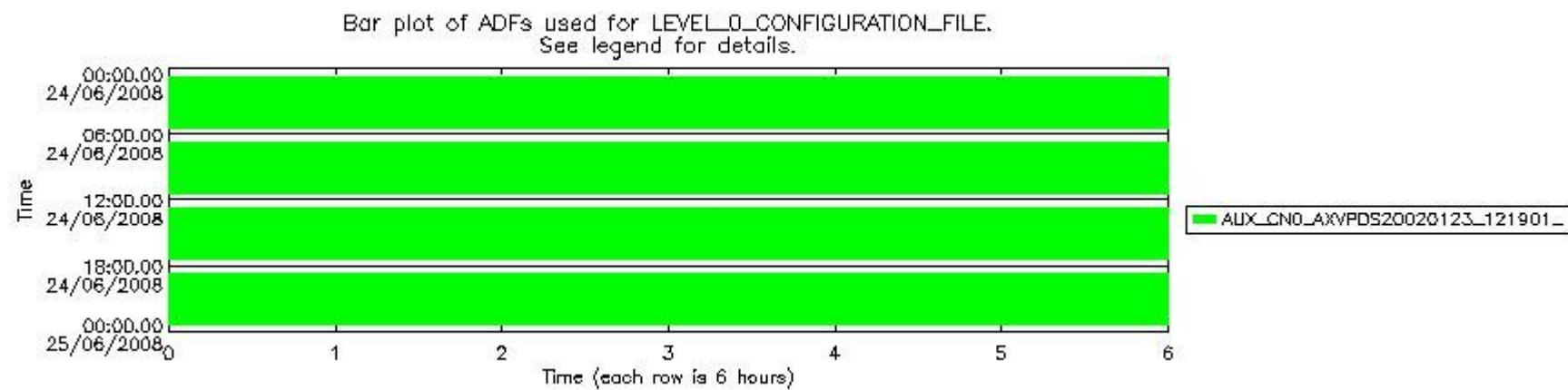
## 0.4 ADF monitoring

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

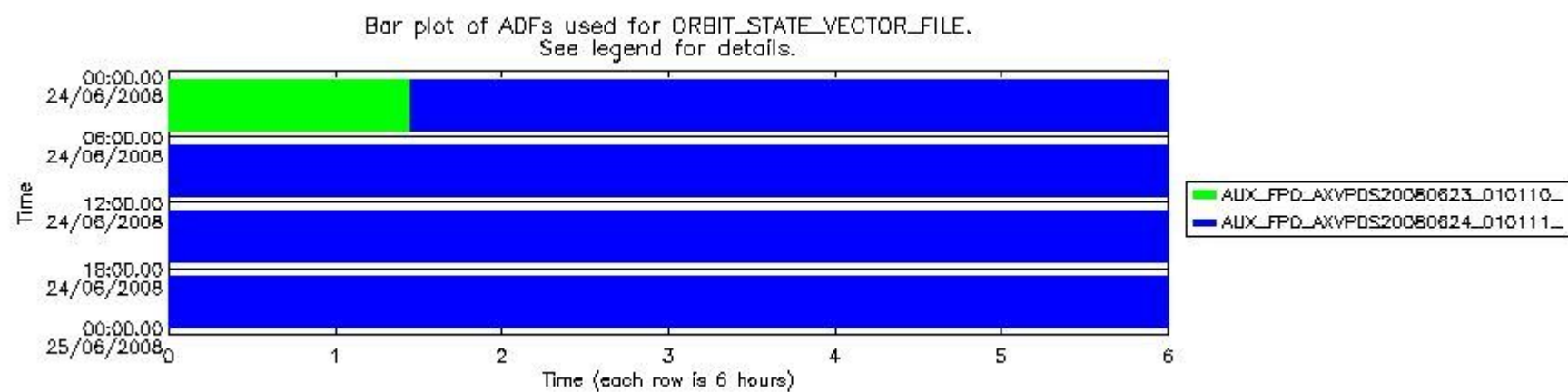
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

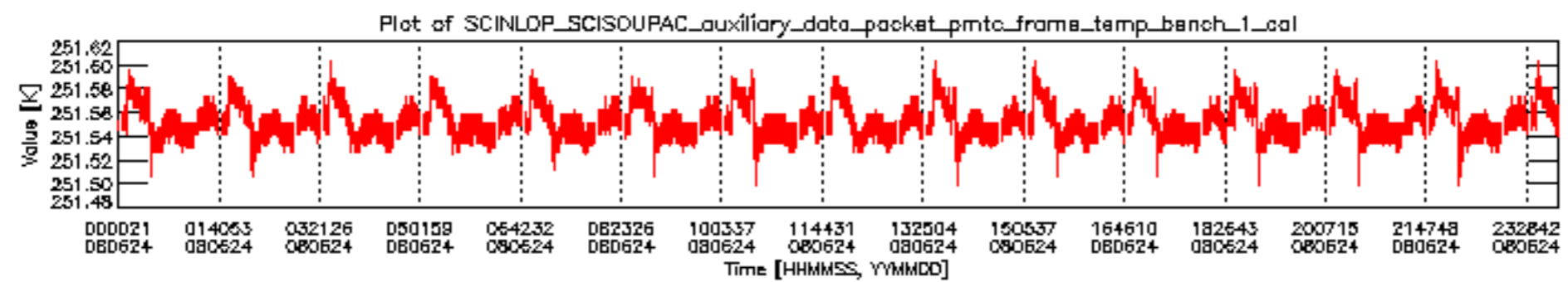
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
<b>1</b>	<b>AUX_FPO_AXVPDS20080623_010110_20080622_193003_20080702_205617</b>
<b>2</b>	<b>AUX_FPO_AXVPDS20080624_010111_20080623_185826_20080703_202440</b>



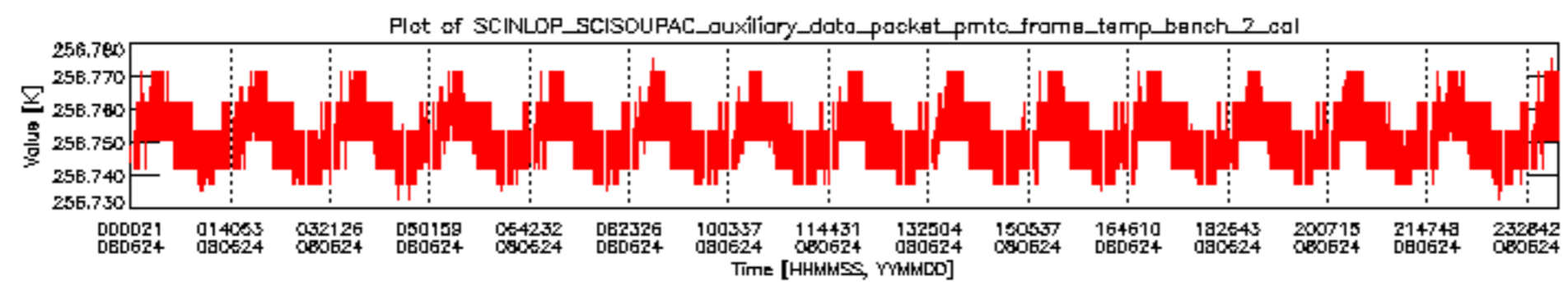
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_7.PNG

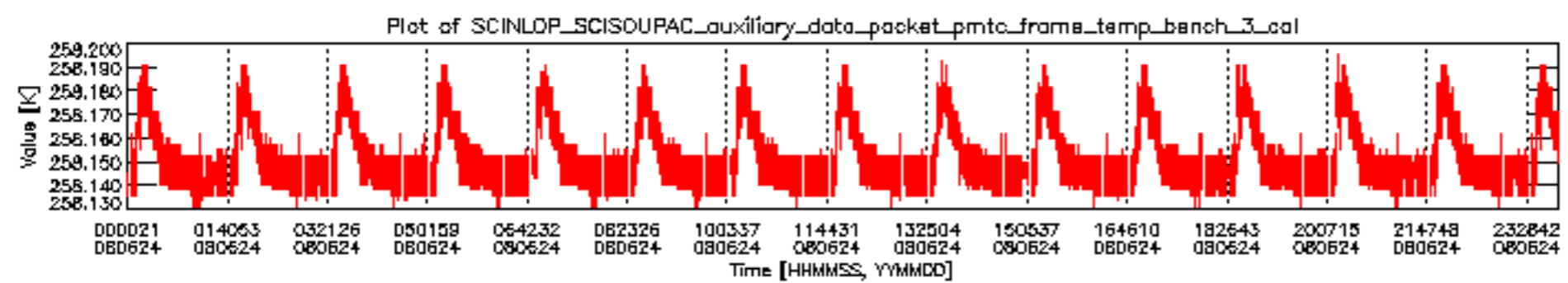


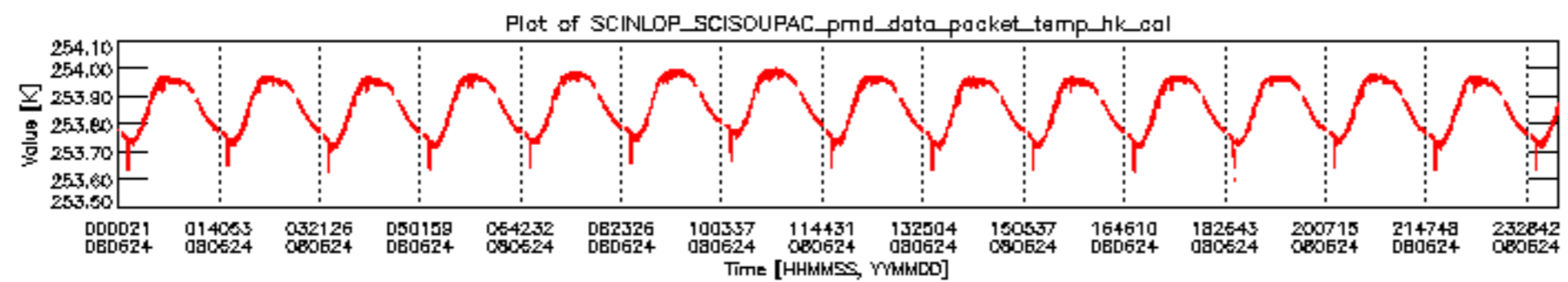
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20080624\_8.PNG

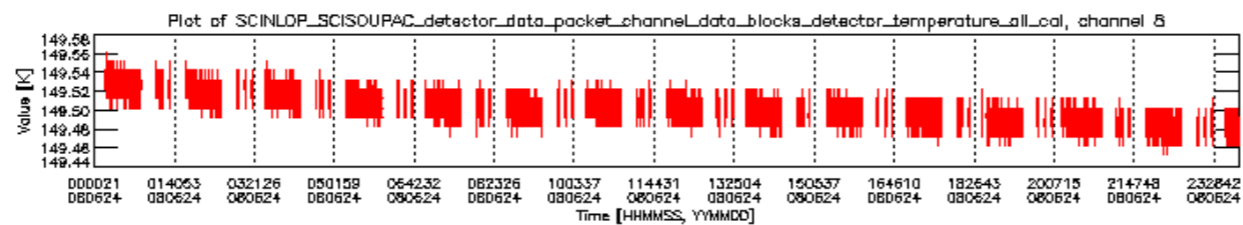
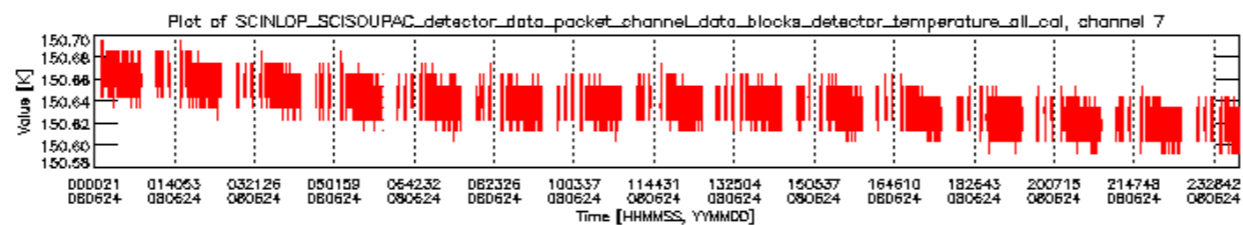
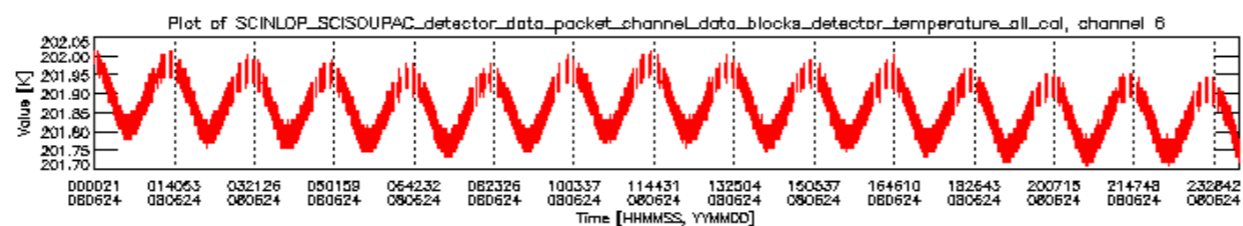
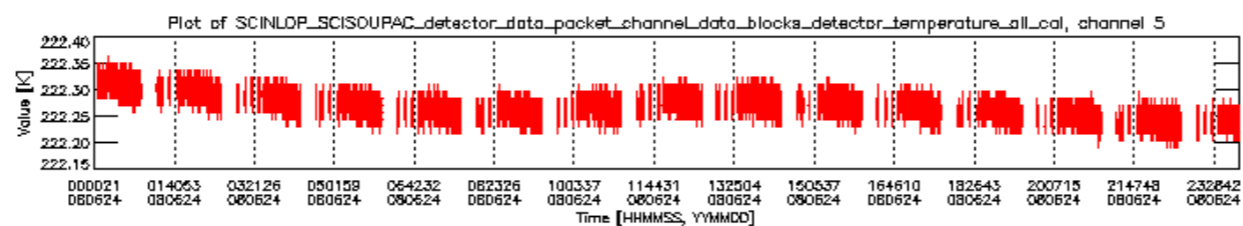
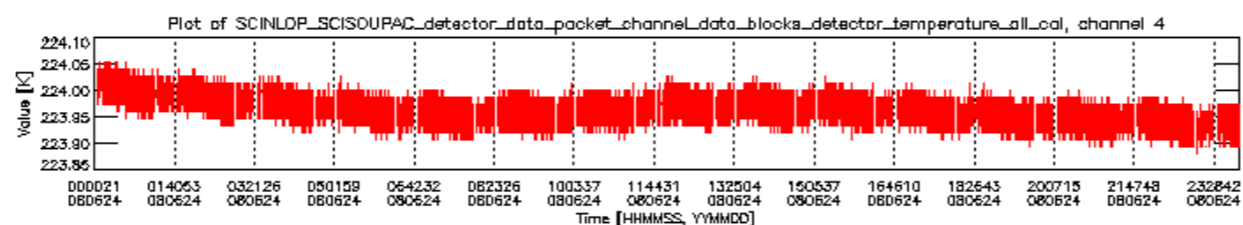
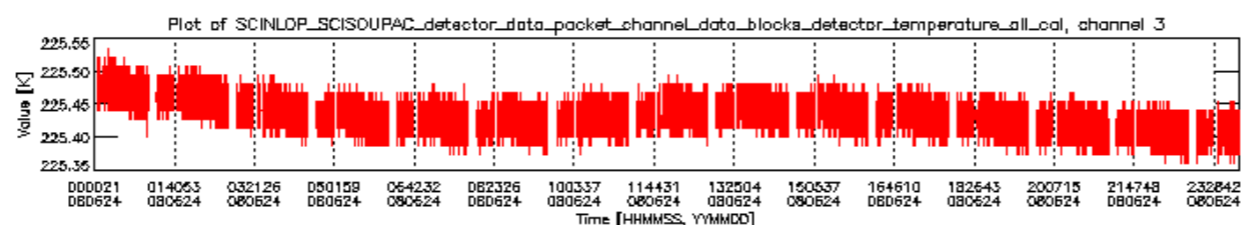
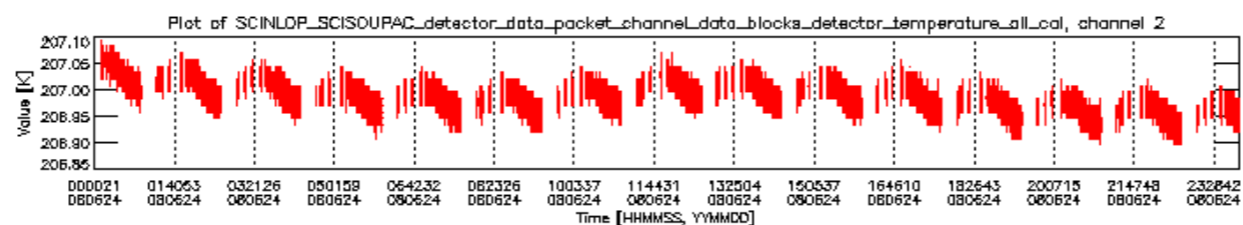
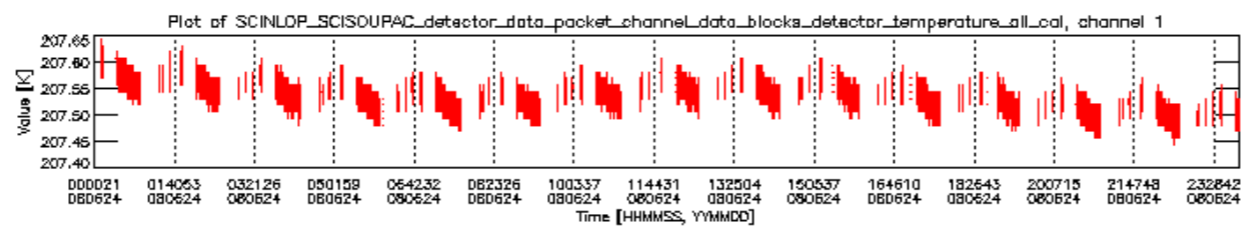














Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 24JUN2008.  
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