

## 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	28MAR2009 05:53:17
Data source version	KSPT_L0/4303-N
Processing scope for products	26MAR2009 00:00:00 to 27MAR2009 00:00:00
Start time of first product within scope	25MAR2009 23:04:04
Stop time of last product within scope	27MAR2009 00:15:06
Total number of level 0 products	16
Number of level 0 products with errors	0

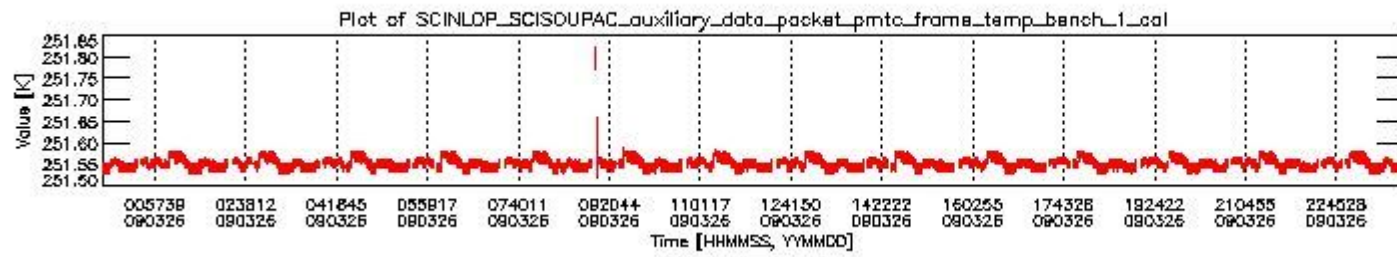
### 0.1.2 Summary per product

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

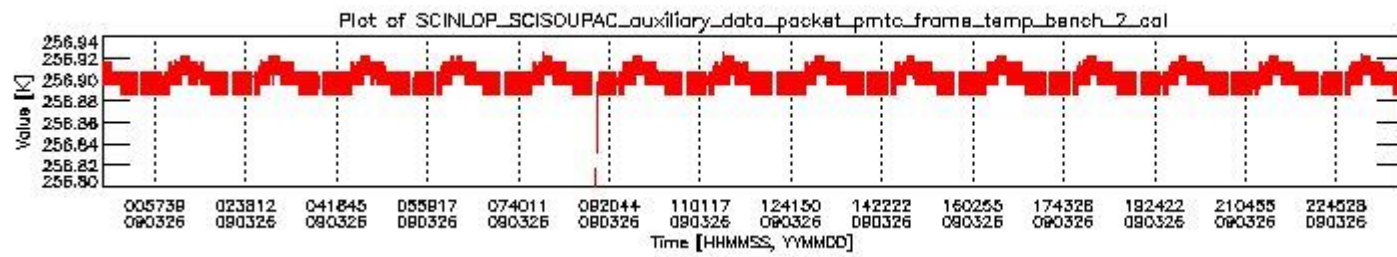
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090325_230404_000062012077_00330_36957_8821.N1	25MAR2009 23:04:04	26MAR2009 00:47:25	0	0	0	0	0
1	SCI_NL__OPNPDE20090326_004651_000053702077_00331_36958_8822.N1	26MAR2009 00:46:51	26MAR2009 02:16:21	0	0	0	0	0
2	SCI_NL__OPNPDE20090326_022300_000045222077_00332_36959_8823.N1	26MAR2009 02:23:00	26MAR2009 03:38:22	0	0	0	0	0
3	SCI_NL__OPNPDE20090326_033726_000061472077_00333_36960_8824.N1	26MAR2009 03:37:26	26MAR2009 05:19:53	0	0	0	0	0
4	SCI_NL__OPNPDE20090326_051857_000061042077_00334_36961_8825.N1	26MAR2009 05:18:57	26MAR2009 07:00:42	0	0	0	0	0
5	SCI_NL__OPNPDK20090326_065933_000041002077_00335_36962_1060.N1	26MAR2009 06:59:33	26MAR2009 08:07:54	0	0	0	0	0
6	SCI_NL__OPNPDK20090326_080754_000061042077_00336_36963_1061.N1	26MAR2009 08:07:54	26MAR2009 09:49:38	0	0	0	0	0
7	SCI_NL__OPNPDK20090326_094842_000059672077_00337_36964_1062.N1	26MAR2009 09:48:42	26MAR2009 11:28:08	0	0	0	0	0
8	SCI_NL__OPNPDK20090326_112808_000059802077_00338_36965_1063.N1	26MAR2009 11:28:08	26MAR2009 13:07:48	0	0	0	0	0
9	SCI_NL__OPNPDK20090326_130639_000060352077_00339_36966_1064.N1	26MAR2009 13:06:39	26MAR2009 14:47:15	0	0	0	0	0
10	SCI_NL__OPNPDK20090326_144511_000057872077_00340_36967_1065.N1	26MAR2009 14:45:11	26MAR2009 16:21:37	0	0	0	0	0
11	SCI_NL__OPNPDK20090326_162041_000061142077_00341_36968_1066.N1	26MAR2009 16:20:41	26MAR2009 18:02:36	0	0	0	0	0
12	SCI_NL__OPNPDK20090326_180044_000059802077_00342_36969_1067.N1	26MAR2009 18:00:44	26MAR2009 19:40:23	0	0	0	0	0
13	SCI_NL__OPNPDE20090326_193943_000038242077_00343_36970_8826.N1	26MAR2009 19:39:43	26MAR2009 20:43:27	0	0	0	0	0
14	SCI_NL__OPNPDE20090326_204929_000062872077_00343_36970_8827.N1	26MAR2009 20:49:29	26MAR2009 22:34:16	0	0	0	0	0
15	SCI_NL__OPNPDE20090326_223252_000061342077_00344_36971_8828.N1	26MAR2009 22:32:52	27MAR2009 00:15:06	0	0	0	0	0

## 0.2 Product Quality Indicators

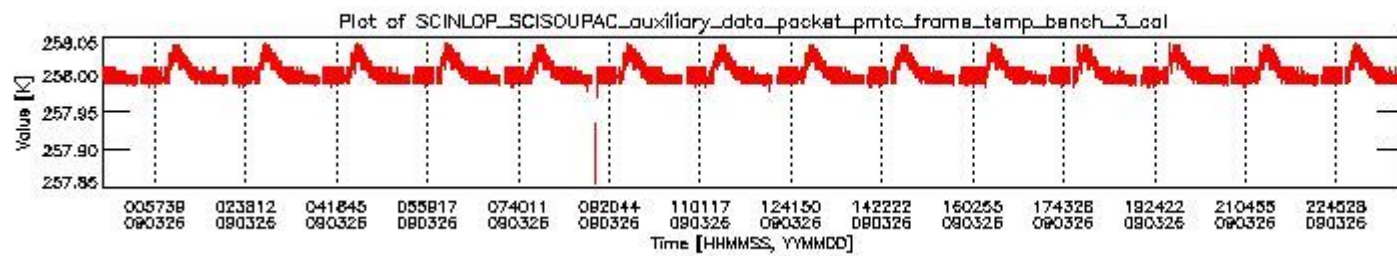
This section shows information about product quality, currently temperatures.



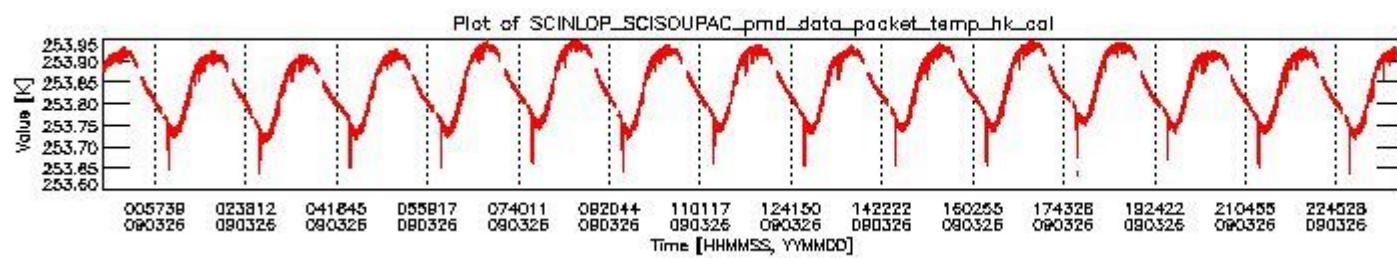
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_0.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_1.PNG

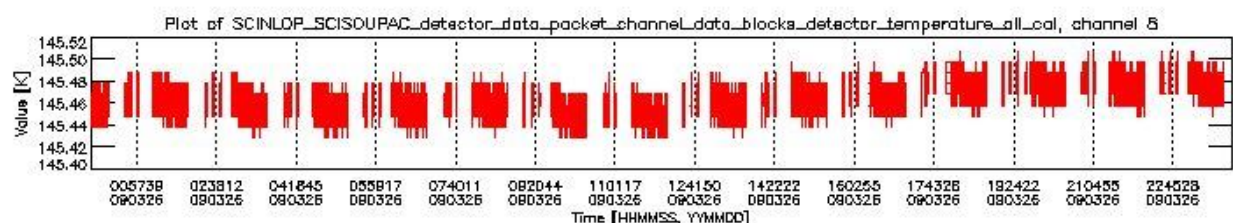
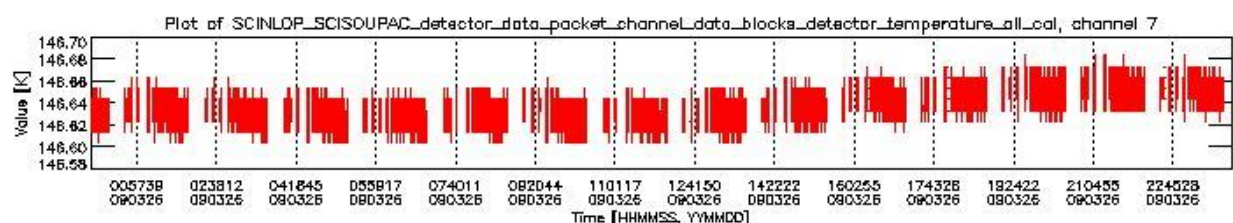
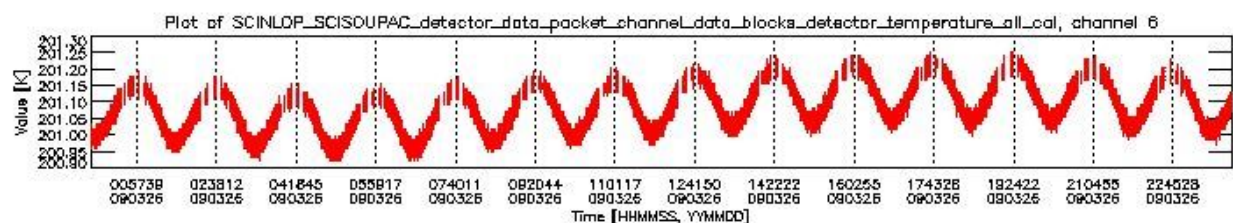
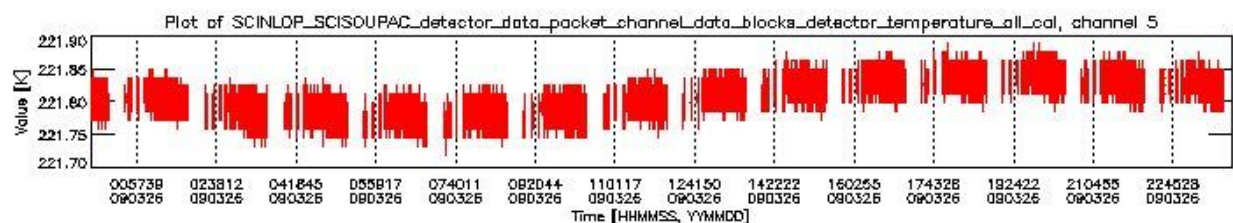
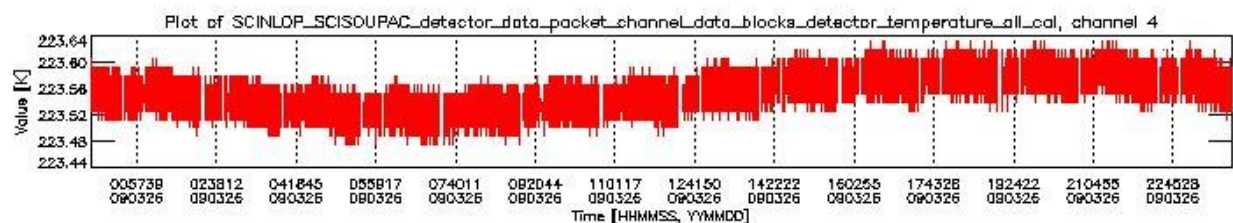
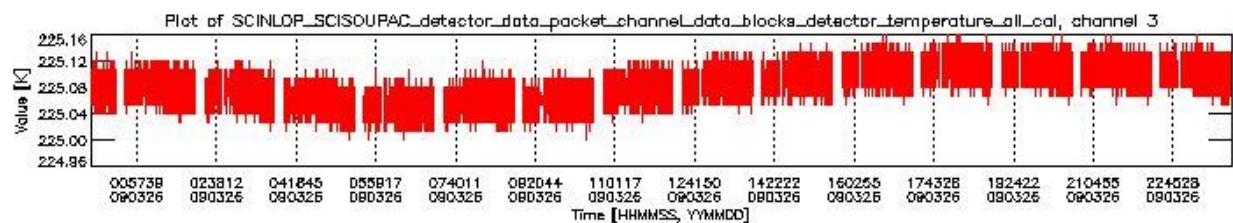
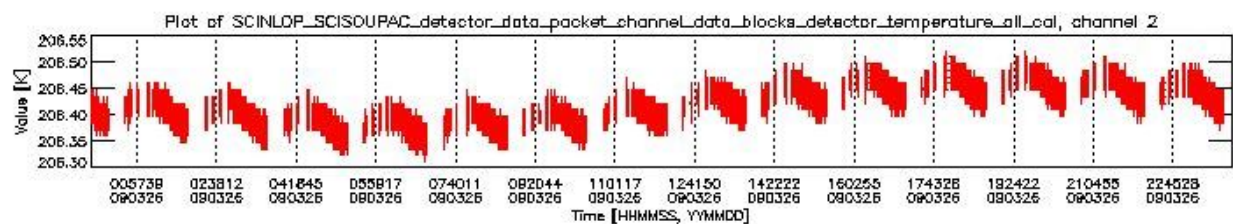
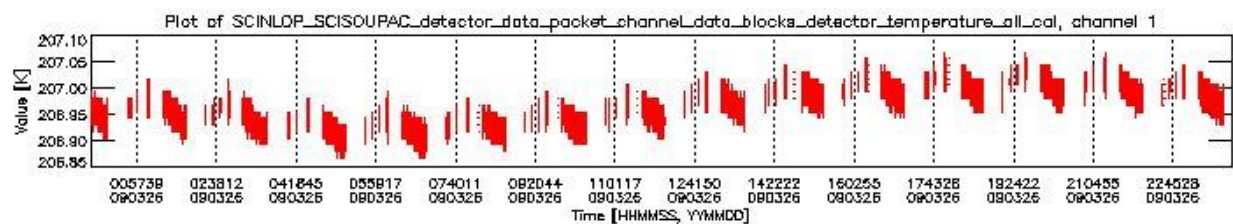


sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_2.PNG



sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_3.PNG



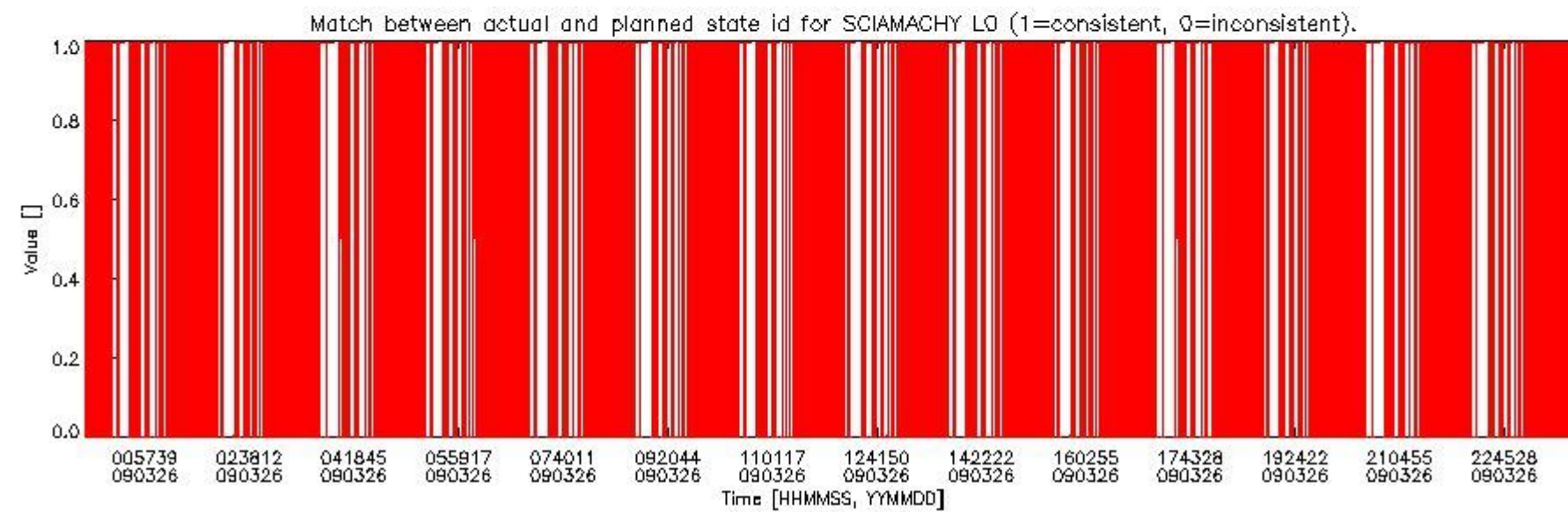
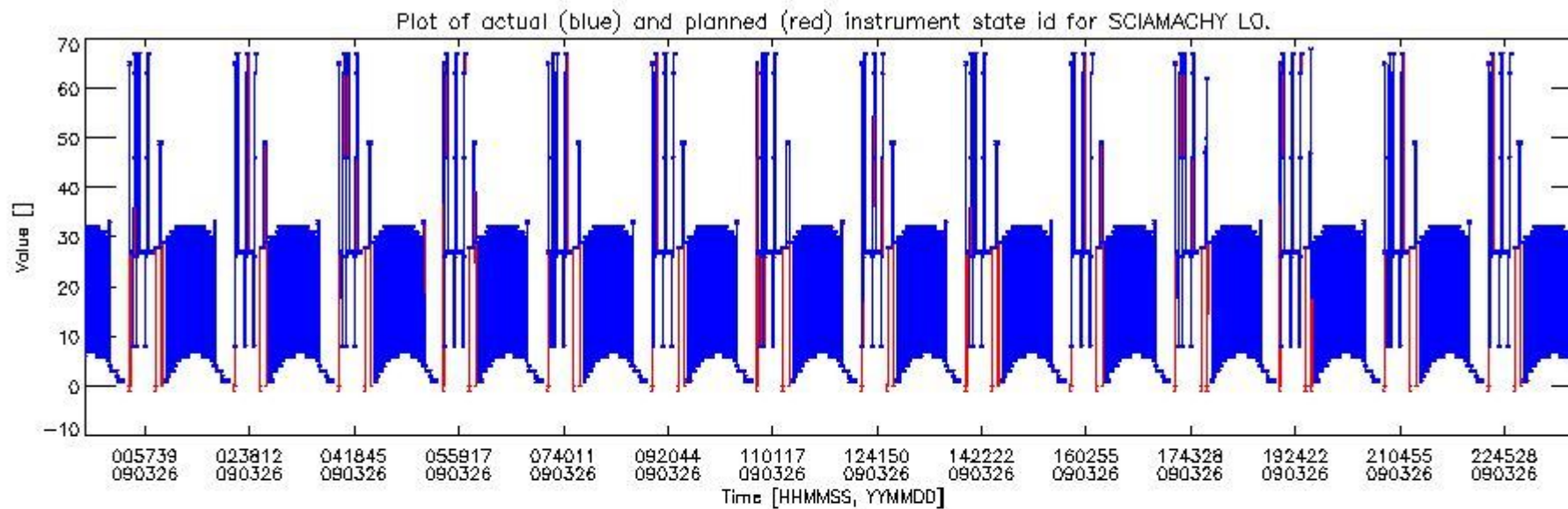


### 0.3 State monitoring

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: **53290**

#	Actual time	Actual value	Planned time	Planned value
0	26MAR2009 00:00:36.117849	7	26MAR2009 00:00:36.117849	32
1	26MAR2009 00:00:36.492862	7	26MAR2009 00:00:36.492862	32
2	26MAR2009 00:00:36.742830	7	26MAR2009 00:00:36.742830	32
3	26MAR2009 00:00:36.992839	7	26MAR2009 00:00:36.992839	32
4	26MAR2009 00:00:37.242848	7	26MAR2009 00:00:37.242848	32
5	26MAR2009 00:00:37.492856	7	26MAR2009 00:00:37.492856	32
6	26MAR2009 00:00:37.742825	7	26MAR2009 00:00:37.742825	32
7	26MAR2009 00:00:37.992834	7	26MAR2009 00:00:37.992834	32
8	26MAR2009 00:00:38.242842	7	26MAR2009 00:00:38.242842	32
9	26MAR2009 00:00:38.492851	7	26MAR2009 00:00:38.492851	32
10	26MAR2009 00:00:38.742860	7	26MAR2009 00:00:38.742860	32
11	26MAR2009 00:00:38.992828	7	26MAR2009 00:00:38.992828	32
12	26MAR2009 00:00:39.242837	7	26MAR2009 00:00:39.242837	32
13	26MAR2009 00:00:39.492846	7	26MAR2009 00:00:39.492846	32
14	26MAR2009 00:00:39.742854	7	26MAR2009 00:00:39.742854	32
15	26MAR2009 00:00:39.992863	7	26MAR2009 00:00:39.992863	32
16	26MAR2009 00:00:40.242831	7	26MAR2009 00:00:40.242831	32
17	26MAR2009 00:00:40.492840	7	26MAR2009 00:00:40.492840	32
18	26MAR2009 00:00:40.742849	7	26MAR2009 00:00:40.742849	32
19	26MAR2009 00:00:40.992858	7	26MAR2009 00:00:40.992858	32
...	...	...	...	...



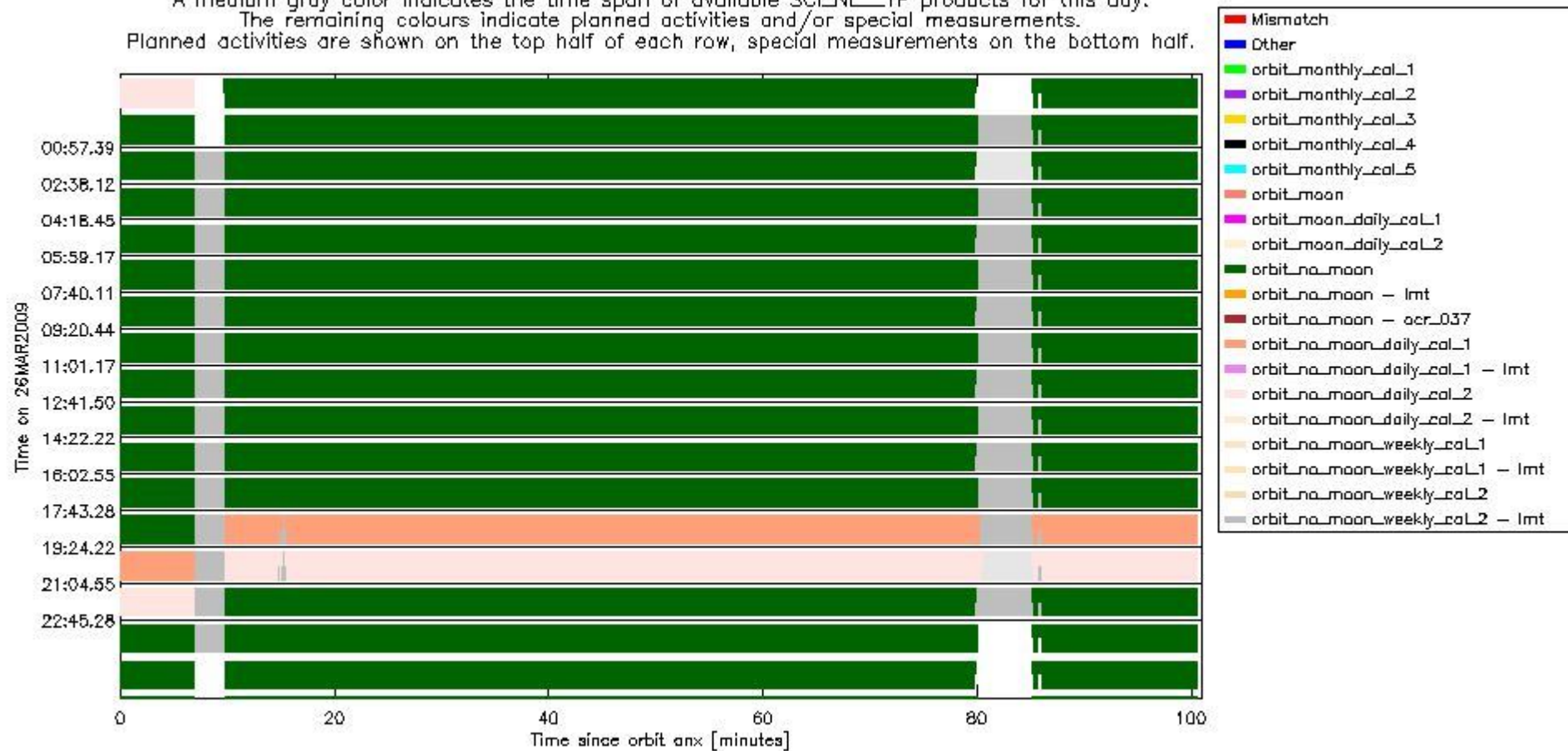
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_5.PNG

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 26MAR2009.  
 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\_20090326\_6.PNG

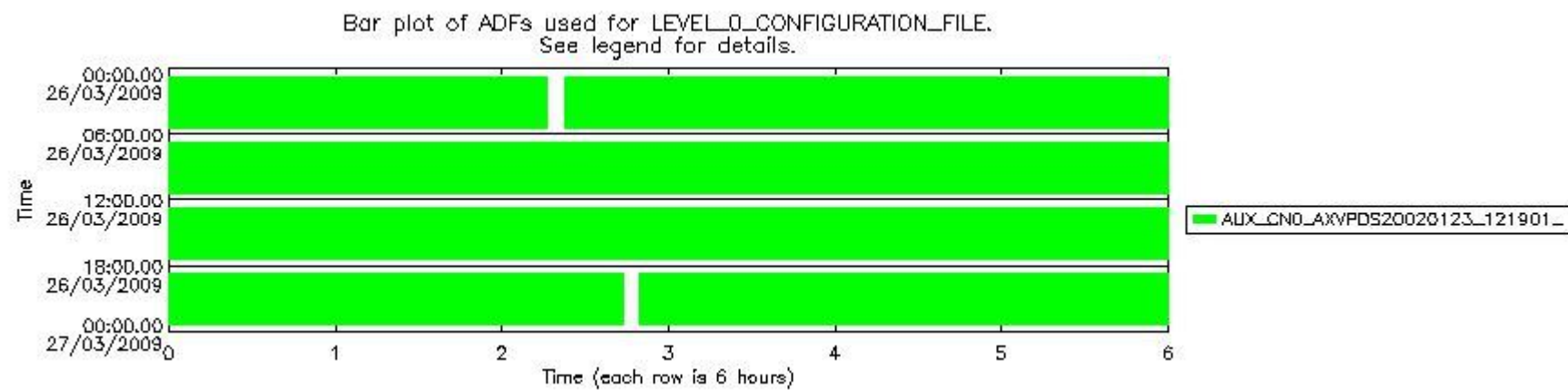
## 0.4 ADF monitoring

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

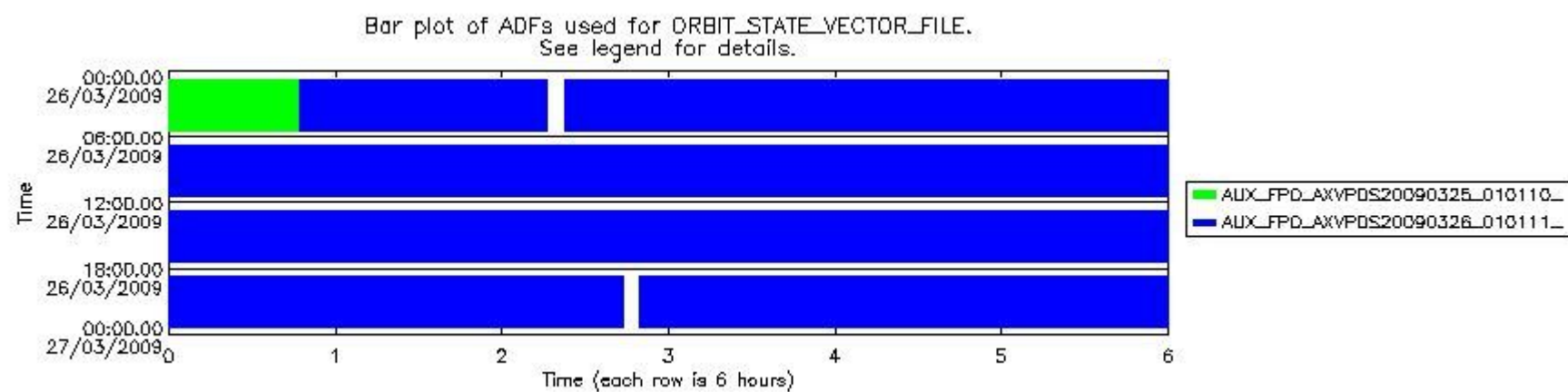
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

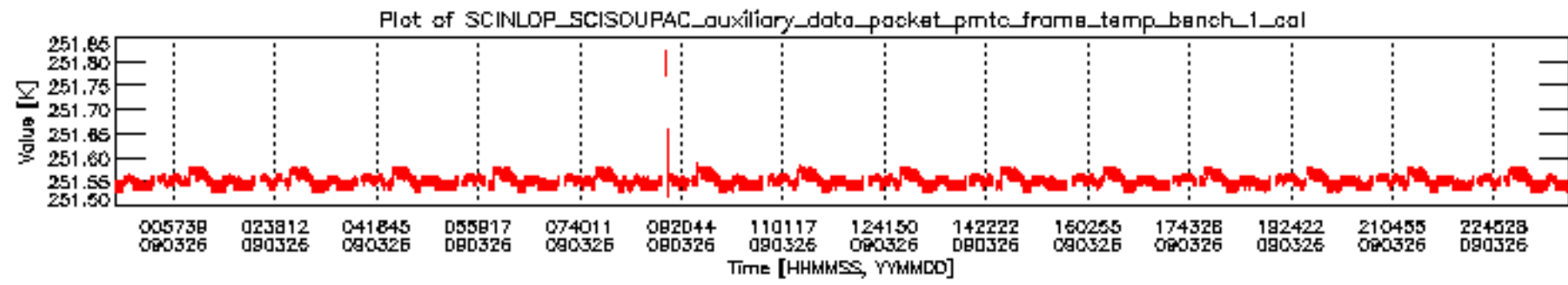
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20090325_010110_20090324_184652_20090403_201304
2	AUX_FPO_AXVPDS20090326_010111_20090325_195551_20090404_212203



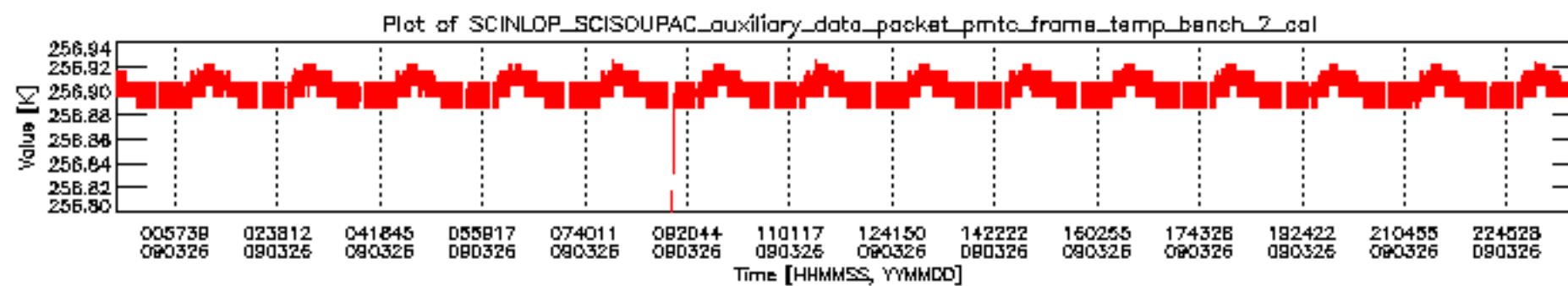
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_7.PNG

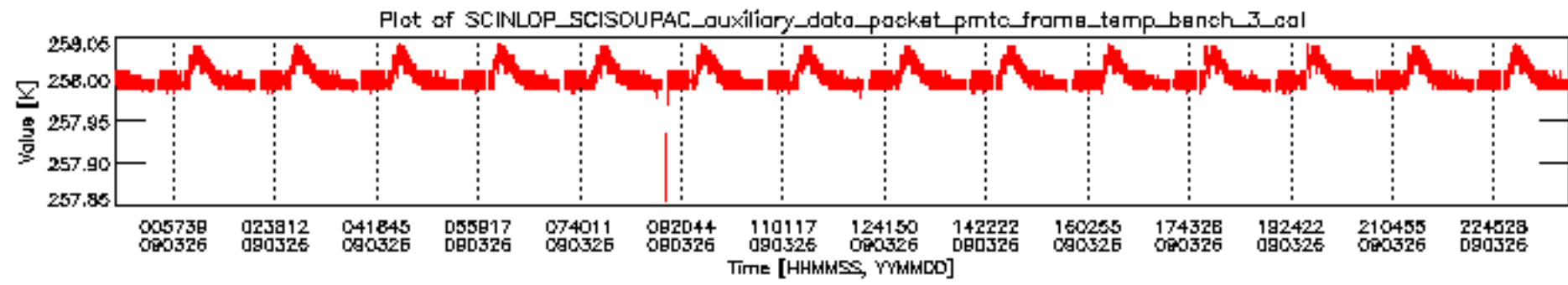


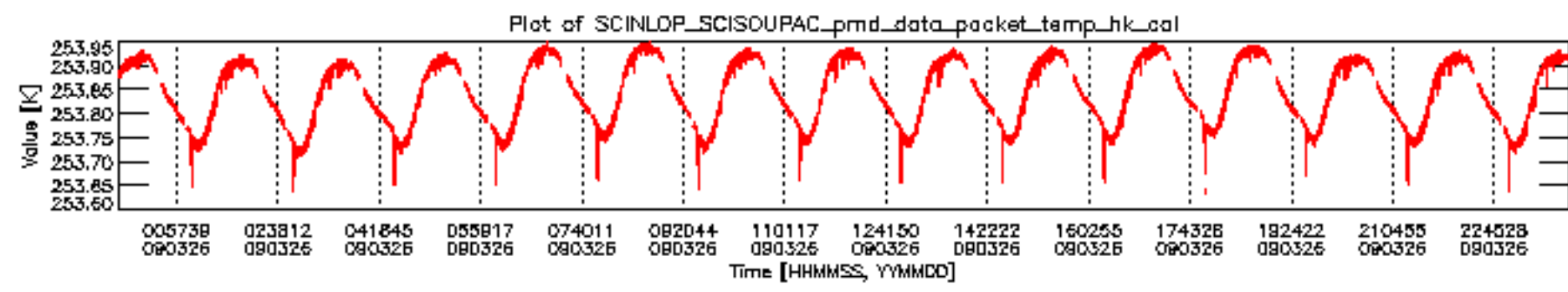
sciamachy\_daily\_report\_level0\_KSPT\_L0\_4303\_N\_20090326\_8.PNG

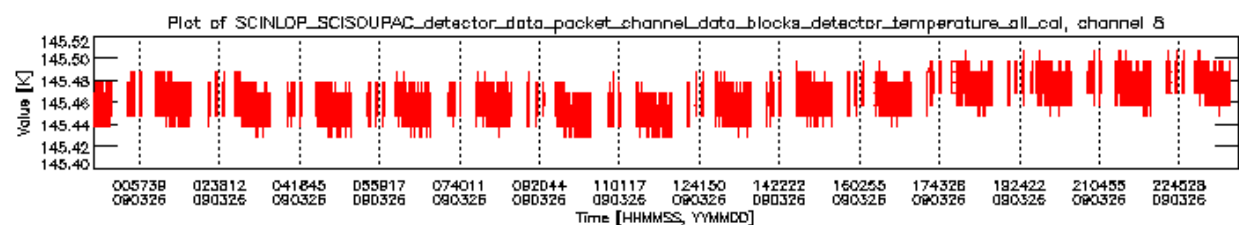
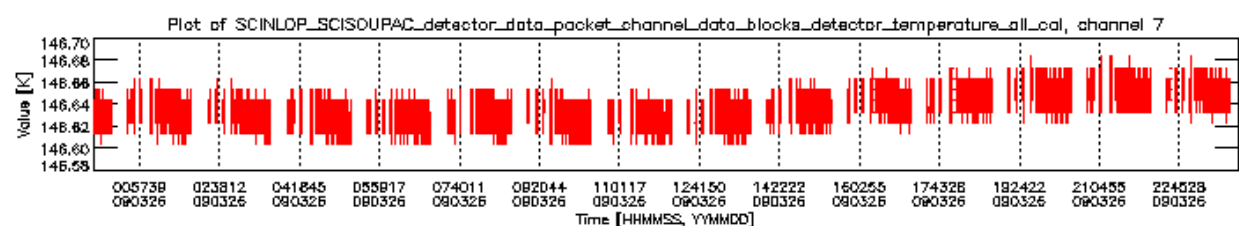
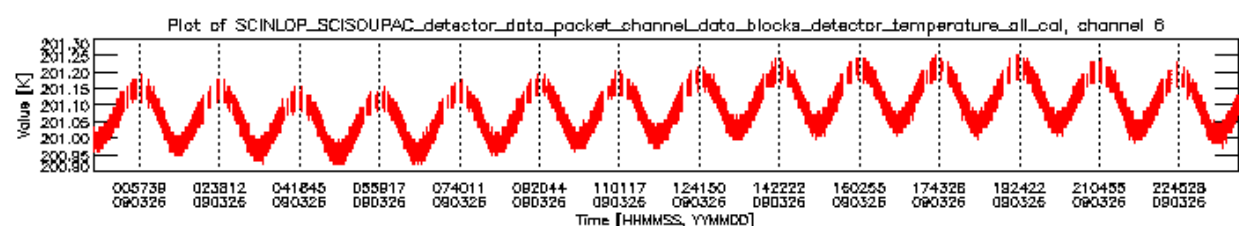
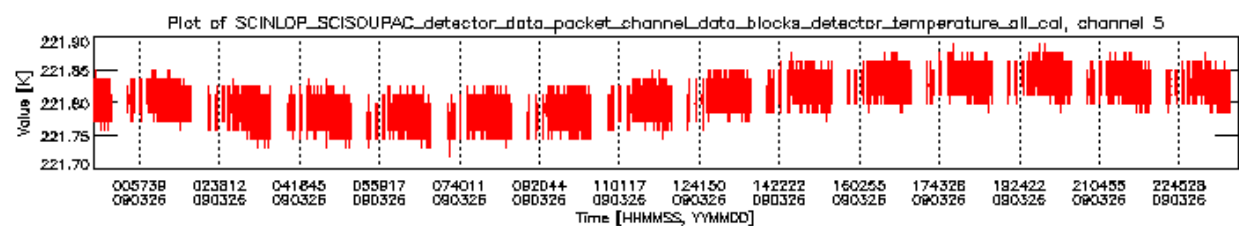
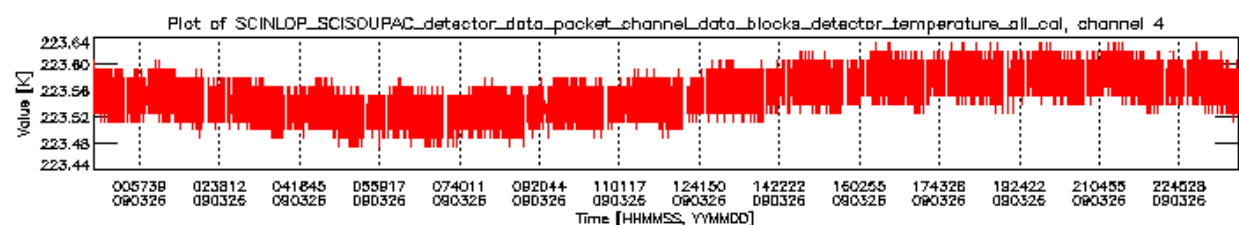
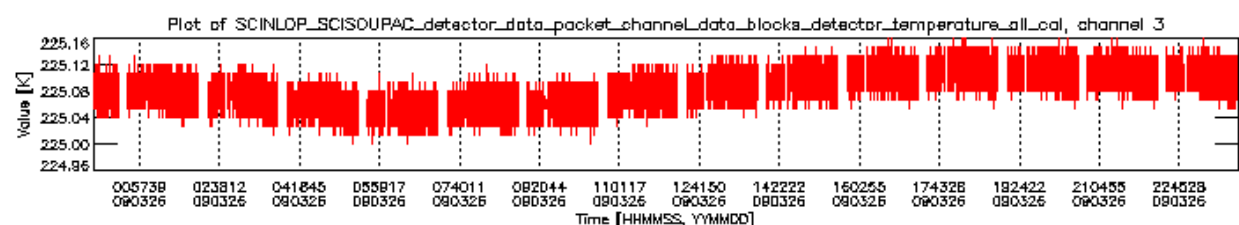
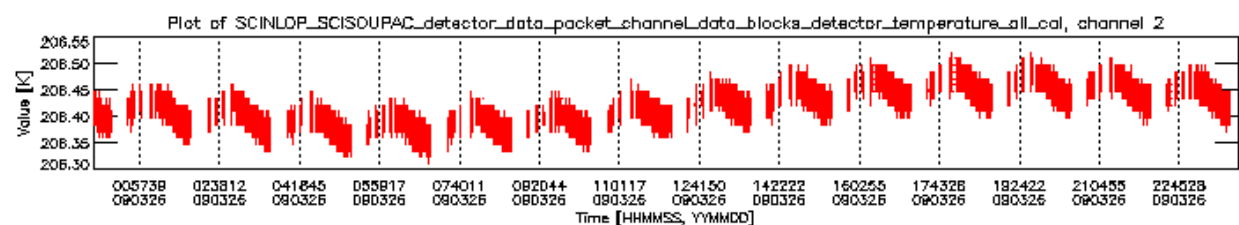
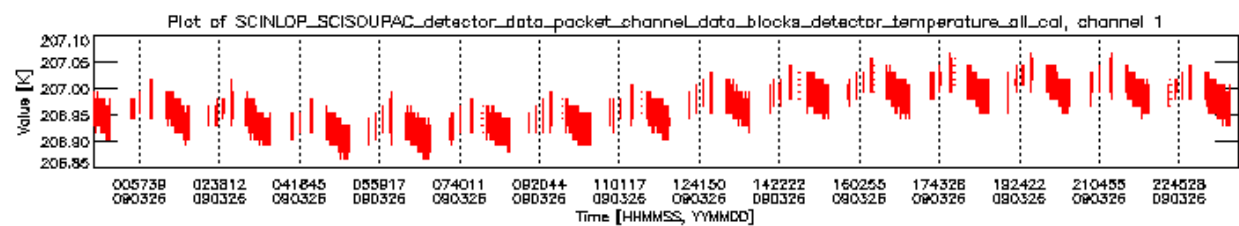
















Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
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