

## 0. SCIAMACHY Daily Report for level 0 products

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### [0.2 Product Quality Indicators](#)

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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	10SEP2006 03:38:26
Data source version	PFHS/5.37-N
Processing scope for products	06SEP2006 00:00:00 to 07SEP2006 00:00:00
Start time of first product within scope	05SEP2006 22:56:48
Stop time of last product within scope	07SEP2006 00:05:21
Total number of level 0 products	16
Number of level 0 products with errors	16

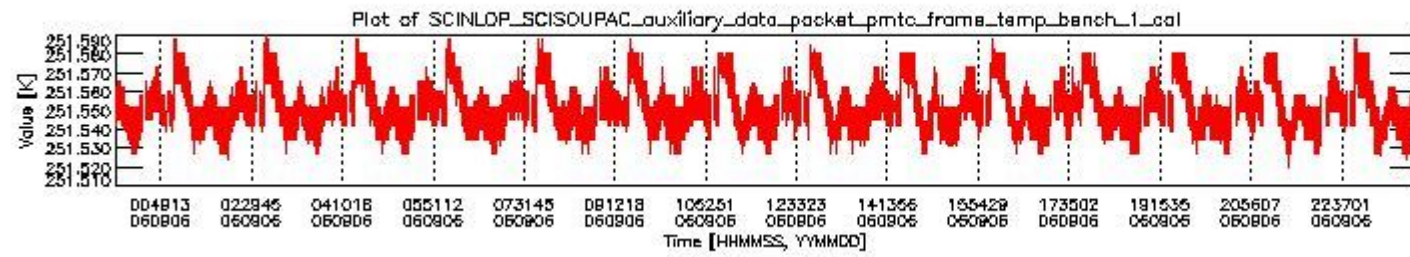
### 0.1.2 Summary per product

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

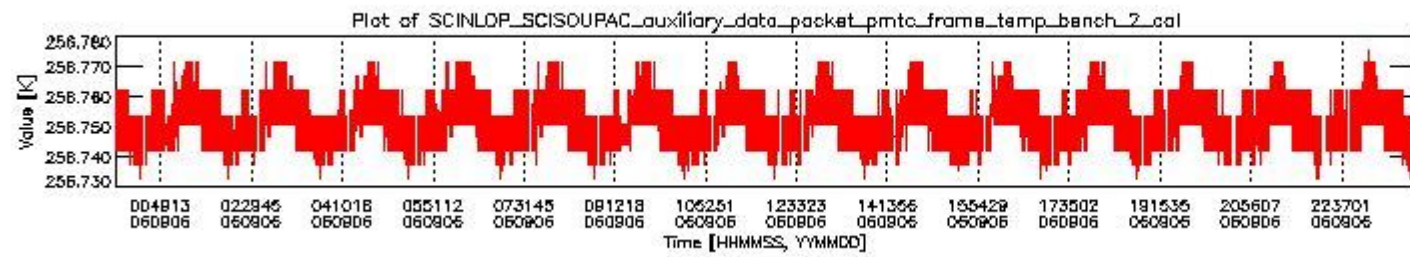
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060905_225648_000060312051_00015_23616_0532.N1	05SEP2006 22:56:48	06SEP2006 00:37:20	1	0	1	0	0
1	SCI_NL__OPNPDE20060906_003512_000059122051_00016_23617_0533.N1	06SEP2006 00:35:12	06SEP2006 02:13:44	1	0	1	0	0
2	SCI_NL__OPNPDE20060906_021300_000046102051_00017_23618_0534.N1	06SEP2006 02:13:00	06SEP2006 03:29:51	1	0	1	0	0
3	SCI_NL__OPNPDE20060906_032855_000060922051_00018_23619_0535.N1	06SEP2006 03:28:55	06SEP2006 05:10:28	1	0	1	0	0
4	SCI_NL__OPNPDE20060906_051028_000061092051_00019_23620_0536.N1	06SEP2006 05:10:28	06SEP2006 06:52:17	1	0	1	0	0
5	SCI_NL__OPNPDK20060906_065217_000040412051_00020_23621_0647.N1	06SEP2006 06:52:17	06SEP2006 07:59:38	1	0	1	0	0
6	SCI_NL__OPNPDK20060906_075830_000062292051_00021_23622_0648.N1	06SEP2006 07:58:30	06SEP2006 09:42:19	1	0	1	0	0
7	SCI_NL__OPNPDK20060906_094111_000059802051_00022_23623_0649.N1	06SEP2006 09:41:11	06SEP2006 11:20:51	1	0	1	0	0
8	SCI_NL__OPNPDK20060906_112051_000059672051_00023_23624_0650.N1	06SEP2006 11:20:51	06SEP2006 13:00:19	1	0	1	0	0
9	SCI_NL__OPNPDK20060906_125923_000059672051_00024_23625_0651.N1	06SEP2006 12:59:23	06SEP2006 14:38:51	1	0	1	0	0
10	SCI_NL__OPNPDK20060906_143851_000058562051_00025_23626_0652.N1	06SEP2006 14:38:51	06SEP2006 16:16:27	1	0	1	0	0
11	SCI_NL__OPNPDK20060906_161518_000058762051_00026_23627_0653.N1	06SEP2006 16:15:18	06SEP2006 17:53:15	1	0	1	0	0
12	SCI_NL__OPNPDK20060906_175315_000060372051_00027_23628_0654.N1	06SEP2006 17:53:15	06SEP2006 19:33:52	1	0	1	0	0
13	SCI_NL__OPNPDK20060906_193235_000061132051_00028_23629_0656.N1	06SEP2006 19:32:35	06SEP2006 21:14:29	1	0	1	0	0
14	SCI_NL__OPNPDE20060906_211312_000041932051_00029_23630_0537.N1	06SEP2006 21:13:12	06SEP2006 22:23:06	1	0	1	0	0
15	SCI_NL__OPNPDE20060906_222232_000061682051_00029_23630_0538.N1	06SEP2006 22:22:32	07SEP2006 00:05:21	1	0	1	0	0

## 0.2 Product Quality Indicators

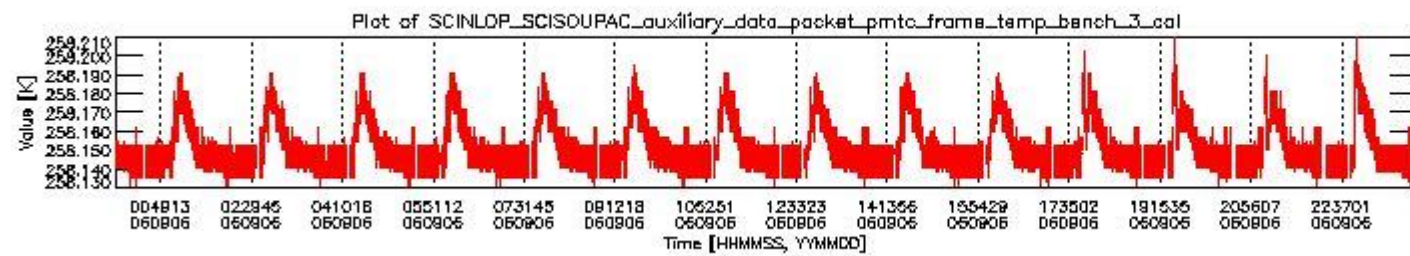
This section shows information about product quality, currently temperatures.



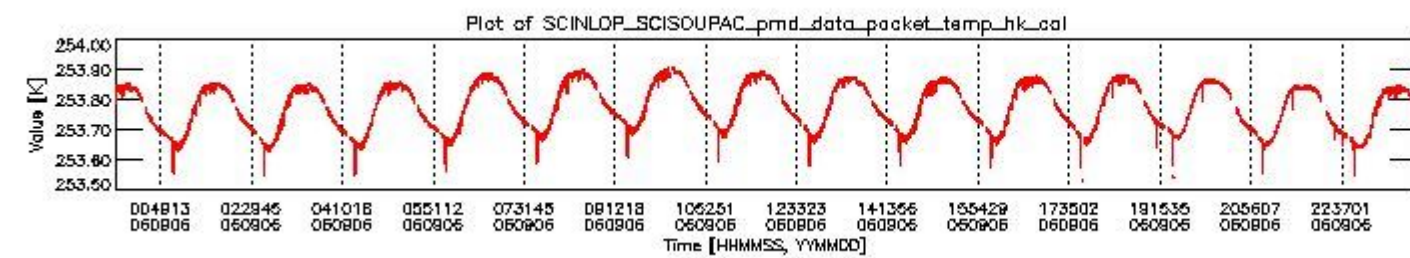
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_0.PNG



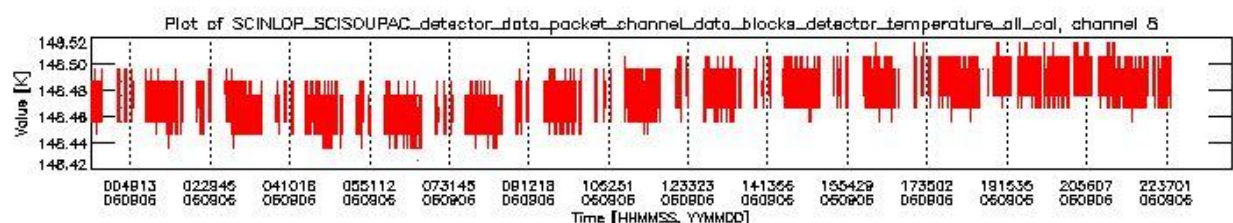
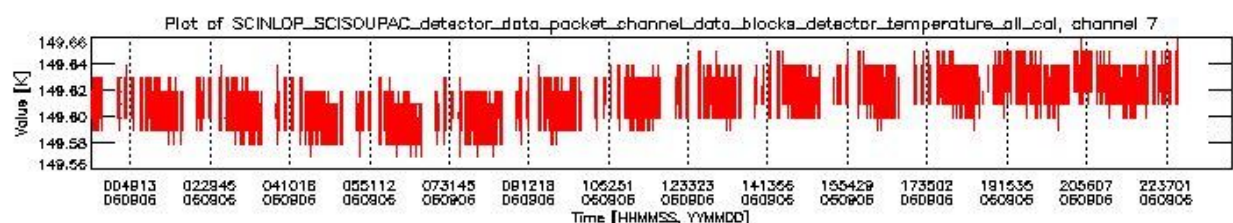
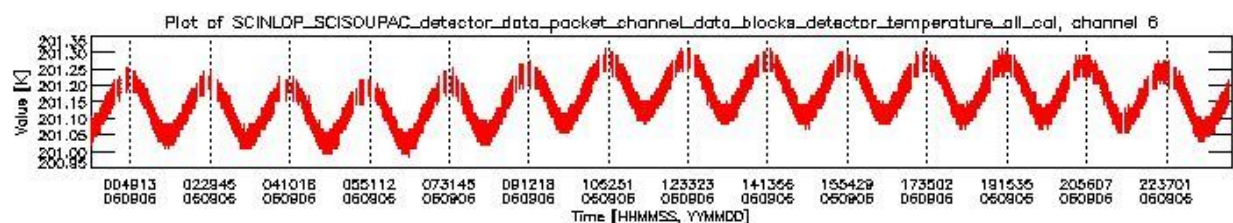
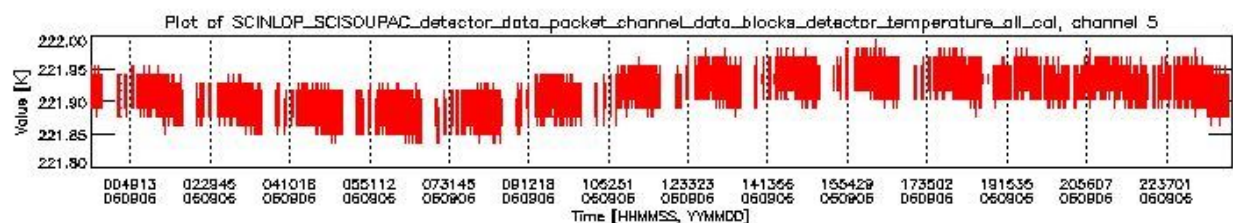
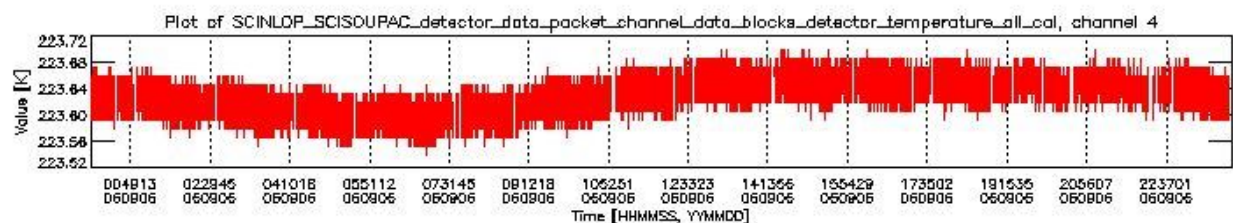
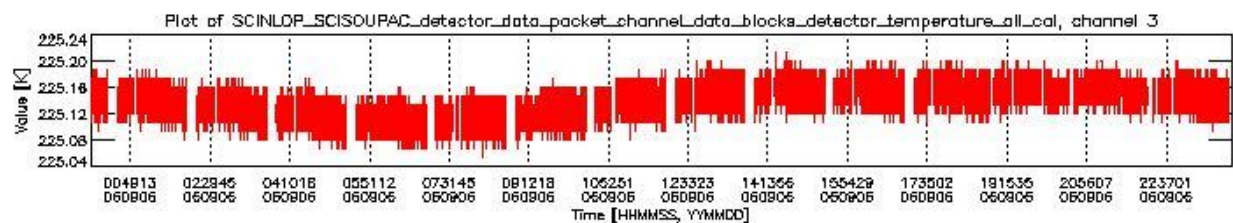
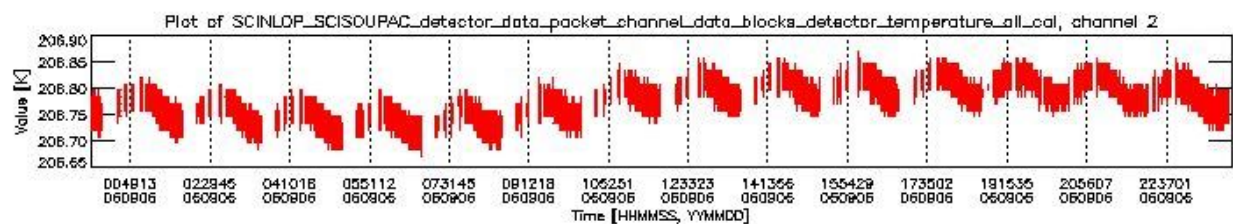
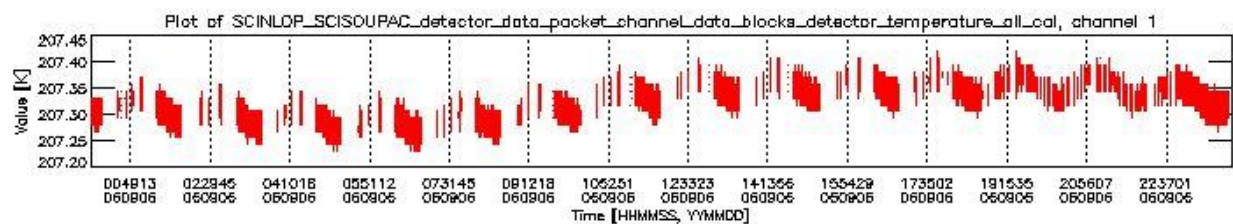
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sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_3.PNG

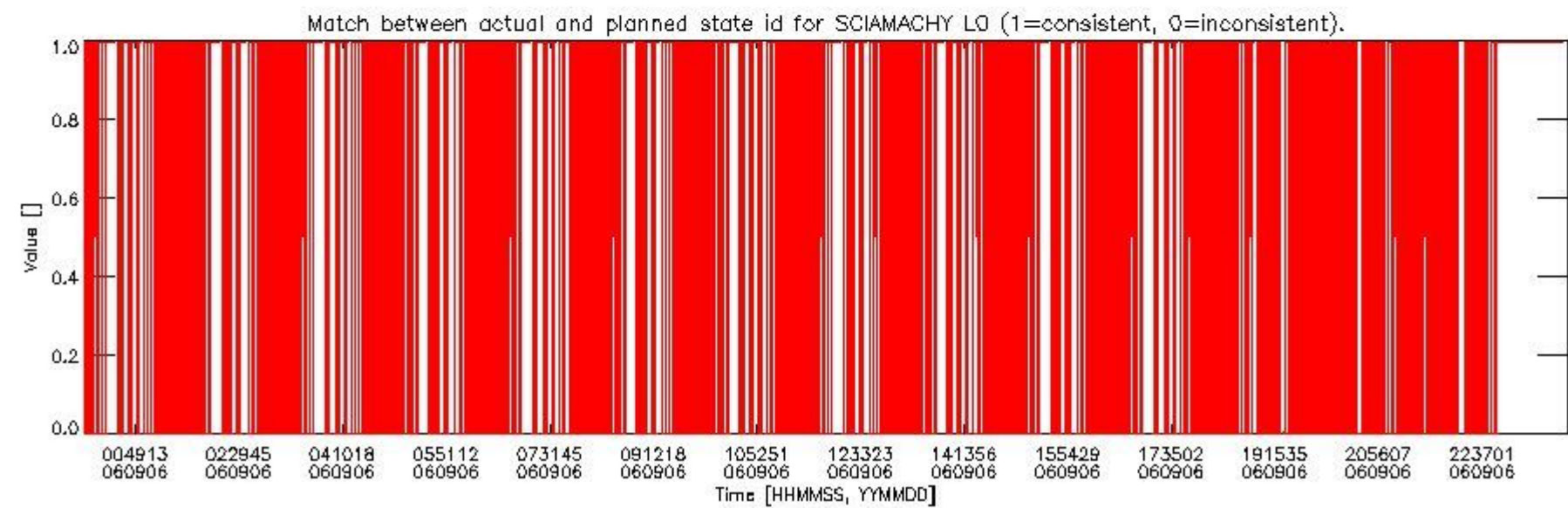
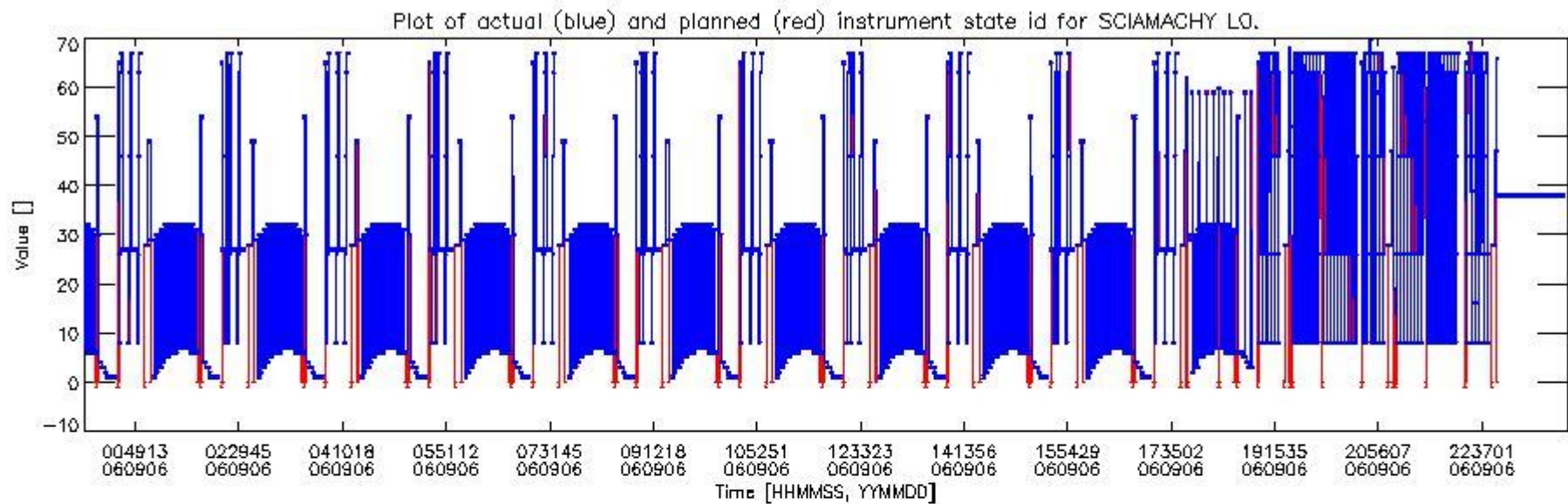


### 0.3 State monitoring

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: **10837**

#	Actual time	Actual value	Planned time	Planned value
0	06SEP2006 00:00:21.349472	7	06SEP2006 00:00:21.349472	32
1	06SEP2006 00:00:21.724445	7	06SEP2006 00:00:21.724445	32
2	06SEP2006 00:00:21.974453	7	06SEP2006 00:00:21.974453	32
3	06SEP2006 00:00:22.224462	7	06SEP2006 00:00:22.224462	32
4	06SEP2006 00:00:22.474471	7	06SEP2006 00:00:22.474471	32
5	06SEP2006 00:00:22.724479	7	06SEP2006 00:00:22.724479	32
6	06SEP2006 00:00:22.974448	7	06SEP2006 00:00:22.974448	32
7	06SEP2006 00:00:23.224457	7	06SEP2006 00:00:23.224457	32
8	06SEP2006 00:00:23.474465	7	06SEP2006 00:00:23.474465	32
9	06SEP2006 00:00:23.724474	7	06SEP2006 00:00:23.724474	32
10	06SEP2006 00:01:29.908062	32	06SEP2006 00:01:29.908062	7
11	06SEP2006 00:01:30.533043	32	06SEP2006 00:01:30.533043	7
12	06SEP2006 00:01:30.908056	32	06SEP2006 00:01:30.908056	7
13	06SEP2006 00:01:31.283070	32	06SEP2006 00:01:31.283070	7
14	06SEP2006 00:01:31.845569	32	06SEP2006 00:01:31.845569	7
15	06SEP2006 00:01:32.220542	32	06SEP2006 00:01:32.220542	7
16	06SEP2006 00:02:25.779133	6	06SEP2006 00:02:25.779133	32
17	06SEP2006 00:02:26.154146	6	06SEP2006 00:02:26.154146	32
18	06SEP2006 00:02:26.404155	6	06SEP2006 00:02:26.404155	32
19	06SEP2006 00:02:26.654163	6	06SEP2006 00:02:26.654163	32
	...	...	...	...

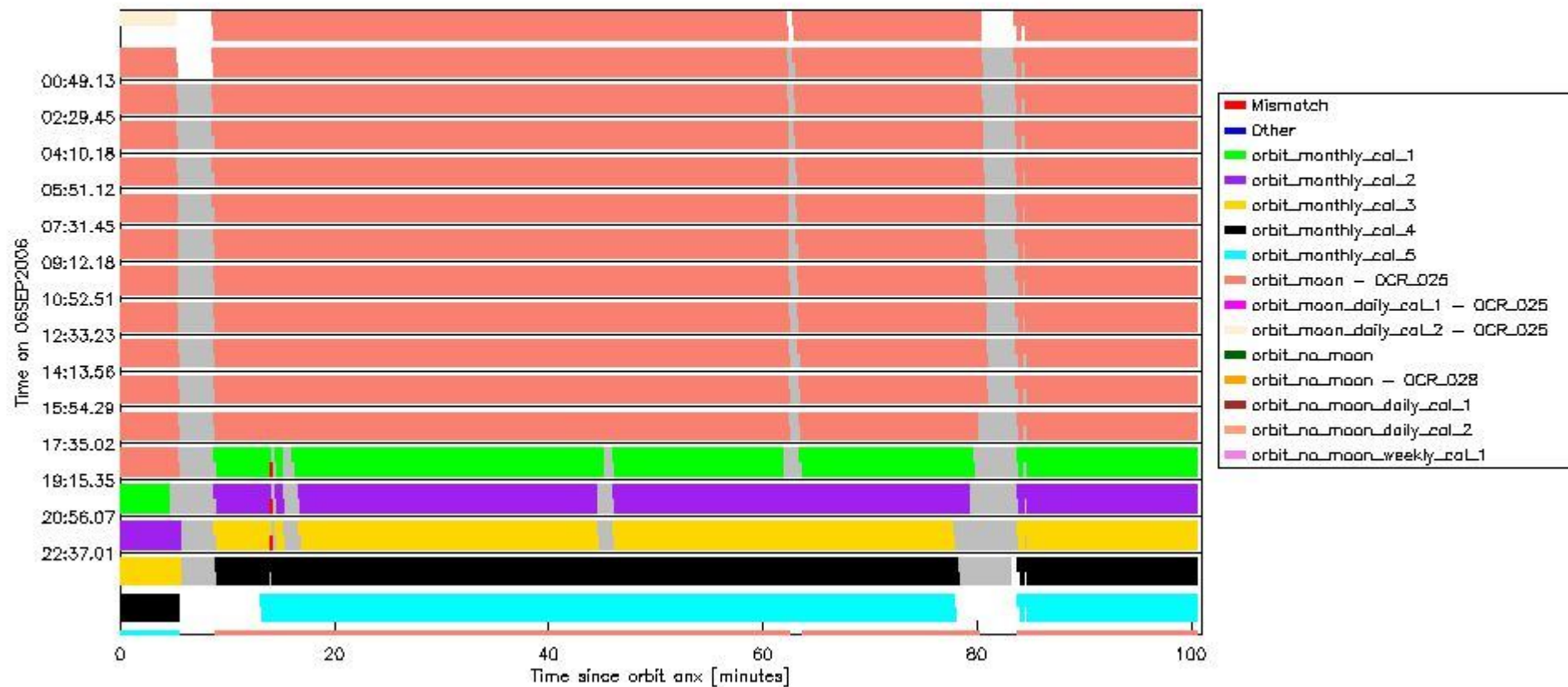


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_5.PNG

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 06SEP2006.  
 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\_PFH5\_5\_37\_N\_20060906\_6.PNG

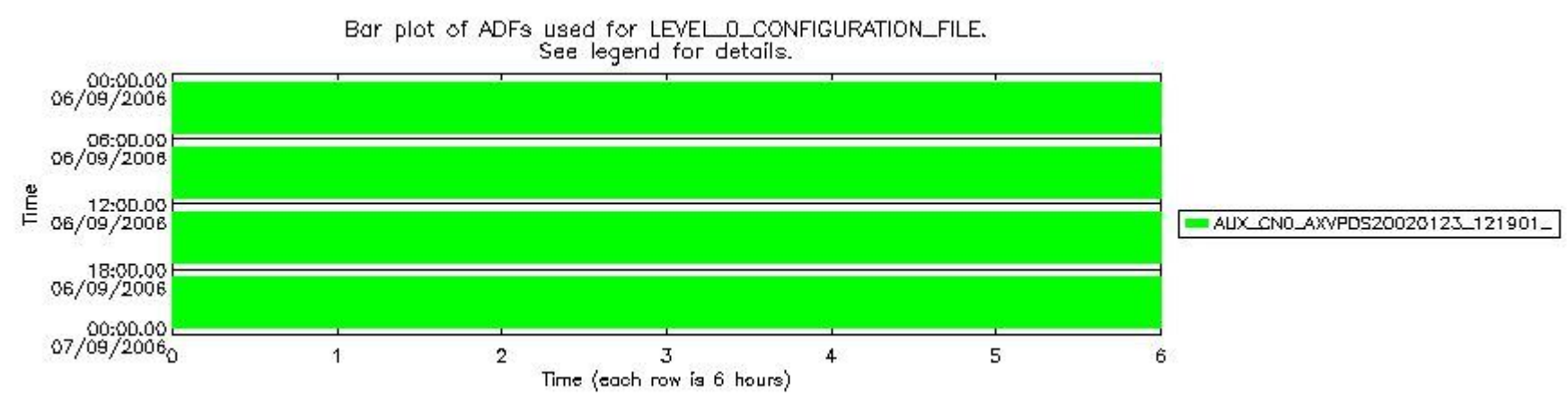
## 0.4 ADF monitoring

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

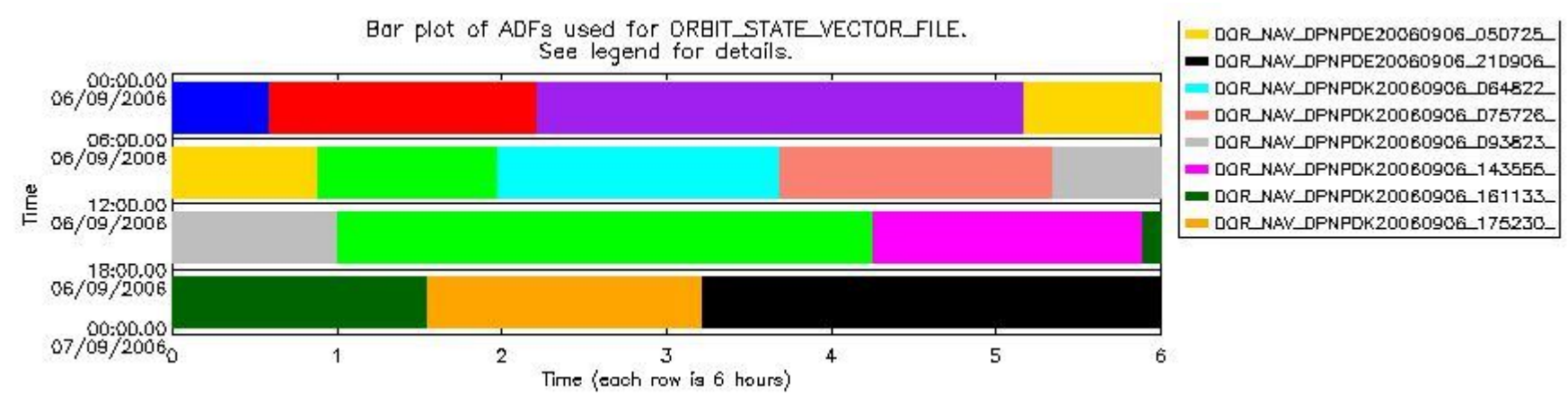
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

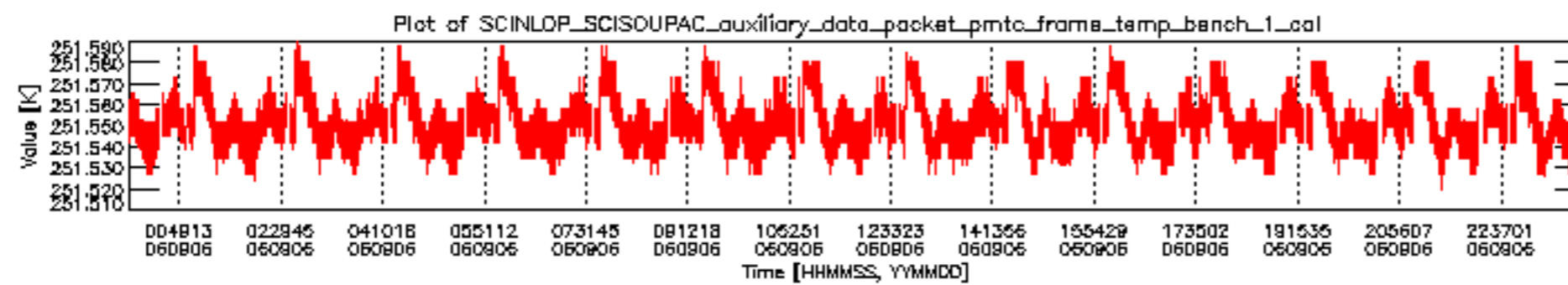
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060905_225706_20060905_194723_20060915_211334
2	DOR_NAV_OPNPDE20060905_210914_000060572051_00014_23615_0500.N1
3	DOR_NAV_OPNPDE20060905_225530_000057382051_00015_23616_0501.N1
4	DOR_NAV_OPNPDE20060906_021205_000041442051_00017_23618_0503.N1
5	DOR_NAV_OPNPDE20060906_050725_000057382051_00019_23620_0505.N1
6	DOR_NAV_OPNPDE20060906_210906_000038252051_00029_23630_0506.N1
7	DOR_NAV_OPNPDK20060906_064822_000038252051_00020_23621_0654.N1
8	DOR_NAV_OPNPDK20060906_075726_000057382051_00021_23622_0655.N1
9	DOR_NAV_OPNPDK20060906_093823_000057382051_00022_23623_0656.N1
10	DOR_NAV_OPNPDK20060906_143555_000054192051_00025_23626_0659.N1
11	DOR_NAV_OPNPDK20060906_161133_000057382051_00026_23627_0660.N1
12	DOR_NAV_OPNPDK20060906_175230_000057382051_00027_23628_0661.N1



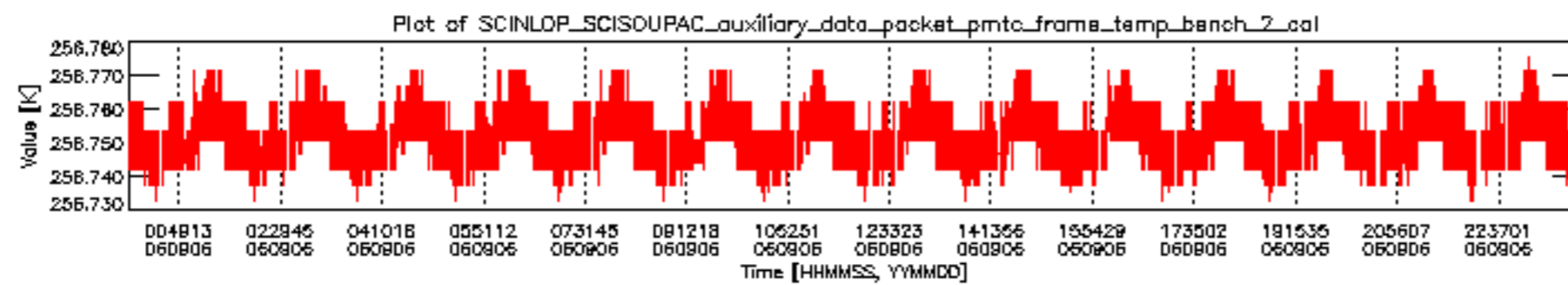
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_7.PNG

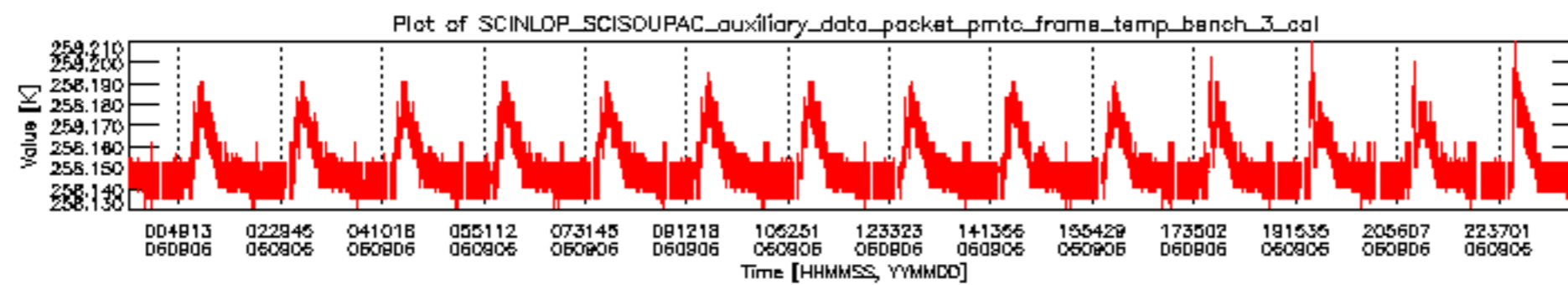


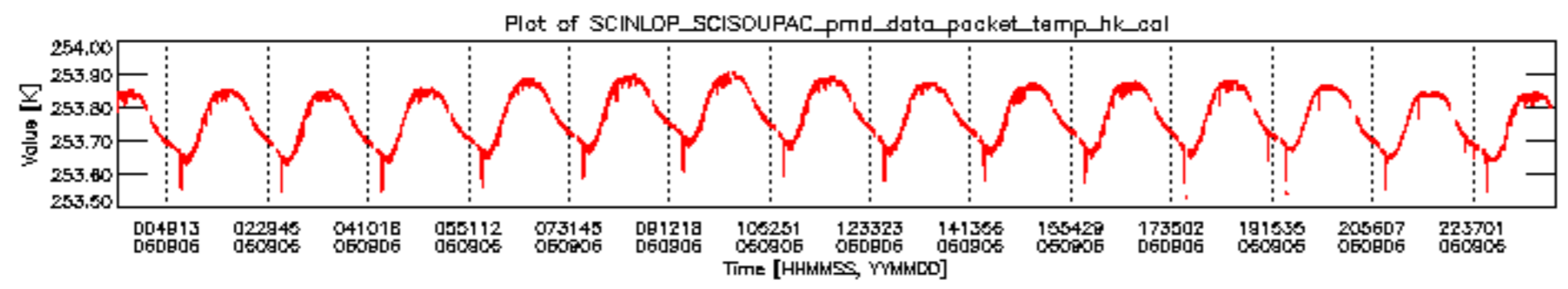
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060906\_8.PNG

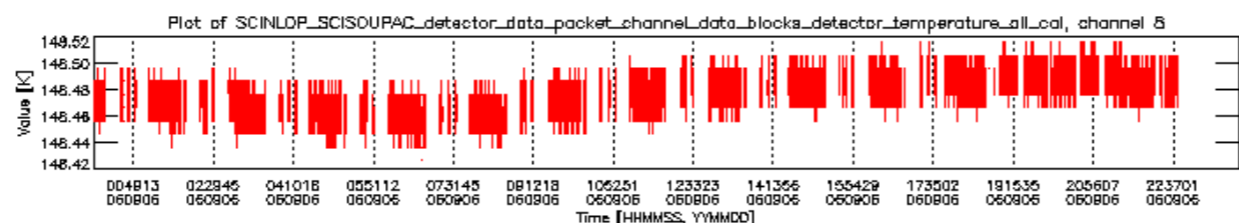
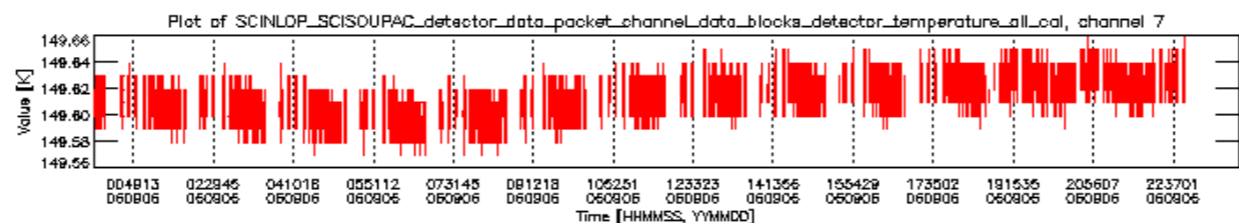
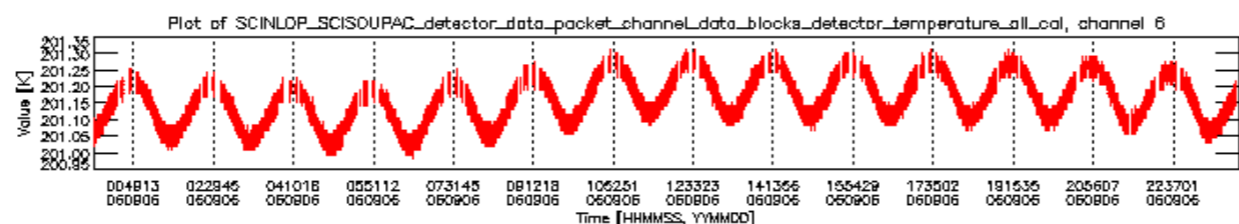
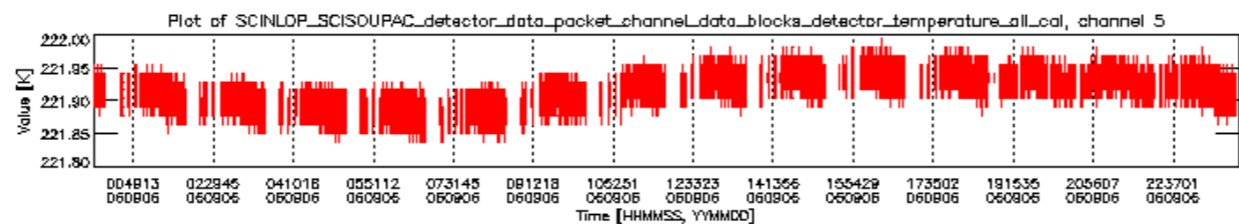
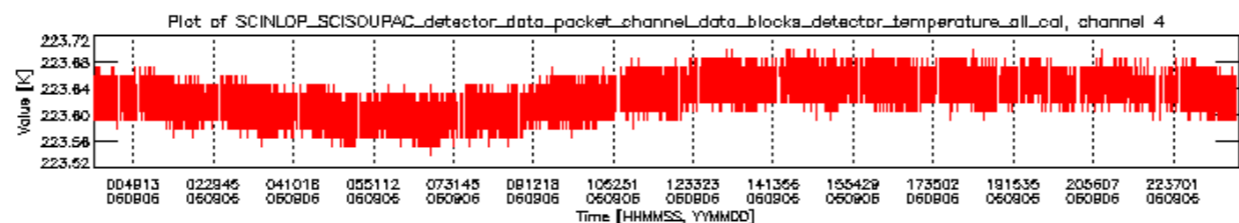
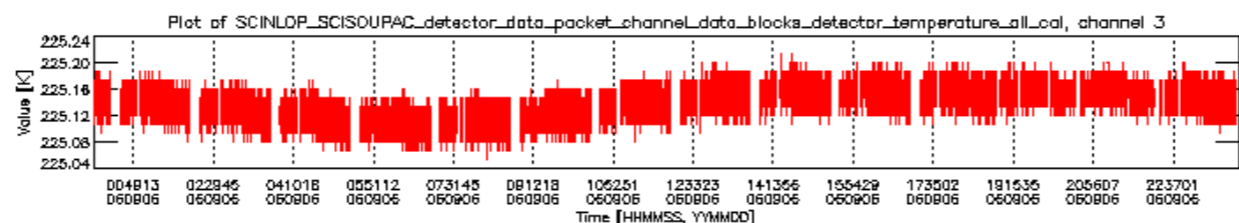
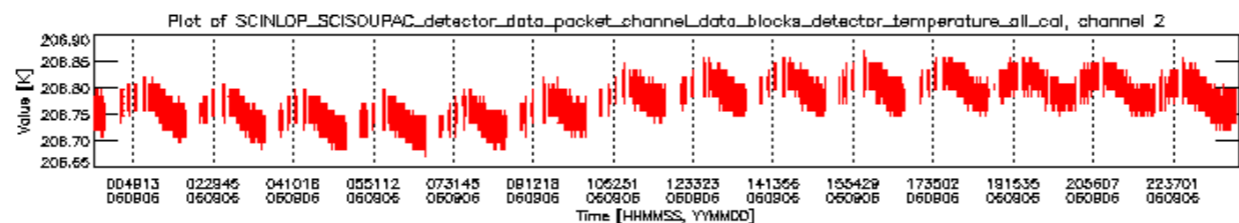
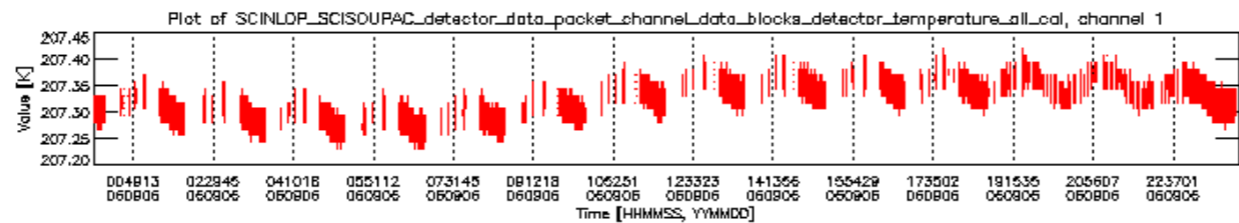


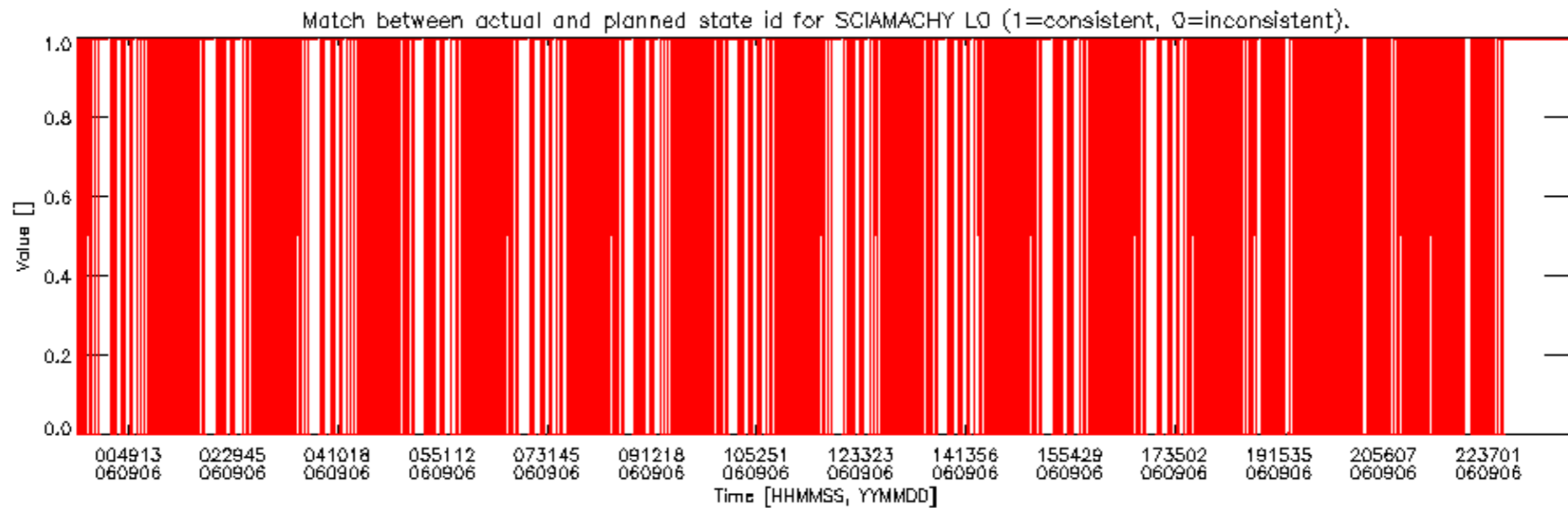
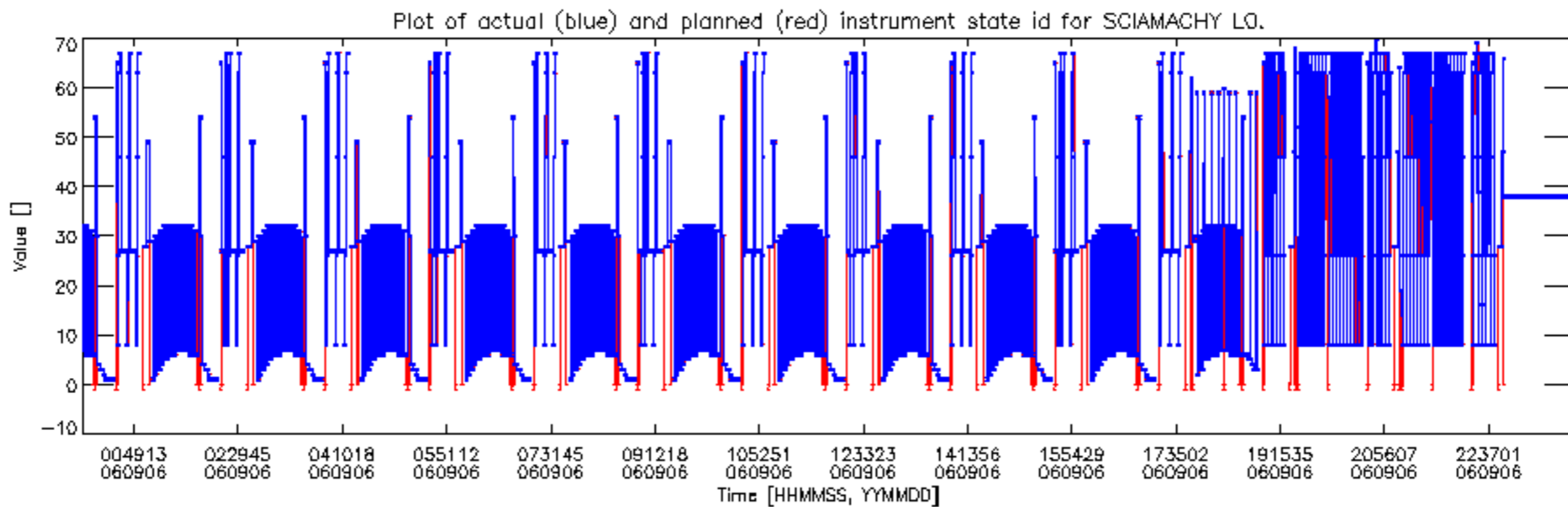












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 06SEP2006.  
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