

# 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	02OCT2006 14:02:25
Data source version	PFHS/5.37-N
Processing scope for products	26SEP2006 00:00:00 to 27SEP2006 00:00:00
Start time of first product within scope	25SEP2006 22:27:47
Stop time of last product within scope	26SEP2006 20:42:49
Total number of level 0 products	14
Number of level 0 products with errors	14

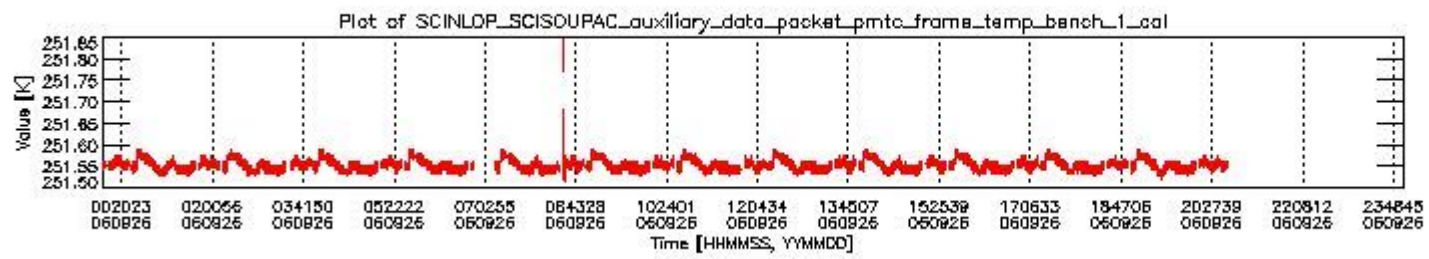
### 0.1.2 Summary per product

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

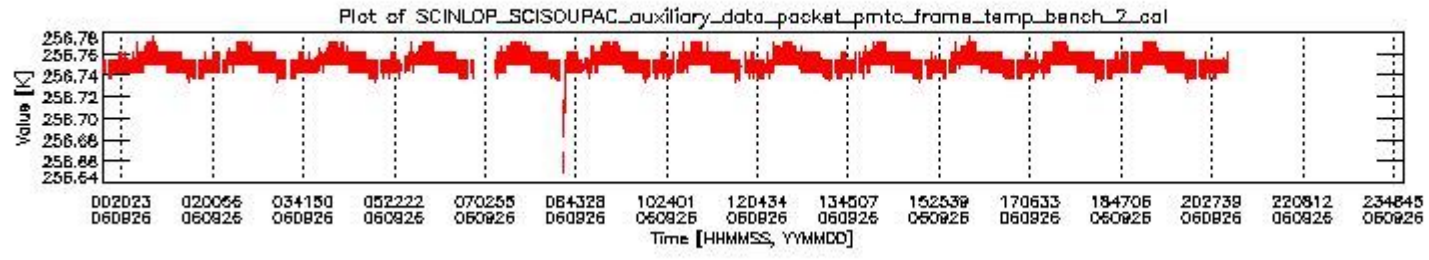
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20060925_222747_000060332051_00301_23902_0674.N1	25SEP2006 22:27:47	26SEP2006 00:08:20	1	0	1	0	0
1	SCI_NL__OPNPDE20060926_000736_000059482051_00302_23903_0675.N1	26SEP2006 00:07:36	26SEP2006 01:46:45	1	0	1	0	0
2	SCI_NL__OPNPDE20060926_014645_000043762051_00303_23904_0676.N1	26SEP2006 01:46:45	26SEP2006 02:59:41	1	0	1	0	0
3	SCI_NL__OPNPDE20060926_025941_000061482051_00304_23905_0677.N1	26SEP2006 02:59:41	26SEP2006 04:42:09	1	0	1	0	0
4	SCI_NL__OPNPDE20060926_044209_000060492051_00305_23906_0678.N1	26SEP2006 04:42:09	26SEP2006 06:22:59	1	0	1	0	0
5	SCI_NL__OPNPDK20060926_062150_000041702051_00306_23907_0822.N1	26SEP2006 06:21:50	26SEP2006 07:31:20	1	0	1	0	0
6	SCI_NL__OPNPDK20060926_073012_000062292051_00307_23908_0823.N1	26SEP2006 07:30:12	26SEP2006 09:14:01	1	0	1	0	0
7	SCI_NL__OPNPDK20060926_091305_000059672051_00308_23909_0824.N1	26SEP2006 09:13:05	26SEP2006 10:52:33	1	0	1	0	0
8	SCI_NL__OPNPDK20060926_105137_000060362051_00309_23910_0825.N1	26SEP2006 10:51:37	26SEP2006 12:32:14	1	0	1	0	0
9	SCI_NL__OPNPDK20060926_123105_000059122051_00310_23911_0828.N1	26SEP2006 12:31:05	26SEP2006 14:09:37	1	0	1	0	0
10	SCI_NL__OPNPDK20060926_140828_000059242051_00311_23912_0829.N1	26SEP2006 14:08:28	26SEP2006 15:47:13	1	0	1	0	0
11	SCI_NL__OPNPDK20060926_154605_000059742051_00312_23913_0830.N1	26SEP2006 15:46:05	26SEP2006 17:25:39	1	0	1	0	0
12	SCI_NL__OPNPDK20060926_172443_000059662051_00313_23914_0831.N1	26SEP2006 17:24:43	26SEP2006 19:04:10	1	0	1	0	0
13	SCI_NL__OPNPDK20060926_190212_000060362051_00314_23915_0832.N1	26SEP2006 19:02:12	26SEP2006 20:42:49	1	0	1	0	0

## 0.2 Product Quality Indicators

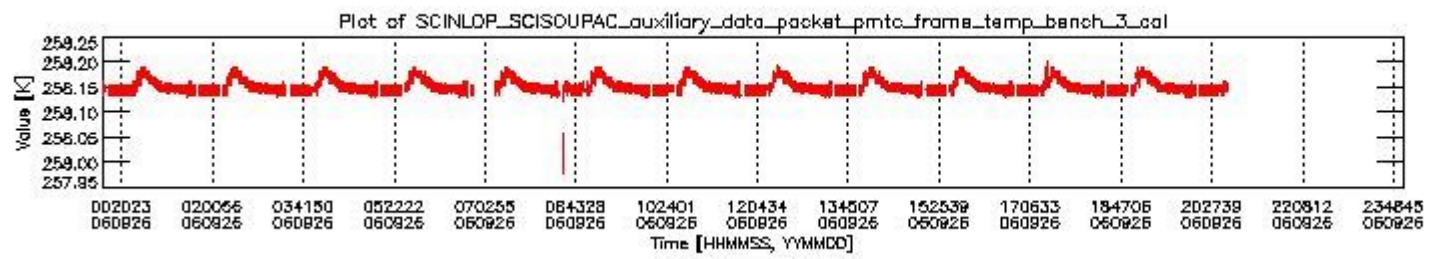
This section shows information about product quality, currently temperatures.



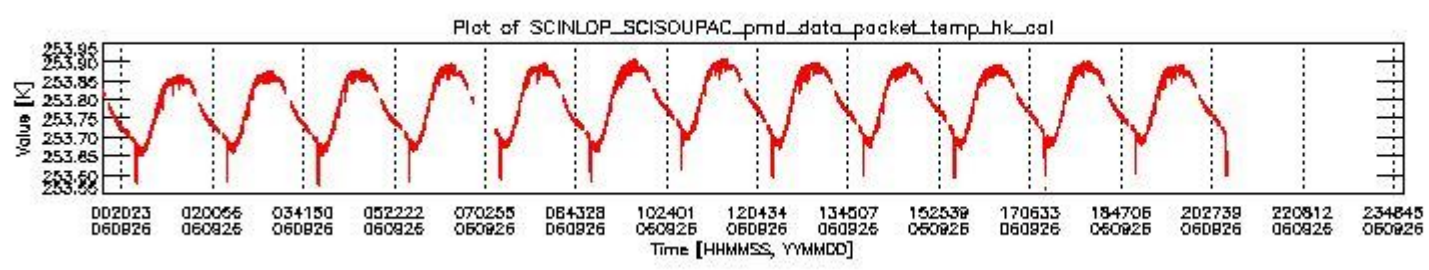
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060926\_0.PNG



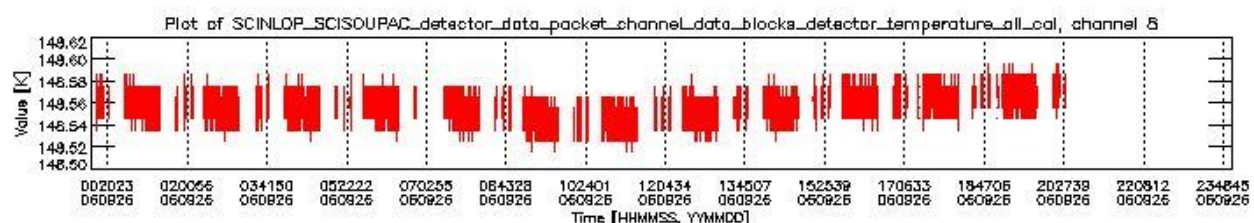
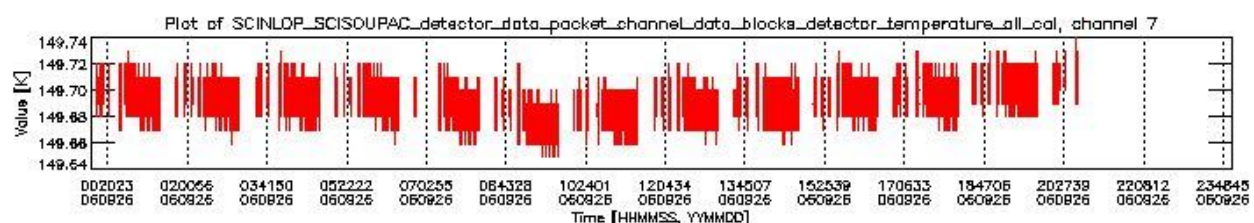
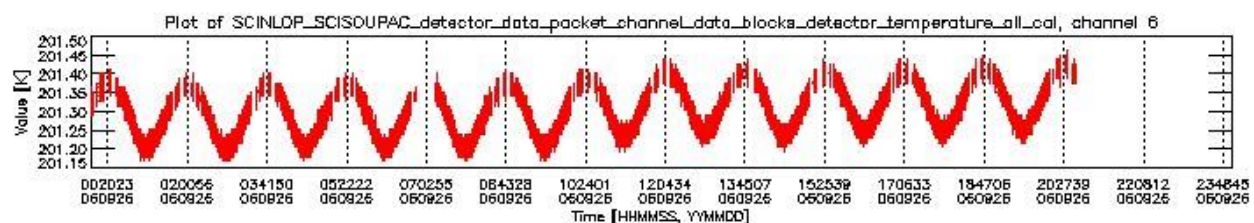
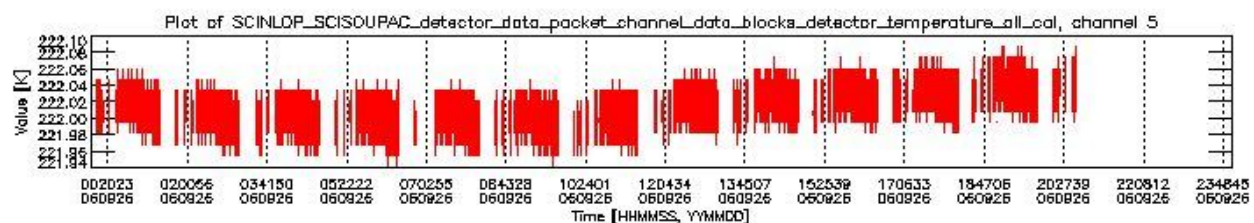
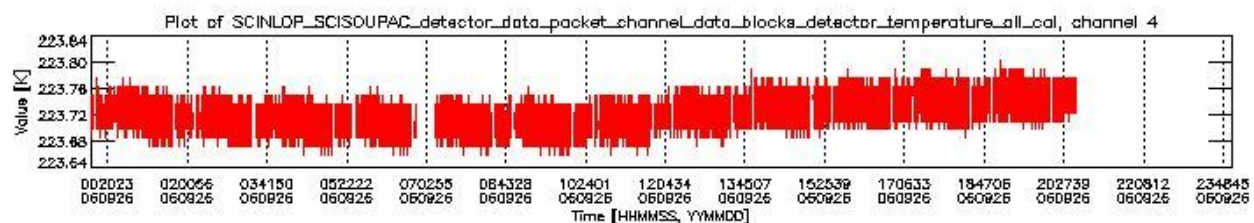
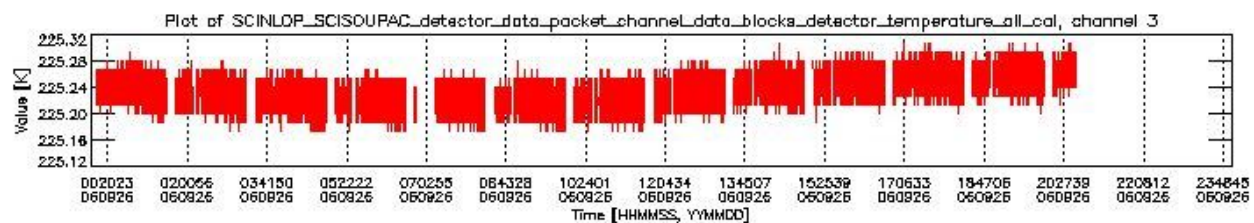
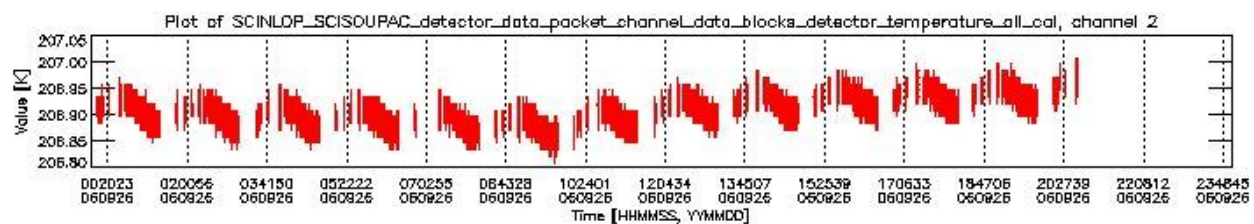
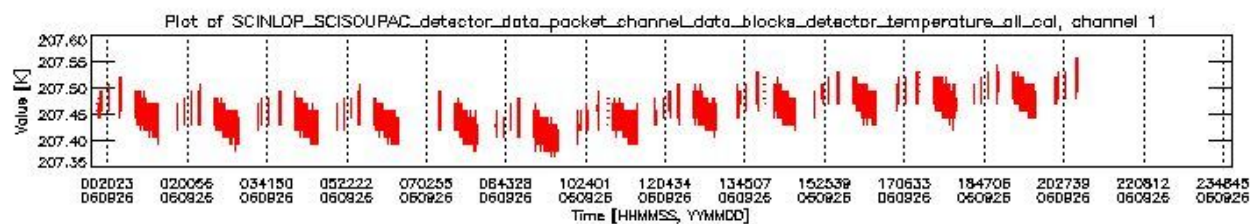
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sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060926\_2.PNG



sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060926\_3.PNG

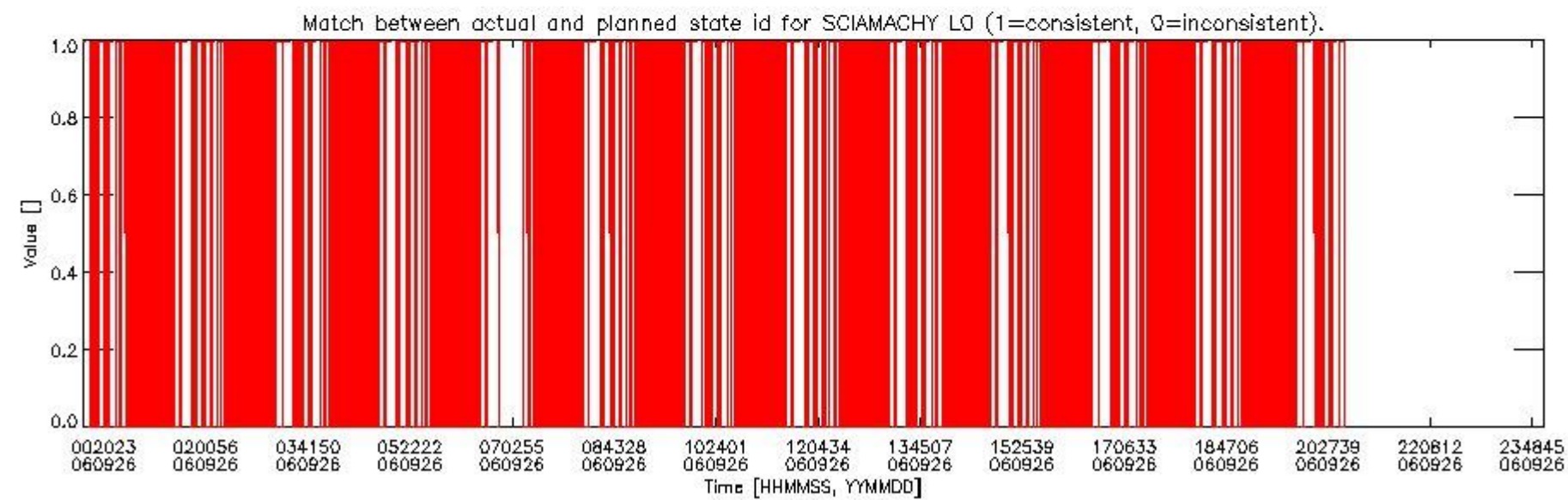
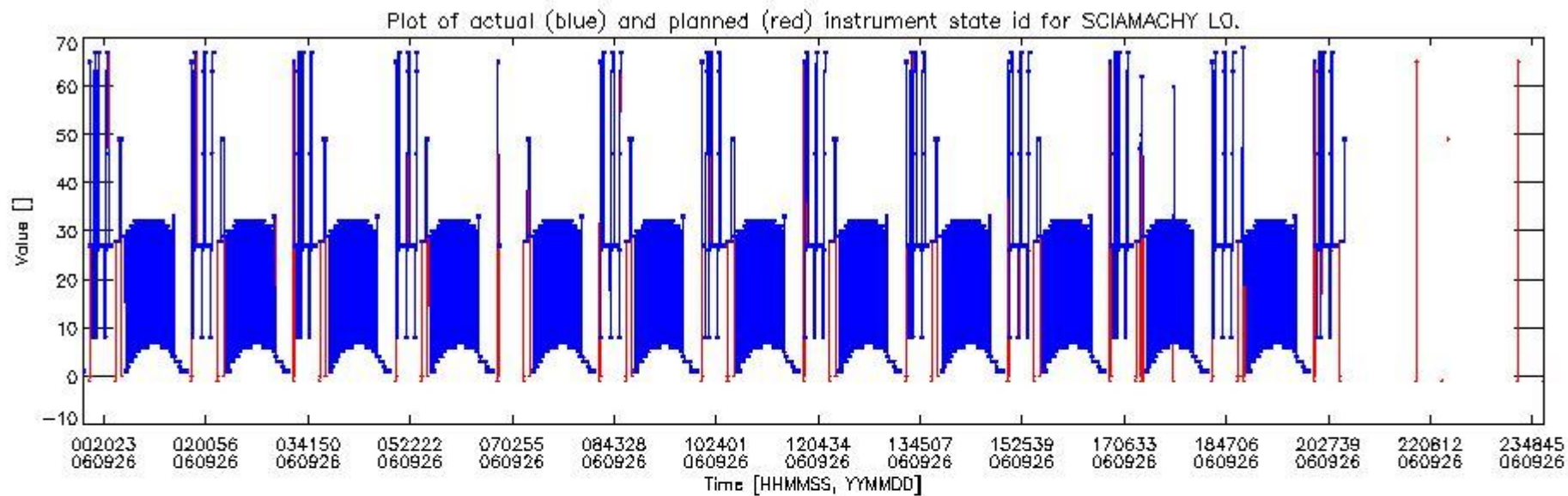


### 0.3 State monitoring

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: **6595**

#	Actual time	Actual value	Planned time	Planned value
0	26SEP2006 00:06:09.100794	65	26SEP2006 00:06:09.100794	0
1	26SEP2006 00:06:52.854691	27	26SEP2006 00:06:52.854691	0
2	26SEP2006 00:06:53.854685	27	26SEP2006 00:06:53.854685	0
3	26SEP2006 00:06:54.792198	27	26SEP2006 00:06:54.792198	0
4	26SEP2006 00:09:05.030478	8	26SEP2006 00:09:05.030478	27
5	26SEP2006 00:09:06.155477	8	26SEP2006 00:09:06.155477	27
6	26SEP2006 00:09:07.155471	8	26SEP2006 00:09:07.155471	27
7	26SEP2006 00:09:48.589083	26	26SEP2006 00:09:48.589083	8
8	26SEP2006 00:09:49.214064	26	26SEP2006 00:09:49.214064	8
9	26SEP2006 00:09:49.714082	26	26SEP2006 00:09:49.714082	8
10	26SEP2006 00:09:50.214059	26	26SEP2006 00:09:50.214059	8
11	26SEP2006 00:09:50.714076	26	26SEP2006 00:09:50.714076	8
12	26SEP2006 00:10:22.143759	46	26SEP2006 00:10:22.143759	26
13	26SEP2006 00:10:22.768740	46	26SEP2006 00:10:22.768740	26
14	26SEP2006 00:10:23.268758	46	26SEP2006 00:10:23.268758	26
15	26SEP2006 00:10:23.768735	46	26SEP2006 00:10:23.768735	26
16	26SEP2006 00:10:24.268752	46	26SEP2006 00:10:24.268752	26
17	26SEP2006 00:10:35.706268	63	26SEP2006 00:10:35.706268	46
18	26SEP2006 00:10:36.331250	63	26SEP2006 00:10:36.331250	46
19	26SEP2006 00:10:36.831267	63	26SEP2006 00:10:36.831267	46
	...	...	...	...

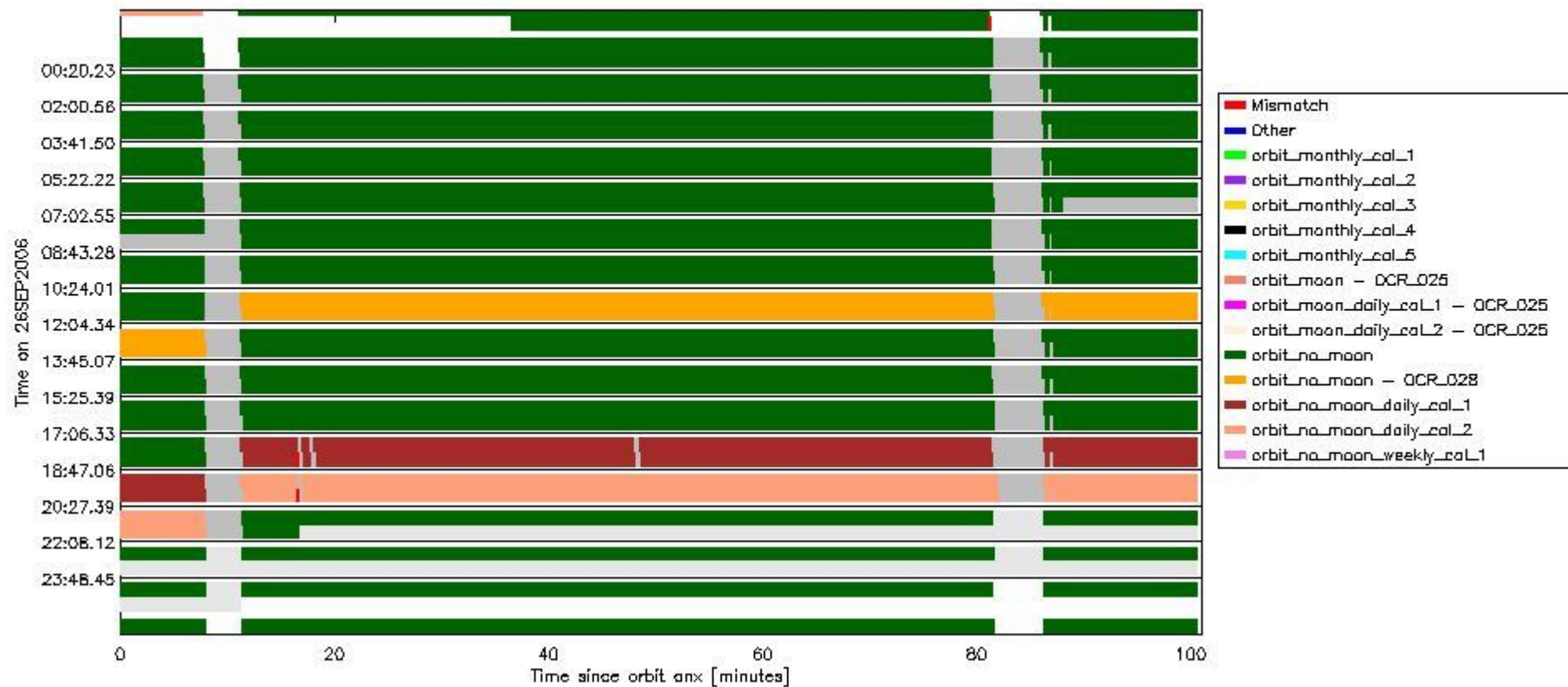


sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060926\_5.PNG

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 26SEP2006.  
 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\_20060926\_6.PNG

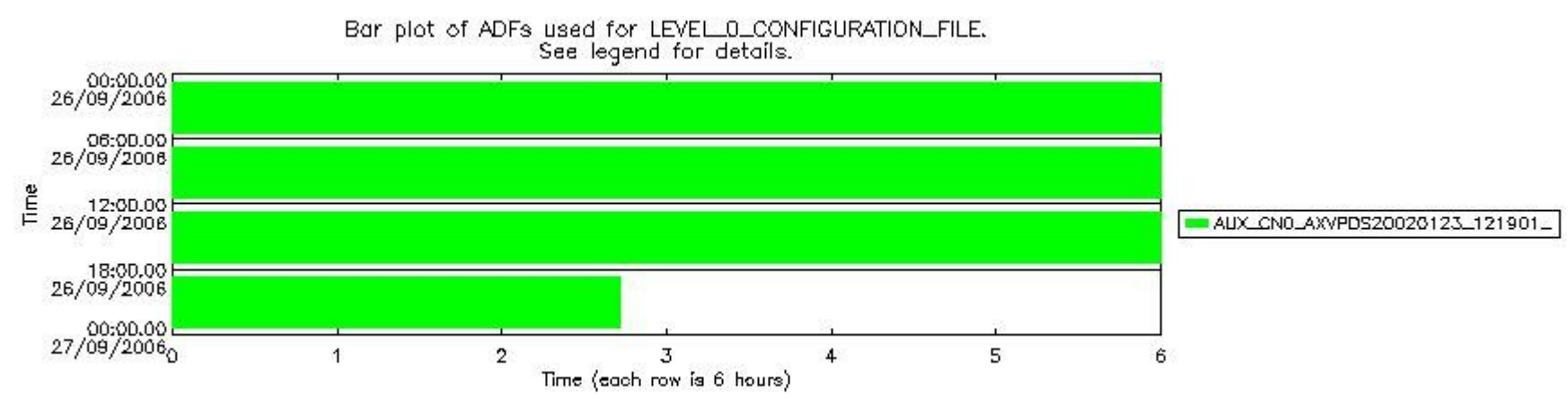
## 0.4 ADF monitoring

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

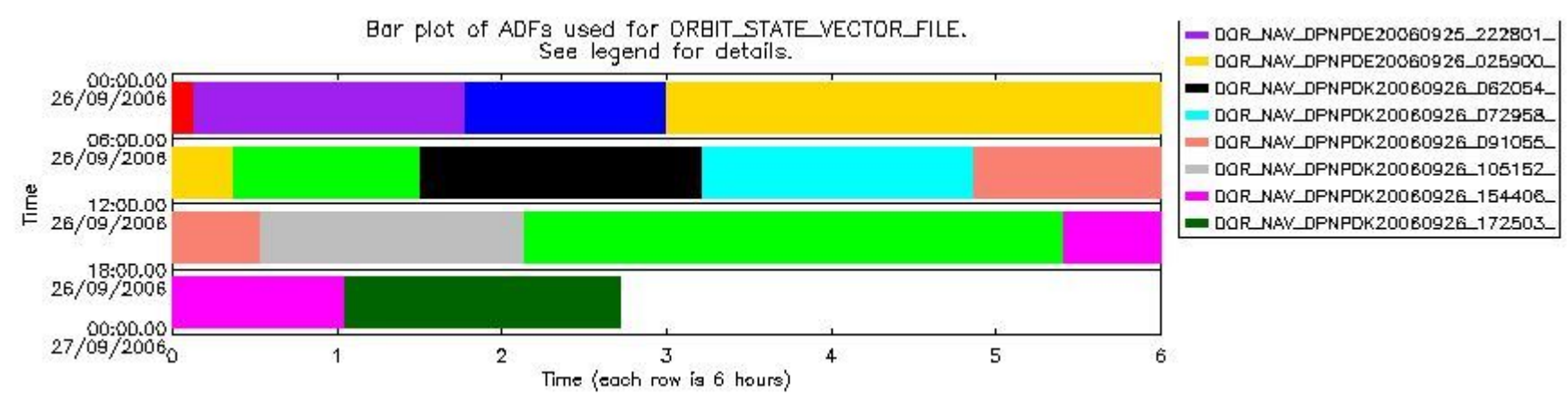
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

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

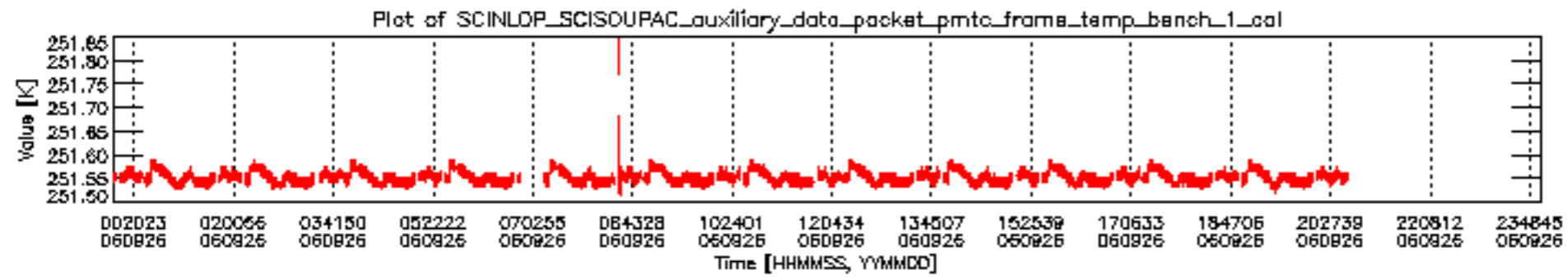
Number	ADF
	<b>CN0 (LEVEL_0_CONFIGURATION_FILE)</b>
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	<b>FPO (ORBIT_STATE_VECTOR_FILE)</b>
1	AUX_FPO_AXVPDS20060925_223550_20060925_191840_20061005_204455
2	AUX_FPO_AXVPDS20060925_223630_20060925_191840_20061005_204455
3	DOR_NAV_OPNPDE20060925_204146_000060572051_00300_23901_0637.N1
4	DOR_NAV_OPNPDE20060925_222801_000054192051_00301_23902_0638.N1
5	DOR_NAV_OPNPDE20060926_025900_000057382051_00304_23905_0641.N1
6	DOR_NAV_OPNPDK20060926_062054_000038252051_00306_23907_0856.N1
7	DOR_NAV_OPNPDK20060926_072958_000057382051_00307_23908_0857.N1
8	DOR_NAV_OPNPDK20060926_091055_000057382051_00308_23909_0858.N1
9	DOR_NAV_OPNPDK20060926_105152_000054192051_00309_23910_0859.N1
10	DOR_NAV_OPNPDK20060926_154406_000057382051_00312_23913_0864.N1
11	DOR_NAV_OPNPDK20060926_172503_000054192051_00313_23914_0865.N1



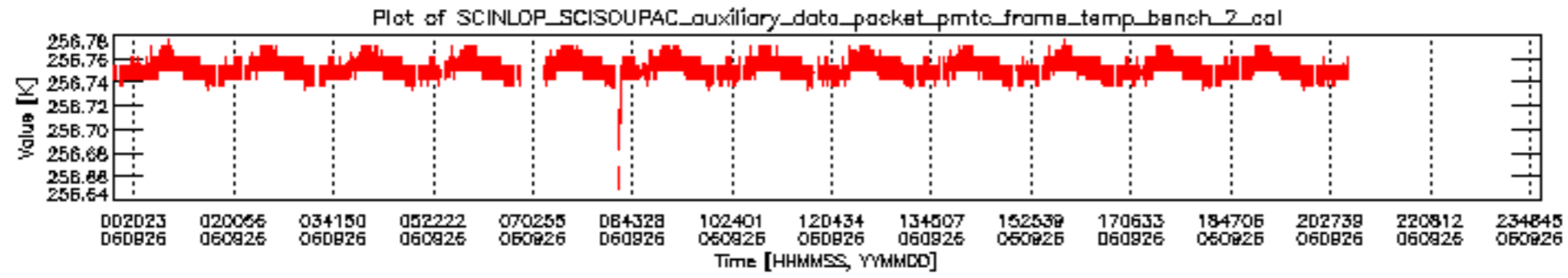
sciamachy\_daily\_report\_level0\_PFHS\_5\_37\_N\_20060926\_7.PNG

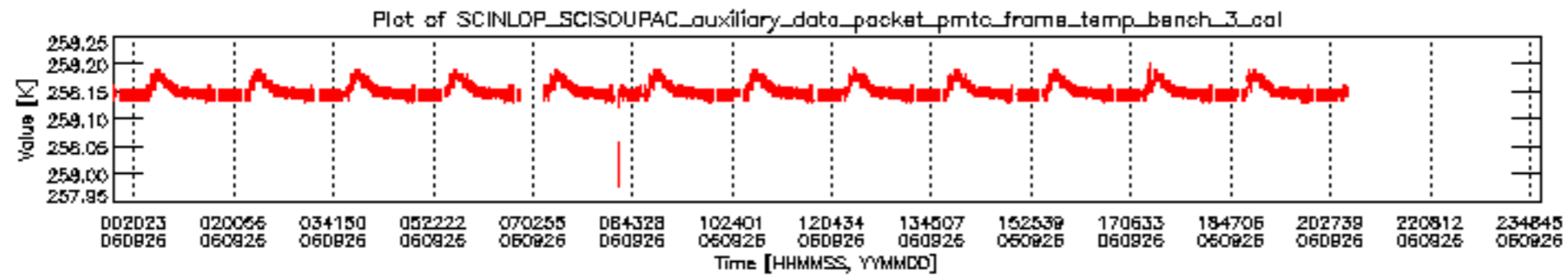


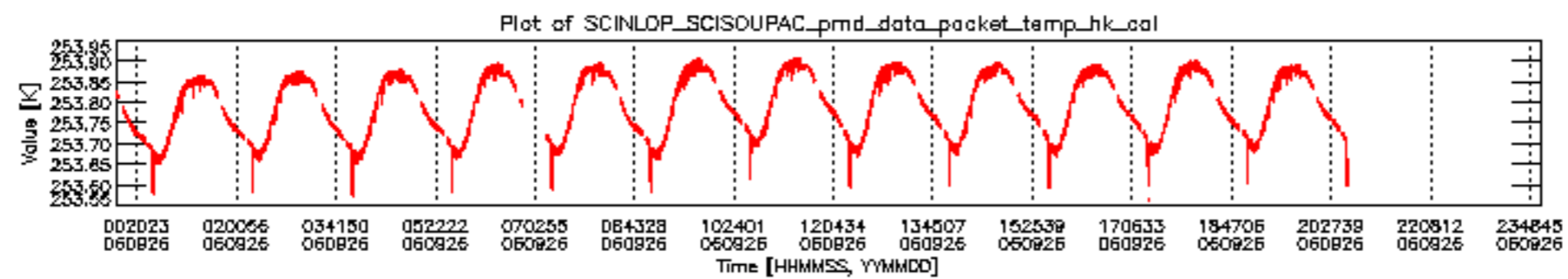
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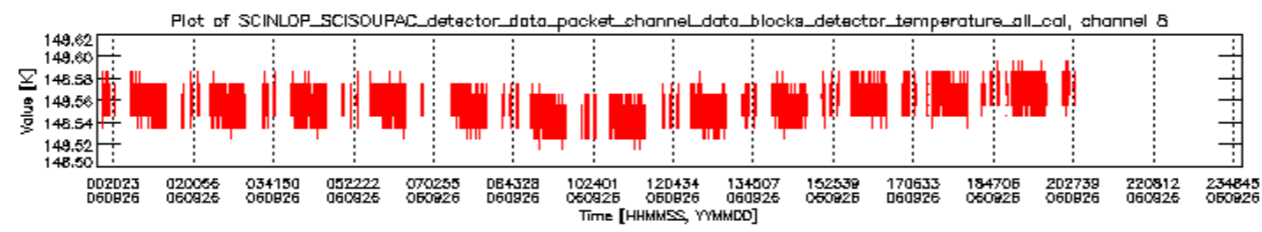
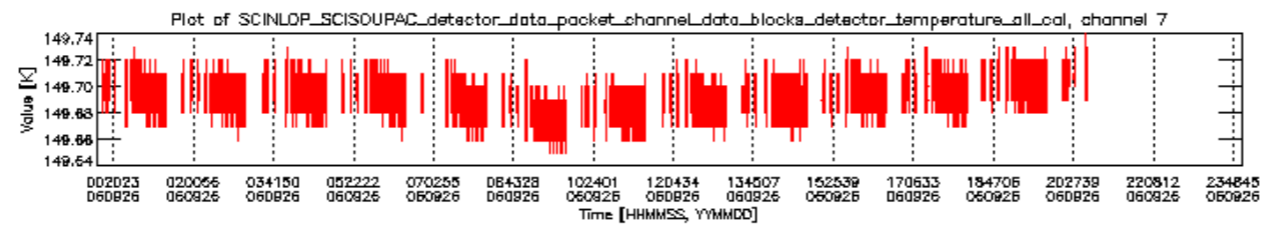
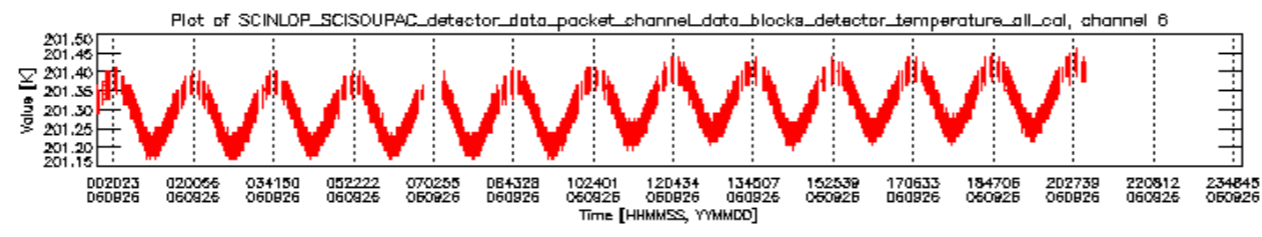
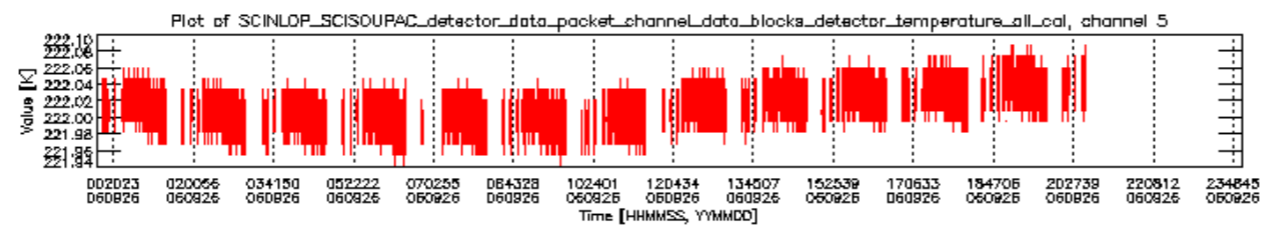
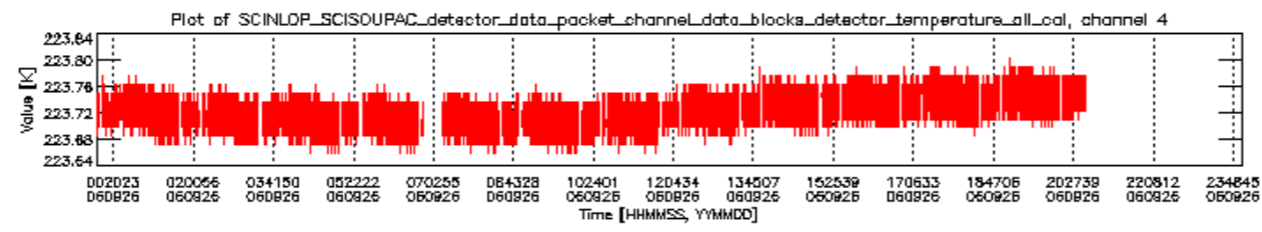
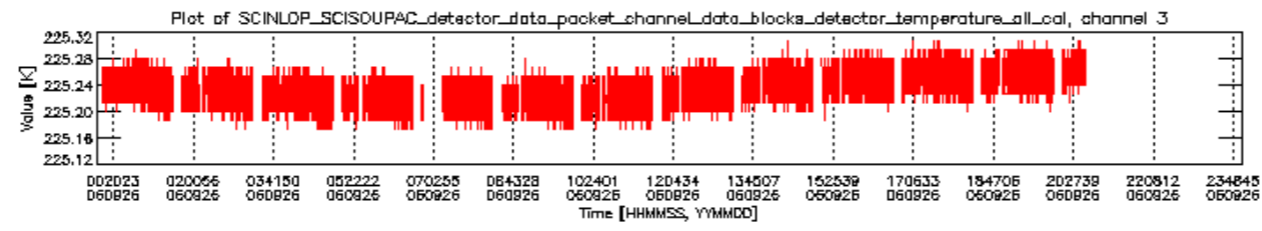
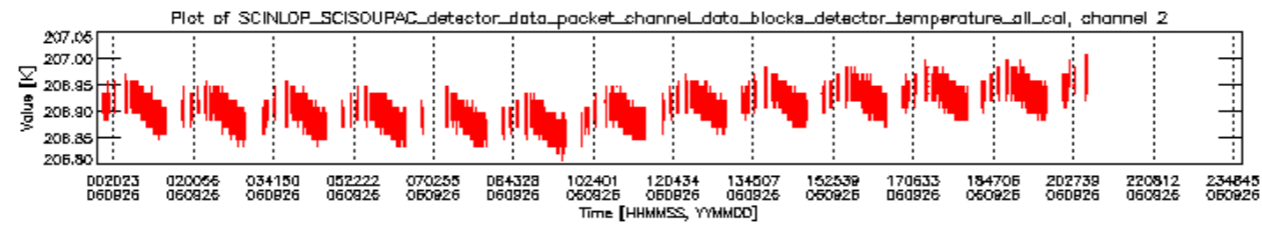
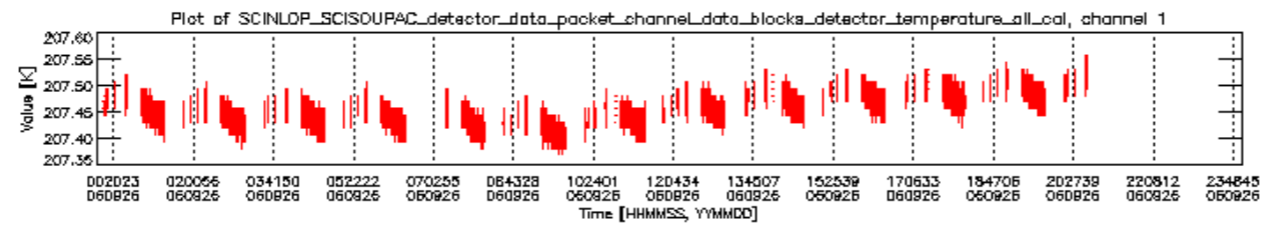


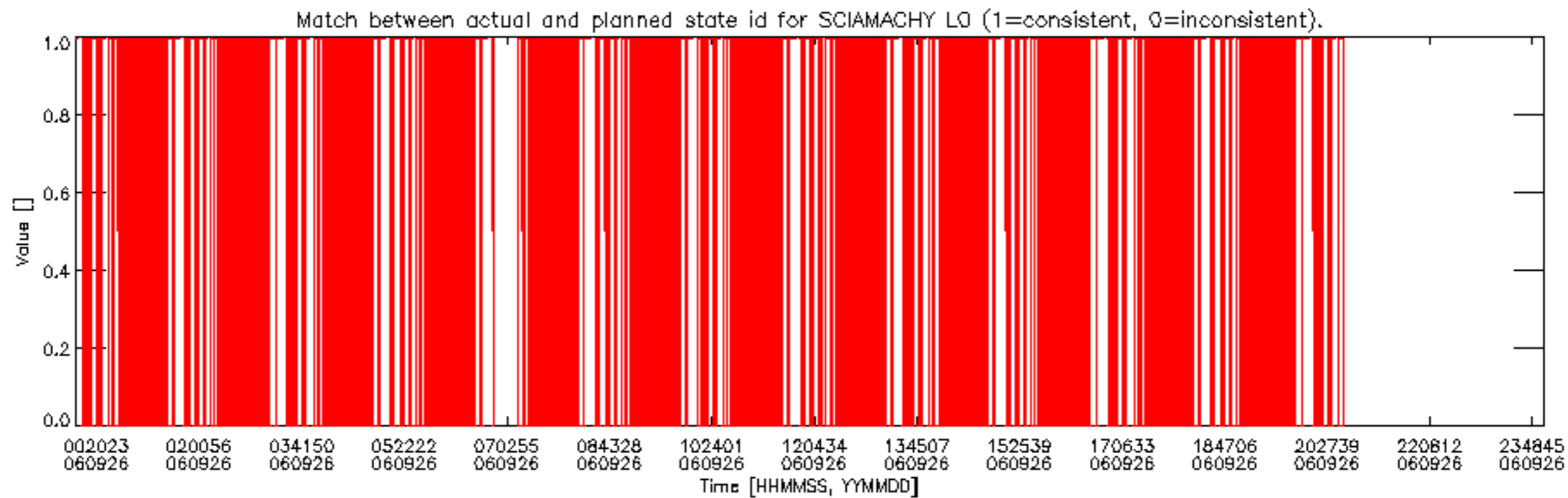
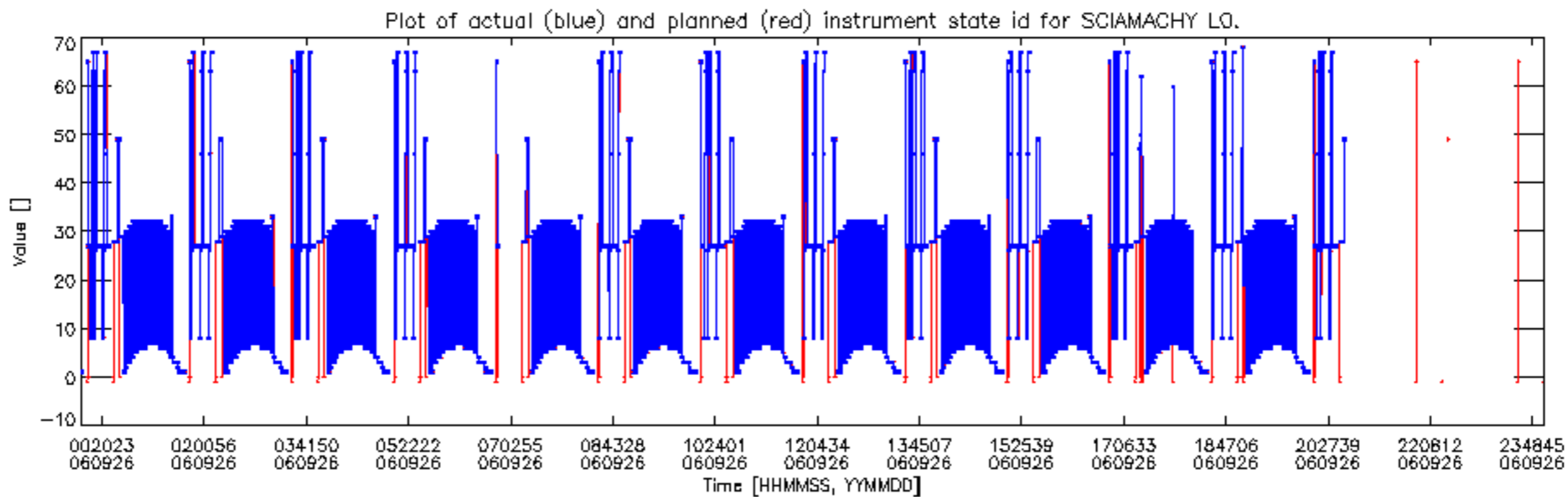












Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.  
 Each row indicates an orbit. A light gray colour indicates the time span of 26SEP2006.  
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