

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 | v1.4 20100407 |
| Time of report generation | 05APR2012 03:06:21 |
| Data source version | KSPT_LO/4504-N |
| Processing scope for products | 29MAR2012 00:00:00 to 30MAR2012 00:00:00 |
| Start time of first product within scope | 29MAR2012 01:26:44 |
| Stop time of last product within scope | 30MAR2012 00:44:16 |
| Total number of Level 0 products | 14 |
| Number of Level 0 products with errors | 1 |

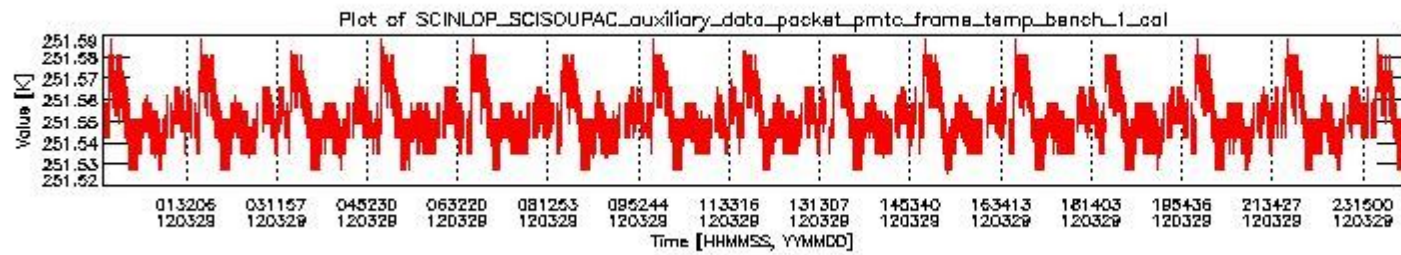
0.1.2 Summary per product

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

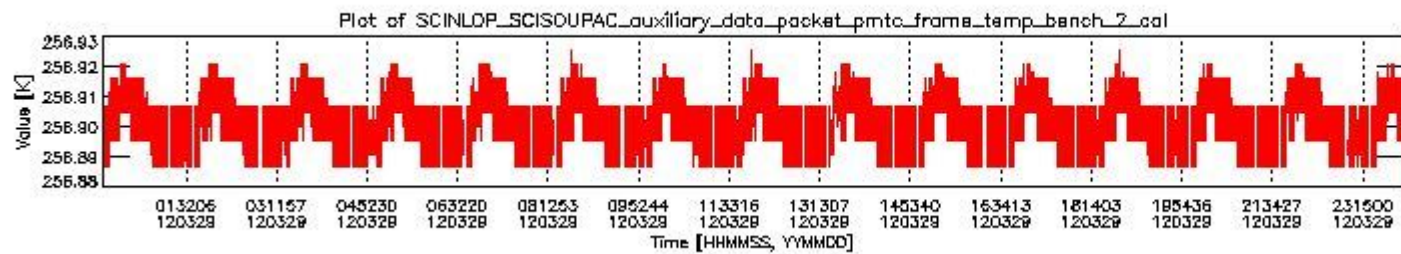
| # | Product name | Start time | Stop time | Prod err | ISP err sign | ISP miss sign | ISP disc sign | rs sign |
|----|--|--------------------|--------------------|----------|--------------|---------------|---------------|---------|
| 0 | SCI_NL__OPNPDE20120329_012644_000098003113_00117_52717_8571.N1 | 29MAR2012 01:26:44 | 29MAR2012 04:10:04 | 0 | 0 | 0 | 0 | 0 |
| 1 | SCI_NL__OPNPDE20120329_040908_000062503113_00119_52719_8572.N1 | 29MAR2012 04:09:08 | 29MAR2012 05:53:18 | 0 | 0 | 0 | 0 | 0 |
| 2 | SCI_NL__OPNPDE20120329_055318_000061513113_00120_52720_8573.N1 | 29MAR2012 05:53:18 | 29MAR2012 07:35:49 | 0 | 0 | 0 | 0 | 0 |
| 3 | SCI_NL__OPNPDK20120329_073440_000038983113_00121_52721_7729.N1 | 29MAR2012 07:34:40 | 29MAR2012 08:39:39 | 0 | 0 | 0 | 0 | 0 |
| 4 | SCI_NL__OPNPDK20120329_083939_000060823113_00122_52722_7730.N1 | 29MAR2012 08:39:39 | 29MAR2012 10:21:01 | 0 | 0 | 0 | 0 | 0 |
| 5 | SCI_NL__OPNPDK20120329_102101_000059453113_00123_52723_7731.N1 | 29MAR2012 10:21:01 | 29MAR2012 12:00:05 | 0 | 0 | 0 | 0 | 0 |
| 6 | SCI_NL__OPNPDK20120329_120005_000059583113_00124_52724_7732.N1 | 29MAR2012 12:00:05 | 29MAR2012 13:39:23 | 0 | 0 | 0 | 0 | 0 |
| 7 | SCI_NL__OPNPDK20120329_133814_000058213113_00125_52725_7733.N1 | 29MAR2012 13:38:14 | 29MAR2012 15:15:15 | 0 | 0 | 0 | 0 | 0 |
| 8 | SCI_NL__OPNPDK20120329_151419_000059583113_00126_52726_7734.N1 | 29MAR2012 15:14:19 | 29MAR2012 16:53:37 | 1 | 1 | 0 | 0 | 0 |
| 9 | SCI_NL__OPNPDK20120329_165228_000060283113_00127_52727_7735.N1 | 29MAR2012 16:52:28 | 29MAR2012 18:32:56 | 0 | 0 | 0 | 0 | 0 |
| 10 | SCI_NL__OPNPDK20120329_183201_000059023113_00128_52728_7736.N1 | 29MAR2012 18:32:01 | 29MAR2012 20:10:22 | 0 | 0 | 0 | 0 | 0 |
| 11 | SCI_NL__OPNPDE20120329_200910_000044323113_00129_52729_8574.N1 | 29MAR2012 20:09:10 | 29MAR2012 21:23:02 | 0 | 0 | 0 | 0 | 0 |
| 12 | SCI_NL__OPNPDE20120329_212145_000061773113_00129_52729_8575.N1 | 29MAR2012 21:21:45 | 29MAR2012 23:04:42 | 0 | 0 | 0 | 0 | 0 |
| 13 | SCI_NL__OPNPDE20120329_230314_000060623113_00130_52730_8576.N1 | 29MAR2012 23:03:14 | 30MAR2012 00:44:16 | 0 | 0 | 0 | 0 | 0 |

0.2 Product Quality Indicators

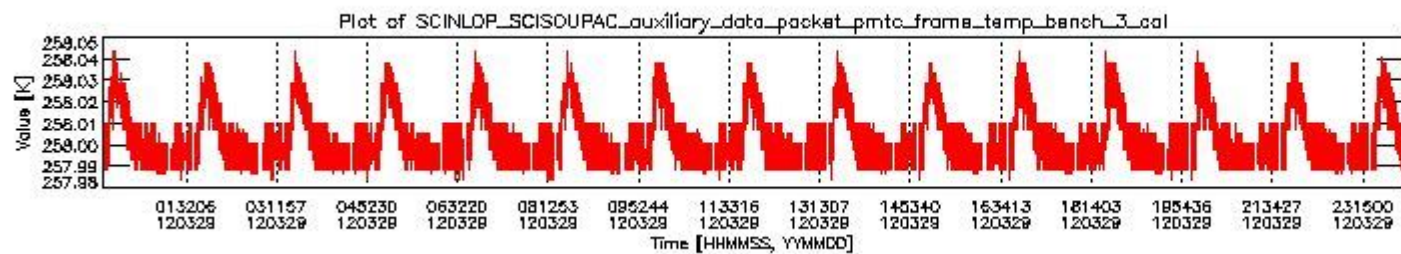
This section shows information about product quality, currently temperatures.



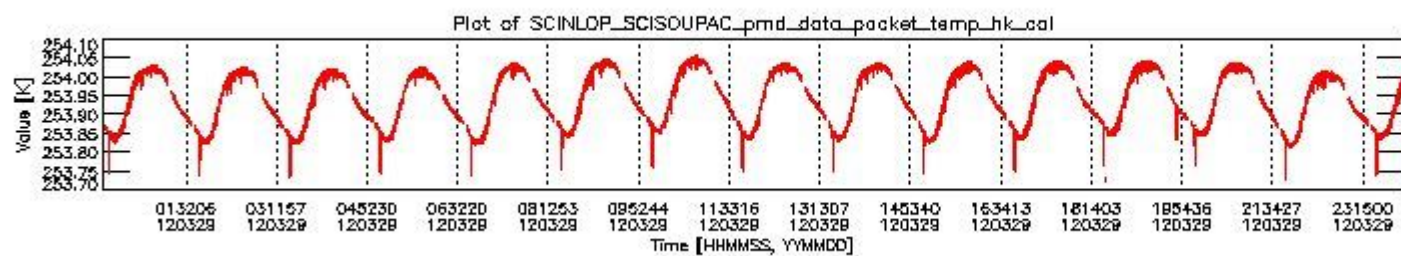
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120329_0.PNG



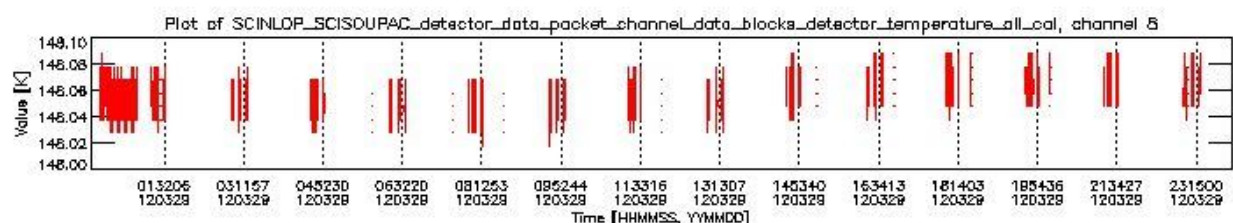
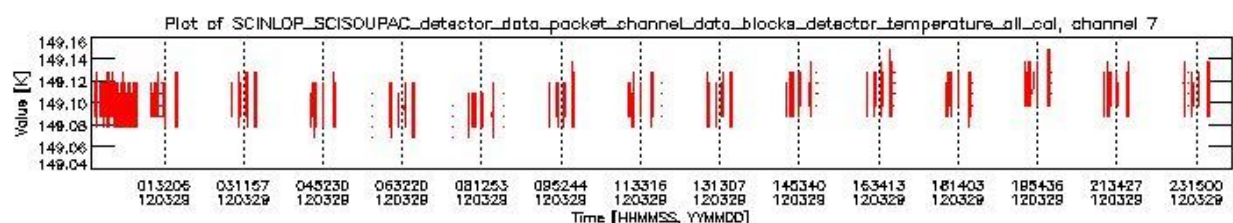
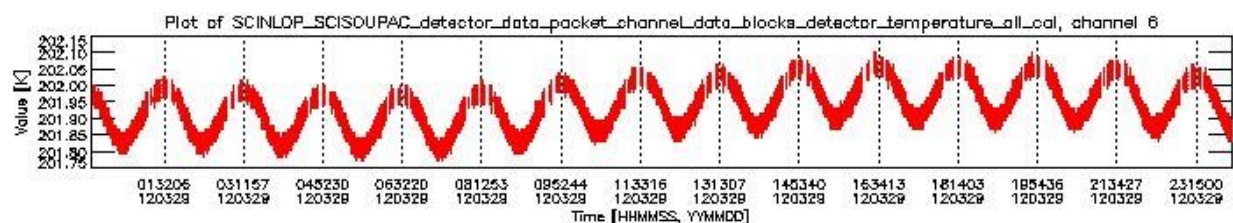
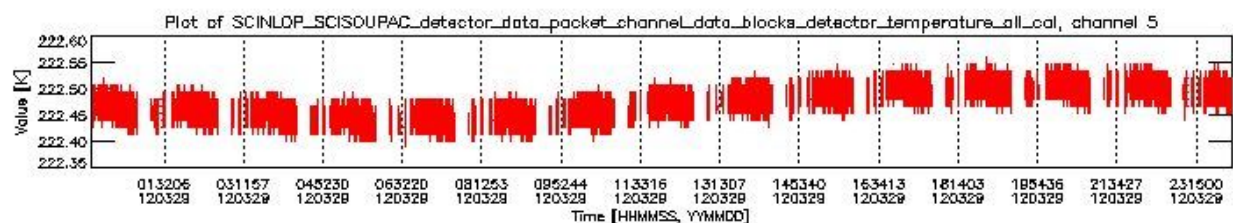
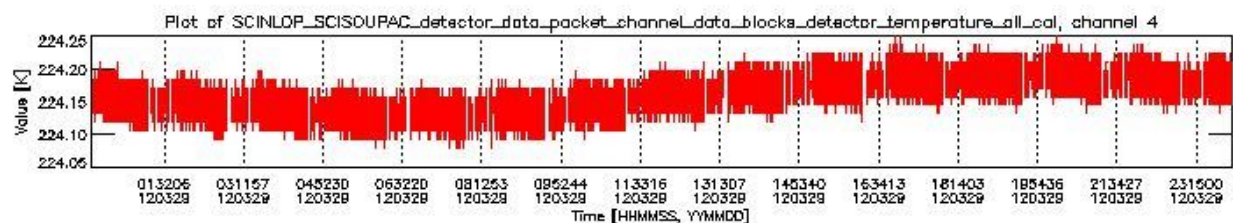
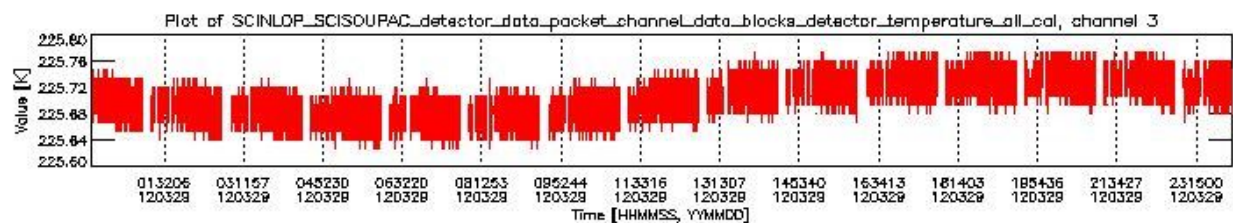
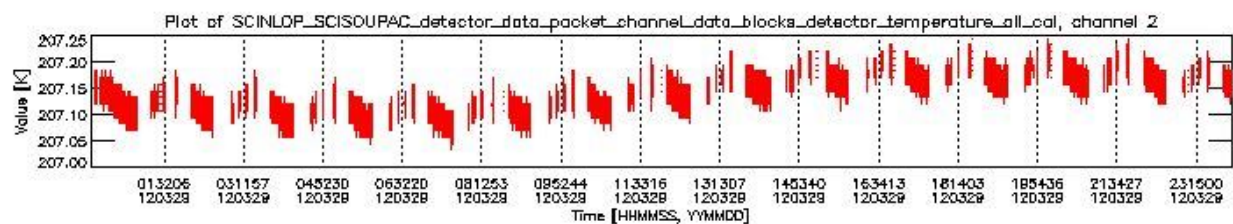
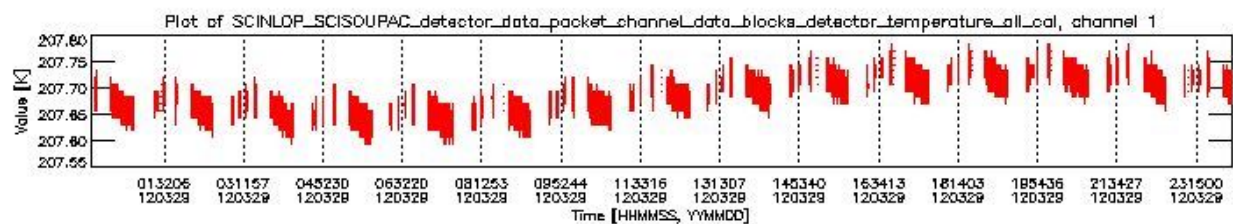
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sciamachy_daily_report_level0_KSPT_L0_4504_N_20120329_2.PNG



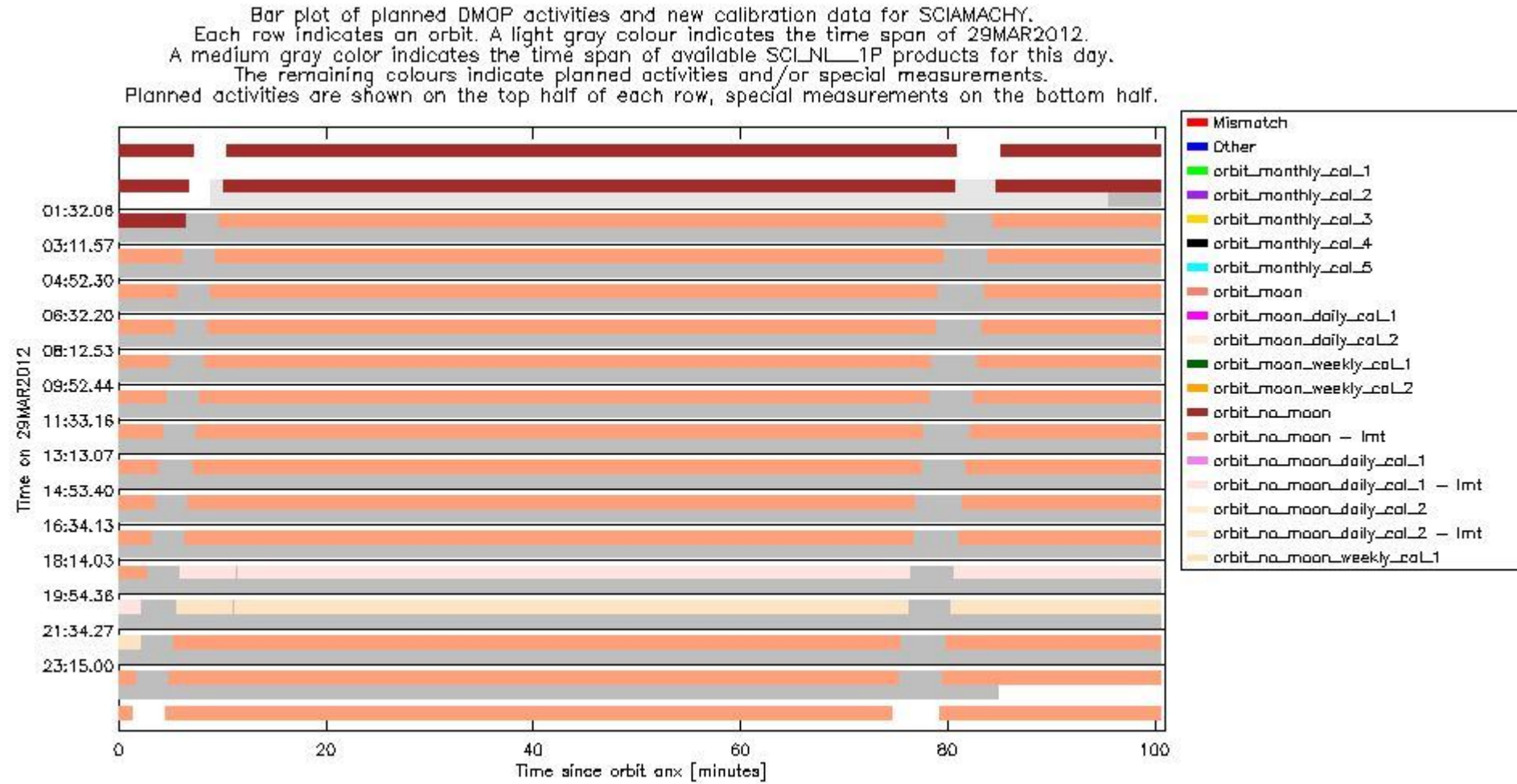
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120329_3.PNG



0.3 State monitoring

No instrument tracking information available. 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.



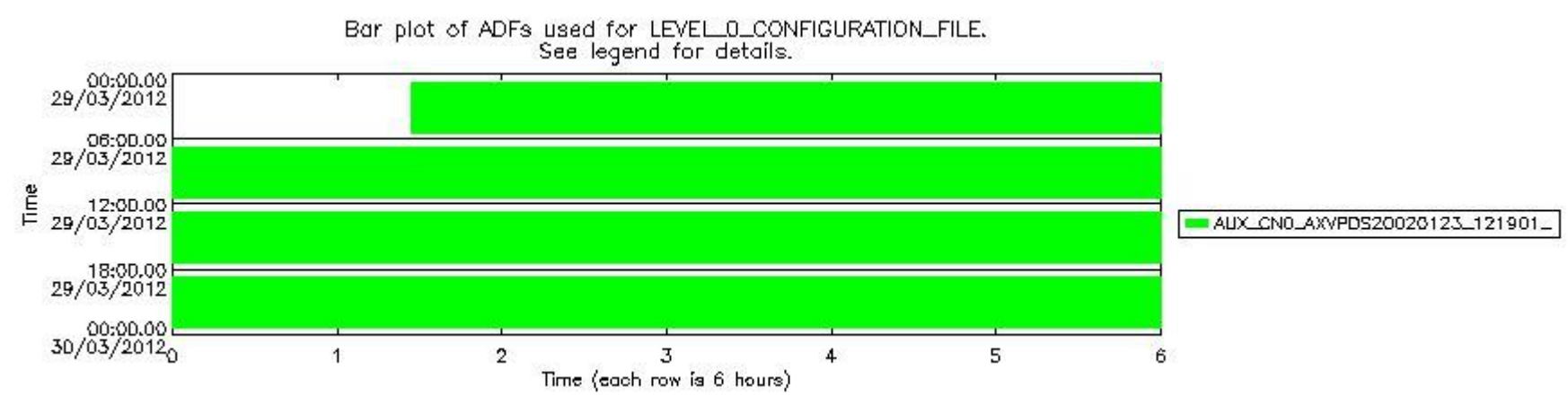
0.4 ADF monitoring

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

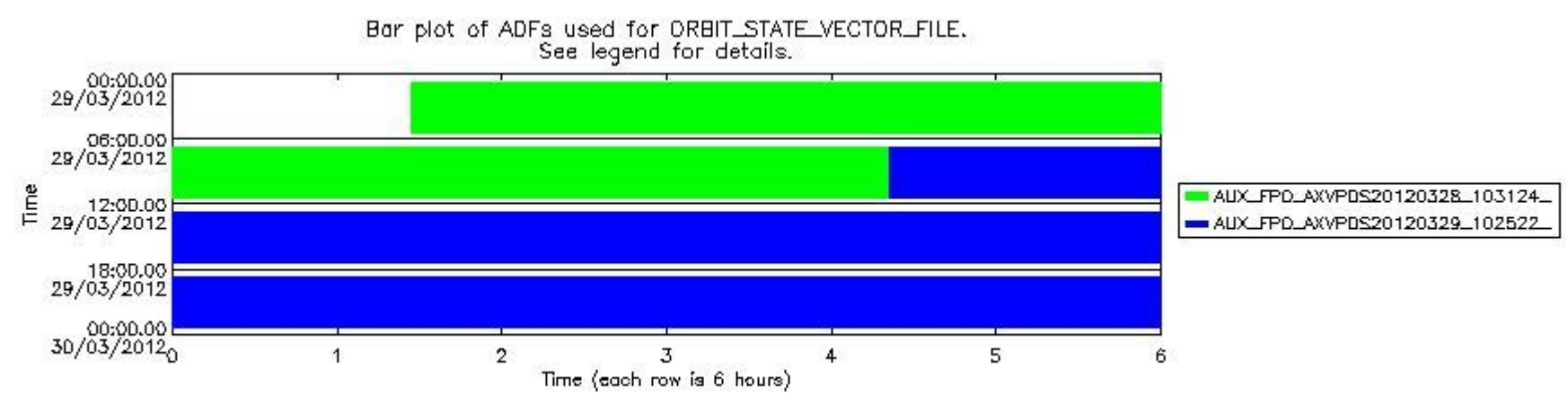
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, showing when and which ADF was used.

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

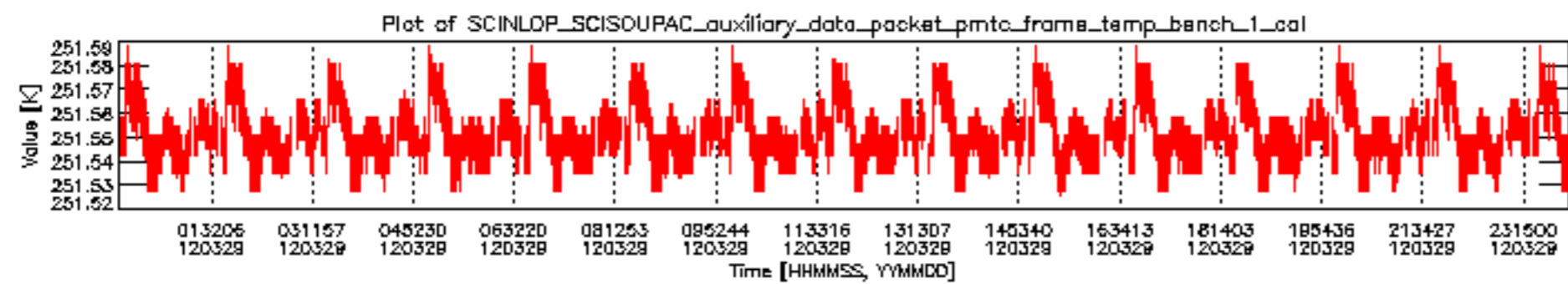
| Number | ADF |
|--------|---|
| | CNO (LEVEL_0_CONFIGURATION_FILE) |
| 0 | AUX_CNO_AXVPDS20020123_121901_20020101_000000_20200101_000000 |
| | FPO (ORBIT_STATE_VECTOR_FILE) |
| 1 | AUX_FPO_AXVPDS20120328_103124_20120327_192737_20120406_200103 |
| 2 | AUX_FPO_AXVPDS20120329_102522_20120328_185052_20120407_210431 |

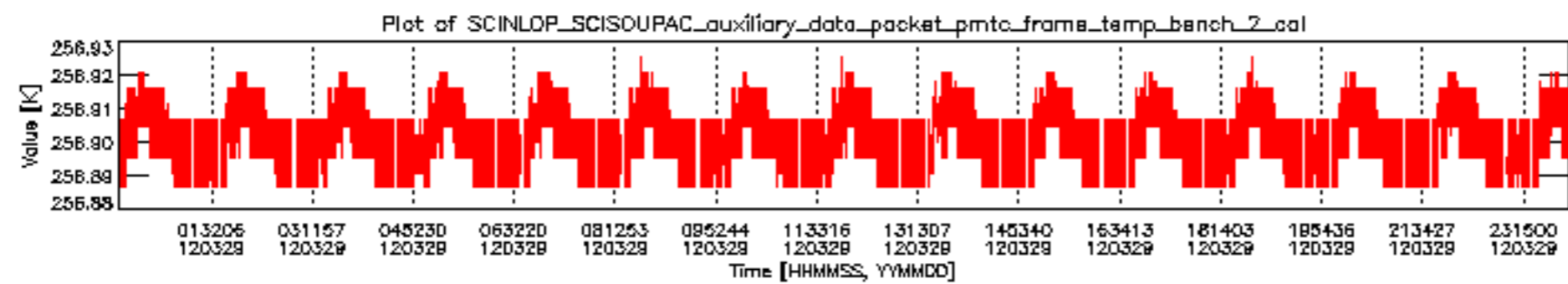


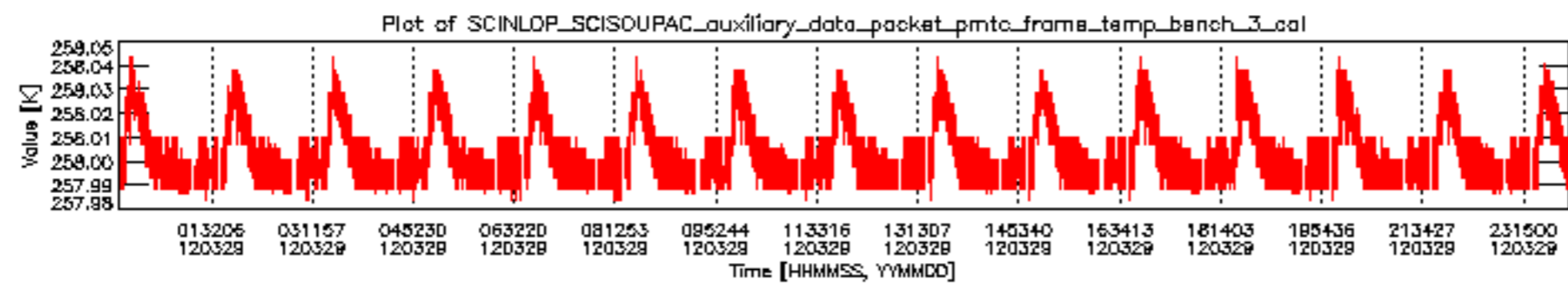
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120329_6.PNG

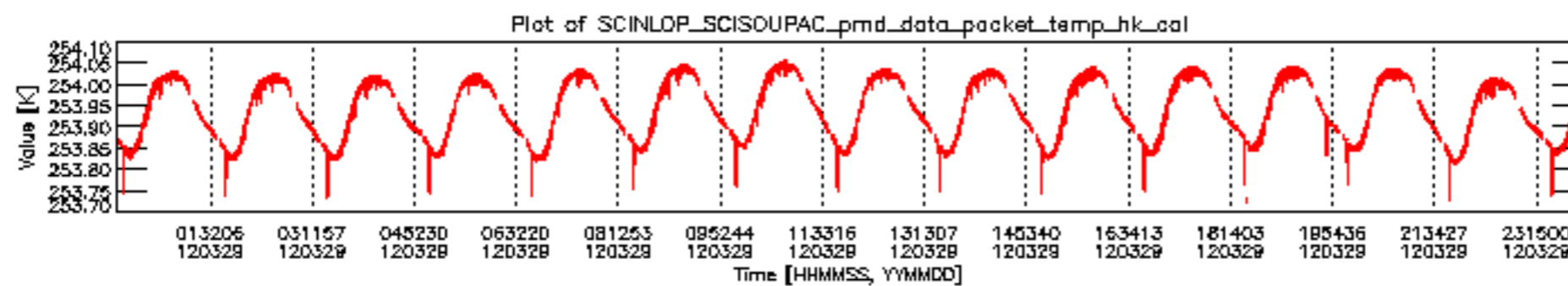


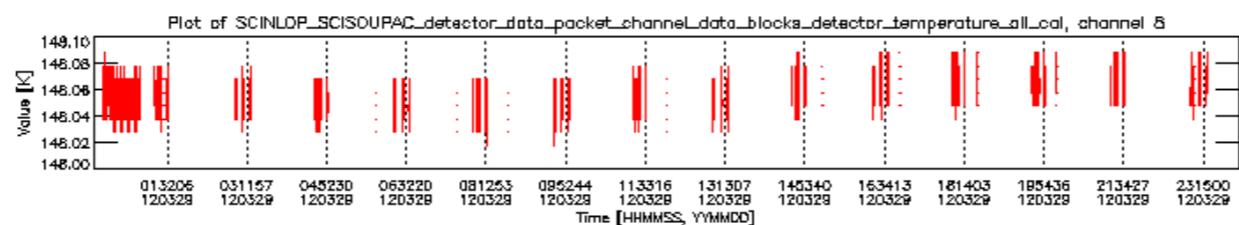
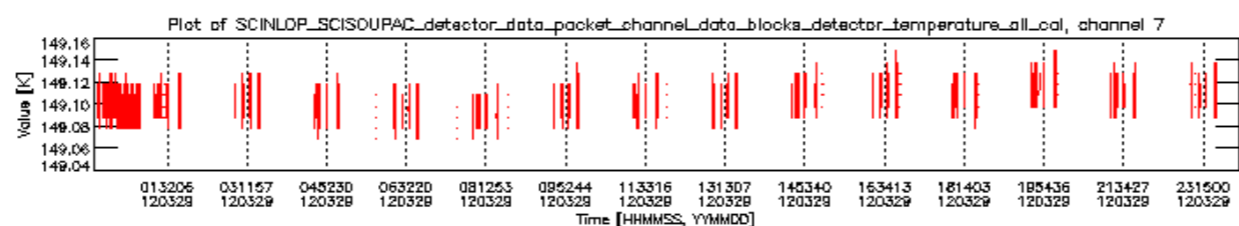
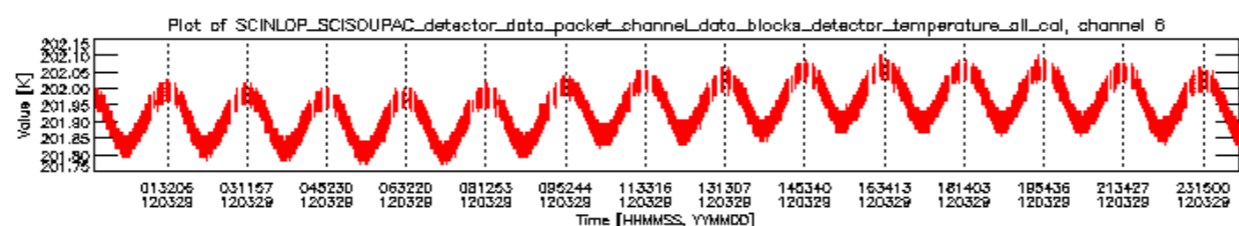
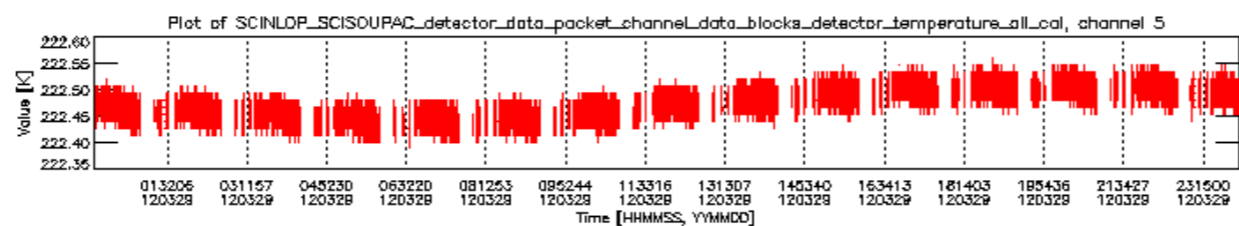
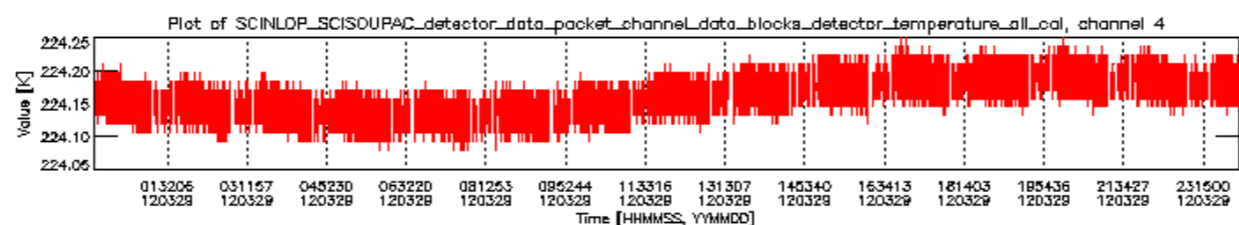
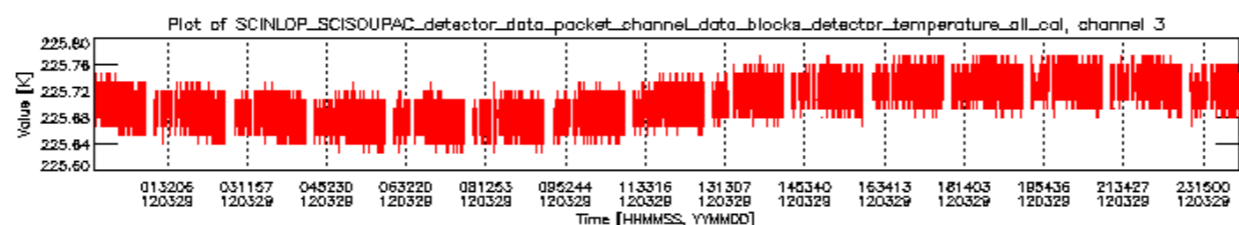
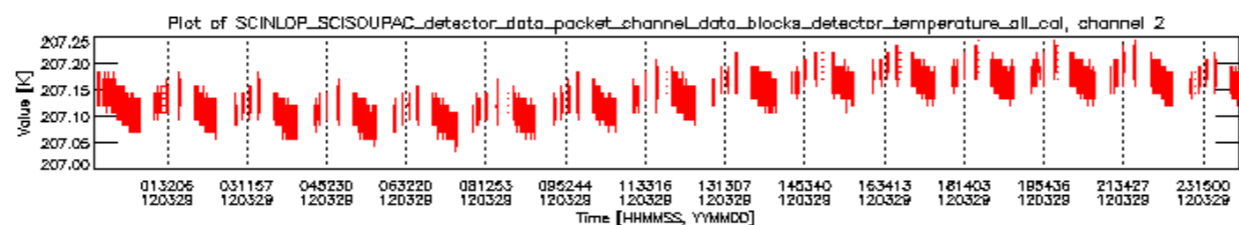
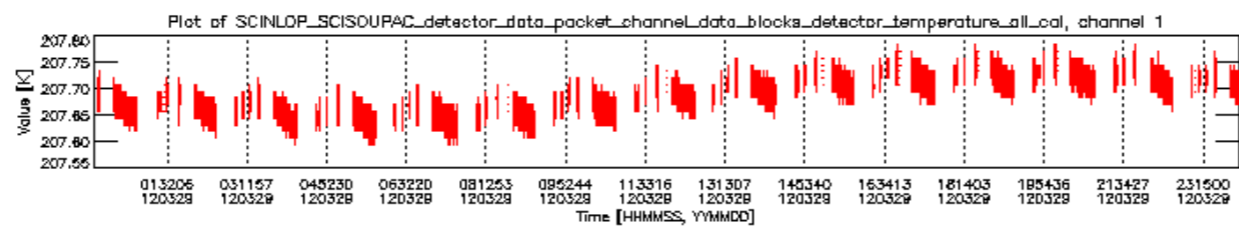
sciamachy_daily_report_level0_KSPT_L0_4504_N_20120329_7.PNG











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 29MAR2012.
 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.

