

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

22/08/2013 00:00:00 - 23/08/2013 00:00:00

1 Introduction

This report provides summary monitoring plots and figures from IASI instrument on the MetOp-A satellite retrieved from the IASI L0 and L1 ENG product (3 minute data packet) for 22/08/2013 00:00:00 - 23/08/2013 00:00:00 .

The monitoring data are extracted on PDU basis.

Data extraction, calibration, processing and statistics are performed at EUMETSAT.

2 Data quantity 22/08/2013 00:00:00 - 23/08/2013 00:00:00

Product Type	Number	Action
L0 HKTM PDUs	481	-
L0 IASI PDUs	481	-
L1 ENG PDUs	480	-
L1 ENG distinct GEPSGranule	481	-
L1 DPX PDUs (RM: IASI-HIRS)	480	-
L1 DPS Files (RM: OBS-CAL NWP based)	480	-

Table 1: Data quantity

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	10237	10250	20130822003416.530	20130822003420.854
PX1 (130)	10250	10252	20130822003420.854	20130822003421.288
PX1 (130)	10262	10282	20130822003423.448	20130822003429.288
PX1 (130)	10284	10286	20130822003429.717	20130822003430.151
PX1 (130)	10292	10294	20130822003431.448	20130822003431.881
PX1 (130)	10311	10342	20130822003437.069	20130822003445.288
PX1 (130)	10350	10431	20130822003447.014	20130822003509.069
PX1 (130)	10668	10680	20130822003612.420	20130822003615.014
PX1 (130)	10731	10757	20130822003629.069	20130822003636.201
PX1 (130)	10766	10774	20130822003638.147	20130822003639.877
PX1 (130)	10781	10811	20130822003641.389	20130822003649.393
PX1 (130)	10839	10847	20130822003656.959	20130822003700.201
PX1 (130)	10882	10964	20130822003709.283	20130822003730.037
PX1 (130)	10971	11025	20130822003733.065	20130822003746.252
PX1 (130)	12565	12567	20130822004437.954	20130822004438.388
PX1 (130)	15965	15967	20130822005944.092	20130822005944.526
PX1 (130)	1138	1140	20130822010639.431	20130822010639.865
PX1 (130)	1605	1607	20130822010844.657	20130822010845.087

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	4952	4954	20130822012336.308	20130822012336.737
PX1 (130)	1298	1315	20130822022010.447	20130822022015.639
PX1 (130)	1324	1334	20130822022017.584	20130822022021.260
PX1 (130)	1342	1429	20130822022022.990	20130822022046.338
PX1 (130)	2226	2240	20130822022418.044	20130822022422.587
PX1 (130)	2253	2259	20130822022425.396	20130822022428.208
PX1 (130)	2283	2310	20130822022433.396	20130822022440.747
PX1 (130)	2317	2399	20130822022442.263	20130822022504.533
PX1 (130)	3674	3696	20130822023045.278	20130822023050.036
PX1 (130)	3716	3745	20130822023055.872	20130822023103.657
PX1 (130)	3756	3758	20130822023106.036	20130822023106.469
PX1 (130)	3758	3789	20130822023106.469	20130822023116.196
PX1 (130)	3796	3810	20130822023117.711	20130822023120.739
PX1 (130)	3810	3815	20130822023120.739	20130822023121.817
PX1 (130)	4112	4195	20130822023241.168	20130822023303.652
PX1 (130)	4201	4210	20130822023304.949	20130822023308.410
PX1 (130)	4605	4618	20130822023453.488	20130822023456.297
PX1 (130)	4638	4647	20130822023502.137	20130822023504.082
PX1 (130)	4656	4659	20130822023506.027	20130822023508.191
PX1 (130)	4745	4792	20130822023529.812	20130822023543.000
PX1 (130)	6817	6829	20130822035732.597	20130822035735.190
PX1 (130)	6855	7079	20130822035742.327	20130822035841.354
PX1 (130)	7765	7794	20130822040144.518	20130822040152.303
PX1 (130)	7795	7797	20130822040152.518	20130822040152.951
PX1 (130)	7834	7847	20130822040202.463	20130822040206.787
PX1 (130)	7854	7971	20130822040208.303	20130822040239.654
PX1 (130)	8044	8055	20130822040258.463	20130822040302.354
PX1 (130)	8079	8101	20130822040309.057	20130822040313.815
PX1 (130)	8104	8188	20130822040314.463	20130822040337.166
PX1 (130)	8575	8585	20130822040520.513	20130822040524.189
PX1 (130)	8608	8615	20130822040529.162	20130822040532.189
PX1 (130)	8618	8705	20130822040532.838	20130822040556.189
PX1 (130)	9770	9802	20130822041039.423	20130822041047.856
PX1 (130)	9809	9817	20130822041049.368	20130822041052.614
PX1 (130)	9823	9915	20130822041053.911	20130822041118.341
PX1 (130)	10500	10505	20130822041353.579	20130822041356.172
PX1 (130)	10532	10805	20130822041402.012	20130822041516.172
PX1 (130)	10999	11009	20130822041607.199	20130822041609.359
PX1 (130)	11034	11075	20130822041616.277	20130822041628.172
PX1 (130)	11075	11264	20130822041628.172	20130822041718.113
PX1 (130)	12395	12409	20130822042220.159	20130822042223.187
PX1 (130)	12426	12436	20130822042228.378	20130822042230.538
PX1 (130)	12437	12439	20130822042230.753	20130822042231.187
PX1 (130)	12445	12527	20130822042232.483	20130822042254.753
PX1 (130)	12536	12556	20130822042256.698	20130822042302.538
PX1 (130)	12557	12575	20130822042302.753	20130822042308.159
PX1 (130)	12586	12625	20130822042310.538	20130822042320.483
PX1 (130)	13144	13155	20130822042538.463	20130822042542.358
PX1 (130)	13177	13185	20130822042548.624	20130822042550.358
PX1 (130)	13190	13272	20130822042551.436	20130822042613.706
PX1 (130)	13301	13317	20130822042621.491	20130822042624.948
PX1 (130)	13823	13825	20130822042840.080	20130822042840.510
PX1 (130)	14404	14406	20130822043114.451	20130822043116.400

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	14564	14566	20130822043158.127	20130822043158.560
PX1 (130)	15044	15046	20130822043406.122	20130822043406.556
PX1 (130)	15539	15541	20130822043617.364	20130822043617.798
PX1 (130)	16217	16219	20130822043918.762	20130822043919.196
PX1 (130)	1737	1739	20130822044745.776	20130822044746.210
PX1 (130)	2008	2010	20130822044858.018	20130822044858.452
PX2 (135)	10237	10251	20130822003416.530	20130822003421.069
PX2 (135)	10253	10255	20130822003421.503	20130822003421.936
PX2 (135)	10255	10257	20130822003421.936	20130822003422.370
PX2 (135)	10260	10280	20130822003423.014	20130822003428.854
PX2 (135)	10309	10311	20130822003436.639	20130822003437.069
PX2 (135)	10311	10343	20130822003437.069	20130822003445.502
PX2 (135)	10349	10431	20130822003446.799	20130822003509.069
PX2 (135)	10668	10679	20130822003612.420	20130822003614.799
PX2 (135)	10731	10757	20130822003629.069	20130822003636.201
PX2 (135)	10766	10775	20130822003638.147	20130822003640.092
PX2 (135)	10781	10811	20130822003641.389	20130822003649.393
PX2 (135)	10839	10847	20130822003656.959	20130822003700.201
PX2 (135)	10882	10964	20130822003709.283	20130822003730.037
PX2 (135)	10970	11025	20130822003732.850	20130822003746.252
PX2 (135)	12512	12514	20130822004423.470	20130822004423.903
PX2 (135)	12565	12567	20130822004437.954	20130822004438.388
PX2 (135)	12764	12766	20130822004530.063	20130822004530.493
PX2 (135)	1298	1315	20130822022010.447	20130822022015.639
PX2 (135)	1319	1321	20130822022016.502	20130822022016.936
PX2 (135)	1323	1325	20130822022017.369	20130822022017.799
PX2 (135)	1325	1333	20130822022017.799	20130822022021.041
PX2 (135)	1342	1429	20130822022022.990	20130822022046.338
PX2 (135)	2225	2239	20130822022417.830	20130822022422.369
PX2 (135)	2253	2259	20130822022425.396	20130822022428.208
PX2 (135)	2283	2310	20130822022433.396	20130822022440.747
PX2 (135)	2317	2399	20130822022442.263	20130822022504.533
PX2 (135)	3675	3696	20130822023045.493	20130822023050.036
PX2 (135)	3718	3745	20130822023056.305	20130822023103.657
PX2 (135)	3756	3758	20130822023106.036	20130822023106.469
PX2 (135)	3758	3789	20130822023106.469	20130822023116.196
PX2 (135)	3796	3815	20130822023117.711	20130822023121.817
PX2 (135)	4110	4194	20130822023240.735	20130822023303.438
PX2 (135)	4200	4210	20130822023304.734	20130822023308.410
PX2 (135)	4604	4618	20130822023453.273	20130822023456.297
PX2 (135)	4638	4647	20130822023502.137	20130822023504.082
PX2 (135)	4656	4659	20130822023506.027	20130822023508.191
PX2 (135)	4745	4792	20130822023529.812	20130822023543.000
PX2 (135)	9417	9419	20130822025616.086	20130822025616.516
PX2 (135)	6816	6829	20130822035732.382	20130822035735.190
PX2 (135)	6855	7079	20130822035742.327	20130822035841.354
PX2 (135)	7765	7796	20130822040144.518	20130822040152.737
PX2 (135)	7834	7847	20130822040202.463	20130822040206.787
PX2 (135)	7854	7971	20130822040208.303	20130822040239.654
PX2 (135)	8044	8055	20130822040258.463	20130822040302.354
PX2 (135)	8078	8100	20130822040308.842	20130822040313.596
PX2 (135)	8104	8188	20130822040314.463	20130822040337.166
PX2 (135)	8575	8585	20130822040520.513	20130822040524.189

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	8608	8615	20130822040529.162	20130822040532.189
PX2 (135)	8618	8705	20130822040532.838	20130822040556.189
PX2 (135)	9770	9802	20130822041039.423	20130822041047.856
PX2 (135)	9809	9817	20130822041049.368	20130822041052.614
PX2 (135)	9823	9915	20130822041053.911	20130822041118.341
PX2 (135)	10500	10505	20130822041353.579	20130822041356.172
PX2 (135)	10532	10805	20130822041402.012	20130822041516.172
PX2 (135)	10999	11009	20130822041607.199	20130822041609.359
PX2 (135)	11034	11075	20130822041616.277	20130822041628.172
PX2 (135)	11075	11263	20130822041628.172	20130822041717.898
PX2 (135)	12394	12409	20130822042218.433	20130822042223.187
PX2 (135)	12427	12436	20130822042228.593	20130822042230.538
PX2 (135)	12437	12439	20130822042230.753	20130822042231.187
PX2 (135)	12445	12526	20130822042232.483	20130822042254.538
PX2 (135)	12536	12555	20130822042256.698	20130822042302.319
PX2 (135)	12555	12557	20130822042302.319	20130822042302.753
PX2 (135)	12557	12575	20130822042302.753	20130822042308.159
PX2 (135)	12586	12625	20130822042310.538	20130822042320.483
PX2 (135)	13144	13155	20130822042538.463	20130822042542.358
PX2 (135)	13174	13176	20130822042546.463	20130822042548.409
PX2 (135)	13177	13185	20130822042548.624	20130822042550.358
PX2 (135)	13190	13272	20130822042551.436	20130822042613.706
PX2 (135)	13301	13317	20130822042621.491	20130822042624.948
PX2 (135)	13624	13626	20130822042746.459	20130822042748.405
PX2 (135)	14564	14566	20130822043158.127	20130822043158.560
PX2 (135)	14869	14871	20130822043319.208	20130822043319.638
PX2 (135)	15043	15045	20130822043405.907	20130822043406.341
PX2 (135)	15961	15963	20130822043809.794	20130822043810.227
PX2 (135)	37	39	20130822044013.465	20130822044013.899
PX2 (135)	726	728	20130822044317.246	20130822044317.676
PX3 (140)	10237	10250	20130822003416.530	20130822003420.854
PX3 (140)	10255	10257	20130822003421.936	20130822003422.370
PX3 (140)	10261	10280	20130822003423.233	20130822003428.854
PX3 (140)	10310	10343	20130822003436.854	20130822003445.502
PX3 (140)	10349	10431	20130822003446.799	20130822003509.069
PX3 (140)	10669	10679	20130822003612.635	20130822003614.799
PX3 (140)	10731	10757	20130822003629.069	20130822003636.201
PX3 (140)	10765	10774	20130822003637.932	20130822003639.877
PX3 (140)	10781	10811	20130822003641.389	20130822003649.393
PX3 (140)	10839	10847	20130822003656.959	20130822003700.201
PX3 (140)	10882	10964	20130822003709.283	20130822003730.037
PX3 (140)	10970	11024	20130822003732.850	20130822003746.037
PX3 (140)	12512	12514	20130822004423.470	20130822004423.903
PX3 (140)	13200	13202	20130822004727.032	20130822004727.465
PX3 (140)	14160	14162	20130822005143.023	20130822005143.457
PX3 (140)	1480	1482	20130822010810.064	20130822010810.493
PX3 (140)	2338	2340	20130822011159.462	20130822011159.891
PX3 (140)	1298	1314	20130822022010.447	20130822022015.420
PX3 (140)	1324	1333	20130822022017.584	20130822022021.041
PX3 (140)	1341	1429	20130822022022.772	20130822022046.338
PX3 (140)	1464	1466	20130822022055.420	20130822022055.854
PX3 (140)	2224	2239	20130822022417.615	20130822022422.369
PX3 (140)	2253	2259	20130822022425.396	20130822022428.208

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX3 (140)	2283	2310	20130822022433.396	20130822022440.747
PX3 (140)	2317	2399	20130822022442.263	20130822022504.533
PX3 (140)	3674	3696	20130822023045.278	20130822023050.036
PX3 (140)	3716	3745	20130822023055.872	20130822023103.657
PX3 (140)	3758	3789	20130822023106.469	20130822023116.196
PX3 (140)	3796	3815	20130822023117.711	20130822023121.817
PX3 (140)	4111	4194	20130822023240.949	20130822023303.438
PX3 (140)	4200	4210	20130822023304.734	20130822023308.410
PX3 (140)	4605	4618	20130822023453.488	20130822023456.297
PX3 (140)	4638	4647	20130822023502.137	20130822023504.082
PX3 (140)	4656	4659	20130822023506.027	20130822023508.191
PX3 (140)	4745	4791	20130822023529.812	20130822023542.785
PX3 (140)	6199	6201	20130822024158.342	20130822024158.772
PX3 (140)	9070	9072	20130822025444.411	20130822025444.844
PX3 (140)	9871	9873	20130822025816.945	20130822025817.379
PX3 (140)	12259	12261	20130822030854.334	20130822030854.764
PX3 (140)	6816	6829	20130822035732.382	20130822035735.190
PX3 (140)	6855	7079	20130822035742.327	20130822035841.354
PX3 (140)	7765	7793	20130822040144.518	20130822040152.088
PX3 (140)	7793	7796	20130822040152.088	20130822040152.737
PX3 (140)	7834	7847	20130822040202.463	20130822040206.787
PX3 (140)	7854	7971	20130822040208.303	20130822040239.654
PX3 (140)	8044	8054	20130822040258.463	20130822040302.139
PX3 (140)	8079	8100	20130822040309.057	20130822040313.596
PX3 (140)	8104	8188	20130822040314.463	20130822040337.166
PX3 (140)	8575	8586	20130822040520.513	20130822040524.404
PX3 (140)	8607	8615	20130822040528.943	20130822040532.189
PX3 (140)	8618	8705	20130822040532.838	20130822040556.189
PX3 (140)	9769	9802	20130822041039.208	20130822041047.856
PX3 (140)	9809	9817	20130822041049.368	20130822041052.614
PX3 (140)	9822	9915	20130822041053.692	20130822041118.341
PX3 (140)	10500	10505	20130822041353.579	20130822041356.172
PX3 (140)	10532	10805	20130822041402.012	20130822041516.172
PX3 (140)	10998	11008	20130822041606.981	20130822041609.145
PX3 (140)	11034	11075	20130822041616.277	20130822041628.172
PX3 (140)	11075	11263	20130822041628.172	20130822041717.898
PX3 (140)	12394	12409	20130822042218.433	20130822042223.187
PX3 (140)	12427	12435	20130822042228.593	20130822042230.323
PX3 (140)	12436	12439	20130822042230.538	20130822042231.187
PX3 (140)	12445	12526	20130822042232.483	20130822042254.538
PX3 (140)	12536	12555	20130822042256.698	20130822042302.319
PX3 (140)	12557	12575	20130822042302.753	20130822042308.159
PX3 (140)	12586	12625	20130822042310.538	20130822042320.483
PX3 (140)	13144	13155	20130822042538.463	20130822042542.358
PX3 (140)	13176	13185	20130822042548.409	20130822042550.358
PX3 (140)	13190	13272	20130822042551.436	20130822042613.706
PX3 (140)	13302	13317	20130822042621.706	20130822042624.948
PX3 (140)	13365	13367	20130822042638.354	20130822042638.788
PX3 (140)	15931	15933	20130822043801.794	20130822043802.227
PX3 (140)	726	728	20130822044317.246	20130822044317.676
PX3 (140)	2698	2700	20130822045202.022	20130822045202.456
PX4 (145)	10237	10250	20130822003416.530	20130822003420.854
PX4 (145)	10257	10259	20130822003422.370	20130822003422.799

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	10260	10279	20130822003423.014	20130822003428.635
PX4 (145)	10308	10310	20130822003436.420	20130822003436.854
PX4 (145)	10310	10342	20130822003436.854	20130822003445.288
PX4 (145)	10349	10431	20130822003446.799	20130822003509.069
PX4 (145)	10669	10679	20130822003612.635	20130822003614.799
PX4 (145)	10732	10757	20130822003629.283	20130822003636.201
PX4 (145)	10765	10774	20130822003637.932	20130822003639.877
PX4 (145)	10781	10810	20130822003641.389	20130822003649.174
PX4 (145)	10839	10847	20130822003656.959	20130822003700.201
PX4 (145)	10881	10964	20130822003709.065	20130822003730.037
PX4 (145)	10970	11025	20130822003732.850	20130822003746.252
PX4 (145)	2338	2340	20130822011159.462	20130822011159.891
PX4 (145)	1298	1314	20130822022010.447	20130822022015.420
PX4 (145)	1321	1323	20130822022016.936	20130822022017.369
PX4 (145)	1323	1333	20130822022017.369	20130822022021.041
PX4 (145)	1341	1428	20130822022022.772	20130822022046.123
PX4 (145)	2225	2239	20130822022417.830	20130822022422.369
PX4 (145)	2253	2259	20130822022425.396	20130822022428.208
PX4 (145)	2283	2309	20130822022433.396	20130822022440.533
PX4 (145)	2317	2399	20130822022442.263	20130822022504.533
PX4 (145)	3674	3696	20130822023045.278	20130822023050.036
PX4 (145)	3715	3744	20130822023055.657	20130822023103.442
PX4 (145)	3757	3789	20130822023106.250	20130822023116.196
PX4 (145)	3796	3815	20130822023117.711	20130822023121.817
PX4 (145)	4111	4193	20130822023240.949	20130822023303.223
PX4 (145)	4200	4210	20130822023304.734	20130822023308.410
PX4 (145)	4605	4618	20130822023453.488	20130822023456.297
PX4 (145)	4638	4647	20130822023502.137	20130822023504.082
PX4 (145)	4656	4659	20130822023506.027	20130822023508.191
PX4 (145)	4745	4791	20130822023529.812	20130822023542.785
PX4 (145)	9115	9117	20130822025455.653	20130822025456.087
PX4 (145)	11174	11176	20130822030405.261	20130822030405.695
PX4 (145)	11334	11336	20130822030447.421	20130822030447.855
PX4 (145)	6817	6829	20130822035732.597	20130822035735.190
PX4 (145)	6855	7079	20130822035742.327	20130822035841.354
PX4 (145)	7765	7793	20130822040144.518	20130822040152.088
PX4 (145)	7793	7796	20130822040152.088	20130822040152.737
PX4 (145)	7803	7805	20130822040154.248	20130822040156.194
PX4 (145)	7834	7847	20130822040202.463	20130822040206.787
PX4 (145)	7854	7971	20130822040208.303	20130822040239.654
PX4 (145)	8044	8054	20130822040258.463	20130822040302.139
PX4 (145)	8054	8056	20130822040302.139	20130822040302.572
PX4 (145)	8079	8100	20130822040309.057	20130822040313.596
PX4 (145)	8104	8187	20130822040314.463	20130822040336.947
PX4 (145)	8575	8585	20130822040520.513	20130822040524.189
PX4 (145)	8608	8615	20130822040529.162	20130822040532.189
PX4 (145)	8617	8705	20130822040532.623	20130822040556.189
PX4 (145)	9769	9802	20130822041039.208	20130822041047.856
PX4 (145)	9808	9816	20130822041049.153	20130822041052.395
PX4 (145)	9822	9915	20130822041053.692	20130822041118.341
PX4 (145)	10500	10505	20130822041353.579	20130822041356.172
PX4 (145)	10533	10805	20130822041402.227	20130822041516.172
PX4 (145)	10998	11008	20130822041606.981	20130822041609.145

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX4 (145)	11008	11010	20130822041609.145	20130822041609.578
PX4 (145)	11034	11075	20130822041616.277	20130822041628.172
PX4 (145)	11075	11263	20130822041628.172	20130822041717.898
PX4 (145)	12394	12410	20130822042218.433	20130822042223.405
PX4 (145)	12426	12435	20130822042228.378	20130822042230.323
PX4 (145)	12436	12440	20130822042230.538	20130822042231.405
PX4 (145)	12445	12526	20130822042232.483	20130822042254.538
PX4 (145)	12536	12555	20130822042256.698	20130822042302.319
PX4 (145)	12556	12558	20130822042302.538	20130822042302.972
PX4 (145)	12558	12575	20130822042302.972	20130822042308.159
PX4 (145)	12584	12586	20130822042310.104	20130822042310.538
PX4 (145)	12586	12625	20130822042310.538	20130822042320.483
PX4 (145)	13144	13154	20130822042538.463	20130822042542.139
PX4 (145)	13176	13184	20130822042548.409	20130822042550.139
PX4 (145)	13190	13272	20130822042551.436	20130822042613.706
PX4 (145)	13302	13317	20130822042621.706	20130822042624.948
PX4 (145)	15151	15153	20130822043433.798	20130822043434.232
PX4 (145)	15931	15933	20130822043801.794	20130822043802.227
PX4 (145)	1364	1366	20130822044606.968	20130822044607.402
IMG (150)	8585	8603	20130822003416.530	20130822003421.069
IMG (150)	8612	8635	20130822003423.014	20130822003428.635
IMG (150)	8668	8670	20130822003436.420	20130822003436.854
IMG (150)	8670	8672	20130822003436.854	20130822003437.284
IMG (150)	8672	8705	20130822003437.284	20130822003445.069
IMG (150)	8713	8807	20130822003446.799	20130822003509.069
IMG (150)	9076	9086	20130822003612.420	20130822003614.580
IMG (150)	9147	9173	20130822003629.069	20130822003634.905
IMG (150)	9185	9194	20130822003637.932	20130822003639.877
IMG (150)	9200	9234	20130822003641.174	20130822003649.174
IMG (150)	9266	9275	20130822003656.740	20130822003658.904
IMG (150)	9308	9311	20130822003706.471	20130822003707.553
IMG (150)	9317	9408	20130822003709.065	20130822003730.037
IMG (150)	9418	9476	20130822003732.850	20130822003746.037
IMG (150)	5956	5958	20130822012813.272	20130822012813.705
IMG (150)	2822	2842	20130822022010.447	20130822022015.420
IMG (150)	2851	2865	20130822022017.369	20130822022021.041
IMG (150)	2873	2972	20130822022022.772	20130822022046.123
IMG (150)	3873	3890	20130822022417.830	20130822022422.154
IMG (150)	3905	3915	20130822022425.396	20130822022428.208
IMG (150)	3938	3969	20130822022433.181	20130822022440.533
IMG (150)	3977	4071	20130822022442.263	20130822022504.533
IMG (150)	5518	5539	20130822023045.278	20130822023049.817
IMG (150)	5563	5565	20130822023055.657	20130822023056.090
IMG (150)	5565	5596	20130822023056.090	20130822023103.442
IMG (150)	5610	5645	20130822023106.469	20130822023114.899
IMG (150)	5655	5675	20130822023117.493	20130822023121.817
IMG (150)	6011	6105	20130822023240.949	20130822023303.223
IMG (150)	6112	6126	20130822023304.734	20130822023308.410
IMG (150)	6572	6586	20130822023453.273	20130822023456.297
IMG (150)	6610	6619	20130822023502.137	20130822023504.082
IMG (150)	6627	6631	20130822023505.812	20130822023506.894
IMG (150)	6729	6783	20130822023529.812	20130822023542.785
IMG (150)	8643	8645	20130822024300.608	20130822024301.042

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	11826	11828	20130822025529.165	20130822025529.598
IMG (150)	14018	14020	20130822030405.261	20130822030405.695
IMG (150)	11264	11277	20130822035732.382	20130822035735.190
IMG (150)	11307	11559	20130822035742.327	20130822035841.354
IMG (150)	11582	11584	20130822035846.975	20130822035847.405
IMG (150)	12337	12369	20130822040144.518	20130822040152.088
IMG (150)	12369	12371	20130822040152.088	20130822040152.518
IMG (150)	12416	12418	20130822040203.112	20130822040203.764
IMG (150)	12418	12430	20130822040203.764	20130822040206.572
IMG (150)	12437	12570	20130822040208.088	20130822040239.436
IMG (150)	12652	12666	20130822040258.463	20130822040302.139
IMG (150)	12694	12716	20130822040308.842	20130822040313.596
IMG (150)	12720	12815	20130822040314.463	20130822040336.947
IMG (150)	13254	13266	20130822040520.295	20130822040523.107
IMG (150)	13266	13268	20130822040523.107	20130822040523.756
IMG (150)	13292	13299	20130822040529.162	20130822040530.892
IMG (150)	13305	13401	20130822040532.623	20130822040554.888
IMG (150)	14609	14646	20130822041039.208	20130822041047.856
IMG (150)	14652	14664	20130822041049.153	20130822041052.395
IMG (150)	14670	14775	20130822041053.692	20130822041118.341
IMG (150)	15436	15444	20130822041353.579	20130822041355.743
IMG (150)	15472	15785	20130822041402.012	20130822041516.172
IMG (150)	16002	16012	20130822041606.981	20130822041609.145
IMG (150)	16042	16087	20130822041616.277	20130822041626.875
IMG (150)	16090	16303	20130822041627.738	20130822041717.898
IMG (150)	1202	1217	20130822042219.730	20130822042223.187
IMG (150)	1238	1247	20130822042228.378	20130822042230.323
IMG (150)	1249	1251	20130822042230.753	20130822042231.187
IMG (150)	1256	1350	20130822042232.269	20130822042254.538
IMG (150)	1360	1383	20130822042256.698	20130822042302.319
IMG (150)	1383	1386	20130822042302.319	20130822042302.972
IMG (150)	1387	1403	20130822042303.186	20130822042306.862
IMG (150)	1417	1461	20130822042310.323	20130822042320.483
IMG (150)	2048	2062	20130822042538.463	20130822042542.139
IMG (150)	2088	2096	20130822042548.409	20130822042550.139
IMG (150)	2101	2196	20130822042551.221	20130822042613.706
IMG (150)	2230	2245	20130822042621.706	20130822042624.948
IMG (150)	5197	5199	20130822043759.630	20130822043800.063
IMG (150)	6414	6416	20130822044246.109	20130822044246.543
IMG (150)	6687	6689	20130822044350.324	20130822044350.758
IMG (150)	9167	9169	20130822045333.912	20130822045334.346
VER (160)	2232	2243	20130822003410.475	20130822003434.475
VER (160)	2247	2268	20130822003434.475	20130822003514.475
VER (160)	2317	2321	20130822003626.471	20130822003629.283
VER (160)	2322	2328	20130822003629.283	20130822003650.471
VER (160)	2332	2337	20130822003650.471	20130822003656.959
VER (160)	2337	2353	20130822003656.959	20130822003730.471
VER (160)	2357	2363	20130822003730.471	20130822003746.471
VER (160)	2584	2586	20130822004338.497	20130822004338.497
VER (160)	6204	6228	20130822022010.447	20130822022050.447
VER (160)	6357	6388	20130822022410.478	20130822022506.478
VER (160)	6602	6604	20130822023042.469	20130822023050.469
VER (160)	6607	6621	20130822023050.469	20130822023106.469
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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	6672	6693	20130822023234.465	20130822023314.465
VER (160)	6762	6766	20130822023458.461	20130822023506.027
VER (160)	6777	6788	20130822023522.461	20130822023546.461
VER (160)	8094	8096	20130822031034.440	20130822031034.440
VER (160)	8125	8127	20130822031122.475	20130822031122.475
VER (160)	9862	9898	20130822035738.436	20130822035842.432
VER (160)	10012	10018	20130822040138.463	20130822040154.463
VER (160)	10027	10048	20130822040202.463	20130822040242.463
VER (160)	10058	10063	20130822040258.463	20130822040306.463
VER (160)	10067	10083	20130822040306.463	20130822040338.463
VER (160)	10147	10152	20130822040514.459	20130822040520.513
VER (160)	10152	10155	20130822040520.513	20130822040529.162
VER (160)	10157	10169	20130822040529.162	20130822040532.838
VER (160)	10347	10373	20130822041034.450	20130822041122.450
VER (160)	10467	10472	20130822041346.446	20130822041353.579
VER (160)	10472	10523	20130822041353.579	20130822041522.442
VER (160)	10557	10566	20130822041610.441	20130822041616.277
VER (160)	10567	10598	20130822041616.277	20130822041722.437
VER (160)	10792	10817	20130822042226.429	20130822042303.186
VER (160)	10817	10823	20130822042303.186	20130822042322.429
VER (160)	10910	10913	20130822042538.463	20130822042546.463
VER (160)	10917	10933	20130822042546.463	20130822042618.463
VER (160)	11095	11097	20130822043034.455	20130822043034.455
AUX (180)	3682	3685	20130822003410.909	20130822003434.909
AUX (180)	3685	3690	20130822003434.909	20130822003514.905
AUX (180)	3700	3702	20130822003634.905	20130822003650.905
AUX (180)	3703	3707	20130822003658.904	20130822003730.904
AUX (180)	3707	3709	20130822003730.904	20130822003746.904
AUX (180)	4476	4482	20130822022002.881	20130822022050.881
AUX (180)	4507	4514	20130822022410.912	20130822022506.908
AUX (180)	4557	4560	20130822023050.899	20130822023114.899
AUX (180)	4570	4575	20130822023234.899	20130822023314.899
AUX (180)	4591	4594	20130822023522.894	20130822023546.890
AUX (180)	5208	5216	20130822035738.866	20130822035842.866
AUX (180)	5238	5240	20130822040138.897	20130822040154.897
AUX (180)	5241	5246	20130822040202.897	20130822040242.897
AUX (180)	5247	5249	20130822040250.897	20130822040306.897
AUX (180)	5249	5253	20130822040306.897	20130822040338.896
AUX (180)	5265	5267	20130822040514.892	20130822040530.892
AUX (180)	5267	5270	20130822040530.892	20130822040554.888
AUX (180)	5305	5311	20130822041034.884	20130822041122.884
AUX (180)	5330	5341	20130822041354.875	20130822041522.875
AUX (180)	5347	5349	20130822041610.875	20130822041626.875
AUX (180)	5349	5356	20130822041626.875	20130822041722.871
AUX (180)	5394	5399	20130822042226.862	20130822042306.862
AUX (180)	5399	5401	20130822042306.862	20130822042322.862
AUX (180)	5417	5419	20130822042530.897	20130822042546.897
AUX (180)	5419	5423	20130822042546.897	20130822042618.893

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
22/08/2013 00:00:57	-	Normal operation

Table 3: Instrument modes

4 L0 and L1 Data Quality

Flag	Value	Action
L0 IASI PDUs	481	-
L1 ENG PDUs	480	-
L1 ENG distinct GEPSGranule	481	-
GQisFlagQual set (PX1)	99.05 %	-
GQisFlagQual set (PX2)	98.91 %	-
GQisFlagQual set (PX3)	98.96 %	-
GQisFlagQual set (PX4)	99.07 %	-
GQisFlagQual set (all)	99.00 %	-

Table 4: Quality flags

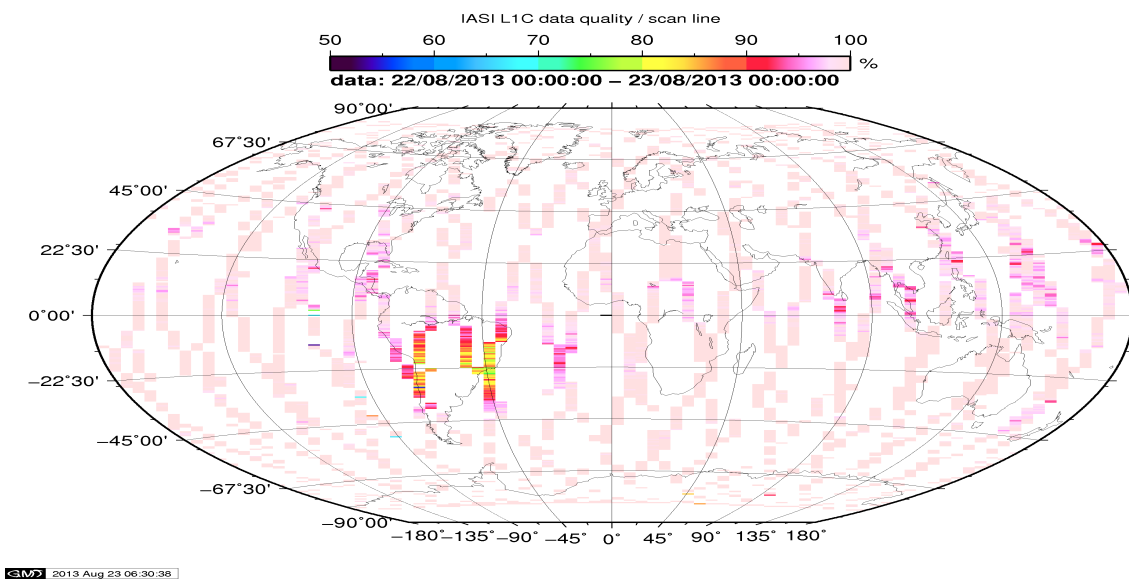


Figure 1: L1C data quality

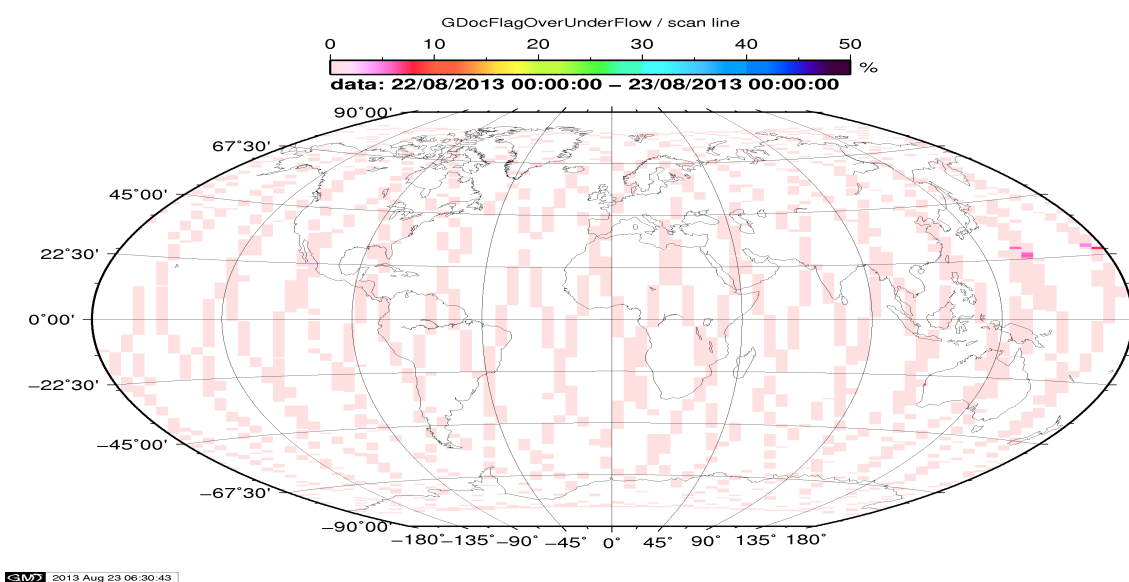


Figure 2: Flag of Over and Under Flows

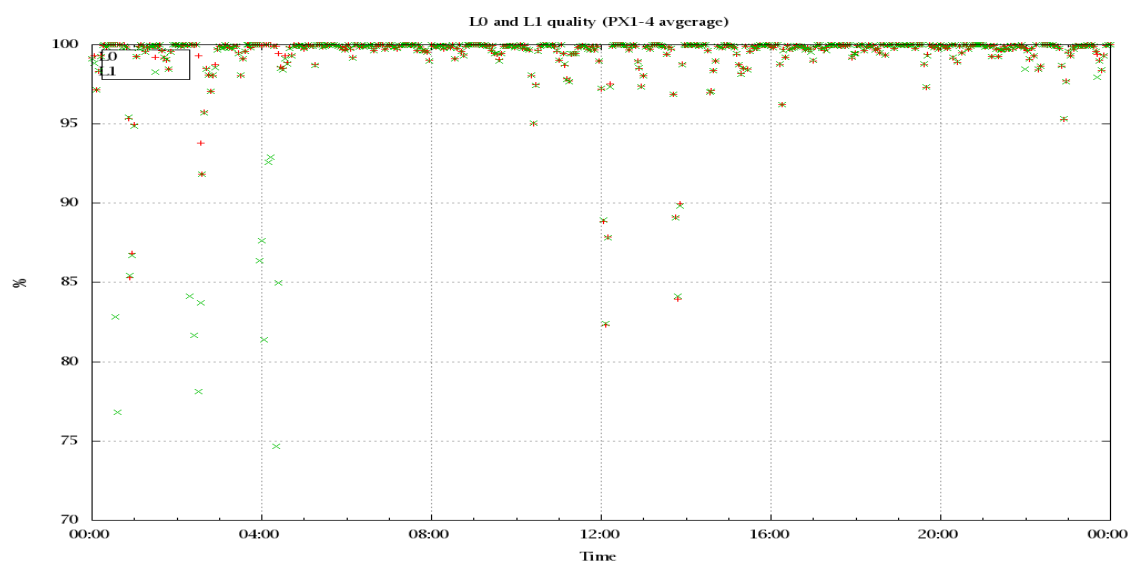


Figure 3: Level 0 and 1C overall quality

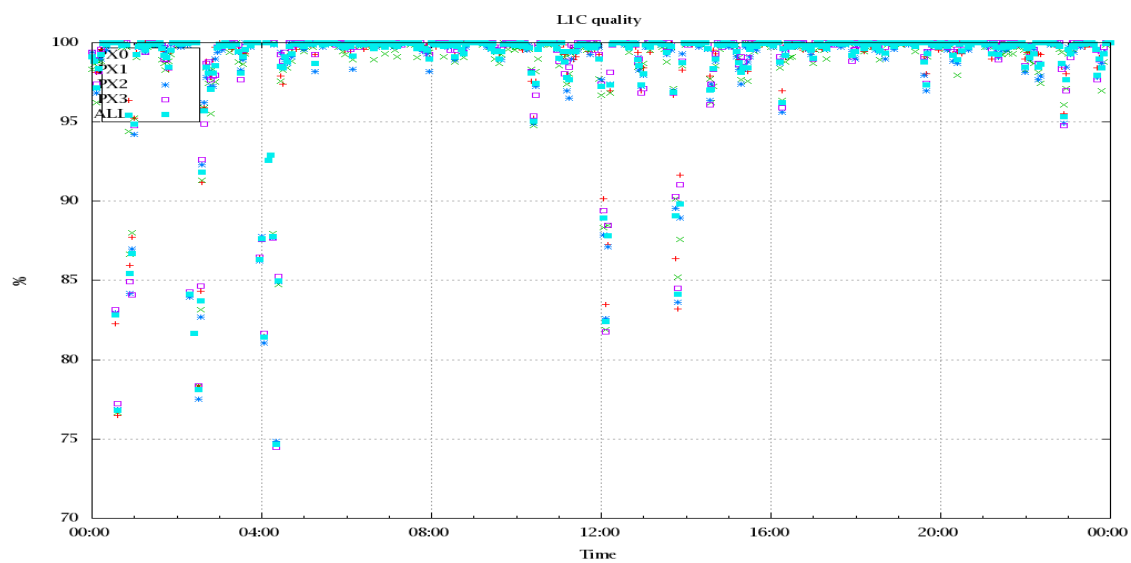


Figure 4: Level 1C quality

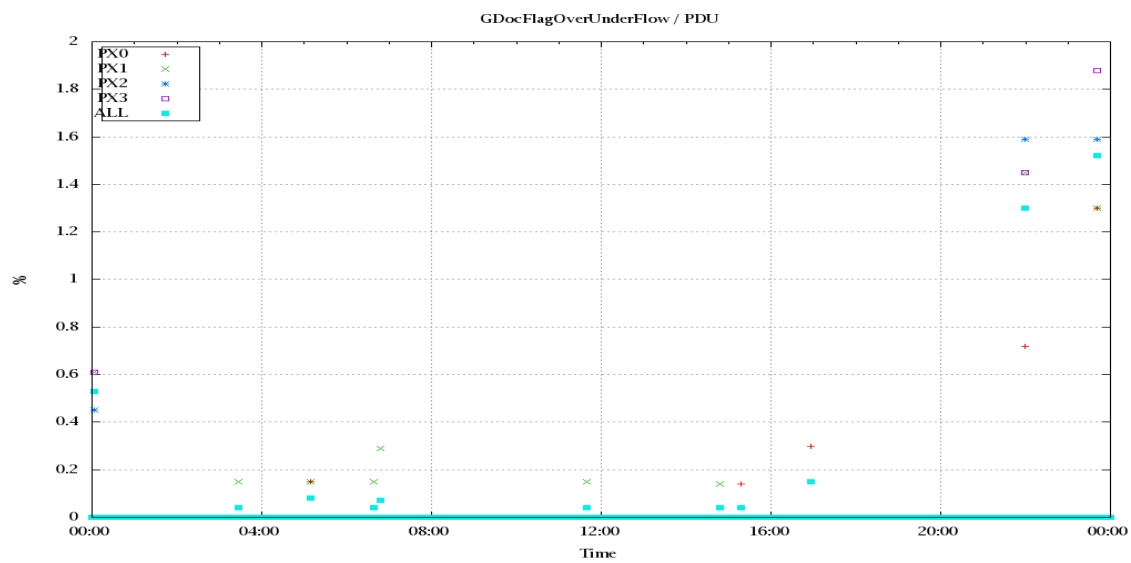


Figure 5: OverUnderFlowFlag timeseries

5 Radiance monitoring based on NWP

The radiance monitoring compares the IASI measurements (L1C-eps-products) obtained under clear sky situation over sea with modeled radiances. Cloud identification is based on cloud flag of co-located AVHRR L1B data in addition to information from the IASI L1C clustering analysis here only homogenous situations are taken into account (99.0 percent in first class). A radiative transfer model (RTM) is feed with co-located ECMWF profiles of T,WV, and Ozon. Between March 2007 and the 18th of May 2010 RTIASI in Version 4.0 is used. After that date the RTTOV model in V9.3 is used. Information about the SST is obtained from the AVHRR L1B or taken from AVHRR scenes analysis (CGS only). In the following figures 10 to 16 the so-called radiance anomaly is shown. The radiance anomaly is defined as the difference between the quarter daily radiance average OBS-CAL (over all pixel and scan position 10 to 20) and the average bias OBS-CAL (over all pixel and scan position 10 to 20) of the last 30 days.

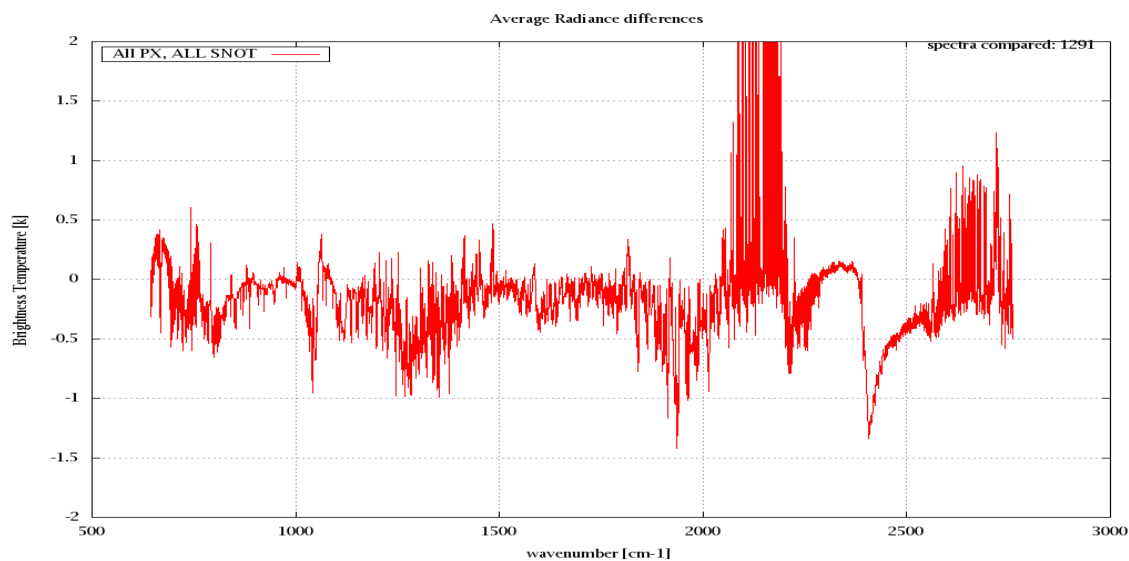


Figure 6: Average Radiance differences: OBS-CAL

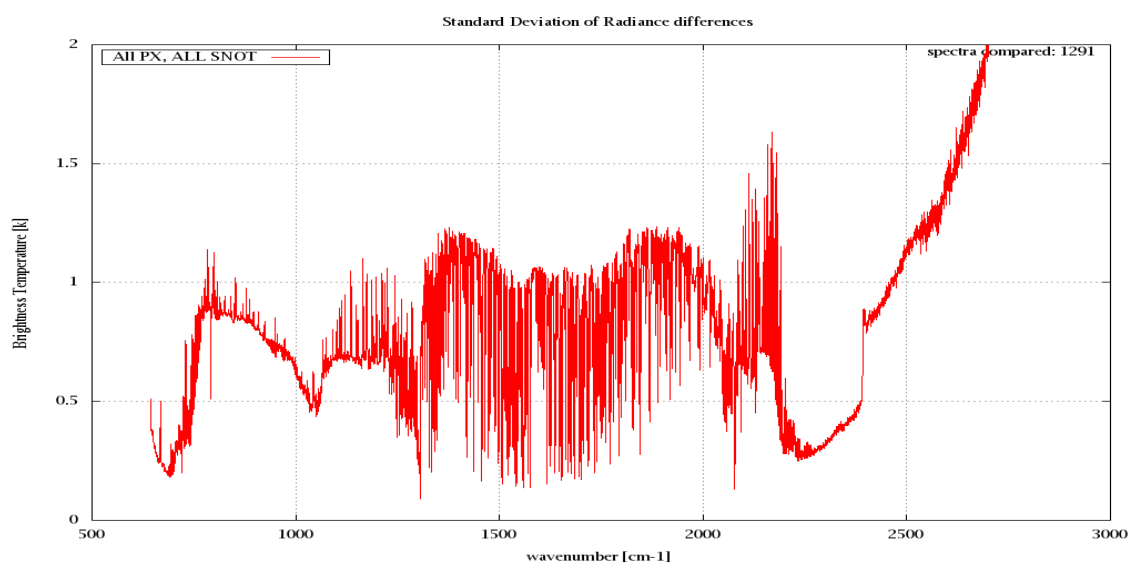


Figure 7: Standard Deviation of Radiance differences

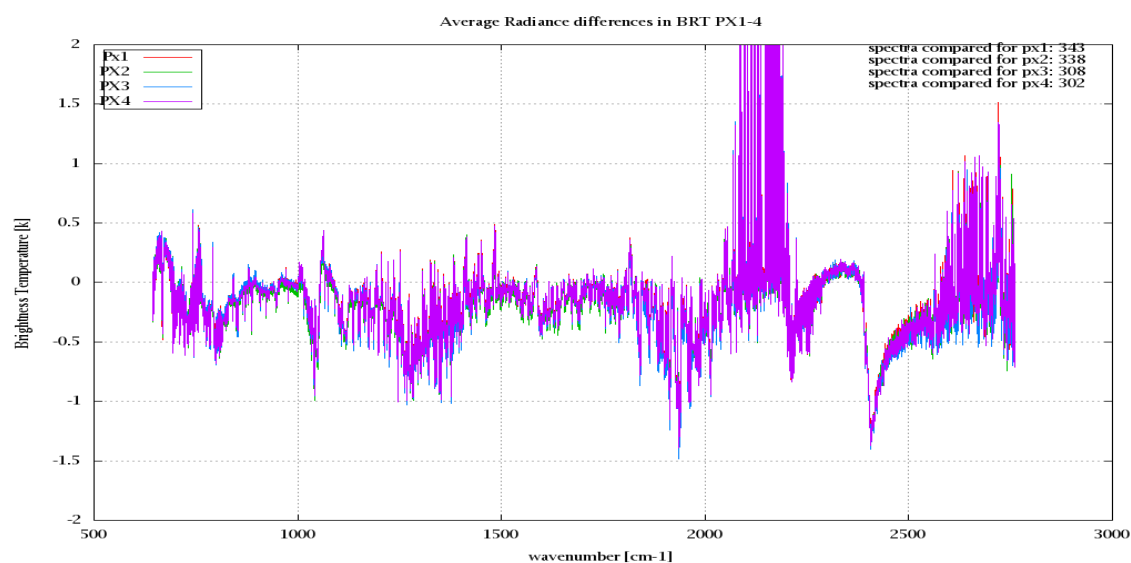


Figure 8: Average Radiance differences: OBS-CAL

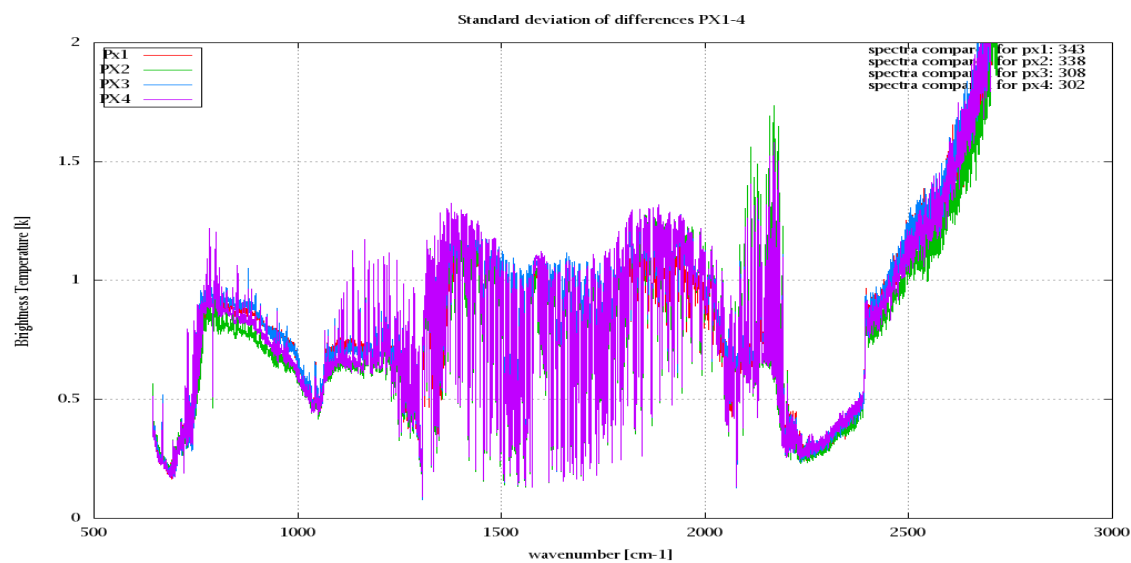


Figure 9: Standard Deviation of Radiance differences

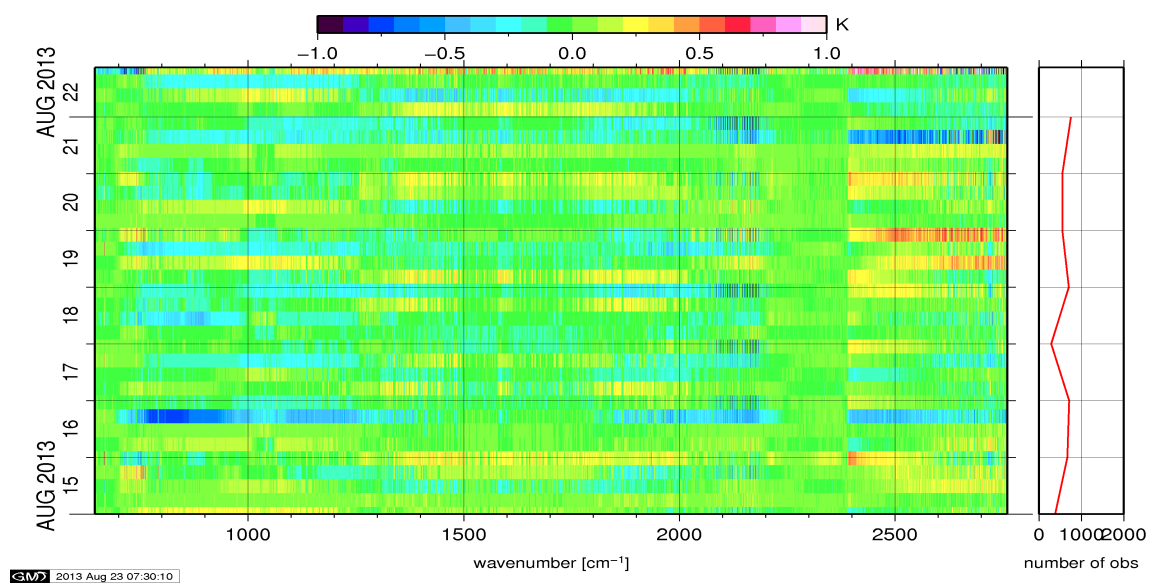


Figure 10: Radiance Anomaly in BRT: All Channels

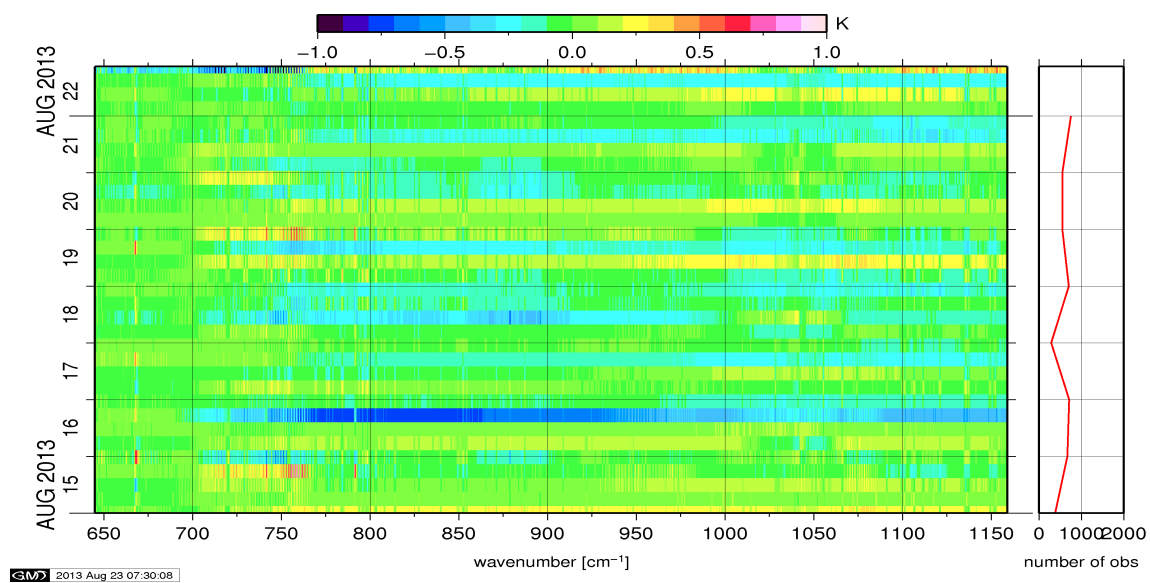


Figure 11: Radiance Anomaly in BRT: IASI Band 1

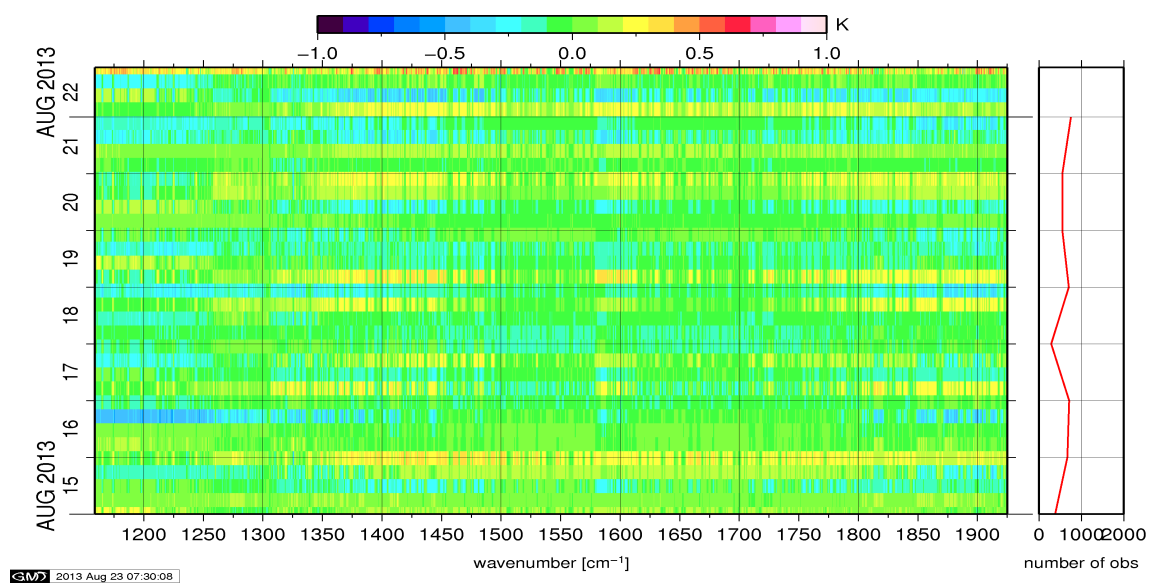


Figure 12: Radiance Anomaly in BRT: IASI Band 2

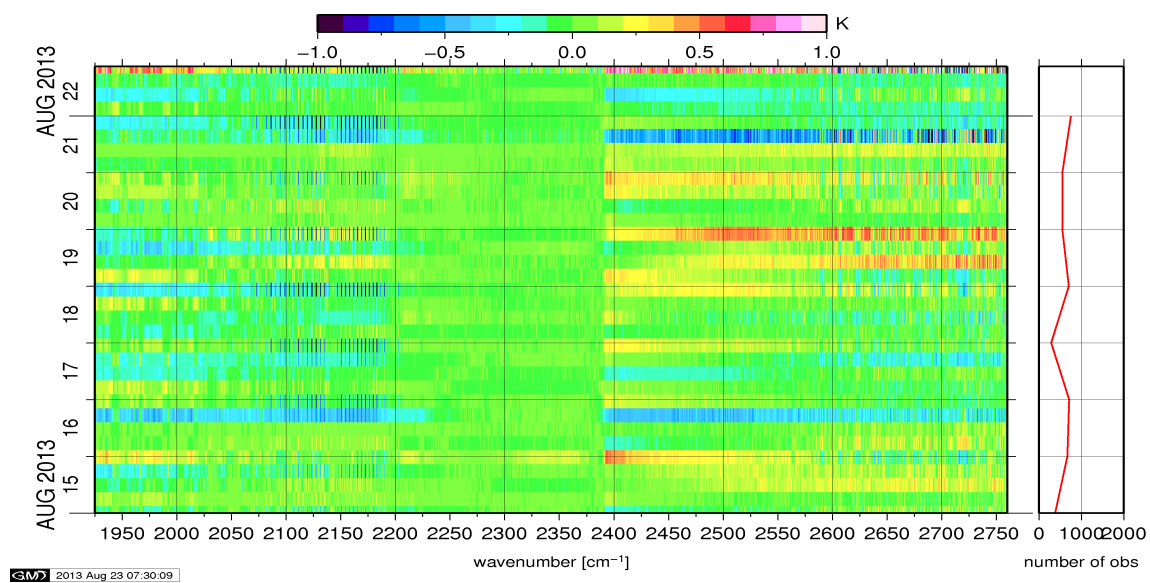


Figure 13: Radiance Anomaly in BRT: IASI Band 3

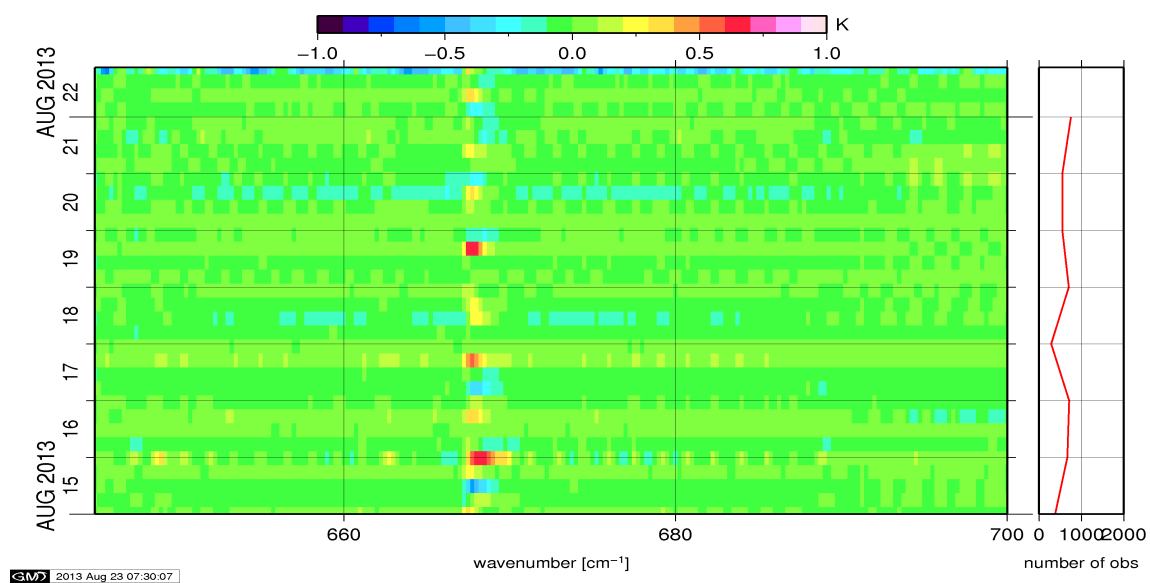


Figure 14: Radiance Anomaly in BRT: CO2 14

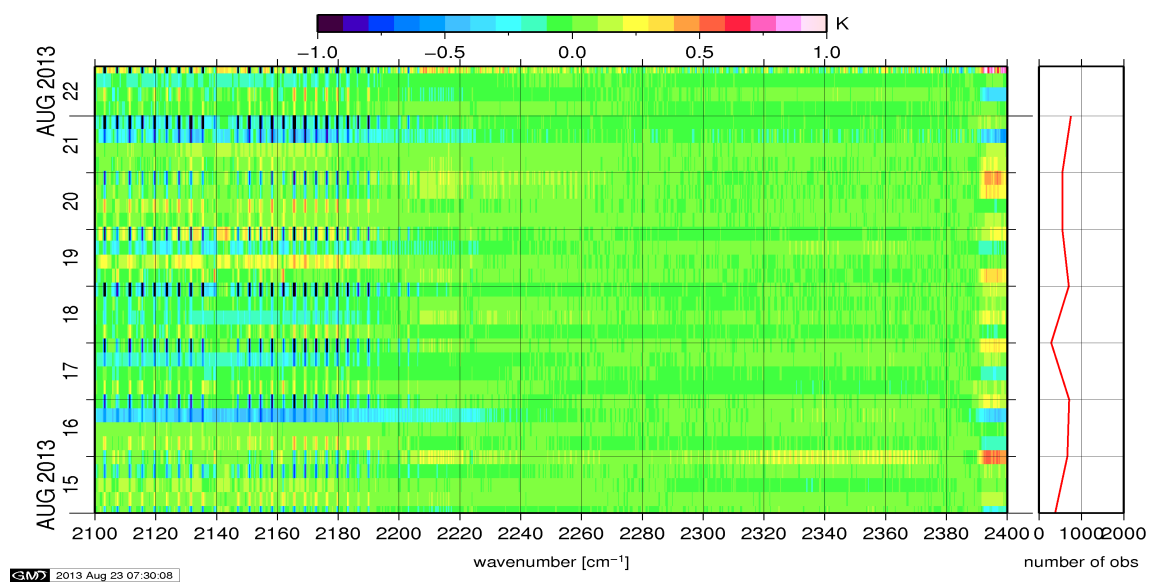


Figure 15: Radiance Anomaly in BRT: CO2 4.3

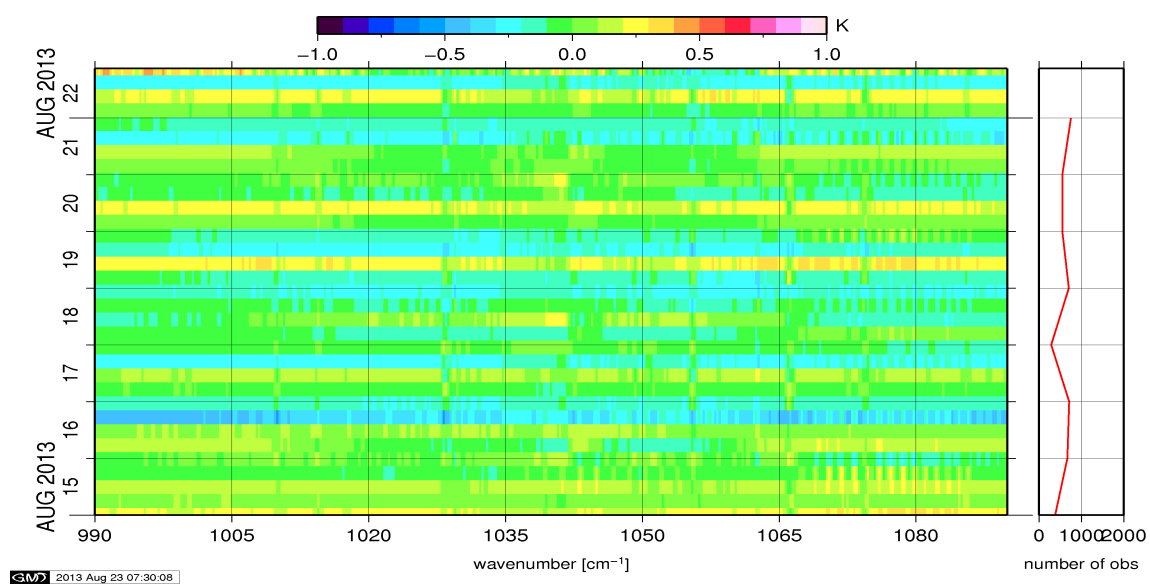


Figure 16: Radiance Anomaly in BRT: O3

6 IASI-HIRS radiance comparison Channel 1-19

The radiance comparison of IASI and HIRS/4 on-board MetOp is performed on all pixel with distances smaller than 3 km between IASI and HIRS. All sky conditions are covered. The radiance differences IASI - HIRS are given in brightness temperatures at 280K reference temperature. All conditions (clear, cloudy, day and night) are given in red in the following figures. The clear sky conditions at night are given in green and the clear sky cases during daylight are displayed in blue.

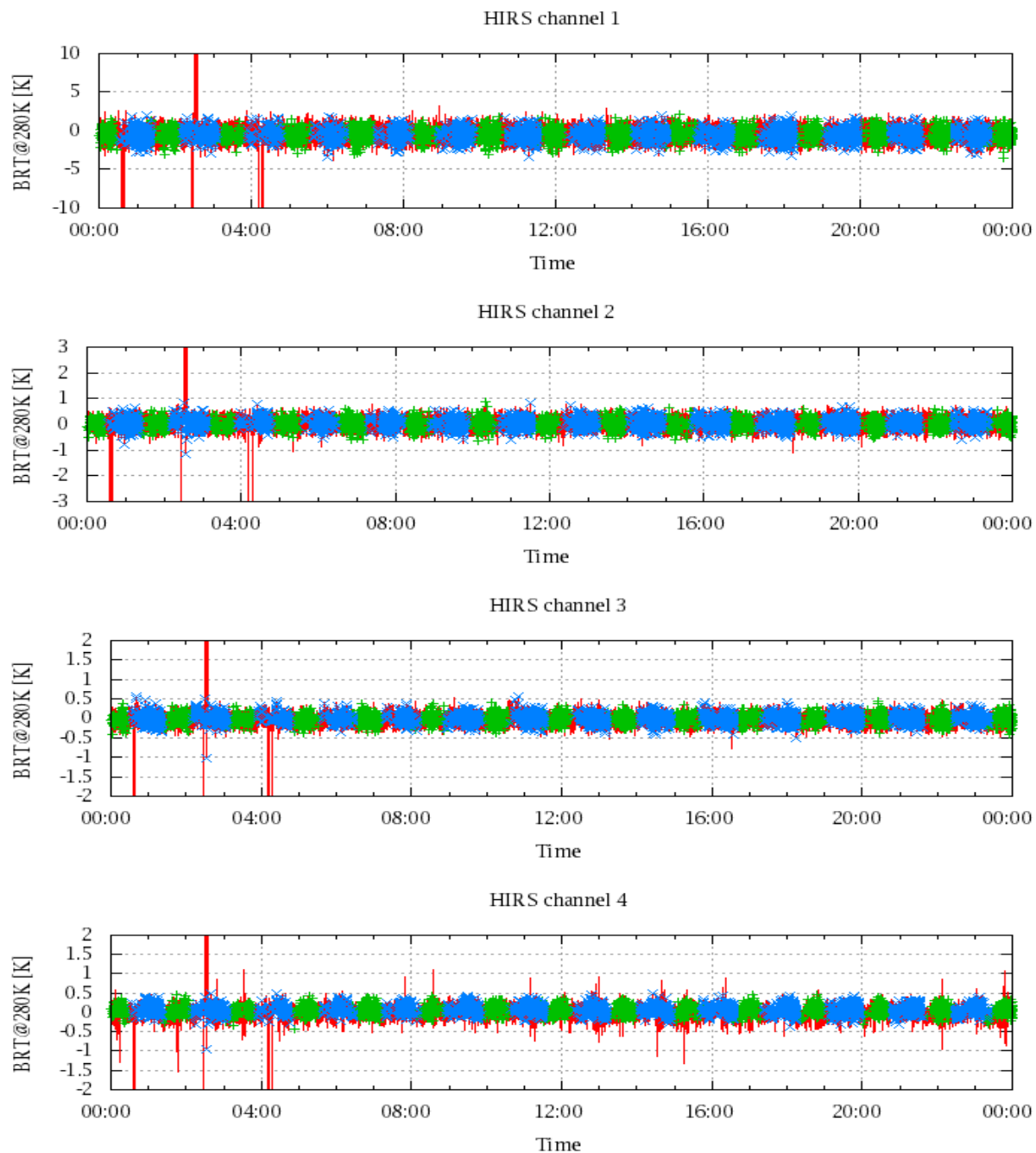


Figure 17: Radiance Differences in BRT

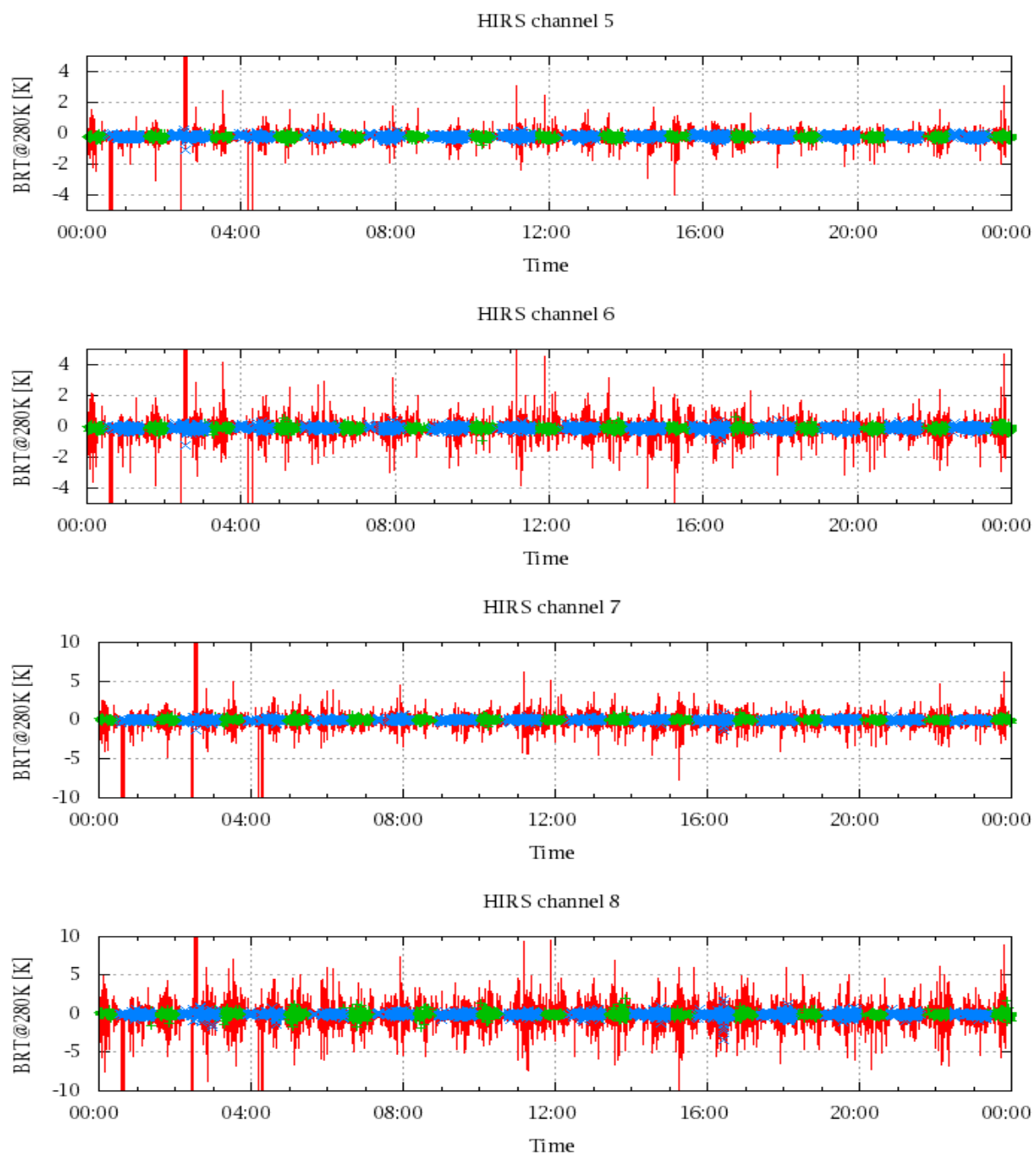


Figure 18: Radiance Differences in BRT

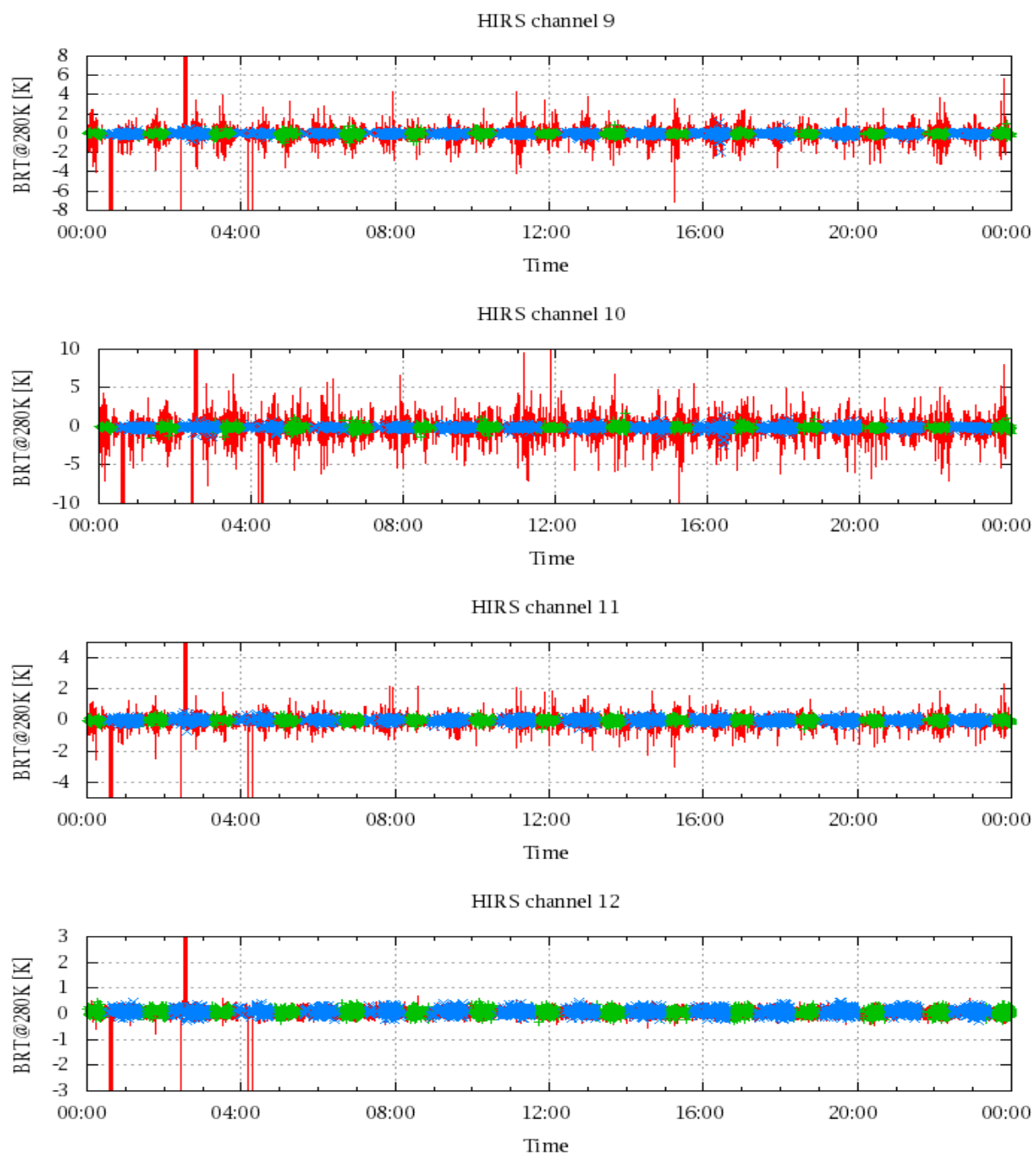


Figure 19: Radiance Differences in BRT

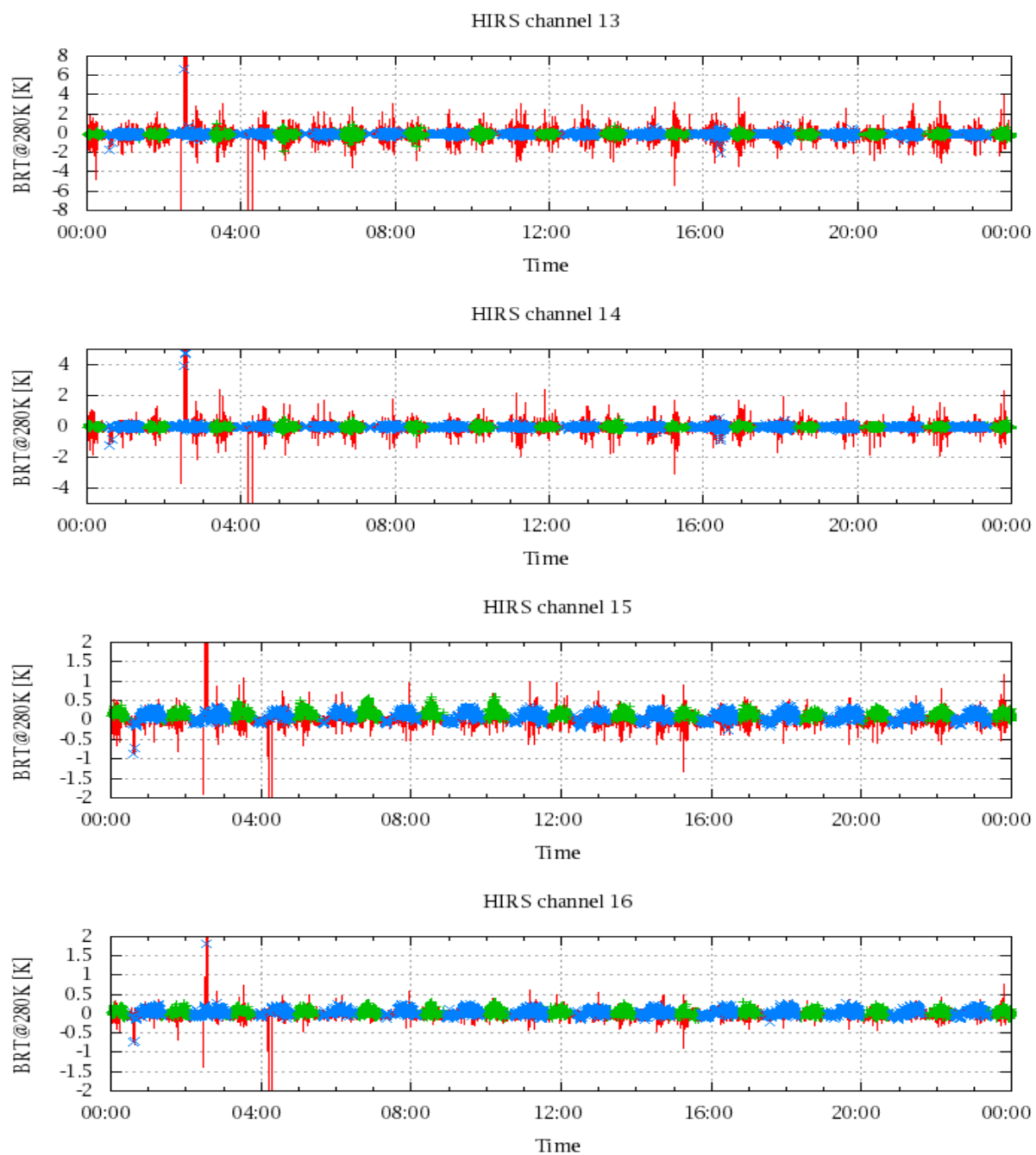


Figure 20: Radiance Differences in BRT

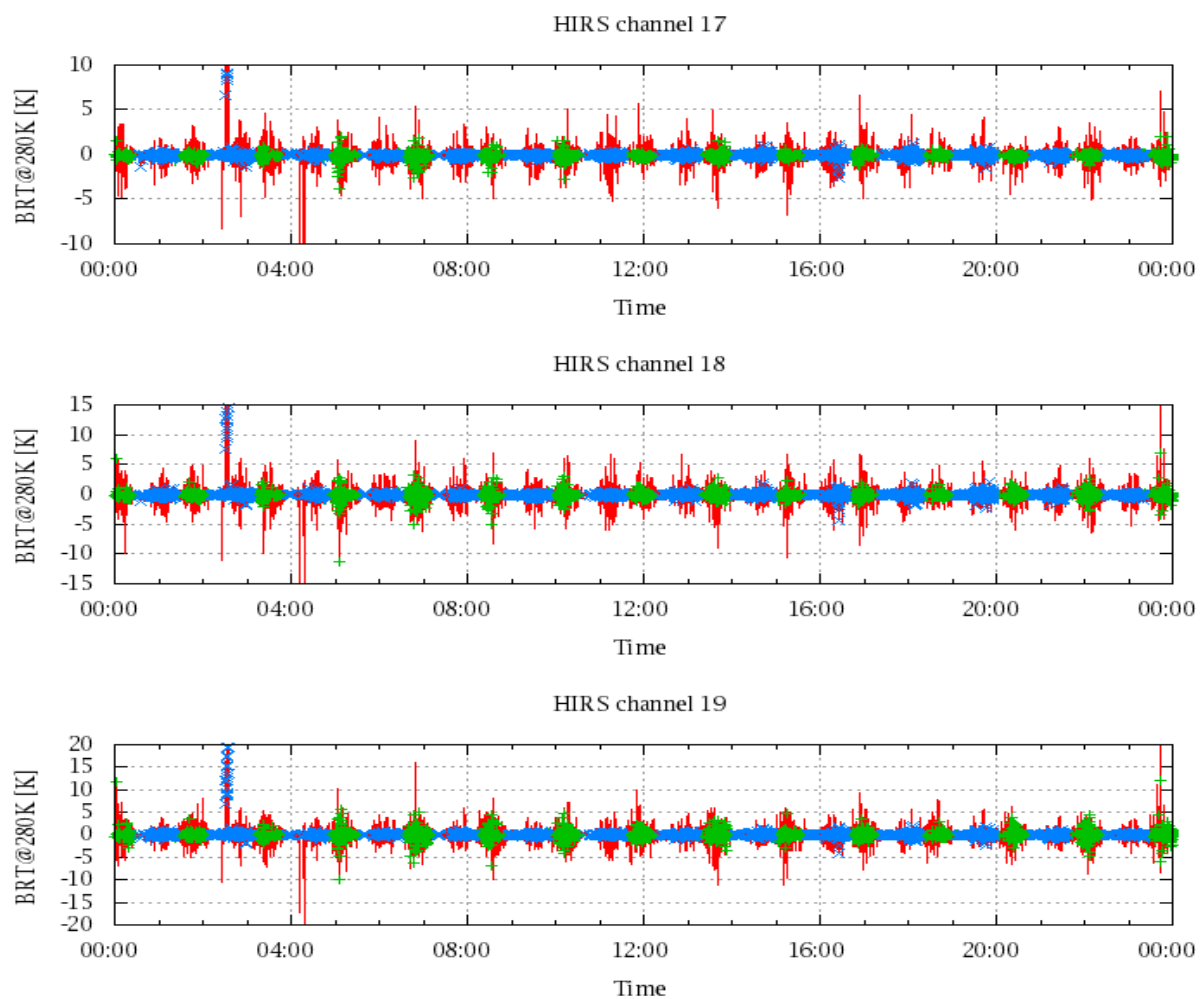


Figure 21: Radinace Differences in BRT