

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

19/05/2015 00:00:00 - 20/05/2015 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 19/05/2015 00:00:00 - 20/05/2015 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 19/05/2015 00:00:00 - 20/05/2015 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)	10160	10283	20150519125745.098	20150519125817.746
PX1 (130)	10288	10304	20150519125818.828	20150519125823.801
PX1 (130)	10307	10312	20150519125824.449	20150519125825.531
PX1 (130)	10314	10316	20150519125825.965	20150519125826.394
PX1 (130)	10334	10336	20150519125831.801	20150519125832.234
PX1 (130)	10346	10348	20150519125834.394	20150519125834.828
PX1 (130)	10348	10350	20150519125834.828	20150519125836.773
PX1 (130)	10351	10354	20150519125836.988	20150519125837.640
PX1 (130)	10361	10363	20150519125839.152	20150519125839.586
PX1 (130)	10365	10367	20150519125840.015	20150519125840.449
PX1 (130)	10367	10369	20150519125840.449	20150519125840.883
PX1 (130)	10370	10379	20150519125841.098	20150519125844.558
PX1 (130)	10379	10385	20150519125844.558	20150519125845.855
PX1 (130)	10385	10389	20150519125845.855	20150519125846.719
PX1 (130)	10389	10393	20150519125846.719	20150519125847.586
PX1 (130)	10394	10398	20150519125847.801	20150519125848.664
PX1 (130)	10398	10408	20150519125848.664	20150519125850.828
PX1 (130)	10408	10421	20150519125850.828	20150519125855.152

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	10421	10427	20150519125855.152	20150519125856.449
PX1 (130)	10427	10438	20150519125856.449	20150519125858.828
PX1 (130)	10438	10444	20150519125858.828	20150519125901.637
PX1 (130)	10444	10446	20150519125901.637	20150519125902.070
PX1 (130)	10446	10461	20150519125902.070	20150519125905.312
PX1 (130)	10461	10465	20150519125905.312	20150519125906.179
PX1 (130)	10465	10469	20150519125906.179	20150519125908.558
PX1 (130)	10551	10558	20150519125929.312	20150519125930.828
PX1 (130)	10558	10565	20150519125930.828	20150519125933.855
PX1 (130)	10565	10568	20150519125933.855	20150519125934.504
PX1 (130)	10568	10589	20150519125934.504	20150519125940.554
PX1 (130)	10589	10603	20150519125940.554	20150519125943.582
PX1 (130)	10603	10610	20150519125943.582	20150519125945.097
PX1 (130)	10610	10621	20150519125945.097	20150519125948.988
PX1 (130)	10621	10626	20150519125948.988	20150519125950.070
PX1 (130)	10626	10630	20150519125950.070	20150519125950.933
PX1 (130)	10630	10632	20150519125950.933	20150519125951.367
PX1 (130)	10632	10637	20150519125951.367	20150519125952.449
PX1 (130)	10637	10639	20150519125952.449	20150519125952.879
PX1 (130)	10639	10641	20150519125952.879	20150519125953.312
PX1 (130)	10641	10646	20150519125953.312	20150519125954.394
PX1 (130)	10646	10649	20150519125954.394	20150519125956.554
PX1 (130)	10649	10651	20150519125956.554	20150519125956.988
PX1 (130)	10651	10656	20150519125956.988	20150519125958.070
PX1 (130)	10656	10658	20150519125958.070	20150519125958.500
PX1 (130)	10658	10661	20150519125958.500	20150519125959.148
PX1 (130)	10661	10663	20150519125959.148	20150519125959.582
PX1 (130)	10663	10665	20150519125959.582	20150519130000.015
PX1 (130)	10665	10668	20150519130000.015	20150519130000.664
PX1 (130)	10668	10670	20150519130000.664	20150519130001.097
PX1 (130)	10670	10672	20150519130001.097	20150519130001.531
PX1 (130)	10672	10674	20150519130001.531	20150519130001.961
PX1 (130)	10674	10679	20150519130001.961	20150519130004.554
PX1 (130)	10679	10681	20150519130004.554	20150519130004.988
PX1 (130)	10682	10684	20150519130005.203	20150519130005.636
PX1 (130)	10688	10691	20150519130006.500	20150519130007.148
PX1 (130)	10789	10794	20150519130032.878	20150519130033.961
PX1 (130)	10794	10796	20150519130033.961	20150519130034.394
PX1 (130)	10798	10812	20150519130034.824	20150519130039.367
PX1 (130)	10812	10814	20150519130039.367	20150519130039.796
PX1 (130)	10814	10821	20150519130039.796	20150519130041.312
PX1 (130)	10821	10828	20150519130041.312	20150519130042.824
PX1 (130)	10828	10830	20150519130042.824	20150519130044.769
PX1 (130)	10830	10842	20150519130044.769	20150519130047.367
PX1 (130)	10842	10847	20150519130047.367	20150519130048.445
PX1 (130)	10876	10883	20150519130056.230	20150519130057.742
PX1 (130)	10883	10886	20150519130057.742	20150519130058.390
PX1 (130)	10886	10888	20150519130058.390	20150519130058.824
PX1 (130)	10892	10899	20150519130101.203	20150519130102.714
PX1 (130)	10899	10911	20150519130102.714	20150519130105.308
PX1 (130)	10911	10915	20150519130105.308	20150519130106.175
PX1 (130)	10915	10920	20150519130106.175	20150519130108.769
PX1 (130)	10920	10922	20150519130108.769	20150519130109.203

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	10922	10929	20150519130109.203	20150519130110.714
PX1 (130)	10929	10932	20150519130110.714	20150519130111.363
PX1 (130)	11154	11156	20150519130209.956	20150519130210.390
PX1 (130)	11524	11526	20150519130349.628	20150519130350.062
PX1 (130)	11535	11537	20150519130352.007	20150519130352.440
PX1 (130)	11626	11628	20150519130416.226	20150519130416.655
PX1 (130)	11729	11731	20150519130444.546	20150519130444.979
PX1 (130)	11778	11780	20150519130456.655	20150519130457.089
PX1 (130)	11886	11888	20150519130526.057	20150519130526.491
PX1 (130)	12833	12835	20150519130937.729	20150519130938.158
PX1 (130)	13494	13496	20150519131233.939	20150519131234.373
PX1 (130)	14058	14060	20150519131504.673	20150519131505.107
PX1 (130)	14146	14148	20150519131528.239	20150519131528.673
PX1 (130)	112	114	20150519132554.386	20150519132554.816
PX1 (130)	192	194	20150519132616.222	20150519132616.656
PX1 (130)	480	482	20150519132733.624	20150519132734.058
PX1 (130)	487	489	20150519132735.140	20150519132735.574
PX1 (130)	718	720	20150519132837.191	20150519132837.624
PX1 (130)	733	735	20150519132840.433	20150519132840.866
PX1 (130)	777	779	20150519132852.976	20150519132853.405
PX1 (130)	807	809	20150519132900.976	20150519132901.405
PX1 (130)	919	921	20150519132929.730	20150519132930.163
PX1 (130)	1156	1158	20150519133033.081	20150519133033.511
PX1 (130)	1823	1825	20150519133330.588	20150519133332.534
PX1 (130)	2936	2938	20150519133828.779	20150519133829.213
PX1 (130)	3170	3172	20150519133929.966	20150519133930.400
PX1 (130)	3796	3798	20150519134217.095	20150519134217.528
PX1 (130)	4829	4831	20150519134653.414	20150519134653.844
PX1 (130)	5019	5021	20150519134743.574	20150519134744.004
PX1 (130)	5081	5083	20150519134800.004	20150519134800.438
PX1 (130)	5155	5157	20150519134820.547	20150519134820.977
PX1 (130)	5621	5623	20150519135024.000	20150519135024.433
PX1 (130)	6040	6042	20150519135215.781	20150519135216.214
PX1 (130)	6207	6209	20150519135300.968	20150519135301.402
PX1 (130)	6282	6284	20150519135320.214	20150519135320.644
PX1 (130)	6566	6568	20150519135436.753	20150519135437.183
PX1 (130)	6576	6578	20150519135438.913	20150519135439.347
PX1 (130)	6902	6904	20150519135606.046	20150519135606.479
PX1 (130)	7184	7186	20150519135720.639	20150519135721.069
PX1 (130)	7505	7507	20150519135846.690	20150519135847.123
PX1 (130)	7574	7576	20150519135904.635	20150519135905.069
PX1 (130)	7638	7640	20150519135921.498	20150519135921.932
PX1 (130)	8213	8215	20150519140154.611	20150519140156.560
PX1 (130)	8326	8328	20150519140225.099	20150519140225.533
PX1 (130)	8803	8805	20150519140432.447	20150519140432.880
PX1 (130)	9552	9554	20150519140752.224	20150519140752.657
PX1 (130)	9694	9696	20150519140830.493	20150519140830.927
PX1 (130)	9696	9698	20150519140830.927	20150519140831.360
PX1 (130)	9780	9782	20150519140853.630	20150519140854.059
PX1 (130)	9798	9800	20150519140857.520	20150519140857.954
PX1 (130)	9832	9834	20150519140906.384	20150519140906.817
PX1 (130)	9911	9913	20150519140928.005	20150519140928.438
PX1 (130)	9919	9921	20150519140929.735	20150519140930.169
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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	9989	9991	20150519140949.411	20150519140949.841
PX1 (130)	10026	10028	20150519140958.923	20150519140959.356
PX1 (130)	10121	10123	20150519141024.004	20150519141024.438
PX1 (130)	10183	10185	20150519141040.434	20150519141040.868
PX1 (130)	10213	10215	20150519141048.434	20150519141048.868
PX1 (130)	10368	10370	20150519141129.516	20150519141129.950
PX1 (130)	10465	10467	20150519141156.543	20150519141156.973
PX1 (130)	10577	10579	20150519141225.297	20150519141225.731
PX1 (130)	10673	10675	20150519141250.594	20150519141252.539
PX1 (130)	10775	10777	20150519141318.699	20150519141319.133
PX1 (130)	10816	10818	20150519141329.078	20150519141329.512
PX1 (130)	10818	10820	20150519141329.512	20150519141329.945
PX1 (130)	10995	10997	20150519141416.863	20150519141417.293
PX1 (130)	11150	11152	20150519141457.941	20150519141458.375
PX1 (130)	11209	11211	20150519141513.726	20150519141514.156
PX1 (130)	11211	11213	20150519141514.156	20150519141514.590
PX1 (130)	11244	11246	20150519141522.805	20150519141524.754
PX1 (130)	11948	11950	20150519141831.339	20150519141831.773
PX1 (130)	12468	12470	20150519142049.499	20150519142049.933
PX1 (130)	12896	12898	20150519142244.737	20150519142245.171
PX2 (135)	10160	10283	20150519125745.098	20150519125817.746
PX2 (135)	10288	10304	20150519125818.828	20150519125823.801
PX2 (135)	10307	10312	20150519125824.449	20150519125825.531
PX2 (135)	10312	10314	20150519125825.531	20150519125825.965
PX2 (135)	10314	10316	20150519125825.965	20150519125826.394
PX2 (135)	10333	10336	20150519125831.586	20150519125832.234
PX2 (135)	10348	10350	20150519125834.828	20150519125836.773
PX2 (135)	10351	10354	20150519125836.988	20150519125837.640
PX2 (135)	10361	10364	20150519125839.152	20150519125839.801
PX2 (135)	10364	10367	20150519125839.801	20150519125840.449
PX2 (135)	10367	10370	20150519125840.449	20150519125841.098
PX2 (135)	10370	10374	20150519125841.098	20150519125841.965
PX2 (135)	10374	10379	20150519125841.965	20150519125844.558
PX2 (135)	10379	10385	20150519125844.558	20150519125845.855
PX2 (135)	10385	10393	20150519125845.855	20150519125847.586
PX2 (135)	10393	10398	20150519125847.586	20150519125848.664
PX2 (135)	10398	10401	20150519125848.664	20150519125849.316
PX2 (135)	10401	10410	20150519125849.316	20150519125852.773
PX2 (135)	10410	10412	20150519125852.773	20150519125853.207
PX2 (135)	10412	10427	20150519125853.207	20150519125856.449
PX2 (135)	10427	10446	20150519125856.449	20150519125902.070
PX2 (135)	10446	10455	20150519125902.070	20150519125904.015
PX2 (135)	10455	10469	20150519125904.015	20150519125908.558
PX2 (135)	10551	10558	20150519125929.312	20150519125930.828
PX2 (135)	10558	10565	20150519125930.828	20150519125933.855
PX2 (135)	10565	10568	20150519125933.855	20150519125934.504
PX2 (135)	10568	10572	20150519125934.504	20150519125935.367
PX2 (135)	10572	10586	20150519125935.367	20150519125938.394
PX2 (135)	10586	10589	20150519125938.394	20150519125940.554
PX2 (135)	10589	10621	20150519125940.554	20150519125948.988
PX2 (135)	10621	10626	20150519125948.988	20150519125950.070
PX2 (135)	10626	10632	20150519125950.070	20150519125951.367
PX2 (135)	10632	10634	20150519125951.367	20150519125951.800

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	10634	10639	20150519125951.800	20150519125952.879
PX2 (135)	10639	10641	20150519125952.879	20150519125953.312
PX2 (135)	10641	10643	20150519125953.312	20150519125953.746
PX2 (135)	10643	10646	20150519125953.746	20150519125954.394
PX2 (135)	10646	10649	20150519125954.394	20150519125956.554
PX2 (135)	10649	10651	20150519125956.554	20150519125956.988
PX2 (135)	10651	10658	20150519125956.988	20150519125958.500
PX2 (135)	10658	10663	20150519125958.500	20150519125959.582
PX2 (135)	10663	10665	20150519125959.582	20150519130000.015
PX2 (135)	10665	10667	20150519130000.015	20150519130000.449
PX2 (135)	10668	10670	20150519130000.664	20150519130001.097
PX2 (135)	10670	10672	20150519130001.097	20150519130001.531
PX2 (135)	10672	10674	20150519130001.531	20150519130001.961
PX2 (135)	10674	10679	20150519130001.961	20150519130004.554
PX2 (135)	10679	10681	20150519130004.554	20150519130004.988
PX2 (135)	10688	10690	20150519130006.500	20150519130006.933
PX2 (135)	10759	10761	20150519130024.879	20150519130025.312
PX2 (135)	10789	10791	20150519130032.878	20150519130033.312
PX2 (135)	10791	10794	20150519130033.312	20150519130033.961
PX2 (135)	10794	10796	20150519130033.961	20150519130034.394
PX2 (135)	10798	10814	20150519130034.824	20150519130039.796
PX2 (135)	10814	10830	20150519130039.796	20150519130044.769
PX2 (135)	10830	10842	20150519130044.769	20150519130047.367
PX2 (135)	10842	10846	20150519130047.367	20150519130048.230
PX2 (135)	10876	10883	20150519130056.230	20150519130057.742
PX2 (135)	10883	10885	20150519130057.742	20150519130058.175
PX2 (135)	10886	10888	20150519130058.390	20150519130058.824
PX2 (135)	10892	10908	20150519130101.203	20150519130104.664
PX2 (135)	10908	10915	20150519130104.664	20150519130106.175
PX2 (135)	10915	10922	20150519130106.175	20150519130109.203
PX2 (135)	10922	10924	20150519130109.203	20150519130109.632
PX2 (135)	10924	10929	20150519130109.632	20150519130110.714
PX2 (135)	10929	10932	20150519130110.714	20150519130111.363
PX2 (135)	11220	11222	20150519130228.769	20150519130229.199
PX2 (135)	11535	11537	20150519130352.007	20150519130352.440
PX2 (135)	11778	11780	20150519130456.655	20150519130457.089
PX2 (135)	11886	11888	20150519130526.057	20150519130526.491
PX2 (135)	12491	12493	20150519130807.135	20150519130807.569
PX2 (135)	13494	13496	20150519131233.939	20150519131234.373
PX2 (135)	13691	13693	20150519131327.127	20150519131327.560
PX2 (135)	13722	13724	20150519131335.341	20150519131335.775
PX2 (135)	14058	14060	20150519131504.673	20150519131505.107
PX2 (135)	14146	14148	20150519131528.239	20150519131528.673
PX2 (135)	16243	16245	20150519132447.578	20150519132448.008
PX2 (135)	112	114	20150519132554.386	20150519132554.816
PX2 (135)	487	489	20150519132735.140	20150519132735.574
PX2 (135)	735	737	20150519132840.866	20150519132841.300
PX2 (135)	1156	1158	20150519133033.081	20150519133033.511
PX2 (135)	1418	1420	20150519133143.346	20150519133143.780
PX2 (135)	2866	2868	20150519133809.103	20150519133809.537
PX2 (135)	3170	3172	20150519133929.966	20150519133930.400
PX2 (135)	3462	3464	20150519134048.236	20150519134048.665
PX2 (135)	3796	3798	20150519134217.095	20150519134217.528

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	4701	4703	20150519134618.172	20150519134618.602
PX2 (135)	4928	4930	20150519134719.360	20150519134719.789
PX2 (135)	5155	5157	20150519134820.547	20150519134820.977
PX2 (135)	5621	5623	20150519135024.000	20150519135024.433
PX2 (135)	6038	6040	20150519135215.351	20150519135215.781
PX2 (135)	6040	6042	20150519135215.781	20150519135216.214
PX2 (135)	6207	6209	20150519135300.968	20150519135301.402
PX2 (135)	6282	6284	20150519135320.214	20150519135320.644
PX2 (135)	6557	6559	20150519135433.292	20150519135433.726
PX2 (135)	6566	6568	20150519135436.753	20150519135437.183
PX2 (135)	6576	6578	20150519135438.913	20150519135439.347
PX2 (135)	6902	6904	20150519135606.046	20150519135606.479
PX2 (135)	7072	7074	20150519135650.370	20150519135650.800
PX2 (135)	7186	7188	20150519135721.069	20150519135721.503
PX2 (135)	7505	7507	20150519135846.690	20150519135847.123
PX2 (135)	7638	7640	20150519135921.498	20150519135921.932
PX2 (135)	7817	7819	20150519140009.283	20150519140009.713
PX2 (135)	7966	7968	20150519140049.065	20150519140049.498
PX2 (135)	8213	8215	20150519140154.611	20150519140156.560
PX2 (135)	8803	8805	20150519140432.447	20150519140432.880
PX2 (135)	9035	9037	20150519140534.716	20150519140535.146
PX2 (135)	9694	9696	20150519140830.493	20150519140830.927
PX2 (135)	9832	9834	20150519140906.384	20150519140906.817
PX2 (135)	9916	9918	20150519140929.087	20150519140929.520
PX2 (135)	10026	10028	20150519140958.923	20150519140959.356
PX2 (135)	10121	10123	20150519141024.004	20150519141024.438
PX2 (135)	10183	10185	20150519141040.434	20150519141040.868
PX2 (135)	10197	10199	20150519141044.977	20150519141045.411
PX2 (135)	10368	10370	20150519141129.516	20150519141129.950
PX2 (135)	10465	10467	20150519141156.543	20150519141156.973
PX2 (135)	10577	10579	20150519141225.297	20150519141225.731
PX2 (135)	10673	10675	20150519141250.594	20150519141252.539
PX2 (135)	10818	10820	20150519141329.512	20150519141329.945
PX2 (135)	10995	10997	20150519141416.863	20150519141417.293
PX2 (135)	11491	11493	20150519141629.832	20150519141630.261
PX2 (135)	11513	11515	20150519141634.586	20150519141636.535
PX2 (135)	11646	11648	20150519141710.910	20150519141711.343
PX2 (135)	11948	11950	20150519141831.339	20150519141831.773
PX2 (135)	12287	12289	20150519142001.284	20150519142001.718
PX2 (135)	12468	12470	20150519142049.499	20150519142049.933
PX2 (135)	12808	12810	20150519142221.171	20150519142221.604
PX3 (140)	10160	10282	20150519125745.098	20150519125817.531
PX3 (140)	10288	10296	20150519125818.828	20150519125822.070
PX3 (140)	10296	10299	20150519125822.070	20150519125822.719
PX3 (140)	10299	10304	20150519125822.719	20150519125823.801
PX3 (140)	10307	10310	20150519125824.449	20150519125825.098
PX3 (140)	10310	10312	20150519125825.098	20150519125825.531
PX3 (140)	10312	10314	20150519125825.531	20150519125825.965
PX3 (140)	10314	10316	20150519125825.965	20150519125826.394
PX3 (140)	10324	10326	20150519125829.637	20150519125830.070
PX3 (140)	10333	10336	20150519125831.586	20150519125832.234
PX3 (140)	10344	10346	20150519125833.965	20150519125834.394
PX3 (140)	10361	10364	20150519125839.152	20150519125839.801
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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	10364	10366	20150519125839.801	20150519125840.234
PX3 (140)	10366	10368	20150519125840.234	20150519125840.668
PX3 (140)	10368	10374	20150519125840.668	20150519125841.965
PX3 (140)	10374	10390	20150519125841.965	20150519125846.937
PX3 (140)	10390	10393	20150519125846.937	20150519125847.586
PX3 (140)	10393	10401	20150519125847.586	20150519125849.316
PX3 (140)	10401	10406	20150519125849.316	20150519125850.394
PX3 (140)	10406	10410	20150519125850.394	20150519125852.773
PX3 (140)	10410	10418	20150519125852.773	20150519125854.504
PX3 (140)	10418	10434	20150519125854.504	20150519125857.965
PX3 (140)	10434	10445	20150519125857.965	20150519125901.855
PX3 (140)	10446	10455	20150519125902.070	20150519125904.015
PX3 (140)	10455	10464	20150519125904.015	20150519125905.961
PX3 (140)	10464	10469	20150519125905.961	20150519125908.558
PX3 (140)	10550	10558	20150519125929.097	20150519125930.828
PX3 (140)	10558	10572	20150519125930.828	20150519125935.367
PX3 (140)	10572	10575	20150519125935.367	20150519125936.015
PX3 (140)	10575	10605	20150519125936.015	20150519125944.015
PX3 (140)	10605	10612	20150519125944.015	20150519125945.531
PX3 (140)	10612	10621	20150519125945.531	20150519125948.988
PX3 (140)	10621	10632	20150519125948.988	20150519125951.367
PX3 (140)	10632	10634	20150519125951.367	20150519125951.800
PX3 (140)	10634	10639	20150519125951.800	20150519125952.879
PX3 (140)	10639	10641	20150519125952.879	20150519125953.312
PX3 (140)	10641	10643	20150519125953.312	20150519125953.746
PX3 (140)	10643	10649	20150519125953.746	20150519125956.554
PX3 (140)	10649	10651	20150519125956.554	20150519125956.988
PX3 (140)	10651	10653	20150519125956.988	20150519125957.422
PX3 (140)	10653	10658	20150519125957.422	20150519125958.500
PX3 (140)	10658	10660	20150519125958.500	20150519125958.933
PX3 (140)	10660	10663	20150519125958.933	20150519125959.582
PX3 (140)	10663	10665	20150519125959.582	20150519130000.015
PX3 (140)	10665	10667	20150519130000.015	20150519130000.449
PX3 (140)	10668	10672	20150519130000.664	20150519130001.531
PX3 (140)	10672	10674	20150519130001.531	20150519130001.961
PX3 (140)	10674	10676	20150519130001.961	20150519130002.394
PX3 (140)	10676	10679	20150519130002.394	20150519130004.554
PX3 (140)	10679	10681	20150519130004.554	20150519130004.988
PX3 (140)	10681	10683	20150519130004.988	20150519130005.422
PX3 (140)	10688	10690	20150519130006.500	20150519130006.933
PX3 (140)	10759	10761	20150519130024.879	20150519130025.312
PX3 (140)	10789	10791	20150519130032.878	20150519130033.312
PX3 (140)	10791	10796	20150519130033.312	20150519130034.394
PX3 (140)	10798	10814	20150519130034.824	20150519130039.796
PX3 (140)	10814	10816	20150519130039.796	20150519130040.230
PX3 (140)	10816	10823	20150519130040.230	20150519130041.742
PX3 (140)	10823	10830	20150519130041.742	20150519130044.769
PX3 (140)	10830	10832	20150519130044.769	20150519130045.203
PX3 (140)	10832	10839	20150519130045.203	20150519130046.714
PX3 (140)	10839	10842	20150519130046.714	20150519130047.367
PX3 (140)	10842	10846	20150519130047.367	20150519130048.230
PX3 (140)	10875	10885	20150519130056.015	20150519130058.175
PX3 (140)	10886	10888	20150519130058.390	20150519130058.824

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	10892	10894	20150519130101.203	20150519130101.636
PX3 (140)	10894	10922	20150519130101.636	20150519130109.203
PX3 (140)	10922	10929	20150519130109.203	20150519130110.714
PX3 (140)	10929	10932	20150519130110.714	20150519130111.363
PX3 (140)	11110	11112	20150519130158.929	20150519130159.363
PX3 (140)	11220	11222	20150519130228.769	20150519130229.199
PX3 (140)	11354	11356	20150519130303.792	20150519130304.226
PX3 (140)	11531	11533	20150519130351.144	20150519130351.577
PX3 (140)	11533	11535	20150519130351.577	20150519130352.007
PX3 (140)	11632	11634	20150519130417.522	20150519130417.952
PX3 (140)	11778	11780	20150519130456.655	20150519130457.089
PX3 (140)	11878	11880	20150519130522.815	20150519130524.761
PX3 (140)	11886	11888	20150519130526.057	20150519130526.491
PX3 (140)	12008	12010	20150519130558.491	20150519130558.925
PX3 (140)	13403	13405	20150519131209.724	20150519131210.154
PX3 (140)	13691	13693	20150519131327.127	20150519131327.560
PX3 (140)	13722	13724	20150519131335.341	20150519131335.775
PX3 (140)	14058	14060	20150519131504.673	20150519131505.107
PX3 (140)	14146	14148	20150519131528.239	20150519131528.673
PX3 (140)	14163	14165	20150519131533.431	20150519131533.864
PX3 (140)	16243	16245	20150519132447.578	20150519132448.008
PX3 (140)	225	227	20150519132624.871	20150519132625.304
PX3 (140)	284	286	20150519132640.656	20150519132641.085
PX3 (140)	735	737	20150519132840.866	20150519132841.300
PX3 (140)	1156	1158	20150519133033.081	20150519133033.511
PX3 (140)	1418	1420	20150519133143.346	20150519133143.780
PX3 (140)	1637	1639	20150519133241.292	20150519133241.725
PX3 (140)	1712	1714	20150519133302.049	20150519133302.483
PX3 (140)	2866	2868	20150519133809.103	20150519133809.537
PX3 (140)	3462	3464	20150519134048.236	20150519134048.665
PX3 (140)	3796	3798	20150519134217.095	20150519134217.528
PX3 (140)	4662	4664	20150519134608.227	20150519134608.657
PX3 (140)	5019	5021	20150519134743.574	20150519134744.004
PX3 (140)	5155	5157	20150519134820.547	20150519134820.977
PX3 (140)	5831	5833	20150519135120.000	20150519135120.433
PX3 (140)	6038	6040	20150519135215.351	20150519135215.781
PX3 (140)	6040	6042	20150519135215.781	20150519135216.214
PX3 (140)	6557	6559	20150519135433.292	20150519135433.726
PX3 (140)	6576	6578	20150519135438.913	20150519135439.347
PX3 (140)	6902	6904	20150519135606.046	20150519135606.479
PX3 (140)	6951	6953	20150519135618.155	20150519135618.585
PX3 (140)	7072	7074	20150519135650.370	20150519135650.800
PX3 (140)	7136	7138	20150519135708.745	20150519135709.178
PX3 (140)	7505	7507	20150519135846.690	20150519135847.123
PX3 (140)	7887	7889	20150519140028.955	20150519140029.389
PX3 (140)	8213	8215	20150519140154.611	20150519140156.560
PX3 (140)	8370	8372	20150519140237.638	20150519140238.072
PX3 (140)	9035	9037	20150519140534.716	20150519140535.146
PX3 (140)	9397	9399	20150519140711.146	20150519140711.575
PX3 (140)	9694	9696	20150519140830.493	20150519140830.927
PX3 (140)	9696	9698	20150519140830.927	20150519140831.360
PX3 (140)	9797	9799	20150519140857.305	20150519140857.735
PX3 (140)	9832	9834	20150519140906.384	20150519140906.817
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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	9893	9895	20150519140922.598	20150519140924.548
PX3 (140)	9916	9918	20150519140929.087	20150519140929.520
PX3 (140)	10026	10028	20150519140958.923	20150519140959.356
PX3 (140)	10035	10037	20150519141000.868	20150519141001.301
PX3 (140)	10180	10182	20150519141039.786	20150519141040.219
PX3 (140)	10182	10185	20150519141040.219	20150519141040.868
PX3 (140)	10368	10370	20150519141129.516	20150519141129.950
PX3 (140)	10673	10675	20150519141250.594	20150519141252.539
PX3 (140)	10818	10820	20150519141329.512	20150519141329.945
PX3 (140)	10841	10843	20150519141335.996	20150519141336.430
PX3 (140)	11459	11461	20150519141621.398	20150519141621.832
PX3 (140)	11491	11493	20150519141629.832	20150519141630.261
PX3 (140)	11646	11648	20150519141710.910	20150519141711.343
PX3 (140)	11948	11950	20150519141831.339	20150519141831.773
PX3 (140)	12253	12255	20150519141952.421	20150519141952.851
PX3 (140)	12808	12810	20150519142221.171	20150519142221.604
PX4 (145)	10160	10282	20150519125745.098	20150519125817.531
PX4 (145)	10288	10298	20150519125818.828	20150519125822.504
PX4 (145)	10299	10303	20150519125822.719	20150519125823.586
PX4 (145)	10306	10312	20150519125824.234	20150519125825.531
PX4 (145)	10312	10314	20150519125825.531	20150519125825.965
PX4 (145)	10314	10316	20150519125825.965	20150519125826.394
PX4 (145)	10324	10326	20150519125829.637	20150519125830.070
PX4 (145)	10333	10335	20150519125831.586	20150519125832.019
PX4 (145)	10344	10346	20150519125833.965	20150519125834.394
PX4 (145)	10349	10351	20150519125836.558	20150519125836.988
PX4 (145)	10362	10364	20150519125839.371	20150519125839.801
PX4 (145)	10364	10366	20150519125839.801	20150519125840.234
PX4 (145)	10366	10368	20150519125840.234	20150519125840.668
PX4 (145)	10368	10374	20150519125840.668	20150519125841.965
PX4 (145)	10374	10376	20150519125841.965	20150519125842.394
PX4 (145)	10377	10383	20150519125842.613	20150519125845.422
PX4 (145)	10384	10393	20150519125845.637	20150519125847.586
PX4 (145)	10393	10401	20150519125847.586	20150519125849.316
PX4 (145)	10401	10410	20150519125849.316	20150519125852.773
PX4 (145)	10411	10424	20150519125852.988	20150519125855.801
PX4 (145)	10424	10445	20150519125855.801	20150519125901.855
PX4 (145)	10445	10457	20150519125901.855	20150519125904.449
PX4 (145)	10457	10465	20150519125904.449	20150519125906.179
PX4 (145)	10465	10469	20150519125906.179	20150519125908.558
PX4 (145)	10550	10555	20150519125929.097	20150519125930.179
PX4 (145)	10555	10558	20150519125930.179	20150519125930.828
PX4 (145)	10558	10572	20150519125930.828	20150519125935.367
PX4 (145)	10572	10612	20150519125935.367	20150519125945.531
PX4 (145)	10612	10621	20150519125945.531	20150519125948.988
PX4 (145)	10621	10634	20150519125948.988	20150519125951.800
PX4 (145)	10634	10636	20150519125951.800	20150519125952.230
PX4 (145)	10636	10639	20150519125952.230	20150519125952.879
PX4 (145)	10639	10641	20150519125952.879	20150519125953.312
PX4 (145)	10641	10643	20150519125953.312	20150519125953.746
PX4 (145)	10643	10645	20150519125953.746	20150519125954.179
PX4 (145)	10645	10649	20150519125954.179	20150519125956.554
PX4 (145)	10649	10651	20150519125956.554	20150519125956.988

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	10651	10653	20150519125956.988	20150519125957.422
PX4 (145)	10653	10660	20150519125957.422	20150519125958.933
PX4 (145)	10660	10665	20150519125958.933	20150519130000.015
PX4 (145)	10665	10667	20150519130000.015	20150519130000.449
PX4 (145)	10667	10669	20150519130000.449	20150519130000.879
PX4 (145)	10669	10672	20150519130000.879	20150519130001.531
PX4 (145)	10672	10674	20150519130001.531	20150519130001.961
PX4 (145)	10674	10676	20150519130001.961	20150519130002.394
PX4 (145)	10676	10681	20150519130002.394	20150519130004.988
PX4 (145)	10681	10683	20150519130004.988	20150519130005.422
PX4 (145)	10688	10690	20150519130006.500	20150519130006.933
PX4 (145)	10789	10791	20150519130032.878	20150519130033.312
PX4 (145)	10791	10793	20150519130033.312	20150519130033.742
PX4 (145)	10793	10796	20150519130033.742	20150519130034.394
PX4 (145)	10798	10809	20150519130034.824	20150519130038.718
PX4 (145)	10809	10814	20150519130038.718	20150519130039.796
PX4 (145)	10814	10830	20150519130039.796	20150519130044.769
PX4 (145)	10830	10842	20150519130044.769	20150519130047.367
PX4 (145)	10842	10846	20150519130047.367	20150519130048.230
PX4 (145)	10874	10885	20150519130055.796	20150519130058.175
PX4 (145)	10892	10894	20150519130101.203	20150519130101.636
PX4 (145)	10894	10910	20150519130101.636	20150519130105.093
PX4 (145)	10910	10922	20150519130105.093	20150519130109.203
PX4 (145)	10922	10926	20150519130109.203	20150519130110.066
PX4 (145)	10926	10929	20150519130110.066	20150519130110.714
PX4 (145)	10929	10932	20150519130110.714	20150519130111.363
PX4 (145)	11158	11160	20150519130210.824	20150519130212.769
PX4 (145)	11354	11356	20150519130303.792	20150519130304.226
PX4 (145)	11397	11399	20150519130314.605	20150519130316.550
PX4 (145)	11531	11533	20150519130351.144	20150519130351.577
PX4 (145)	11533	11535	20150519130351.577	20150519130352.007
PX4 (145)	11535	11537	20150519130352.007	20150519130352.440
PX4 (145)	11632	11634	20150519130417.522	20150519130417.952
PX4 (145)	11729	11731	20150519130444.546	20150519130444.979
PX4 (145)	11778	11780	20150519130456.655	20150519130457.089
PX4 (145)	11878	11880	20150519130522.815	20150519130524.761
PX4 (145)	12008	12010	20150519130558.491	20150519130558.925
PX4 (145)	12227	12229	20150519130656.436	20150519130656.866
PX4 (145)	13722	13724	20150519131335.341	20150519131335.775
PX4 (145)	14058	14060	20150519131504.673	20150519131505.107
PX4 (145)	14146	14148	20150519131528.239	20150519131528.673
PX4 (145)	15696	15698	20150519132222.067	20150519132222.500
PX4 (145)	15810	15812	20150519132252.770	20150519132253.203
PX4 (145)	225	227	20150519132624.871	20150519132625.304
PX4 (145)	284	286	20150519132640.656	20150519132641.085
PX4 (145)	1040	1042	20150519133001.944	20150519133002.378
PX4 (145)	1156	1158	20150519133033.081	20150519133033.511
PX4 (145)	1418	1420	20150519133143.346	20150519133143.780
PX4 (145)	1973	1975	20150519133410.588	20150519133412.533
PX4 (145)	2866	2868	20150519133809.103	20150519133809.537
PX4 (145)	2935	2937	20150519133828.564	20150519133828.994
PX4 (145)	3111	3113	20150519133914.181	20150519133914.615
PX4 (145)	3462	3464	20150519134048.236	20150519134048.665

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	3796	3798	20150519134217.095	20150519134217.528
PX4 (145)	4662	4664	20150519134608.227	20150519134608.657
PX4 (145)	4714	4716	20150519134622.496	20150519134622.926
PX4 (145)	5019	5021	20150519134743.574	20150519134744.004
PX4 (145)	5394	5396	20150519134922.812	20150519134924.762
PX4 (145)	5773	5775	20150519135104.433	20150519135104.867
PX4 (145)	5831	5833	20150519135120.000	20150519135120.433
PX4 (145)	6038	6040	20150519135215.351	20150519135215.781
PX4 (145)	6040	6042	20150519135215.781	20150519135216.214
PX4 (145)	6283	6285	20150519135320.429	20150519135320.863
PX4 (145)	6949	6951	20150519135617.721	20150519135618.155
PX4 (145)	7638	7640	20150519135921.498	20150519135921.932
PX4 (145)	7887	7889	20150519140028.955	20150519140029.389
PX4 (145)	8326	8328	20150519140225.099	20150519140225.533
PX4 (145)	8370	8372	20150519140237.638	20150519140238.072
PX4 (145)	8842	8844	20150519140442.392	20150519140442.826
PX4 (145)	9033	9035	20150519140534.283	20150519140534.716
PX4 (145)	9035	9037	20150519140534.716	20150519140535.146
PX4 (145)	9694	9696	20150519140830.493	20150519140830.927
PX4 (145)	9696	9698	20150519140830.927	20150519140831.360
PX4 (145)	9797	9799	20150519140857.305	20150519140857.735
PX4 (145)	9884	9886	20150519140920.653	20150519140921.087
PX4 (145)	9893	9895	20150519140922.598	20150519140924.548
PX4 (145)	9988	9990	20150519140949.196	20150519140949.626
PX4 (145)	10026	10028	20150519140958.923	20150519140959.356
PX4 (145)	10035	10037	20150519141000.868	20150519141001.301
PX4 (145)	10182	10186	20150519141040.219	20150519141041.086
PX4 (145)	10368	10370	20150519141129.516	20150519141129.950
PX4 (145)	10465	10467	20150519141156.543	20150519141156.973
PX4 (145)	10673	10675	20150519141250.594	20150519141252.539
PX4 (145)	10818	10820	20150519141329.512	20150519141329.945
PX4 (145)	10841	10843	20150519141335.996	20150519141336.430
PX4 (145)	11459	11461	20150519141621.398	20150519141621.832
IMG (150)	7831	7970	20150519125744.883	20150519125817.531
IMG (150)	7979	7995	20150519125819.910	20150519125823.586
IMG (150)	7998	8004	20150519125824.234	20150519125825.531
IMG (150)	8004	8008	20150519125825.531	20150519125826.394
IMG (150)	8009	8011	20150519125826.613	20150519125827.262
IMG (150)	8020	8022	20150519125829.637	20150519125830.070
IMG (150)	8040	8043	20150519125833.965	20150519125834.613
IMG (150)	8047	8049	20150519125835.910	20150519125836.558
IMG (150)	8049	8053	20150519125836.558	20150519125837.422
IMG (150)	8055	8057	20150519125837.855	20150519125838.285
IMG (150)	8060	8062	20150519125838.937	20150519125839.371
IMG (150)	8063	8066	20150519125839.586	20150519125840.234
IMG (150)	8066	8068	20150519125840.234	20150519125840.668
IMG (150)	8069	8076	20150519125840.883	20150519125842.394
IMG (150)	8077	8088	20150519125842.613	20150519125845.637
IMG (150)	8088	8092	20150519125845.637	20150519125846.504
IMG (150)	8092	8096	20150519125846.504	20150519125847.371
IMG (150)	8097	8109	20150519125847.586	20150519125850.180
IMG (150)	8109	8114	20150519125850.180	20150519125851.476
IMG (150)	8115	8155	20150519125851.910	20150519125901.422

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	8155	8157	20150519125901.422	20150519125901.855
IMG (150)	8157	8181	20150519125901.855	20150519125907.258
IMG (150)	8274	8282	20150519125929.097	20150519125930.828
IMG (150)	8282	8295	20150519125930.828	20150519125934.285
IMG (150)	8295	8354	20150519125934.285	20150519125948.125
IMG (150)	8354	8361	20150519125948.125	20150519125949.855
IMG (150)	8361	8365	20150519125949.855	20150519125950.718
IMG (150)	8365	8372	20150519125950.718	20150519125952.230
IMG (150)	8372	8381	20150519125952.230	20150519125954.179
IMG (150)	8381	8400	20150519125954.179	20150519125958.933
IMG (150)	8400	8402	20150519125958.933	20150519125959.367
IMG (150)	8402	8407	20150519125959.367	20150519130000.449
IMG (150)	8407	8409	20150519130000.449	20150519130000.879
IMG (150)	8409	8425	20150519130000.879	20150519130004.988
IMG (150)	8425	8427	20150519130004.988	20150519130005.422
IMG (150)	8431	8434	20150519130006.285	20150519130006.933
IMG (150)	8545	8547	20150519130032.878	20150519130033.312
IMG (150)	8547	8549	20150519130033.312	20150519130033.742
IMG (150)	8549	8552	20150519130033.742	20150519130034.394
IMG (150)	8554	8589	20150519130034.824	20150519130043.257
IMG (150)	8589	8605	20150519130043.257	20150519130047.148
IMG (150)	8605	8610	20150519130047.148	20150519130048.230
IMG (150)	8642	8653	20150519130055.796	20150519130058.175
IMG (150)	8653	8655	20150519130058.175	20150519130058.609
IMG (150)	8655	8657	20150519130058.609	20150519130059.257
IMG (150)	8663	8666	20150519130100.984	20150519130101.636
IMG (150)	8666	8682	20150519130101.636	20150519130105.093
IMG (150)	8682	8695	20150519130105.093	20150519130108.554
IMG (150)	8695	8708	20150519130108.554	20150519130111.363
IMG (150)	8768	8770	20150519130125.632	20150519130126.066
IMG (150)	8957	8960	20150519130209.742	20150519130210.390
IMG (150)	9233	9235	20150519130314.605	20150519130315.253
IMG (150)	9379	9381	20150519130349.413	20150519130349.847
IMG (150)	9387	9389	20150519130351.144	20150519130351.577
IMG (150)	9391	9393	20150519130352.007	20150519130352.440
IMG (150)	9500	9502	20150519130417.522	20150519130417.952
IMG (150)	9613	9615	20150519130444.546	20150519130444.979
IMG (150)	9665	9667	20150519130456.440	20150519130456.870
IMG (150)	9789	9791	20150519130525.843	20150519130526.276
IMG (150)	10062	10064	20150519130630.057	20150519130630.491
IMG (150)	12250	12252	20150519131504.673	20150519131505.107
IMG (150)	14108	14110	20150519132222.067	20150519132222.500
IMG (150)	14849	14851	20150519132516.547	20150519132516.980
IMG (150)	15011	15013	20150519132554.168	20150519132554.601
IMG (150)	15208	15210	20150519132640.656	20150519132641.085
IMG (150)	15438	15440	20150519132734.921	20150519132735.359
IMG (150)	15701	15703	20150519132836.976	20150519132837.409
IMG (150)	15768	15770	20150519132852.757	20150519132853.191
IMG (150)	15926	15928	20150519132929.515	20150519132929.944
IMG (150)	16064	16066	20150519133001.944	20150519133002.378
IMG (150)	110	112	20150519133143.346	20150519133143.780
IMG (150)	178	180	20150519133159.346	20150519133159.780
IMG (150)	1831	1833	20150519133828.564	20150519133828.994
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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	2093	2095	20150519133929.751	20150519133930.181
IMG (150)	2426	2428	20150519134048.236	20150519134048.665
IMG (150)	2803	2806	20150519134216.880	20150519134217.528
IMG (150)	2910	2912	20150519134241.962	20150519134242.392
IMG (150)	3846	3848	20150519134622.496	20150519134622.926
IMG (150)	3966	3968	20150519134650.387	20150519134650.817
IMG (150)	4190	4193	20150519134743.360	20150519134744.004
IMG (150)	4260	4262	20150519134759.789	20150519134800.223
IMG (150)	4346	4348	20150519134820.113	20150519134820.762
IMG (150)	4872	4874	20150519135023.785	20150519135024.218
IMG (150)	5021	5023	20150519135058.593	20150519135059.246
IMG (150)	5345	5347	20150519135215.132	20150519135215.566
IMG (150)	5621	5623	20150519135319.995	20150519135320.429
IMG (150)	5623	5625	20150519135320.429	20150519135320.863
IMG (150)	5644	5646	20150519135325.616	20150519135326.050
IMG (150)	6480	6482	20150519135641.936	20150519135642.370
IMG (150)	7008	7010	20150519135846.471	20150519135846.905
IMG (150)	7157	7159	20150519135921.284	20150519135921.717
IMG (150)	7443	7445	20150519140028.955	20150519140029.389
IMG (150)	7764	7766	20150519140144.236	20150519140144.666
IMG (150)	7938	7940	20150519140225.099	20150519140225.533
IMG (150)	8522	8524	20150519140442.392	20150519140442.826
IMG (150)	8741	8743	20150519140534.283	20150519140534.716
IMG (150)	8796	8801	20150519140546.822	20150519140548.552
IMG (150)	9327	9329	20150519140752.009	20150519140752.442
IMG (150)	9492	9494	20150519140830.927	20150519140831.360
IMG (150)	9605	9607	20150519140857.305	20150519140857.735
IMG (150)	9713	9715	20150519140922.598	20150519140923.251
IMG (150)	9865	9868	20150519140958.708	20150519140959.356
IMG (150)	9972	9974	20150519141023.790	20150519141024.219
IMG (150)	9974	9976	20150519141024.219	20150519141024.653
IMG (150)	10041	10044	20150519141040.004	20150519141040.653
IMG (150)	10251	10253	20150519141129.297	20150519141129.731
IMG (150)	10365	10367	20150519141156.543	20150519141156.973
IMG (150)	10597	10599	20150519141250.594	20150519141251.242
IMG (150)	10759	10761	20150519141328.863	20150519141329.297
IMG (150)	10789	10791	20150519141335.996	20150519141336.430
IMG (150)	10962	10964	20150519141416.645	20150519141417.078
IMG (150)	11137	11139	20150519141457.726	20150519141458.156
IMG (150)	11247	11249	20150519141523.887	20150519141524.535
IMG (150)	12131	12133	20150519141851.882	20150519141852.531
VER (160)	5287	5308	20150519125738.828	20150519125818.828
VER (160)	5312	5315	20150519125818.828	20150519125826.828
VER (160)	5315	5317	20150519125826.828	20150519125826.828
VER (160)	5320	5322	20150519125834.828	20150519125834.828
VER (160)	5322	5341	20150519125834.828	20150519125906.179
VER (160)	5353	5378	20150519125930.828	20150519130010.824
VER (160)	5393	5402	20150519130034.824	20150519130042.824
VER (160)	5407	5410	20150519130050.824	20150519130058.824
VER (160)	5412	5418	20150519130058.824	20150519130114.824
VER (160)	5437	5439	20150519130138.824	20150519130146.824
VER (160)	5453	5456	20150519130210.824	20150519130210.824
VER (160)	5492	5494	20150519130306.819	20150519130314.819
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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	5558	5560	20150519130458.815	20150519130458.815
VER (160)	5850	5852	20150519131242.802	20150519131242.802
VER (160)	6143	6145	20150519132034.829	20150519132034.829
VER (160)	6233	6235	20150519132258.824	20150519132258.824
VER (160)	6248	6250	20150519132322.820	20150519132322.820
VER (160)	6857	6859	20150519133930.830	20150519133938.830
VER (160)	6859	6861	20150519133938.830	20150519133938.830
VER (160)	7032	7034	20150519134410.821	20150519134418.825
VER (160)	7174	7176	20150519134802.817	20150519134802.817
VER (160)	7282	7284	20150519135050.812	20150519135058.812
VER (160)	7468	7471	20150519135554.804	20150519135554.804
VER (160)	7504	7506	20150519135650.800	20150519135650.800
VER (160)	7633	7635	20150519140018.795	20150519140018.795
VER (160)	7817	7819	20150519140506.826	20150519140514.822
VER (160)	7837	7839	20150519140538.822	20150519140546.822
VER (160)	8053	8056	20150519141130.813	20150519141130.813
VER (160)	8102	8104	20150519141242.809	20150519141250.594
VER (160)	8219	8221	20150519141554.804	20150519141554.804
AUX (180)	7609	7614	20150519125739.262	20150519125819.262
AUX (180)	7616	7620	20150519125835.262	20150519125907.258
AUX (180)	7622	7628	20150519125923.258	20150519130011.257
AUX (180)	7630	7632	20150519130027.257	20150519130043.257
AUX (180)	7634	7636	20150519130059.257	20150519130115.257

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
19/05/2015 00:00:02	-	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)	99.31 %	-
GQisFlagQual set (PX2)	99.26 %	-
GQisFlagQual set (PX3)	99.30 %	-
GQisFlagQual set (PX4)	99.30 %	-
GQisFlagQual set (all)	99.29 %	-

Table 4: Quality flags

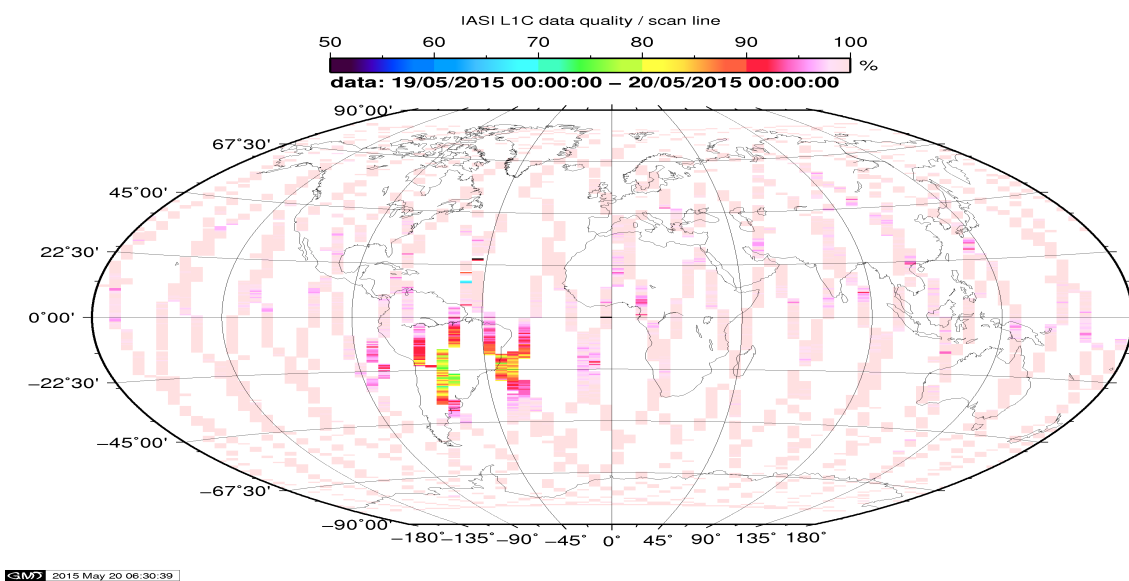


Figure 1: L1C data quality

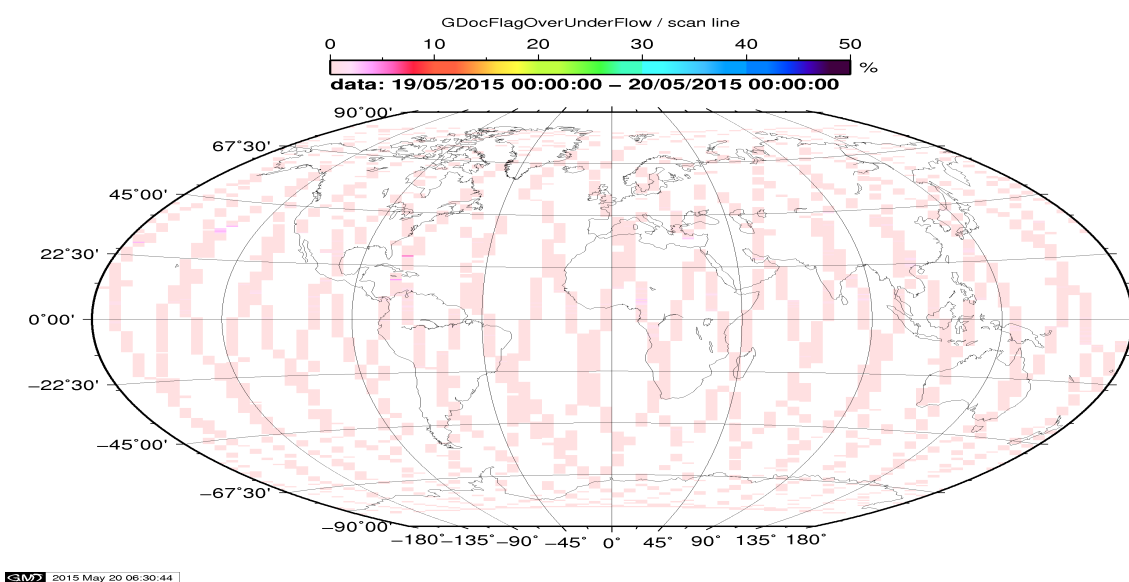


Figure 2: Flag of Over and Under Flows

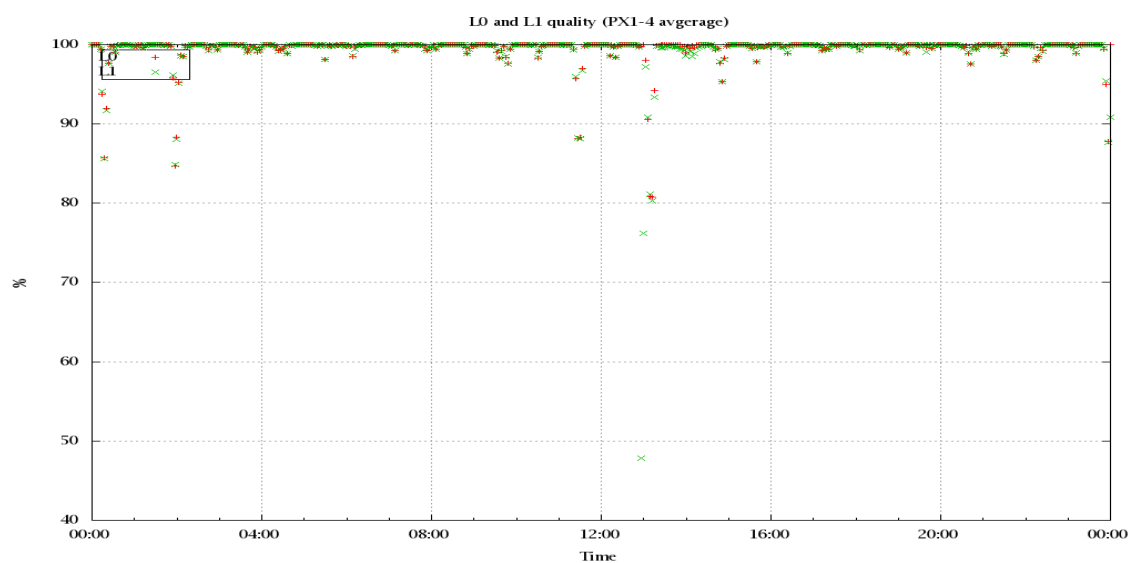


Figure 3: Level 0 and 1C overall quality

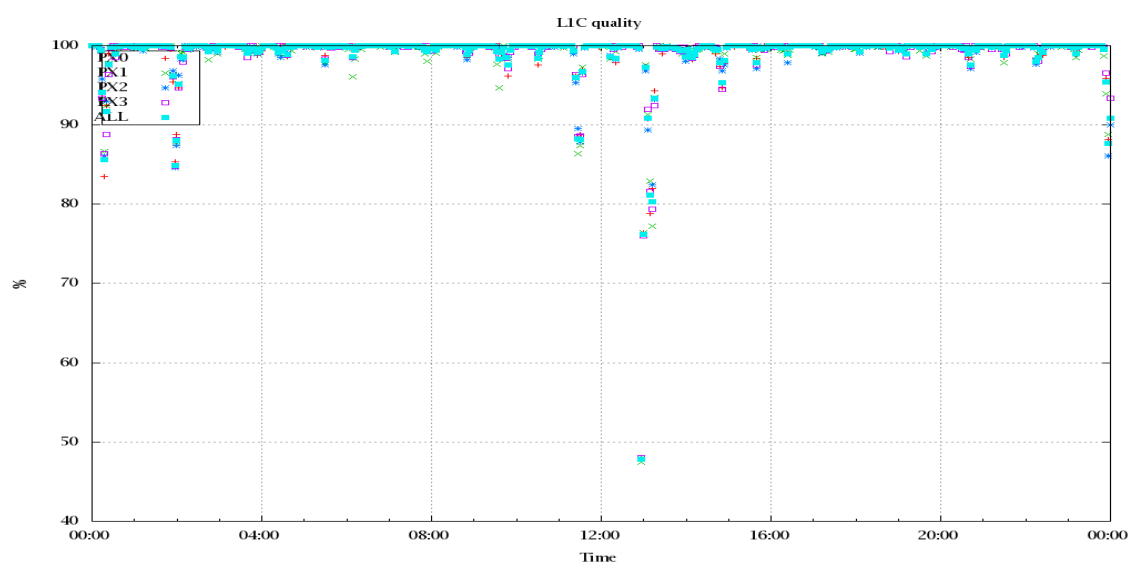


Figure 4: Level 1C quality

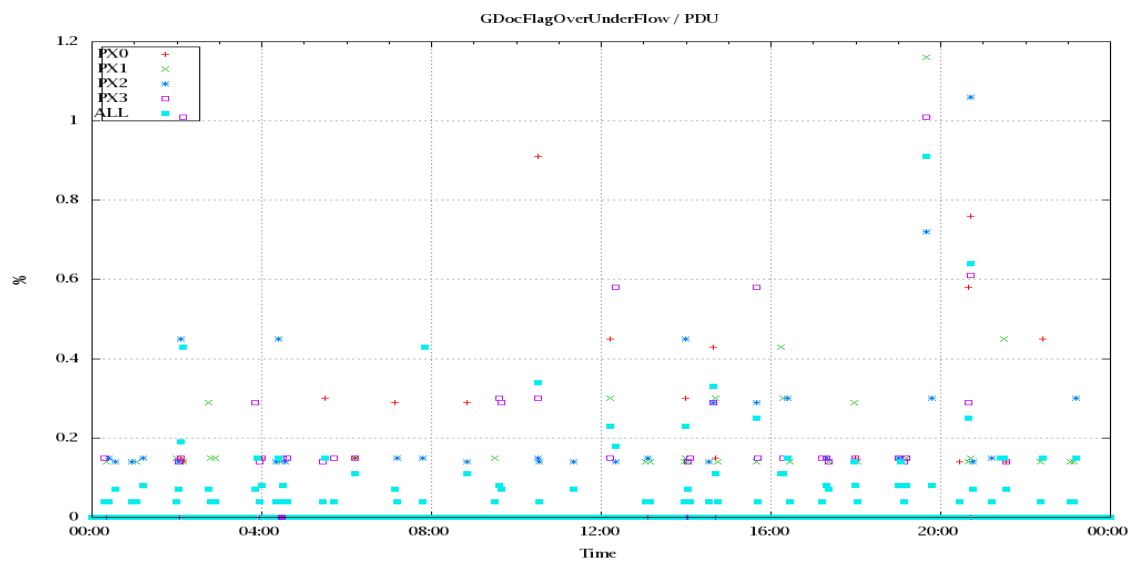


Figure 5: OverUnderFlowFlag timeseries

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.

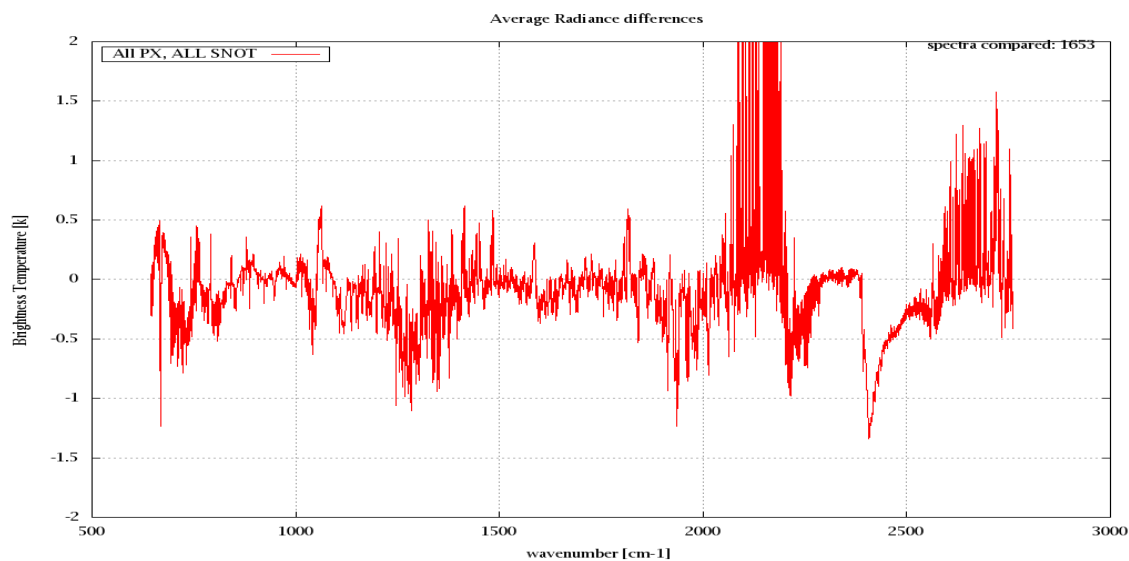


Figure 6: Average Radiance differences: OBS-CAL

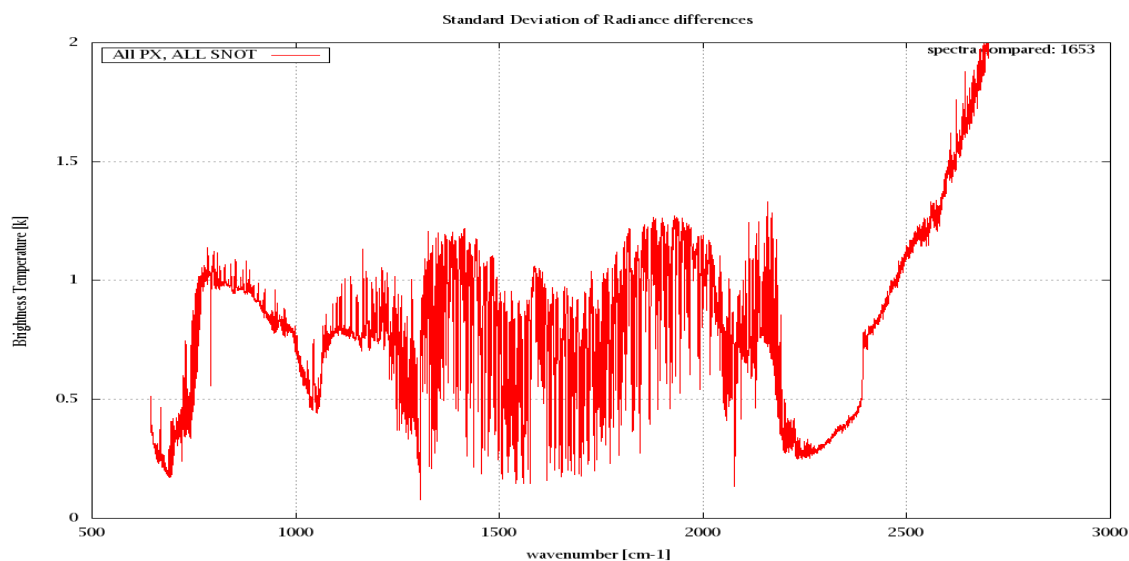


Figure 7: Standard Deviation of Radiance differences

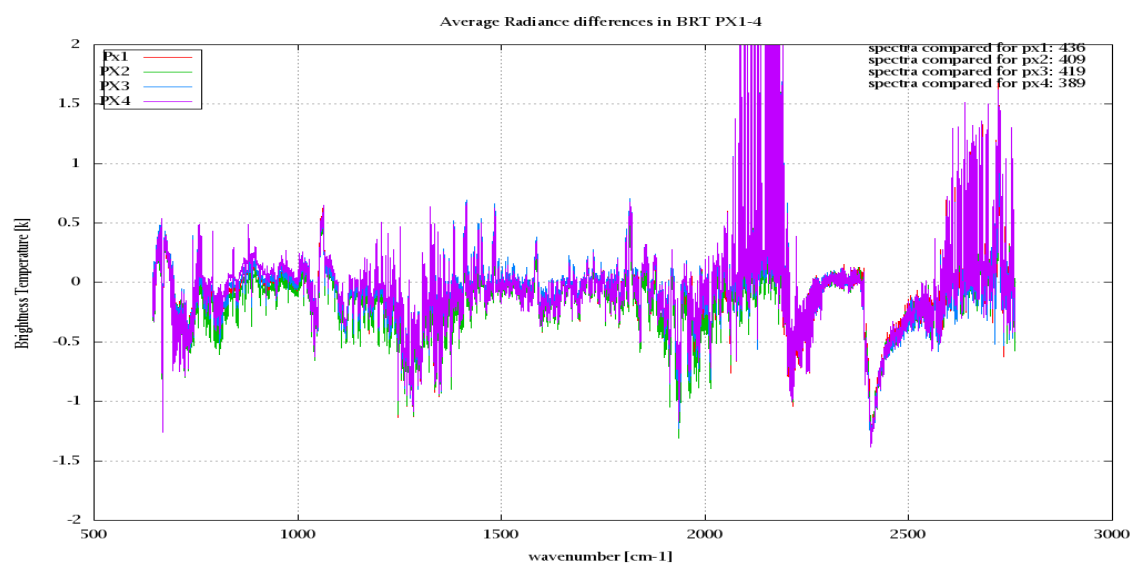


Figure 8: Average Radiance differences: OBS-CAL

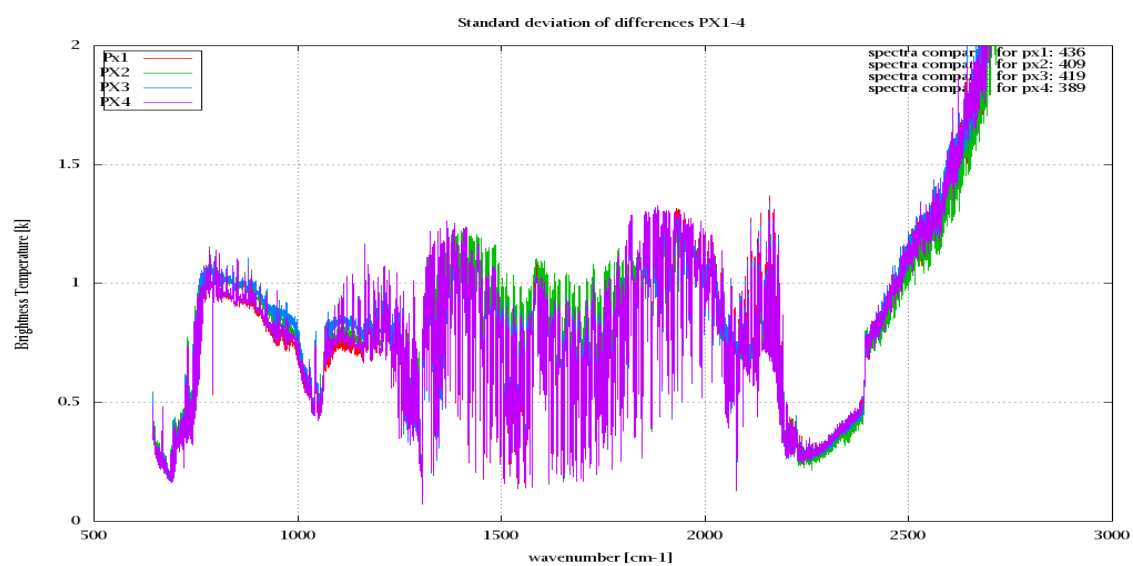


Figure 9: Standard Deviation of Radiance differences

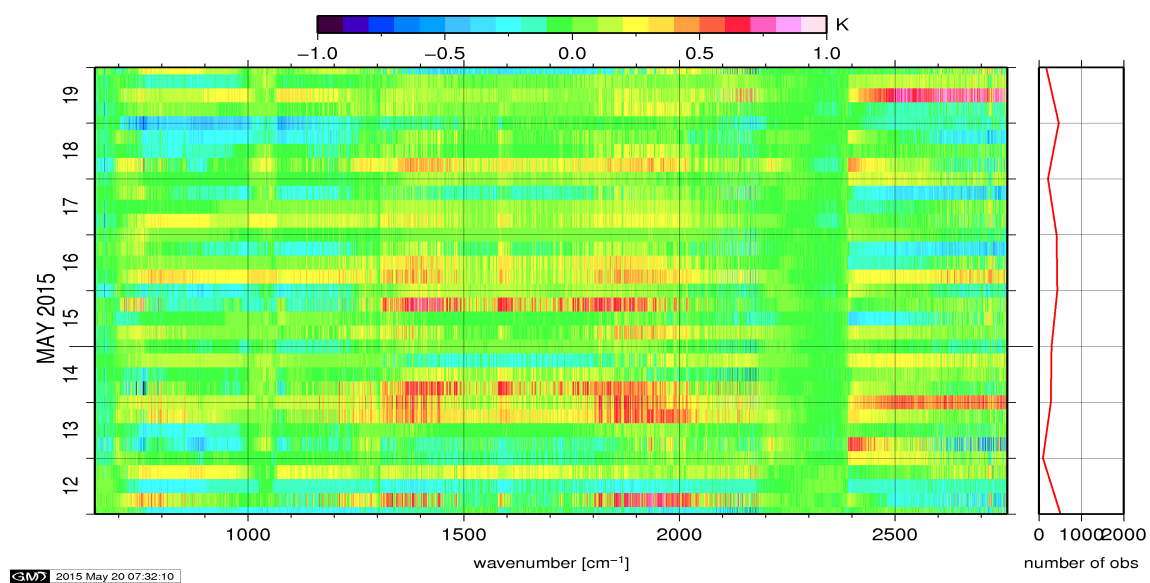


Figure 10: Radiance Anomaly in BRT: All Channels

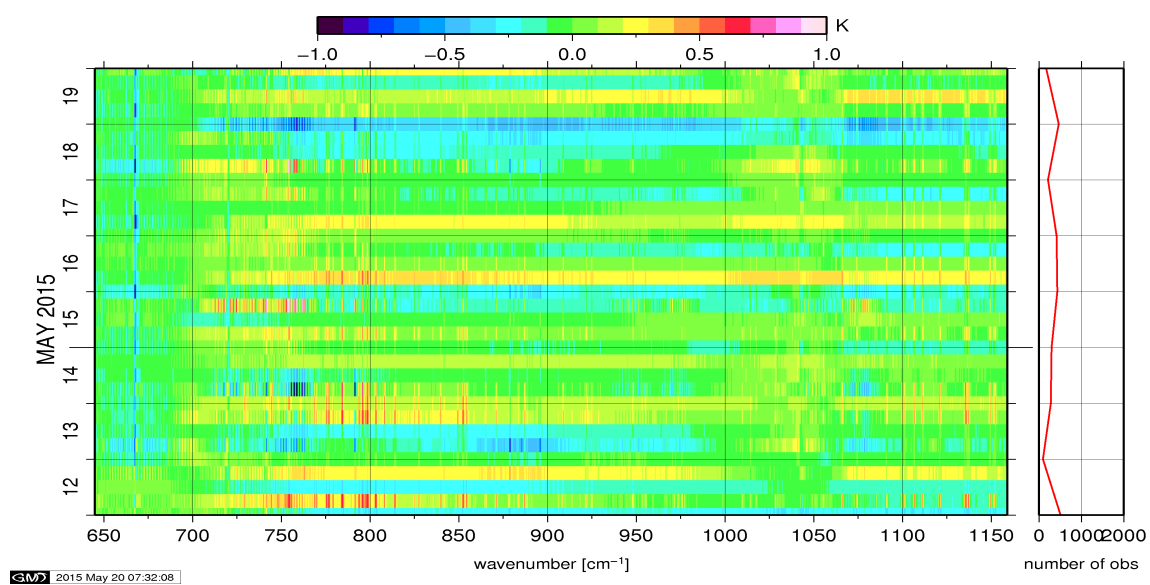


Figure 11: Radiance Anomaly in BRT: IASI Band 1

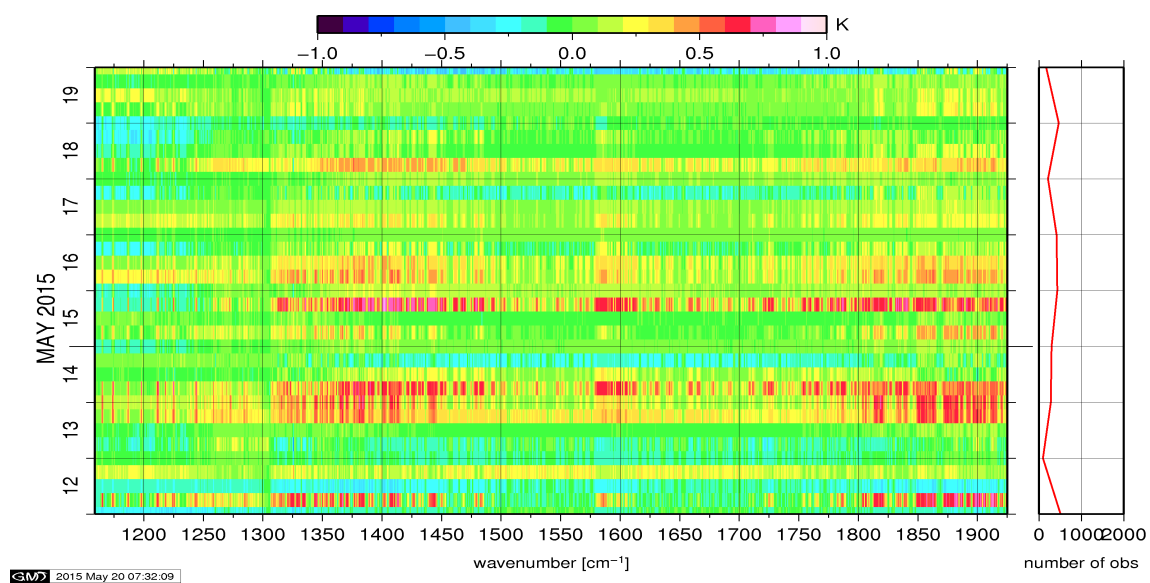


Figure 12: Radiance Anomaly in BRT: IASI Band 2

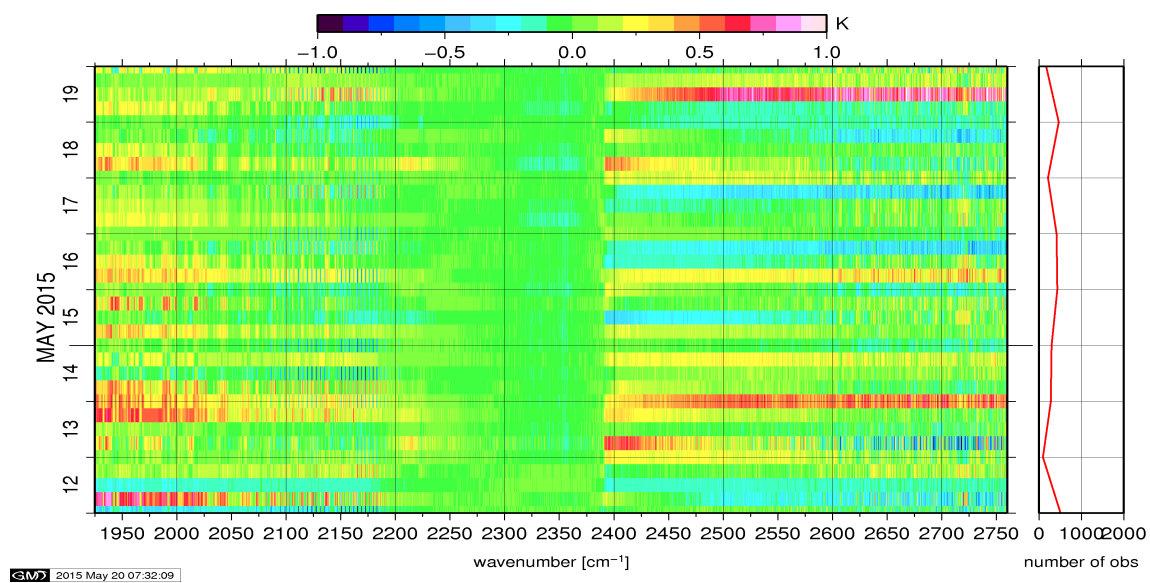


Figure 13: Radiance Anomaly in BRT: IASI Band 3

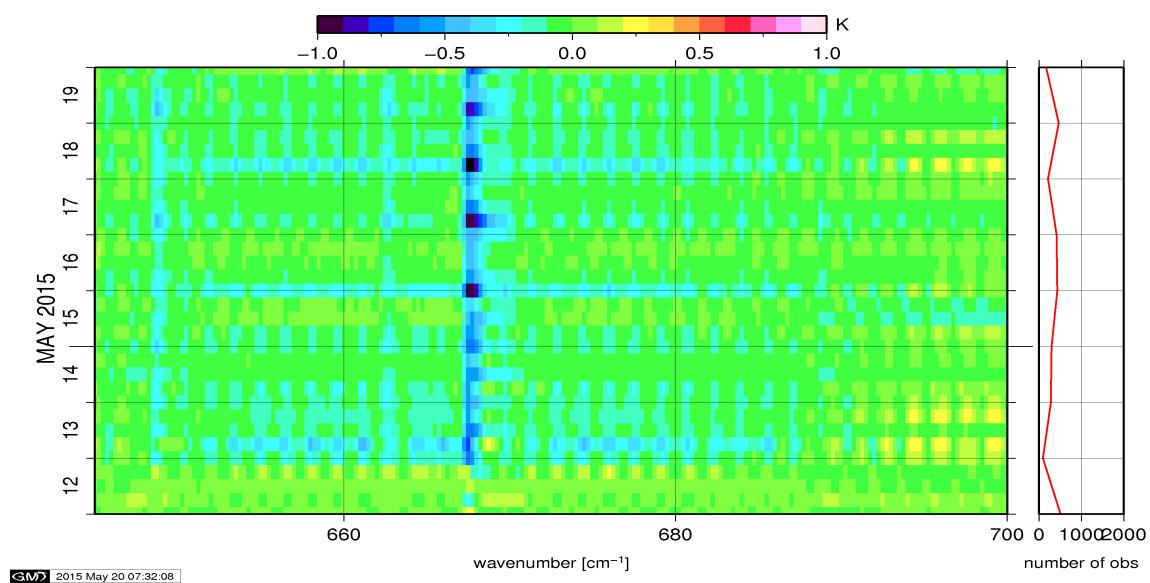


Figure 14: Radiance Anomaly in BRT: CO2 14

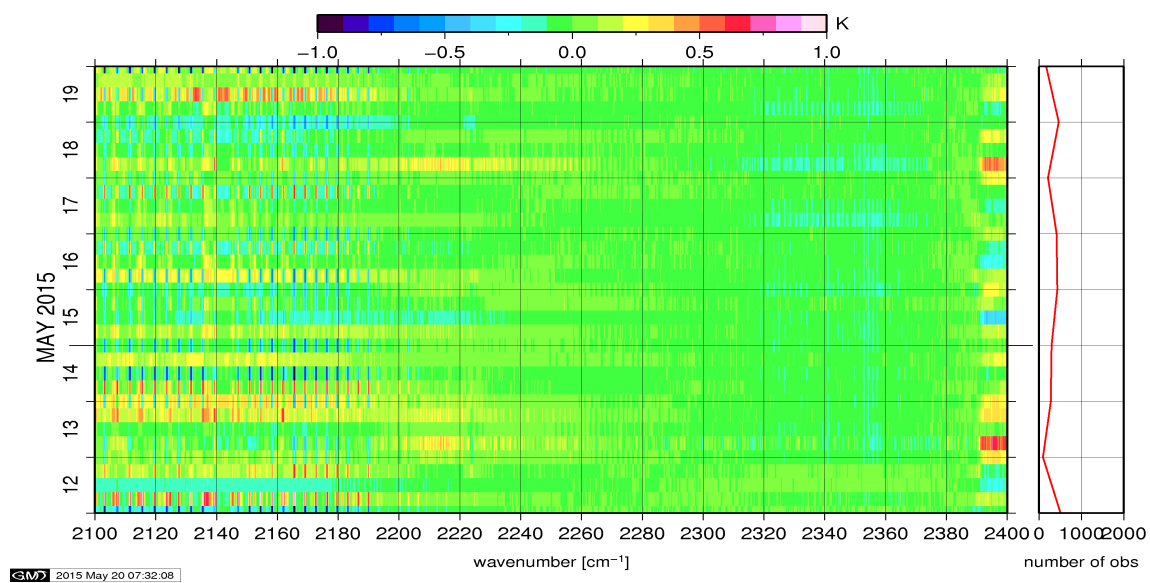


Figure 15: Radiance Anomaly in BRT: CO2 4.3

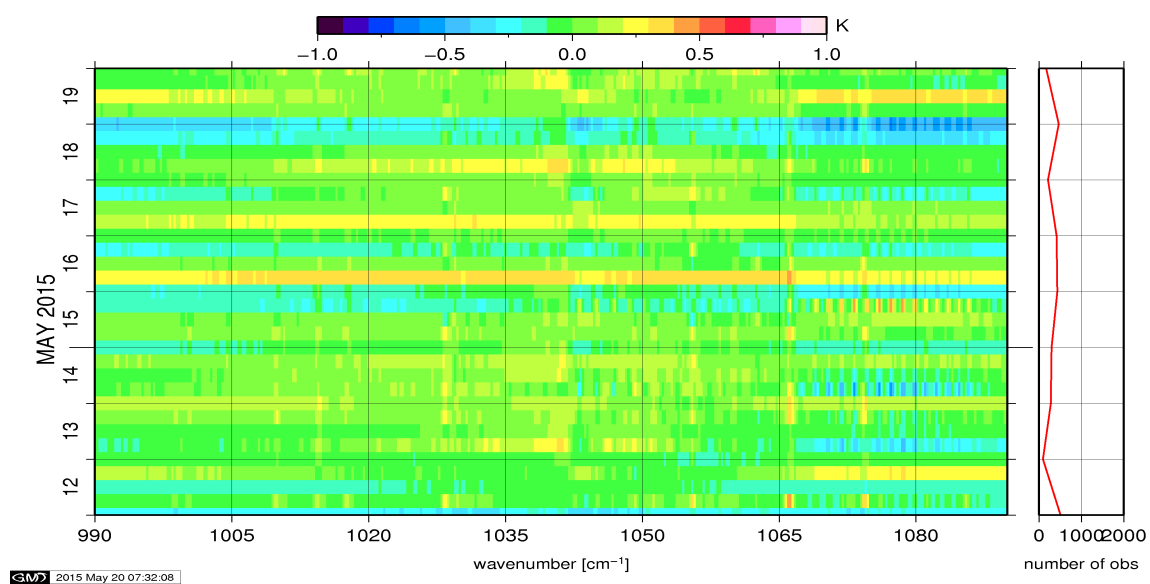


Figure 16: Radiance Anomaly in BRT: O3

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.

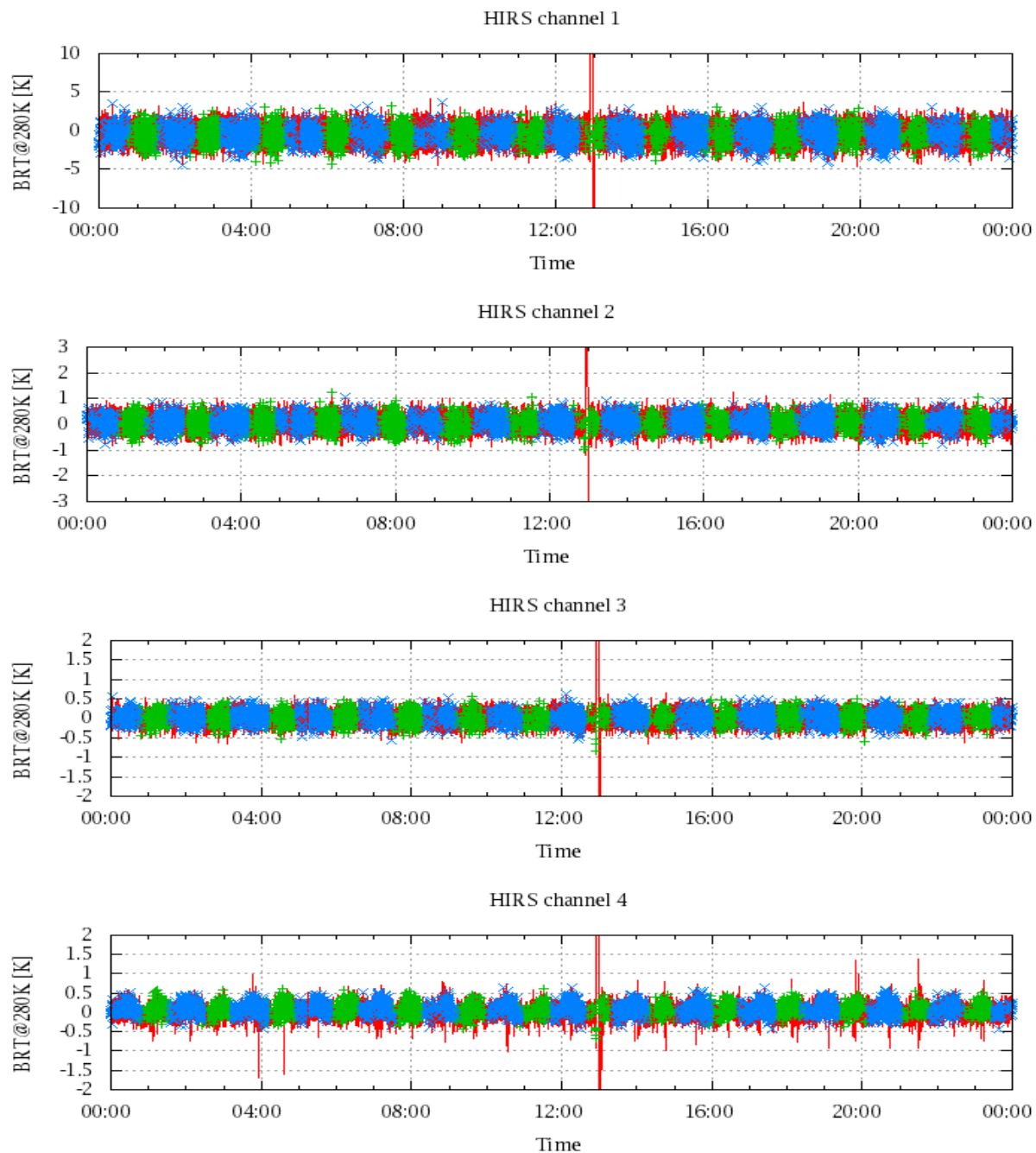


Figure 17: Radiance Differences in BRT

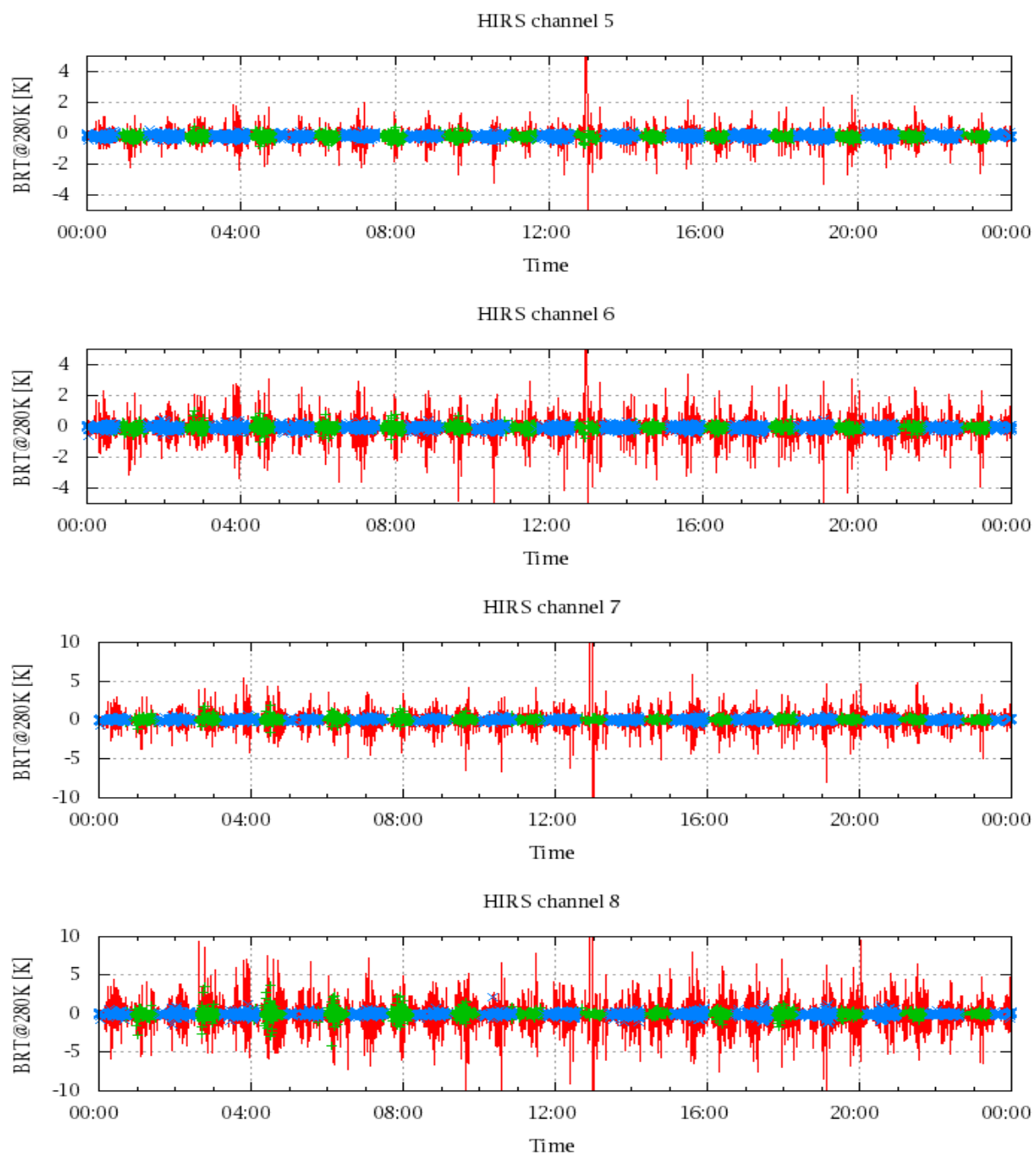


Figure 18: Radiance Differences in BRT

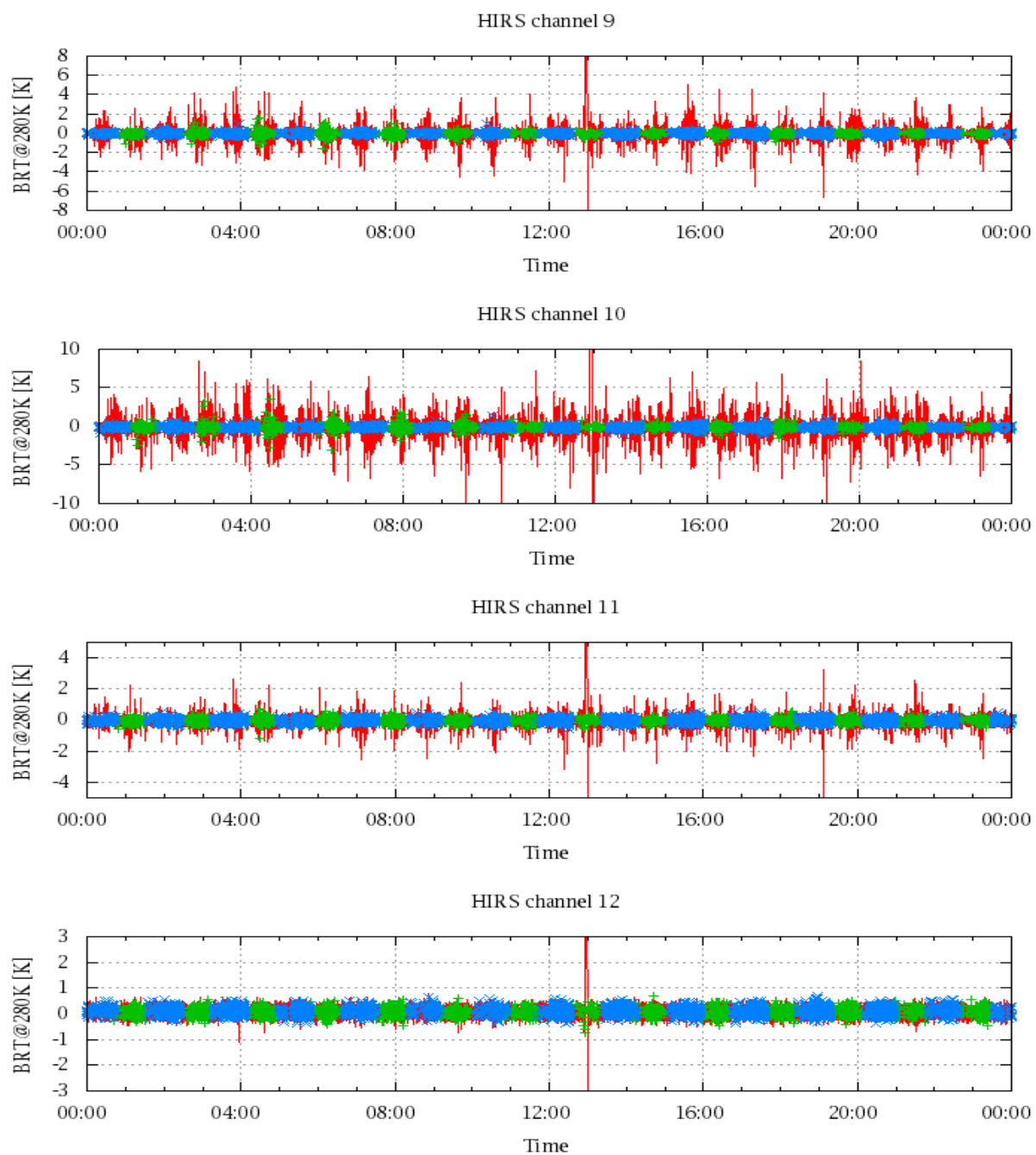


Figure 19: Radiance Differences in BRT

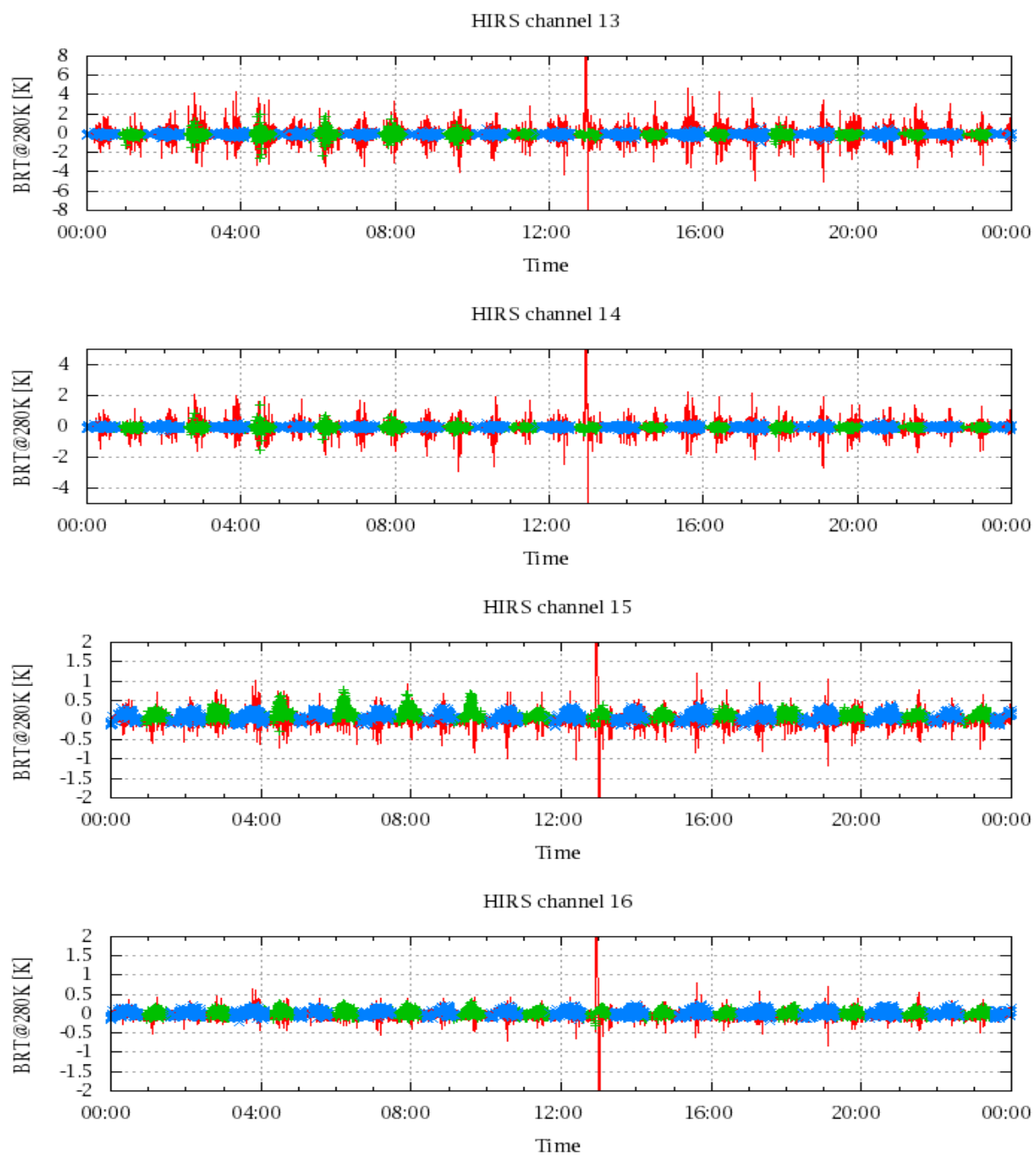


Figure 20: Radiance Differences in BRT

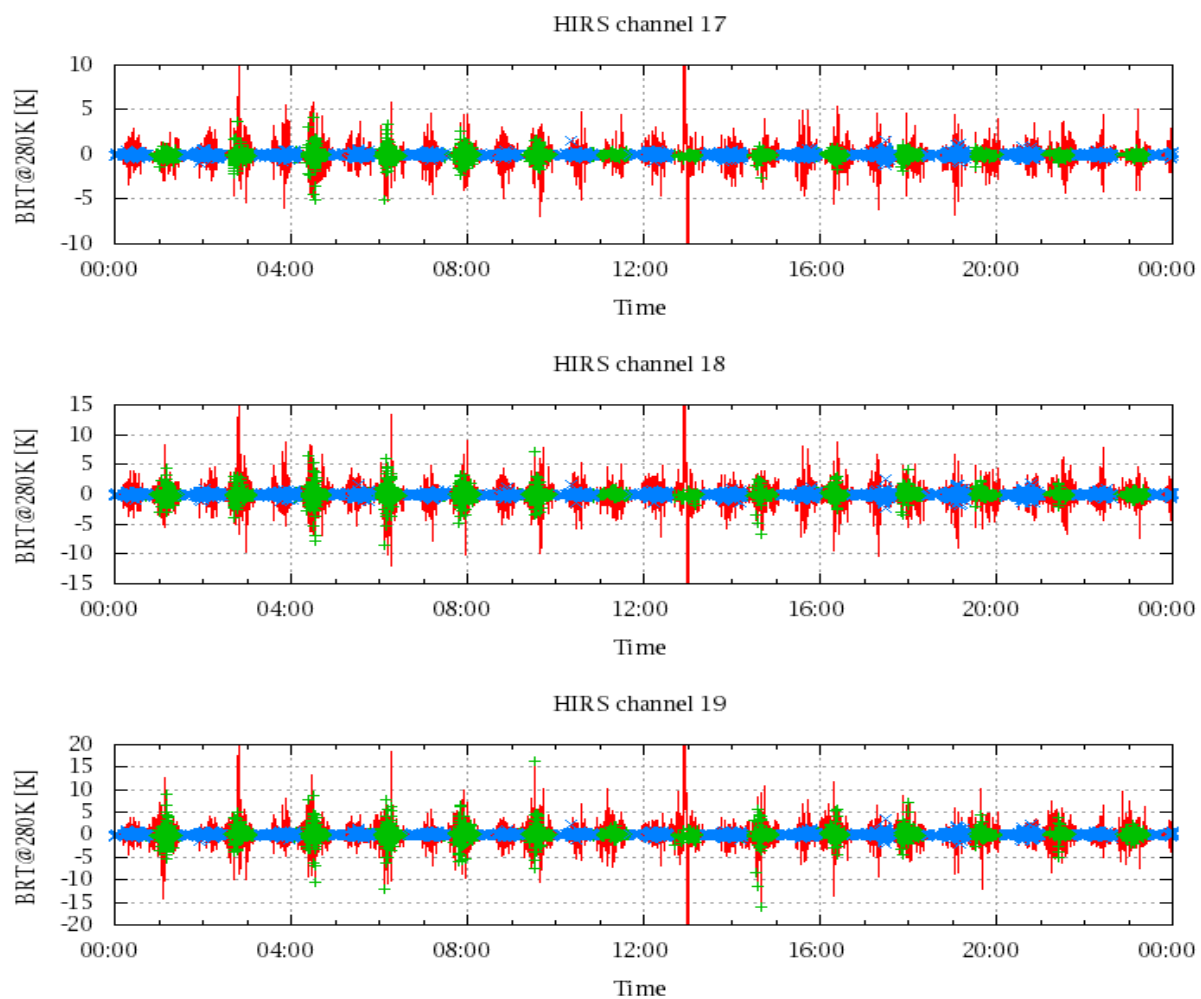


Figure 21: Radinace Differences in BRT