

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

02/04/2018 00:00:00 - 03/04/2018 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 02/04/2018 00:00:00 - 03/04/2018 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 02/04/2018 00:00:00 - 03/04/2018 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)	3867	3884	20180402163218.241	20180402163223.428
PX1 (130)	3888	3891	20180402163224.295	20180402163224.940
PX1 (130)	3905	3907	20180402163227.967	20180402163228.401
PX1 (130)	3907	3935	20180402163228.401	20180402163235.967
PX1 (130)	3935	3941	20180402163235.967	20180402163237.268
PX1 (130)	3941	4062	20180402163237.268	20180402163309.483
PX1 (130)	4062	4064	20180402163309.483	20180402163311.428
PX1 (130)	4064	4110	20180402163311.428	20180402163322.885
PX1 (130)	4111	4114	20180402163323.104	20180402163323.752
PX1 (130)	4114	4119	20180402163323.752	20180402163324.830
PX1 (130)	4119	4122	20180402163324.830	20180402163325.479
PX1 (130)	4122	4124	20180402163325.479	20180402163327.428
PX1 (130)	4124	4126	20180402163327.428	20180402163327.858
PX1 (130)	4127	4132	20180402163328.073	20180402163329.155
PX1 (130)	4132	4146	20180402163329.155	20180402163332.182
PX1 (130)	4146	4156	20180402163332.182	20180402163335.858
PX1 (130)	4157	4159	20180402163336.076	20180402163336.506
PX1 (130)	4175	4177	20180402163339.967	20180402163340.401

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	4178	4180	20180402163340.615	20180402163341.045
PX1 (130)	4185	4187	20180402163343.643	20180402163344.076
PX1 (130)	4196	4198	20180402163346.022	20180402163346.451
PX1 (130)	4229	4231	20180402163354.670	20180402163355.100
PX1 (130)	4234	4236	20180402163355.748	20180402163356.182
PX1 (130)	4245	4247	20180402163359.643	20180402163400.072
PX1 (130)	4270	4273	20180402163405.049	20180402163405.694
PX1 (130)	4288	4291	20180402163410.451	20180402163411.100
PX1 (130)	4335	4337	20180402163423.643	20180402163424.072
PX1 (130)	4390	4392	20180402163437.045	20180402163437.479
PX1 (130)	4434	4436	20180402163449.588	20180402163450.018
PX1 (130)	4445	4447	20180402163451.963	20180402163452.397
PX1 (130)	4505	4507	20180402163507.963	20180402163508.397
PX1 (130)	4514	4516	20180402163511.424	20180402163511.857
PX1 (130)	4525	4527	20180402163513.803	20180402163514.236
PX1 (130)	4527	4529	20180402163514.236	20180402163514.666
PX1 (130)	4529	4531	20180402163514.666	20180402163515.100
PX1 (130)	4531	4533	20180402163515.100	20180402163515.533
PX1 (130)	4533	4535	20180402163515.533	20180402163515.963
PX1 (130)	4541	4543	20180402163517.260	20180402163517.693
PX1 (130)	4547	4549	20180402163520.072	20180402163520.502
PX1 (130)	4549	4551	20180402163520.502	20180402163520.936
PX1 (130)	4553	4555	20180402163521.369	20180402163521.803
PX1 (130)	4584	4586	20180402163529.584	20180402163530.018
PX1 (130)	4589	4591	20180402163530.666	20180402163531.100
PX1 (130)	4607	4609	20180402163536.072	20180402163536.502
PX1 (130)	4675	4677	20180402163553.799	20180402163554.232
PX1 (130)	4685	4687	20180402163555.963	20180402163556.396
PX1 (130)	4700	4702	20180402163600.717	20180402163601.150
PX1 (130)	4792	4794	20180402163625.150	20180402163625.584
PX1 (130)	4802	4805	20180402163627.314	20180402163627.963
PX1 (130)	4813	4816	20180402163629.693	20180402163631.853
PX1 (130)	4833	4835	20180402163635.529	20180402163635.963
PX1 (130)	4835	4837	20180402163635.963	20180402163636.392
PX1 (130)	4843	4846	20180402163637.693	20180402163639.853
PX1 (130)	4862	4864	20180402163643.314	20180402163643.744
PX1 (130)	4866	4869	20180402163644.178	20180402163644.826
PX1 (130)	4870	4872	20180402163645.041	20180402163645.474
PX1 (130)	4882	4884	20180402163649.150	20180402163649.584
PX1 (130)	4917	4919	20180402163658.232	20180402163658.662
PX1 (130)	4964	4966	20180402163711.420	20180402163711.853
PX1 (130)	5103	5105	20180402163747.525	20180402163747.959
PX1 (130)	5107	5109	20180402163748.392	20180402163748.826
PX1 (130)	5118	5120	20180402163752.283	20180402163752.716
PX1 (130)	5123	5125	20180402163753.365	20180402163753.798
PX1 (130)	5129	5131	20180402163754.662	20180402163755.095
PX1 (130)	5133	5136	20180402163755.529	20180402163756.173
PX1 (130)	5146	5148	20180402163759.853	20180402163800.283
PX1 (130)	5166	5168	20180402163804.177	20180402163804.607
PX1 (130)	5182	5184	20180402163809.146	20180402163809.580
PX1 (130)	5185	5187	20180402163809.798	20180402163810.228
PX1 (130)	5187	5189	20180402163810.228	20180402163810.662
PX1 (130)	5231	5234	20180402163821.255	20180402163823.416

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	5240	5242	20180402163824.716	20180402163825.146
PX1 (130)	5245	5247	20180402163825.798	20180402163826.228
PX1 (130)	5280	5282	20180402163834.877	20180402163835.310
PX1 (130)	5315	5317	20180402163843.959	20180402163844.392
PX1 (130)	5317	5319	20180402163844.392	20180402163844.822
PX1 (130)	5331	5333	20180402163848.931	20180402163849.361
PX1 (130)	5352	5354	20180402163853.470	20180402163855.416
PX1 (130)	5383	5385	20180402163901.689	20180402163903.630
PX1 (130)	5391	5393	20180402163904.931	20180402163905.361
PX1 (130)	5398	5400	20180402163906.443	20180402163906.876
PX1 (130)	5427	5429	20180402163914.228	20180402163914.662
PX1 (130)	5431	5433	20180402163915.091	20180402163915.525
PX1 (130)	5471	5473	20180402163925.255	20180402163925.685
PX1 (130)	5492	5494	20180402163931.306	20180402163931.740
PX1 (130)	5538	5540	20180402163944.279	20180402163944.712
PX1 (130)	5681	5683	20180402164021.251	20180402164021.685
PX1 (130)	5752	5754	20180402164041.146	20180402164041.575
PX1 (130)	5758	5760	20180402164042.443	20180402164042.872
PX1 (130)	5780	5782	20180402164048.712	20180402164049.142
PX1 (130)	5783	5785	20180402164049.361	20180402164049.794
PX1 (130)	5791	5793	20180402164051.091	20180402164051.521
PX1 (130)	5796	5798	20180402164052.169	20180402164052.603
PX1 (130)	5811	5814	20180402164056.927	20180402164057.575
PX1 (130)	5815	5818	20180402164057.790	20180402164058.443
PX1 (130)	5818	5821	20180402164058.443	20180402164059.087
PX1 (130)	5821	5823	20180402164059.087	20180402164059.521
PX1 (130)	5838	5840	20180402164104.279	20180402164104.708
PX1 (130)	5842	5844	20180402164105.142	20180402164105.575
PX1 (130)	5847	5849	20180402164106.224	20180402164106.657
PX1 (130)	5855	5857	20180402164107.954	20180402164108.388
PX1 (130)	5858	5861	20180402164108.603	20180402164109.251
PX1 (130)	5861	5864	20180402164109.251	20180402164111.415
PX1 (130)	5868	5870	20180402164112.278	20180402164112.712
PX1 (130)	5875	5877	20180402164113.790	20180402164114.224
PX1 (130)	5879	5881	20180402164114.657	20180402164115.087
PX1 (130)	5883	5885	20180402164115.521	20180402164115.954
PX1 (130)	5885	5887	20180402164115.954	20180402164116.384
PX1 (130)	5887	5889	20180402164116.384	20180402164116.818
PX1 (130)	5889	5891	20180402164116.818	20180402164117.251
PX1 (130)	5895	5897	20180402164119.630	20180402164120.064
PX1 (130)	5901	5903	20180402164120.927	20180402164121.360
PX1 (130)	5904	5906	20180402164121.575	20180402164122.009
PX1 (130)	5916	5918	20180402164124.169	20180402164124.603
PX1 (130)	5968	5970	20180402164138.439	20180402164138.872
PX1 (130)	5976	5978	20180402164140.169	20180402164140.599
PX1 (130)	5984	5986	20180402164143.411	20180402164143.845
PX1 (130)	5994	5996	20180402164145.575	20180402164146.005
PX1 (130)	6030	6032	20180402164154.872	20180402164155.302
PX1 (130)	6034	6036	20180402164155.735	20180402164156.169
PX1 (130)	6038	6040	20180402164156.599	20180402164157.032
PX1 (130)	6049	6051	20180402164200.493	20180402164200.927
PX1 (130)	6080	6082	20180402164208.708	20180402164209.142
PX1 (130)	6086	6088	20180402164210.005	20180402164210.439

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	6156	6158	20180402164228.169	20180402164228.599
PX1 (130)	6180	6182	20180402164234.872	20180402164235.302
PX1 (130)	6200	6202	20180402164240.708	20180402164241.138
PX1 (130)	6217	6219	20180402164244.384	20180402164244.817
PX1 (130)	6224	6226	20180402164247.411	20180402164247.845
PX1 (130)	6230	6232	20180402164248.708	20180402164249.142
PX1 (130)	6240	6242	20180402164250.868	20180402164251.302
PX1 (130)	6249	6251	20180402164252.813	20180402164253.247
PX1 (130)	6258	6260	20180402164256.274	20180402164256.708
PX1 (130)	6260	6262	20180402164256.708	20180402164257.138
PX1 (130)	6274	6276	20180402164259.735	20180402164300.165
PX1 (130)	6284	6286	20180402164303.411	20180402164303.841
PX1 (130)	6290	6292	20180402164304.708	20180402164305.142
PX1 (130)	6319	6321	20180402164312.489	20180402164312.923
PX1 (130)	6344	6346	20180402164319.411	20180402164319.841
PX1 (130)	6361	6364	20180402164323.083	20180402164323.735
PX1 (130)	6425	6427	20180402164339.985	20180402164340.419
PX1 (130)	6444	6446	20180402164345.606	20180402164346.040
PX1 (130)	6446	6448	20180402164346.040	20180402164346.473
PX1 (130)	6453	6455	20180402164347.555	20180402164347.985
PX1 (130)	6455	6457	20180402164347.985	20180402164348.419
PX1 (130)	6461	6463	20180402164349.282	20180402164349.716
PX1 (130)	6466	6468	20180402164351.880	20180402164352.309
PX1 (130)	6486	6488	20180402164356.204	20180402164356.634
PX1 (130)	6492	6494	20180402164357.501	20180402164359.446
PX1 (130)	6499	6501	20180402164400.528	20180402164400.958
PX1 (130)	6523	6525	20180402164405.716	20180402164407.661
PX1 (130)	6525	6527	20180402164407.661	20180402164408.094
PX1 (130)	6536	6538	20180402164410.040	20180402164410.473
PX1 (130)	6540	6542	20180402164410.903	20180402164411.337
PX1 (130)	6545	6547	20180402164411.985	20180402164412.419
PX1 (130)	6561	6563	20180402164416.958	20180402164417.391
PX1 (130)	6612	6615	20180402164429.497	20180402164431.661
PX1 (130)	6624	6626	20180402164433.606	20180402164434.040
PX1 (130)	6628	6630	20180402164434.469	20180402164434.903
PX1 (130)	6630	6632	20180402164434.903	20180402164435.337
PX1 (130)	6638	6640	20180402164436.633	20180402164437.063
PX1 (130)	6645	6647	20180402164439.661	20180402164440.090
PX1 (130)	6650	6652	20180402164440.743	20180402164441.173
PX1 (130)	6656	6658	20180402164442.040	20180402164442.469
PX1 (130)	6662	6664	20180402164443.337	20180402164443.770
PX1 (130)	6668	6670	20180402164444.633	20180402164445.067
PX1 (130)	6672	6674	20180402164445.497	20180402164447.442
PX1 (130)	6694	6696	20180402164451.766	20180402164452.200
PX1 (130)	6814	6816	20180402164523.766	20180402164524.200
PX1 (130)	6834	6836	20180402164529.606	20180402164530.036
PX1 (130)	6841	6843	20180402164531.118	20180402164531.551
PX1 (130)	6856	6858	20180402164535.876	20180402164536.305
PX1 (130)	6890	6892	20180402164544.739	20180402164545.172
PX1 (130)	7002	7004	20180402164613.497	20180402164615.442
PX1 (130)	7014	7016	20180402164617.602	20180402164618.036
PX1 (130)	7026	7028	20180402164620.200	20180402164620.629
PX1 (130)	7031	7033	20180402164621.278	20180402164621.711
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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	7045	7047	20180402164625.821	20180402164626.254
PX1 (130)	7060	7064	20180402164629.063	20180402164631.442
PX1 (130)	7079	7081	20180402164634.684	20180402164635.114
PX1 (130)	7135	7137	20180402164649.817	20180402164650.254
PX1 (130)	7144	7146	20180402164651.766	20180402164652.196
PX1 (130)	7300	7302	20180402164733.059	20180402164733.492
PX1 (130)	7347	7349	20180402164746.250	20180402164746.684
PX1 (130)	7350	7352	20180402164746.899	20180402164747.328
PX1 (130)	7376	7379	20180402164754.031	20180402164754.680
PX1 (130)	7381	7383	20180402164755.113	20180402164755.547
PX1 (130)	7386	7389	20180402164756.196	20180402164756.844
PX1 (130)	7389	7391	20180402164756.844	20180402164757.274
PX1 (130)	7398	7400	20180402164800.301	20180402164800.735
PX1 (130)	7406	7408	20180402164802.031	20180402164802.465
PX1 (130)	7430	7432	20180402164808.735	20180402164809.168
PX1 (130)	7432	7434	20180402164809.168	20180402164809.602
PX1 (130)	7448	7450	20180402164812.629	20180402164813.059
PX1 (130)	7453	7489	20180402164813.707	20180402164824.520
PX1 (130)	7493	7495	20180402164825.383	20180402164825.817
PX1 (130)	7495	7497	20180402164825.817	20180402164826.250
PX1 (130)	7504	7507	20180402164827.762	20180402164828.410
PX1 (130)	7511	7513	20180402164829.274	20180402164829.707
PX1 (130)	7517	7519	20180402164832.086	20180402164832.520
PX1 (130)	7524	7526	20180402164833.598	20180402164834.031
PX1 (130)	7532	7534	20180402164835.328	20180402164835.762
PX1 (130)	7537	7539	20180402164836.410	20180402164836.844
PX1 (130)	7567	7569	20180402164844.410	20180402164844.840
PX1 (130)	7591	7593	20180402164851.113	20180402164851.547
PX1 (130)	7593	7595	20180402164851.547	20180402164851.977
PX1 (130)	7603	7605	20180402164853.707	20180402164855.652
PX1 (130)	7612	7614	20180402164857.168	20180402164857.598
PX1 (130)	7628	7630	20180402164900.625	20180402164901.059
PX1 (130)	7634	7636	20180402164903.438	20180402164903.867
PX1 (130)	7639	7641	20180402164904.520	20180402164904.949
PX1 (130)	7653	7655	20180402164907.543	20180402164907.977
PX1 (130)	7655	7657	20180402164907.977	20180402164908.410
PX1 (130)	7659	7661	20180402164908.844	20180402164909.273
PX1 (130)	7663	7667	20180402164909.707	20180402164912.086
PX1 (130)	7667	7669	20180402164912.086	20180402164912.516
PX1 (130)	7669	7671	20180402164912.516	20180402164912.949
PX1 (130)	7688	7690	20180402164916.625	20180402164917.059
PX1 (130)	7694	7696	20180402164919.438	20180402164919.867
PX1 (130)	7705	7707	20180402164921.816	20180402164922.246
PX1 (130)	7708	7710	20180402164922.461	20180402164922.895
PX2 (135)	3867	3884	20180402163218.241	20180402163223.428
PX2 (135)	3885	3887	20180402163223.643	20180402163224.077
PX2 (135)	3889	3891	20180402163224.510	20180402163224.940
PX2 (135)	3905	3908	20180402163227.967	20180402163228.620
PX2 (135)	3908	3935	20180402163228.620	20180402163235.967
PX2 (135)	3935	4064	20180402163235.967	20180402163311.428
PX2 (135)	4064	4066	20180402163311.428	20180402163311.862
PX2 (135)	4066	4108	20180402163311.862	20180402163322.451
PX2 (135)	4108	4112	20180402163322.451	20180402163323.319

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	4112	4119	20180402163323.319	20180402163324.830
PX2 (135)	4120	4122	20180402163325.049	20180402163325.479
PX2 (135)	4122	4124	20180402163325.479	20180402163327.428
PX2 (135)	4129	4131	20180402163328.506	20180402163328.940
PX2 (135)	4132	4141	20180402163329.155	20180402163331.104
PX2 (135)	4141	4154	20180402163331.104	20180402163335.428
PX2 (135)	4154	4157	20180402163335.428	20180402163336.076
PX2 (135)	4157	4159	20180402163336.076	20180402163336.506
PX2 (135)	4163	4165	20180402163337.373	20180402163337.803
PX2 (135)	4175	4177	20180402163339.967	20180402163340.401
PX2 (135)	4182	4184	20180402163341.479	20180402163343.428
PX2 (135)	4185	4187	20180402163343.643	20180402163344.076
PX2 (135)	4196	4198	20180402163346.022	20180402163346.451
PX2 (135)	4200	4203	20180402163346.885	20180402163347.533
PX2 (135)	4229	4231	20180402163354.670	20180402163355.100
PX2 (135)	4235	4237	20180402163355.967	20180402163356.401
PX2 (135)	4254	4256	20180402163401.588	20180402163402.022
PX2 (135)	4271	4273	20180402163405.264	20180402163405.694
PX2 (135)	4276	4278	20180402163407.858	20180402163408.291
PX2 (135)	4289	4291	20180402163410.670	20180402163411.100
PX2 (135)	4291	4295	20180402163411.100	20180402163411.967
PX2 (135)	4383	4385	20180402163435.533	20180402163435.963
PX2 (135)	4434	4436	20180402163449.588	20180402163450.018
PX2 (135)	4497	4500	20180402163506.232	20180402163506.885
PX2 (135)	4542	4544	20180402163517.479	20180402163519.424
PX2 (135)	4545	4547	20180402163519.639	20180402163520.072
PX2 (135)	4547	4549	20180402163520.072	20180402163520.502
PX2 (135)	4549	4551	20180402163520.502	20180402163520.936
PX2 (135)	4556	4558	20180402163522.018	20180402163522.451
PX2 (135)	4558	4560	20180402163522.451	20180402163522.885
PX2 (135)	4577	4579	20180402163528.072	20180402163528.506
PX2 (135)	4582	4584	20180402163529.150	20180402163529.584
PX2 (135)	4587	4589	20180402163530.236	20180402163530.666
PX2 (135)	4590	4592	20180402163530.881	20180402163531.314
PX2 (135)	4598	4600	20180402163532.611	20180402163533.045
PX2 (135)	4605	4608	20180402163535.639	20180402163536.287
PX2 (135)	4617	4619	20180402163538.232	20180402163538.666
PX2 (135)	4675	4678	20180402163553.799	20180402163554.451
PX2 (135)	4681	4683	20180402163555.100	20180402163555.529
PX2 (135)	4694	4696	20180402163559.424	20180402163559.853
PX2 (135)	4700	4702	20180402163600.717	20180402163601.150
PX2 (135)	4719	4721	20180402163604.826	20180402163605.260
PX2 (135)	4727	4729	20180402163608.072	20180402163608.502
PX2 (135)	4772	4774	20180402163619.314	20180402163619.744
PX2 (135)	4787	4790	20180402163624.068	20180402163624.721
PX2 (135)	4798	4802	20180402163626.447	20180402163627.314
PX2 (135)	4808	4812	20180402163628.611	20180402163629.474
PX2 (135)	4833	4835	20180402163635.529	20180402163635.963
PX2 (135)	4860	4862	20180402163642.881	20180402163643.314
PX2 (135)	4874	4876	20180402163647.420	20180402163647.853
PX2 (135)	4910	4912	20180402163656.717	20180402163657.150
PX2 (135)	4916	4918	20180402163658.013	20180402163658.447
PX2 (135)	5014	5016	20180402163723.744	20180402163724.177
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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	5016	5018	20180402163724.177	20180402163724.607
PX2 (135)	5096	5098	20180402163746.013	20180402163746.447
PX2 (135)	5103	5106	20180402163747.525	20180402163748.177
PX2 (135)	5107	5109	20180402163748.392	20180402163748.826
PX2 (135)	5116	5118	20180402163751.849	20180402163752.283
PX2 (135)	5121	5123	20180402163752.931	20180402163753.365
PX2 (135)	5126	5129	20180402163754.013	20180402163754.662
PX2 (135)	5169	5171	20180402163804.822	20180402163805.255
PX2 (135)	5173	5175	20180402163805.689	20180402163807.634
PX2 (135)	5177	5179	20180402163808.068	20180402163808.502
PX2 (135)	5179	5181	20180402163808.502	20180402163808.931
PX2 (135)	5194	5196	20180402163811.744	20180402163812.173
PX2 (135)	5202	5204	20180402163813.470	20180402163815.420
PX2 (135)	5225	5227	20180402163819.959	20180402163820.392
PX2 (135)	5237	5239	20180402163824.068	20180402163824.498
PX2 (135)	5240	5242	20180402163824.716	20180402163825.146
PX2 (135)	5267	5269	20180402163832.068	20180402163832.498
PX2 (135)	5270	5272	20180402163832.716	20180402163833.146
PX2 (135)	5275	5277	20180402163833.794	20180402163834.228
PX2 (135)	5343	5345	20180402163851.525	20180402163851.959
PX2 (135)	5346	5348	20180402163852.173	20180402163852.607
PX2 (135)	5361	5363	20180402163856.931	20180402163857.365
PX2 (135)	5387	5389	20180402163904.064	20180402163904.498
PX2 (135)	5419	5421	20180402163912.498	20180402163912.931
PX2 (135)	5428	5431	20180402163914.443	20180402163915.091
PX2 (135)	5432	5435	20180402163915.310	20180402163915.958
PX2 (135)	5438	5440	20180402163916.607	20180402163917.037
PX2 (135)	5515	5517	20180402163937.794	20180402163938.228
PX2 (135)	5549	5551	20180402163946.658	20180402163947.091
PX2 (135)	5558	5560	20180402163948.603	20180402163949.036
PX2 (135)	5569	5571	20180402163952.497	20180402163952.927
PX2 (135)	5638	5640	20180402164010.443	20180402164010.876
PX2 (135)	5640	5642	20180402164010.876	20180402164011.306
PX2 (135)	5662	5664	20180402164017.142	20180402164017.575
PX2 (135)	5681	5683	20180402164021.251	20180402164021.685
PX2 (135)	5753	5755	20180402164041.361	20180402164041.790
PX2 (135)	5767	5769	20180402164044.388	20180402164044.818
PX2 (135)	5772	5774	20180402164045.470	20180402164047.415
PX2 (135)	5782	5785	20180402164049.142	20180402164049.794
PX2 (135)	5786	5788	20180402164050.009	20180402164050.439
PX2 (135)	5790	5793	20180402164050.872	20180402164051.521
PX2 (135)	5806	5808	20180402164055.845	20180402164056.279
PX2 (135)	5811	5813	20180402164056.927	20180402164057.361
PX2 (135)	5828	5830	20180402164100.603	20180402164101.036
PX2 (135)	5830	5832	20180402164101.036	20180402164101.466
PX2 (135)	5838	5840	20180402164104.279	20180402164104.708
PX2 (135)	5848	5850	20180402164106.439	20180402164106.872
PX2 (135)	5858	5860	20180402164108.603	20180402164109.032
PX2 (135)	5864	5866	20180402164111.415	20180402164111.845
PX2 (135)	5871	5873	20180402164112.927	20180402164113.361
PX2 (135)	5885	5887	20180402164115.954	20180402164116.384
PX2 (135)	5887	5889	20180402164116.384	20180402164116.818
PX2 (135)	5889	5891	20180402164116.818	20180402164117.251

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	5897	5899	20180402164120.064	20180402164120.493
PX2 (135)	5903	5906	20180402164121.360	20180402164122.009
PX2 (135)	5907	5909	20180402164122.224	20180402164122.657
PX2 (135)	5911	5913	20180402164123.087	20180402164123.521
PX2 (135)	5915	5917	20180402164123.954	20180402164124.388
PX2 (135)	5958	5960	20180402164136.275	20180402164136.708
PX2 (135)	5968	5970	20180402164138.439	20180402164138.872
PX2 (135)	5987	5989	20180402164144.060	20180402164144.493
PX2 (135)	6030	6032	20180402164154.872	20180402164155.302
PX2 (135)	6049	6052	20180402164200.493	20180402164201.142
PX2 (135)	6080	6082	20180402164208.708	20180402164209.142
PX2 (135)	6095	6097	20180402164211.950	20180402164212.384
PX2 (135)	6117	6119	20180402164218.220	20180402164218.653
PX2 (135)	6143	6145	20180402164225.356	20180402164225.790
PX2 (135)	6146	6148	20180402164226.005	20180402164226.438
PX2 (135)	6149	6151	20180402164226.653	20180402164227.087
PX2 (135)	6156	6158	20180402164228.169	20180402164228.599
PX2 (135)	6187	6190	20180402164236.384	20180402164237.032
PX2 (135)	6220	6222	20180402164245.032	20180402164245.462
PX2 (135)	6224	6226	20180402164247.411	20180402164247.845
PX2 (135)	6229	6231	20180402164248.489	20180402164248.923
PX2 (135)	6232	6234	20180402164249.142	20180402164249.571
PX2 (135)	6244	6246	20180402164251.735	20180402164252.169
PX2 (135)	6256	6258	20180402164255.841	20180402164256.274
PX2 (135)	6285	6287	20180402164303.626	20180402164304.059
PX2 (135)	6301	6304	20180402164307.087	20180402164307.735
PX2 (135)	6315	6317	20180402164311.626	20180402164312.059
PX2 (135)	6355	6357	20180402164321.786	20180402164322.220
PX2 (135)	6419	6421	20180402164338.688	20180402164339.122
PX2 (135)	6425	6427	20180402164339.985	20180402164340.419
PX2 (135)	6442	6444	20180402164345.177	20180402164345.606
PX2 (135)	6444	6446	20180402164345.606	20180402164346.040
PX2 (135)	6458	6460	20180402164348.634	20180402164349.067
PX2 (135)	6485	6487	20180402164355.985	20180402164356.419
PX2 (135)	6498	6500	20180402164400.309	20180402164400.743
PX2 (135)	6501	6503	20180402164400.958	20180402164401.391
PX2 (135)	6523	6525	20180402164405.716	20180402164407.661
PX2 (135)	6532	6534	20180402164409.177	20180402164409.606
PX2 (135)	6536	6538	20180402164410.040	20180402164410.473
PX2 (135)	6556	6558	20180402164415.876	20180402164416.309
PX2 (135)	6565	6567	20180402164417.825	20180402164418.259
PX2 (135)	6571	6573	20180402164419.122	20180402164419.551
PX2 (135)	6610	6612	20180402164429.067	20180402164429.497
PX2 (135)	6613	6615	20180402164429.716	20180402164431.661
PX2 (135)	6642	6644	20180402164437.497	20180402164439.446
PX2 (135)	6661	6663	20180402164443.118	20180402164443.551
PX2 (135)	6694	6696	20180402164451.766	20180402164452.200
PX2 (135)	6701	6703	20180402164453.282	20180402164453.715
PX2 (135)	6743	6745	20180402164505.391	20180402164505.821
PX2 (135)	6814	6816	20180402164523.766	20180402164524.200
PX2 (135)	6871	6873	20180402164539.118	20180402164539.551
PX2 (135)	6890	6892	20180402164544.739	20180402164545.172
PX2 (135)	6976	6978	20180402164607.872	20180402164608.305
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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	6978	6980	20180402164608.305	20180402164608.739
PX2 (135)	7004	7006	20180402164615.442	20180402164615.875
PX2 (135)	7031	7033	20180402164621.278	20180402164621.711
PX2 (135)	7045	7047	20180402164625.821	20180402164626.254
PX2 (135)	7079	7081	20180402164634.684	20180402164635.114
PX2 (135)	7097	7099	20180402164640.090	20180402164640.524
PX2 (135)	7137	7139	20180402164650.254	20180402164650.684
PX2 (135)	7167	7169	20180402164658.250	20180402164658.684
PX2 (135)	7181	7183	20180402164701.278	20180402164701.711
PX2 (135)	7244	7246	20180402164719.438	20180402164719.871
PX2 (135)	7313	7315	20180402164737.383	20180402164737.817
PX2 (135)	7389	7392	20180402164756.844	20180402164757.492
PX2 (135)	7393	7395	20180402164757.707	20180402164759.656
PX2 (135)	7398	7400	20180402164800.301	20180402164800.735
PX2 (135)	7424	7426	20180402164807.438	20180402164807.871
PX2 (135)	7428	7430	20180402164808.305	20180402164808.735
PX2 (135)	7430	7432	20180402164808.735	20180402164809.168
PX2 (135)	7438	7440	20180402164810.465	20180402164810.899
PX2 (135)	7445	7447	20180402164811.977	20180402164812.410
PX2 (135)	7451	7490	20180402164813.274	20180402164824.735
PX2 (135)	7496	7500	20180402164826.031	20180402164826.899
PX2 (135)	7505	7508	20180402164827.977	20180402164828.625
PX2 (135)	7518	7520	20180402164832.301	20180402164832.734
PX2 (135)	7543	7545	20180402164837.707	20180402164839.652
PX2 (135)	7550	7552	20180402164840.734	20180402164841.168
PX2 (135)	7555	7557	20180402164841.816	20180402164842.250
PX2 (135)	7583	7585	20180402164849.383	20180402164849.816
PX2 (135)	7603	7605	20180402164853.707	20180402164855.652
PX2 (135)	7612	7614	20180402164857.168	20180402164857.598
PX2 (135)	7623	7625	20180402164859.543	20180402164859.977
PX2 (135)	7646	7648	20180402164906.031	20180402164906.461
PX2 (135)	7655	7657	20180402164907.977	20180402164908.410
PX2 (135)	7657	7659	20180402164908.410	20180402164908.844
PX2 (135)	7663	7669	20180402164909.707	20180402164912.516
PX2 (135)	7673	7675	20180402164913.383	20180402164913.813
PX2 (135)	7676	7678	20180402164914.031	20180402164914.465
PX2 (135)	7680	7682	20180402164914.895	20180402164915.328
PX2 (135)	7695	7697	20180402164919.652	20180402164920.086
PX2 (135)	7722	7724	20180402164925.488	20180402164927.437
PX3 (140)	3866	3884	20180402163218.022	20180402163223.428
PX3 (140)	3885	3887	20180402163223.643	20180402163224.077
PX3 (140)	3905	3907	20180402163227.967	20180402163228.401
PX3 (140)	3907	3934	20180402163228.401	20180402163235.752
PX3 (140)	3934	4066	20180402163235.752	20180402163311.862
PX3 (140)	4066	4104	20180402163311.862	20180402163321.588
PX3 (140)	4104	4106	20180402163321.588	20180402163322.022
PX3 (140)	4106	4114	20180402163322.022	20180402163323.752
PX3 (140)	4115	4117	20180402163323.967	20180402163324.401
PX3 (140)	4117	4122	20180402163324.401	20180402163325.479
PX3 (140)	4122	4125	20180402163325.479	20180402163327.643
PX3 (140)	4125	4127	20180402163327.643	20180402163328.073
PX3 (140)	4131	4136	20180402163328.940	20180402163330.022
PX3 (140)	4136	4149	20180402163330.022	20180402163332.830
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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	4149	4156	20180402163332.830	20180402163335.858
PX3 (140)	4182	4184	20180402163341.479	20180402163343.428
PX3 (140)	4215	4217	20180402163351.643	20180402163352.076
PX3 (140)	4225	4227	20180402163353.803	20180402163354.240
PX3 (140)	4230	4232	20180402163354.885	20180402163355.319
PX3 (140)	4235	4237	20180402163355.967	20180402163356.401
PX3 (140)	4241	4243	20180402163357.264	20180402163357.697
PX3 (140)	4263	4265	20180402163403.533	20180402163403.967
PX3 (140)	4277	4279	20180402163408.072	20180402163408.506
PX3 (140)	4292	4295	20180402163411.319	20180402163411.967
PX3 (140)	4354	4356	20180402163427.748	20180402163428.182
PX3 (140)	4367	4370	20180402163432.072	20180402163432.721
PX3 (140)	4381	4383	20180402163435.100	20180402163435.533
PX3 (140)	4388	4390	20180402163436.615	20180402163437.045
PX3 (140)	4440	4442	20180402163450.885	20180402163451.318
PX3 (140)	4450	4452	20180402163453.045	20180402163453.479
PX3 (140)	4456	4458	20180402163455.857	20180402163456.287
PX3 (140)	4497	4499	20180402163506.232	20180402163506.666
PX3 (140)	4532	4534	20180402163515.314	20180402163515.748
PX3 (140)	4534	4536	20180402163515.748	20180402163516.182
PX3 (140)	4538	4540	20180402163516.611	20180402163517.045
PX3 (140)	4542	4544	20180402163517.479	20180402163519.424
PX3 (140)	4546	4548	20180402163519.857	20180402163520.287
PX3 (140)	4582	4584	20180402163529.150	20180402163529.584
PX3 (140)	4585	4587	20180402163529.803	20180402163530.236
PX3 (140)	4590	4592	20180402163530.881	20180402163531.314
PX3 (140)	4593	4595	20180402163531.533	20180402163531.963
PX3 (140)	4598	4600	20180402163532.611	20180402163533.045
PX3 (140)	4603	4605	20180402163533.693	20180402163535.639
PX3 (140)	4606	4608	20180402163535.857	20180402163536.287
PX3 (140)	4609	4611	20180402163536.502	20180402163536.936
PX3 (140)	4616	4618	20180402163538.018	20180402163538.451
PX3 (140)	4621	4623	20180402163539.100	20180402163539.529
PX3 (140)	4676	4678	20180402163554.018	20180402163554.451
PX3 (140)	4694	4696	20180402163559.424	20180402163559.853
PX3 (140)	4730	4732	20180402163608.721	20180402163609.150
PX3 (140)	4758	4760	20180402163616.287	20180402163616.721
PX3 (140)	4796	4798	20180402163626.017	20180402163626.447
PX3 (140)	4798	4800	20180402163626.447	20180402163626.881
PX3 (140)	4805	4810	20180402163627.963	20180402163629.045
PX3 (140)	4842	4844	20180402163637.474	20180402163639.420
PX3 (140)	4845	4847	20180402163639.635	20180402163640.068
PX3 (140)	4849	4851	20180402163640.502	20180402163640.935
PX3 (140)	4859	4862	20180402163642.662	20180402163643.314
PX3 (140)	4901	4903	20180402163653.260	20180402163653.689
PX3 (140)	4915	4917	20180402163657.799	20180402163658.232
PX3 (140)	4983	4985	20180402163715.529	20180402163715.959
PX3 (140)	5010	5012	20180402163722.881	20180402163723.310
PX3 (140)	5012	5014	20180402163723.310	20180402163723.744
PX3 (140)	5019	5021	20180402163724.826	20180402163725.259
PX3 (140)	5027	5029	20180402163728.068	20180402163728.502
PX3 (140)	5068	5070	20180402163738.447	20180402163738.877
PX3 (140)	5093	5095	20180402163745.365	20180402163745.798
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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	5096	5098	20180402163746.013	20180402163746.447
PX3 (140)	5116	5118	20180402163751.849	20180402163752.283
PX3 (140)	5121	5123	20180402163752.931	20180402163753.365
PX3 (140)	5127	5129	20180402163754.228	20180402163754.662
PX3 (140)	5140	5143	20180402163757.041	20180402163757.689
PX3 (140)	5154	5156	20180402163801.580	20180402163802.013
PX3 (140)	5179	5181	20180402163808.502	20180402163808.931
PX3 (140)	5181	5183	20180402163808.931	20180402163809.365
PX3 (140)	5184	5186	20180402163809.580	20180402163810.013
PX3 (140)	5186	5188	20180402163810.013	20180402163810.447
PX3 (140)	5242	5244	20180402163825.146	20180402163825.580
PX3 (140)	5267	5269	20180402163832.068	20180402163832.498
PX3 (140)	5274	5276	20180402163833.580	20180402163834.013
PX3 (140)	5279	5281	20180402163834.662	20180402163835.091
PX3 (140)	5303	5305	20180402163841.365	20180402163841.794
PX3 (140)	5313	5315	20180402163843.525	20180402163843.959
PX3 (140)	5338	5340	20180402163850.443	20180402163850.876
PX3 (140)	5385	5387	20180402163903.630	20180402163904.064
PX3 (140)	5390	5392	20180402163904.712	20180402163905.146
PX3 (140)	5393	5395	20180402163905.361	20180402163905.794
PX3 (140)	5402	5404	20180402163907.310	20180402163907.740
PX3 (140)	5407	5409	20180402163908.388	20180402163908.822
PX3 (140)	5426	5428	20180402163914.009	20180402163914.443
PX3 (140)	5429	5432	20180402163914.662	20180402163915.310
PX3 (140)	5433	5435	20180402163915.525	20180402163915.958
PX3 (140)	5443	5445	20180402163917.685	20180402163919.634
PX3 (140)	5482	5484	20180402163929.146	20180402163929.580
PX3 (140)	5532	5534	20180402163941.470	20180402163943.415
PX3 (140)	5543	5545	20180402163945.361	20180402163945.794
PX3 (140)	5558	5560	20180402163948.603	20180402163949.036
PX3 (140)	5628	5630	20180402164008.279	20180402164008.712
PX3 (140)	5648	5650	20180402164012.603	20180402164013.036
PX3 (140)	5677	5679	20180402164020.388	20180402164020.822
PX3 (140)	5718	5720	20180402164032.279	20180402164032.712
PX3 (140)	5753	5755	20180402164041.361	20180402164041.790
PX3 (140)	5760	5762	20180402164042.872	20180402164043.306
PX3 (140)	5764	5766	20180402164043.739	20180402164044.169
PX3 (140)	5767	5769	20180402164044.388	20180402164044.818
PX3 (140)	5772	5774	20180402164045.470	20180402164047.415
PX3 (140)	5775	5777	20180402164047.630	20180402164048.064
PX3 (140)	5804	5808	20180402164055.415	20180402164056.279
PX3 (140)	5832	5834	20180402164101.466	20180402164103.411
PX3 (140)	5835	5837	20180402164103.630	20180402164104.064
PX3 (140)	5849	5851	20180402164106.657	20180402164107.091
PX3 (140)	5858	5860	20180402164108.603	20180402164109.032
PX3 (140)	5867	5869	20180402164112.060	20180402164112.493
PX3 (140)	5876	5878	20180402164114.009	20180402164114.439
PX3 (140)	5878	5880	20180402164114.439	20180402164114.872
PX3 (140)	5880	5882	20180402164114.872	20180402164115.306
PX3 (140)	5884	5886	20180402164115.739	20180402164116.169
PX3 (140)	5897	5899	20180402164120.064	20180402164120.493
PX3 (140)	5919	5921	20180402164124.818	20180402164125.251
PX3 (140)	5980	5982	20180402164141.032	20180402164141.466

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	5992	5994	20180402164145.142	20180402164145.575
PX3 (140)	6038	6040	20180402164156.599	20180402164157.032
PX3 (140)	6049	6052	20180402164200.493	20180402164201.142
PX3 (140)	6080	6082	20180402164208.708	20180402164209.142
PX3 (140)	6164	6166	20180402164231.411	20180402164231.845
PX3 (140)	6172	6174	20180402164233.142	20180402164233.571
PX3 (140)	6197	6199	20180402164240.060	20180402164240.493
PX3 (140)	6211	6213	20180402164243.087	20180402164243.520
PX3 (140)	6219	6221	20180402164244.817	20180402164245.247
PX3 (140)	6223	6225	20180402164245.681	20180402164247.626
PX3 (140)	6229	6231	20180402164248.489	20180402164248.923
PX3 (140)	6254	6256	20180402164255.411	20180402164255.841
PX3 (140)	6280	6282	20180402164301.032	20180402164301.462
PX3 (140)	6294	6296	20180402164305.571	20180402164306.005
PX3 (140)	6301	6303	20180402164307.087	20180402164307.516
PX3 (140)	6303	6305	20180402164307.516	20180402164307.950
PX3 (140)	6307	6309	20180402164308.384	20180402164308.813
PX3 (140)	6322	6324	20180402164313.138	20180402164313.571
PX3 (140)	6435	6437	20180402164343.661	20180402164344.095
PX3 (140)	6467	6469	20180402164352.095	20180402164352.524
PX3 (140)	6476	6478	20180402164354.040	20180402164354.473
PX3 (140)	6493	6495	20180402164357.716	20180402164359.661
PX3 (140)	6501	6503	20180402164400.958	20180402164401.391
PX3 (140)	6519	6521	20180402164404.852	20180402164405.282
PX3 (140)	6527	6529	20180402164408.094	20180402164408.524
PX3 (140)	6530	6532	20180402164408.743	20180402164409.177
PX3 (140)	6556	6558	20180402164415.876	20180402164416.309
PX3 (140)	6573	6575	20180402164419.551	20180402164419.985
PX3 (140)	6579	6581	20180402164420.848	20180402164421.282
PX3 (140)	6608	6610	20180402164428.633	20180402164429.067
PX3 (140)	6623	6625	20180402164433.391	20180402164433.821
PX3 (140)	6627	6629	20180402164434.255	20180402164434.688
PX3 (140)	6629	6631	20180402164434.688	20180402164435.122
PX3 (140)	6631	6633	20180402164435.122	20180402164435.551
PX3 (140)	6637	6639	20180402164436.419	20180402164436.848
PX3 (140)	6644	6646	20180402164439.446	20180402164439.876
PX3 (140)	6664	6666	20180402164443.770	20180402164444.200
PX3 (140)	6685	6687	20180402164449.821	20180402164450.255
PX3 (140)	6719	6721	20180402164458.688	20180402164459.118
PX3 (140)	6816	6818	20180402164524.200	20180402164524.633
PX3 (140)	6837	6839	20180402164530.254	20180402164530.684
PX3 (140)	6871	6873	20180402164539.118	20180402164539.551
PX3 (140)	6949	6951	20180402164600.524	20180402164600.954
PX3 (140)	6974	6976	20180402164607.442	20180402164607.872
PX3 (140)	7011	7013	20180402164616.954	20180402164617.387
PX3 (140)	7074	7076	20180402164633.602	20180402164634.036
PX3 (140)	7096	7098	20180402164639.871	20180402164640.305
PX3 (140)	7105	7107	20180402164641.821	20180402164642.254
PX3 (140)	7109	7111	20180402164642.684	20180402164643.118
PX3 (140)	7119	7121	20180402164644.844	20180402164645.278
PX3 (140)	7179	7181	20180402164700.844	20180402164701.278
PX3 (140)	7188	7190	20180402164704.305	20180402164704.739
PX3 (140)	7196	7198	20180402164706.035	20180402164706.465

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	7291	7293	20180402164731.114	20180402164731.547
PX3 (140)	7295	7297	20180402164731.981	20180402164732.410
PX3 (140)	7347	7349	20180402164746.250	20180402164746.684
PX3 (140)	7365	7367	20180402164751.653	20180402164752.086
PX3 (140)	7382	7384	20180402164755.332	20180402164755.762
PX3 (140)	7392	7395	20180402164757.492	20180402164759.656
PX3 (140)	7395	7397	20180402164759.656	20180402164800.086
PX3 (140)	7415	7417	20180402164803.981	20180402164804.410
PX3 (140)	7419	7421	20180402164804.844	20180402164805.278
PX3 (140)	7421	7423	20180402164805.278	20180402164805.707
PX3 (140)	7424	7426	20180402164807.438	20180402164807.871
PX3 (140)	7431	7433	20180402164808.949	20180402164809.383
PX3 (140)	7442	7444	20180402164811.328	20180402164811.762
PX3 (140)	7451	7479	20180402164813.274	20180402164820.844
PX3 (140)	7479	7490	20180402164820.844	20180402164824.735
PX3 (140)	7506	7508	20180402164828.195	20180402164828.625
PX3 (140)	7524	7526	20180402164833.598	20180402164834.031
PX3 (140)	7527	7529	20180402164834.250	20180402164834.680
PX3 (140)	7542	7544	20180402164837.492	20180402164839.438
PX3 (140)	7545	7547	20180402164839.652	20180402164840.086
PX3 (140)	7557	7559	20180402164842.250	20180402164842.680
PX3 (140)	7570	7572	20180402164845.059	20180402164845.492
PX3 (140)	7591	7595	20180402164851.113	20180402164851.977
PX3 (140)	7611	7614	20180402164856.949	20180402164857.598
PX3 (140)	7617	7620	20180402164858.246	20180402164858.895
PX3 (140)	7623	7625	20180402164859.543	20180402164859.977
PX3 (140)	7631	7633	20180402164901.273	20180402164901.707
PX3 (140)	7636	7638	20180402164903.867	20180402164904.301
PX3 (140)	7646	7648	20180402164906.031	20180402164906.461
PX3 (140)	7663	7667	20180402164909.707	20180402164912.086
PX3 (140)	7667	7669	20180402164912.086	20180402164912.516
PX3 (140)	7670	7672	20180402164912.734	20180402164913.168
PX3 (140)	7689	7691	20180402164916.840	20180402164917.273
PX3 (140)	7697	7700	20180402164920.086	20180402164920.734
PX3 (140)	7719	7721	20180402164924.840	20180402164925.273
PX3 (140)	7721	7723	20180402164925.273	20180402164925.707
PX3 (140)	7733	7735	20180402164929.379	20180402164929.812
PX4 (145)	3866	3885	20180402163218.022	20180402163223.643
PX4 (145)	3905	3907	20180402163227.967	20180402163228.401
PX4 (145)	3907	3934	20180402163228.401	20180402163235.752
PX4 (145)	3934	4104	20180402163235.752	20180402163321.588
PX4 (145)	4104	4112	20180402163321.588	20180402163323.319
PX4 (145)	4112	4114	20180402163323.319	20180402163323.752
PX4 (145)	4115	4120	20180402163323.967	20180402163325.049
PX4 (145)	4120	4124	20180402163325.049	20180402163327.428
PX4 (145)	4126	4128	20180402163327.858	20180402163328.291
PX4 (145)	4129	4133	20180402163328.506	20180402163329.373
PX4 (145)	4133	4139	20180402163329.373	20180402163330.670
PX4 (145)	4139	4144	20180402163330.670	20180402163331.752
PX4 (145)	4144	4152	20180402163331.752	20180402163333.479
PX4 (145)	4152	4156	20180402163333.479	20180402163335.858
PX4 (145)	4176	4178	20180402163340.182	20180402163340.615
PX4 (145)	4186	4188	20180402163343.858	20180402163344.291
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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	4198	4200	20180402163346.451	20180402163346.885
PX4 (145)	4201	4204	20180402163347.100	20180402163347.752
PX4 (145)	4206	4208	20180402163348.182	20180402163348.615
PX4 (145)	4209	4211	20180402163348.830	20180402163349.264
PX4 (145)	4225	4227	20180402163353.803	20180402163354.240
PX4 (145)	4236	4238	20180402163356.182	20180402163356.615
PX4 (145)	4248	4250	20180402163400.291	20180402163400.725
PX4 (145)	4264	4266	20180402163403.748	20180402163404.182
PX4 (145)	4296	4299	20180402163412.182	20180402163412.830
PX4 (145)	4299	4302	20180402163412.830	20180402163413.479
PX4 (145)	4302	4304	20180402163413.479	20180402163415.424
PX4 (145)	4354	4356	20180402163427.748	20180402163428.182
PX4 (145)	4367	4369	20180402163432.072	20180402163432.506
PX4 (145)	4381	4383	20180402163435.100	20180402163435.533
PX4 (145)	4387	4389	20180402163436.397	20180402163436.830
PX4 (145)	4411	4413	20180402163443.100	20180402163443.533
PX4 (145)	4436	4438	20180402163450.018	20180402163450.451
PX4 (145)	4443	4445	20180402163451.533	20180402163451.963
PX4 (145)	4450	4452	20180402163453.045	20180402163453.479
PX4 (145)	4506	4508	20180402163508.182	20180402163508.611
PX4 (145)	4523	4525	20180402163513.369	20180402163513.803
PX4 (145)	4538	4540	20180402163516.611	20180402163517.045
PX4 (145)	4546	4548	20180402163519.857	20180402163520.287
PX4 (145)	4548	4550	20180402163520.287	20180402163520.721
PX4 (145)	4552	4554	20180402163521.154	20180402163521.584
PX4 (145)	4599	4601	20180402163532.830	20180402163533.260
PX4 (145)	4602	4604	20180402163533.478	20180402163535.424
PX4 (145)	4609	4611	20180402163536.502	20180402163536.936
PX4 (145)	4616	4618	20180402163538.018	20180402163538.451
PX4 (145)	4622	4624	20180402163539.314	20180402163539.748
PX4 (145)	4626	4628	20180402163540.182	20180402163540.611
PX4 (145)	4663	4665	20180402163549.693	20180402163551.639
PX4 (145)	4673	4675	20180402163553.369	20180402163553.799
PX4 (145)	4679	4681	20180402163554.666	20180402163555.100
PX4 (145)	4691	4693	20180402163557.260	20180402163557.693
PX4 (145)	4732	4736	20180402163609.150	20180402163610.017
PX4 (145)	4791	4794	20180402163624.935	20180402163625.584
PX4 (145)	4802	4804	20180402163627.314	20180402163627.744
PX4 (145)	4805	4807	20180402163627.963	20180402163628.392
PX4 (145)	4813	4815	20180402163629.693	20180402163631.639
PX4 (145)	4827	4829	20180402163634.232	20180402163634.666
PX4 (145)	4834	4836	20180402163635.744	20180402163636.178
PX4 (145)	4839	4841	20180402163636.826	20180402163637.260
PX4 (145)	4848	4851	20180402163640.287	20180402163640.935
PX4 (145)	4853	4855	20180402163641.365	20180402163641.799
PX4 (145)	4858	4860	20180402163642.447	20180402163642.881
PX4 (145)	4875	4877	20180402163647.638	20180402163648.068
PX4 (145)	4879	4881	20180402163648.502	20180402163648.935
PX4 (145)	4905	4907	20180402163655.635	20180402163656.068
PX4 (145)	4914	4916	20180402163657.584	20180402163658.013
PX4 (145)	5023	5025	20180402163725.689	20180402163727.634
PX4 (145)	5087	5089	20180402163744.068	20180402163744.498
PX4 (145)	5091	5093	20180402163744.931	20180402163745.365
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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	5111	5113	20180402163749.256	20180402163749.689
PX4 (145)	5141	5143	20180402163757.256	20180402163757.689
PX4 (145)	5159	5161	20180402163802.662	20180402163803.095
PX4 (145)	5174	5176	20180402163807.420	20180402163807.849
PX4 (145)	5176	5178	20180402163807.849	20180402163808.283
PX4 (145)	5178	5180	20180402163808.283	20180402163808.716
PX4 (145)	5186	5188	20180402163810.013	20180402163810.447
PX4 (145)	5189	5191	20180402163810.662	20180402163811.095
PX4 (145)	5196	5198	20180402163812.173	20180402163812.607
PX4 (145)	5200	5202	20180402163813.041	20180402163813.470
PX4 (145)	5217	5219	20180402163818.228	20180402163818.662
PX4 (145)	5225	5227	20180402163819.959	20180402163820.392
PX4 (145)	5227	5229	20180402163820.392	20180402163820.822
PX4 (145)	5336	5338	20180402163850.013	20180402163850.443
PX4 (145)	5364	5366	20180402163857.580	20180402163858.009
PX4 (145)	5378	5380	20180402163900.607	20180402163901.037
PX4 (145)	5384	5387	20180402163903.416	20180402163904.064
PX4 (145)	5390	5392	20180402163904.712	20180402163905.146
PX4 (145)	5396	5398	20180402163906.013	20180402163906.443
PX4 (145)	5402	5405	20180402163907.310	20180402163907.958
PX4 (145)	5415	5417	20180402163911.634	20180402163912.064
PX4 (145)	5421	5423	20180402163912.931	20180402163913.361
PX4 (145)	5426	5429	20180402163914.009	20180402163914.662
PX4 (145)	5430	5432	20180402163914.876	20180402163915.310
PX4 (145)	5437	5439	20180402163916.388	20180402163916.822
PX4 (145)	5440	5442	20180402163917.037	20180402163917.470
PX4 (145)	5443	5445	20180402163917.685	20180402163919.634
PX4 (145)	5482	5484	20180402163929.146	20180402163929.580
PX4 (145)	5488	5490	20180402163930.443	20180402163930.876
PX4 (145)	5553	5555	20180402163947.525	20180402163947.954
PX4 (145)	5565	5567	20180402163951.630	20180402163952.064
PX4 (145)	5585	5587	20180402163955.954	20180402163956.388
PX4 (145)	5625	5627	20180402164007.630	20180402164008.064
PX4 (145)	5667	5669	20180402164018.224	20180402164018.658
PX4 (145)	5671	5673	20180402164019.091	20180402164019.525
PX4 (145)	5714	5716	20180402164031.415	20180402164031.845
PX4 (145)	5718	5720	20180402164032.279	20180402164032.712
PX4 (145)	5724	5726	20180402164033.575	20180402164034.009
PX4 (145)	5754	5756	20180402164041.575	20180402164042.009
PX4 (145)	5760	5762	20180402164042.872	20180402164043.306
PX4 (145)	5764	5766	20180402164043.739	20180402164044.169
PX4 (145)	5775	5777	20180402164047.630	20180402164048.064
PX4 (145)	5795	5799	20180402164051.954	20180402164052.818
PX4 (145)	5803	5806	20180402164053.685	20180402164055.845
PX4 (145)	5811	5813	20180402164056.927	20180402164057.361
PX4 (145)	5814	5817	20180402164057.575	20180402164058.224
PX4 (145)	5818	5820	20180402164058.443	20180402164058.872
PX4 (145)	5821	5823	20180402164059.087	20180402164059.521
PX4 (145)	5823	5825	20180402164059.521	20180402164059.954
PX4 (145)	5842	5844	20180402164105.142	20180402164105.575
PX4 (145)	5850	5852	20180402164106.872	20180402164107.306
PX4 (145)	5860	5864	20180402164109.032	20180402164111.415
PX4 (145)	5867	5869	20180402164112.060	20180402164112.493

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	5870	5872	20180402164112.712	20180402164113.142
PX4 (145)	5872	5874	20180402164113.142	20180402164113.575
PX4 (145)	5878	5880	20180402164114.439	20180402164114.872
PX4 (145)	5880	5882	20180402164114.872	20180402164115.306
PX4 (145)	5882	5884	20180402164115.306	20180402164115.739
PX4 (145)	5884	5886	20180402164115.739	20180402164116.169
PX4 (145)	5886	5888	20180402164116.169	20180402164116.603
PX4 (145)	5888	5890	20180402164116.603	20180402164117.036
PX4 (145)	5890	5892	20180402164117.036	20180402164117.466
PX4 (145)	5899	5901	20180402164120.493	20180402164120.927
PX4 (145)	5918	5920	20180402164124.603	20180402164125.032
PX4 (145)	5965	5967	20180402164137.790	20180402164138.224
PX4 (145)	5969	5971	20180402164138.657	20180402164139.087
PX4 (145)	5977	5979	20180402164140.384	20180402164140.817
PX4 (145)	5985	5987	20180402164143.626	20180402164144.060
PX4 (145)	5999	6001	20180402164146.653	20180402164147.087
PX4 (145)	6001	6003	20180402164147.087	20180402164147.521
PX4 (145)	6038	6040	20180402164156.599	20180402164157.032
PX4 (145)	6049	6051	20180402164200.493	20180402164200.927
PX4 (145)	6080	6082	20180402164208.708	20180402164209.142
PX4 (145)	6119	6121	20180402164218.653	20180402164219.087
PX4 (145)	6133	6135	20180402164221.681	20180402164223.626
PX4 (145)	6150	6152	20180402164226.868	20180402164227.302
PX4 (145)	6157	6159	20180402164228.384	20180402164228.817
PX4 (145)	6165	6167	20180402164231.626	20180402164232.060
PX4 (145)	6174	6176	20180402164233.571	20180402164234.005
PX4 (145)	6226	6228	20180402164247.845	20180402164248.274
PX4 (145)	6234	6236	20180402164249.571	20180402164250.005
PX4 (145)	6236	6238	20180402164250.005	20180402164250.438
PX4 (145)	6245	6247	20180402164251.950	20180402164252.384
PX4 (145)	6262	6264	20180402164257.138	20180402164257.571
PX4 (145)	6281	6283	20180402164301.247	20180402164301.681
PX4 (145)	6283	6285	20180402164301.681	20180402164303.626
PX4 (145)	6289	6291	20180402164304.489	20180402164304.923
PX4 (145)	6297	6299	20180402164306.220	20180402164306.653
PX4 (145)	6299	6301	20180402164306.653	20180402164307.087
PX4 (145)	6309	6311	20180402164308.813	20180402164309.247
PX4 (145)	6322	6324	20180402164313.138	20180402164313.571
PX4 (145)	6356	6358	20180402164322.005	20180402164322.438
PX4 (145)	6425	6427	20180402164339.985	20180402164340.419
PX4 (145)	6451	6453	20180402164347.122	20180402164347.555
PX4 (145)	6468	6470	20180402164352.309	20180402164352.743
PX4 (145)	6477	6480	20180402164354.259	20180402164354.903
PX4 (145)	6480	6482	20180402164354.903	20180402164355.337
PX4 (145)	6483	6485	20180402164355.552	20180402164355.985
PX4 (145)	6486	6488	20180402164356.204	20180402164356.634
PX4 (145)	6492	6494	20180402164357.501	20180402164359.446
PX4 (145)	6527	6529	20180402164408.094	20180402164408.524
PX4 (145)	6539	6541	20180402164410.688	20180402164411.118
PX4 (145)	6561	6563	20180402164416.958	20180402164417.391
PX4 (145)	6568	6570	20180402164418.473	20180402164418.903
PX4 (145)	6575	6577	20180402164419.985	20180402164420.419
PX4 (145)	6597	6599	20180402164426.255	20180402164426.688
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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	6606	6608	20180402164428.200	20180402164428.633
PX4 (145)	6609	6611	20180402164428.848	20180402164429.282
PX4 (145)	6637	6639	20180402164436.419	20180402164436.848
PX4 (145)	6641	6643	20180402164437.282	20180402164437.716
PX4 (145)	6646	6648	20180402164439.876	20180402164440.309
PX4 (145)	6651	6653	20180402164440.958	20180402164441.391
PX4 (145)	6654	6656	20180402164441.606	20180402164442.040
PX4 (145)	6657	6659	20180402164442.255	20180402164442.688
PX4 (145)	6663	6665	20180402164443.551	20180402164443.985
PX4 (145)	6670	6672	20180402164445.067	20180402164445.497
PX4 (145)	6685	6687	20180402164449.821	20180402164450.255
PX4 (145)	6739	6741	20180402164504.524	20180402164504.958
PX4 (145)	6793	6795	20180402164517.712	20180402164519.661
PX4 (145)	6807	6809	20180402164522.254	20180402164522.688
PX4 (145)	6816	6818	20180402164524.200	20180402164524.633
PX4 (145)	6837	6839	20180402164530.254	20180402164530.684
PX4 (145)	6946	6948	20180402164559.875	20180402164600.305
PX4 (145)	7072	7074	20180402164633.172	20180402164633.602
PX4 (145)	7104	7106	20180402164641.602	20180402164642.036
PX4 (145)	7123	7125	20180402164645.711	20180402164647.657
PX4 (145)	7126	7128	20180402164647.871	20180402164648.305
PX4 (145)	7136	7138	20180402164650.036	20180402164650.469
PX4 (145)	7138	7140	20180402164650.469	20180402164650.899
PX4 (145)	7196	7198	20180402164706.035	20180402164706.465
PX4 (145)	7291	7293	20180402164731.114	20180402164731.547
PX4 (145)	7297	7299	20180402164732.410	20180402164732.844
PX4 (145)	7300	7302	20180402164733.059	20180402164733.492
PX4 (145)	7304	7306	20180402164735.438	20180402164735.871
PX4 (145)	7347	7349	20180402164746.250	20180402164746.684
PX4 (145)	7365	7367	20180402164751.653	20180402164752.086
PX4 (145)	7374	7377	20180402164753.602	20180402164754.250
PX4 (145)	7379	7381	20180402164754.680	20180402164755.113
PX4 (145)	7382	7385	20180402164755.332	20180402164755.977
PX4 (145)	7385	7387	20180402164755.977	20180402164756.410
PX4 (145)	7395	7397	20180402164759.656	20180402164800.086
PX4 (145)	7401	7403	20180402164800.953	20180402164801.383
PX4 (145)	7416	7418	20180402164804.195	20180402164804.625
PX4 (145)	7419	7421	20180402164804.844	20180402164805.278
PX4 (145)	7425	7427	20180402164807.653	20180402164808.086
PX4 (145)	7427	7429	20180402164808.086	20180402164808.520
PX4 (145)	7429	7431	20180402164808.520	20180402164808.949
PX4 (145)	7431	7433	20180402164808.949	20180402164809.383
PX4 (145)	7446	7448	20180402164812.195	20180402164812.629
PX4 (145)	7451	7486	20180402164813.274	20180402164823.871
PX4 (145)	7487	7489	20180402164824.086	20180402164824.520
PX4 (145)	7489	7491	20180402164824.520	20180402164824.949
PX4 (145)	7500	7502	20180402164826.899	20180402164827.328
PX4 (145)	7515	7517	20180402164831.652	20180402164832.086
PX4 (145)	7518	7520	20180402164832.301	20180402164832.734
PX4 (145)	7540	7542	20180402164837.059	20180402164837.492
PX4 (145)	7547	7549	20180402164840.086	20180402164840.520
PX4 (145)	7552	7554	20180402164841.168	20180402164841.598
PX4 (145)	7560	7562	20180402164842.899	20180402164843.328
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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	7576	7578	20180402164847.867	20180402164848.301
PX4 (145)	7592	7595	20180402164851.328	20180402164851.977
PX4 (145)	7611	7614	20180402164856.949	20180402164857.598
PX4 (145)	7623	7625	20180402164859.543	20180402164859.977
PX4 (145)	7627	7629	20180402164900.410	20180402164900.840
PX4 (145)	7636	7638	20180402164903.867	20180402164904.301
PX4 (145)	7639	7641	20180402164904.520	20180402164904.949
PX4 (145)	7663	7667	20180402164909.707	20180402164912.086
PX4 (145)	7677	7679	20180402164914.246	20180402164914.680
PX4 (145)	7681	7683	20180402164915.113	20180402164915.543
PX4 (145)	7685	7687	20180402164915.977	20180402164916.410
PX4 (145)	7690	7692	20180402164917.059	20180402164917.492
PX4 (145)	7698	7701	20180402164920.301	20180402164920.949
PX4 (145)	7718	7721	20180402164924.625	20180402164925.273
PX4 (145)	7752	7754	20180402164933.488	20180402164935.434
IMG (150)	1398	1402	20180402163218.022	20180402163218.889
IMG (150)	1402	1416	20180402163218.889	20180402163222.131
IMG (150)	1419	1421	20180402163222.995	20180402163223.643
IMG (150)	1421	1423	20180402163223.643	20180402163224.077
IMG (150)	1423	1425	20180402163224.077	20180402163224.510
IMG (150)	1440	1442	20180402163227.752	20180402163228.186
IMG (150)	1443	1462	20180402163228.401	20180402163233.159
IMG (150)	1462	1474	20180402163233.159	20180402163235.752
IMG (150)	1474	1563	20180402163235.752	20180402163256.940
IMG (150)	1563	1618	20180402163256.940	20180402163309.483
IMG (150)	1618	1636	20180402163309.483	20180402163314.022
IMG (150)	1636	1662	20180402163314.022	20180402163320.291
IMG (150)	1662	1666	20180402163320.291	20180402163321.155
IMG (150)	1666	1676	20180402163321.155	20180402163323.319
IMG (150)	1677	1681	20180402163323.533	20180402163324.401
IMG (150)	1681	1684	20180402163324.401	20180402163325.049
IMG (150)	1684	1687	20180402163325.049	20180402163325.698
IMG (150)	1689	1691	20180402163326.346	20180402163326.994
IMG (150)	1701	1709	20180402163329.373	20180402163331.104
IMG (150)	1709	1719	20180402163331.104	20180402163333.264
IMG (150)	1719	1722	20180402163333.264	20180402163334.127
IMG (150)	1722	1724	20180402163334.127	20180402163334.780
IMG (150)	1724	1727	20180402163334.780	20180402163335.643
IMG (150)	1727	1729	20180402163335.643	20180402163336.076
IMG (150)	1742	1744	20180402163338.885	20180402163339.319
IMG (150)	1748	1751	20180402163340.182	20180402163340.830
IMG (150)	1796	1798	20180402163351.858	20180402163352.291
IMG (150)	1806	1808	20180402163354.018	20180402163354.451
IMG (150)	1811	1813	20180402163355.100	20180402163355.533
IMG (150)	1828	1830	20180402163359.424	20180402163359.858
IMG (150)	1850	1852	20180402163404.182	20180402163404.615
IMG (150)	1854	1856	20180402163405.049	20180402163405.479
IMG (150)	1860	1862	20180402163406.776	20180402163407.424
IMG (150)	1887	1890	20180402163412.830	20180402163413.479
IMG (150)	1948	1950	20180402163427.315	20180402163427.748
IMG (150)	1992	1994	20180402163437.479	20180402163438.127
IMG (150)	2112	2114	20180402163506.018	20180402163506.451
IMG (150)	2122	2124	20180402163508.182	20180402163508.611

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	2144	2146	20180402163513.584	20180402163514.018
IMG (150)	2159	2161	20180402163516.830	20180402163517.260
IMG (150)	2168	2170	20180402163519.424	20180402163519.857
IMG (150)	2170	2172	20180402163519.857	20180402163520.287
IMG (150)	2181	2183	20180402163522.232	20180402163522.666
IMG (150)	2209	2211	20180402163528.936	20180402163529.369
IMG (150)	2222	2224	20180402163531.748	20180402163532.178
IMG (150)	2246	2248	20180402163537.584	20180402163538.018
IMG (150)	2302	2304	20180402163550.771	20180402163551.424
IMG (150)	2309	2312	20180402163552.502	20180402163553.154
IMG (150)	2319	2321	20180402163554.666	20180402163555.100
IMG (150)	2331	2333	20180402163557.260	20180402163557.693
IMG (150)	2367	2369	20180402163605.693	20180402163606.342
IMG (150)	2412	2414	20180402163616.721	20180402163617.150
IMG (150)	2446	2448	20180402163624.721	20180402163625.150
IMG (150)	2453	2455	20180402163626.232	20180402163626.666
IMG (150)	2455	2457	20180402163626.666	20180402163627.096
IMG (150)	2479	2481	20180402163632.502	20180402163632.935
IMG (150)	2487	2489	20180402163634.232	20180402163634.666
IMG (150)	2494	2496	20180402163635.744	20180402163636.178
IMG (150)	2499	2501	20180402163636.826	20180402163637.260
IMG (150)	2507	2509	20180402163638.990	20180402163639.635
IMG (150)	2511	2513	20180402163640.068	20180402163640.502
IMG (150)	2519	2521	20180402163641.799	20180402163642.232
IMG (150)	2530	2532	20180402163644.178	20180402163644.611
IMG (150)	2581	2583	20180402163656.502	20180402163656.935
IMG (150)	2588	2590	20180402163658.013	20180402163658.447
IMG (150)	2632	2634	20180402163708.177	20180402163708.607
IMG (150)	2655	2657	20180402163713.799	20180402163714.232
IMG (150)	2691	2693	20180402163722.232	20180402163722.662
IMG (150)	2709	2712	20180402163726.338	20180402163727.420
IMG (150)	2783	2785	20180402163744.068	20180402163744.498
IMG (150)	2827	2829	20180402163754.228	20180402163754.662
IMG (150)	2832	2834	20180402163755.310	20180402163755.744
IMG (150)	2849	2851	20180402163759.634	20180402163800.068
IMG (150)	2886	2890	20180402163808.283	20180402163809.146
IMG (150)	2904	2906	20180402163812.173	20180402163812.607
IMG (150)	2908	2910	20180402163813.041	20180402163813.470
IMG (150)	2915	2917	20180402163814.986	20180402163815.634
IMG (150)	2921	2924	20180402163816.498	20180402163817.150
IMG (150)	2928	2932	20180402163818.013	20180402163818.877
IMG (150)	2939	2941	20180402163820.392	20180402163820.822
IMG (150)	2983	2985	20180402163830.986	20180402163831.634
IMG (150)	2990	2992	20180402163832.716	20180402163833.146
IMG (150)	2994	2996	20180402163833.580	20180402163834.013
IMG (150)	2999	3001	20180402163834.662	20180402163835.091
IMG (150)	3006	3008	20180402163836.173	20180402163836.607
IMG (150)	3038	3040	20180402163843.740	20180402163844.173
IMG (150)	3052	3054	20180402163847.416	20180402163847.849
IMG (150)	3079	3081	20180402163853.255	20180402163853.689
IMG (150)	3105	3107	20180402163859.525	20180402163859.958
IMG (150)	3126	3128	20180402163904.712	20180402163905.146
IMG (150)	3132	3134	20180402163906.013	20180402163906.443
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APID	Seq from	Seq to	Time from	Time to
IMG (150)	3166	3169	20180402163914.009	20180402163914.662
IMG (150)	3171	3173	20180402163915.091	20180402163915.525
IMG (150)	3177	3179	20180402163916.388	20180402163916.822
IMG (150)	3184	3187	20180402163918.119	20180402163918.986
IMG (150)	3223	3226	20180402163927.634	20180402163928.279
IMG (150)	3244	3246	20180402163932.173	20180402163932.603
IMG (150)	3246	3248	20180402163932.603	20180402163933.037
IMG (150)	3248	3250	20180402163933.037	20180402163933.470
IMG (150)	3262	3264	20180402163936.712	20180402163937.146
IMG (150)	3293	3295	20180402163944.064	20180402163944.497
IMG (150)	3303	3305	20180402163946.228	20180402163946.658
IMG (150)	3319	3321	20180402163949.685	20180402163950.333
IMG (150)	3325	3327	20180402163951.630	20180402163952.064
IMG (150)	3381	3383	20180402164004.388	20180402164004.822
IMG (150)	3494	3496	20180402164031.415	20180402164031.845
IMG (150)	3545	3547	20180402164043.087	20180402164043.521
IMG (150)	3554	3556	20180402164045.036	20180402164045.470
IMG (150)	3583	3585	20180402164051.954	20180402164052.388
IMG (150)	3598	3600	20180402164055.845	20180402164056.279
IMG (150)	3603	3605	20180402164056.927	20180402164057.361
IMG (150)	3606	3609	20180402164057.575	20180402164058.224
IMG (150)	3610	3612	20180402164058.443	20180402164058.872
IMG (150)	3615	3617	20180402164059.521	20180402164059.954
IMG (150)	3626	3628	20180402164102.114	20180402164102.767
IMG (150)	3640	3642	20180402164105.575	20180402164106.009
IMG (150)	3650	3652	20180402164107.736	20180402164108.169
IMG (150)	3654	3657	20180402164108.603	20180402164109.251
IMG (150)	3658	3660	20180402164109.466	20180402164110.114
IMG (150)	3662	3664	20180402164110.763	20180402164111.415
IMG (150)	3666	3668	20180402164111.845	20180402164112.278
IMG (150)	3670	3672	20180402164112.712	20180402164113.142
IMG (150)	3672	3674	20180402164113.142	20180402164113.575
IMG (150)	3675	3677	20180402164113.790	20180402164114.224
IMG (150)	3687	3689	20180402164116.384	20180402164116.818
IMG (150)	3693	3696	20180402164117.681	20180402164118.763
IMG (150)	3699	3701	20180402164119.630	20180402164120.064
IMG (150)	3706	3708	20180402164121.142	20180402164121.575
IMG (150)	3708	3710	20180402164121.575	20180402164122.009
IMG (150)	3717	3719	20180402164123.521	20180402164123.954
IMG (150)	3756	3758	20180402164132.603	20180402164133.036
IMG (150)	3772	3774	20180402164136.708	20180402164137.142
IMG (150)	3777	3779	20180402164137.790	20180402164138.224
IMG (150)	3789	3791	20180402164140.384	20180402164140.817
IMG (150)	3797	3799	20180402164142.329	20180402164142.982
IMG (150)	3806	3808	20180402164144.708	20180402164145.142
IMG (150)	3813	3815	20180402164146.224	20180402164146.653
IMG (150)	3817	3819	20180402164147.087	20180402164147.521
IMG (150)	3863	3865	20180402164157.681	20180402164158.329
IMG (150)	3865	3867	20180402164158.329	20180402164158.978
IMG (150)	3874	3876	20180402164200.708	20180402164201.142
IMG (150)	3897	3902	20180402164205.681	20180402164207.411
IMG (150)	3965	3967	20180402164221.681	20180402164222.329
IMG (150)	3969	3971	20180402164222.978	20180402164223.626
Continued on next page				

Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	3977	3979	20180402164224.923	20180402164225.356
IMG (150)	3986	3988	20180402164226.868	20180402164227.302
IMG (150)	3998	4000	20180402164229.466	20180402164230.114
IMG (150)	4019	4021	20180402164234.653	20180402164235.087
IMG (150)	4070	4072	20180402164246.763	20180402164247.411
IMG (150)	4084	4086	20180402164250.005	20180402164250.438
IMG (150)	4096	4098	20180402164252.599	20180402164253.032
IMG (150)	4104	4106	20180402164254.763	20180402164255.411
IMG (150)	4111	4113	20180402164256.493	20180402164256.923
IMG (150)	4125	4127	20180402164259.517	20180402164259.950
IMG (150)	4138	4140	20180402164302.763	20180402164303.411
IMG (150)	4146	4148	20180402164304.708	20180402164305.142
IMG (150)	4155	4157	20180402164306.653	20180402164307.087
IMG (150)	4168	4170	20180402164309.466	20180402164310.110
IMG (150)	4187	4189	20180402164314.220	20180402164314.653
IMG (150)	4198	4200	20180402164316.599	20180402164317.032
IMG (150)	4211	4213	20180402164320.056	20180402164320.489
IMG (150)	4225	4227	20180402164323.083	20180402164323.516
IMG (150)	4313	4315	20180402164344.095	20180402164344.528
IMG (150)	4332	4334	20180402164348.200	20180402164348.634
IMG (150)	4336	4338	20180402164349.067	20180402164349.501
IMG (150)	4339	4341	20180402164349.716	20180402164350.364
IMG (150)	4342	4344	20180402164350.798	20180402164351.446
IMG (150)	4384	4386	20180402164400.743	20180402164401.177
IMG (150)	4432	4434	20180402164411.770	20180402164412.200
IMG (150)	4501	4503	20180402164427.985	20180402164428.415
IMG (150)	4507	4509	20180402164429.282	20180402164429.716
IMG (150)	4527	4532	20180402164434.255	20180402164435.337
IMG (150)	4532	4534	20180402164435.337	20180402164435.766
IMG (150)	4536	4538	20180402164436.200	20180402164436.633
IMG (150)	4555	4557	20180402164440.958	20180402164441.391
IMG (150)	4559	4561	20180402164441.821	20180402164442.255
IMG (150)	4575	4577	20180402164445.282	20180402164445.712
IMG (150)	4598	4600	20180402164450.903	20180402164451.337
IMG (150)	4639	4641	20180402164500.415	20180402164500.848
IMG (150)	4655	4657	20180402164504.524	20180402164504.958
IMG (150)	4733	4735	20180402164522.688	20180402164523.118
IMG (150)	4747	4750	20180402164525.711	20180402164526.794
IMG (150)	4768	4770	20180402164530.903	20180402164531.336
IMG (150)	4772	4774	20180402164531.766	20180402164532.200
IMG (150)	4826	4828	20180402164544.739	20180402164545.172
IMG (150)	4887	4889	20180402164559.008	20180402164559.657
IMG (150)	5015	5019	20180402164628.848	20180402164629.711
IMG (150)	5054	5057	20180402164638.141	20180402164639.008
IMG (150)	5062	5064	20180402164640.305	20180402164640.739
IMG (150)	5093	5095	20180402164647.657	20180402164648.090
IMG (150)	5103	5105	20180402164649.817	20180402164650.254
IMG (150)	5106	5108	20180402164650.469	20180402164650.899
IMG (150)	5136	5138	20180402164657.602	20180402164658.035
IMG (150)	5149	5151	20180402164700.414	20180402164700.844
IMG (150)	5163	5165	20180402164704.086	20180402164704.520
IMG (150)	5353	5355	20180402164748.410	20180402164748.844
IMG (150)	5375	5377	20180402164753.817	20180402164754.250
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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	5380	5382	20180402164754.899	20180402164755.332
IMG (150)	5385	5387	20180402164755.977	20180402164756.410
IMG (150)	5406	5408	20180402164801.168	20180402164801.602
IMG (150)	5409	5412	20180402164801.817	20180402164802.465
IMG (150)	5431	5433	20180402164807.004	20180402164807.653
IMG (150)	5433	5435	20180402164807.653	20180402164808.086
IMG (150)	5455	5457	20180402164812.410	20180402164812.844
IMG (150)	5460	5491	20180402164813.492	20180402164820.844
IMG (150)	5492	5496	20180402164821.059	20180402164822.141
IMG (150)	5498	5504	20180402164822.789	20180402164824.301
IMG (150)	5508	5510	20180402164825.168	20180402164825.602
IMG (150)	5518	5521	20180402164827.328	20180402164827.977
IMG (150)	5556	5558	20180402164836.195	20180402164836.625
IMG (150)	5558	5560	20180402164836.625	20180402164837.059
IMG (150)	5571	5573	20180402164840.086	20180402164840.520
IMG (150)	5576	5578	20180402164841.168	20180402164841.598
IMG (150)	5621	5623	20180402164851.547	20180402164851.977
IMG (150)	5634	5636	20180402164854.789	20180402164855.438
IMG (150)	5643	5645	20180402164856.949	20180402164857.383
IMG (150)	5650	5652	20180402164858.465	20180402164858.895
IMG (150)	5659	5661	20180402164900.410	20180402164900.840
IMG (150)	5663	5665	20180402164901.273	20180402164901.707
IMG (150)	5669	5671	20180402164903.004	20180402164903.652
IMG (150)	5686	5688	20180402164906.895	20180402164907.328
IMG (150)	5698	5707	20180402164909.488	20180402164912.086
IMG (150)	5708	5710	20180402164912.301	20180402164912.734
IMG (150)	5714	5716	20180402164913.598	20180402164914.031
IMG (150)	5721	5723	20180402164915.113	20180402164915.543
IMG (150)	5725	5727	20180402164915.977	20180402164916.410
IMG (150)	5744	5746	20180402164920.734	20180402164921.164
IMG (150)	5748	5750	20180402164921.598	20180402164922.031
IMG (150)	5760	5762	20180402164924.191	20180402164924.625
VER (160)	5114	5119	20180402163213.698	20180402163218.889
VER (160)	5119	5159	20180402163218.889	20180402163325.698
VER (160)	5159	5164	20180402163325.698	20180402163333.479
VER (160)	5164	5169	20180402163333.479	20180402163341.698
VER (160)	5169	5171	20180402163341.698	20180402163349.697
VER (160)	5172	5174	20180402163349.697	20180402163349.697
VER (160)	5176	5178	20180402163357.697	20180402163357.697
VER (160)	5181	5183	20180402163405.694	20180402163405.694
VER (160)	5192	5194	20180402163421.694	20180402163421.694
VER (160)	5194	5199	20180402163421.694	20180402163429.693
VER (160)	5205	5208	20180402163445.693	20180402163445.693
VER (160)	5210	5212	20180402163453.693	20180402163453.693
VER (160)	5223	5228	20180402163509.693	20180402163517.693
VER (160)	5234	5238	20180402163525.693	20180402163533.693
VER (160)	5251	5253	20180402163557.693	20180402163557.693
VER (160)	5256	5258	20180402163605.693	20180402163605.693
VER (160)	5264	5266	20180402163613.689	20180402163621.693
VER (160)	5267	5269	20180402163621.693	20180402163621.693
VER (160)	5270	5272	20180402163629.693	20180402163629.693
VER (160)	5274	5277	20180402163629.693	20180402163637.693
VER (160)	5277	5279	20180402163637.693	20180402163637.693

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	5279	5283	20180402163637.689	20180402163645.689
VER (160)	5289	5291	20180402163653.689	20180402163701.689
VER (160)	5307	5310	20180402163725.689	20180402163733.689
VER (160)	5312	5314	20180402163733.689	20180402163733.689
VER (160)	5322	5324	20180402163749.689	20180402163749.689
VER (160)	5330	5333	20180402163805.689	20180402163805.689
VER (160)	5337	5339	20180402163813.689	20180402163813.689
VER (160)	5364	5367	20180402163853.689	20180402163901.689
VER (160)	5369	5371	20180402163901.689	20180402163909.685
VER (160)	5371	5374	20180402163909.685	20180402163909.685
VER (160)	5374	5376	20180402163909.685	20180402163917.685
VER (160)	5376	5378	20180402163917.685	20180402163917.685
VER (160)	5384	5386	20180402163925.685	20180402163933.685
VER (160)	5386	5388	20180402163933.685	20180402163933.685
VER (160)	5390	5392	20180402163941.685	20180402163941.685
VER (160)	5394	5396	20180402163941.685	20180402163949.685
VER (160)	5396	5398	20180402163949.685	20180402163949.685
VER (160)	5406	5408	20180402164005.685	20180402164005.685
VER (160)	5410	5412	20180402164013.685	20180402164013.685
VER (160)	5412	5414	20180402164013.685	20180402164013.685
VER (160)	5419	5421	20180402164021.685	20180402164029.685
VER (160)	5422	5424	20180402164029.685	20180402164029.685
VER (160)	5430	5433	20180402164045.685	20180402164045.685
VER (160)	5440	5443	20180402164101.685	20180402164101.685
VER (160)	5444	5449	20180402164101.685	20180402164109.685
VER (160)	5449	5451	20180402164109.685	20180402164117.681
VER (160)	5451	5453	20180402164117.681	20180402164117.681
VER (160)	5455	5457	20180402164125.685	20180402164125.685
VER (160)	5464	5466	20180402164133.681	20180402164141.681
VER (160)	5466	5468	20180402164141.681	20180402164141.681
VER (160)	5474	5476	20180402164149.681	20180402164157.681
VER (160)	5477	5479	20180402164157.681	20180402164157.681
VER (160)	5482	5484	20180402164205.681	20180402164205.681
VER (160)	5489	5492	20180402164213.681	20180402164221.681
VER (160)	5496	5499	20180402164229.681	20180402164229.681
VER (160)	5500	5503	20180402164237.681	20180402164237.681
VER (160)	5504	5508	20180402164237.681	20180402164245.681
VER (160)	5509	5511	20180402164245.681	20180402164253.681
VER (160)	5512	5514	20180402164253.681	20180402164253.681
VER (160)	5515	5518	20180402164301.681	20180402164301.681
VER (160)	5520	5522	20180402164309.681	20180402164309.681
VER (160)	5526	5528	20180402164317.681	20180402164317.681
VER (160)	5530	5532	20180402164325.681	20180402164325.681
VER (160)	5541	5543	20180402164341.716	20180402164341.716
VER (160)	5545	5547	20180402164349.716	20180402164349.716
VER (160)	5550	5554	20180402164357.716	20180402164357.716
VER (160)	5556	5559	20180402164405.716	20180402164405.716
VER (160)	5567	5569	20180402164421.716	20180402164421.716
VER (160)	5587	5589	20180402164453.715	20180402164453.715
VER (160)	5590	5592	20180402164501.712	20180402164501.712
VER (160)	5592	5594	20180402164501.712	20180402164501.712
VER (160)	5606	5608	20180402164525.711	20180402164525.711
VER (160)	5609	5611	20180402164525.711	20180402164533.711

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	5616	5618	20180402164541.711	20180402164541.711
VER (160)	5629	5632	20180402164557.711	20180402164605.711
VER (160)	5635	5637	20180402164613.711	20180402164613.711
VER (160)	5644	5647	20180402164621.711	20180402164629.711
VER (160)	5652	5654	20180402164637.711	20180402164637.711
VER (160)	5664	5667	20180402164653.711	20180402164701.711
VER (160)	5670	5672	20180402164709.707	20180402164709.707
VER (160)	5684	5687	20180402164725.707	20180402164733.711
VER (160)	5687	5689	20180402164733.711	20180402164733.711
VER (160)	5699	5701	20180402164749.707	20180402164757.707
VER (160)	5701	5703	20180402164757.707	20180402164757.707
VER (160)	5705	5707	20180402164805.707	20180402164805.707
VER (160)	5709	5720	20180402164805.707	20180402164829.707
VER (160)	5722	5724	20180402164829.707	20180402164829.707
VER (160)	5726	5729	20180402164837.707	20180402164837.707
VER (160)	5732	5734	20180402164845.707	20180402164845.707
VER (160)	5737	5740	20180402164853.707	20180402164901.707
VER (160)	5740	5742	20180402164901.707	20180402164901.707
VER (160)	5742	5744	20180402164901.707	20180402164901.707
VER (160)	5747	5750	20180402164909.707	20180402164917.707
VER (160)	5751	5753	20180402164917.707	20180402164917.707
VER (160)	5762	5764	20180402164933.707	20180402164933.707
AUX (180)	7581	7583	20180402163310.131	20180402163326.131
AUX (180)	7595	7597	20180402163502.127	20180402163518.127

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
02/04/2018 00:00:05	-	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)	99.33 %	-
GQisFlagQual set (PX2)	99.34 %	-
GQisFlagQual set (PX3)	99.35 %	-
GQisFlagQual set (PX4)	99.34 %	-
GQisFlagQual set (all)	99.34 %	-

Table 4: Quality flags

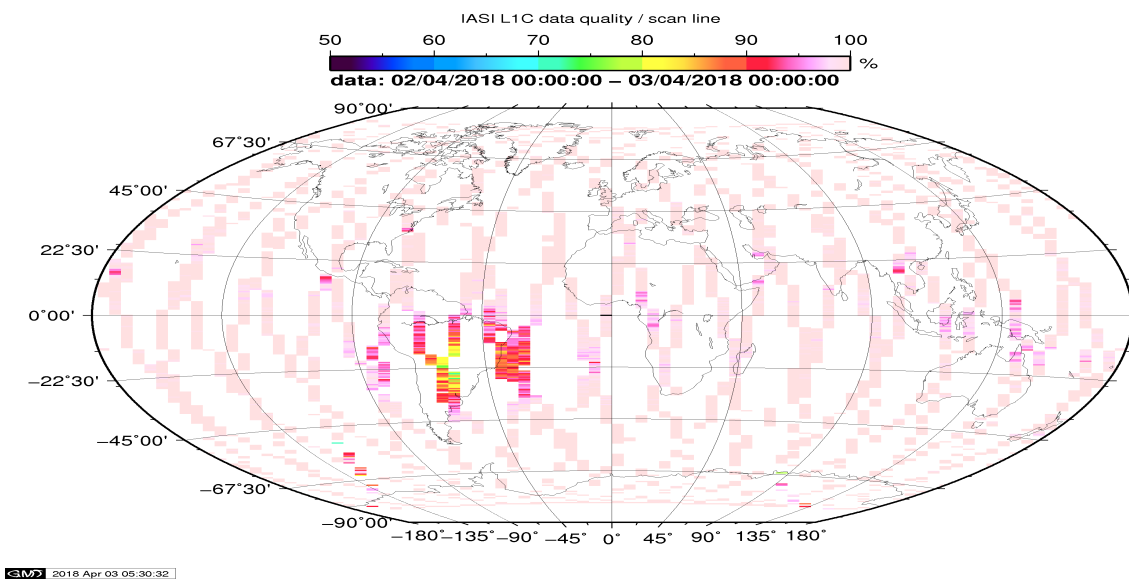


Figure 1: L1C data quality

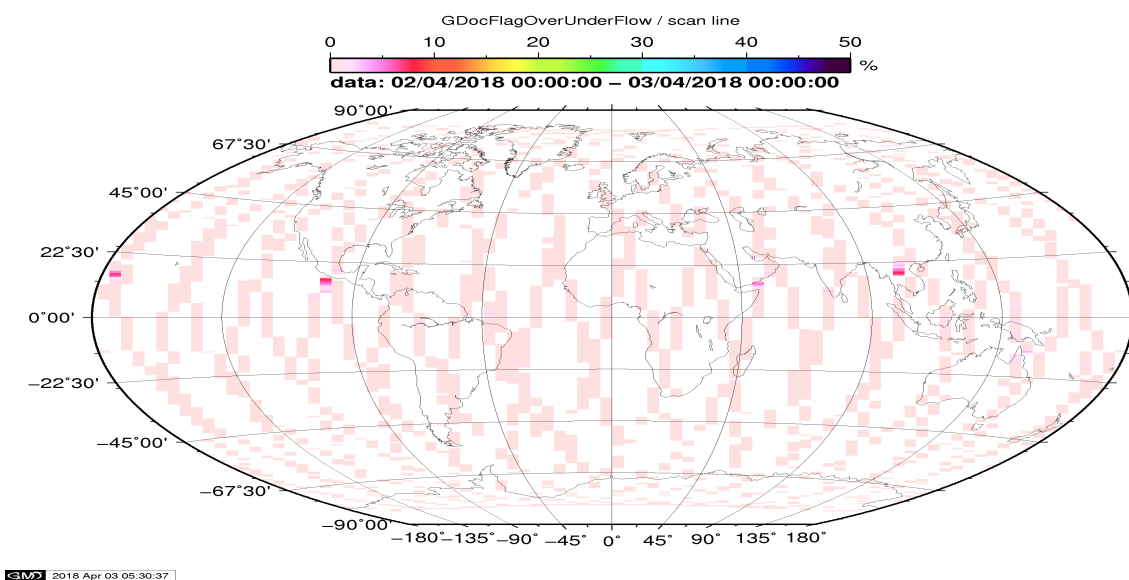


Figure 2: Flag of Over and Under Flows

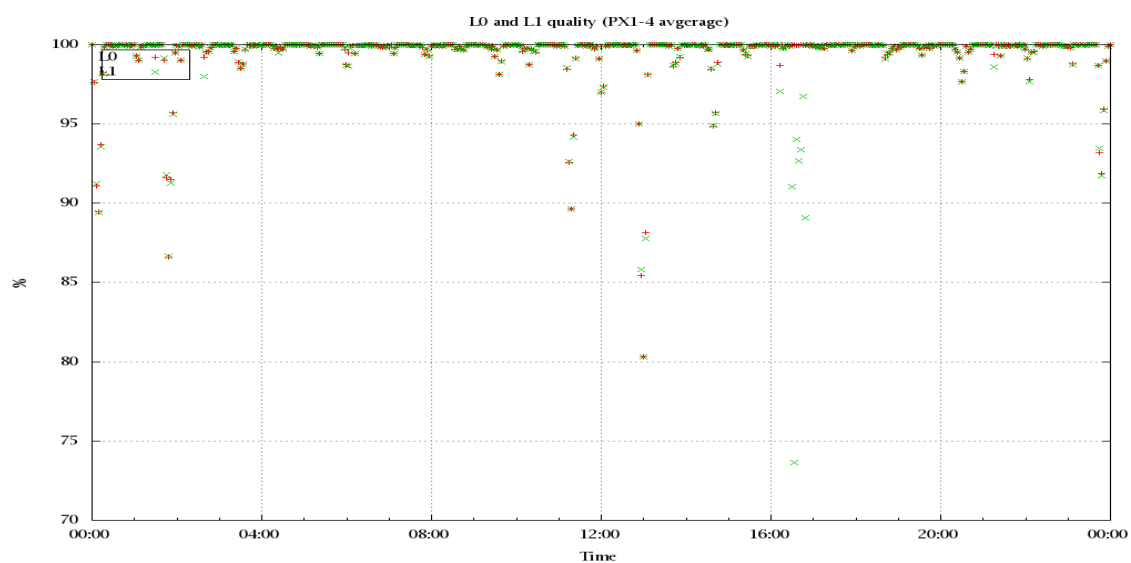


Figure 3: Level 0 and 1C overall quality

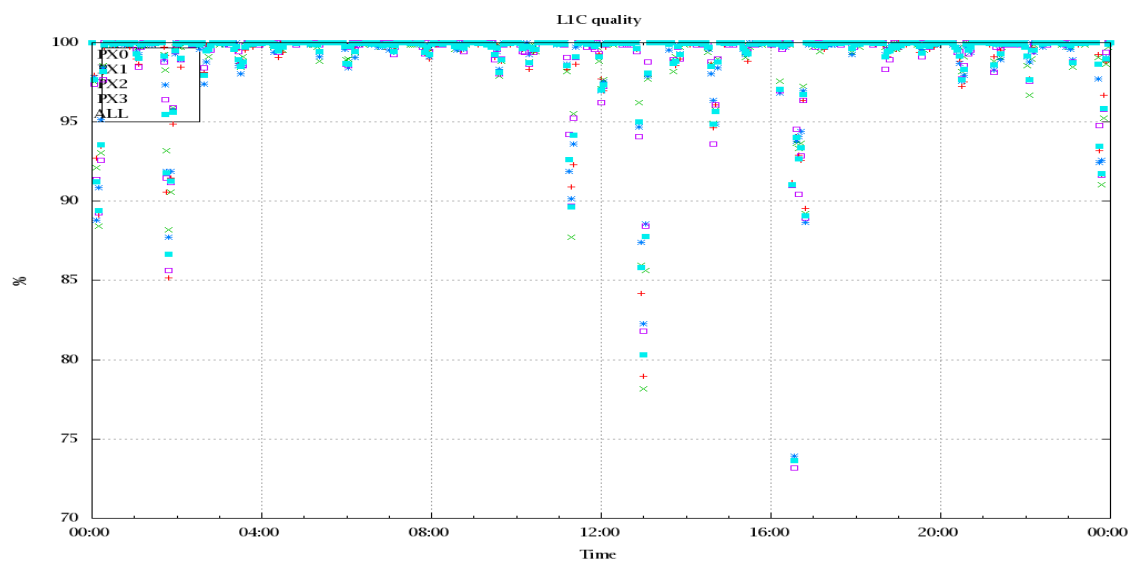


Figure 4: Level 1C quality

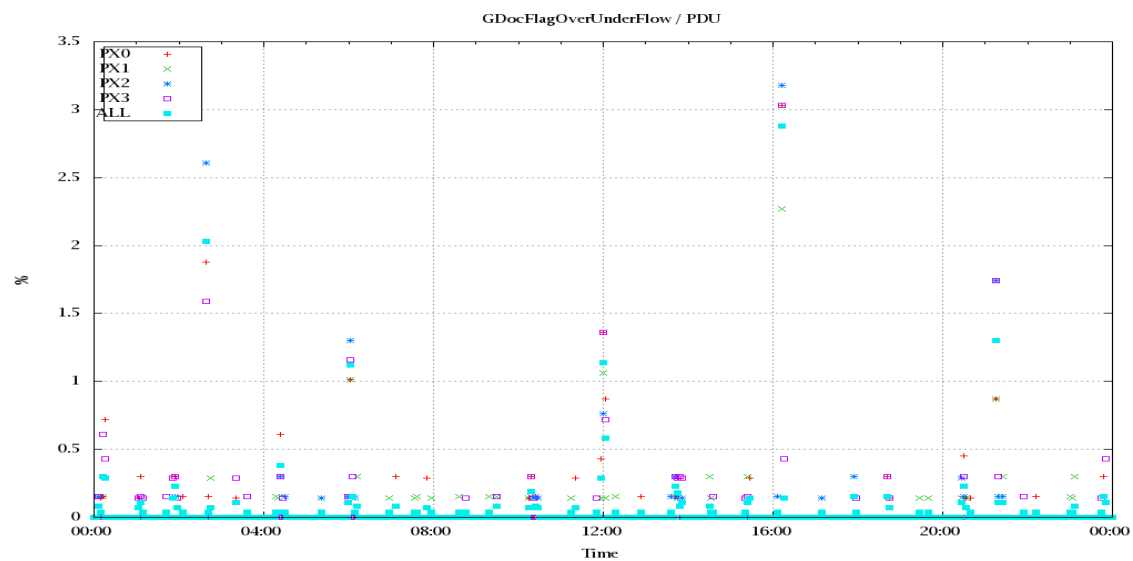


Figure 5: OverUnderFlowFlag timeseries

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.

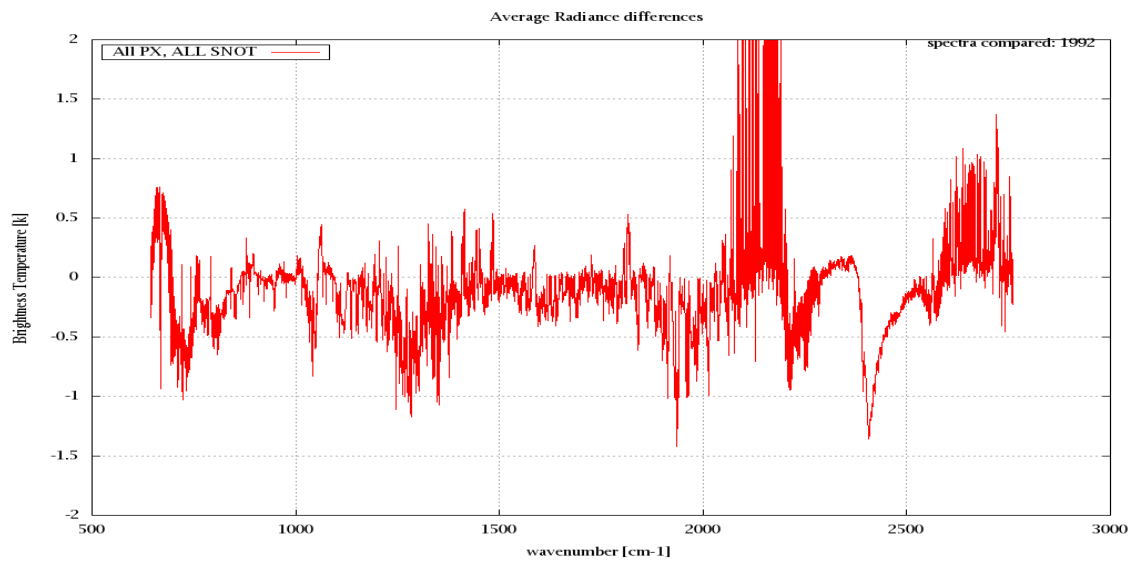


Figure 6: Average Radiance differences: OBS-CAL

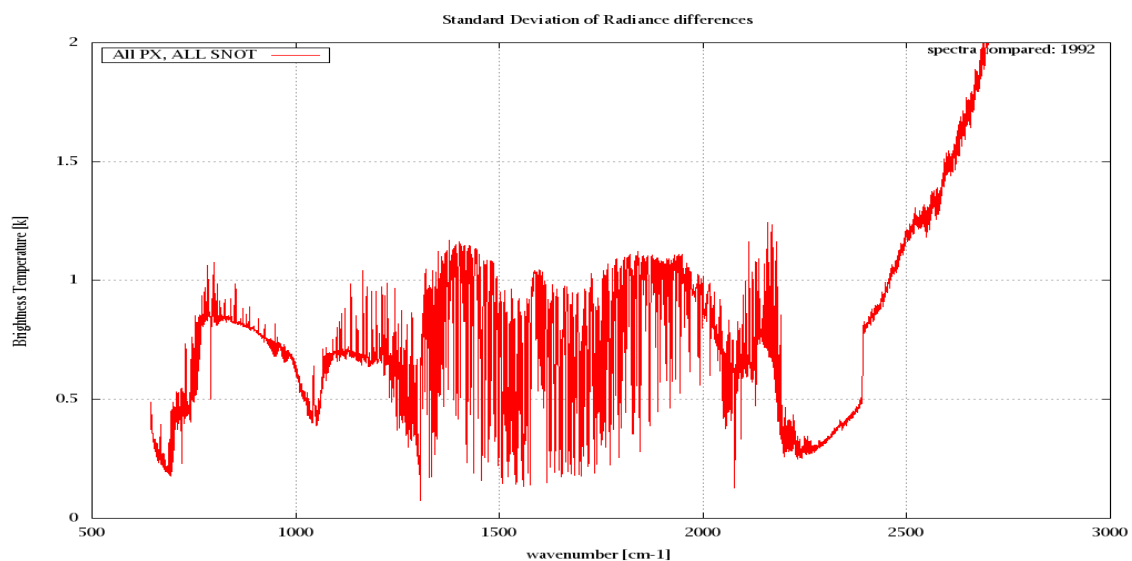


Figure 7: Standard Deviation of Radiance differences

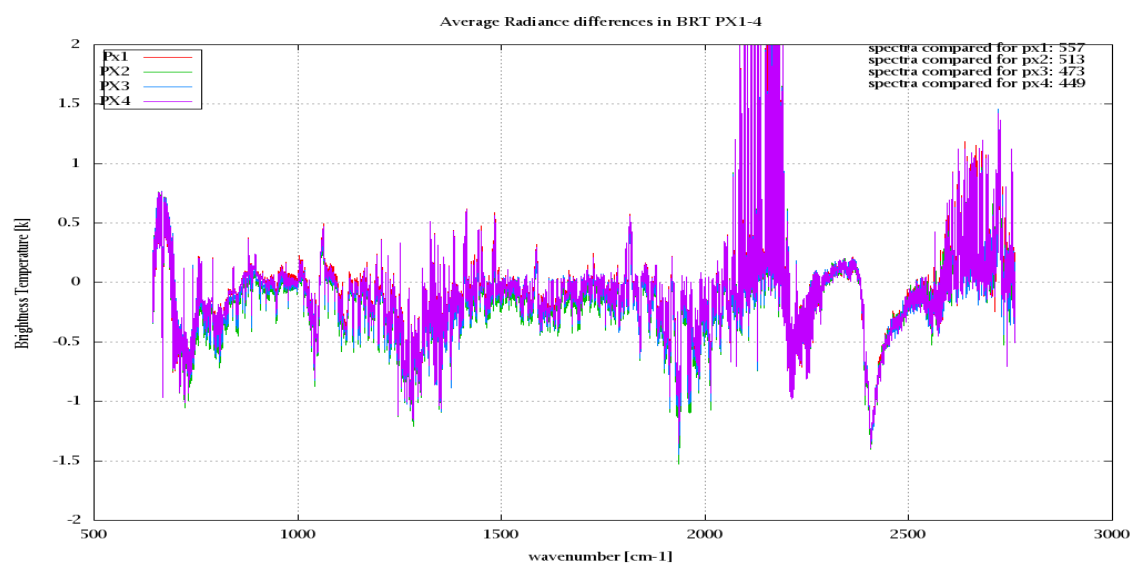


Figure 8: Average Radiance differences: OBS-CAL

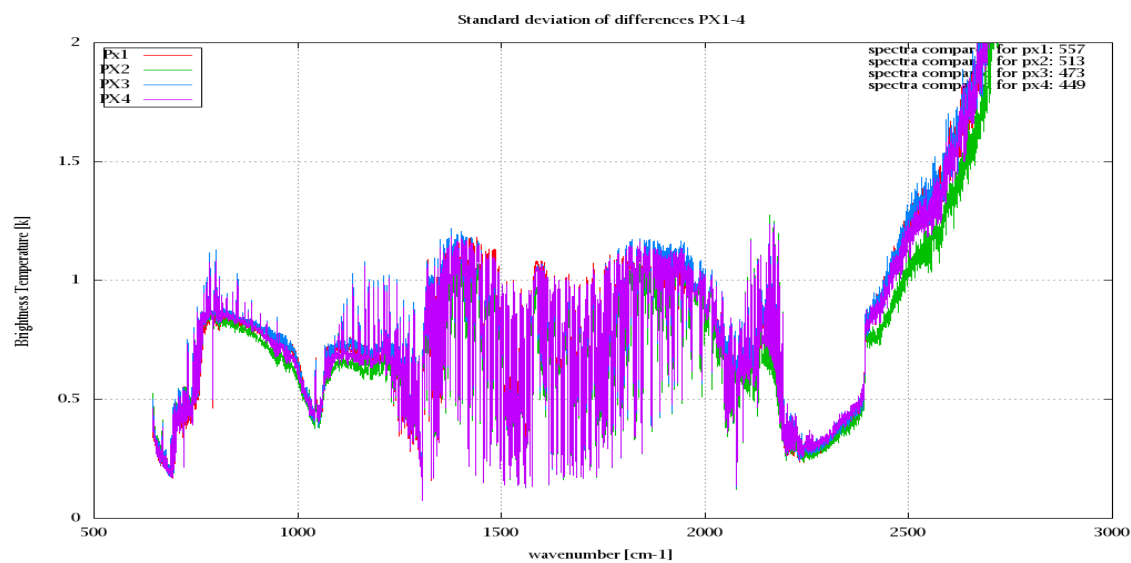


Figure 9: Standard Deviation of Radiance differences

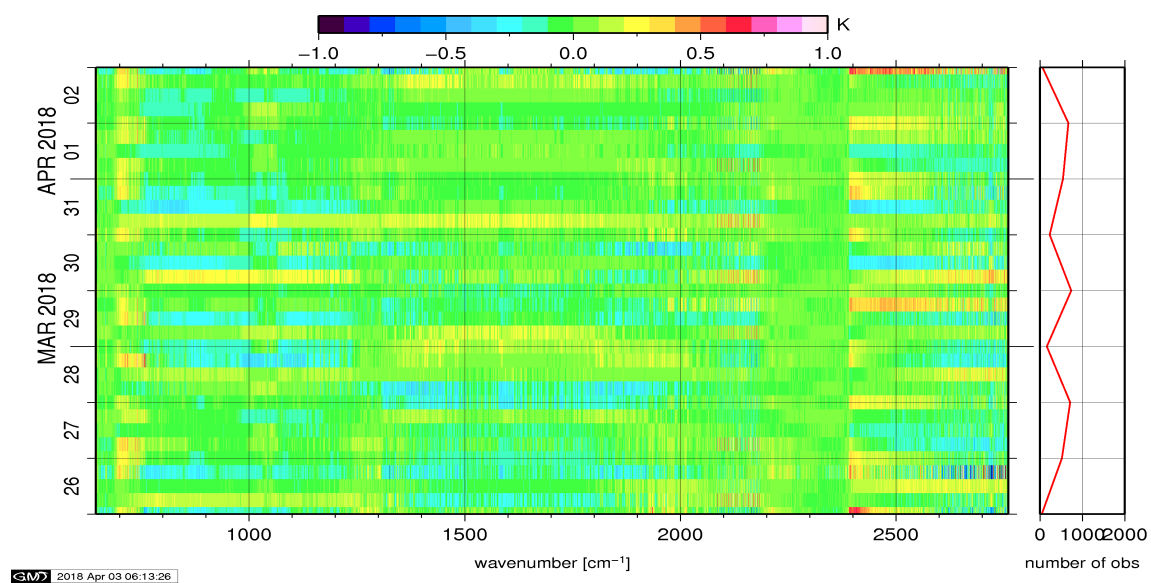


Figure 10: Radiance Anomaly in BRT: All Channels

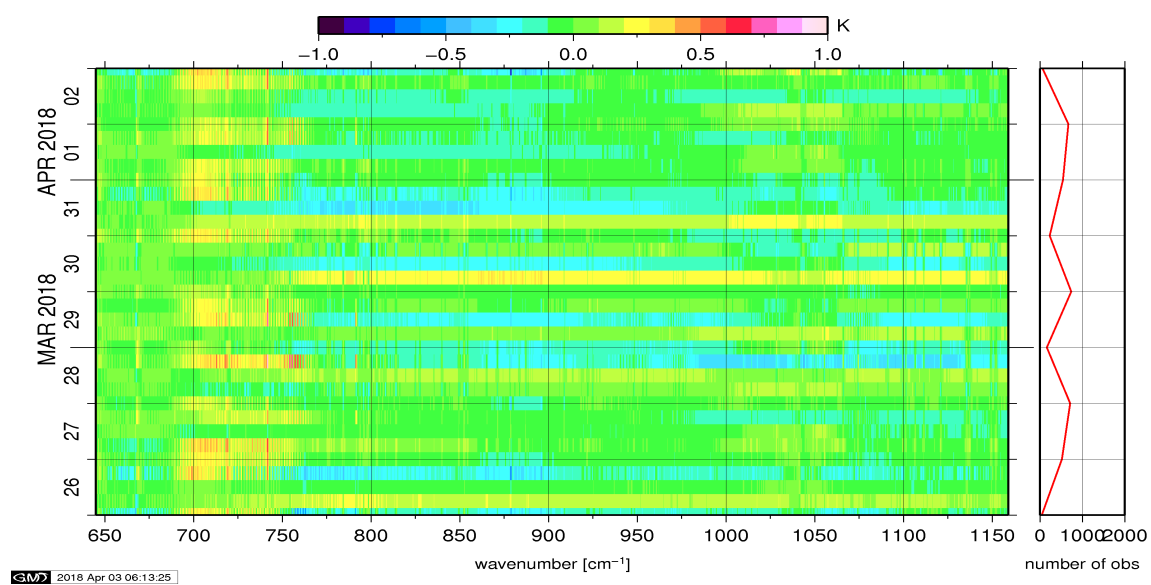


Figure 11: Radiance Anomaly in BRT: IASI Band 1

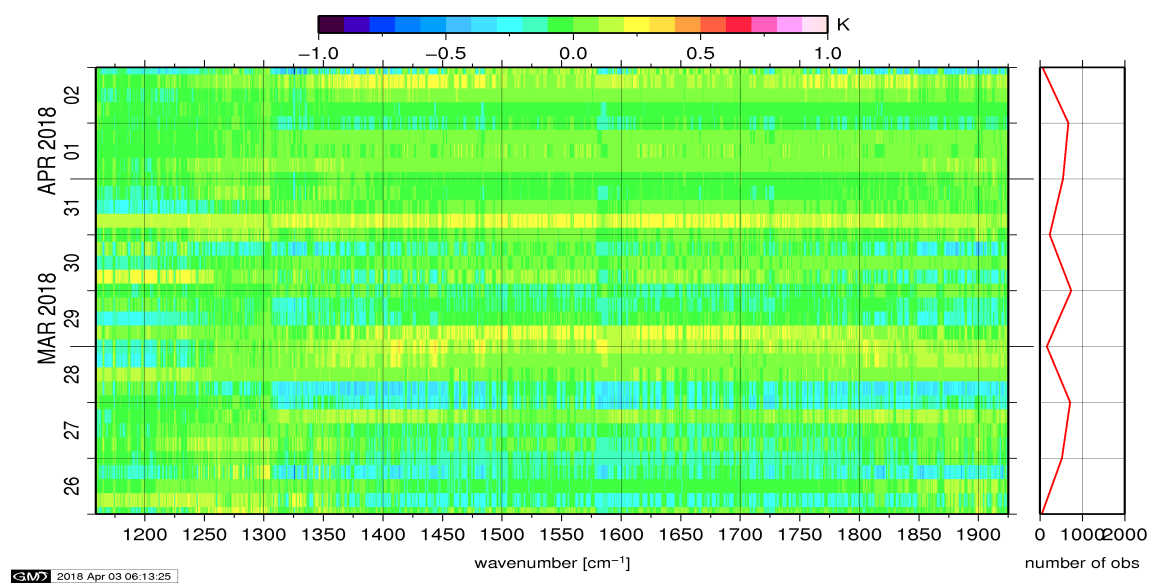


Figure 12: Radiance Anomaly in BRT: IASI Band 2

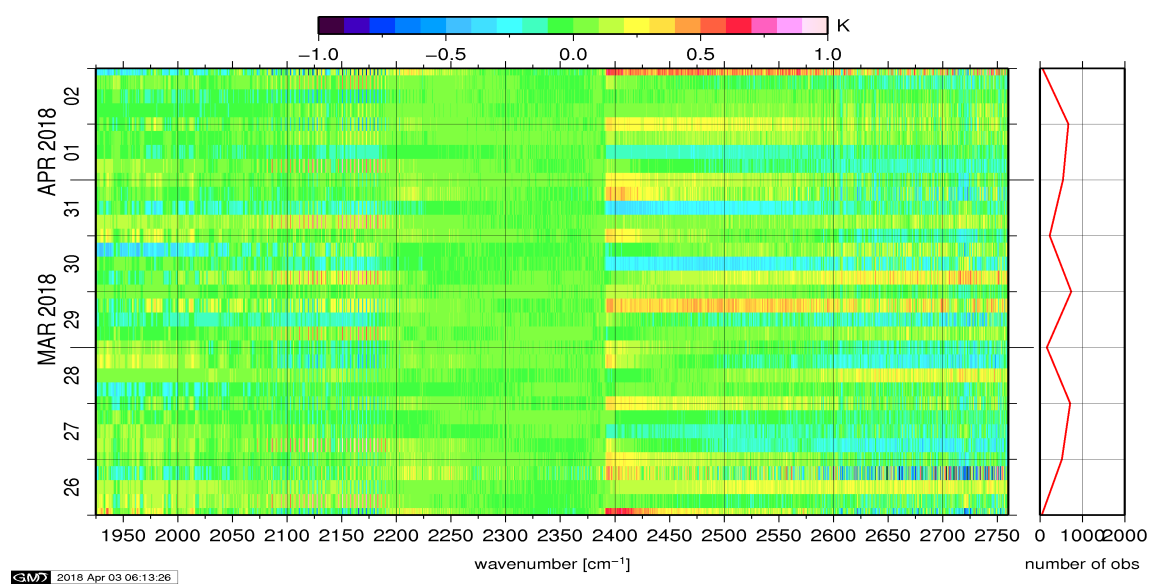


Figure 13: Radiance Anomaly in BRT: IASI Band 3

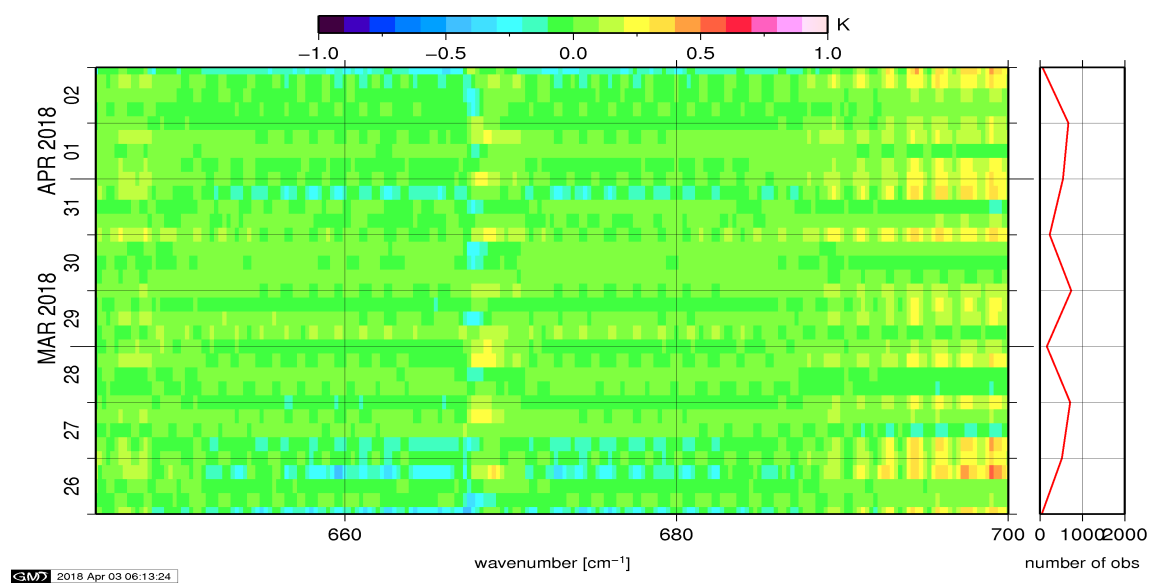


Figure 14: Radiance Anomaly in BRT: CO2 14

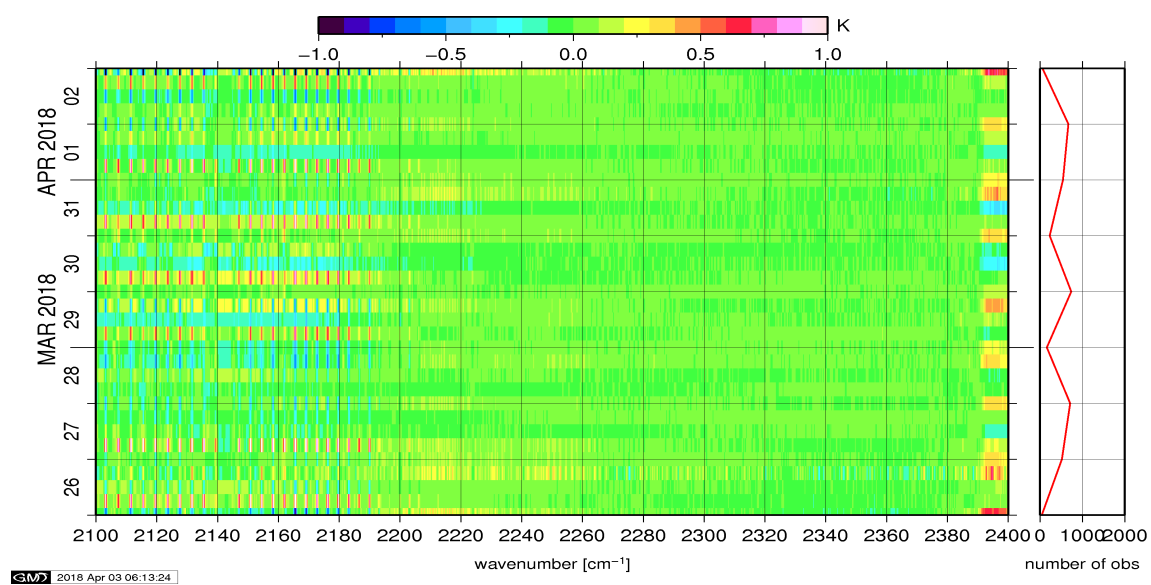


Figure 15: Radiance Anomaly in BRT: CO2 4.3

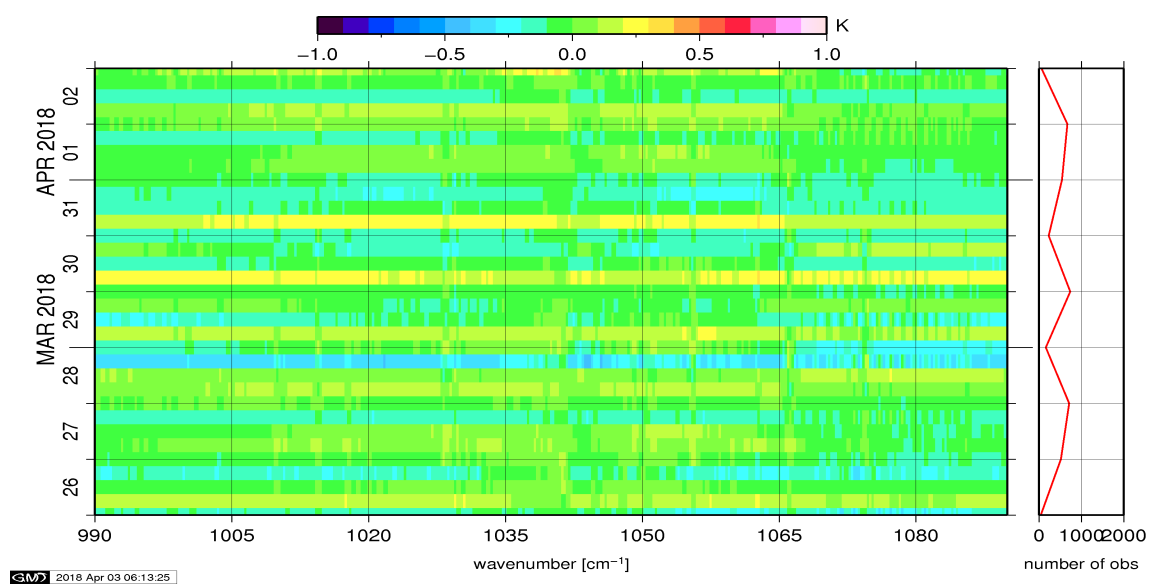


Figure 16: Radiance Anomaly in BRT: O3

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.

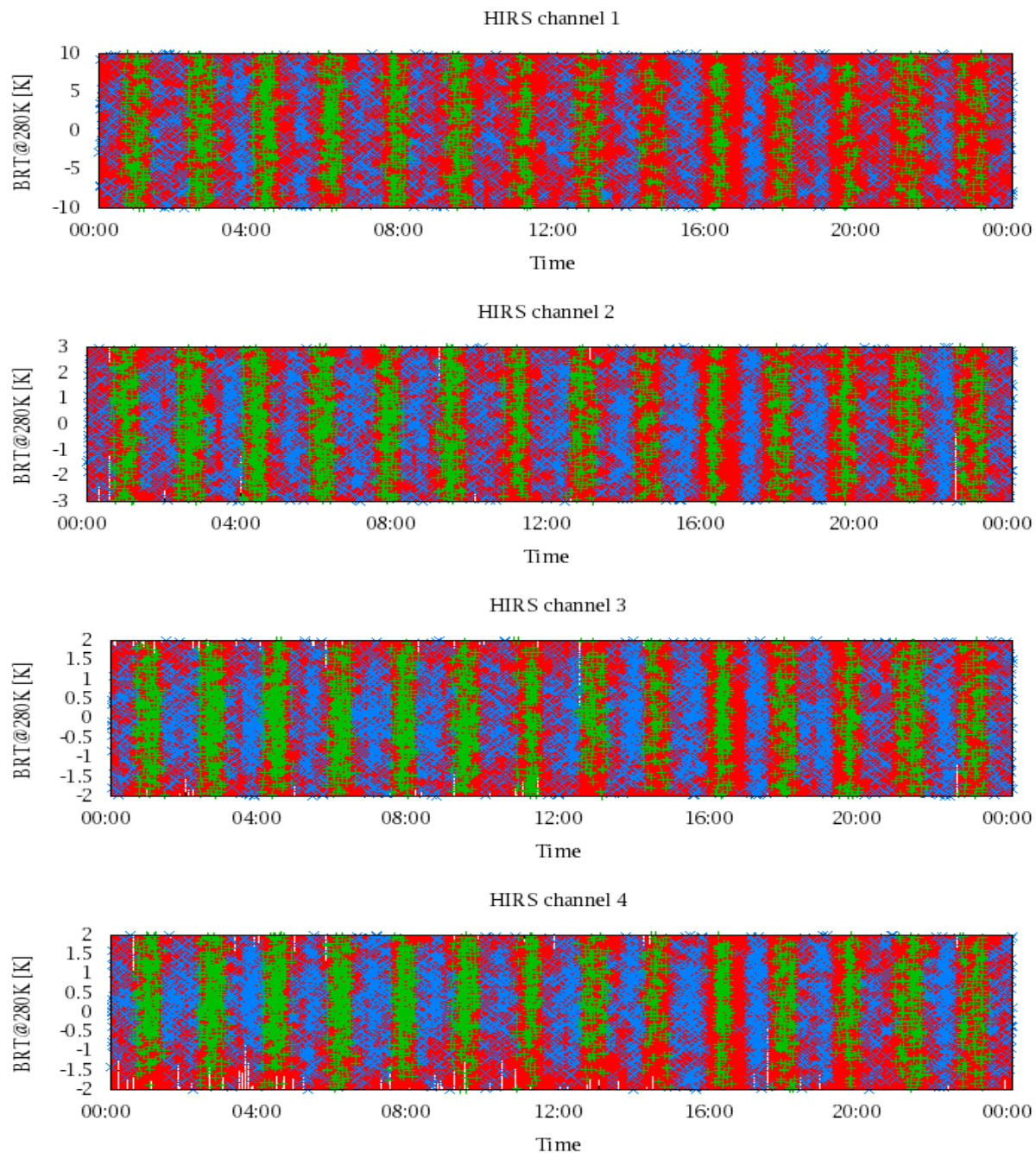


Figure 17: Radiance Differences in BRT

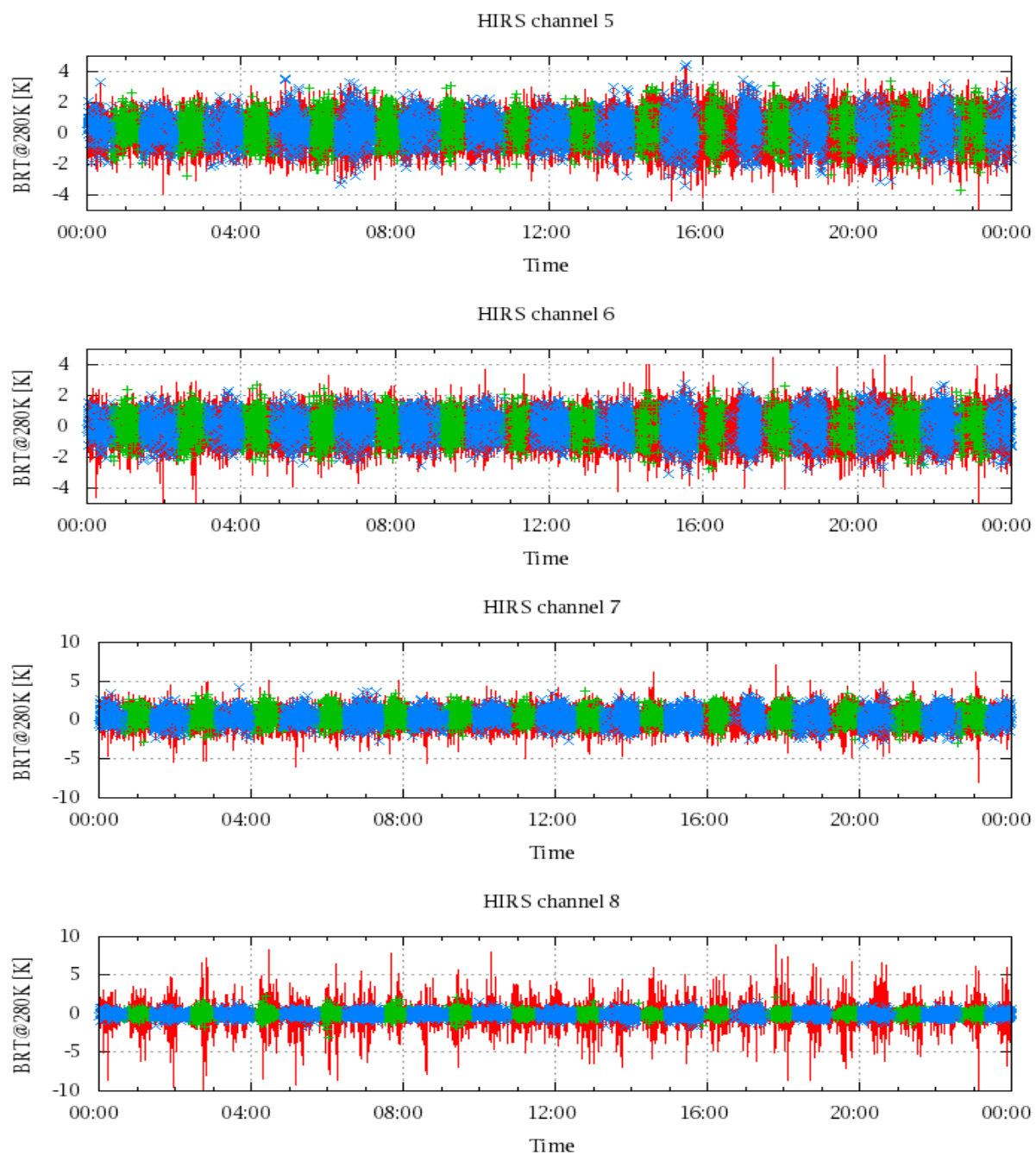


Figure 18: Radiance Differences in BRT

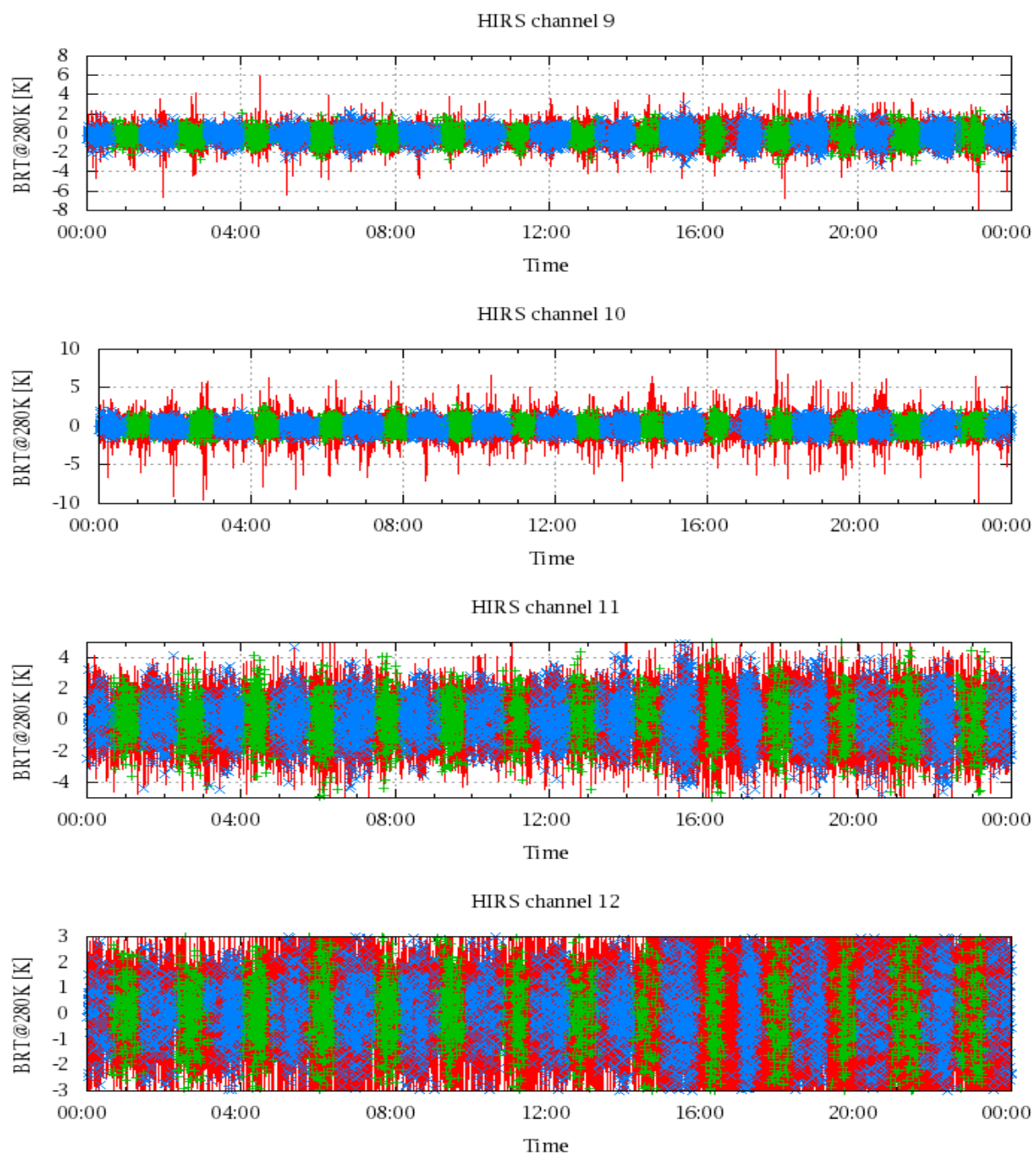


Figure 19: Radiance Differences in BRT

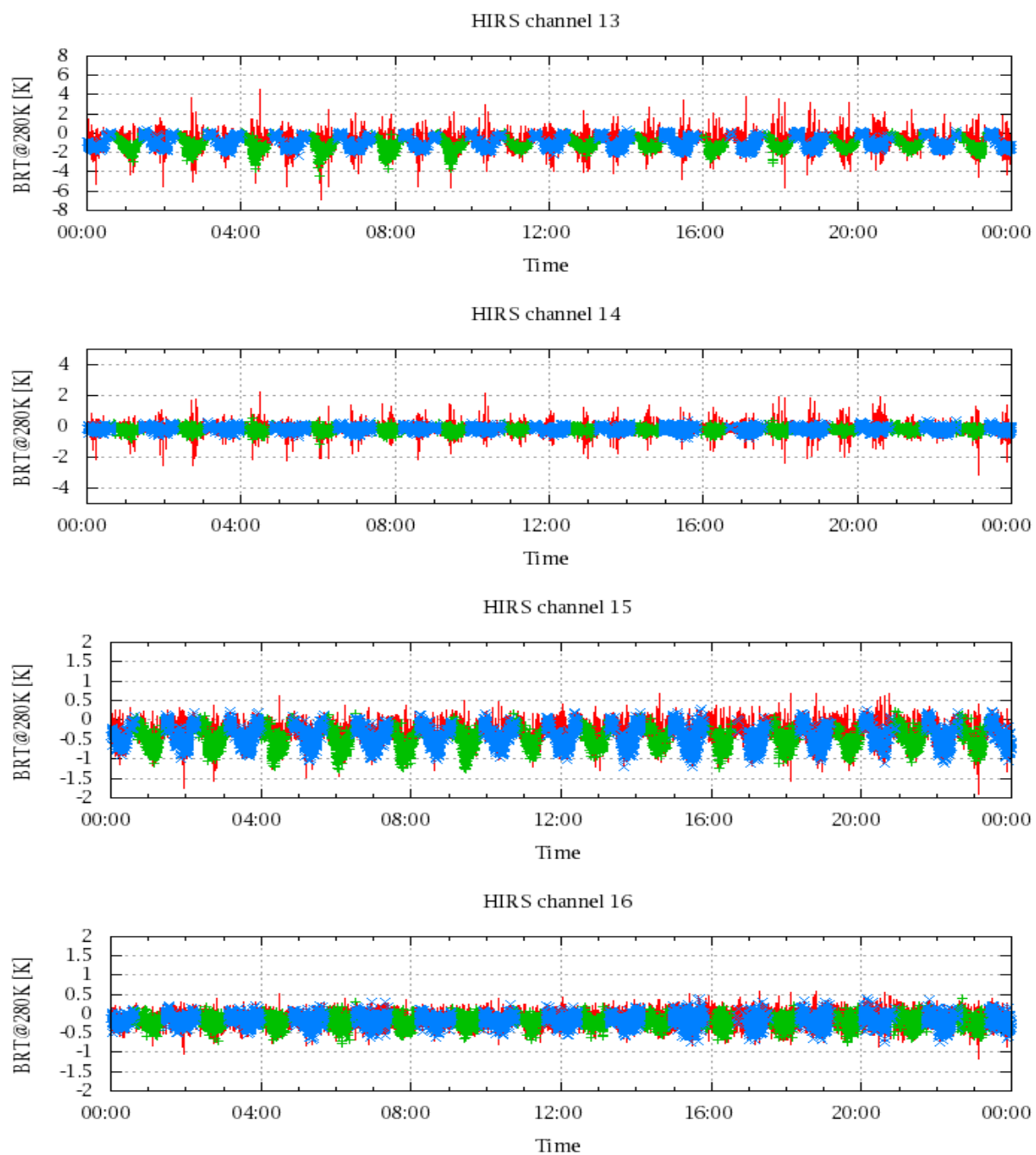


Figure 20: Radiance Differences in BRT

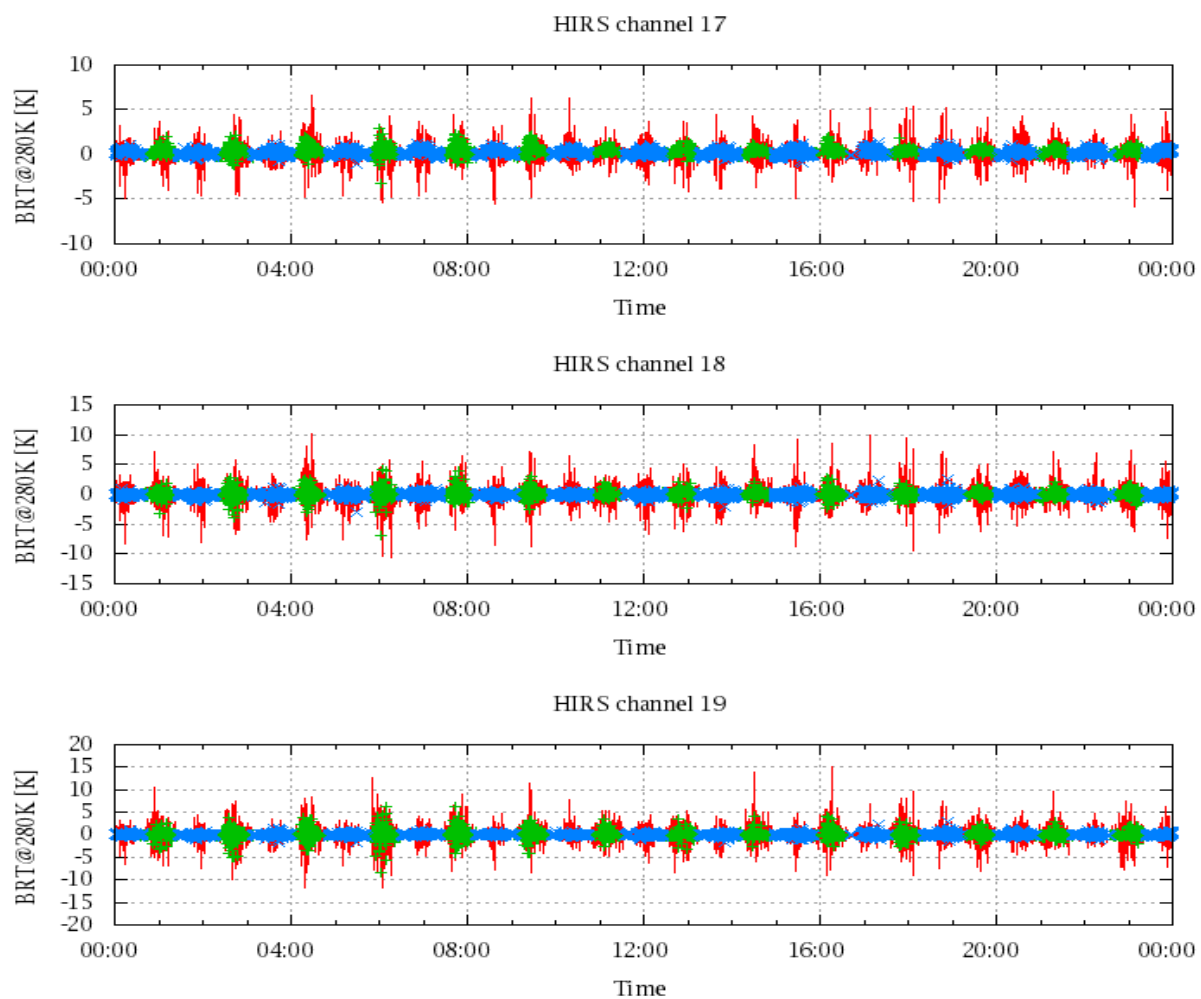


Figure 21: Radinace Differences in BRT