

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

01/01/2017 00:00:00 - 02/01/2017 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 01/01/2017 00:00:00 - 02/01/2017 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 01/01/2017 00:00:00 - 02/01/2017 00:00:00

Product Type	Number	Action
L0 HKTM PDUs	474	-
L0 IASI PDUs	474	-
L1 ENG PDUs	472	-
L1 ENG distinct GEPSGranule	472	-
L1 DPX PDUs (RM: IASI-HIRS)	466	-
L1 DPS Files (RM: OBS-CAL NWP based)	472	-

Table 1: Data quantity

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	5778	5782	20170101063807.870	20170101063808.737
PX1 (130)	5782	5785	20170101063808.737	20170101063809.382
PX1 (130)	5785	5801	20170101063809.382	20170101063814.358
PX1 (130)	5801	5803	20170101063814.358	20170101063814.788
PX1 (130)	5803	5805	20170101063814.788	20170101063815.222
PX1 (130)	5840	5842	20170101063824.304	20170101063824.733
PX1 (130)	5842	5844	20170101063824.733	20170101063825.167
PX1 (130)	5849	5851	20170101063826.249	20170101063826.683
PX1 (130)	5885	5917	20170101063837.058	20170101063845.491
PX1 (130)	5918	5920	20170101063845.706	20170101063846.140
PX1 (130)	5959	5962	20170101063856.085	20170101063856.733
PX1 (130)	5963	5965	20170101063856.948	20170101063857.382
PX1 (130)	5967	5969	20170101063857.815	20170101063858.245
PX1 (130)	5970	5974	20170101063858.464	20170101063900.843
PX1 (130)	5976	5980	20170101063901.272	20170101063902.140
PX1 (130)	5980	5982	20170101063902.140	20170101063902.569
PX1 (130)	5983	5987	20170101063902.788	20170101063903.651
PX1 (130)	5988	5991	20170101063903.870	20170101063904.518

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	5991	5993	20170101063904.518	20170101063904.952
PX1 (130)	5994	5996	20170101063905.167	20170101063905.597
PX1 (130)	5997	6045	20170101063905.815	20170101063919.222
PX1 (130)	6045	6050	20170101063919.222	20170101063920.300
PX1 (130)	6050	6052	20170101063920.300	20170101063920.733
PX1 (130)	6058	6060	20170101063922.030	20170101063922.464
PX1 (130)	6063	9688	20170101063924.624	20170101065530.004
PX1 (130)	8917	8919	20170101080454.315	20170101080454.749
PX1 (130)	8928	8930	20170101080456.694	20170101080457.128
PX1 (130)	8931	8933	20170101080457.343	20170101080457.776
PX1 (130)	8937	8966	20170101080458.639	20170101080506.425
PX1 (130)	8966	8968	20170101080506.425	20170101080506.858
PX1 (130)	8968	8970	20170101080506.858	20170101080508.803
PX1 (130)	9024	9026	20170101080521.991	20170101080522.425
PX1 (130)	9026	9090	20170101080522.425	20170101080540.799
PX1 (130)	9095	9097	20170101080541.882	20170101080542.315
PX1 (130)	9131	9135	20170101080551.178	20170101080552.046
PX1 (130)	9136	9139	20170101080552.260	20170101080552.909
PX1 (130)	9139	9141	20170101080552.909	20170101080553.342
PX1 (130)	9142	9144	20170101080553.557	20170101080553.991
PX1 (130)	9145	9149	20170101080554.206	20170101080556.585
PX1 (130)	9149	9151	20170101080556.585	20170101080557.018
PX1 (130)	9153	9158	20170101080557.452	20170101080558.530
PX1 (130)	9158	9196	20170101080558.530	20170101080608.260
PX1 (130)	9196	9198	20170101080608.260	20170101080608.694
PX1 (130)	9199	9205	20170101080608.909	20170101080610.206
PX1 (130)	9206	9239	20170101080610.424	20170101080620.585
PX1 (130)	9241	9244	20170101080621.014	20170101080621.667
PX1 (130)	9244	9247	20170101080621.667	20170101080622.315
PX1 (130)	9247	9329	20170101080622.315	20170101080644.584
PX1 (130)	9330	9333	20170101080644.799	20170101080645.448
PX1 (130)	9333	9335	20170101080645.448	20170101080645.881
PX1 (130)	9341	9343	20170101080647.178	20170101080647.612
PX1 (130)	9344	9346	20170101080647.827	20170101080648.260
PX1 (130)	9346	9430	20170101080648.260	20170101080710.971
PX1 (130)	9430	9432	20170101080710.971	20170101080711.405
PX1 (130)	9434	9437	20170101080711.838	20170101080712.491
PX1 (130)	9438	9441	20170101080712.709	20170101080713.358
PX1 (130)	9442	9444	20170101080713.577	20170101080714.010
PX1 (130)	9444	10169	20170101080714.010	20170101081028.618
PX1 (130)	11113	11115	20170101081439.637	20170101081440.067
PX1 (130)	11123	11125	20170101081441.797	20170101081442.231
PX1 (130)	11128	11134	20170101081442.879	20170101081445.691
PX1 (130)	11134	11137	20170101081445.691	20170101081446.340
PX1 (130)	11139	11141	20170101081446.774	20170101081447.203
PX1 (130)	11186	11222	20170101081458.445	20170101081509.258
PX1 (130)	11223	11225	20170101081509.473	20170101081509.906
PX1 (130)	11255	11257	20170101081517.906	20170101081518.340
PX1 (130)	11258	11262	20170101081518.555	20170101081519.418
PX1 (130)	11262	11309	20170101081519.418	20170101081532.609
PX1 (130)	11312	11314	20170101081533.258	20170101081533.687
PX1 (130)	11317	11320	20170101081534.336	20170101081534.984
PX1 (130)	11321	11323	20170101081535.203	20170101081535.637

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	11324	11454	20170101081535.852	20170101081610.012
PX1 (130)	11454	11458	20170101081610.012	20170101081610.875
PX1 (130)	11458	13979	20170101081610.875	20170101082724.588
PX1 (130)	13984	13986	20170101082725.670	20170101082726.100
PX1 (130)	13992	13995	20170101082727.397	20170101082728.045
PX1 (130)	13996	14000	20170101082728.264	20170101082729.127
PX1 (130)	14000	14009	20170101082729.127	20170101082732.588
PX1 (130)	5332	5334	20170101090146.439	20170101090146.869
PX1 (130)	5335	5338	20170101090148.599	20170101090149.251
PX1 (130)	5339	5341	20170101090149.466	20170101090149.896
PX1 (130)	5342	5344	20170101090150.115	20170101090150.548
PX1 (130)	5344	5346	20170101090150.548	20170101090150.978
PX1 (130)	5346	5349	20170101090150.978	20170101090151.626
PX1 (130)	5352	5354	20170101090152.275	20170101090152.708
PX1 (130)	5358	5360	20170101090153.576	20170101090154.005
PX1 (130)	5362	5364	20170101090154.439	20170101090154.872
PX1 (130)	5364	5370	20170101090154.872	20170101090157.681
PX1 (130)	5370	5373	20170101090157.681	20170101090158.330
PX1 (130)	5374	5376	20170101090158.544	20170101090158.978
PX1 (130)	5377	5381	20170101090159.197	20170101090200.060
PX1 (130)	5381	5384	20170101090200.060	20170101090200.708
PX1 (130)	5384	5386	20170101090200.708	20170101090201.142
PX1 (130)	5387	5393	20170101090201.357	20170101090202.654
PX1 (130)	5396	5399	20170101090204.818	20170101090205.466
PX1 (130)	5402	5404	20170101090206.115	20170101090206.548
PX1 (130)	5404	5406	20170101090206.548	20170101090206.978
PX1 (130)	5406	5408	20170101090206.978	20170101090207.412
PX1 (130)	5408	5410	20170101090207.412	20170101090207.845
PX1 (130)	5412	5414	20170101090208.275	20170101090208.708
PX1 (130)	5414	5416	20170101090208.708	20170101090209.142
PX1 (130)	5420	5422	20170101090210.005	20170101090210.439
PX1 (130)	5423	5427	20170101090210.654	20170101090213.033
PX1 (130)	5428	5431	20170101090213.247	20170101090213.896
PX1 (130)	5433	5435	20170101090214.329	20170101090214.763
PX1 (130)	5436	5438	20170101090214.978	20170101090215.412
PX1 (130)	5438	5440	20170101090215.412	20170101090215.841
PX1 (130)	5440	5445	20170101090215.841	20170101090216.923
PX1 (130)	5446	5452	20170101090217.142	20170101090218.439
PX1 (130)	5453	5455	20170101090218.654	20170101090220.599
PX1 (130)	5455	5459	20170101090220.599	20170101090221.466
PX1 (130)	5459	5461	20170101090221.466	20170101090221.896
PX1 (130)	5461	5463	20170101090221.896	20170101090222.329
PX1 (130)	5463	5467	20170101090222.329	20170101090223.193
PX1 (130)	5467	5469	20170101090223.193	20170101090223.626
PX1 (130)	5469	5471	20170101090223.626	20170101090224.060
PX1 (130)	5473	5475	20170101090224.494	20170101090224.923
PX1 (130)	5475	5477	20170101090224.923	20170101090225.357
PX1 (130)	5478	5482	20170101090225.572	20170101090226.439
PX1 (130)	5482	5484	20170101090226.439	20170101090226.869
PX1 (130)	5493	5495	20170101090230.329	20170101090230.763
PX1 (130)	5495	5497	20170101090230.763	20170101090231.193
PX1 (130)	5497	5499	20170101090231.193	20170101090231.626
PX1 (130)	5502	5504	20170101090232.275	20170101090232.708

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	5505	5507	20170101090232.923	20170101090233.357
PX1 (130)	5511	5513	20170101090234.220	20170101090234.654
PX1 (130)	5517	5519	20170101090237.033	20170101090237.462
PX1 (130)	5524	5526	20170101090238.544	20170101090238.978
PX1 (130)	5526	5530	20170101090238.978	20170101090239.841
PX1 (130)	5531	5533	20170101090240.060	20170101090240.490
PX1 (130)	5535	5537	20170101090240.923	20170101090241.357
PX1 (130)	5540	5543	20170101090242.005	20170101090242.654
PX1 (130)	5562	5564	20170101090248.275	20170101090248.708
PX1 (130)	5832	5834	20170101090400.275	20170101090400.704
PX1 (130)	5860	5862	20170101090407.841	20170101090408.271
PX1 (130)	5863	5866	20170101090408.489	20170101090409.138
PX1 (130)	5870	5872	20170101090410.001	20170101090410.435
PX1 (130)	5872	5874	20170101090410.435	20170101090410.864
PX1 (130)	5874	5876	20170101090410.864	20170101090412.814
PX1 (130)	5877	5879	20170101090413.028	20170101090413.462
PX1 (130)	5879	5882	20170101090413.462	20170101090414.110
PX1 (130)	5884	5887	20170101090414.544	20170101090415.189
PX1 (130)	5890	5892	20170101090415.841	20170101090416.271
PX1 (130)	5892	5897	20170101090416.271	20170101090417.353
PX1 (130)	5897	5900	20170101090417.353	20170101090418.001
PX1 (130)	5906	5908	20170101090420.814	20170101090421.243
PX1 (130)	5909	5911	20170101090421.462	20170101090421.896
PX1 (130)	5911	5913	20170101090421.896	20170101090422.325
PX1 (130)	5914	5916	20170101090422.540	20170101090422.974
PX1 (130)	5916	5918	20170101090422.974	20170101090423.407
PX1 (130)	5921	5923	20170101090424.056	20170101090424.489
PX1 (130)	5924	5926	20170101090424.704	20170101090425.138
PX1 (130)	5926	5930	20170101090425.138	20170101090426.001
PX1 (130)	5930	5937	20170101090426.001	20170101090429.028
PX1 (130)	5939	5941	20170101090429.462	20170101090429.892
PX1 (130)	5942	5944	20170101090430.110	20170101090430.544
PX1 (130)	5947	5949	20170101090431.189	20170101090431.622
PX1 (130)	5949	5951	20170101090431.622	20170101090432.056
PX1 (130)	5960	5963	20170101090434.001	20170101090434.649
PX1 (130)	5966	5968	20170101090436.814	20170101090437.243
PX1 (130)	5971	5973	20170101090437.892	20170101090438.325
PX1 (130)	5975	5977	20170101090438.759	20170101090439.192
PX1 (130)	5977	5980	20170101090439.192	20170101090439.837
PX1 (130)	5980	5982	20170101090439.837	20170101090440.271
PX1 (130)	5982	5984	20170101090440.271	20170101090440.704
PX1 (130)	5984	5986	20170101090440.704	20170101090441.134
PX1 (130)	5991	5993	20170101090442.216	20170101090442.649
PX1 (130)	5995	5997	20170101090444.595	20170101090445.028
PX1 (130)	6002	6004	20170101090446.110	20170101090446.540
PX1 (130)	6005	6008	20170101090446.759	20170101090447.407
PX1 (130)	6015	6017	20170101090448.919	20170101090449.353
PX1 (130)	6024	6026	20170101090450.864	20170101090452.810
PX1 (130)	6033	6035	20170101090454.325	20170101090454.759
PX1 (130)	6037	6039	20170101090455.188	20170101090455.622
PX1 (130)	6040	6042	20170101090455.837	20170101090456.271
PX1 (130)	6049	6051	20170101090457.786	20170101090458.216
PX1 (130)	6057	6059	20170101090501.028	20170101090501.458
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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	6061	6063	20170101090501.892	20170101090502.325
PX1 (130)	6068	6074	20170101090503.407	20170101090504.704
PX1 (130)	6074	6077	20170101090504.704	20170101090505.353
PX1 (130)	6077	6080	20170101090505.353	20170101090506.001
PX1 (130)	6081	6084	20170101090506.216	20170101090506.864
PX1 (130)	6094	6098	20170101090510.540	20170101090511.407
PX1 (130)	6098	6101	20170101090511.407	20170101090512.056
PX1 (130)	6101	6103	20170101090512.056	20170101090512.485
PX1 (130)	6104	6126	20170101090512.700	20170101090518.974
PX1 (130)	6127	6254	20170101090519.188	20170101090552.700
PX1 (130)	6254	6257	20170101090552.700	20170101090553.349
PX1 (130)	6257	6259	20170101090553.349	20170101090553.782
PX1 (130)	6259	6263	20170101090553.782	20170101090554.645
PX1 (130)	6263	6265	20170101090554.645	20170101090556.595
PX1 (130)	6269	6271	20170101090557.458	20170101090557.891
PX1 (130)	6273	6277	20170101090558.325	20170101090559.188
PX1 (130)	6278	6281	20170101090559.407	20170101090600.052
PX1 (130)	6282	6284	20170101090600.270	20170101090600.700
PX1 (130)	6284	6290	20170101090600.700	20170101090601.997
PX1 (130)	6290	6292	20170101090601.997	20170101090602.431
PX1 (130)	6292	6294	20170101090602.431	20170101090602.864
PX1 (130)	6294	6297	20170101090602.864	20170101090605.024
PX1 (130)	6301	6303	20170101090605.891	20170101090606.321
PX1 (130)	6303	6309	20170101090606.321	20170101090607.618
PX1 (130)	6309	6312	20170101090607.618	20170101090608.270
PX1 (130)	6313	6316	20170101090608.485	20170101090609.134
PX1 (130)	6318	6608	20170101090609.567	20170101090727.403
PX1 (130)	6608	6611	20170101090727.403	20170101090728.051
PX1 (130)	6611	6615	20170101090728.051	20170101090728.915
PX1 (130)	6615	6618	20170101090728.915	20170101090729.563
PX1 (130)	6618	6620	20170101090729.563	20170101090729.997
PX1 (130)	6621	6623	20170101090730.212	20170101090730.645
PX1 (130)	6623	6625	20170101090730.645	20170101090732.590
PX1 (130)	6625	6630	20170101090732.590	20170101090733.672
PX1 (130)	6632	6634	20170101090734.102	20170101090734.536
PX1 (130)	6634	6638	20170101090734.536	20170101090735.403
PX1 (130)	6638	6640	20170101090735.403	20170101090735.833
PX1 (130)	6640	6643	20170101090735.833	20170101090736.481
PX1 (130)	6644	6646	20170101090736.700	20170101090737.130
PX1 (130)	6646	6649	20170101090737.130	20170101090737.782
PX1 (130)	6649	6652	20170101090737.782	20170101090738.426
PX1 (130)	6653	6655	20170101090738.645	20170101090740.590
PX1 (130)	6655	6657	20170101090740.590	20170101090741.024
PX1 (130)	6658	6661	20170101090741.239	20170101090741.887
PX1 (130)	6661	6663	20170101090741.887	20170101090742.321
PX1 (130)	6663	6665	20170101090742.321	20170101090742.751
PX1 (130)	6667	6670	20170101090743.184	20170101090743.833
PX1 (130)	6670	6674	20170101090743.833	20170101090744.700
PX1 (130)	6675	6680	20170101090744.915	20170101090745.997
PX1 (130)	6680	6683	20170101090745.997	20170101090746.645
PX1 (130)	6684	6687	20170101090746.860	20170101090749.024
PX1 (130)	6693	6695	20170101090750.321	20170101090750.754
PX1 (130)	6695	6698	20170101090750.754	20170101090751.403

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	6699	6701	20170101090751.618	20170101090752.051
PX1 (130)	6703	6706	20170101090752.481	20170101090753.129
PX1 (130)	6706	6708	20170101090753.129	20170101090753.563
PX1 (130)	6708	7615	20170101090753.563	20170101091156.582
PX1 (130)	7615	7617	20170101091156.582	20170101091157.016
PX1 (130)	7628	7630	20170101091159.395	20170101091159.828
PX1 (130)	7664	7666	20170101091208.691	20170101091209.121
PX1 (130)	7740	7742	20170101091229.664	20170101091230.098
PX1 (130)	7745	7747	20170101091230.742	20170101091231.176
PX1 (130)	7751	7753	20170101091232.043	20170101091232.473
PX1 (130)	7755	7757	20170101091232.906	20170101091233.340
PX1 (130)	7759	7761	20170101091233.769	20170101091234.203
PX1 (130)	7763	7765	20170101091234.637	20170101091236.582
PX1 (130)	7772	7774	20170101091238.094	20170101091238.527
PX1 (130)	7789	7791	20170101091241.769	20170101091242.203
PX1 (130)	7792	7794	20170101091242.418	20170101091242.851
PX1 (130)	7796	7802	20170101091244.797	20170101091246.094
PX1 (130)	7802	7857	20170101091246.094	20170101091301.012
PX1 (130)	7859	7864	20170101091301.445	20170101091302.527
PX1 (130)	7864	7869	20170101091302.527	20170101091303.609
PX1 (130)	7870	7872	20170101091303.824	20170101091304.258
PX1 (130)	7872	7875	20170101091304.258	20170101091304.906
PX1 (130)	7875	7878	20170101091304.906	20170101091305.555
PX1 (130)	7879	7881	20170101091305.769	20170101091306.203
PX1 (130)	7881	7883	20170101091306.203	20170101091306.637
PX1 (130)	7883	7885	20170101091306.637	20170101091308.582
PX1 (130)	7885	7887	20170101091308.582	20170101091309.015
PX1 (130)	7897	7899	20170101091311.176	20170101091311.609
PX1 (130)	7915	7917	20170101091316.582	20170101091317.012
PX1 (130)	8113	8115	20170101091408.472	20170101091408.902
PX1 (130)	8120	8122	20170101091409.984	20170101091410.418
PX2 (135)	5779	5781	20170101063808.085	20170101063808.519
PX2 (135)	5783	5785	20170101063808.952	20170101063809.382
PX2 (135)	5785	5800	20170101063809.382	20170101063814.140
PX2 (135)	5842	5844	20170101063824.733	20170101063825.167
PX2 (135)	5883	5888	20170101063836.628	20170101063837.706
PX2 (135)	5889	5918	20170101063837.925	20170101063845.706
PX2 (135)	5958	5960	20170101063855.870	20170101063856.304
PX2 (135)	5963	5965	20170101063856.948	20170101063857.382
PX2 (135)	5966	5969	20170101063857.601	20170101063858.245
PX2 (135)	5970	5975	20170101063858.464	20170101063901.058
PX2 (135)	5975	5979	20170101063901.058	20170101063901.925
PX2 (135)	5979	5982	20170101063901.925	20170101063902.569
PX2 (135)	5983	5985	20170101063902.788	20170101063903.222
PX2 (135)	5985	5994	20170101063903.222	20170101063905.167
PX2 (135)	5996	5999	20170101063905.597	20170101063906.249
PX2 (135)	5999	6045	20170101063906.249	20170101063919.222
PX2 (135)	6045	6048	20170101063919.222	20170101063919.866
PX2 (135)	6048	6050	20170101063919.866	20170101063920.300
PX2 (135)	6050	6052	20170101063920.300	20170101063920.733
PX2 (135)	6057	6059	20170101063921.815	20170101063922.249
PX2 (135)	6062	6065	20170101063922.893	20170101063925.057
PX2 (135)	6065	9688	20170101063925.057	20170101065530.004

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	9798	9800	20170101065559.840	20170101065600.270
PX2 (135)	8931	8934	20170101080457.343	20170101080457.991
PX2 (135)	8935	8937	20170101080458.210	20170101080458.639
PX2 (135)	8937	8965	20170101080458.639	20170101080506.206
PX2 (135)	9015	9017	20170101080520.046	20170101080520.479
PX2 (135)	9023	9025	20170101080521.776	20170101080522.206
PX2 (135)	9027	9089	20170101080522.639	20170101080540.585
PX2 (135)	9089	9092	20170101080540.585	20170101080541.233
PX2 (135)	9122	9124	20170101080549.233	20170101080549.667
PX2 (135)	9125	9127	20170101080549.881	20170101080550.315
PX2 (135)	9128	9130	20170101080550.530	20170101080550.964
PX2 (135)	9130	9132	20170101080550.964	20170101080551.397
PX2 (135)	9133	9140	20170101080551.612	20170101080553.128
PX2 (135)	9140	9142	20170101080553.128	20170101080553.557
PX2 (135)	9142	9148	20170101080553.557	20170101080554.854
PX2 (135)	9150	9152	20170101080556.799	20170101080557.233
PX2 (135)	9152	9156	20170101080557.233	20170101080558.096
PX2 (135)	9156	9201	20170101080558.096	20170101080609.342
PX2 (135)	9201	9203	20170101080609.342	20170101080609.772
PX2 (135)	9203	9206	20170101080609.772	20170101080610.424
PX2 (135)	9206	9208	20170101080610.424	20170101080610.854
PX2 (135)	9208	9210	20170101080610.854	20170101080612.799
PX2 (135)	9211	9213	20170101080613.018	20170101080613.448
PX2 (135)	9213	9237	20170101080613.448	20170101080618.639
PX2 (135)	9237	9239	20170101080618.639	20170101080620.585
PX2 (135)	9241	9245	20170101080621.014	20170101080621.881
PX2 (135)	9245	9248	20170101080621.881	20170101080622.530
PX2 (135)	9249	9251	20170101080622.745	20170101080623.178
PX2 (135)	9251	9328	20170101080623.178	20170101080642.854
PX2 (135)	9328	9330	20170101080642.854	20170101080644.799
PX2 (135)	9331	9333	20170101080645.018	20170101080645.448
PX2 (135)	9336	9338	20170101080646.096	20170101080646.530
PX2 (135)	9338	9340	20170101080646.530	20170101080646.959
PX2 (135)	9341	9344	20170101080647.178	20170101080647.827
PX2 (135)	9344	9348	20170101080647.827	20170101080648.690
PX2 (135)	9349	9430	20170101080648.909	20170101080710.971
PX2 (135)	9430	9432	20170101080710.971	20170101080711.405
PX2 (135)	9433	9436	20170101080711.620	20170101080712.272
PX2 (135)	9436	9441	20170101080712.272	20170101080713.358
PX2 (135)	9441	9444	20170101080713.358	20170101080714.010
PX2 (135)	9444	9446	20170101080714.010	20170101080714.448
PX2 (135)	9446	10169	20170101080714.448	20170101081028.618
PX2 (135)	11122	11124	20170101081441.582	20170101081442.016
PX2 (135)	11128	11131	20170101081442.879	20170101081445.043
PX2 (135)	11131	11135	20170101081445.043	20170101081445.906
PX2 (135)	11135	11137	20170101081445.906	20170101081446.340
PX2 (135)	11137	11140	20170101081446.340	20170101081446.988
PX2 (135)	11186	11221	20170101081458.445	20170101081509.039
PX2 (135)	11221	11223	20170101081509.039	20170101081509.473
PX2 (135)	11223	11225	20170101081509.473	20170101081509.906
PX2 (135)	11259	11310	20170101081518.770	20170101081532.824
PX2 (135)	11323	11325	20170101081535.637	20170101081536.066
PX2 (135)	11325	11388	20170101081536.066	20170101081552.715
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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	11388	11450	20170101081552.715	20170101081609.148
PX2 (135)	11450	11452	20170101081609.148	20170101081609.578
PX2 (135)	11452	11454	20170101081609.578	20170101081610.012
PX2 (135)	11455	11458	20170101081610.230	20170101081610.875
PX2 (135)	11458	13980	20170101081610.875	20170101082724.803
PX2 (135)	13983	13985	20170101082725.451	20170101082725.885
PX2 (135)	13989	13991	20170101082726.748	20170101082727.182
PX2 (135)	13992	13998	20170101082727.397	20170101082728.694
PX2 (135)	13998	14000	20170101082728.694	20170101082729.127
PX2 (135)	14000	14002	20170101082729.127	20170101082729.561
PX2 (135)	14002	14005	20170101082729.561	20170101082730.209
PX2 (135)	14006	14008	20170101082730.424	20170101082730.858
PX2 (135)	14058	14060	20170101082744.694	20170101082745.127
PX2 (135)	5330	5332	20170101090146.005	20170101090146.439
PX2 (135)	5335	5337	20170101090148.599	20170101090149.033
PX2 (135)	5337	5340	20170101090149.033	20170101090149.681
PX2 (135)	5340	5342	20170101090149.681	20170101090150.115
PX2 (135)	5342	5345	20170101090150.115	20170101090150.763
PX2 (135)	5350	5352	20170101090151.845	20170101090152.275
PX2 (135)	5353	5356	20170101090152.494	20170101090153.142
PX2 (135)	5367	5369	20170101090157.033	20170101090157.466
PX2 (135)	5369	5372	20170101090157.466	20170101090158.115
PX2 (135)	5373	5375	20170101090158.330	20170101090158.763
PX2 (135)	5375	5380	20170101090158.763	20170101090159.841
PX2 (135)	5383	5394	20170101090200.494	20170101090202.869
PX2 (135)	5394	5396	20170101090202.869	20170101090204.818
PX2 (135)	5405	5407	20170101090206.763	20170101090207.193
PX2 (135)	5407	5410	20170101090207.193	20170101090207.845
PX2 (135)	5410	5412	20170101090207.845	20170101090208.275
PX2 (135)	5412	5414	20170101090208.275	20170101090208.708
PX2 (135)	5418	5422	20170101090209.576	20170101090210.439
PX2 (135)	5424	5429	20170101090210.872	20170101090213.466
PX2 (135)	5430	5433	20170101090213.681	20170101090214.329
PX2 (135)	5433	5438	20170101090214.329	20170101090215.412
PX2 (135)	5438	5443	20170101090215.412	20170101090216.494
PX2 (135)	5444	5446	20170101090216.708	20170101090217.142
PX2 (135)	5447	5450	20170101090217.357	20170101090218.005
PX2 (135)	5455	5460	20170101090220.599	20170101090221.681
PX2 (135)	5461	5463	20170101090221.896	20170101090222.329
PX2 (135)	5463	5472	20170101090222.329	20170101090224.275
PX2 (135)	5472	5476	20170101090224.275	20170101090225.142
PX2 (135)	5476	5483	20170101090225.142	20170101090226.654
PX2 (135)	5493	5495	20170101090230.329	20170101090230.763
PX2 (135)	5495	5497	20170101090230.763	20170101090231.193
PX2 (135)	5497	5499	20170101090231.193	20170101090231.626
PX2 (135)	5509	5511	20170101090233.790	20170101090234.220
PX2 (135)	5516	5518	20170101090236.814	20170101090237.247
PX2 (135)	5519	5521	20170101090237.462	20170101090237.896
PX2 (135)	5525	5530	20170101090238.759	20170101090239.841
PX2 (135)	5531	5533	20170101090240.060	20170101090240.490
PX2 (135)	5535	5537	20170101090240.923	20170101090241.357
PX2 (135)	5554	5556	20170101090246.544	20170101090246.978
PX2 (135)	5558	5560	20170101090247.411	20170101090247.841

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	5564	5566	20170101090248.708	20170101090249.138
PX2 (135)	5569	5571	20170101090249.786	20170101090250.220
PX2 (135)	5587	5589	20170101090255.193	20170101090255.626
PX2 (135)	5855	5857	20170101090406.759	20170101090407.192
PX2 (135)	5866	5868	20170101090409.138	20170101090409.567
PX2 (135)	5870	5873	20170101090410.001	20170101090410.650
PX2 (135)	5879	5881	20170101090413.462	20170101090413.892
PX2 (135)	5882	5884	20170101090414.110	20170101090414.544
PX2 (135)	5885	5887	20170101090414.759	20170101090415.189
PX2 (135)	5888	5890	20170101090415.407	20170101090415.841
PX2 (135)	5890	5893	20170101090415.841	20170101090416.489
PX2 (135)	5893	5895	20170101090416.489	20170101090416.919
PX2 (135)	5896	5899	20170101090417.138	20170101090417.786
PX2 (135)	5899	5903	20170101090417.786	20170101090418.650
PX2 (135)	5903	5905	20170101090418.650	20170101090420.595
PX2 (135)	5906	5912	20170101090420.814	20170101090422.110
PX2 (135)	5913	5916	20170101090422.325	20170101090422.974
PX2 (135)	5917	5919	20170101090423.192	20170101090423.622
PX2 (135)	5920	5923	20170101090423.837	20170101090424.489
PX2 (135)	5923	5925	20170101090424.489	20170101090424.919
PX2 (135)	5928	5930	20170101090425.567	20170101090426.001
PX2 (135)	5930	5932	20170101090426.001	20170101090426.435
PX2 (135)	5932	5934	20170101090426.435	20170101090426.864
PX2 (135)	5934	5937	20170101090426.864	20170101090429.028
PX2 (135)	5941	5943	20170101090429.892	20170101090430.325
PX2 (135)	5947	5949	20170101090431.189	20170101090431.622
PX2 (135)	5950	5956	20170101090431.841	20170101090433.138
PX2 (135)	5956	5960	20170101090433.138	20170101090434.001
PX2 (135)	5965	5968	20170101090436.595	20170101090437.243
PX2 (135)	5982	5987	20170101090440.271	20170101090441.353
PX2 (135)	5991	5993	20170101090442.216	20170101090442.649
PX2 (135)	5994	5997	20170101090442.864	20170101090445.028
PX2 (135)	5998	6001	20170101090445.243	20170101090445.892
PX2 (135)	6003	6005	20170101090446.325	20170101090446.759
PX2 (135)	6007	6009	20170101090447.188	20170101090447.622
PX2 (135)	6013	6015	20170101090448.485	20170101090448.919
PX2 (135)	6017	6019	20170101090449.353	20170101090449.782
PX2 (135)	6019	6021	20170101090449.782	20170101090450.216
PX2 (135)	6021	6023	20170101090450.216	20170101090450.649
PX2 (135)	6026	6028	20170101090452.810	20170101090453.243
PX2 (135)	6030	6032	20170101090453.677	20170101090454.106
PX2 (135)	6033	6035	20170101090454.325	20170101090454.759
PX2 (135)	6035	6037	20170101090454.759	20170101090455.188
PX2 (135)	6040	6042	20170101090455.837	20170101090456.271
PX2 (135)	6053	6055	20170101090458.649	20170101090500.595
PX2 (135)	6055	6057	20170101090500.595	20170101090501.028
PX2 (135)	6057	6060	20170101090501.028	20170101090501.677
PX2 (135)	6061	6064	20170101090501.892	20170101090502.540
PX2 (135)	6070	6074	20170101090503.837	20170101090504.704
PX2 (135)	6075	6077	20170101090504.919	20170101090505.353
PX2 (135)	6097	6099	20170101090511.188	20170101090511.622
PX2 (135)	6101	6253	20170101090512.056	20170101090552.485
PX2 (135)	6253	6256	20170101090552.485	20170101090553.134
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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	6256	6262	20170101090553.134	20170101090554.431
PX2 (135)	6265	6267	20170101090556.595	20170101090557.024
PX2 (135)	6267	6269	20170101090557.024	20170101090557.458
PX2 (135)	6269	6271	20170101090557.458	20170101090557.891
PX2 (135)	6273	6277	20170101090558.325	20170101090559.188
PX2 (135)	6277	6279	20170101090559.188	20170101090559.622
PX2 (135)	6279	6294	20170101090559.622	20170101090602.864
PX2 (135)	6294	6296	20170101090602.864	20170101090604.809
PX2 (135)	6298	6301	20170101090605.243	20170101090605.891
PX2 (135)	6307	6311	20170101090607.188	20170101090608.052
PX2 (135)	6313	6316	20170101090608.485	20170101090609.134
PX2 (135)	6316	6322	20170101090609.134	20170101090610.430
PX2 (135)	6322	6324	20170101090610.430	20170101090610.864
PX2 (135)	6324	6334	20170101090610.864	20170101090614.540
PX2 (135)	6334	6609	20170101090614.540	20170101090727.618
PX2 (135)	6609	6615	20170101090727.618	20170101090728.915
PX2 (135)	6615	6617	20170101090728.915	20170101090729.348
PX2 (135)	6617	6621	20170101090729.348	20170101090730.212
PX2 (135)	6621	6623	20170101090730.212	20170101090730.645
PX2 (135)	6623	6625	20170101090730.645	20170101090732.590
PX2 (135)	6627	6631	20170101090733.024	20170101090733.887
PX2 (135)	6632	6637	20170101090734.102	20170101090735.184
PX2 (135)	6637	6640	20170101090735.184	20170101090735.833
PX2 (135)	6640	6643	20170101090735.833	20170101090736.481
PX2 (135)	6644	6647	20170101090736.700	20170101090737.348
PX2 (135)	6647	6649	20170101090737.348	20170101090737.782
PX2 (135)	6650	6652	20170101090737.997	20170101090738.426
PX2 (135)	6653	6656	20170101090738.645	20170101090740.805
PX2 (135)	6659	6661	20170101090741.454	20170101090741.887
PX2 (135)	6664	6666	20170101090742.536	20170101090742.969
PX2 (135)	6666	6668	20170101090742.969	20170101090743.403
PX2 (135)	6668	6673	20170101090743.403	20170101090744.481
PX2 (135)	6673	6678	20170101090744.481	20170101090745.563
PX2 (135)	6678	6688	20170101090745.563	20170101090749.239
PX2 (135)	6694	6696	20170101090750.536	20170101090750.969
PX2 (135)	6699	6701	20170101090751.618	20170101090752.051
PX2 (135)	6701	6703	20170101090752.051	20170101090752.481
PX2 (135)	6703	6705	20170101090752.481	20170101090752.915
PX2 (135)	6705	6707	20170101090752.915	20170101090753.348
PX2 (135)	6707	7606	20170101090753.348	20170101091153.125
PX2 (135)	7606	7610	20170101091153.125	20170101091153.988
PX2 (135)	7610	7613	20170101091153.988	20170101091154.637
PX2 (135)	7616	7618	20170101091156.801	20170101091157.230
PX2 (135)	7623	7625	20170101091158.313	20170101091158.746
PX2 (135)	7626	7628	20170101091158.961	20170101091159.395
PX2 (135)	7645	7647	20170101091204.582	20170101091205.016
PX2 (135)	7650	7652	20170101091205.664	20170101091206.098
PX2 (135)	7656	7658	20170101091206.961	20170101091207.395
PX2 (135)	7740	7742	20170101091229.664	20170101091230.098
PX2 (135)	7763	7765	20170101091234.637	20170101091236.582
PX2 (135)	7775	7777	20170101091238.746	20170101091239.176
PX2 (135)	7787	7789	20170101091241.340	20170101091241.769
PX2 (135)	7793	7795	20170101091242.637	20170101091244.582
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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	7796	7803	20170101091244.797	20170101091246.312
PX2 (135)	7803	7861	20170101091246.312	20170101091301.879
PX2 (135)	7862	7872	20170101091302.094	20170101091304.258
PX2 (135)	7872	7874	20170101091304.258	20170101091304.691
PX2 (135)	7875	7881	20170101091304.906	20170101091306.203
PX2 (135)	7883	7886	20170101091306.637	20170101091308.797
PX2 (135)	7892	7894	20170101091310.094	20170101091310.527
PX2 (135)	7903	7905	20170101091312.472	20170101091312.906
PX2 (135)	7907	7910	20170101091313.340	20170101091313.984
PX2 (135)	7912	7914	20170101091314.418	20170101091314.851
PX2 (135)	7926	7928	20170101091318.961	20170101091319.390
PX2 (135)	8098	8101	20170101091405.226	20170101091405.875
PX2 (135)	8101	8103	20170101091405.875	20170101091406.308
PX2 (135)	8120	8122	20170101091409.984	20170101091410.418
PX2 (135)	8128	8130	20170101091413.226	20170101091413.660
PX3 (140)	5779	5783	20170101063808.085	20170101063808.952
PX3 (140)	5783	5787	20170101063808.952	20170101063809.815
PX3 (140)	5787	5800	20170101063809.815	20170101063814.140
PX3 (140)	5802	5805	20170101063814.573	20170101063815.222
PX3 (140)	5850	5852	20170101063826.464	20170101063826.897
PX3 (140)	5882	5885	20170101063834.897	20170101063837.058
PX3 (140)	5886	5921	20170101063837.276	20170101063846.354
PX3 (140)	5952	5954	20170101063854.573	20170101063855.003
PX3 (140)	5961	5963	20170101063856.519	20170101063856.948
PX3 (140)	5964	5966	20170101063857.167	20170101063857.601
PX3 (140)	5967	5971	20170101063857.815	20170101063858.679
PX3 (140)	5971	5973	20170101063858.679	20170101063900.628
PX3 (140)	5973	5976	20170101063900.628	20170101063901.272
PX3 (140)	5976	5979	20170101063901.272	20170101063901.925
PX3 (140)	5980	5982	20170101063902.140	20170101063902.569
PX3 (140)	5984	5986	20170101063903.003	20170101063903.436
PX3 (140)	5988	5990	20170101063903.870	20170101063904.300
PX3 (140)	5990	5992	20170101063904.300	20170101063904.733
PX3 (140)	5997	6000	20170101063905.815	20170101063906.464
PX3 (140)	6000	6050	20170101063906.464	20170101063920.300
PX3 (140)	6059	6061	20170101063922.249	20170101063922.679
PX3 (140)	6064	6069	20170101063924.843	20170101063925.921
PX3 (140)	6069	9688	20170101063925.921	20170101065530.004
PX3 (140)	10878	10880	20170101070047.867	20170101070048.301
PX3 (140)	8932	8935	20170101080457.561	20170101080458.210
PX3 (140)	8935	8937	20170101080458.210	20170101080458.639
PX3 (140)	8938	8964	20170101080458.858	20170101080505.991
PX3 (140)	8964	8967	20170101080505.991	20170101080506.639
PX3 (140)	9009	9011	20170101080518.749	20170101080519.178
PX3 (140)	9015	9017	20170101080520.046	20170101080520.479
PX3 (140)	9024	9026	20170101080521.991	20170101080522.425
PX3 (140)	9026	9028	20170101080522.425	20170101080522.858
PX3 (140)	9028	9090	20170101080522.858	20170101080540.799
PX3 (140)	9117	9119	20170101080546.639	20170101080548.585
PX3 (140)	9123	9126	20170101080549.448	20170101080550.100
PX3 (140)	9128	9130	20170101080550.530	20170101080550.964
PX3 (140)	9132	9134	20170101080551.397	20170101080551.827
PX3 (140)	9135	9137	20170101080552.046	20170101080552.475

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	9137	9140	20170101080552.475	20170101080553.128
PX3 (140)	9141	9145	20170101080553.342	20170101080554.206
PX3 (140)	9145	9148	20170101080554.206	20170101080554.854
PX3 (140)	9152	9155	20170101080557.233	20170101080557.881
PX3 (140)	9155	9159	20170101080557.881	20170101080558.749
PX3 (140)	9159	9193	20170101080558.749	20170101080607.612
PX3 (140)	9193	9195	20170101080607.612	20170101080608.042
PX3 (140)	9195	9197	20170101080608.042	20170101080608.475
PX3 (140)	9198	9202	20170101080608.694	20170101080609.557
PX3 (140)	9203	9207	20170101080609.772	20170101080610.639
PX3 (140)	9207	9239	20170101080610.639	20170101080620.585
PX3 (140)	9239	9241	20170101080620.585	20170101080621.014
PX3 (140)	9241	9244	20170101080621.014	20170101080621.667
PX3 (140)	9251	9330	20170101080623.178	20170101080644.799
PX3 (140)	9330	9336	20170101080644.799	20170101080646.096
PX3 (140)	9336	9338	20170101080646.096	20170101080646.530
PX3 (140)	9341	9343	20170101080647.178	20170101080647.612
PX3 (140)	9344	9346	20170101080647.827	20170101080648.260
PX3 (140)	9346	9349	20170101080648.260	20170101080648.909
PX3 (140)	9349	9352	20170101080648.909	20170101080649.557
PX3 (140)	9352	9431	20170101080649.557	20170101080711.186
PX3 (140)	9434	9436	20170101080711.838	20170101080712.272
PX3 (140)	9436	9438	20170101080712.272	20170101080712.709
PX3 (140)	9438	9440	20170101080712.709	20170101080713.143
PX3 (140)	9441	9456	20170101080713.358	20170101080718.131
PX3 (140)	9456	10169	20170101080718.131	20170101081028.618
PX3 (140)	11114	11117	20170101081439.852	20170101081440.500
PX3 (140)	11127	11129	20170101081442.664	20170101081444.609
PX3 (140)	11129	11134	20170101081444.609	20170101081445.691
PX3 (140)	11136	11138	20170101081446.121	20170101081446.555
PX3 (140)	11139	11141	20170101081446.774	20170101081447.203
PX3 (140)	11187	11220	20170101081458.664	20170101081508.824
PX3 (140)	11220	11224	20170101081508.824	20170101081509.691
PX3 (140)	11224	11226	20170101081509.691	20170101081510.121
PX3 (140)	11252	11254	20170101081517.258	20170101081517.688
PX3 (140)	11259	11261	20170101081518.770	20170101081519.203
PX3 (140)	11261	11309	20170101081519.203	20170101081532.609
PX3 (140)	11312	11314	20170101081533.258	20170101081533.687
PX3 (140)	11323	11328	20170101081535.637	20170101081536.715
PX3 (140)	11328	11453	20170101081536.715	20170101081609.797
PX3 (140)	11453	11457	20170101081609.797	20170101081610.660
PX3 (140)	11457	13979	20170101081610.660	20170101082724.588
PX3 (140)	13989	13991	20170101082726.748	20170101082727.182
PX3 (140)	13992	13997	20170101082727.397	20170101082728.479
PX3 (140)	13998	14006	20170101082728.694	20170101082730.424
PX3 (140)	14006	14008	20170101082730.424	20170101082730.858
PX3 (140)	14043	14045	20170101082741.451	20170101082741.885
PX3 (140)	5311	5313	20170101090141.900	20170101090142.330
PX3 (140)	5338	5341	20170101090149.251	20170101090149.896
PX3 (140)	5342	5344	20170101090150.115	20170101090150.548
PX3 (140)	5351	5355	20170101090152.060	20170101090152.923
PX3 (140)	5357	5360	20170101090153.357	20170101090154.005
PX3 (140)	5365	5367	20170101090156.599	20170101090157.033

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	5373	5375	20170101090158.330	20170101090158.763
PX3 (140)	5376	5378	20170101090158.978	20170101090159.412
PX3 (140)	5379	5383	20170101090159.626	20170101090200.494
PX3 (140)	5383	5388	20170101090200.494	20170101090201.572
PX3 (140)	5389	5392	20170101090201.790	20170101090202.439
PX3 (140)	5392	5395	20170101090202.439	20170101090204.599
PX3 (140)	5397	5399	20170101090205.033	20170101090205.466
PX3 (140)	5401	5403	20170101090205.896	20170101090206.329
PX3 (140)	5406	5408	20170101090206.978	20170101090207.412
PX3 (140)	5409	5412	20170101090207.626	20170101090208.275
PX3 (140)	5419	5421	20170101090209.790	20170101090210.220
PX3 (140)	5424	5427	20170101090210.872	20170101090213.033
PX3 (140)	5427	5429	20170101090213.033	20170101090213.466
PX3 (140)	5430	5434	20170101090213.681	20170101090214.544
PX3 (140)	5434	5437	20170101090214.544	20170101090215.197
PX3 (140)	5437	5440	20170101090215.197	20170101090215.841
PX3 (140)	5440	5442	20170101090215.841	20170101090216.275
PX3 (140)	5442	5445	20170101090216.275	20170101090216.923
PX3 (140)	5446	5448	20170101090217.142	20170101090217.572
PX3 (140)	5449	5451	20170101090217.790	20170101090218.220
PX3 (140)	5452	5454	20170101090218.439	20170101090218.869
PX3 (140)	5455	5457	20170101090220.599	20170101090221.033
PX3 (140)	5460	5465	20170101090221.681	20170101090222.763
PX3 (140)	5465	5467	20170101090222.763	20170101090223.193
PX3 (140)	5468	5474	20170101090223.411	20170101090224.708
PX3 (140)	5474	5476	20170101090224.708	20170101090225.142
PX3 (140)	5476	5479	20170101090225.142	20170101090225.786
PX3 (140)	5479	5482	20170101090225.786	20170101090226.439
PX3 (140)	5482	5484	20170101090226.439	20170101090226.869
PX3 (140)	5487	5489	20170101090229.033	20170101090229.466
PX3 (140)	5492	5494	20170101090230.111	20170101090230.544
PX3 (140)	5497	5499	20170101090231.193	20170101090231.626
PX3 (140)	5499	5501	20170101090231.626	20170101090232.060
PX3 (140)	5501	5503	20170101090232.060	20170101090232.493
PX3 (140)	5504	5506	20170101090232.708	20170101090233.138
PX3 (140)	5506	5508	20170101090233.138	20170101090233.572
PX3 (140)	5514	5516	20170101090234.868	20170101090236.814
PX3 (140)	5516	5518	20170101090236.814	20170101090237.247
PX3 (140)	5525	5527	20170101090238.759	20170101090239.193
PX3 (140)	5527	5529	20170101090239.193	20170101090239.626
PX3 (140)	5530	5532	20170101090239.841	20170101090240.275
PX3 (140)	5564	5566	20170101090248.708	20170101090249.138
PX3 (140)	5569	5571	20170101090249.786	20170101090250.220
PX3 (140)	5822	5824	20170101090358.110	20170101090358.544
PX3 (140)	5847	5850	20170101090405.028	20170101090405.677
PX3 (140)	5859	5861	20170101090407.622	20170101090408.056
PX3 (140)	5871	5873	20170101090410.220	20170101090410.650
PX3 (140)	5891	5893	20170101090416.056	20170101090416.489
PX3 (140)	5893	5895	20170101090416.489	20170101090416.919
PX3 (140)	5895	5897	20170101090416.919	20170101090417.353
PX3 (140)	5898	5900	20170101090417.571	20170101090418.001
PX3 (140)	5900	5902	20170101090418.001	20170101090418.435
PX3 (140)	5902	5904	20170101090418.435	20170101090418.868

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	5905	5909	20170101090420.595	20170101090421.462
PX3 (140)	5909	5911	20170101090421.462	20170101090421.896
PX3 (140)	5911	5913	20170101090421.896	20170101090422.325
PX3 (140)	5913	5915	20170101090422.325	20170101090422.759
PX3 (140)	5916	5918	20170101090422.974	20170101090423.407
PX3 (140)	5918	5920	20170101090423.407	20170101090423.837
PX3 (140)	5920	5923	20170101090423.837	20170101090424.489
PX3 (140)	5923	5931	20170101090424.489	20170101090426.220
PX3 (140)	5933	5935	20170101090426.649	20170101090428.595
PX3 (140)	5939	5941	20170101090429.462	20170101090429.892
PX3 (140)	5944	5946	20170101090430.544	20170101090430.974
PX3 (140)	5948	5953	20170101090431.407	20170101090432.489
PX3 (140)	5953	5956	20170101090432.489	20170101090433.138
PX3 (140)	5957	5961	20170101090433.353	20170101090434.216
PX3 (140)	5964	5966	20170101090434.868	20170101090436.814
PX3 (140)	5968	5971	20170101090437.243	20170101090437.892
PX3 (140)	5971	5975	20170101090437.892	20170101090438.759
PX3 (140)	5975	5978	20170101090438.759	20170101090439.407
PX3 (140)	5979	5982	20170101090439.622	20170101090440.271
PX3 (140)	5987	5989	20170101090441.353	20170101090441.786
PX3 (140)	5989	5991	20170101090441.786	20170101090442.216
PX3 (140)	5997	5999	20170101090445.028	20170101090445.458
PX3 (140)	6000	6002	20170101090445.677	20170101090446.110
PX3 (140)	6019	6021	20170101090449.782	20170101090450.216
PX3 (140)	6027	6030	20170101090453.028	20170101090453.677
PX3 (140)	6031	6033	20170101090453.892	20170101090454.325
PX3 (140)	6038	6040	20170101090455.407	20170101090455.837
PX3 (140)	6041	6043	20170101090456.056	20170101090456.489
PX3 (140)	6056	6058	20170101090500.813	20170101090501.243
PX3 (140)	6058	6060	20170101090501.243	20170101090501.677
PX3 (140)	6062	6064	20170101090502.110	20170101090502.540
PX3 (140)	6064	6066	20170101090502.540	20170101090502.974
PX3 (140)	6066	6068	20170101090502.974	20170101090503.407
PX3 (140)	6070	6072	20170101090503.837	20170101090504.270
PX3 (140)	6072	6074	20170101090504.270	20170101090504.704
PX3 (140)	6075	6077	20170101090504.919	20170101090505.353
PX3 (140)	6078	6081	20170101090505.567	20170101090506.216
PX3 (140)	6084	6086	20170101090506.864	20170101090508.810
PX3 (140)	6092	6096	20170101090510.106	20170101090510.974
PX3 (140)	6097	6099	20170101090511.188	20170101090511.622
PX3 (140)	6099	6101	20170101090511.622	20170101090512.056
PX3 (140)	6101	6103	20170101090512.056	20170101090512.485
PX3 (140)	6103	6109	20170101090512.485	20170101090513.786
PX3 (140)	6109	6123	20170101090513.786	20170101090518.325
PX3 (140)	6123	6205	20170101090518.325	20170101090540.595
PX3 (140)	6205	6211	20170101090540.595	20170101090541.891
PX3 (140)	6211	6213	20170101090541.891	20170101090542.325
PX3 (140)	6213	6253	20170101090542.325	20170101090552.485
PX3 (140)	6253	6259	20170101090552.485	20170101090553.782
PX3 (140)	6260	6264	20170101090554.001	20170101090554.864
PX3 (140)	6265	6269	20170101090556.595	20170101090557.458
PX3 (140)	6270	6272	20170101090557.673	20170101090558.106
PX3 (140)	6272	6274	20170101090558.106	20170101090558.540

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	6279	6281	20170101090559.622	20170101090600.052
PX3 (140)	6282	6284	20170101090600.270	20170101090600.700
PX3 (140)	6284	6286	20170101090600.700	20170101090601.134
PX3 (140)	6287	6291	20170101090601.348	20170101090602.216
PX3 (140)	6292	6295	20170101090602.431	20170101090604.595
PX3 (140)	6295	6297	20170101090604.595	20170101090605.024
PX3 (140)	6297	6299	20170101090605.024	20170101090605.458
PX3 (140)	6301	6303	20170101090605.891	20170101090606.321
PX3 (140)	6303	6306	20170101090606.321	20170101090606.973
PX3 (140)	6311	6314	20170101090608.052	20170101090608.700
PX3 (140)	6314	6318	20170101090608.700	20170101090609.567
PX3 (140)	6318	6320	20170101090609.567	20170101090609.997
PX3 (140)	6320	6322	20170101090609.997	20170101090610.430
PX3 (140)	6324	6326	20170101090610.864	20170101090612.809
PX3 (140)	6326	6606	20170101090612.809	20170101090726.969
PX3 (140)	6607	6613	20170101090727.184	20170101090728.481
PX3 (140)	6613	6619	20170101090728.481	20170101090729.778
PX3 (140)	6620	6622	20170101090729.997	20170101090730.430
PX3 (140)	6624	6626	20170101090730.860	20170101090732.805
PX3 (140)	6627	6630	20170101090733.024	20170101090733.672
PX3 (140)	6631	6635	20170101090733.887	20170101090734.755
PX3 (140)	6637	6639	20170101090735.184	20170101090735.618
PX3 (140)	6639	6644	20170101090735.618	20170101090736.700
PX3 (140)	6644	6647	20170101090736.700	20170101090737.348
PX3 (140)	6648	6650	20170101090737.563	20170101090737.997
PX3 (140)	6651	6655	20170101090738.212	20170101090740.590
PX3 (140)	6659	6661	20170101090741.454	20170101090741.887
PX3 (140)	6661	6663	20170101090741.887	20170101090742.321
PX3 (140)	6665	6669	20170101090742.751	20170101090743.618
PX3 (140)	6670	6672	20170101090743.833	20170101090744.266
PX3 (140)	6673	6675	20170101090744.481	20170101090744.915
PX3 (140)	6676	6678	20170101090745.129	20170101090745.563
PX3 (140)	6680	6686	20170101090745.997	20170101090748.805
PX3 (140)	6686	6688	20170101090748.805	20170101090749.239
PX3 (140)	6693	6695	20170101090750.321	20170101090750.754
PX3 (140)	6697	6699	20170101090751.184	20170101090751.618
PX3 (140)	6700	6702	20170101090751.833	20170101090752.266
PX3 (140)	6705	7591	20170101090752.915	20170101091149.879
PX3 (140)	7592	7594	20170101091150.098	20170101091150.527
PX3 (140)	7594	7596	20170101091150.527	20170101091150.961
PX3 (140)	7596	7613	20170101091150.961	20170101091154.637
PX3 (140)	7613	7615	20170101091154.637	20170101091156.582
PX3 (140)	7624	7628	20170101091158.527	20170101091159.395
PX3 (140)	7648	7650	20170101091205.230	20170101091205.664
PX3 (140)	7755	7757	20170101091232.906	20170101091233.340
PX3 (140)	7760	7762	20170101091233.988	20170101091234.422
PX3 (140)	7783	7785	20170101091240.473	20170101091240.906
PX3 (140)	7787	7789	20170101091241.340	20170101091241.769
PX3 (140)	7790	7792	20170101091241.988	20170101091242.418
PX3 (140)	7794	7858	20170101091242.851	20170101091301.230
PX3 (140)	7859	7861	20170101091301.445	20170101091301.879
PX3 (140)	7861	7863	20170101091301.879	20170101091302.312
PX3 (140)	7865	7867	20170101091302.742	20170101091303.176
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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	7868	7874	20170101091303.390	20170101091304.691
PX3 (140)	7875	7877	20170101091304.906	20170101091305.336
PX3 (140)	7877	7885	20170101091305.336	20170101091308.582
PX3 (140)	7885	7887	20170101091308.582	20170101091309.015
PX3 (140)	7896	7898	20170101091310.957	20170101091311.390
PX3 (140)	7898	7900	20170101091311.390	20170101091311.824
PX3 (140)	7903	7906	20170101091312.472	20170101091313.121
PX3 (140)	7906	7908	20170101091313.121	20170101091313.555
PX3 (140)	7917	7919	20170101091317.012	20170101091317.445
PX3 (140)	8101	8103	20170101091405.875	20170101091406.308
PX3 (140)	8107	8109	20170101091407.172	20170101091407.605
PX3 (140)	8123	8125	20170101091410.633	20170101091412.578
PX3 (140)	8147	8149	20170101091417.336	20170101091417.769
PX4 (145)	5779	5781	20170101063808.085	20170101063808.519
PX4 (145)	5782	5796	20170101063808.737	20170101063813.276
PX4 (145)	5796	5799	20170101063813.276	20170101063813.925
PX4 (145)	5799	5802	20170101063813.925	20170101063814.573
PX4 (145)	5806	5808	20170101063815.440	20170101063815.870
PX4 (145)	5853	5855	20170101063828.628	20170101063829.058
PX4 (145)	5858	5860	20170101063829.706	20170101063830.140
PX4 (145)	5883	5886	20170101063836.628	20170101063837.276
PX4 (145)	5887	5917	20170101063837.491	20170101063845.491
PX4 (145)	5917	5919	20170101063845.491	20170101063845.925
PX4 (145)	5961	5963	20170101063856.519	20170101063856.948
PX4 (145)	5967	5970	20170101063857.815	20170101063858.464
PX4 (145)	5970	5973	20170101063858.464	20170101063900.628
PX4 (145)	5973	5975	20170101063900.628	20170101063901.058
PX4 (145)	5975	5978	20170101063901.058	20170101063901.706
PX4 (145)	5980	5983	20170101063902.140	20170101063902.788
PX4 (145)	5985	5989	20170101063903.222	20170101063904.085
PX4 (145)	5990	5994	20170101063904.300	20170101063905.167
PX4 (145)	5995	6047	20170101063905.382	20170101063919.651
PX4 (145)	6047	6050	20170101063919.651	20170101063920.300
PX4 (145)	6052	6054	20170101063920.733	20170101063921.167
PX4 (145)	6057	6059	20170101063921.815	20170101063922.249
PX4 (145)	6059	6061	20170101063922.249	20170101063922.679
PX4 (145)	6063	9688	20170101063924.624	20170101065530.004
PX4 (145)	8933	8936	20170101080457.776	20170101080458.425
PX4 (145)	8938	8964	20170101080458.858	20170101080505.991
PX4 (145)	8964	8967	20170101080505.991	20170101080506.639
PX4 (145)	9025	9027	20170101080522.206	20170101080522.639
PX4 (145)	9027	9088	20170101080522.639	20170101080538.854
PX4 (145)	9089	9091	20170101080540.585	20170101080541.018
PX4 (145)	9121	9123	20170101080549.018	20170101080549.448
PX4 (145)	9125	9128	20170101080549.881	20170101080550.530
PX4 (145)	9131	9135	20170101080551.178	20170101080552.046
PX4 (145)	9135	9141	20170101080552.046	20170101080553.342
PX4 (145)	9142	9144	20170101080553.557	20170101080553.991
PX4 (145)	9144	9148	20170101080553.991	20170101080554.854
PX4 (145)	9148	9152	20170101080554.854	20170101080557.233
PX4 (145)	9153	9196	20170101080557.452	20170101080608.260
PX4 (145)	9196	9199	20170101080608.260	20170101080608.909
PX4 (145)	9199	9204	20170101080608.909	20170101080609.991

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	9204	9208	20170101080609.991	20170101080610.854
PX4 (145)	9209	9211	20170101080612.585	20170101080613.018
PX4 (145)	9211	9213	20170101080613.018	20170101080613.448
PX4 (145)	9213	9232	20170101080613.448	20170101080617.557
PX4 (145)	9232	9234	20170101080617.557	20170101080617.991
PX4 (145)	9234	9239	20170101080617.991	20170101080620.585
PX4 (145)	9242	9244	20170101080621.233	20170101080621.667
PX4 (145)	9248	9250	20170101080622.530	20170101080622.963
PX4 (145)	9250	9252	20170101080622.963	20170101080623.397
PX4 (145)	9252	9330	20170101080623.397	20170101080644.799
PX4 (145)	9334	9336	20170101080645.663	20170101080646.096
PX4 (145)	9336	9340	20170101080646.096	20170101080646.959
PX4 (145)	9341	9344	20170101080647.178	20170101080647.827
PX4 (145)	9344	9349	20170101080647.827	20170101080648.909
PX4 (145)	9349	9431	20170101080648.909	20170101080711.186
PX4 (145)	9431	9433	20170101080711.186	20170101080711.620
PX4 (145)	9436	9438	20170101080712.272	20170101080712.709
PX4 (145)	9441	9447	20170101080713.358	20170101080714.663
PX4 (145)	9447	10169	20170101080714.663	20170101081028.618
PX4 (145)	11120	11123	20170101081441.149	20170101081441.797
PX4 (145)	11128	11130	20170101081442.879	20170101081444.824
PX4 (145)	11185	11187	20170101081458.231	20170101081458.664
PX4 (145)	11187	11220	20170101081458.664	20170101081508.824
PX4 (145)	11220	11224	20170101081508.824	20170101081509.691
PX4 (145)	11259	11309	20170101081518.770	20170101081532.609
PX4 (145)	11314	11316	20170101081533.687	20170101081534.121
PX4 (145)	11318	11320	20170101081534.555	20170101081534.984
PX4 (145)	11324	11453	20170101081535.852	20170101081609.797
PX4 (145)	11454	11458	20170101081610.012	20170101081610.875
PX4 (145)	11458	13980	20170101081610.875	20170101082724.803
PX4 (145)	13989	13991	20170101082726.748	20170101082727.182
PX4 (145)	13991	13994	20170101082727.182	20170101082727.830
PX4 (145)	13994	14001	20170101082727.830	20170101082729.342
PX4 (145)	14001	14004	20170101082729.342	20170101082729.994
PX4 (145)	14004	14006	20170101082729.994	20170101082730.424
PX4 (145)	14007	14009	20170101082730.639	20170101082732.588
PX4 (145)	5334	5336	20170101090146.869	20170101090148.818
PX4 (145)	5338	5340	20170101090149.251	20170101090149.681
PX4 (145)	5340	5342	20170101090149.681	20170101090150.115
PX4 (145)	5343	5345	20170101090150.330	20170101090150.763
PX4 (145)	5350	5354	20170101090151.845	20170101090152.708
PX4 (145)	5355	5357	20170101090152.923	20170101090153.357
PX4 (145)	5360	5362	20170101090154.005	20170101090154.439
PX4 (145)	5366	5368	20170101090156.818	20170101090157.247
PX4 (145)	5370	5373	20170101090157.681	20170101090158.330
PX4 (145)	5373	5377	20170101090158.330	20170101090159.197
PX4 (145)	5377	5379	20170101090159.197	20170101090159.626
PX4 (145)	5381	5383	20170101090200.060	20170101090200.494
PX4 (145)	5384	5386	20170101090200.708	20170101090201.142
PX4 (145)	5388	5390	20170101090201.572	20170101090202.005
PX4 (145)	5390	5392	20170101090202.005	20170101090202.439
PX4 (145)	5392	5395	20170101090202.439	20170101090204.599
PX4 (145)	5417	5420	20170101090209.357	20170101090210.005

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	5423	5425	20170101090210.654	20170101090212.599
PX4 (145)	5427	5433	20170101090213.033	20170101090214.329
PX4 (145)	5435	5445	20170101090214.763	20170101090216.923
PX4 (145)	5445	5448	20170101090216.923	20170101090217.572
PX4 (145)	5450	5453	20170101090218.005	20170101090218.654
PX4 (145)	5455	5457	20170101090220.599	20170101090221.033
PX4 (145)	5457	5467	20170101090221.033	20170101090223.193
PX4 (145)	5468	5476	20170101090223.411	20170101090225.142
PX4 (145)	5476	5478	20170101090225.142	20170101090225.572
PX4 (145)	5479	5484	20170101090225.786	20170101090226.869
PX4 (145)	5487	5489	20170101090229.033	20170101090229.466
PX4 (145)	5492	5496	20170101090230.111	20170101090230.978
PX4 (145)	5499	5504	20170101090231.626	20170101090232.708
PX4 (145)	5512	5514	20170101090234.435	20170101090234.868
PX4 (145)	5516	5518	20170101090236.814	20170101090237.247
PX4 (145)	5530	5532	20170101090239.841	20170101090240.275
PX4 (145)	5533	5535	20170101090240.490	20170101090240.923
PX4 (145)	5545	5547	20170101090244.599	20170101090245.033
PX4 (145)	5554	5556	20170101090246.544	20170101090246.978
PX4 (145)	5563	5565	20170101090248.490	20170101090248.923
PX4 (145)	5566	5568	20170101090249.138	20170101090249.572
PX4 (145)	5847	5849	20170101090405.028	20170101090405.462
PX4 (145)	5863	5865	20170101090408.489	20170101090408.923
PX4 (145)	5865	5867	20170101090408.923	20170101090409.353
PX4 (145)	5871	5873	20170101090410.220	20170101090410.650
PX4 (145)	5876	5878	20170101090412.814	20170101090413.247
PX4 (145)	5879	5881	20170101090413.462	20170101090413.892
PX4 (145)	5881	5884	20170101090413.892	20170101090414.544
PX4 (145)	5887	5893	20170101090415.189	20170101090416.489
PX4 (145)	5893	5895	20170101090416.489	20170101090416.919
PX4 (145)	5895	5897	20170101090416.919	20170101090417.353
PX4 (145)	5898	5903	20170101090417.571	20170101090418.650
PX4 (145)	5906	5908	20170101090420.814	20170101090421.243
PX4 (145)	5909	5912	20170101090421.462	20170101090422.110
PX4 (145)	5913	5915	20170101090422.325	20170101090422.759
PX4 (145)	5915	5917	20170101090422.759	20170101090423.192
PX4 (145)	5918	5921	20170101090423.407	20170101090424.056
PX4 (145)	5921	5923	20170101090424.056	20170101090424.489
PX4 (145)	5923	5925	20170101090424.489	20170101090424.919
PX4 (145)	5925	5928	20170101090424.919	20170101090425.567
PX4 (145)	5934	5936	20170101090426.864	20170101090428.814
PX4 (145)	5937	5939	20170101090429.028	20170101090429.462
PX4 (145)	5939	5943	20170101090429.462	20170101090430.325
PX4 (145)	5943	5947	20170101090430.325	20170101090431.189
PX4 (145)	5950	5954	20170101090431.841	20170101090432.704
PX4 (145)	5956	5959	20170101090433.138	20170101090433.786
PX4 (145)	5963	5966	20170101090434.649	20170101090436.814
PX4 (145)	5968	5972	20170101090437.243	20170101090438.110
PX4 (145)	5972	5974	20170101090438.110	20170101090438.540
PX4 (145)	5976	5978	20170101090438.974	20170101090439.407
PX4 (145)	5983	5985	20170101090440.489	20170101090440.919
PX4 (145)	5988	5991	20170101090441.567	20170101090442.216
PX4 (145)	5996	5999	20170101090444.814	20170101090445.458

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	6003	6005	20170101090446.325	20170101090446.759
PX4 (145)	6007	6009	20170101090447.188	20170101090447.622
PX4 (145)	6012	6014	20170101090448.271	20170101090448.704
PX4 (145)	6016	6018	20170101090449.138	20170101090449.567
PX4 (145)	6022	6024	20170101090450.435	20170101090450.864
PX4 (145)	6024	6026	20170101090450.864	20170101090452.810
PX4 (145)	6028	6030	20170101090453.243	20170101090453.677
PX4 (145)	6031	6033	20170101090453.892	20170101090454.325
PX4 (145)	6036	6038	20170101090454.974	20170101090455.407
PX4 (145)	6046	6048	20170101090457.134	20170101090457.567
PX4 (145)	6058	6060	20170101090501.243	20170101090501.677
PX4 (145)	6060	6062	20170101090501.677	20170101090502.110
PX4 (145)	6063	6065	20170101090502.325	20170101090502.755
PX4 (145)	6065	6069	20170101090502.755	20170101090503.622
PX4 (145)	6069	6074	20170101090503.622	20170101090504.704
PX4 (145)	6075	6077	20170101090504.919	20170101090505.353
PX4 (145)	6077	6079	20170101090505.353	20170101090505.782
PX4 (145)	6080	6083	20170101090506.001	20170101090506.649
PX4 (145)	6083	6085	20170101090506.649	20170101090508.595
PX4 (145)	6085	6087	20170101090508.595	20170101090509.028
PX4 (145)	6089	6091	20170101090509.462	20170101090509.892
PX4 (145)	6093	6100	20170101090510.325	20170101090511.837
PX4 (145)	6100	6102	20170101090511.837	20170101090512.270
PX4 (145)	6102	6105	20170101090512.270	20170101090512.919
PX4 (145)	6106	6212	20170101090513.134	20170101090542.106
PX4 (145)	6212	6250	20170101090542.106	20170101090551.837
PX4 (145)	6250	6253	20170101090551.837	20170101090552.485
PX4 (145)	6255	6257	20170101090552.919	20170101090553.349
PX4 (145)	6257	6259	20170101090553.349	20170101090553.782
PX4 (145)	6262	6265	20170101090554.431	20170101090556.595
PX4 (145)	6265	6267	20170101090556.595	20170101090557.024
PX4 (145)	6268	6270	20170101090557.243	20170101090557.673
PX4 (145)	6271	6273	20170101090557.891	20170101090558.325
PX4 (145)	6278	6281	20170101090559.407	20170101090600.052
PX4 (145)	6283	6286	20170101090600.485	20170101090601.134
PX4 (145)	6286	6291	20170101090601.134	20170101090602.216
PX4 (145)	6293	6296	20170101090602.649	20170101090604.809
PX4 (145)	6296	6298	20170101090604.809	20170101090605.243
PX4 (145)	6300	6302	20170101090605.673	20170101090606.106
PX4 (145)	6302	6305	20170101090606.106	20170101090606.755
PX4 (145)	6305	6307	20170101090606.755	20170101090607.188
PX4 (145)	6309	6311	20170101090607.618	20170101090608.052
PX4 (145)	6312	6314	20170101090608.270	20170101090608.700
PX4 (145)	6314	6322	20170101090608.700	20170101090610.430
PX4 (145)	6323	6333	20170101090610.645	20170101090614.321
PX4 (145)	6333	6342	20170101090614.321	20170101090616.266
PX4 (145)	6342	6606	20170101090616.266	20170101090726.969
PX4 (145)	6606	6613	20170101090726.969	20170101090728.481
PX4 (145)	6613	6615	20170101090728.481	20170101090728.915
PX4 (145)	6615	6617	20170101090728.915	20170101090729.348
PX4 (145)	6621	6623	20170101090730.212	20170101090730.645
PX4 (145)	6625	6633	20170101090732.590	20170101090734.321
PX4 (145)	6635	6637	20170101090734.755	20170101090735.184
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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	6639	6641	20170101090735.618	20170101090736.051
PX4 (145)	6641	6645	20170101090736.051	20170101090736.915
PX4 (145)	6646	6650	20170101090737.130	20170101090737.997
PX4 (145)	6652	6654	20170101090738.426	20170101090738.860
PX4 (145)	6655	6657	20170101090740.590	20170101090741.024
PX4 (145)	6657	6660	20170101090741.024	20170101090741.672
PX4 (145)	6663	6665	20170101090742.321	20170101090742.751
PX4 (145)	6671	6674	20170101090744.047	20170101090744.700
PX4 (145)	6674	6676	20170101090744.700	20170101090745.129
PX4 (145)	6676	6684	20170101090745.129	20170101090746.860
PX4 (145)	6686	6688	20170101090748.805	20170101090749.239
PX4 (145)	6693	6696	20170101090750.321	20170101090750.969
PX4 (145)	6697	6700	20170101090751.184	20170101090751.833
PX4 (145)	6700	6704	20170101090751.833	20170101090752.700
PX4 (145)	6705	7591	20170101090752.915	20170101091149.879
PX4 (145)	7591	7595	20170101091149.879	20170101091150.746
PX4 (145)	7595	7598	20170101091150.746	20170101091151.395
PX4 (145)	7598	7600	20170101091151.395	20170101091151.824
PX4 (145)	7600	7603	20170101091151.824	20170101091152.477
PX4 (145)	7603	7611	20170101091152.477	20170101091154.203
PX4 (145)	7611	7613	20170101091154.203	20170101091154.637
PX4 (145)	7613	7615	20170101091154.637	20170101091156.582
PX4 (145)	7615	7617	20170101091156.582	20170101091157.016
PX4 (145)	7618	7620	20170101091157.230	20170101091157.664
PX4 (145)	7625	7627	20170101091158.746	20170101091159.176
PX4 (145)	7628	7630	20170101091159.395	20170101091159.828
PX4 (145)	7760	7762	20170101091233.988	20170101091234.422
PX4 (145)	7763	7765	20170101091234.637	20170101091236.582
PX4 (145)	7767	7770	20170101091237.016	20170101091237.664
PX4 (145)	7776	7778	20170101091238.961	20170101091239.391
PX4 (145)	7784	7786	20170101091240.691	20170101091241.121
PX4 (145)	7786	7788	20170101091241.121	20170101091241.555
PX4 (145)	7789	7791	20170101091241.769	20170101091242.203
PX4 (145)	7794	7861	20170101091242.851	20170101091301.879
PX4 (145)	7861	7865	20170101091301.879	20170101091302.742
PX4 (145)	7865	7867	20170101091302.742	20170101091303.176
PX4 (145)	7867	7870	20170101091303.176	20170101091303.824
PX4 (145)	7871	7873	20170101091304.039	20170101091304.473
PX4 (145)	7873	7876	20170101091304.473	20170101091305.121
PX4 (145)	7876	7880	20170101091305.121	20170101091305.988
PX4 (145)	7880	7882	20170101091305.988	20170101091306.418
PX4 (145)	7883	7885	20170101091306.637	20170101091308.582
PX4 (145)	7891	7893	20170101091309.879	20170101091310.312
PX4 (145)	7895	7897	20170101091310.742	20170101091311.176
PX4 (145)	7897	7899	20170101091311.176	20170101091311.609
PX4 (145)	7910	7912	20170101091313.984	20170101091314.418
PX4 (145)	8098	8100	20170101091405.226	20170101091405.660
PX4 (145)	8106	8109	20170101091406.957	20170101091407.605
IMG (150)	9453	9455	20170101063808.519	20170101063808.952
IMG (150)	9456	9464	20170101063809.167	20170101063810.898
IMG (150)	9464	9473	20170101063810.898	20170101063813.491
IMG (150)	9473	9476	20170101063813.491	20170101063814.140
IMG (150)	9478	9480	20170101063814.573	20170101063815.003

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	9524	9526	20170101063825.167	20170101063825.601
IMG (150)	9528	9530	20170101063826.034	20170101063826.464
IMG (150)	9540	9542	20170101063829.276	20170101063829.706
IMG (150)	9567	9569	20170101063835.331	20170101063835.979
IMG (150)	9572	9574	20170101063836.843	20170101063837.276
IMG (150)	9575	9609	20170101063837.491	20170101063845.491
IMG (150)	9609	9611	20170101063845.491	20170101063845.925
IMG (150)	9611	9613	20170101063845.925	20170101063846.354
IMG (150)	9658	9660	20170101063856.733	20170101063857.167
IMG (150)	9660	9662	20170101063857.167	20170101063857.601
IMG (150)	9662	9664	20170101063857.601	20170101063858.030
IMG (150)	9665	9667	20170101063858.245	20170101063858.679
IMG (150)	9667	9671	20170101063858.679	20170101063859.976
IMG (150)	9671	9674	20170101063859.976	20170101063900.843
IMG (150)	9674	9676	20170101063900.843	20170101063901.272
IMG (150)	9676	9679	20170101063901.272	20170101063901.925
IMG (150)	9679	9681	20170101063901.925	20170101063902.354
IMG (150)	9683	9686	20170101063902.788	20170101063903.436
IMG (150)	9686	9688	20170101063903.436	20170101063903.870
IMG (150)	9688	9692	20170101063903.870	20170101063904.733
IMG (150)	9695	9698	20170101063905.382	20170101063906.030
IMG (150)	9698	9753	20170101063906.030	20170101063919.222
IMG (150)	9753	9756	20170101063919.222	20170101063919.866
IMG (150)	9757	9759	20170101063920.085	20170101063920.518
IMG (150)	9762	9765	20170101063921.167	20170101063921.815
IMG (150)	9770	9772	20170101063922.893	20170101063923.546
IMG (150)	9772	9776	20170101063923.546	20170101063924.843
IMG (150)	9777	9779	20170101063925.057	20170101063925.491
IMG (150)	9779	13880	20170101063925.491	20170101065530.004
IMG (150)	15177	15179	20170101080450.210	20170101080450.639
IMG (150)	15211	15213	20170101080458.210	20170101080458.639
IMG (150)	15214	15245	20170101080458.858	20170101080506.206
IMG (150)	15245	15247	20170101080506.206	20170101080506.639
IMG (150)	15314	15316	20170101080522.425	20170101080522.858
IMG (150)	15316	15387	20170101080522.858	20170101080539.936
IMG (150)	15387	15390	20170101080539.936	20170101080540.799
IMG (150)	15429	15431	20170101080549.881	20170101080550.315
IMG (150)	15434	15436	20170101080550.964	20170101080551.397
IMG (150)	15436	15438	20170101080551.397	20170101080551.827
IMG (150)	15442	15444	20170101080552.694	20170101080553.128
IMG (150)	15444	15448	20170101080553.128	20170101080553.991
IMG (150)	15448	15450	20170101080553.991	20170101080554.424
IMG (150)	15450	15454	20170101080554.424	20170101080555.503
IMG (150)	15454	15457	20170101080555.503	20170101080556.585
IMG (150)	15458	15460	20170101080556.799	20170101080557.233
IMG (150)	15460	15463	20170101080557.233	20170101080557.881
IMG (150)	15463	15502	20170101080557.881	20170101080606.963
IMG (150)	15503	15505	20170101080607.178	20170101080607.612
IMG (150)	15505	15510	20170101080607.612	20170101080608.694
IMG (150)	15511	15513	20170101080608.909	20170101080609.342
IMG (150)	15519	15521	20170101080610.639	20170101080611.288
IMG (150)	15526	15528	20170101080612.799	20170101080613.233
IMG (150)	15528	15533	20170101080613.233	20170101080614.315
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APID	Seq from	Seq to	Time from	Time to
IMG (150)	15533	15550	20170101080614.315	20170101080617.991
IMG (150)	15551	15558	20170101080618.206	20170101080620.151
IMG (150)	15561	15563	20170101080621.014	20170101080621.448
IMG (150)	15563	15565	20170101080621.448	20170101080621.881
IMG (150)	15565	15568	20170101080621.881	20170101080622.530
IMG (150)	15570	15655	20170101080622.963	20170101080642.635
IMG (150)	15655	15658	20170101080642.635	20170101080643.502
IMG (150)	15658	15660	20170101080643.502	20170101080644.151
IMG (150)	15662	15664	20170101080644.799	20170101080645.233
IMG (150)	15666	15668	20170101080645.663	20170101080646.096
IMG (150)	15668	15670	20170101080646.096	20170101080646.530
IMG (150)	15670	15673	20170101080646.530	20170101080647.178
IMG (150)	15674	15676	20170101080647.393	20170101080647.827
IMG (150)	15676	15680	20170101080647.827	20170101080648.690
IMG (150)	15681	15775	20170101080648.909	20170101080711.186
IMG (150)	15775	15777	20170101080711.186	20170101080711.620
IMG (150)	15777	15779	20170101080711.620	20170101080712.057
IMG (150)	15779	15781	20170101080712.057	20170101080712.491
IMG (150)	15783	15785	20170101080712.924	20170101080713.358
IMG (150)	15786	15788	20170101080713.577	20170101080714.010
IMG (150)	15793	15798	20170101080715.315	20170101080716.834
IMG (150)	15798	225	20170101080716.834	20170101081027.321
IMG (150)	1304	1306	20170101081441.149	20170101081441.582
IMG (150)	1312	1314	20170101081442.879	20170101081443.527
IMG (150)	1315	1319	20170101081443.961	20170101081445.043
IMG (150)	1321	1323	20170101081445.473	20170101081445.906
IMG (150)	1326	1328	20170101081446.555	20170101081446.988
IMG (150)	1377	1380	20170101081458.231	20170101081458.879
IMG (150)	1380	1421	20170101081458.879	20170101081509.039
IMG (150)	1421	1423	20170101081509.039	20170101081509.473
IMG (150)	1458	1460	20170101081517.688	20170101081518.121
IMG (150)	1461	1463	20170101081518.340	20170101081518.770
IMG (150)	1463	1465	20170101081518.770	20170101081519.203
IMG (150)	1466	1517	20170101081519.418	20170101081531.312
IMG (150)	1517	1522	20170101081531.312	20170101081532.824
IMG (150)	1533	1535	20170101081535.203	20170101081535.637
IMG (150)	1535	1539	20170101081535.637	20170101081536.500
IMG (150)	1539	1541	20170101081536.500	20170101081536.934
IMG (150)	1541	1677	20170101081536.934	20170101081608.930
IMG (150)	1677	1681	20170101081608.930	20170101081609.797
IMG (150)	1682	1685	20170101081610.012	20170101081610.660
IMG (150)	1686	4543	20170101081610.875	20170101082723.287
IMG (150)	4546	4548	20170101082724.155	20170101082724.803
IMG (150)	4553	4555	20170101082725.885	20170101082726.315
IMG (150)	4562	4565	20170101082727.830	20170101082728.479
IMG (150)	4565	4567	20170101082728.479	20170101082728.912
IMG (150)	4568	4574	20170101082729.127	20170101082730.424
IMG (150)	13317	13321	20170101090147.951	20170101090149.033
IMG (150)	13321	13324	20170101090149.033	20170101090149.681
IMG (150)	13324	13326	20170101090149.681	20170101090150.115
IMG (150)	13327	13329	20170101090150.330	20170101090150.763
IMG (150)	13330	13332	20170101090150.978	20170101090151.412
IMG (150)	13333	13335	20170101090151.626	20170101090152.060

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	13340	13342	20170101090153.142	20170101090153.576
IMG (150)	13342	13344	20170101090153.576	20170101090154.005
IMG (150)	13345	13352	20170101090154.220	20170101090156.169
IMG (150)	13353	13355	20170101090156.599	20170101090157.033
IMG (150)	13357	13360	20170101090157.466	20170101090158.115
IMG (150)	13362	13367	20170101090158.544	20170101090159.626
IMG (150)	13367	13371	20170101090159.626	20170101090200.494
IMG (150)	13373	13376	20170101090200.923	20170101090201.572
IMG (150)	13380	13383	20170101090202.439	20170101090203.302
IMG (150)	13387	13389	20170101090204.599	20170101090205.033
IMG (150)	13396	13399	20170101090206.548	20170101090207.193
IMG (150)	13410	13413	20170101090209.576	20170101090210.220
IMG (150)	13413	13415	20170101090210.220	20170101090210.654
IMG (150)	13415	13418	20170101090210.654	20170101090211.517
IMG (150)	13418	13421	20170101090211.517	20170101090212.599
IMG (150)	13421	13424	20170101090212.599	20170101090213.247
IMG (150)	13424	13428	20170101090213.247	20170101090214.115
IMG (150)	13428	13430	20170101090214.115	20170101090214.544
IMG (150)	13430	13433	20170101090214.544	20170101090215.197
IMG (150)	13435	13439	20170101090215.626	20170101090216.494
IMG (150)	13439	13441	20170101090216.494	20170101090216.923
IMG (150)	13442	13445	20170101090217.142	20170101090217.790
IMG (150)	13445	13447	20170101090217.790	20170101090218.220
IMG (150)	13447	13449	20170101090218.220	20170101090218.654
IMG (150)	13449	13452	20170101090218.654	20170101090219.521
IMG (150)	13452	13457	20170101090219.521	20170101090221.033
IMG (150)	13457	13459	20170101090221.033	20170101090221.466
IMG (150)	13459	13461	20170101090221.466	20170101090221.896
IMG (150)	13461	13466	20170101090221.896	20170101090222.978
IMG (150)	13466	13472	20170101090222.978	20170101090224.275
IMG (150)	13472	13475	20170101090224.275	20170101090224.923
IMG (150)	13475	13477	20170101090224.923	20170101090225.357
IMG (150)	13478	13480	20170101090225.572	20170101090226.005
IMG (150)	13481	13485	20170101090226.220	20170101090227.302
IMG (150)	13488	13490	20170101090228.169	20170101090228.814
IMG (150)	13499	13501	20170101090230.763	20170101090231.193
IMG (150)	13508	13510	20170101090232.708	20170101090233.138
IMG (150)	13514	13516	20170101090234.005	20170101090234.435
IMG (150)	13536	13538	20170101090239.411	20170101090239.841
IMG (150)	13541	13544	20170101090240.490	20170101090241.138
IMG (150)	13554	13556	20170101090243.517	20170101090244.165
IMG (150)	13563	13565	20170101090245.896	20170101090246.329
IMG (150)	13568	13570	20170101090246.978	20170101090247.411
IMG (150)	13573	13575	20170101090248.060	20170101090248.490
IMG (150)	13890	13892	20170101090402.435	20170101090402.868
IMG (150)	13912	13914	20170101090407.841	20170101090408.271
IMG (150)	13936	13939	20170101090413.677	20170101090414.325
IMG (150)	13939	13941	20170101090414.325	20170101090414.759
IMG (150)	13947	13949	20170101090416.056	20170101090416.489
IMG (150)	13949	13951	20170101090416.489	20170101090416.919
IMG (150)	13951	13956	20170101090416.919	20170101090418.001
IMG (150)	13956	13958	20170101090418.001	20170101090418.435
IMG (150)	13958	13963	20170101090418.435	20170101090419.946

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	13963	13966	20170101090419.946	20170101090420.814
IMG (150)	13968	13970	20170101090421.243	20170101090421.677
IMG (150)	13973	13975	20170101090422.325	20170101090422.759
IMG (150)	13975	13977	20170101090422.759	20170101090423.192
IMG (150)	13977	13981	20170101090423.192	20170101090424.056
IMG (150)	13981	13984	20170101090424.056	20170101090424.704
IMG (150)	13984	13987	20170101090424.704	20170101090425.353
IMG (150)	13990	13992	20170101090426.001	20170101090426.435
IMG (150)	13992	13994	20170101090426.435	20170101090426.864
IMG (150)	13995	13997	20170101090427.298	20170101090427.946
IMG (150)	13998	14001	20170101090428.161	20170101090429.028
IMG (150)	14005	14007	20170101090429.892	20170101090430.325
IMG (150)	14007	14009	20170101090430.325	20170101090430.759
IMG (150)	14014	14016	20170101090431.841	20170101090432.271
IMG (150)	14020	14022	20170101090433.138	20170101090433.567
IMG (150)	14024	14026	20170101090434.001	20170101090434.435
IMG (150)	14027	14029	20170101090434.649	20170101090435.298
IMG (150)	14038	14040	20170101090437.677	20170101090438.110
IMG (150)	14043	14045	20170101090438.759	20170101090439.192
IMG (150)	14051	14054	20170101090440.489	20170101090441.134
IMG (150)	14055	14057	20170101090441.353	20170101090441.786
IMG (150)	14057	14059	20170101090441.786	20170101090442.216
IMG (150)	14064	14066	20170101090443.517	20170101090444.161
IMG (150)	14068	14070	20170101090444.814	20170101090445.243
IMG (150)	14079	14081	20170101090447.188	20170101090447.622
IMG (150)	14081	14083	20170101090447.622	20170101090448.056
IMG (150)	14095	14097	20170101090450.649	20170101090451.298
IMG (150)	14107	14109	20170101090453.892	20170101090454.325
IMG (150)	14109	14113	20170101090454.325	20170101090455.188
IMG (150)	14114	14116	20170101090455.407	20170101090455.837
IMG (150)	14123	14125	20170101090457.353	20170101090457.786
IMG (150)	14137	14139	20170101090501.028	20170101090501.458
IMG (150)	14140	14142	20170101090501.677	20170101090502.110
IMG (150)	14142	14144	20170101090502.110	20170101090502.540
IMG (150)	14148	14150	20170101090503.407	20170101090503.837
IMG (150)	14151	14154	20170101090504.056	20170101090504.704
IMG (150)	14155	14159	20170101090504.919	20170101090505.782
IMG (150)	14160	14162	20170101090506.001	20170101090506.435
IMG (150)	14163	14165	20170101090506.649	20170101090507.298
IMG (150)	14172	14174	20170101090509.243	20170101090509.677
IMG (150)	14175	14177	20170101090509.892	20170101090510.325
IMG (150)	14179	14181	20170101090510.759	20170101090511.188
IMG (150)	14182	14185	20170101090511.407	20170101090512.056
IMG (150)	14185	14187	20170101090512.056	20170101090512.485
IMG (150)	14187	14201	20170101090512.485	20170101090515.946
IMG (150)	14201	14223	20170101090515.946	20170101090520.919
IMG (150)	14223	14313	20170101090520.919	20170101090542.325
IMG (150)	14313	14324	20170101090542.325	20170101090544.700
IMG (150)	14325	14329	20170101090544.919	20170101090545.782
IMG (150)	14329	14345	20170101090545.782	20170101090549.891
IMG (150)	14345	14357	20170101090549.891	20170101090552.485
IMG (150)	14358	14361	20170101090552.700	20170101090553.349
IMG (150)	14361	14363	20170101090553.349	20170101090553.782

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	14363	14365	20170101090553.782	20170101090554.216
IMG (150)	14366	14368	20170101090554.431	20170101090554.864
IMG (150)	14370	14372	20170101090555.513	20170101090556.161
IMG (150)	14373	14375	20170101090556.595	20170101090557.024
IMG (150)	14384	14386	20170101090558.970	20170101090559.407
IMG (150)	14392	14394	20170101090600.700	20170101090601.134
IMG (150)	14395	14399	20170101090601.348	20170101090602.216
IMG (150)	14399	14404	20170101090602.216	20170101090603.513
IMG (150)	14406	14408	20170101090604.161	20170101090604.809
IMG (150)	14408	14410	20170101090604.809	20170101090605.243
IMG (150)	14414	14417	20170101090606.106	20170101090606.755
IMG (150)	14420	14423	20170101090607.407	20170101090608.052
IMG (150)	14424	14426	20170101090608.270	20170101090608.700
IMG (150)	14426	14428	20170101090608.700	20170101090609.134
IMG (150)	14428	14431	20170101090609.134	20170101090609.782
IMG (150)	14431	14436	20170101090609.782	20170101090610.864
IMG (150)	14436	14439	20170101090610.864	20170101090611.942
IMG (150)	14439	14453	20170101090611.942	20170101090615.188
IMG (150)	14453	14455	20170101090615.188	20170101090615.622
IMG (150)	14455	14463	20170101090615.622	20170101090617.348
IMG (150)	14463	14763	20170101090617.348	20170101090728.051
IMG (150)	14763	14766	20170101090728.051	20170101090728.700
IMG (150)	14767	14769	20170101090728.915	20170101090729.348
IMG (150)	14771	14773	20170101090729.778	20170101090730.212
IMG (150)	14780	14783	20170101090732.157	20170101090733.024
IMG (150)	14787	14789	20170101090733.887	20170101090734.321
IMG (150)	14790	14793	20170101090734.536	20170101090735.184
IMG (150)	14793	14796	20170101090735.184	20170101090735.833
IMG (150)	14797	14799	20170101090736.051	20170101090736.481
IMG (150)	14799	14804	20170101090736.481	20170101090737.563
IMG (150)	14805	14807	20170101090737.782	20170101090738.212
IMG (150)	14809	14811	20170101090738.645	20170101090739.294
IMG (150)	14814	14816	20170101090740.157	20170101090740.805
IMG (150)	14818	14821	20170101090741.239	20170101090741.887
IMG (150)	14827	14829	20170101090743.184	20170101090743.618
IMG (150)	14830	14832	20170101090743.833	20170101090744.266
IMG (150)	14835	14840	20170101090744.915	20170101090745.997
IMG (150)	14841	14846	20170101090746.212	20170101090747.508
IMG (150)	14846	14848	20170101090747.508	20170101090748.157
IMG (150)	14848	14851	20170101090748.157	20170101090749.024
IMG (150)	14856	14861	20170101090750.102	20170101090751.184
IMG (150)	14863	14866	20170101090751.618	20170101090752.266
IMG (150)	14867	14869	20170101090752.481	20170101090752.915
IMG (150)	14869	14871	20170101090752.915	20170101090753.348
IMG (150)	14872	14875	20170101090753.563	20170101090754.212
IMG (150)	14875	14878	20170101090754.212	20170101090754.860
IMG (150)	14878	15880	20170101090754.860	20170101091150.961
IMG (150)	15880	15882	20170101091150.961	20170101091151.395
IMG (150)	15882	15886	20170101091151.395	20170101091152.258
IMG (150)	15886	15889	20170101091152.258	20170101091152.906
IMG (150)	15889	15894	20170101091152.906	20170101091153.988
IMG (150)	15895	15898	20170101091154.203	20170101091154.852
IMG (150)	15901	15903	20170101091155.934	20170101091156.582

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APID	Seq from	Seq to	Time from	Time to
IMG (150)	15915	15918	20170101091159.176	20170101091159.828
IMG (150)	16048	16050	20170101091230.527	20170101091230.961
IMG (150)	16058	16060	20170101091232.691	20170101091233.121
IMG (150)	16073	16075	20170101091236.582	20170101091237.016
IMG (150)	16076	16078	20170101091237.230	20170101091237.664
IMG (150)	16097	16099	20170101091241.769	20170101091242.203
IMG (150)	16100	16102	20170101091242.418	20170101091242.851
IMG (150)	16102	16105	20170101091242.851	20170101091243.933
IMG (150)	16105	16111	20170101091243.933	20170101091245.445
IMG (150)	16111	16114	20170101091245.445	20170101091246.094
IMG (150)	16114	16172	20170101091246.094	20170101091259.500
IMG (150)	16172	16174	20170101091259.500	20170101091300.148
IMG (150)	16175	16181	20170101091300.582	20170101091301.879
IMG (150)	16185	16187	20170101091302.742	20170101091303.176
IMG (150)	16191	16194	20170101091304.039	20170101091304.691
IMG (150)	16194	16196	20170101091304.691	20170101091305.121
IMG (150)	16200	16204	20170101091305.988	20170101091306.851
IMG (150)	16206	16208	20170101091307.500	20170101091308.148
IMG (150)	16210	16212	20170101091308.797	20170101091309.230
IMG (150)	16221	16223	20170101091311.176	20170101091311.609
IMG (150)	16235	16237	20170101091314.203	20170101091314.637
IMG (150)	16241	16244	20170101091315.933	20170101091316.797
IMG (150)	16253	16255	20170101091318.742	20170101091319.176
IMG (150)	56	58	20170101091402.418	20170101091402.847
VER (160)	4655	4661	20170101063802.898	20170101063818.897
VER (160)	4667	4670	20170101063826.897	20170101063826.897
VER (160)	4673	4675	20170101063834.897	20170101063834.897
VER (160)	4675	4681	20170101063834.897	20170101063850.897
VER (160)	4685	4690	20170101063850.897	20170101063858.679
VER (160)	4690	4705	20170101063858.679	20170101063922.893
VER (160)	4705	5306	20170101063922.893	20170101065530.868
VER (160)	5323	5325	20170101065554.868	20170101065554.868
VER (160)	5347	5349	20170101065634.864	20170101065634.864
VER (160)	7905	7907	20170101080442.858	20170101080450.858
VER (160)	7910	7916	20170101080450.858	20170101080506.858
VER (160)	7917	7919	20170101080506.858	20170101080506.858
VER (160)	7925	7930	20170101080514.858	20170101080522.858
VER (160)	7930	7935	20170101080522.858	20170101080523.288
VER (160)	7935	7941	20170101080523.288	20170101080546.854
VER (160)	7945	7950	20170101080546.854	20170101080554.854
VER (160)	7950	7960	20170101080554.854	20170101080610.854
VER (160)	7960	8121	20170101080610.854	20170101081034.887
VER (160)	8275	8280	20170101081434.879	20170101081442.879
VER (160)	8285	8296	20170101081450.879	20170101081514.879
VER (160)	8300	8752	20170101081514.879	20170101081611.308
VER (160)	8753	8755	20170101081611.308	20170101081611.308
VER (160)	8756	8758	20170101082730.858	20170101082730.858
VER (160)	10040	10042	20170101090138.873	20170101090146.869
VER (160)	10042	10045	20170101090146.869	20170101090146.869
VER (160)	10045	10047	20170101090146.869	20170101090154.872
VER (160)	10047	10049	20170101090154.872	20170101090154.872
VER (160)	10049	10051	20170101090154.872	20170101090202.869
VER (160)	10051	10060	20170101090202.869	20170101090210.872

Continued on next page

Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	10060	10065	20170101090210.872	20170101090218.869
VER (160)	10065	10068	20170101090218.869	20170101090226.869
VER (160)	10068	10070	20170101090226.869	20170101090226.869
VER (160)	10070	10072	20170101090226.869	20170101090234.868
VER (160)	10073	10075	20170101090234.868	20170101090234.868
VER (160)	10075	10077	20170101090234.868	20170101090242.868
VER (160)	10077	10080	20170101090242.868	20170101090242.868
VER (160)	10127	10129	20170101090402.868	20170101090402.868
VER (160)	10131	10135	20170101090410.864	20170101090410.864
VER (160)	10135	10140	20170101090410.864	20170101090418.868
VER (160)	10140	10145	20170101090418.868	20170101090426.864
VER (160)	10145	10150	20170101090426.864	20170101090434.868
VER (160)	10150	10153	20170101090434.868	20170101090442.864
VER (160)	10153	10155	20170101090442.864	20170101090442.864
VER (160)	10155	10160	20170101090442.864	20170101090450.864
VER (160)	10160	10162	20170101090450.864	20170101090458.864
VER (160)	10162	10164	20170101090458.864	20170101090458.864
VER (160)	10165	10167	20170101090458.864	20170101090506.864
VER (160)	10167	10170	20170101090506.864	20170101090506.864
VER (160)	10170	10190	20170101090506.864	20170101090523.298
VER (160)	10190	10200	20170101090523.298	20170101090554.864
VER (160)	10200	10260	20170101090554.864	20170101090730.860
VER (160)	10261	10265	20170101090738.860	20170101090738.860
VER (160)	10265	10270	20170101090738.860	20170101090746.860
VER (160)	10270	10425	20170101090746.860	20170101091154.852
VER (160)	10450	10455	20170101091234.851	20170101091242.851
VER (160)	10455	10465	20170101091242.851	20170101091246.312
VER (160)	10465	10471	20170101091246.312	20170101091314.851
VER (160)	10472	10474	20170101091314.851	20170101091314.851
VER (160)	10502	10504	20170101091402.847	20170101091402.847
AUX (180)	917	919	20170101063803.331	20170101063819.331
AUX (180)	921	923	20170101063835.331	20170101063851.327
AUX (180)	924	927	20170101063859.327	20170101063923.327
AUX (180)	928	1048	20170101063931.327	20170101065531.301
AUX (180)	1572	1575	20170101080523.288	20170101080547.288
AUX (180)	1576	1578	20170101080555.288	20170101080611.288
AUX (180)	1578	1581	20170101080611.288	20170101080635.288
AUX (180)	1581	1586	20170101080635.288	20170101080715.315
AUX (180)	1586	1610	20170101080715.315	20170101081027.321
AUX (180)	1641	1643	20170101081435.313	20170101081451.313
AUX (180)	1643	1645	20170101081451.313	20170101081507.309
AUX (180)	1646	1648	20170101081515.313	20170101081531.312
AUX (180)	1648	1653	20170101081531.312	20170101081611.308
AUX (180)	1653	1737	20170101081611.308	20170101082723.287
AUX (180)	2020	2022	20170101090507.298	20170101090523.298
AUX (180)	2022	2024	20170101090523.298	20170101090539.298
AUX (180)	2024	2026	20170101090539.298	20170101090555.298
AUX (180)	2028	2038	20170101090611.298	20170101090731.294
AUX (180)	2041	2065	20170101090755.294	20170101091107.285
AUX (180)	2065	2071	20170101091107.285	20170101091155.285
AUX (180)	2077	2079	20170101091243.285	20170101091259.285

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
01/01/2017 00:00:03	-	Normal operation

Table 3: Instrument modes

4 L0 and L1 Data Quality

Flag	Value	Action
L0 IASI PDUs	474	-
L1 ENG PDUs	472	-
L1 ENG distinct GEPSGranule	472	-
GQisFlagQual set (PX1)	99.21 %	-
GQisFlagQual set (PX2)	99.20 %	-
GQisFlagQual set (PX3)	99.23 %	-
GQisFlagQual set (PX4)	99.23 %	-
GQisFlagQual set (all)	99.22 %	-

Table 4: Quality flags

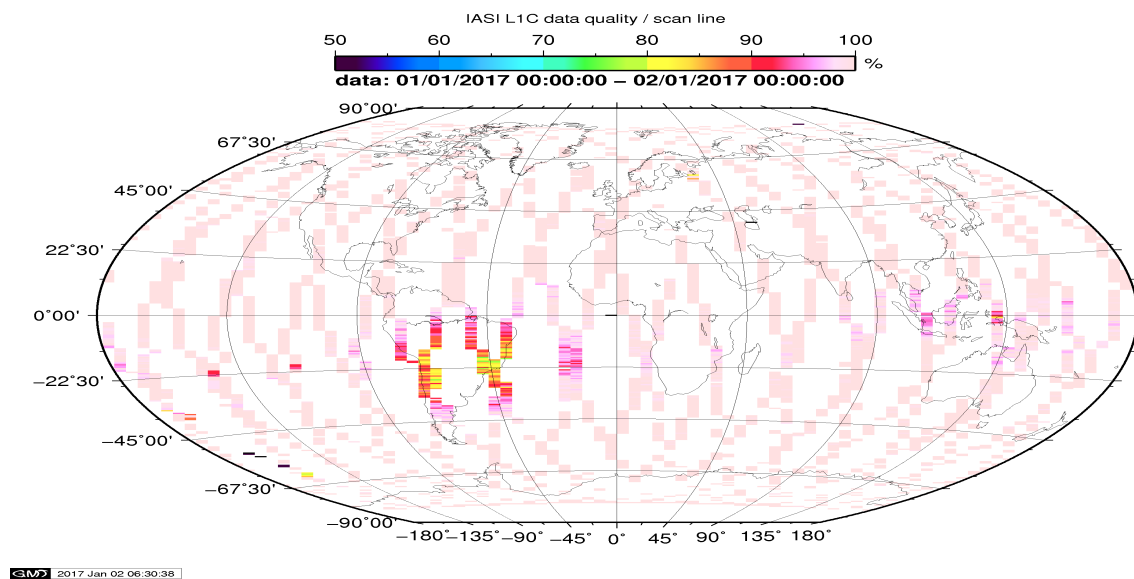


Figure 1: L1C data quality

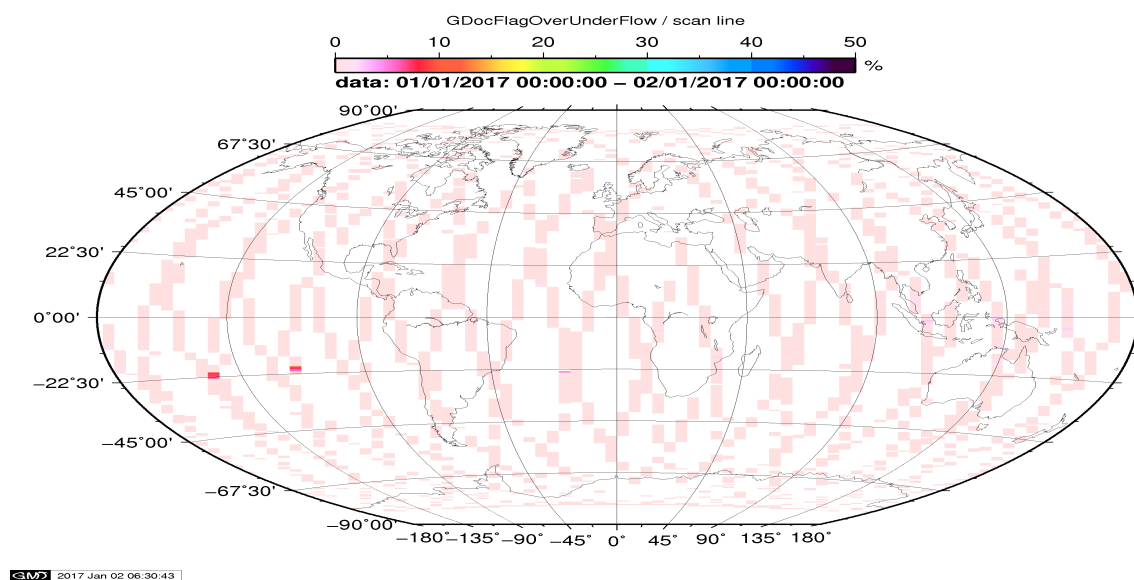


Figure 2: Flag of Over and Under Flows

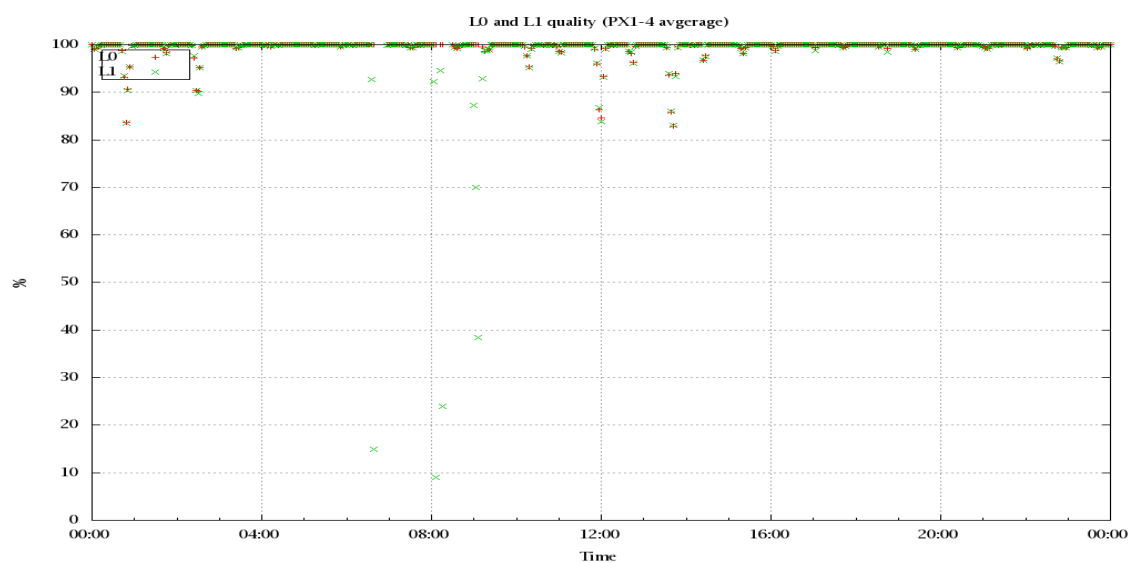


Figure 3: Level 0 and 1C overall quality

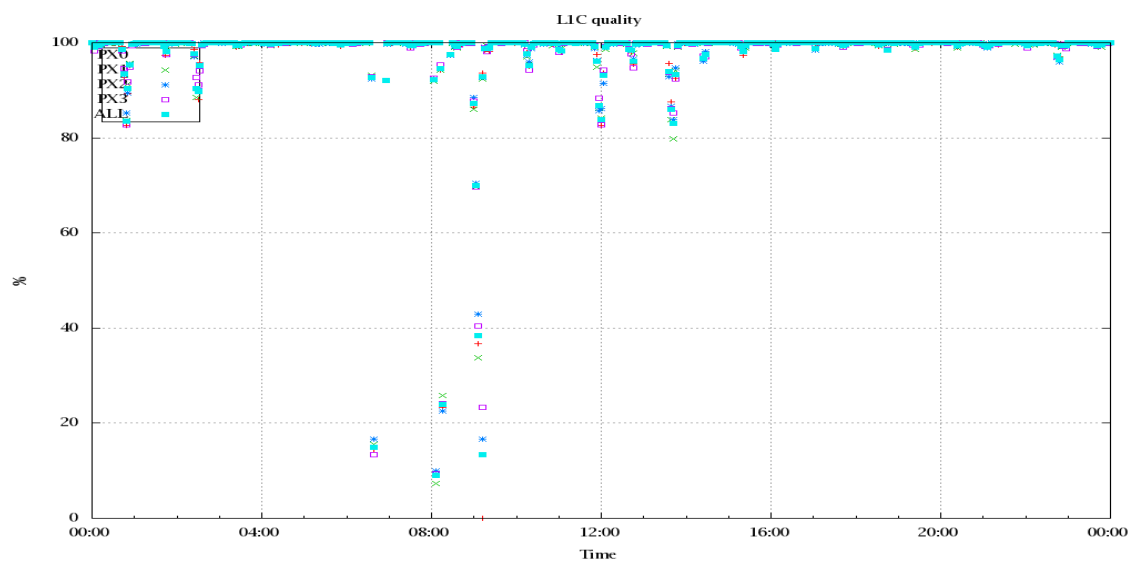


Figure 4: Level 1C quality

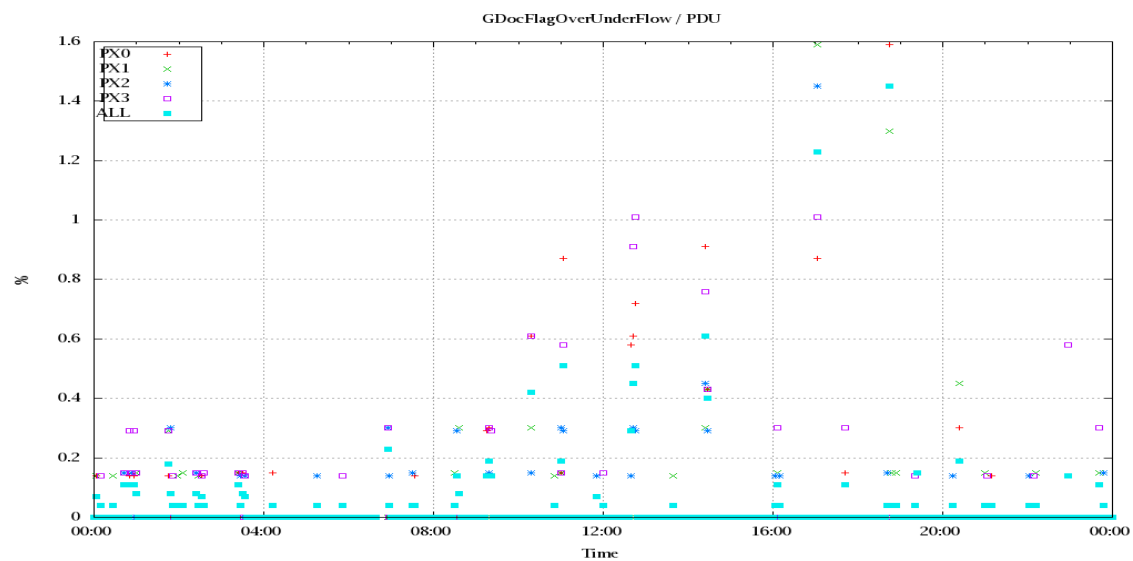


Figure 5: OverUnderFlowFlag timeseries

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.

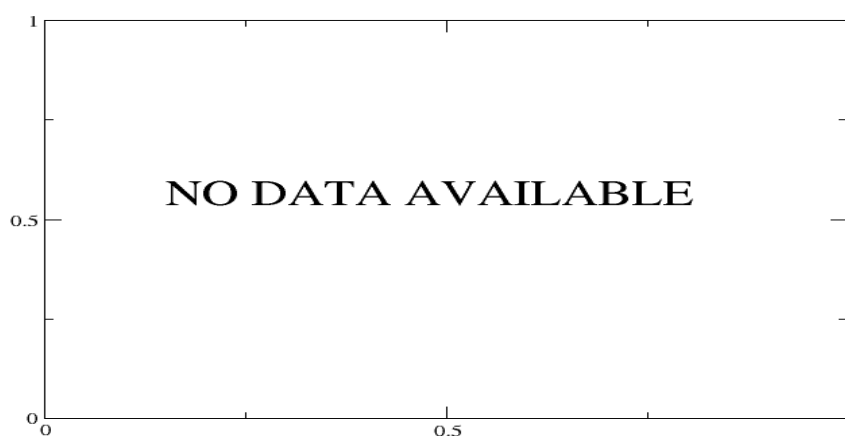


Figure 6: Average Radiance differences: OBS-CAL

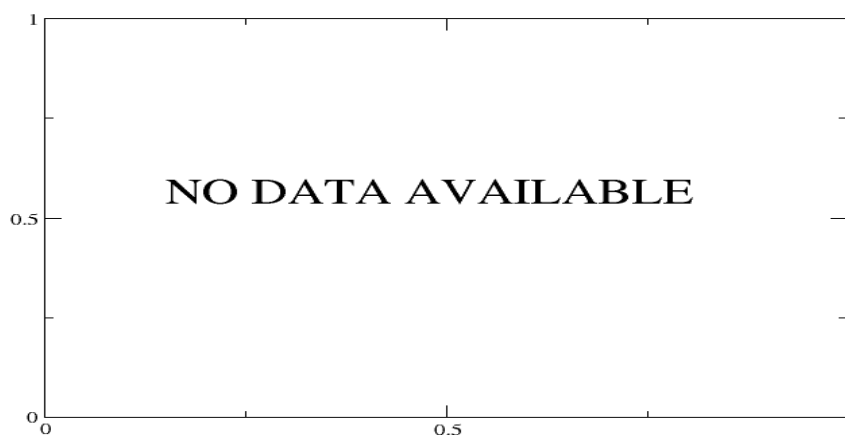


Figure 7: Standard Deviation of Radiance differences

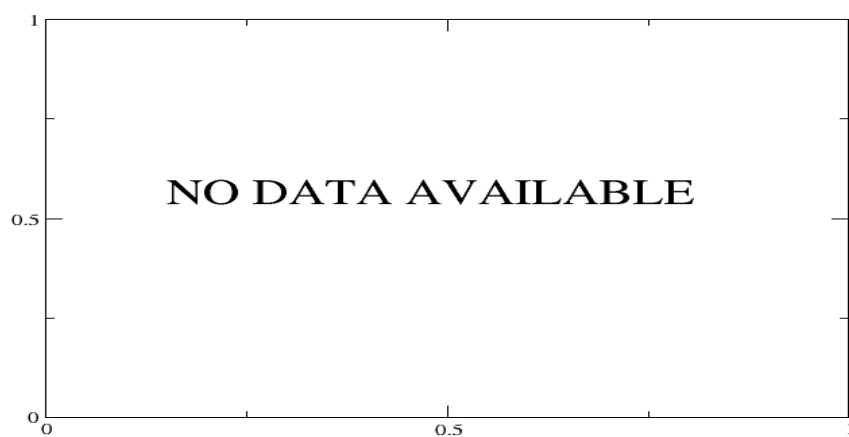


Figure 8: Average Radiance differences: OBS-CAL



Figure 9: Standard Deviation of Radiance differences

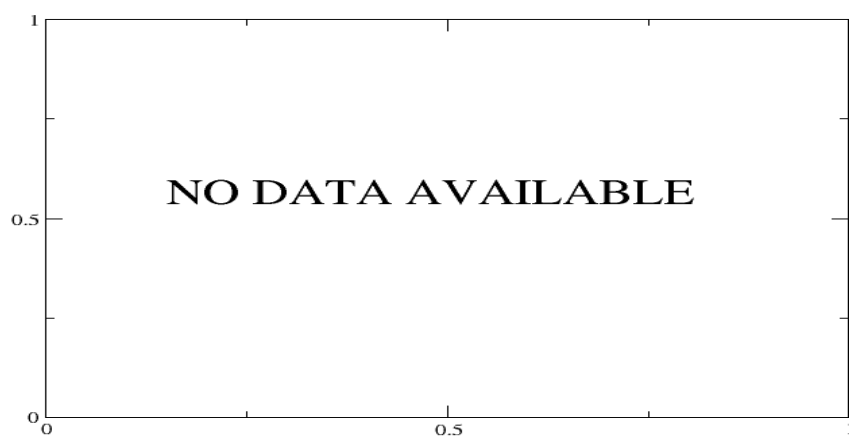


Figure 10: Radiance Anomaly in BRT: All Channels



Figure 11: Radiance Anomaly in BRT: IASI Band 1

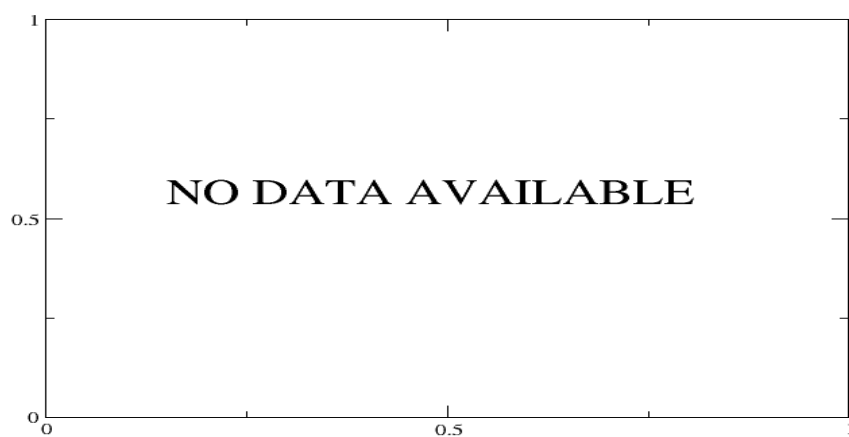


Figure 12: Radiance Anomaly in BRT: IASI Band 2



Figure 13: Radiance Anomaly in BRT: IASI Band 3

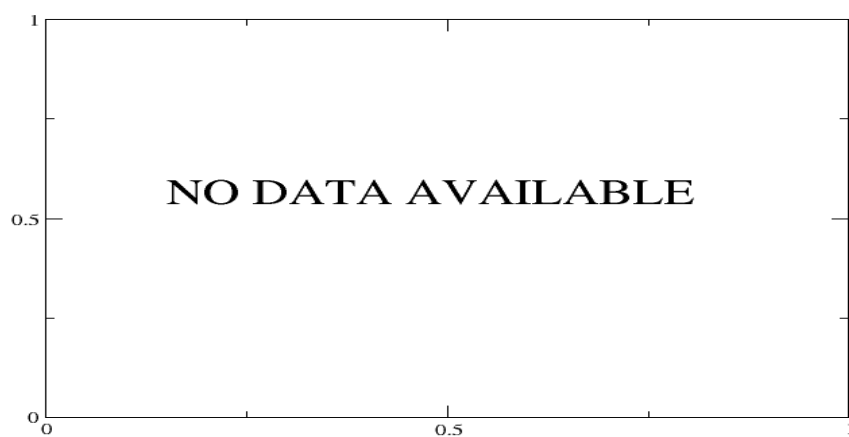


Figure 14: Radiance Anomaly in BRT: CO2 14



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.

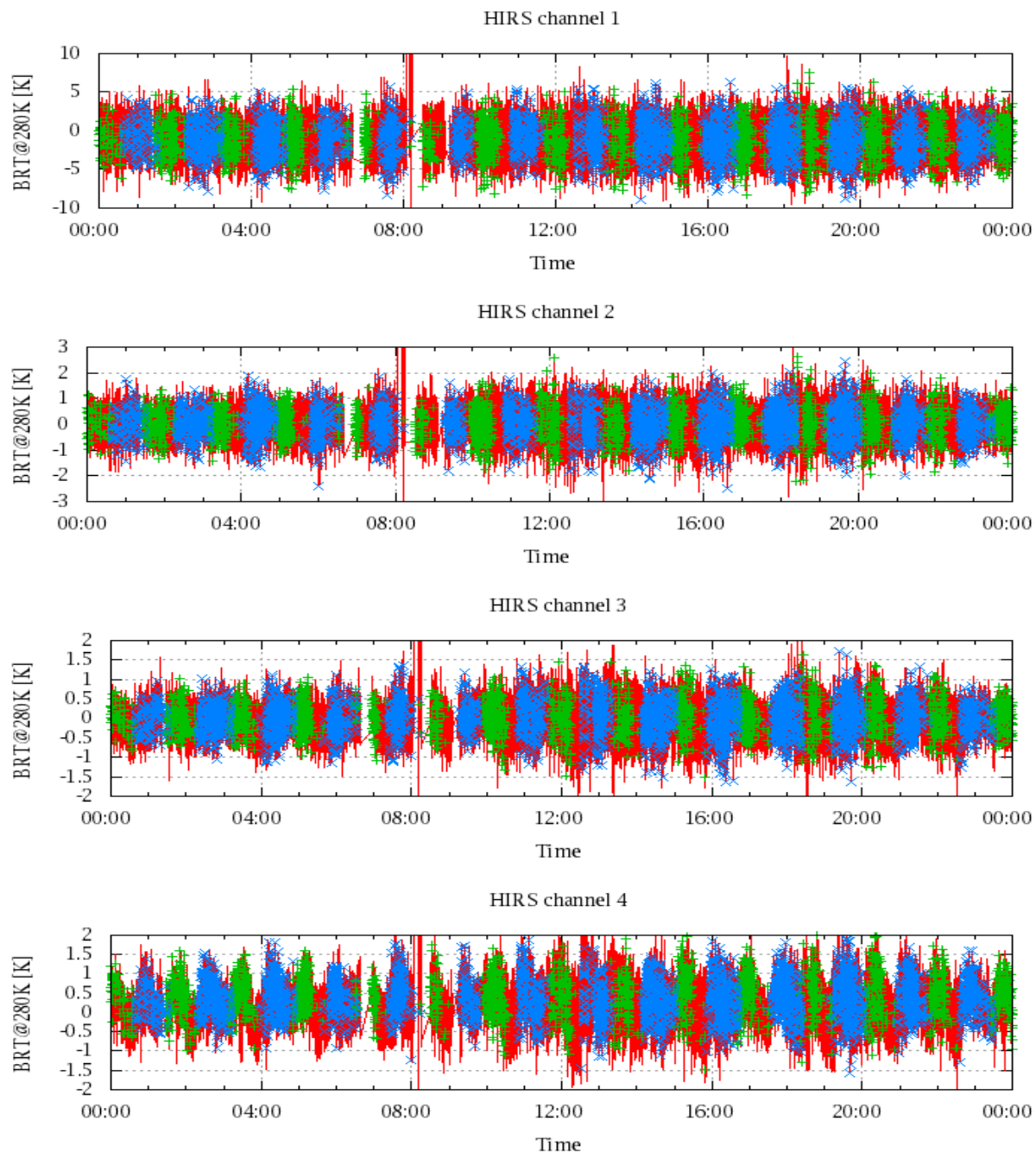


Figure 17: Radiance Differences in BRT

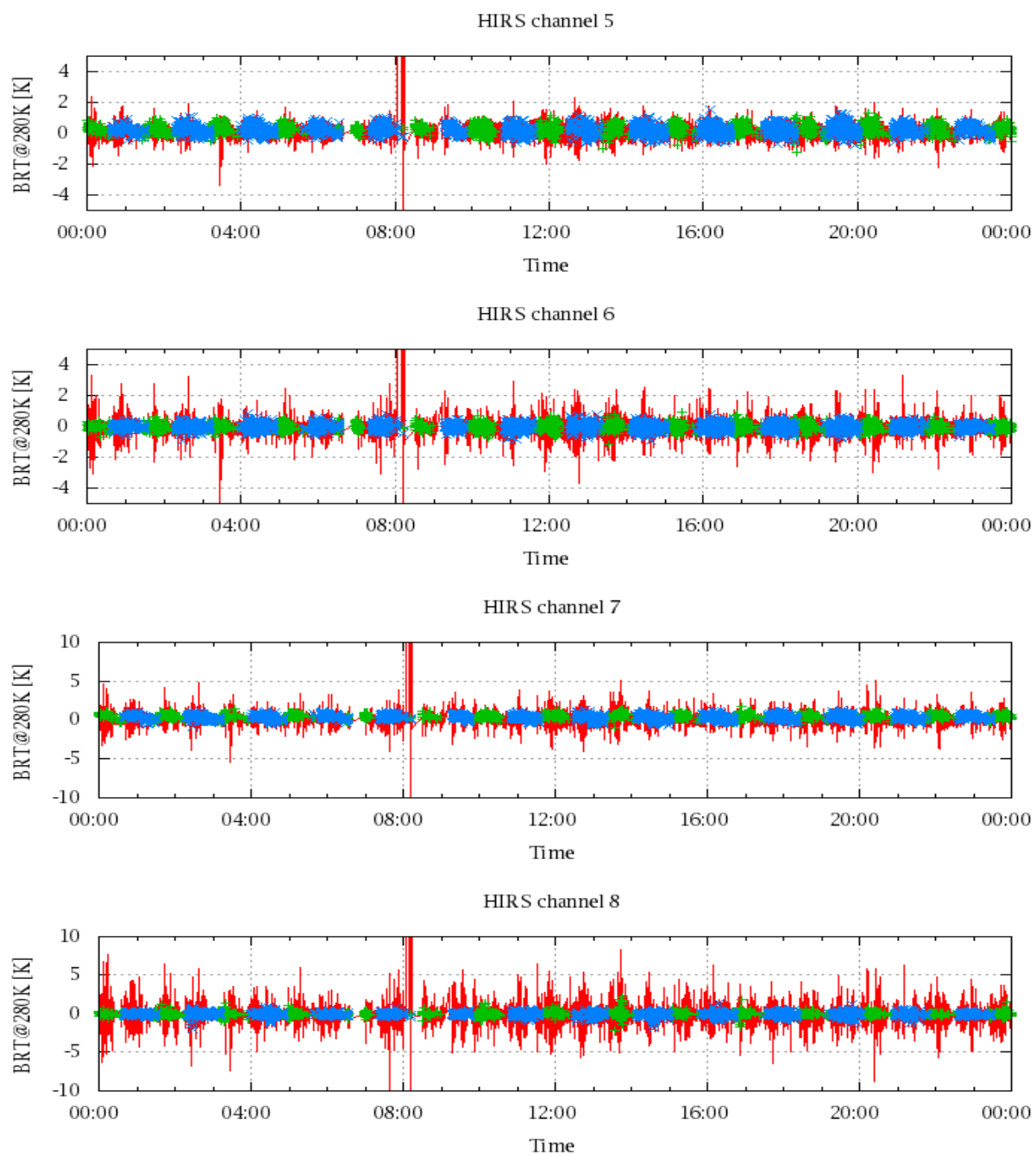


Figure 18: Radiance Differences in BRT

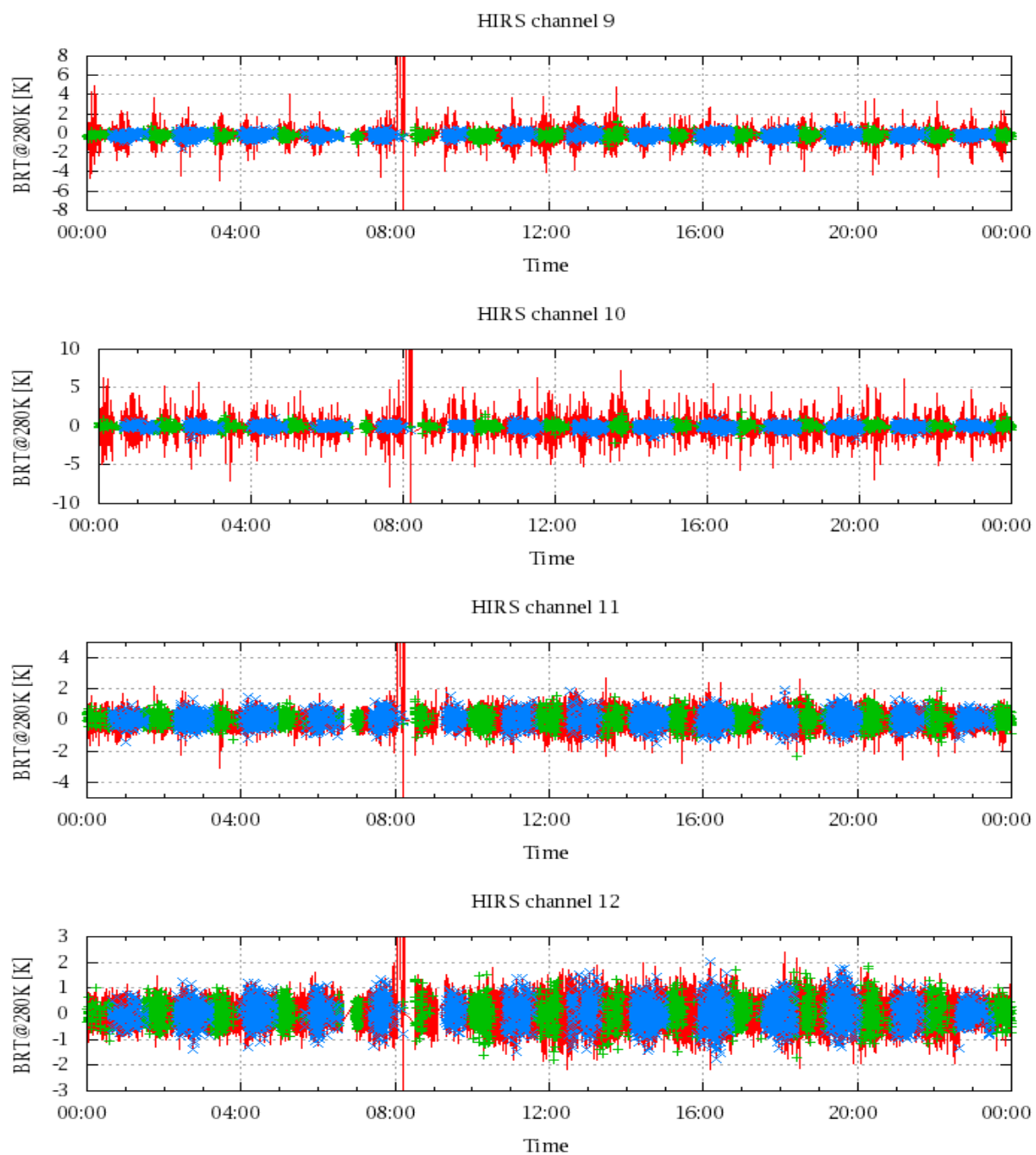


Figure 19: Radiance Differences in BRT

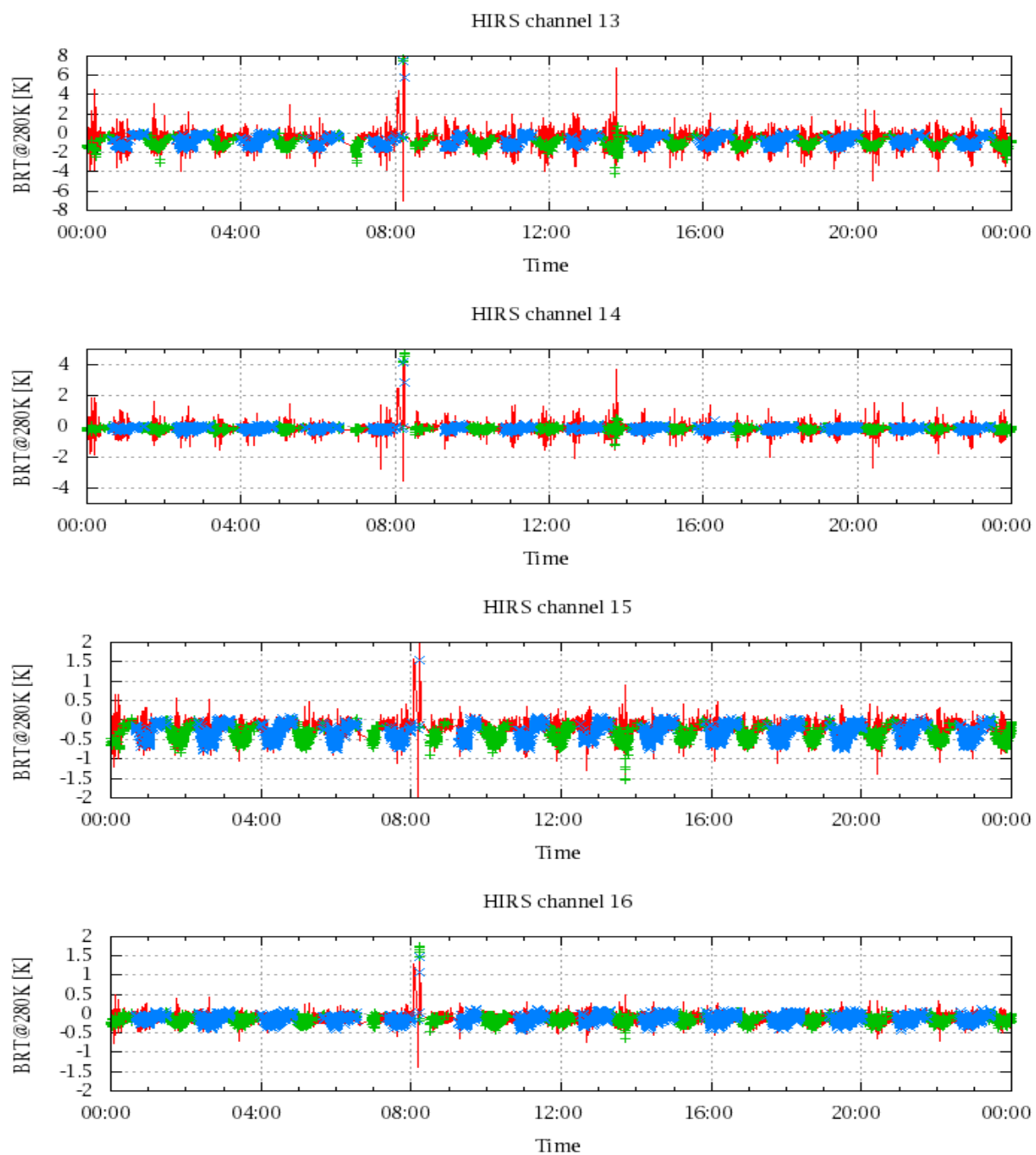


Figure 20: Radiance Differences in BRT

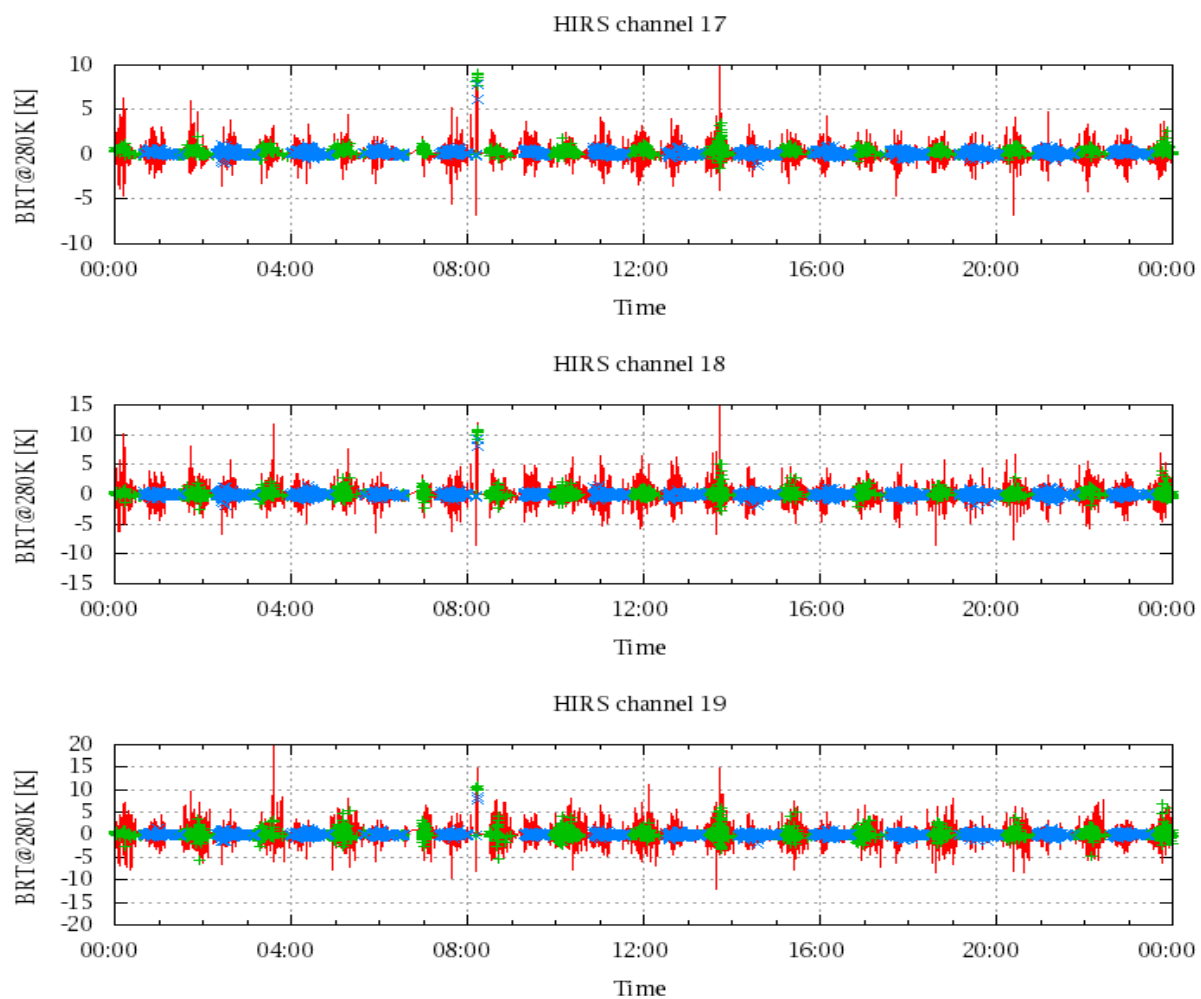


Figure 21: Radinace Differences in BRT