

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

25/09/2014 00:00:00 - 26/09/2014 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 25/09/2014 00:00:00 - 26/09/2014 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 25/09/2014 00:00:00 - 26/09/2014 00:00:00

Product Type	Number	Action
L0 HKTM PDUs	479	-
L0 IASI PDUs	479	-
L1 ENG PDUs	478	-
L1 ENG distinct GEPSGranule	479	-
L1 DPX PDUs (RM: IASI-HIRS)	475	-
L1 DPS Files (RM: OBS-CAL NWP based)	478	-

Table 1: Data quantity

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	5293	7390	20140925081810.512	20140925082729.850
PX1 (130)	7433	7445	20140925082740.659	20140925082744.768
PX1 (130)	7450	7452	20140925082745.850	20140925082746.284
PX1 (130)	7452	8059	20140925082746.284	20140925083027.791
PX1 (130)	8059	8070	20140925083027.791	20140925083031.682
PX1 (130)	8070	8074	20140925083031.682	20140925083032.545
PX1 (130)	8074	8083	20140925083032.545	20140925083034.494
PX1 (130)	8084	8087	20140925083034.709	20140925083035.358
PX1 (130)	8087	8105	20140925083035.358	20140925083040.764
PX1 (130)	8105	8109	20140925083040.764	20140925083041.627
PX1 (130)	8109	8136	20140925083041.627	20140925083048.979
PX1 (130)	8136	8138	20140925083048.979	20140925083049.412
PX1 (130)	8138	8159	20140925083049.412	20140925083055.463
PX1 (130)	8160	8164	20140925083055.682	20140925083056.545
PX1 (130)	8164	8166	20140925083056.545	20140925083056.979
PX1 (130)	8166	8168	20140925083056.979	20140925083057.412
PX1 (130)	8168	8171	20140925083057.412	20140925083058.061
PX1 (130)	8171	8179	20140925083058.061	20140925083059.787

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	8179	8190	20140925083059.787	20140925083103.682
PX1 (130)	8191	8199	20140925083103.897	20140925083105.627
PX1 (130)	8200	8205	20140925083105.842	20140925083106.924
PX1 (130)	8207	8215	20140925083107.358	20140925083110.600
PX1 (130)	8217	8220	20140925083111.033	20140925083111.682
PX1 (130)	8220	8222	20140925083111.682	20140925083112.115
PX1 (130)	8222	8232	20140925083112.115	20140925083114.275
PX1 (130)	8232	8241	20140925083114.275	20140925083116.221
PX1 (130)	8263	8268	20140925083122.490	20140925083123.572
PX1 (130)	8268	8275	20140925083123.572	20140925083126.600
PX1 (130)	8286	8288	20140925083128.979	20140925083129.412
PX1 (130)	8304	8370	20140925083134.381	20140925083151.678
PX1 (130)	8370	8436	20140925083151.678	20140925083208.975
PX1 (130)	8436	8512	20140925083208.975	20140925083228.435
PX1 (130)	8512	8530	20140925083228.435	20140925083233.842
PX1 (130)	8530	8537	20140925083233.842	20140925083235.353
PX1 (130)	8537	8558	20140925083235.353	20140925083241.408
PX1 (130)	8558	8560	20140925083241.408	20140925083241.842
PX1 (130)	8560	8565	20140925083241.842	20140925083242.924
PX1 (130)	8566	8592	20140925083243.139	20140925083250.275
PX1 (130)	8592	8608	20140925083250.275	20140925083255.244
PX1 (130)	8609	8641	20140925083255.463	20140925083303.892
PX1 (130)	8826	8829	20140925083352.974	20140925083353.623
PX1 (130)	8831	8833	20140925083354.056	20140925083354.486
PX1 (130)	8833	8836	20140925083354.486	20140925083355.138
PX1 (130)	8836	8838	20140925083355.138	20140925083355.568
PX1 (130)	8838	8840	20140925083355.568	20140925083356.002
PX1 (130)	8845	8849	20140925083358.595	20140925083359.463
PX1 (130)	8849	8852	20140925083359.463	20140925083400.107
PX1 (130)	8852	8854	20140925083400.107	20140925083400.541
PX1 (130)	8854	8856	20140925083400.541	20140925083400.974
PX1 (130)	8856	8861	20140925083400.974	20140925083402.056
PX1 (130)	8861	8863	20140925083402.056	20140925083402.486
PX1 (130)	8863	8868	20140925083402.486	20140925083403.568
PX1 (130)	8868	8870	20140925083403.568	20140925083404.002
PX1 (130)	8872	8877	20140925083404.431	20140925083407.029
PX1 (130)	8877	8879	20140925083407.029	20140925083407.459
PX1 (130)	8882	8886	20140925083408.111	20140925083408.974
PX1 (130)	8886	8888	20140925083408.974	20140925083409.408
PX1 (130)	8888	8893	20140925083409.408	20140925083410.486
PX1 (130)	8893	8895	20140925083410.486	20140925083410.920
PX1 (130)	8895	8900	20140925083410.920	20140925083412.002
PX1 (130)	8900	8902	20140925083412.002	20140925083412.435
PX1 (130)	8902	8909	20140925083412.435	20140925083415.459
PX1 (130)	8909	8911	20140925083415.459	20140925083415.892
PX1 (130)	8911	8916	20140925083415.892	20140925083416.974
PX1 (130)	8916	8918	20140925083416.974	20140925083417.404
PX1 (130)	8918	8923	20140925083417.404	20140925083418.486
PX1 (130)	8923	8925	20140925083418.486	20140925083418.920
PX1 (130)	10767	11108	20140925084231.051	20140925084401.426
PX1 (130)	11786	11814	20140925084702.828	20140925084710.394
PX2 (135)	5293	7390	20140925081810.512	20140925082729.850
PX2 (135)	7433	7442	20140925082740.659	20140925082744.120

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	7442	7445	20140925082744.120	20140925082744.768
PX2 (135)	7451	8059	20140925082746.065	20140925083027.791
PX2 (135)	8059	8072	20140925083027.791	20140925083032.115
PX2 (135)	8072	8074	20140925083032.115	20140925083032.545
PX2 (135)	8074	8080	20140925083032.545	20140925083033.842
PX2 (135)	8080	8083	20140925083033.842	20140925083034.494
PX2 (135)	8083	8087	20140925083034.494	20140925083035.358
PX2 (135)	8087	8098	20140925083035.358	20140925083039.248
PX2 (135)	8098	8105	20140925083039.248	20140925083040.764
PX2 (135)	8105	8119	20140925083040.764	20140925083043.791
PX2 (135)	8119	8125	20140925083043.791	20140925083046.600
PX2 (135)	8125	8127	20140925083046.600	20140925083047.033
PX2 (135)	8127	8147	20140925083047.033	20140925083051.358
PX2 (135)	8148	8156	20140925083051.572	20140925083054.818
PX2 (135)	8156	8160	20140925083054.818	20140925083055.682
PX2 (135)	8160	8164	20140925083055.682	20140925083056.545
PX2 (135)	8164	8168	20140925083056.545	20140925083057.412
PX2 (135)	8169	8171	20140925083057.627	20140925083058.061
PX2 (135)	8171	8173	20140925083058.061	20140925083058.490
PX2 (135)	8175	8199	20140925083058.924	20140925083105.627
PX2 (135)	8200	8207	20140925083105.842	20140925083107.358
PX2 (135)	8207	8215	20140925083107.358	20140925083110.600
PX2 (135)	8215	8220	20140925083110.600	20140925083111.682
PX2 (135)	8220	8222	20140925083111.682	20140925083112.115
PX2 (135)	8222	8224	20140925083112.115	20140925083112.545
PX2 (135)	8224	8240	20140925083112.545	20140925083116.006
PX2 (135)	8263	8268	20140925083122.490	20140925083123.572
PX2 (135)	8268	8275	20140925083123.572	20140925083126.600
PX2 (135)	8286	8288	20140925083128.979	20140925083129.412
PX2 (135)	8304	8370	20140925083134.381	20140925083151.678
PX2 (135)	8370	8406	20140925083151.678	20140925083200.978
PX2 (135)	8406	8530	20140925083200.978	20140925083233.842
PX2 (135)	8530	8537	20140925083233.842	20140925083235.353
PX2 (135)	8537	8562	20140925083235.353	20140925083242.271
PX2 (135)	8562	8565	20140925083242.271	20140925083242.924
PX2 (135)	8566	8608	20140925083243.139	20140925083255.244
PX2 (135)	8609	8640	20140925083255.463	20140925083303.678
PX2 (135)	8826	8829	20140925083352.974	20140925083353.623
PX2 (135)	8830	8833	20140925083353.838	20140925083354.486
PX2 (135)	8833	8840	20140925083354.486	20140925083356.002
PX2 (135)	8845	8849	20140925083358.595	20140925083359.463
PX2 (135)	8849	8852	20140925083359.463	20140925083400.107
PX2 (135)	8852	8854	20140925083400.107	20140925083400.541
PX2 (135)	8854	8856	20140925083400.541	20140925083400.974
PX2 (135)	8856	8858	20140925083400.974	20140925083401.404
PX2 (135)	8858	8861	20140925083401.404	20140925083402.056
PX2 (135)	8861	8863	20140925083402.056	20140925083402.486
PX2 (135)	8863	8865	20140925083402.486	20140925083402.920
PX2 (135)	8865	8868	20140925083402.920	20140925083403.568
PX2 (135)	8868	8870	20140925083403.568	20140925083404.002
PX2 (135)	8872	8877	20140925083404.431	20140925083407.029
PX2 (135)	8877	8879	20140925083407.029	20140925083407.459
PX2 (135)	8882	8886	20140925083408.111	20140925083408.974

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	8886	8888	20140925083408.974	20140925083409.408
PX2 (135)	8888	8895	20140925083409.408	20140925083410.920
PX2 (135)	8895	8900	20140925083410.920	20140925083412.002
PX2 (135)	8900	8902	20140925083412.002	20140925083412.435
PX2 (135)	8902	8904	20140925083412.435	20140925083414.377
PX2 (135)	8904	8909	20140925083414.377	20140925083415.459
PX2 (135)	8909	8911	20140925083415.459	20140925083415.892
PX2 (135)	8911	8918	20140925083415.892	20140925083417.404
PX2 (135)	8918	8920	20140925083417.404	20140925083417.838
PX2 (135)	8920	8923	20140925083417.838	20140925083418.486
PX2 (135)	8923	8925	20140925083418.486	20140925083418.920
PX2 (135)	10767	11107	20140925084231.051	20140925084401.211
PX2 (135)	11786	11814	20140925084702.828	20140925084710.394
PX3 (140)	8629	8631	20140925000316.324	20140925000316.754
PX3 (140)	15481	15483	20140925025922.130	20140925025922.560
PX3 (140)	5293	7391	20140925081810.512	20140925082730.065
PX3 (140)	7432	7442	20140925082740.444	20140925082744.120
PX3 (140)	7442	7445	20140925082744.120	20140925082744.768
PX3 (140)	7449	7451	20140925082745.631	20140925082746.065
PX3 (140)	7451	7453	20140925082746.065	20140925082746.499
PX3 (140)	7453	8058	20140925082746.499	20140925083027.576
PX3 (140)	8059	8065	20140925083027.791	20140925083030.600
PX3 (140)	8065	8071	20140925083030.600	20140925083031.901
PX3 (140)	8071	8078	20140925083031.901	20140925083033.412
PX3 (140)	8078	8080	20140925083033.412	20140925083033.842
PX3 (140)	8080	8083	20140925083033.842	20140925083034.494
PX3 (140)	8083	8086	20140925083034.494	20140925083035.143
PX3 (140)	8087	8105	20140925083035.358	20140925083040.764
PX3 (140)	8105	8147	20140925083040.764	20140925083051.358
PX3 (140)	8148	8153	20140925083051.572	20140925083052.654
PX3 (140)	8153	8156	20140925083052.654	20140925083054.818
PX3 (140)	8156	8160	20140925083054.818	20140925083055.682
PX3 (140)	8161	8168	20140925083055.897	20140925083057.412
PX3 (140)	8169	8173	20140925083057.627	20140925083058.490
PX3 (140)	8175	8177	20140925083058.924	20140925083059.358
PX3 (140)	8178	8185	20140925083059.572	20140925083102.600
PX3 (140)	8186	8207	20140925083102.815	20140925083107.358
PX3 (140)	8207	8215	20140925083107.358	20140925083110.600
PX3 (140)	8215	8220	20140925083110.600	20140925083111.682
PX3 (140)	8220	8222	20140925083111.682	20140925083112.115
PX3 (140)	8222	8224	20140925083112.115	20140925083112.545
PX3 (140)	8224	8240	20140925083112.545	20140925083116.006
PX3 (140)	8263	8268	20140925083122.490	20140925083123.572
PX3 (140)	8268	8275	20140925083123.572	20140925083126.600
PX3 (140)	8286	8288	20140925083128.979	20140925083129.412
PX3 (140)	8304	8369	20140925083134.381	20140925083151.463
PX3 (140)	8370	8399	20140925083151.678	20140925083159.463
PX3 (140)	8399	8406	20140925083159.463	20140925083200.978
PX3 (140)	8406	8532	20140925083200.978	20140925083234.275
PX3 (140)	8532	8562	20140925083234.275	20140925083242.271
PX3 (140)	8562	8565	20140925083242.271	20140925083242.924
PX3 (140)	8566	8608	20140925083243.139	20140925083255.244
PX3 (140)	8609	8640	20140925083255.463	20140925083303.678

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX3 (140)	8826	8829	20140925083352.974	20140925083353.623
PX3 (140)	8830	8833	20140925083353.838	20140925083354.486
PX3 (140)	8833	8835	20140925083354.486	20140925083354.920
PX3 (140)	8835	8840	20140925083354.920	20140925083356.002
PX3 (140)	8845	8849	20140925083358.595	20140925083359.463
PX3 (140)	8849	8851	20140925083359.463	20140925083359.892
PX3 (140)	8851	8854	20140925083359.892	20140925083400.541
PX3 (140)	8854	8863	20140925083400.541	20140925083402.486
PX3 (140)	8863	8865	20140925083402.486	20140925083402.920
PX3 (140)	8865	8868	20140925083402.920	20140925083403.568
PX3 (140)	8868	8870	20140925083403.568	20140925083404.002
PX3 (140)	8870	8874	20140925083404.002	20140925083406.381
PX3 (140)	8874	8877	20140925083406.381	20140925083407.029
PX3 (140)	8877	8879	20140925083407.029	20140925083407.459
PX3 (140)	8882	8886	20140925083408.111	20140925083408.974
PX3 (140)	8886	8888	20140925083408.974	20140925083409.408
PX3 (140)	8888	8890	20140925083409.408	20140925083409.838
PX3 (140)	8890	8895	20140925083409.838	20140925083410.920
PX3 (140)	8895	8897	20140925083410.920	20140925083411.353
PX3 (140)	8897	8902	20140925083411.353	20140925083412.435
PX3 (140)	8902	8904	20140925083412.435	20140925083414.377
PX3 (140)	8904	8909	20140925083414.377	20140925083415.459
PX3 (140)	8909	8911	20140925083415.459	20140925083415.892
PX3 (140)	8911	8913	20140925083415.892	20140925083416.326
PX3 (140)	8913	8918	20140925083416.326	20140925083417.404
PX3 (140)	8918	8925	20140925083417.404	20140925083418.920
PX3 (140)	10766	11107	20140925084230.832	20140925084401.211
PX3 (140)	11786	11814	20140925084702.828	20140925084710.394
PX4 (145)	5293	7389	20140925081810.512	20140925082729.631
PX4 (145)	7389	7391	20140925082729.631	20140925082730.065
PX4 (145)	7432	7442	20140925082740.444	20140925082744.120
PX4 (145)	7442	7444	20140925082744.120	20140925082744.553
PX4 (145)	7449	7451	20140925082745.631	20140925082746.065
PX4 (145)	7451	7453	20140925082746.065	20140925082746.499
PX4 (145)	7453	8059	20140925082746.499	20140925083027.791
PX4 (145)	8059	8063	20140925083027.791	20140925083028.654
PX4 (145)	8063	8071	20140925083028.654	20140925083031.901
PX4 (145)	8071	8075	20140925083031.901	20140925083032.764
PX4 (145)	8075	8078	20140925083032.764	20140925083033.412
PX4 (145)	8078	8086	20140925083033.412	20140925083035.143
PX4 (145)	8087	8089	20140925083035.358	20140925083035.791
PX4 (145)	8089	8099	20140925083035.791	20140925083039.467
PX4 (145)	8100	8114	20140925083039.682	20140925083042.709
PX4 (145)	8115	8126	20140925083042.924	20140925083046.815
PX4 (145)	8126	8139	20140925083046.815	20140925083049.627
PX4 (145)	8139	8148	20140925083049.627	20140925083051.572
PX4 (145)	8148	8154	20140925083051.572	20140925083054.385
PX4 (145)	8154	8156	20140925083054.385	20140925083054.818
PX4 (145)	8156	8160	20140925083054.818	20140925083055.682
PX4 (145)	8161	8168	20140925083055.897	20140925083057.412
PX4 (145)	8169	8173	20140925083057.627	20140925083058.490
PX4 (145)	8173	8175	20140925083058.490	20140925083058.924
PX4 (145)	8175	8182	20140925083058.924	20140925083100.440

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	8184	8193	20140925083102.385	20140925083104.330
PX4 (145)	8194	8220	20140925083104.545	20140925083111.682
PX4 (145)	8220	8222	20140925083111.682	20140925083112.115
PX4 (145)	8222	8240	20140925083112.115	20140925083116.006
PX4 (145)	8264	8267	20140925083122.709	20140925083123.357
PX4 (145)	8268	8275	20140925083123.572	20140925083126.600
PX4 (145)	8286	8288	20140925083128.979	20140925083129.412
PX4 (145)	8304	8319	20140925083134.381	20140925083137.627
PX4 (145)	8319	8369	20140925083137.627	20140925083151.463
PX4 (145)	8370	8399	20140925083151.678	20140925083159.463
PX4 (145)	8399	8440	20140925083159.463	20140925083209.842
PX4 (145)	8440	8532	20140925083209.842	20140925083234.275
PX4 (145)	8532	8562	20140925083234.275	20140925083242.271
PX4 (145)	8562	8564	20140925083242.271	20140925083242.705
PX4 (145)	8565	8608	20140925083242.924	20140925083255.244
PX4 (145)	8608	8610	20140925083255.244	20140925083255.678
PX4 (145)	8610	8640	20140925083255.678	20140925083303.678
PX4 (145)	8826	8828	20140925083352.974	20140925083353.408
PX4 (145)	8830	8833	20140925083353.838	20140925083354.486
PX4 (145)	8833	8835	20140925083354.486	20140925083354.920
PX4 (145)	8835	8840	20140925083354.920	20140925083356.002
PX4 (145)	8840	8842	20140925083356.002	20140925083356.435
PX4 (145)	8845	8851	20140925083358.595	20140925083359.892
PX4 (145)	8851	8867	20140925083359.892	20140925083403.353
PX4 (145)	8868	8870	20140925083403.568	20140925083404.002
PX4 (145)	8870	8874	20140925083404.002	20140925083406.381
PX4 (145)	8874	8879	20140925083406.381	20140925083407.459
PX4 (145)	8883	8886	20140925083408.326	20140925083408.974
PX4 (145)	8886	8888	20140925083408.974	20140925083409.408
PX4 (145)	8888	8890	20140925083409.408	20140925083409.838
PX4 (145)	8890	8895	20140925083409.838	20140925083410.920
PX4 (145)	8895	8897	20140925083410.920	20140925083411.353
PX4 (145)	8897	8902	20140925083411.353	20140925083412.435
PX4 (145)	8902	8904	20140925083412.435	20140925083414.377
PX4 (145)	8904	8906	20140925083414.377	20140925083414.810
PX4 (145)	8906	8909	20140925083414.810	20140925083415.459
PX4 (145)	8909	8911	20140925083415.459	20140925083415.892
PX4 (145)	8911	8913	20140925083415.892	20140925083416.326
PX4 (145)	8913	8918	20140925083416.326	20140925083417.404
PX4 (145)	8918	8922	20140925083417.404	20140925083418.271
PX4 (145)	8922	8925	20140925083418.271	20140925083418.920
PX4 (145)	10766	11107	20140925084230.832	20140925084401.211
PX4 (145)	11785	11813	20140925084702.613	20140925084708.664
IMG (150)	11653	11655	20140925043329.256	20140925043329.690
IMG (150)	3412	5789	20140925081810.297	20140925082729.631
IMG (150)	5836	5852	20140925082740.444	20140925082744.553
IMG (150)	5857	5859	20140925082745.631	20140925082746.065
IMG (150)	5859	6570	20140925082746.065	20140925083033.412
IMG (150)	6570	6578	20140925083033.412	20140925083035.143
IMG (150)	6578	6604	20140925083035.143	20140925083041.412
IMG (150)	6604	6620	20140925083041.412	20140925083045.088
IMG (150)	6622	6655	20140925083045.736	20140925083053.303
IMG (150)	6658	6662	20140925083054.385	20140925083055.248

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	6662	6686	20140925083055.248	20140925083100.440
IMG (150)	6686	6697	20140925083100.440	20140925083103.467
IMG (150)	6697	6712	20140925083103.467	20140925083106.709
IMG (150)	6712	6752	20140925083106.709	20140925083116.006
IMG (150)	6778	6783	20140925083122.275	20140925083123.357
IMG (150)	6783	6795	20140925083123.357	20140925083126.600
IMG (150)	6805	6808	20140925083128.760	20140925083129.412
IMG (150)	6828	6901	20140925083134.381	20140925083151.463
IMG (150)	6903	6935	20140925083151.896	20140925083159.463
IMG (150)	6935	6980	20140925083159.463	20140925083209.842
IMG (150)	6980	7113	20140925083209.842	20140925083241.193
IMG (150)	7113	7120	20140925083241.193	20140925083242.705
IMG (150)	7121	7172	20140925083242.924	20140925083255.244
IMG (150)	7172	7208	20140925083255.244	20140925083303.678
IMG (150)	7417	7420	20140925083352.756	20140925083353.408
IMG (150)	7422	7427	20140925083353.838	20140925083354.920
IMG (150)	7427	7429	20140925083354.920	20140925083355.353
IMG (150)	7429	7432	20140925083355.353	20140925083356.002
IMG (150)	7432	7434	20140925083356.002	20140925083356.435
IMG (150)	7434	7436	20140925083356.435	20140925083357.080
IMG (150)	7440	7447	20140925083358.381	20140925083359.892
IMG (150)	7447	7449	20140925083359.892	20140925083400.326
IMG (150)	7449	7456	20140925083400.326	20140925083401.838
IMG (150)	7456	7463	20140925083401.838	20140925083403.353
IMG (150)	7463	7466	20140925083403.353	20140925083404.002
IMG (150)	7466	7476	20140925083404.002	20140925083406.810
IMG (150)	7476	7479	20140925083406.810	20140925083407.459
IMG (150)	7481	7490	20140925083407.892	20140925083409.838
IMG (150)	7490	7497	20140925083409.838	20140925083411.353
IMG (150)	7497	7499	20140925083411.353	20140925083411.783
IMG (150)	7499	7517	20140925083411.783	20140925083416.326
IMG (150)	7517	7519	20140925083416.326	20140925083416.759
IMG (150)	7519	7526	20140925083416.759	20140925083418.271
IMG (150)	7526	7529	20140925083418.271	20140925083418.920
IMG (150)	9618	10003	20140925084230.832	20140925084401.211
IMG (150)	10773	10801	20140925084702.613	20140925084708.664
VER (160)	13641	13643	20140925023956.719	20140925023956.719
VER (160)	13831	13833	20140925024500.710	20140925024500.710
VER (160)	9941	10292	20140925081804.676	20140925082732.659
VER (160)	10293	10296	20140925082732.659	20140925082732.659
VER (160)	10296	10416	20140925082732.659	20140925083043.791
VER (160)	10416	10432	20140925083043.791	20140925083116.654
VER (160)	10436	10442	20140925083116.654	20140925083132.654
VER (160)	10446	10502	20140925083132.654	20140925083308.650
VER (160)	10531	10536	20140925083348.650	20140925083356.650
VER (160)	10536	10539	20140925083356.650	20140925083404.431
VER (160)	10539	10547	20140925083404.431	20140925083420.650
VER (160)	10856	10912	20140925084228.672	20140925084404.668
AUX (180)	11817	11888	20140925081805.109	20140925082733.092
AUX (180)	11888	11912	20140925082733.092	20140925083045.088
AUX (180)	11912	11916	20140925083045.088	20140925083117.084
AUX (180)	11916	11918	20140925083117.084	20140925083133.084
AUX (180)	11918	11930	20140925083133.084	20140925083309.084

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
AUX (180)	11936	11939	20140925083357.080	20140925083421.084
AUX (180)	12000	12012	20140925084229.106	20140925084405.102

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
25/09/2014 00:00:04	-	Normal operation

Table 3: Instrument modes

4 L0 and L1 Data Quality

Flag	Value	Action
L0 IASI PDUs	479	-
L1 ENG PDUs	478	-
L1 ENG distinct GEPSGranule	479	-
GQisFlagQual set (PX1)	99.20 %	-
GQisFlagQual set (PX2)	99.16 %	-
GQisFlagQual set (PX3)	99.22 %	-
GQisFlagQual set (PX4)	99.27 %	-
GQisFlagQual set (all)	99.21 %	-

Table 4: Quality flags

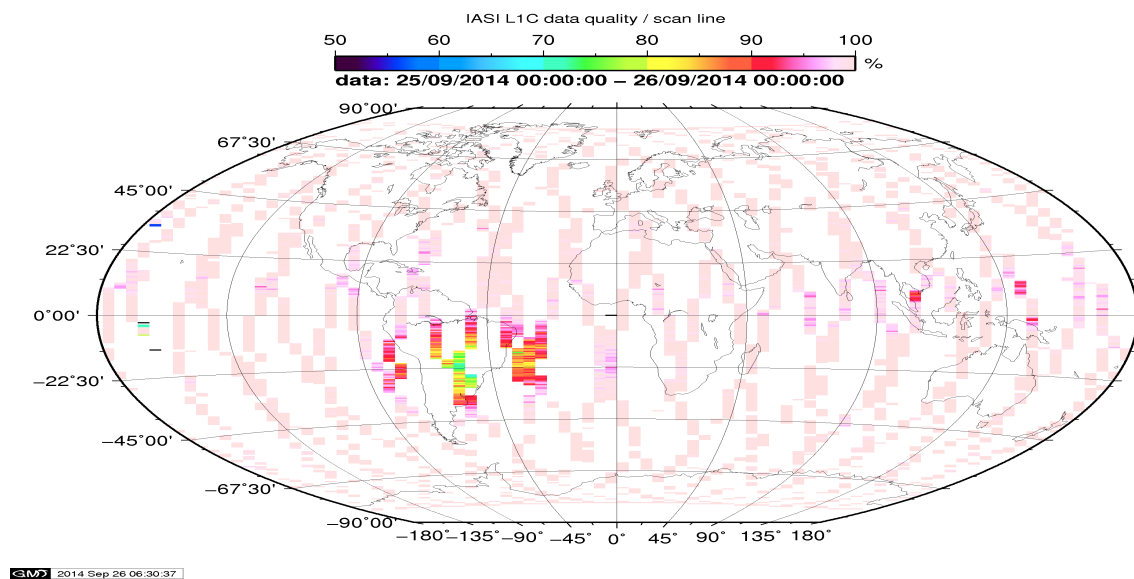


Figure 1: L1C data quality

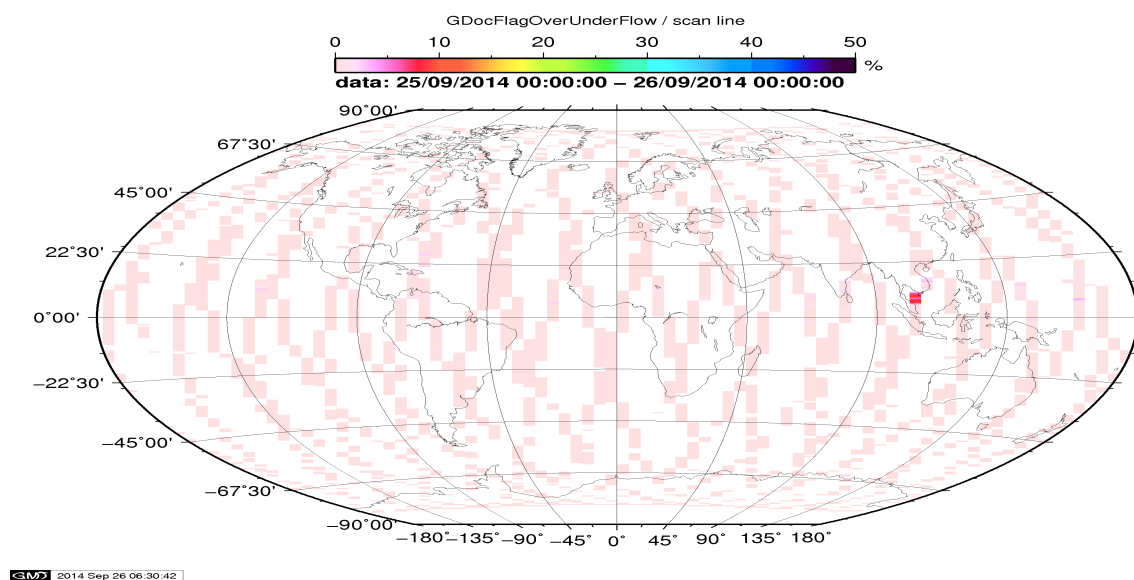


Figure 2: Flag of Over and Under Flows

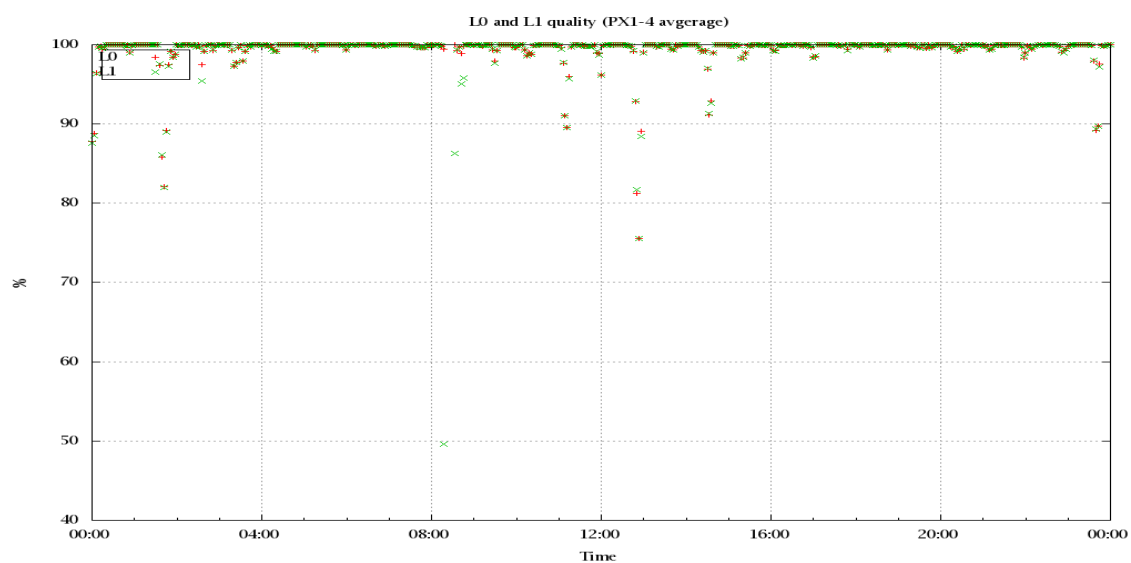


Figure 3: Level 0 and 1C overall quality

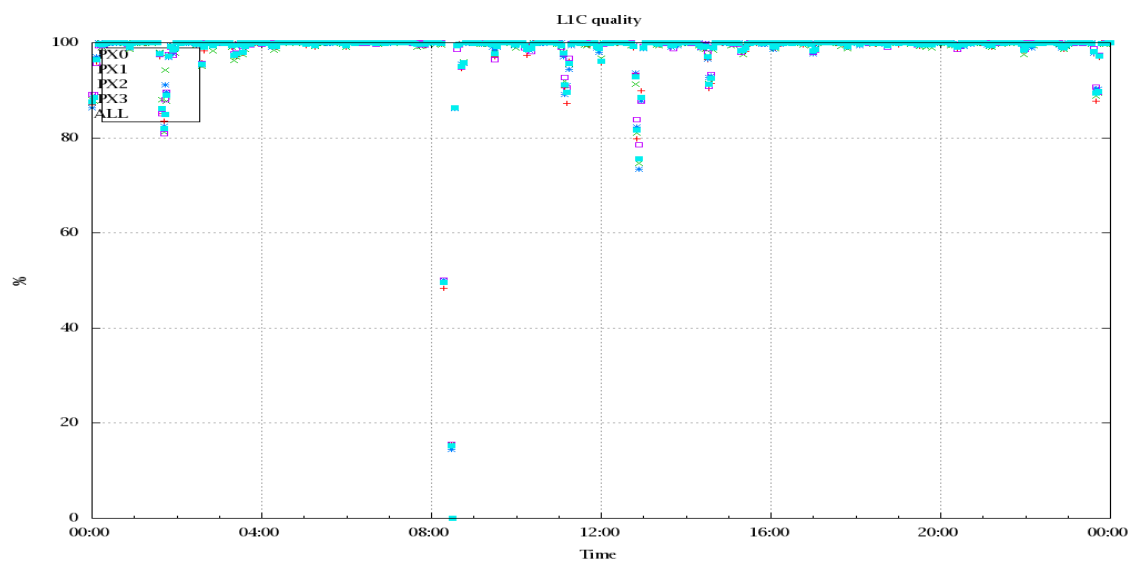


Figure 4: Level 1C quality

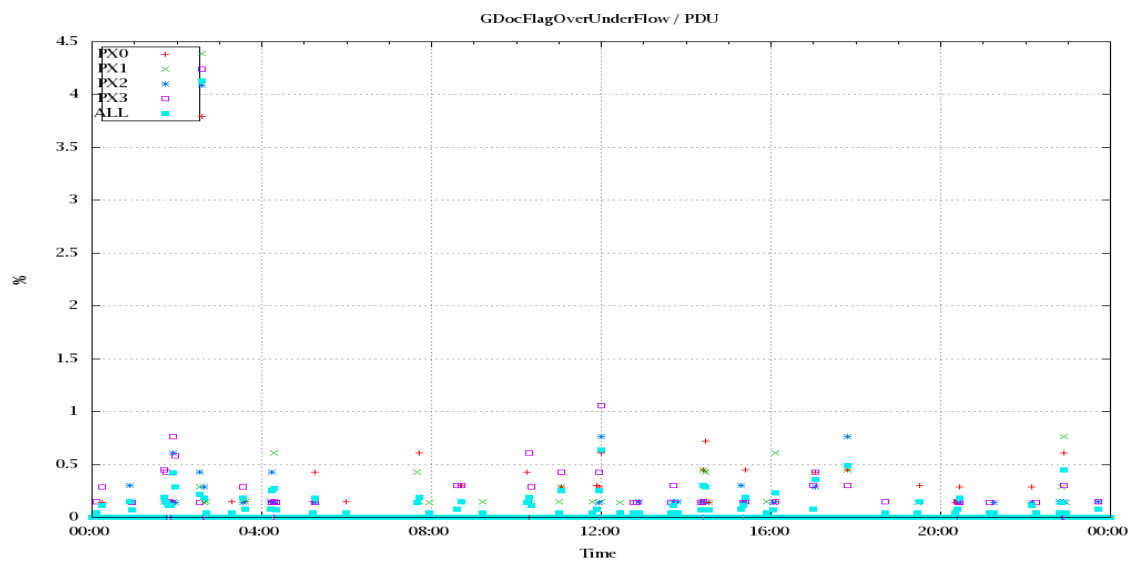


Figure 5: OverUnderFlowFlag timeseries

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.

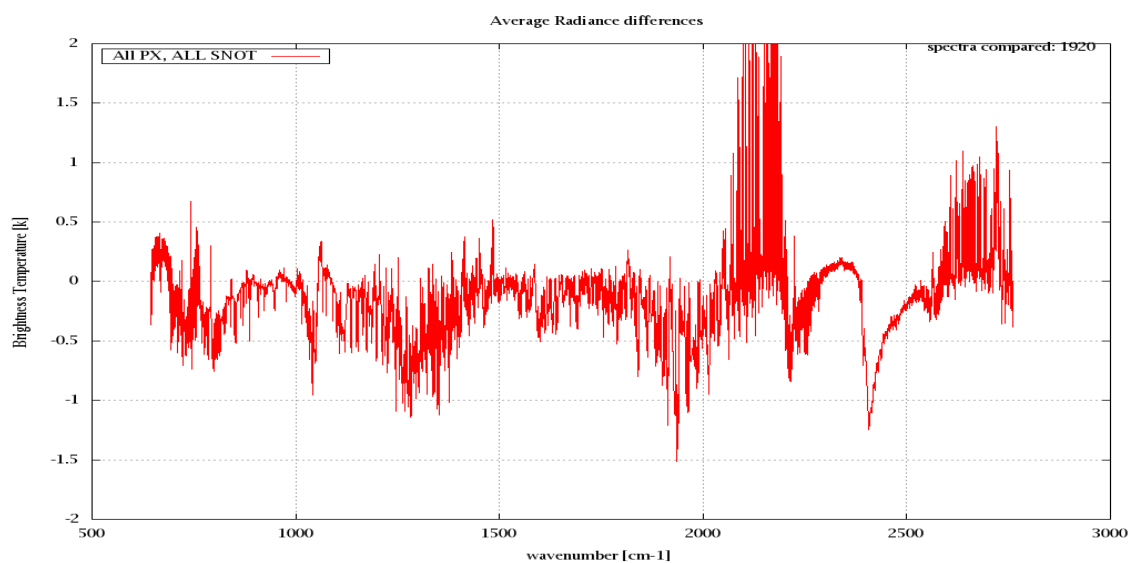


Figure 6: Average Radiance differences: OBS-CAL

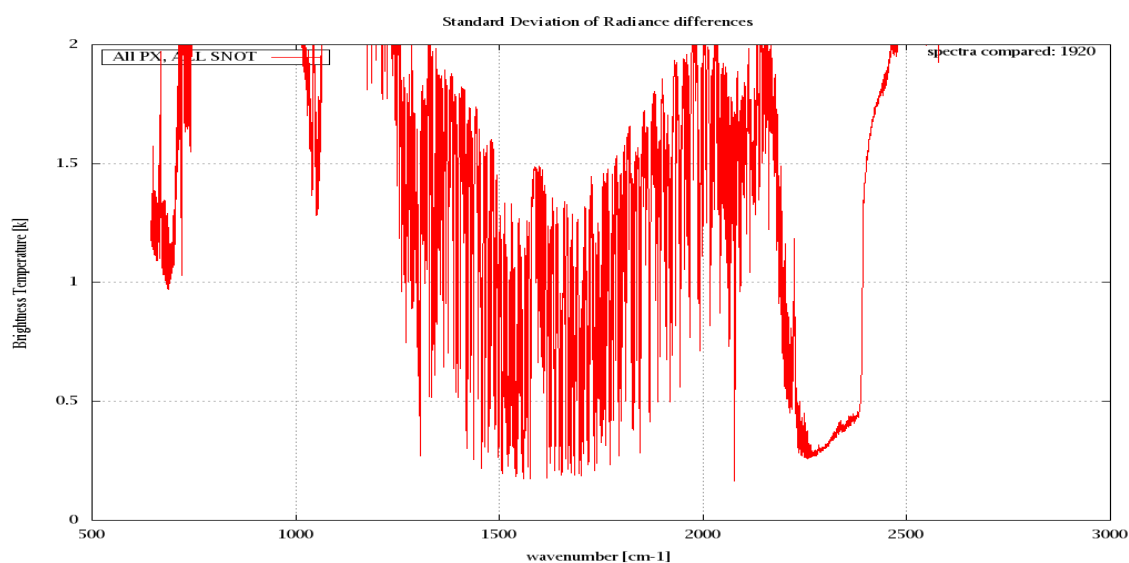


Figure 7: Standard Deviation of Radiance differences

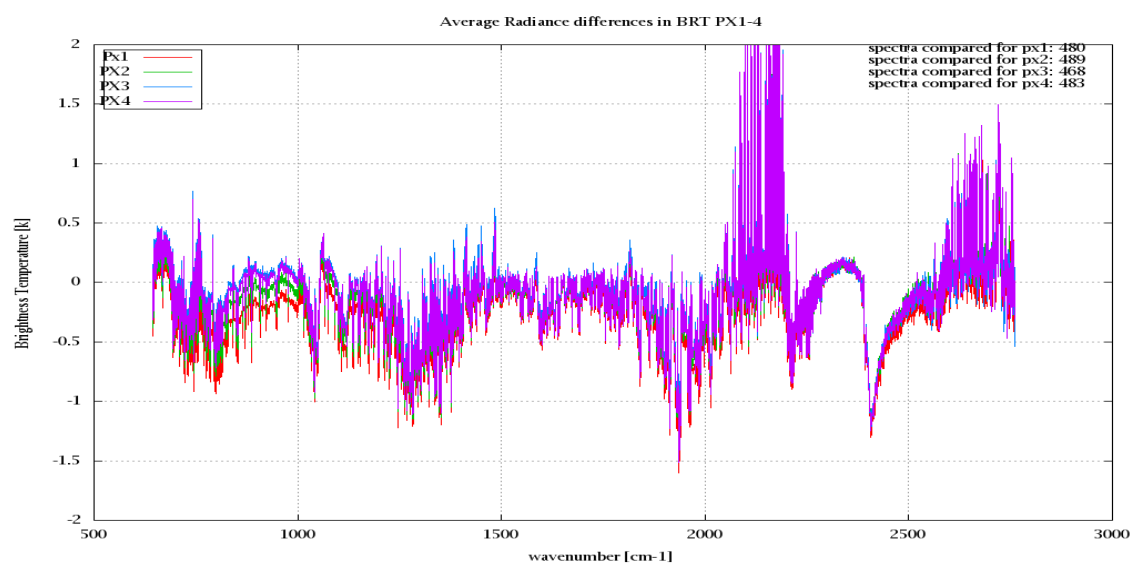


Figure 8: Average Radiance differences: OBS-CAL

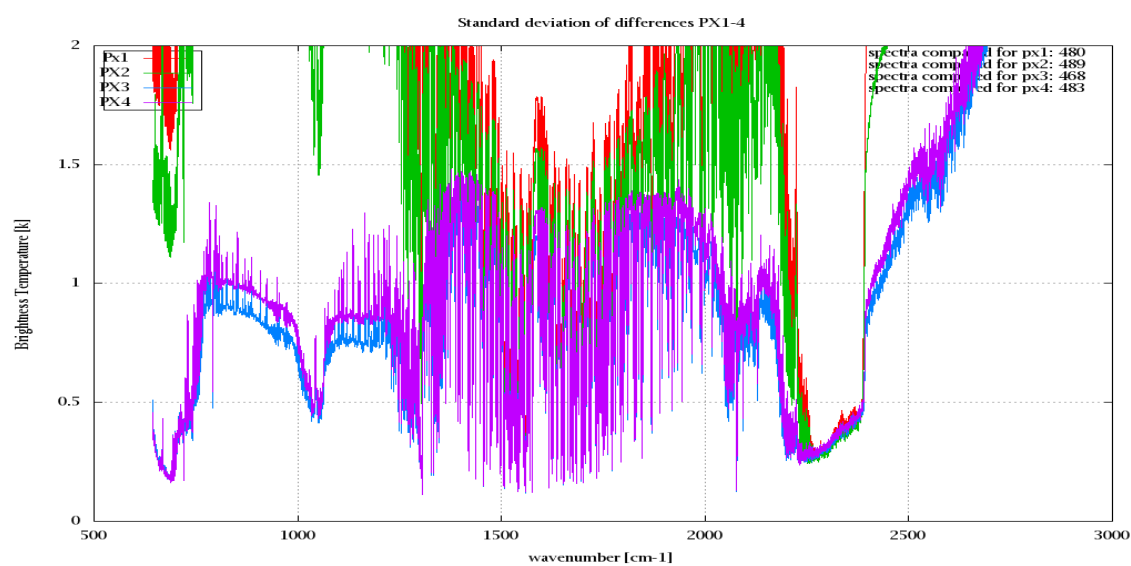


Figure 9: Standard Deviation of Radiance differences

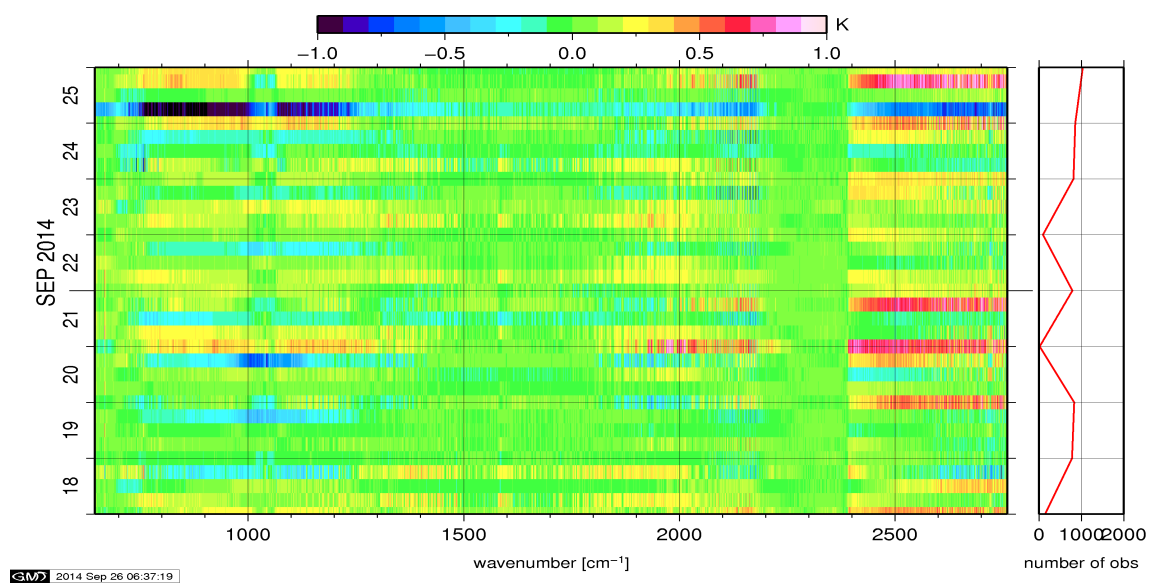


Figure 10: Radiance Anomaly in BRT: All Channels

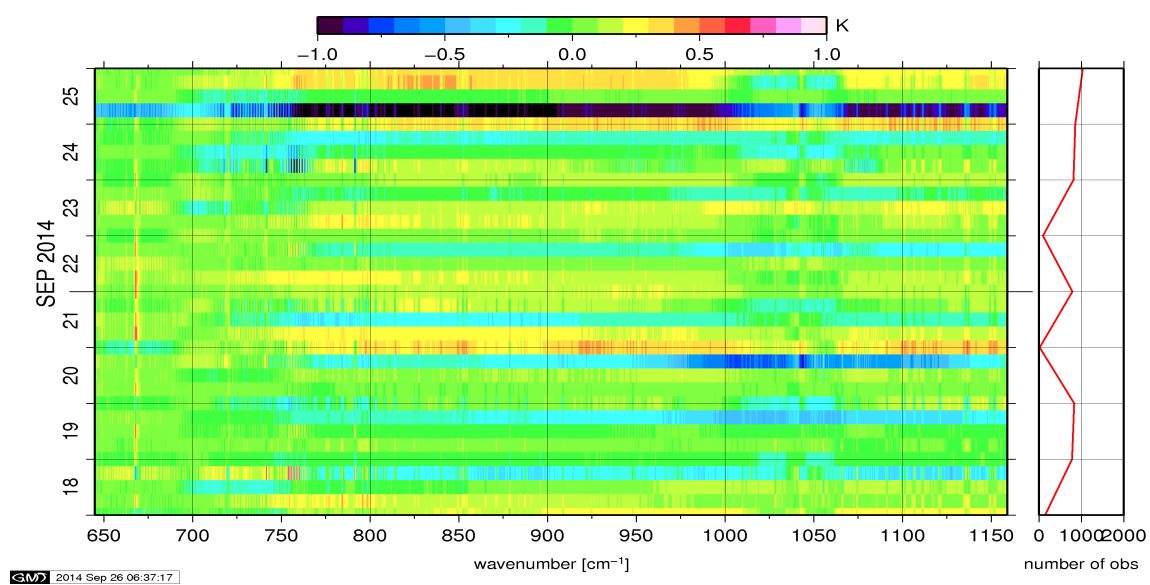


Figure 11: Radiance Anomaly in BRT: IASI Band 1

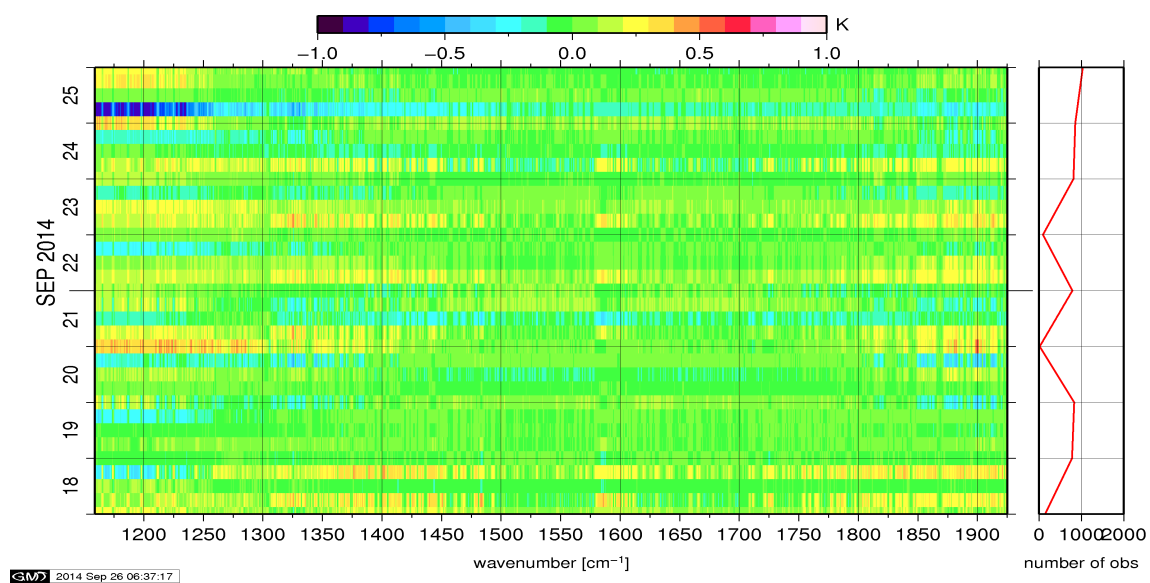


Figure 12: Radiance Anomaly in BRT: IASI Band 2

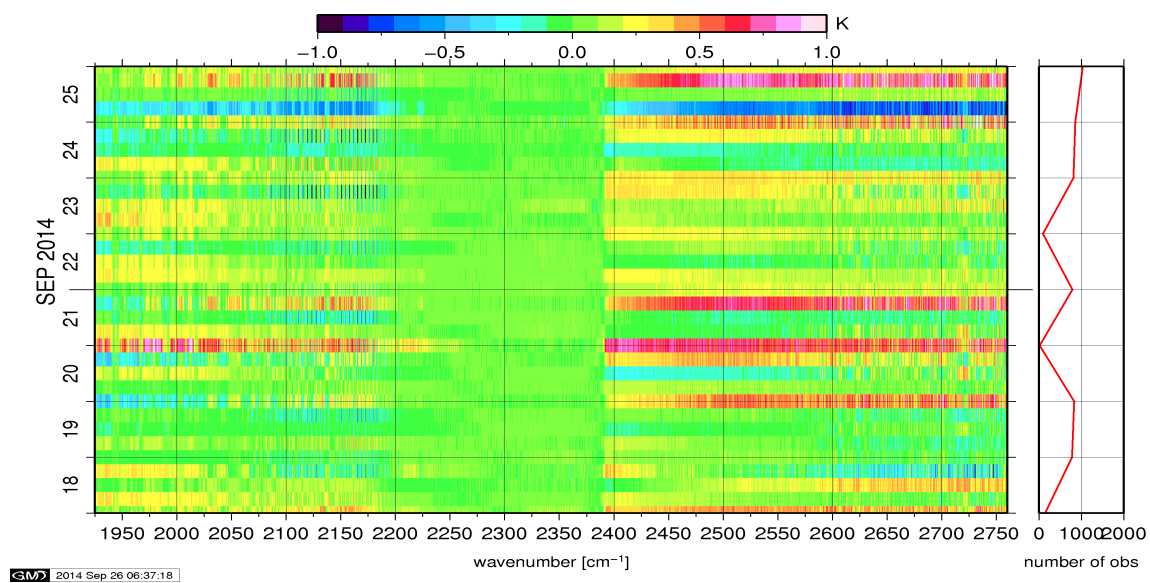


Figure 13: Radiance Anomaly in BRT: IASI Band 3

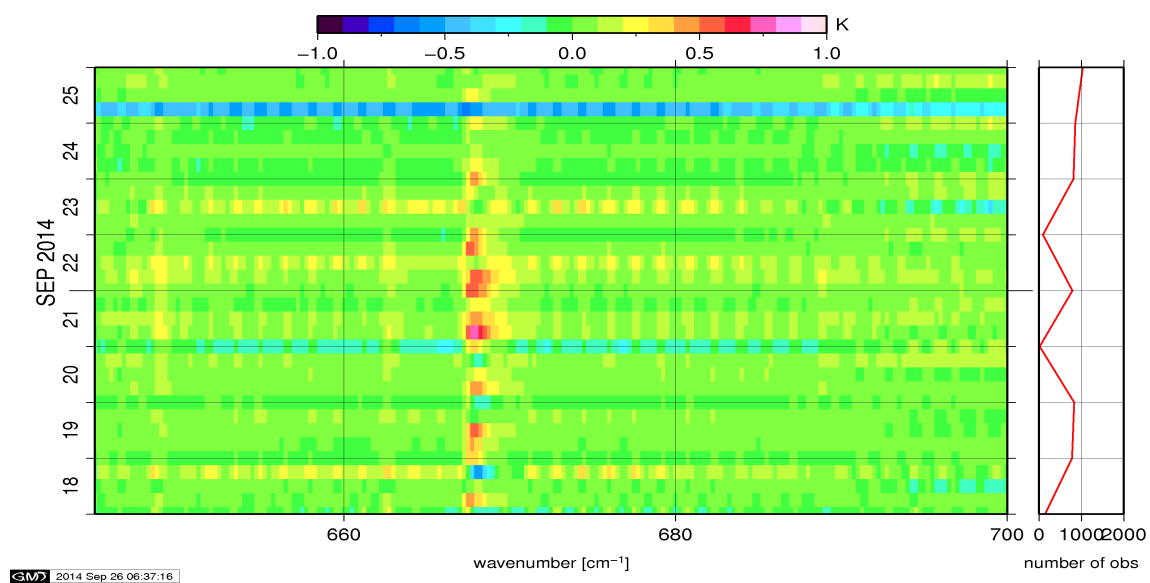


Figure 14: Radiance Anomaly in BRT: CO2 14

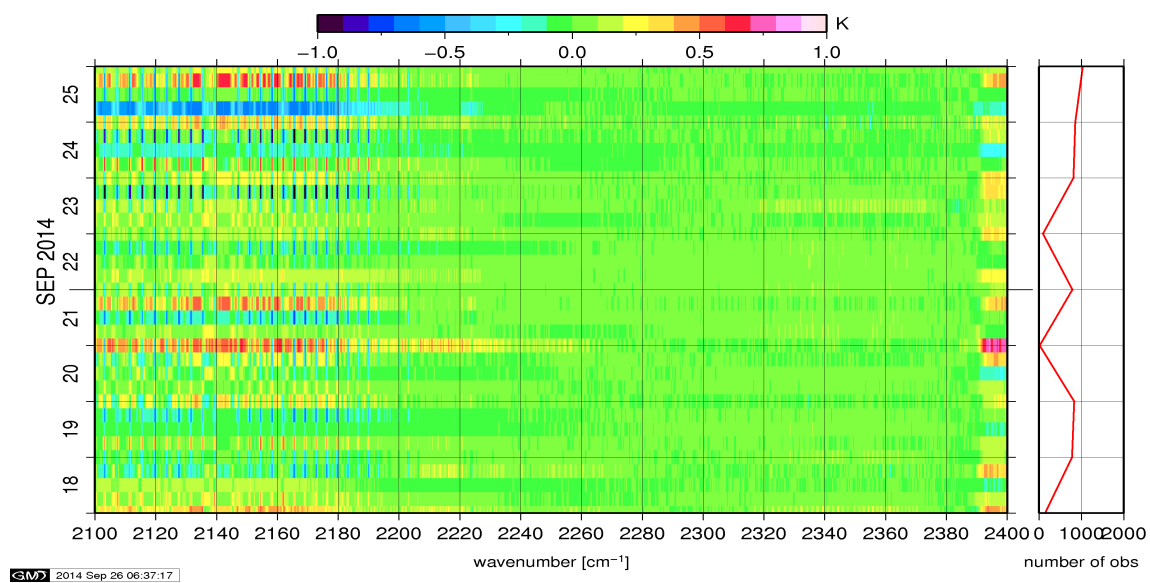


Figure 15: Radiance Anomaly in BRT: CO2 4.3

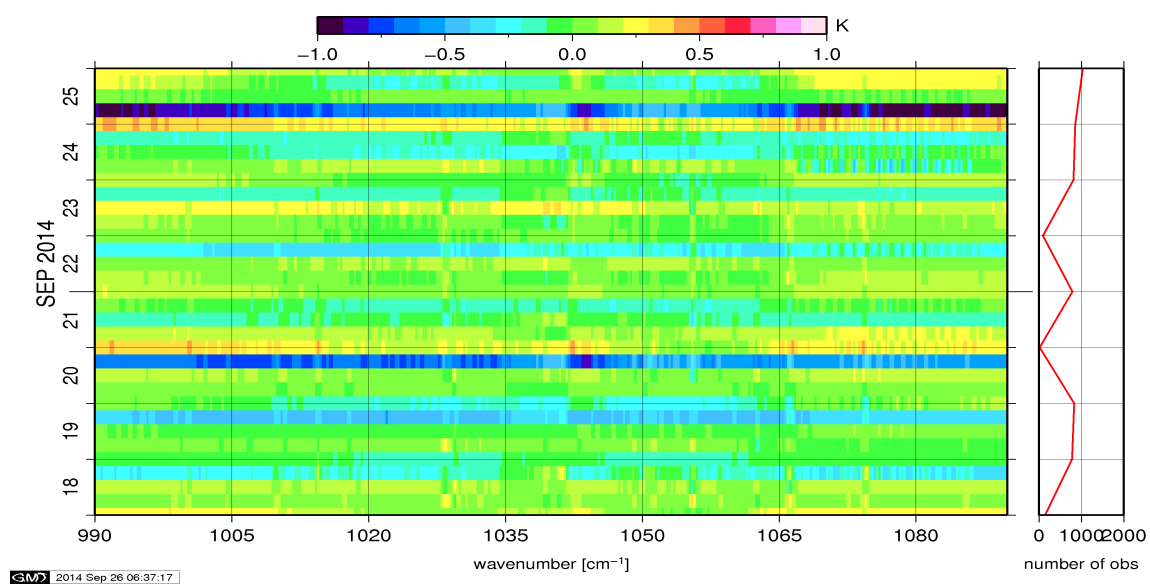


Figure 16: Radiance Anomaly in BRT: O3

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.

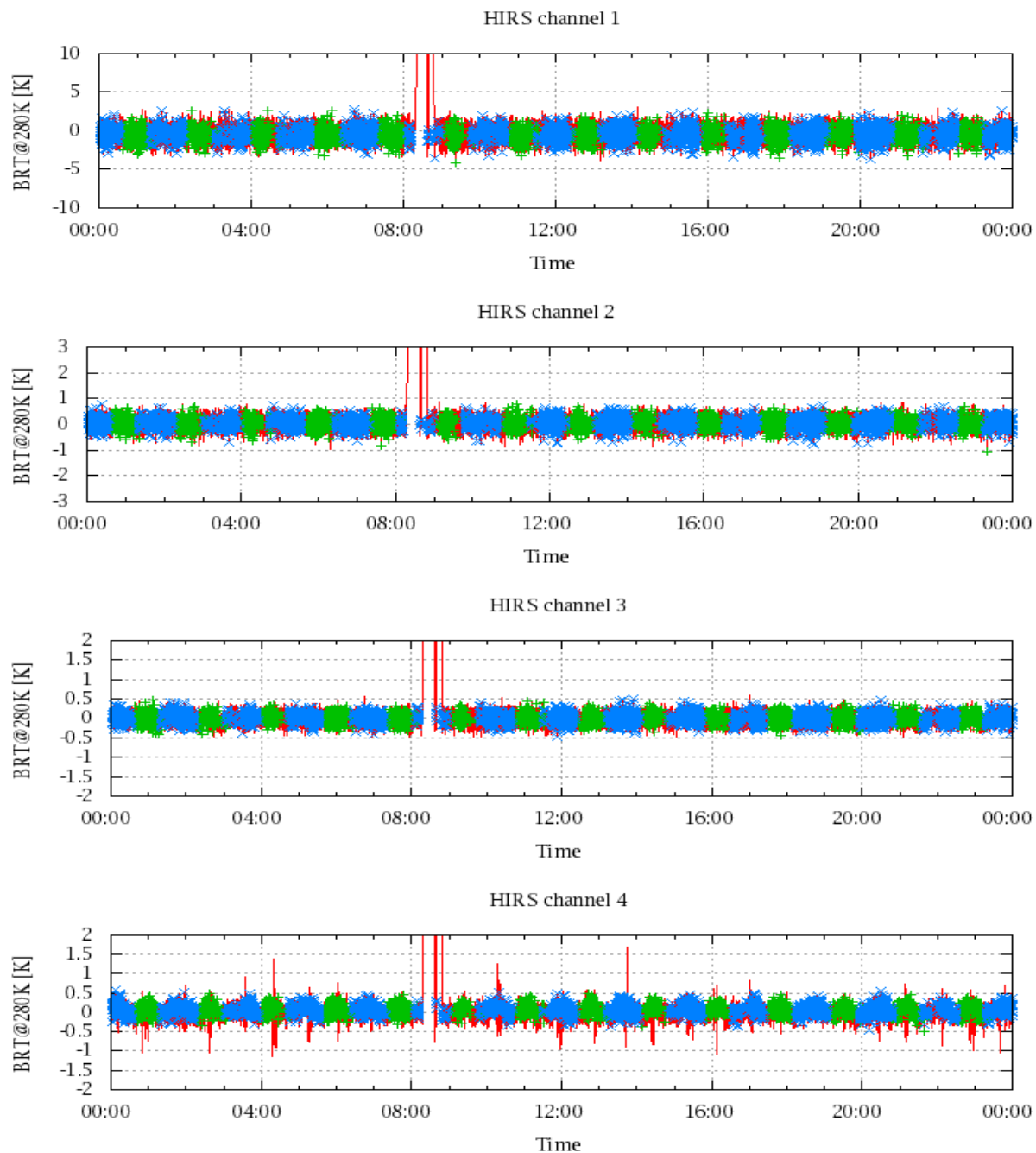


Figure 17: Radiance Differences in BRT

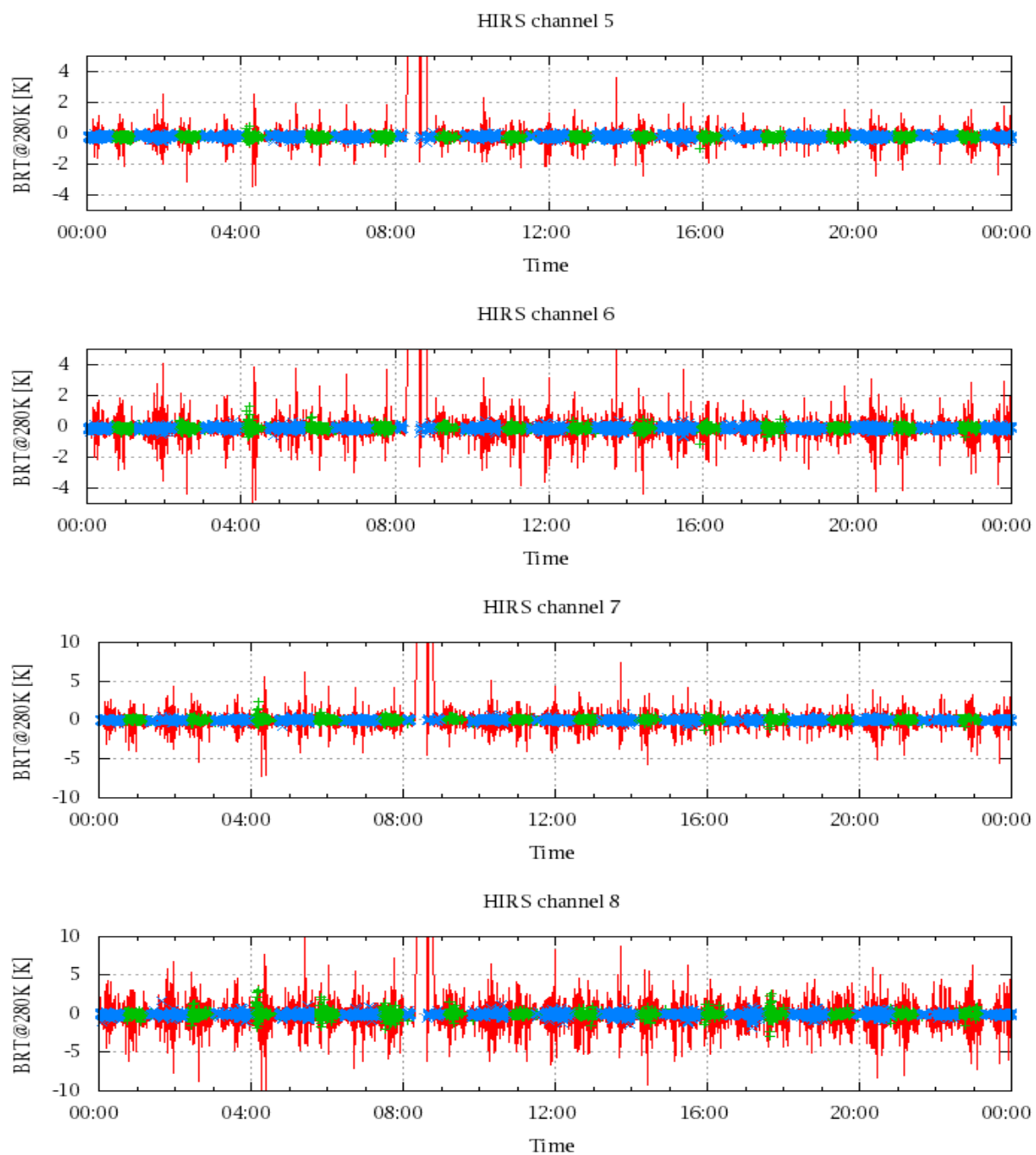


Figure 18: Radiance Differences in BRT

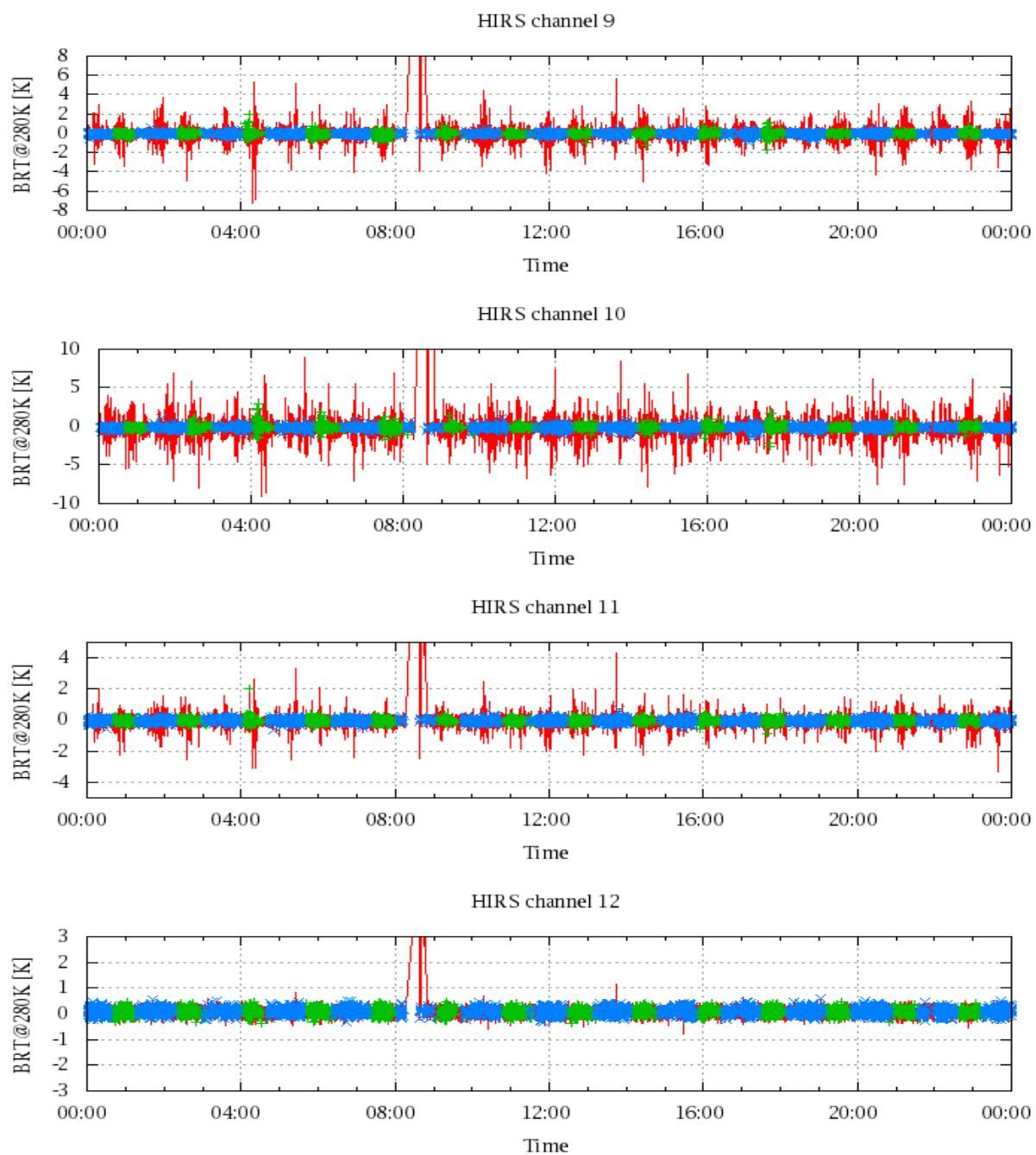


Figure 19: Radiance Differences in BRT

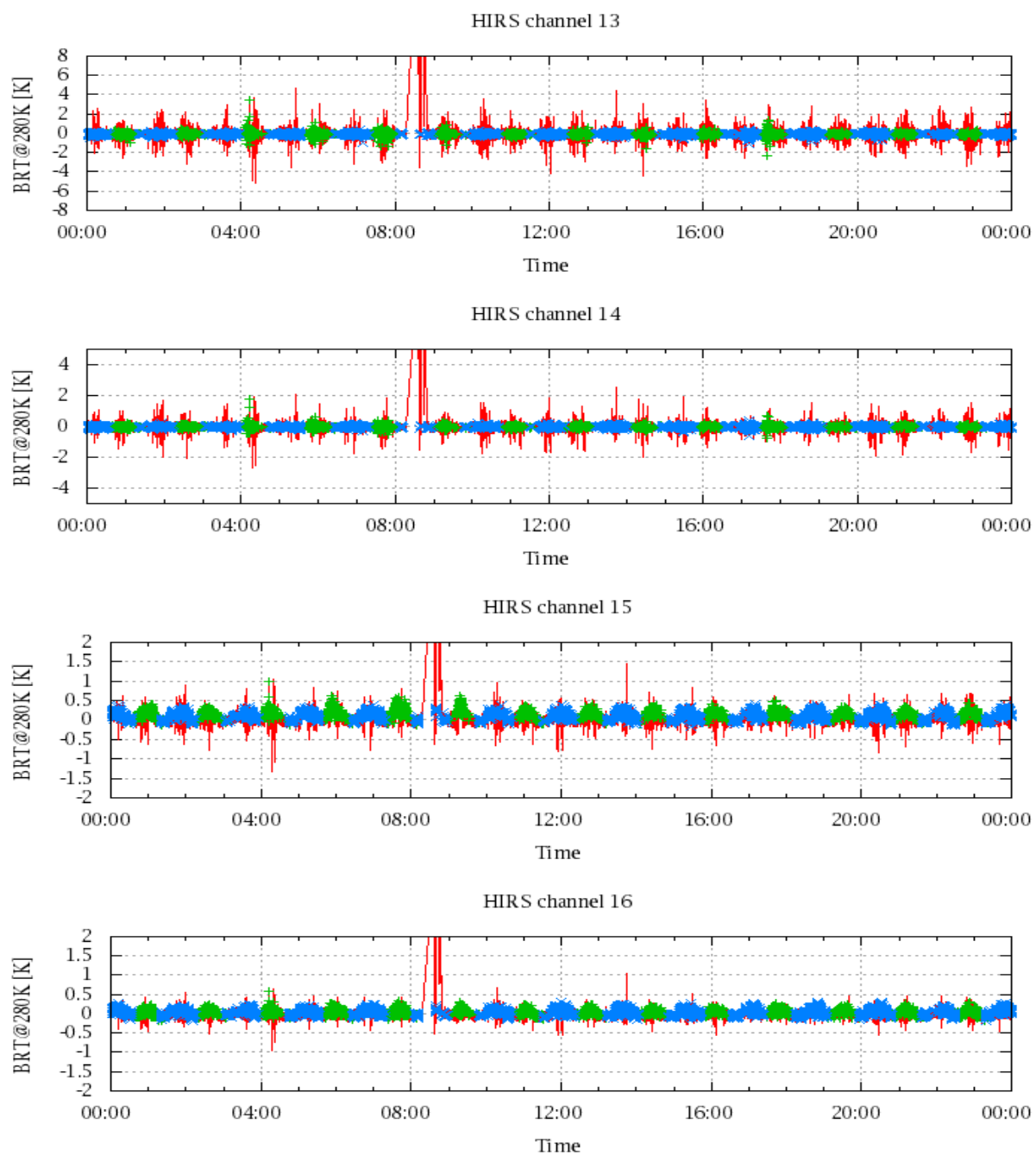


Figure 20: Radiance Differences in BRT

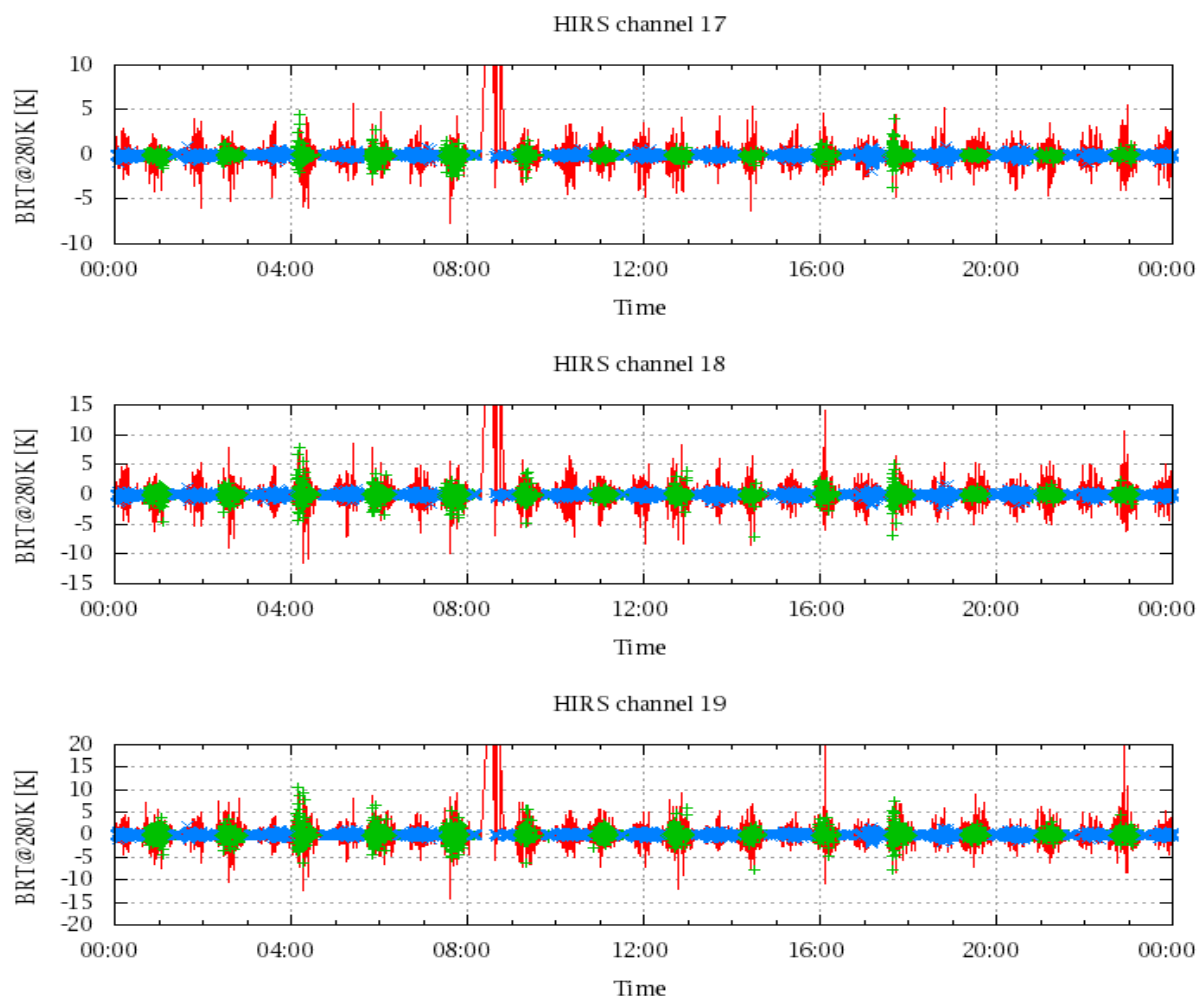


Figure 21: Radinace Differences in BRT