IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

11/08/2013 00:00:00 - 12/08/2013 00:00:00

1 Introduction

This report provides summary monitoring plots and figures from IASI instrument on the MetOp-B satellite retrieved from the IASI L0 and L1 ENG product (3 minute data packet) for 11/08/2013 00:00:00 - 12/08/2013 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 11/08/2013 00:00:00 - 12/08/2013 00:00:00

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

Table 1: Data quantity

APID	**Seq from**	**Seq to**	**Time from**	**Time to**
PX1 (130)	5593	5595	20130811085251.564	20130811085251.994
PX1 (130)	5596	5598	20130811085252.212	20130811085252.642
PX1 (130)	5608	5611	20130811085254.806	20130811085255.455
PX1 (130)	5611	5613	20130811085255.455	20130811085255.888
PX1 (130)	5618	5621	20130811085258.482	20130811085259.130
PX1 (130)	5621	5625	20130811085259.130	20130811085259.994
PX1 (130)	5625	5627	20130811085259.994	20130811085300.427
PX1 (130)	5628	5630	20130811085300.642	20130811085301.076
PX1 (130)	5630	5632	20130811085301.076	20130811085301.509
PX1 (130)	5633	5638	20130811085301.724	20130811085302.806
PX1 (130)	5638	5644	20130811085302.806	20130811085304.103
PX1 (130)	1759	1761	20130811110126.553	20130811110126.986
PX1 (130)	1762	1766	20130811110127.201	20130811110128.064
PX1 (130)	1768	1772	20130811110130.014	20130811110130.877
PX1 (130)	1772	1774	20130811110130.877	20130811110131.310
PX1 (130)	1774	1776	20130811110131.310	20130811110131.744
PX1 (130)	1778	1780	20130811110132.174	20130811110132.607
PX1 (130)	1782	1784	20130811110133.041	20130811110133.471

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	1786	1788	20130811110133.904	20130811110134.338
PX1 (130)	1791	1793	20130811110134.986	20130811110135.416
PX1 (130)	1793	1798	20130811110135.416	20130811110138.014
PX1 (130)	1798	1800	20130811110138.014	20130811110138.447
PX1 (130)	1800	1803	20130811110138.447	20130811110139.092
PX1 (130)	1803	1806	20130811110139.092	20130811110139.740
PX1 (130)	1810	1812	20130811110140.607	20130811110141.037
PX1 (130)	1813	1815	20130811110141.256	20130811110141.689
PX1 (130)	1815	1817	20130811110141.689	20130811110142.119
PX1 (130)	1817	1820	20130811110142.119	20130811110142.767
PX1 (130)	1823	1825	20130811110143.416	20130811110143.849
PX1 (130)	1827	1830	20130811110145.795	20130811110146.447
PX1 (130)	1830	1832	20130811110146.447	20130811110146.877
PX1 (130)	1837	1841	20130811110147.959	20130811110148.822
PX1 (130)	1841	1843	20130811110148.822	20130811110149.256
PX1 (130)	1843	1846	20130811110149.256	20130811110149.904
PX1 (130)	1849	1851	20130811110150.553	20130811110150.986
PX1 (130)	1853	1858	20130811110151.416	20130811110154.014
PX1 (130)	1863	1865	20130811110155.092	20130811110155.525
PX1 (130)	1865	1868	20130811110155.525	20130811110156.174
PX1 (130)	1868	1870	20130811110156.174	20130811110156.607
PX1 (130)	1886	1889	20130811110200.064	20130811110202.228
PX1 (130)	1891	1893	20130811110202.658	20130811110203.092
PX1 (130)	1895	1899	20130811110203.525	20130811110204.389
PX1 (130)	1899	1901	20130811110204.389	20130811110204.822
PX1 (130)	4526	4528	20130811111344.083	20130811111346.028
PX1 (130)	4546	4552	20130811111349.919	20130811111351.220
PX1 (130)	4552	4554	20130811111351.220	20130811111351.649
PX1 (130)	4554	4557	20130811111351.649	20130811111353.813
PX1 (130)	4558	4561	20130811111354.028	20130811111354.677
PX1 (130)	4561	4575	20130811111354.677	20130811111357.704
PX1 (130)	4575	4580	20130811111357.704	20130811111358.786
PX1 (130)	4580	4582	20130811111358.786	20130811111359.216
PX1 (130)	4584	4590	20130811111359.649	20130811111402.462
PX1 (130)	4590	4592	20130811111402.462	20130811111402.891
PX1 (130)	4593	4596	20130811111403.110	20130811111403.759
PX1 (130)	4596	4598	20130811111403.759	20130811111404.192
PX1 (130)	4601	4604	20130811111404.837	20130811111405.489
PX1 (130)	6134	6161	20130811112053.477	20130811112100.828
PX1 (130)	6161	6168	20130811112100.828	20130811112102.340
PX1 (130)	6178	6180	20130811112106.016	20130811112106.449
PX1 (130)	6181	6183	20130811112106.664	20130811112107.098
PX1 (130)	6183	6186	20130811112107.098	20130811112107.746
PX1 (130)	6193	6195	20130811112109.258	20130811112109.692
PX1 (130)	6197	6199	20130811112110.125	20130811112110.555
PX1 (130)	6207	6209	20130811112113.797	20130811112114.231
PX1 (130)	6209	6212	20130811112114.231	20130811112114.879
PX1 (130)	6212	6214	20130811112114.879	20130811112115.313
PX1 (130)	6214	6216	20130811112115.313	20130811112115.746
PX1 (130)	6217	6219	20130811112115.961	20130811112116.395
PX1 (130)	6221	6223	20130811112116.824	20130811112117.258
PX1 (130)	6224	6226	20130811112117.477	20130811112117.906
PX1 (130)	6227	6229	20130811112118.121	20130811112118.555

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	5596	5598	20130811085252.212	20130811085252.642
PX2 (135)	5604	5606	20130811085253.943	20130811085254.373
PX2 (135)	5607	5609	20130811085254.591	20130811085255.021
PX2 (135)	5609	5611	20130811085255.021	20130811085255.455
PX2 (135)	5611	5613	20130811085255.455	20130811085255.888
PX2 (135)	5616	5618	20130811085258.048	20130811085258.482
PX2 (135)	5619	5621	20130811085258.697	20130811085259.130
PX2 (135)	5622	5624	20130811085259.345	20130811085259.779
PX2 (135)	5627	5633	20130811085300.427	20130811085301.724
PX2 (135)	5633	5635	20130811085301.724	20130811085302.158
PX2 (135)	5638	5644	20130811085302.806	20130811085304.103
PX2 (135)	1755	1758	20130811110125.689	20130811110126.338
PX2 (135)	1759	1761	20130811110126.553	20130811110126.986
PX2 (135)	1764	1766	20130811110127.635	20130811110128.064
PX2 (135)	1768	1772	20130811110130.014	20130811110130.877
PX2 (135)	1772	1774	20130811110130.877	20130811110131.310
PX2 (135)	1774	1776	20130811110131.310	20130811110131.744
PX2 (135)	1776	1780	20130811110131.744	20130811110132.607
PX2 (135)	1780	1782	20130811110132.607	20130811110133.041
PX2 (135)	1782	1785	20130811110133.041	20130811110133.685
PX2 (135)	1786	1788	20130811110133.904	20130811110134.338
PX2 (135)	1791	1793	20130811110134.986	20130811110135.416
PX2 (135)	1793	1798	20130811110135.416	20130811110138.014
PX2 (135)	1800	1803	20130811110138.447	20130811110139.092
PX2 (135)	1803	1805	20130811110139.092	20130811110139.525
PX2 (135)	1810	1812	20130811110140.607	20130811110141.037
PX2 (135)	1815	1817	20130811110141.689	20130811110142.119
PX2 (135)	1817	1819	20130811110142.119	20130811110142.553
PX2 (135)	1823	1825	20130811110143.416	20130811110143.849
PX2 (135)	1827	1830	20130811110145.795	20130811110146.447
PX2 (135)	1830	1835	20130811110146.447	20130811110147.525
PX2 (135)	1837	1841	20130811110147.959	20130811110148.822
PX2 (135)	1841	1843	20130811110148.822	20130811110149.256
PX2 (135)	1843	1846	20130811110149.256	20130811110149.904
PX2 (135)	1847	1851	20130811110150.119	20130811110150.986
PX2 (135)	1851	1853	20130811110150.986	20130811110151.416
PX2 (135)	1853	1858	20130811110151.416	20130811110154.014
PX2 (135)	1858	1860	20130811110154.014	20130811110154.447
PX2 (135)	1861	1863	20130811110154.662	20130811110155.092
PX2 (135)	1863	1865	20130811110155.092	20130811110155.525
PX2 (135)	1865	1867	20130811110155.525	20130811110155.959
PX2 (135)	1868	1870	20130811110156.174	20130811110156.607
PX2 (135)	1886	1889	20130811110200.064	20130811110202.228
PX2 (135)	1891	1893	20130811110202.658	20130811110203.092
PX2 (135)	1896	1898	20130811110203.740	20130811110204.174
PX2 (135)	1899	1902	20130811110204.389	20130811110205.037
PX2 (135)	4526	4528	20130811111344.083	20130811111346.028
PX2 (135)	4548	4557	20130811111350.352	20130811111353.813
PX2 (135)	4558	4580	20130811111354.028	20130811111358.786
PX2 (135)	4580	4582	20130811111358.786	20130811111359.216
PX2 (135)	4582	4584	20130811111359.216	20130811111359.649
PX2 (135)	4584	4588	20130811111359.649	20130811111402.028
PX2 (135)	4588	4590	20130811111402.028	20130811111402.462

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	4590	4593	20130811111402.462	20130811111403.110
PX2 (135)	4593	4596	20130811111403.110	20130811111403.759
PX2 (135)	4598	4600	20130811111404.192	20130811111404.622
PX2 (135)	4601	4604	20130811111404.837	20130811111405.489
PX2 (135)	4607	4609	20130811111406.137	20130811111406.567
PX2 (135)	6134	6161	20130811112053.477	20130811112100.828
PX2 (135)	6161	6165	20130811112100.828	20130811112101.692
PX2 (135)	6166	6168	20130811112101.906	20130811112102.340
PX2 (135)	6180	6183	20130811112106.449	20130811112107.098
PX2 (135)	6183	6186	20130811112107.098	20130811112107.746
PX2 (135)	6187	6189	20130811112107.961	20130811112108.395
PX2 (135)	6196	6198	20130811112109.906	20130811112110.340
PX2 (135)	6201	6203	20130811112110.988	20130811112111.422
PX2 (135)	6207	6209	20130811112113.797	20130811112114.231
PX2 (135)	6209	6212	20130811112114.231	20130811112114.879
PX2 (135)	6212	6214	20130811112114.879	20130811112115.313
PX2 (135)	6214	6216	20130811112115.313	20130811112115.746
PX2 (135)	6217	6219	20130811112115.961	20130811112116.395
PX2 (135)	6220	6222	20130811112116.609	20130811112117.043
PX2 (135)	6224	6227	20130811112117.477	20130811112118.121
PX2 (135)	6227	6231	20130811112118.121	20130811112118.988
PX3 (140)	5592	5595	20130811085251.345	20130811085251.994
PX3 (140)	5596	5598	20130811085252.212	20130811085252.642
PX3 (140)	5604	5606	20130811085253.943	20130811085254.373
PX3 (140)	5607	5609	20130811085254.591	20130811085255.021
PX3 (140)	5609	5611	20130811085255.021	20130811085255.455
PX3 (140)	5611	5613	20130811085255.455	20130811085255.888
PX3 (140)	5614	5616	20130811085256.103	20130811085258.048
PX3 (140)	5616	5618	20130811085258.048	20130811085258.482
PX3 (140)	5619	5621	20130811085258.697	20130811085259.130
PX3 (140)	5622	5624	20130811085259.345	20130811085259.779
PX3 (140)	5627	5631	20130811085300.427	20130811085301.291
PX3 (140)	5631	5633	20130811085301.291	20130811085301.724
PX3 (140)	5638	5640	20130811085302.806	20130811085303.240
PX3 (140)	5640	5642	20130811085303.240	20130811085303.669
PX3 (140)	5642	5644	20130811085303.669	20130811085304.103
PX3 (140)	1755	1758	20130811110125.689	20130811110126.338
PX3 (140)	1759	1761	20130811110126.553	20130811110126.986
PX3 (140)	1762	1764	20130811110127.201	20130811110127.635
PX3 (140)	1764	1766	20130811110127.635	20130811110128.064
PX3 (140)	1768	1779	20130811110130.014	20130811110132.389
PX3 (140)	1780	1782	20130811110132.607	20130811110133.041
PX3 (140)	1783	1785	20130811110133.256	20130811110133.685
PX3 (140)	1785	1788	20130811110133.685	20130811110134.338
PX3 (140)	1791	1793	20130811110134.986	20130811110135.416
PX3 (140)	1796	1798	20130811110136.068	20130811110138.014
PX3 (140)	1800	1803	20130811110138.447	20130811110139.092
PX3 (140)	1803	1805	20130811110139.092	20130811110139.525
PX3 (140)	1808	1810	20130811110140.174	20130811110140.607
PX3 (140)	1812	1814	20130811110141.037	20130811110141.471
PX3 (140)	1815	1817	20130811110141.689	20130811110142.119
PX3 (140)	1817	1819	20130811110142.119	20130811110142.553
PX3 (140)	1819	1821	20130811110142.553	20130811110142.986

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX3 (140)	1826	1830	20130811110144.064	20130811110146.447
PX3 (140)	1830	1835	20130811110146.447	20130811110147.525
PX3 (140)	1837	1841	20130811110147.959	20130811110148.822
PX3 (140)	1841	1843	20130811110148.822	20130811110149.256
PX3 (140)	1843	1846	20130811110149.256	20130811110149.904
PX3 (140)	1847	1851	20130811110150.119	20130811110150.986
PX3 (140)	1851	1853	20130811110150.986	20130811110151.416
PX3 (140)	1854	1856	20130811110151.635	20130811110152.064
PX3 (140)	1858	1860	20130811110154.014	20130811110154.447
PX3 (140)	1861	1863	20130811110154.662	20130811110155.092
PX3 (140)	1864	1868	20130811110155.310	20130811110156.174
PX3 (140)	1868	1870	20130811110156.174	20130811110156.607
PX3 (140)	1891	1893	20130811110202.658	20130811110203.092
PX3 (140)	1896	1898	20130811110203.740	20130811110204.174
PX3 (140)	1900	1902	20130811110204.607	20130811110205.037
PX3 (140)	4526	4528	20130811111344.083	20130811111346.028
PX3 (140)	4545	4547	20130811111349.704	20130811111350.137
PX3 (140)	4548	4557	20130811111350.352	20130811111353.813
PX3 (140)	4558	4562	20130811111354.028	20130811111354.891
PX3 (140)	4562	4567	20130811111354.891	20130811111355.973
PX3 (140)	4567	4577	20130811111355.973	20130811111358.137
PX3 (140)	4577	4580	20130811111358.137	20130811111358.786
PX3 (140)	4582	4584	20130811111359.216	20130811111359.649
PX3 (140)	4584	4587	20130811111359.649	20130811111401.809
PX3 (140)	4590	4593	20130811111402.462	20130811111403.110
PX3 (140)	4593	4596	20130811111403.110	20130811111403.759
PX3 (140)	4598	4600	20130811111404.192	20130811111404.622
PX3 (140)	4600	4604	20130811111404.622	20130811111405.489
PX3 (140)	4607	4609	20130811111406.137	20130811111406.567
PX3 (140)	6134	6145	20130811112053.477	20130811112055.856
PX3 (140)	6145	6155	20130811112055.856	20130811112059.527
PX3 (140)	6156	6158	20130811112059.746	20130811112100.180
PX3 (140)	6158	6161	20130811112100.180	20130811112100.828
PX3 (140)	6161	6166	20130811112100.828	20130811112101.906
PX3 (140)	6166	6168	20130811112101.906	20130811112102.340
PX3 (140)	6180	6183	20130811112106.449	20130811112107.098
PX3 (140)	6187	6190	20130811112107.961	20130811112108.609
PX3 (140)	6195	6198	20130811112109.692	20130811112110.340
PX3 (140)	6201	6203	20130811112110.988	20130811112111.422
PX3 (140)	6204	6206	20130811112111.637	20130811112112.070
PX3 (140)	6207	6209	20130811112113.797	20130811112114.231
PX3 (140)	6209	6211	20130811112114.231	20130811112114.664
PX3 (140)	6214	6219	20130811112115.313	20130811112116.395
PX3 (140)	6220	6222	20130811112116.609	20130811112117.043
PX3 (140)	6225	6227	20130811112117.692	20130811112118.121
PX3 (140)	6228	6231	20130811112118.340	20130811112118.988
PX3 (140)	6231	6233	20130811112118.988	20130811112119.422
PX4 (145)	5592	5595	20130811085251.345	20130811085251.994
PX4 (145)	5604	5606	20130811085253.943	20130811085254.373
PX4 (145)	5614	5616	20130811085256.103	20130811085258.048
PX4 (145)	5619	5621	20130811085258.697	20130811085259.130
PX4 (145)	5624	5626	20130811085259.779	20130811085300.212
PX4 (145)	5627	5631	20130811085300.427	20130811085301.291

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APID	Seq from	Seq to	Time from	Time to
PX4 (145)	5631	5633	20130811085301.291	20130811085301.724
PX4 (145)	5637	5639	20130811085302.587	20130811085303.021
PX4 (145)	5639	5641	20130811085303.021	20130811085303.455
PX4 (145)	5641	5644	20130811085303.455	20130811085304.103
PX4 (145)	1755	1758	20130811110125.689	20130811110126.338
PX4 (145)	1762	1764	20130811110127.201	20130811110127.635
PX4 (145)	1765	1767	20130811110127.850	20130811110129.795
PX4 (145)	1770	1775	20130811110130.447	20130811110131.525
PX4 (145)	1775	1779	20130811110131.525	20130811110132.389
PX4 (145)	1780	1782	20130811110132.607	20130811110133.041
PX4 (145)	1783	1785	20130811110133.256	20130811110133.685
PX4 (145)	1785	1788	20130811110133.685	20130811110134.338
PX4 (145)	1789	1791	20130811110134.553	20130811110134.986
PX4 (145)	1794	1797	20130811110135.635	20130811110137.795
PX4 (145)	1799	1801	20130811110138.228	20130811110138.662
PX4 (145)	1803	1805	20130811110139.092	20130811110139.525
PX4 (145)	1805	1807	20130811110139.525	20130811110139.959
PX4 (145)	1808	1810	20130811110140.174	20130811110140.607
PX4 (145)	1812	1814	20130811110141.037	20130811110141.471
PX4 (145)	1819	1821	20130811110142.553	20130811110142.986
PX4 (145)	1821	1823	20130811110142.986	20130811110143.416
PX4 (145)	1826	1830	20130811110144.064	20130811110146.447
PX4 (145)	1830	1835	20130811110146.447	20130811110147.525
PX4 (145)	1843	1845	20130811110149.256	20130811110149.689
PX4 (145)	1846	1851	20130811110149.904	20130811110150.986
PX4 (145)	1851	1853	20130811110150.986	20130811110151.416
PX4 (145)	1856	1858	20130811110152.064	20130811110154.014
PX4 (145)	1858	1860	20130811110154.014	20130811110154.447
PX4 (145)	1861	1863	20130811110154.662	20130811110155.092
PX4 (145)	1864	1866	20130811110155.310	20130811110155.740
PX4 (145)	1866	1868	20130811110155.740	20130811110156.174
PX4 (145)	1869	1871	20130811110156.389	20130811110156.822
PX4 (145)	1887	1889	20130811110201.795	20130811110202.228
PX4 (145)	1891	1893	20130811110202.658	20130811110203.092
PX4 (145)	1900	1902	20130811110204.607	20130811110205.037
PX4 (145)	4526	4528	20130811111344.083	20130811111346.028
PX4 (145)	4545	4548	20130811111349.704	20130811111350.352
PX4 (145)	4548	4558	20130811111350.352	20130811111354.028
PX4 (145)	4558	4562	20130811111354.028	20130811111354.891
PX4 (145)	4562	4567	20130811111354.891	20130811111355.973
PX4 (145)	4569	4576	20130811111356.407	20130811111357.919
PX4 (145)	4576	4582	20130811111357.919	20130811111359.216
PX4 (145)	4582	4584	20130811111359.216	20130811111359.649
PX4 (145)	4585	4587	20130811111359.868	20130811111401.809
PX4 (145)	4590	4593	20130811111402.462	20130811111403.110
PX4 (145)	4597	4600	20130811111403.973	20130811111404.622
PX4 (145)	4600	4603	20130811111404.622	20130811111405.270
PX4 (145)	4603	4605	20130811111405.270	20130811111405.704
PX4 (145)	4614	4616	20130811111407.649	20130811111408.083
PX4 (145)	4631	4633	20130811111412.841	20130811111413.270
PX4 (145)	4633	4635	20130811111413.270	20130811111413.704
PX4 (145)	6134	6147	20130811112053.477	20130811112057.797
PX4 (145)	6147	6149	20130811112057.797	20130811112058.231

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX4 (145)	6150	6155	20130811112058.449	20130811112059.527
PX4 (145)	6156	6158	20130811112059.746	20130811112100.180
PX4 (145)	6158	6161	20130811112100.180	20130811112100.828
PX4 (145)	6164	6166	20130811112101.477	20130811112101.906
PX4 (145)	6180	6183	20130811112106.449	20130811112107.098
PX4 (145)	6187	6190	20130811112107.961	20130811112108.609
PX4 (145)	6191	6193	20130811112108.828	20130811112109.258
PX4 (145)	6195	6198	20130811112109.692	20130811112110.340
PX4 (145)	6198	6200	20130811112110.340	20130811112110.770
PX4 (145)	6201	6203	20130811112110.988	20130811112111.422
PX4 (145)	6204	6206	20130811112111.637	20130811112112.070
PX4 (145)	6206	6209	20130811112112.070	20130811112114.231
PX4 (145)	6209	6212	20130811112114.231	20130811112114.879
PX4 (145)	6215	6218	20130811112115.527	20130811112116.176
PX4 (145)	6220	6223	20130811112116.609	20130811112117.258
PX4 (145)	6224	6227	20130811112117.477	20130811112118.121
PX4 (145)	6228	6230	20130811112118.340	20130811112118.774
PX4 (145)	6231	6233	20130811112118.988	20130811112119.422
IMG (150)	2436	2440	20130811084952.072	20130811084953.369
IMG (150)	3196	3199	20130811085251.345	20130811085251.994
IMG (150)	3205	3207	20130811085253.294	20130811085253.724
IMG (150)	3207	3209	20130811085253.724	20130811085254.158
IMG (150)	3211	3213	20130811085254.591	20130811085255.021
IMG (150)	3213	3216	20130811085255.021	20130811085255.669
IMG (150)	3217	3219	20130811085255.888	20130811085256.537
IMG (150)	3219	3227	20130811085256.537	20130811085258.697
IMG (150)	3227	3230	20130811085258.697	20130811085259.345
IMG (150)	3230	3232	20130811085259.345	20130811085259.779
IMG (150)	3232	3234	20130811085259.779	20130811085300.212
IMG (150)	3235	3239	20130811085300.427	20130811085301.291
IMG (150)	3239	3245	20130811085301.291	20130811085302.587
IMG (150)	3245	3247	20130811085302.587	20130811085303.021
IMG (150)	3247	3251	20130811085303.021	20130811085303.884
IMG (150)	3251	3253	20130811085303.884	20130811085304.537
IMG (150)	3215	3218	20130811110125.689	20130811110126.338
IMG (150)	3218	3224	20130811110126.338	20130811110127.635
IMG (150)	3225	3229	20130811110127.850	20130811110129.146
IMG (150)	3229	3231	20130811110129.146	20130811110129.795
IMG (150)	3231	3236	20130811110129.795	20130811110130.877
IMG (150)	3237	3239	20130811110131.092	20130811110131.525
IMG (150)	3240	3243	20130811110131.744	20130811110132.389
IMG (150)	3243	3247	20130811110132.389	20130811110133.256
IMG (150)	3247	3249	20130811110133.256	20130811110133.685
IMG (150)	3249	3255	20130811110133.685	20130811110134.986
IMG (150)	3257	3261	20130811110135.416	20130811110136.498
IMG (150)	3264	3270	20130811110137.365	20130811110138.877
IMG (150)	3271	3273	20130811110139.092	20130811110139.525
IMG (150)	3273	3275	20130811110139.525	20130811110139.959
IMG (150)	3276	3279	20130811110140.174	20130811110140.822
IMG (150)	3280	3282	20130811110141.037	20130811110141.471
IMG (150)	3285	3287	20130811110142.119	20130811110142.553
IMG (150)	3289	3292	20130811110142.986	20130811110143.635
IMG (150)	3293	3298	20130811110143.849	20130811110145.365

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	3299	3301	20130811110145.795	20130811110146.228
IMG (150)	3301	3304	20130811110146.228	20130811110146.877
IMG (150)	3304	3306	20130811110146.877	20130811110147.310
IMG (150)	3308	3312	20130811110147.740	20130811110148.607
IMG (150)	3314	3317	20130811110149.041	20130811110149.689
IMG (150)	3318	3323	20130811110149.904	20130811110150.986
IMG (150)	3323	3329	20130811110150.986	20130811110152.498
IMG (150)	3332	3334	20130811110153.365	20130811110154.014
IMG (150)	3336	3340	20130811110154.447	20130811110155.310
IMG (150)	3340	3344	20130811110155.310	20130811110156.174
IMG (150)	3344	3347	20130811110156.174	20130811110156.822
IMG (150)	3362	3365	20130811110200.064	20130811110201.146
IMG (150)	3365	3373	20130811110201.146	20130811110203.092
IMG (150)	3374	3376	20130811110203.310	20130811110203.740
IMG (150)	3376	3378	20130811110203.740	20130811110204.174
IMG (150)	6354	6360	20130811111344.083	20130811111346.028
IMG (150)	6377	6383	20130811111349.704	20130811111351.001
IMG (150)	6383	6394	20130811111351.001	20130811111354.028
IMG (150)	6394	6396	20130811111354.028	20130811111354.462
IMG (150)	6396	6411	20130811111354.462	20130811111357.704
IMG (150)	6411	6418	20130811111357.704	20130811111359.216
IMG (150)	6418	6423	20130811111359.216	20130811111400.512
IMG (150)	6426	6429	20130811111401.380	20130811111402.243
IMG (150)	6429	6432	20130811111402.243	20130811111402.891
IMG (150)	6432	6437	20130811111402.891	20130811111403.973
IMG (150)	6437	6439	20130811111403.973	20130811111404.407
IMG (150)	6441	6443	20130811111404.837	20130811111405.270
IMG (150)	6443	6446	20130811111405.270	20130811111405.919
IMG (150)	6454	6456	20130811111407.649	20130811111408.083
IMG (150)	6462	6464	20130811111410.028	20130811111410.458
IMG (150)	6475	6477	20130811111412.841	20130811111413.270
IMG (150)	6477	6479	20130811111413.270	20130811111413.704
IMG (150)	8177	8186	20130811112053.258	20130811112055.203
IMG (150)	8186	8211	20130811112055.203	20130811112101.258
IMG (150)	8211	8215	20130811112101.258	20130811112102.125
IMG (150)	8229	8231	20130811112105.801	20130811112106.231
IMG (150)	8232	8237	20130811112106.449	20130811112107.527
IMG (150)	8239	8242	20130811112107.961	20130811112108.609
IMG (150)	8243	8246	20130811112108.828	20130811112109.473
IMG (150)	8248	8250	20130811112109.906	20130811112110.340
IMG (150)	8250	8252	20130811112110.340	20130811112110.770
IMG (150)	8252	8256	20130811112110.770	20130811112111.637
IMG (150)	8256	8258	20130811112111.637	20130811112112.070
IMG (150)	8262	8264	20130811112113.367	20130811112114.016
IMG (150)	8264	8269	20130811112114.016	20130811112115.094
IMG (150)	8270	8274	20130811112115.313	20130811112116.176
IMG (150)	8276	8279	20130811112116.609	20130811112117.258
IMG (150)	8279	8285	20130811112117.258	20130811112118.555
IMG (150)	8286	8289	20130811112118.774	20130811112119.422
VER (160)	13313	13315	20130811084952.072	20130811085000.072
VER (160)	13326	13328	20130811085016.072	20130811085016.072
VER (160)	13424	13427	20130811085248.103	20130811085256.103
VER (160)	13429	13434	20130811085256.103	20130811085304.103

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
VER (160)	1860	1870	20130811110120.068	20130811110136.068
VER (160)	1870	1873	20130811110136.068	20130811110144.064
VER (160)	1873	1879	20130811110144.064	20130811110152.064
VER (160)	1880	1886	20130811110152.064	20130811110208.064
VER (160)	2323	2334	20130811111344.083	20130811111359.868
VER (160)	2342	2344	20130811111416.083	20130811111416.083
VER (160)	2590	2596	20130811112048.070	20130811112104.070
VER (160)	2600	2602	20130811112104.070	20130811112112.070
VER (160)	2602	2605	20130811112112.070	20130811112112.070
VER (160)	2607	2609	20130811112120.070	20130811112120.070
AUX (180)	15761	15763	20130811084944.506	20130811085000.502
AUX (180)	364	366	20130811110120.498	20130811110136.498
AUX (180)	366	368	20130811110136.498	20130811110152.498
AUX (180)	368	370	20130811110152.498	20130811110208.498
AUX (180)	456	459	20130811111336.516	20130811111400.512
AUX (180)	510	512	20130811112048.504	20130811112104.504

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
11/08/2013 00:00:13	-	Normal operation

Table 3: Instrument modes

4 L0 and L1 Data Quality

Flag	Value	Action
L0 IASI PDUs	481	-
L1 ENG PDUs	480	-
L1 ENG distinct GEPSGranule	481	-
GQisFlagQual set (PX1)	99.38 %	-
GQisFlagQual set (PX2)	99.49 %	-
GQisFlagQual set (PX3)	99.49 %	-
GQisFlagQual set (PX4)	99.38 %	-
GQisFlagQual set (all)	99.43 %	-

Table 4: Quality flags

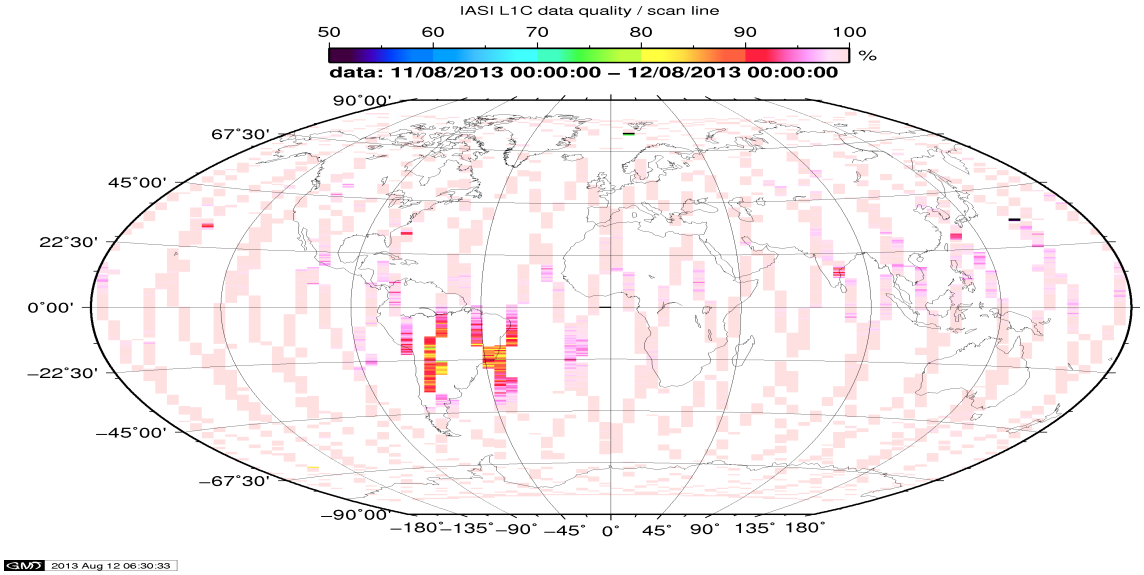

Figure 1: L1C data quality

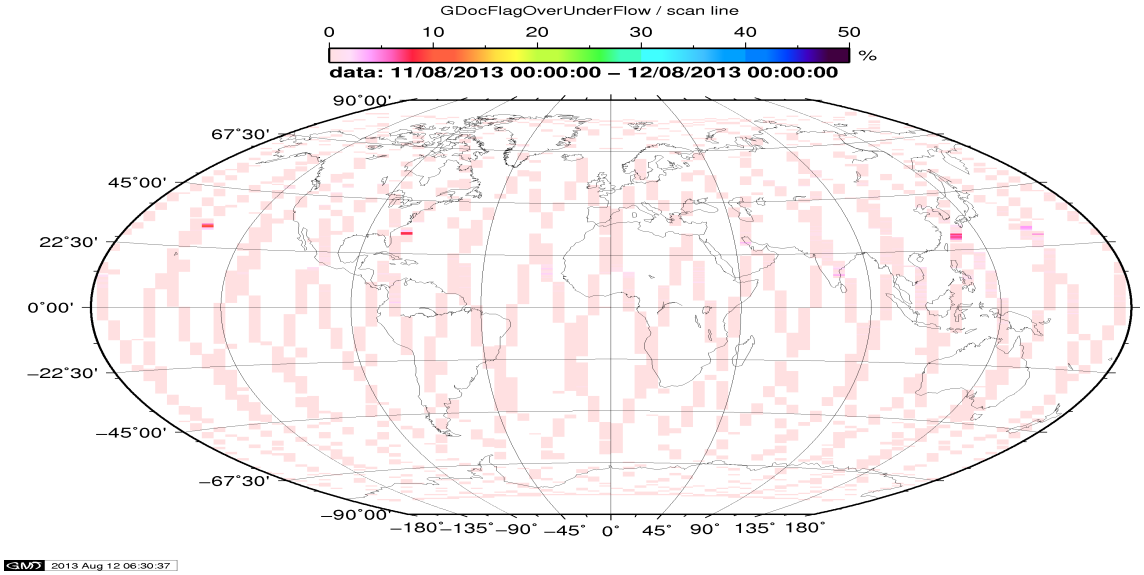

Figure 2: Flag of Over and Under Flows

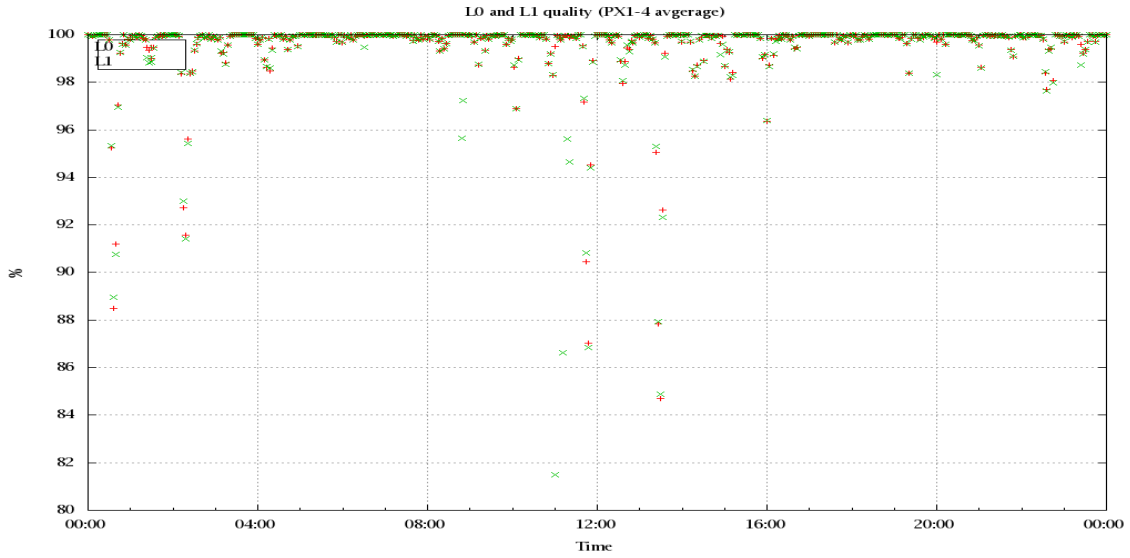

Figure 3: Level 0 and 1C overall quality

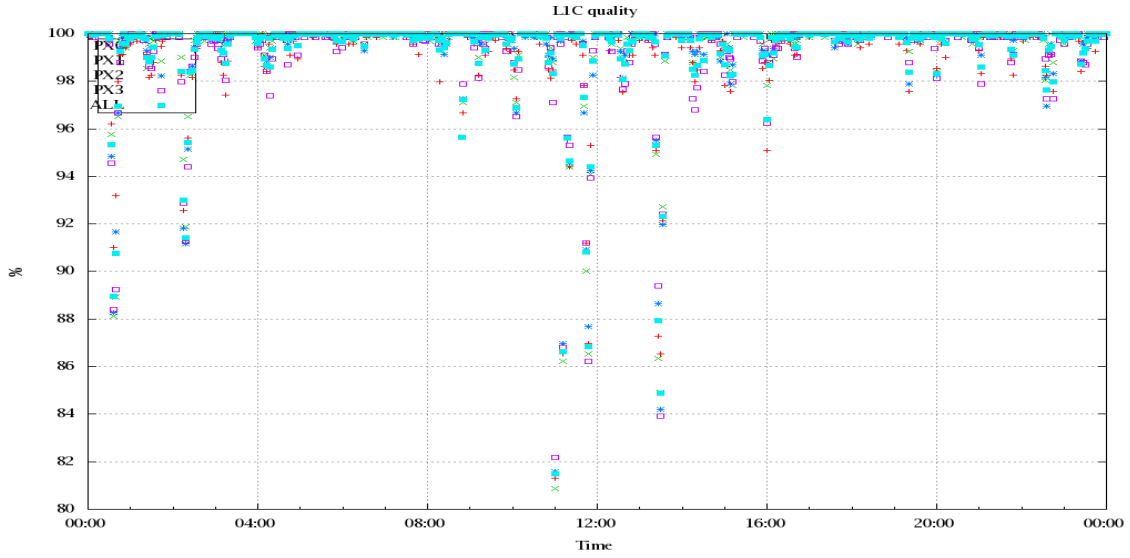

Figure 4: Level 1C quality

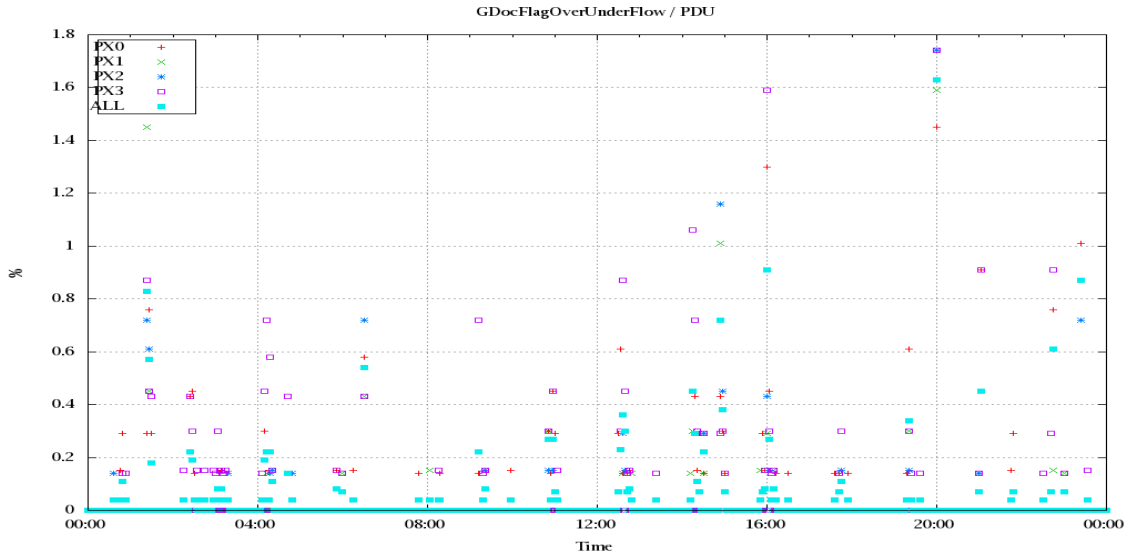

Figure 5: OverUnderFlowFlag timeseries

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 indentification 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.

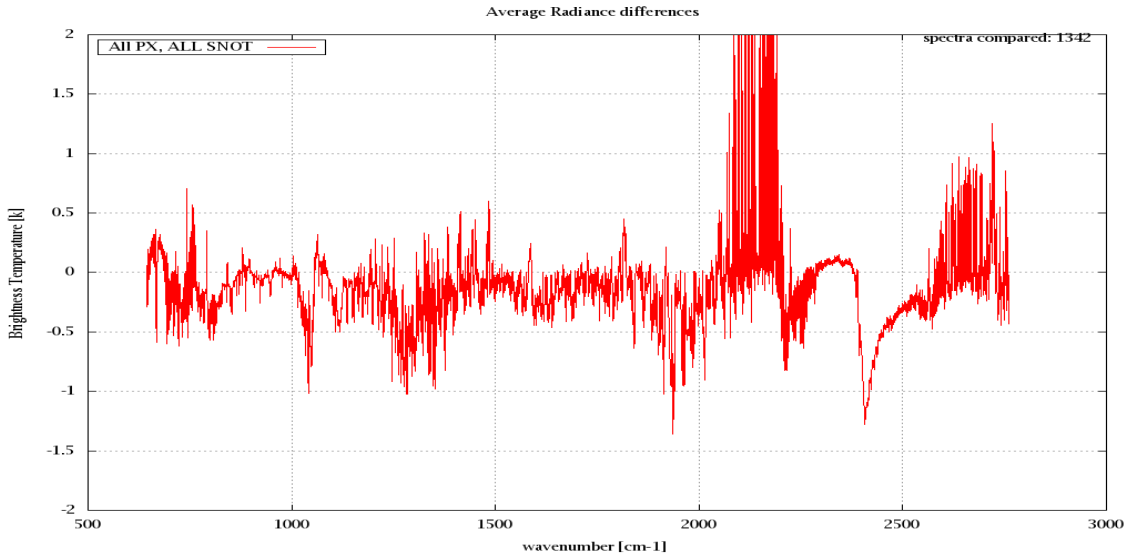

Figure 6: Average Radiance differences: OBS-CAL

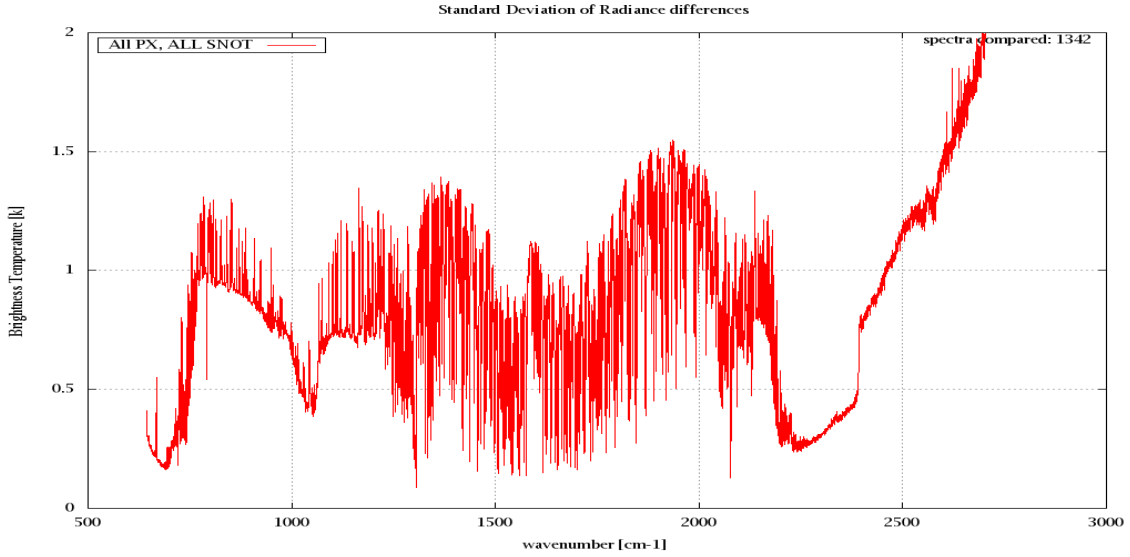

Figure 7: Standard Deviation of Radiance differences

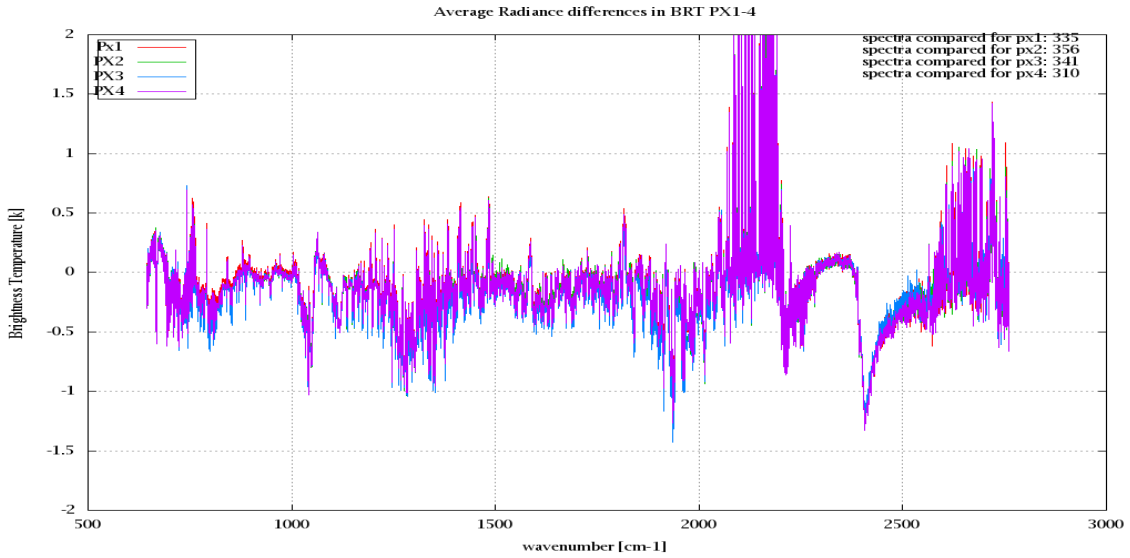

Figure 8: Average Radiance differences: OBS-CAL

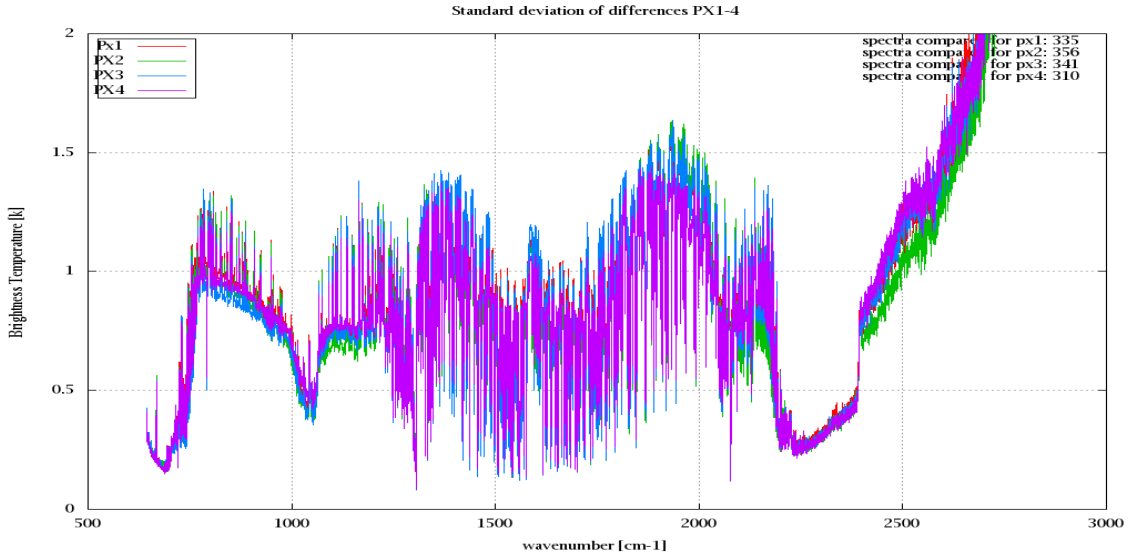

Figure 9: Standard Deviation of Radiance differences

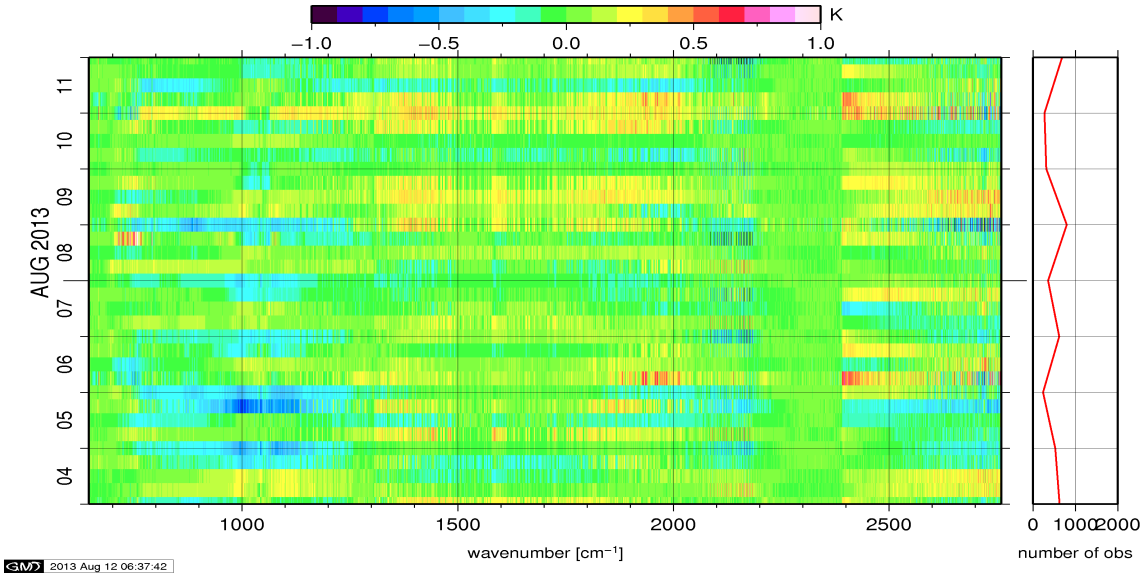

Figure 10: Radiance Anomaly in BRT: All Channels

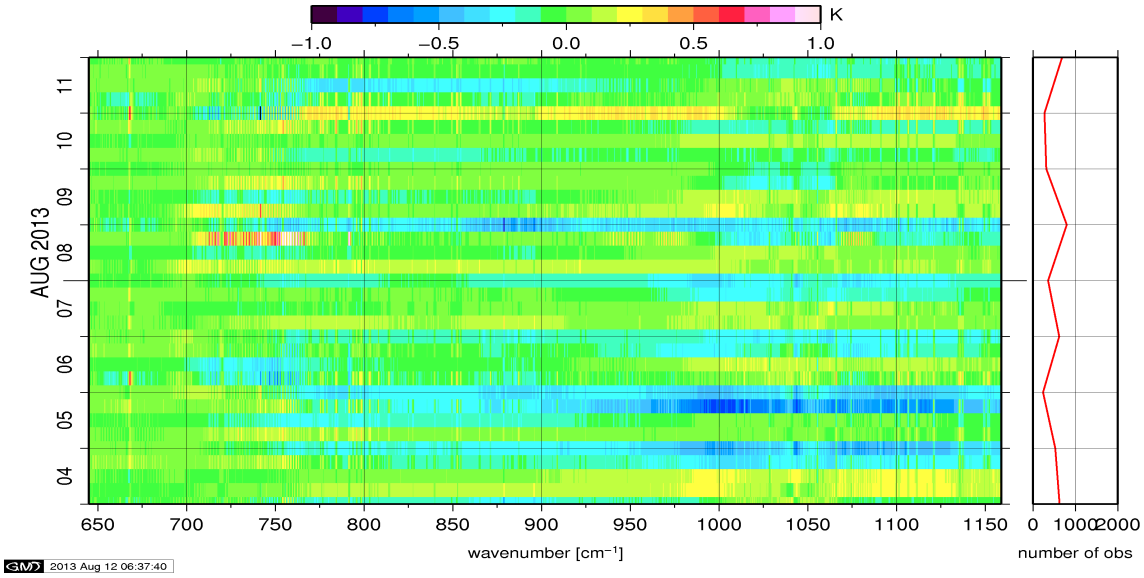

Figure 11: Radiance Anomaly in BRT: IASI Band 1

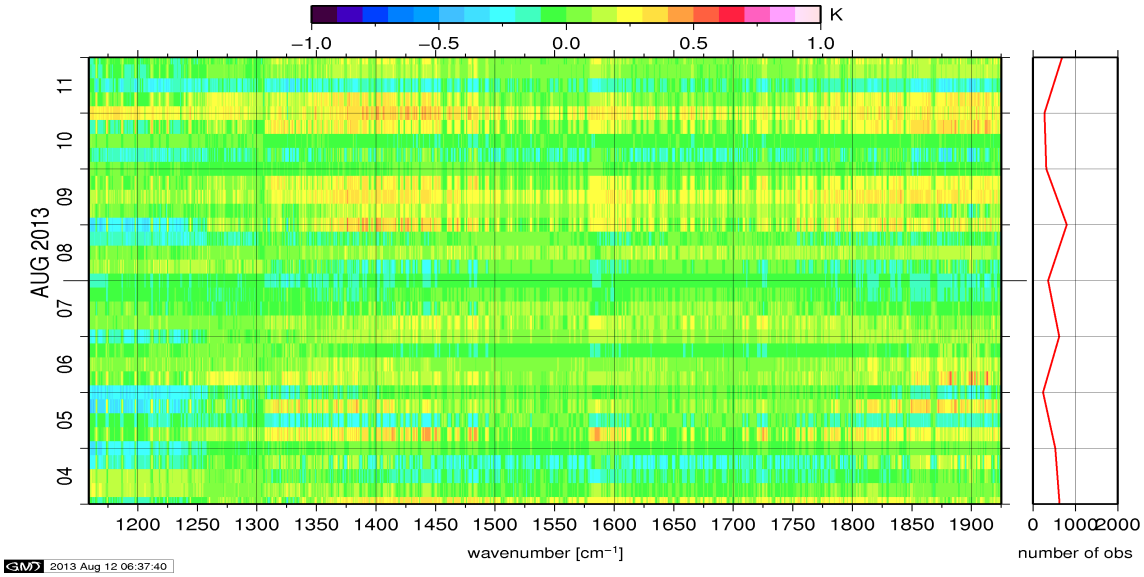

Figure 12: Radiance Anomaly in BRT: IASI Band 2

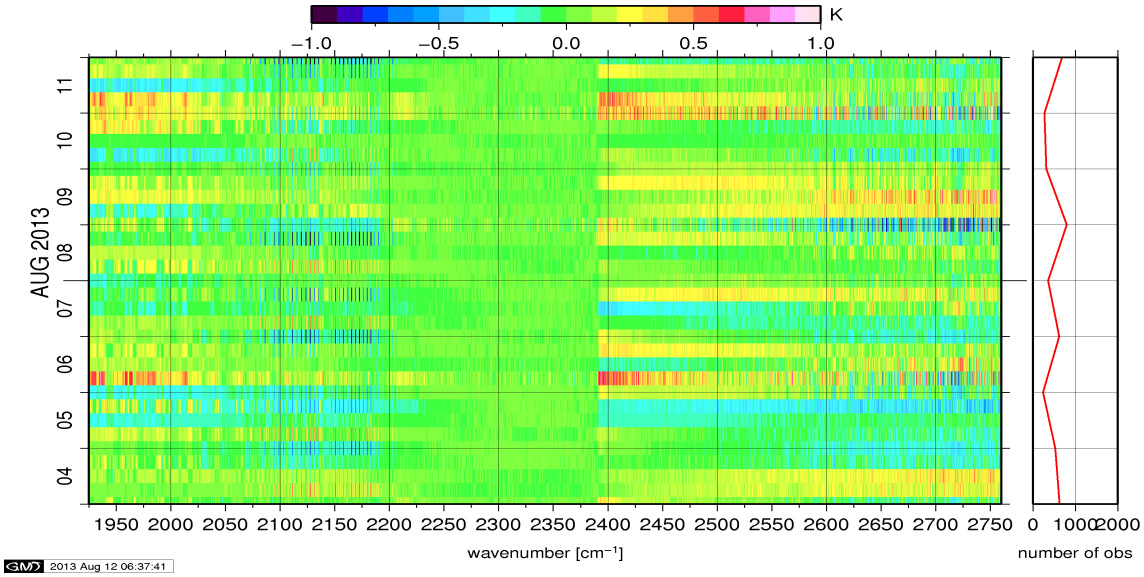

Figure 13: Radiance Anomaly in BRT: IASI Band 3

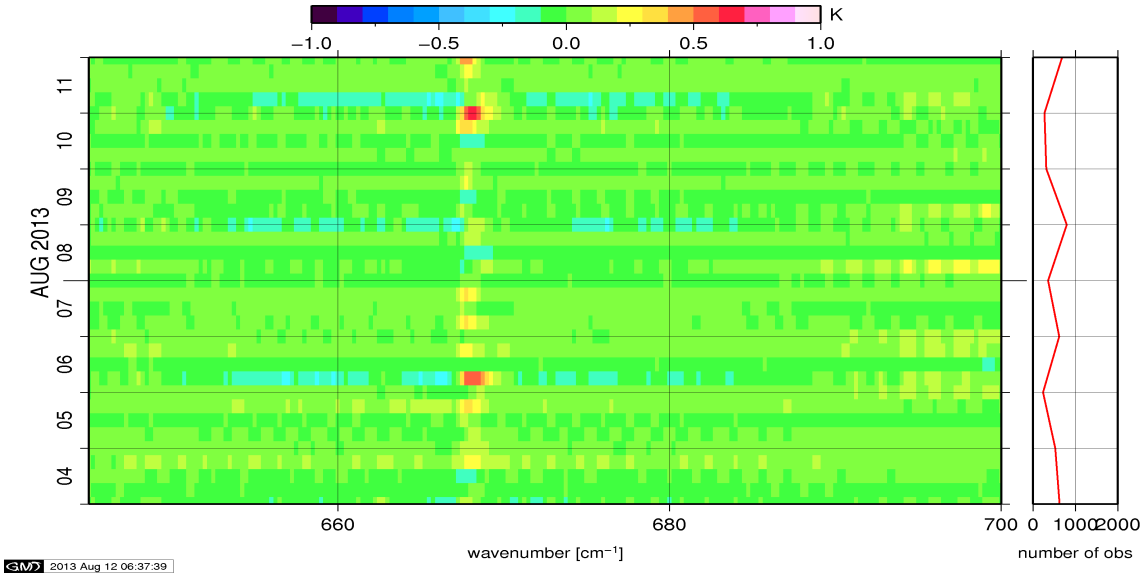

Figure 14: Radiance Anomaly in BRT: CO2 14

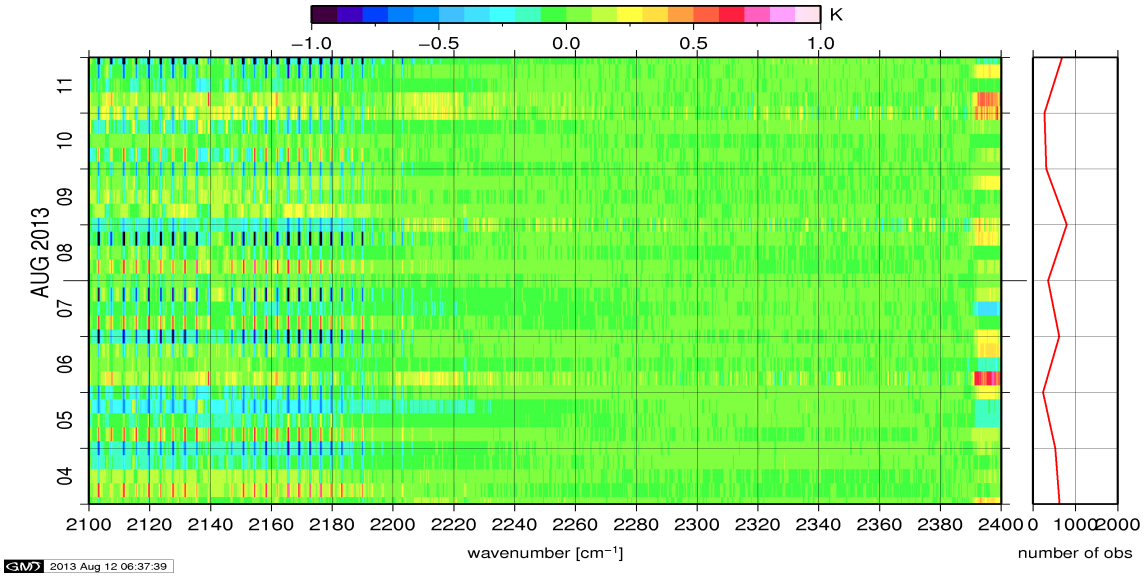

Figure 15: Radiance Anomaly in BRT: CO2 4.3

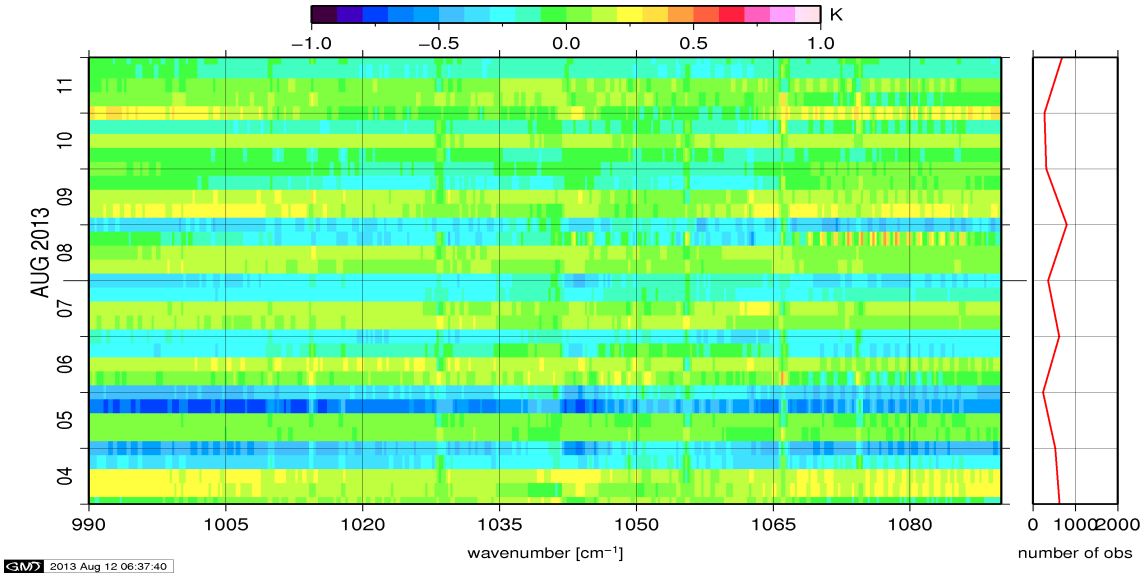

Figure 16: Radiance Anomaly in BRT: O3

6 IASI-HIRS radiance comparision Channel 1-19

The radiance comparision 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.

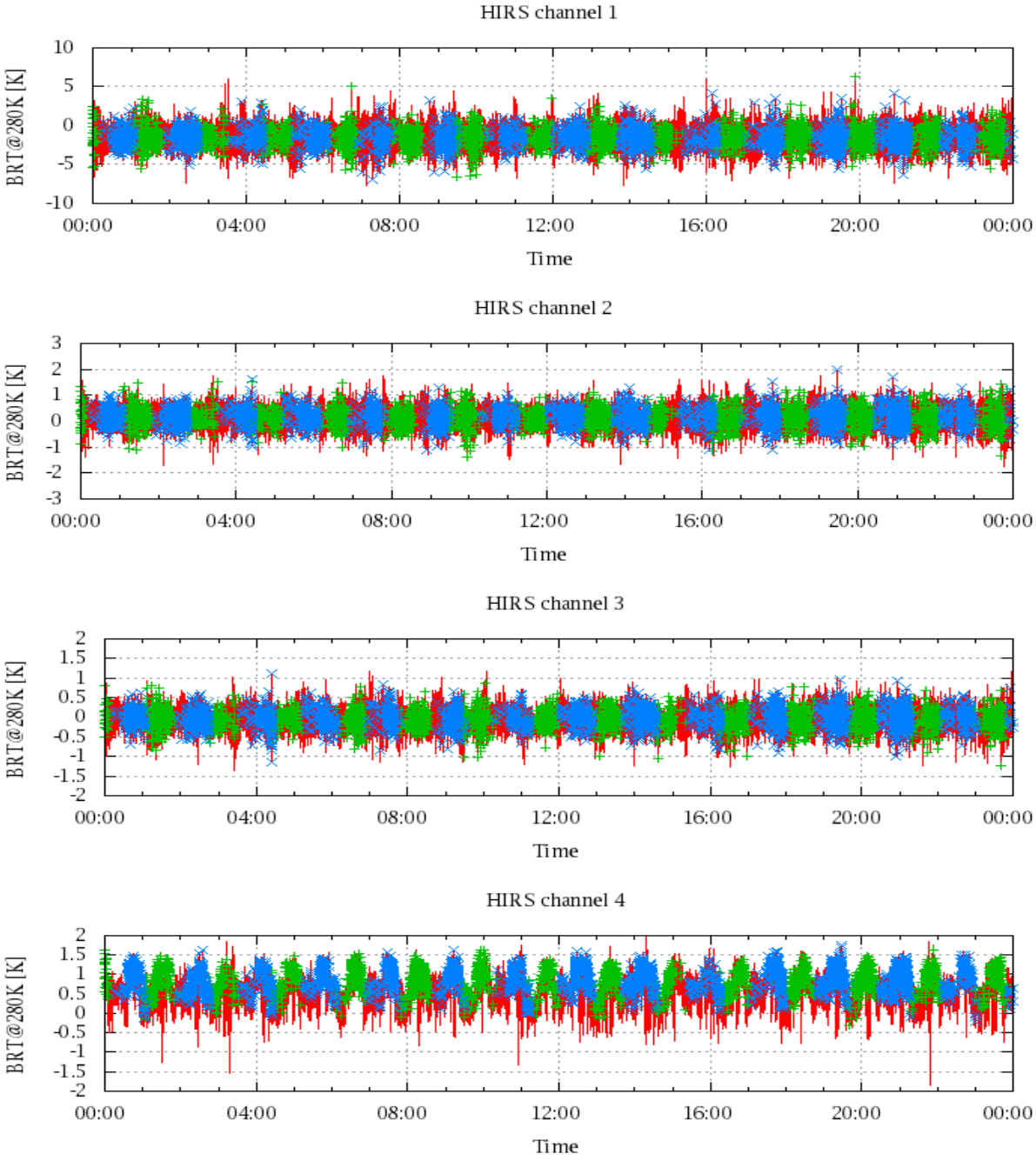

Figure 17: Radiance Differences in BRT

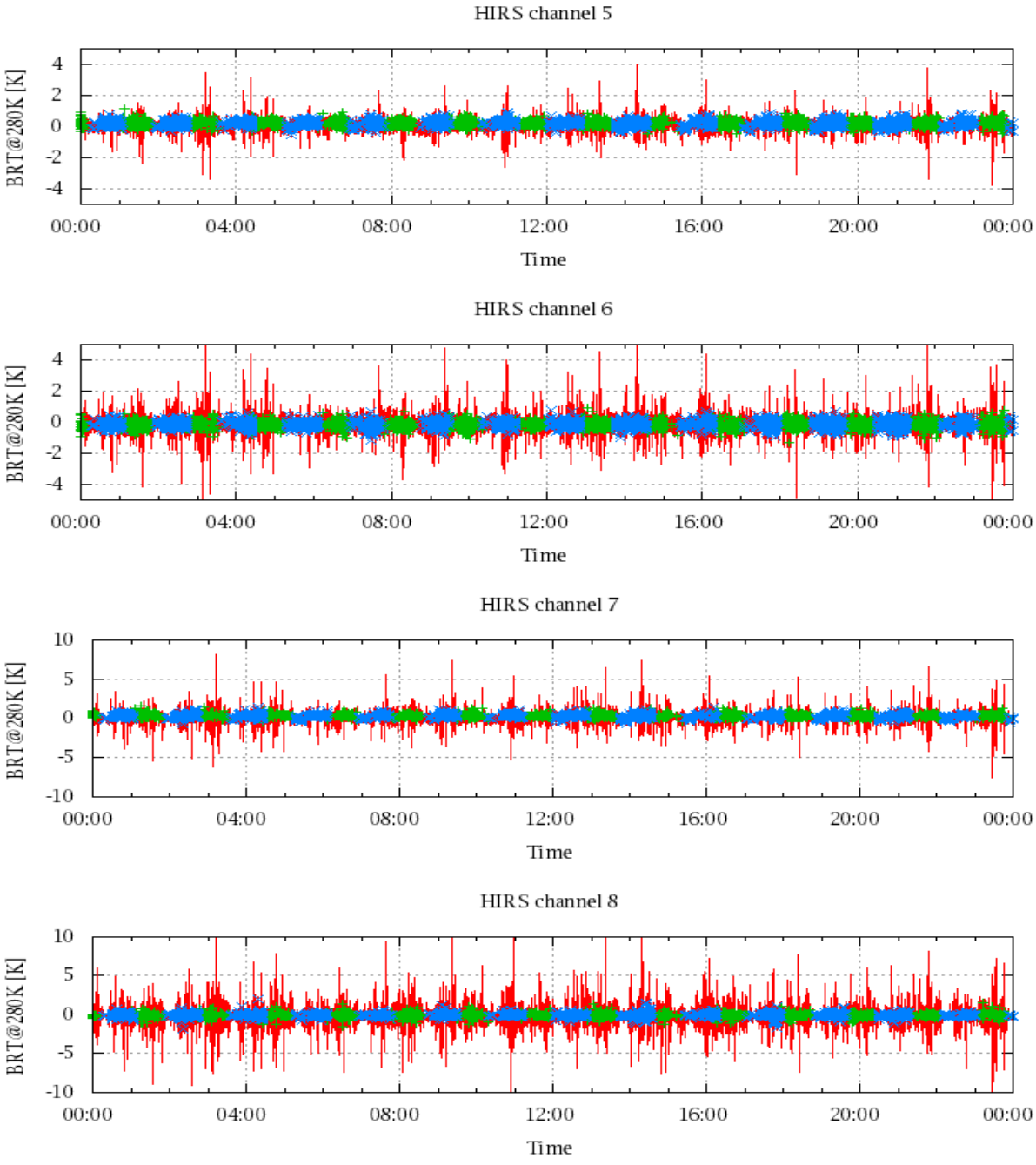

Figure 18: Radiance Differences in BRT

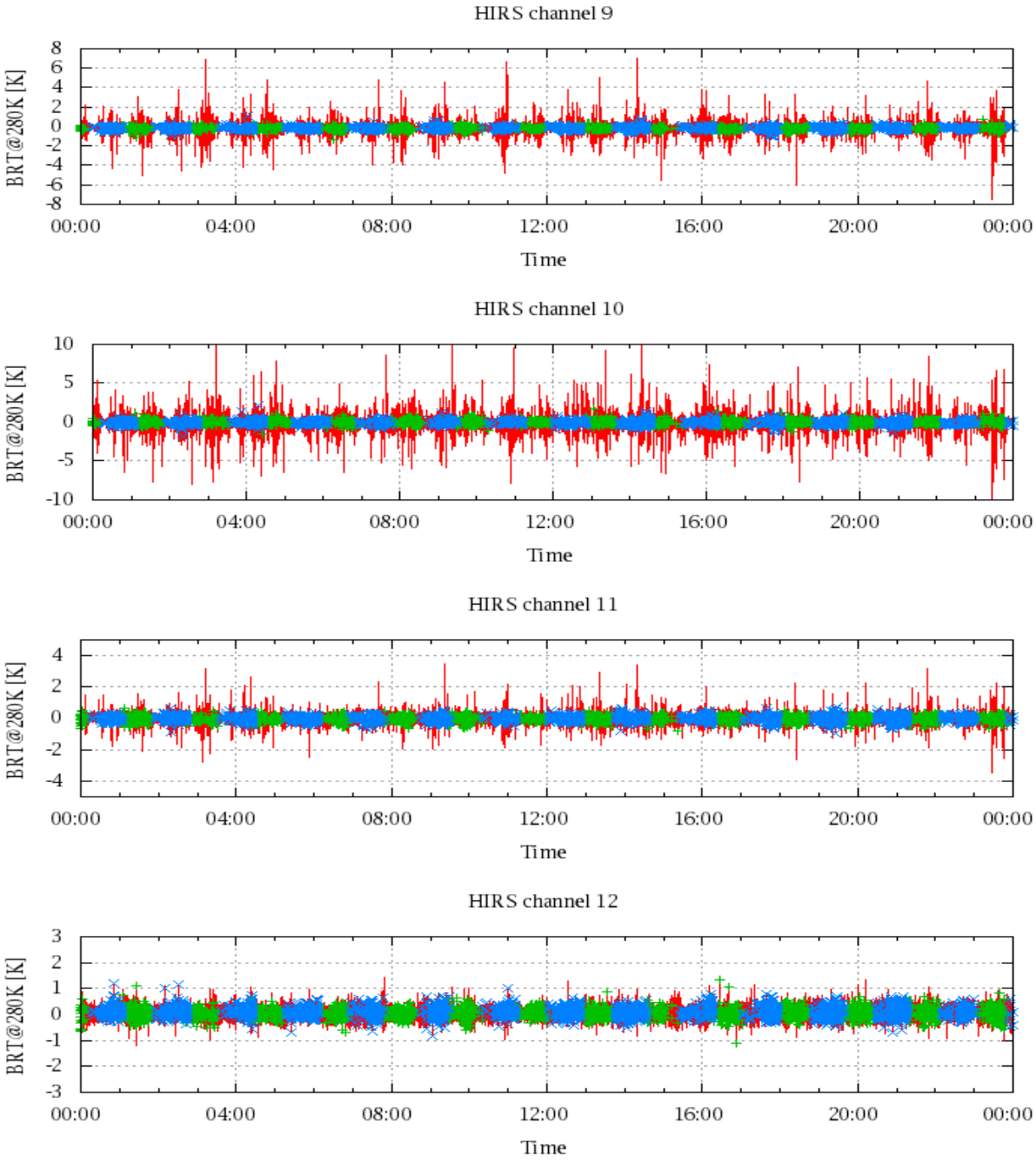

Figure 19: Radiance Differences in BRT

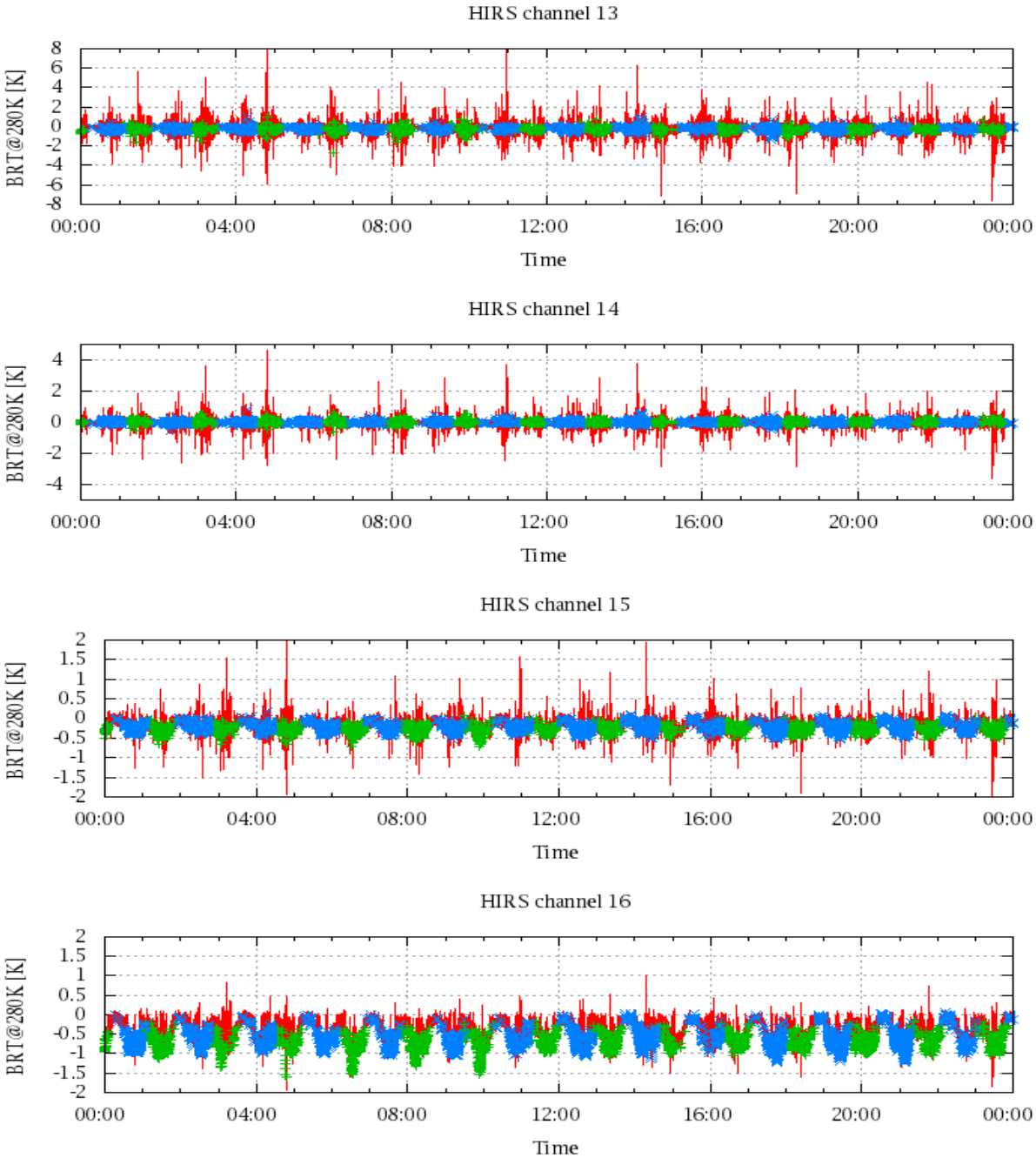

Figure 20: Radiance Differences in BRT

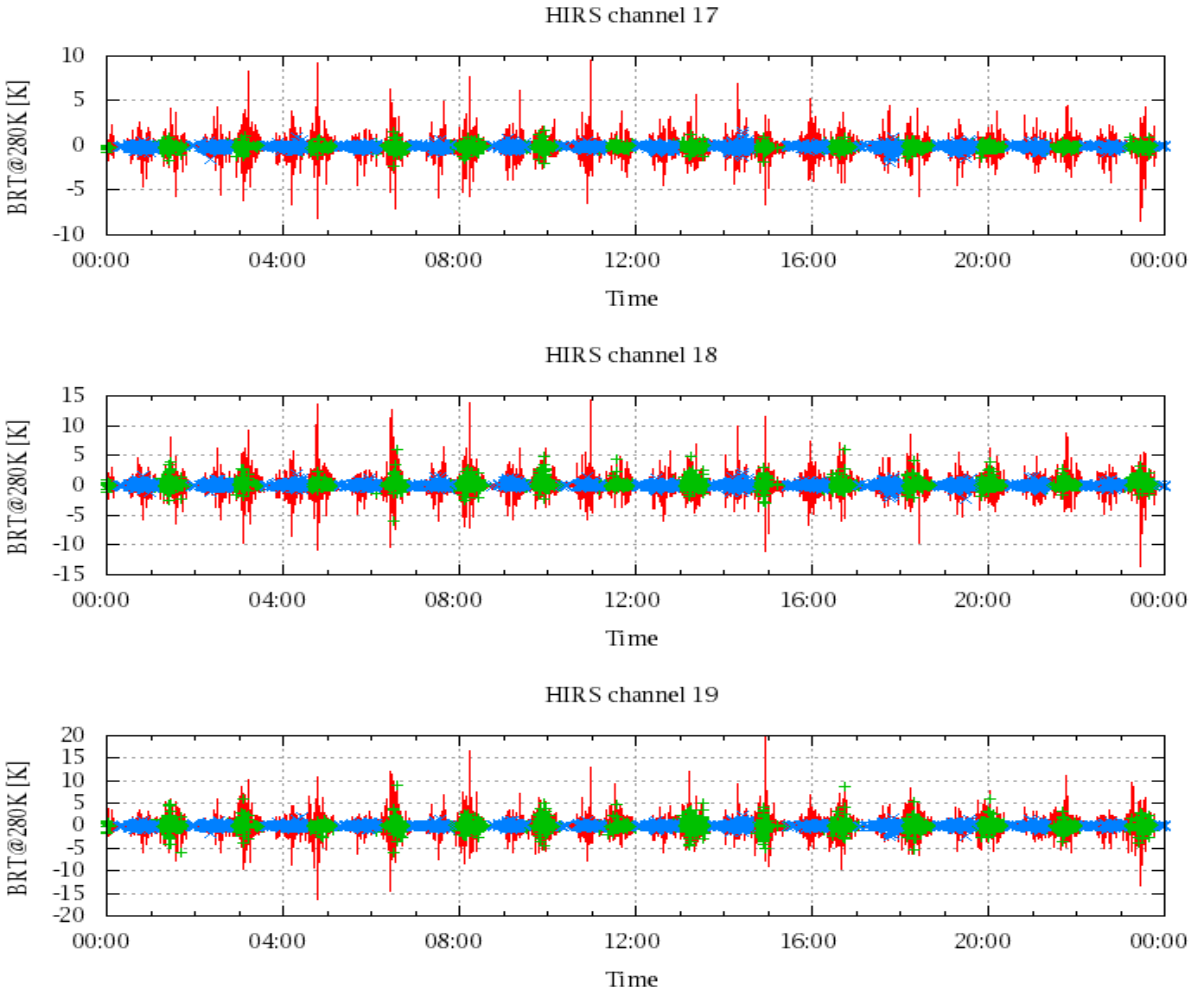

Figure 21: Radinace Differences in BRT