

IASI L0 and L1 Daily Monitoring Report

IASI monitoring team

17/02/2016 00:00:00 - 18/02/2016 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 17/02/2016 00:00:00 - 18/02/2016 00:00:00 .

The monitoring data are extracted on PDU basis.

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

2 Data quantity 17/02/2016 00:00:00 - 18/02/2016 00:00:00

Product Type	Number	Action
L0 HKTM PDUs	444	e
L0 IASI PDUs	447	e
L1 ENG PDUs	444	e
L1 ENG distinct GEPSGranule	443	a
L1 DPX PDUs (RM: IASI-HIRS)	434	e
L1 DPS Files (RM: OBS-CAL NWP based)	428	-

Table 1: Data quantity

APID	Seq from	Seq to	Time from	Time to
PX1 (130)	12054	12056	20160217081308.369	20160217081308.799
PX1 (130)	12058	12330	20160217081309.232	20160217081421.662
PX1 (130)	12330	12332	20160217081421.662	20160217081422.095
PX1 (130)	12332	12334	20160217081422.095	20160217081422.529
PX1 (130)	12334	12337	20160217081422.529	20160217081423.177
PX1 (130)	12345	12347	20160217081426.420	20160217081426.853
PX1 (130)	12347	12349	20160217081426.853	20160217081427.287
PX1 (130)	12355	12357	20160217081428.584	20160217081429.013
PX1 (130)	12359	12361	20160217081429.447	20160217081429.881
PX1 (130)	12427	12429	20160217081447.177	20160217081447.607
PX1 (130)	12429	12431	20160217081447.607	20160217081449.552
PX1 (130)	12433	12437	20160217081449.986	20160217081450.853
PX1 (130)	12437	12439	20160217081450.853	20160217081451.283
PX1 (130)	12439	12442	20160217081451.283	20160217081451.931
PX1 (130)	12443	12447	20160217081452.150	20160217081453.013
PX1 (130)	12447	12450	20160217081453.013	20160217081453.662

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	12450	12457	20160217081453.662	20160217081455.173
PX1 (130)	12457	12462	20160217081455.173	20160217081457.771
PX1 (130)	12462	12466	20160217081457.771	20160217081458.634
PX1 (130)	12466	12472	20160217081458.634	20160217081459.931
PX1 (130)	12475	12488	20160217081500.580	20160217081503.392
PX1 (130)	12492	12494	20160217081505.771	20160217081506.205
PX1 (130)	12495	12498	20160217081506.419	20160217081507.068
PX1 (130)	12499	12501	20160217081507.283	20160217081507.716
PX1 (130)	12504	12511	20160217081508.365	20160217081509.877
PX1 (130)	15105	15113	20160217082642.398	20160217082644.129
PX1 (130)	15114	15120	20160217082644.344	20160217082645.640
PX1 (130)	15120	15124	20160217082645.640	20160217082646.508
PX1 (130)	15137	15139	20160217082650.832	20160217082651.262
PX1 (130)	15139	15143	20160217082651.262	20160217082652.129
PX1 (130)	15145	15147	20160217082652.558	20160217082652.992
PX1 (130)	15148	15153	20160217082653.211	20160217082654.289
PX1 (130)	15155	15157	20160217082654.722	20160217082655.156
PX1 (130)	15157	15160	20160217082655.156	20160217082657.316
PX1 (130)	15161	15168	20160217082657.535	20160217082659.047
PX1 (130)	15168	15170	20160217082659.047	20160217082659.480
PX1 (130)	15171	15173	20160217082659.695	20160217082700.129
PX1 (130)	15173	15175	20160217082700.129	20160217082700.558
PX1 (130)	15175	15177	20160217082700.558	20160217082700.992
PX1 (130)	15177	15180	20160217082700.992	20160217082701.640
PX1 (130)	15180	15183	20160217082701.640	20160217082702.289
PX1 (130)	15183	15187	20160217082702.289	20160217082703.156
PX1 (130)	15187	15189	20160217082703.156	20160217082703.586
PX1 (130)	15212	15214	20160217082710.074	20160217082710.508
PX1 (130)	15929	15931	20160217083021.456	20160217083021.886
PX1 (130)	15932	15937	20160217083022.105	20160217083023.187
PX1 (130)	15937	15940	20160217083023.187	20160217083025.347
PX1 (130)	15940	15946	20160217083025.347	20160217083026.644
PX1 (130)	15946	15950	20160217083026.644	20160217083027.511
PX1 (130)	15951	15956	20160217083027.726	20160217083028.808
PX1 (130)	15957	15961	20160217083029.023	20160217083029.890
PX1 (130)	15961	15964	20160217083029.890	20160217083030.534
PX1 (130)	15964	15969	20160217083030.534	20160217083031.617
PX1 (130)	15969	15971	20160217083031.617	20160217083033.562
PX1 (130)	15971	15974	20160217083033.562	20160217083034.214
PX1 (130)	15975	15977	20160217083034.429	20160217083034.863
PX1 (130)	15982	15984	20160217083035.941	20160217083036.374
PX1 (130)	15984	15987	20160217083036.374	20160217083037.023
PX1 (130)	15990	15992	20160217083037.671	20160217083038.105
PX1 (130)	16002	16004	20160217083041.781	20160217083042.210
PX1 (130)	16009	16011	20160217083043.292	20160217083043.726
PX1 (130)	16015	16017	20160217083044.589	20160217083045.023
PX1 (130)	16033	16035	20160217083049.995	20160217083050.429
PX1 (130)	16037	16039	20160217083050.859	20160217083051.292
PX1 (130)	16040	16042	20160217083051.511	20160217083051.941
PX1 (130)	16043	16045	20160217083052.159	20160217083052.589
PX1 (130)	16046	16048	20160217083052.808	20160217083053.238
PX1 (130)	156	163	20160217083305.343	20160217083306.858
PX1 (130)	164	166	20160217083307.073	20160217083307.507

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APID	Seq from	Seq to	Time from	Time to
PX1 (130)	177	183	20160217083309.886	20160217083311.183
PX1 (130)	186	189	20160217083313.343	20160217083313.991
PX1 (130)	190	193	20160217083314.210	20160217083314.854
PX1 (130)	193	195	20160217083314.854	20160217083315.288
PX1 (130)	198	200	20160217083315.936	20160217083316.370
PX1 (130)	200	202	20160217083316.370	20160217083316.804
PX1 (130)	208	211	20160217083318.100	20160217083318.749
PX1 (130)	212	217	20160217083318.964	20160217083321.558
PX1 (130)	217	219	20160217083321.558	20160217083321.991
PX1 (130)	220	223	20160217083322.206	20160217083322.858
PX1 (130)	223	226	20160217083322.858	20160217083323.503
PX1 (130)	226	233	20160217083323.503	20160217083325.018
PX1 (130)	237	240	20160217083325.882	20160217083326.530
PX1 (130)	241	245	20160217083326.749	20160217083327.612
PX1 (130)	247	249	20160217083329.557	20160217083329.991
PX1 (130)	249	252	20160217083329.991	20160217083330.640
PX1 (130)	252	262	20160217083330.640	20160217083332.804
PX1 (130)	2841	4865	20160217220559.484	20160217221500.010
PX1 (130)	5541	6215	20160217221759.502	20160217222100.037
PX1 (130)	6891	7565	20160217222359.490	20160217222700.024
PX1 (130)	8914	10265	20160217223259.797	20160217223900.015
PX2 (135)	12054	12056	20160217081308.369	20160217081308.799
PX2 (135)	12058	12330	20160217081309.232	20160217081421.662
PX2 (135)	12332	12334	20160217081422.095	20160217081422.529
PX2 (135)	12334	12337	20160217081422.529	20160217081423.177
PX2 (135)	12345	12347	20160217081426.420	20160217081426.853
PX2 (135)	12347	12349	20160217081426.853	20160217081427.287
PX2 (135)	12350	12352	20160217081427.502	20160217081427.935
PX2 (135)	12429	12432	20160217081447.607	20160217081449.771
PX2 (135)	12433	12437	20160217081449.986	20160217081450.853
PX2 (135)	12437	12439	20160217081450.853	20160217081451.283
PX2 (135)	12439	12442	20160217081451.283	20160217081451.931
PX2 (135)	12443	12447	20160217081452.150	20160217081453.013
PX2 (135)	12447	12450	20160217081453.013	20160217081453.662
PX2 (135)	12451	12455	20160217081453.877	20160217081454.744
PX2 (135)	12457	12462	20160217081455.173	20160217081457.771
PX2 (135)	12462	12466	20160217081457.771	20160217081458.634
PX2 (135)	12466	12484	20160217081458.634	20160217081502.525
PX2 (135)	12484	12490	20160217081502.525	20160217081505.337
PX2 (135)	12492	12494	20160217081505.771	20160217081506.205
PX2 (135)	12495	12498	20160217081506.419	20160217081507.068
PX2 (135)	12498	12502	20160217081507.068	20160217081507.931
PX2 (135)	12504	12506	20160217081508.365	20160217081508.798
PX2 (135)	12506	12509	20160217081508.798	20160217081509.447
PX2 (135)	12509	12511	20160217081509.447	20160217081509.877
PX2 (135)	15101	15105	20160217082641.535	20160217082642.398
PX2 (135)	15105	15107	20160217082642.398	20160217082642.832
PX2 (135)	15109	15113	20160217082643.265	20160217082644.129
PX2 (135)	15114	15116	20160217082644.344	20160217082644.777
PX2 (135)	15116	15120	20160217082644.777	20160217082645.640
PX2 (135)	15120	15124	20160217082645.640	20160217082646.508
PX2 (135)	15137	15139	20160217082650.832	20160217082651.262
PX2 (135)	15139	15142	20160217082651.262	20160217082651.914

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APID	Seq from	Seq to	Time from	Time to
PX2 (135)	15143	15148	20160217082652.129	20160217082653.211
PX2 (135)	15148	15151	20160217082653.211	20160217082653.859
PX2 (135)	15151	15153	20160217082653.859	20160217082654.289
PX2 (135)	15156	15160	20160217082654.937	20160217082657.316
PX2 (135)	15164	15170	20160217082658.183	20160217082659.480
PX2 (135)	15171	15173	20160217082659.695	20160217082700.129
PX2 (135)	15173	15175	20160217082700.129	20160217082700.558
PX2 (135)	15175	15177	20160217082700.558	20160217082700.992
PX2 (135)	15177	15180	20160217082700.992	20160217082701.640
PX2 (135)	15184	15186	20160217082702.504	20160217082702.937
PX2 (135)	15187	15189	20160217082703.156	20160217082703.586
PX2 (135)	15211	15214	20160217082709.855	20160217082710.508
PX2 (135)	15929	15932	20160217083021.456	20160217083022.105
PX2 (135)	15933	15942	20160217083022.320	20160217083025.781
PX2 (135)	15942	15945	20160217083025.781	20160217083026.429
PX2 (135)	15946	15950	20160217083026.644	20160217083027.511
PX2 (135)	15950	15956	20160217083027.511	20160217083028.808
PX2 (135)	15957	15959	20160217083029.023	20160217083029.456
PX2 (135)	15961	15964	20160217083029.890	20160217083030.534
PX2 (135)	15964	15969	20160217083030.534	20160217083031.617
PX2 (135)	15969	15971	20160217083031.617	20160217083033.562
PX2 (135)	15971	15974	20160217083033.562	20160217083034.214
PX2 (135)	15975	15980	20160217083034.429	20160217083035.511
PX2 (135)	15982	15984	20160217083035.941	20160217083036.374
PX2 (135)	15984	15986	20160217083036.374	20160217083036.808
PX2 (135)	15989	15992	20160217083037.456	20160217083038.105
PX2 (135)	15993	15995	20160217083038.320	20160217083038.753
PX2 (135)	16002	16004	20160217083041.781	20160217083042.210
PX2 (135)	16009	16011	20160217083043.292	20160217083043.726
PX2 (135)	16033	16035	20160217083049.995	20160217083050.429
PX2 (135)	16037	16039	20160217083050.859	20160217083051.292
PX2 (135)	16045	16047	20160217083052.589	20160217083053.023
PX2 (135)	16047	16051	20160217083053.023	20160217083053.886
PX2 (135)	158	160	20160217083305.776	20160217083306.206
PX2 (135)	160	163	20160217083306.206	20160217083306.858
PX2 (135)	164	166	20160217083307.073	20160217083307.507
PX2 (135)	179	183	20160217083310.315	20160217083311.183
PX2 (135)	187	189	20160217083313.558	20160217083313.991
PX2 (135)	190	192	20160217083314.210	20160217083314.640
PX2 (135)	193	196	20160217083314.854	20160217083315.507
PX2 (135)	197	200	20160217083315.722	20160217083316.370
PX2 (135)	207	218	20160217083317.882	20160217083321.776
PX2 (135)	218	220	20160217083321.776	20160217083322.206
PX2 (135)	220	223	20160217083322.206	20160217083322.858
PX2 (135)	223	226	20160217083322.858	20160217083323.503
PX2 (135)	227	230	20160217083323.722	20160217083324.370
PX2 (135)	237	241	20160217083325.882	20160217083326.749
PX2 (135)	241	244	20160217083326.749	20160217083327.397
PX2 (135)	247	249	20160217083329.557	20160217083329.991
PX2 (135)	249	252	20160217083329.991	20160217083330.640
PX2 (135)	252	254	20160217083330.640	20160217083331.073
PX2 (135)	254	261	20160217083331.073	20160217083332.585
PX2 (135)	2841	4865	20160217220559.484	20160217221500.010

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX2 (135)	5541	6215	20160217221759.502	20160217222100.037
PX2 (135)	6891	7565	20160217222359.490	20160217222700.024
PX2 (135)	8914	10265	20160217223259.797	20160217223900.015
PX3 (140)	12053	12056	20160217081308.154	20160217081308.799
PX3 (140)	12058	12332	20160217081309.232	20160217081422.095
PX3 (140)	12332	12334	20160217081422.095	20160217081422.529
PX3 (140)	12334	12336	20160217081422.529	20160217081422.963
PX3 (140)	12345	12347	20160217081426.420	20160217081426.853
PX3 (140)	12350	12352	20160217081427.502	20160217081427.935
PX3 (140)	12430	12432	20160217081449.338	20160217081449.771
PX3 (140)	12433	12441	20160217081449.986	20160217081451.716
PX3 (140)	12443	12446	20160217081452.150	20160217081452.798
PX3 (140)	12450	12455	20160217081453.662	20160217081454.744
PX3 (140)	12458	12462	20160217081455.392	20160217081457.771
PX3 (140)	12462	12466	20160217081457.771	20160217081458.634
PX3 (140)	12466	12471	20160217081458.634	20160217081459.716
PX3 (140)	12471	12486	20160217081459.716	20160217081502.959
PX3 (140)	12486	12490	20160217081502.959	20160217081505.337
PX3 (140)	12492	12494	20160217081505.771	20160217081506.205
PX3 (140)	12495	12498	20160217081506.419	20160217081507.068
PX3 (140)	12498	12502	20160217081507.068	20160217081507.931
PX3 (140)	12504	12511	20160217081508.365	20160217081509.877
PX3 (140)	15101	15105	20160217082641.535	20160217082642.398
PX3 (140)	15105	15109	20160217082642.398	20160217082643.265
PX3 (140)	15109	15114	20160217082643.265	20160217082644.344
PX3 (140)	15114	15116	20160217082644.344	20160217082644.777
PX3 (140)	15118	15120	20160217082645.211	20160217082645.640
PX3 (140)	15121	15124	20160217082645.859	20160217082646.508
PX3 (140)	15136	15140	20160217082650.613	20160217082651.480
PX3 (140)	15140	15142	20160217082651.480	20160217082651.914
PX3 (140)	15143	15146	20160217082652.129	20160217082652.777
PX3 (140)	15146	15148	20160217082652.777	20160217082653.211
PX3 (140)	15148	15150	20160217082653.211	20160217082653.640
PX3 (140)	15151	15153	20160217082653.859	20160217082654.289
PX3 (140)	15156	15160	20160217082654.937	20160217082657.316
PX3 (140)	15165	15167	20160217082658.398	20160217082658.832
PX3 (140)	15167	15169	20160217082658.832	20160217082659.262
PX3 (140)	15175	15177	20160217082700.558	20160217082700.992
PX3 (140)	15177	15181	20160217082700.992	20160217082701.859
PX3 (140)	15211	15214	20160217082709.855	20160217082710.508
PX3 (140)	15929	15932	20160217083021.456	20160217083022.105
PX3 (140)	15932	15938	20160217083022.105	20160217083023.402
PX3 (140)	15938	15942	20160217083023.402	20160217083025.781
PX3 (140)	15942	15945	20160217083025.781	20160217083026.429
PX3 (140)	15946	15949	20160217083026.644	20160217083027.292
PX3 (140)	15950	15952	20160217083027.511	20160217083027.941
PX3 (140)	15952	15954	20160217083027.941	20160217083028.374
PX3 (140)	15955	15961	20160217083028.593	20160217083029.890
PX3 (140)	15961	15966	20160217083029.890	20160217083030.968
PX3 (140)	15966	15968	20160217083030.968	20160217083031.402
PX3 (140)	15969	15971	20160217083031.617	20160217083033.562
PX3 (140)	15971	15974	20160217083033.562	20160217083034.214
PX3 (140)	15976	15981	20160217083034.644	20160217083035.726

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APID	Seq from	Seq to	Time from	Time to
PX3 (140)	15983	15986	20160217083036.159	20160217083036.808
PX3 (140)	15989	15992	20160217083037.456	20160217083038.105
PX3 (140)	15993	15995	20160217083038.320	20160217083038.753
PX3 (140)	16007	16011	20160217083042.863	20160217083043.726
PX3 (140)	16013	16016	20160217083044.159	20160217083044.808
PX3 (140)	16037	16039	20160217083050.859	20160217083051.292
PX3 (140)	16040	16042	20160217083051.511	20160217083051.941
PX3 (140)	16045	16047	20160217083052.589	20160217083053.023
PX3 (140)	16047	16051	20160217083053.023	20160217083053.886
PX3 (140)	156	158	20160217083305.343	20160217083305.776
PX3 (140)	158	163	20160217083305.776	20160217083306.858
PX3 (140)	177	179	20160217083309.886	20160217083310.315
PX3 (140)	179	181	20160217083310.315	20160217083310.749
PX3 (140)	186	190	20160217083313.343	20160217083314.210
PX3 (140)	190	192	20160217083314.210	20160217083314.640
PX3 (140)	194	199	20160217083315.073	20160217083316.155
PX3 (140)	207	210	20160217083317.882	20160217083318.534
PX3 (140)	210	213	20160217083318.534	20160217083319.179
PX3 (140)	213	218	20160217083319.179	20160217083321.776
PX3 (140)	218	220	20160217083321.776	20160217083322.206
PX3 (140)	220	222	20160217083322.206	20160217083322.640
PX3 (140)	223	225	20160217083322.858	20160217083323.288
PX3 (140)	226	230	20160217083323.503	20160217083324.370
PX3 (140)	230	232	20160217083324.370	20160217083324.800
PX3 (140)	237	241	20160217083325.882	20160217083326.749
PX3 (140)	241	245	20160217083326.749	20160217083327.612
PX3 (140)	249	251	20160217083329.991	20160217083330.425
PX3 (140)	252	261	20160217083330.640	20160217083332.585
PX3 (140)	2841	4865	20160217220559.484	20160217221500.010
PX3 (140)	5541	6215	20160217221759.502	20160217222100.037
PX3 (140)	6891	7565	20160217222359.490	20160217222700.024
PX3 (140)	8914	10265	20160217223259.797	20160217223900.015
PX4 (145)	12053	12056	20160217081308.154	20160217081308.799
PX4 (145)	12058	12328	20160217081309.232	20160217081421.232
PX4 (145)	12328	12334	20160217081421.232	20160217081422.529
PX4 (145)	12334	12336	20160217081422.529	20160217081422.963
PX4 (145)	12345	12347	20160217081426.420	20160217081426.853
PX4 (145)	12350	12352	20160217081427.502	20160217081427.935
PX4 (145)	12426	12428	20160217081446.959	20160217081447.392
PX4 (145)	12430	12432	20160217081449.338	20160217081449.771
PX4 (145)	12436	12438	20160217081450.634	20160217081451.068
PX4 (145)	12438	12441	20160217081451.068	20160217081451.716
PX4 (145)	12443	12446	20160217081452.150	20160217081452.798
PX4 (145)	12450	12456	20160217081453.662	20160217081454.959
PX4 (145)	12457	12462	20160217081455.173	20160217081457.771
PX4 (145)	12463	12476	20160217081457.986	20160217081500.798
PX4 (145)	12477	12490	20160217081501.013	20160217081505.337
PX4 (145)	12490	12494	20160217081505.337	20160217081506.205
PX4 (145)	12495	12498	20160217081506.419	20160217081507.068
PX4 (145)	12498	12502	20160217081507.068	20160217081507.931
PX4 (145)	12505	12511	20160217081508.580	20160217081509.877
PX4 (145)	15100	15103	20160217082641.316	20160217082641.965
PX4 (145)	15103	15105	20160217082641.965	20160217082642.398

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX4 (145)	15106	15110	20160217082642.613	20160217082643.480
PX4 (145)	15110	15117	20160217082643.480	20160217082644.992
PX4 (145)	15117	15120	20160217082644.992	20160217082645.640
PX4 (145)	15136	15140	20160217082650.613	20160217082651.480
PX4 (145)	15140	15142	20160217082651.480	20160217082651.914
PX4 (145)	15143	15146	20160217082652.129	20160217082652.777
PX4 (145)	15146	15148	20160217082652.777	20160217082653.211
PX4 (145)	15148	15150	20160217082653.211	20160217082653.640
PX4 (145)	15155	15160	20160217082654.722	20160217082657.316
PX4 (145)	15167	15169	20160217082658.832	20160217082659.262
PX4 (145)	15171	15173	20160217082659.695	20160217082700.129
PX4 (145)	15179	15181	20160217082701.426	20160217082701.859
PX4 (145)	15183	15185	20160217082702.289	20160217082702.722
PX4 (145)	15186	15188	20160217082702.937	20160217082703.371
PX4 (145)	15211	15214	20160217082709.855	20160217082710.508
PX4 (145)	15238	15240	20160217082717.207	20160217082717.640
PX4 (145)	15929	15931	20160217083021.456	20160217083021.886
PX4 (145)	15932	15934	20160217083022.105	20160217083022.538
PX4 (145)	15936	15938	20160217083022.968	20160217083023.402
PX4 (145)	15938	15940	20160217083023.402	20160217083025.347
PX4 (145)	15940	15942	20160217083025.347	20160217083025.781
PX4 (145)	15942	15944	20160217083025.781	20160217083026.210
PX4 (145)	15945	15950	20160217083026.429	20160217083027.511
PX4 (145)	15950	15952	20160217083027.511	20160217083027.941
PX4 (145)	15952	15954	20160217083027.941	20160217083028.374
PX4 (145)	15955	15958	20160217083028.593	20160217083029.238
PX4 (145)	15958	15961	20160217083029.238	20160217083029.890
PX4 (145)	15961	15963	20160217083029.890	20160217083030.320
PX4 (145)	15963	15966	20160217083030.320	20160217083030.968
PX4 (145)	15966	15970	20160217083030.968	20160217083033.347
PX4 (145)	15970	15972	20160217083033.347	20160217083033.781
PX4 (145)	15976	15982	20160217083034.644	20160217083035.941
PX4 (145)	15983	15985	20160217083036.159	20160217083036.589
PX4 (145)	15989	15991	20160217083037.456	20160217083037.886
PX4 (145)	15993	15995	20160217083038.320	20160217083038.753
PX4 (145)	16004	16006	20160217083042.210	20160217083042.644
PX4 (145)	16007	16010	20160217083042.863	20160217083043.507
PX4 (145)	16013	16016	20160217083044.159	20160217083044.808
PX4 (145)	16037	16039	20160217083050.859	20160217083051.292
PX4 (145)	16040	16043	20160217083051.511	20160217083052.159
PX4 (145)	16045	16047	20160217083052.589	20160217083053.023
PX4 (145)	16047	16051	20160217083053.023	20160217083053.886
PX4 (145)	156	158	20160217083305.343	20160217083305.776
PX4 (145)	159	161	20160217083305.991	20160217083306.425
PX4 (145)	161	163	20160217083306.425	20160217083306.858
PX4 (145)	163	165	20160217083306.858	20160217083307.288
PX4 (145)	177	179	20160217083309.886	20160217083310.315
PX4 (145)	179	181	20160217083310.315	20160217083310.749
PX4 (145)	181	183	20160217083310.749	20160217083311.183
PX4 (145)	183	185	20160217083311.183	20160217083311.612
PX4 (145)	186	190	20160217083313.343	20160217083314.210
PX4 (145)	190	194	20160217083314.210	20160217083315.073
PX4 (145)	194	198	20160217083315.073	20160217083315.936

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
PX4 (145)	207	210	20160217083317.882	20160217083318.534
PX4 (145)	210	213	20160217083318.534	20160217083319.179
PX4 (145)	214	216	20160217083319.397	20160217083321.343
PX4 (145)	216	218	20160217083321.343	20160217083321.776
PX4 (145)	218	220	20160217083321.776	20160217083322.206
PX4 (145)	220	222	20160217083322.206	20160217083322.640
PX4 (145)	222	225	20160217083322.640	20160217083323.288
PX4 (145)	226	228	20160217083323.503	20160217083323.936
PX4 (145)	228	230	20160217083323.936	20160217083324.370
PX4 (145)	230	232	20160217083324.370	20160217083324.800
PX4 (145)	237	241	20160217083325.882	20160217083326.749
PX4 (145)	241	243	20160217083326.749	20160217083327.182
PX4 (145)	243	245	20160217083327.182	20160217083327.612
PX4 (145)	252	261	20160217083330.640	20160217083332.585
PX4 (145)	2841	4865	20160217220559.484	20160217221500.010
PX4 (145)	5541	6215	20160217221759.502	20160217222100.037
PX4 (145)	6891	7565	20160217222359.490	20160217222700.024
PX4 (145)	8914	10265	20160217223259.797	20160217223900.015
IMG (150)	2325	2327	20160217081305.556	20160217081305.990
IMG (150)	2335	2337	20160217081307.721	20160217081308.154
IMG (150)	2337	2340	20160217081308.154	20160217081308.799
IMG (150)	2341	2654	20160217081309.017	20160217081422.529
IMG (150)	2657	2659	20160217081423.177	20160217081423.607
IMG (150)	2668	2670	20160217081426.205	20160217081426.634
IMG (150)	2670	2672	20160217081426.634	20160217081427.068
IMG (150)	2674	2676	20160217081427.502	20160217081427.935
IMG (150)	2678	2680	20160217081428.365	20160217081428.798
IMG (150)	2682	2684	20160217081429.232	20160217081429.662
IMG (150)	2751	2753	20160217081445.447	20160217081445.880
IMG (150)	2757	2760	20160217081446.744	20160217081447.392
IMG (150)	2764	2767	20160217081448.689	20160217081449.552
IMG (150)	2767	2769	20160217081449.552	20160217081449.986
IMG (150)	2770	2772	20160217081450.205	20160217081450.634
IMG (150)	2772	2774	20160217081450.634	20160217081451.068
IMG (150)	2774	2777	20160217081451.068	20160217081451.716
IMG (150)	2778	2792	20160217081451.931	20160217081454.959
IMG (150)	2792	2803	20160217081454.959	20160217081457.986
IMG (150)	2803	2808	20160217081457.986	20160217081459.068
IMG (150)	2808	2828	20160217081459.068	20160217081503.392
IMG (150)	2828	2834	20160217081503.392	20160217081505.337
IMG (150)	2834	2837	20160217081505.337	20160217081505.986
IMG (150)	2838	2846	20160217081506.205	20160217081507.931
IMG (150)	2847	2854	20160217081508.150	20160217081509.662
IMG (150)	5792	5802	20160217082641.316	20160217082643.480
IMG (150)	5802	5804	20160217082643.480	20160217082643.910
IMG (150)	5804	5816	20160217082643.910	20160217082646.508
IMG (150)	5832	5834	20160217082650.613	20160217082651.047
IMG (150)	5835	5838	20160217082651.262	20160217082651.914
IMG (150)	5840	5842	20160217082652.344	20160217082652.777
IMG (150)	5842	5848	20160217082652.777	20160217082654.074
IMG (150)	5848	5850	20160217082654.074	20160217082654.508
IMG (150)	5850	5855	20160217082654.508	20160217082655.586
IMG (150)	5855	5864	20160217082655.586	20160217082658.183

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	5867	5869	20160217082658.832	20160217082659.262
IMG (150)	5870	5874	20160217082659.480	20160217082700.344
IMG (150)	5876	5878	20160217082700.777	20160217082701.207
IMG (150)	5879	5882	20160217082701.426	20160217082702.074
IMG (150)	5882	5886	20160217082702.074	20160217082702.937
IMG (150)	5886	5888	20160217082702.937	20160217082703.371
IMG (150)	5905	5907	20160217082707.695	20160217082708.129
IMG (150)	5907	5909	20160217082708.129	20160217082708.558
IMG (150)	5915	5917	20160217082709.855	20160217082710.289
IMG (150)	5946	5948	20160217082717.207	20160217082717.640
IMG (150)	6728	6731	20160217083021.242	20160217083021.886
IMG (150)	6731	6736	20160217083021.886	20160217083022.968
IMG (150)	6736	6749	20160217083022.968	20160217083026.429
IMG (150)	6749	6752	20160217083026.429	20160217083027.077
IMG (150)	6752	6754	20160217083027.077	20160217083027.511
IMG (150)	6754	6759	20160217083027.511	20160217083028.593
IMG (150)	6759	6765	20160217083028.593	20160217083029.890
IMG (150)	6765	6767	20160217083029.890	20160217083030.320
IMG (150)	6768	6777	20160217083030.534	20160217083032.917
IMG (150)	6778	6780	20160217083033.347	20160217083033.781
IMG (150)	6782	6784	20160217083034.214	20160217083034.644
IMG (150)	6784	6786	20160217083034.644	20160217083035.077
IMG (150)	6787	6791	20160217083035.292	20160217083036.159
IMG (150)	6791	6794	20160217083036.159	20160217083036.808
IMG (150)	6813	6815	20160217083041.566	20160217083041.995
IMG (150)	6816	6818	20160217083042.210	20160217083042.644
IMG (150)	6819	6822	20160217083042.863	20160217083043.507
IMG (150)	6823	6825	20160217083043.726	20160217083044.159
IMG (150)	6825	6828	20160217083044.159	20160217083044.808
IMG (150)	6841	6845	20160217083047.616	20160217083048.913
IMG (150)	6848	6850	20160217083049.781	20160217083050.214
IMG (150)	6852	6855	20160217083050.644	20160217083051.292
IMG (150)	6855	6860	20160217083051.292	20160217083052.374
IMG (150)	6861	6863	20160217083052.589	20160217083053.023
IMG (150)	6864	6866	20160217083053.238	20160217083053.671
IMG (150)	7419	7421	20160217083303.612	20160217083304.261
IMG (150)	7422	7431	20160217083304.694	20160217083306.858
IMG (150)	7431	7433	20160217083306.858	20160217083307.288
IMG (150)	7444	7455	20160217083309.667	20160217083312.261
IMG (150)	7455	7460	20160217083312.261	20160217083313.776
IMG (150)	7460	7462	20160217083313.776	20160217083314.210
IMG (150)	7462	7466	20160217083314.210	20160217083315.073
IMG (150)	7466	7471	20160217083315.073	20160217083316.155
IMG (150)	7471	7473	20160217083316.155	20160217083316.585
IMG (150)	7479	7482	20160217083317.882	20160217083318.534
IMG (150)	7483	7491	20160217083318.749	20160217083320.909
IMG (150)	7492	7494	20160217083321.343	20160217083321.776
IMG (150)	7494	7498	20160217083321.776	20160217083322.640
IMG (150)	7498	7501	20160217083322.640	20160217083323.288
IMG (150)	7501	7508	20160217083323.288	20160217083324.800
IMG (150)	7512	7515	20160217083325.667	20160217083326.315
IMG (150)	7515	7522	20160217083326.315	20160217083328.046
IMG (150)	7522	7526	20160217083328.046	20160217083329.343

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Table 2 – continued from previous page

APID	Seq from	Seq to	Time from	Time to
IMG (150)	7526	7528	20160217083329.343	20160217083329.776
IMG (150)	7528	7536	20160217083329.776	20160217083331.507
IMG (150)	7536	7541	20160217083331.507	20160217083332.585
IMG (150)	1726	4021	20160217220559.918	20160217221500.010
IMG (150)	4786	5551	20160217221759.932	20160217222100.037
IMG (150)	6316	7081	20160217222359.919	20160217222700.024
IMG (150)	8610	10141	20160217223259.797	20160217223900.015
VER (160)	8336	8338	20160217081303.611	20160217081303.611
VER (160)	8338	8386	20160217081303.611	20160217081423.607
VER (160)	8393	8395	20160217081431.611	20160217081439.607
VER (160)	8398	8401	20160217081439.607	20160217081447.607
VER (160)	8403	8414	20160217081447.607	20160217081511.607
VER (160)	8846	8848	20160217082639.586	20160217082639.586
VER (160)	8853	8857	20160217082647.590	20160217082655.586
VER (160)	8983	8988	20160217083015.620	20160217083023.402
VER (160)	8988	8993	20160217083023.402	20160217083031.617
VER (160)	8993	8995	20160217083031.617	20160217083039.616
VER (160)	9001	9004	20160217083047.616	20160217083055.616
VER (160)	9086	9098	20160217083303.612	20160217083319.397
VER (160)	9100	9103	20160217083327.612	20160217083327.612
VER (160)	6805	7141	20160217220559.484	20160217221503.467
VER (160)	7255	7366	20160217221759.502	20160217222103.494
VER (160)	7480	7591	20160217222359.490	20160217222703.485
VER (160)	7815	8041	20160217223255.473	20160217223903.491
AUX (180)	1666	1676	20160217081304.045	20160217081424.041
AUX (180)	1679	1682	20160217081448.041	20160217081512.041
AUX (180)	1798	1800	20160217083040.050	20160217083056.050
AUX (180)	1815	1819	20160217083256.046	20160217083328.046
AUX (180)	7913	7981	20160217220559.918	20160217221503.901
AUX (180)	8003	8026	20160217221759.932	20160217222103.927
AUX (180)	8048	8071	20160217222359.919	20160217222703.915
AUX (180)	8115	8161	20160217223255.906	20160217223903.925

Table 2: L0 data gaps

3 Instrument modes

Time	Transition from	Transition to
17/02/2016 00:00:07	-	Normal operation

Table 3: Instrument modes

4 L0 and L1 Data Quality

Flag	Value	Action
L0 IASI PDUs	447	e
L1 ENG PDUs	444	e
L1 ENG distinct GEPSGranule	443	a
GQisFlagQual set (PX1)	99.38 %	-
GQisFlagQual set (PX2)	99.39 %	-
GQisFlagQual set (PX3)	99.38 %	-
GQisFlagQual set (PX4)	99.42 %	-
GQisFlagQual set (all)	99.39 %	-

Table 4: Quality flags

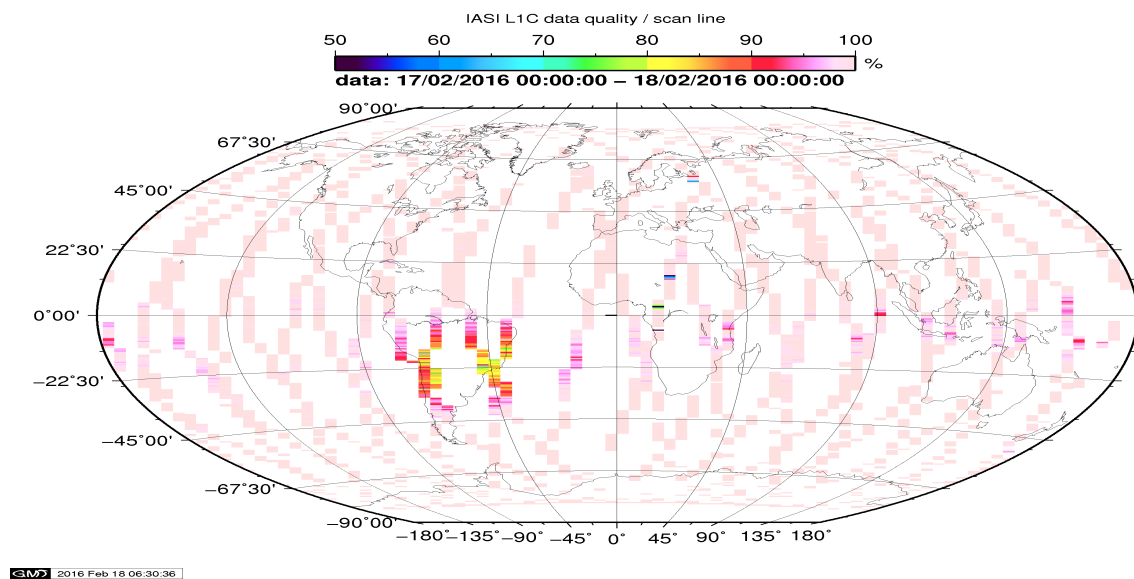


Figure 1: L1C data quality

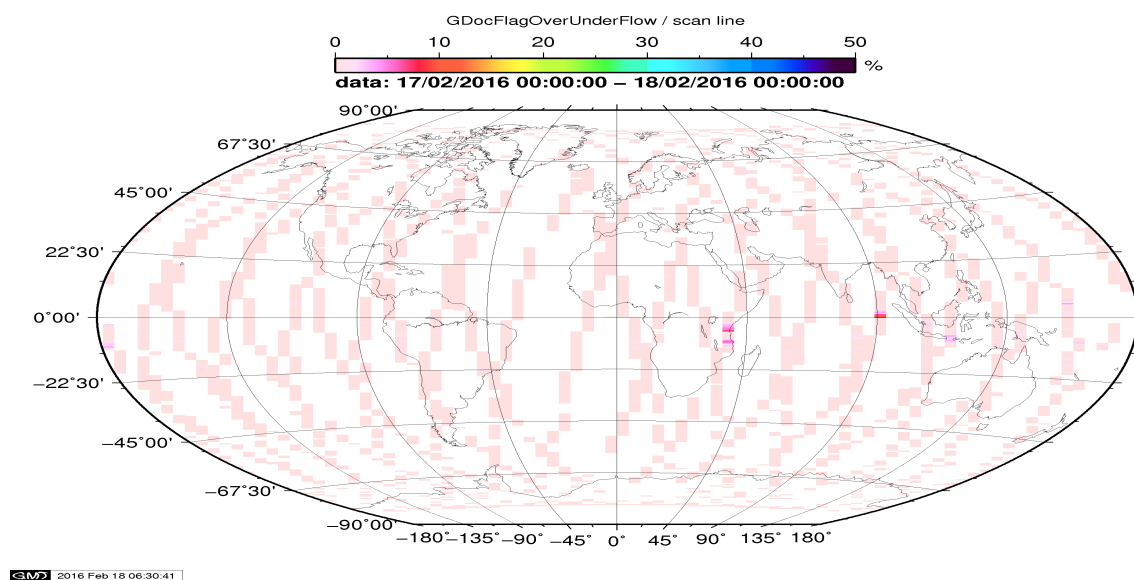


Figure 2: Flag of Over and Under Flows

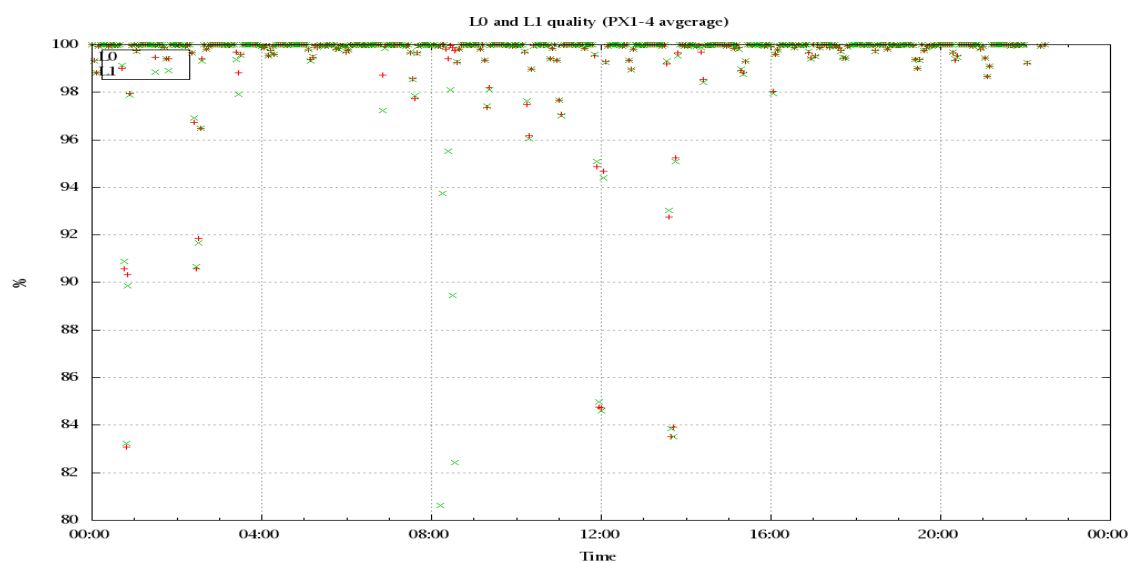


Figure 3: Level 0 and 1C overall quality

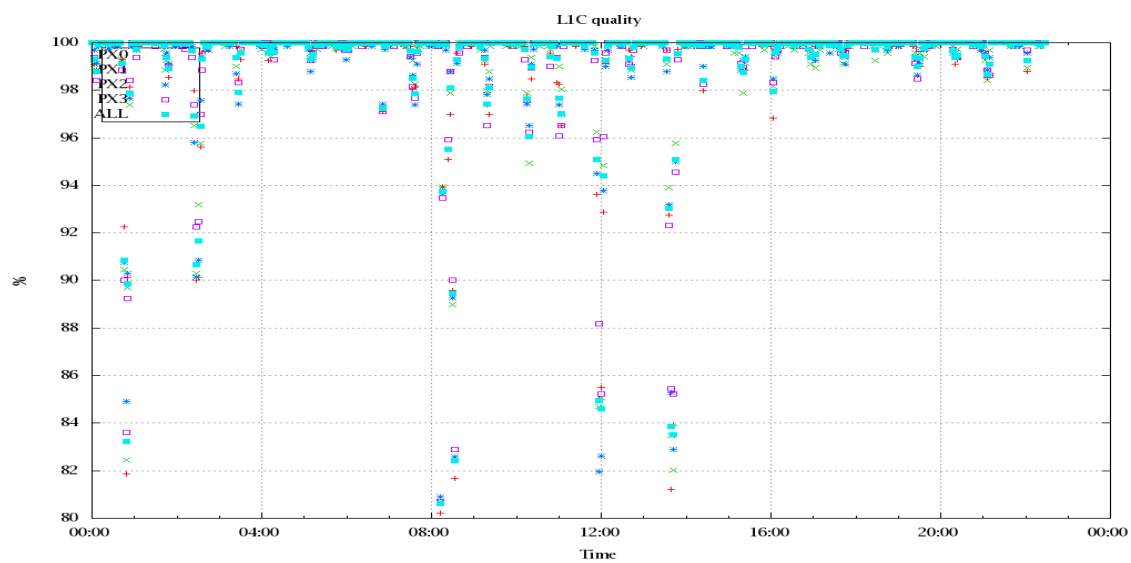


Figure 4: Level 1C quality

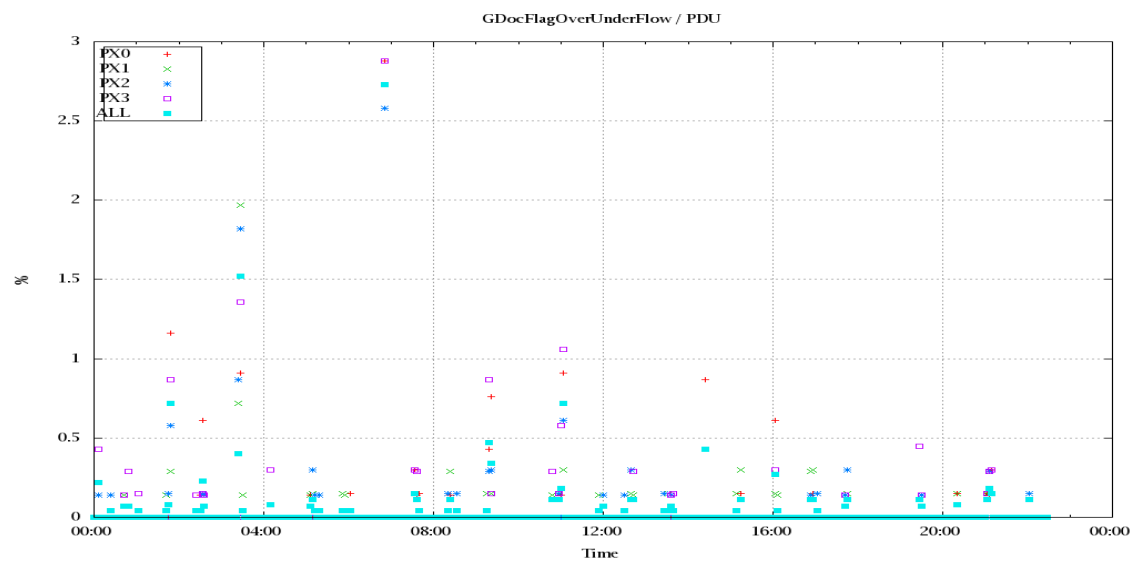


Figure 5: OverUnderFlowFlag timeseries

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.

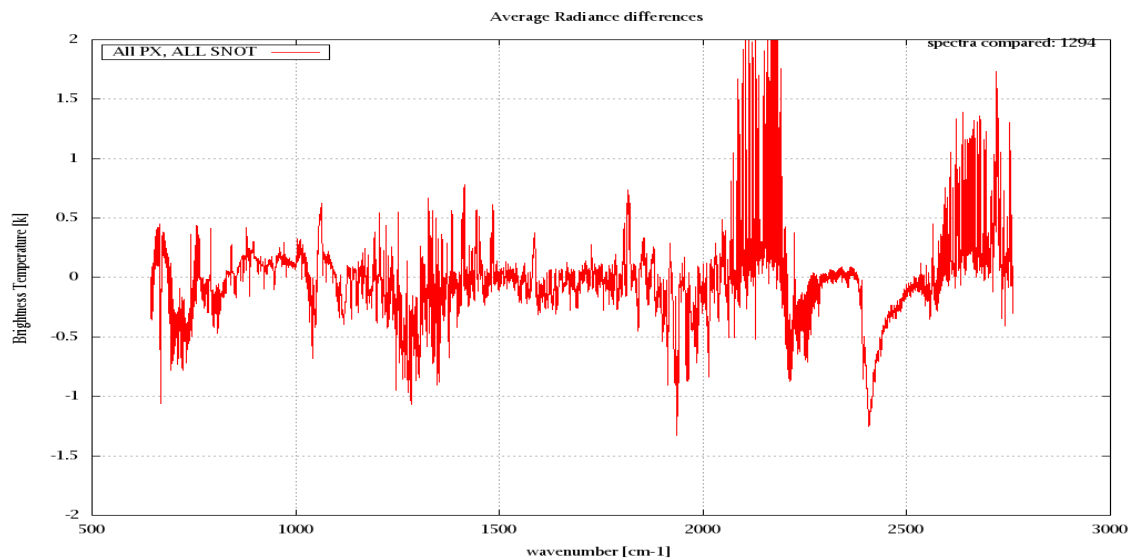


Figure 6: Average Radiance differences: OBS-CAL

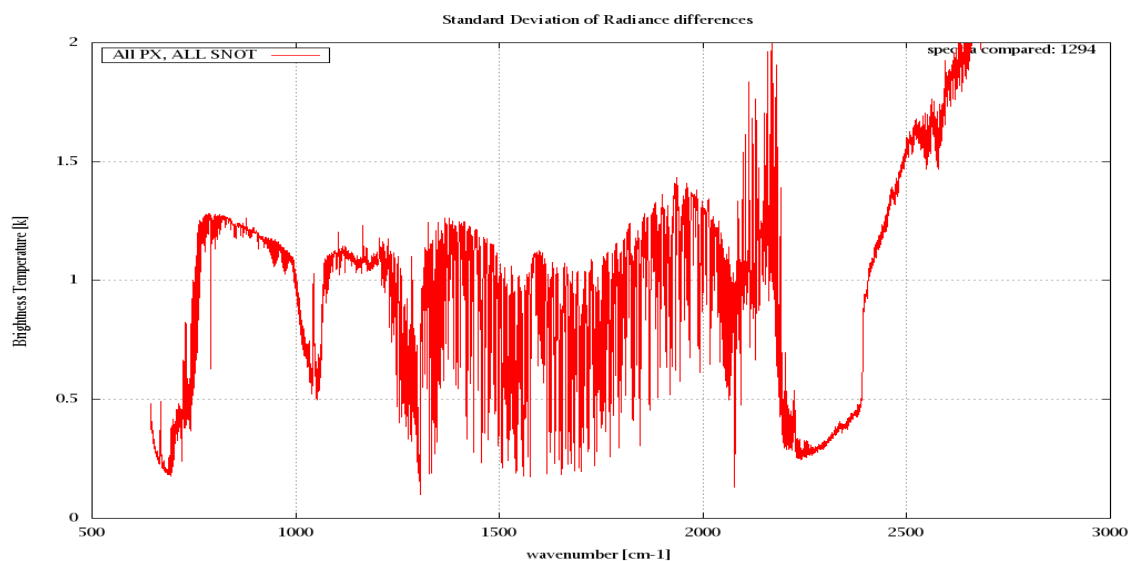


Figure 7: Standard Deviation of Radiance differences

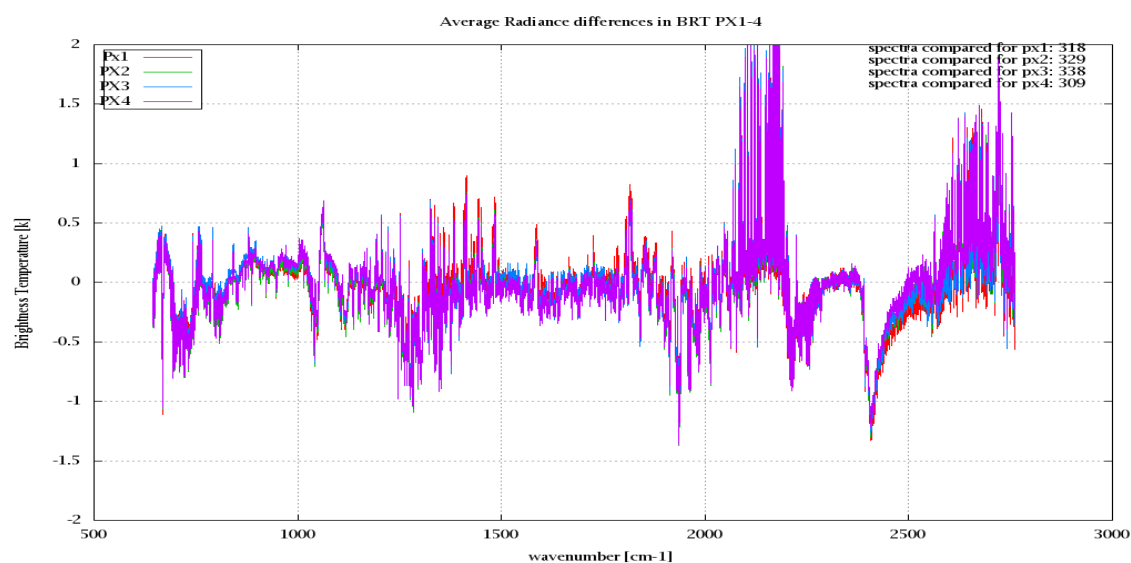


Figure 8: Average Radiance differences: OBS-CAL

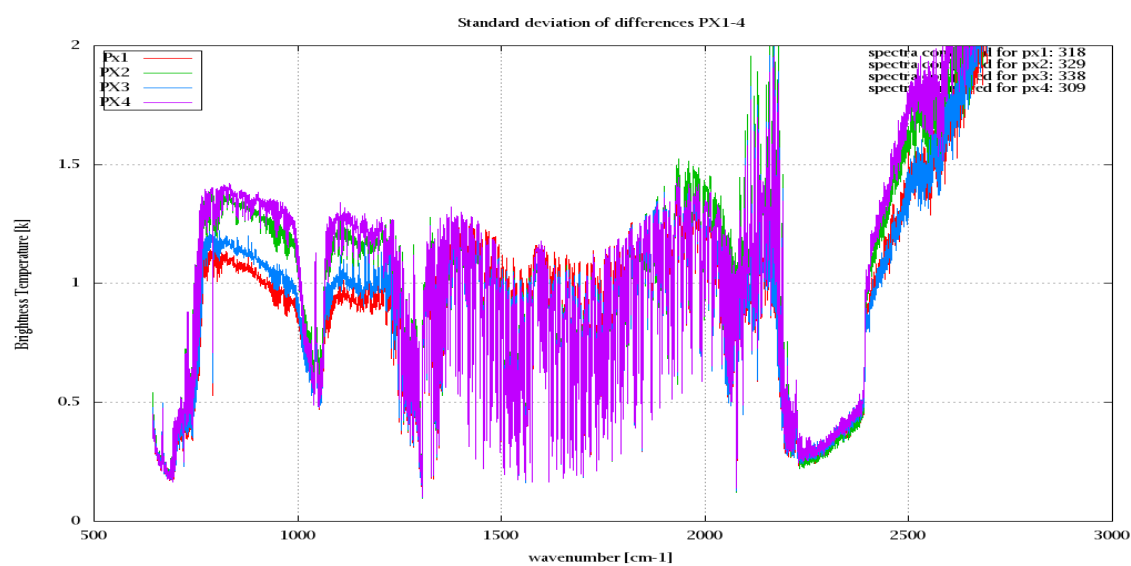


Figure 9: Standard Deviation of Radiance differences

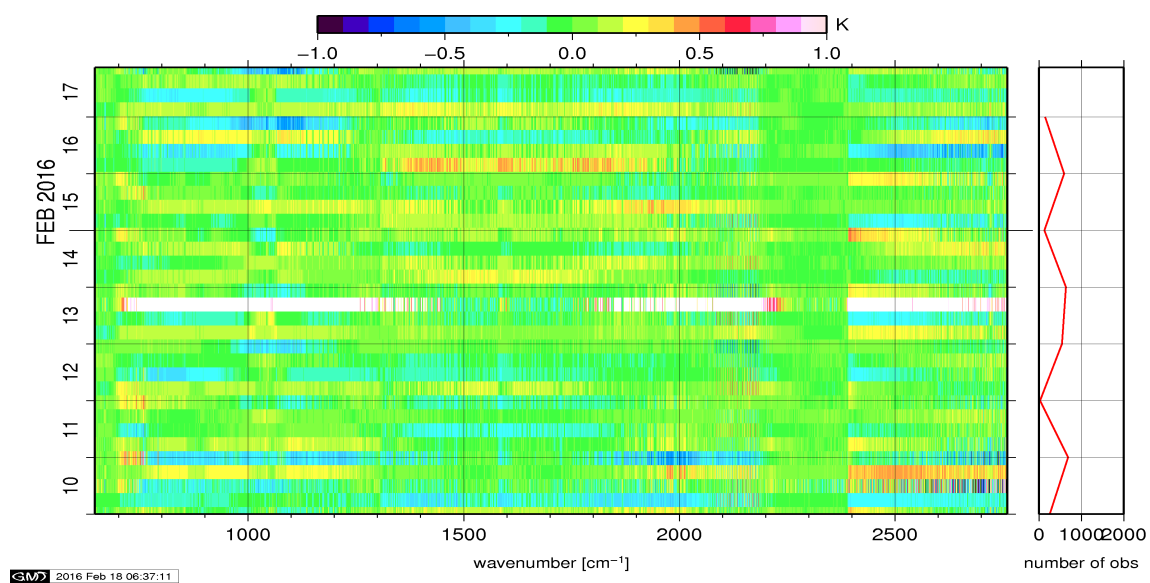


Figure 10: Radiance Anomaly in BRT: All Channels

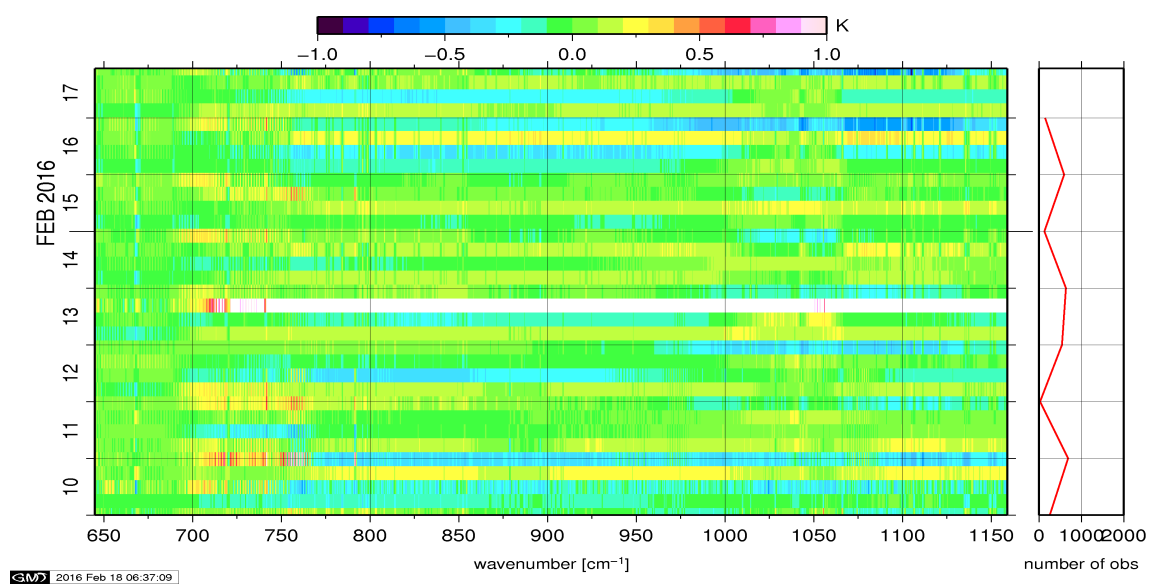


Figure 11: Radiance Anomaly in BRT: IASI Band 1

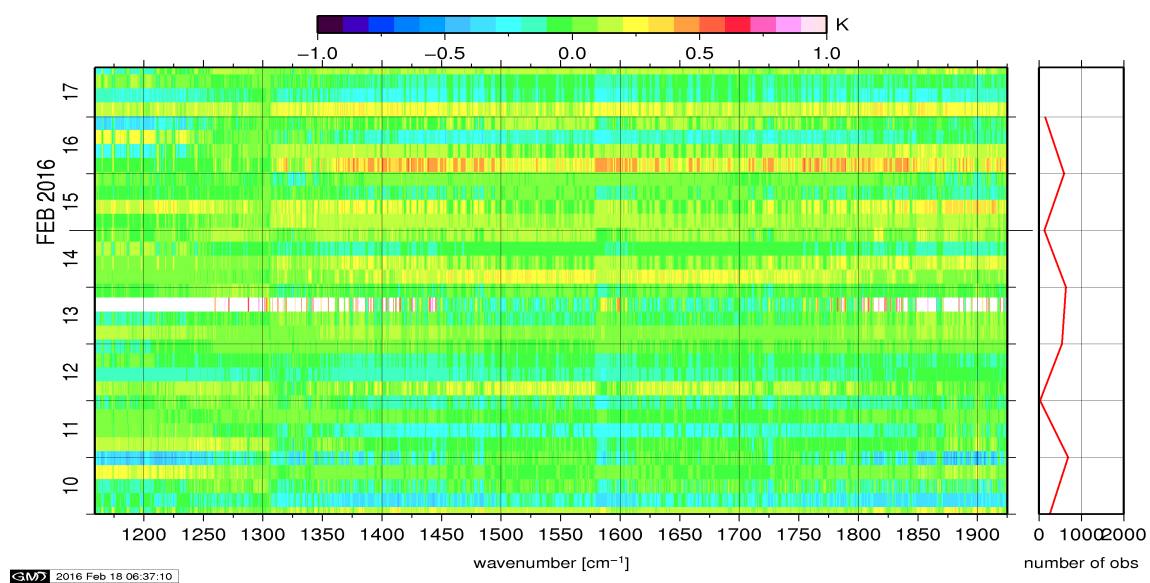


Figure 12: Radiance Anomaly in BRT: IASI Band 2

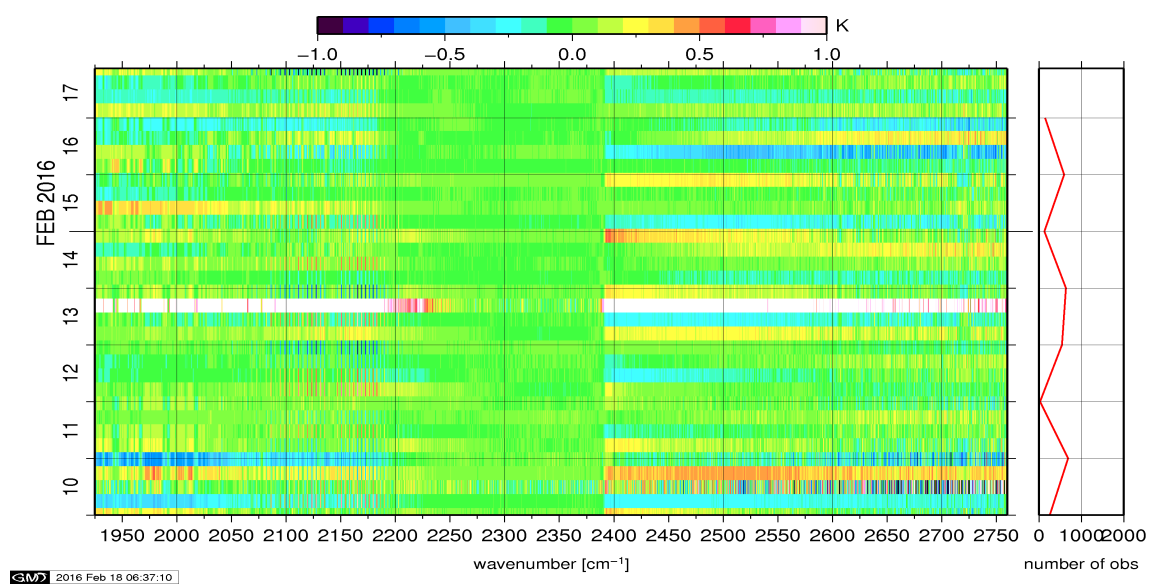


Figure 13: Radiance Anomaly in BRT: IASI Band 3

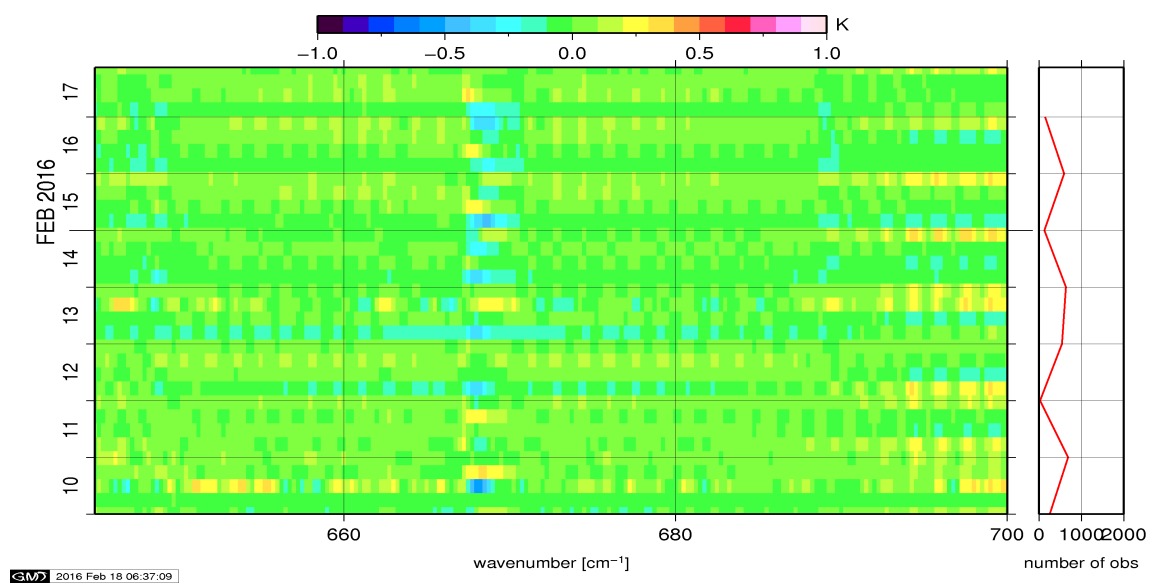


Figure 14: Radiance Anomaly in BRT: CO2 14

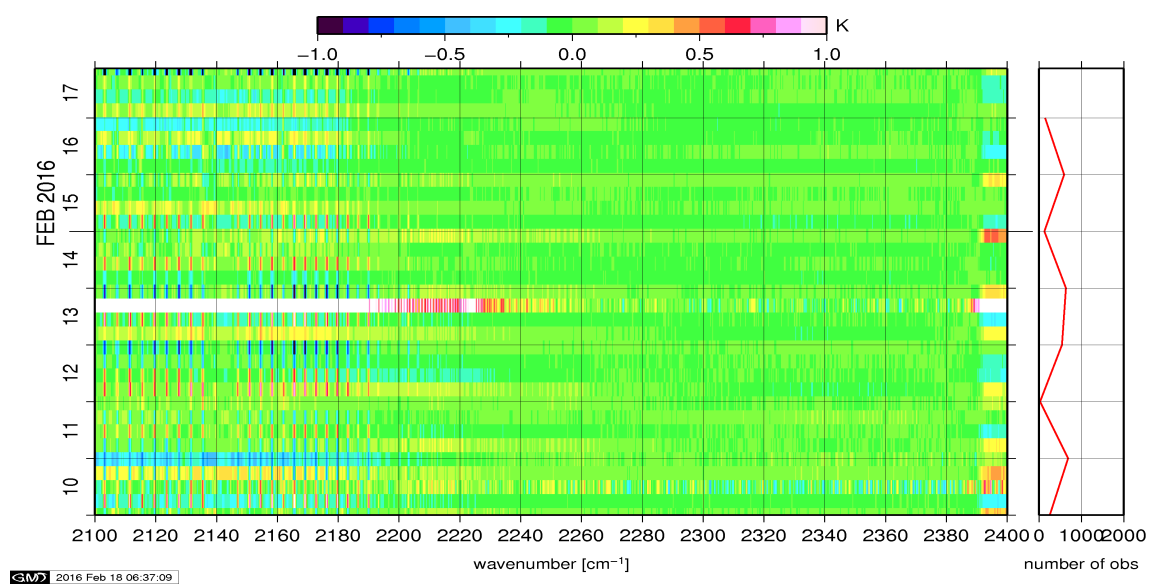


Figure 15: Radiance Anomaly in BRT: CO2 4.3

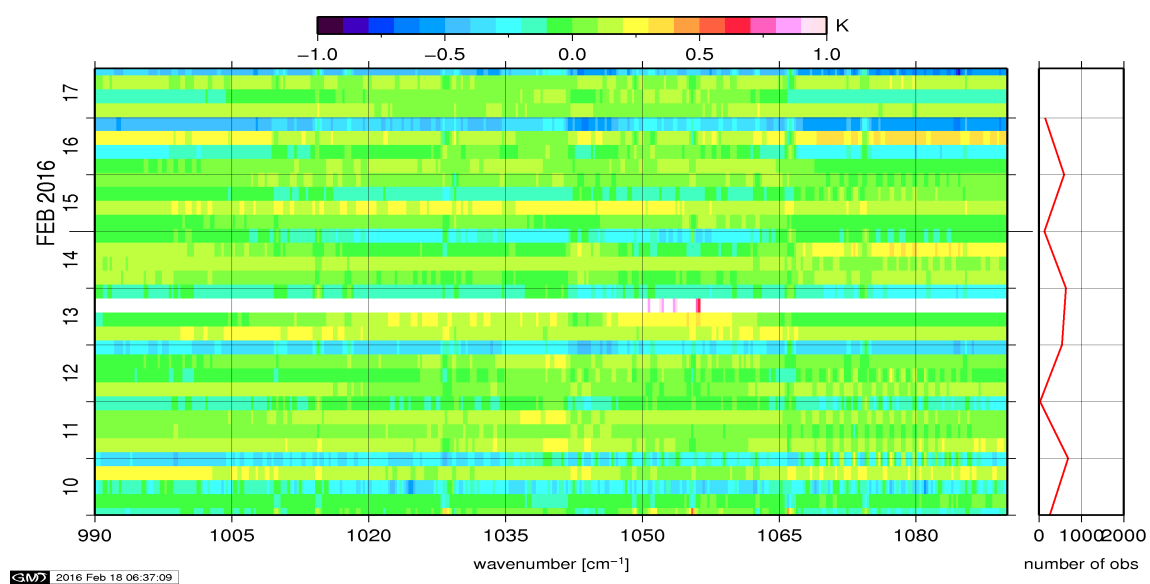


Figure 16: Radiance Anomaly in BRT: O3

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.

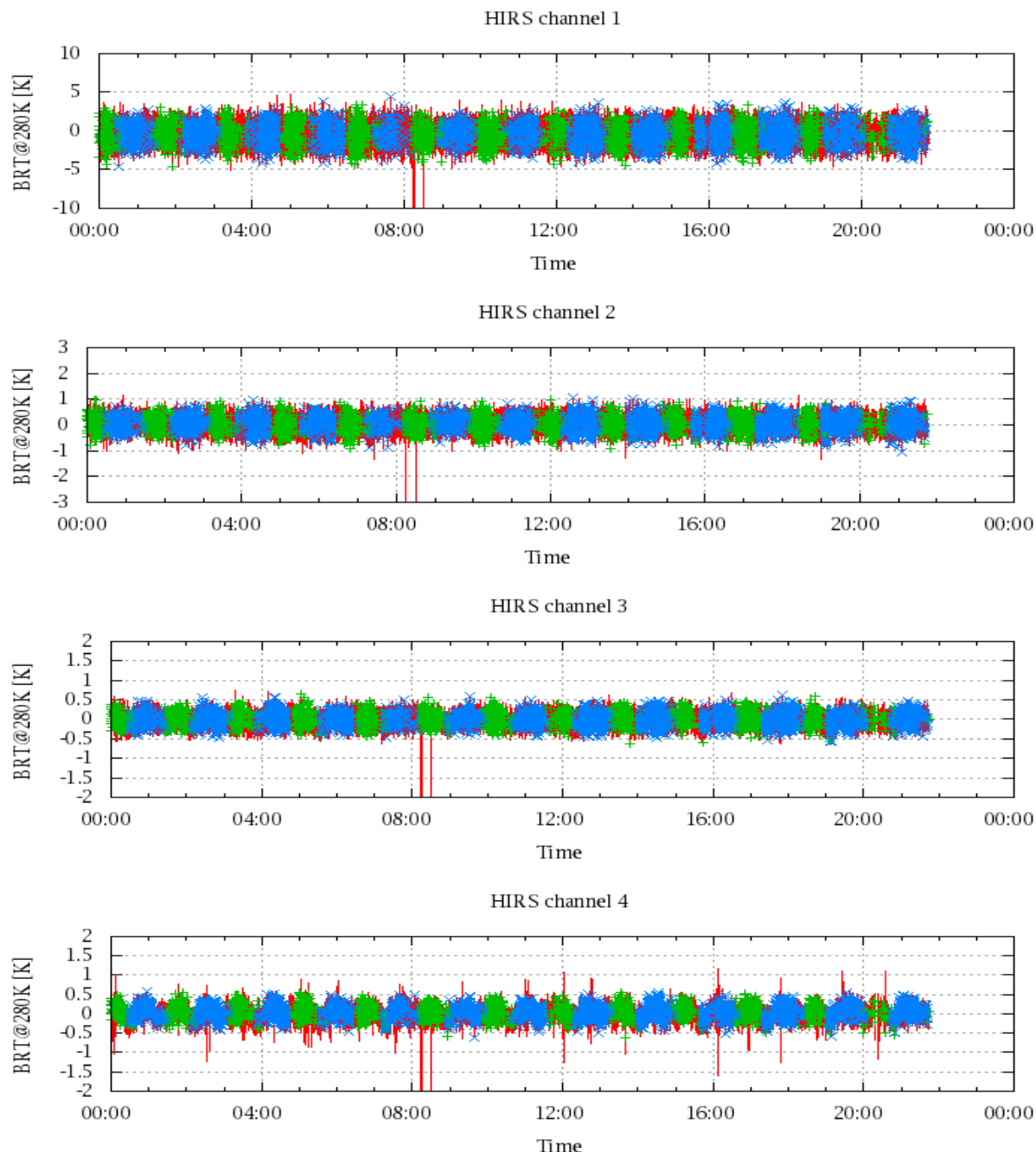


Figure 17: Radiance Differences in BRT

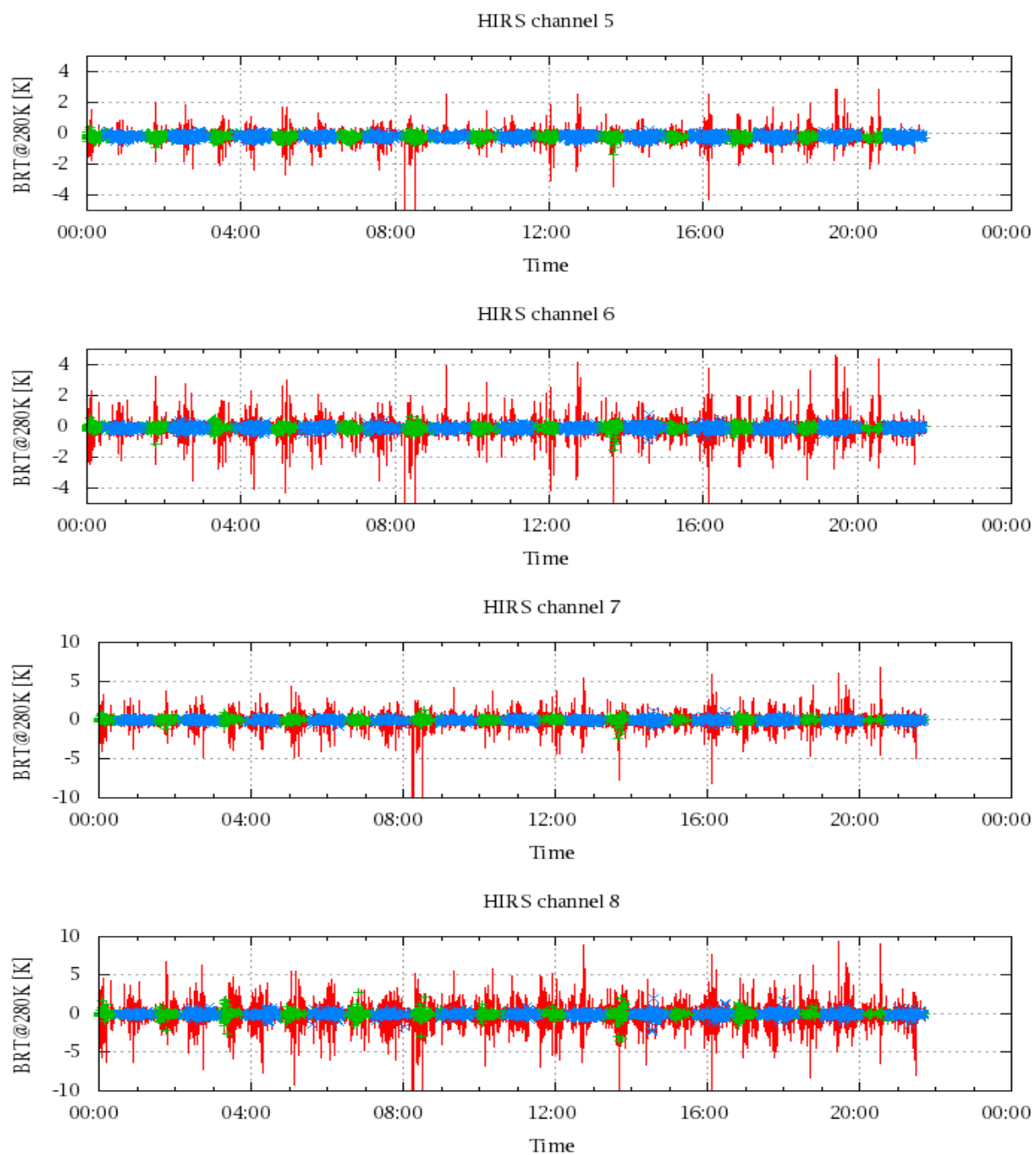


Figure 18: Radiance Differences in BRT

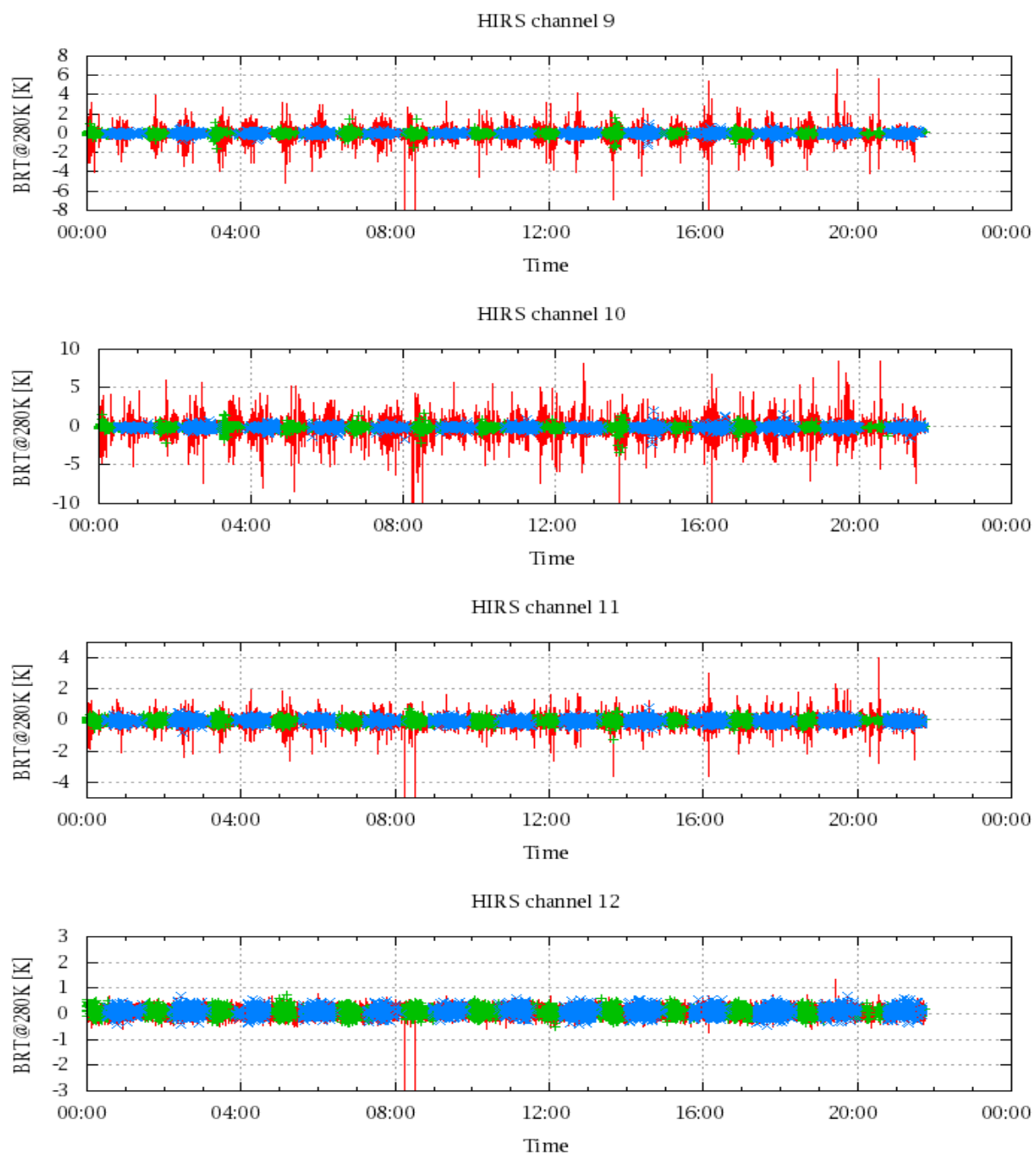


Figure 19: Radiance Differences in BRT

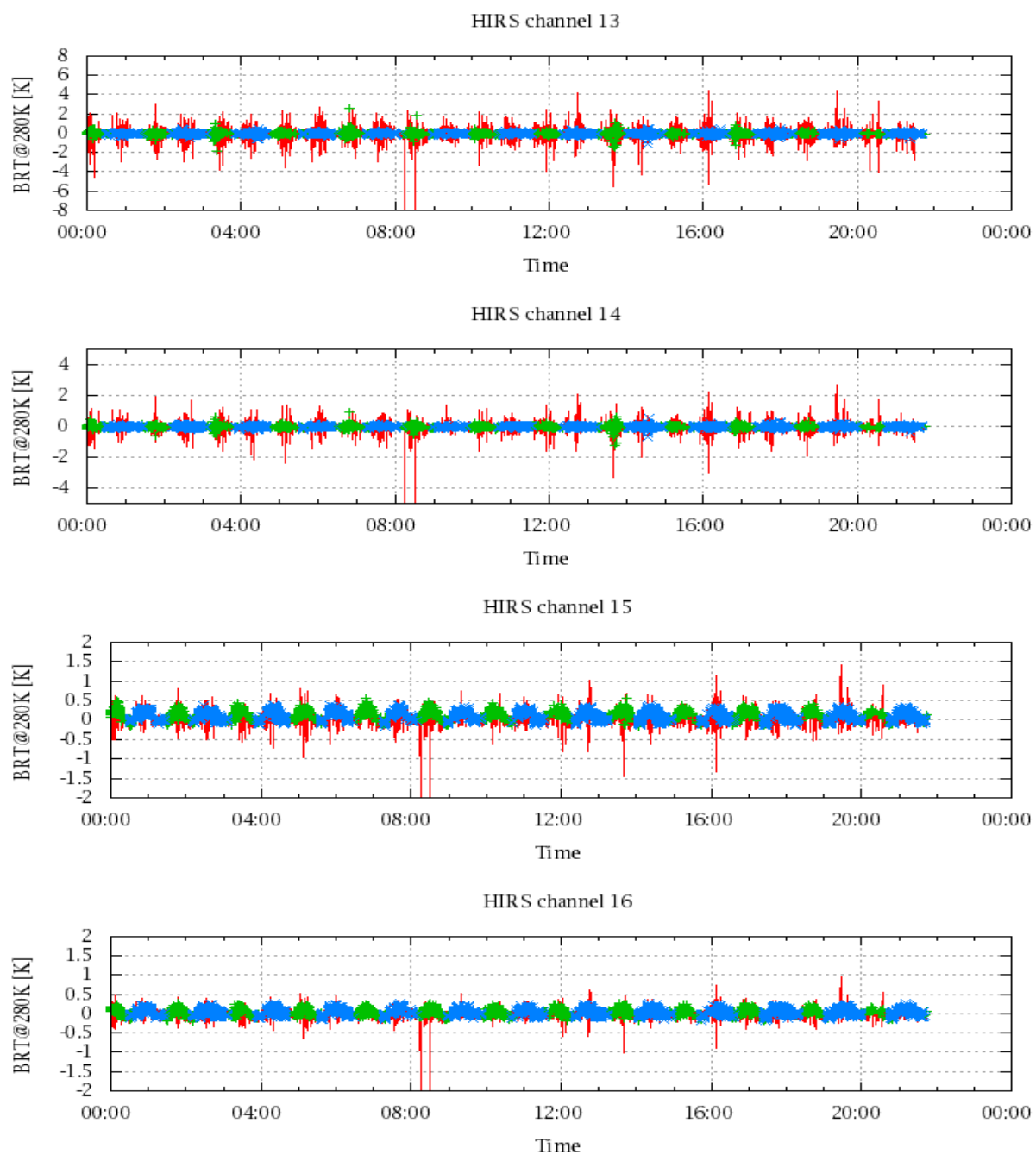


Figure 20: Radiance Differences in BRT

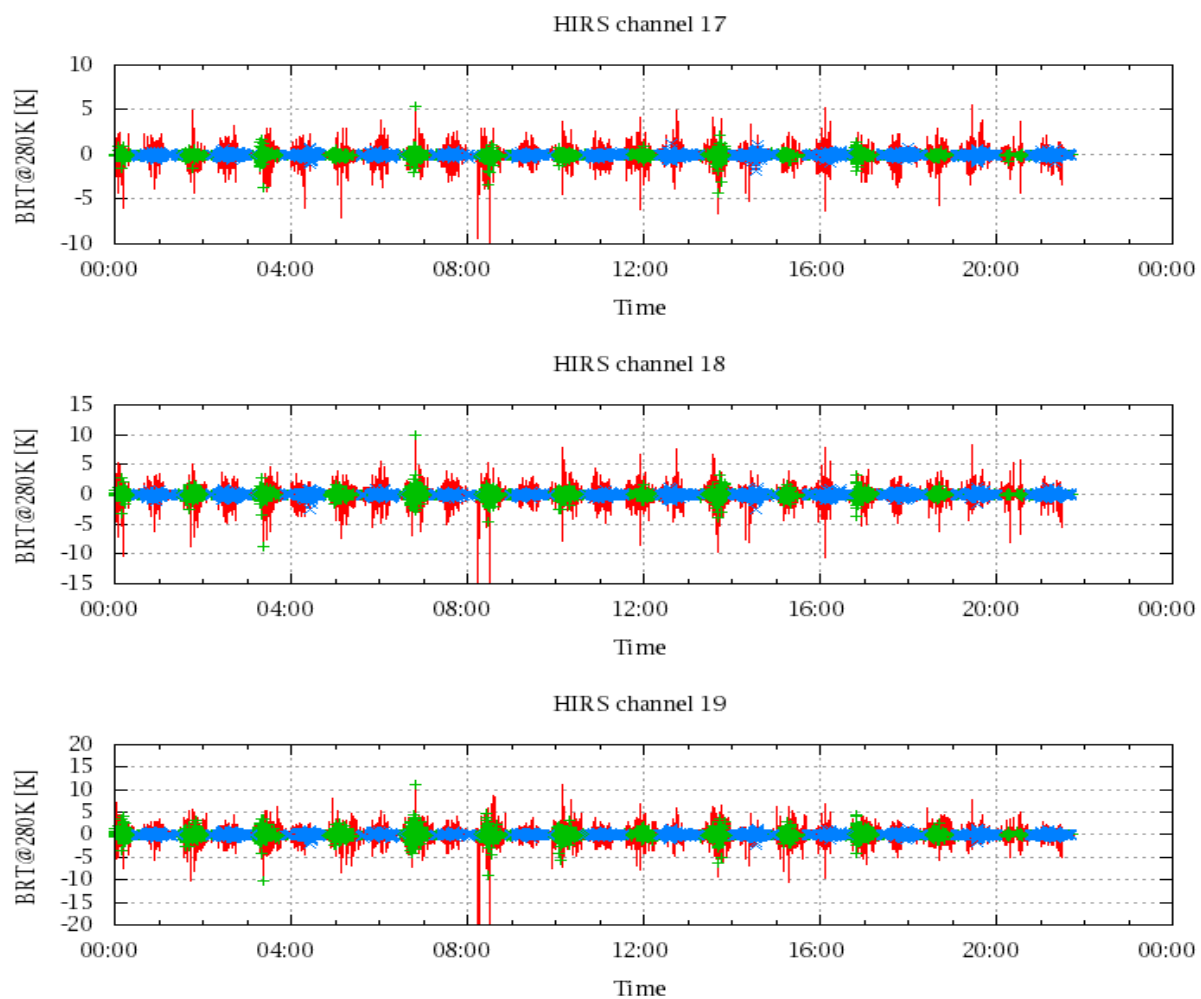


Figure 21: Radinace Differences in BRT