ASCAT DAILY Report

Metop-A

OPE

DAY 2014_300

20141027000000 - 20141027235959

DATA STATISTICS

```
BASED ON ORBITS (#14)

41616 41617 41618 41619 41620 41621 41622 41623 41624 41625 41626 41627 41628
41629 41630

DB STATISTICS : OPE M02_20141027

SMO 478    2.85     .56    1.64    4.68
SMR 478    3.87     .66    2.70    6.36
SZF 478     .65    1.88     .17   22.71
xxx 478   10.78    1.76    3.83   20.44


INGATE (STORE) STATISTICS : OPE M02_20141027

xxx_1A /fbf/tcdras/store/gs1/ASCA_xxx_1A_M02 -- number of files (xxx_1A) : 478
SZO_1B /fbf/tcdras/store/gs1/ASCA_SZO_1B_M02 -- number of files (SZO_1B) : 478
SZR_1B /fbf/tcdras/store/gs1/ASCA_SZR_1B_M02 -- number of files (SZR_1B) : 478
SZF_1B /fbf/tcdras/store/gs1/ASCA_SZF_1B_M02 -- number of files (SZF_1B) : 478
SMO_02 /fbf/tcdras/store/gs1/ASCA_SMO_02_M02 -- number of files (SMO_02) : 478
SMR_02 /fbf/tcdras/store/gs1/ASCA_SMR_02_M02 -- number of files (SMR_02) : 478
```

MOD/C/HB <Helmut.Bauch@eumetsat.int>

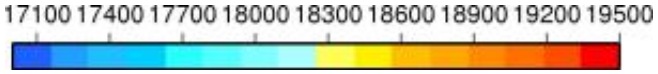
Overview

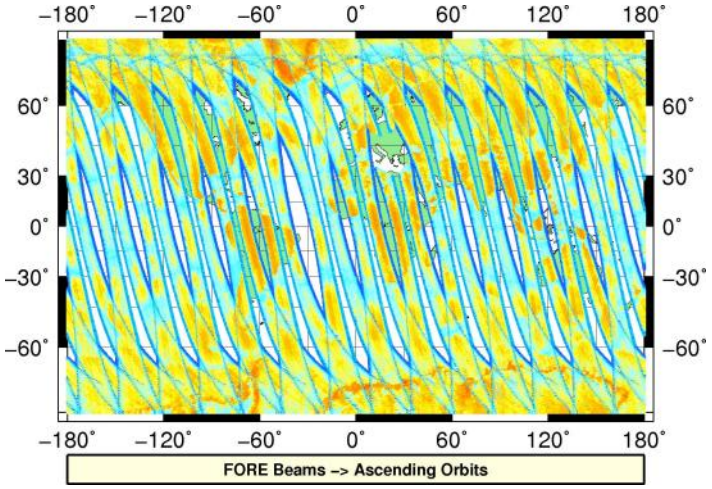
Configuration and SPHR content

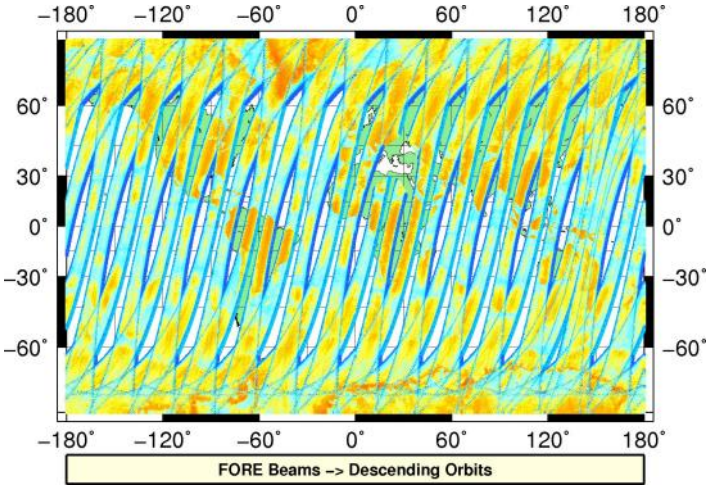
Parameter	Value
SENSING START-STOP	20141027000000 - 20141027235959
ORBIT START-STOP	-
SATELLITE	M02
SW - DPU Version	3.9 (57)
SW - ICU Version	2.03 (35)
PARAM - Drive Level ID	0 (Nominal drive level as defined in the active DPU Data Set)
PARAM - DPU Data Set ID	4
PARAM - Revision ID	0
INST - Table Set ID	0 (no calibration, nominal table set used)
INST - Redundancy Config	127
	nominal ICU
	nominal DPU
	nominal RFU
	nominal HPA
	nominal SFE
	nominal SFE LNA
	nominal signal path (from HPA_B)
N_L1A_MDR	605440
N_L1A_MDR_B0	100908
N_L1A_MDR_B1	100908
N_L1A_MDR_B2	100907
N_L1A_MDR_B3	100906
N_L1A_MDR_B4	100906
N_L1A_MDR_B5	100905
N_GAPS	48
TOTAL_GAPS_SIZE	16899036
N_HKTM_PACKETS_RECEIVED	15890
N_F_NOISE	0
N_F_PG	0
N_V_PG	0
N_F_FILTER	0
N_V_FILTER	0
N_F_PGP	0
N_F_NP	0
N_F_ORBIT	0
N_F_ATTITUDE	0
N_F_OMEGA	0
N_F_MAN	0
N_F_OSV	0
N_F_E_TEL_PRES	0
N_F_E_TEL_IR	0
N_F_CE	0
N_V_CE	0
N_F_OA	0
N_F_TEL	0
N_F_REF	0
N_F_SA	1070733
N_F_LAND	49320971
N_F_GEO	3260196
N_F_SIGN	0
N_L1B_MDR	0
N_EMPTY_S0_TRIP	0
N_L1B_MDR_F	0
N_EMPTY_S0_TRIP_F	0
N_L1B_MDR_M	0

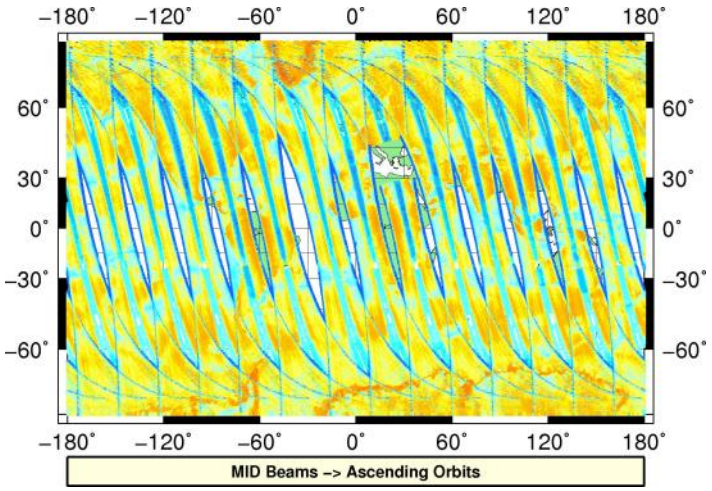
L1A Product

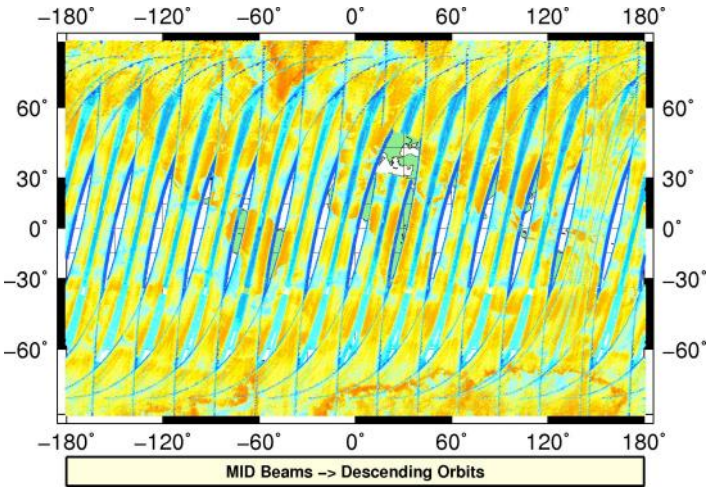
Echo Data Coverage maps

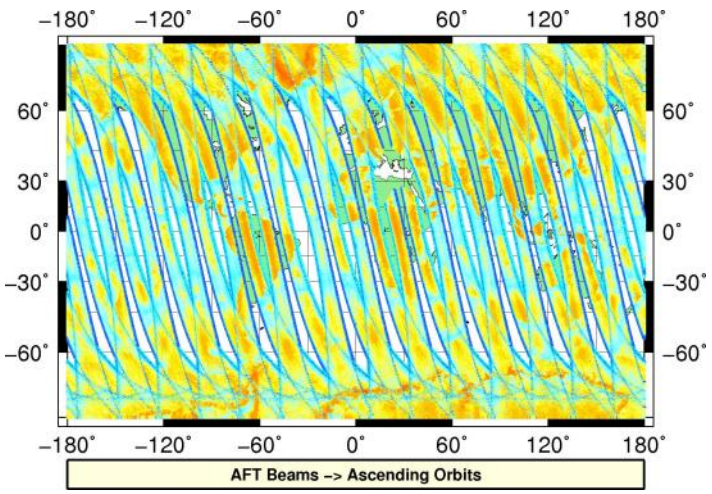


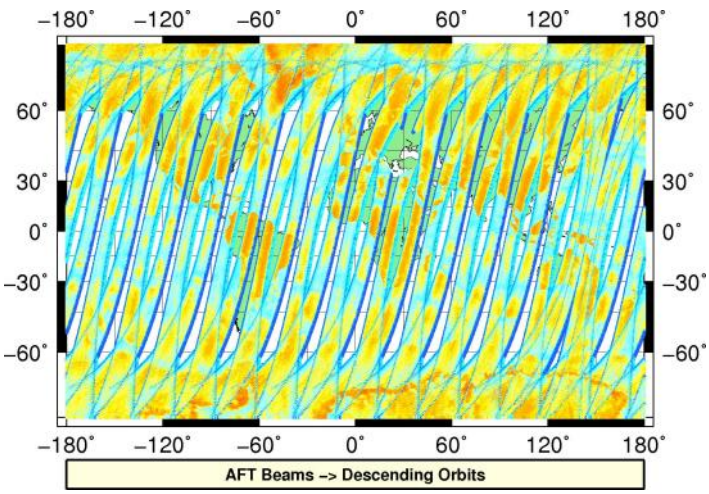






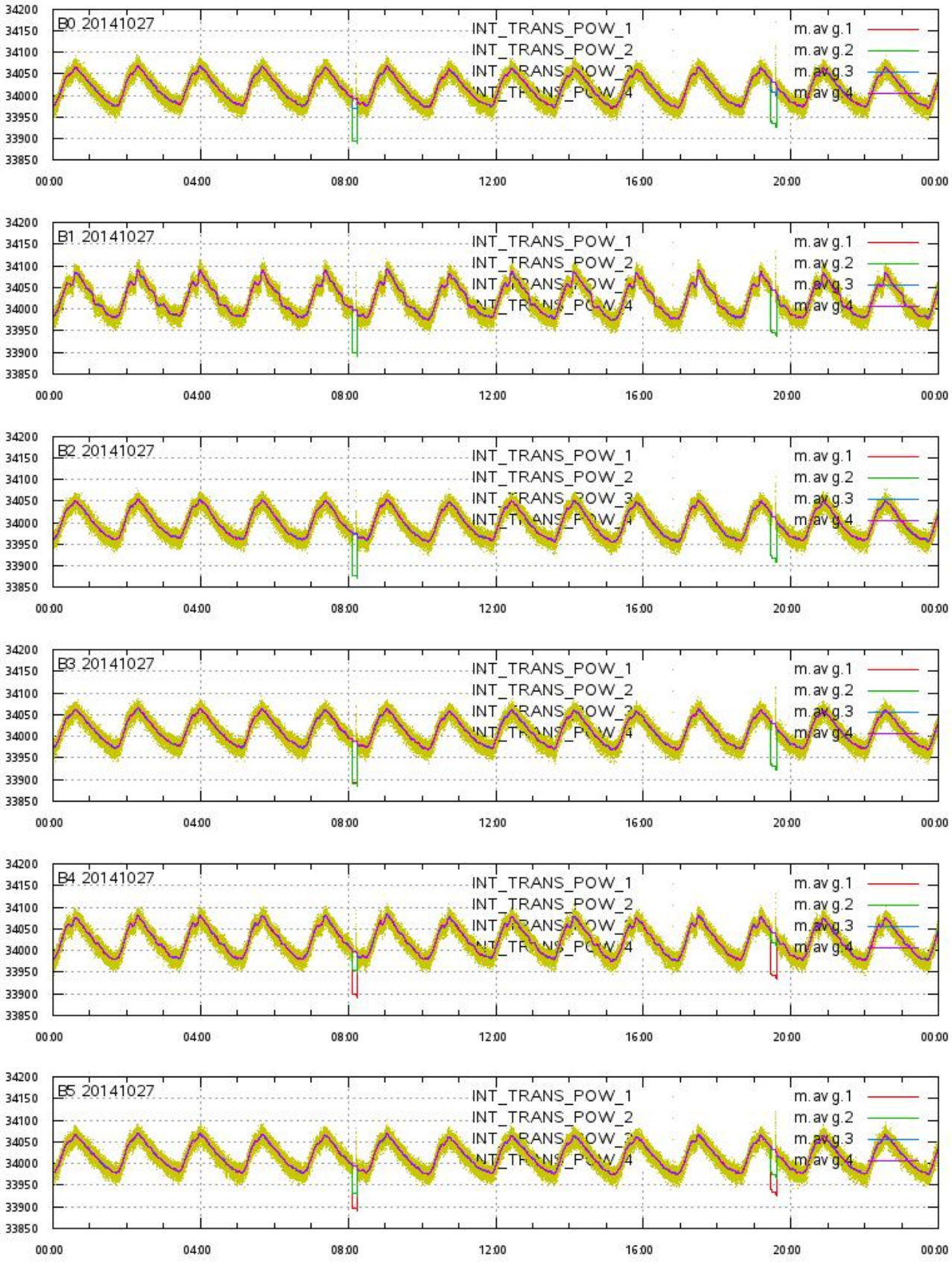






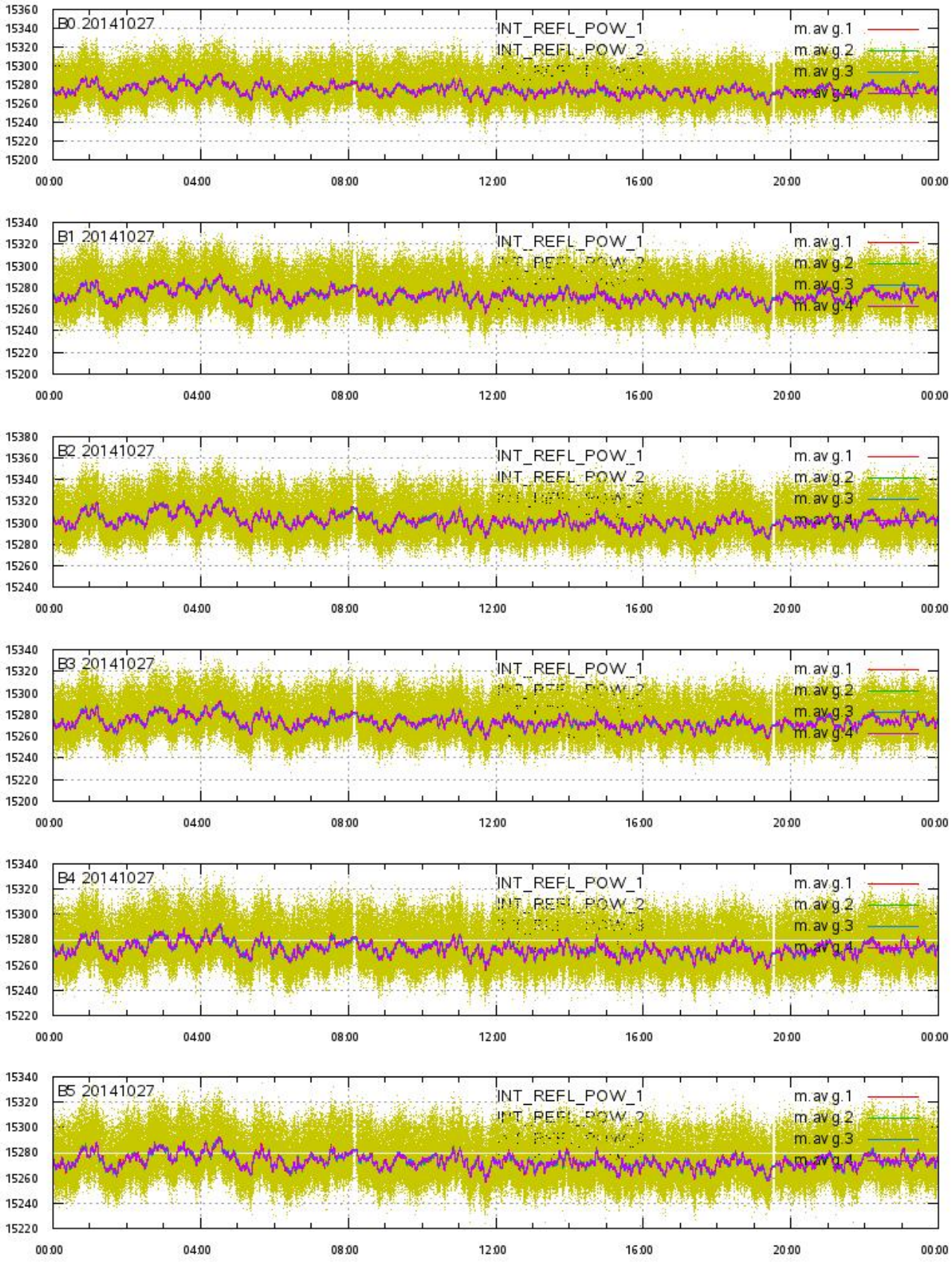
L1A Product

Integrated Transmitted Powers 1-4 per beam 0-5 vs. UTC_LOCALISATION



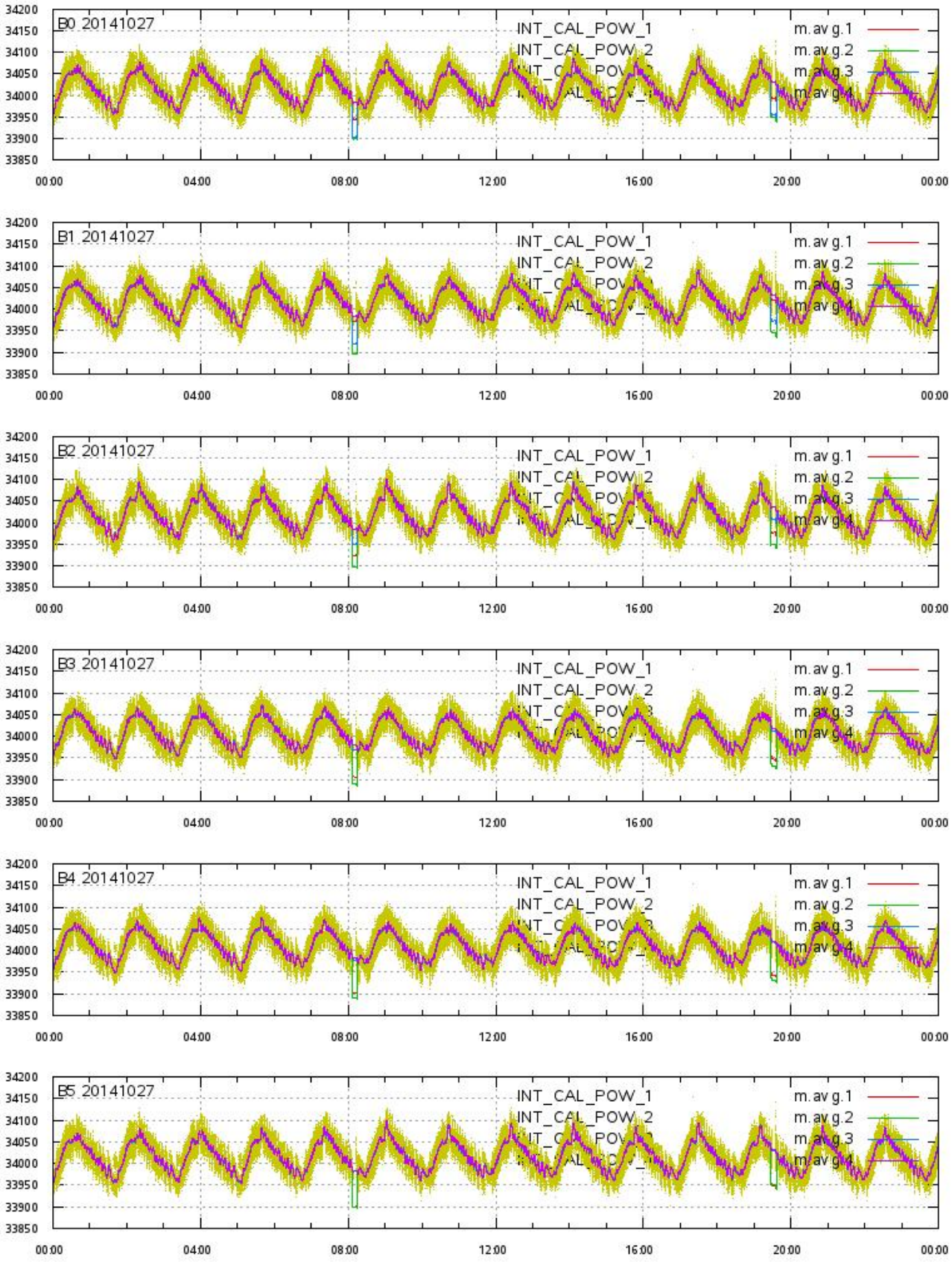
L1A Product

Integrated Reflected Powers 1-4 per beam 0-5 vs. UTC_LOCALISATION



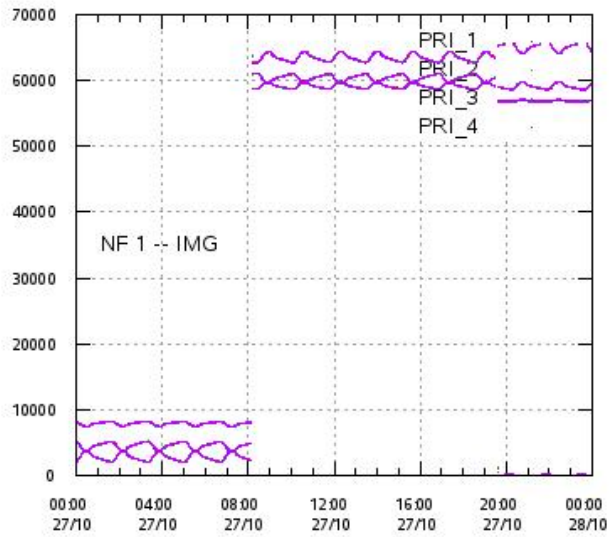
L1A Product

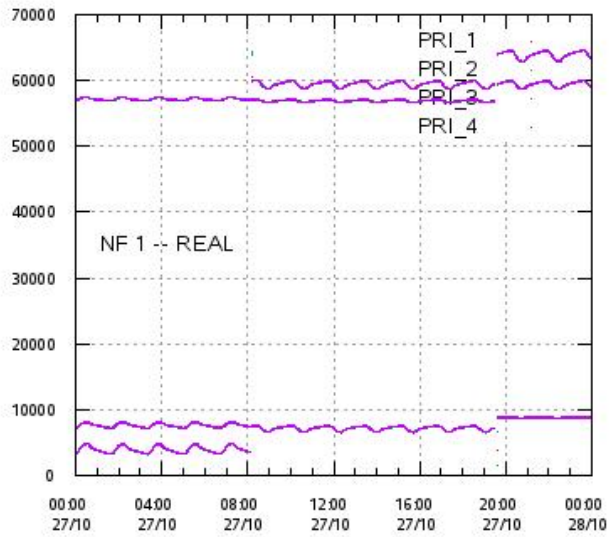
Integrated Calibration Powers 1-4 per beam 0-5 vs. UTC_LOCALISATION

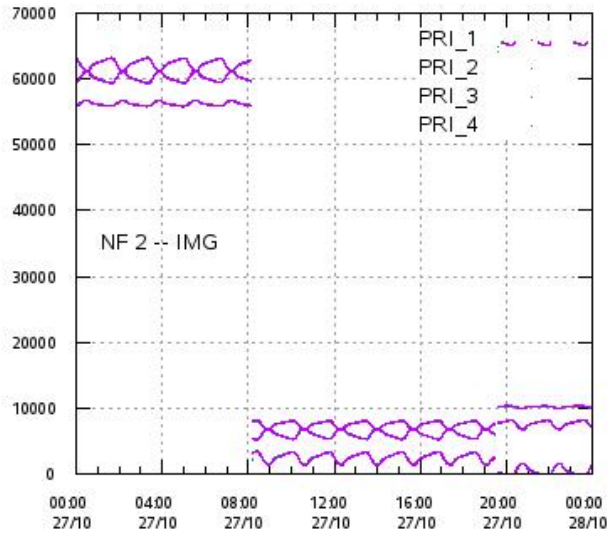


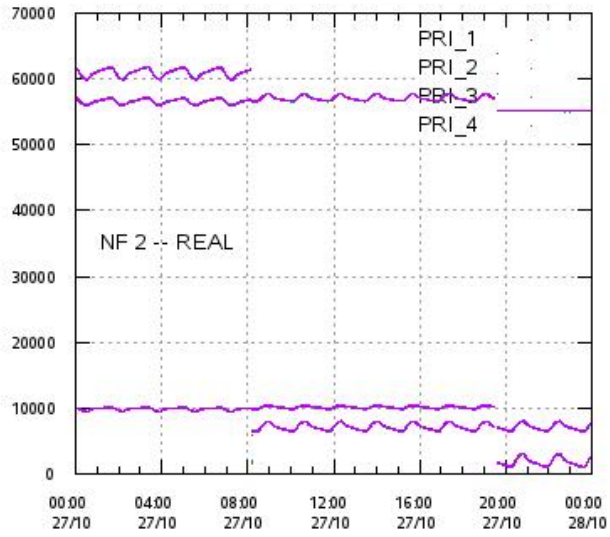
L1A Product

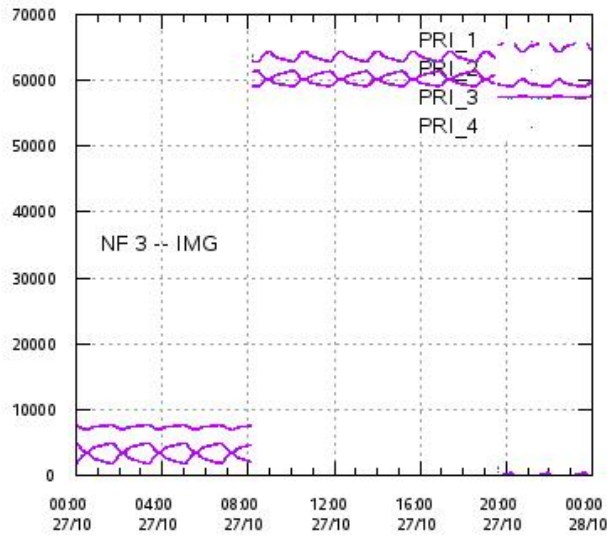
Calibration Powers vs. UTC_LOCALISATION

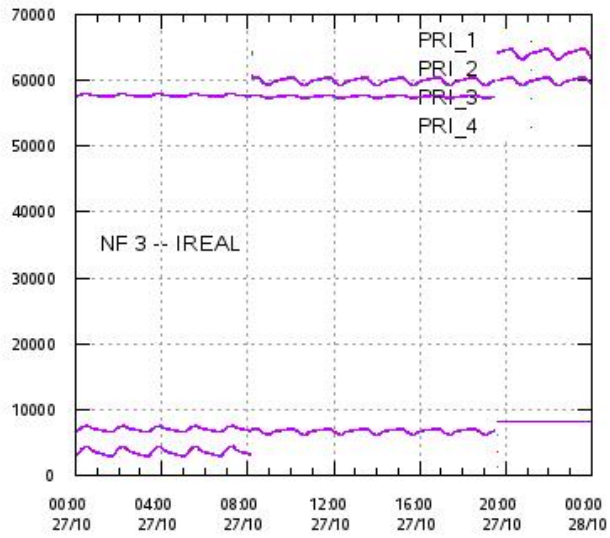






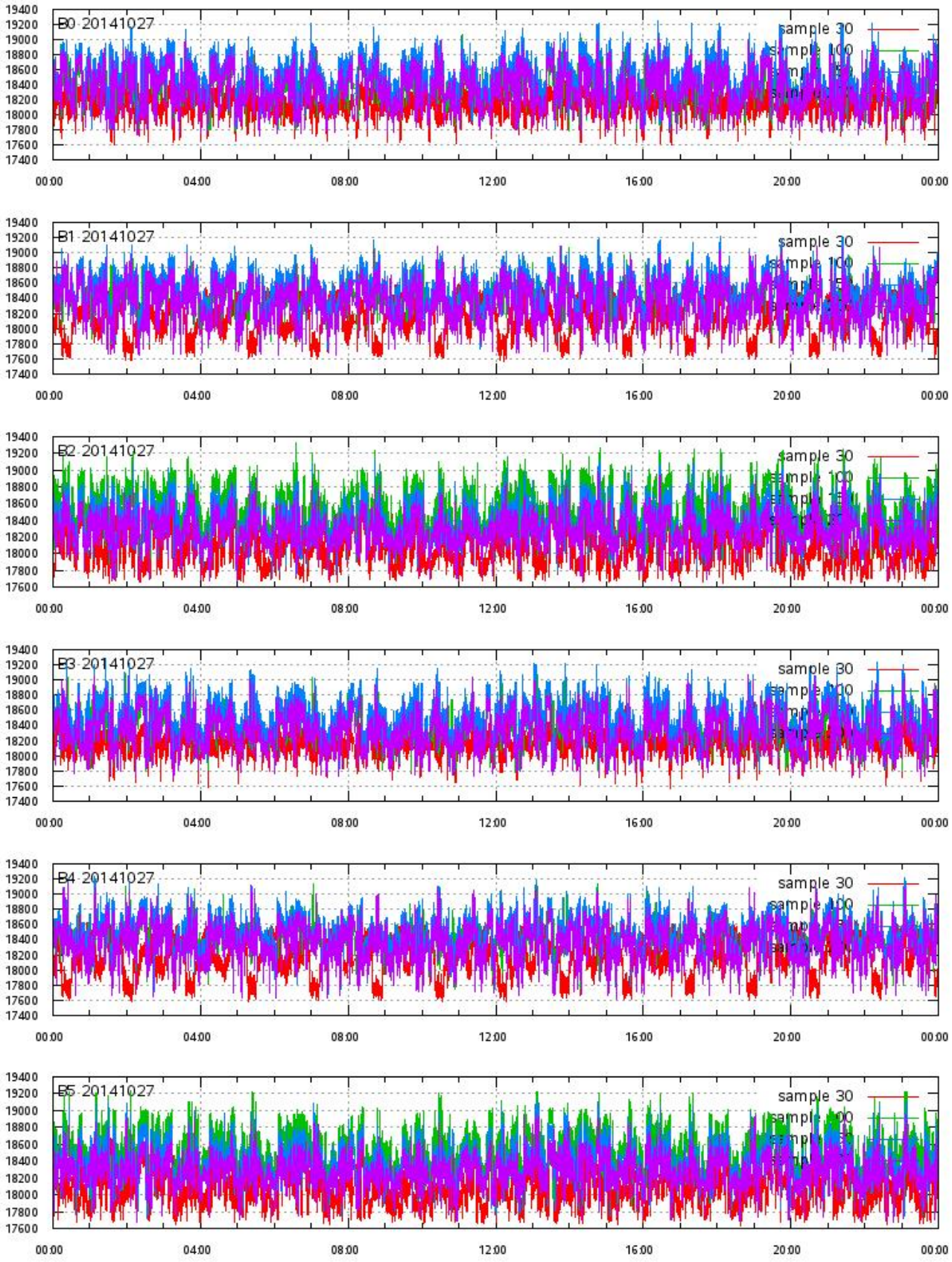






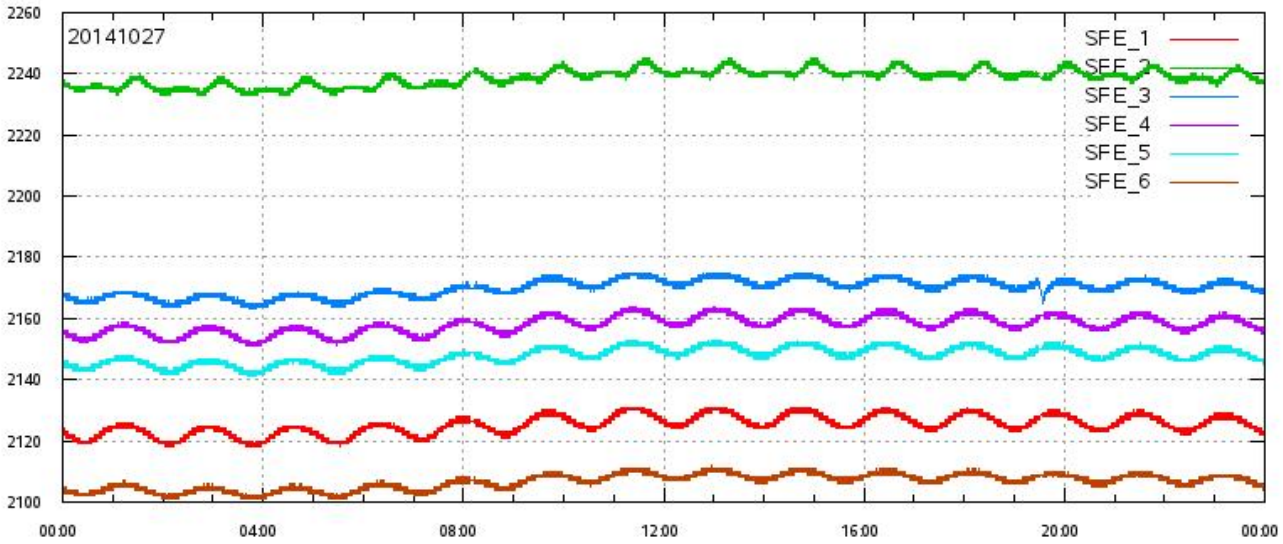
L1A Product

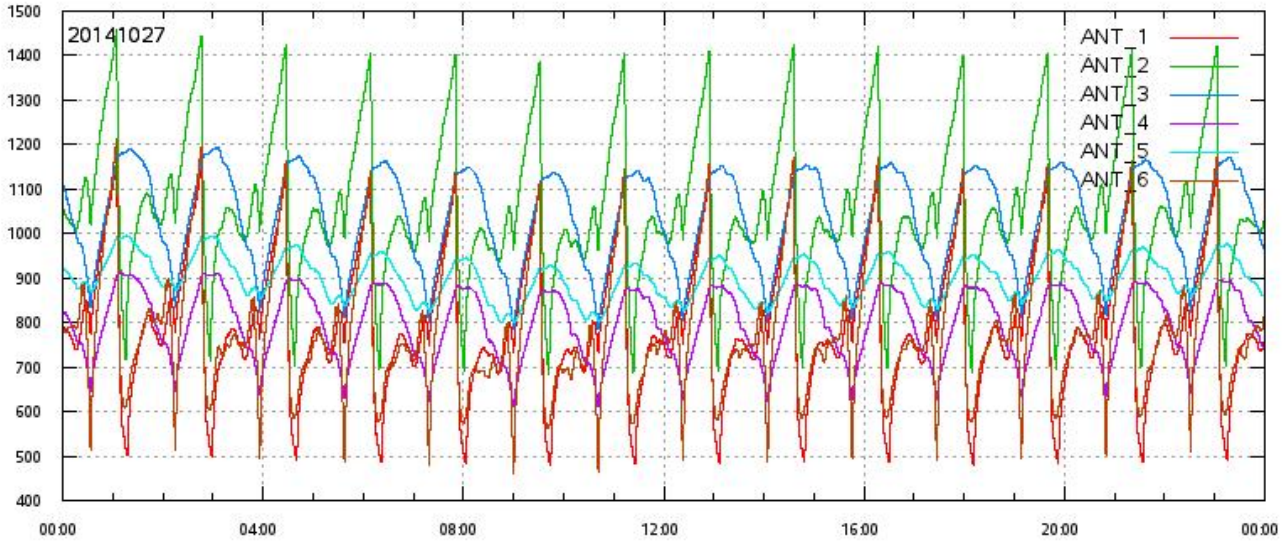
ECHO DATA (raw) for samples 30, 100, 150 and 200 vs. UTC_LOCALISATION

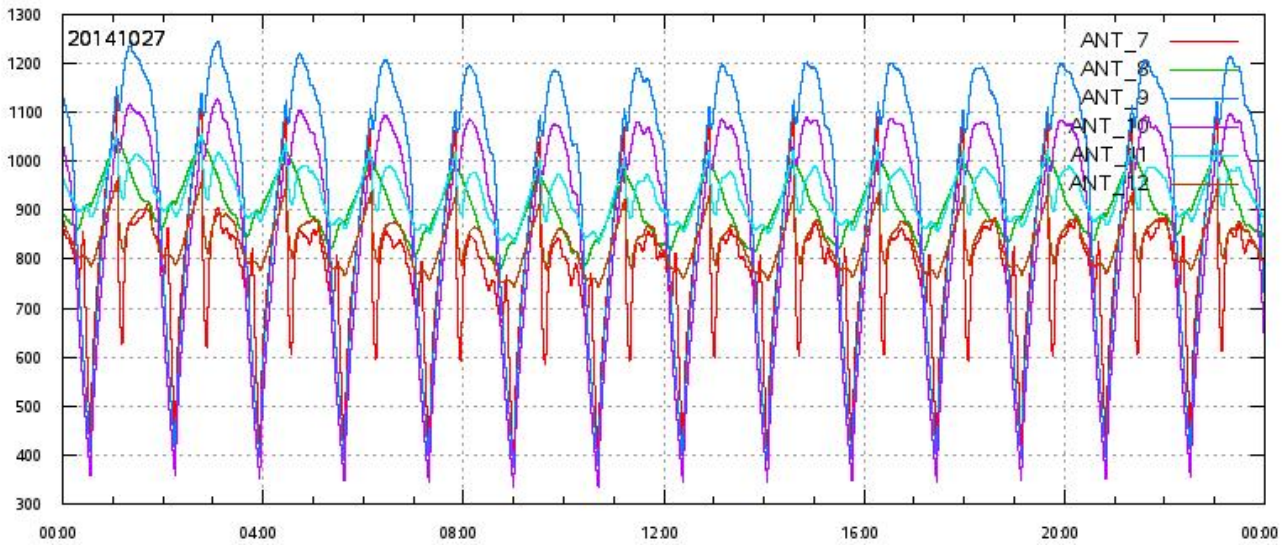


L1A Product

SFE & ANT Temperatures (raw) vs. UTC_LOCALISATION

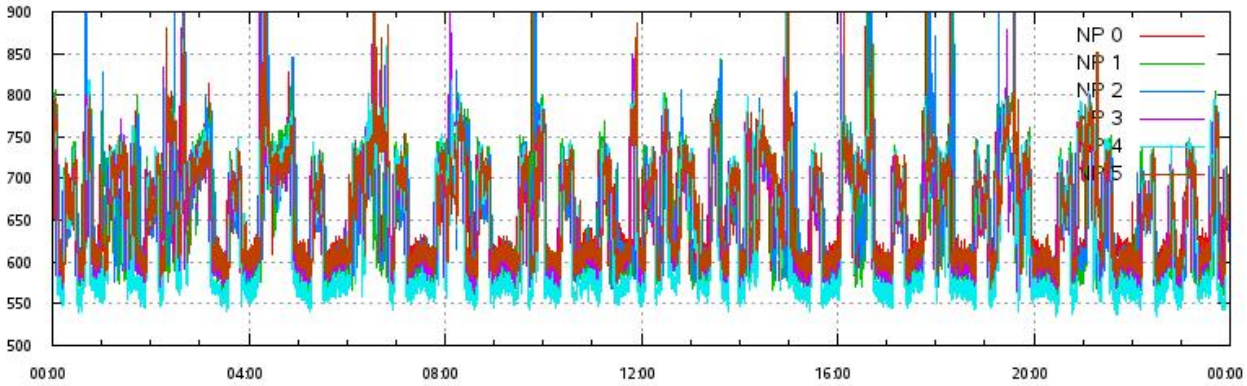


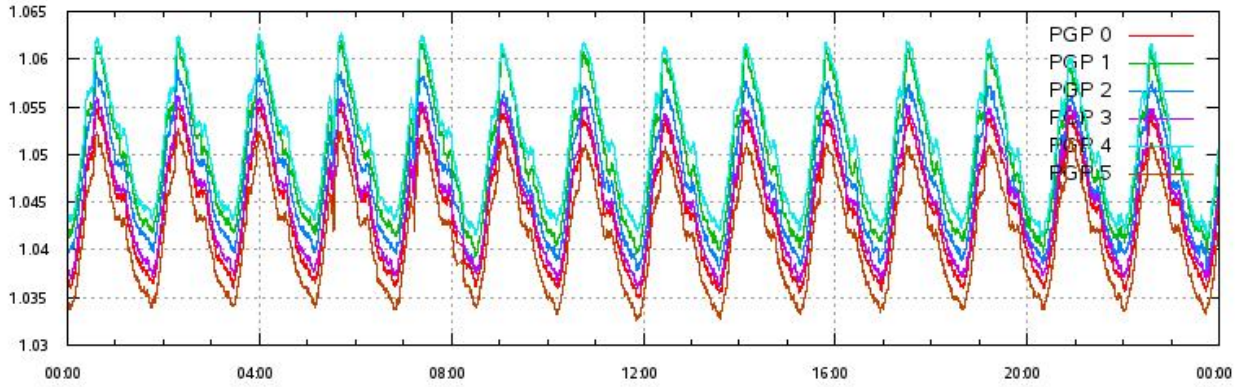


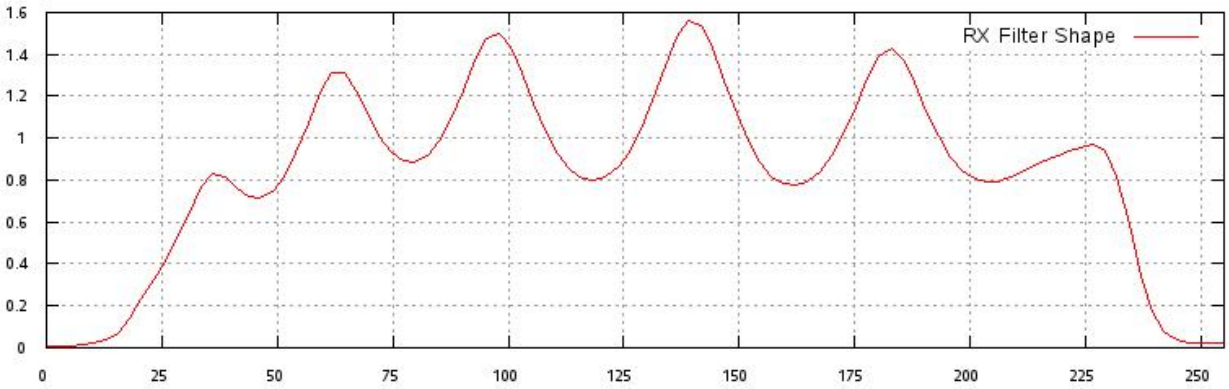


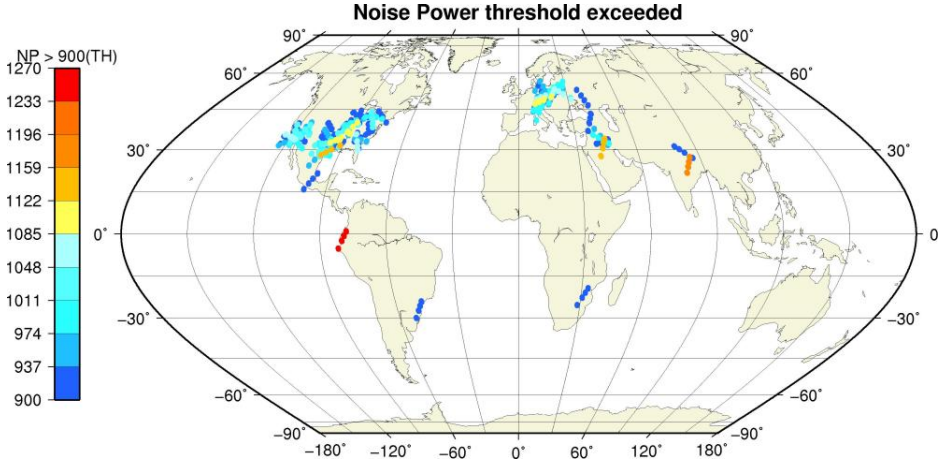
L1A Product

Noise Power & Power Gain Product per beam 0-5 vs. UTC_LOCALISATION
RX Filter Shape average over sample number
Noise Power threshold exceeded (TH=900) on map



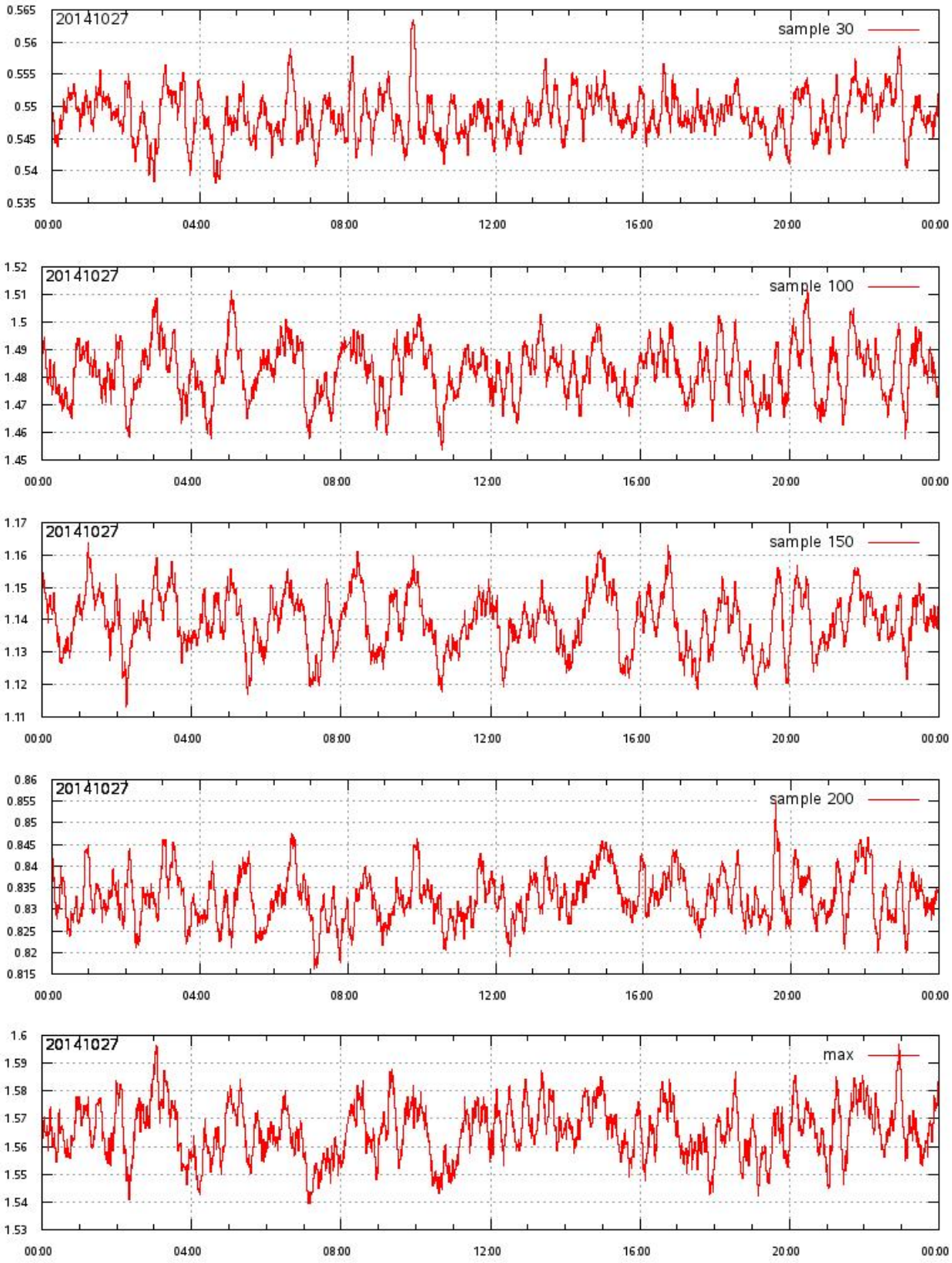






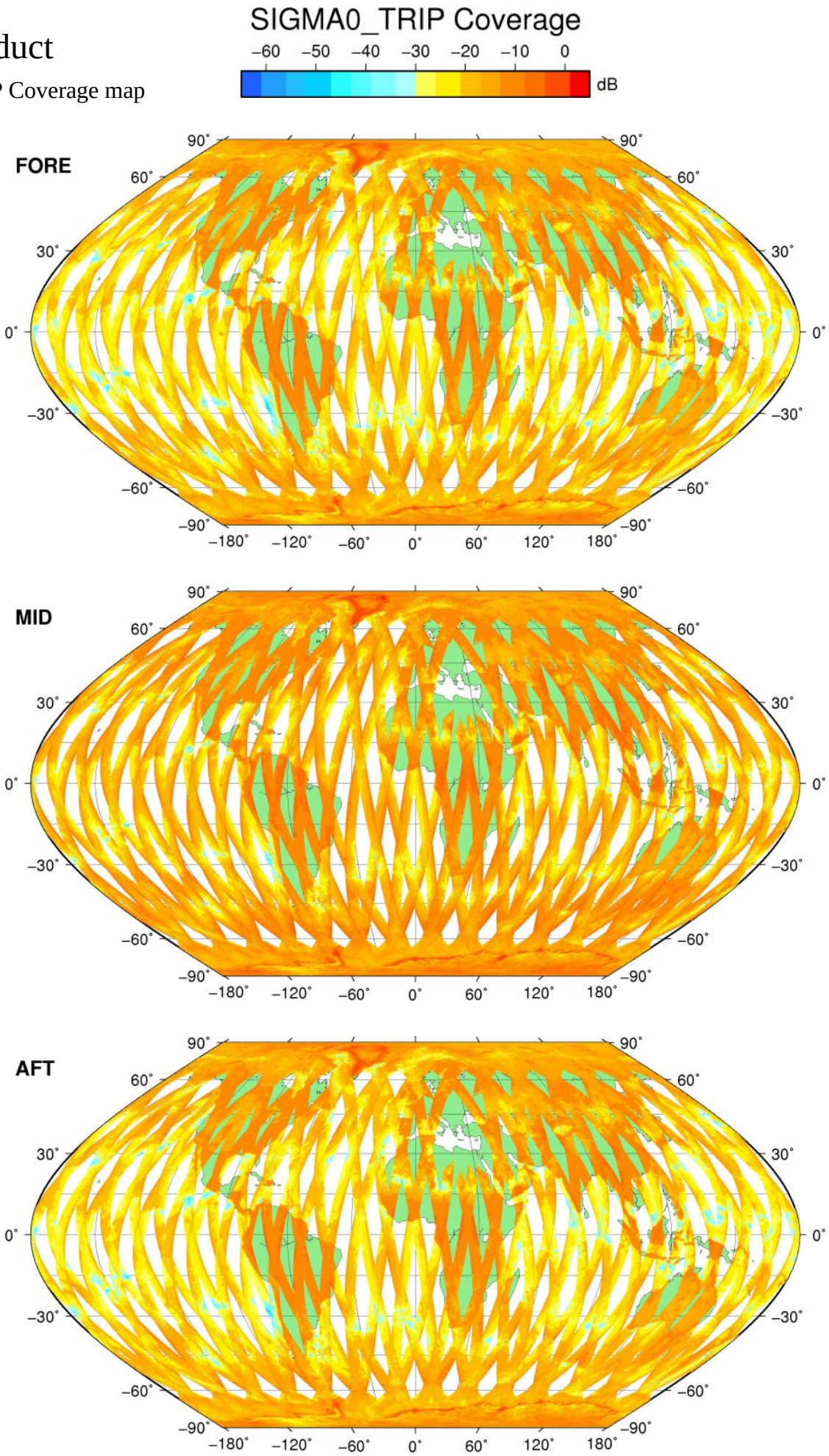
L1A Product

RX filter shape in detail for sample 30,100,150, 200 & max vs. UTC_LOCALISATION



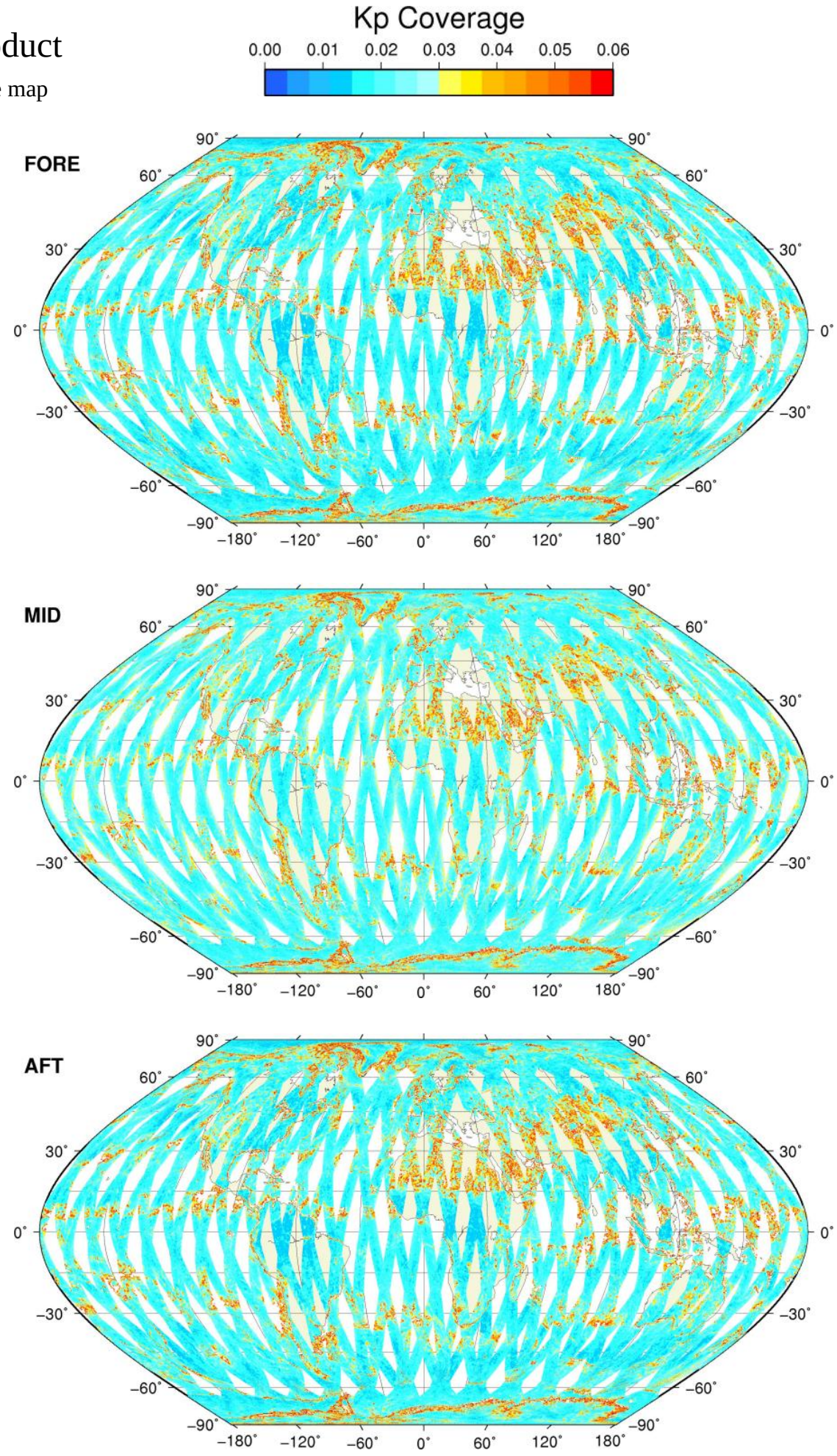
SZO Product

Sigma0_TRIP Coverage map



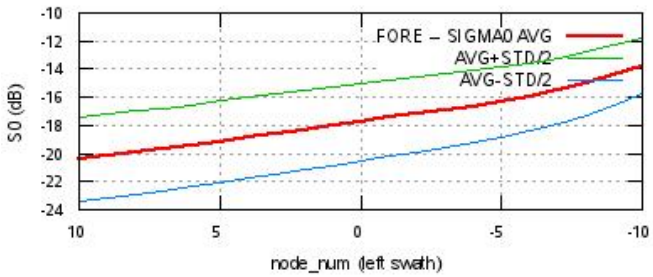
SZO Product

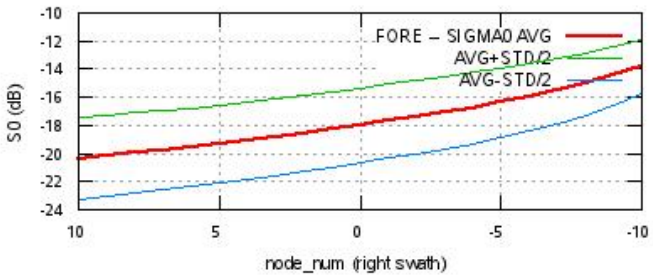
Kp Coverage map

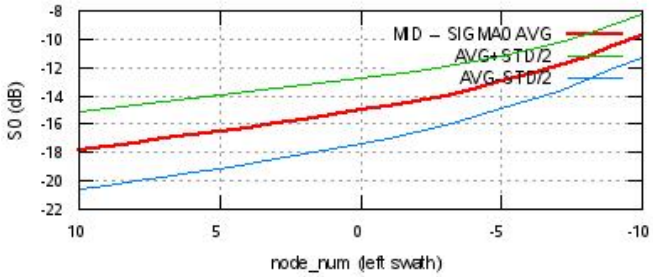


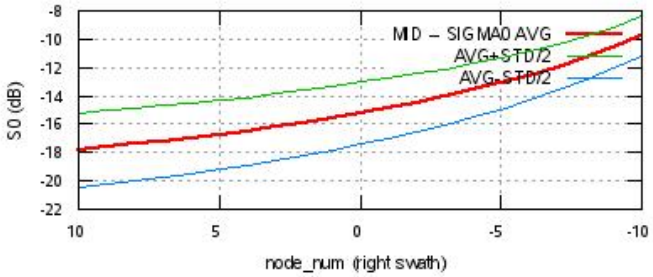
SZO Product

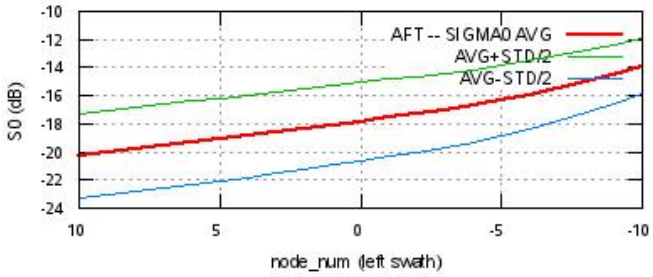
S0 - Kp Statistics

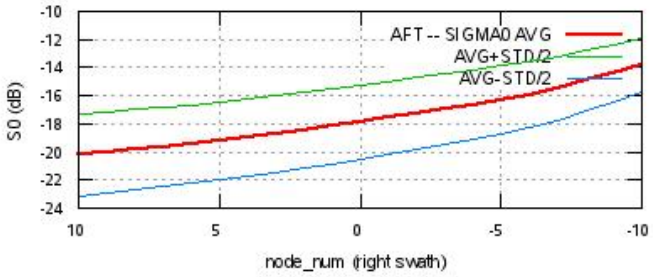


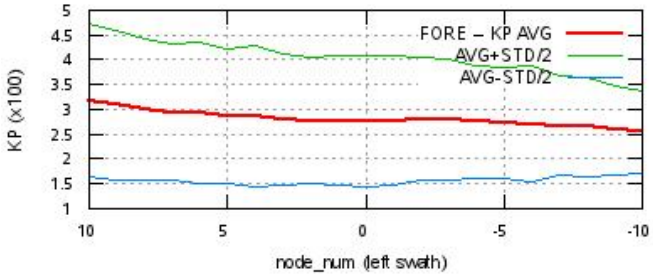


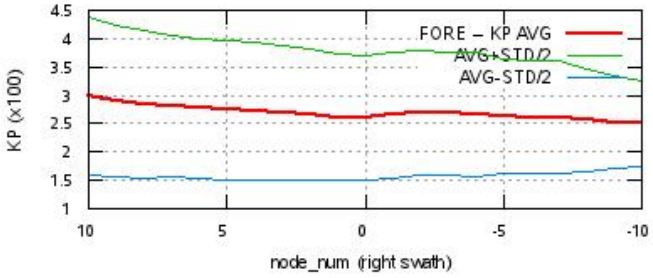


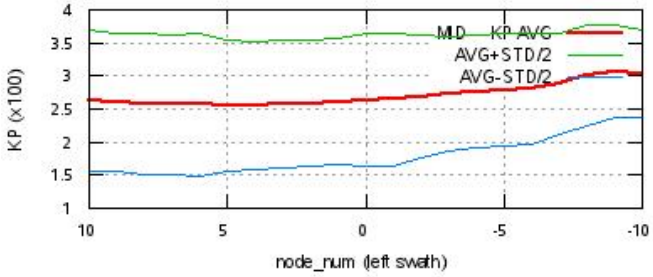


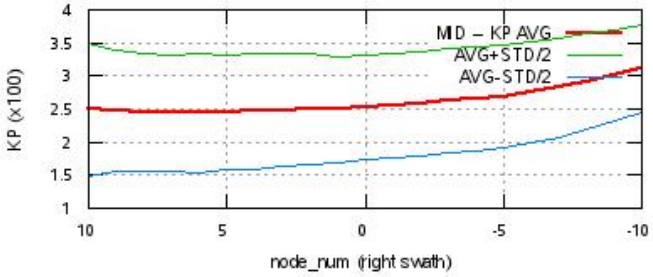


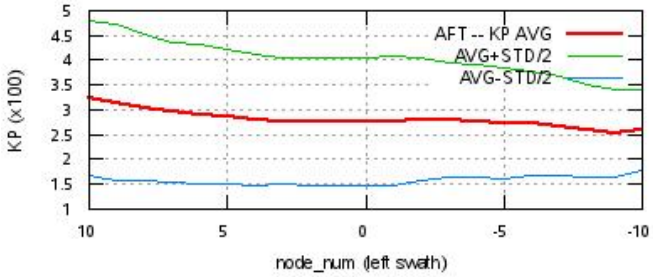


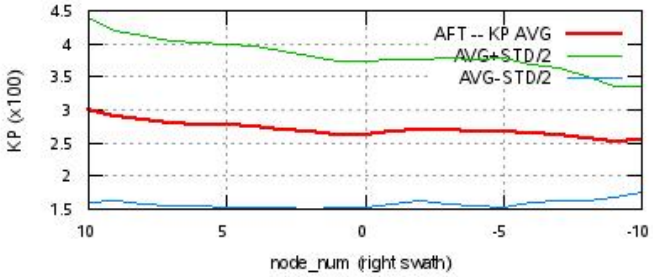






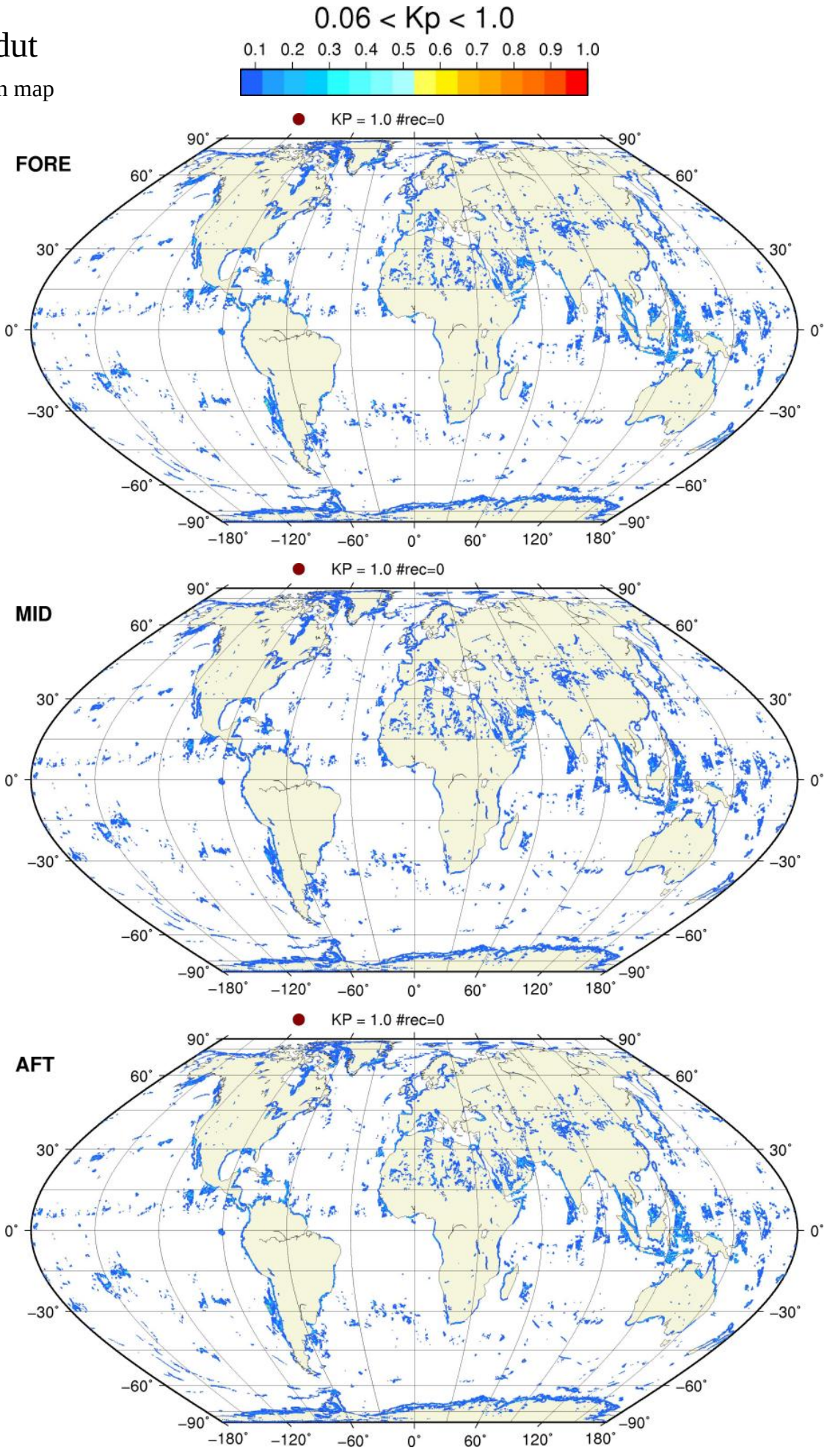






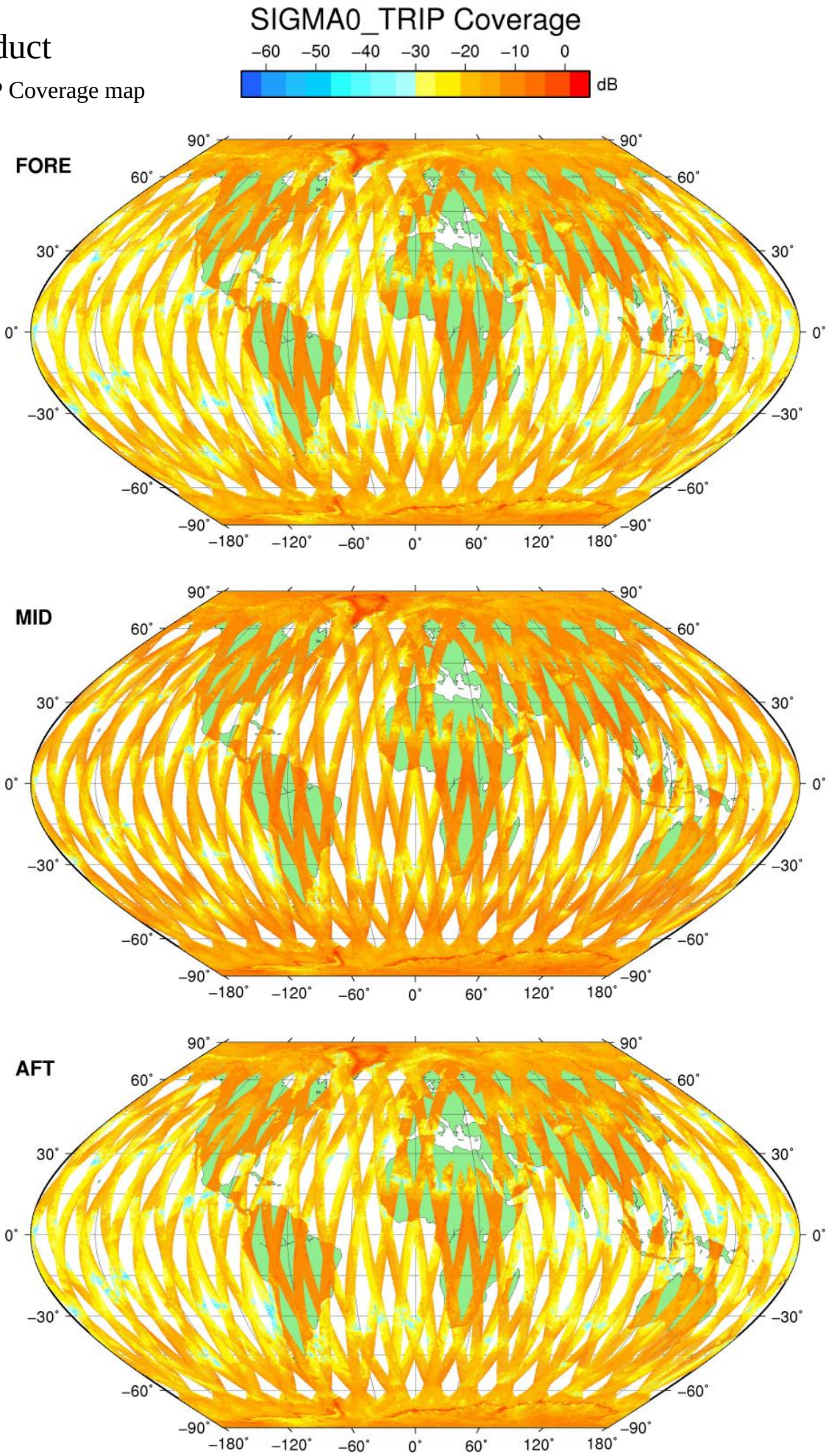
SZO Produt

Kp Outliers on map



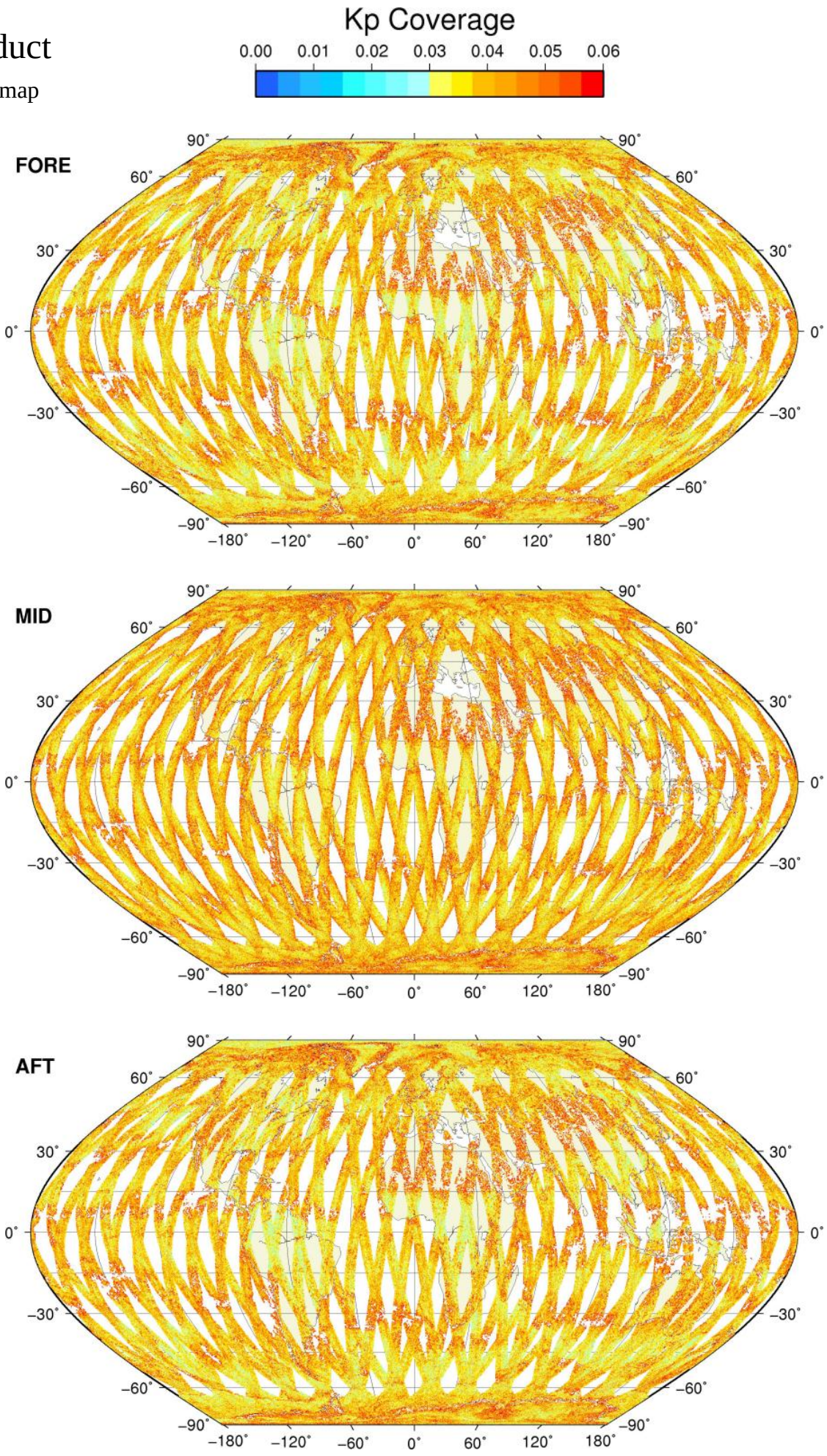
SZR Product

Sigma0_TRIP Coverage map



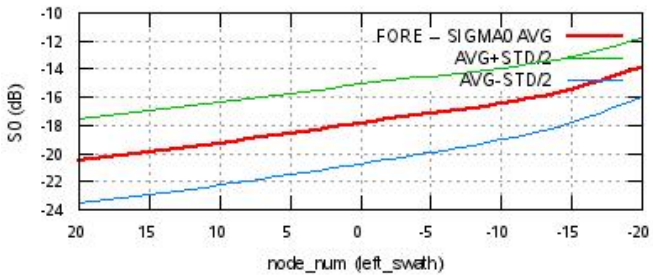
SZR Product

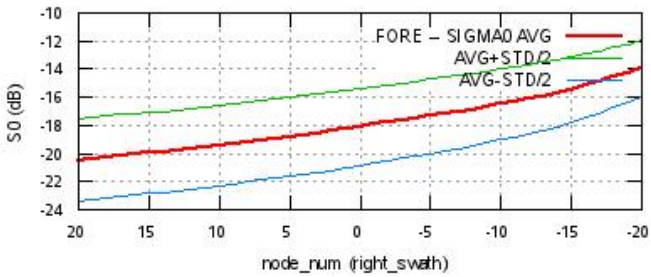
Kp Coverage map

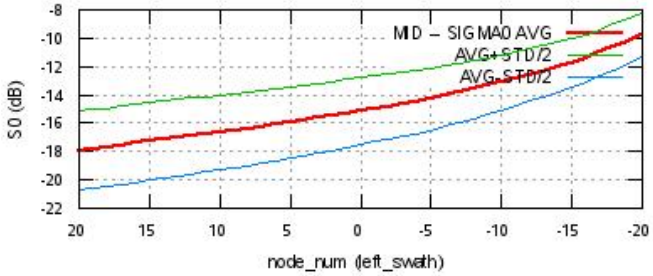


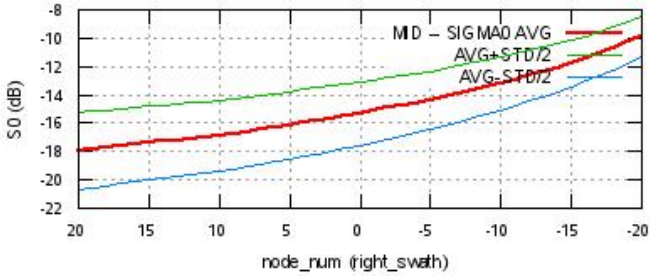
SZR Product

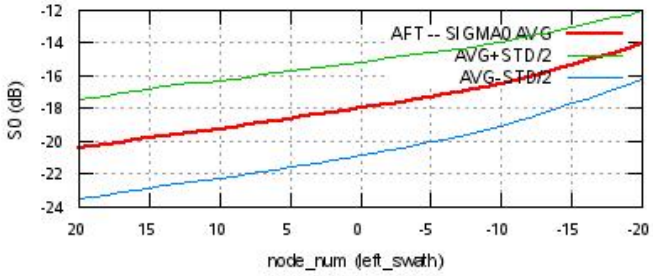
S0 - Kp Statistics

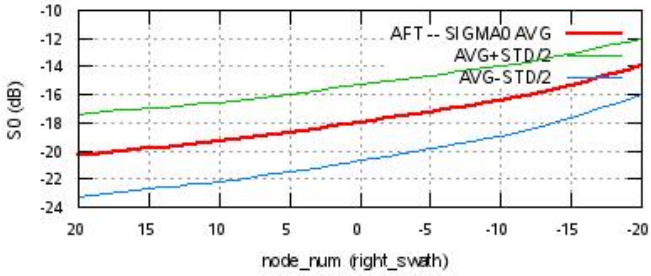


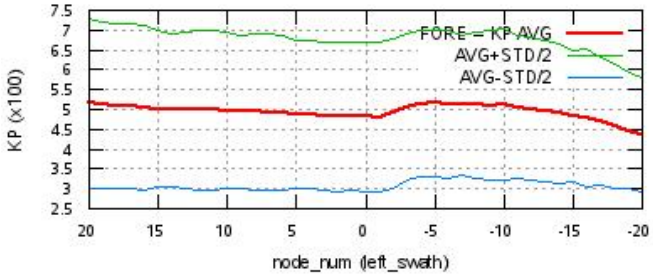


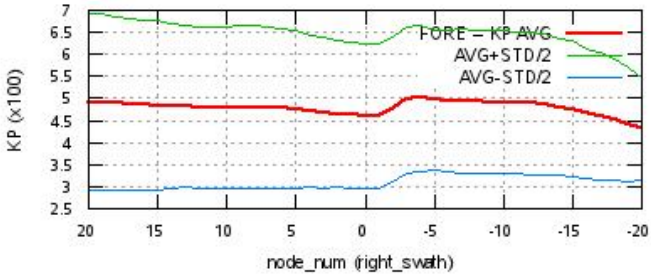


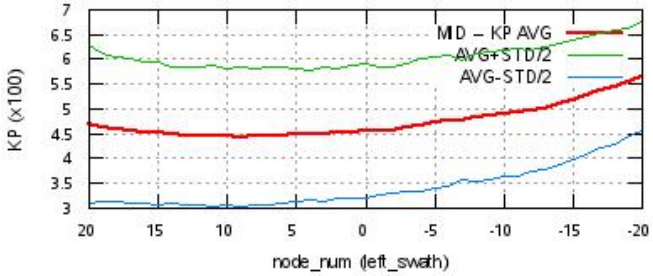


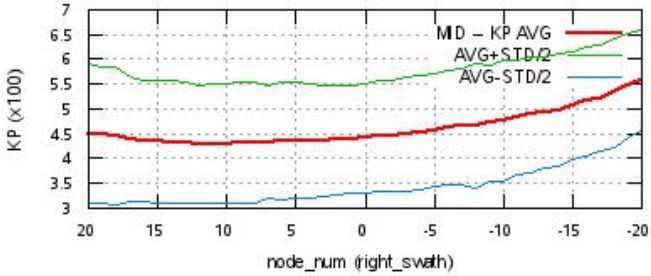


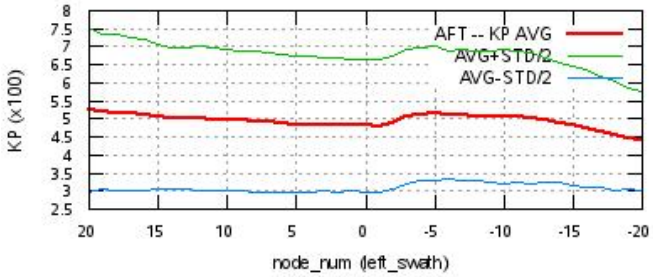


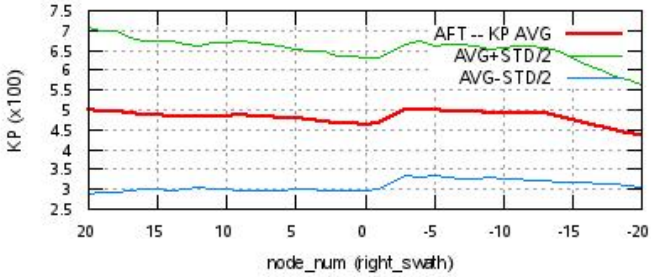






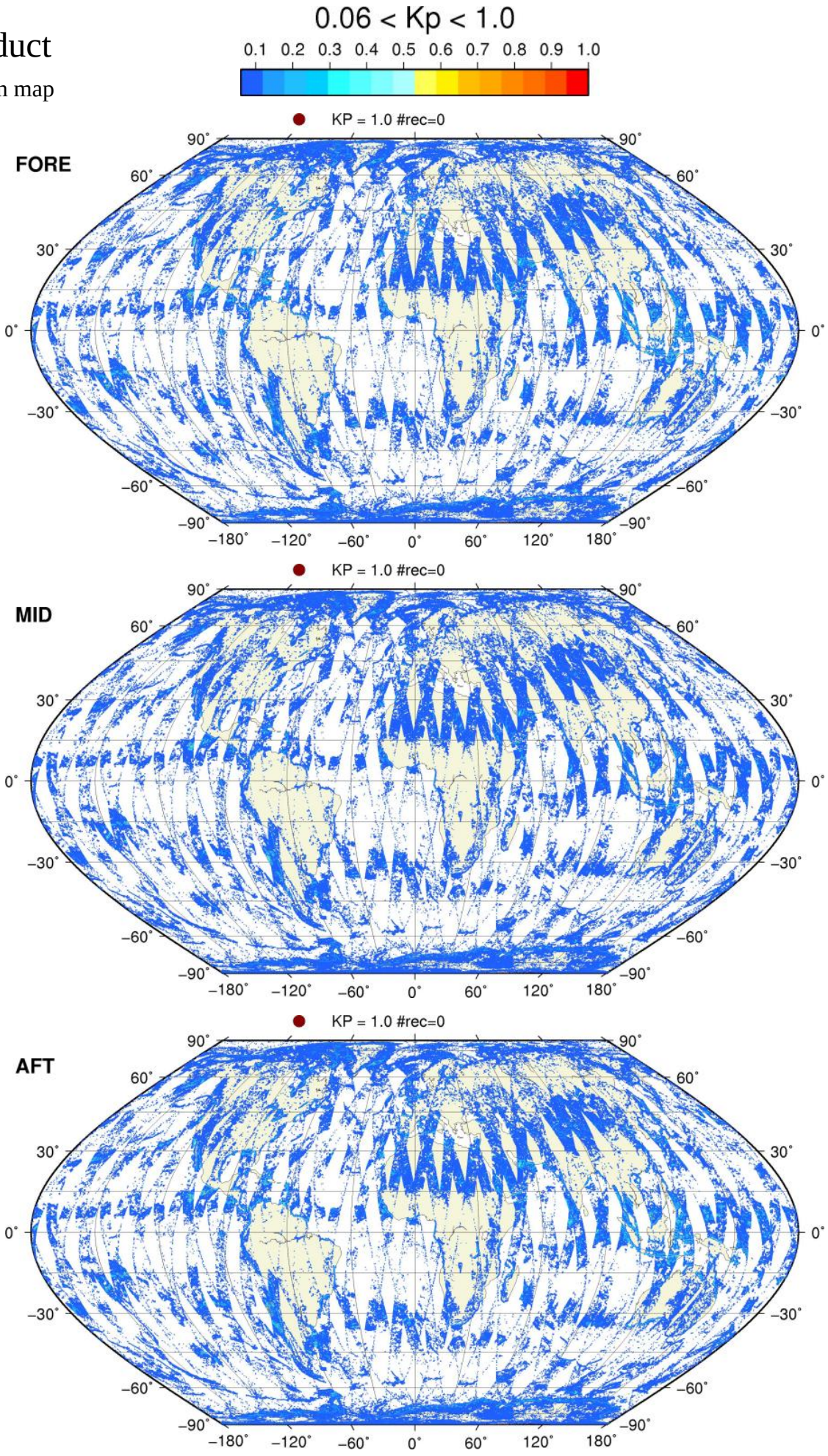






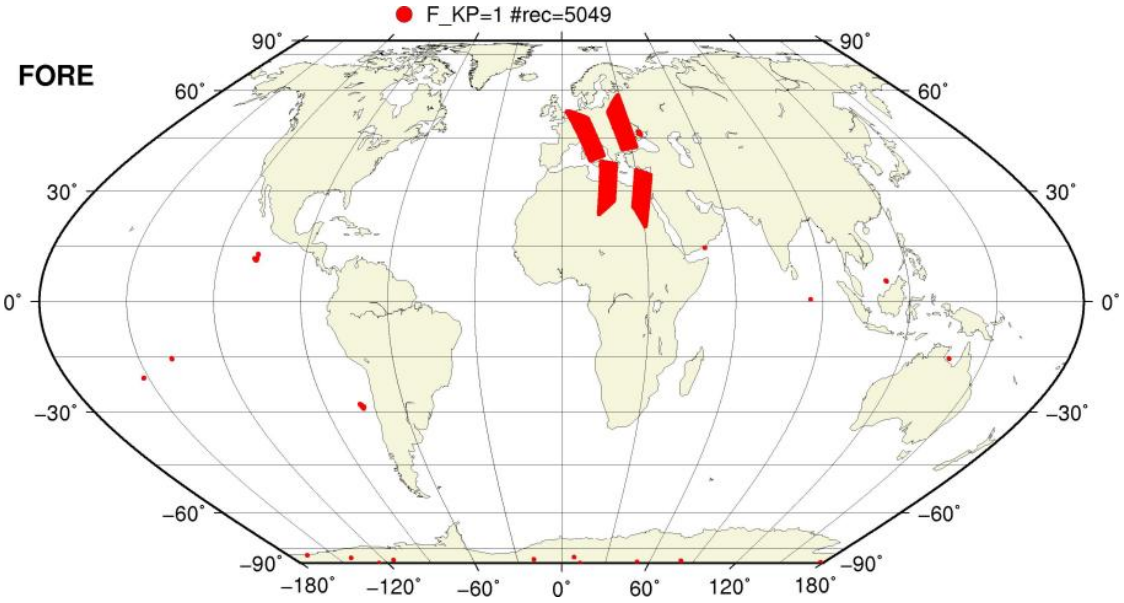
SZR Product

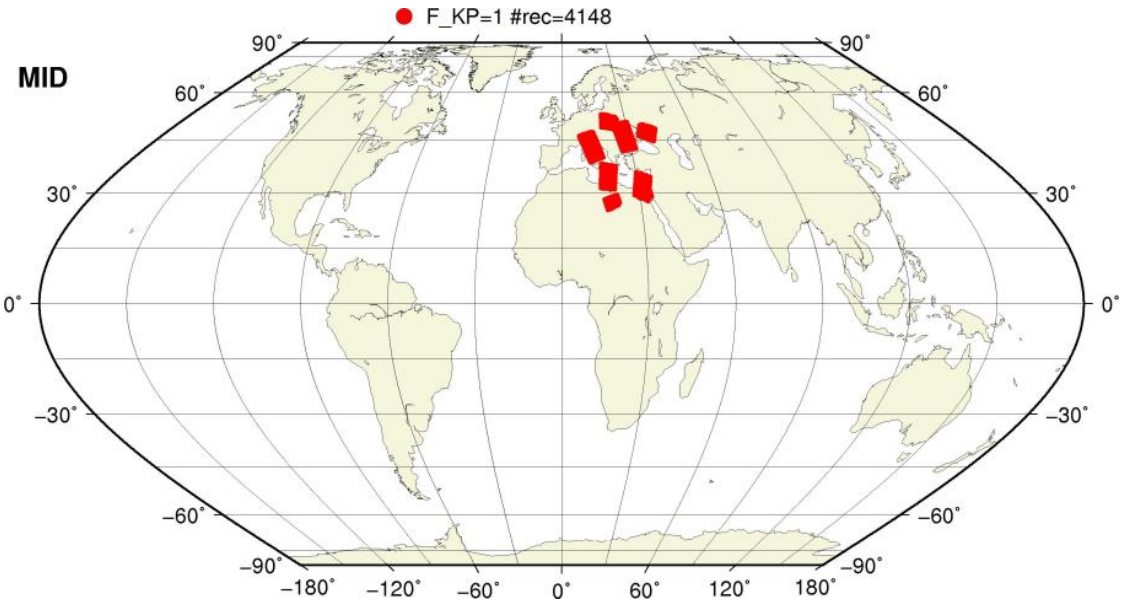
Kp Outliers on map

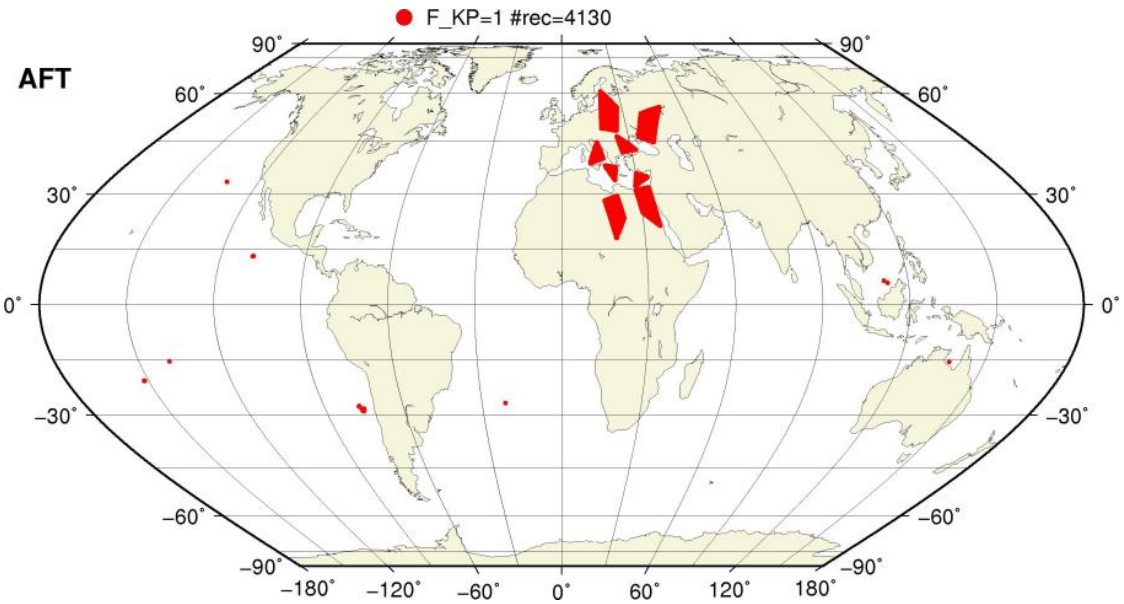


SZO Flagged Data Coverage

F_KP = 1 on map

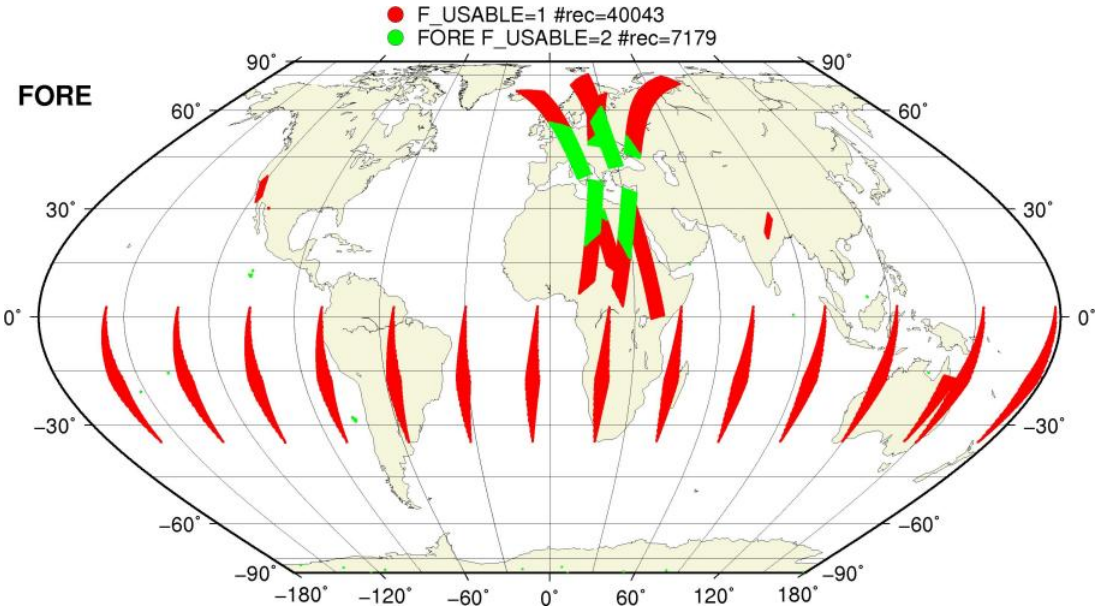


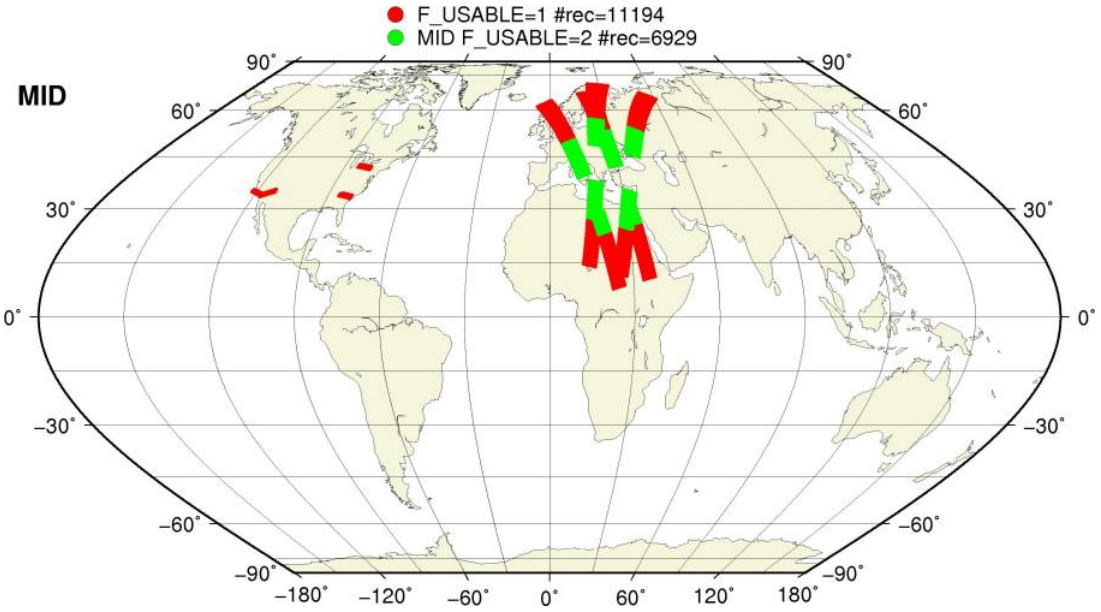


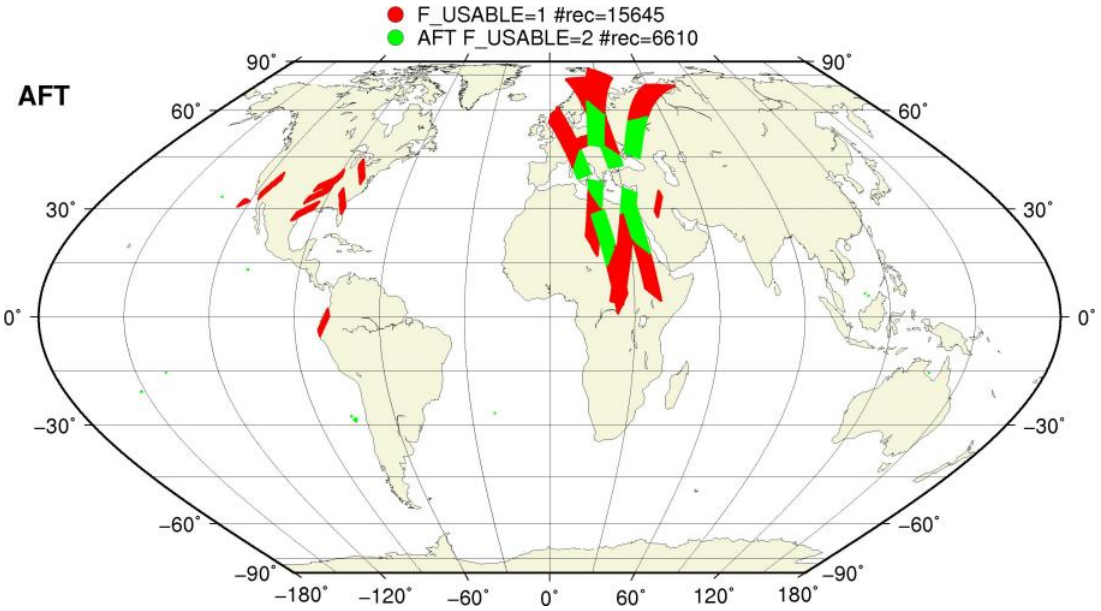


SZO Flagged Data Coverage

F_USABLE = 1 or 2 on map

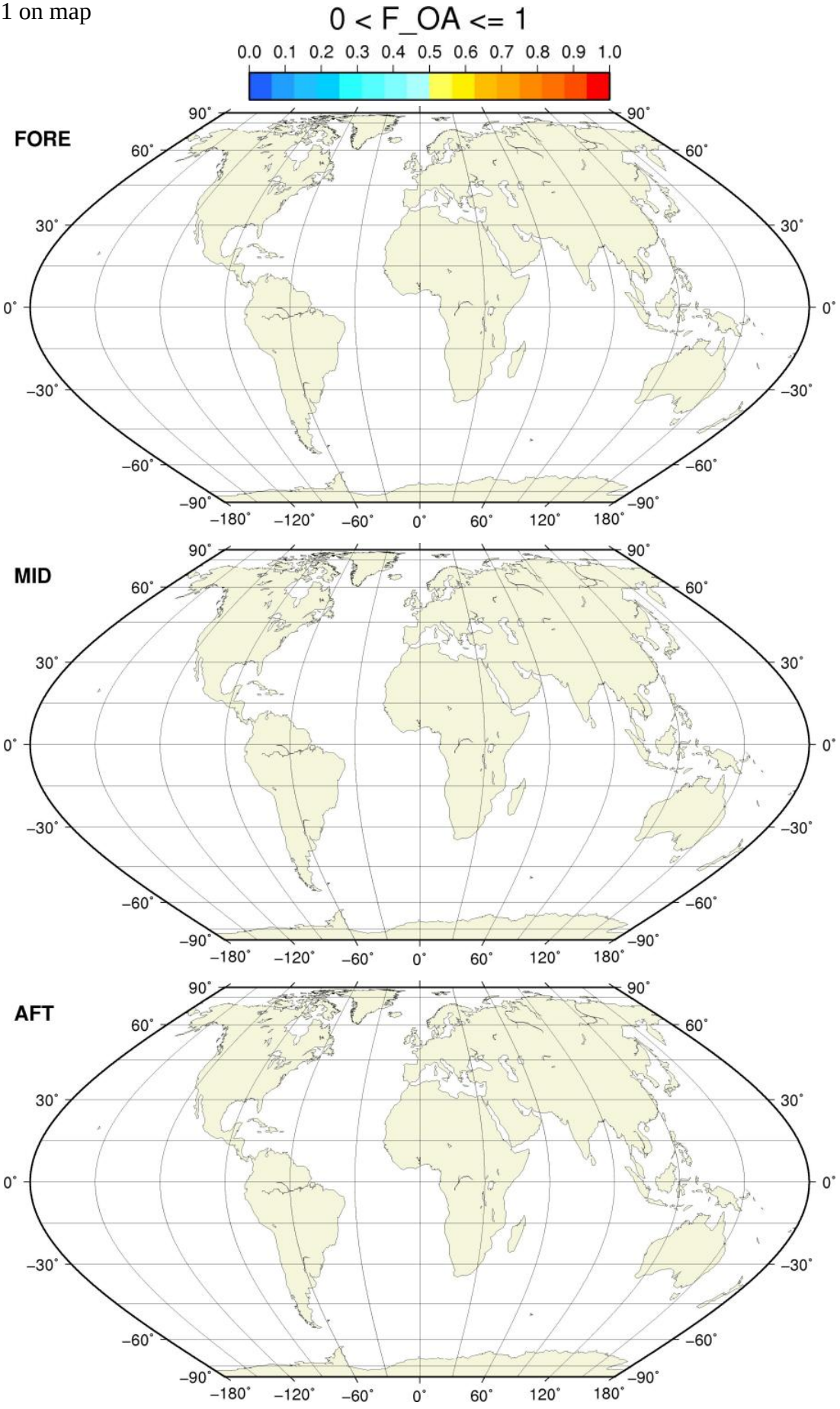






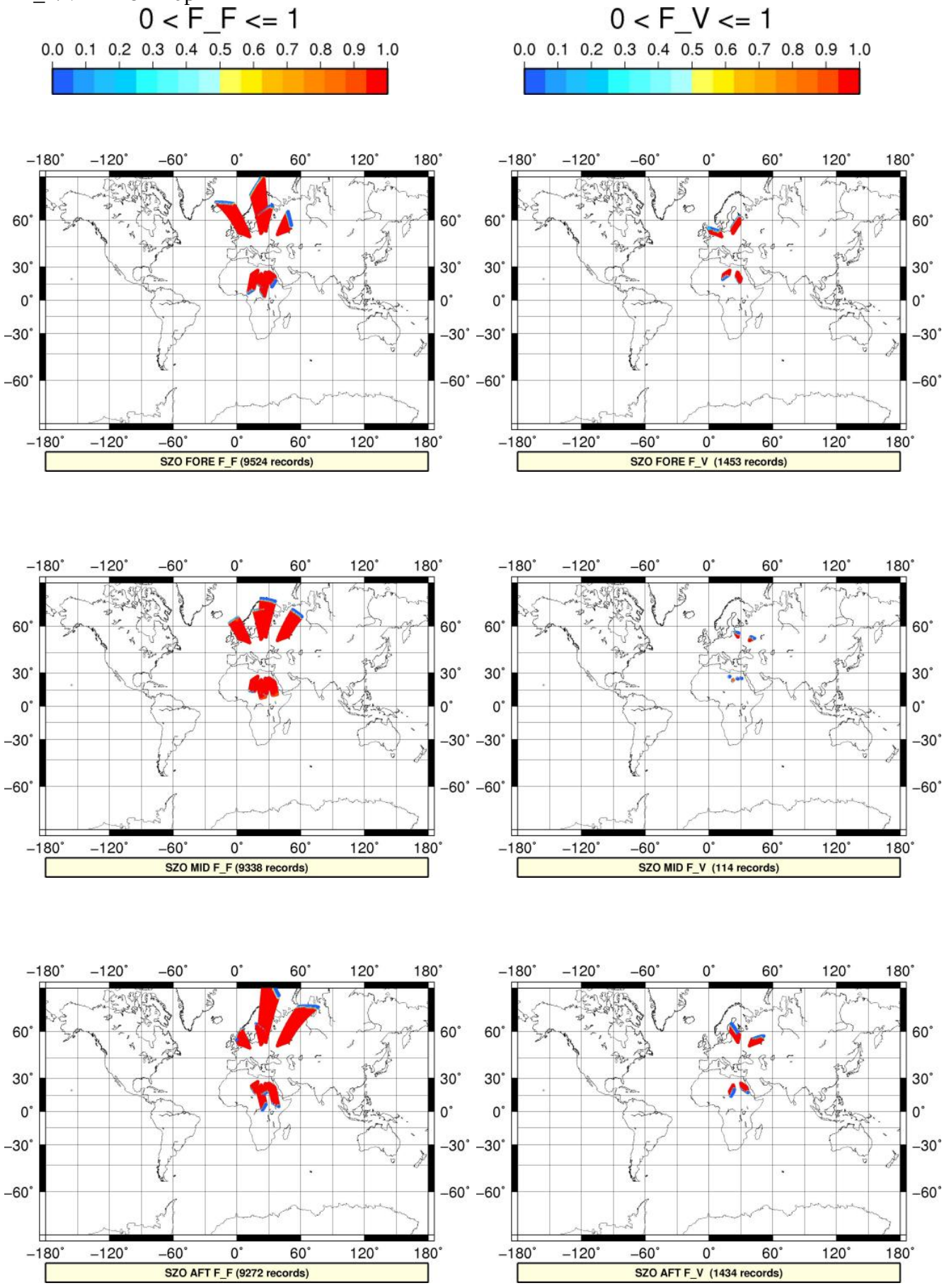
SZO Flagged Data Coverage

0 < F_OA <= 1 on map



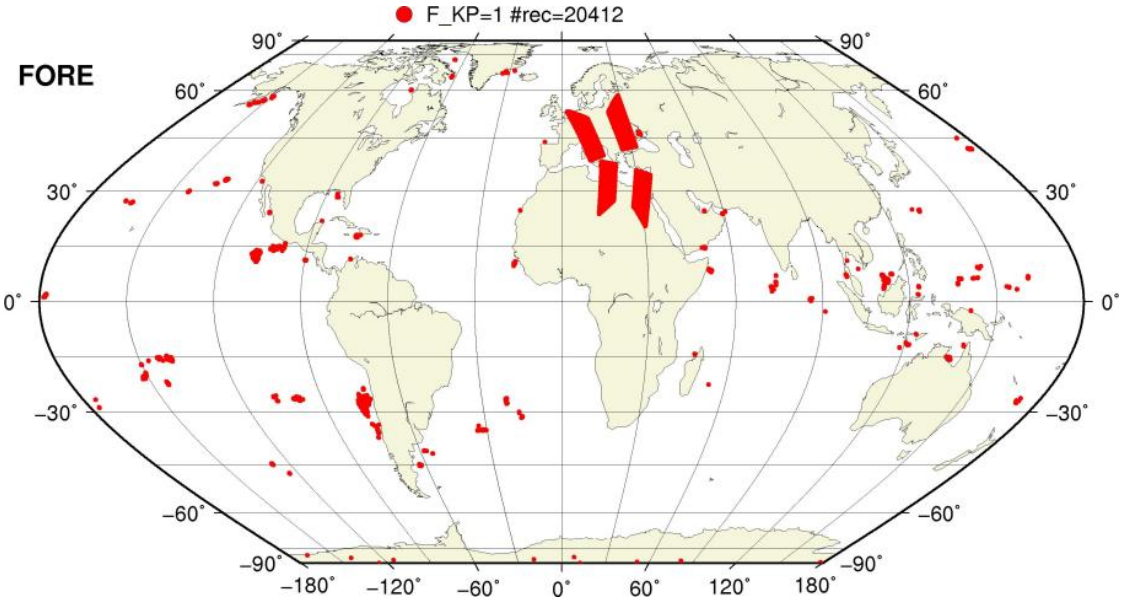
SZO Flagged Data Coverage

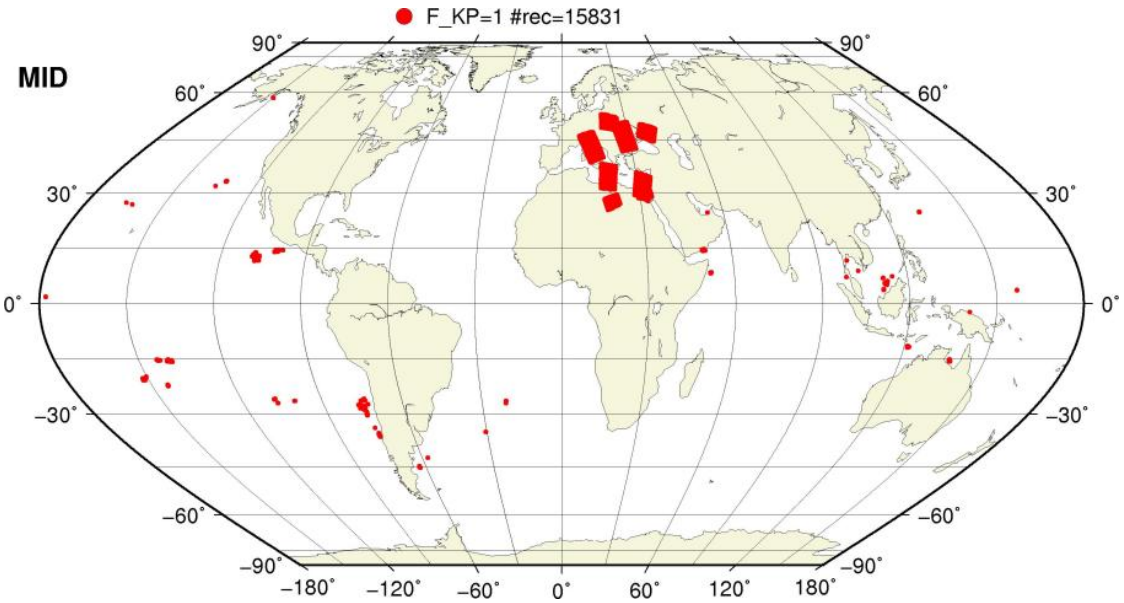
0 < F_F/V <=1 on map

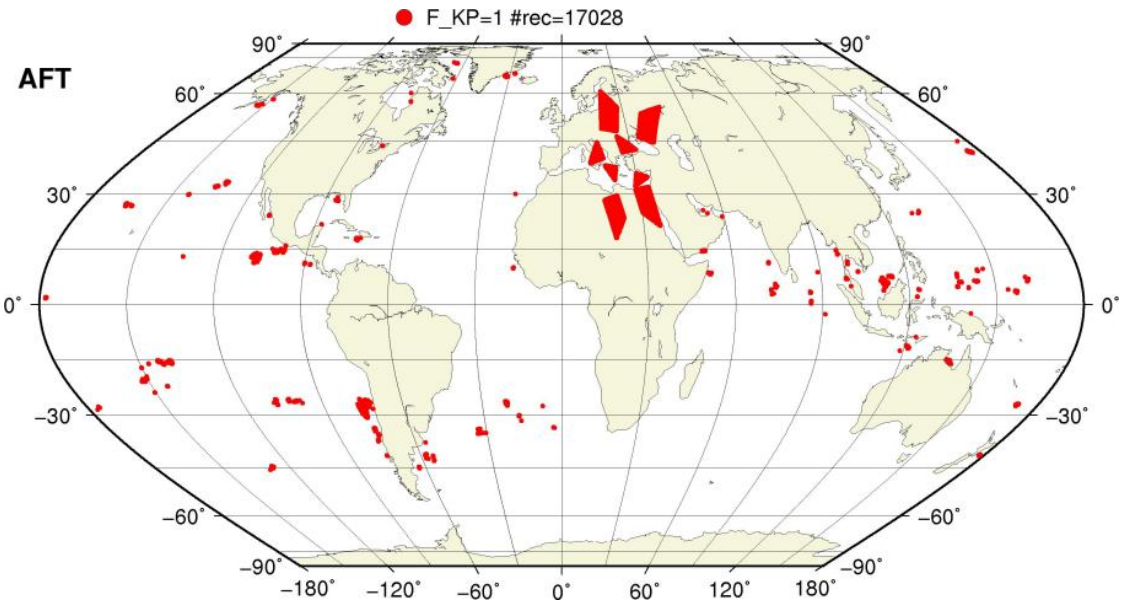


SZR Flagged Data Coverage

F_KP = 1 on map

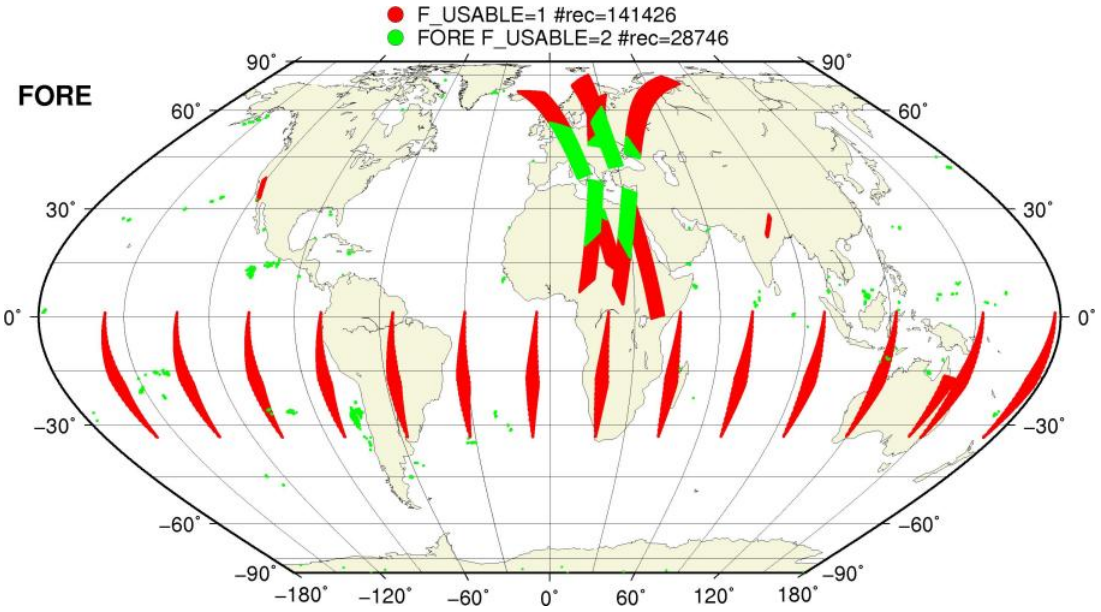


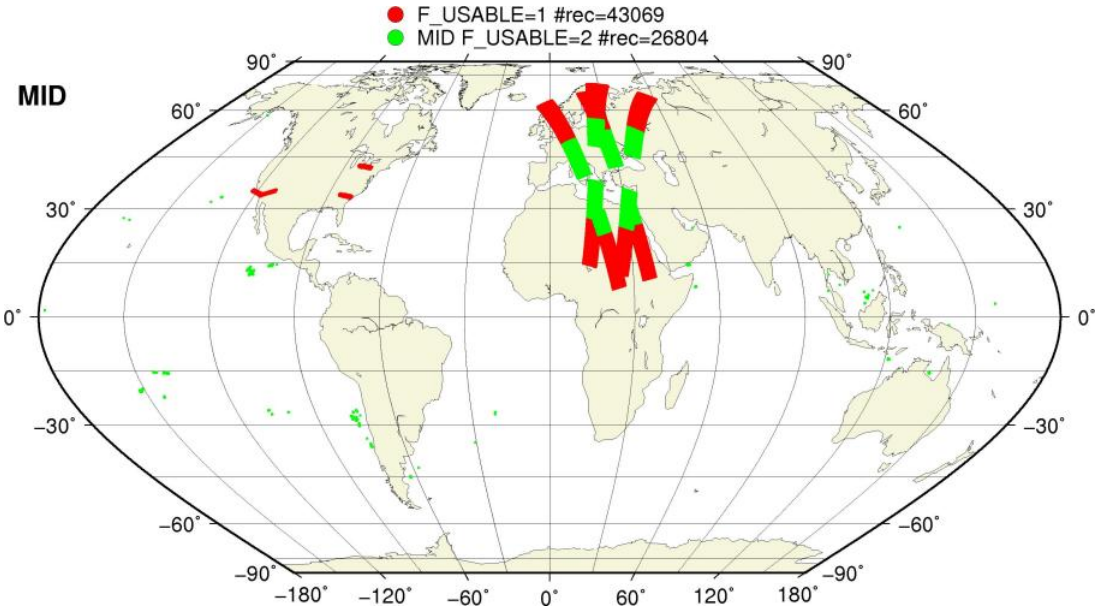


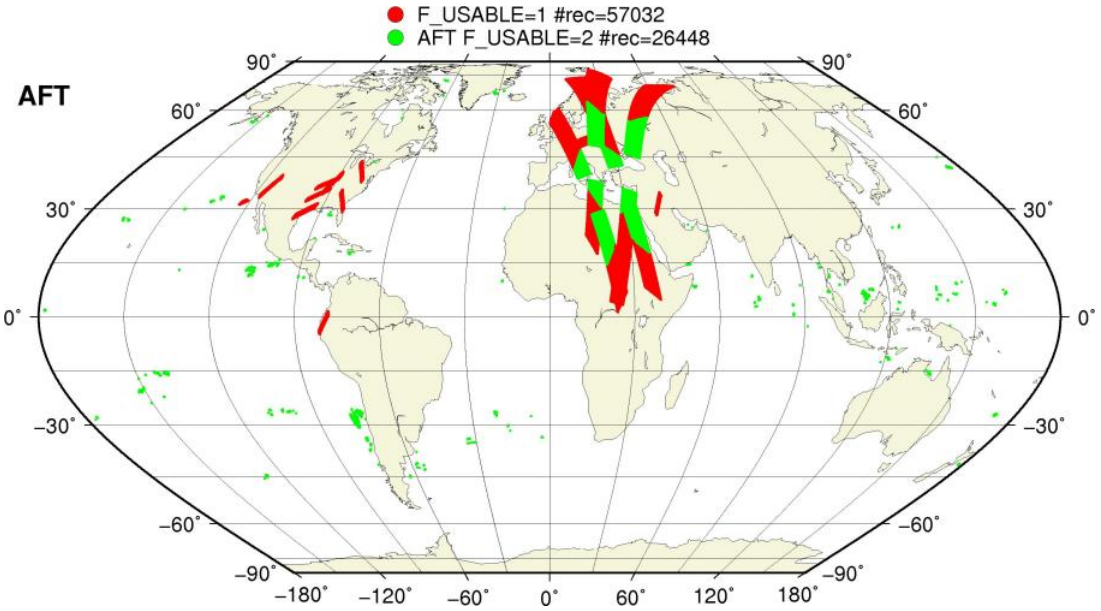


SZR Flagged Data Coverage

F_USABLE = 1 or 2 on map

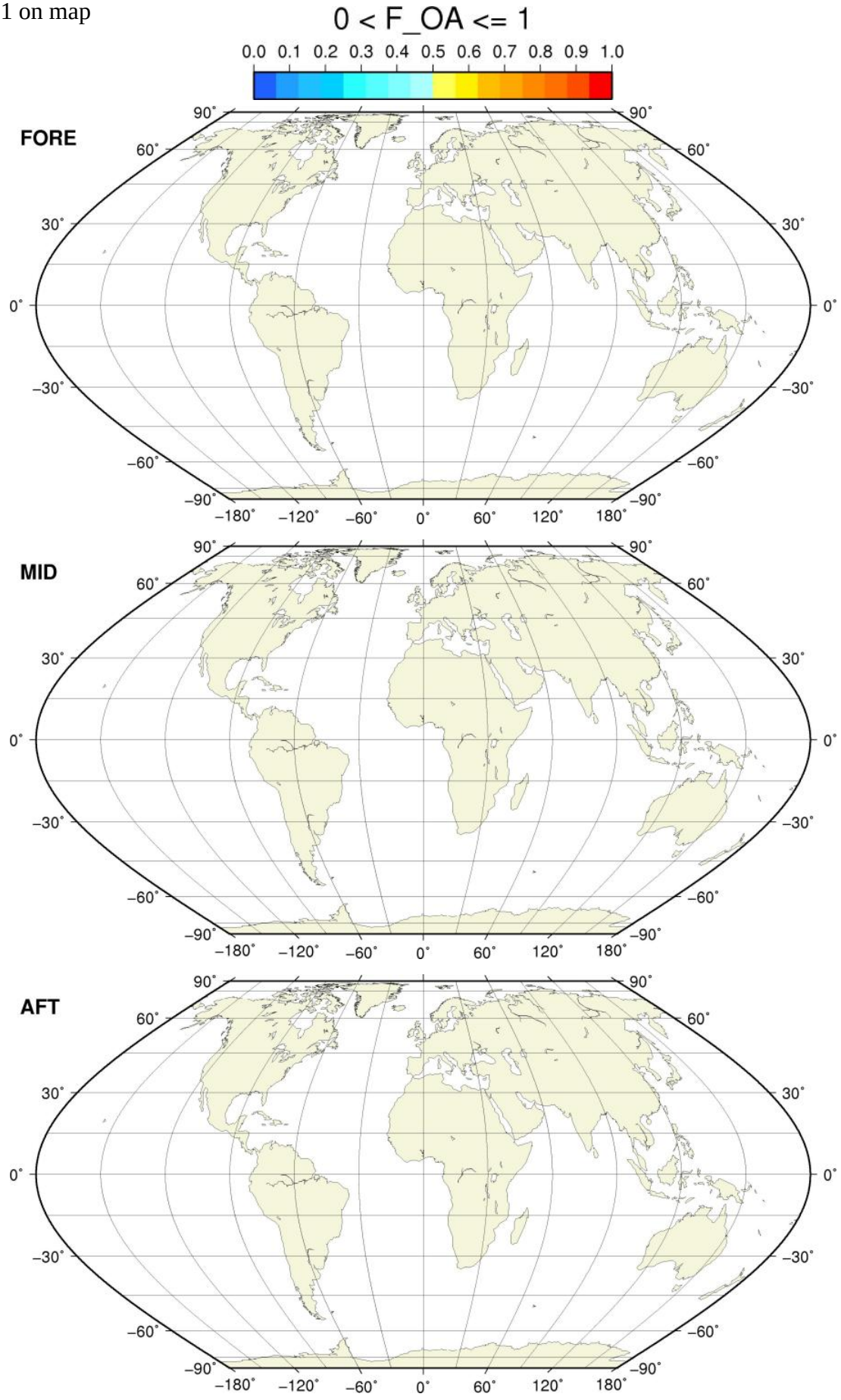


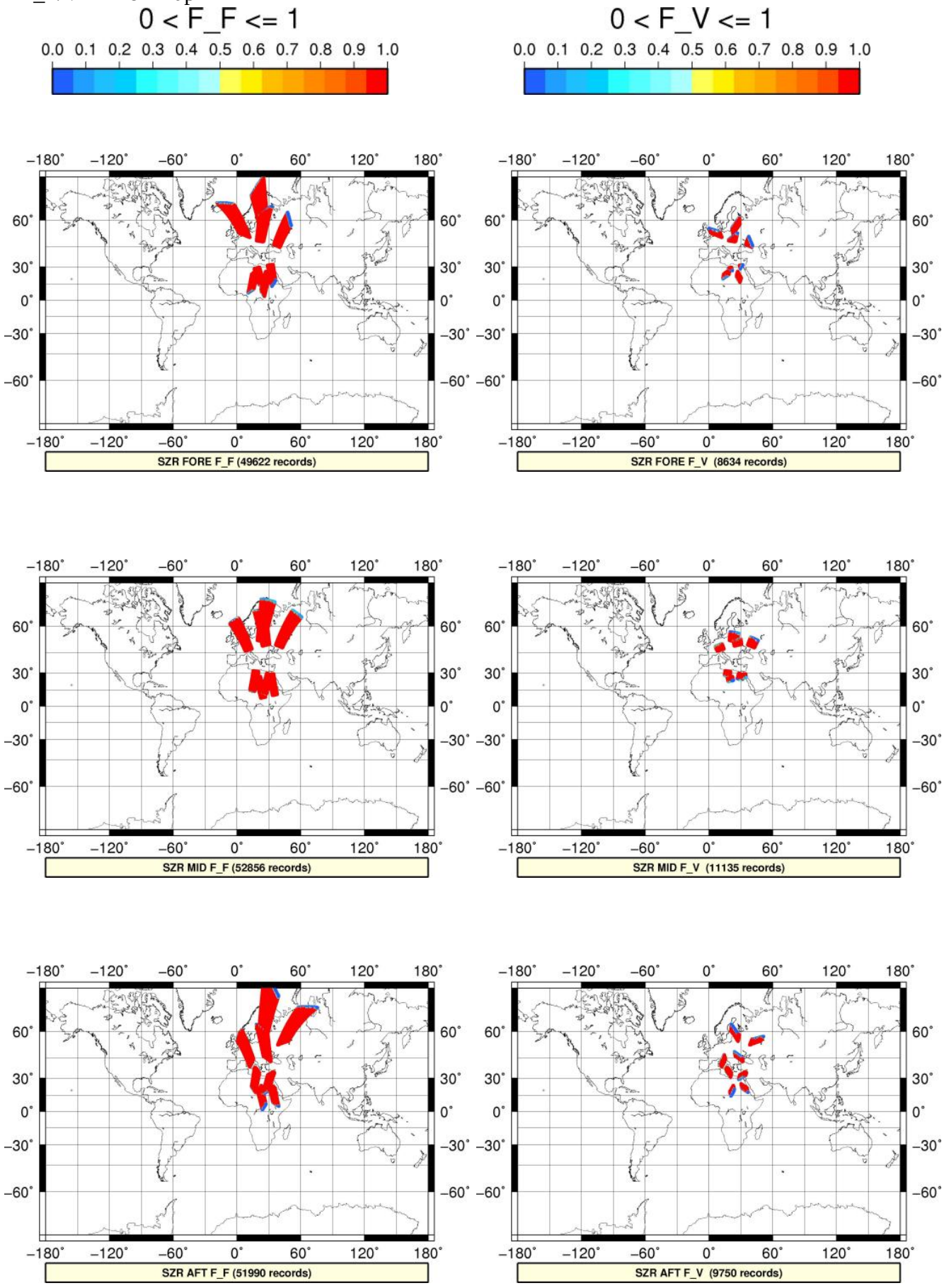




SZR Flagged Data Coverage

0 < F_OA <=1 on map



SZR Flagged Data Coverage

0 < F_F/V <=1 on map