

ASCAT DAILY Report

Metop-C

OPE

DAY 2022_276

20221003000000 - 20221003235959

DATA STATISTICS

BASED ON ORBITS (#15)

20258 20259 20260 20261 20262 20263 20264 20265 20266 20267 20268 20269 20270
20271 20272 20273

DB STATISTICS : OPE M03_20221003

SMO 477	2.32	.53	1.26	4.76
SMR 477	5.62	.87	3.53	8.30
SZF 470	1.40	2.14	.49	31.65
xxx 477	31.41	4.55	9.21	45.40

INGATE (STORE) STATISTICS : OPE M03_20221003

xxx_1A	/fbf/tcdras/store/gs1/ASCA_xxx_1A_M03	-- number of files (xxx_1A) : 478
SZ0_1B	/fbf/tcdras/store/gs1/ASCA_SZ0_1B_M03	-- number of files (SZ0_1B) : 478
SZR_1B	/fbf/tcdras/store/gs1/ASCA_SZR_1B_M03	-- number of files (SZR_1B) : 478
SZF_1B	/fbf/tcdras/store/gs1/ASCA_SZF_1B_M03	-- number of files (SZF_1B) : 478
SMO_02	/fbf/tcdras/store/gs1/ASCA_SMO_02_M03	-- number of files (SMO_02) : 478
SMR_02	/fbf/tcdras/store/gs1/ASCA_SMR_02_M03	-- number of files (SMR_02) : 478

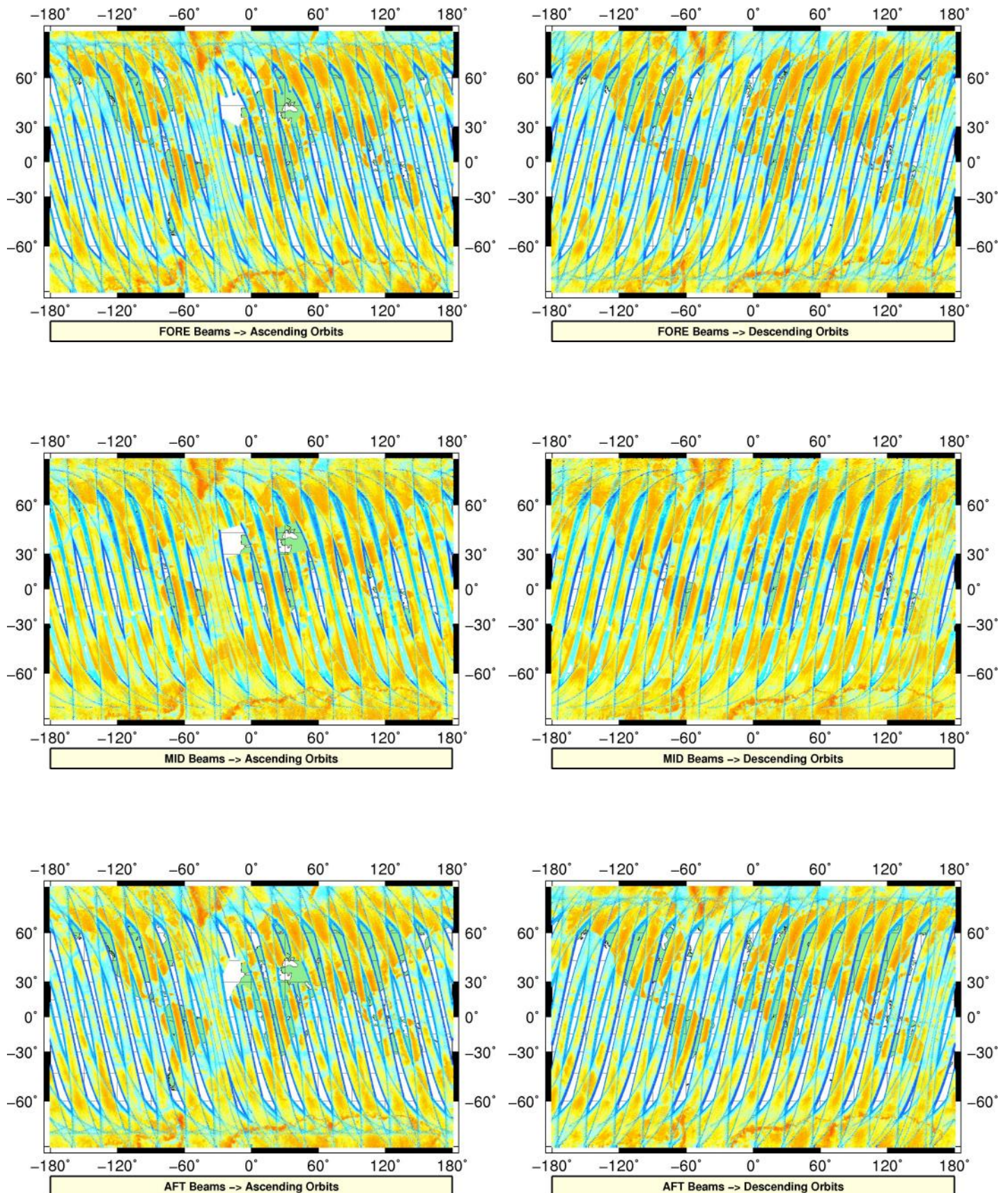
Overview

Configuration and SPHR content

Parameter	Value
SENSING START-STOP	20221003000000 - 20221003235959
ORBIT START-STOP	-
SATELLITE	M03
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	1
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	604190
N_L1A_MDR_B0	100699
N_L1A_MDR_B1	100699
N_L1A_MDR_B2	100698
N_L1A_MDR_B3	100698
N_L1A_MDR_B4	100698
N_L1A_MDR_B5	100698
N_GAPS	48
TOTAL_GAPS_SIZE	16822792
N_HKTM_PACKETS_RECEIVED	16054
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	1054720
N_F_LAND	48848310
N_F_GEO	3273665
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

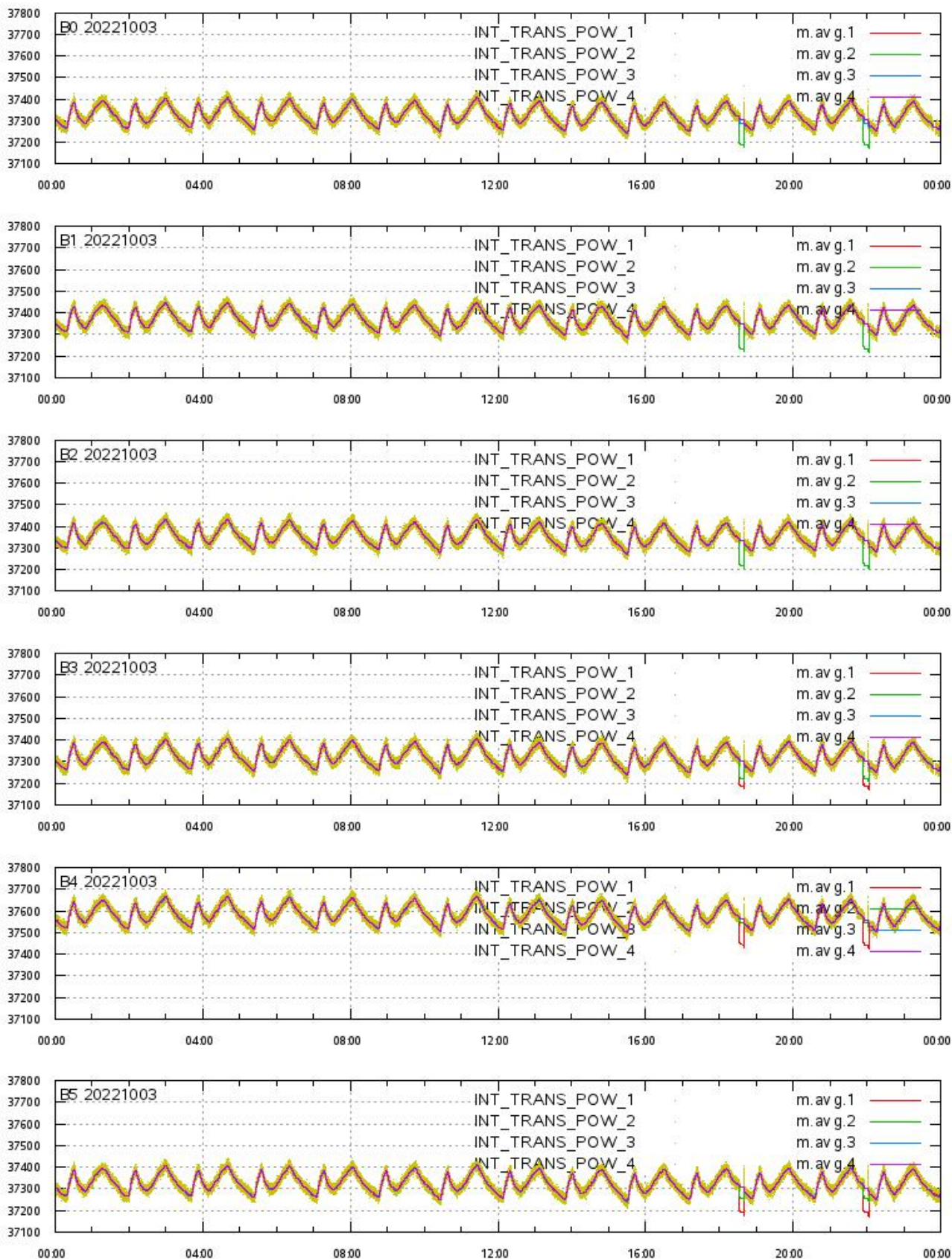
L1A Product

Echo Data Coverage maps



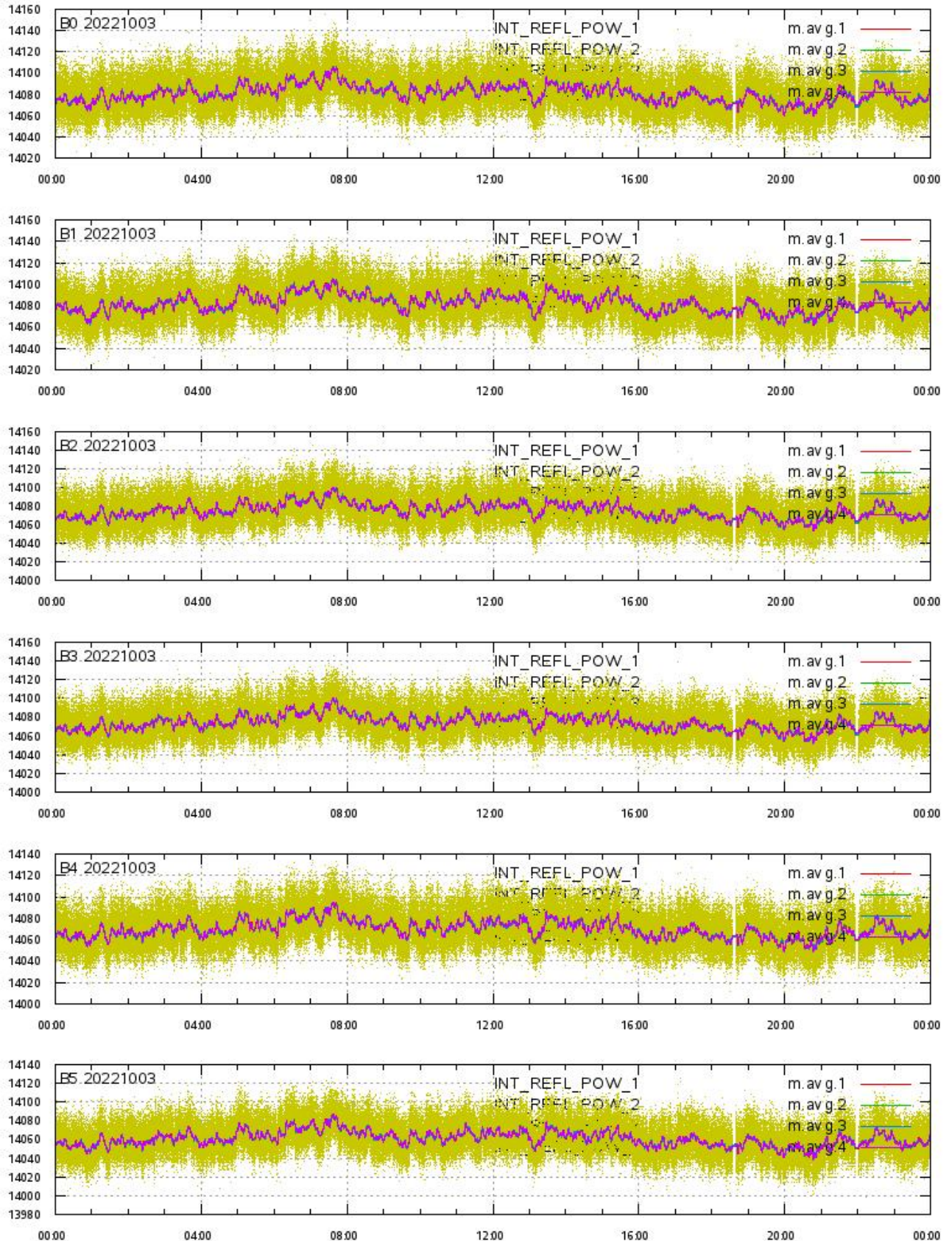
L1A Product

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



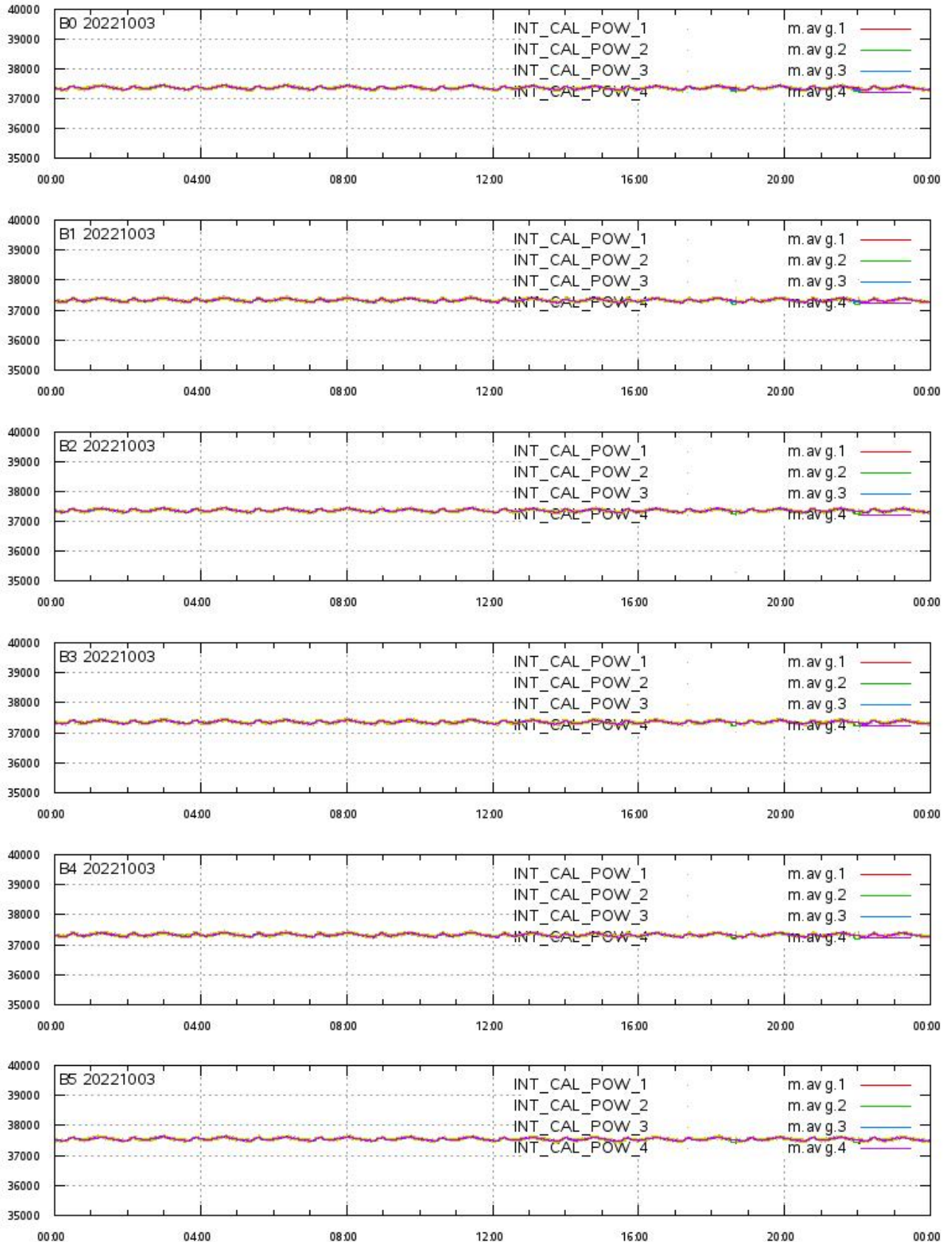
L1A Product

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



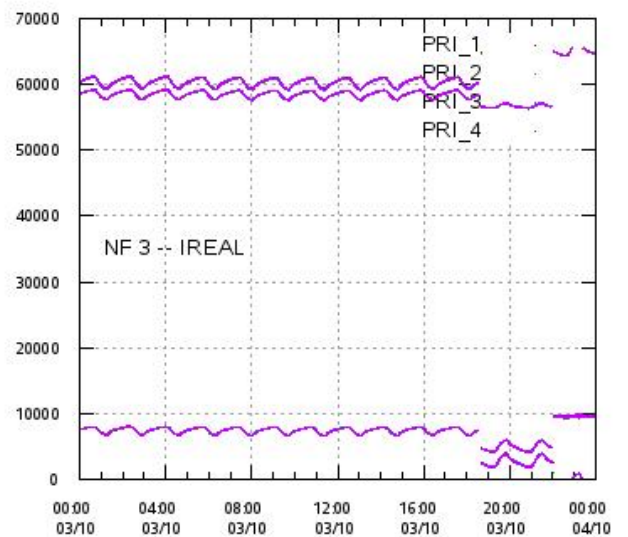
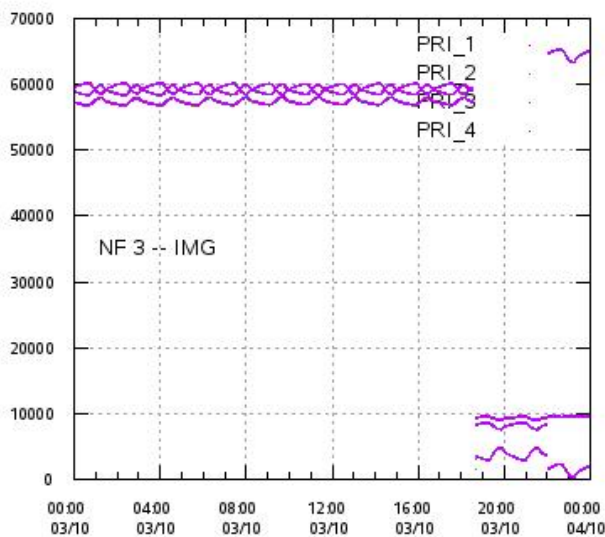
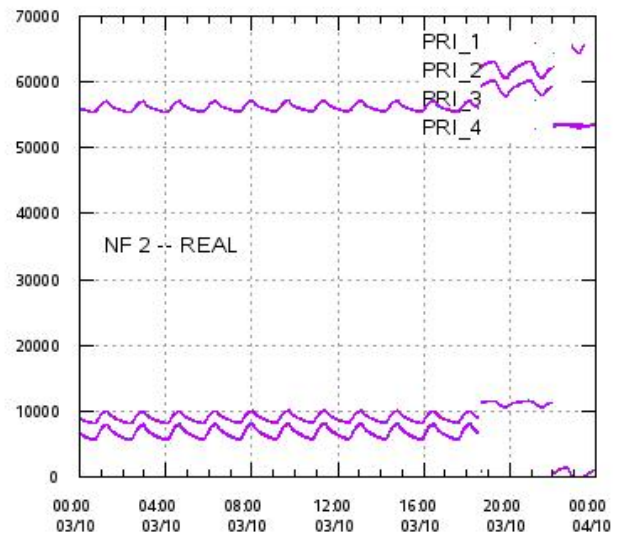
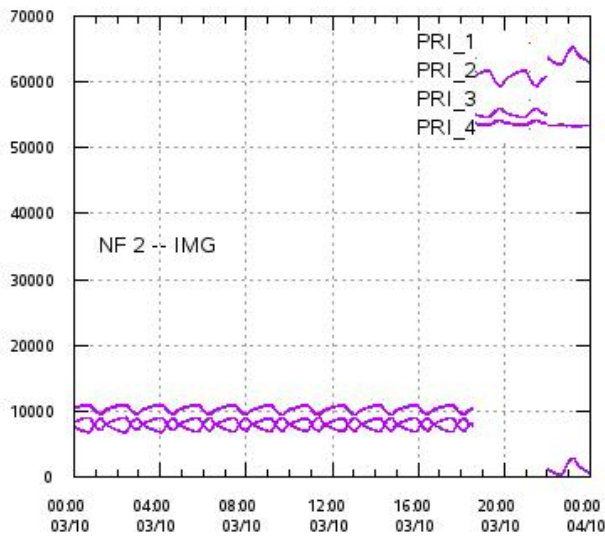
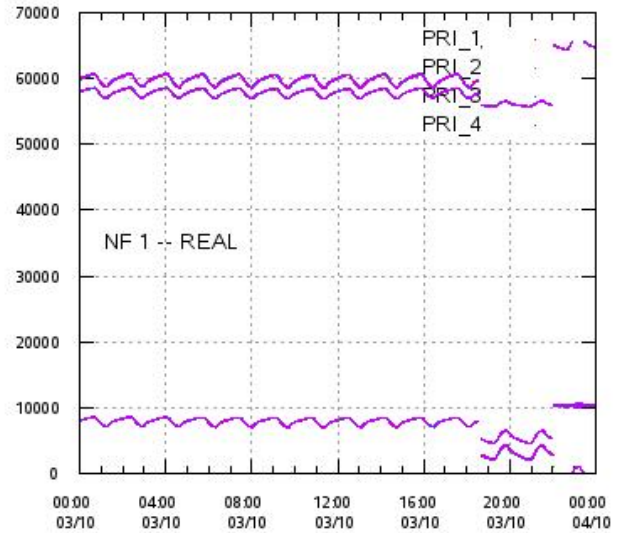
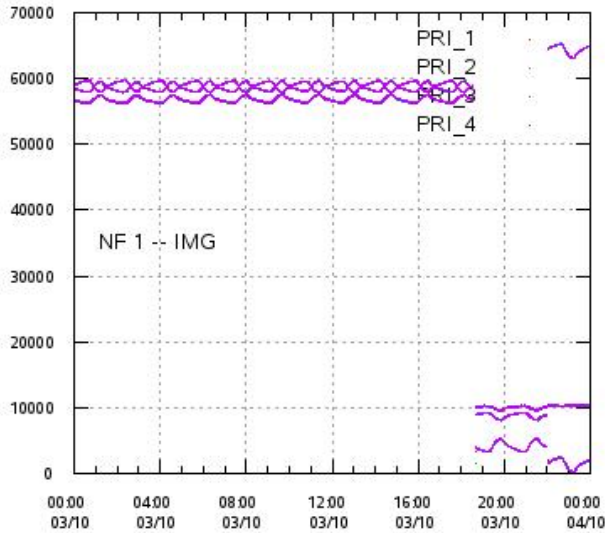
L1A Product

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



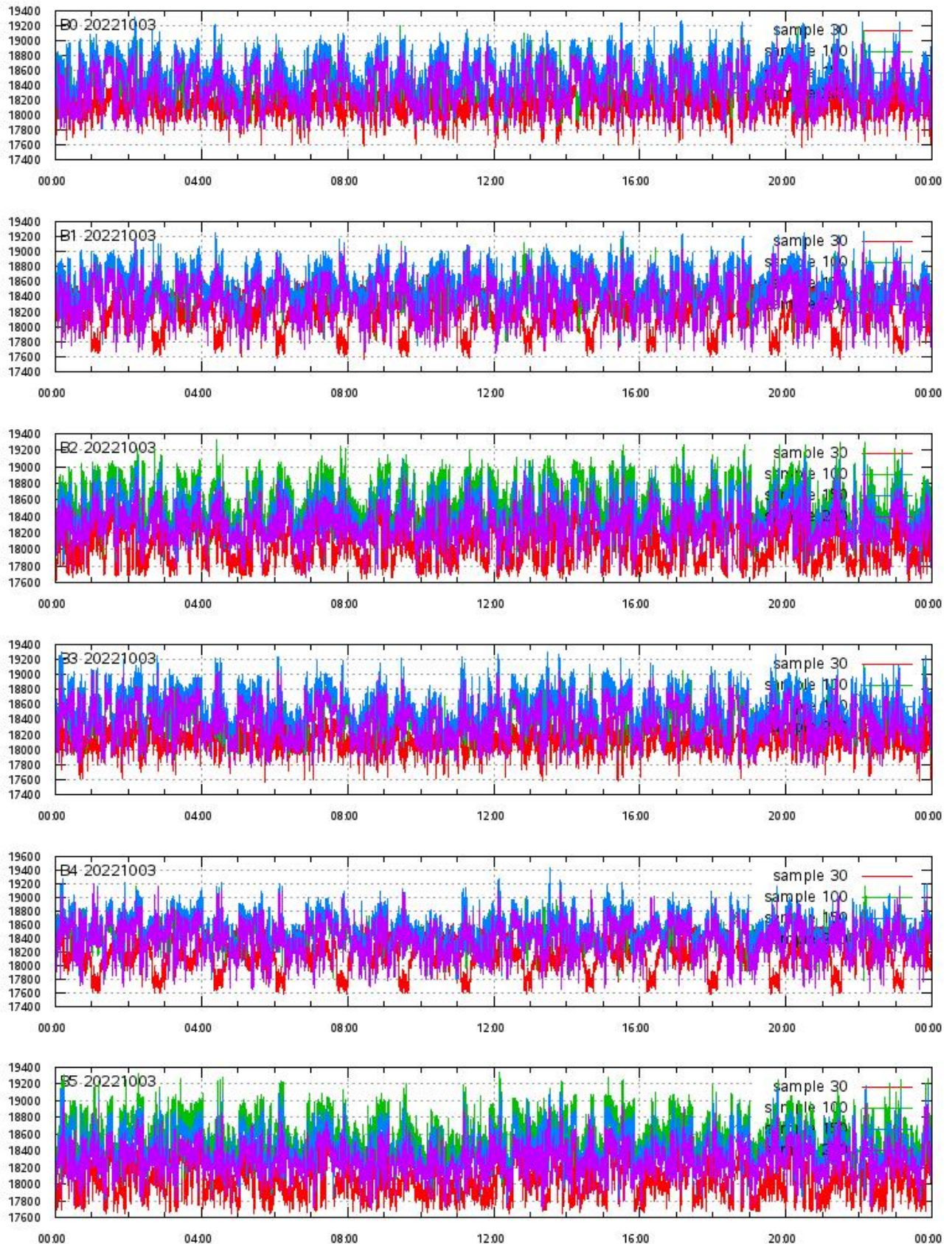
L1A Product

Calibration Powers vs. UTC_LOCALISATION



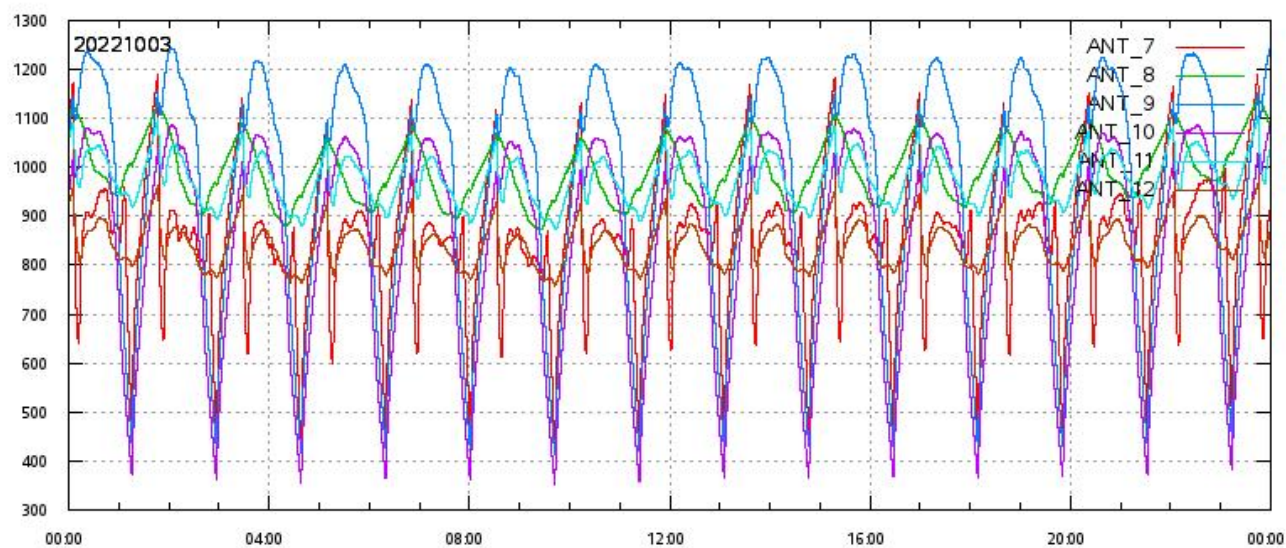
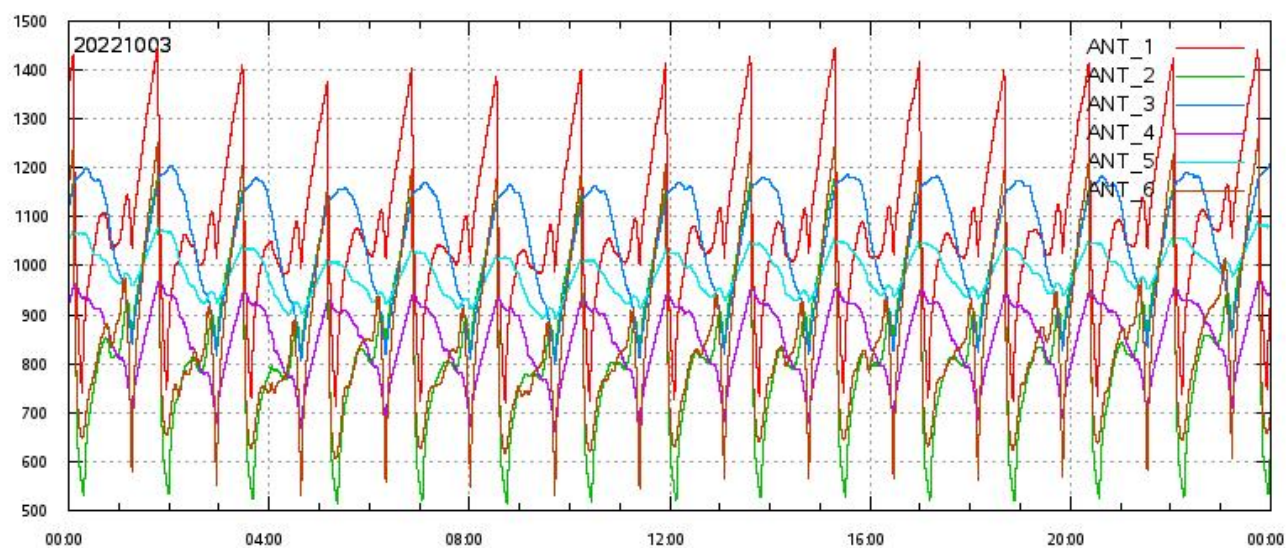
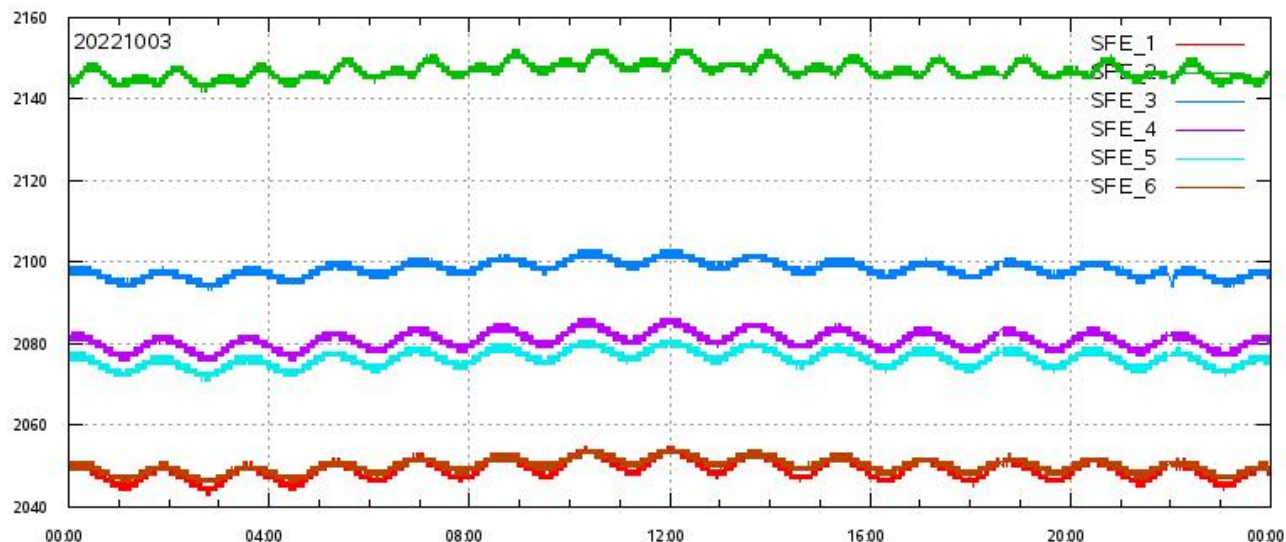
L1A Product

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



L1A Product

SFE & ANT Temperatures (raw) vs. UTC_LOCALISATION

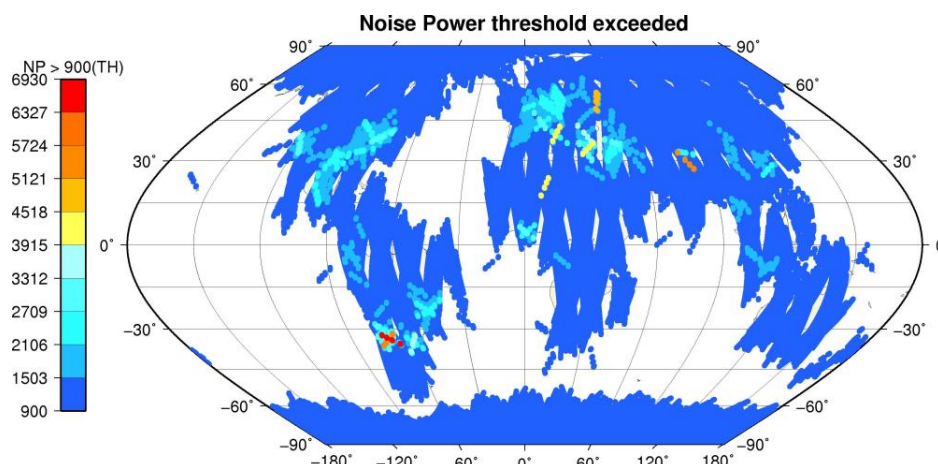
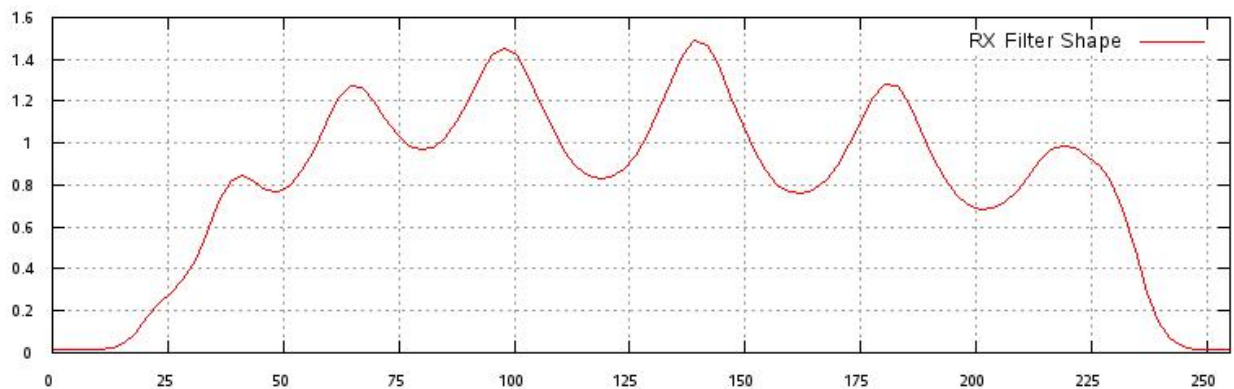
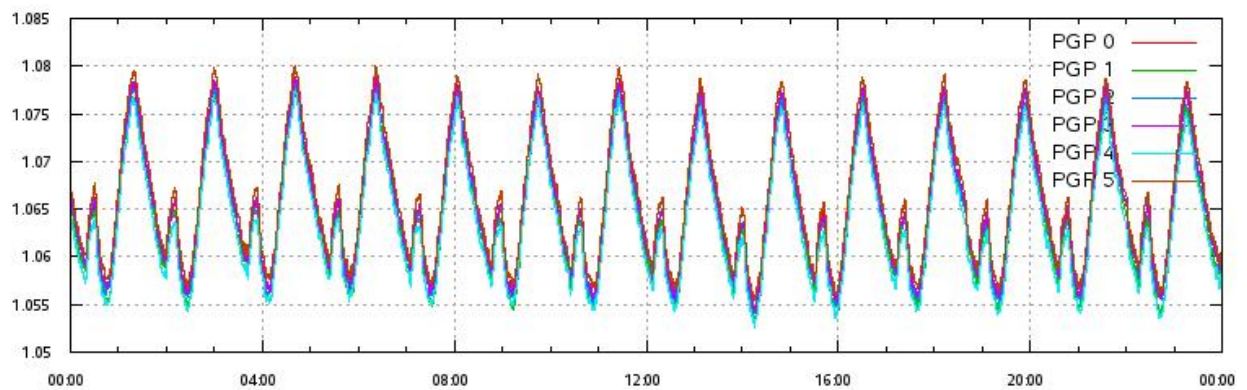
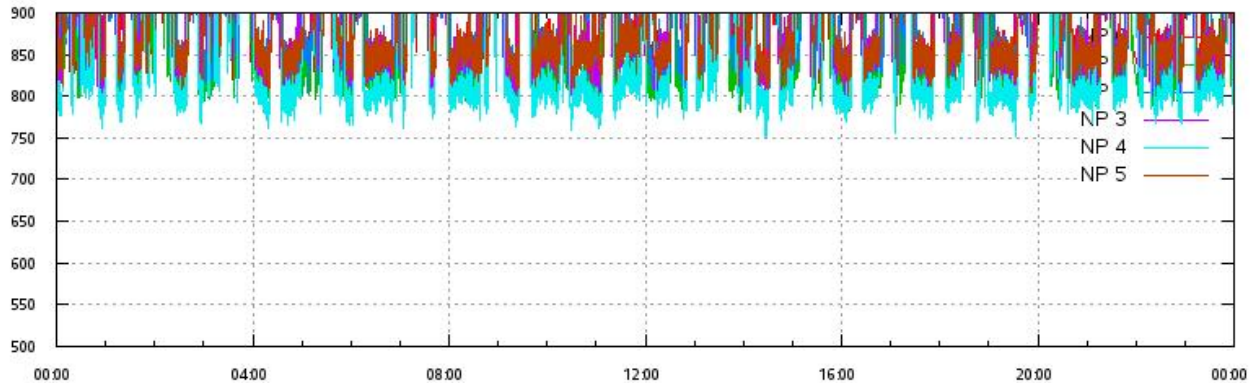


L1A Product

Noise Power & Power Gain Product per beam 0-5 vs. UTC_LOCALISATION

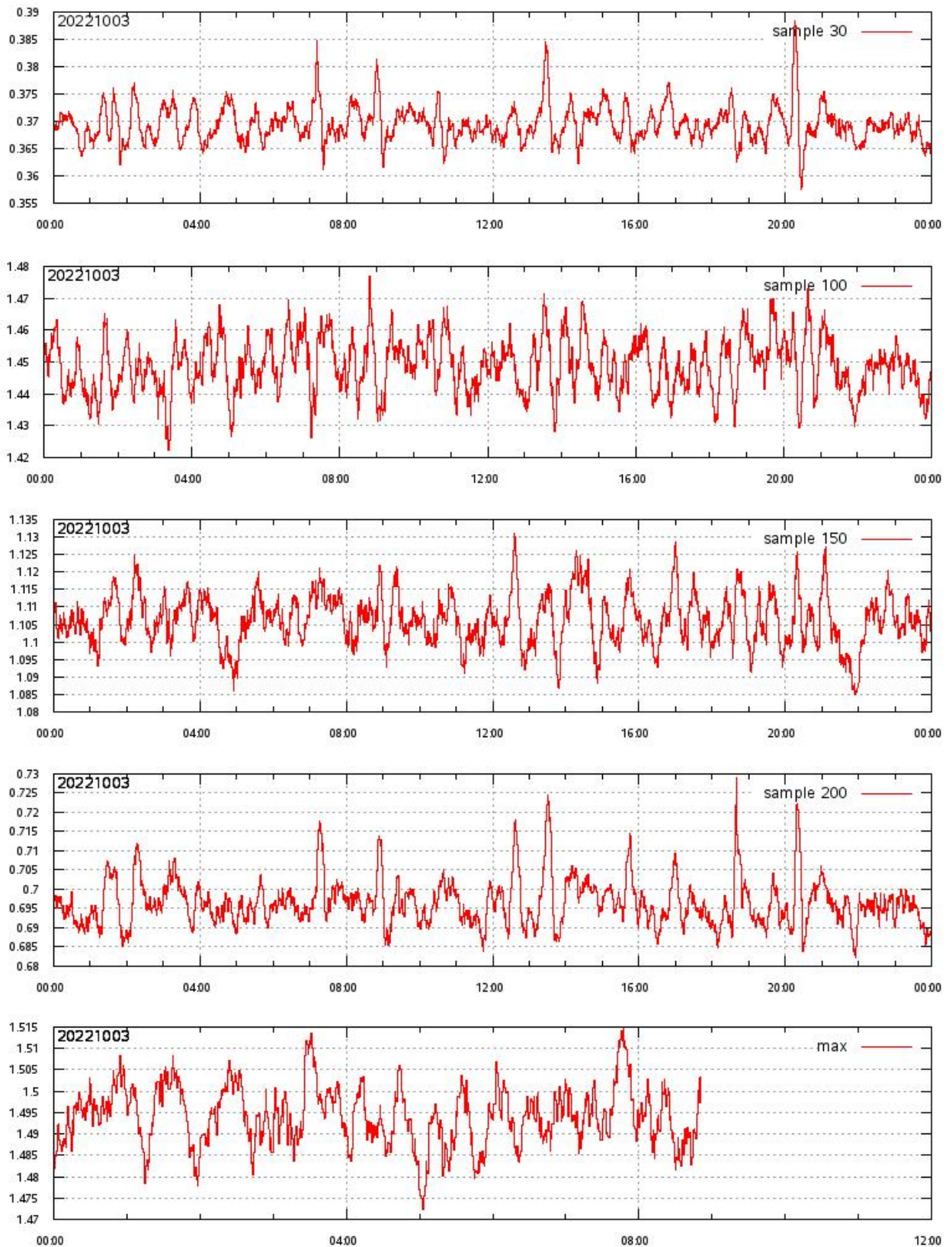
RX Filter Shape average over sample number

Noise Power threshold exceeded (TH=900) on map



L1A Product

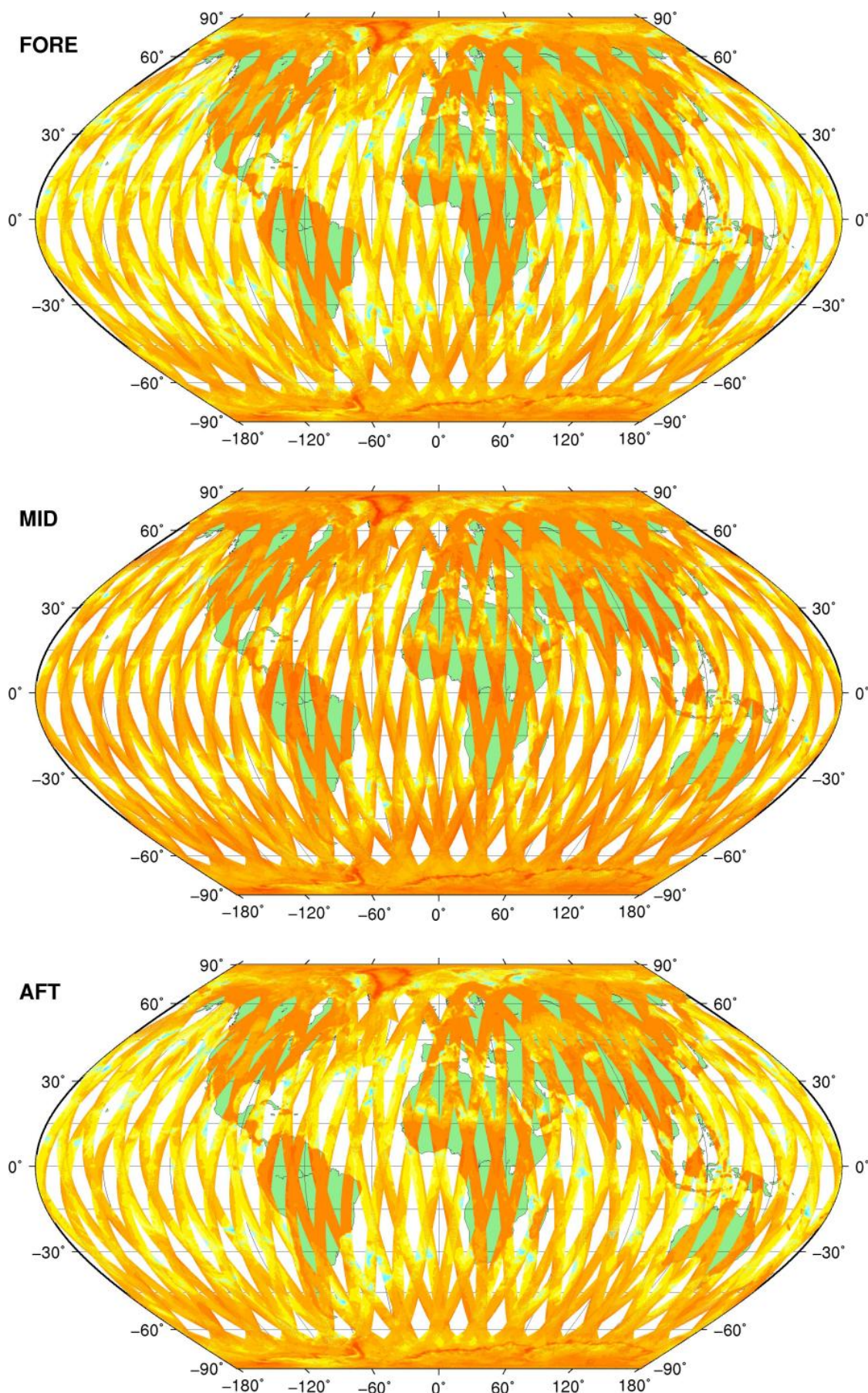
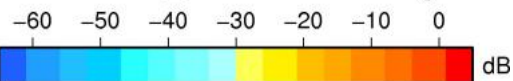
RX filter shape in detail for sample 30,100,150, 200 & max vs. UTC_LOCALISATION



SZO Product

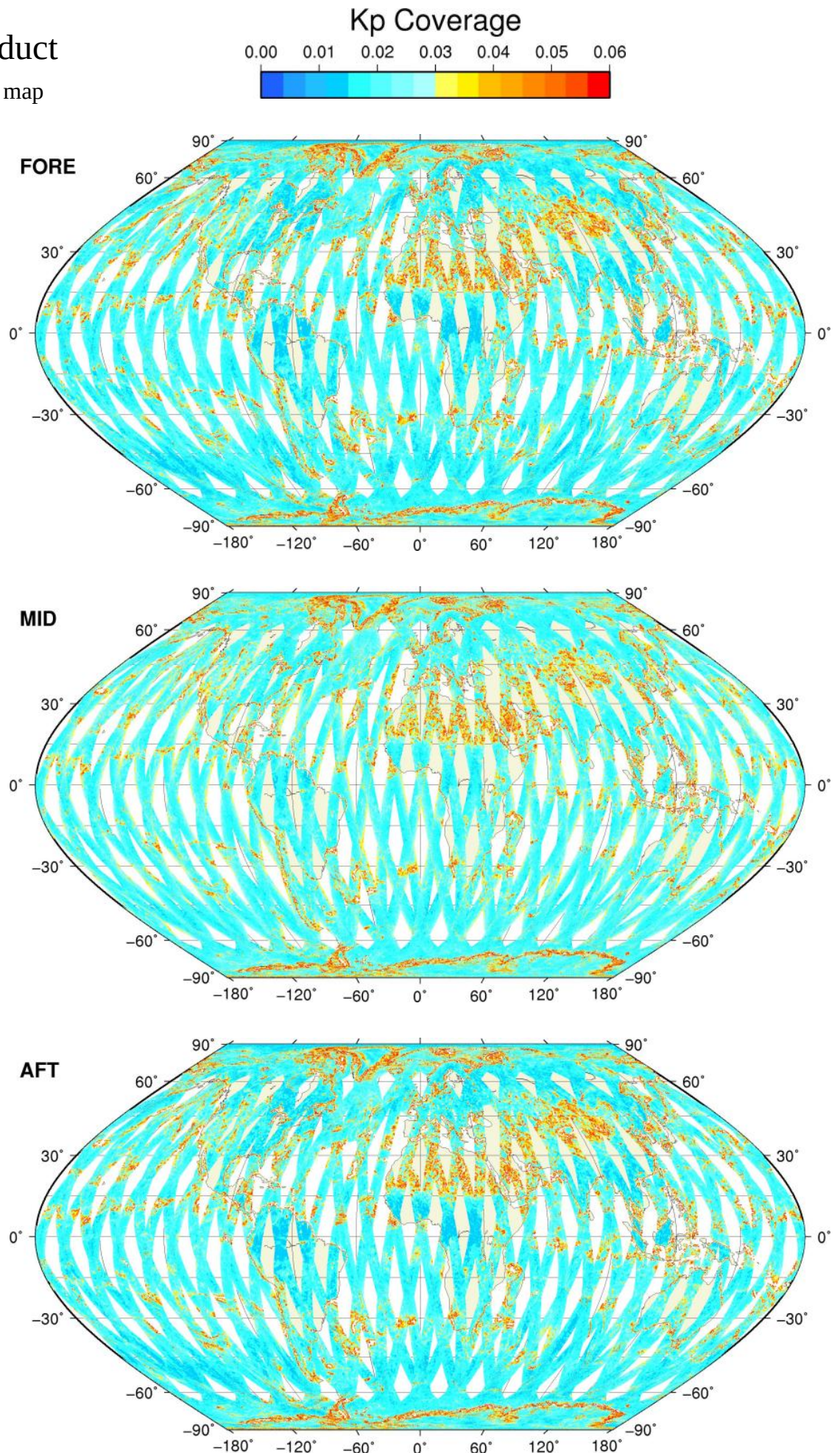
Sigma0_TRIP Coverage map

SIGMA0_TRIP Coverage



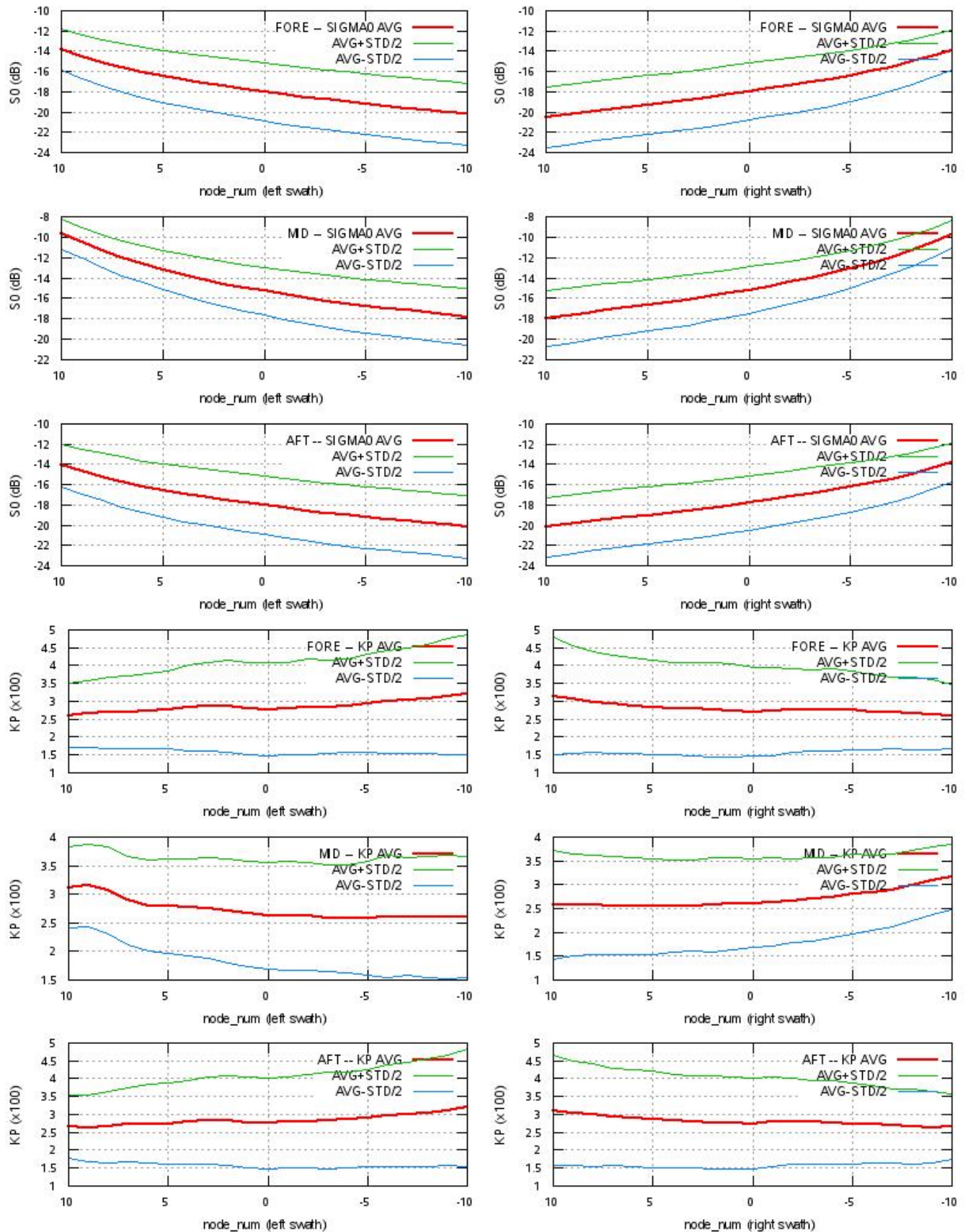
SZO Product

Kp Coverage map



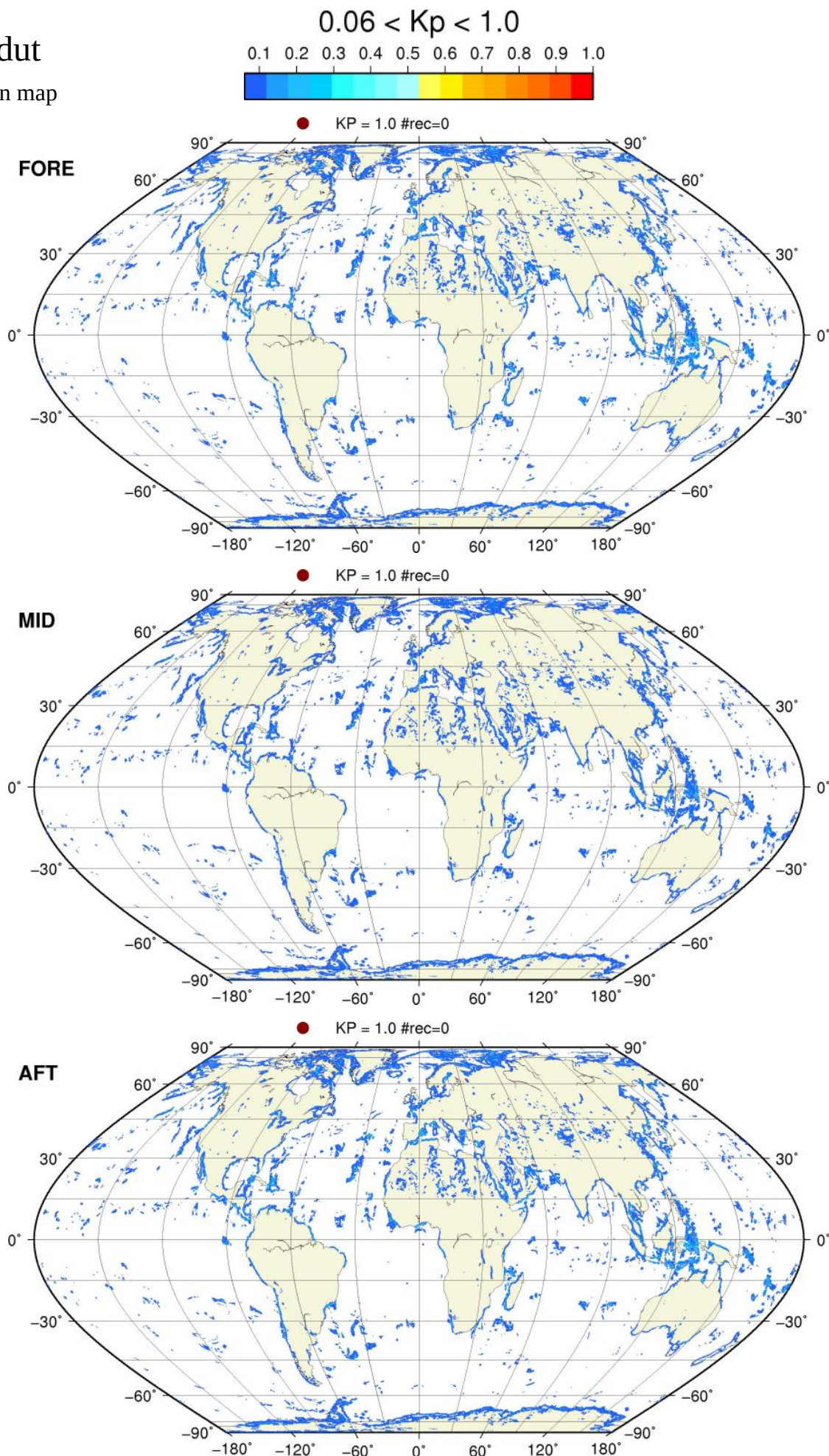
SZO Product

S0 - Kp Statistics



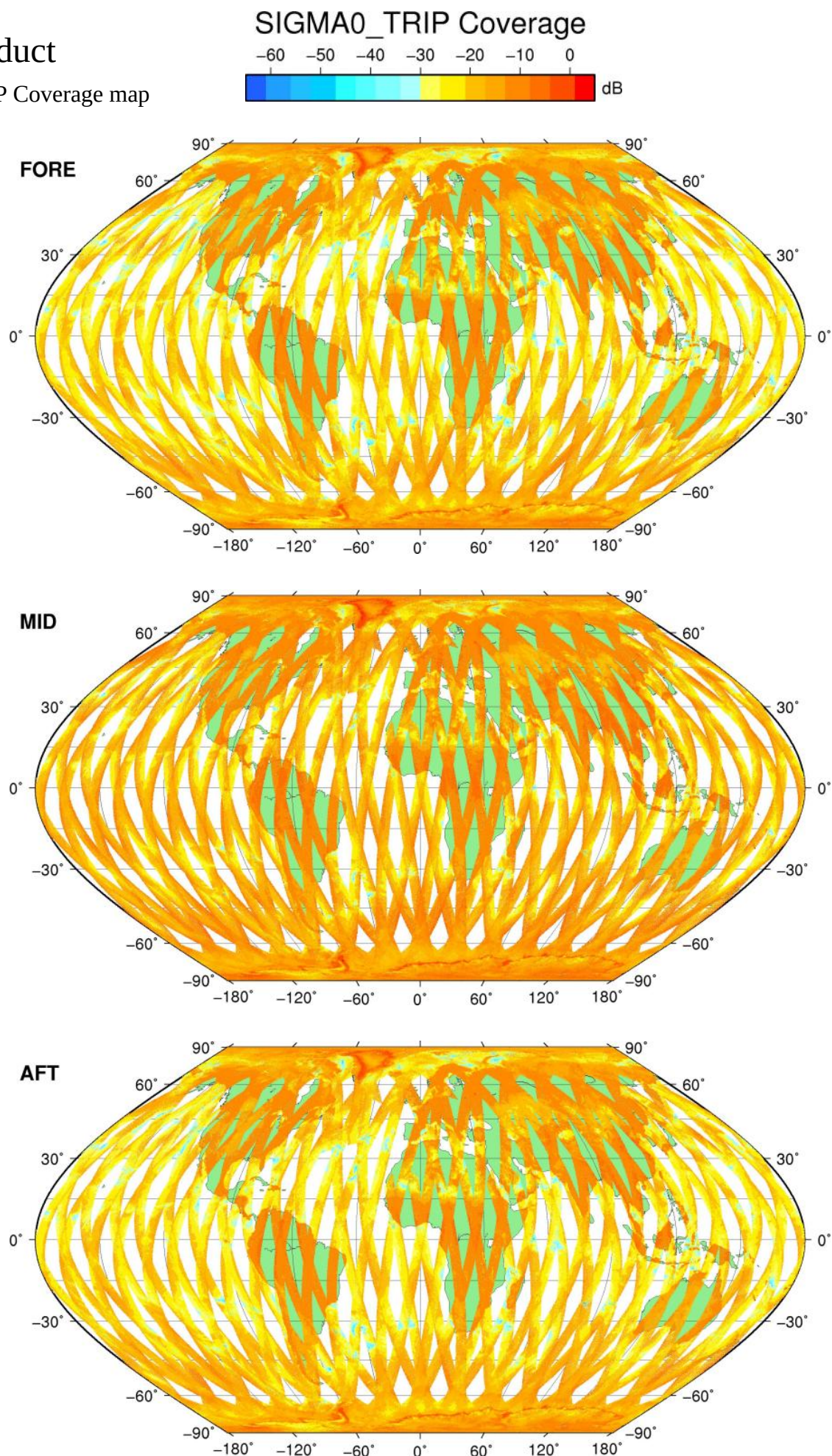
SZO Product

Kp Outliers on map



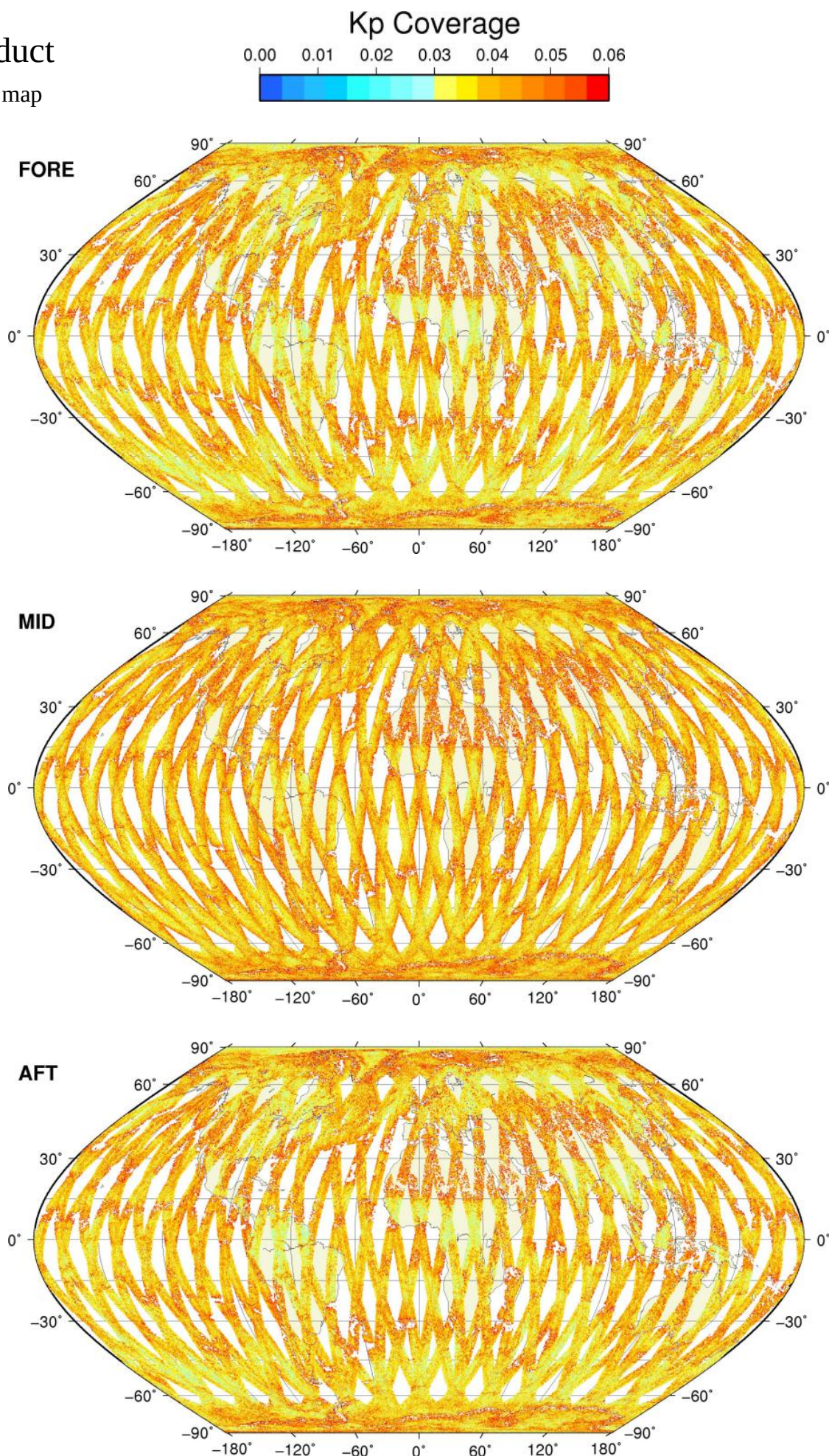
SZR Product

Sigma0_TRIP Coverage map



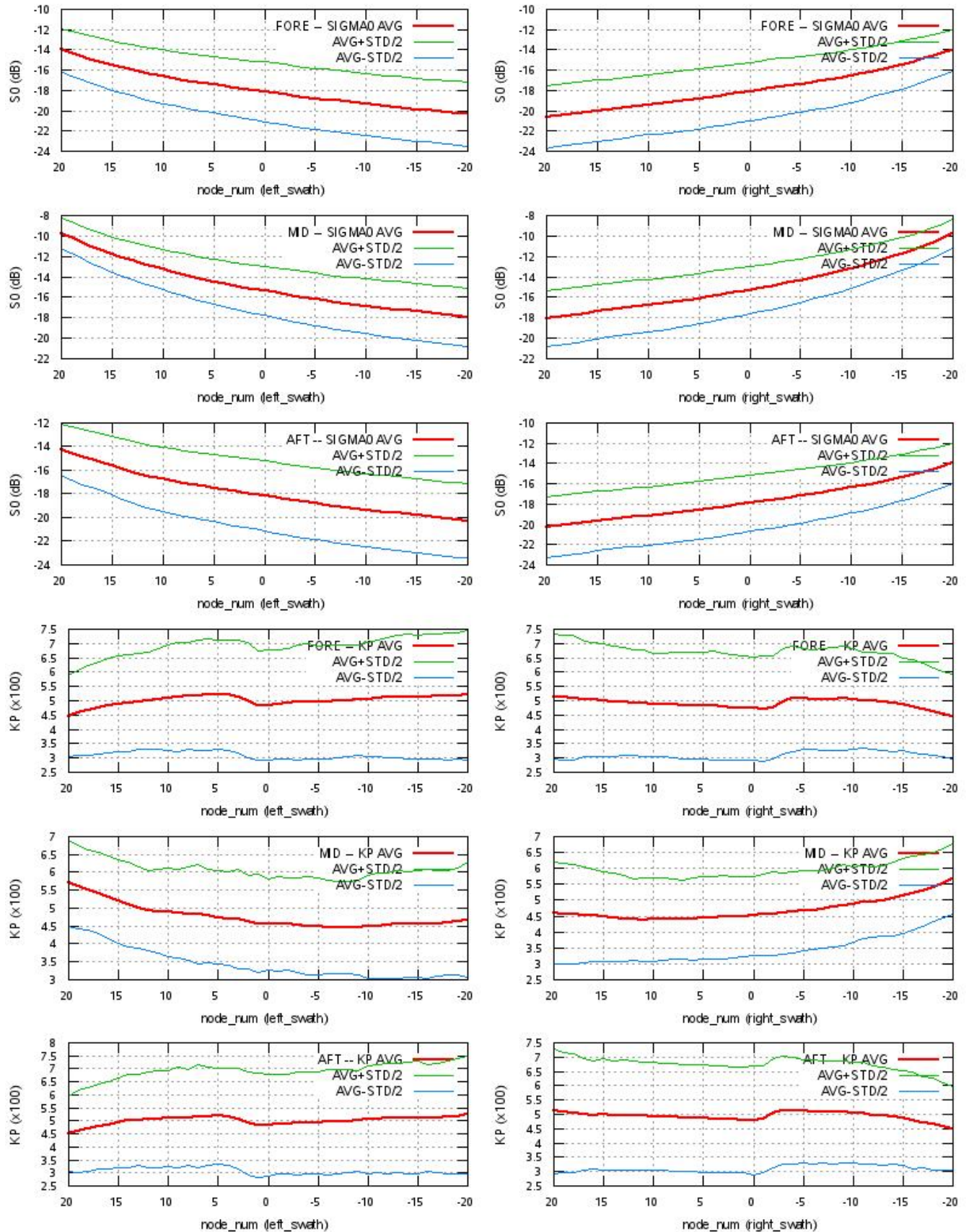
SZR Product

Kp Coverage map



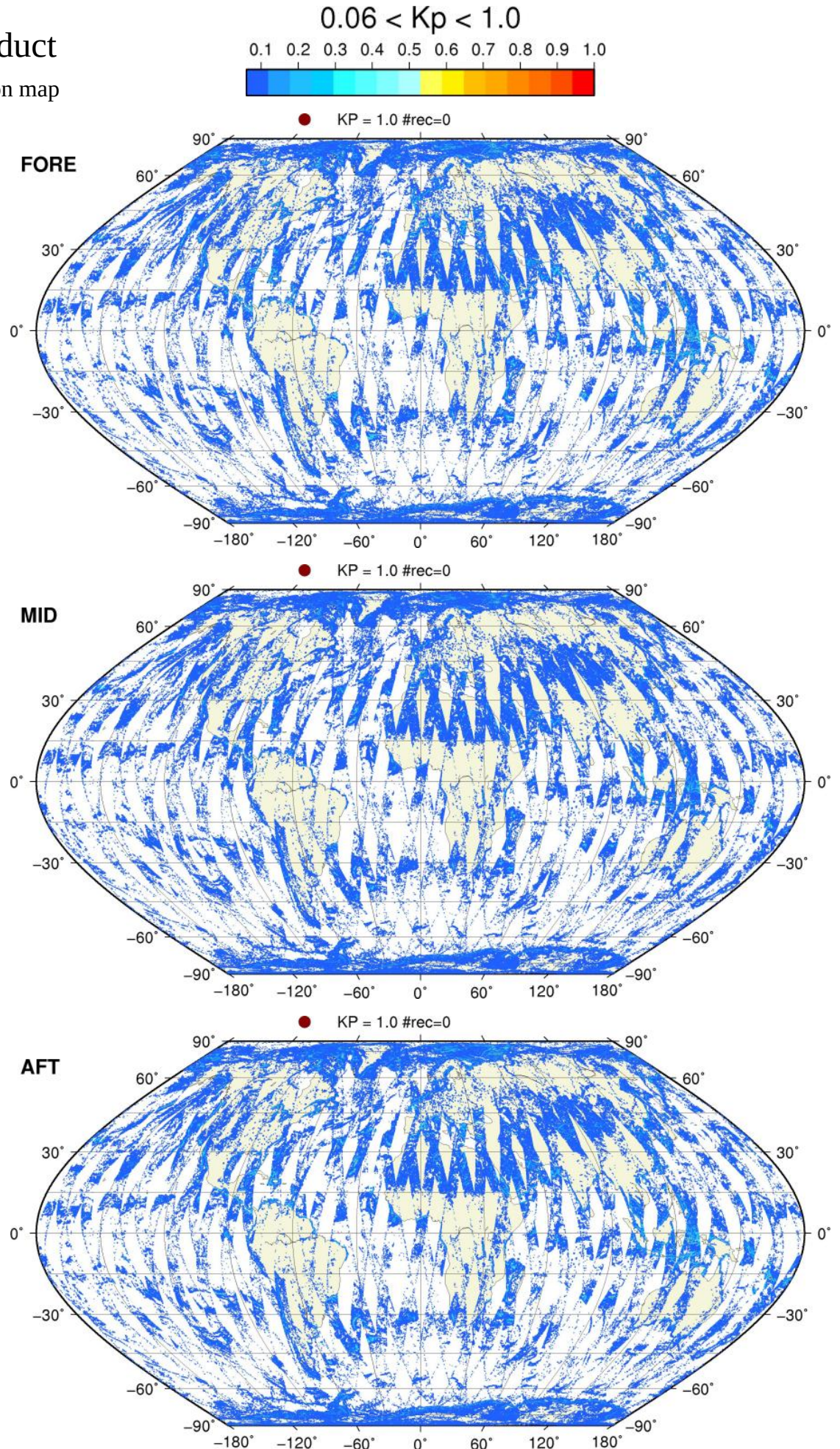
SZR Product

S0 - Kp Statistics



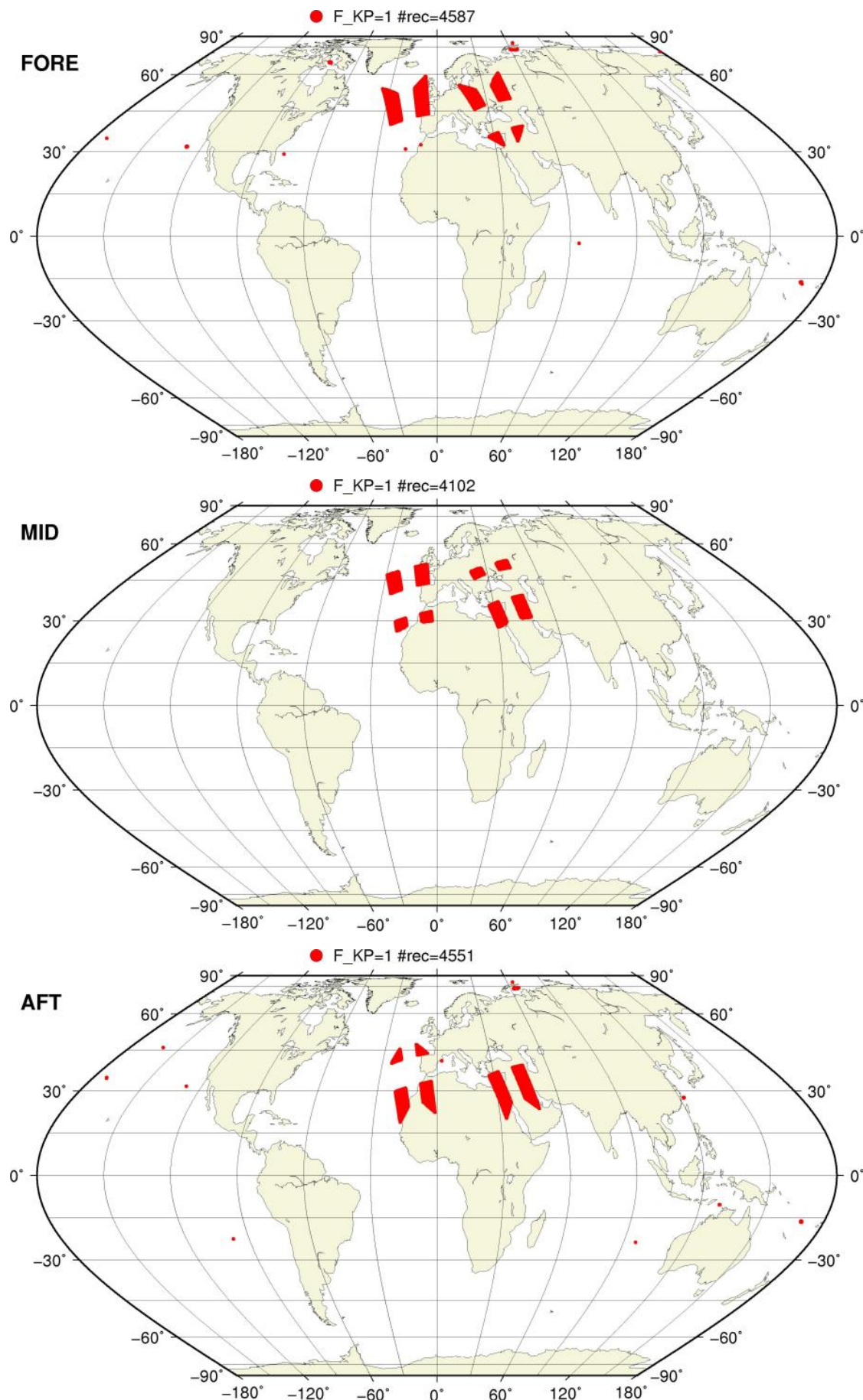
SZR Product

Kp Outliers on map



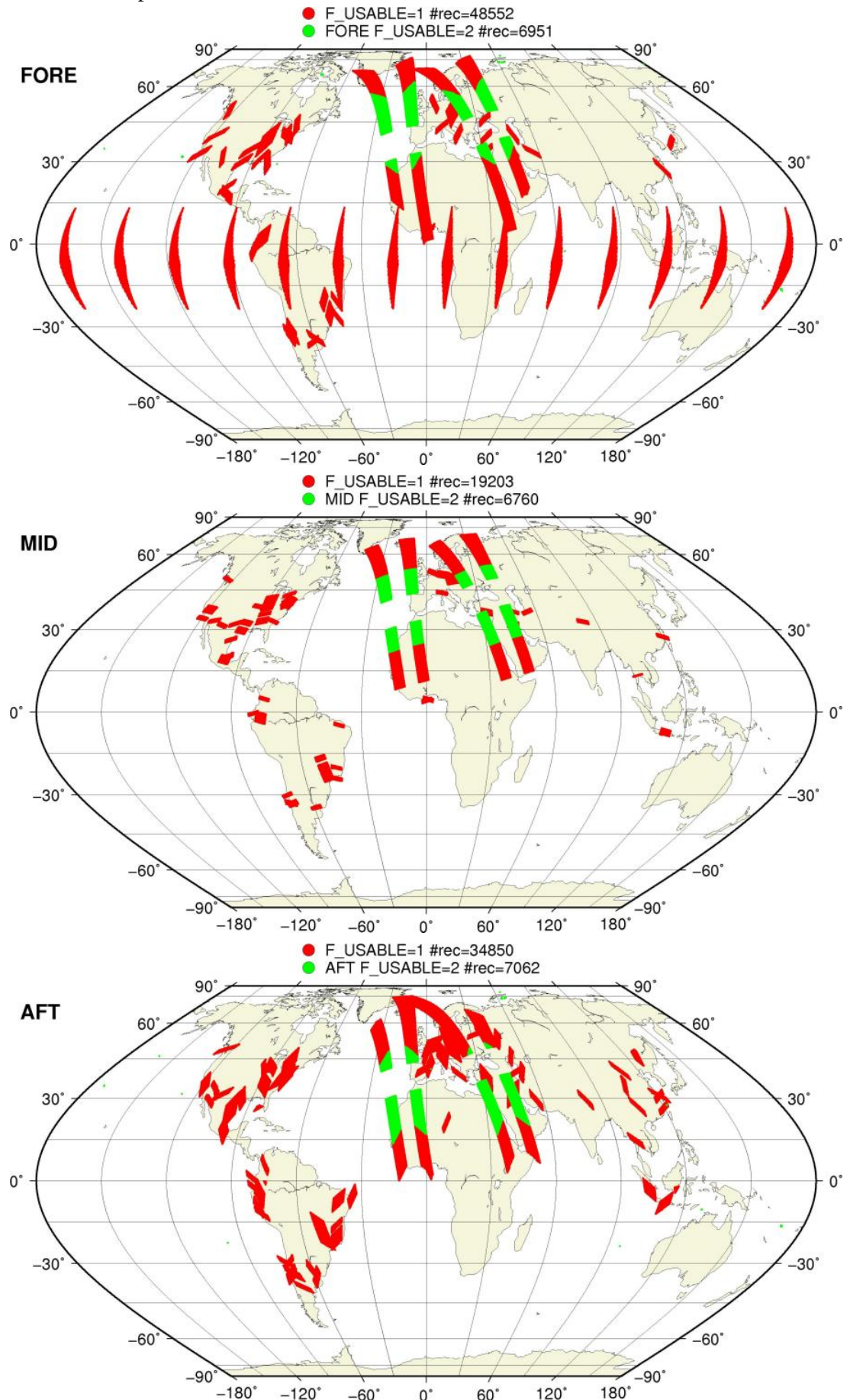
SZO Flagged Data Coverage

F_KP = 1 on map



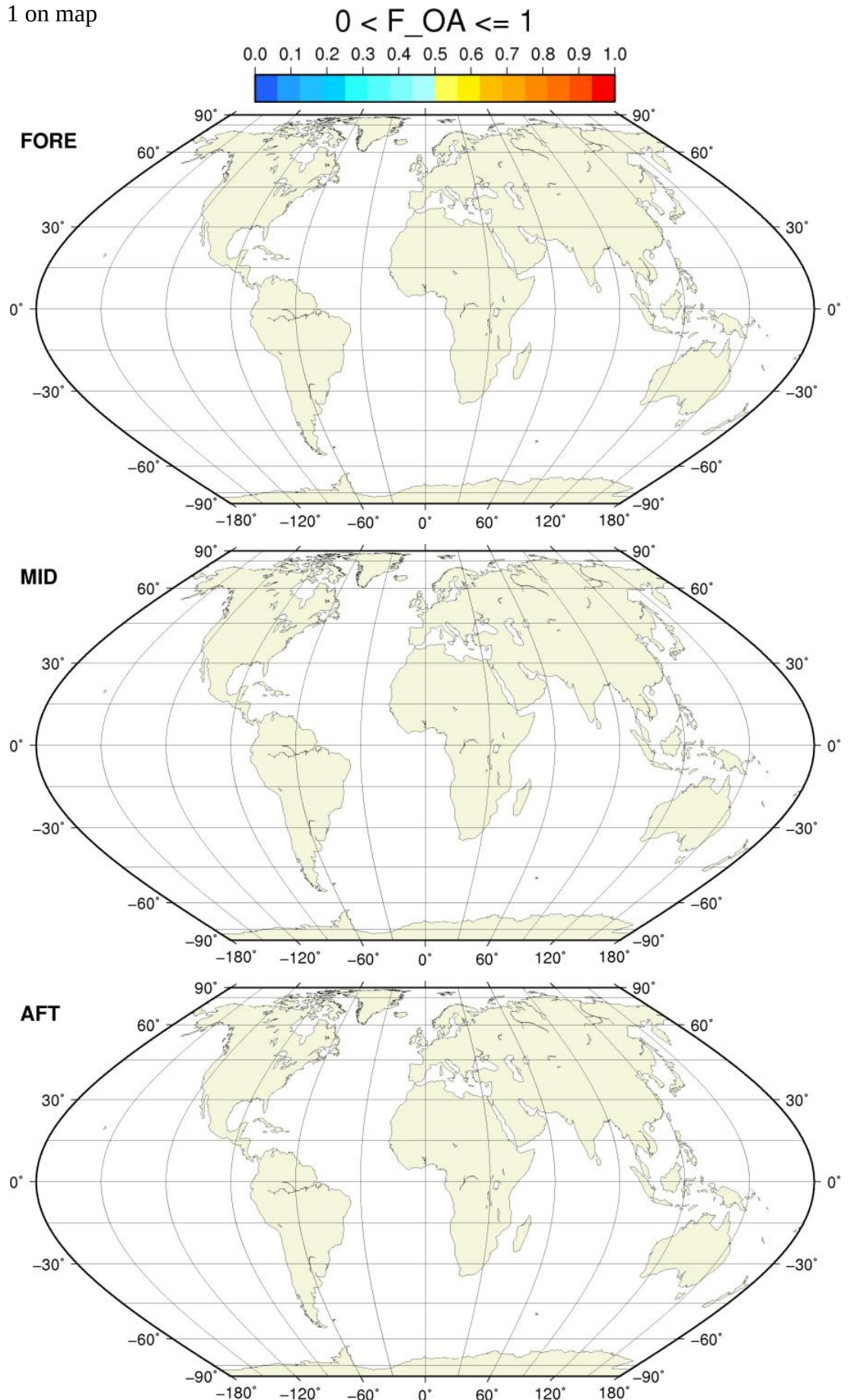
SZO Flagged Data Coverage

F_USABLE = 1 or 2 on map



SZO Flagged Data Coverage

$0 < F_{OA} \leq 1$ on map



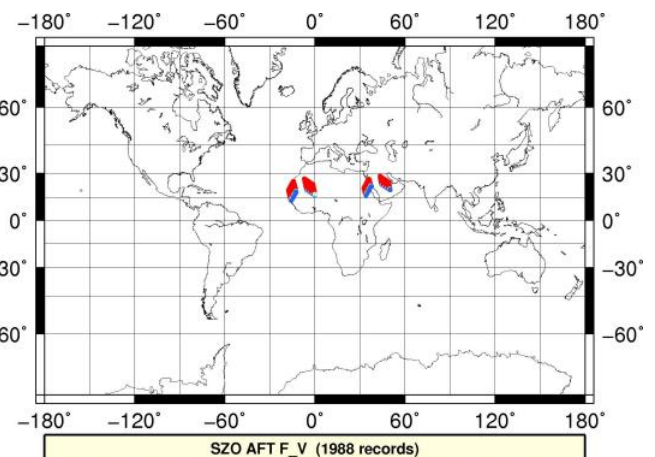
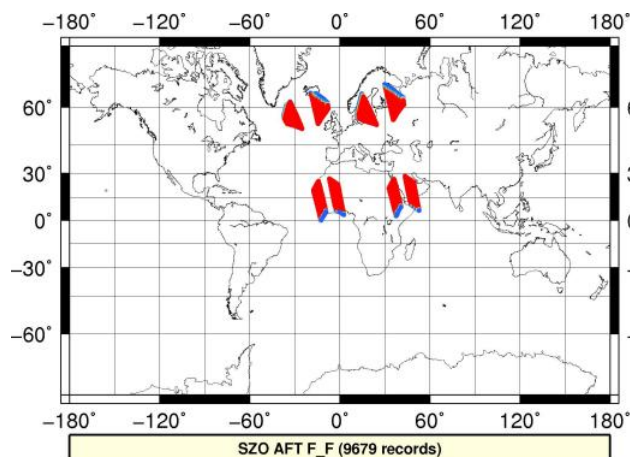
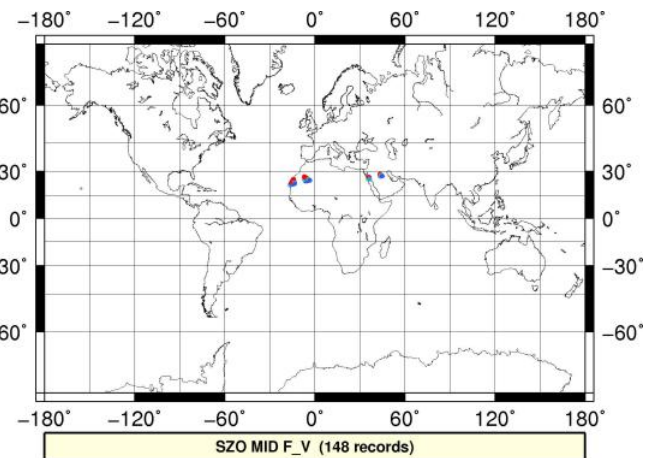
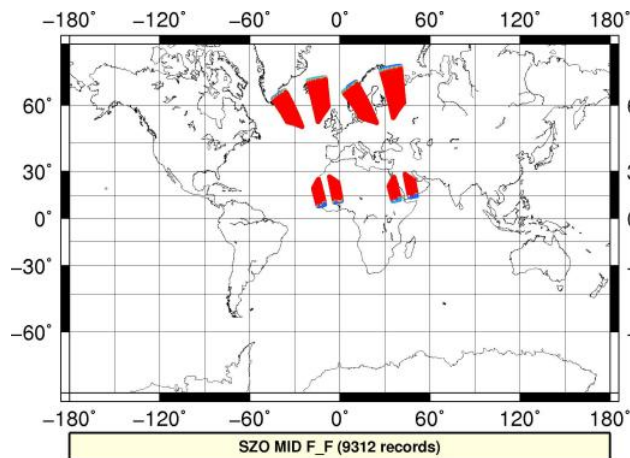
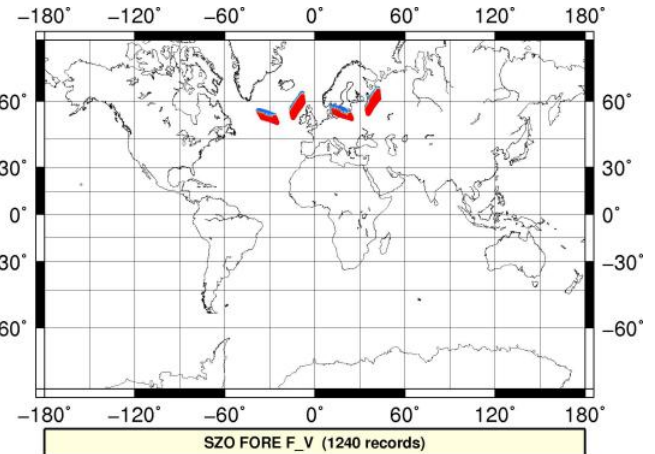
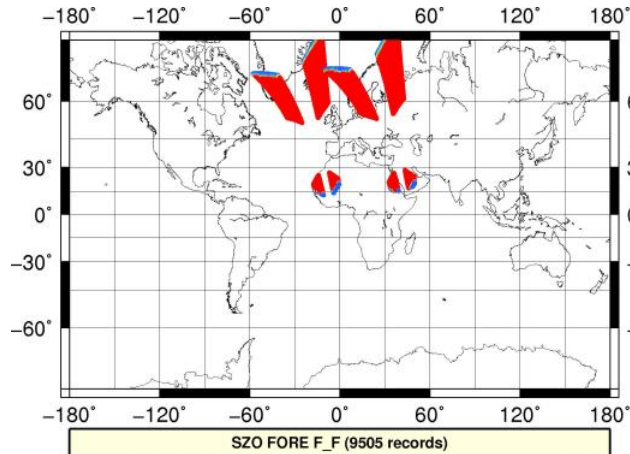
SZO Flagged Data Coverage

$0 < F_{F/V} \leq 1$ on map

$0 < F_F \leq 1$

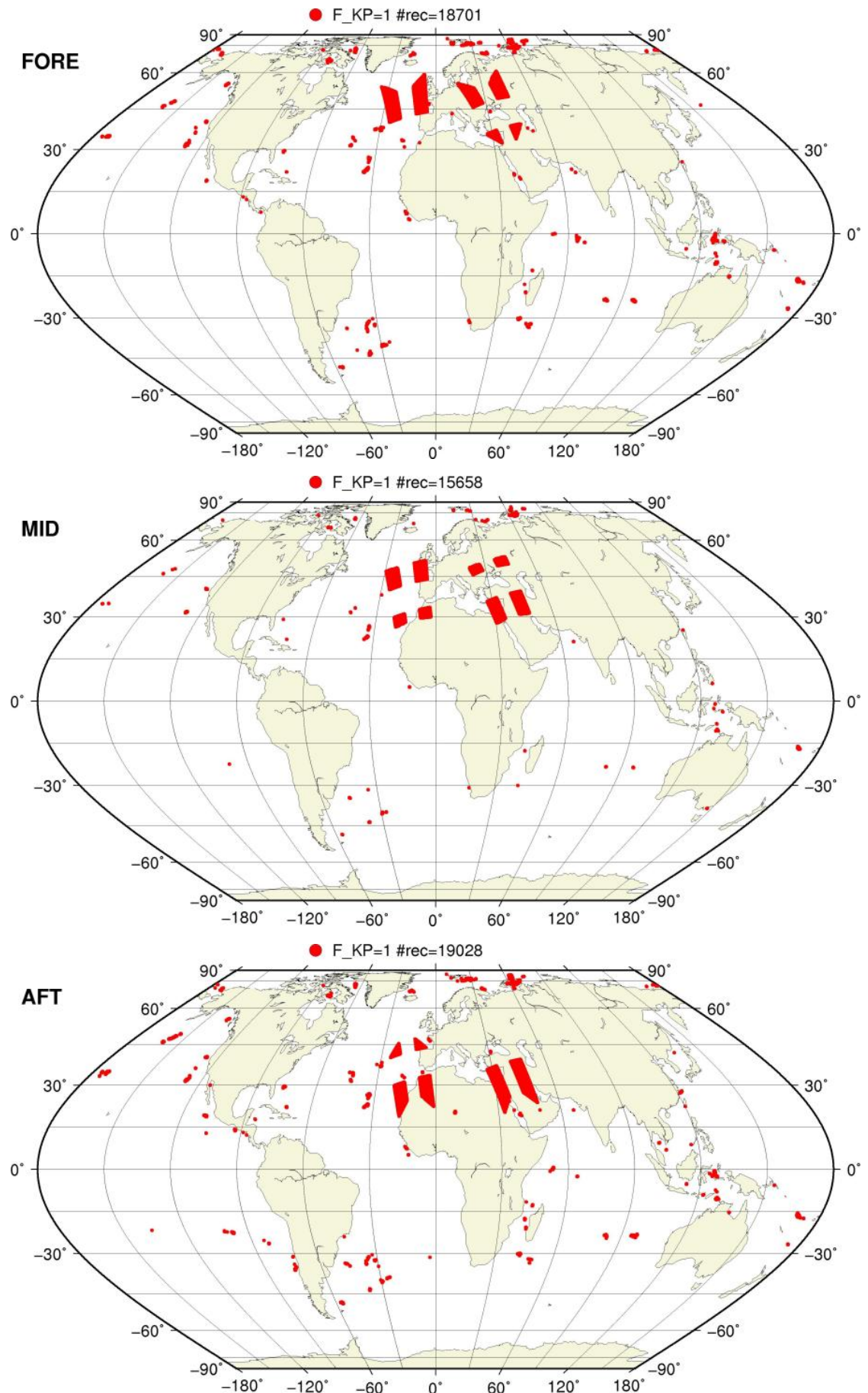


$0 < F_V \leq 1$



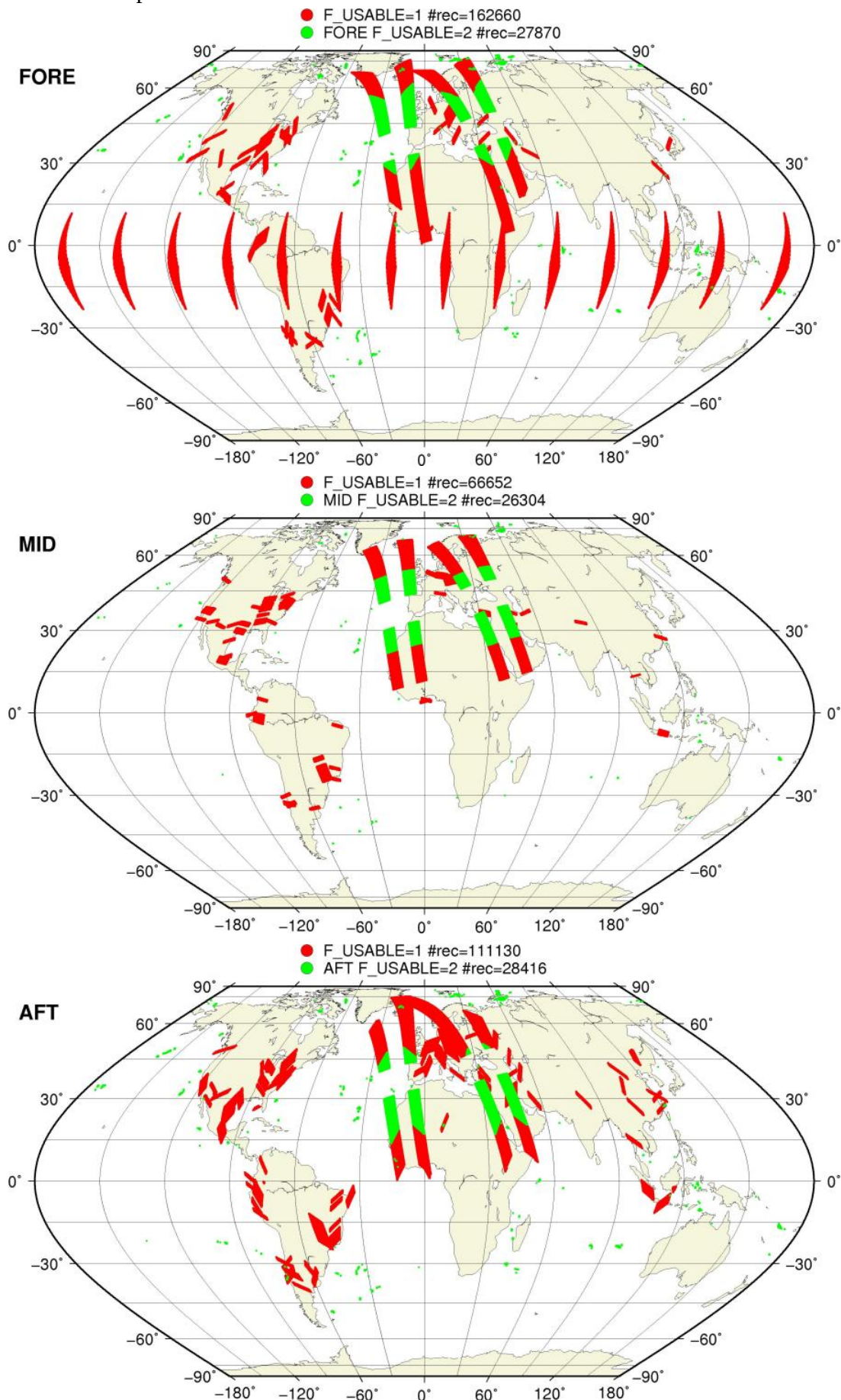
SZR Flagged Data Coverage

F_KP = 1 on map



SZR Flagged Data Coverage

F_USABLE = 1 or 2 on map



SZR Flagged Data Coverage

$0 < F_{OA} \leq 1$ on map



SZR Flagged Data Coverage

$0 < F_{F/V} \leq 1$ on map

$0 < F_F \leq 1$



$0 < F_V \leq 1$

