

ASCAT DAILY Report

Metop-A

OPE

DAY 2017_113

20170423000000 - 20170423235959

DATA STATISTICS

BASED ON ORBITS (#14)

54530 54531 54532 54533 54534 54535 54536 54537 54538 54539 54540 54541 54542
54543 54544

T. a . . p/ASCA_IRP_M02_2ŸóASCA_IRP_M02_2,↑ASCA_IRP_M02_2p, ASCA_IRP_M02_2 +ASCA_IRP_M02_2
ASCA_IRP_M02_24‡ASCA_IRP_M02_2pWASCA_IRP_M02_27ŃASCA_IRP_M02_2!{ASCA_IRP_M02_2k_ASCA_IRP_M02_2Ÿ•ASCA_IRP_M02_2
ASCA_IRP_M02_2kbASCA_IRP_M02_2pμASCA_IRP_M02_2,AASCA_IRP_M02_2Ÿ ASCA_IRP_M02_2kÄASCA_IRP_M02_2,MASCA_IRP_M02_2

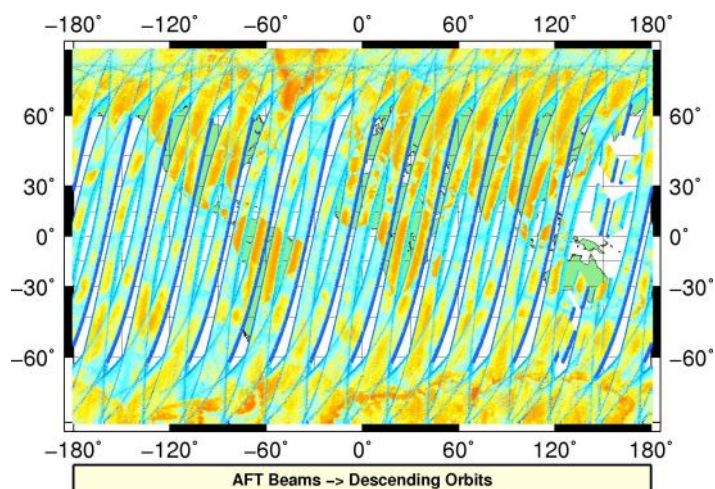
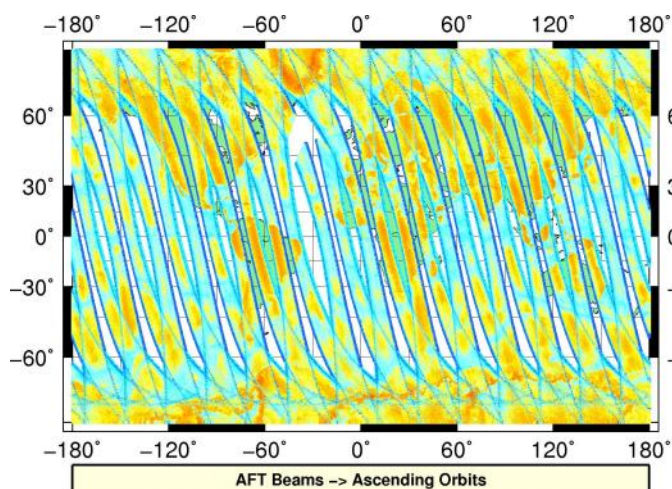
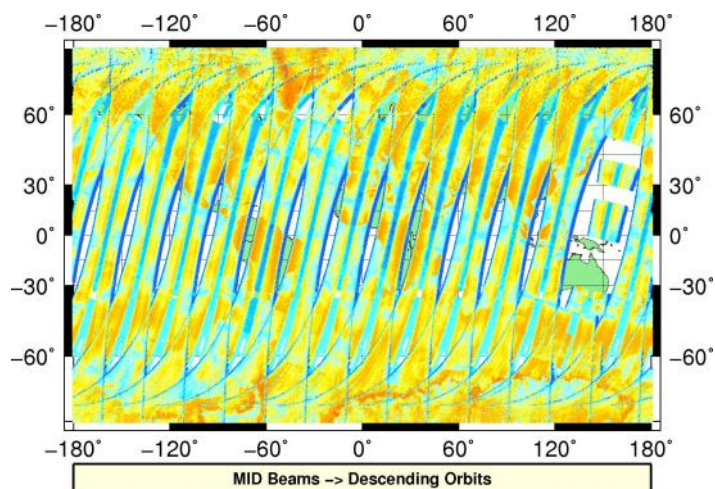
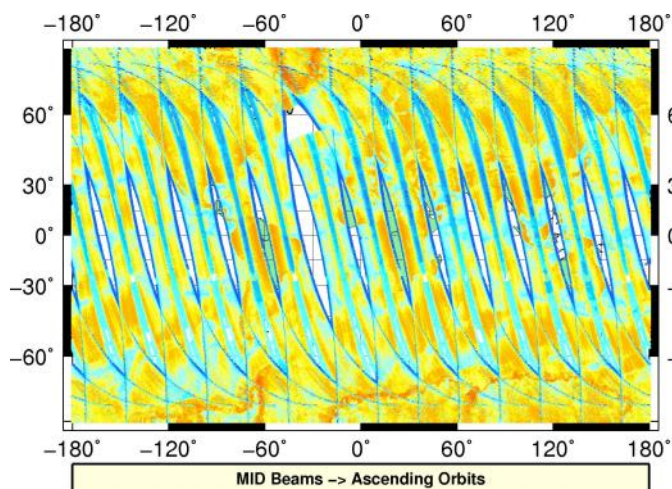
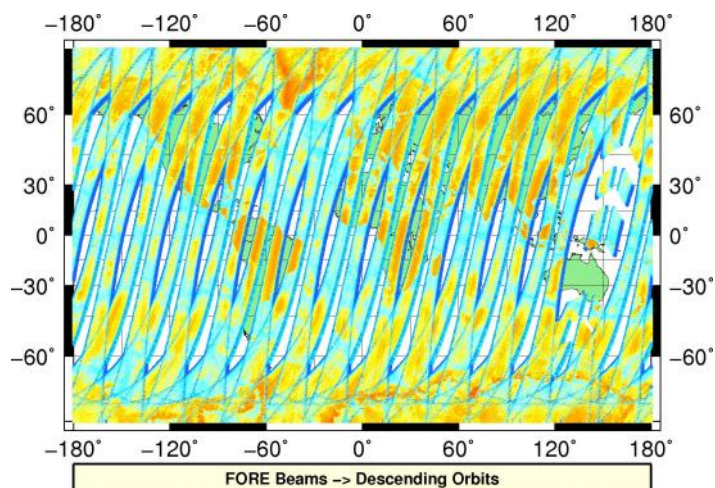
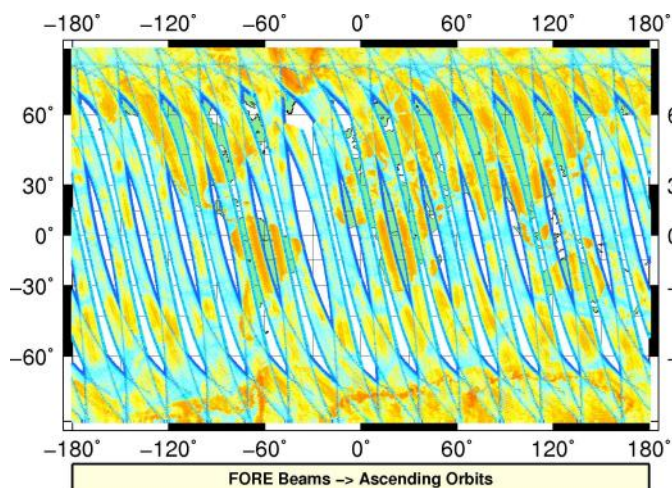
Overview

Configuration and SPHR content

Parameter	Value
SENSING START-STOP	20170423000000 - 20170423235959
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	583695
N_L1A_MDR_B0	97283
N_L1A_MDR_B1	97281
N_L1A_MDR_B2	97282
N_L1A_MDR_B3	97283
N_L1A_MDR_B4	97283
N_L1A_MDR_B5	97283
N_GAPS	0
TOTAL_GAPS_SIZE	0
N_HKTM_PACKETS_RECEIVED	15458
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	1019046
N_F_LAND	47986420
N_F_GEO	3151208
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

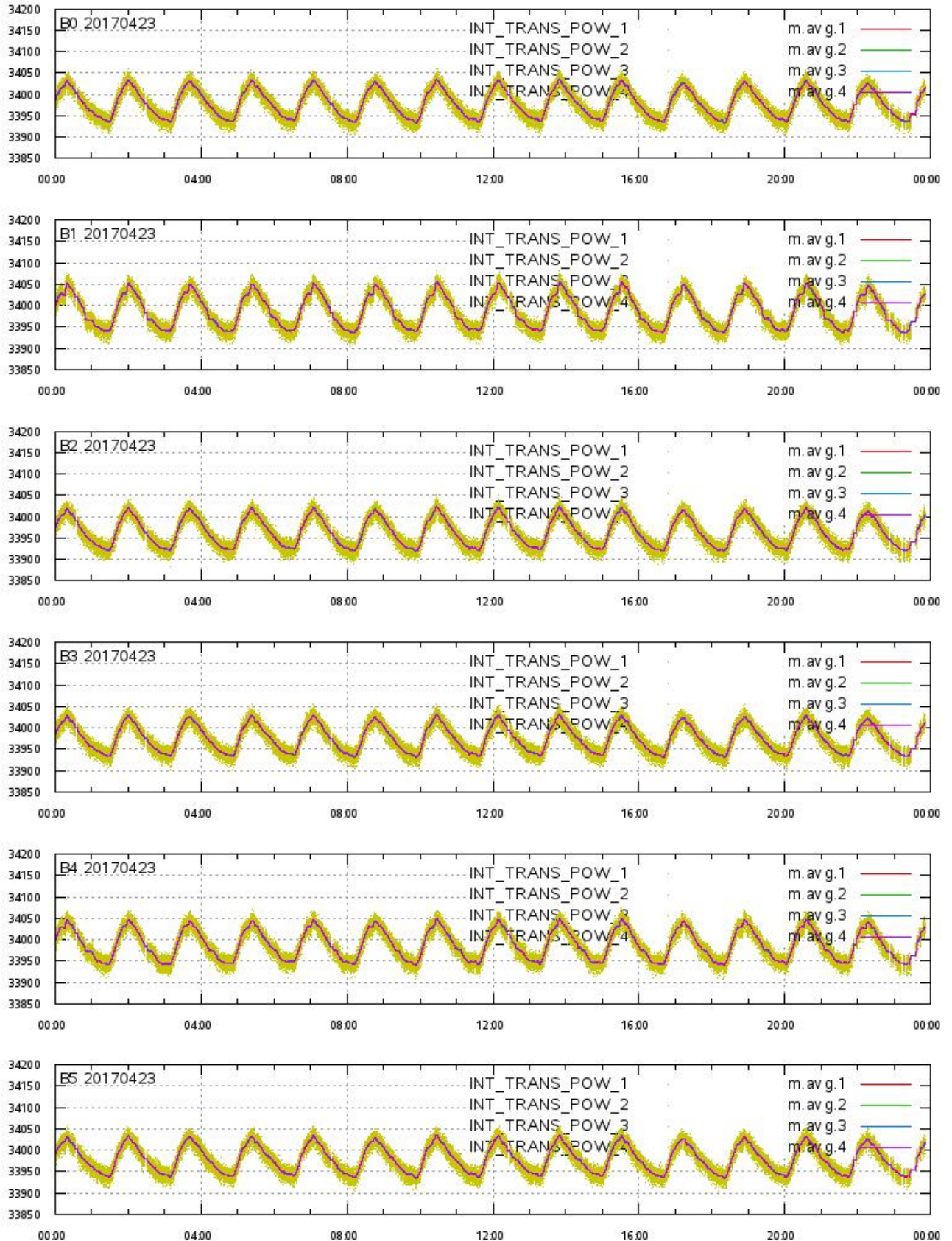
L1A Product

Echo Data Coverage maps



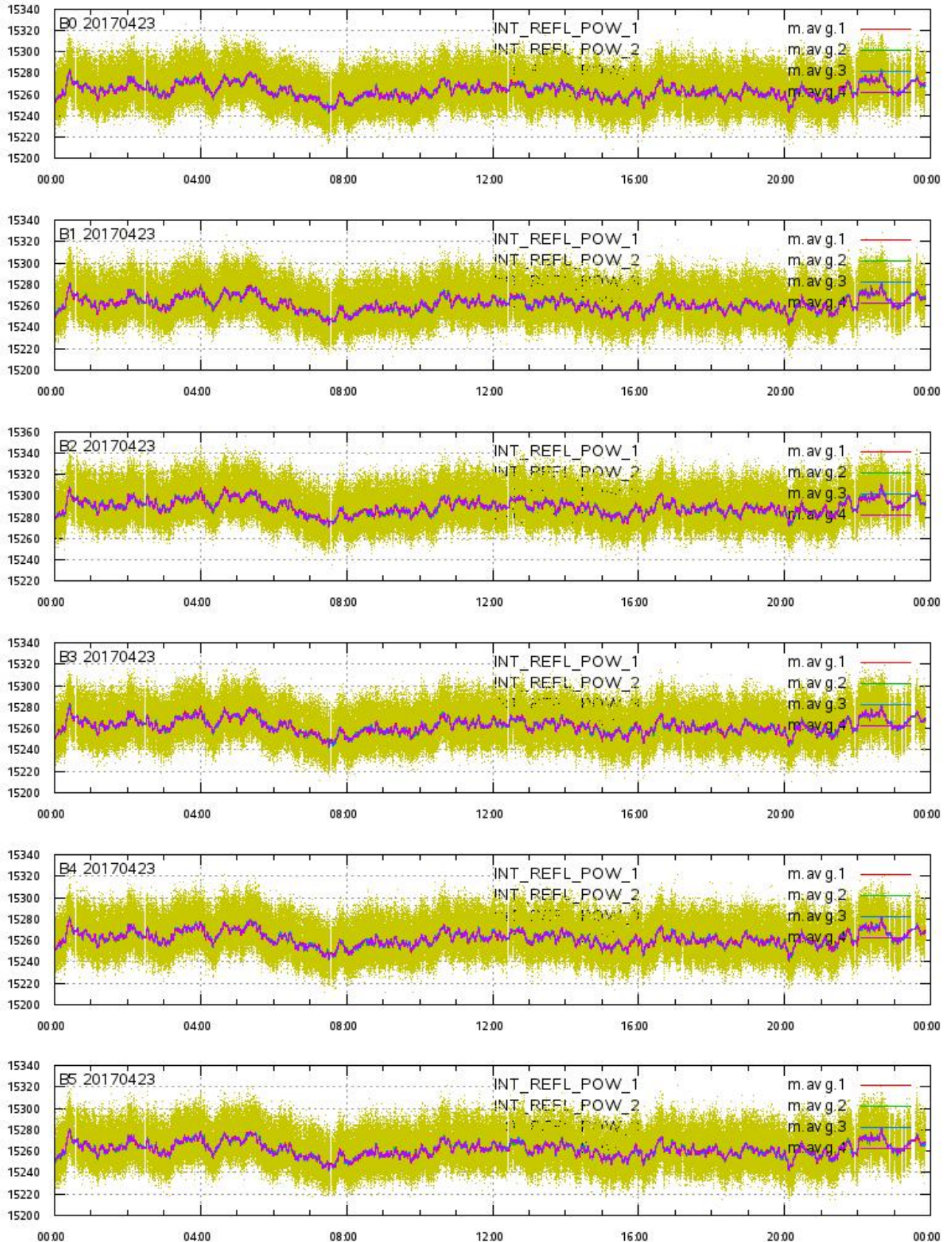
L1A Product

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



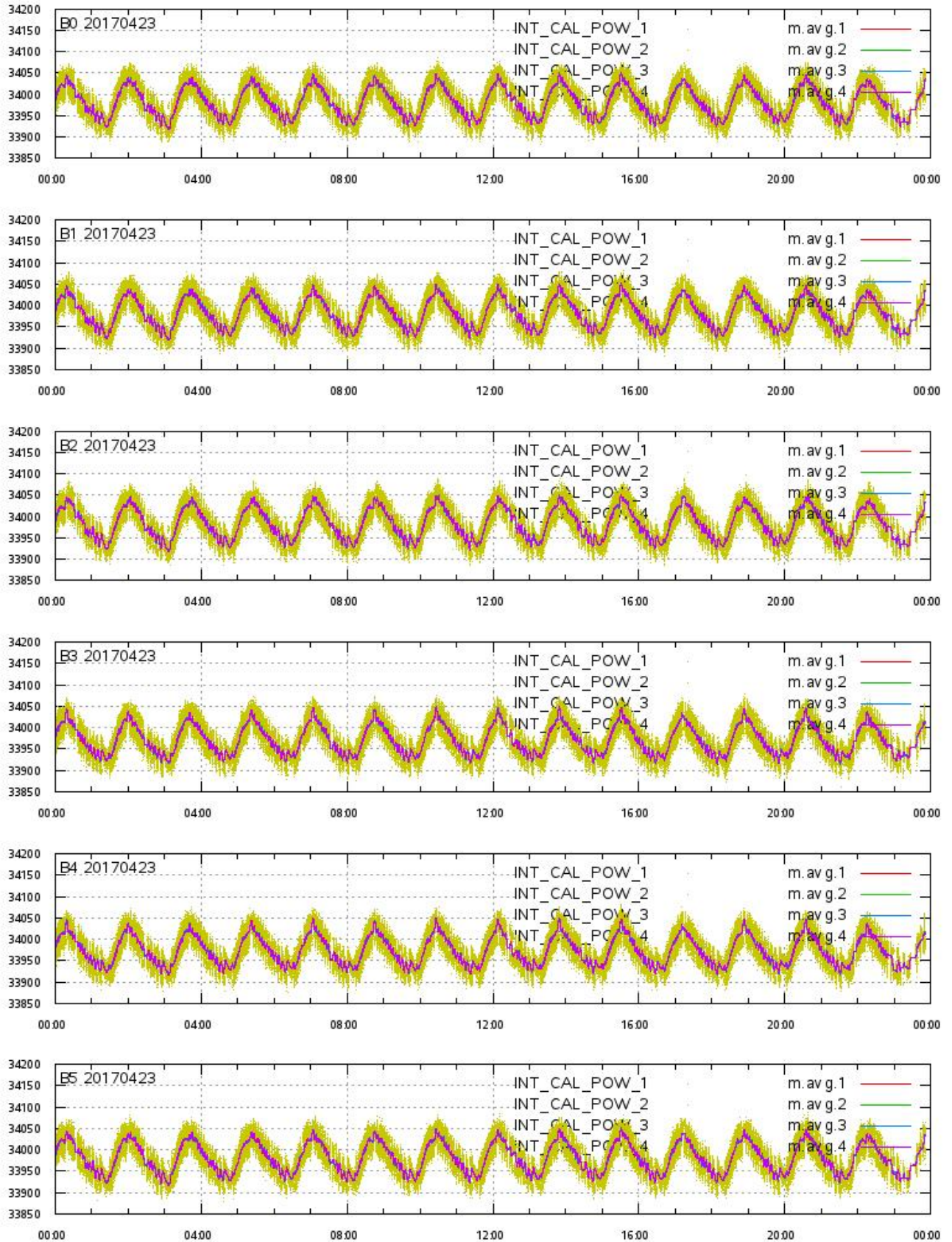
L1A Product

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



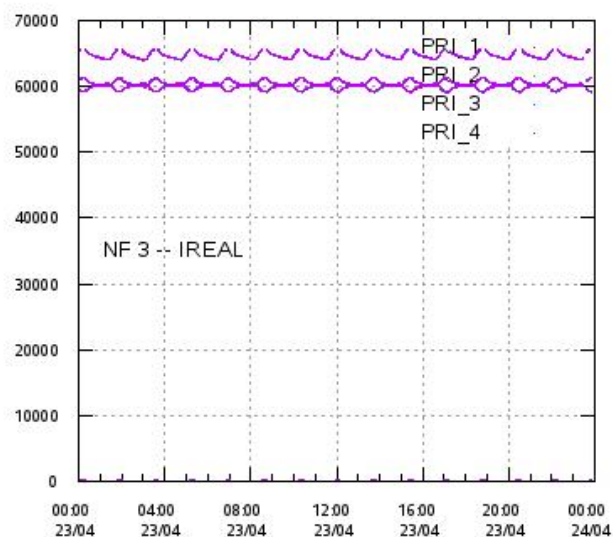
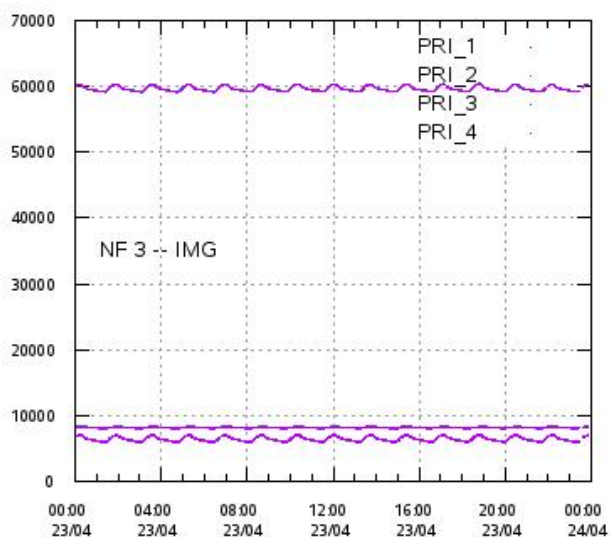
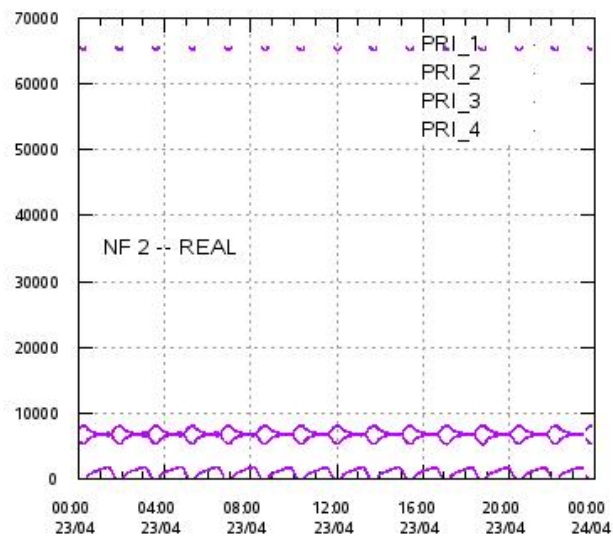
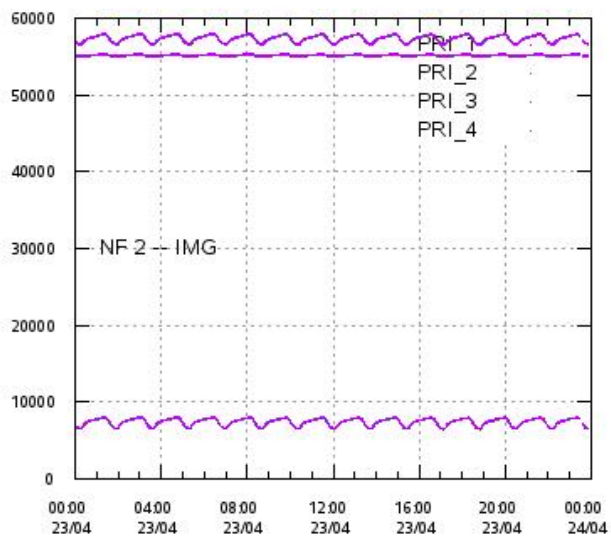
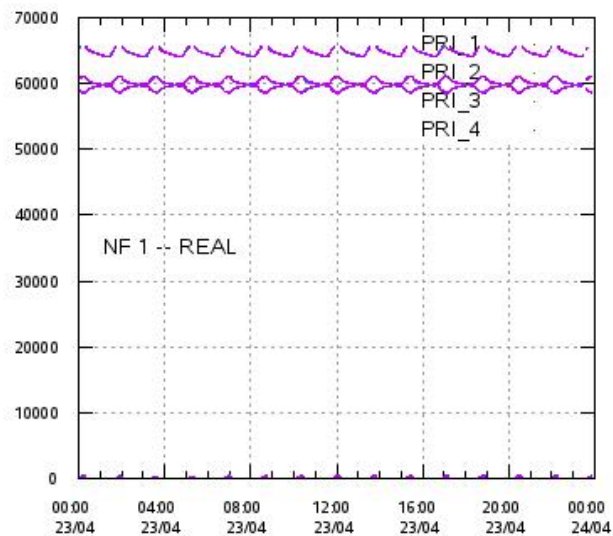
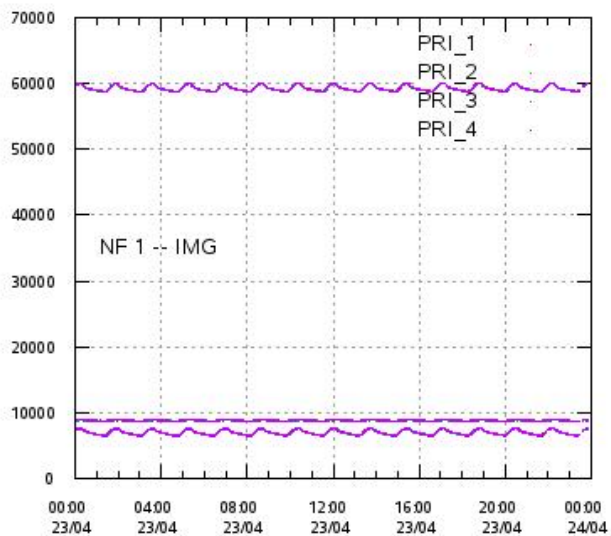
L1A Product

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



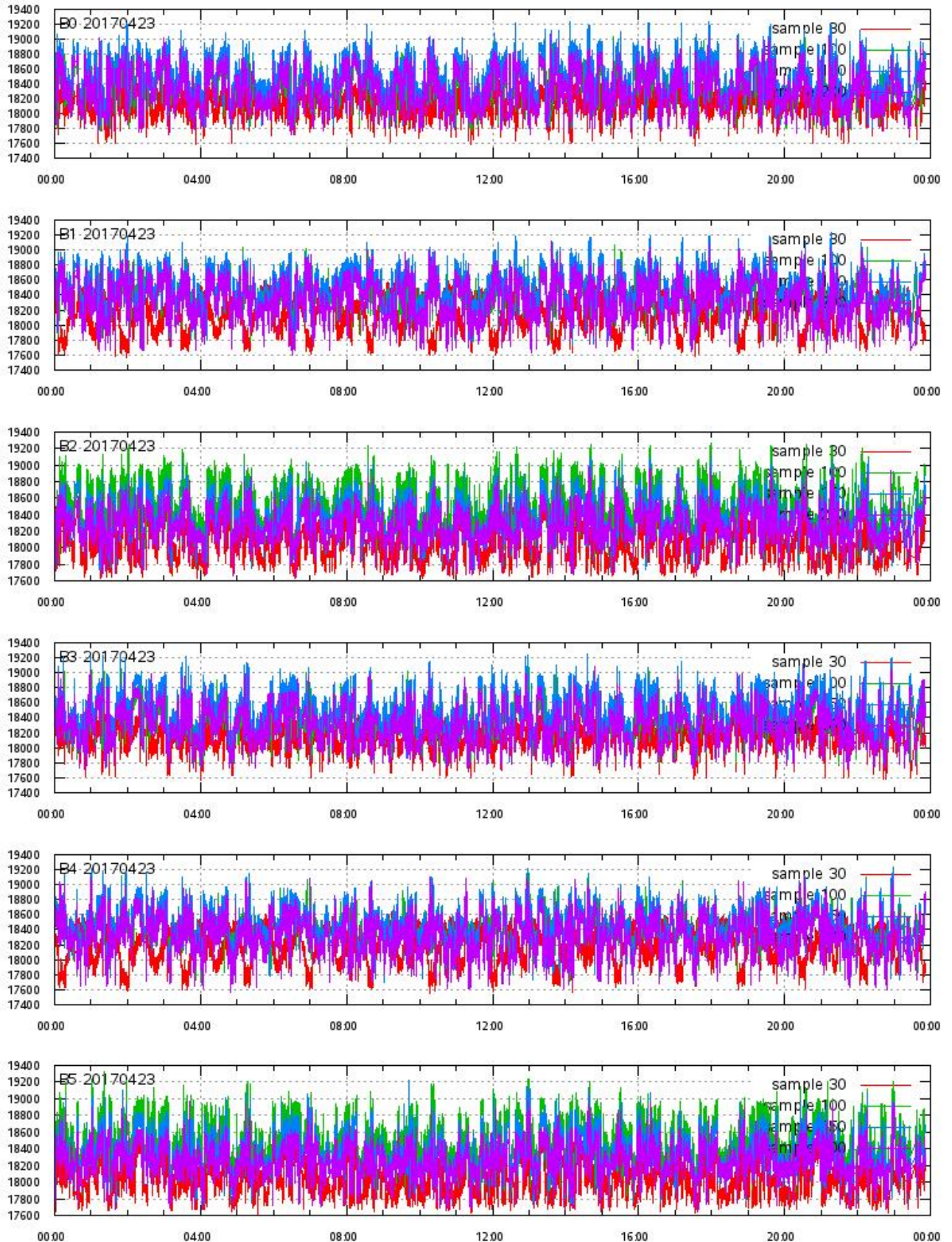
L1A Product

Calibration Powers vs. UTC_LOCALISATION



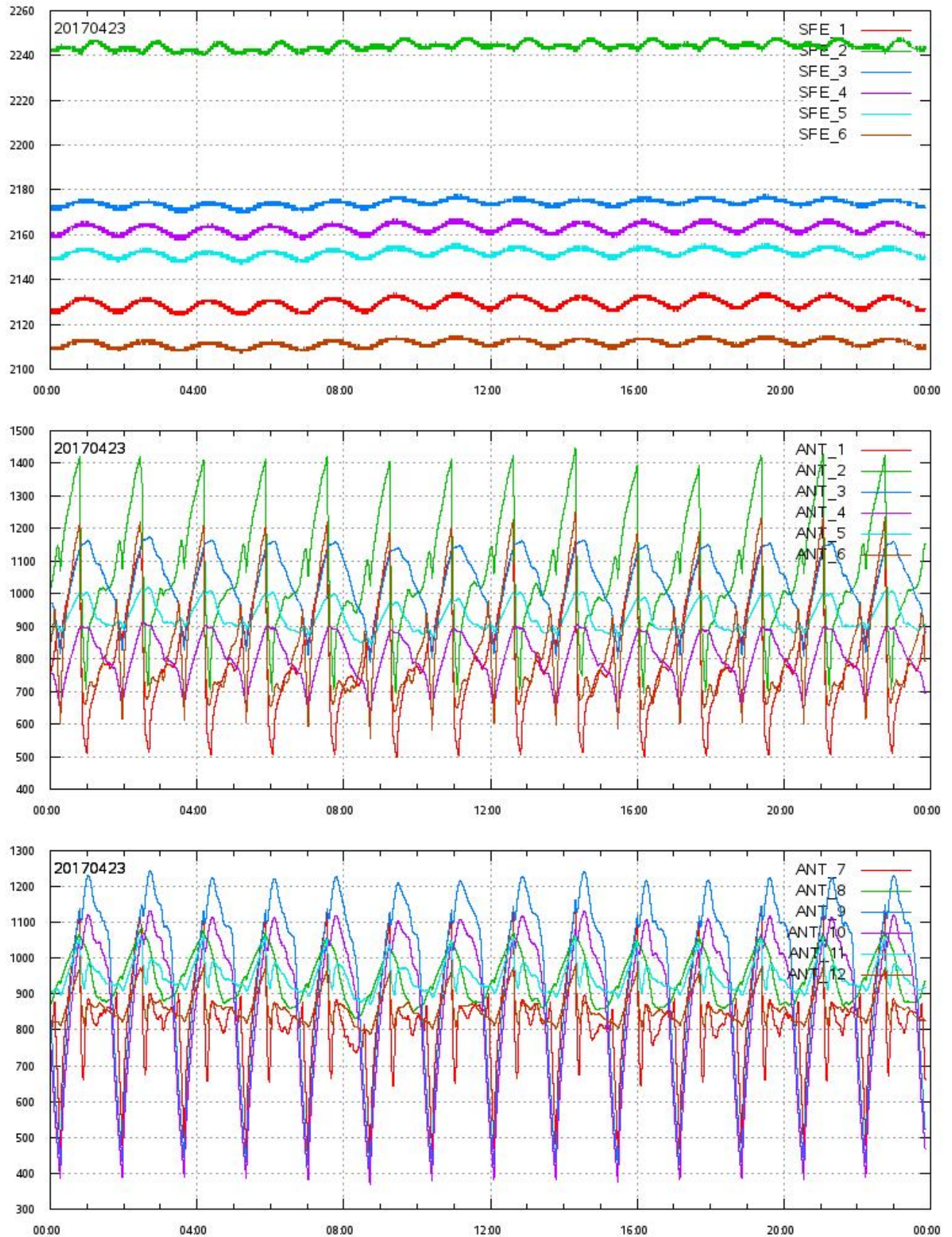
L1A Product

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



L1A Product

SFE & ANT Temperatures (raw) vs. UTC_LOCALISATION

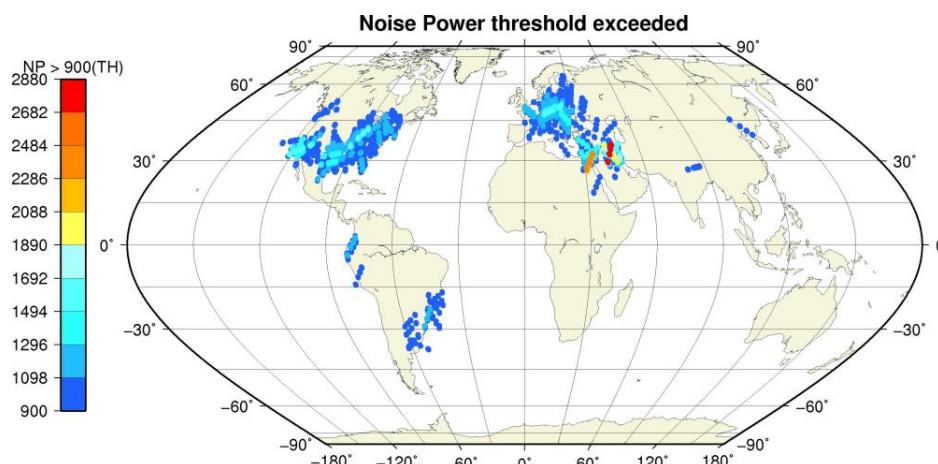
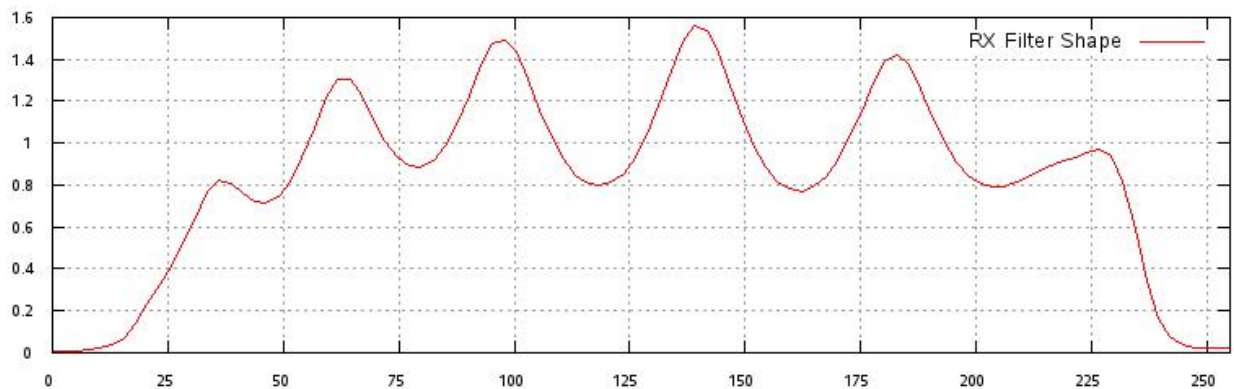
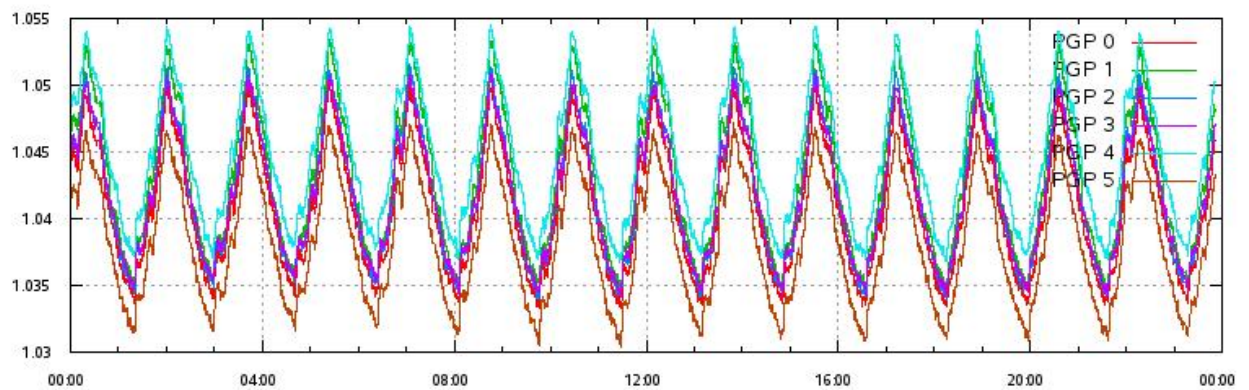
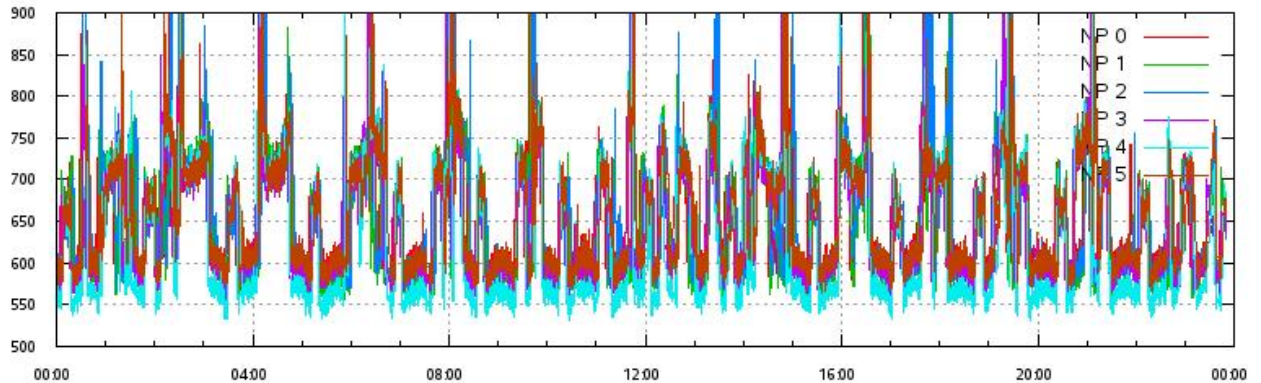


L1A Product

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

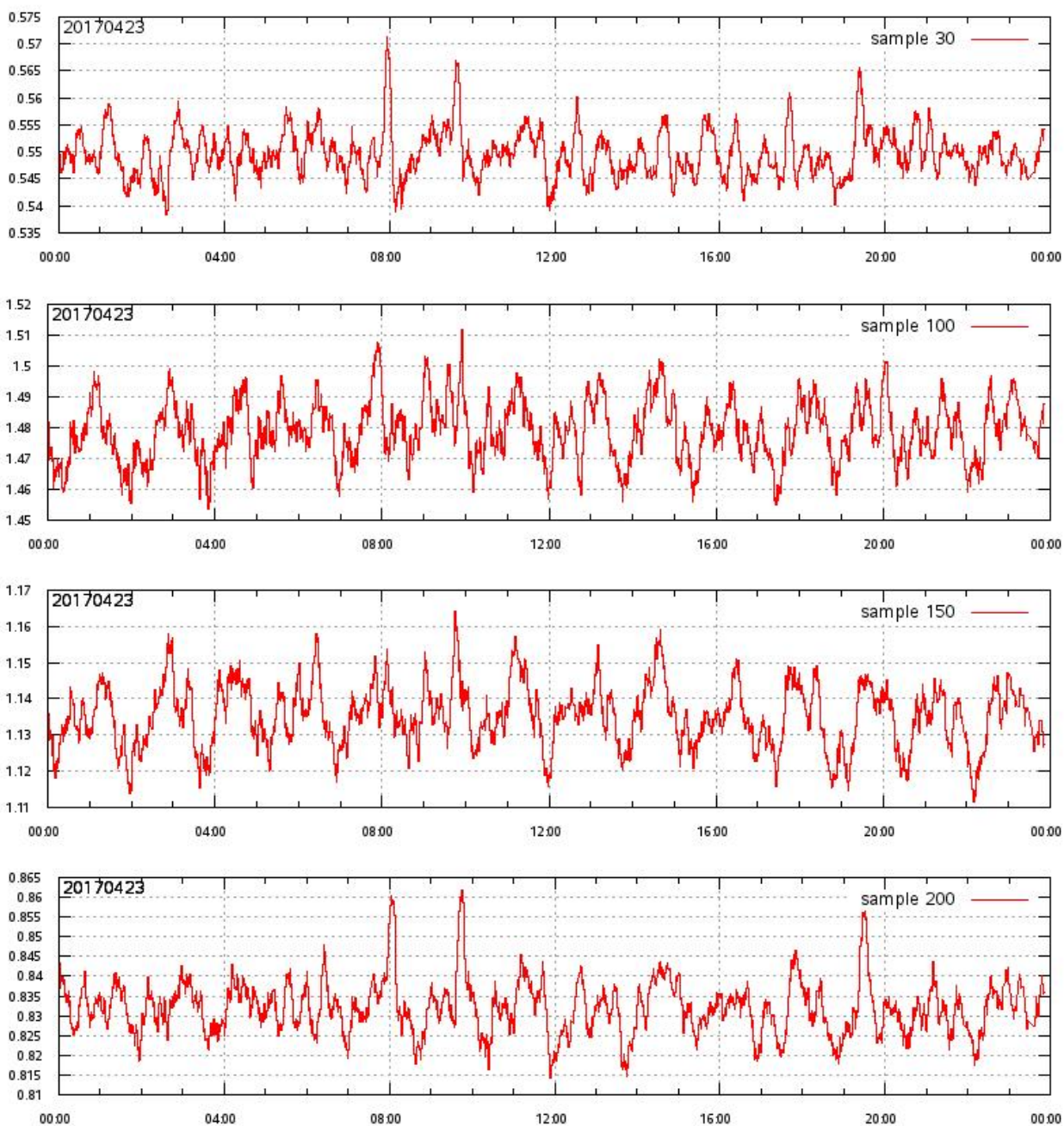
RX Filter Shape average over sample number

Noise Power threshold exceeded (TH=900) on map



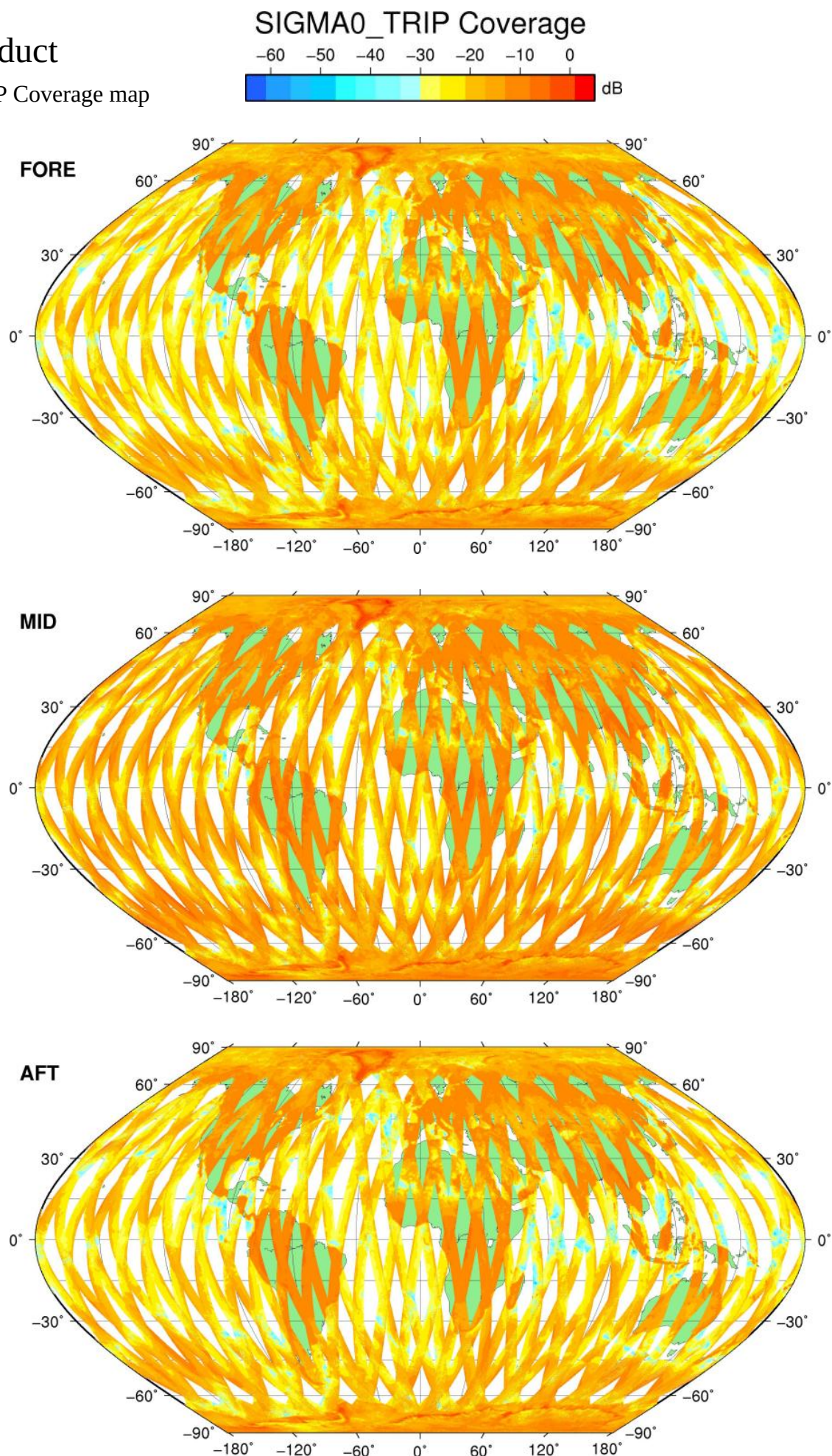
L1A Product

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



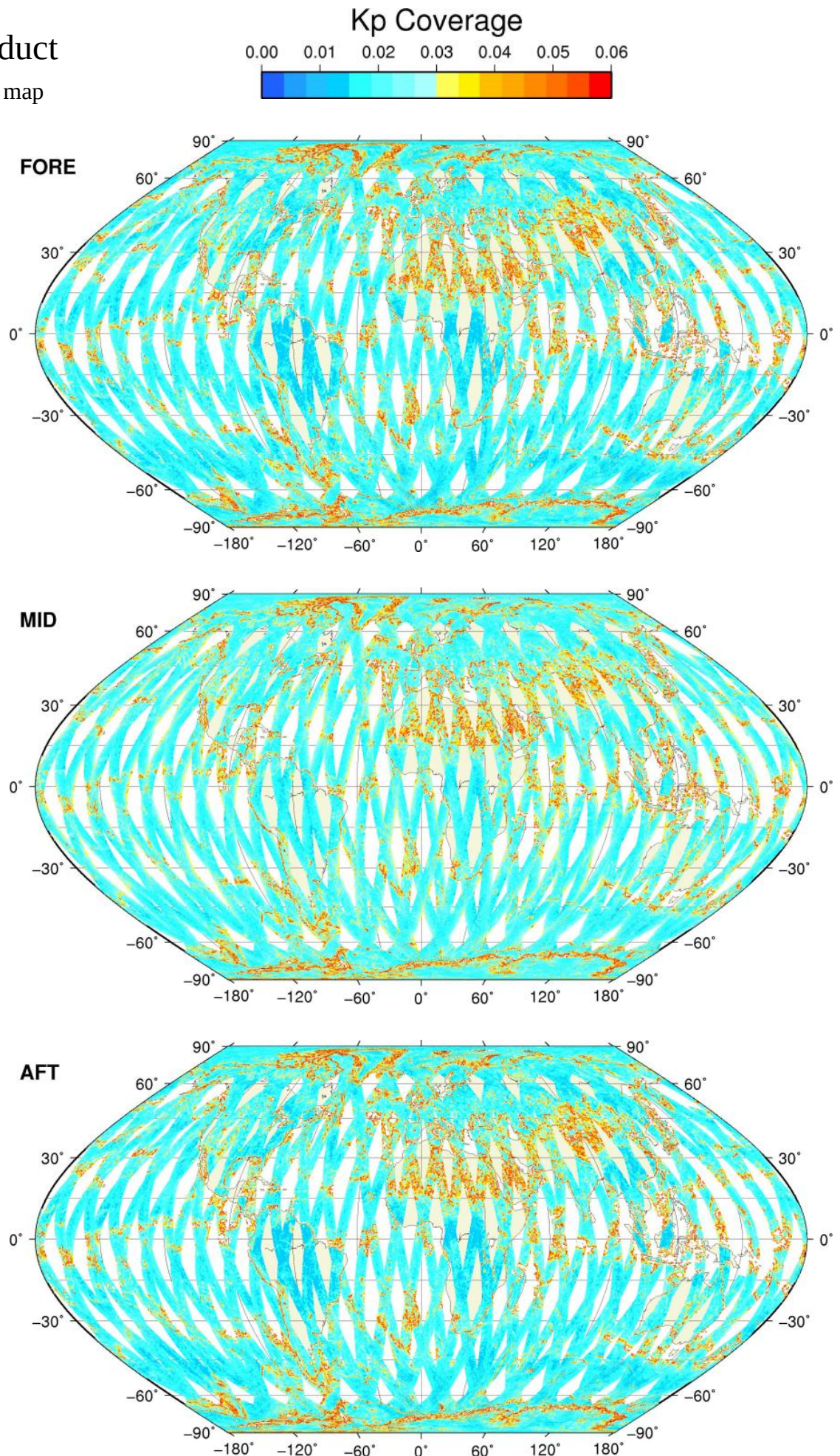
SZO Product

Sigma0_TRIP Coverage map



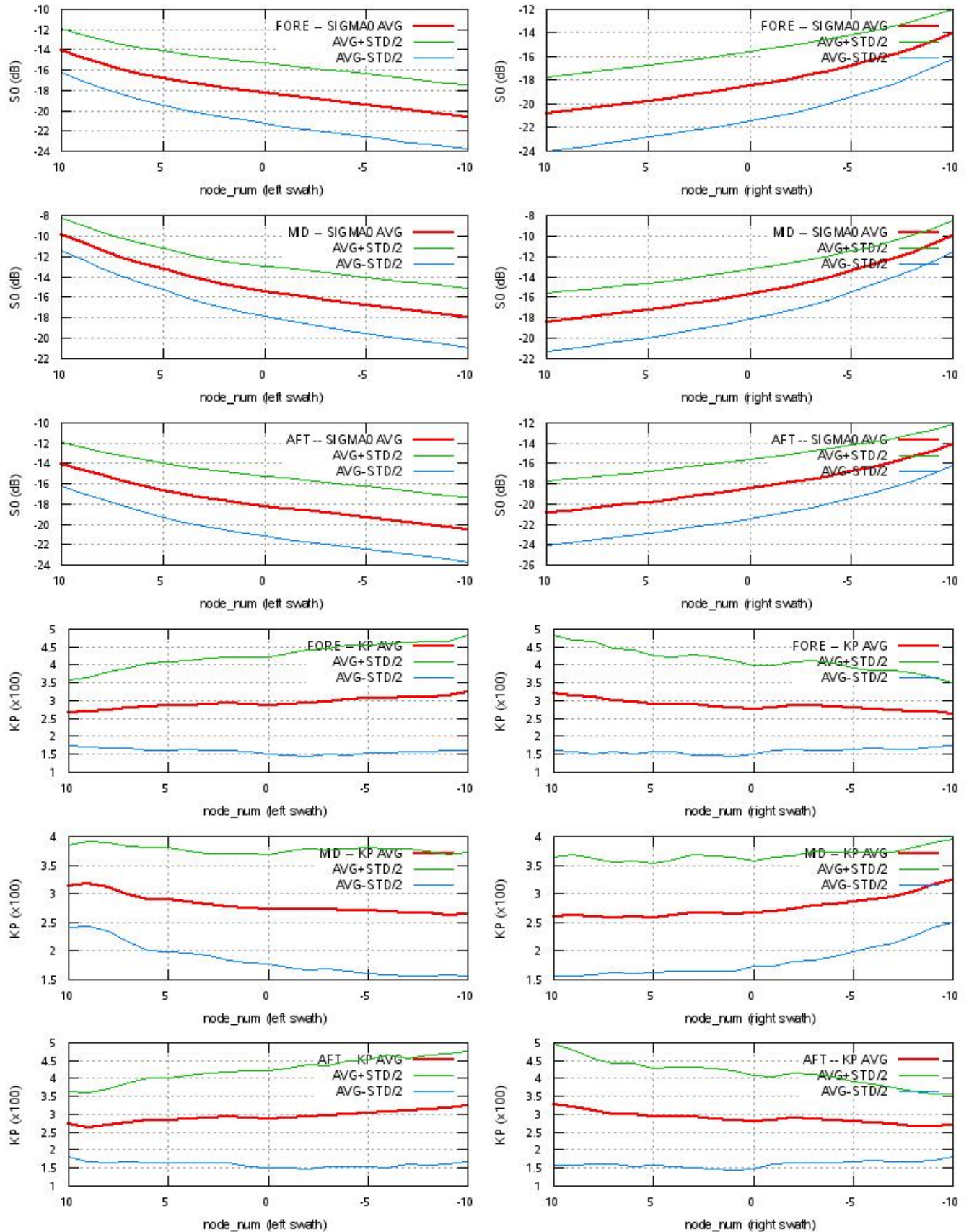
SZO Product

Kp Coverage map



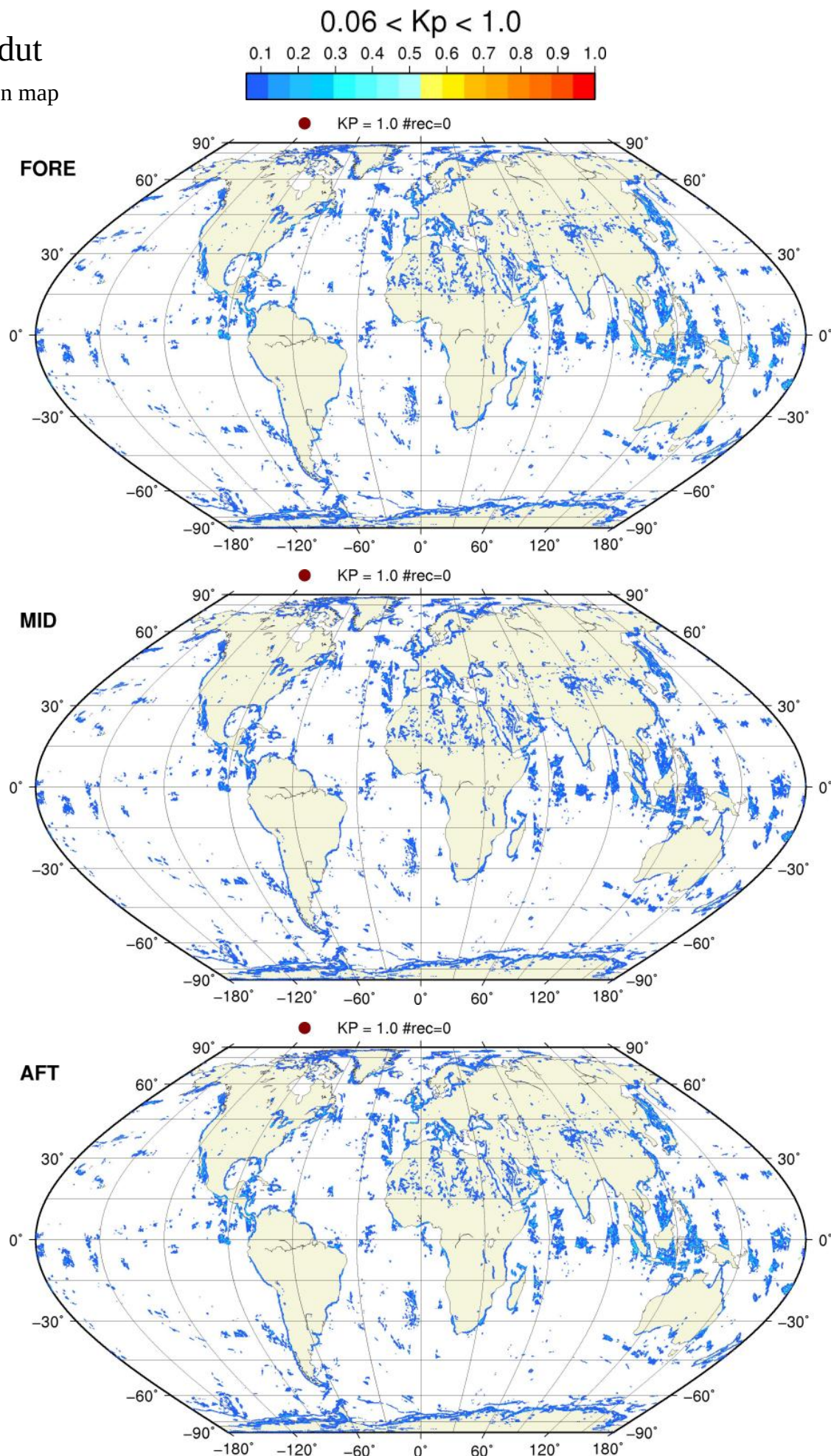
SZO Product

S0 - Kp Statistics



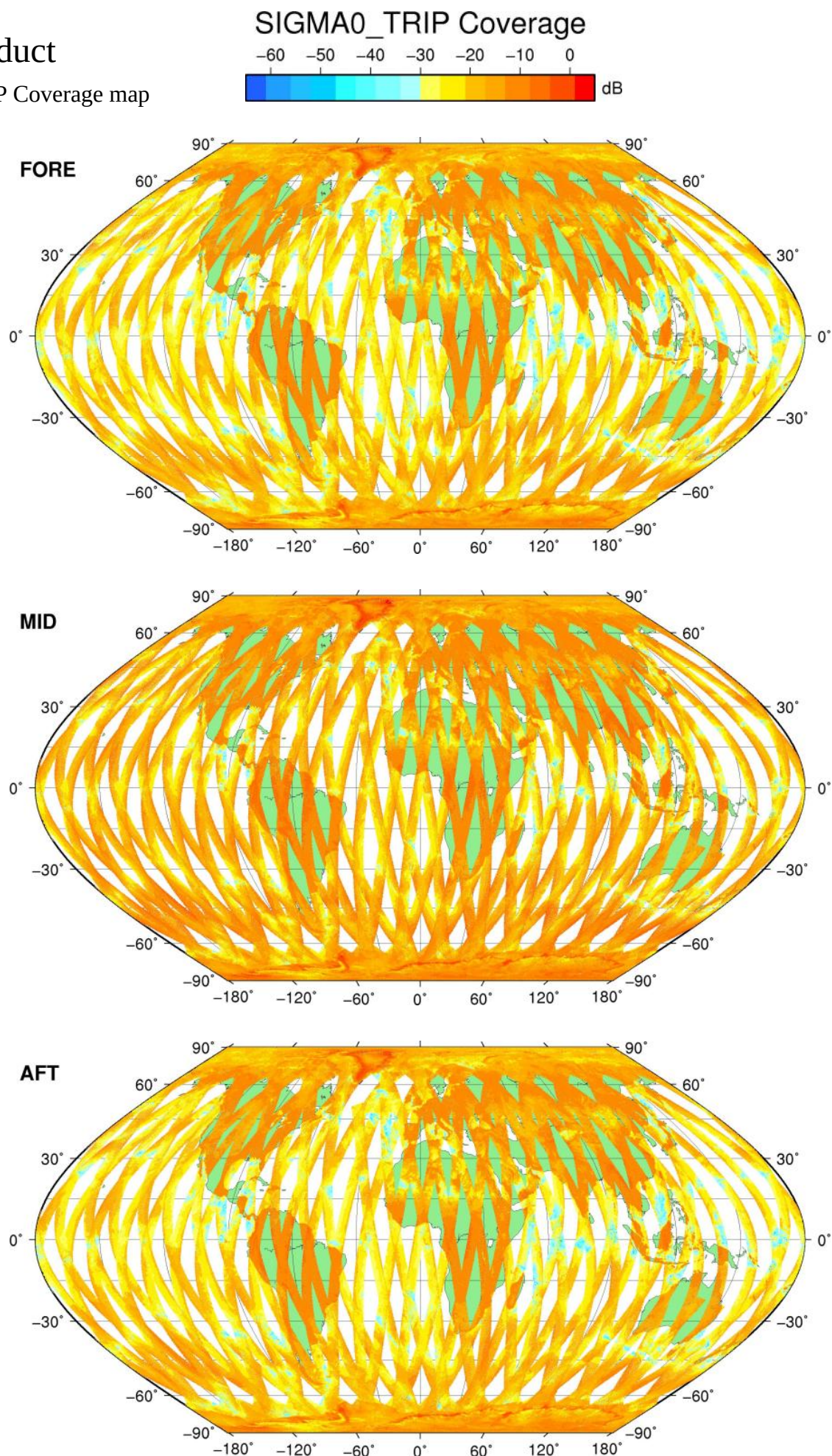
SZO Product

Kp Outliers on map



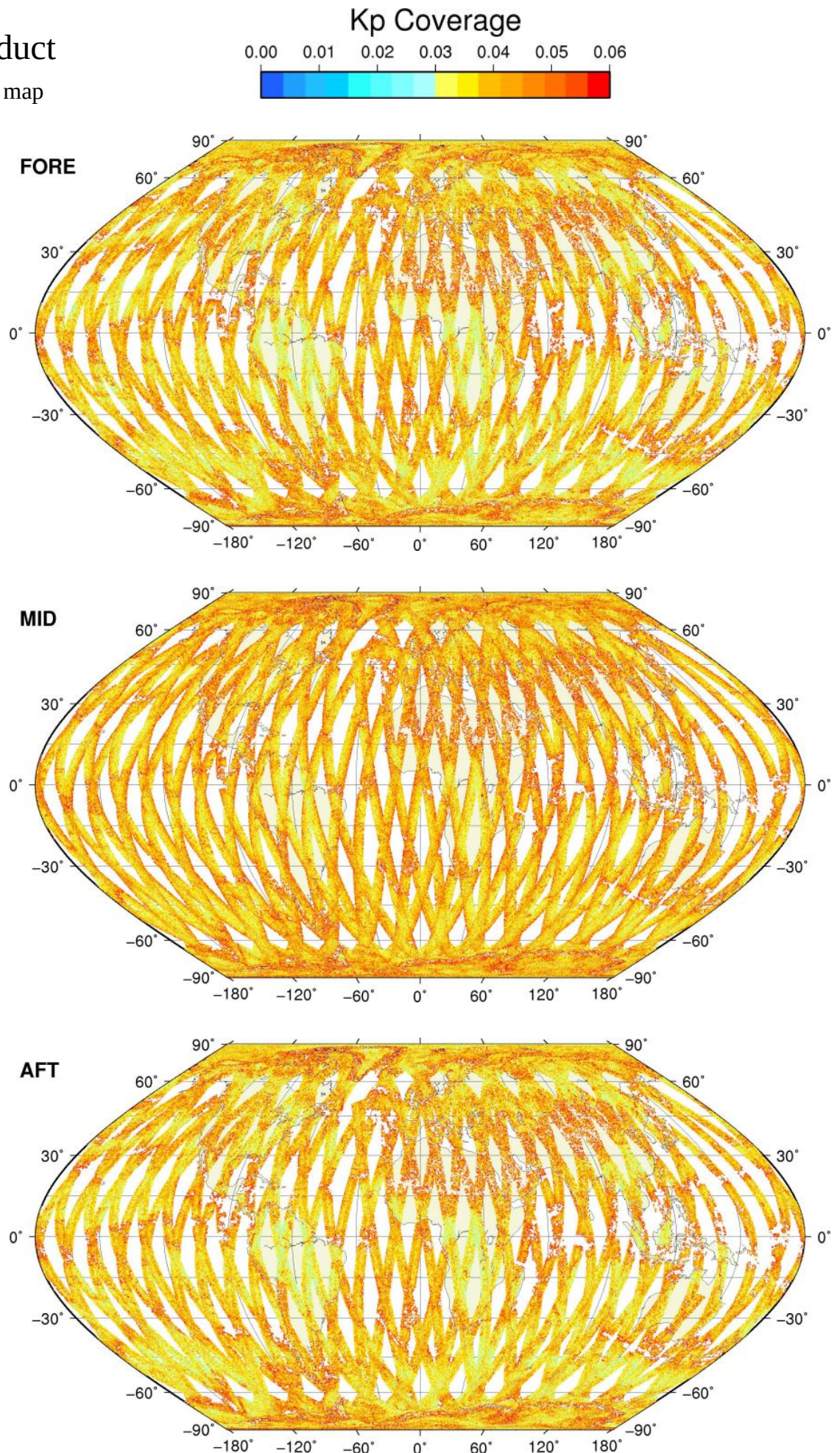
SZR Product

Sigma0_TRIP Coverage map



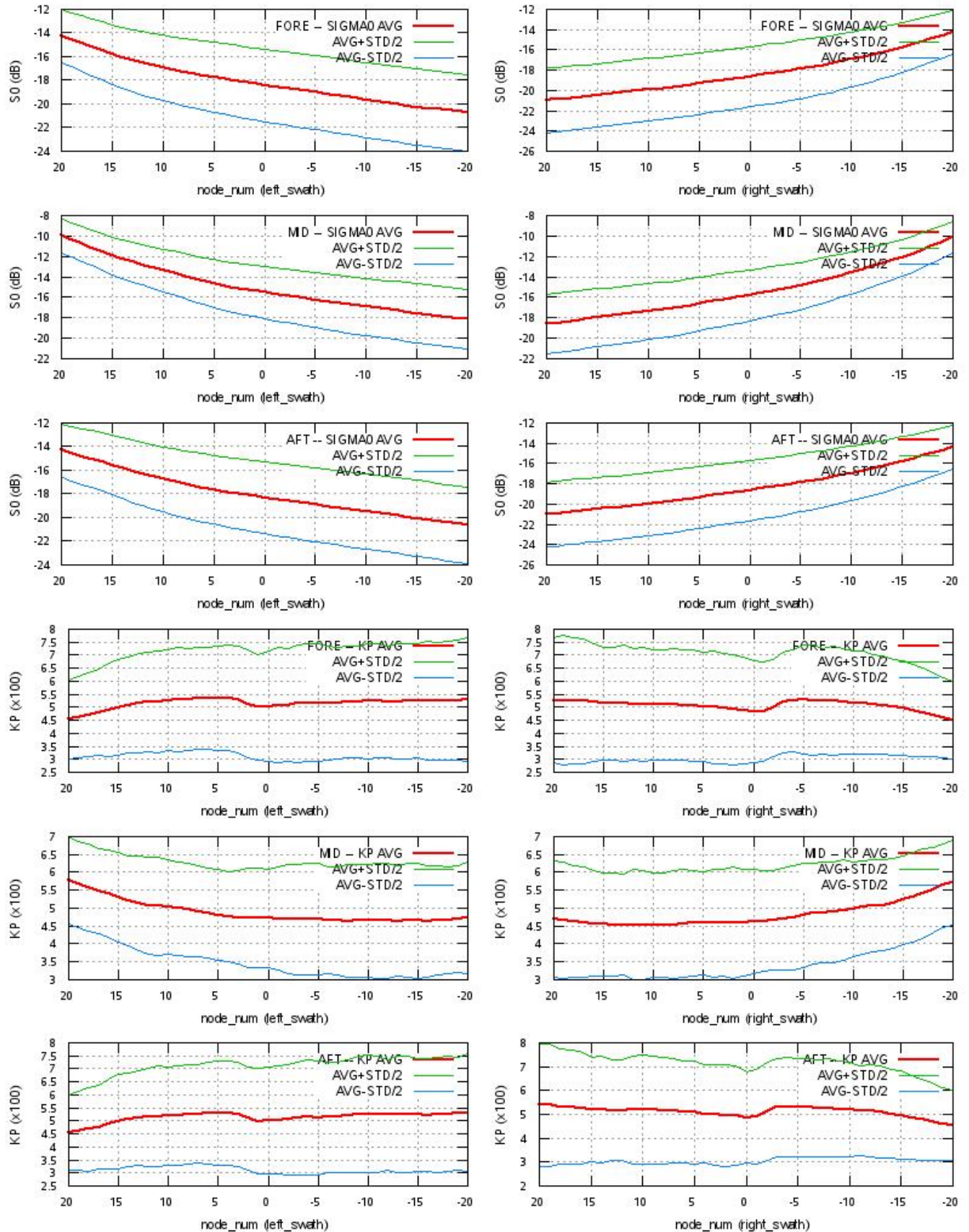
SZR Product

Kp Coverage map



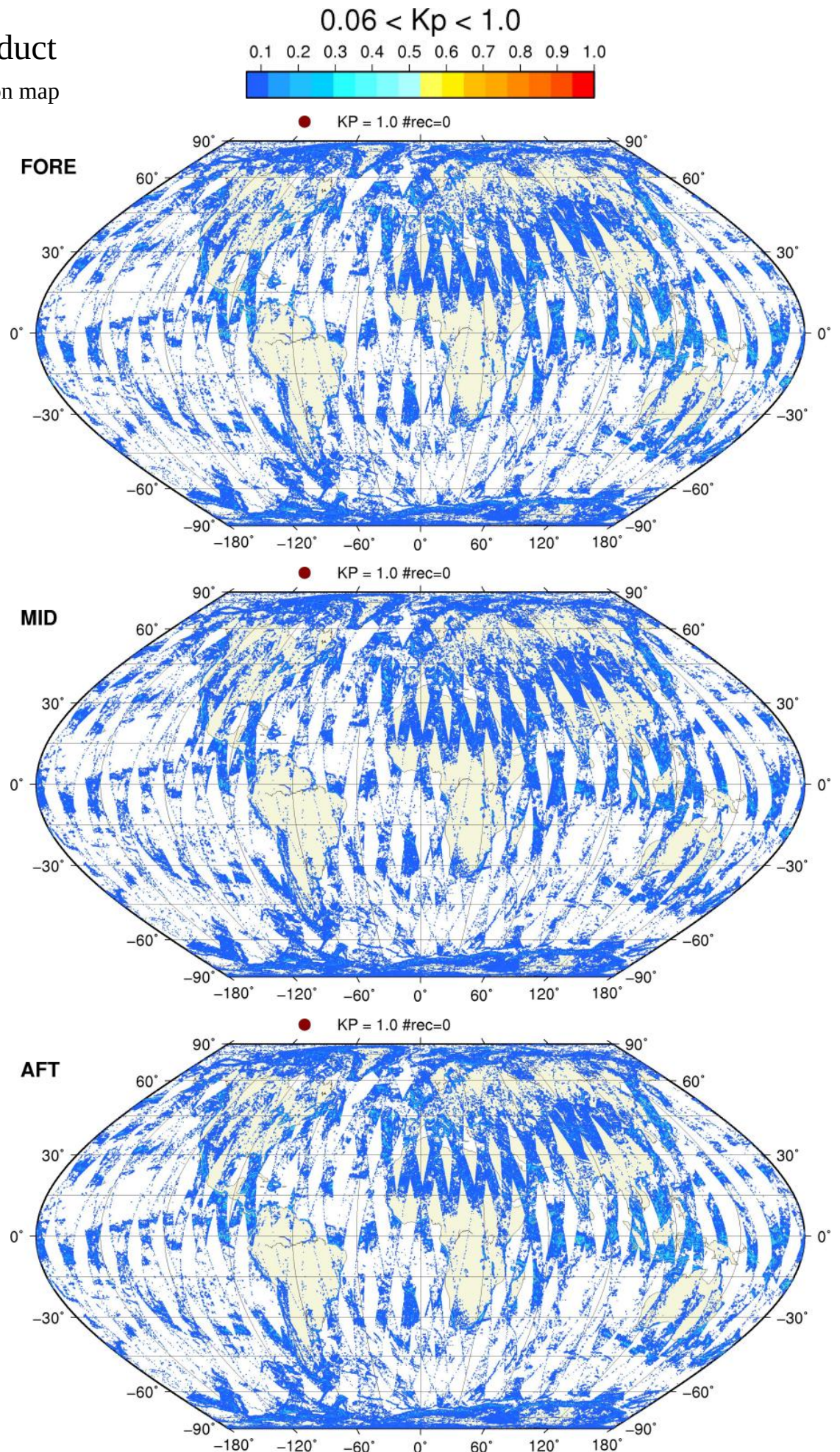
SZR Product

S0 - Kp Statistics



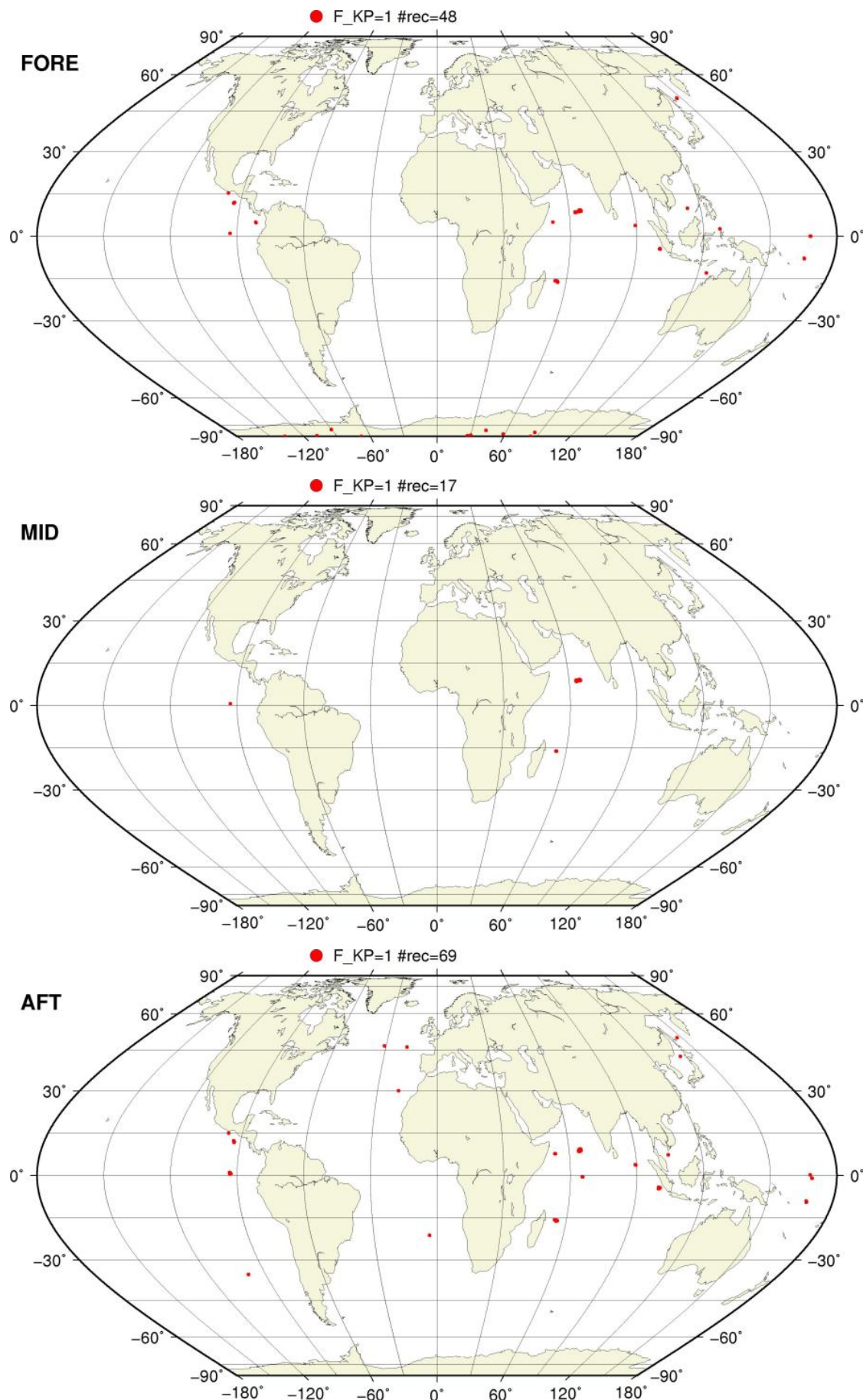
SZR Product

Kp Outliers on map



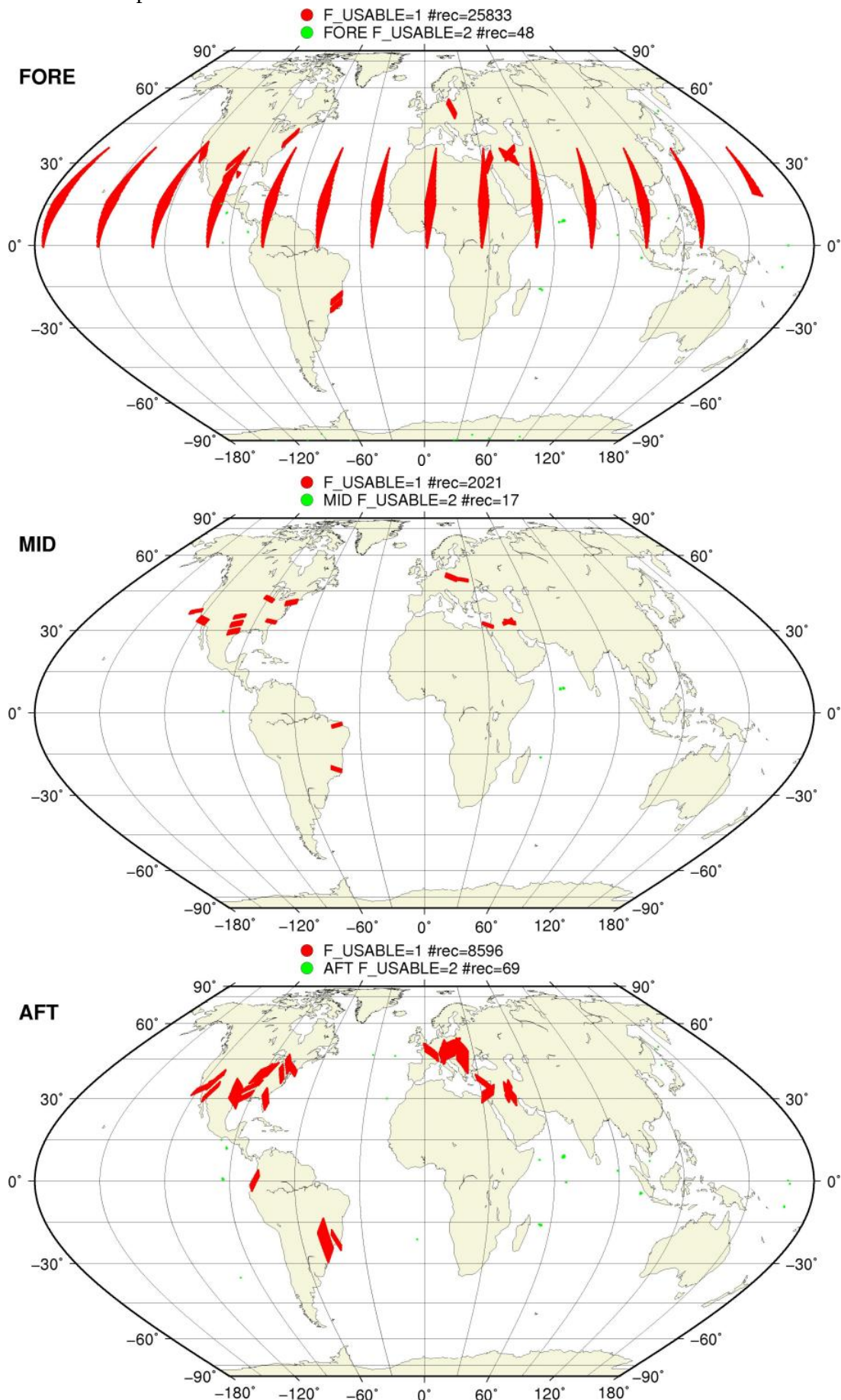
SZO Flagged Data Coverage

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



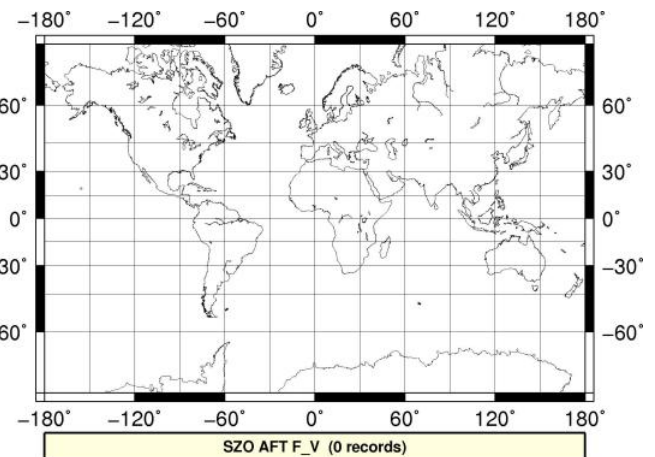
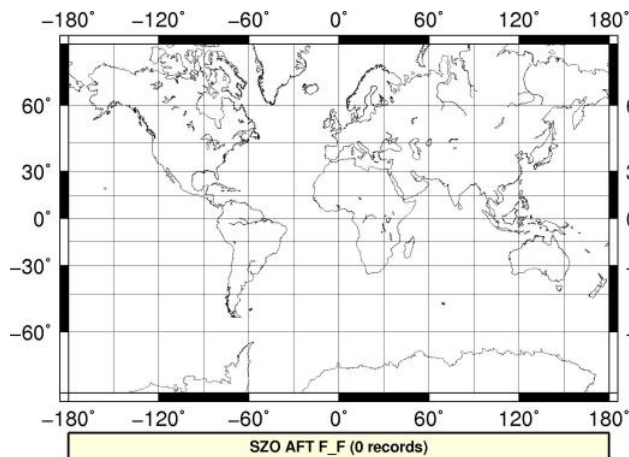
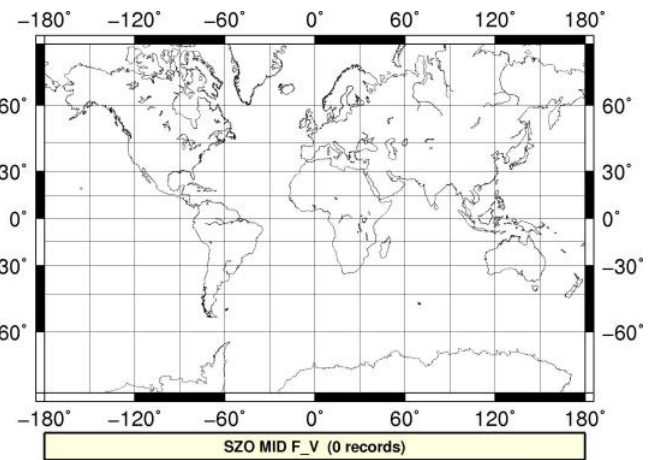
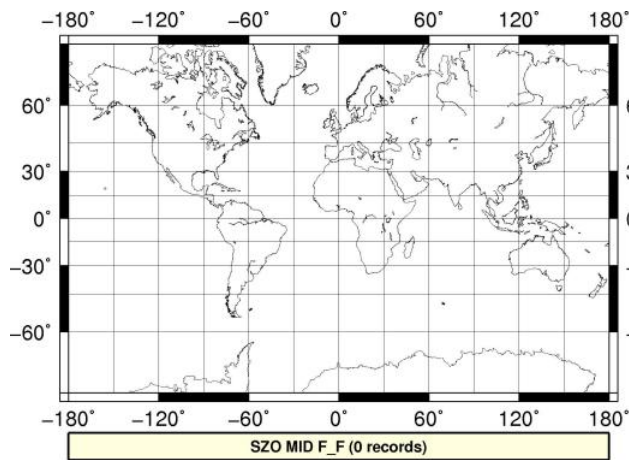
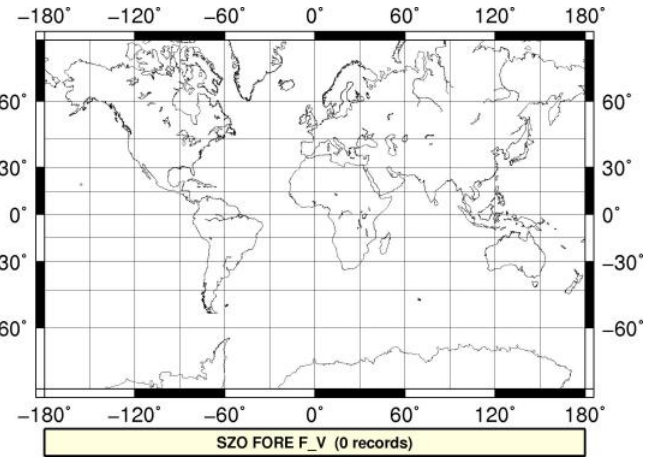
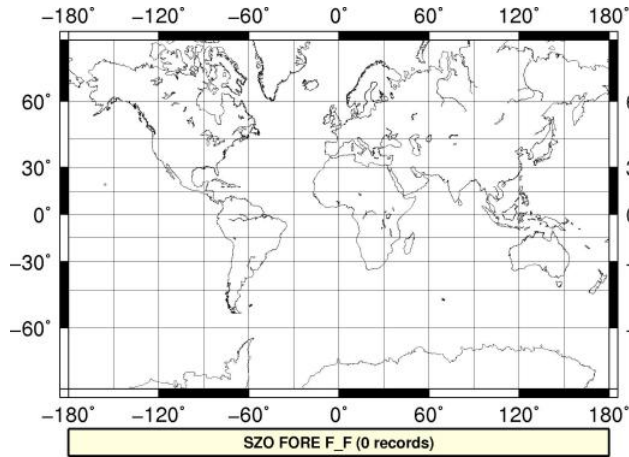
SZO Flagged Data Coverage

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

$0 < F_F \leq 1$

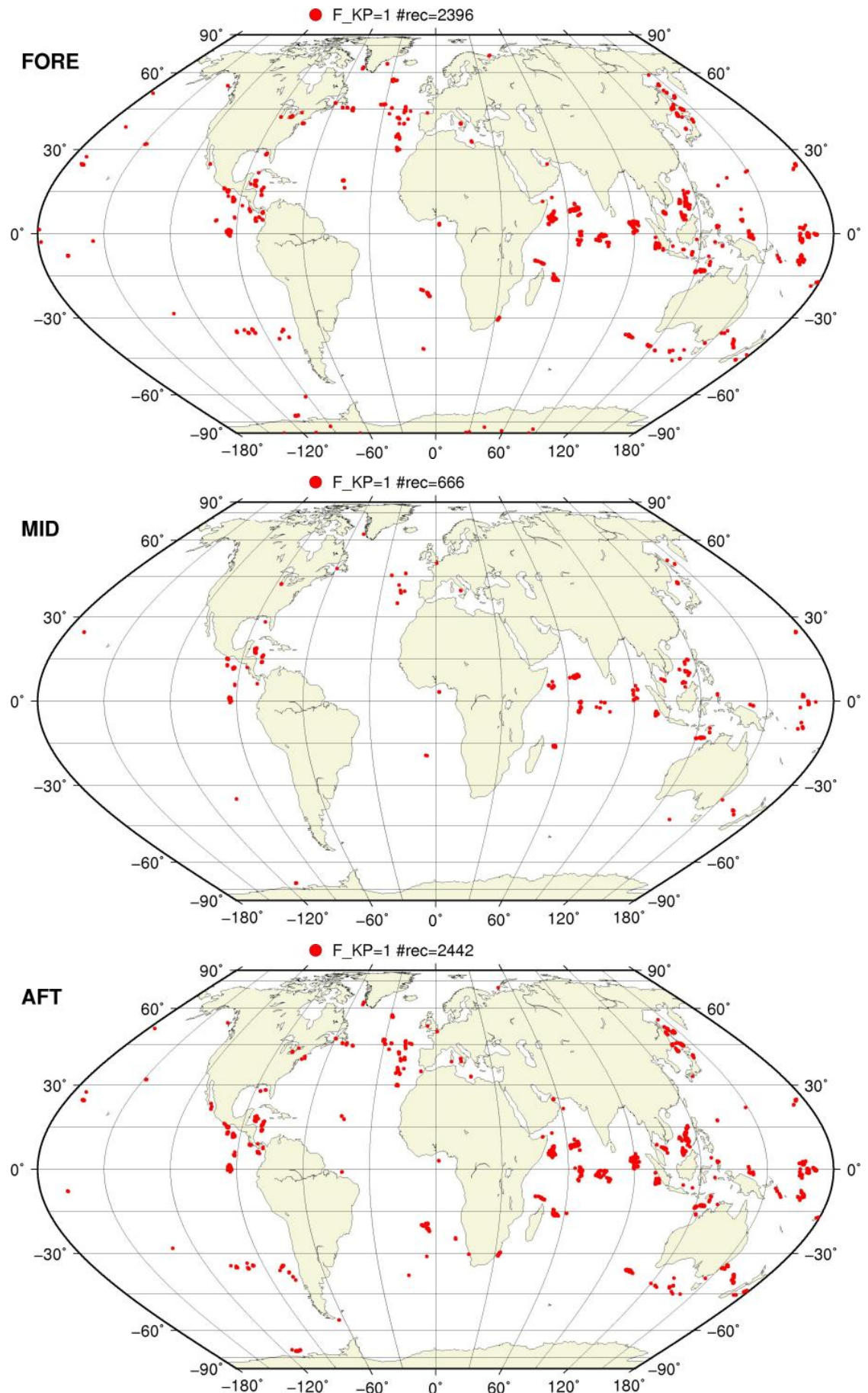


$0 < F_V \leq 1$



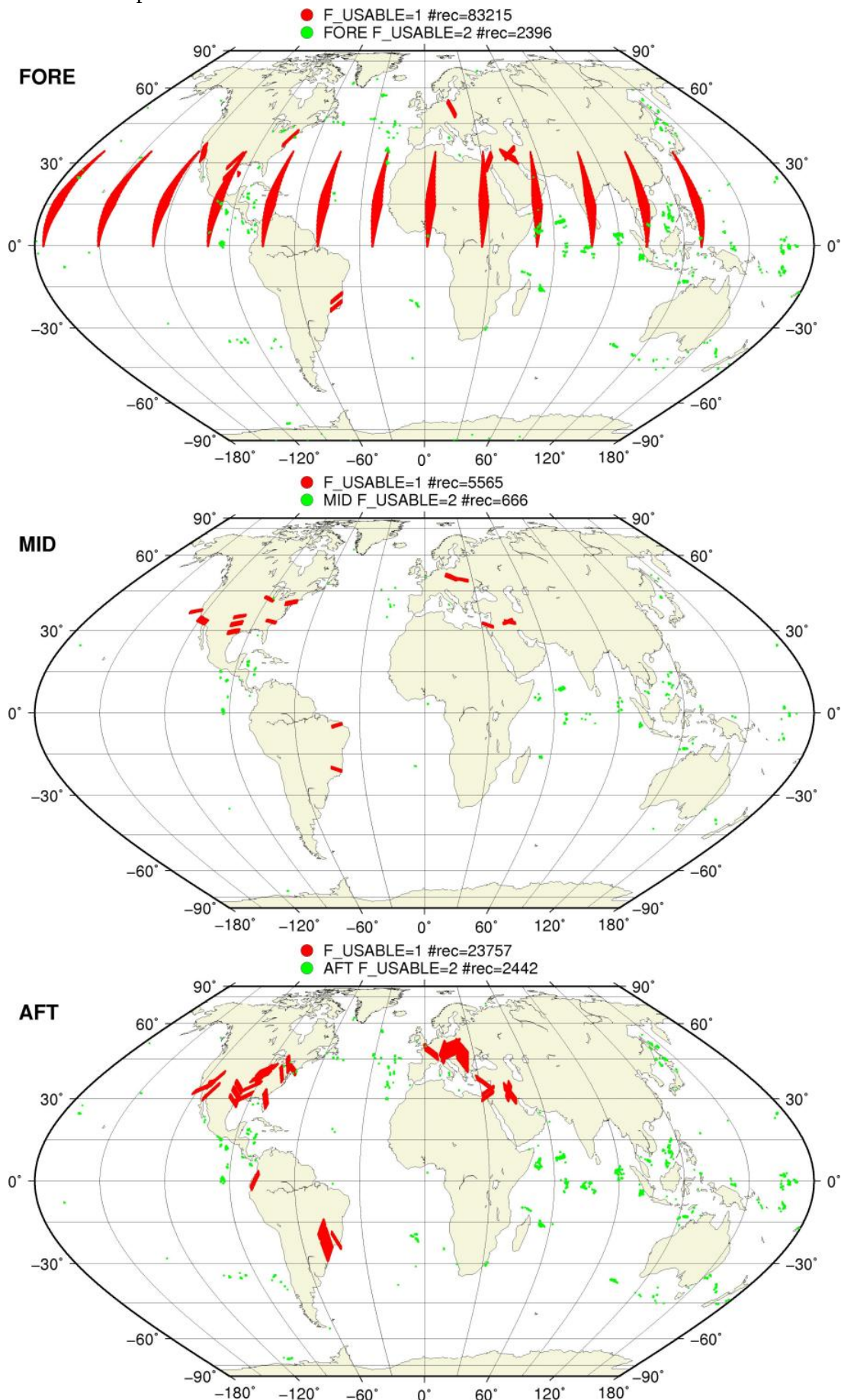
SZR Flagged Data Coverage

F_KP = 1 on map



SZR Flagged Data Coverage

F_USABLE = 1 or 2 on map



SZR Flagged Data Coverage

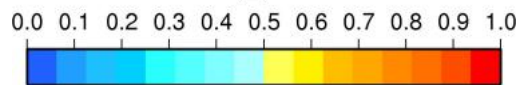
$0 < F_{OA} \leq 1$ on map



SZR Flagged Data Coverage

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

$0 < F_F \leq 1$



$0 < F_V \leq 1$

