

ASCAT DAILY Report

Metop-A

OPE

DAY 2018_223

20180811000000 - 20180811235959

DATA STATISTICS

BASED ON ORBITS (#14)

61278 61279 61280 61281 61282 61283 61284 61285 61286 61287 61288 61289 61290
61291 61292

T. a. . b/ASCA_IRP_M02_2ŸóASCA_IRP_M02_2,ŸASCA_IRP_M02_2kÂASCA_IRP_M02_2p, ASCA_IRP_M02_2
ASCA_IRP_M02_24‡ASCA_IRP_M02_2pWASCA_IRP_M02_27ŇASCA_IRP_M02_2© ASCA_IRP_M02_2!{ASCA_IRP_M02_2k ASCA_IRP_M02_2
JASCA_IRP_M02_2•yASCA_IRP_M02_2Ÿ ASCA_IRP_M02_2Ÿ<ASCA_IRP_M02_2ÜüASCA_IRP_M02_2Ÿ½ASCA_IRP_M02_2Q ASCA_IRP_M02_2
ASCA_IRP_M02_2k‡ASCA_IRP_M02_24\$ASCA_IRP_M02_24^ASCA_IRP_M02_24lASCA_IRP_M02_2Ÿ|ASCA_IRP_M02_2,±ASCA_IRP_M02_2
«ASCA_IRP_M02_2» ASCA_IRP_M02_24PASCA_IRP_M02_2 âASCA_IRP_M02_2ÜíASCA_IRP_M02_2p"ASCA_IRP_M02_2k#ASCA_IRP_M02_2
ASCA_IRP_M02_2- :ASCA_IRP_M02_2 •ASCA_IRP_M02_2 1ASCA_IRP_M02_2pQASCA_IRP_M02_2²™ASCA_IRP_M02_2 ØASCA_IRP_M02_2
ASCA_IRP_M02_2kbASCA_IRP_M02_2pµASCA_IRP_M02_2,ASCA_IRP_M02_2Ÿ ASCA_IRP_M02_2^kASCA_IRP_M02_2ižASCA_IRP_M02_2
ASCA_IRP_M02_2e"ASCA_IRP_M02_2pDASCA_IRP_M02_2,kASCA_IRP_M02_2,•ASCA_IRP_M02_2¥ ASCA_IRP_M02_2k-ASCA_IRP_M02_2
ASCA_IRP_M02_2ŸPASCA_IRP_M02_2 ¹ASCA_IRP_M02_24rASCA_IRP_M02_2Ÿ7ASCA_IRP_M02_2pVASCA_IRP_M02_2Ÿ ASCA_IRP_M02_2

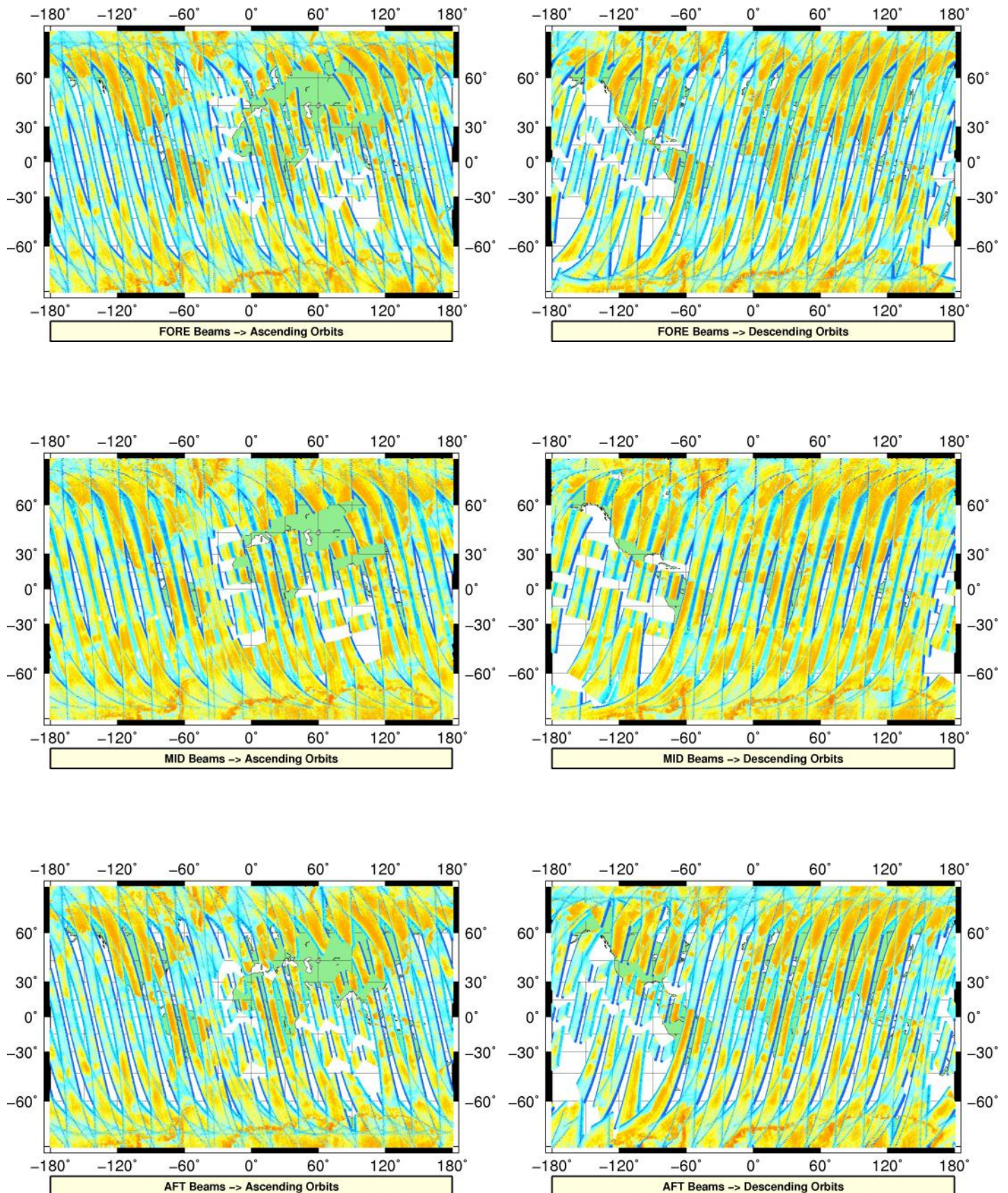
Overview

Configuration and SPHR content

Parameter	Value
SENSING START-STOP	20180811000000 - 20180811235959
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	487053
N_L1A_MDR_B0	81174
N_L1A_MDR_B1	81178
N_L1A_MDR_B2	81174
N_L1A_MDR_B3	81177
N_L1A_MDR_B4	81173
N_L1A_MDR_B5	81177
N_GAPS	0
TOTAL_GAPS_SIZE	0
N_HKTM_PACKETS_RECEIVED	12893
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	878479
N_F_LAND	38836665
N_F_GEO	2606617
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

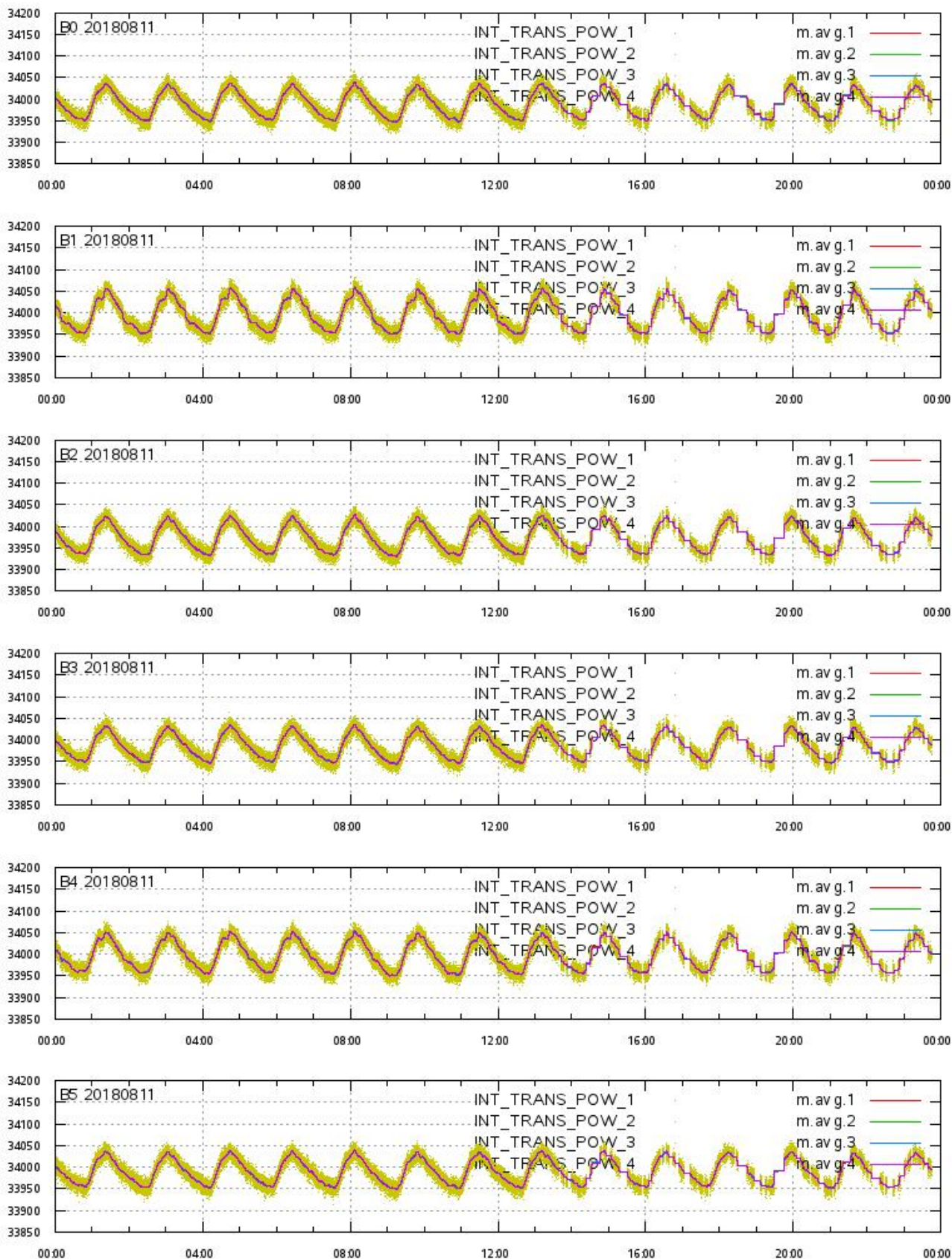
L1A Product

Echo Data Coverage maps



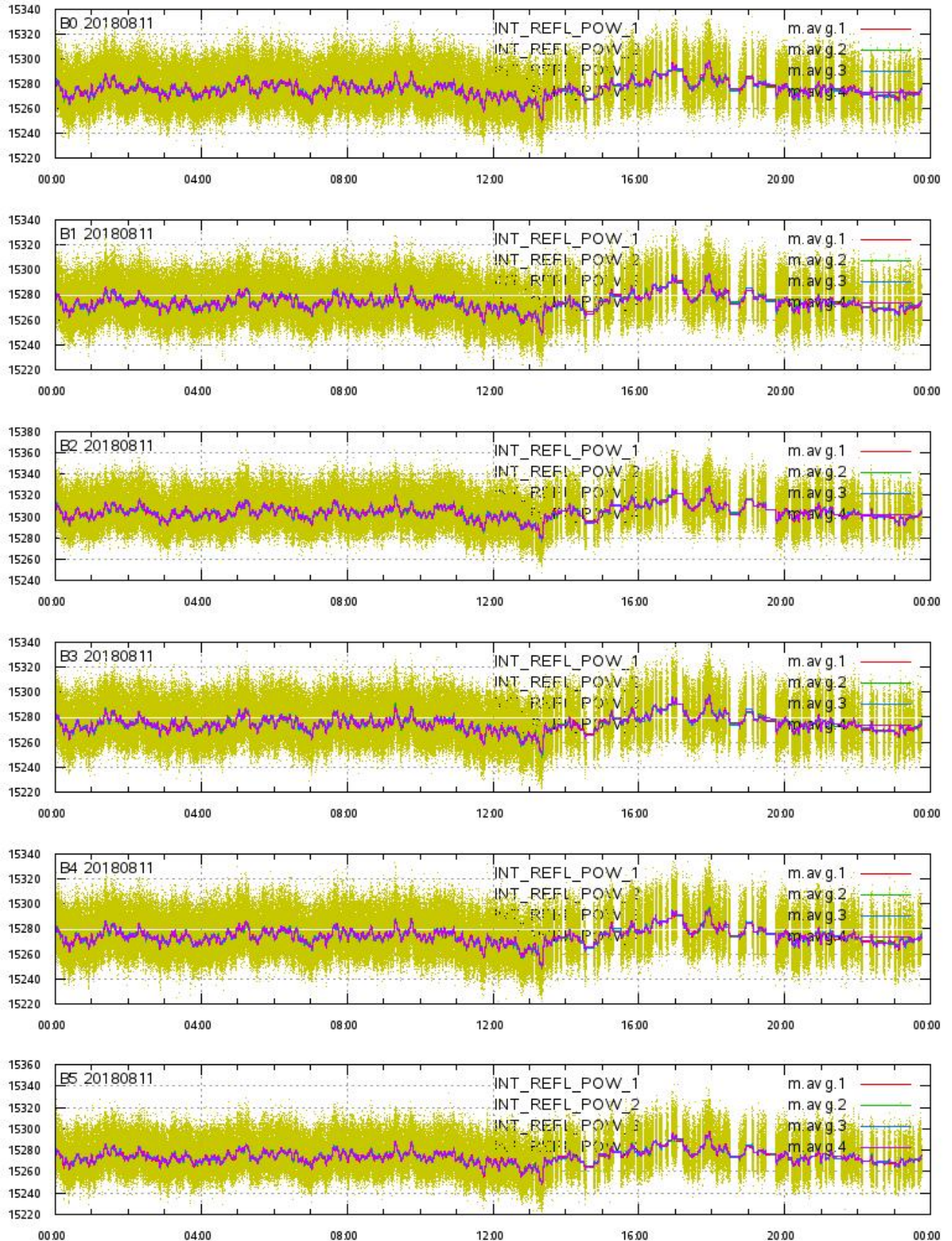
L1A Product

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



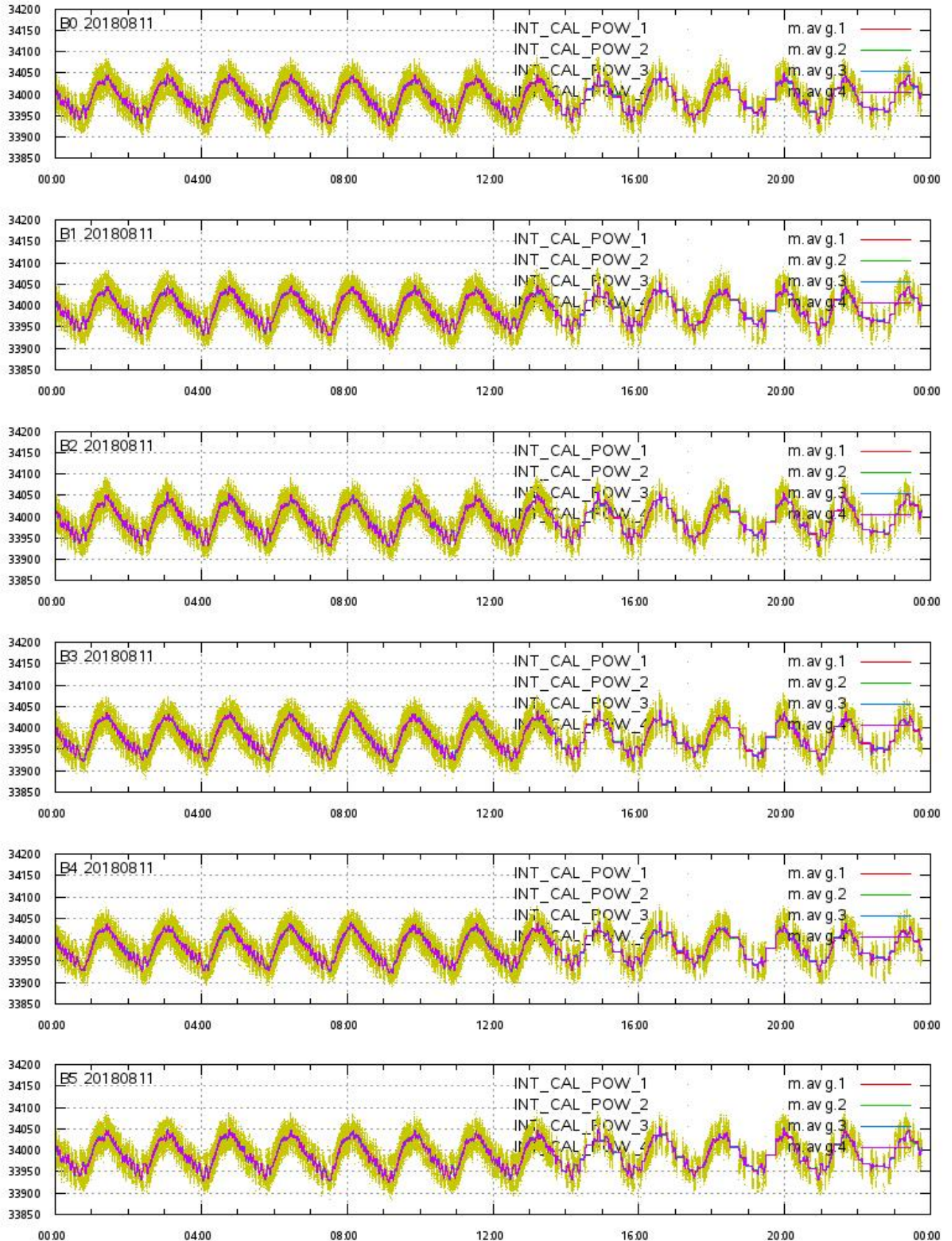
L1A Product

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



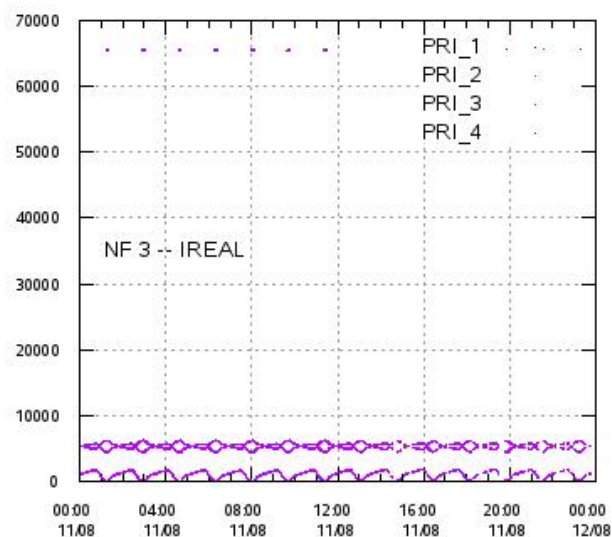
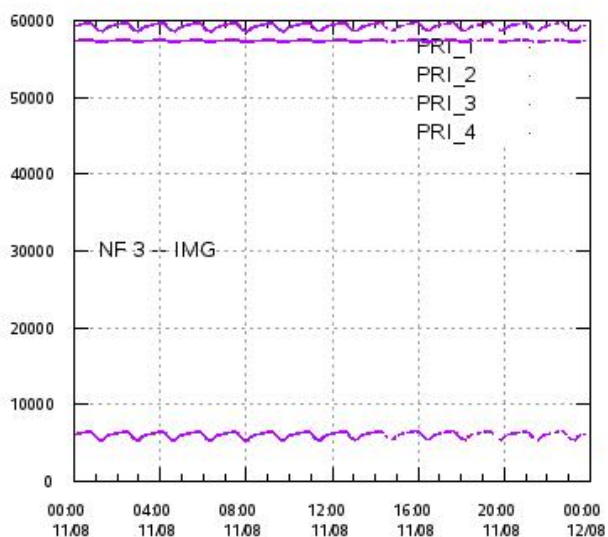
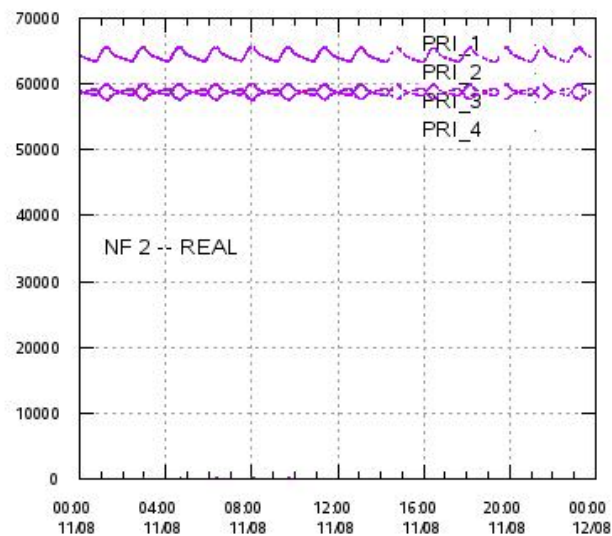
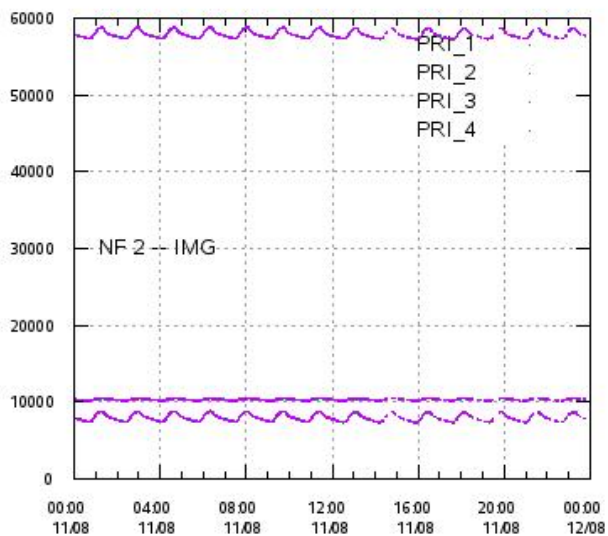
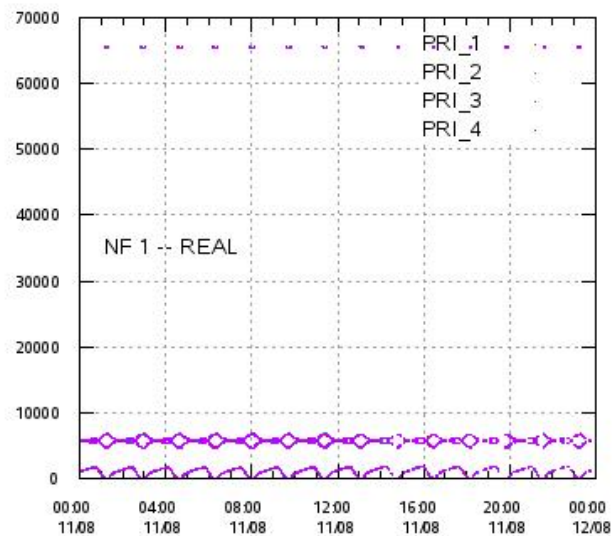
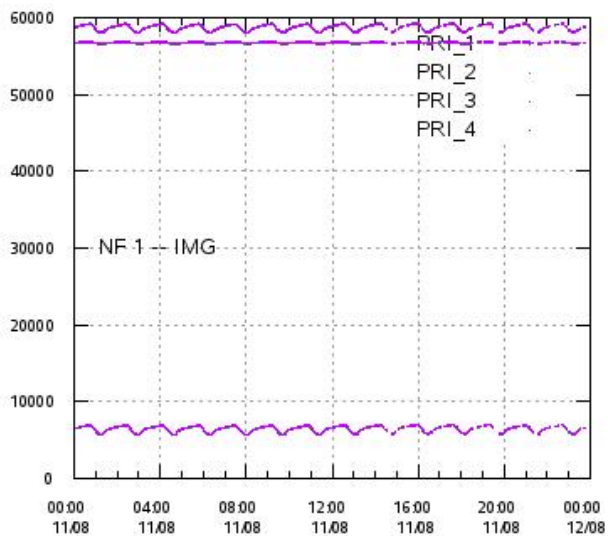
L1A Product

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



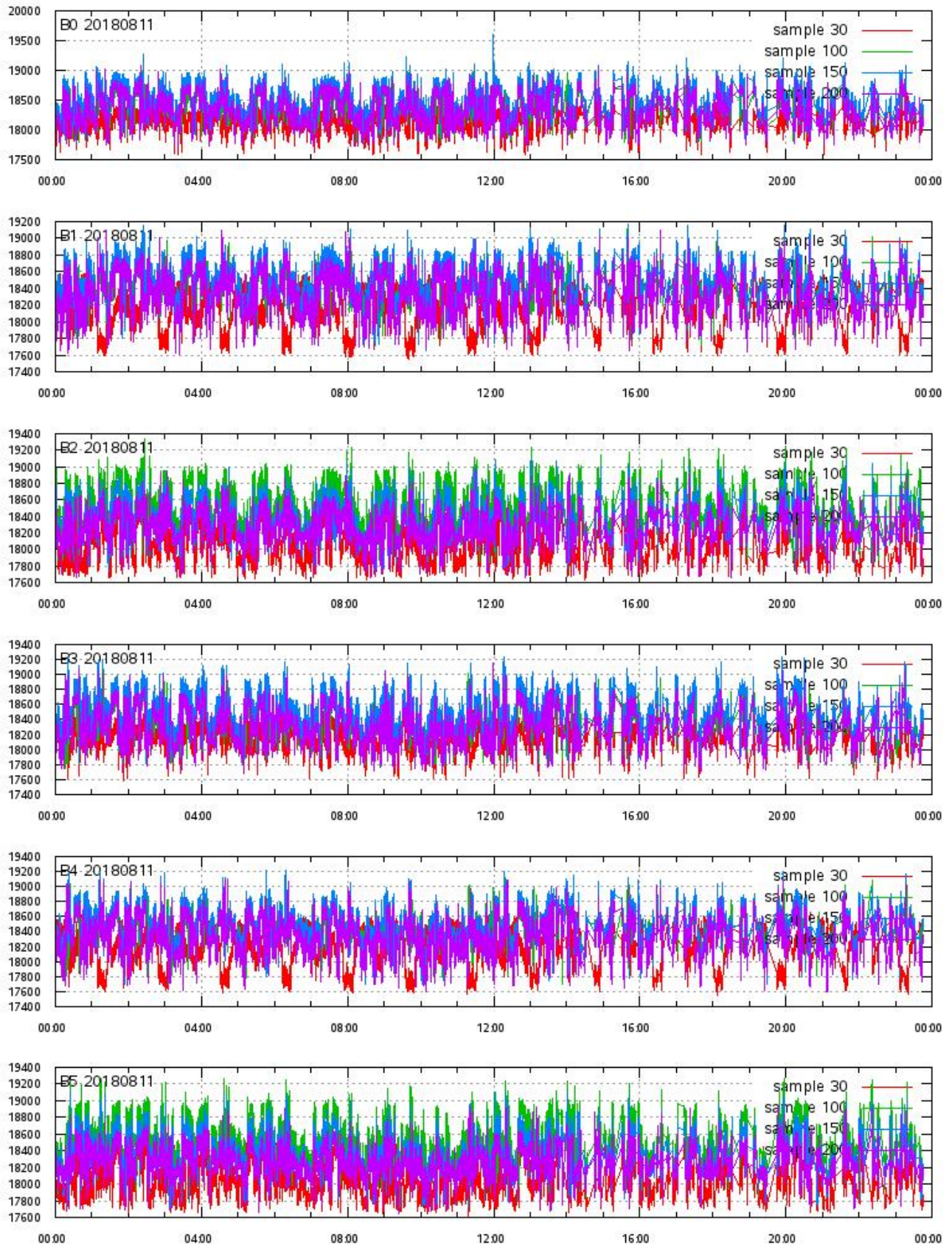
L1A Product

Calibration Powers vs. UTC_LOCALISATION



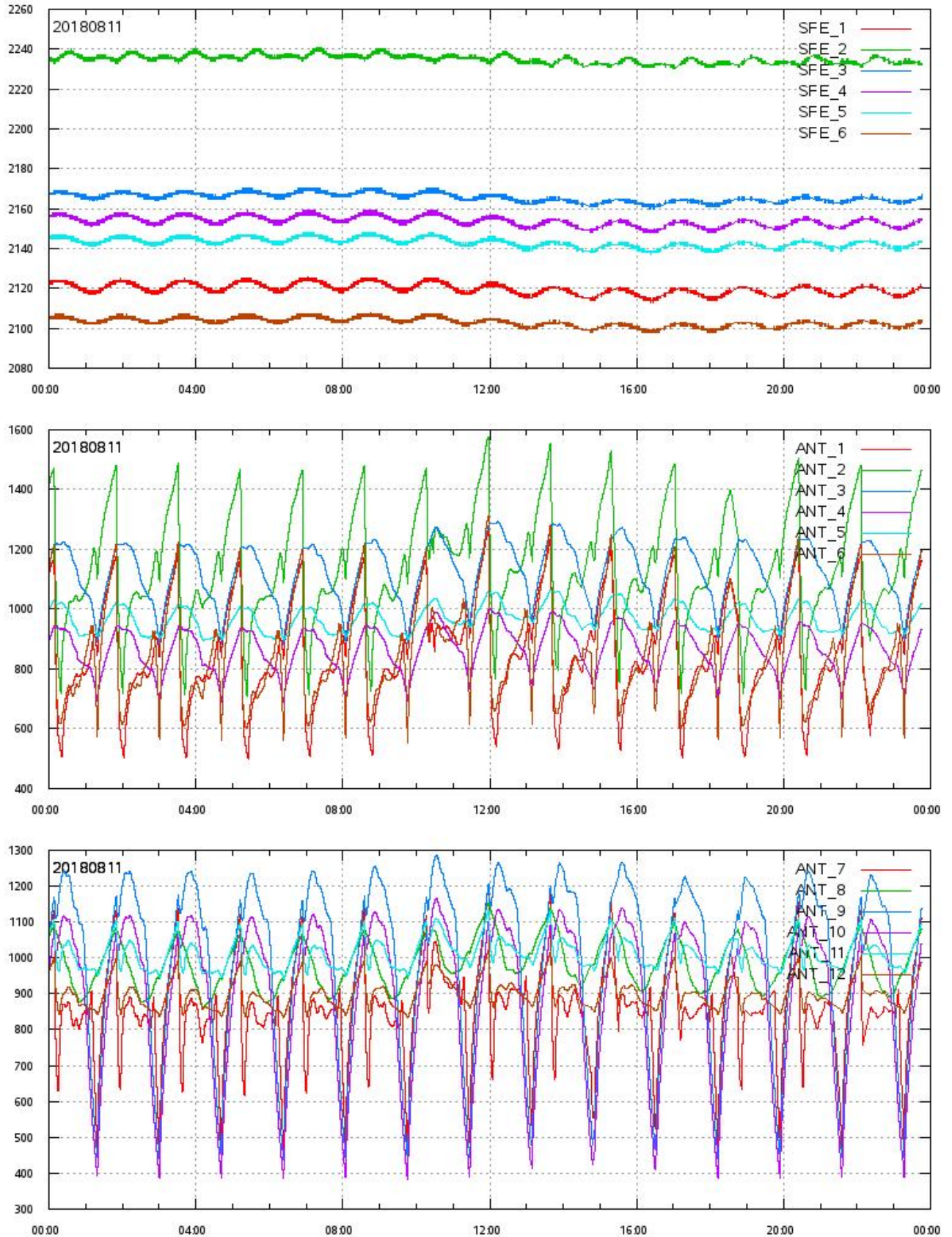
L1A Product

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



L1A Product

SFE & ANT Temperatures (raw) vs. UTC_LOCALISATION

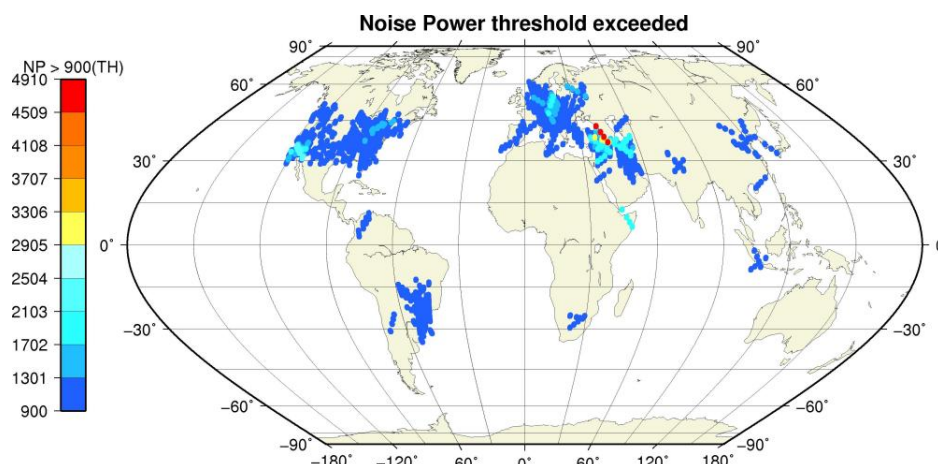
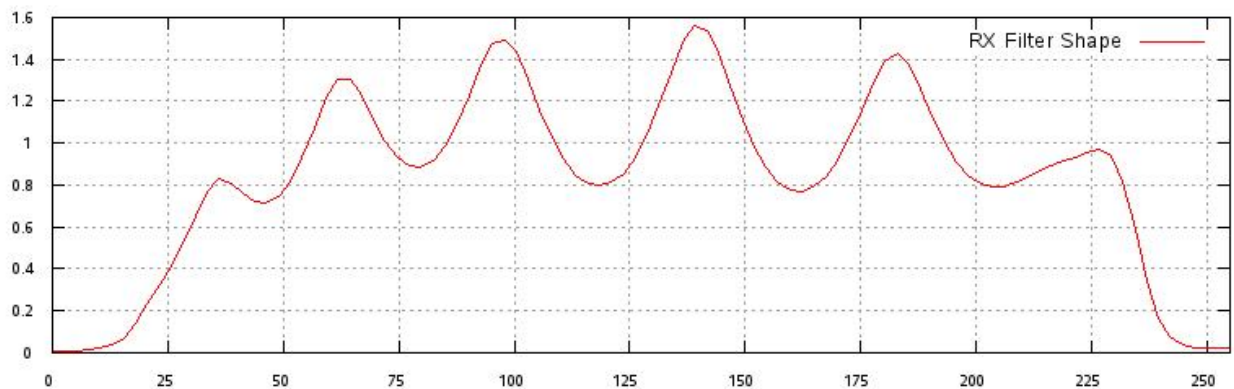
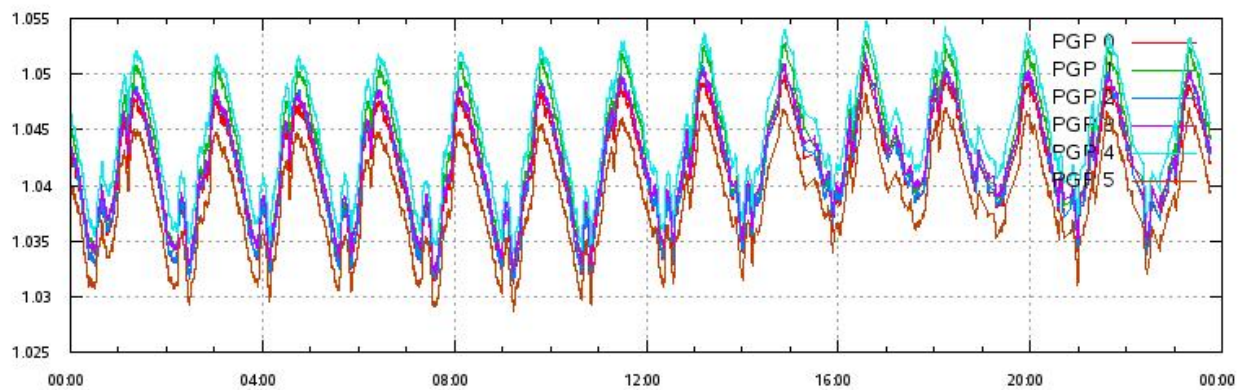
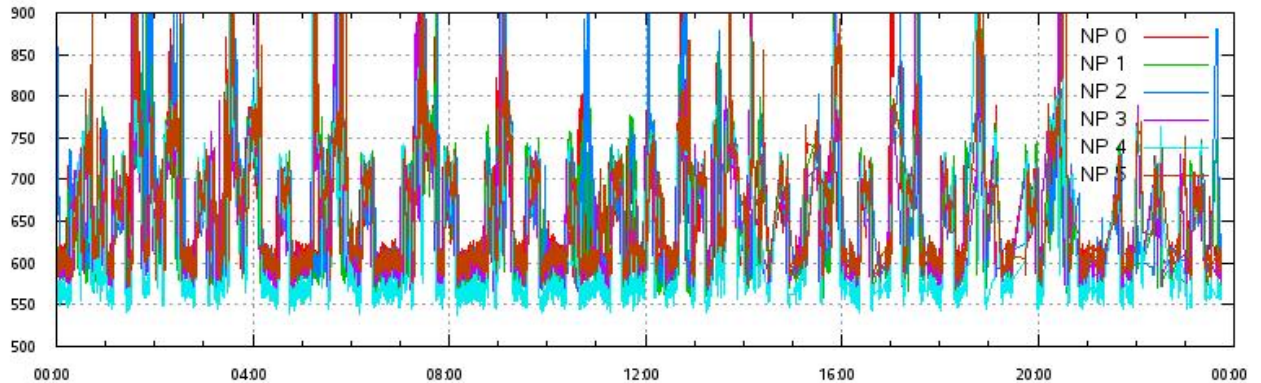


L1A Product

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

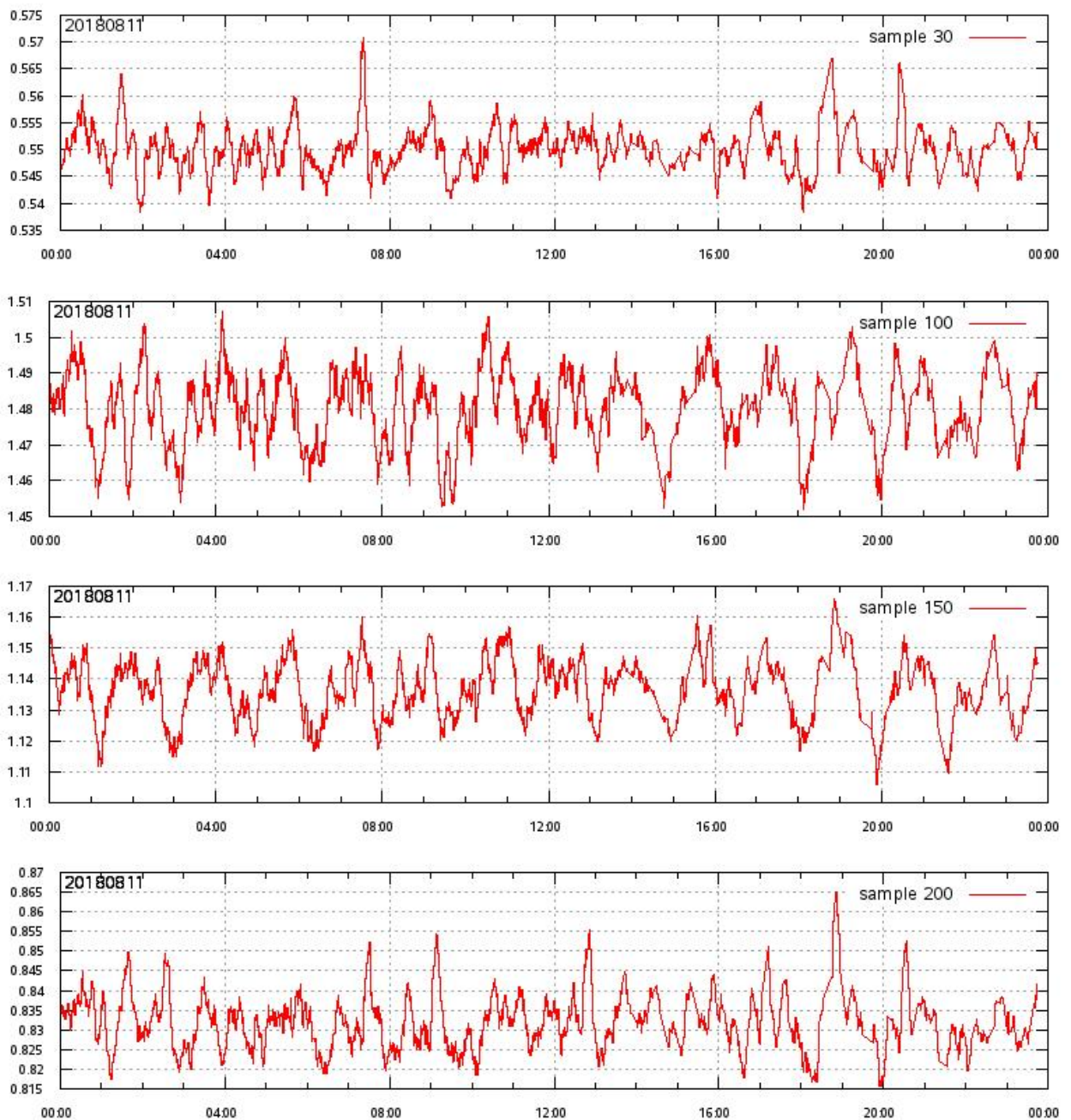
RX Filter Shape average over sample number

Noise Power threshold exceeded (TH=900) on map



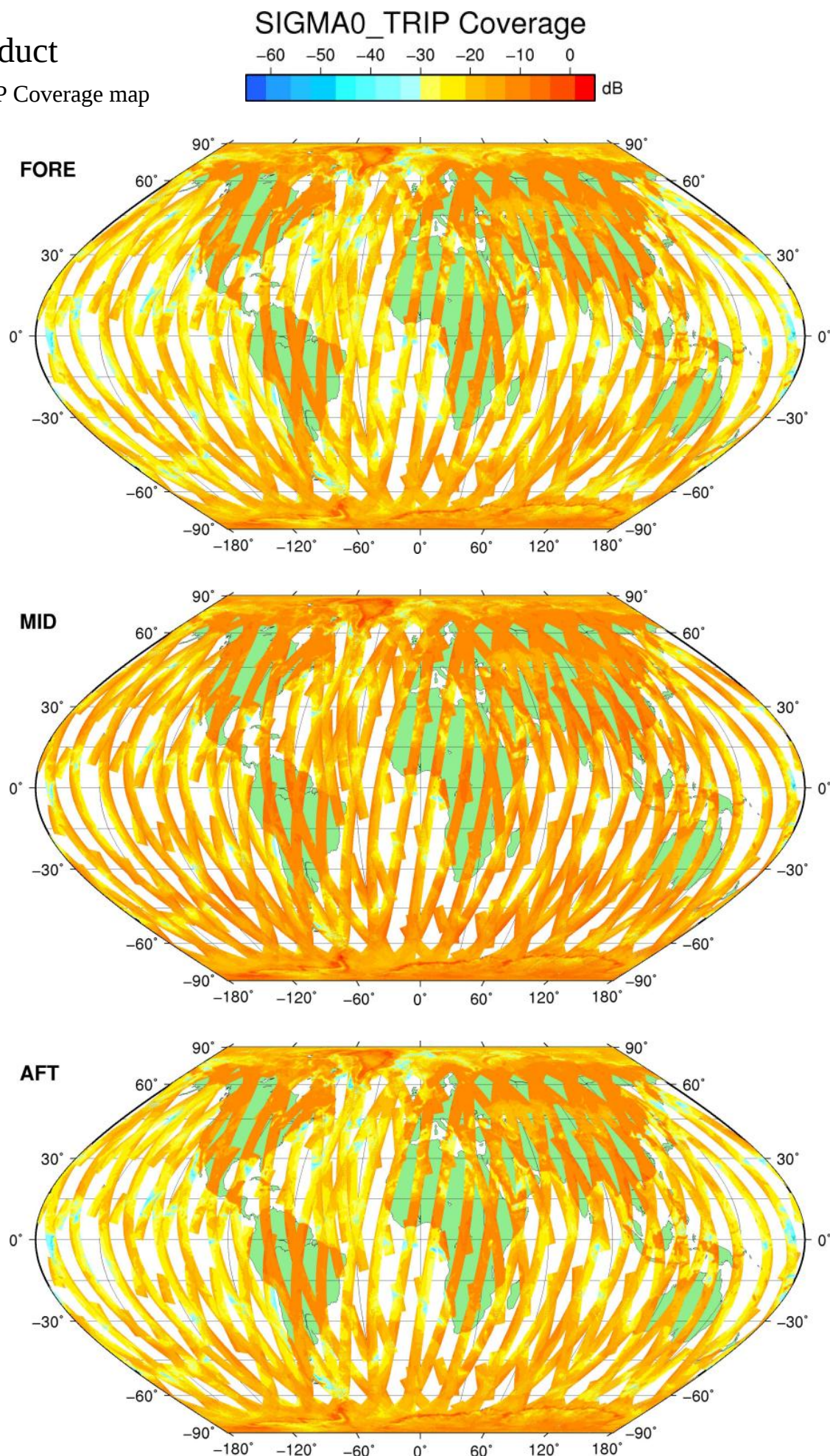
L1A Product

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



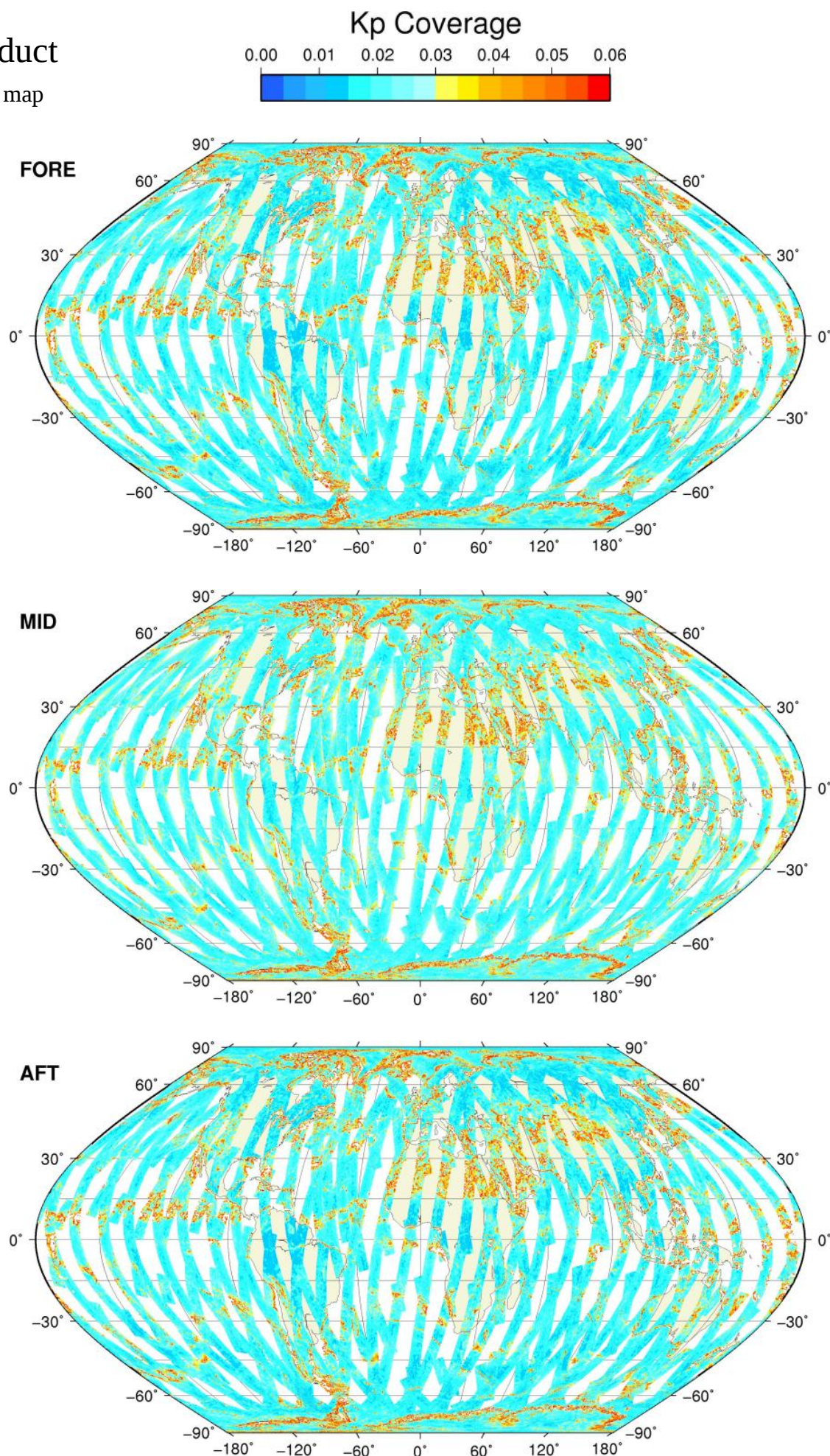
SZO Product

Sigma0_TRIP Coverage map



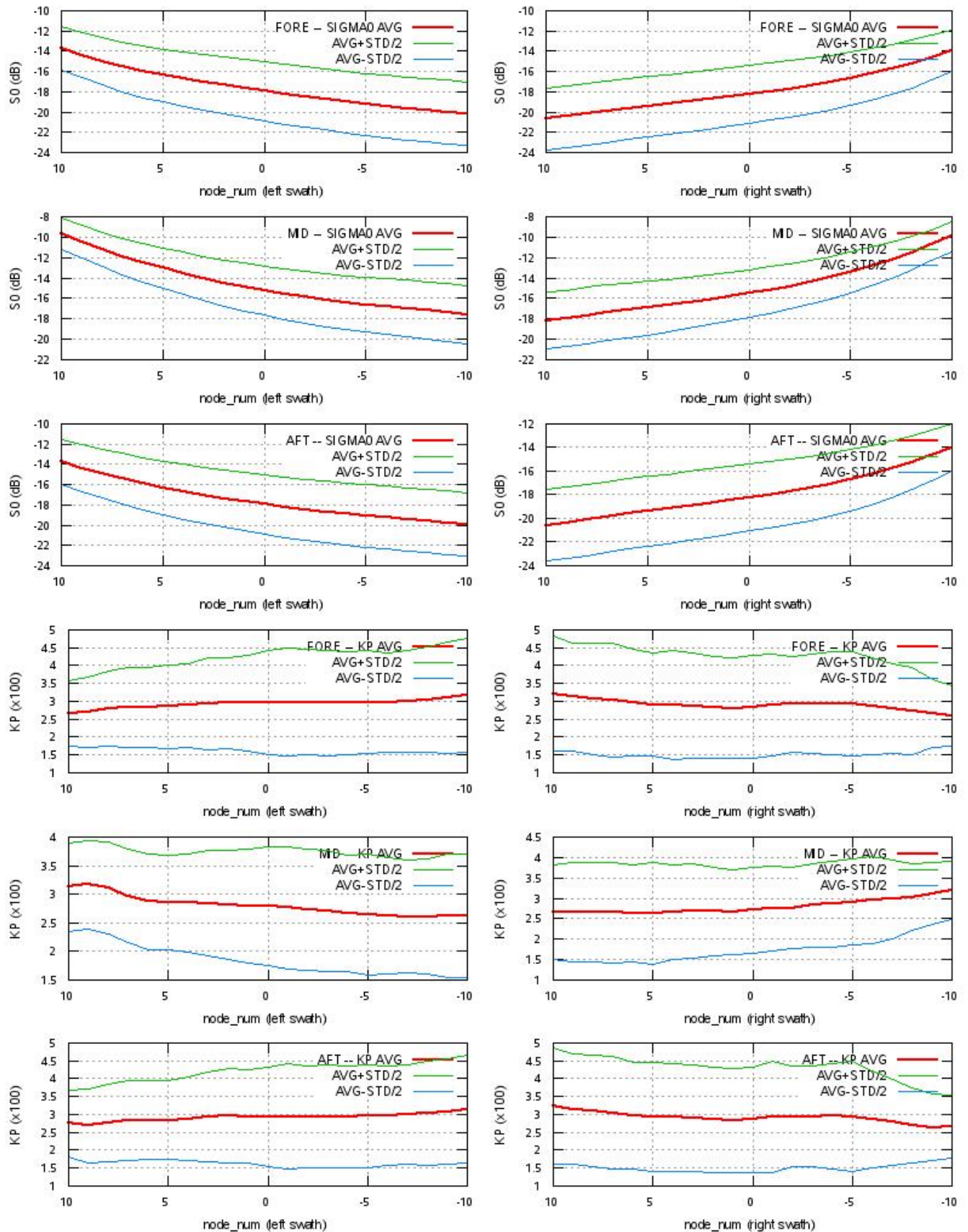
SZO Product

Kp Coverage map



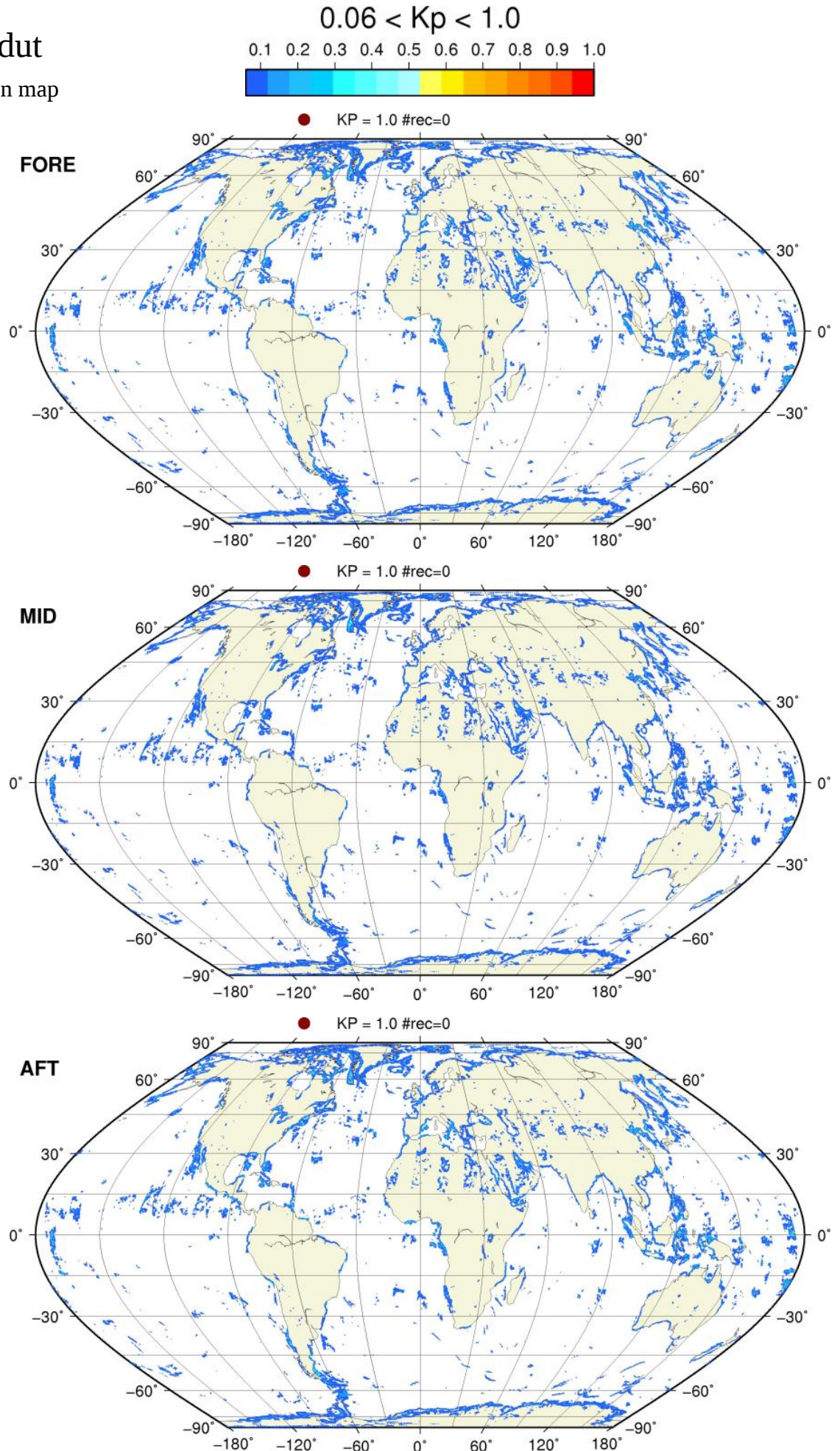
SZO Product

S0 - Kp Statistics



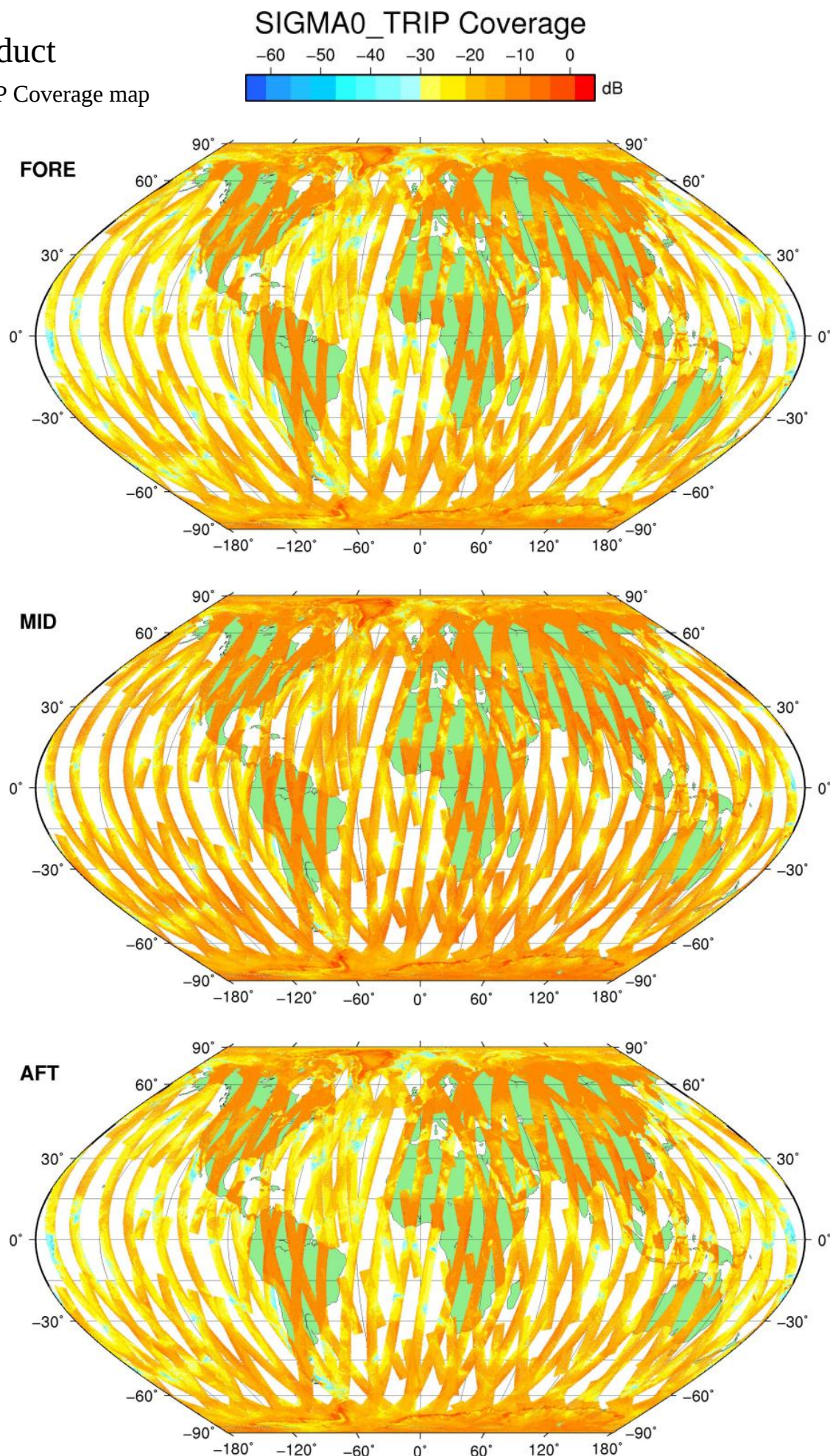
SZO Product

Kp Outliers on map



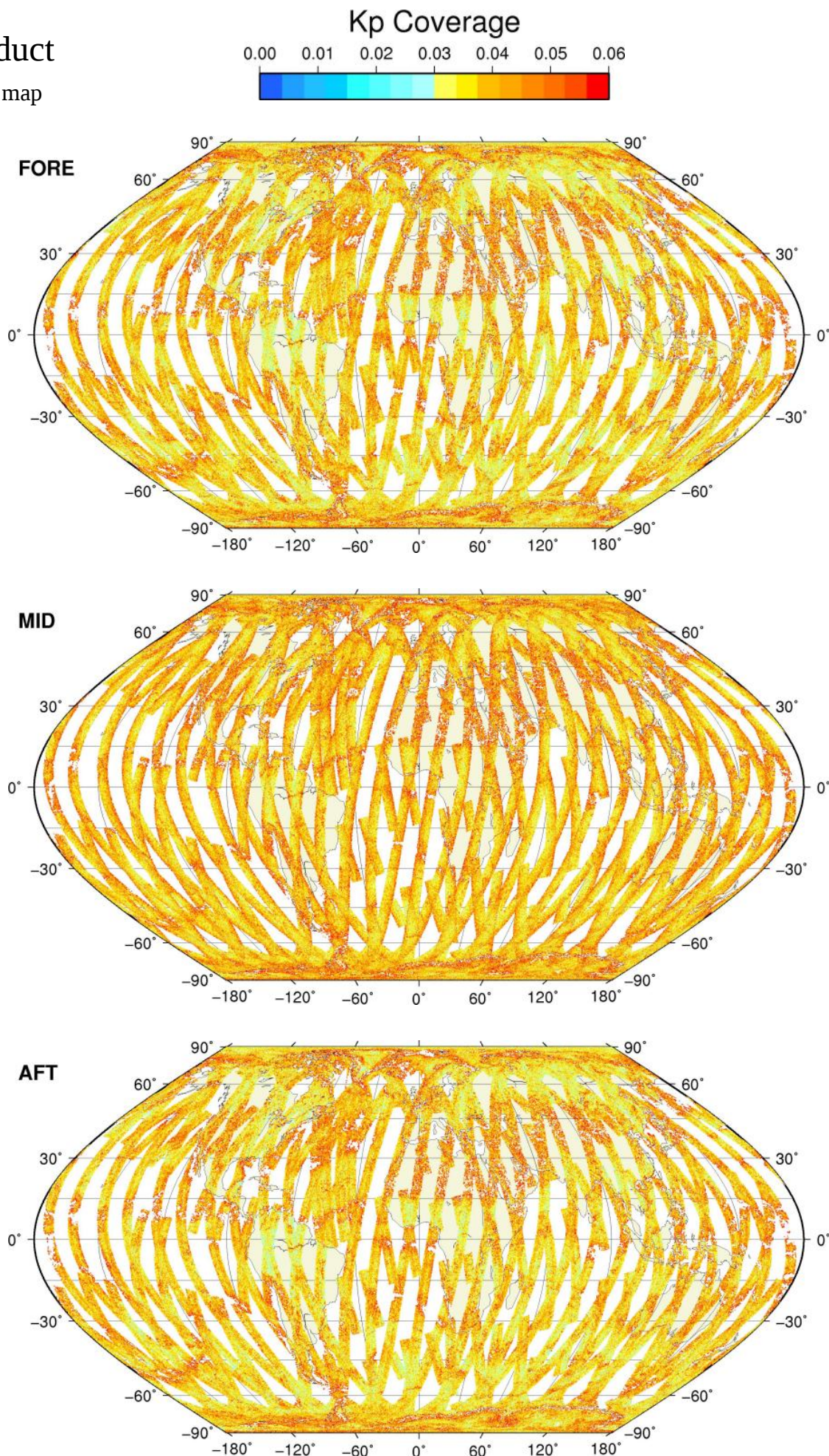
SZR Product

Sigma0_TRIP Coverage map



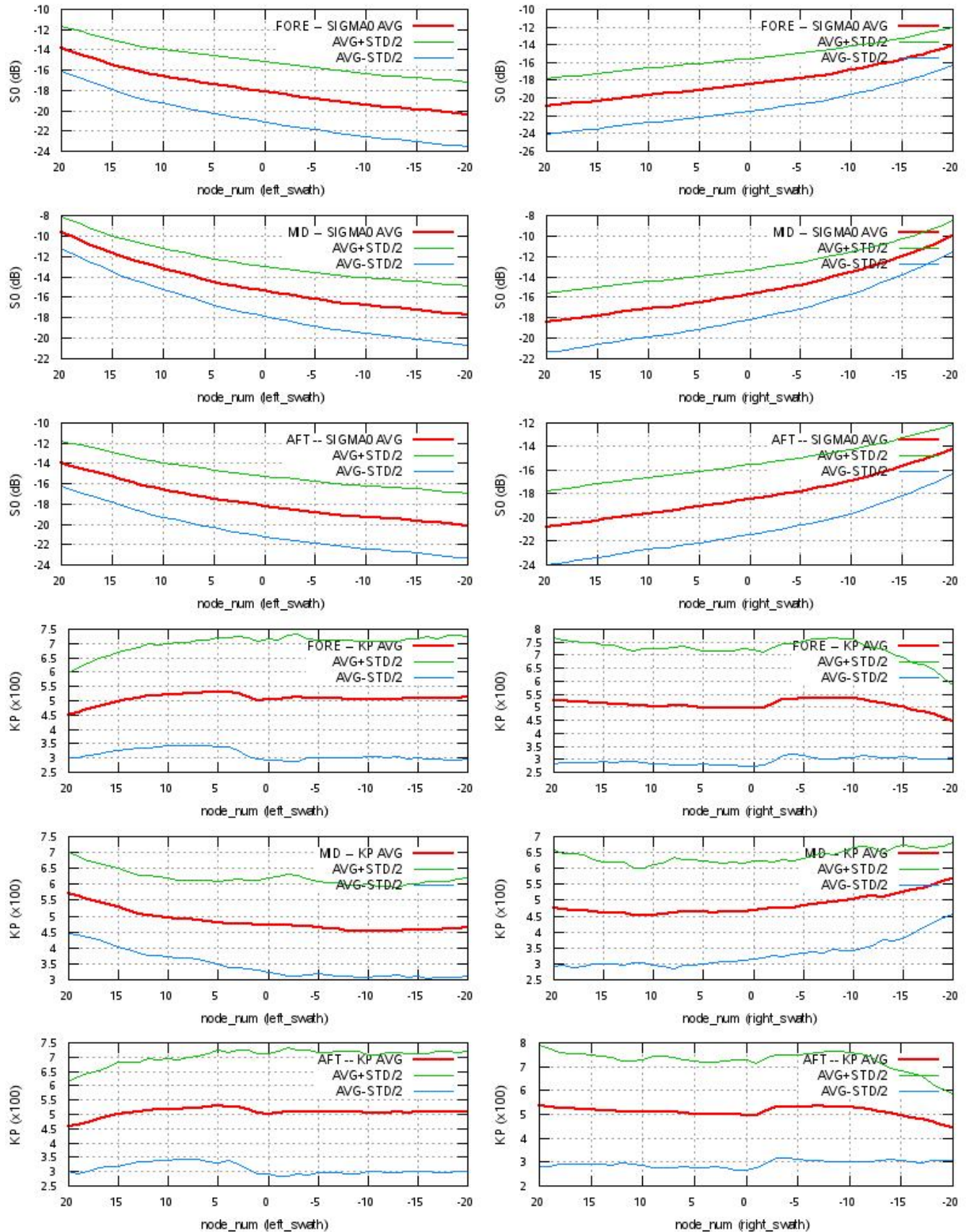
SZR Product

Kp Coverage map



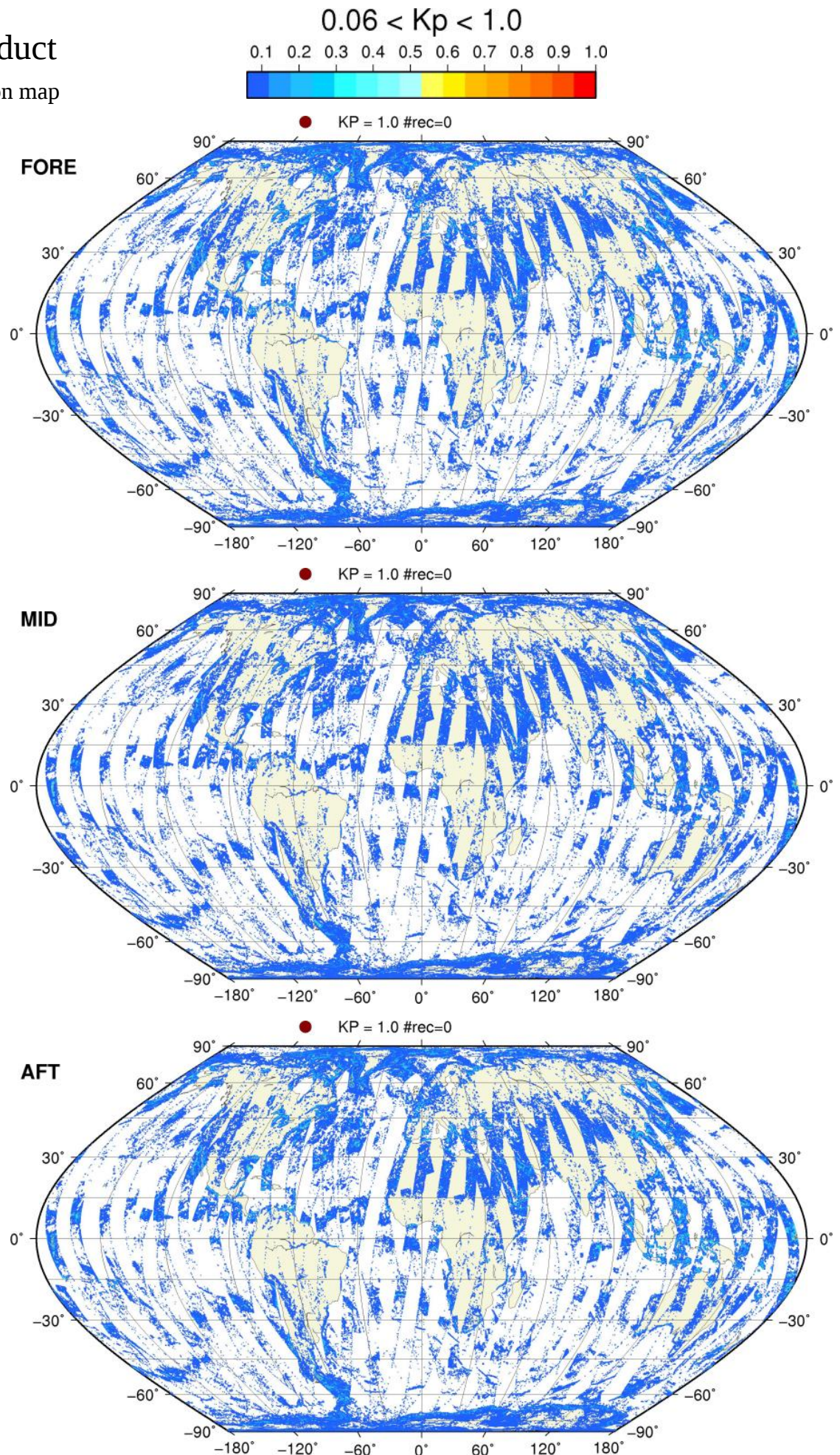
SZR Product

S0 - Kp Statistics



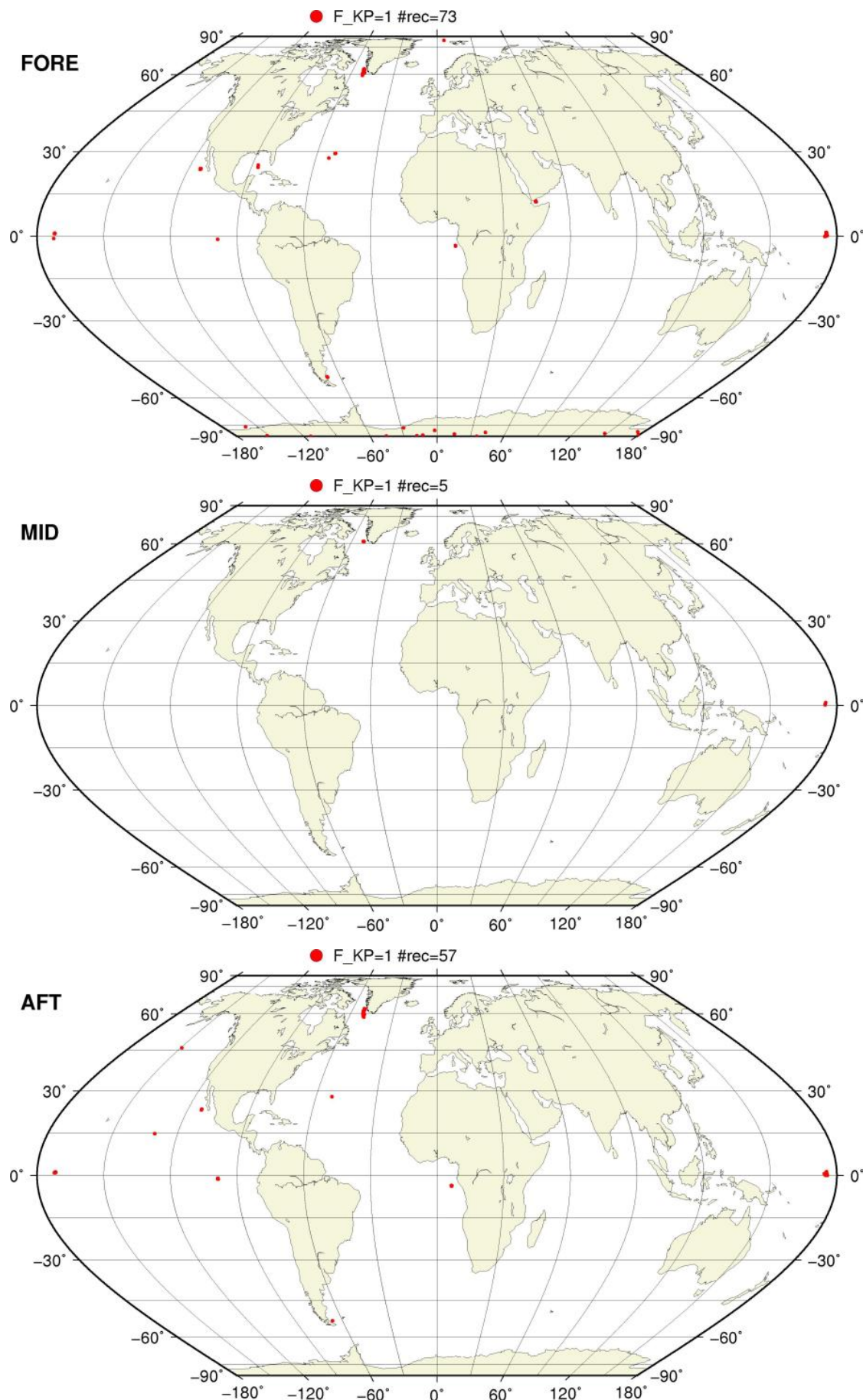
SZR Product

Kp Outliers on map



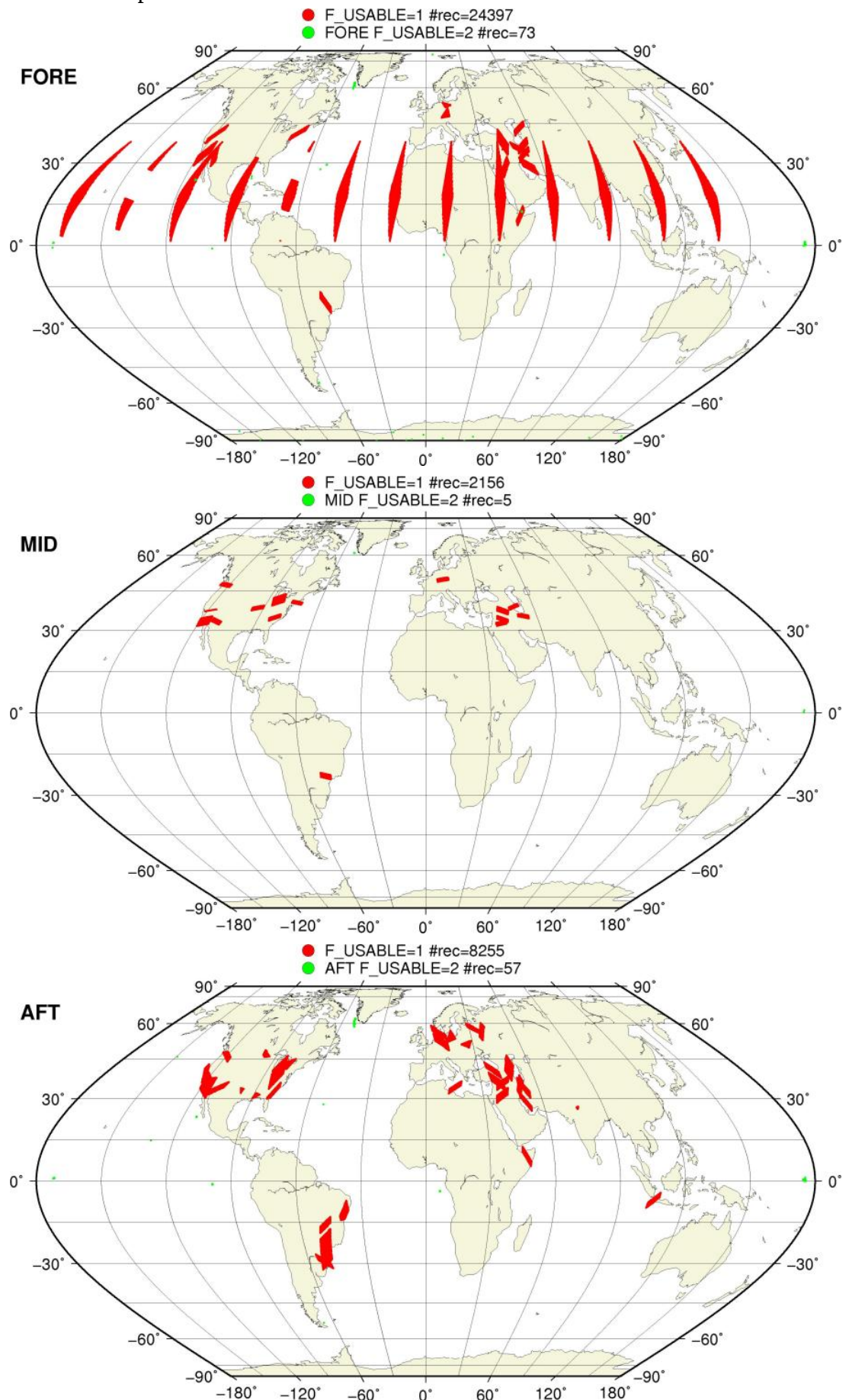
SZO Flagged Data Coverage

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

$0 < F_F \leq 1$

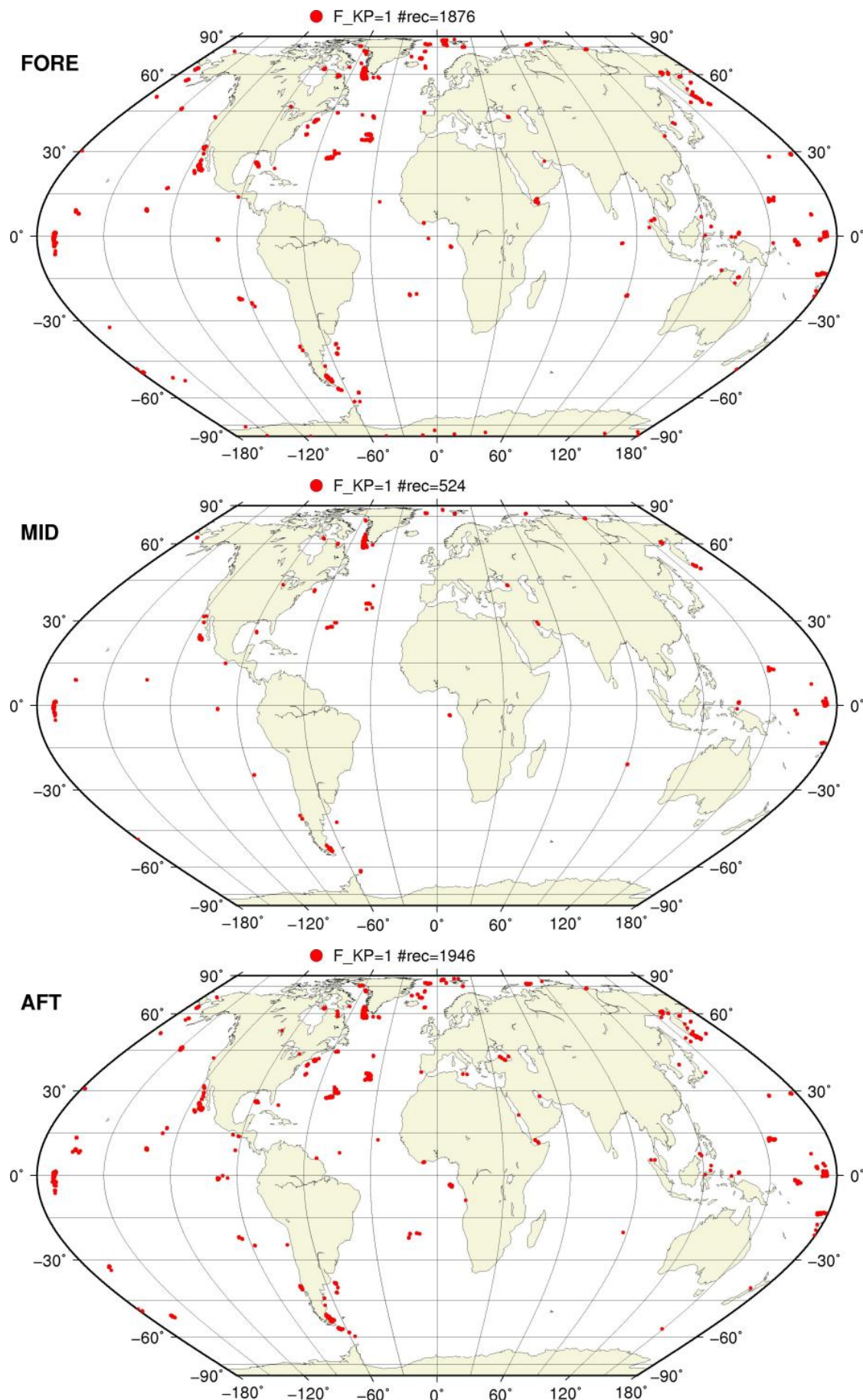


$0 < F_V \leq 1$



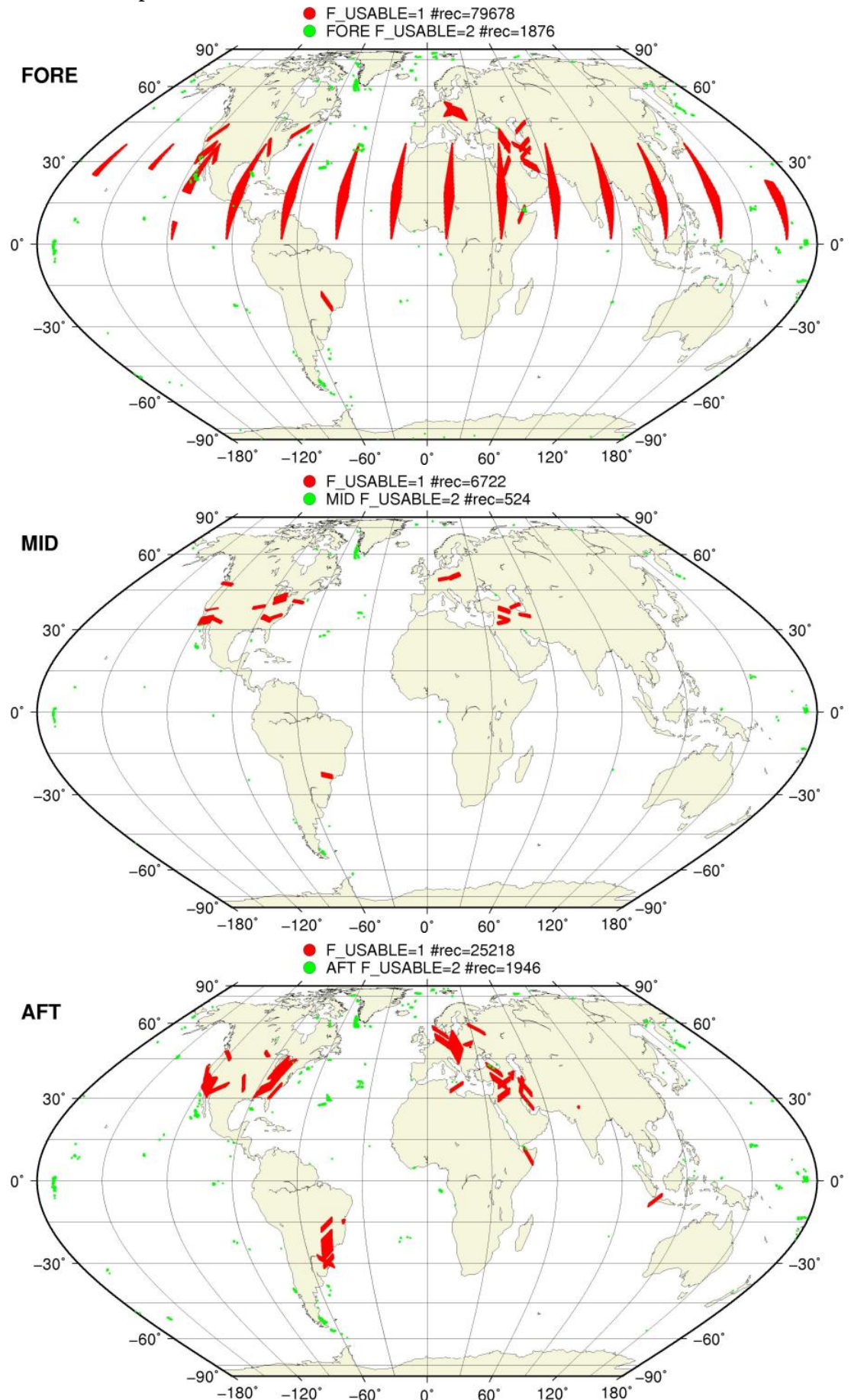
SZR Flagged Data Coverage

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

$0 < F_F \leq 1$



$0 < F_V \leq 1$

