

GOES-RSTU OSPO INR Report

Report Time Range 12/01/25 to 12/08/25

Satellite ID: GOES - 18

ABI VNIR Full Disk Navigation (NAV) Landmark Residual Points Within Limit (Green = above 99.7% spec)

BAND	Ch 1	Ch 2	Ch 3	Ch 5	Ch 6
EW	98.40% 8184/8317	100.00% 13200/13200	100.00% 11810/11810	100.00% 11713/11713	100.00% 3828/3828
NS	99.99% 8316/8317	100.00% 13200/13200	100.00% 11810/11810	100.00% 11713/11713	100.00% 3828/3828
VNIR NAV Points Within Limits Table 1					

ABI MWIR/LWIR Full Disk Navigation (NAV) Landmark Residual Points Within Limit (Green = above 99.7% spec)

BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	100.00% 19908/19908	99.98% 15324/15327	99.99% 18476/18478	99.98% 17986/17989	100.00% 12207/12207	99.93% 10099/10106
NS	100.00% 19908/19908	100.00% 15327/15327	100.00% 18478/18478	99.94% 17979/17989	100.00% 12207/12207	99.80% 10086/10106
MWIR/LWIR NAV Points Within Limits Table 2						

ABI VNIR Full Disk Frame-to-Frame (FFR) Landmark Residual Points Within Limit (Green = above 99.7% spec)

BAND	Ch 1	Ch 2	Ch 3	Ch 5	Ch 6
EW	100.00% 19152/19152	100.00% 21313/21313	100.00% 25012/25012	100.00% 26516/26516	100.00% 5832/5832
NS	100.00% 19152/19152	100.00% 21313/21313	100.00% 25012/25012	100.00% 26516/26516	100.00% 5832/5832
VNIR FFR Points Within Limits Table 3					

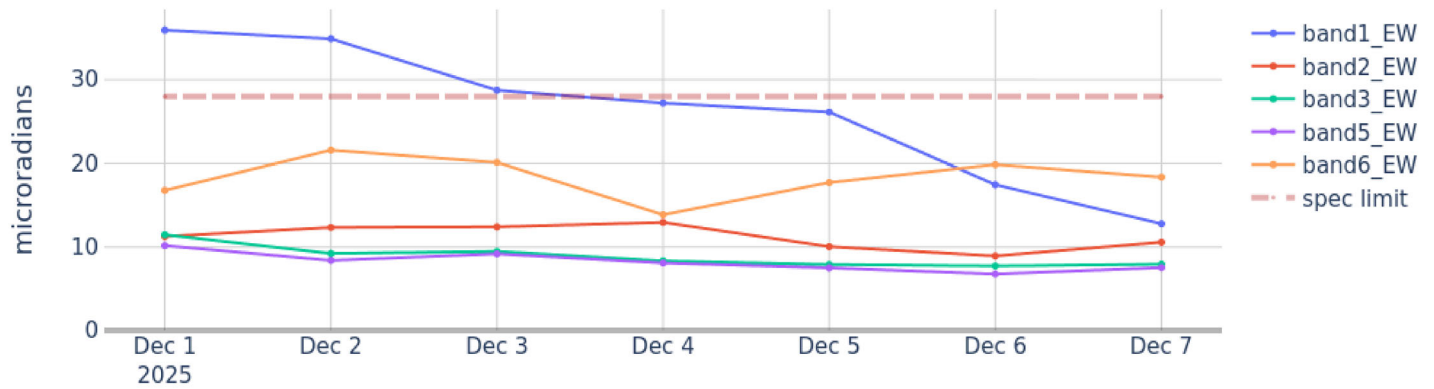
ABI MWIR/LWIR Full Disk Frame-to-Frame (FFR) Landmark Residual Points Within Limit (Green = above 99.7% spec)

BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	99.90% 28182/28211	99.89% 21202/21226	99.97% 24571/24578	99.90% 24006/24030	99.92% 16598/16612	99.98% 13874/13877
NS	99.93% 28190/28211	99.91% 21206/21226	100.00% 24578/24578	99.96% 24021/24030	99.85% 16587/16612	99.99% 13876/13877
MWIR/LWIR FFR Points Within Limits Table 4						

NAV Plots:

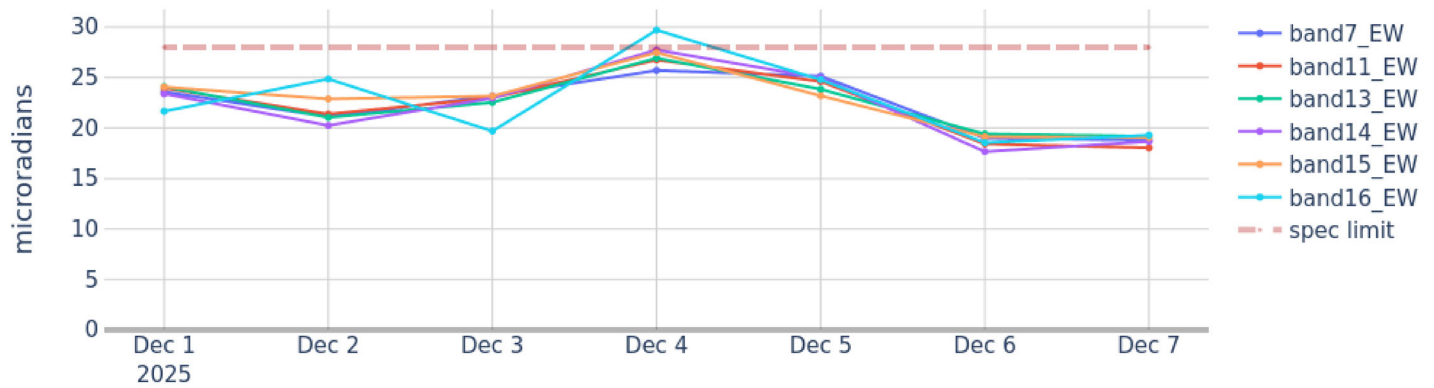
VNIR Daily ABSMEAN+3SIGMA EW

ABI FD EW NAV Daily ABSMEAN+3SIGMA (merged) G18



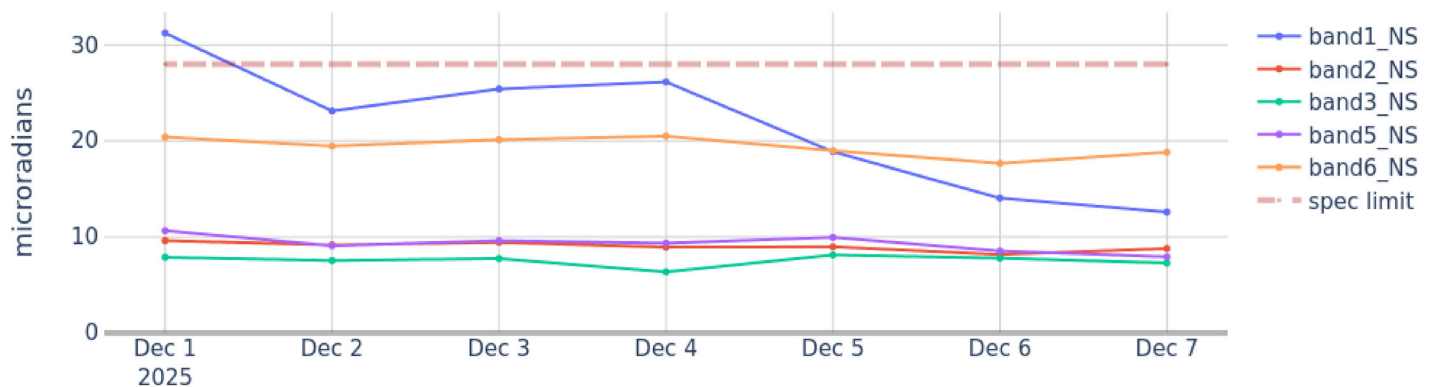
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

ABI FD EW NAV Daily ABSMEAN+3SIGMA (merged) G18



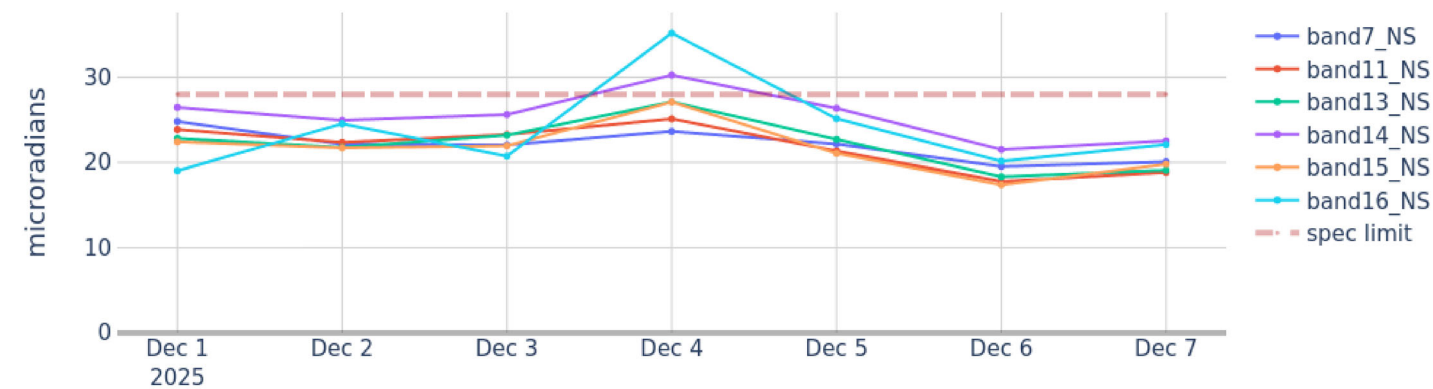
VNIR Daily ABSMEAN+3SIGMA NS

ABI FD NS NAV Daily ABSMEAN+3SIGMA (merged) G18



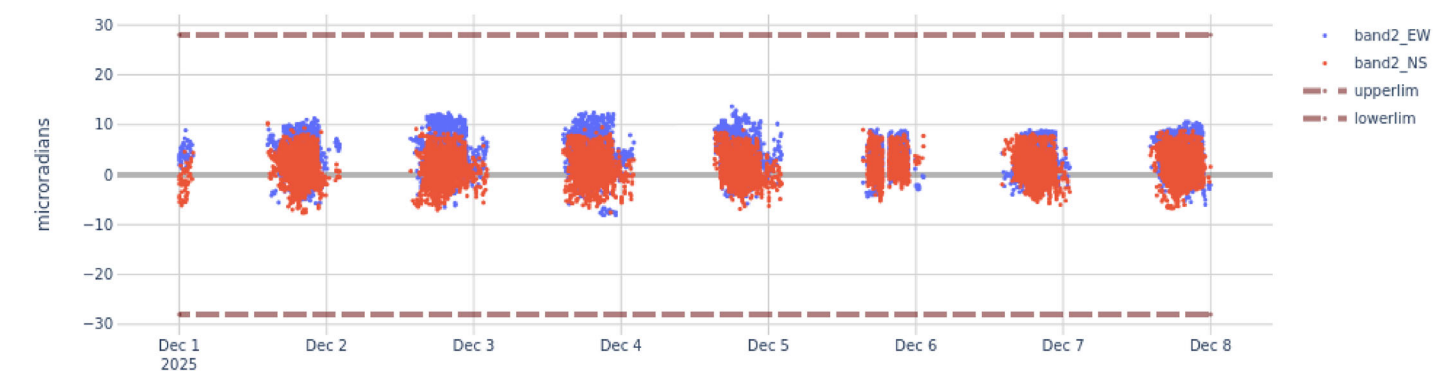
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

ABI FD NS NAV Daily ABSMEAN+3SIGMA (merged) G18



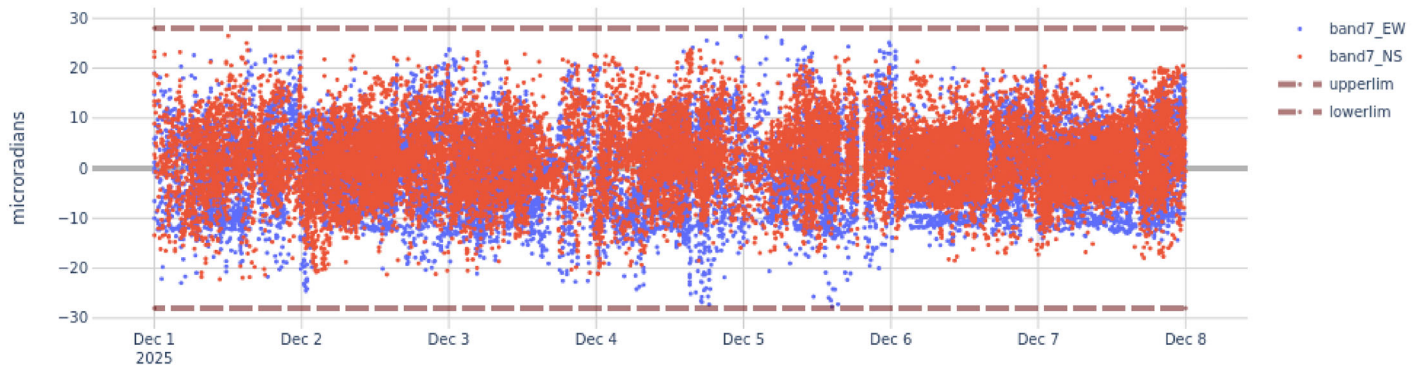
NAV Residuals Band:2

NAV Residuals plot Band:2 [INR.merged]



NAV Residuals Band:7

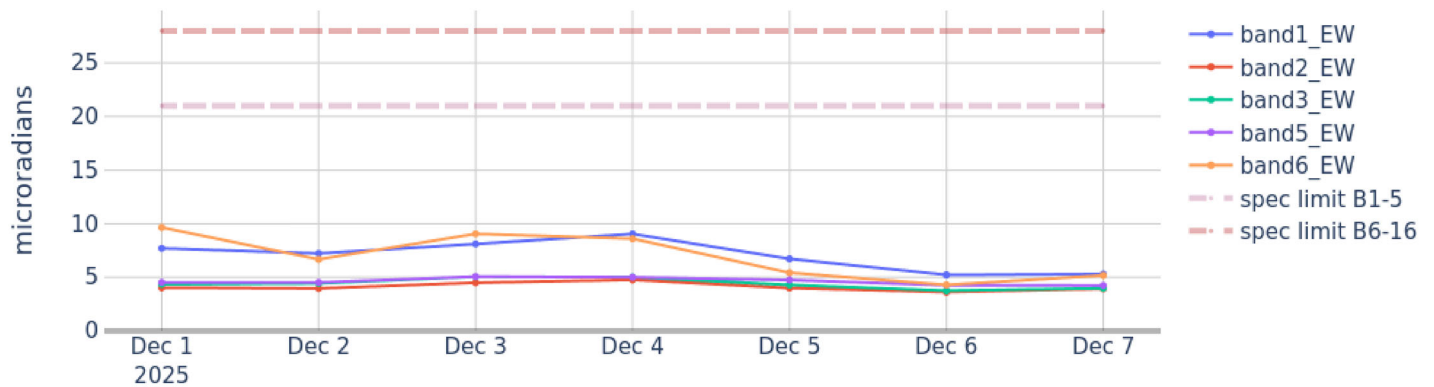
NAV Residuals plot Band:7 [INR.merged]



FFR Plots:

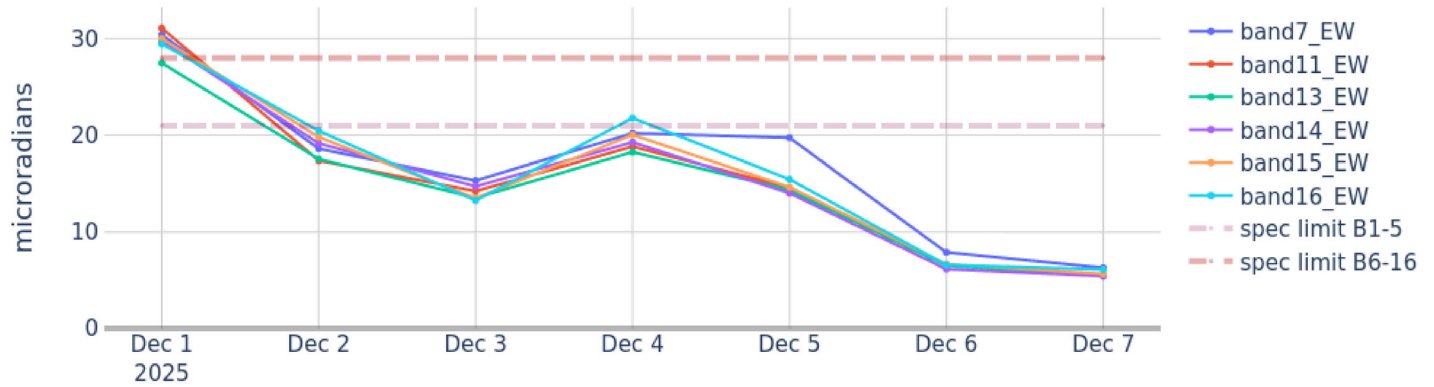
VNIR Daily ABSMEAN+3SIGMA EW

ABI FD EW FFR Daily ABSMEAN+3SIGMA (merged) G18



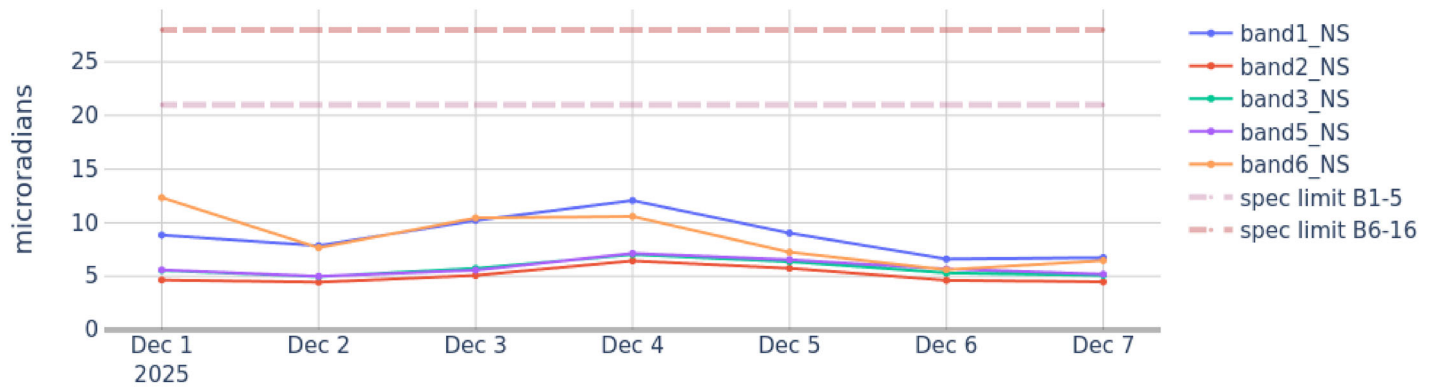
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

ABI FD EW FFR Daily ABSMEAN+3SIGMA (merged) G18



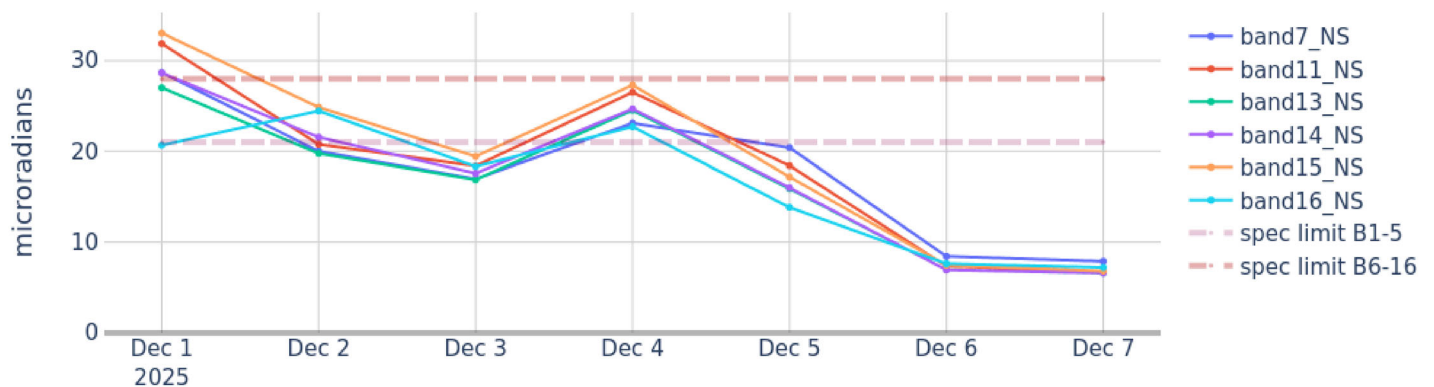
VNIR Daily ABSMEAN+3SIGMA NS

ABI FD NS FFR Daily ABSMEAN+3SIGMA (merged) G18

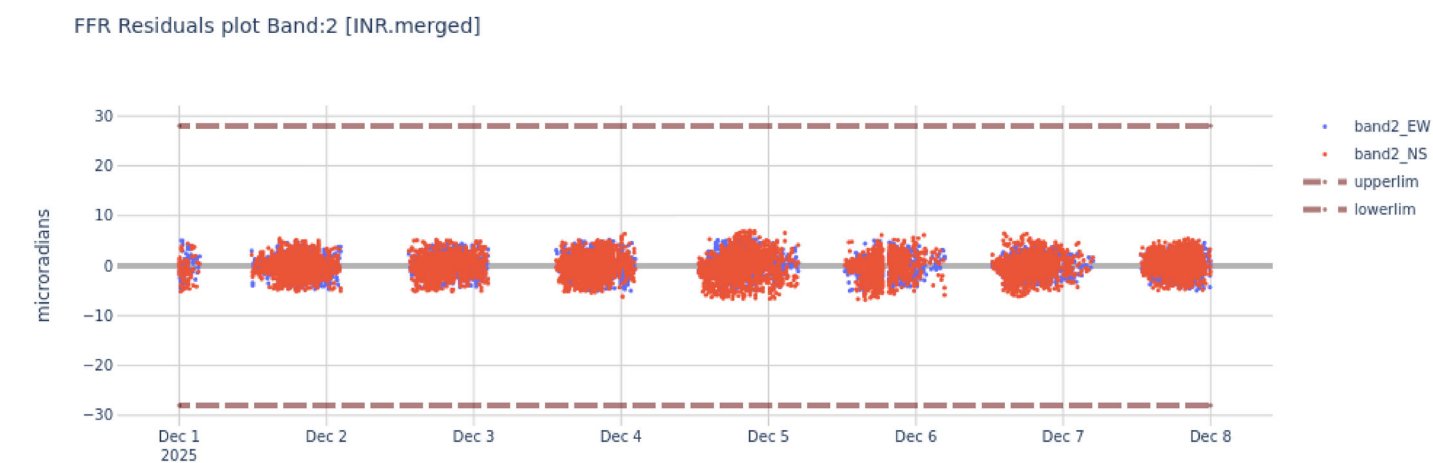


MWIR/LWIR Daily ABSMEAN+3SIGMA NS

ABI FD NS FFR Daily ABSMEAN+3SIGMA (merged) G18



FFR Residuals Band:2



FFR Residuals Band:7

