

GOES-RSTU OSPO INR Report

Report Time Range 06/09/25 to 06/16/25

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	100.00% 10397/10397	100.00% 14945/14945	100.00% 15159/15159	100.00% 14928/14928	100.00% 4926/4926
NS	100.00% 10397/10397	100.00% 14945/14945	100.00% 15159/15159	100.00% 14928/14928	100.00% 4926/4926
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% 20789/20789	100.00% 19450/19450	100.00% 21390/21390	100.00% 20896/20896	100.00% 17159/17159	100.00% 14317/14317
NS	99.96% 20781/20789	100.00% 19450/19450	99.98% 21385/21390	99.91% 20878/20896	100.00% 17159/17159	100.00% 14317/14317
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% 27000/27000	100.00% 28478/28478	100.00% 33557/33557	100.00% 35942/35942	100.00% 9918/9918
NS	100.00% 27000/27000	100.00% 28478/28478	100.00% 33557/33557	100.00% 35942/35942	100.00% 9918/9918
VNIR FFR Points Within Limits Table 3					

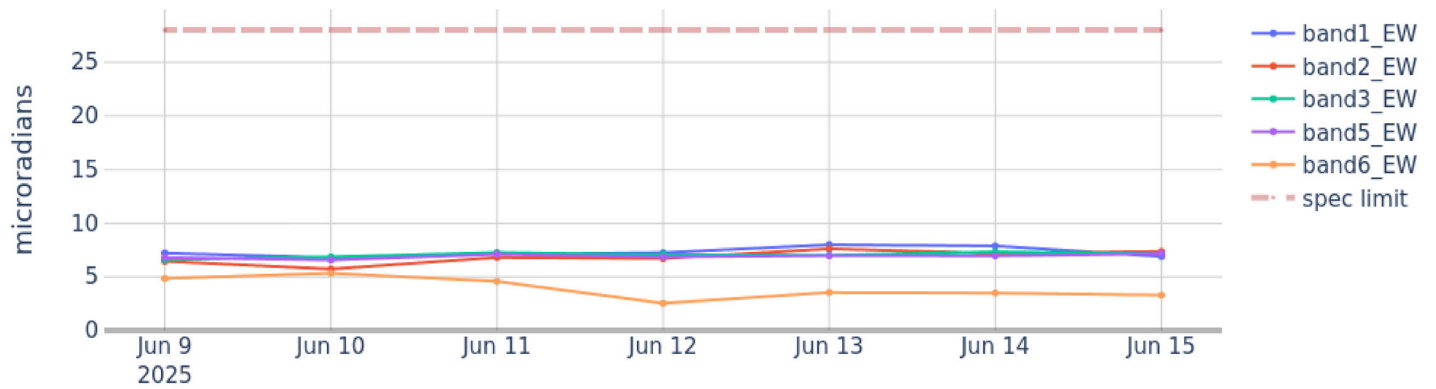
ABI MWIR/LWIR Full Disk Frame-to-Frame (FFR) Landmark Residual Points Within Limit (Green = above 99.7% spec)

BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	100.00% 33994/33994	100.00% 29433/29433	100.00% 33801/33801	100.00% 32580/32580	100.00% 25390/25390	100.00% 21199/21199
NS	100.00% 33994/33994	100.00% 29433/29433	100.00% 33801/33801	100.00% 32580/32580	100.00% 25390/25390	100.00% 21199/21199
MWIR/LWIR FFR Points Within Limits Table 4						

NAV Plots:

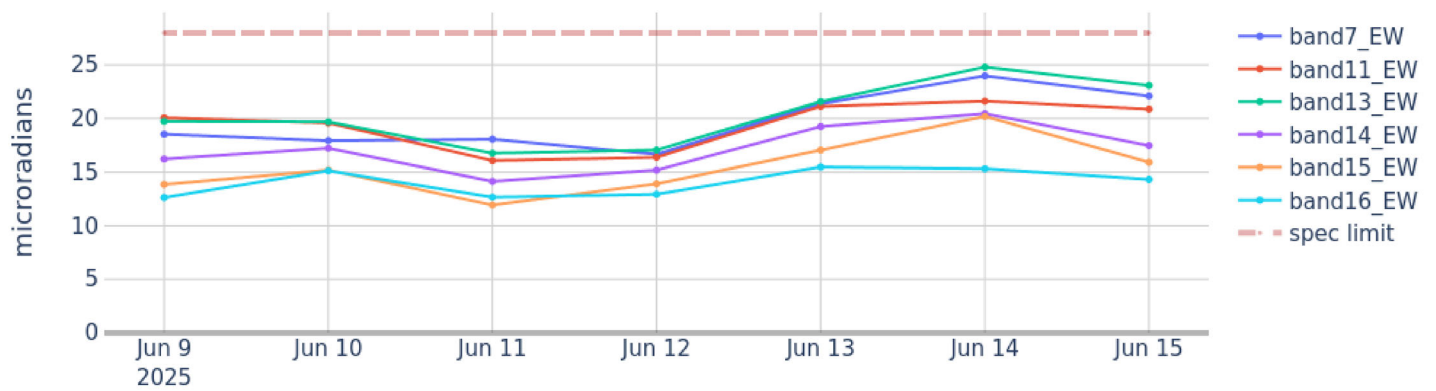
VNIR Daily ABSMEAN+3SIGMA EW

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



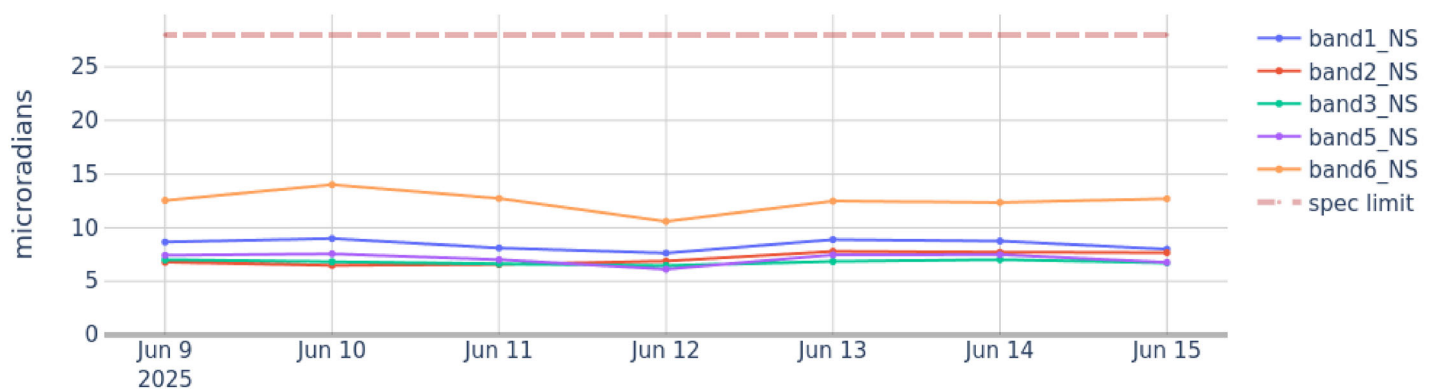
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



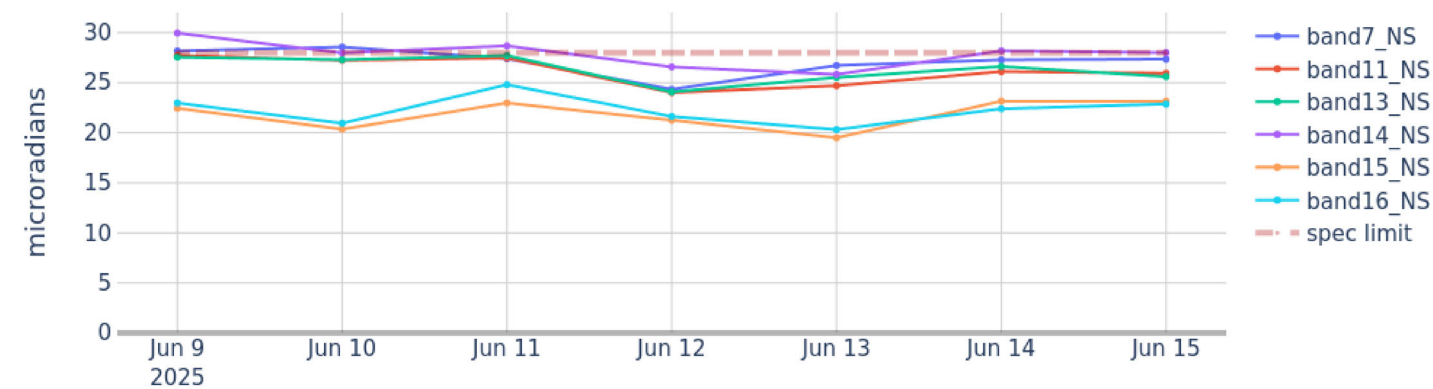
VNIR Daily ABSMEAN+3SIGMA NS

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



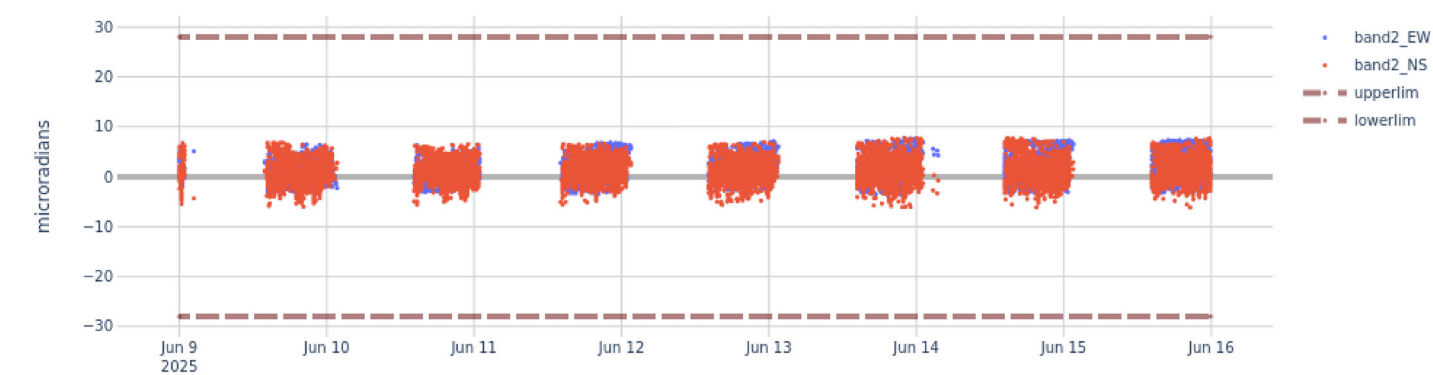
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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



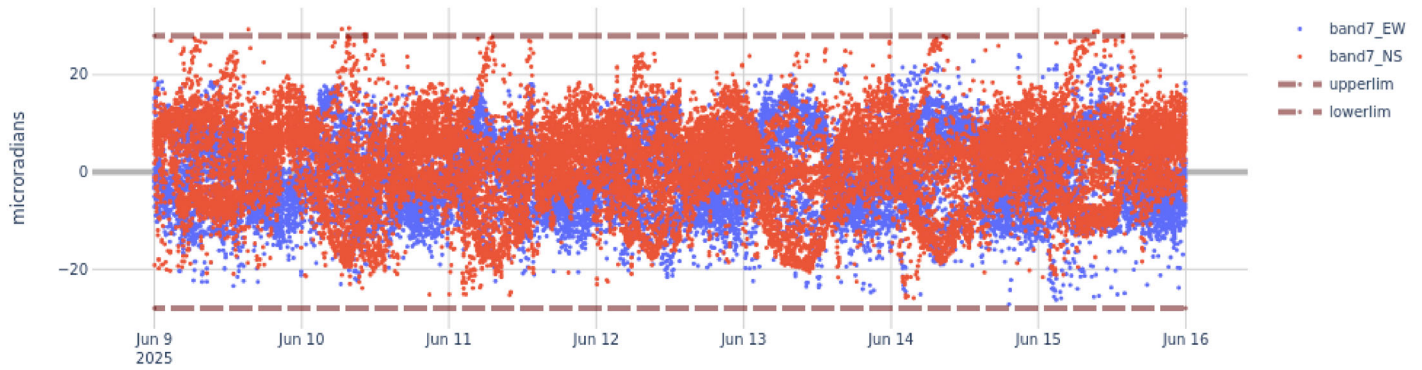
NAV Residuals Band:2

NAV Residuals plot Band:2 [INR.merged]



NAV Residuals Band:7

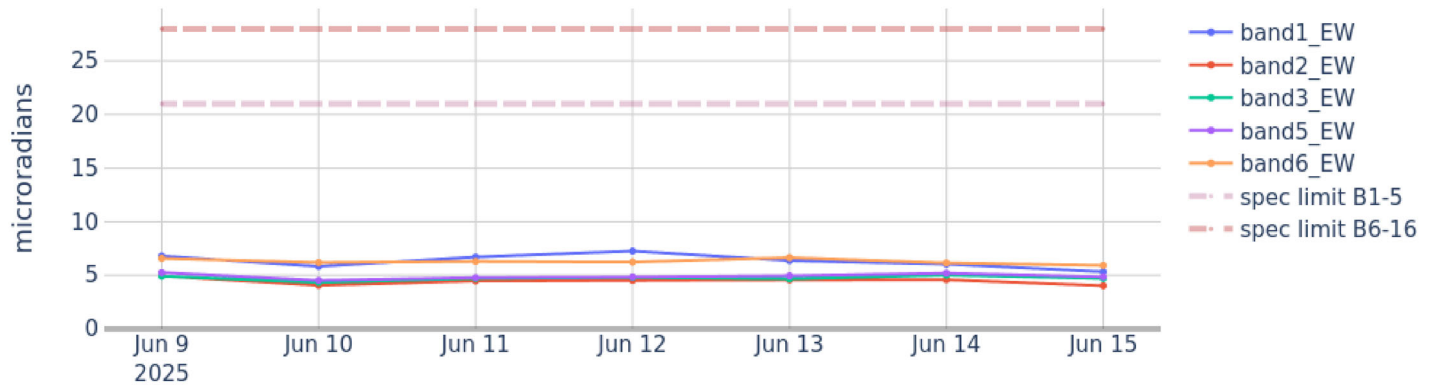
NAV Residuals plot Band:7 [INR.merged]



FFR Plots:

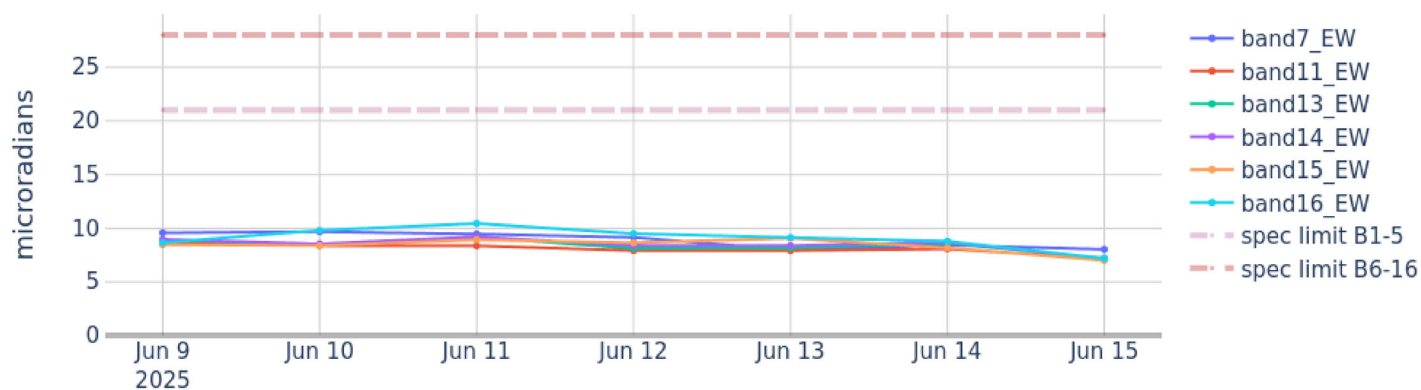
VNIR Daily ABSMEAN+3SIGMA EW

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



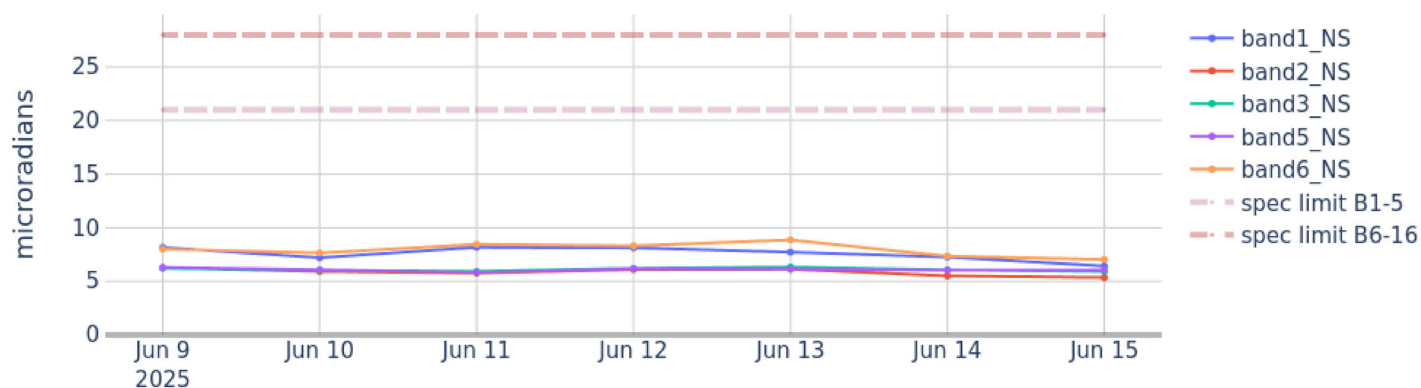
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



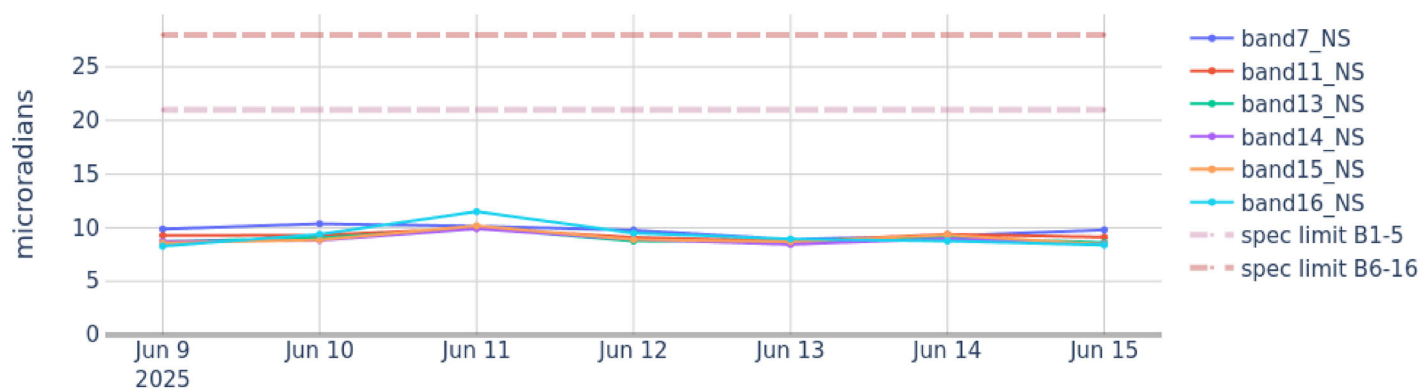
VNIR Daily ABSMEAN+3SIGMA NS

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

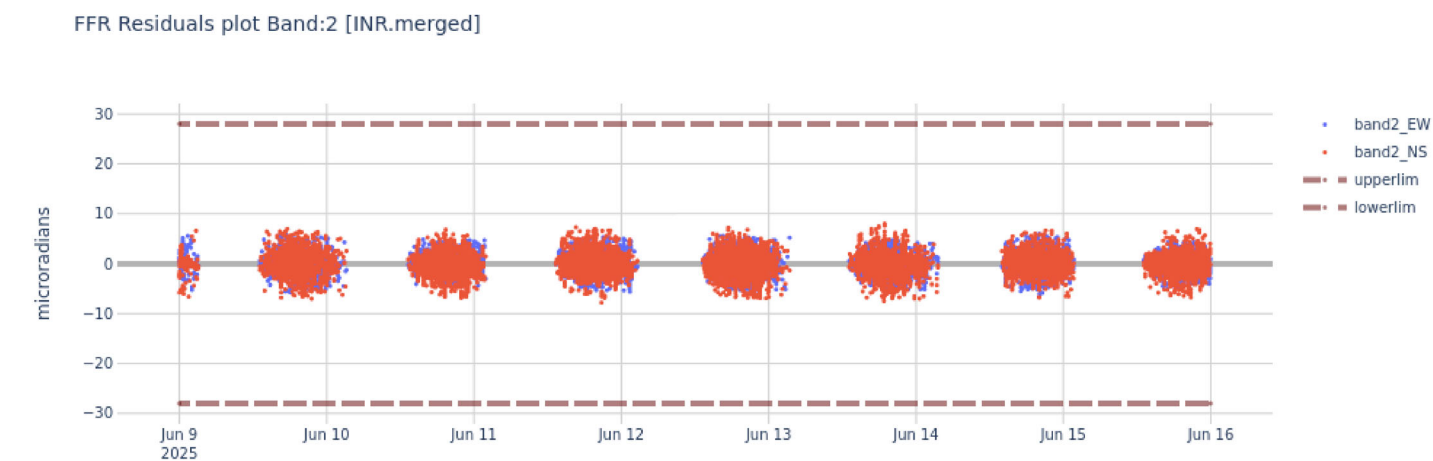


MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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



FFR Residuals Band:2



FFR Residuals Band:7

