

GOES-RSTU OSPO INR Report

Report Time Range 12/09/24 to 12/16/24

Satellite ID: GOES - 16

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% 11625/11625	100.00% 21856/21856	100.00% 22846/22846	100.00% 23658/23658	100.00% 12638/12638
NS	100.00% 11625/11625	100.00% 21856/21856	100.00% 22846/22846	100.00% 23658/23658	99.99% 12637/12638

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% 36743/36743	100.00% 36866/36866	100.00% 34680/34680	100.00% 31242/31242	100.00% 26069/26069	100.00% 19900/19900
NS	100.00% 36743/36743	100.00% 36865/36866	99.99% 34678/34680	100.00% 31242/31242	100.00% 26069/26069	100.00% 19900/19900

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% 27569/27569	100.00% 32959/32959	100.00% 37199/37199	100.00% 38452/38452	100.00% 19273/19273
NS	100.00% 27569/27569	100.00% 32959/32959	100.00% 37199/37199	100.00% 38452/38452	100.00% 19273/19273

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)

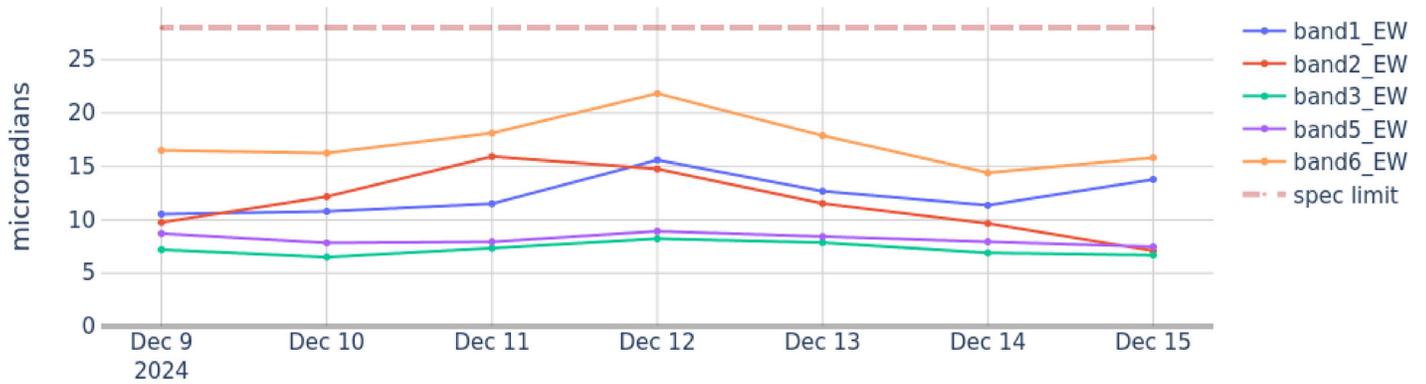
BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	100.00% 47304/47304	100.00% 49208/49208	100.00% 45189/45189	100.00% 39010/39010	100.00% 32786/32786	100.00% 29282/29282
NS	100.00% 47304/47304	100.00% 49208/49208	100.00% 45189/45189	100.00% 39010/39010	100.00% 32786/32786	100.00% 29282/29282

MWIR/LWIR FFR Points Within Limits Table 4

NAV Plots:

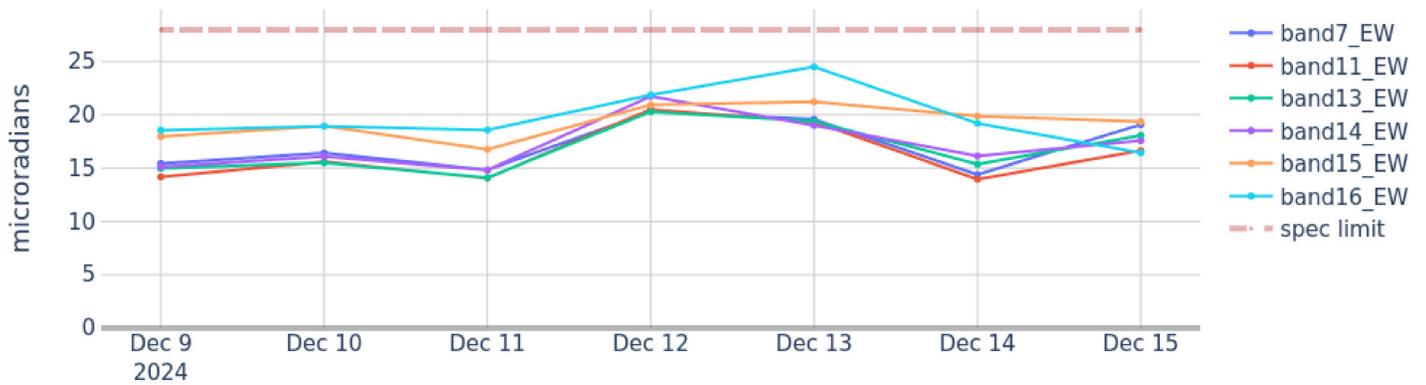
VNIR Daily ABSMEAN+3SIGMA EW

ABI FD EW NAV Daily ABSMEAN+3SIGMA (merged) G16



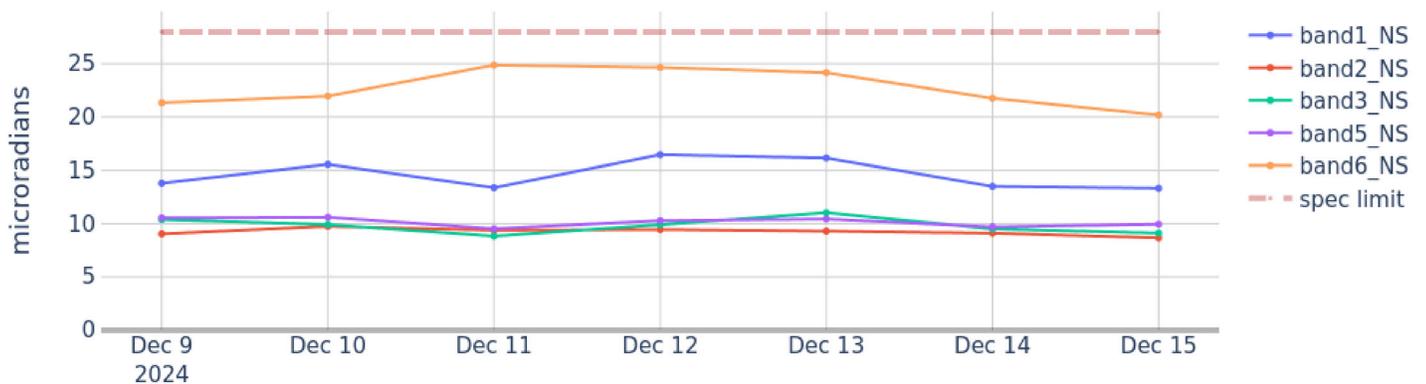
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

ABI FD EW NAV Daily ABSMEAN+3SIGMA (merged) G16



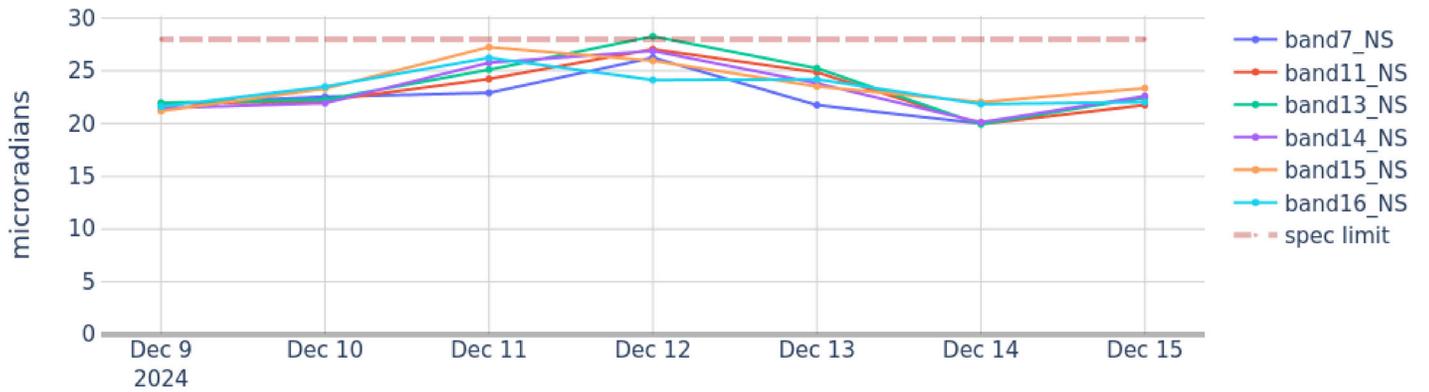
VNIR Daily ABSMEAN+3SIGMA NS

ABI FD NS NAV Daily ABSMEAN+3SIGMA (merged) G16



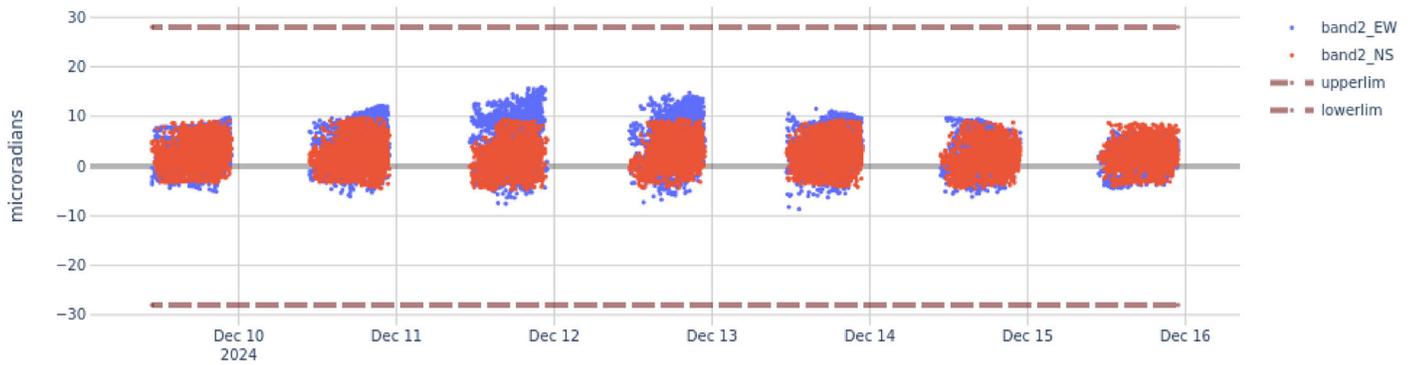
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

ABI FD NS NAV Daily ABSMEAN+3SIGMA (merged) G16



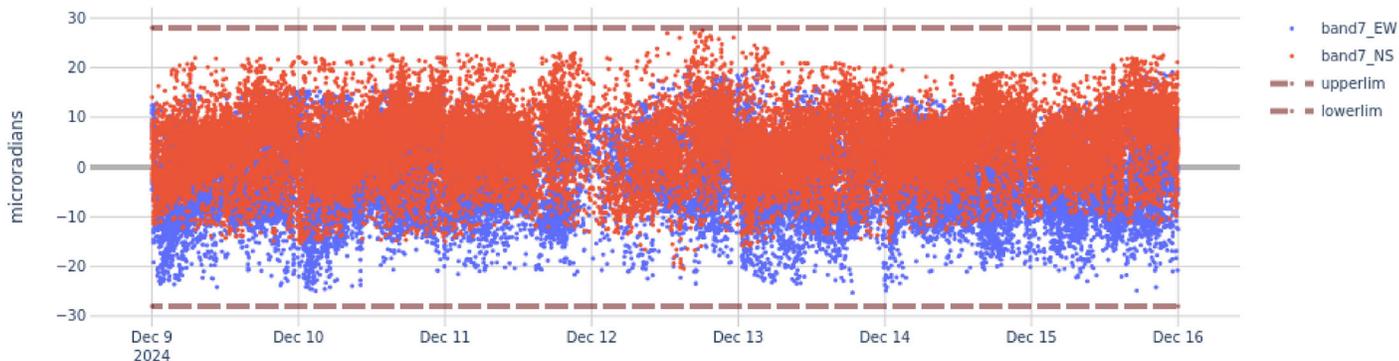
NAV Residuals Band:2

NAV Residuals plot Band:2 [INR.merged]



NAV Residuals Band:7

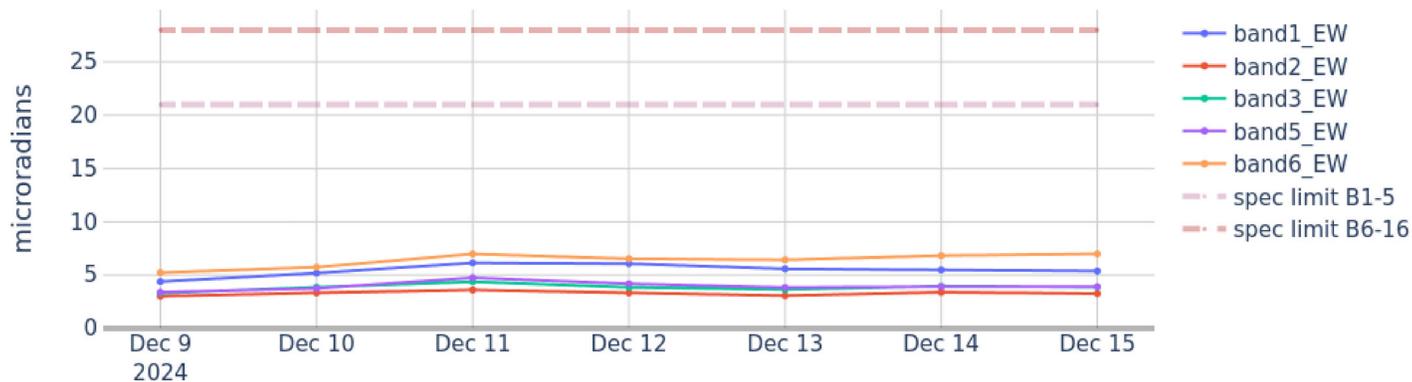
NAV Residuals plot Band:7 [INR.merged]



FFR Plots:

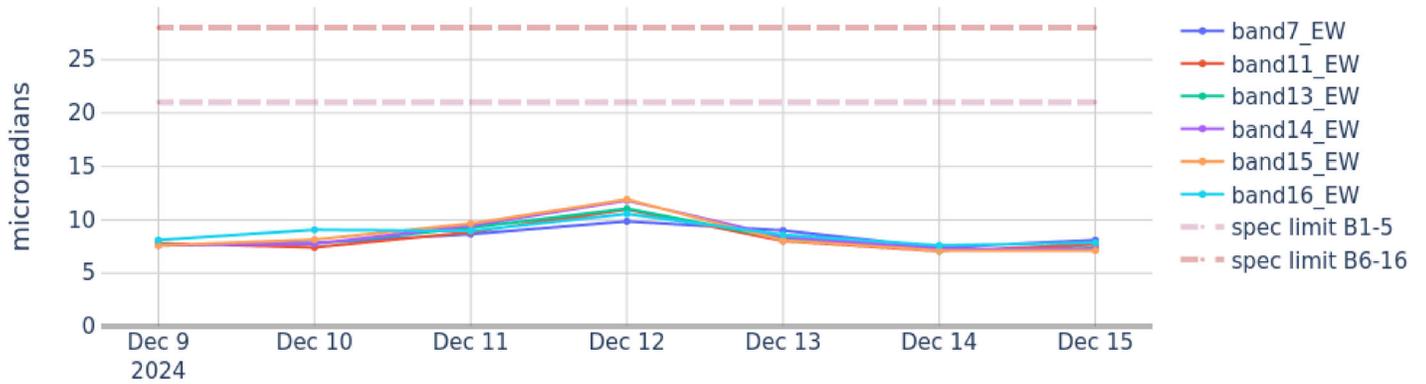
VNIR Daily ABSMEAN+3SIGMA EW

ABI FD EW FFR Daily ABSMEAN+3SIGMA (merged) G16



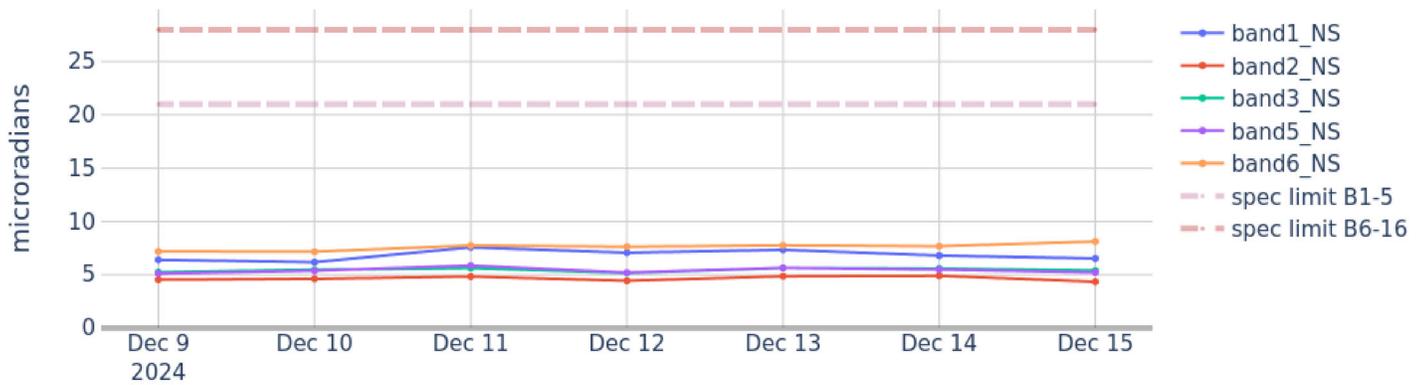
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

ABI FD EW FFR Daily ABSMEAN+3SIGMA (merged) G16



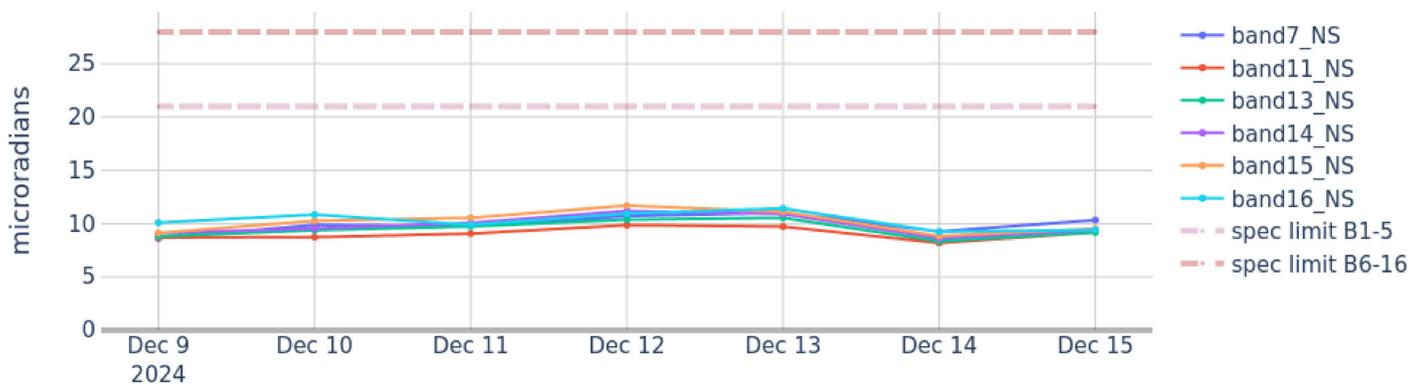
VNIR Daily ABSMEAN+3SIGMA NS

ABI FD NS FFR Daily ABSMEAN+3SIGMA (merged) G16



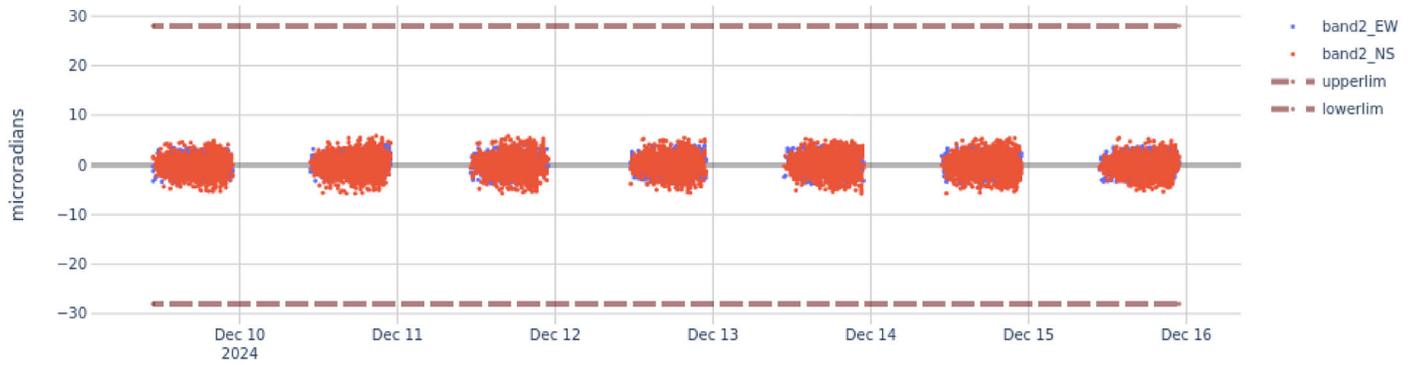
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

ABI FD NS FFR Daily ABSMEAN+3SIGMA (merged) G16



FFR Residuals Band:2

FFR Residuals plot Band:2 [INR.merged]



FFR Residuals Band:7

FFR Residuals plot Band:7 [INR.merged]

