

GOES-RSTU OSPO INR Report

Report Time Range 03/03/25 to 03/10/25

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% 17210/17210	100.00% 25311/25311	100.00% 25863/25863	100.00% 26346/26346	100.00% 13726/13726
NS	100.00% 17210/17210	100.00% 25311/25311	100.00% 25863/25863	100.00% 26346/26346	100.00% 13726/13726

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% 34964/34964	100.00% 35259/35259	100.00% 32983/32983	100.00% 28999/29000	99.98% 22840/22844	99.99% 18145/18147
NS	99.99% 34962/34964	99.95% 35240/35259	99.98% 32978/32983	99.97% 28991/29000	99.96% 22836/22844	99.94% 18137/18147

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% 29567/29567	100.00% 34102/34102	100.00% 37476/37476	100.00% 38895/38895	100.00% 20025/20025
NS	100.00% 29567/29567	100.00% 34102/34102	100.00% 37476/37476	100.00% 38895/38895	100.00% 20025/20025

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)

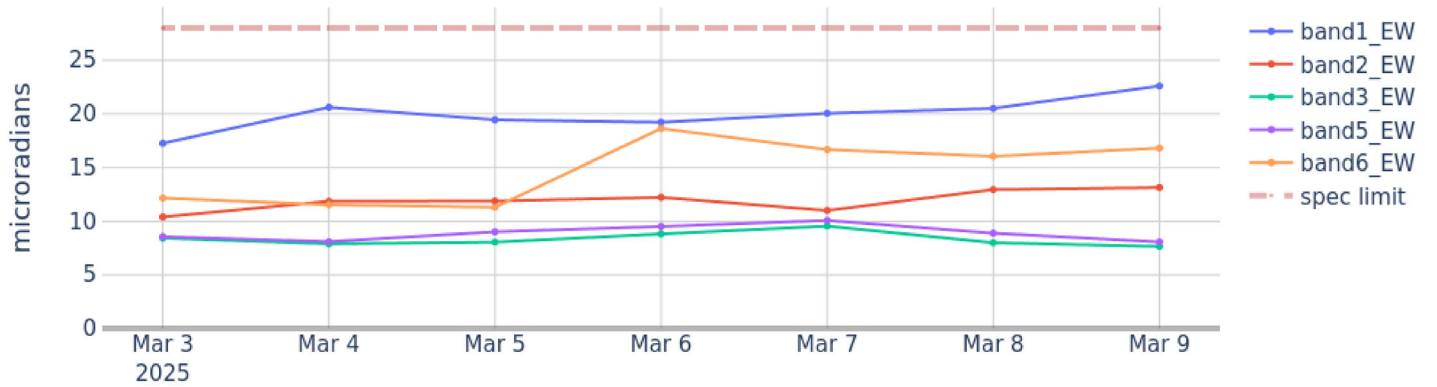
BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	100.00% 42709/42709	100.00% 45019/45019	100.00% 41543/41543	100.00% 35433/35433	100.00% 29304/29304	100.00% 27523/27523
NS	100.00% 42709/42709	100.00% 45019/45019	100.00% 41543/41543	100.00% 35433/35433	100.00% 29304/29304	100.00% 27523/27523

MWIR/LWIR FFR Points Within Limits Table 4

NAV Plots:

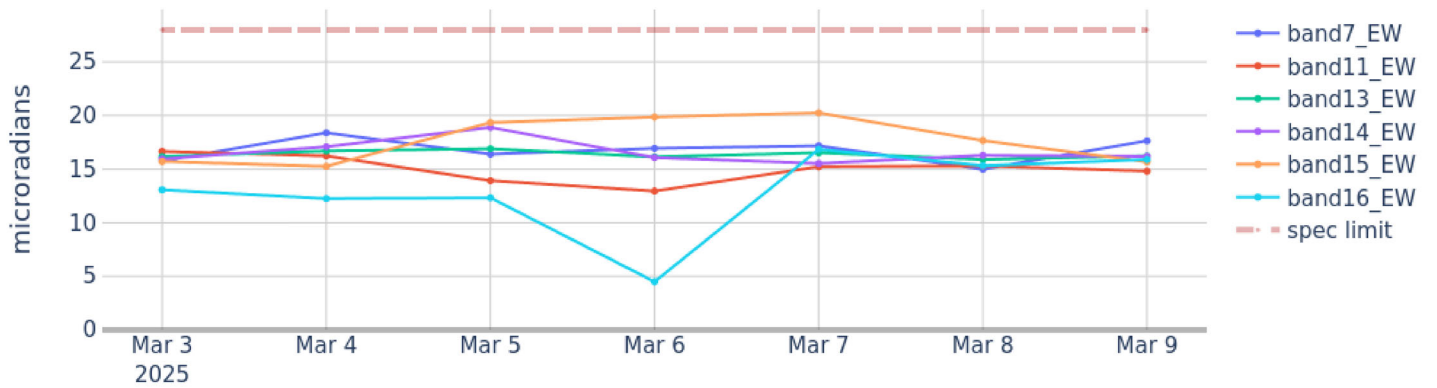
VNIR Daily ABSMEAN+3SIGMA EW

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



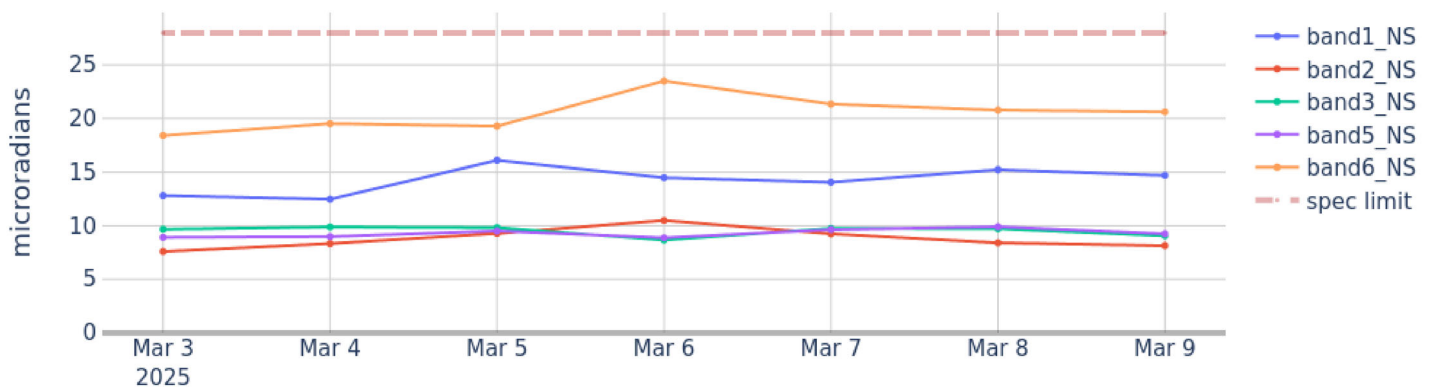
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



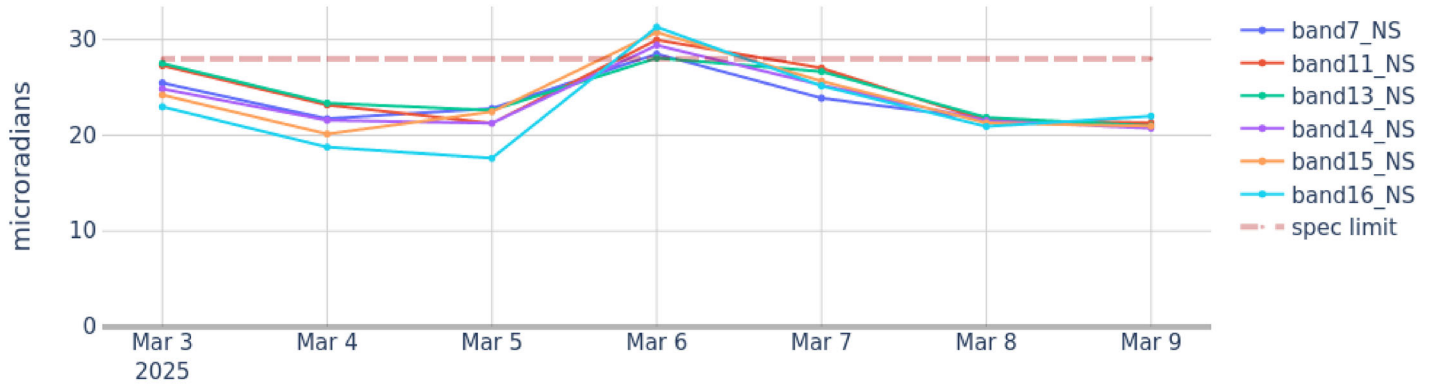
VNIR Daily ABSMEAN+3SIGMA NS

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



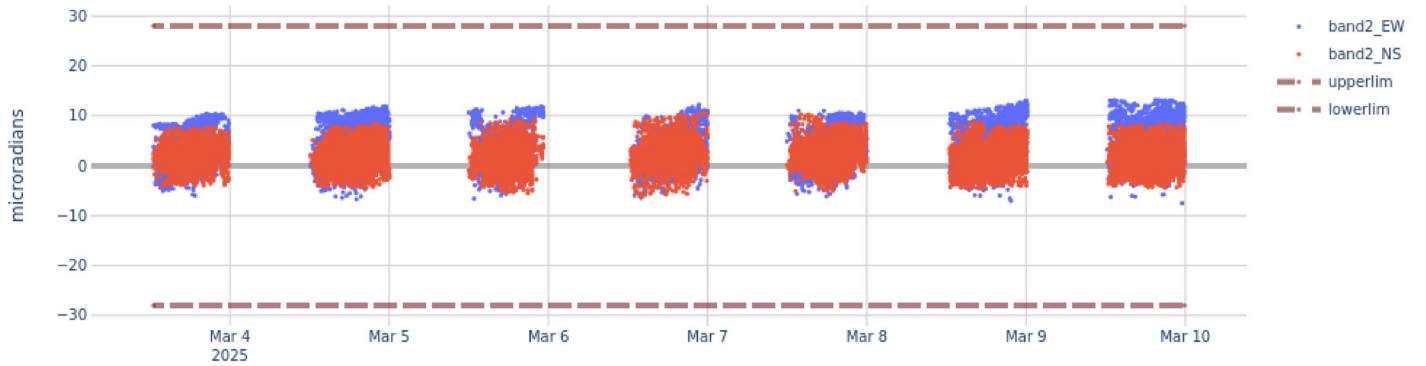
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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



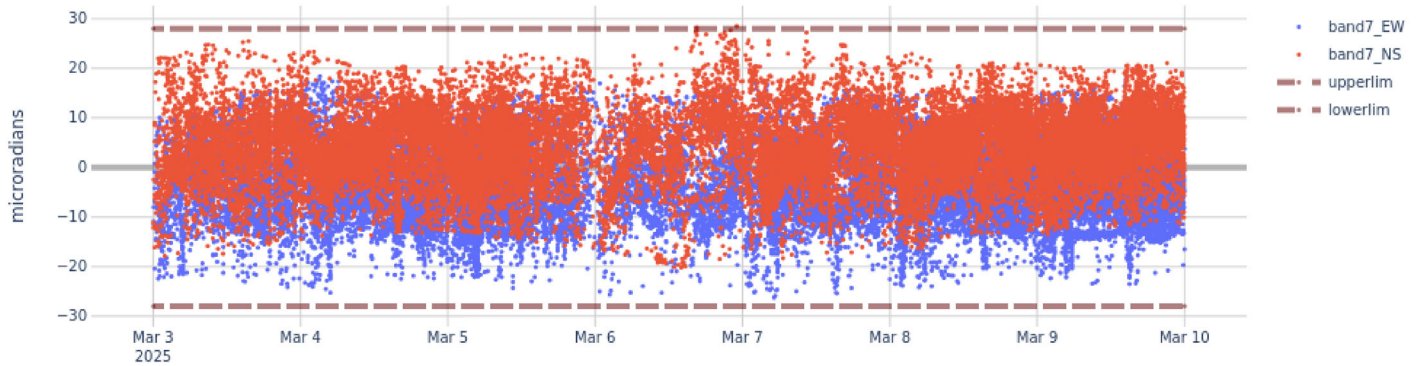
NAV Residuals Band:2

NAV Residuals plot Band:2 [INR.merged]



NAV Residuals Band:7

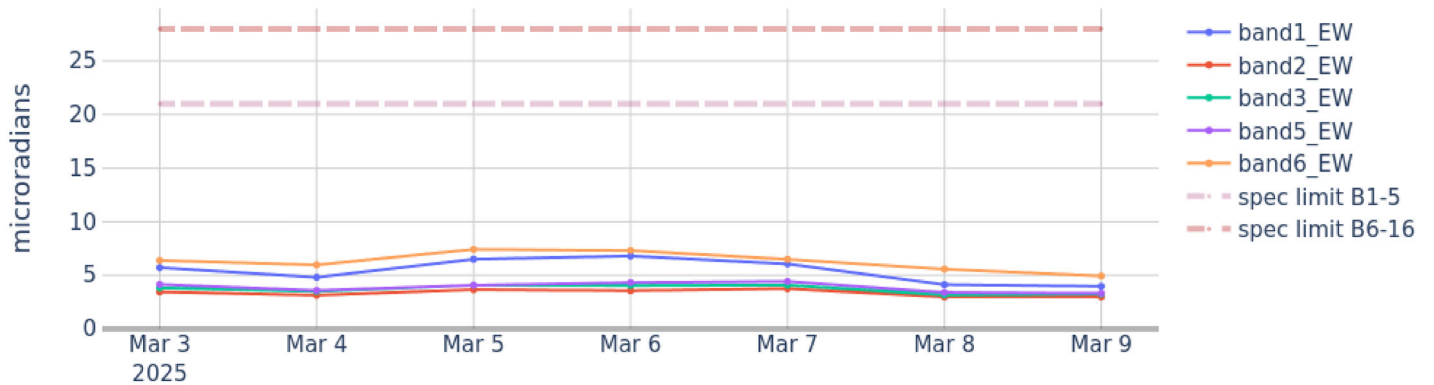
NAV Residuals plot Band:7 [INR.merged]



FFR Plots:

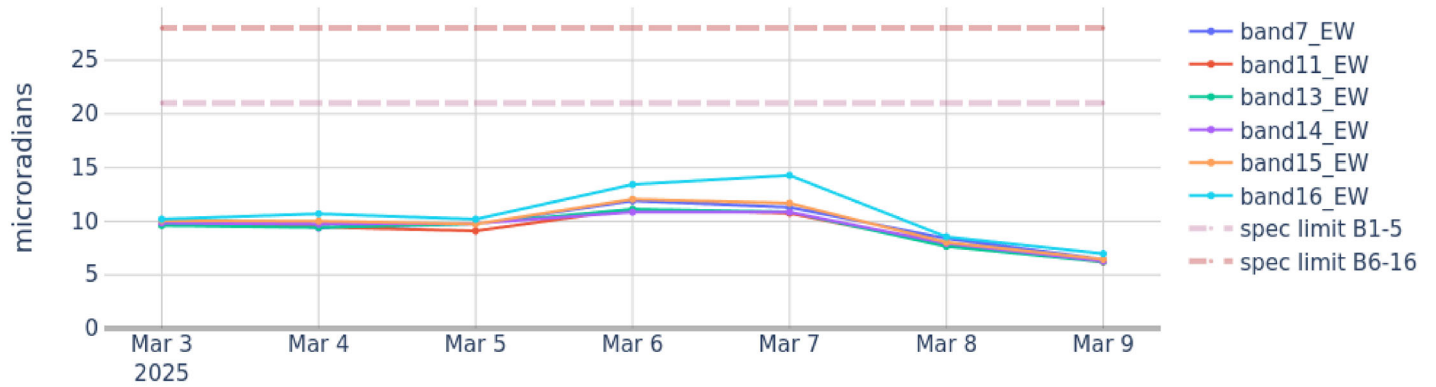
VNIR Daily ABSMEAN+3SIGMA EW

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



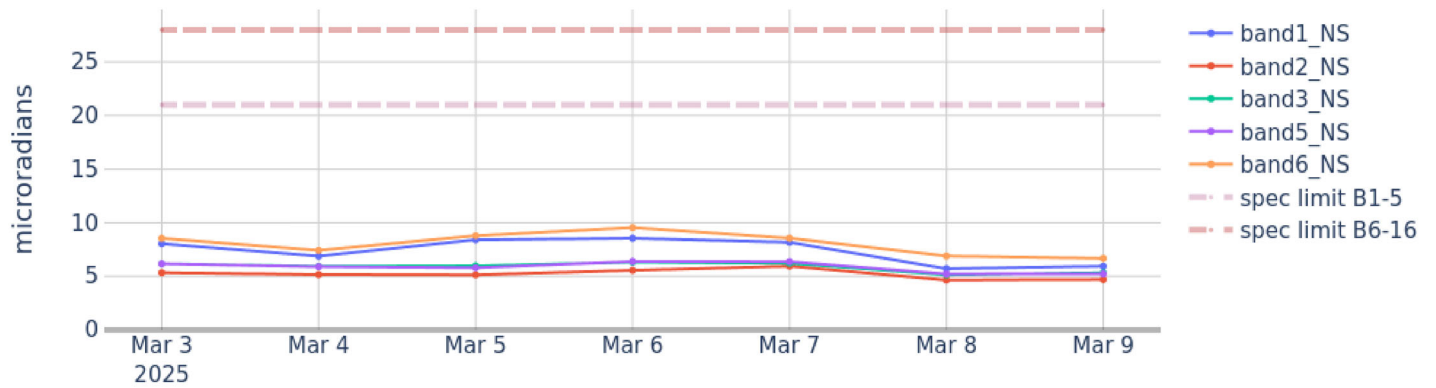
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



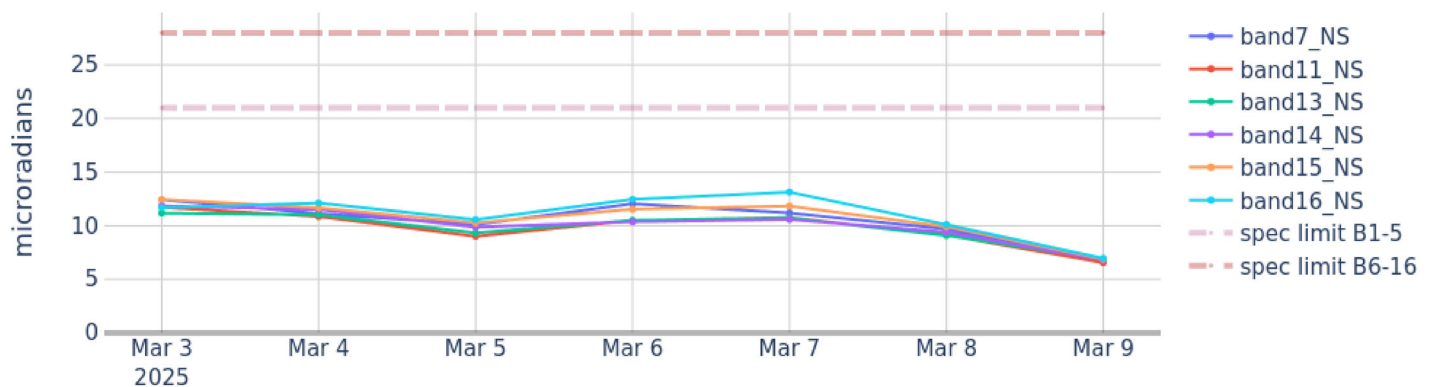
VNIR Daily ABSMEAN+3SIGMA NS

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



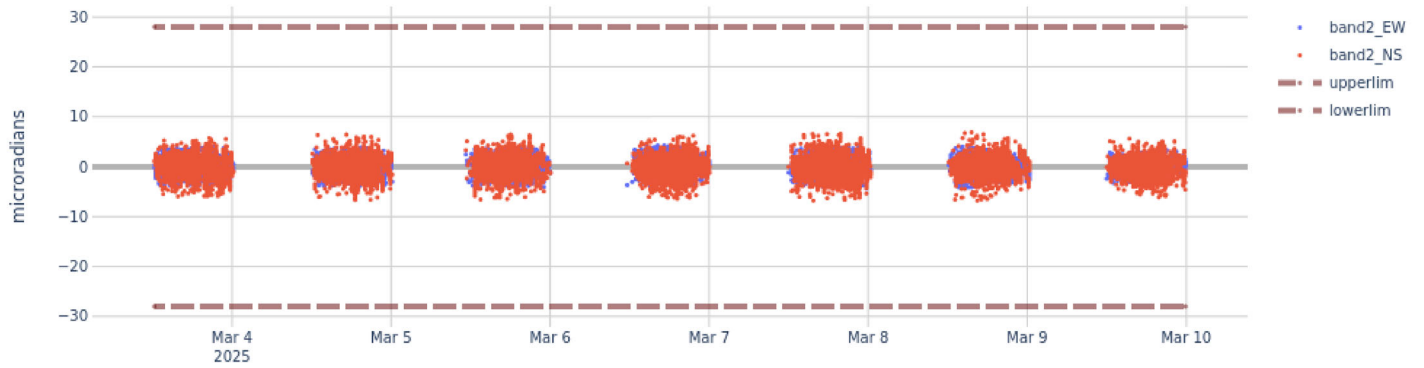
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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]

