

GOES-RSTU OSPO INR Report

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

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% 9568/9568	100.00% 17049/17049	100.00% 17066/17066	100.00% 17202/17202	100.00% 6004/6004
NS	100.00% 9568/9568	100.00% 17049/17049	100.00% 17066/17066	100.00% 17202/17202	100.00% 6004/6004

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% 23874/23875	99.98% 19627/19630	100.00% 23157/23158	99.99% 22242/22245	100.00% 16274/16274	100.00% 13693/13693
NS	99.97% 23869/23875	99.95% 19621/19630	99.97% 23150/23158	99.94% 22231/22245	99.93% 16263/16274	99.88% 13676/13693

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% 23550/23550	100.00% 26631/26631	100.00% 30854/30854	100.00% 32164/32164	100.00% 8012/8012
NS	100.00% 23550/23550	100.00% 26631/26631	100.00% 30854/30854	100.00% 32164/32164	100.00% 8012/8012

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)

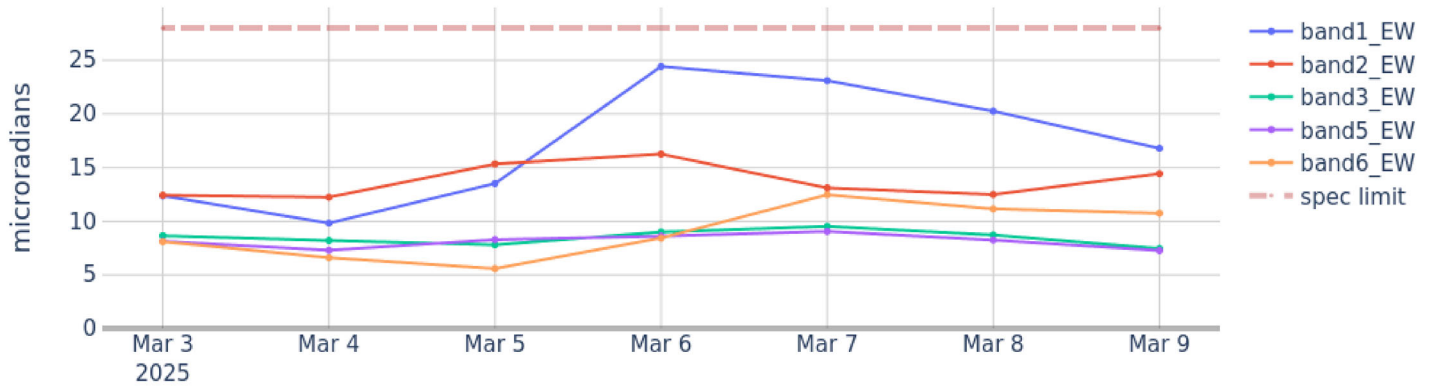
BAND	Ch 7	Ch 11	Ch 13	Ch 14	Ch 15	Ch 16
EW	100.00% 28039/28039	100.00% 22058/22058	100.00% 25711/25711	100.00% 25084/25084	100.00% 18258/18258	100.00% 16771/16771
NS	100.00% 28039/28039	100.00% 22058/22058	100.00% 25711/25711	100.00% 25084/25084	100.00% 18258/18258	100.00% 16771/16771

MWIR/LWIR FFR Points Within Limits Table 4

NAV Plots:

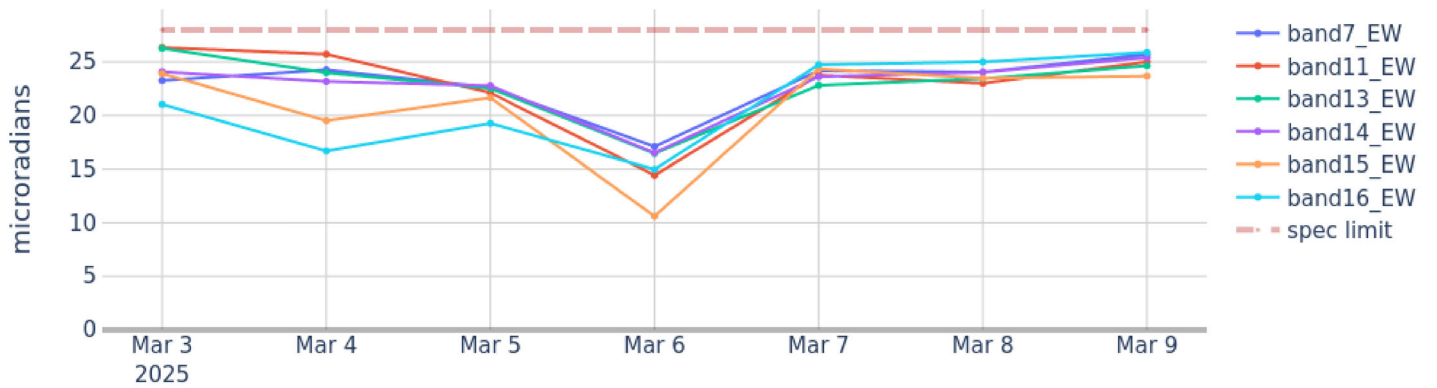
VNIR Daily ABSMEAN+3SIGMA EW

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



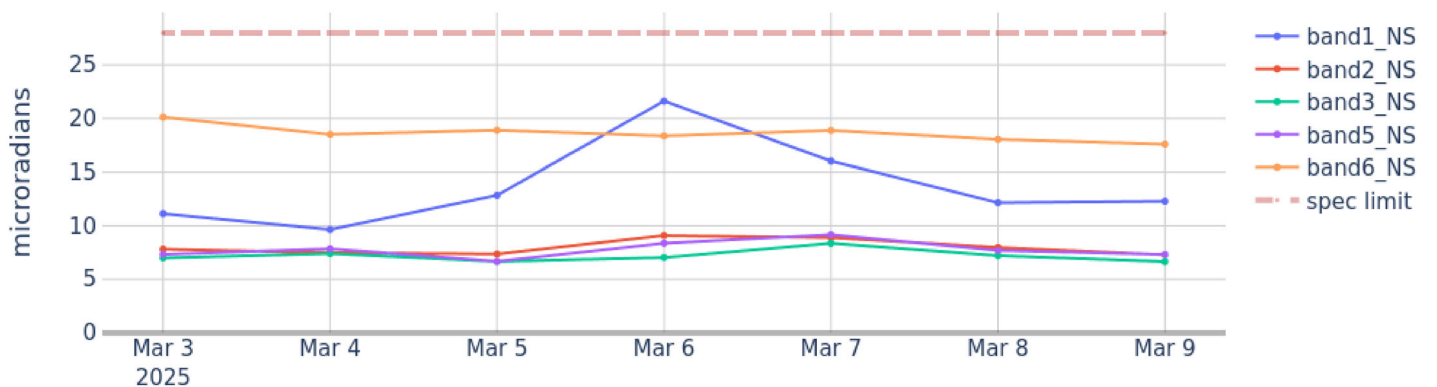
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



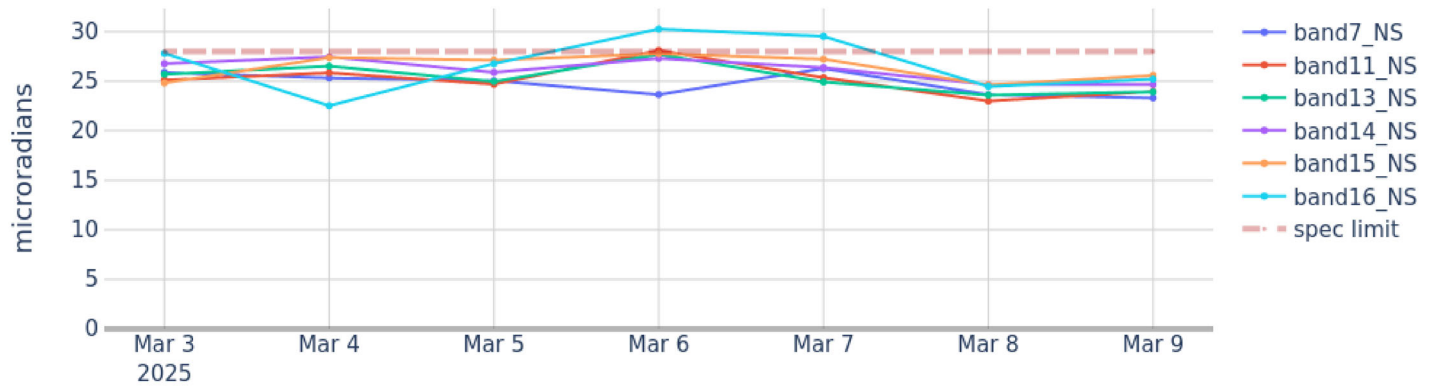
VNIR Daily ABSMEAN+3SIGMA NS

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



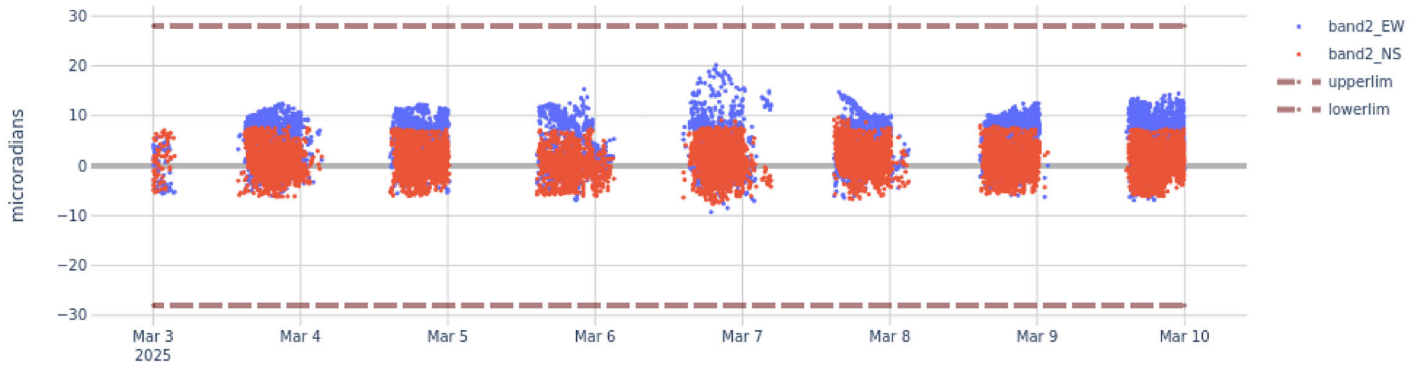
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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



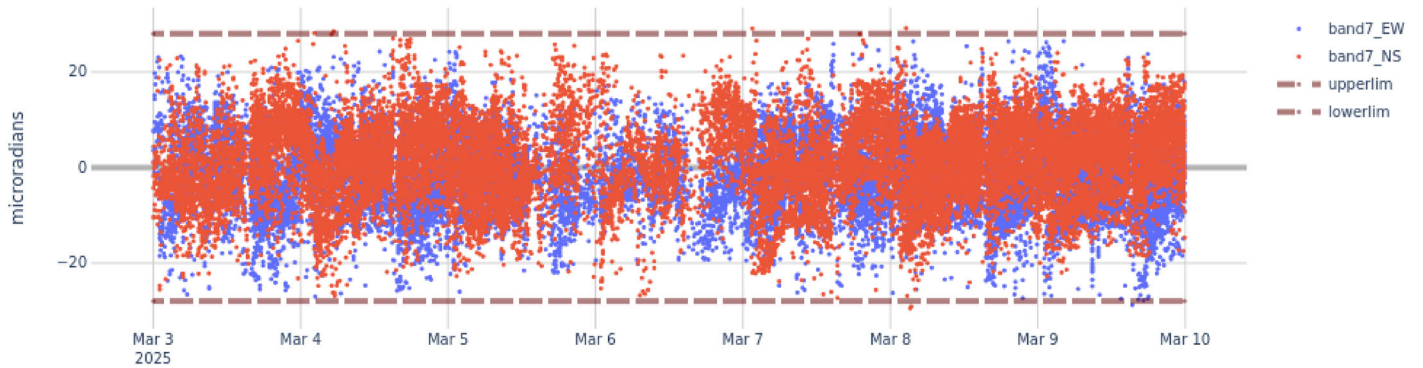
NAV Residuals Band:2

NAV Residuals plot Band:2 [INR.merged]



NAV Residuals Band:7

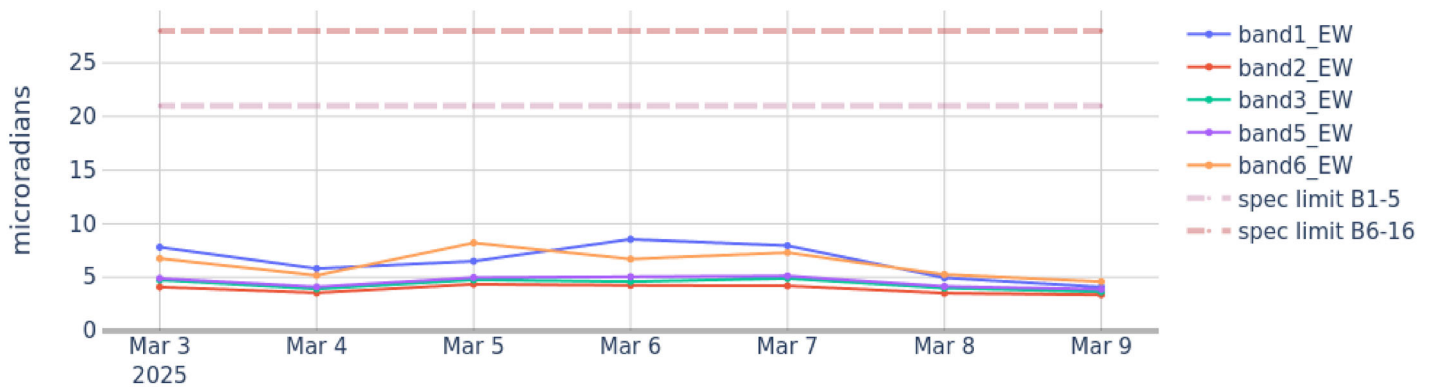
NAV Residuals plot Band:7 [INR.merged]



FFR Plots:

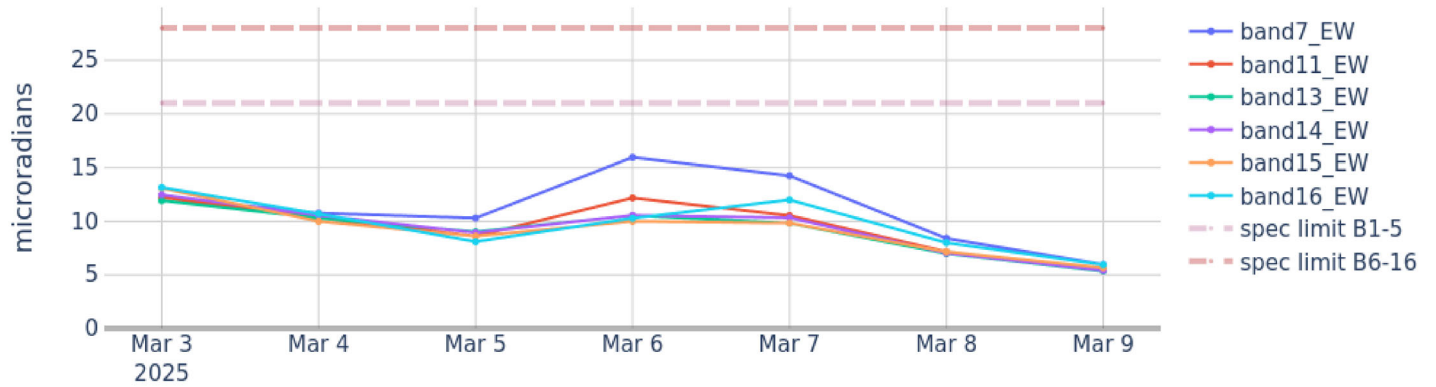
VNIR Daily ABSMEAN+3SIGMA EW

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



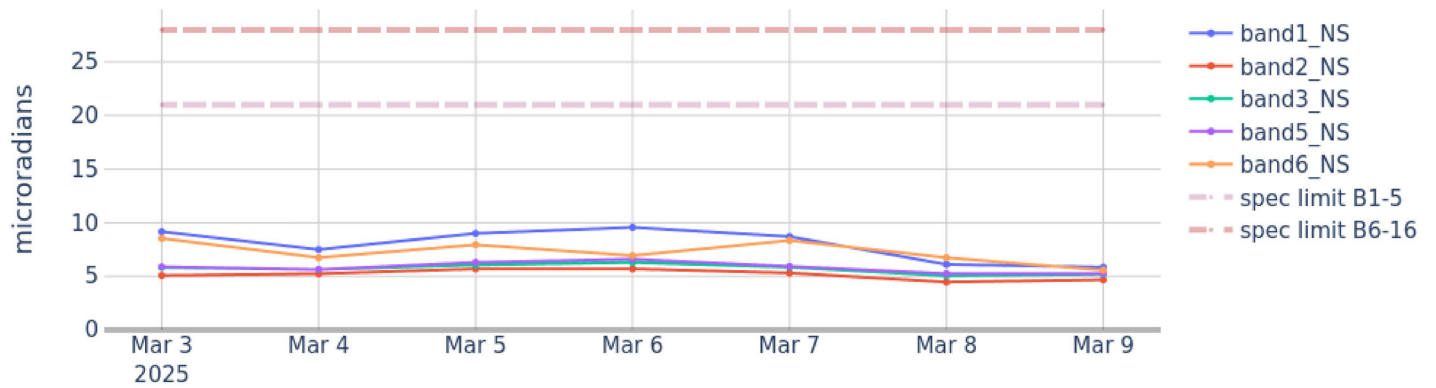
MWIR/LWIR Daily ABSMEAN+3SIGMA EW

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



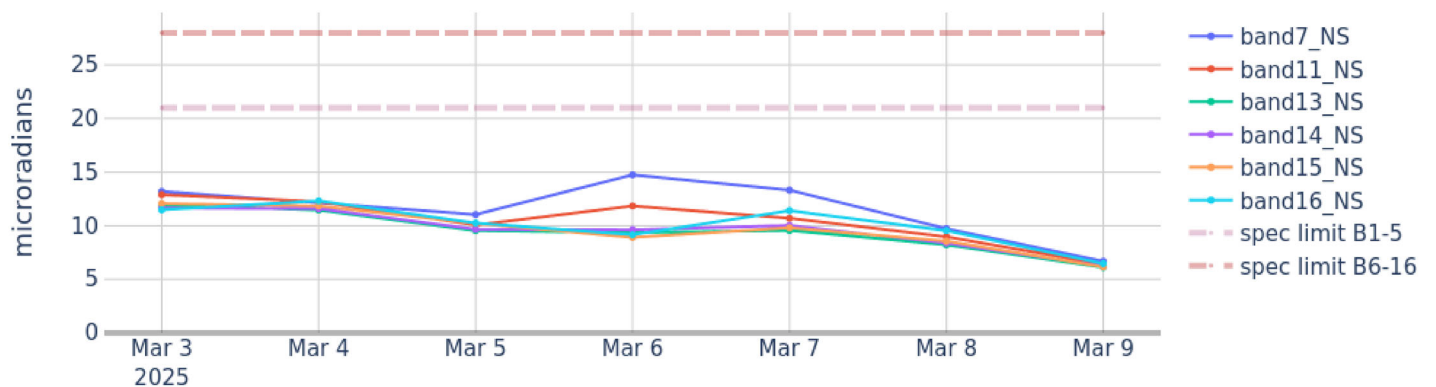
VNIR Daily ABSMEAN+3SIGMA NS

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



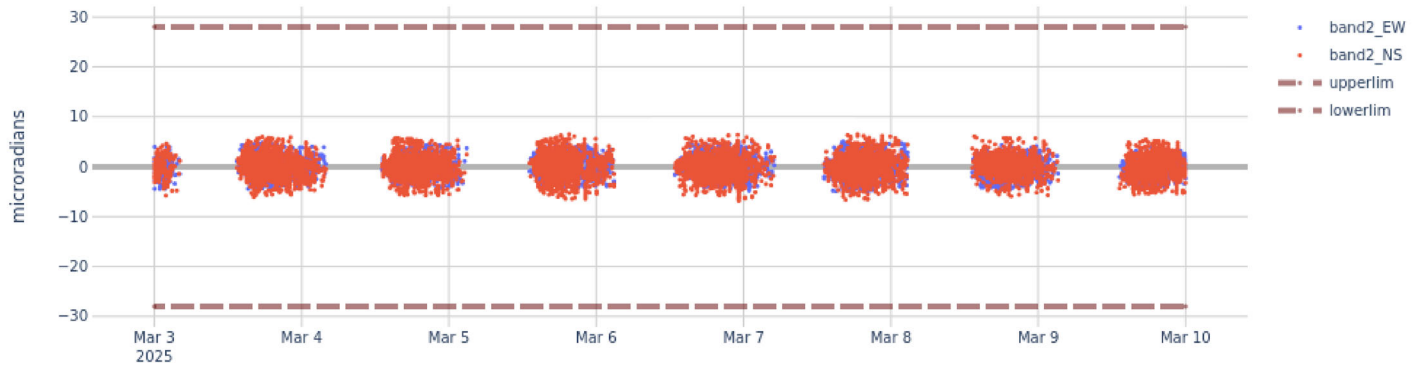
MWIR/LWIR Daily ABSMEAN+3SIGMA NS

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



FFR Residuals Band:2

FFR Residuals plot Band:2 [INR.merged]



FFR Residuals Band:7

FFR Residuals plot Band:7 [INR.merged]

