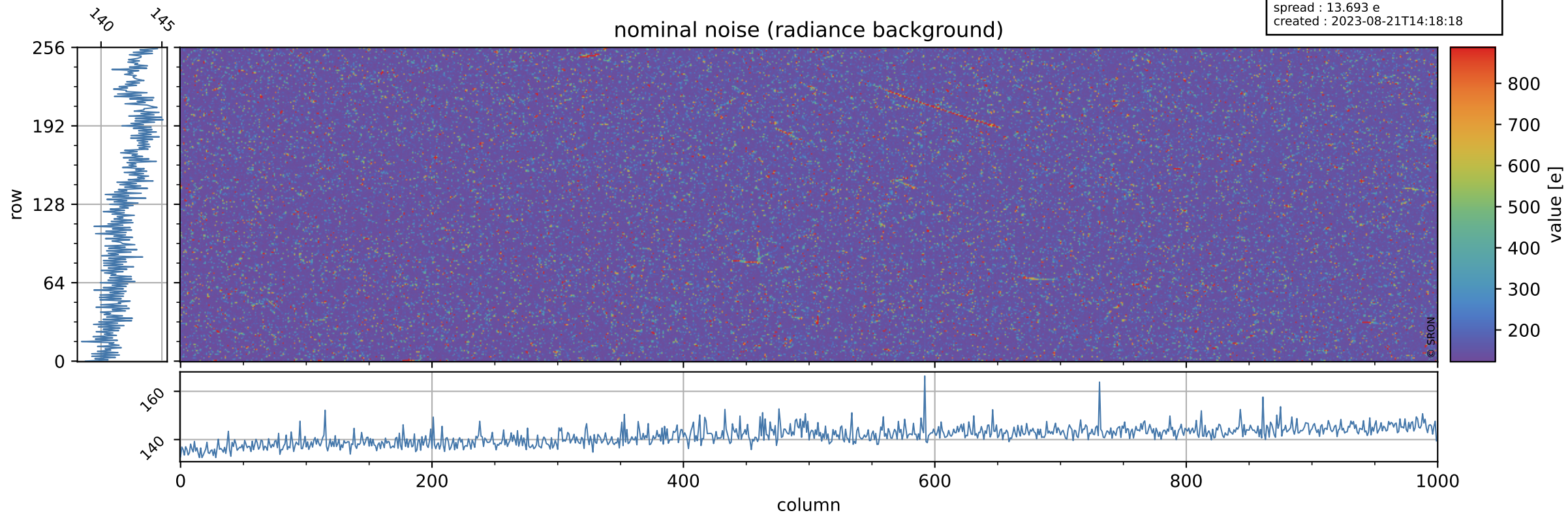


Tropomi SWIR background noise (swir)

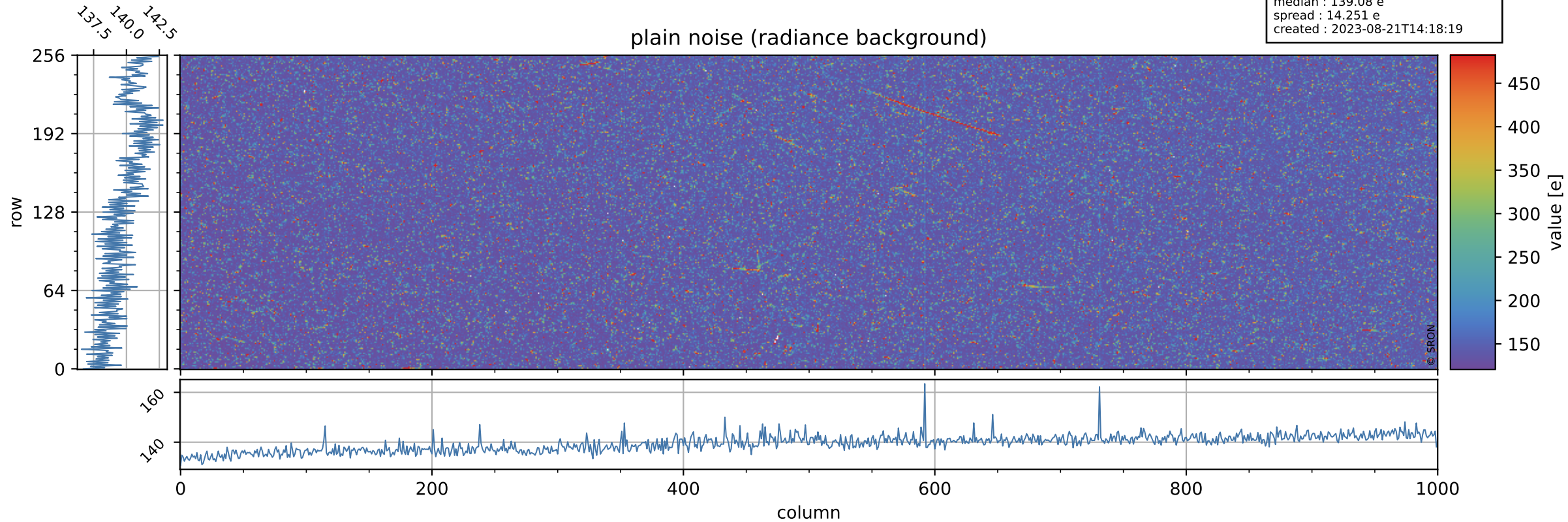
orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
n_coad, t_exp : 2, 0.5383
median : 141.07 e
spread : 13.693 e
created : 2023-08-21T14:18:18



Tropomi SWIR background noise (swir)

orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
n_coad, t_exp : 2, 0.5383
median : 139.08 e
spread : 14.251 e
created : 2023-08-21T14:18:19

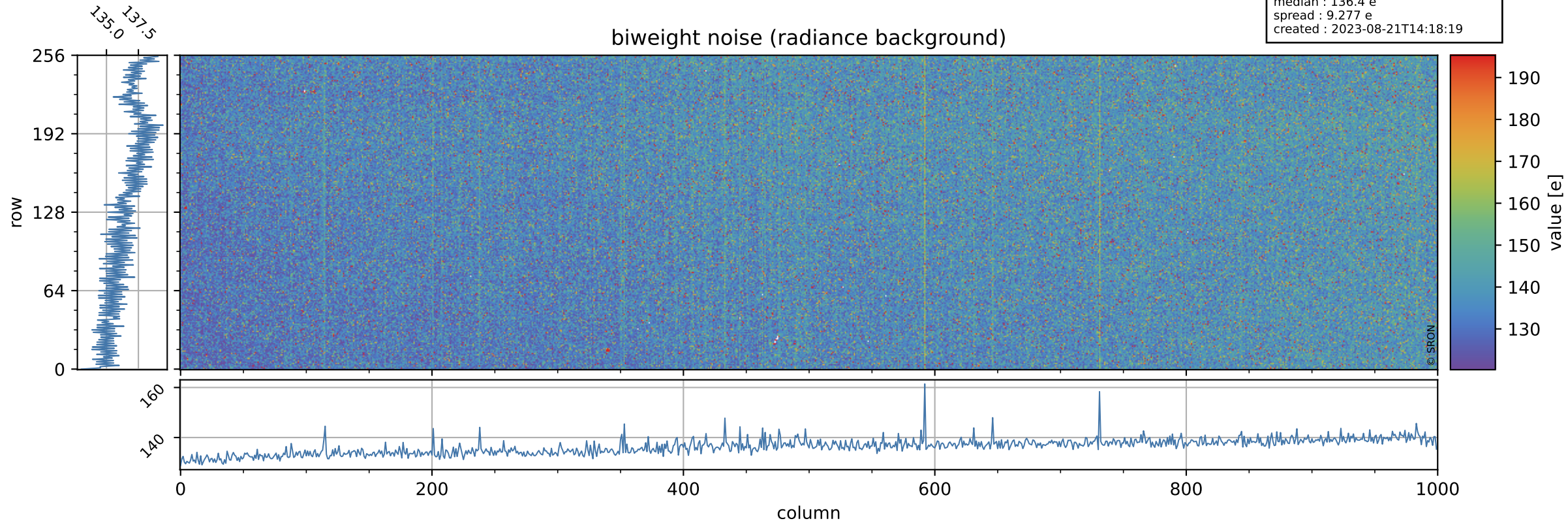
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
n_coad, t_exp : 2, 0.5383
median : 136.4 e
spread : 9.277 e
created : 2023-08-21T14:18:19

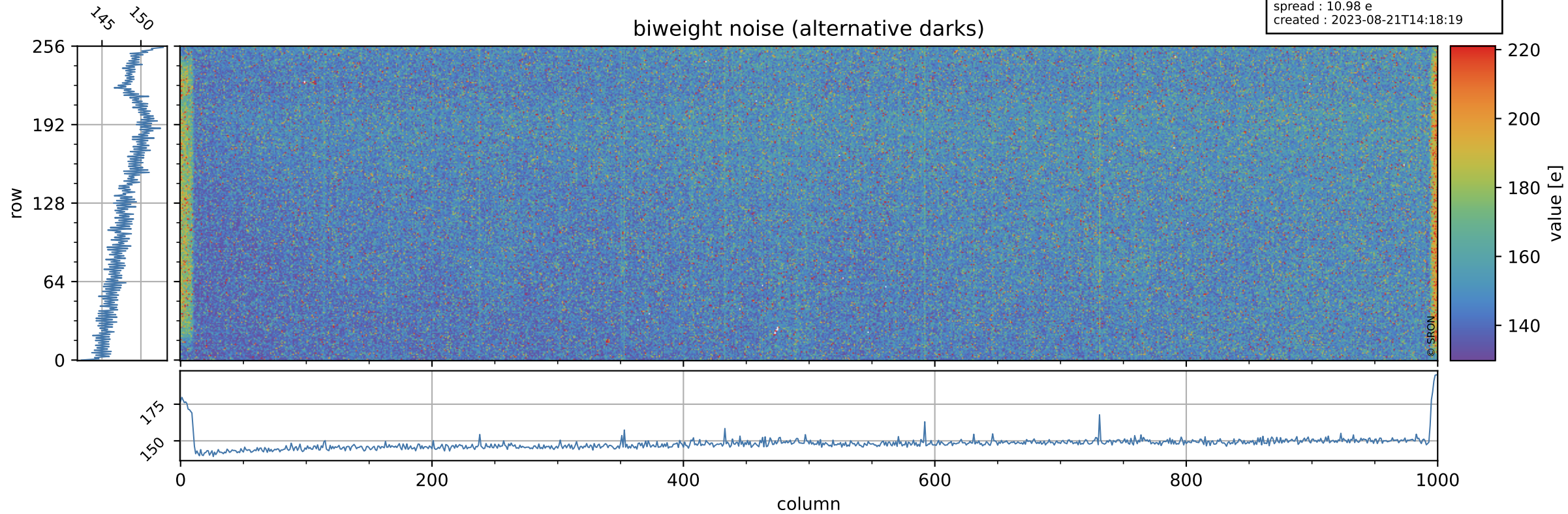
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
n_coad, t_exp : 1, 1.0783
median : 147.88 e
spread : 10.98 e
created : 2023-08-21T14:18:19

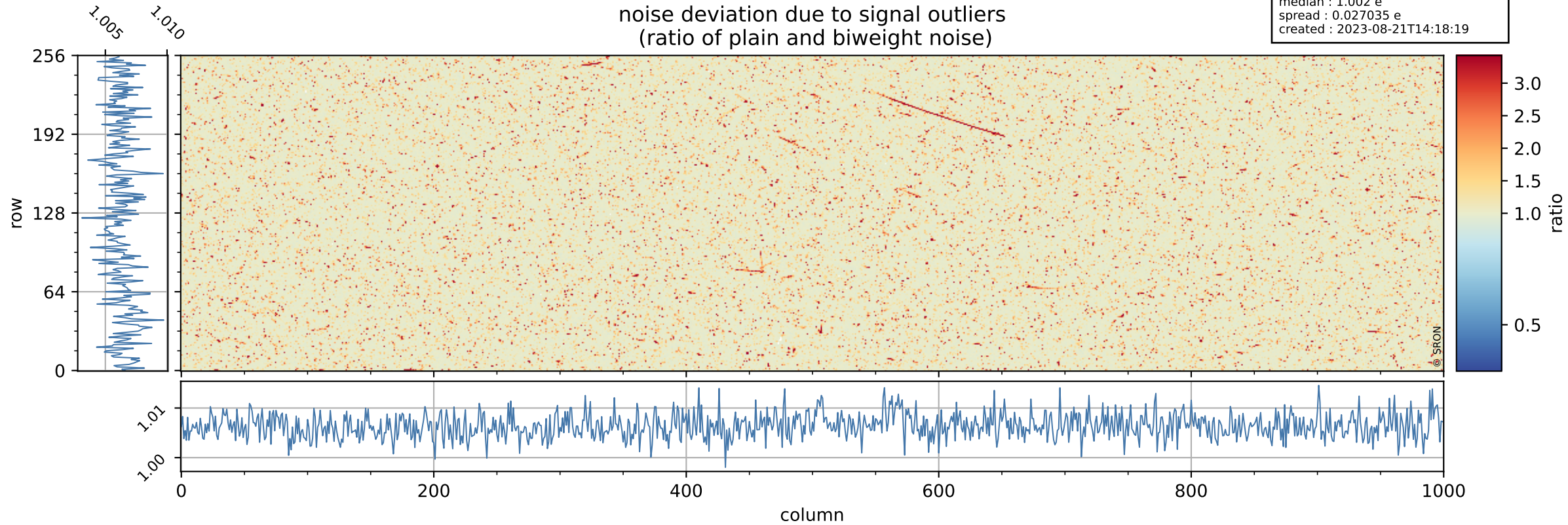
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

noise deviation due to signal outliers
(ratio of plain and biweight noise)

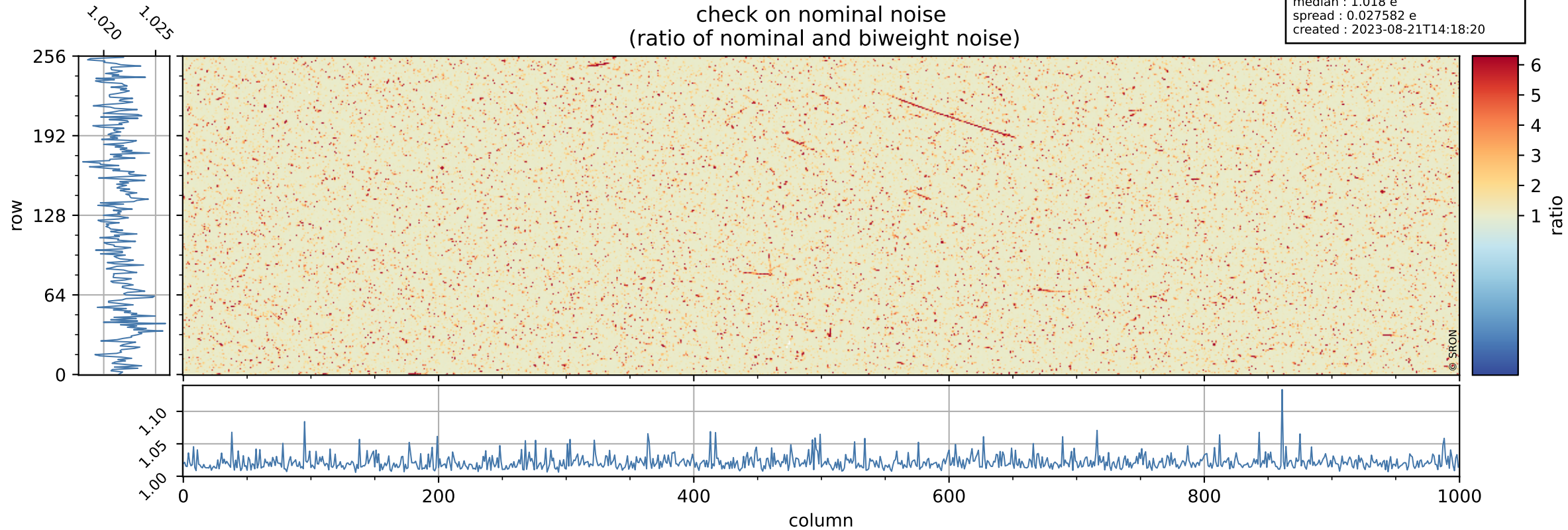
orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
median : 1.002 e
spread : 0.027035 e
created : 2023-08-21T14:18:19



Tropomi SWIR background noise (swir)

check on nominal noise
(ratio of nominal and biweight noise)

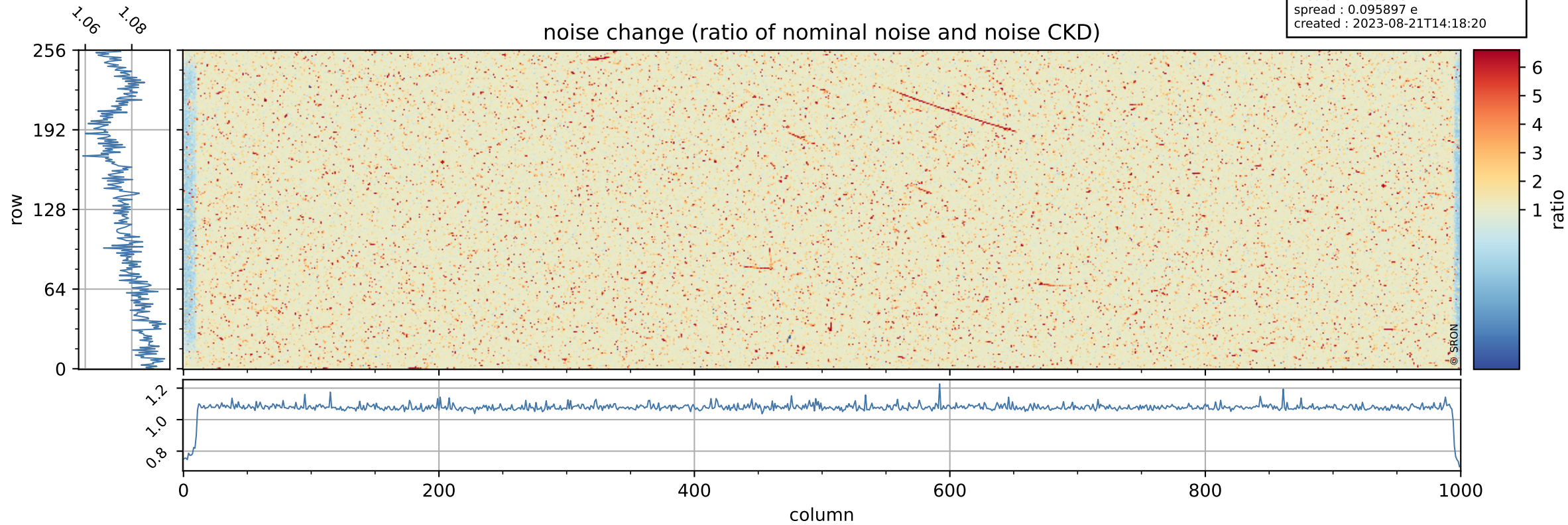
orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
median : 1.018 e
spread : 0.027582 e
created : 2023-08-21T14:18:20



Tropomi SWIR background noise (swir)

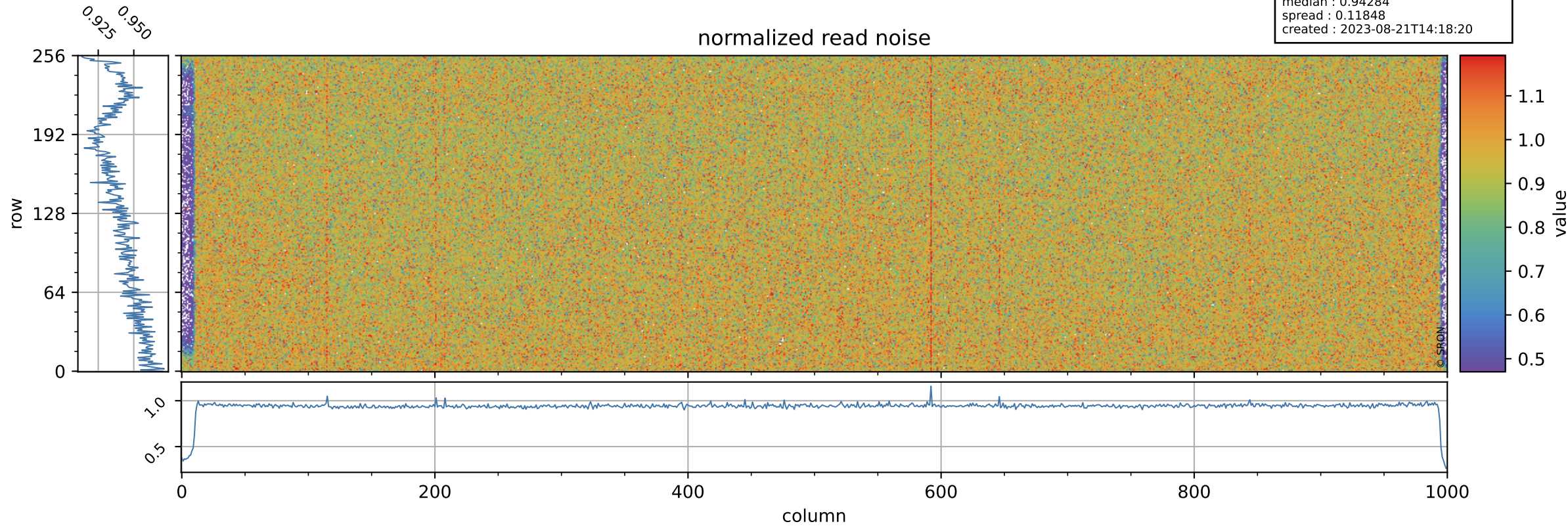
orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
median : 1.0681 e
spread : 0.095897 e
created : 2023-08-21T14:18:20

noise change (ratio of nominal noise and noise CKD)



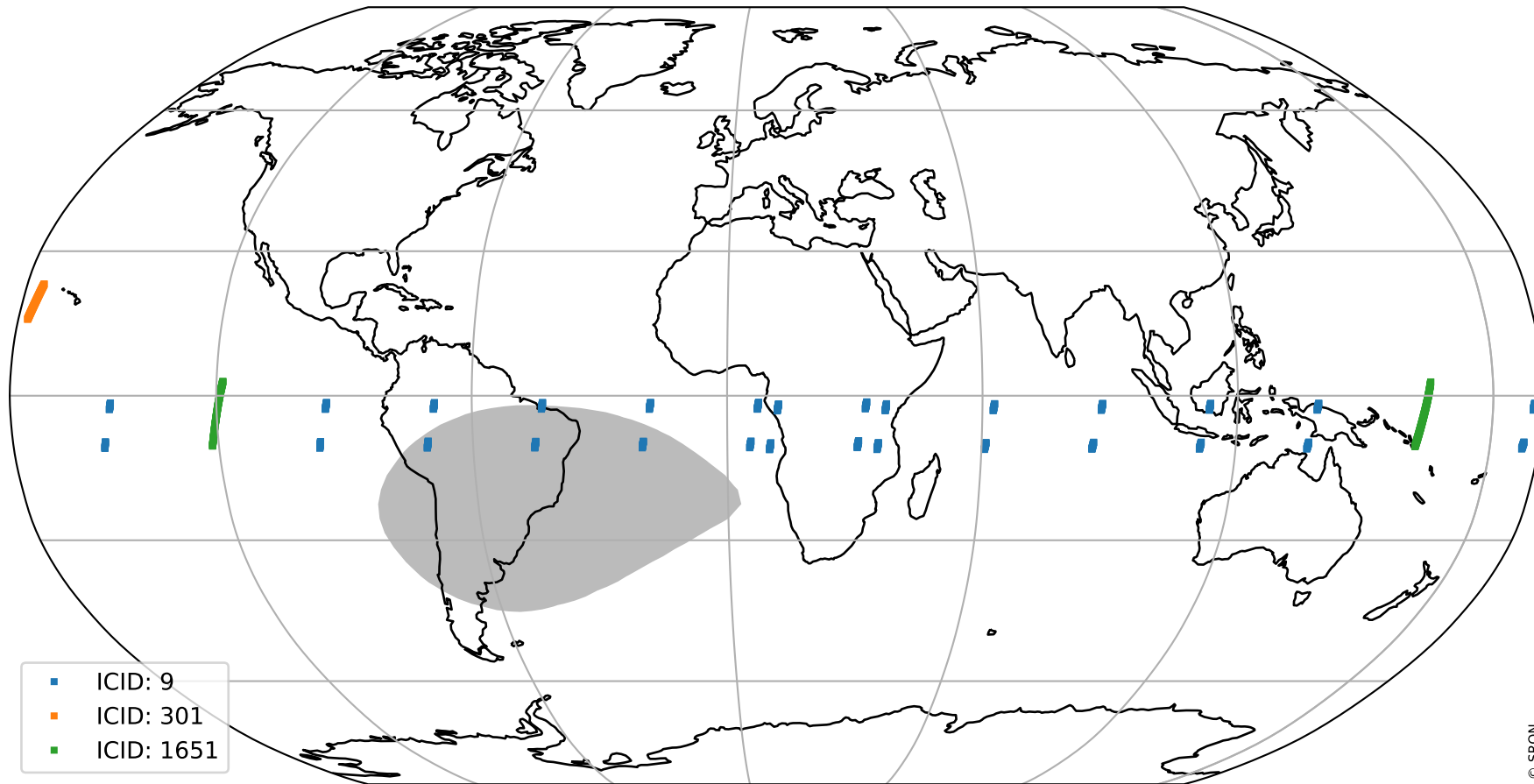
Tropomi SWIR background noise (swir)

orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
median : 0.94284
spread : 0.11848
created : 2023-08-21T14:18:20



Tropomi SWIR background noise (swir) ground-tracks of Sentinel-5P

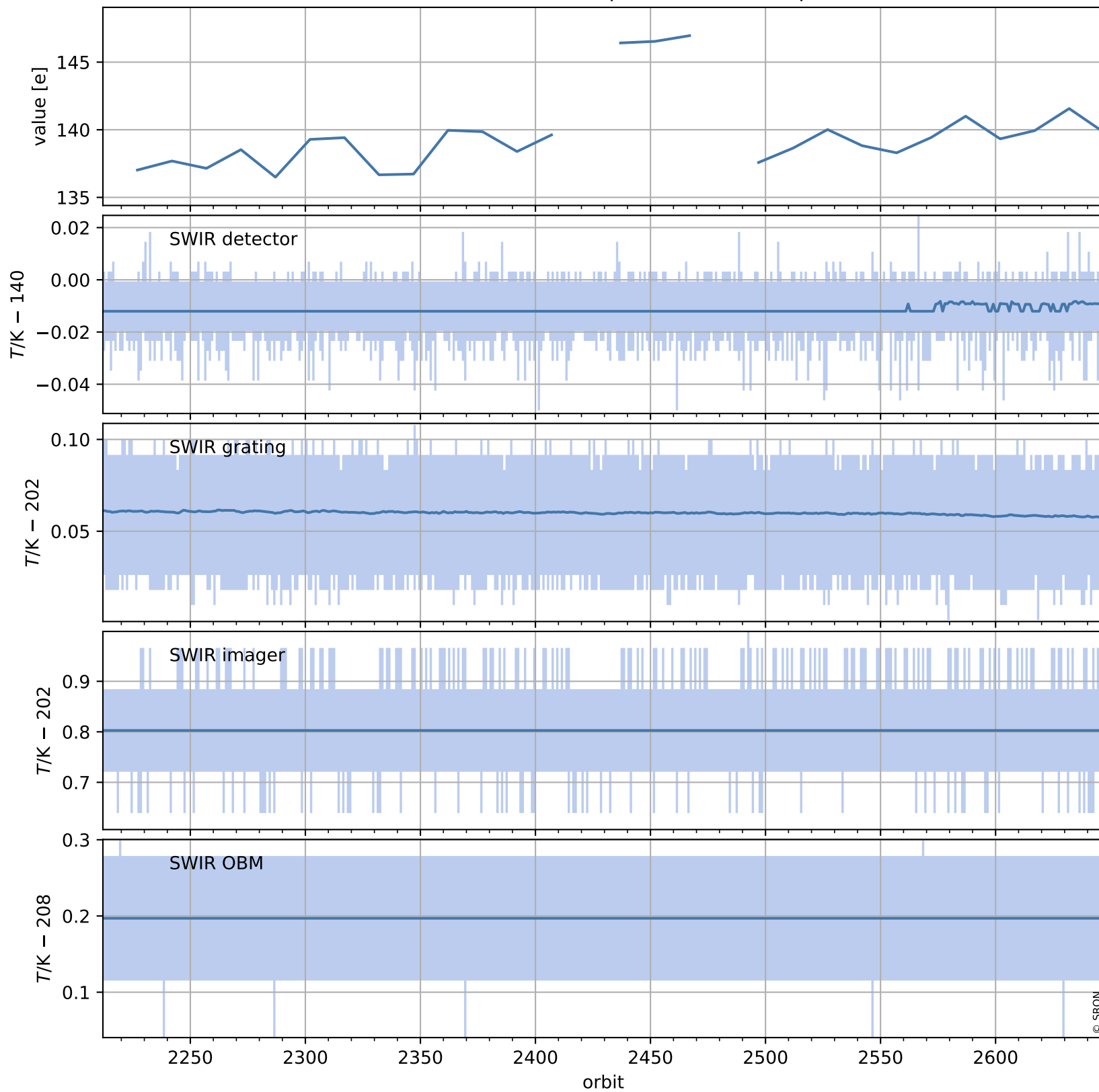
orbits : 14 in [2632, 2647]
coverage : 2018-04-16 / 2018-04-18
created : 2023-08-21T14:18:20



Tropomi SWIR background noise (swir)

orbits : [2212, 2647]
coverage : 2018-03-18 / 2018-04-18
created : 2023-08-21T14:18:21

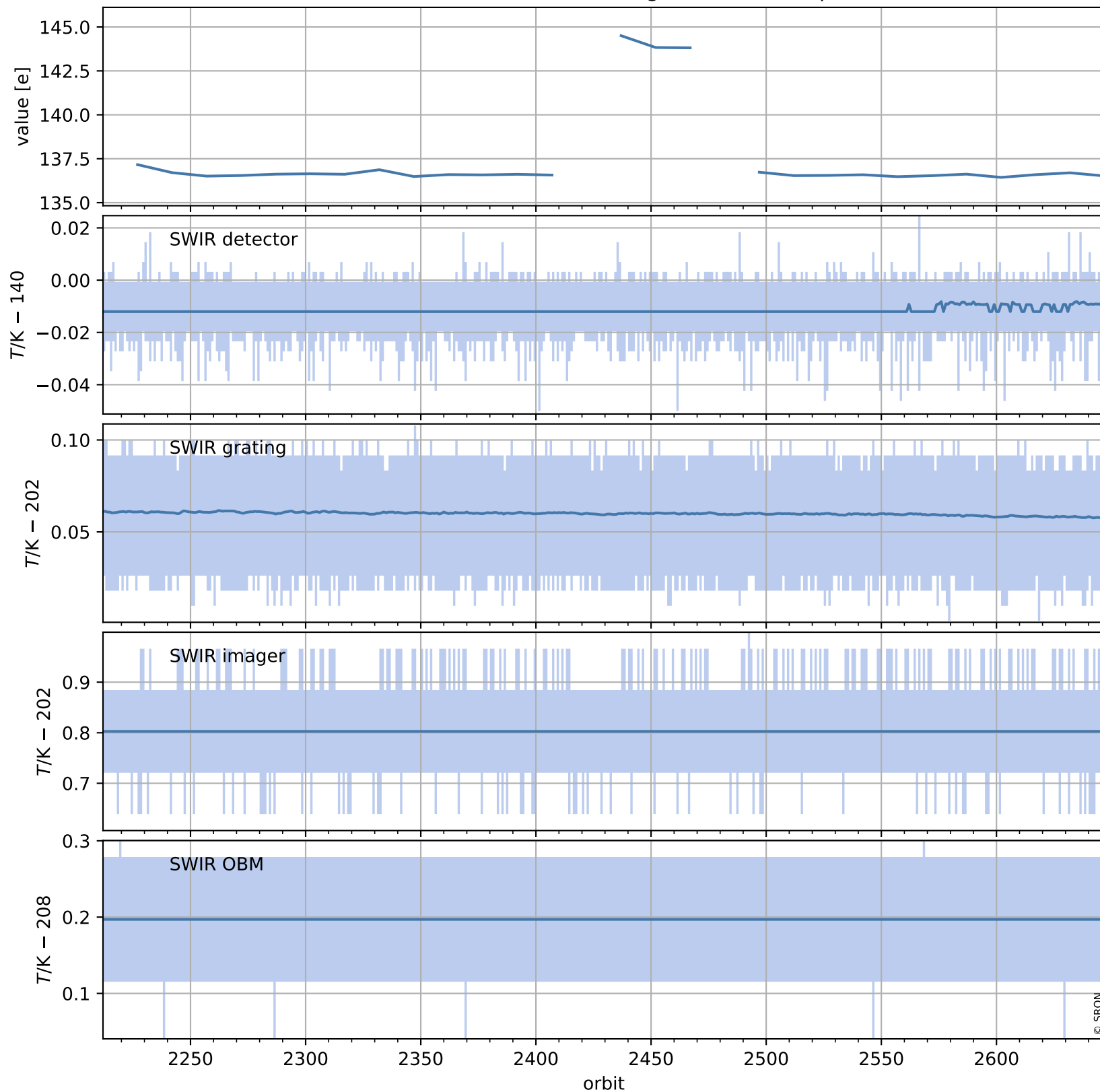
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2647]
coverage : 2018-03-18 / 2018-04-18
created : 2023-08-21T14:18:21

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2647]
coverage : 2018-03-18 / 2018-04-18
created : 2023-08-21T14:18:22

trend of normalized read-noise & temperatures

