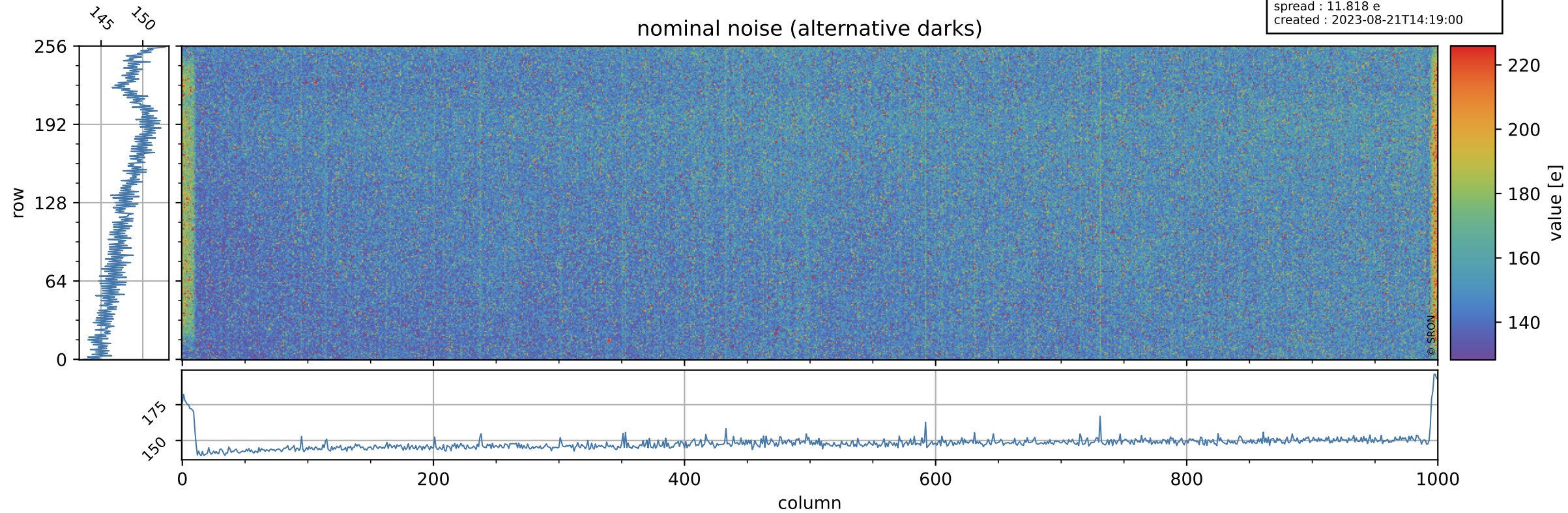


Tropomi SWIR background noise (swir)

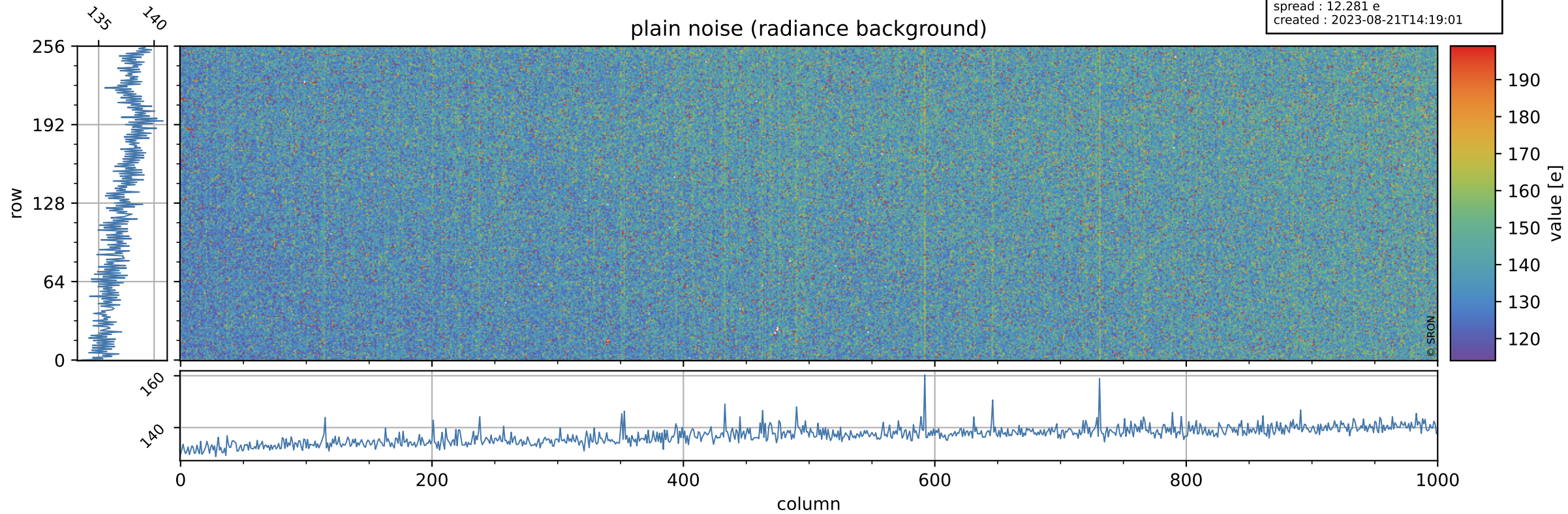
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
n_coad, t_exp : 1, 1.0783
median : 147.83 e
spread : 11.818 e
created : 2023-08-21T14:19:00



Tropomi SWIR background noise (swir)

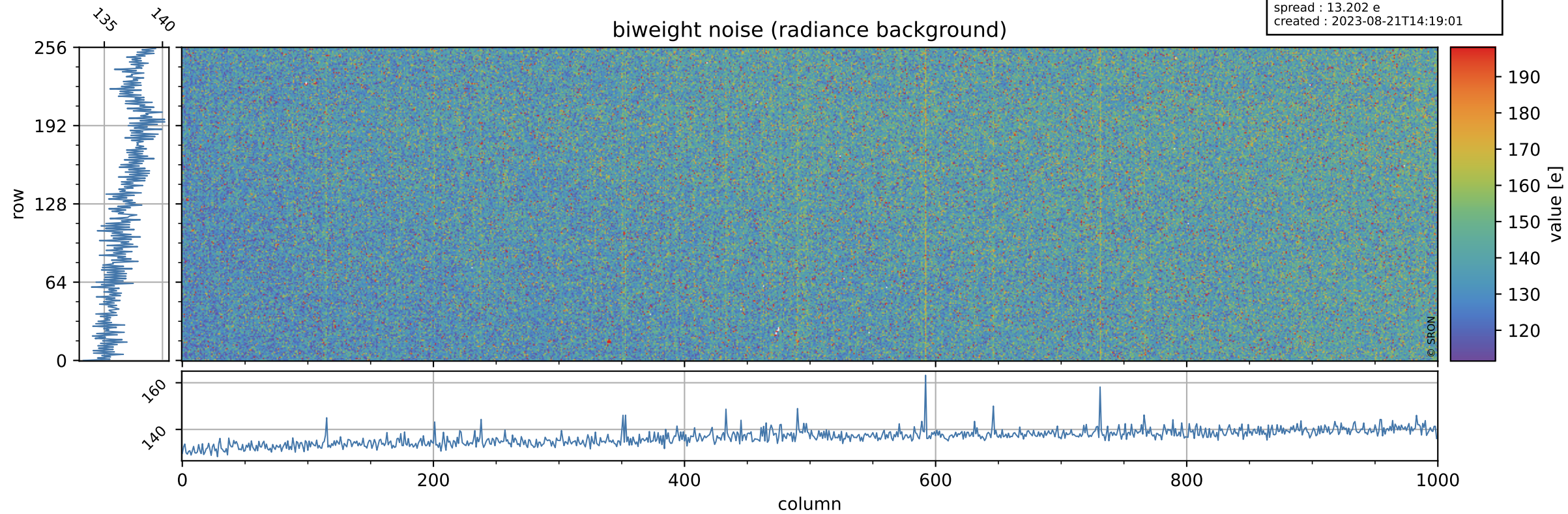
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
n_coad, t_exp : 2, 0.5383
median : 137 e
spread : 12.281 e
created : 2023-08-21T14:19:01

plain noise (radiance background)



Tropomi SWIR background noise (swir)

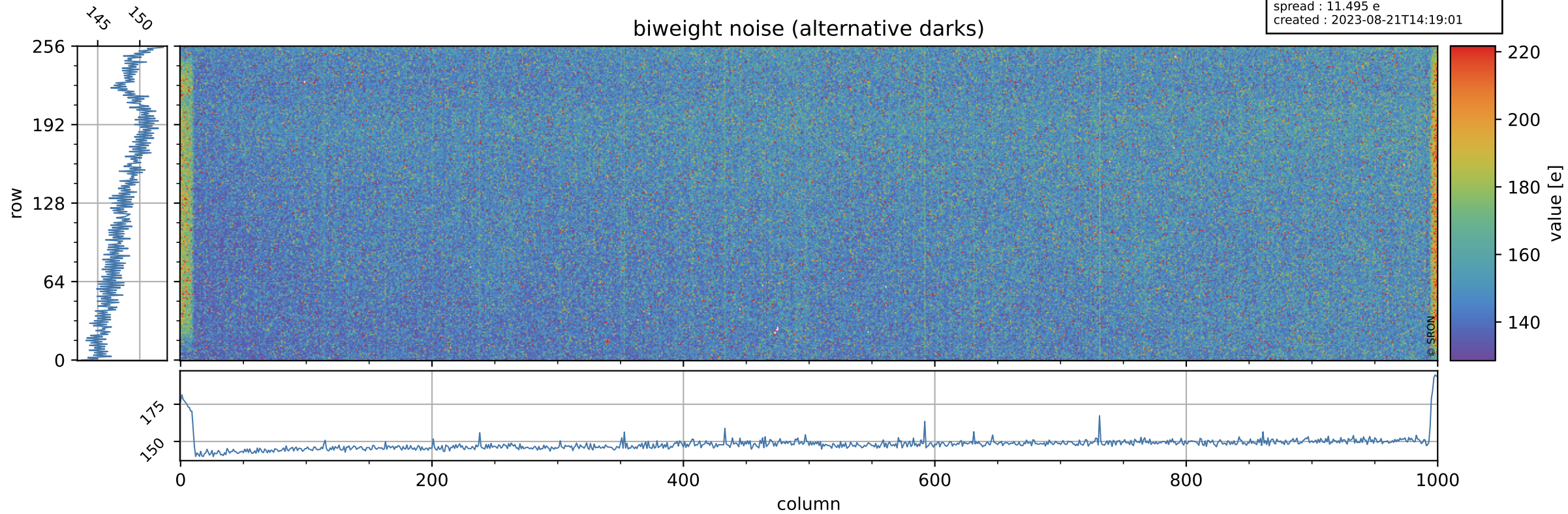
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
n_coad, t_exp : 2, 0.5383
median : 136.75 e
spread : 13.202 e
created : 2023-08-21T14:19:01



Tropomi SWIR background noise (swir)

orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
n_coad, t_exp : 1, 1.0783
median : 147.96 e
spread : 11.495 e
created : 2023-08-21T14:19:01

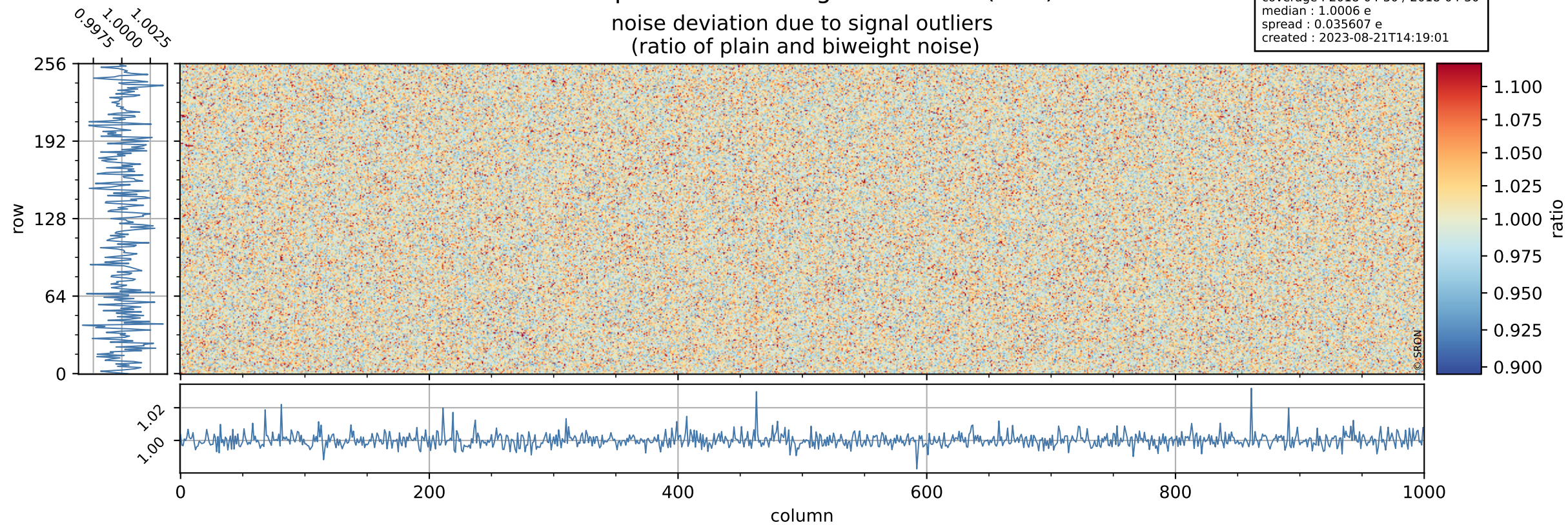
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

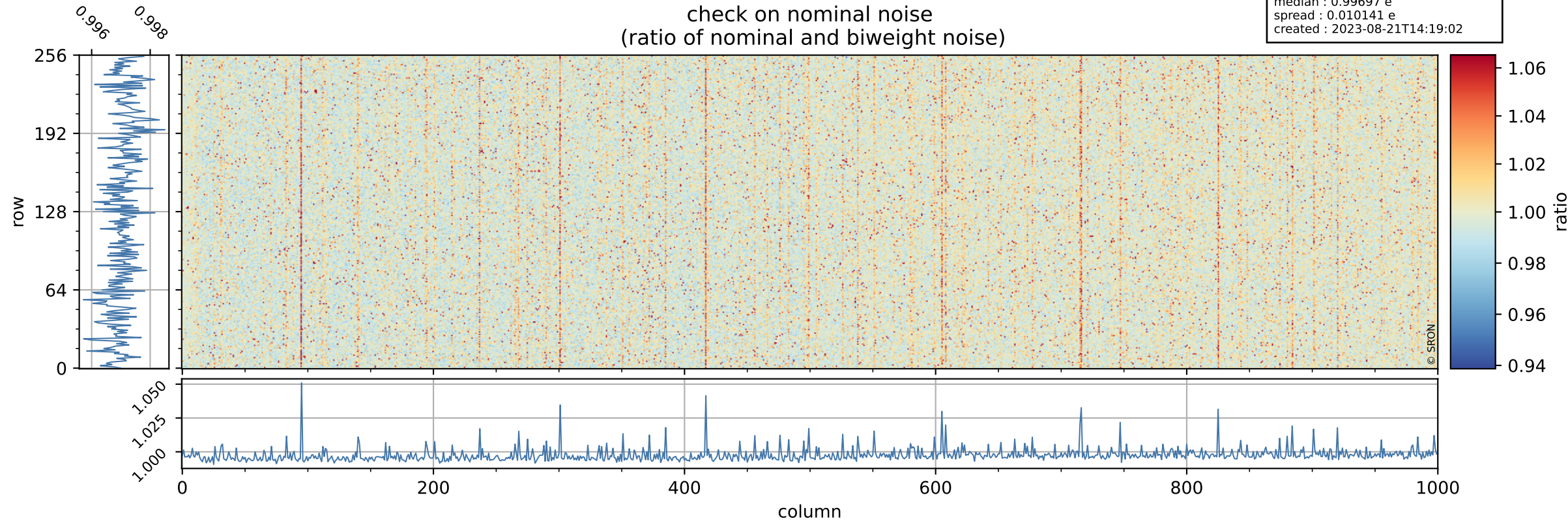
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
median : 1.0006 e
spread : 0.035607 e
created : 2023-08-21T14:19:01



Tropomi SWIR background noise (swir)

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

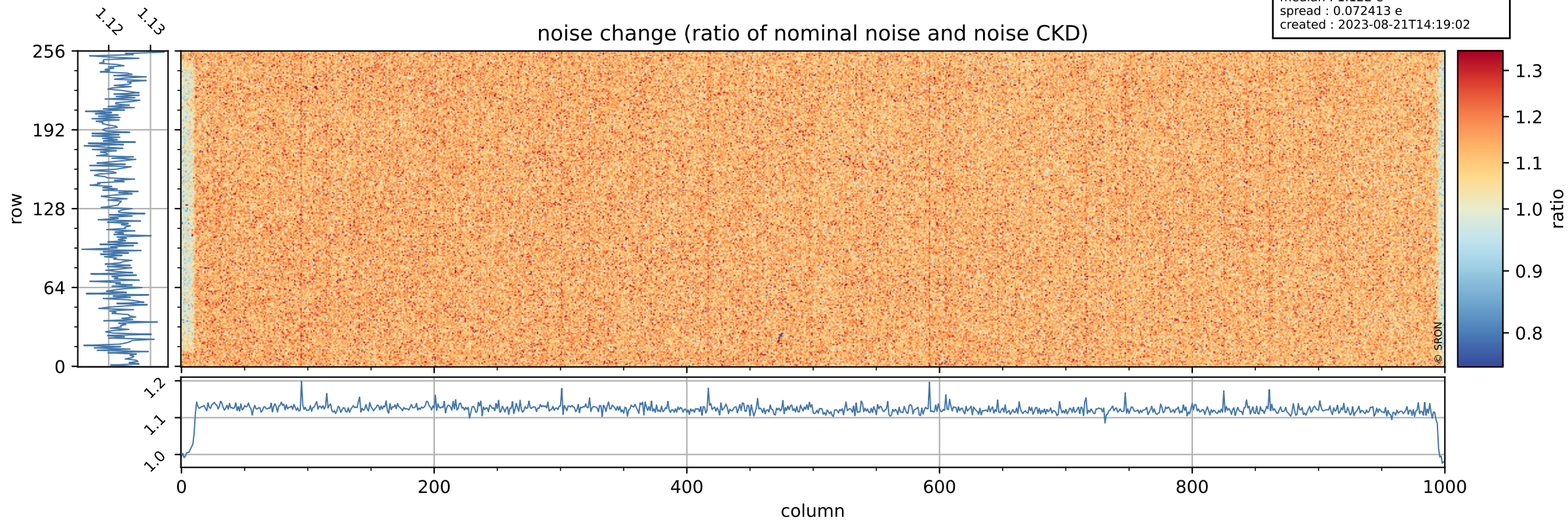
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
median : 0.99697 e
spread : 0.010141 e
created : 2023-08-21T14:19:02



Tropomi SWIR background noise (swir)

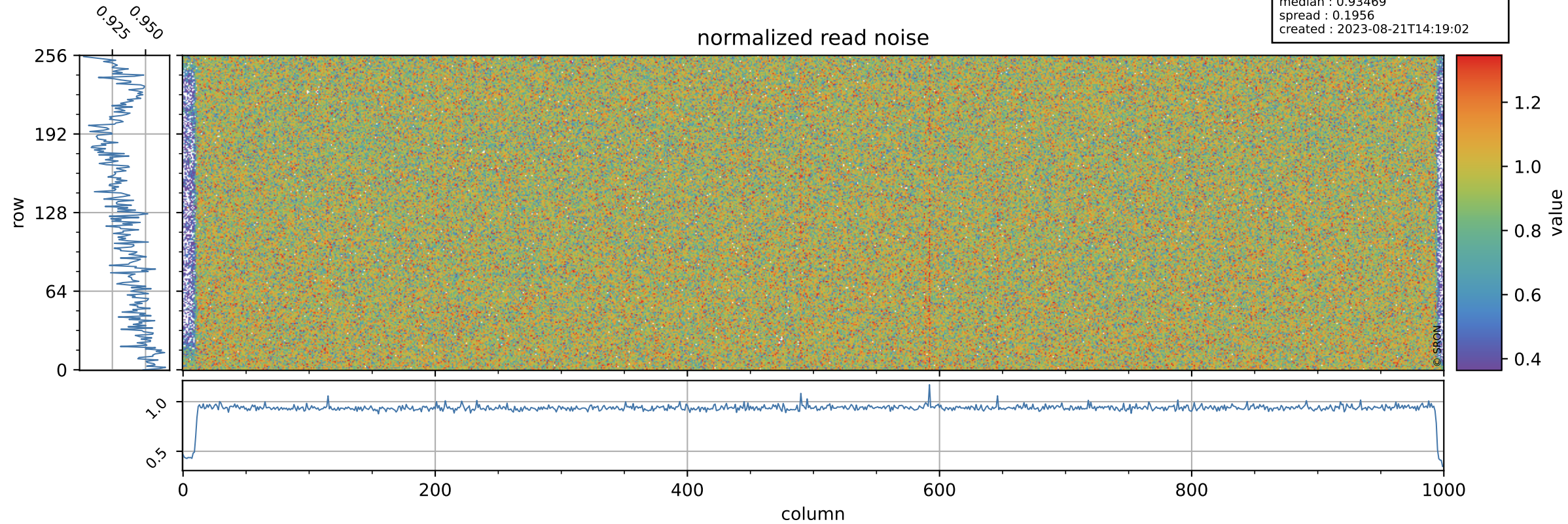
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
median : 1.122 e
spread : 0.072413 e
created : 2023-08-21T14:19:02

noise change (ratio of nominal noise and noise CKD)



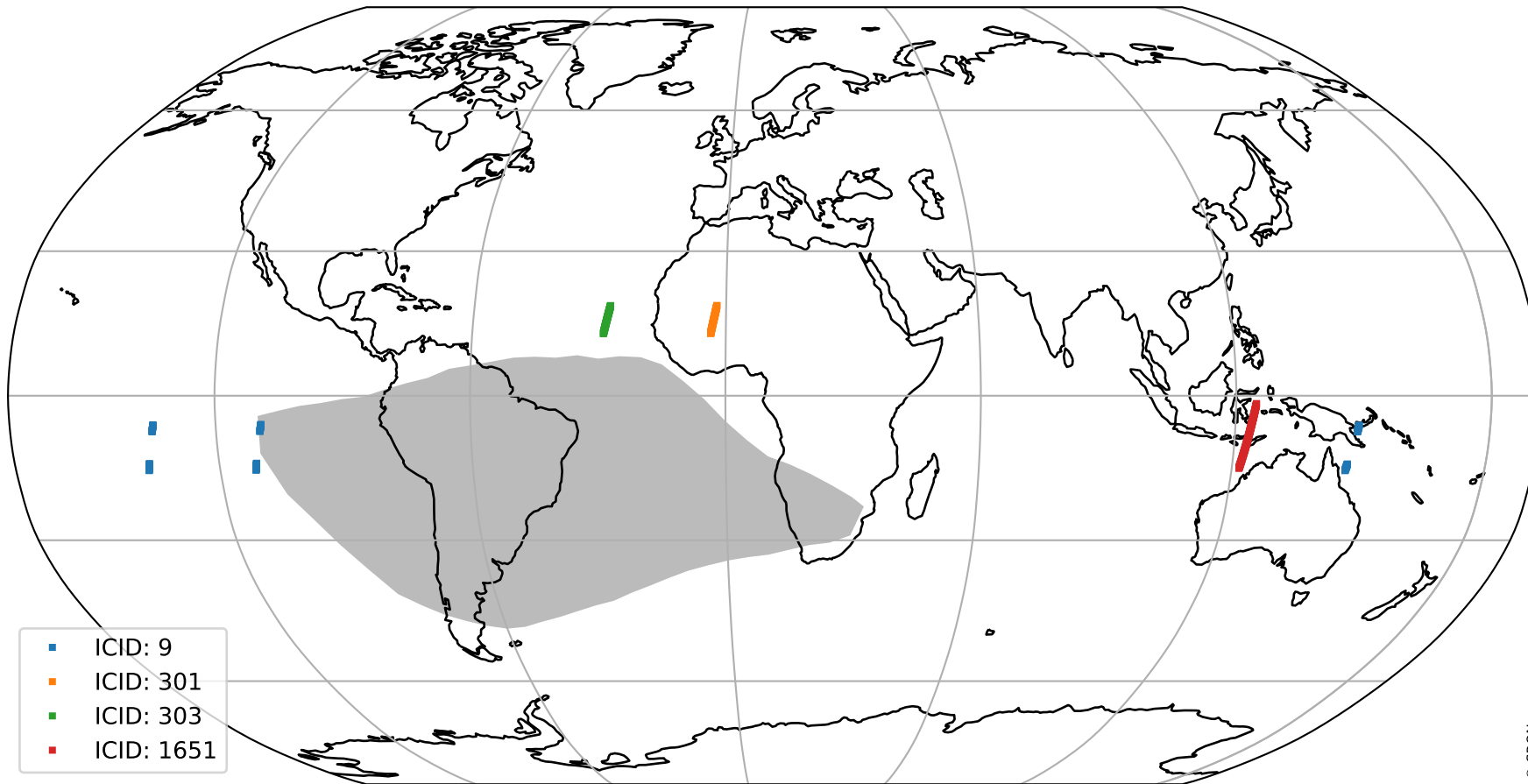
Tropomi SWIR background noise (swir)

orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
median : 0.93469
spread : 0.1956
created : 2023-08-21T14:19:02



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

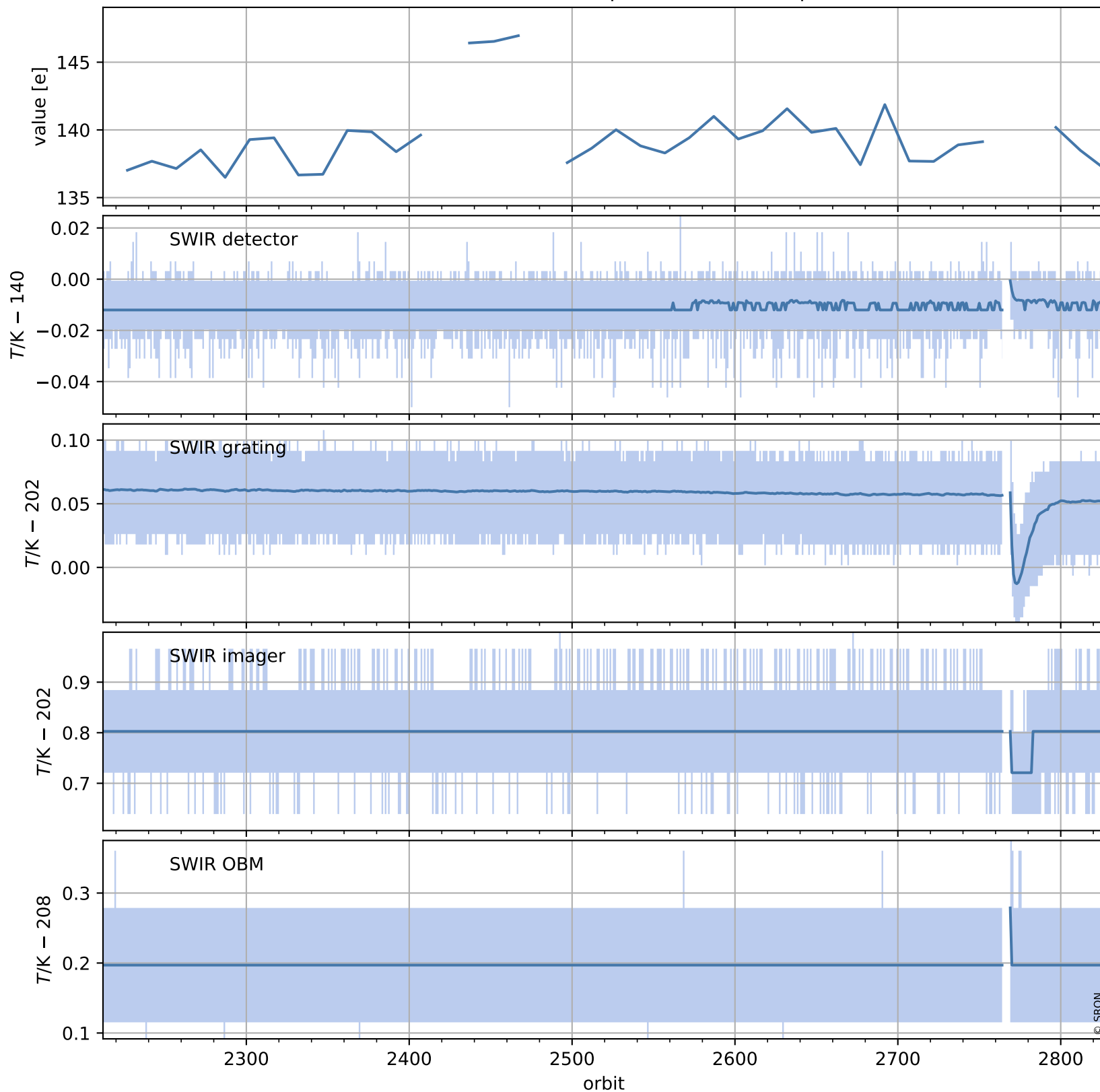
orbits : 3 in [2812, 2827]
coverage : 2018-04-30 / 2018-04-30
created : 2023-08-21T14:19:03



Tropomi SWIR background noise (swir)

orbits : [2212, 2827]
coverage : 2018-03-18 / 2018-04-30
created : 2023-08-21T14:19:03

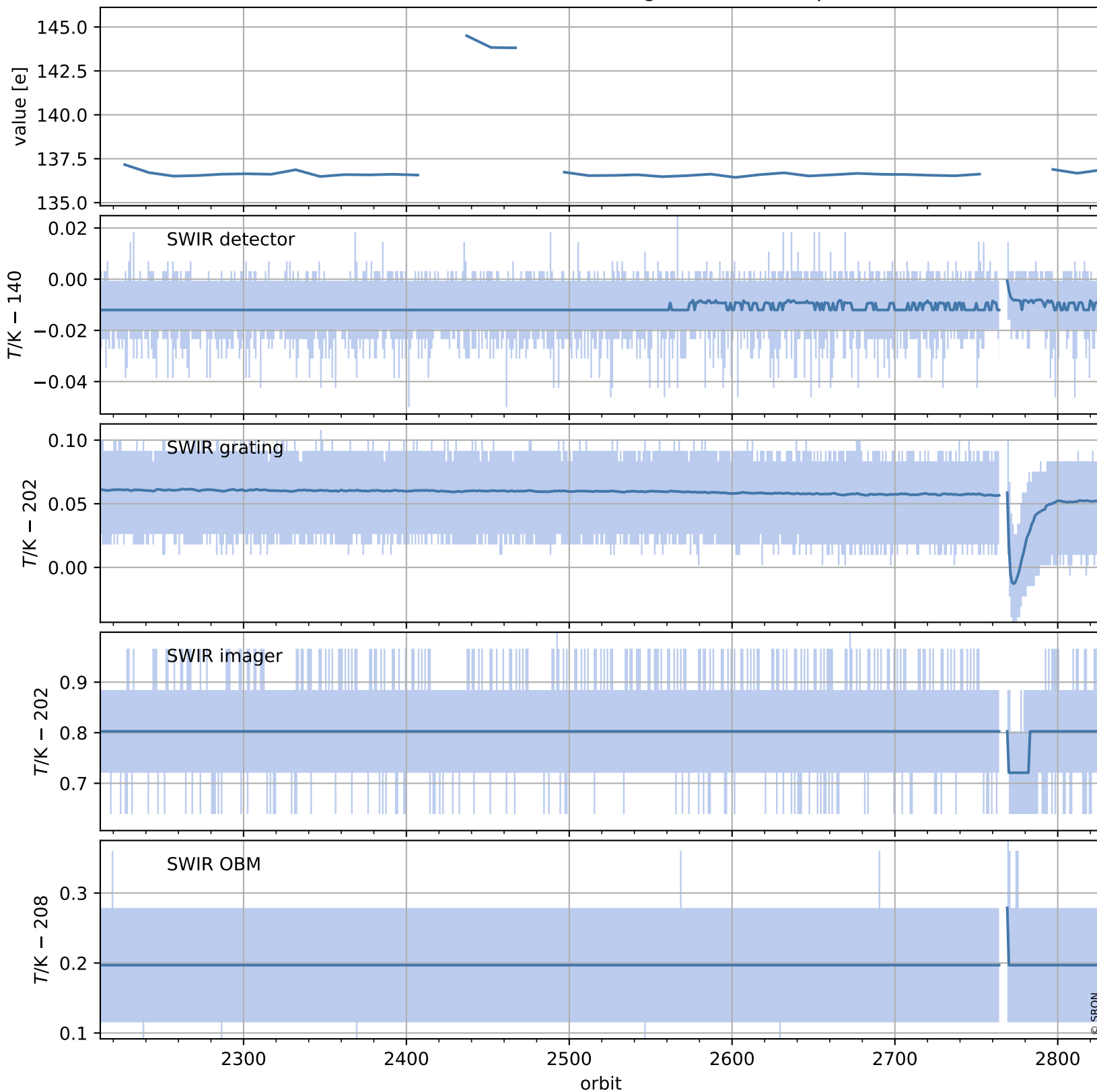
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2827]
coverage : 2018-03-18 / 2018-04-30
created : 2023-08-21T14:19:03

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 2827]
coverage : 2018-03-18 / 2018-04-30
created : 2023-08-21T14:19:04

trend of normalized read-noise & temperatures

