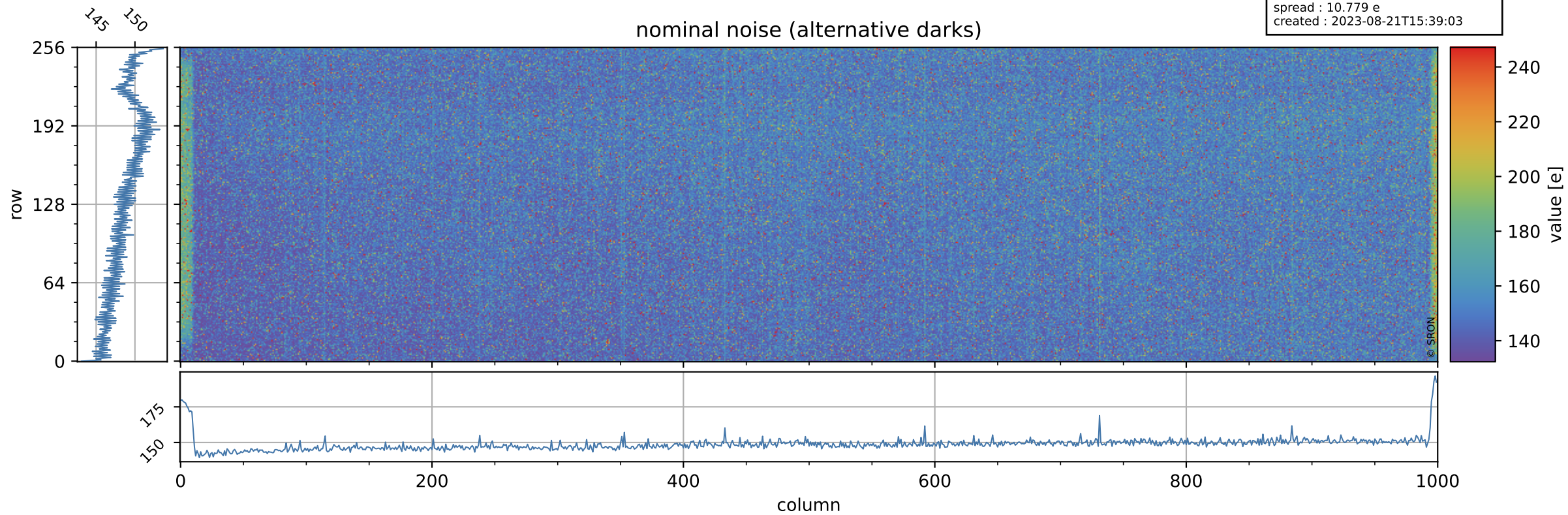


Tropomi SWIR background noise (swir)

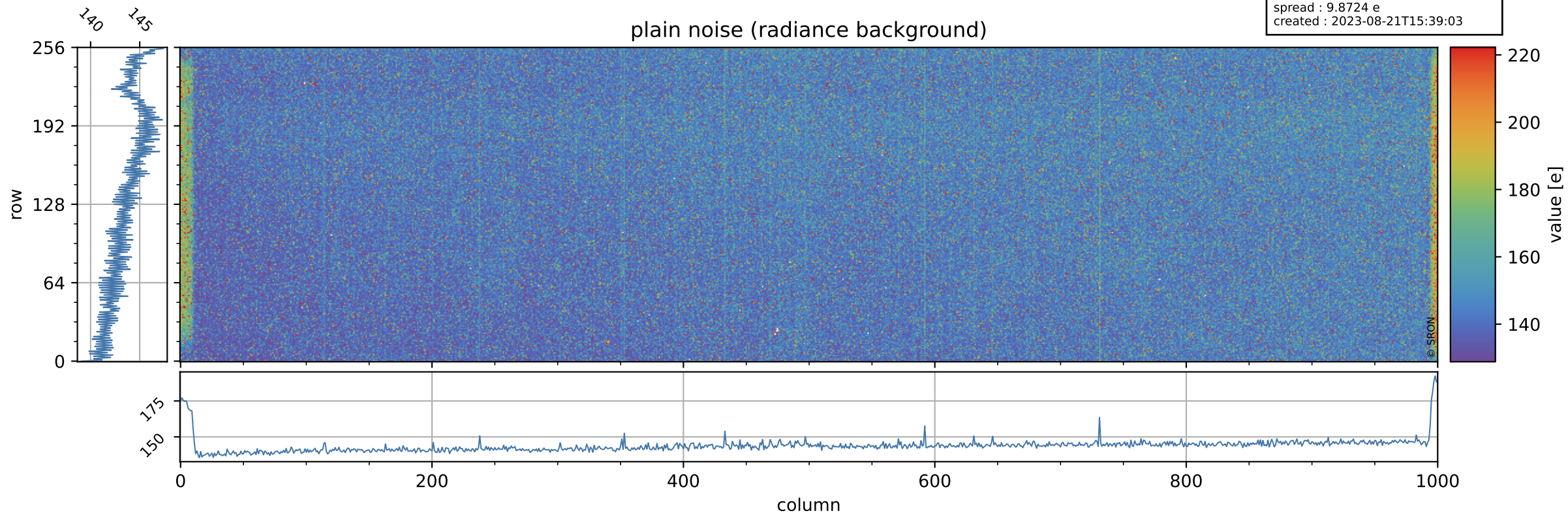
orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
n_coad, t_exp : 1, 1.0783
median : 148.6 e
spread : 10.779 e
created : 2023-08-21T15:39:03



Tropomi SWIR background noise (swir)

orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
n_coad, t_exp : 1, 0.8383
median : 143.55 e
spread : 9.8724 e
created : 2023-08-21T15:39:03

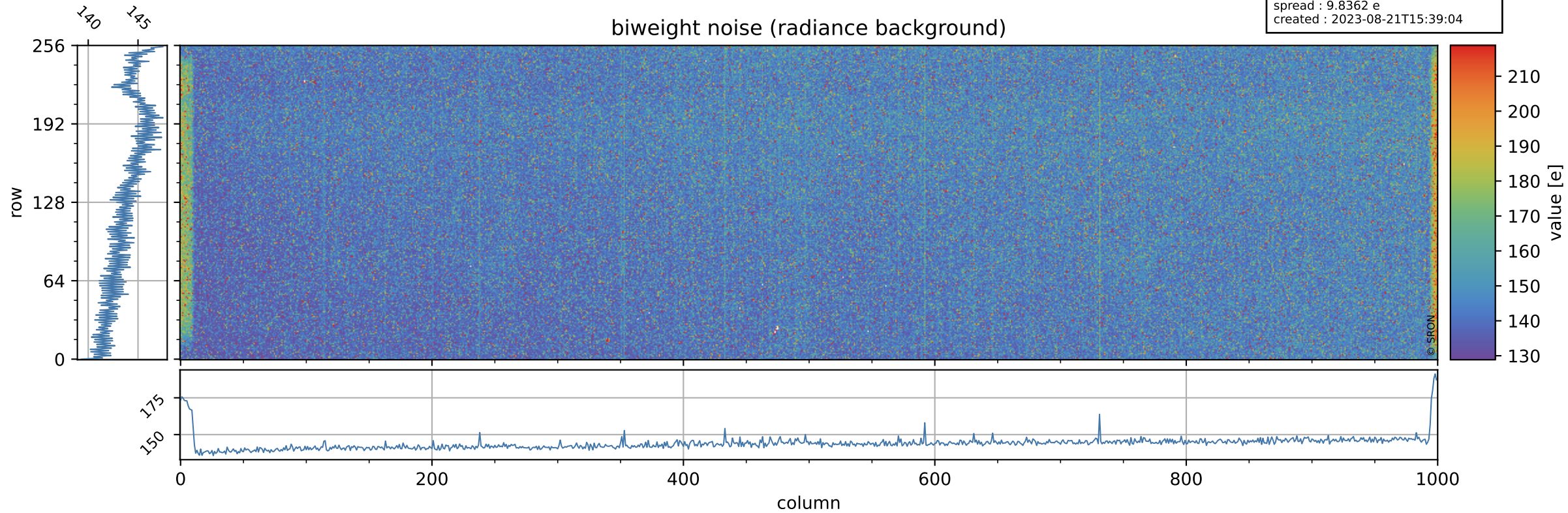
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
n_coad, t_exp : 1, 0.8383
median : 143.77 e
spread : 9.8362 e
created : 2023-08-21T15:39:04

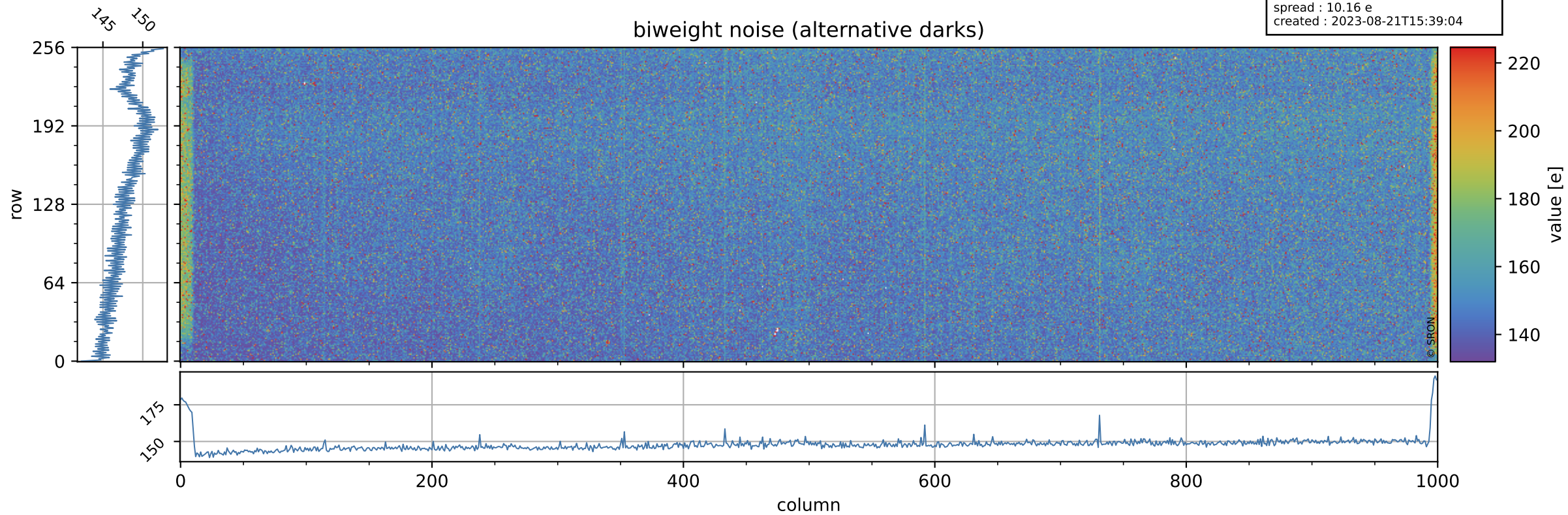
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
n_coad, t_exp : 1, 1.0783
median : 147.68 e
spread : 10.16 e
created : 2023-08-21T15:39:04

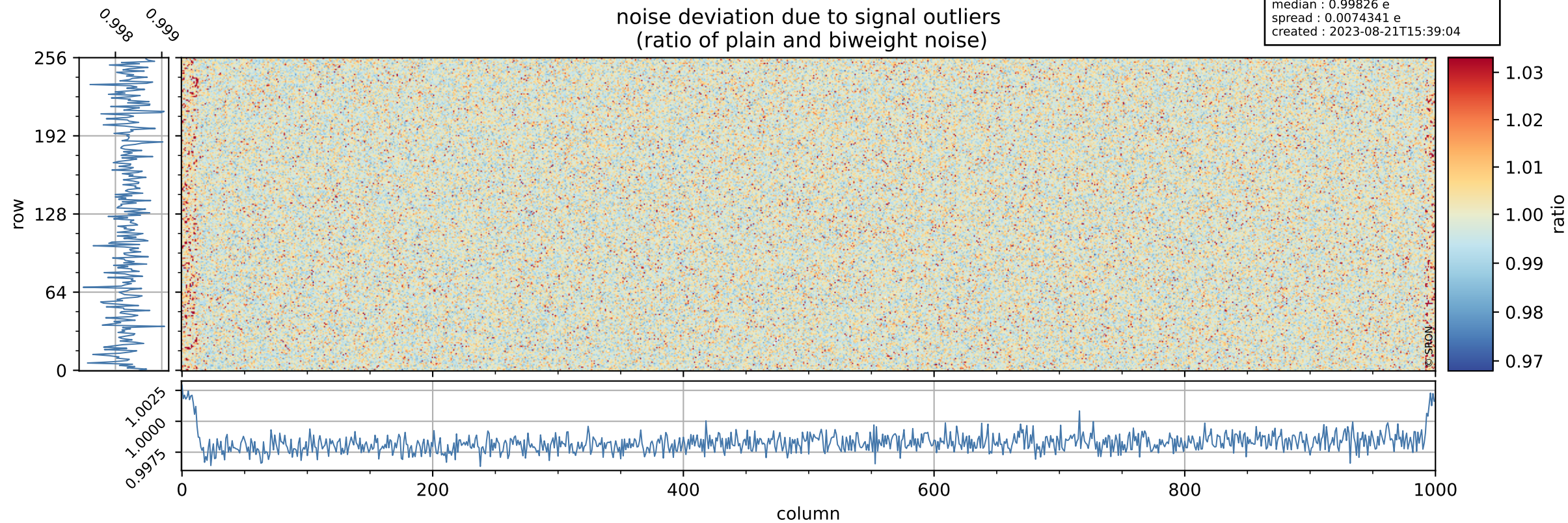
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

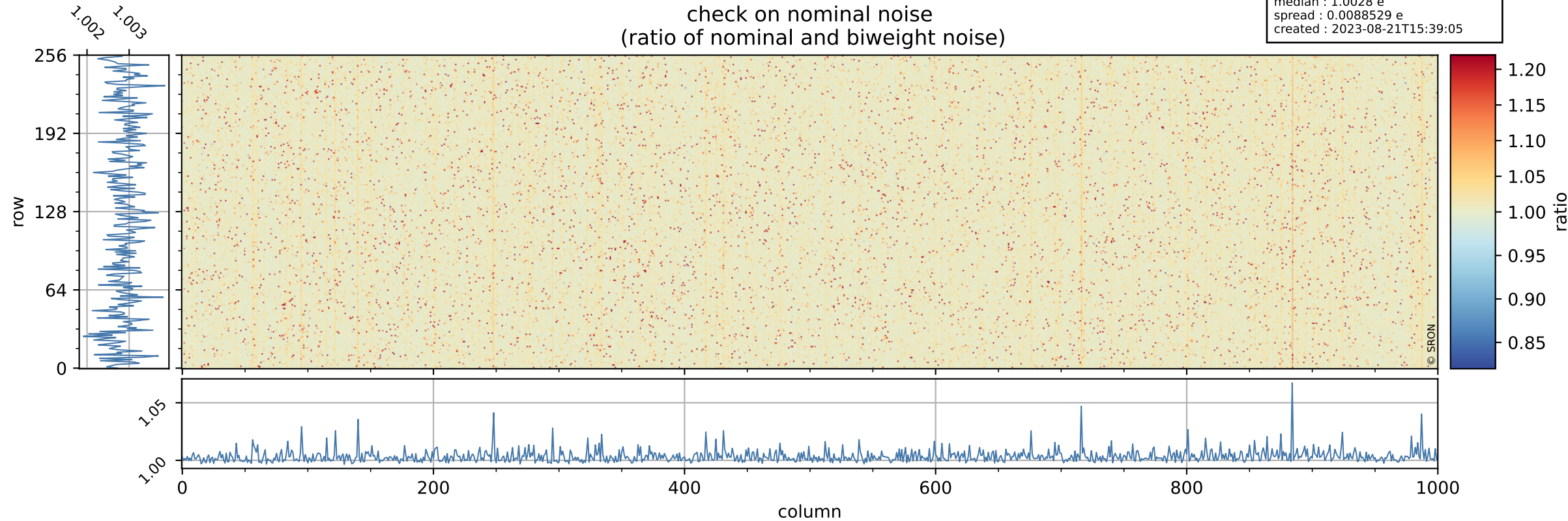
orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
median : 0.99826 e
spread : 0.0074341 e
created : 2023-08-21T15:39:04



Tropomi SWIR background noise (swir)

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

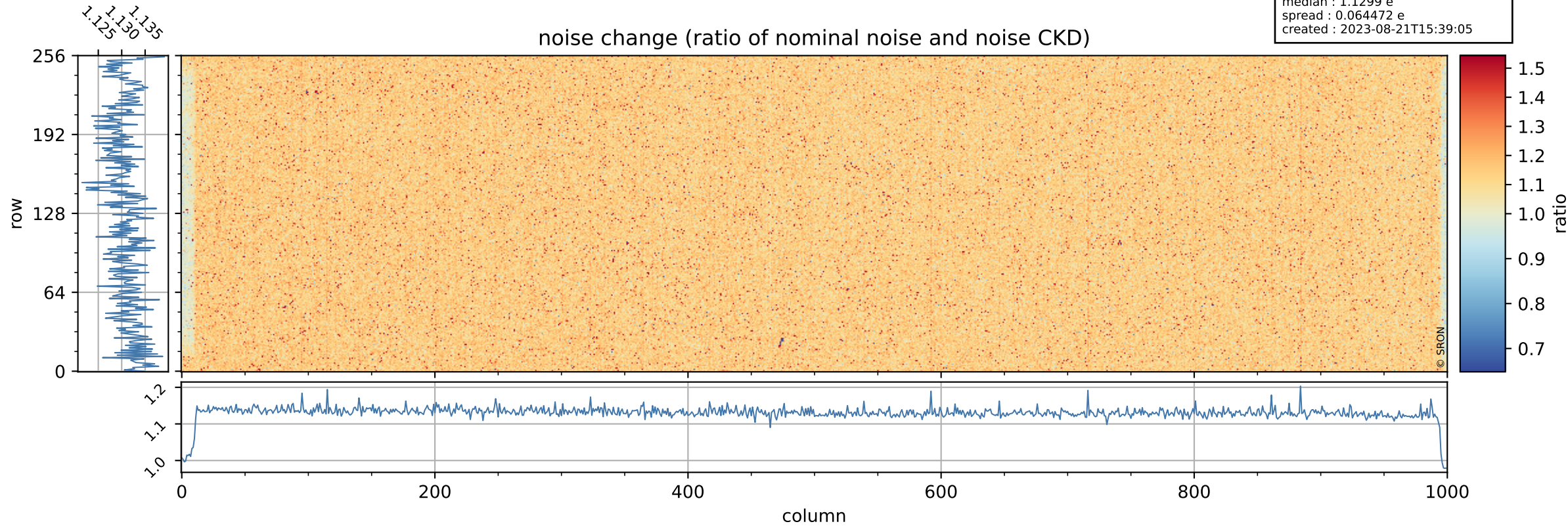
orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
median : 1.0028 e
spread : 0.0088529 e
created : 2023-08-21T15:39:05



Tropomi SWIR background noise (swir)

orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
median : 1.1299 e
spread : 0.064472 e
created : 2023-08-21T15:39:05

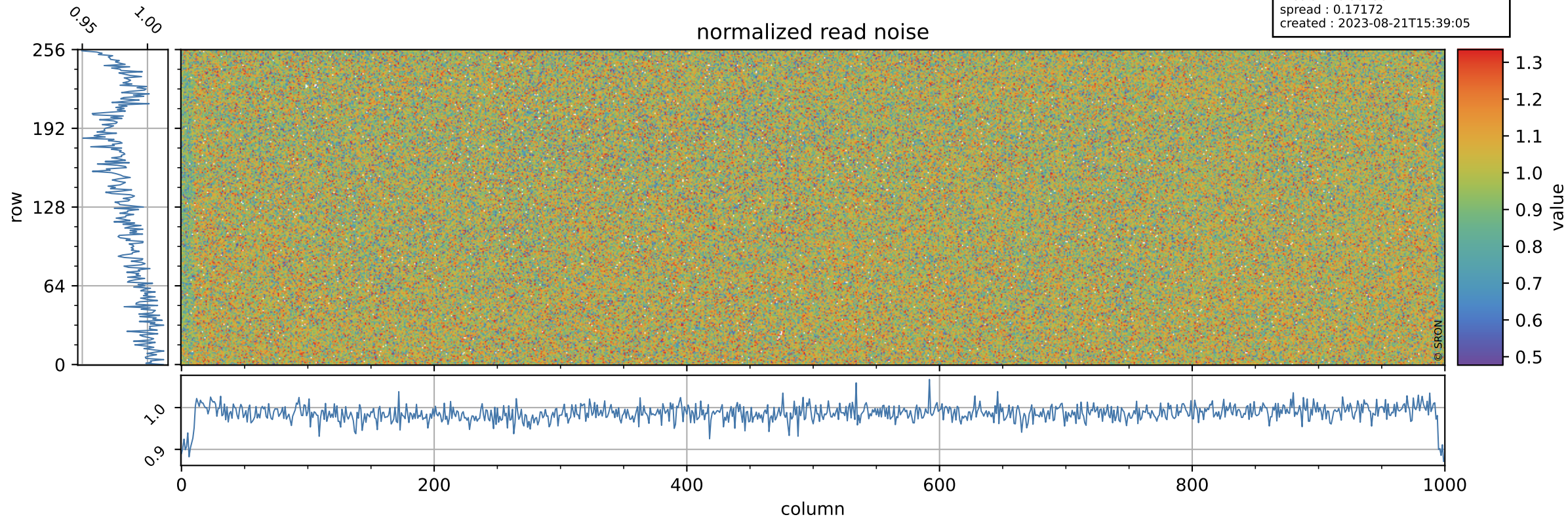
noise change (ratio of nominal noise and noise CKD)



Tropomi SWIR background noise (swir)

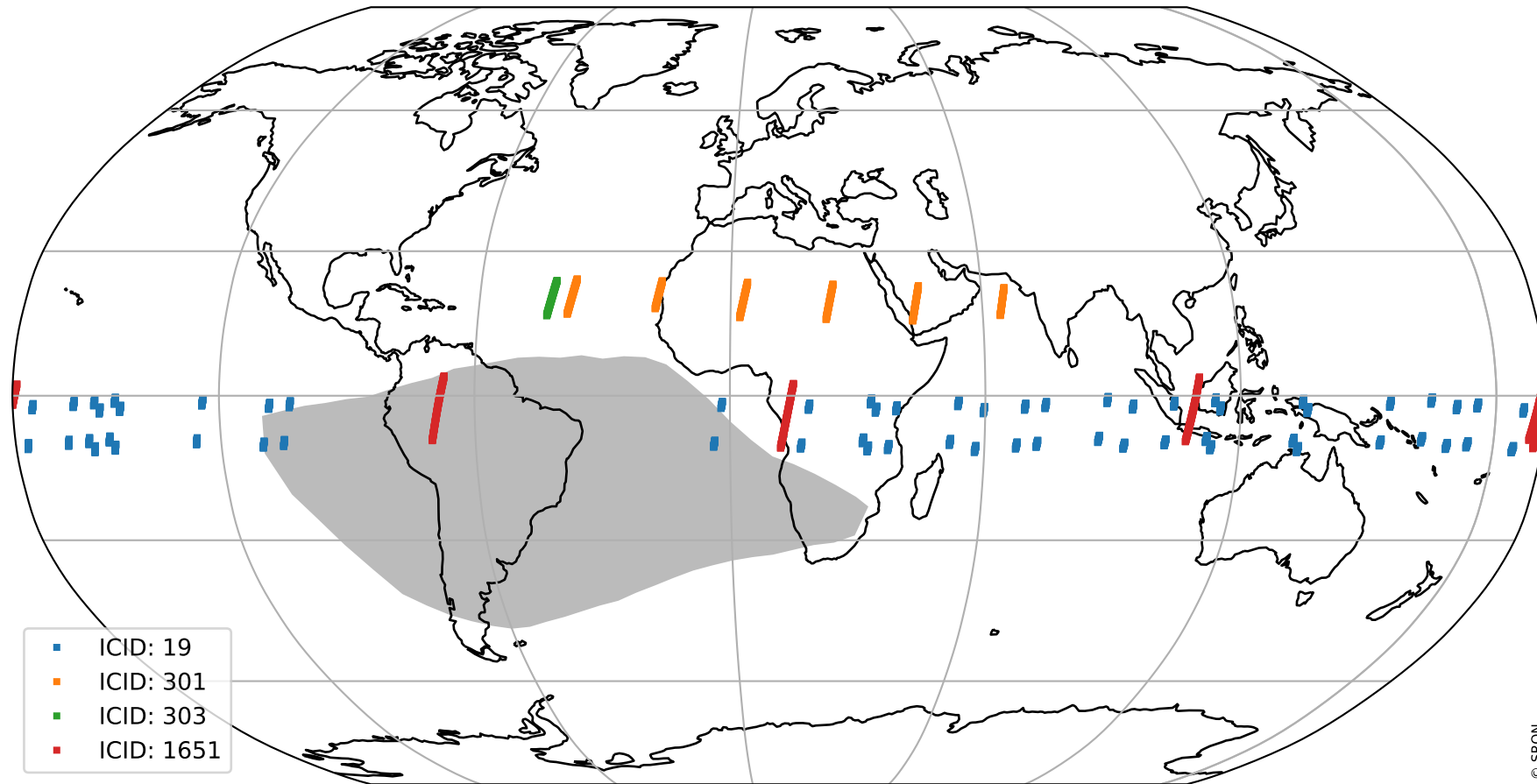
orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
median : 0.98456
spread : 0.17172
created : 2023-08-21T15:39:05

normalized read noise



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

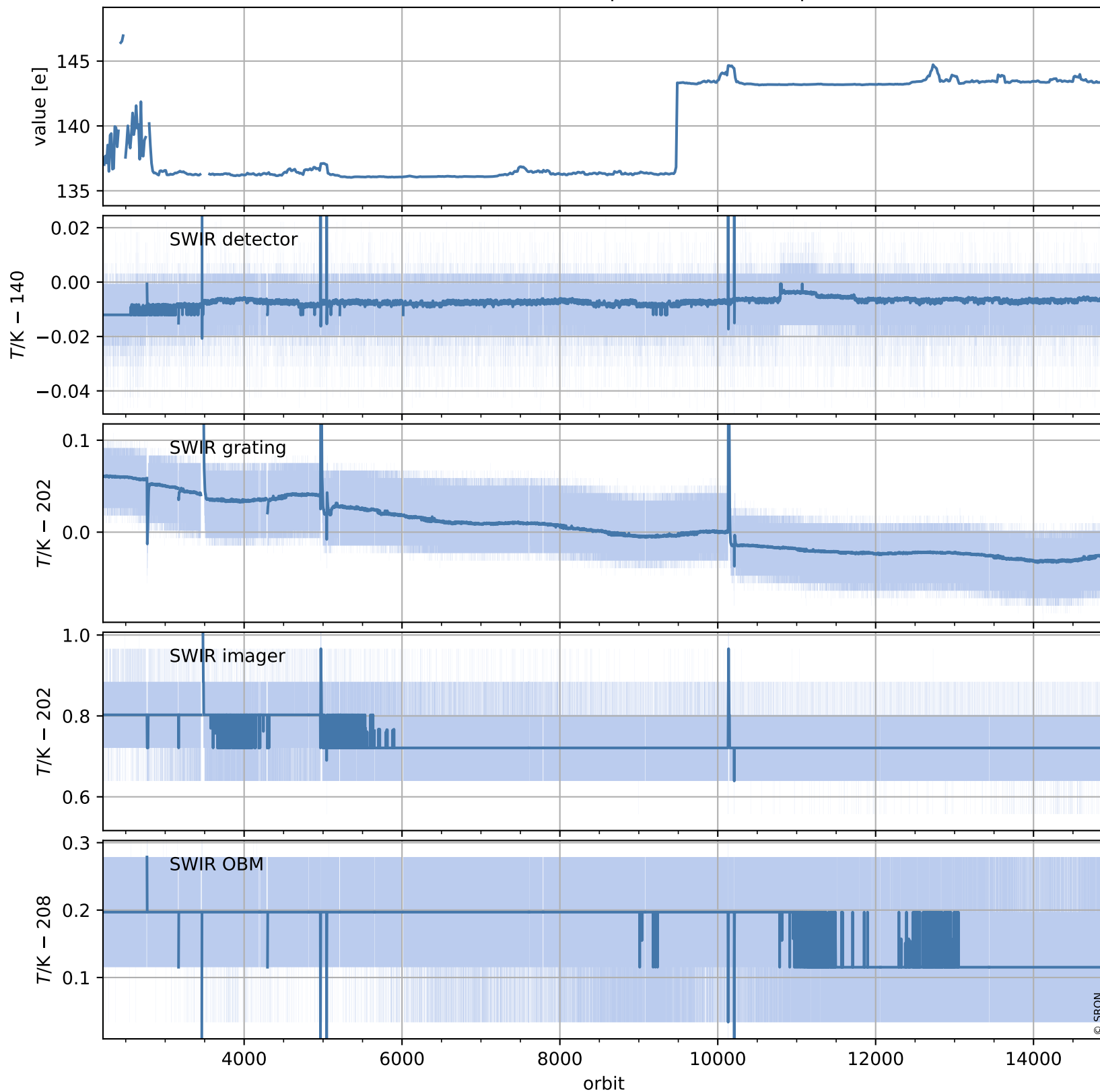
orbits : 12 in [14812, 14902]
coverage : 2020-08-22 / 2020-08-28
created : 2023-08-21T15:39:05



Tropomi SWIR background noise (swir)

orbits : [2212, 14902]
coverage : 2018-03-18 / 2020-08-28
created : 2023-08-21T15:39:06

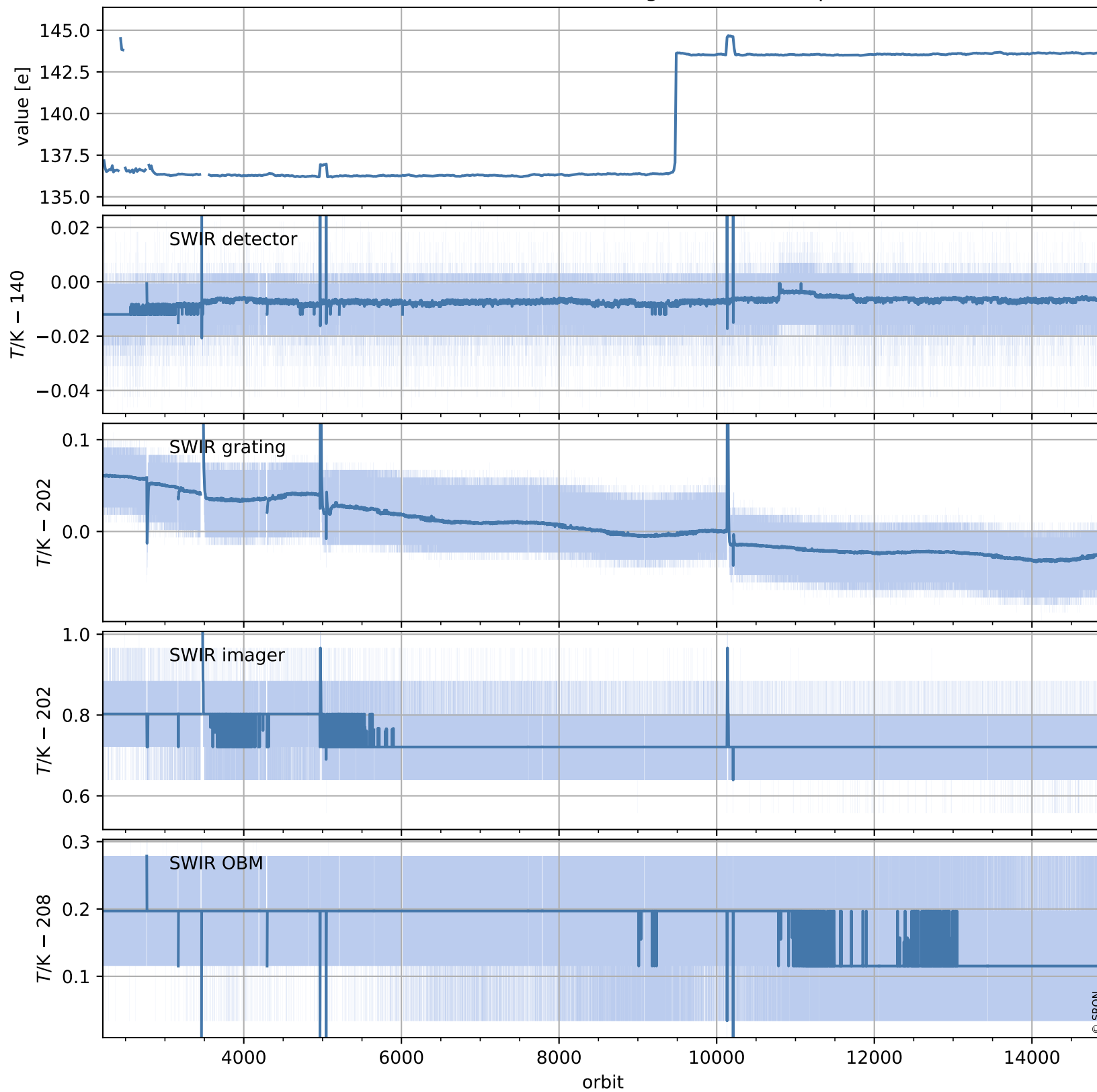
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 14902]
coverage : 2018-03-18 / 2020-08-28
created : 2023-08-21T15:39:06

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 14902]
coverage : 2018-03-18 / 2020-08-28
created : 2023-08-21T15:39:07

trend of normalized read-noise & temperatures

