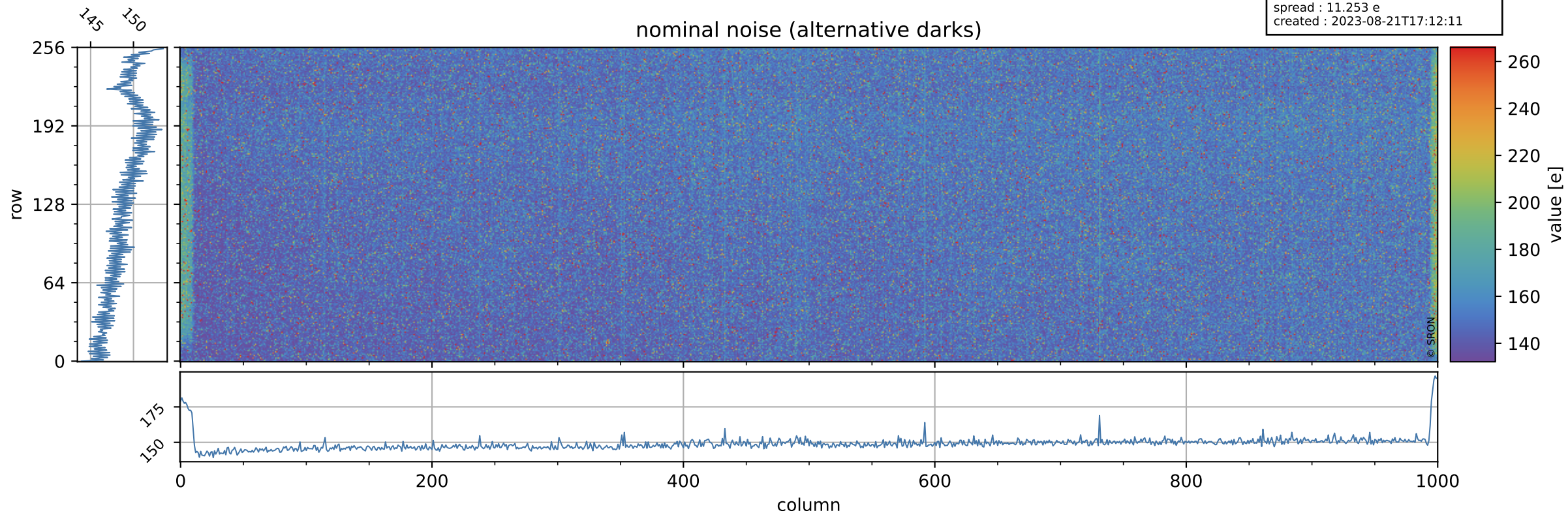


Tropomi SWIR background noise (swir)

orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
n_coad, t_exp : 1, 1.0783
median : 148.83 e
spread : 11.253 e
created : 2023-08-21T17:12:11

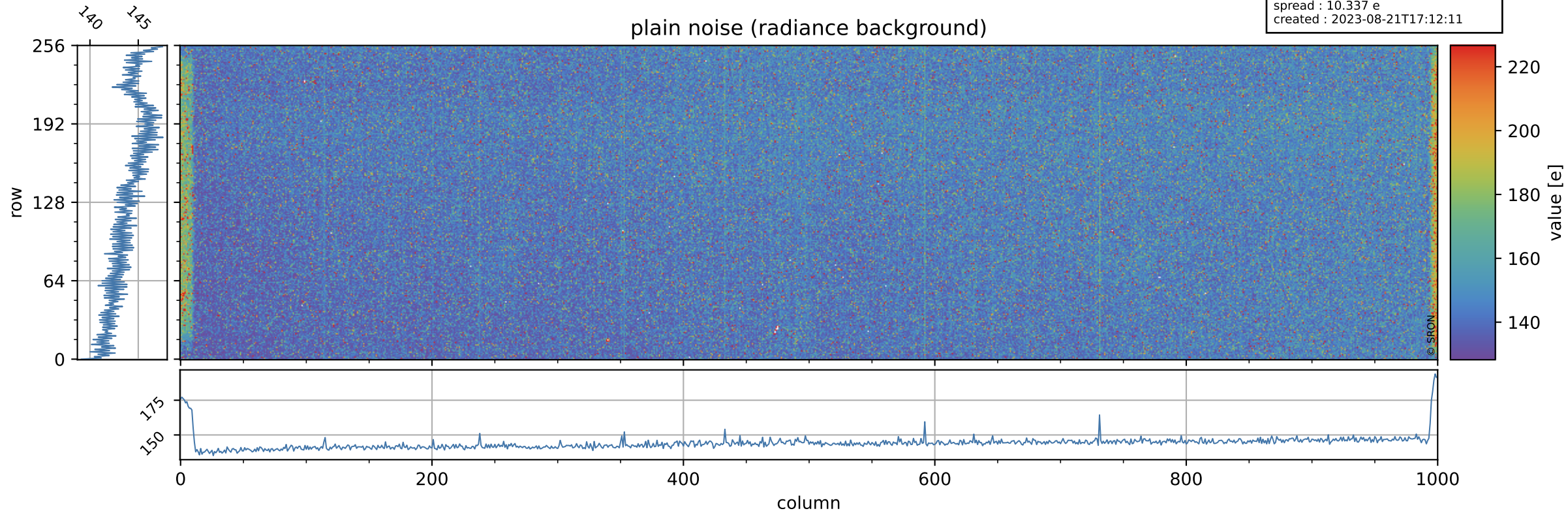
nominal noise (alternative darks)



Tropomi SWIR background noise (swir)

orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
n_coad, t_exp : 1, 0.8383
median : 143.84 e
spread : 10.337 e
created : 2023-08-21T17:12:11

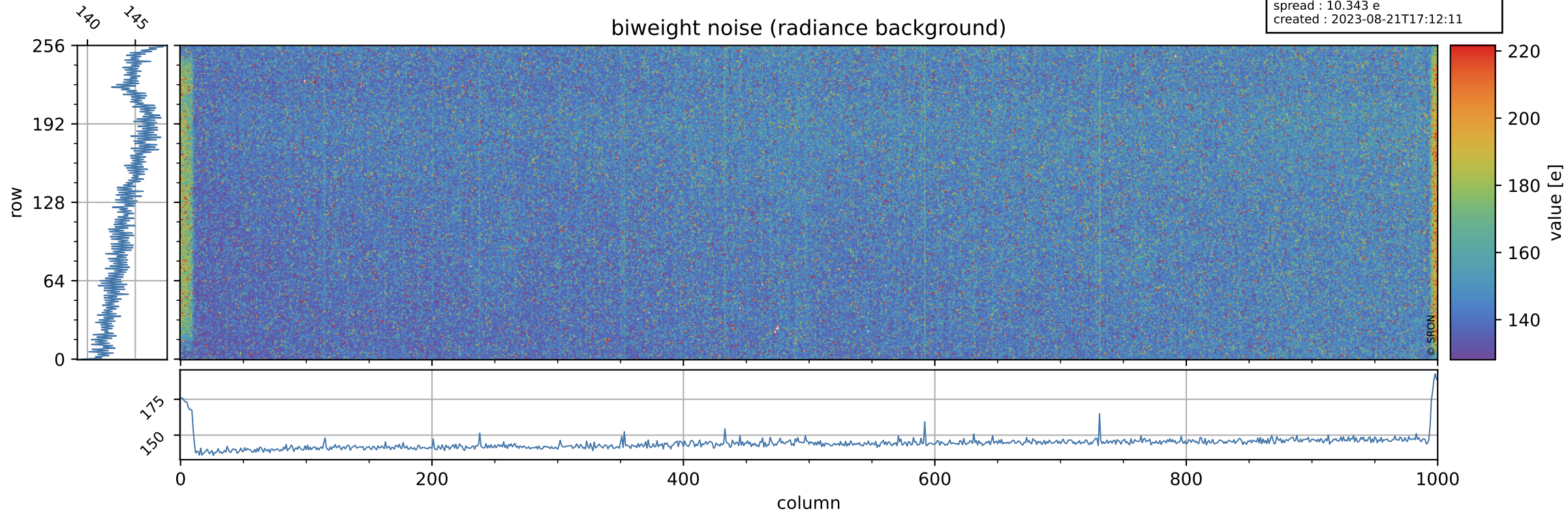
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
n_coad, t_exp : 1, 0.8383
median : 144.06 e
spread : 10.343 e
created : 2023-08-21T17:12:11

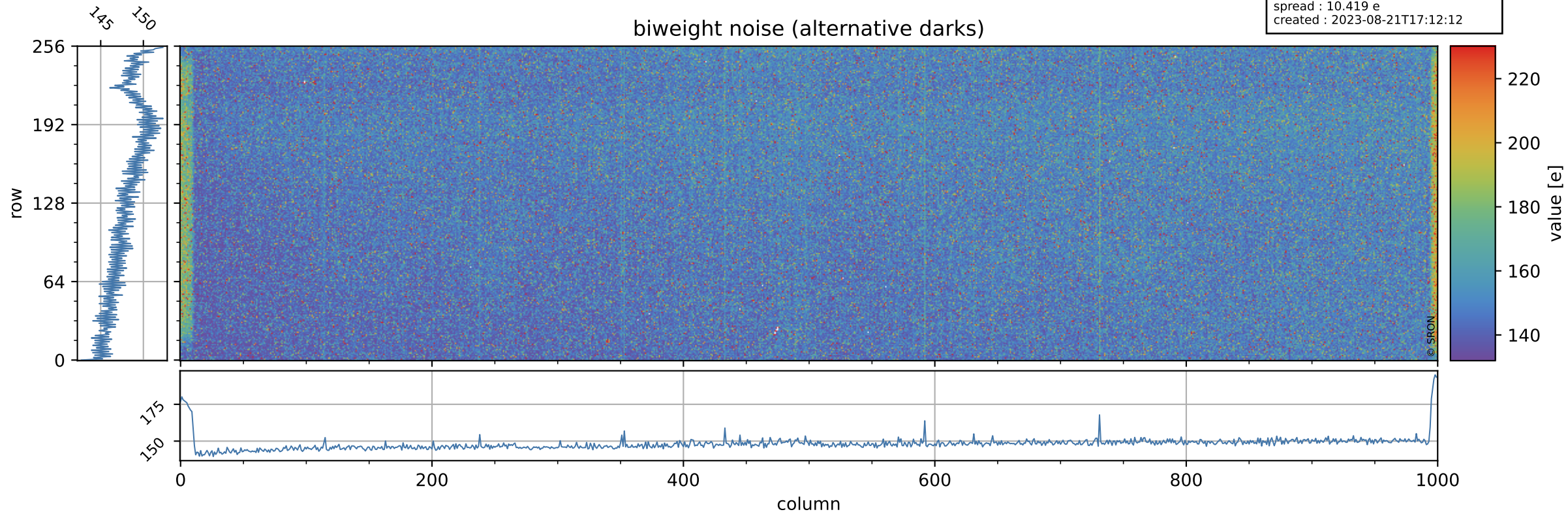
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
n_coad, t_exp : 1, 1.0783
median : 147.94 e
spread : 10.419 e
created : 2023-08-21T17:12:12

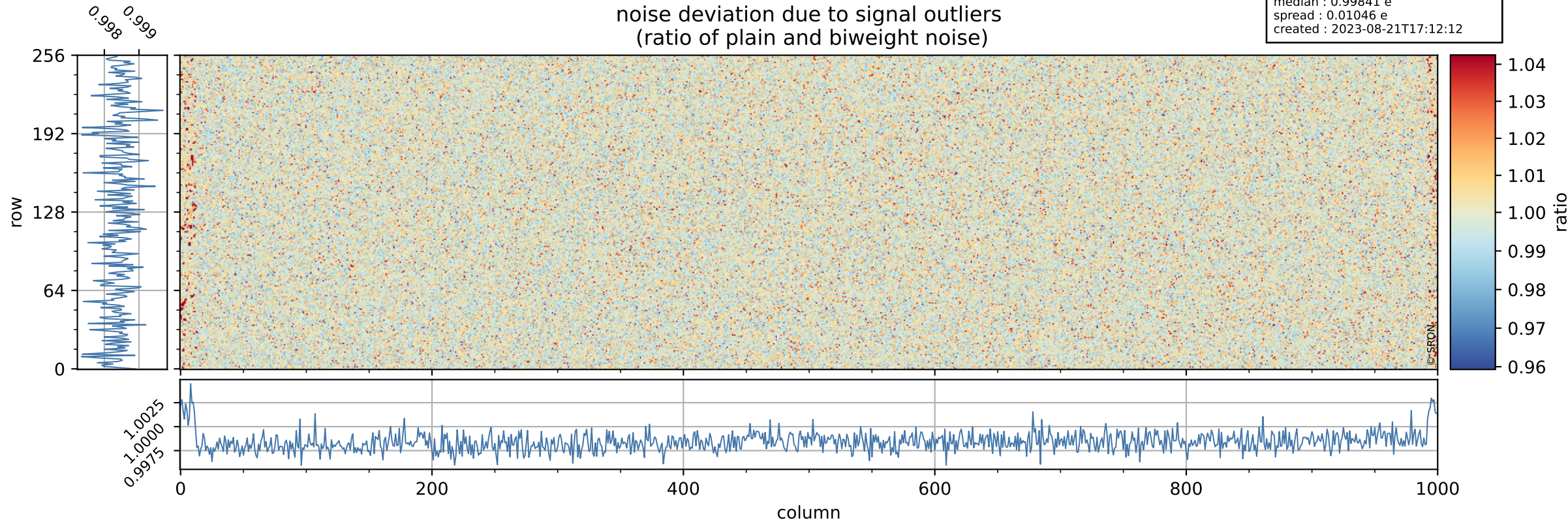
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

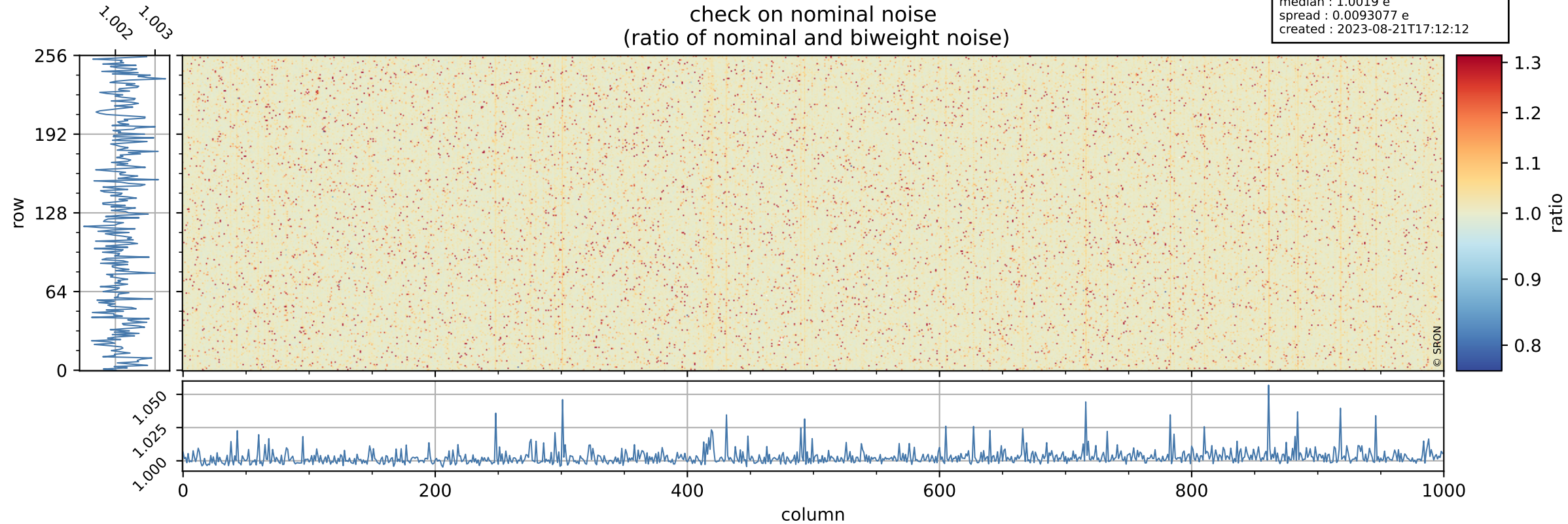
orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
median : 0.99841 e
spread : 0.01046 e
created : 2023-08-21T17:12:12



Tropomi SWIR background noise (swir)

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

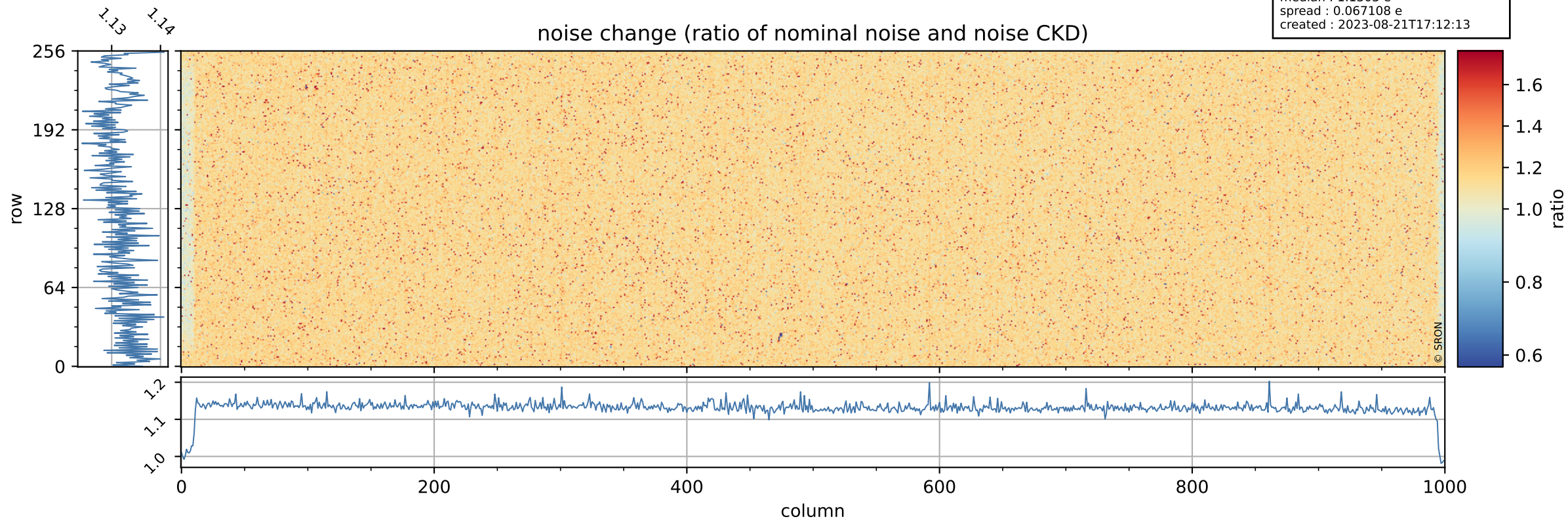
orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
median : 1.0019 e
spread : 0.0093077 e
created : 2023-08-21T17:12:12



Tropomi SWIR background noise (swir)

orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
median : 1.1303 e
spread : 0.067108 e
created : 2023-08-21T17:12:13

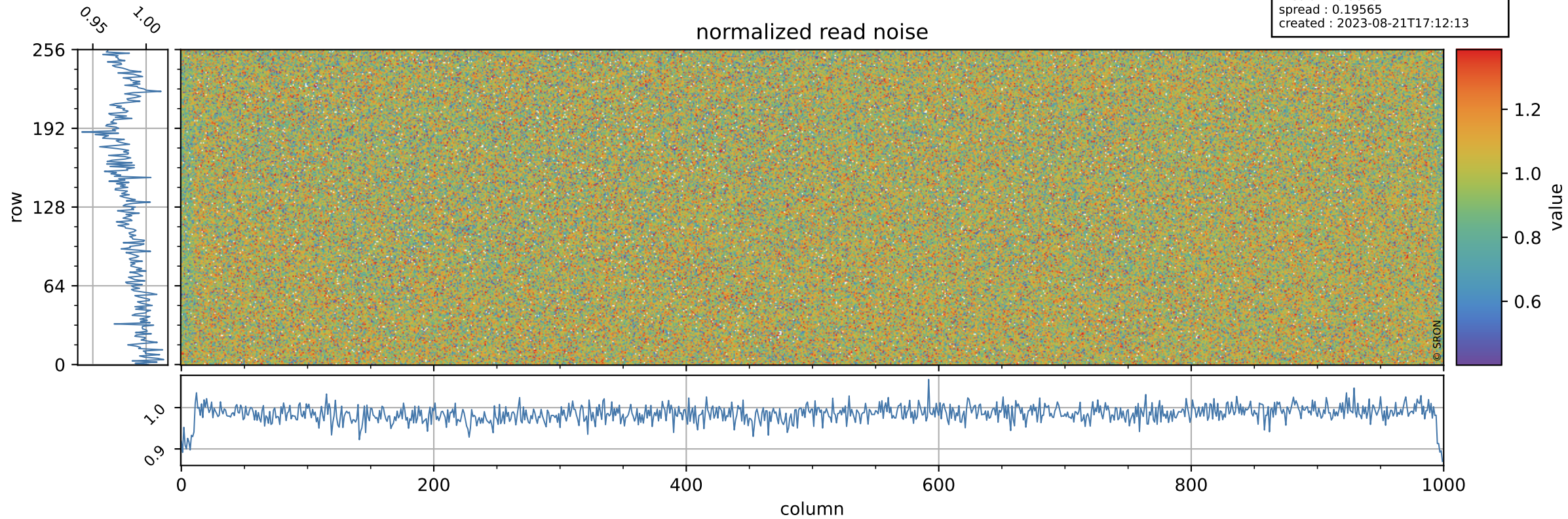
noise change (ratio of nominal noise and noise CKD)



Tropomi SWIR background noise (swir)

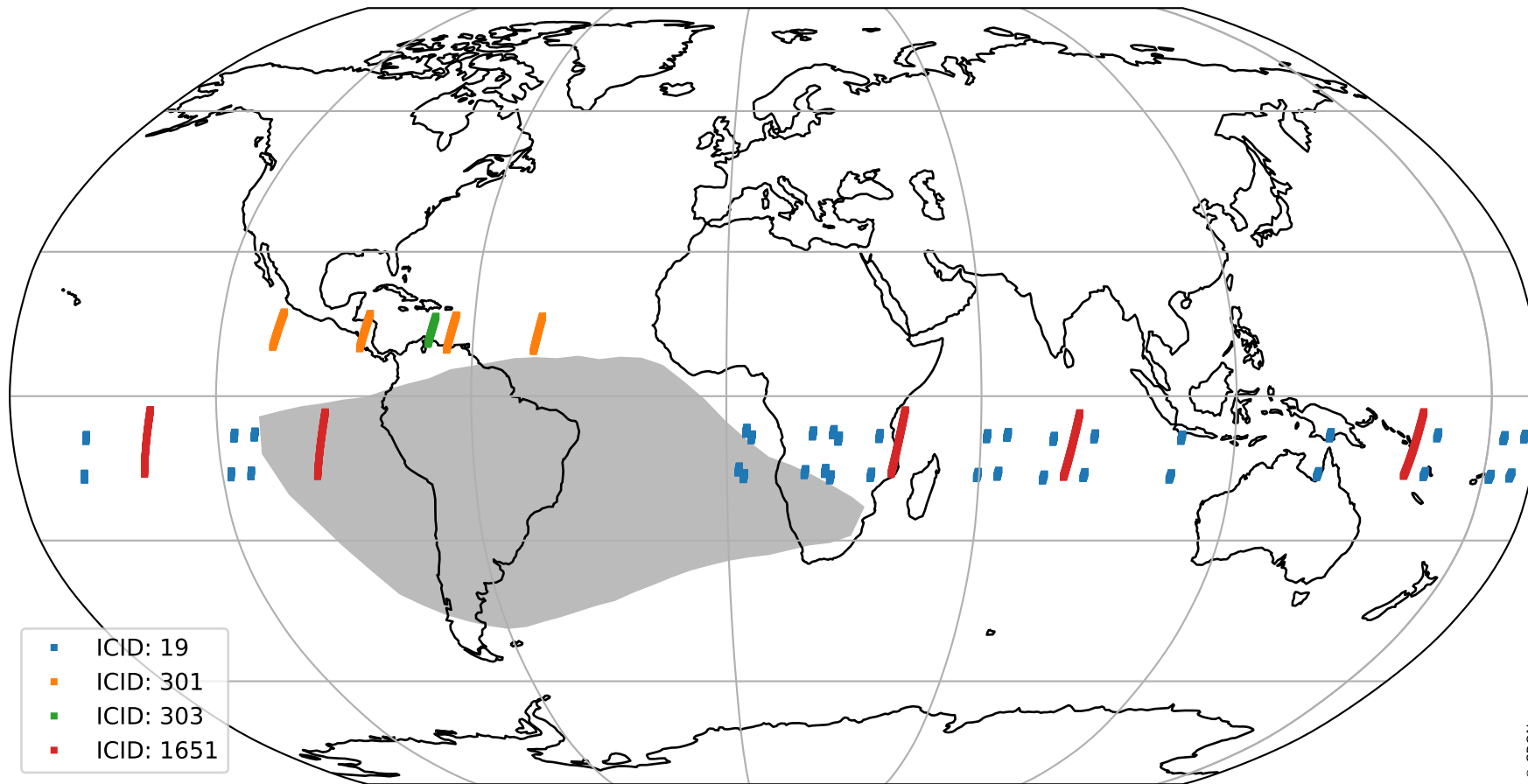
orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
median : 0.9829
spread : 0.19565
created : 2023-08-21T17:12:13

normalized read noise



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

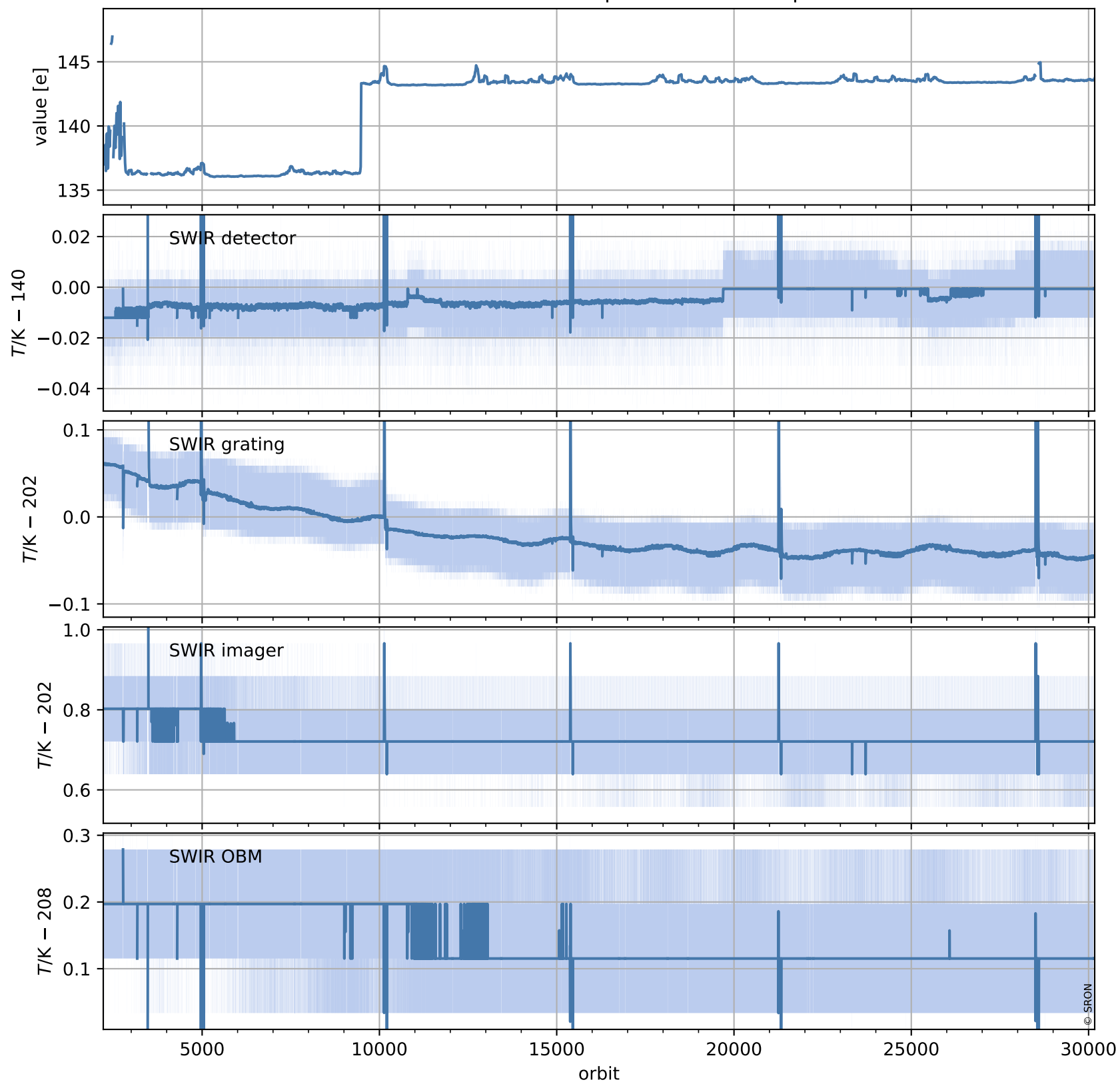
orbits : 10 in [30112, 30172]
coverage : 2023-08-04 / 2023-08-07
created : 2023-08-21T17:12:13



Tropomi SWIR background noise (swir)

orbits : [2212, 30172]
coverage : 2018-03-18 / 2023-08-07
created : 2023-08-21T17:12:14

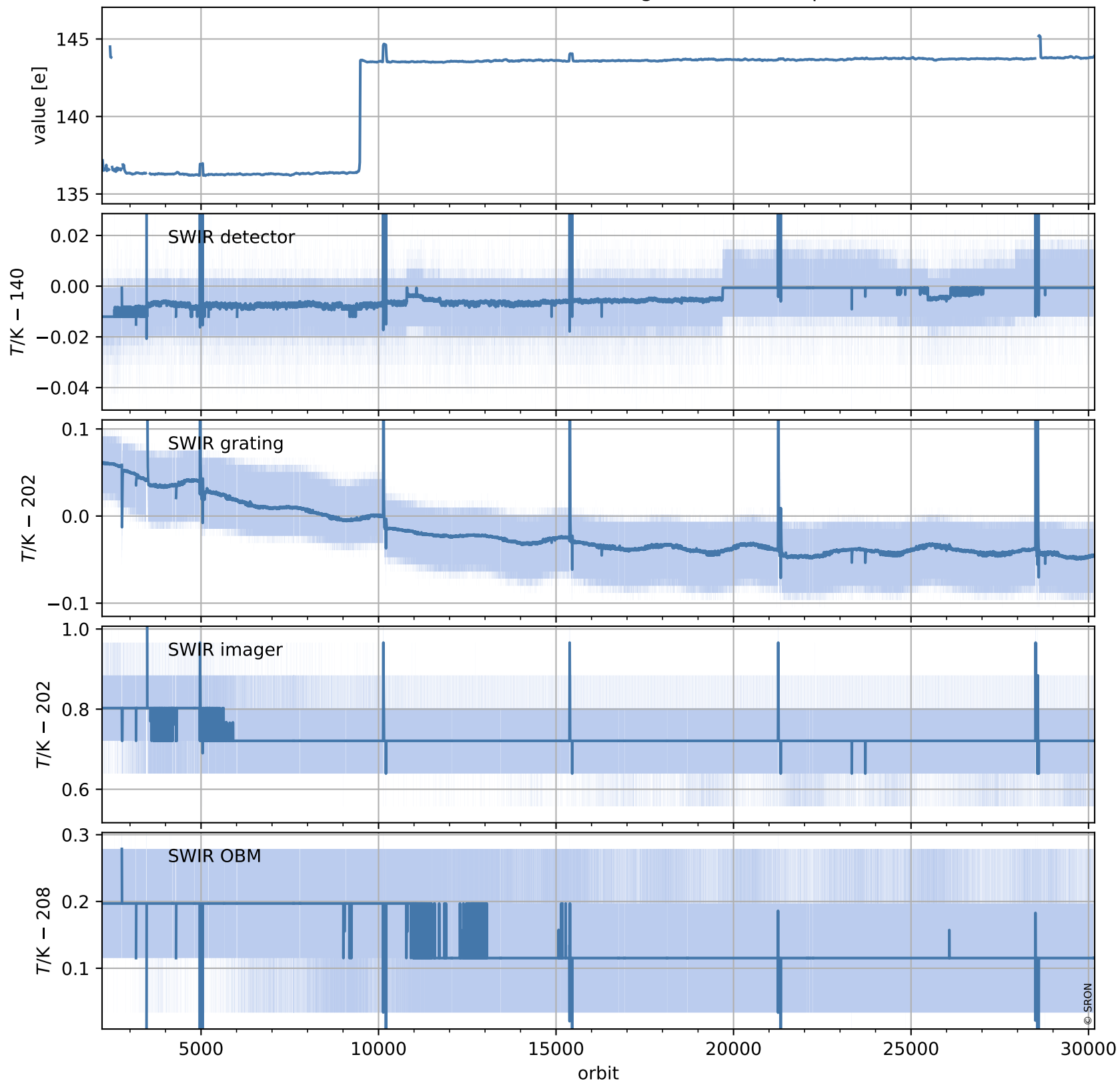
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 30172]
coverage : 2018-03-18 / 2023-08-07
created : 2023-08-21T17:12:14

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 30172]
coverage : 2018-03-18 / 2023-08-07
created : 2023-08-21T17:12:15

trend of normalized read-noise & temperatures

