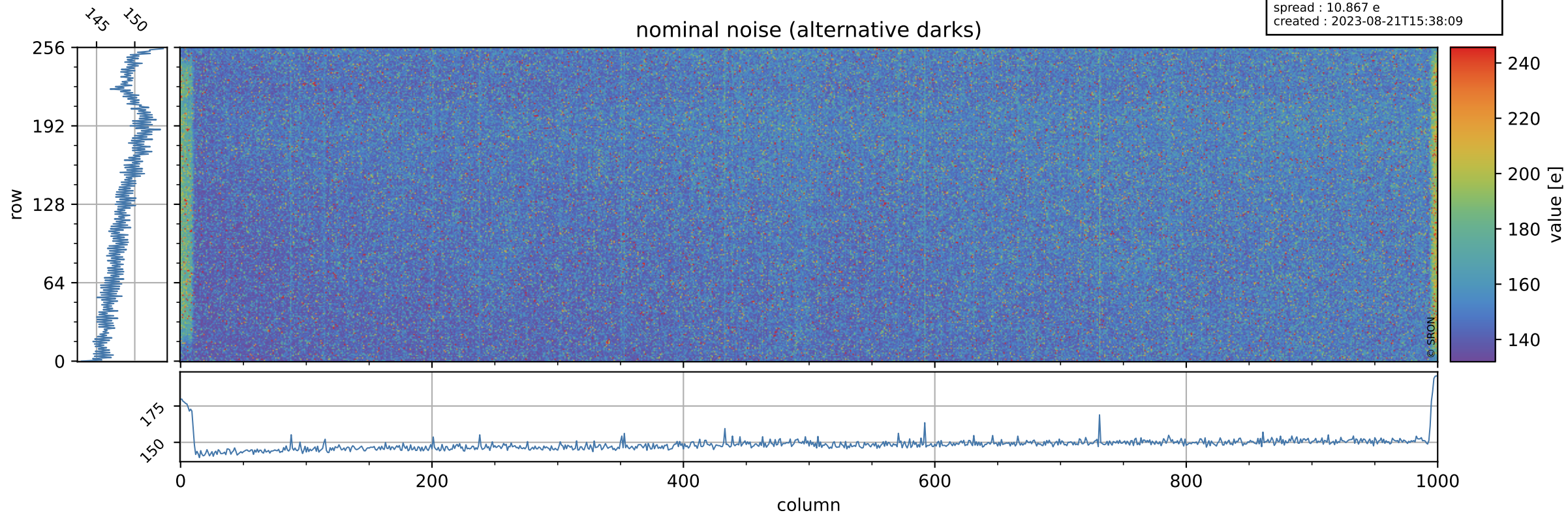


Tropomi SWIR background noise (swir)

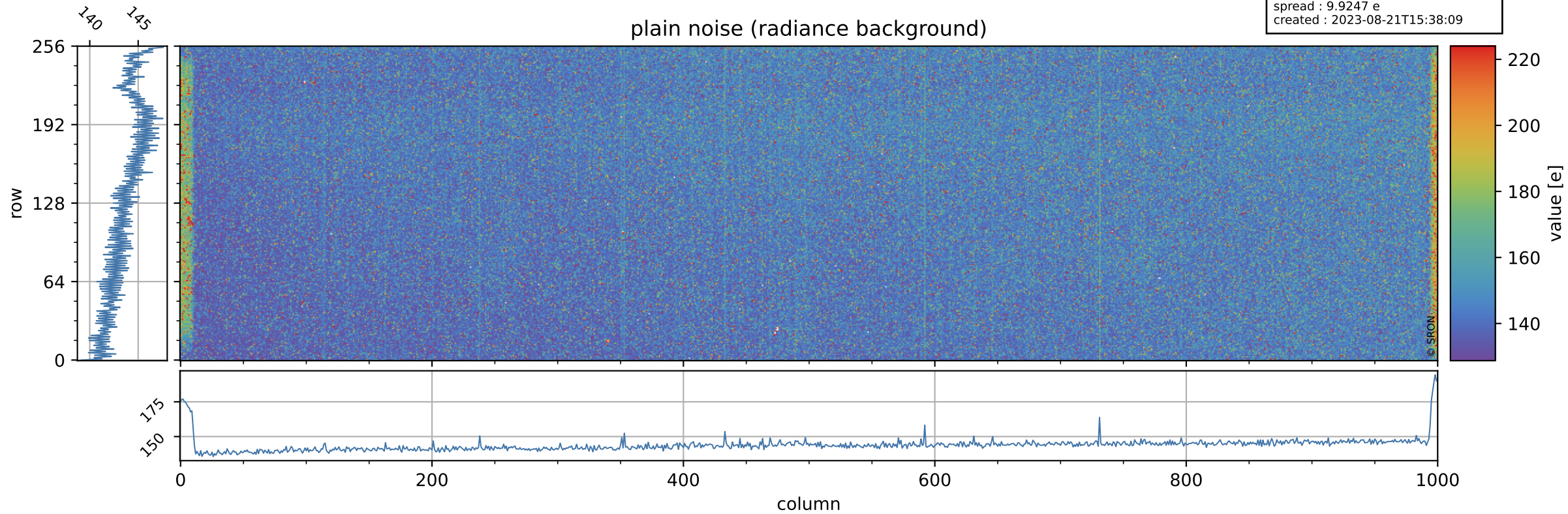
orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
n_coad, t_exp : 1, 1.0783
median : 148.5 e
spread : 10.867 e
created : 2023-08-21T15:38:09



Tropomi SWIR background noise (swir)

orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
n_coad, t_exp : 1, 0.8383
median : 143.61 e
spread : 9.9247 e
created : 2023-08-21T15:38:09

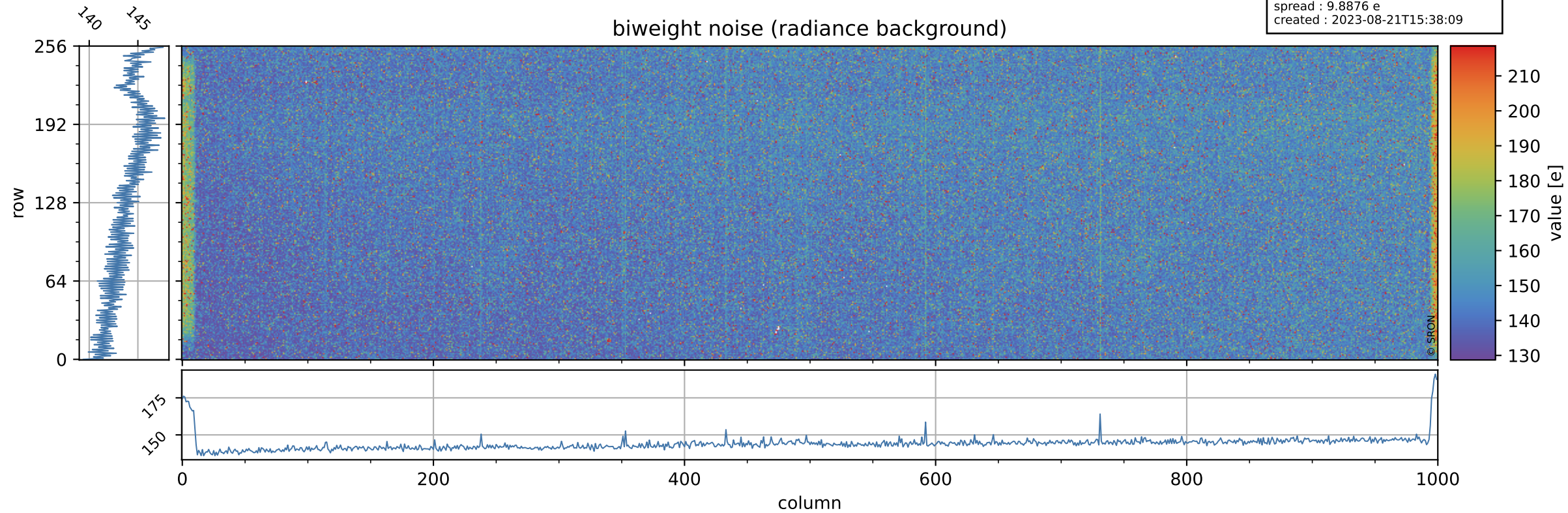
plain noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
n_coad, t_exp : 1, 0.8383
median : 143.77 e
spread : 9.8876 e
created : 2023-08-21T15:38:09

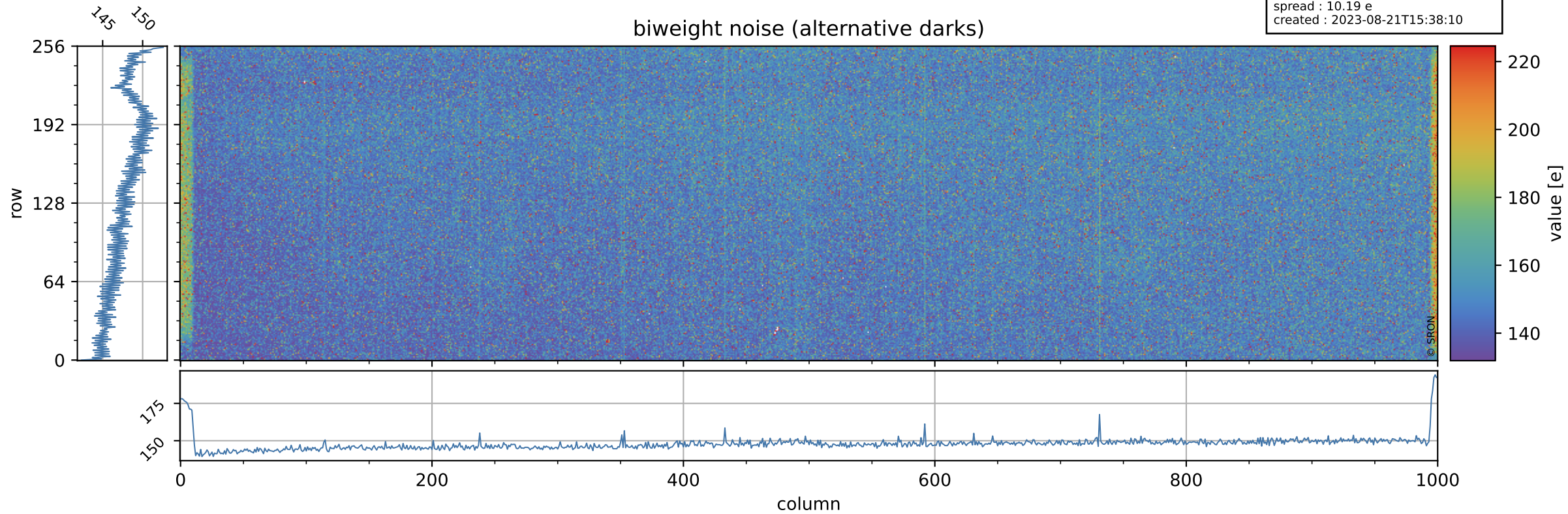
biweight noise (radiance background)



Tropomi SWIR background noise (swir)

orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
n_coad, t_exp : 1, 1.0783
median : 147.65 e
spread : 10.19 e
created : 2023-08-21T15:38:10

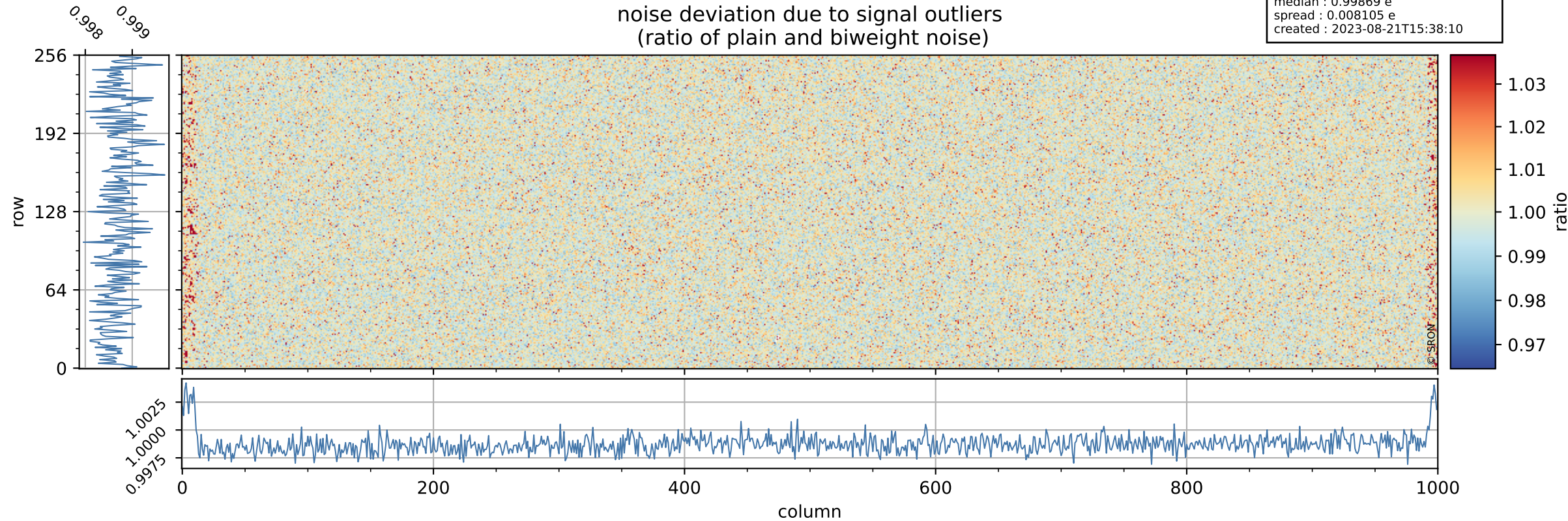
biweight noise (alternative darks)



Tropomi SWIR background noise (swir)

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

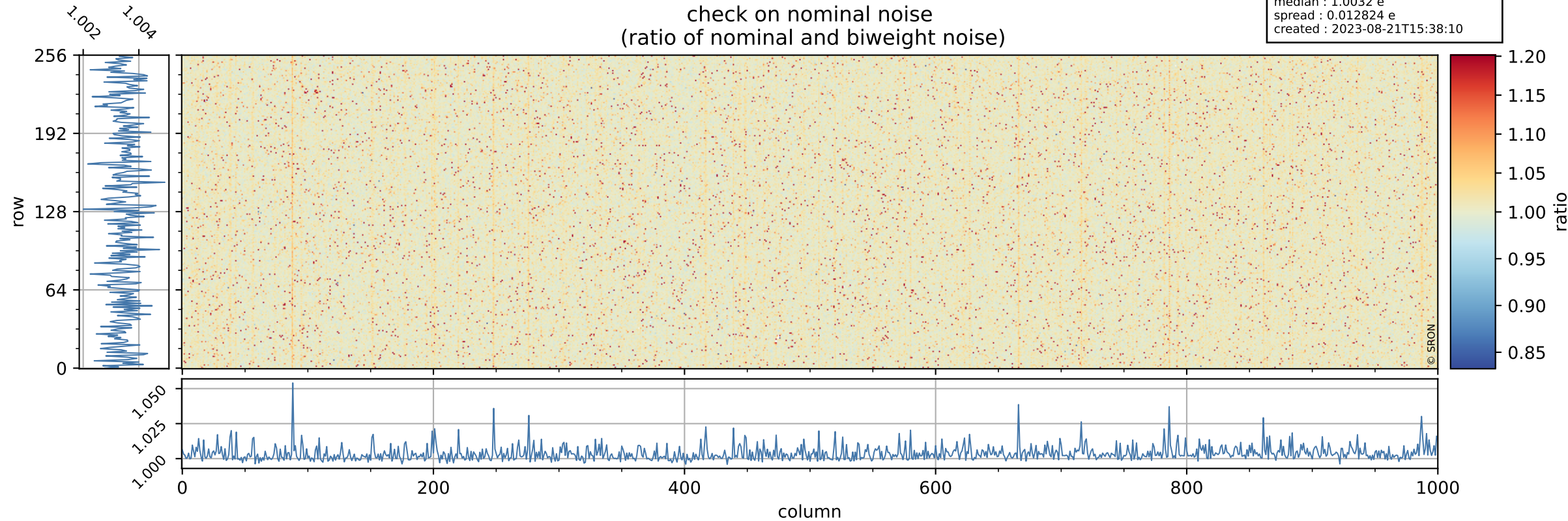
orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
median : 0.99869 e
spread : 0.008105 e
created : 2023-08-21T15:38:10



Tropomi SWIR background noise (swir)

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

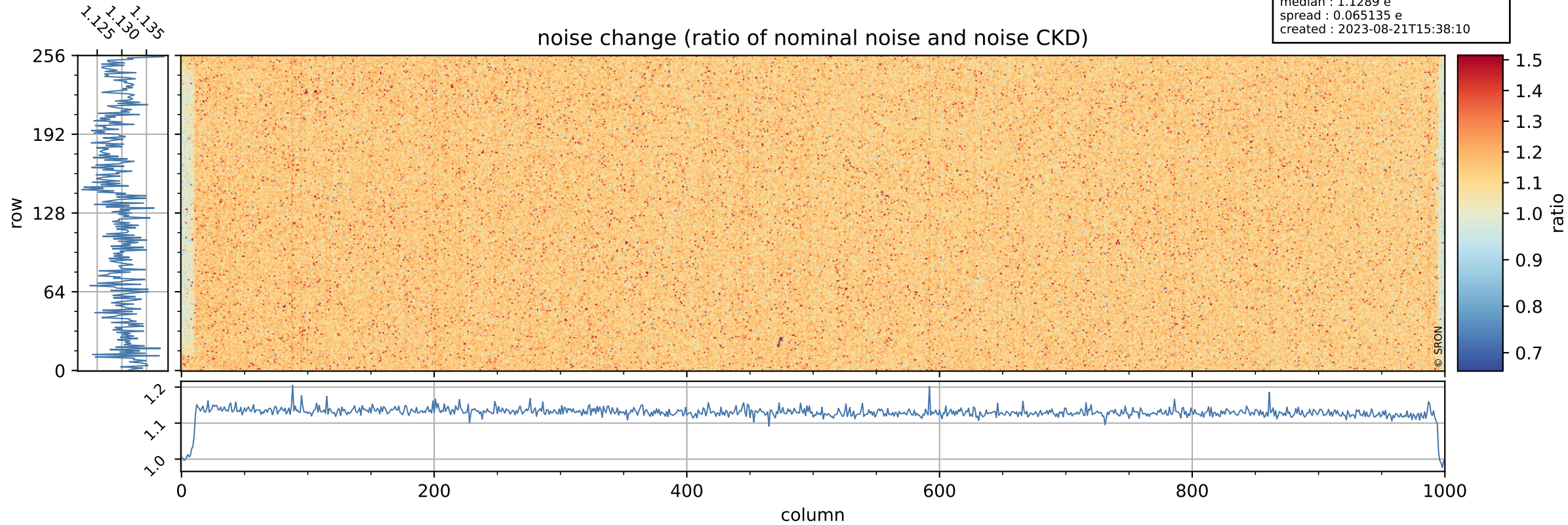
orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
median : 1.0032 e
spread : 0.012824 e
created : 2023-08-21T15:38:10



Tropomi SWIR background noise (swir)

orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
median : 1.1289 e
spread : 0.065135 e
created : 2023-08-21T15:38:10

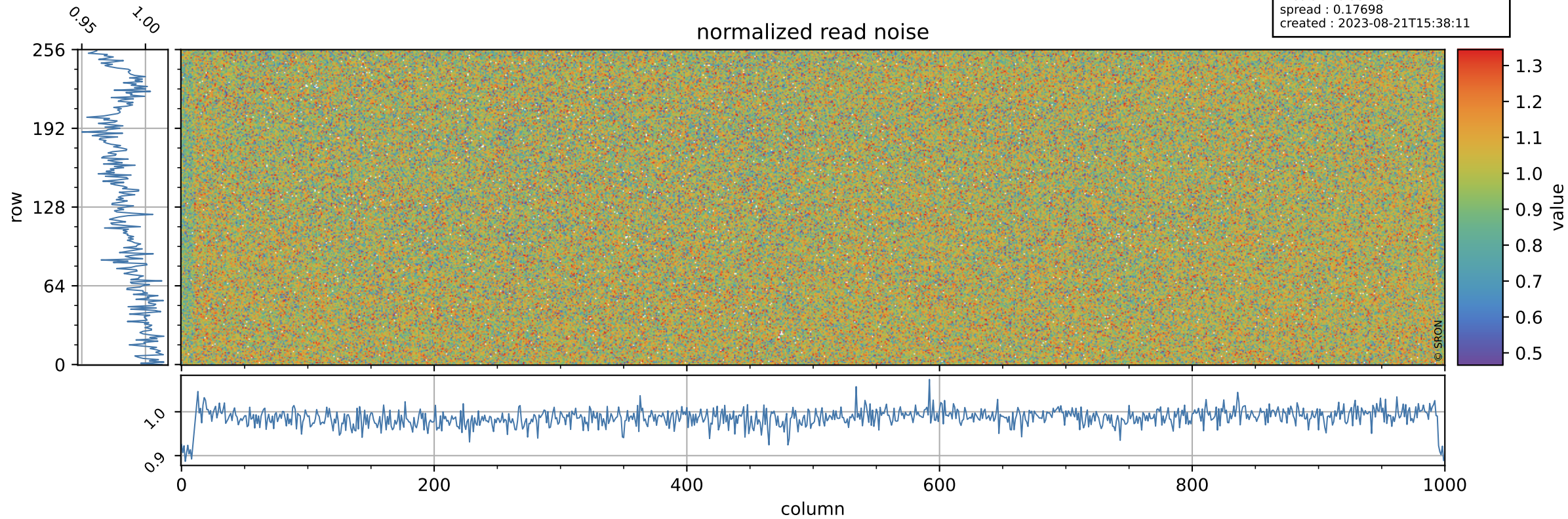
noise change (ratio of nominal noise and noise CKD)



Tropomi SWIR background noise (swir)

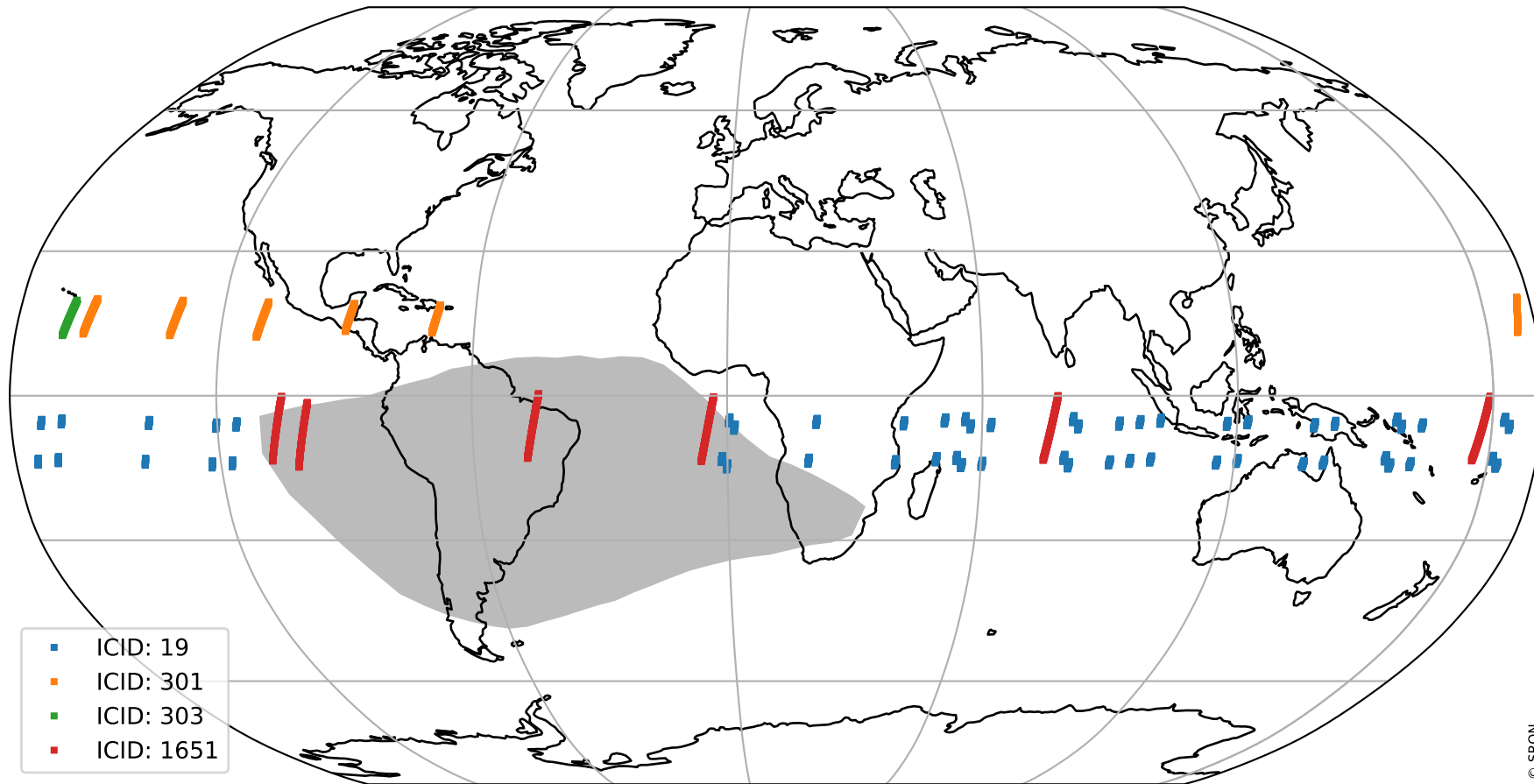
orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
median : 0.98473
spread : 0.17698
created : 2023-08-21T15:38:11

normalized read noise



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

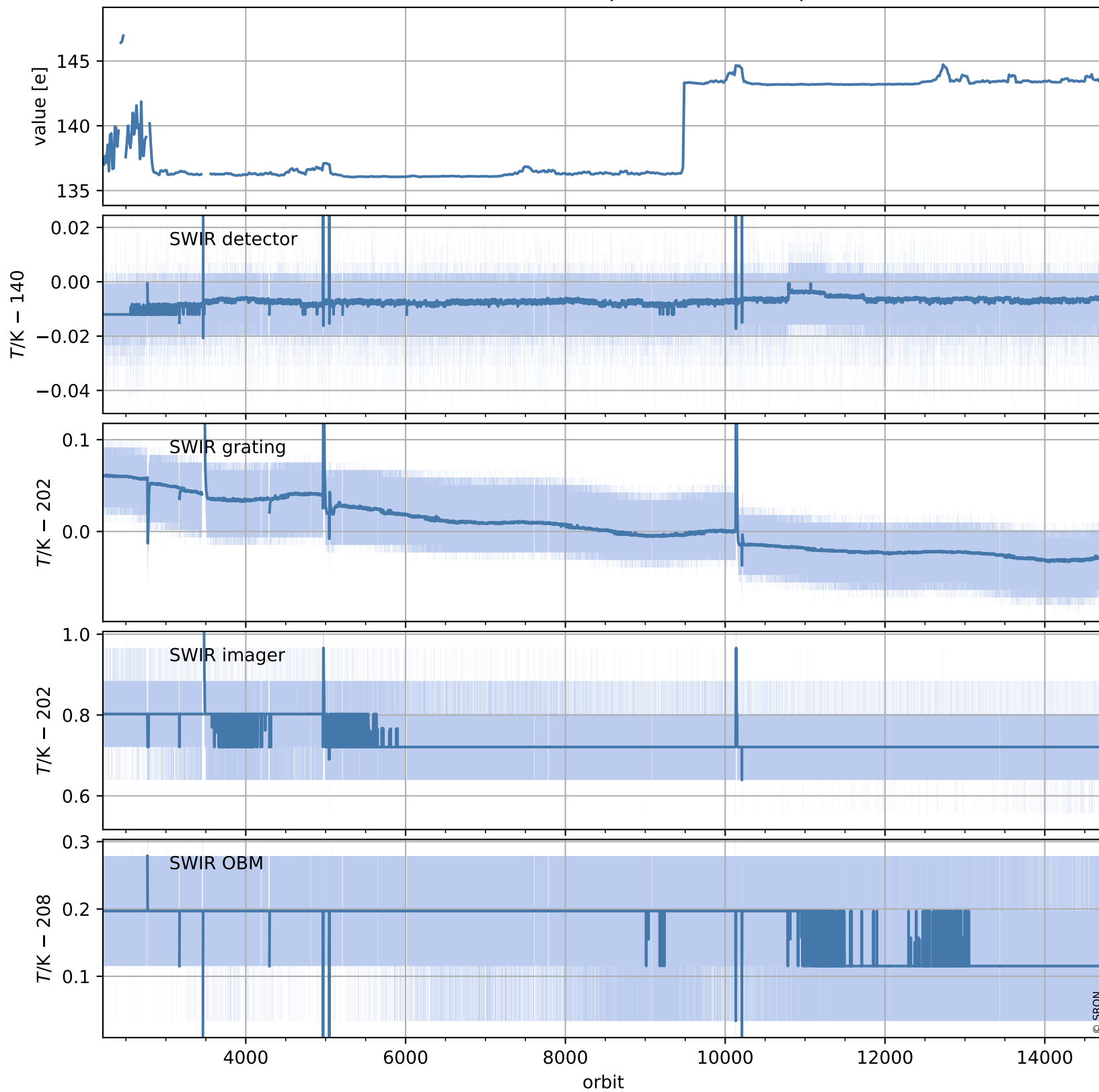
orbits : 13 in [14647, 14737]
coverage : 2020-08-11 / 2020-08-17
created : 2023-08-21T15:38:11



Tropomi SWIR background noise (swir)

orbits : [2212, 14737]
coverage : 2018-03-18 / 2020-08-17
created : 2023-08-21T15:38:11

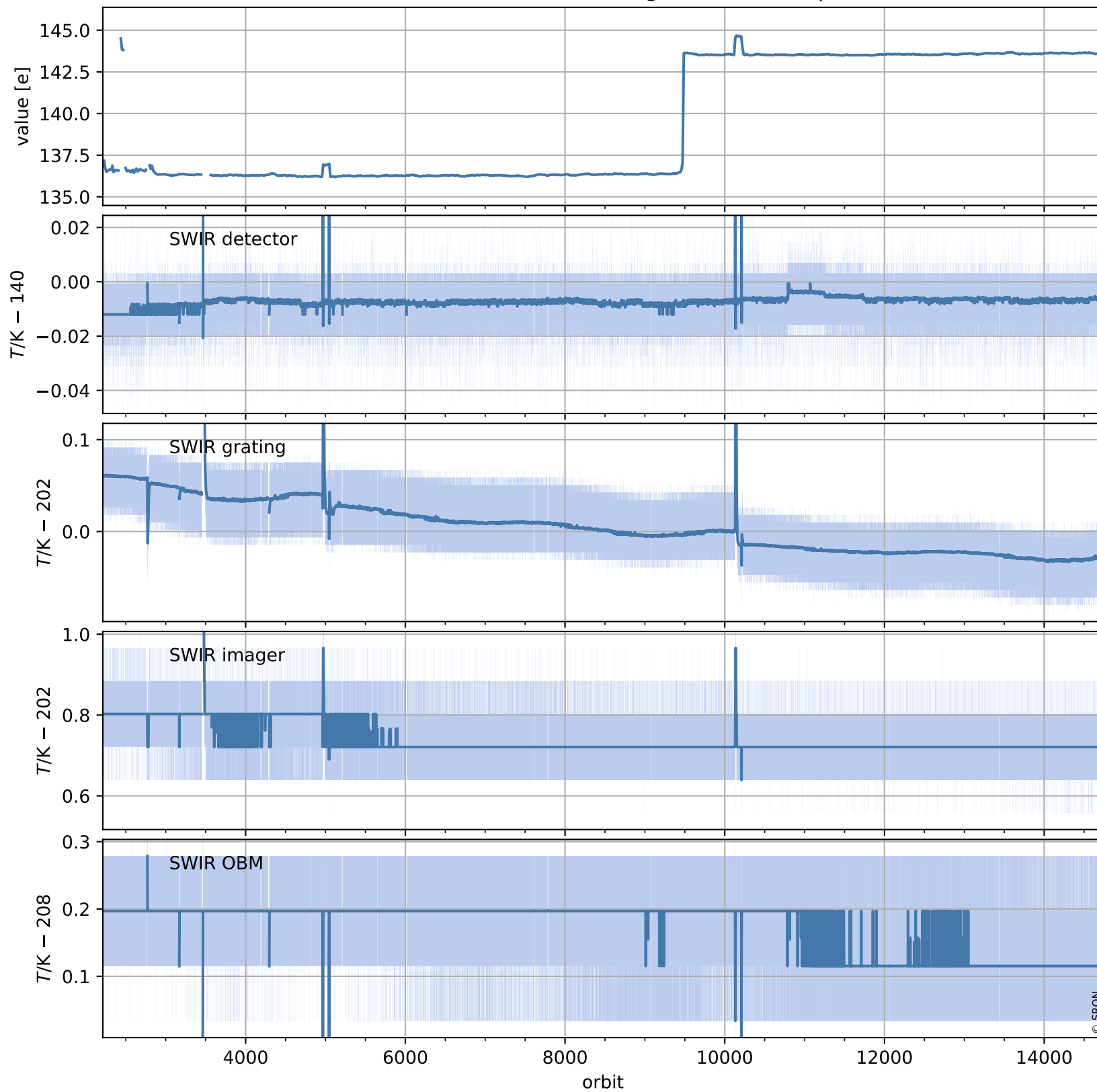
trend of detector median of plain noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 14737]
coverage : 2018-03-18 / 2020-08-17
created : 2023-08-21T15:38:12

trend of detector median of biweight noise & temperatures



Tropomi SWIR background noise (swir)

orbits : [2212, 14737]
coverage : 2018-03-18 / 2020-08-17
created : 2023-08-21T15:38:13

trend of normalized read-noise & temperatures

