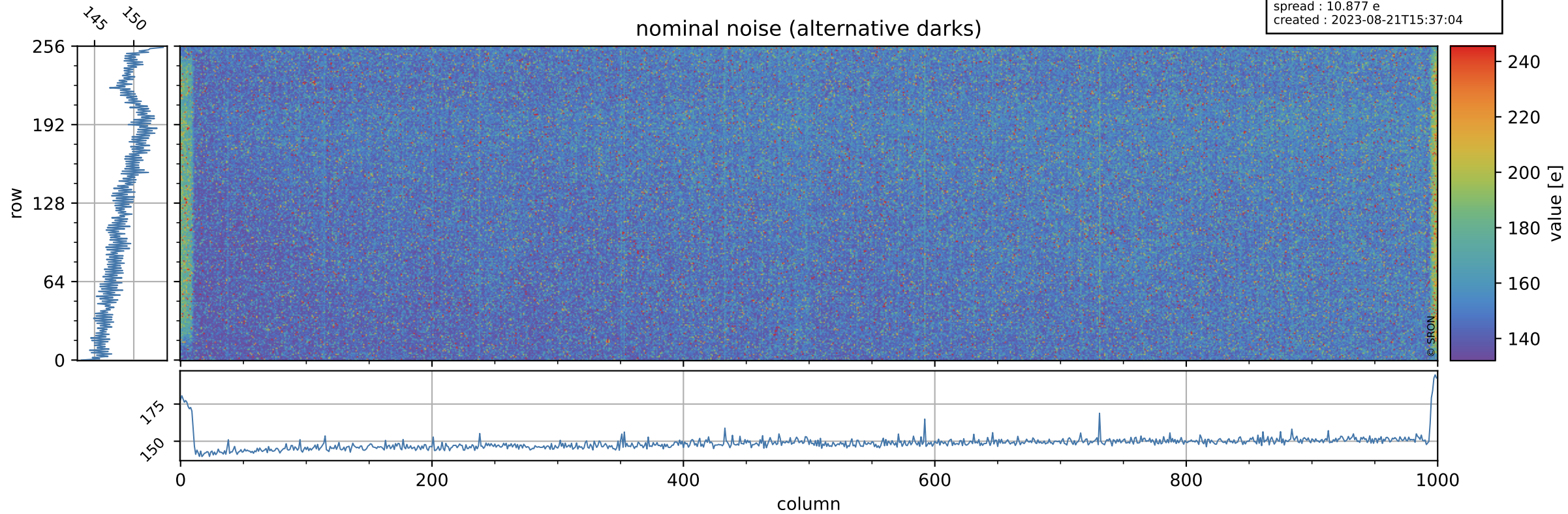


# Tropomi SWIR background noise (swir)

orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.56 e  
spread : 10.877 e  
created : 2023-08-21T15:37:04

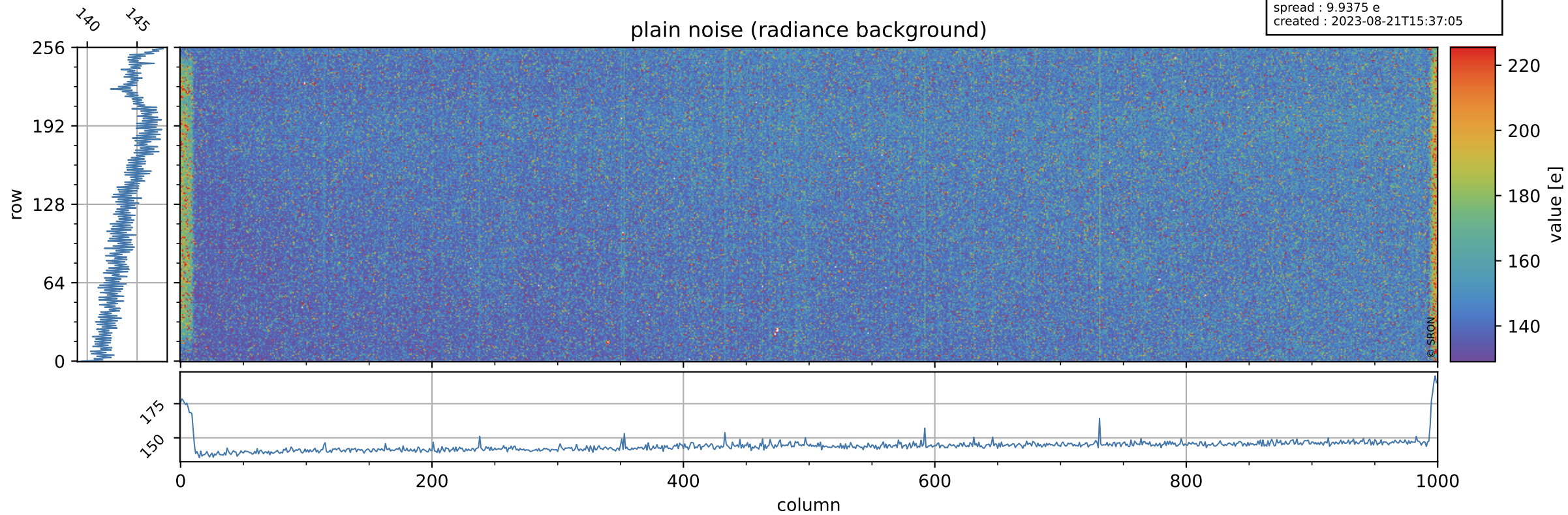
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.92 e  
spread : 9.9375 e  
created : 2023-08-21T15:37:05

plain noise (radiance background)

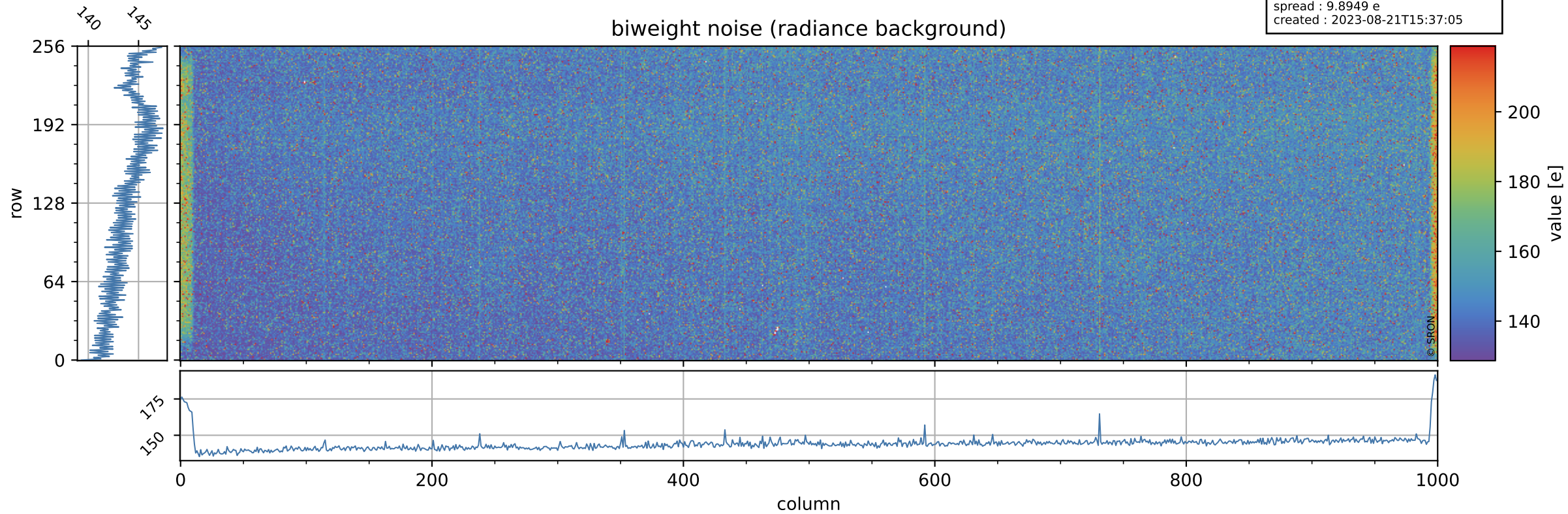




# Tropomi SWIR background noise (swir)

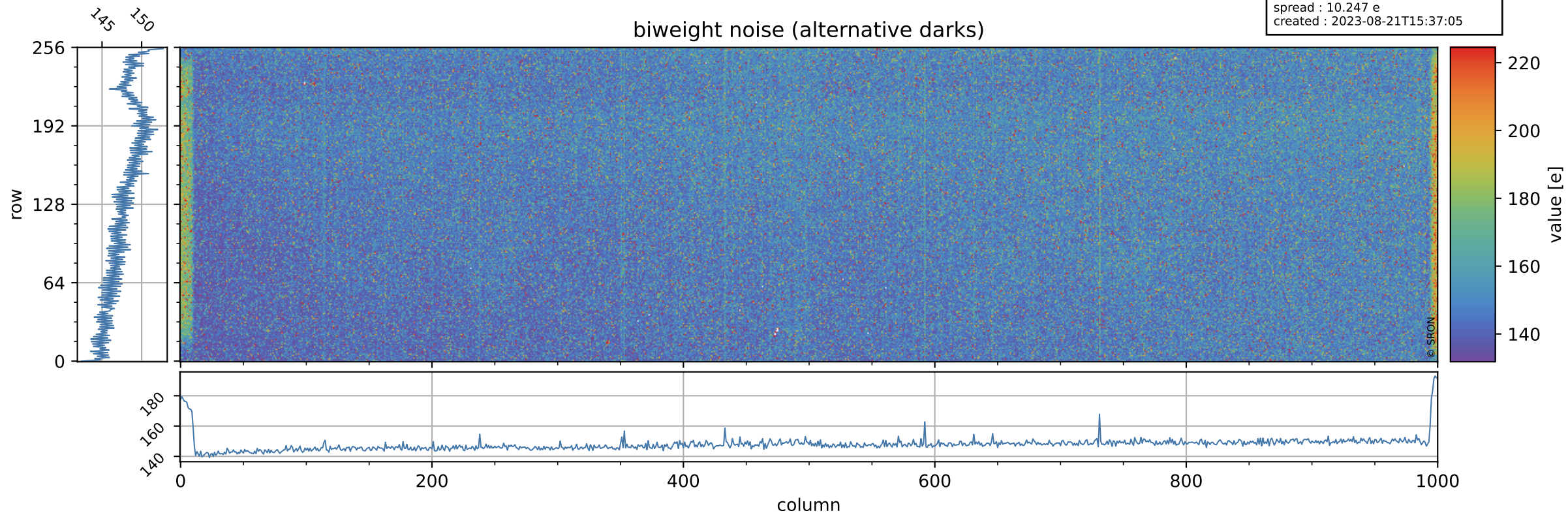
orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.8949 e  
created : 2023-08-21T15:37:05

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.247 e  
created : 2023-08-21T15:37:05

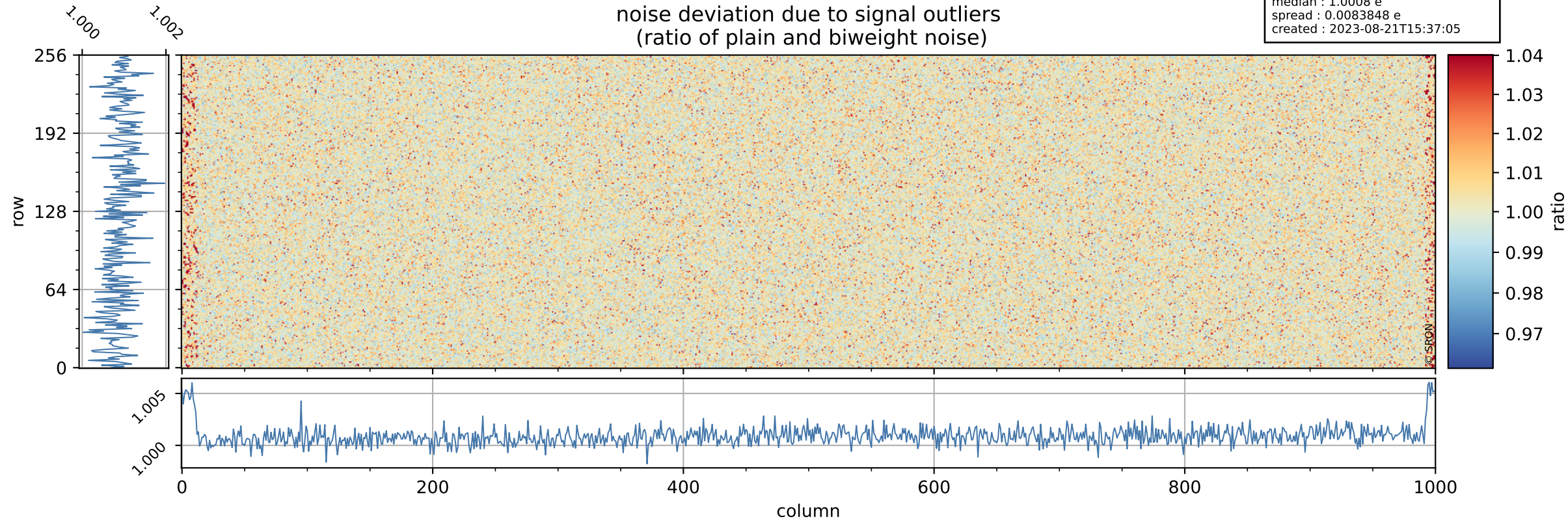




# Tropomi SWIR background noise (swir)

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

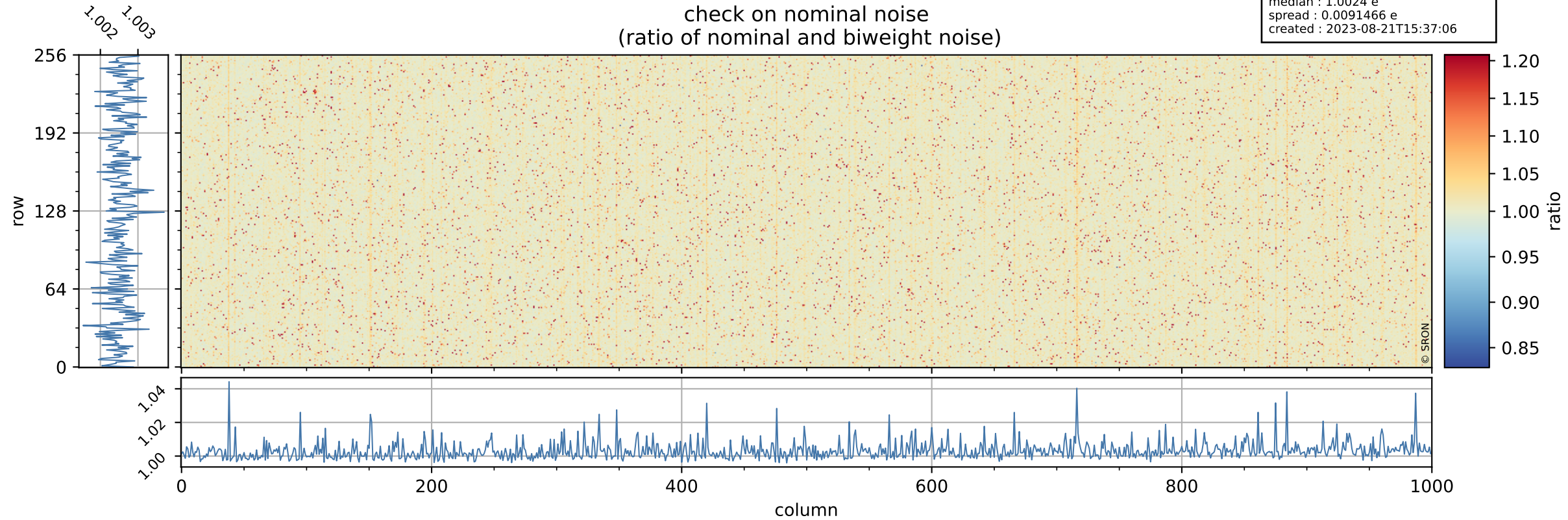
orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
median : 1.0008 e  
spread : 0.0083848 e  
created : 2023-08-21T15:37:05



# Tropomi SWIR background noise (swir)

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

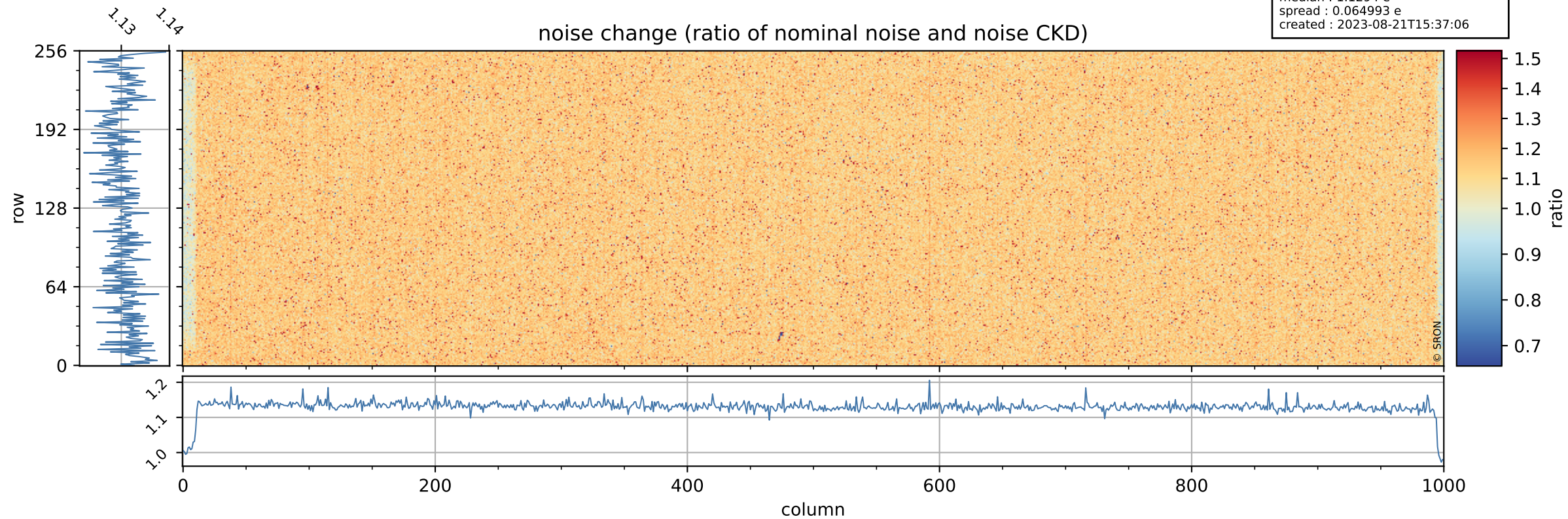
orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
median : 1.0024 e  
spread : 0.0091466 e  
created : 2023-08-21T15:37:06





# Tropomi SWIR background noise (swir)

orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
median : 1.1294 e  
spread : 0.064993 e  
created : 2023-08-21T15:37:06

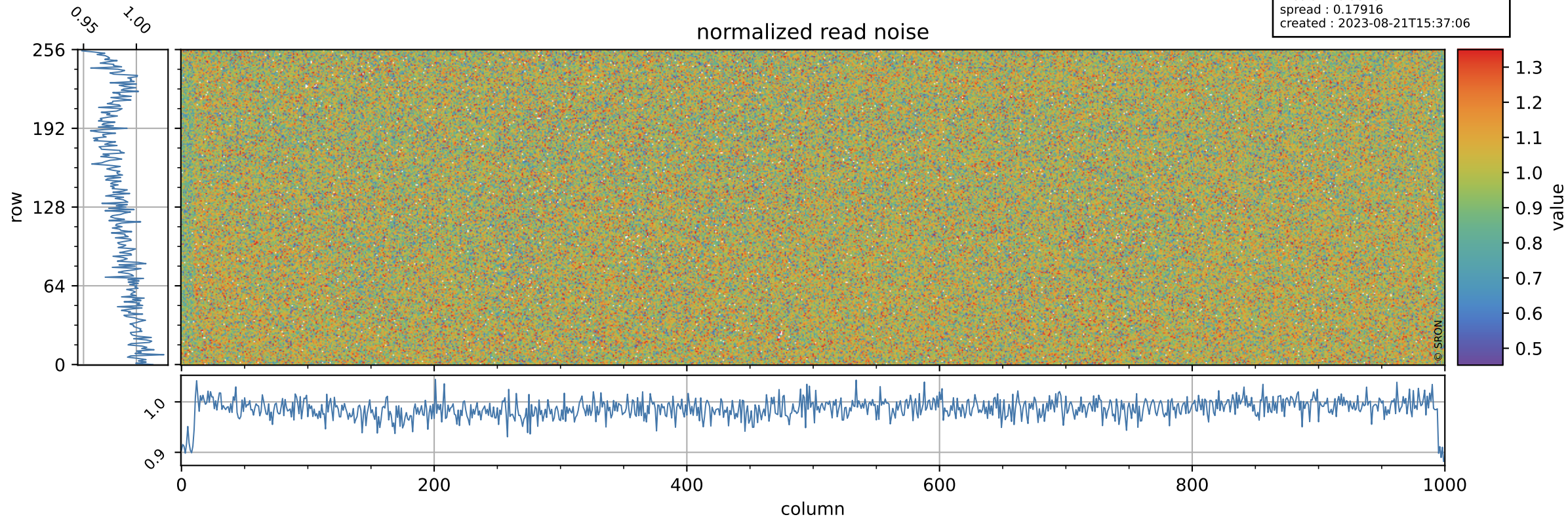




# Tropomi SWIR background noise (swir)

orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
median : 0.98462  
spread : 0.17916  
created : 2023-08-21T15:37:06

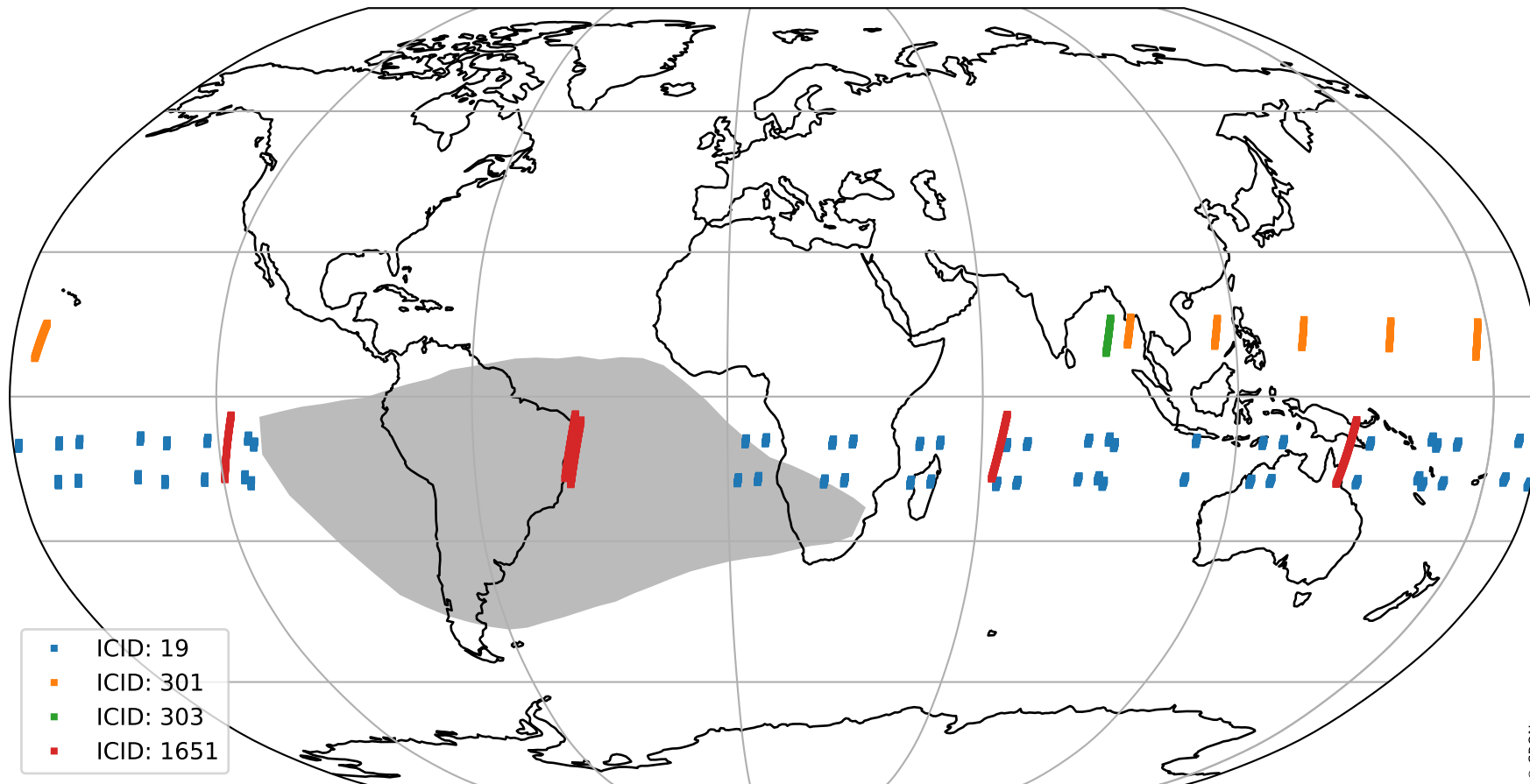
normalized read noise





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

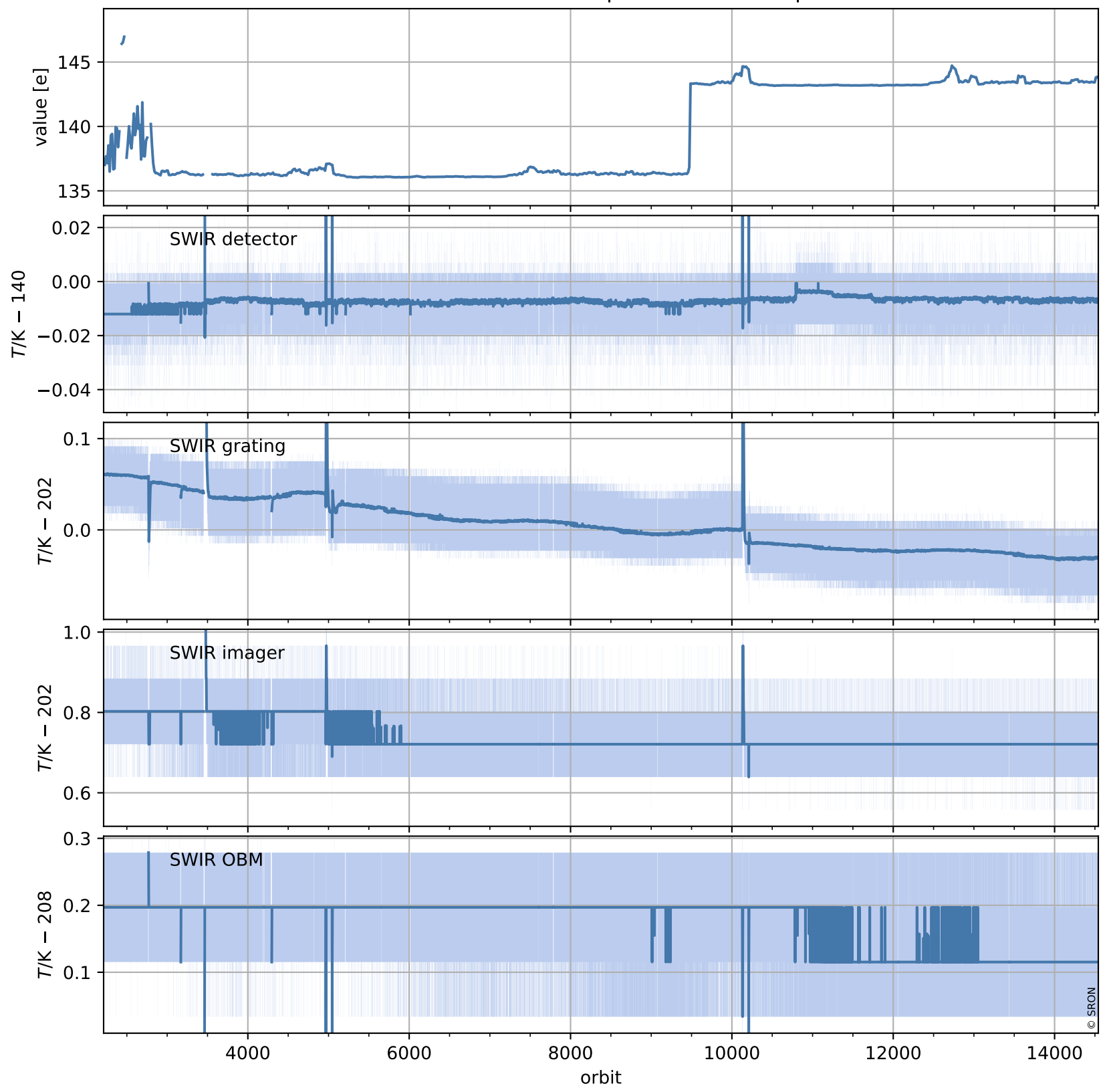
orbits : 12 in [14452, 14542]  
coverage : 2020-07-28 / 2020-08-03  
created : 2023-08-21T15:37:07



# Tropomi SWIR background noise (swir)

orbits : [2212, 14542]  
coverage : 2018-03-18 / 2020-08-03  
created : 2023-08-21T15:37:07

## trend of detector median of plain noise & temperatures

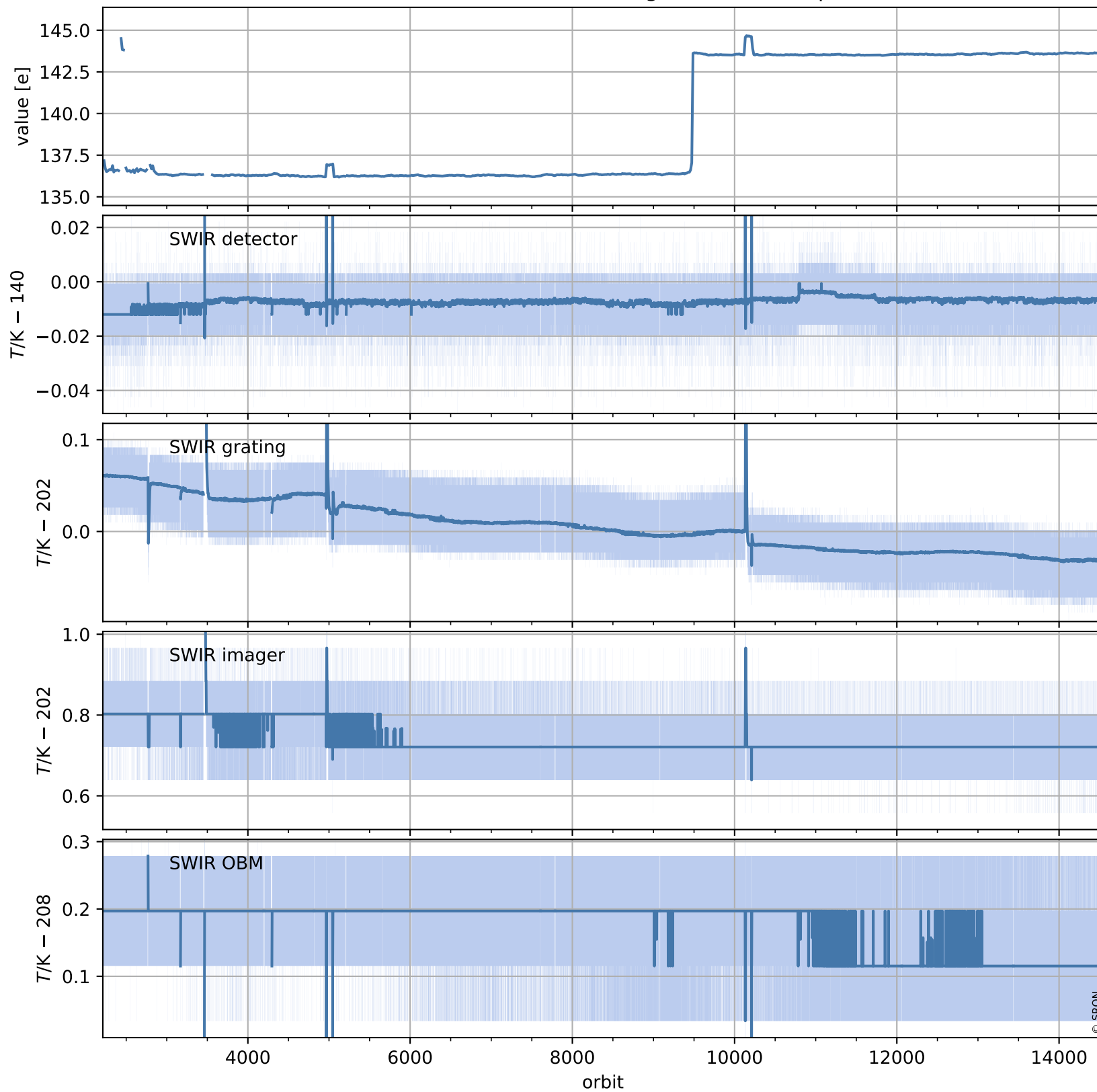




# Tropomi SWIR background noise (swir)

orbits : [2212, 14542]  
coverage : 2018-03-18 / 2020-08-03  
created : 2023-08-21T15:37:08

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14542]  
coverage : 2018-03-18 / 2020-08-03  
created : 2023-08-21T15:37:08

## trend of normalized read-noise & temperatures

