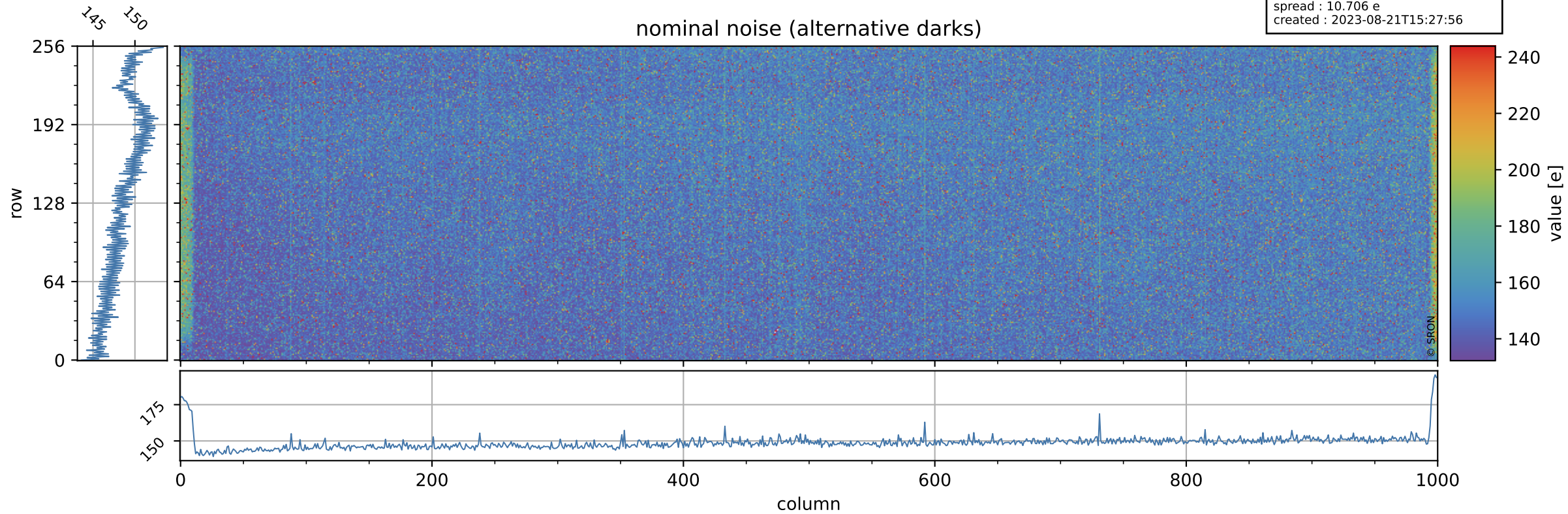


# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.5 e  
spread : 10.706 e  
created : 2023-08-21T15:27:56

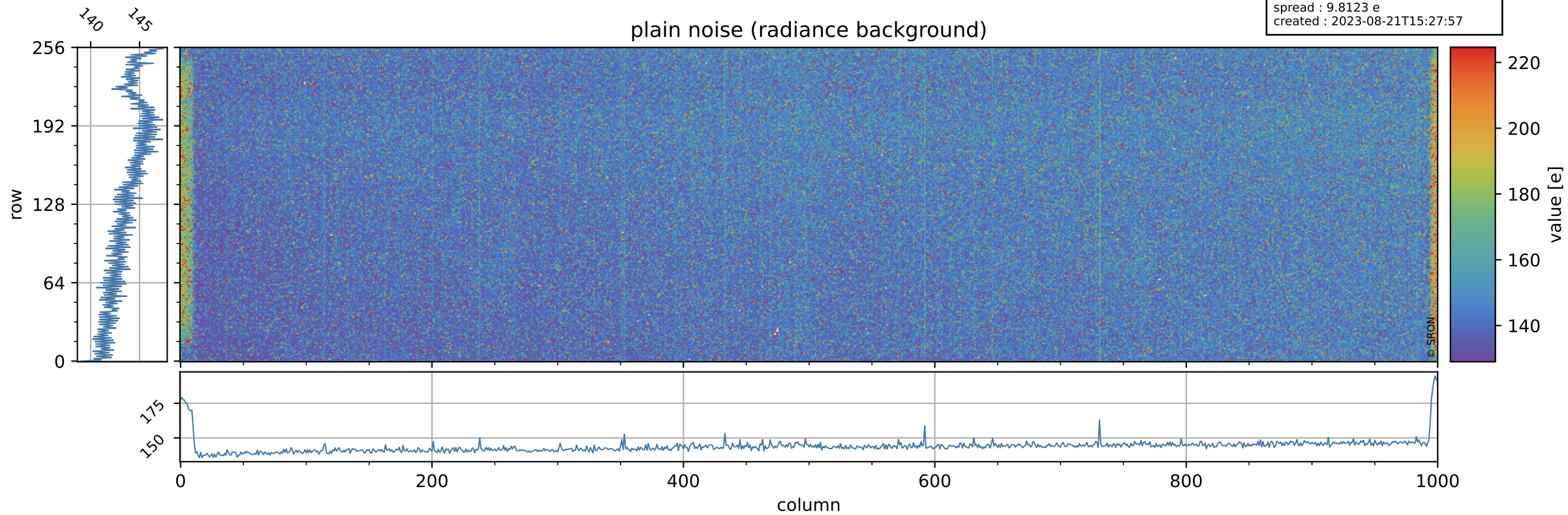
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.6 e  
spread : 9.8123 e  
created : 2023-08-21T15:27:57

## plain noise (radiance background)

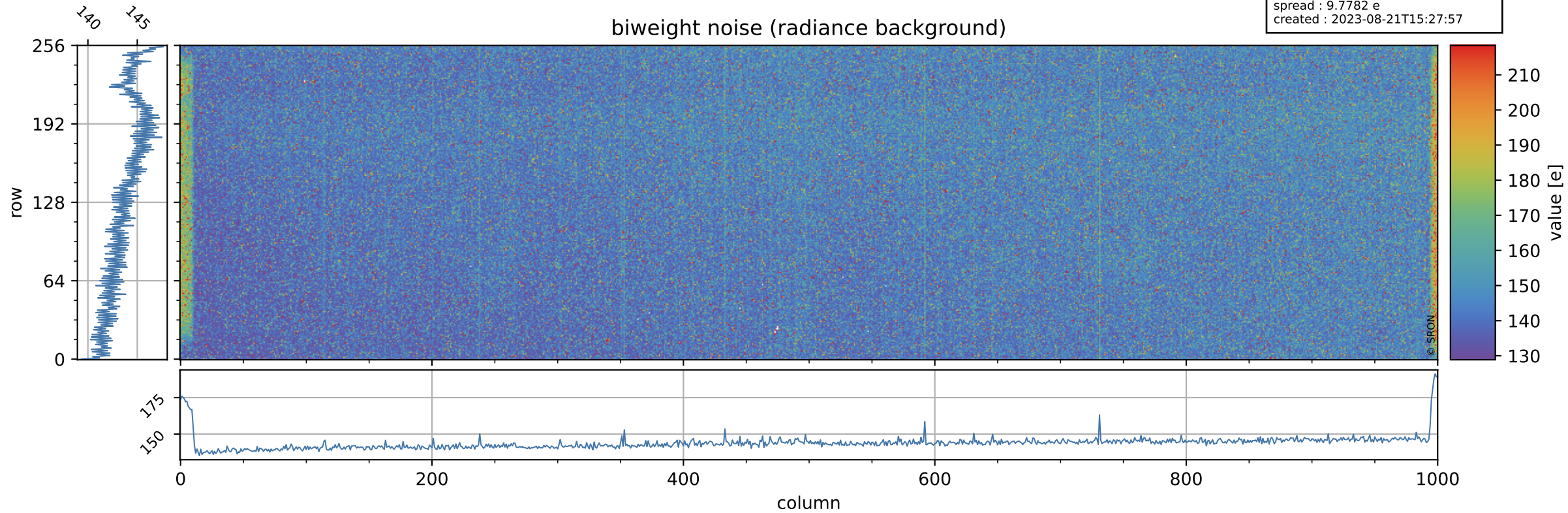




# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.7782 e  
created : 2023-08-21T15:27:57

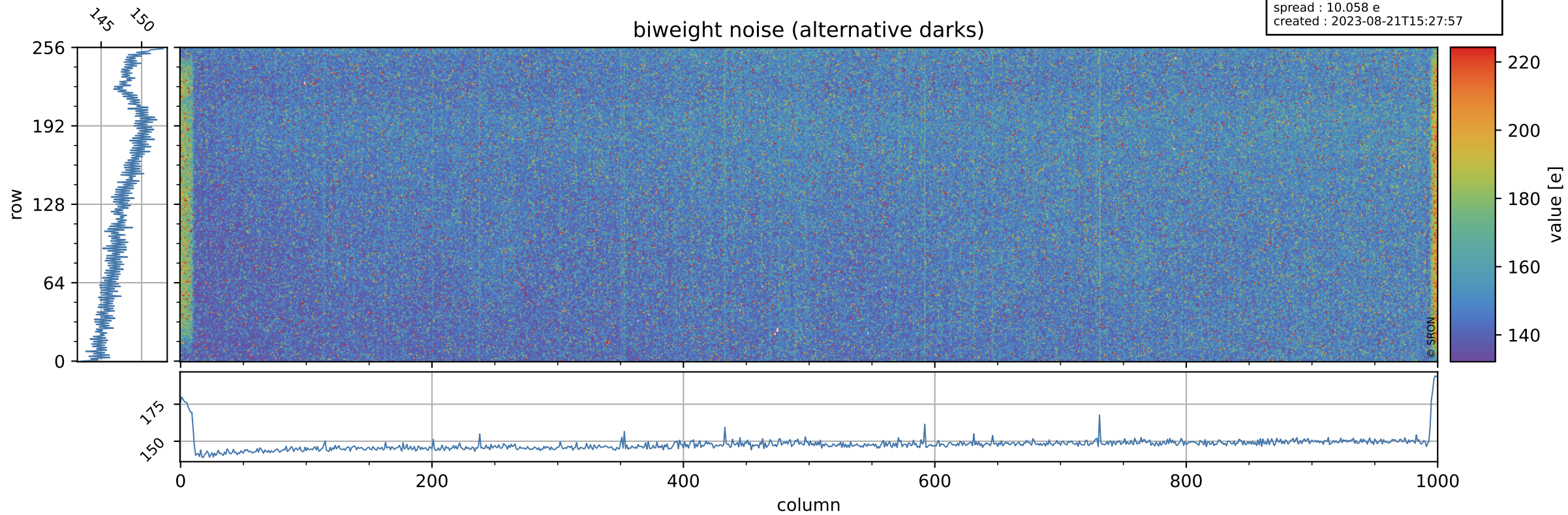
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.058 e  
created : 2023-08-21T15:27:57

## biweight noise (alternative darks)

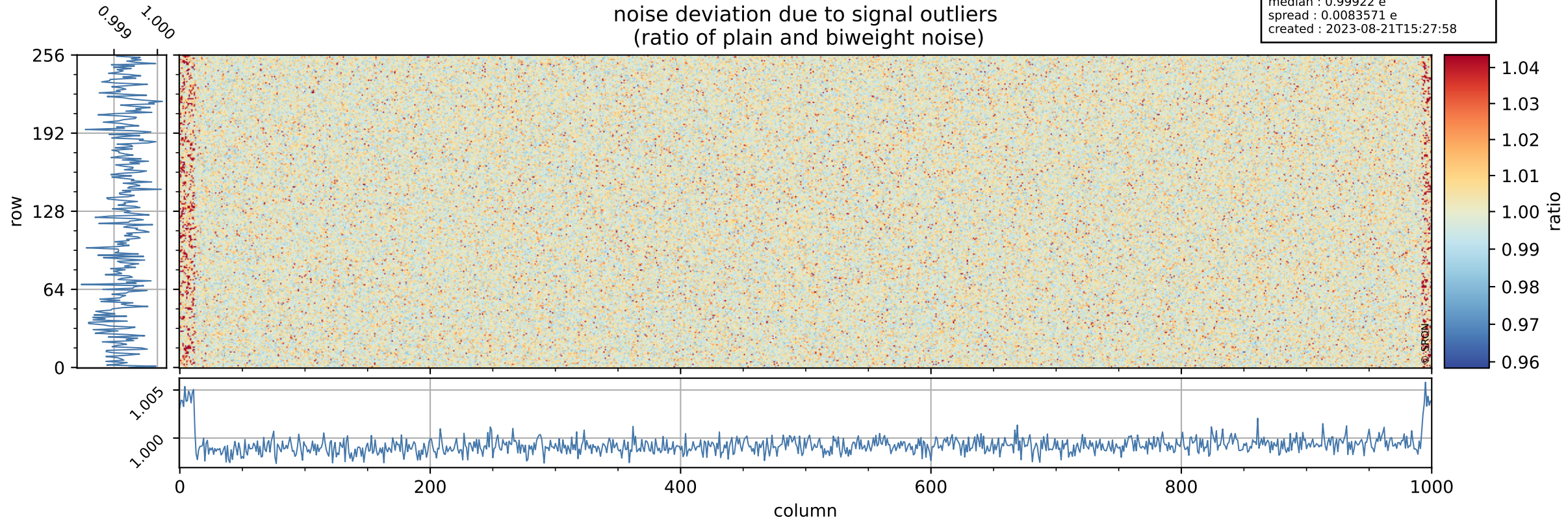




# Tropomi SWIR background noise (swir)

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

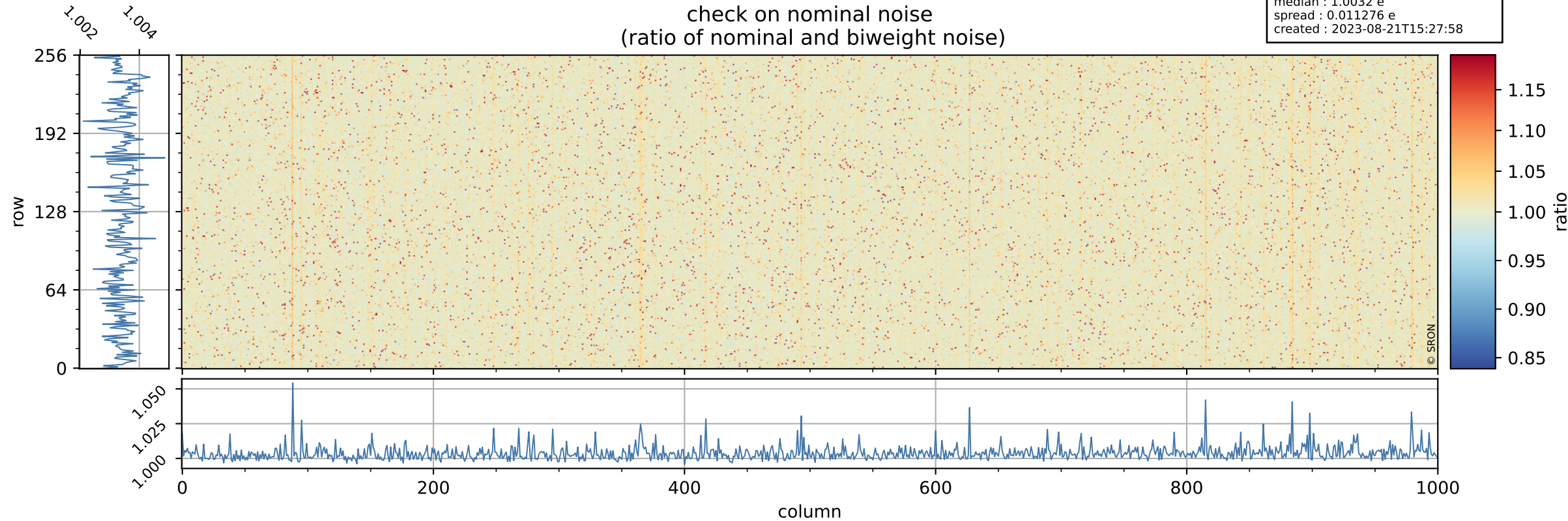
orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
median : 0.99922 e  
spread : 0.0083571 e  
created : 2023-08-21T15:27:58



# Tropomi SWIR background noise (swir)

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

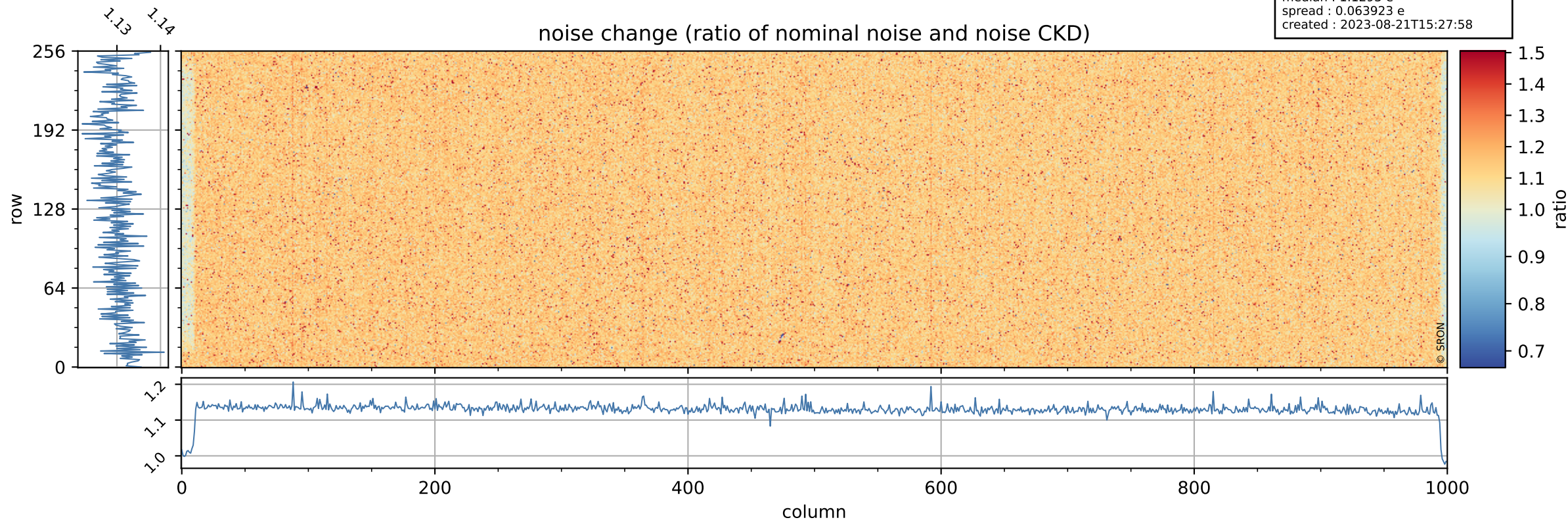
orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
median : 1.0032 e  
spread : 0.011276 e  
created : 2023-08-21T15:27:58





# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
median : 1.1293 e  
spread : 0.063923 e  
created : 2023-08-21T15:27:58

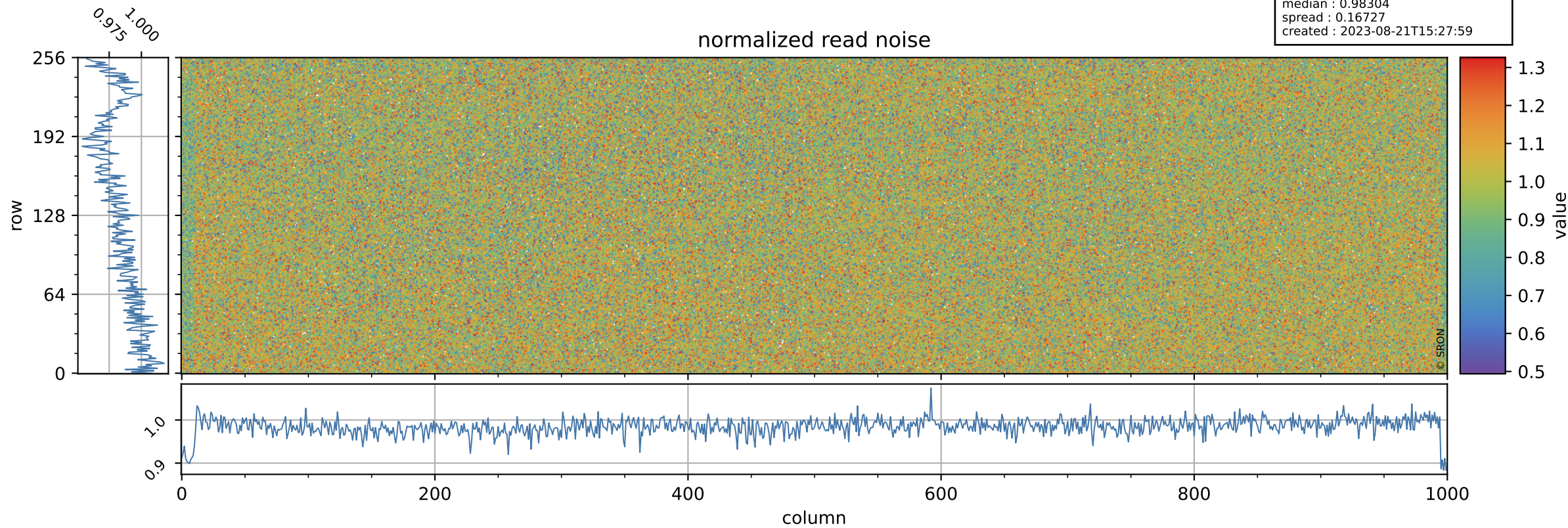




# Tropomi SWIR background noise (swir)

orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
median : 0.98304  
spread : 0.16727  
created : 2023-08-21T15:27:59

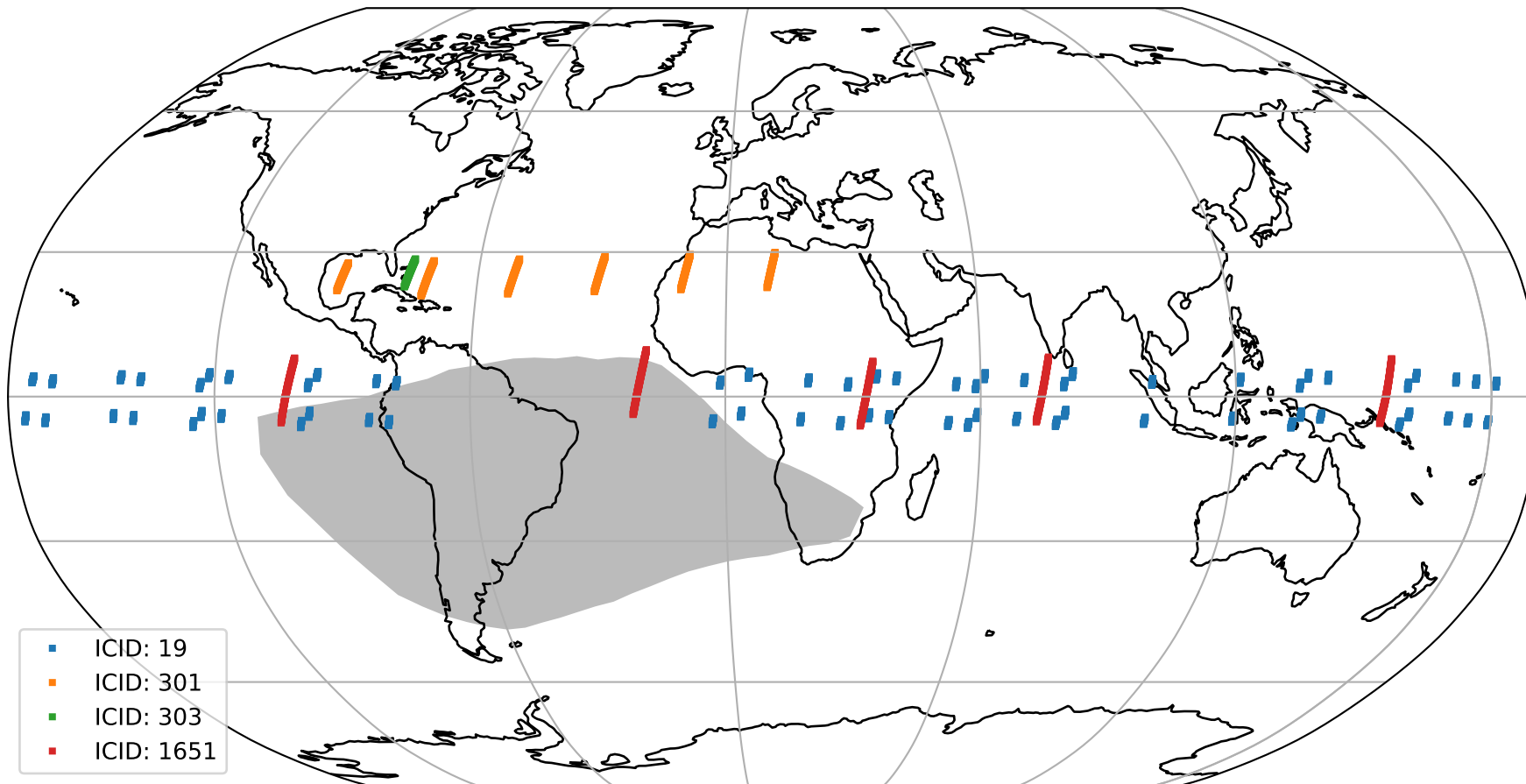
normalized read noise





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

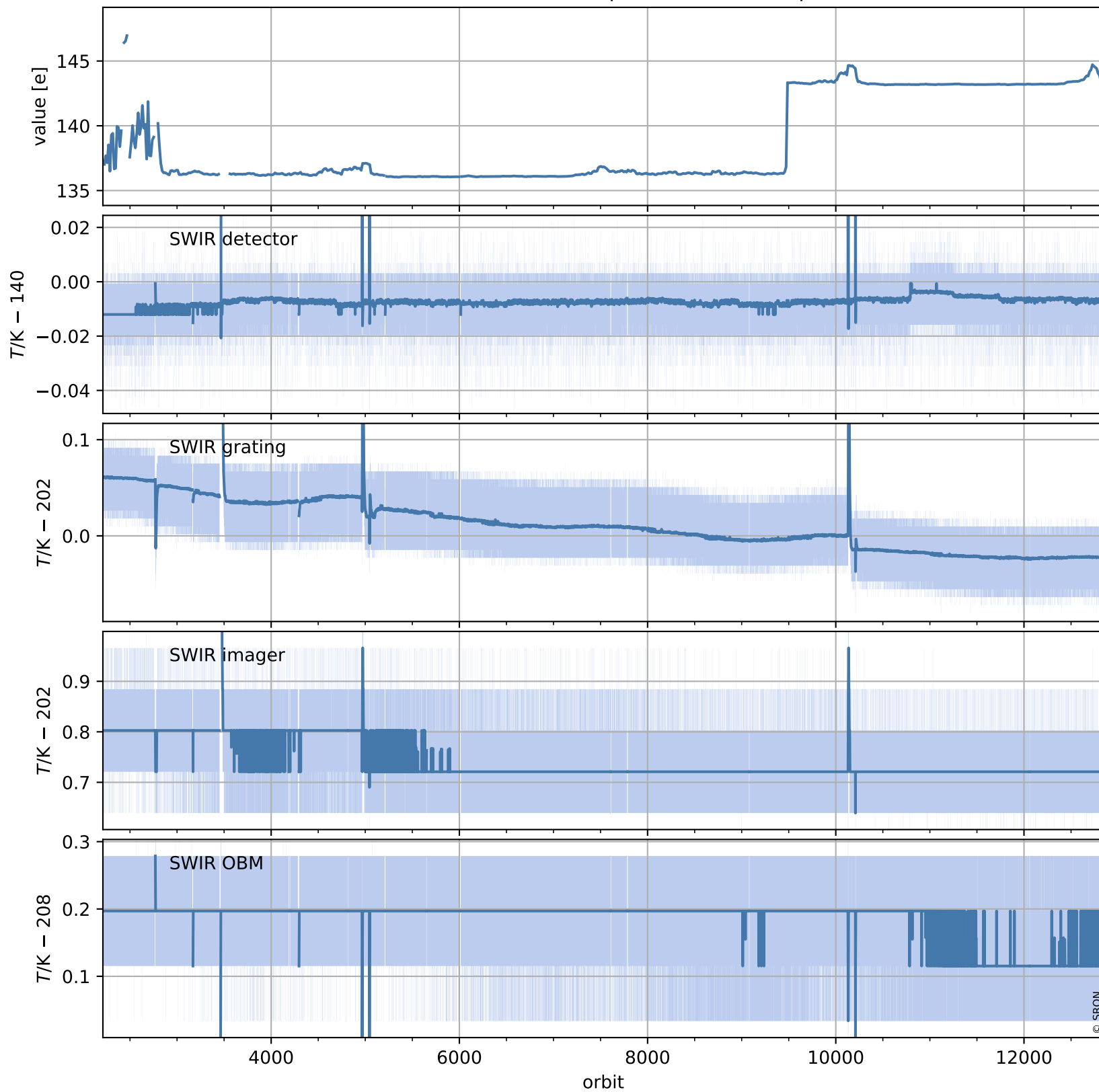
orbits : 12 in [12757, 12847]  
coverage : 2020-03-30 / 2020-04-05  
created : 2023-08-21T15:27:59



# Tropomi SWIR background noise (swir)

orbits : [2212, 12847]  
coverage : 2018-03-18 / 2020-04-05  
created : 2023-08-21T15:27:59

## trend of detector median of plain noise & temperatures

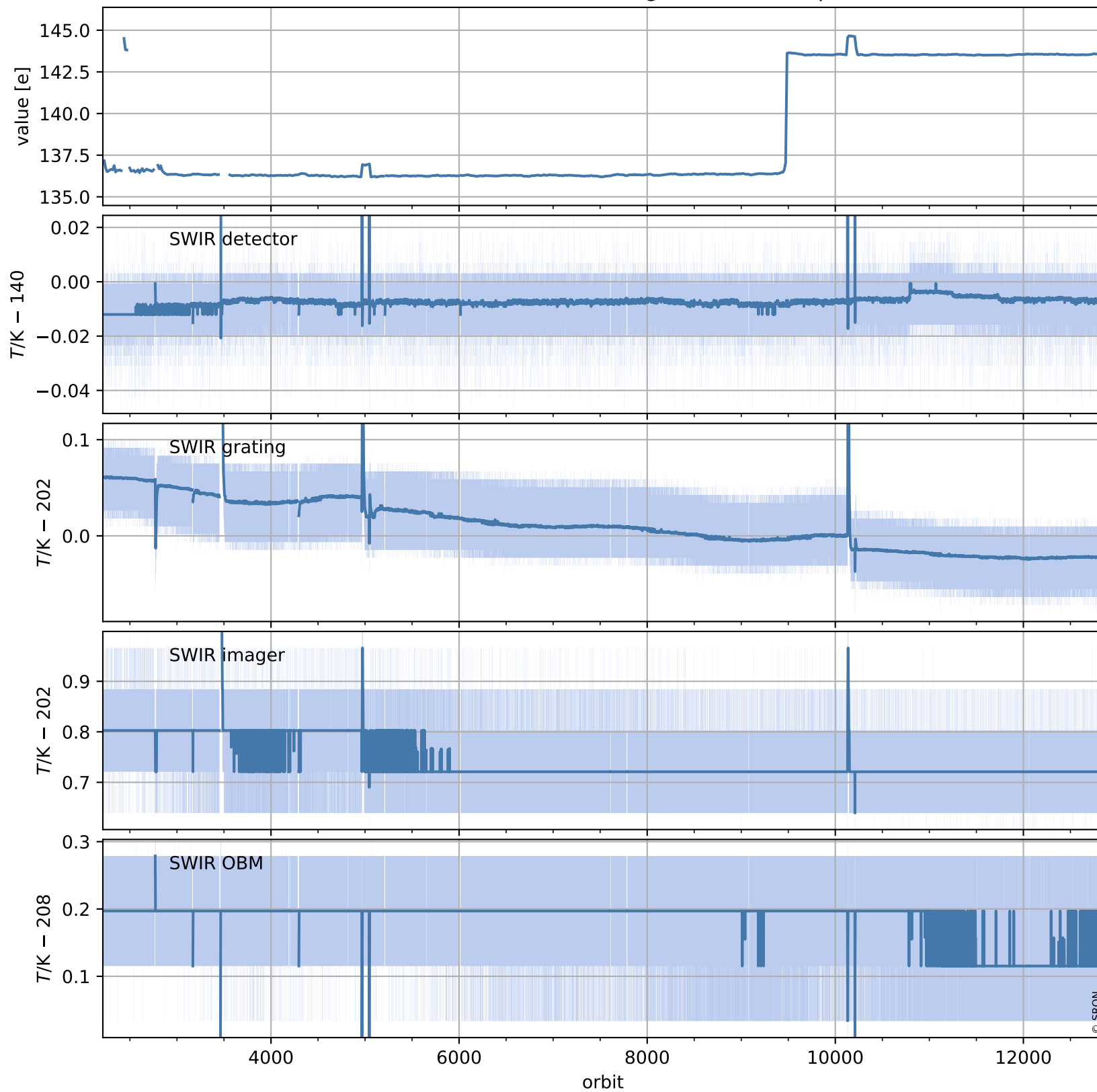




# Tropomi SWIR background noise (swir)

orbits : [2212, 12847]  
coverage : 2018-03-18 / 2020-04-05  
created : 2023-08-21T15:28:00

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12847]  
coverage : 2018-03-18 / 2020-04-05  
created : 2023-08-21T15:28:01

## trend of normalized read-noise & temperatures

