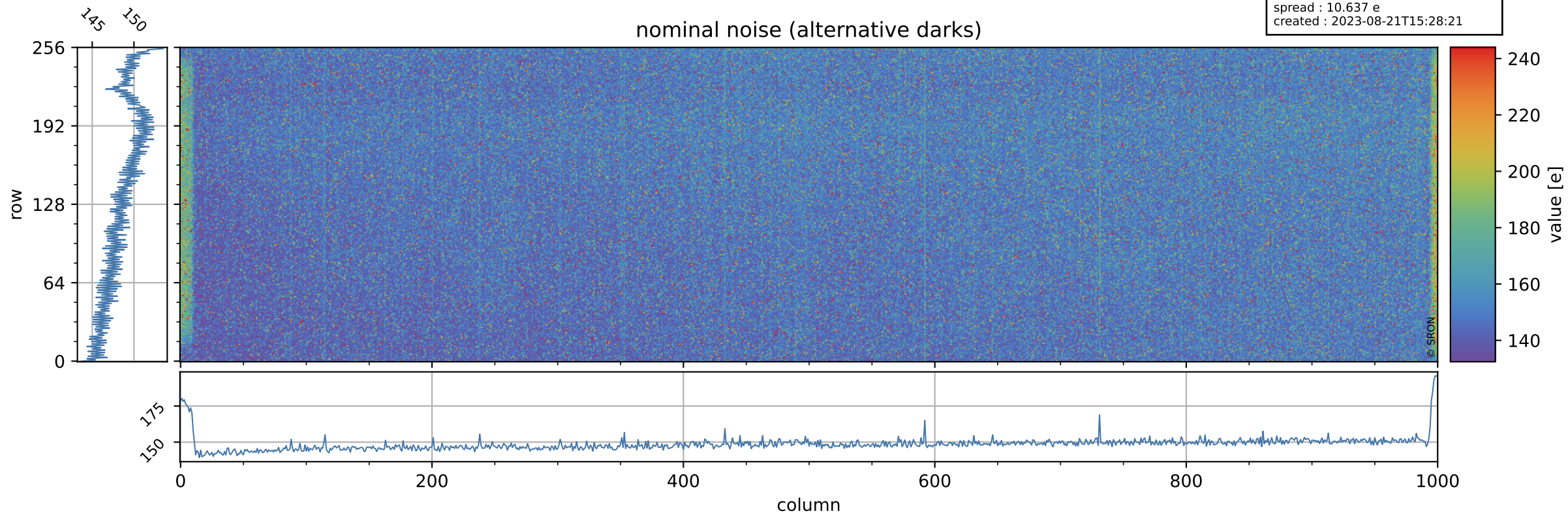


# Tropomi SWIR background noise (swir)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.637 e  
created : 2023-08-21T15:28:21

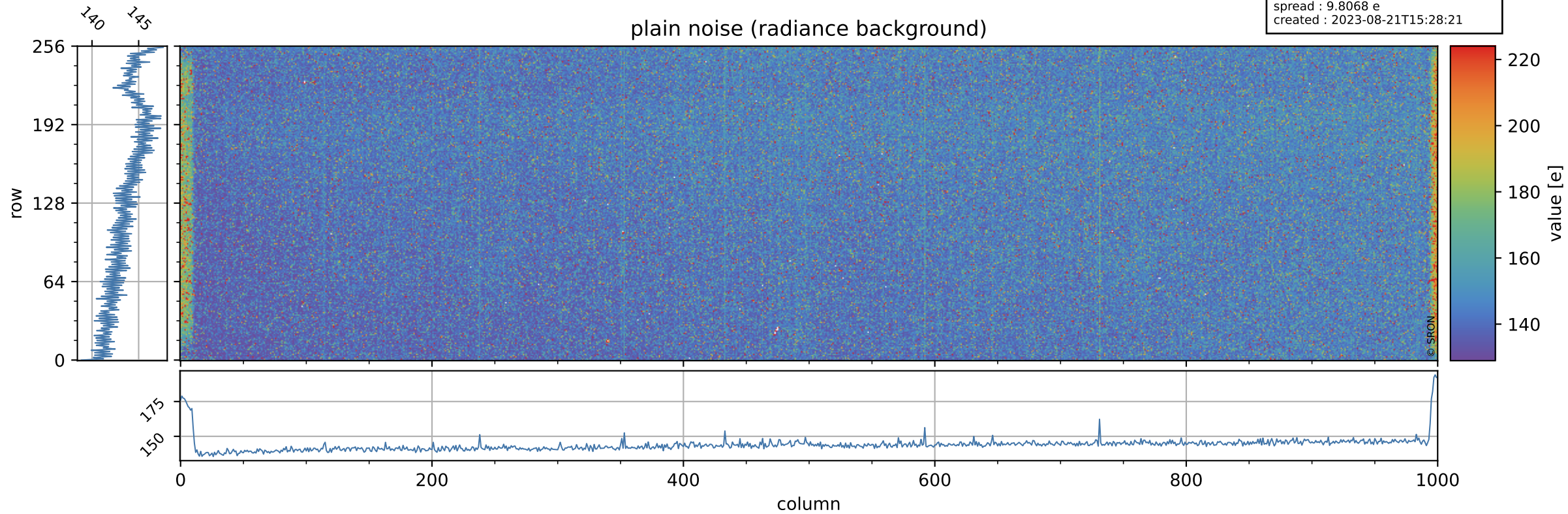
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.6 e  
spread : 9.8068 e  
created : 2023-08-21T15:28:21

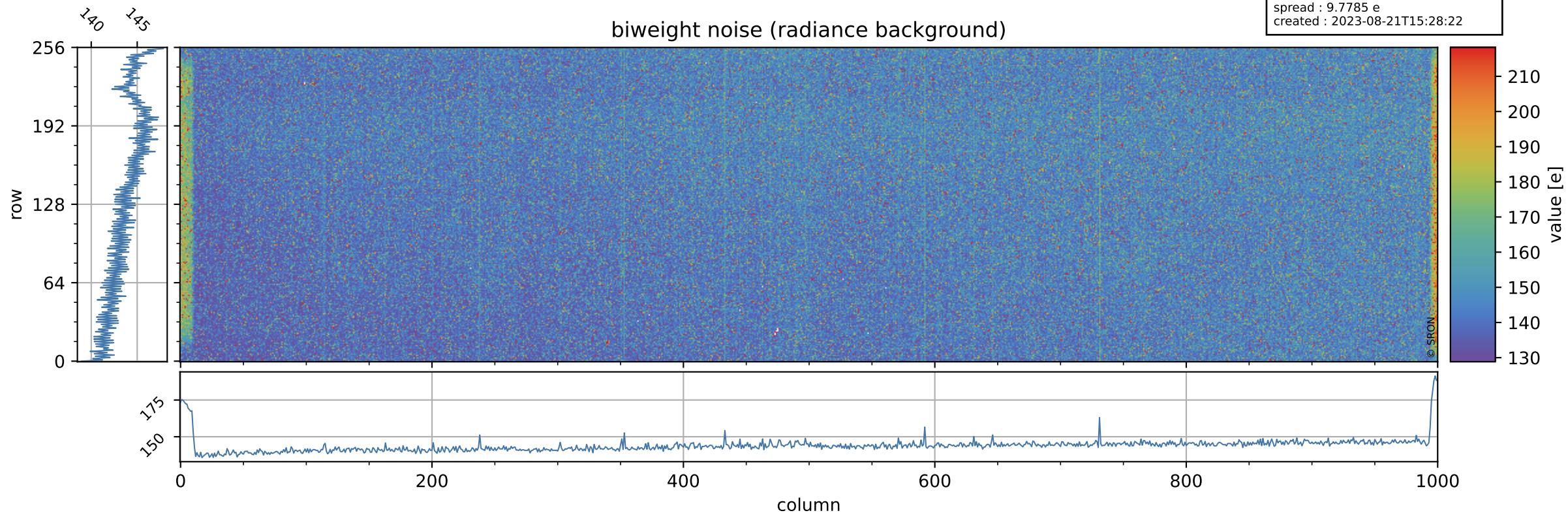
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.7785 e  
created : 2023-08-21T15:28:22

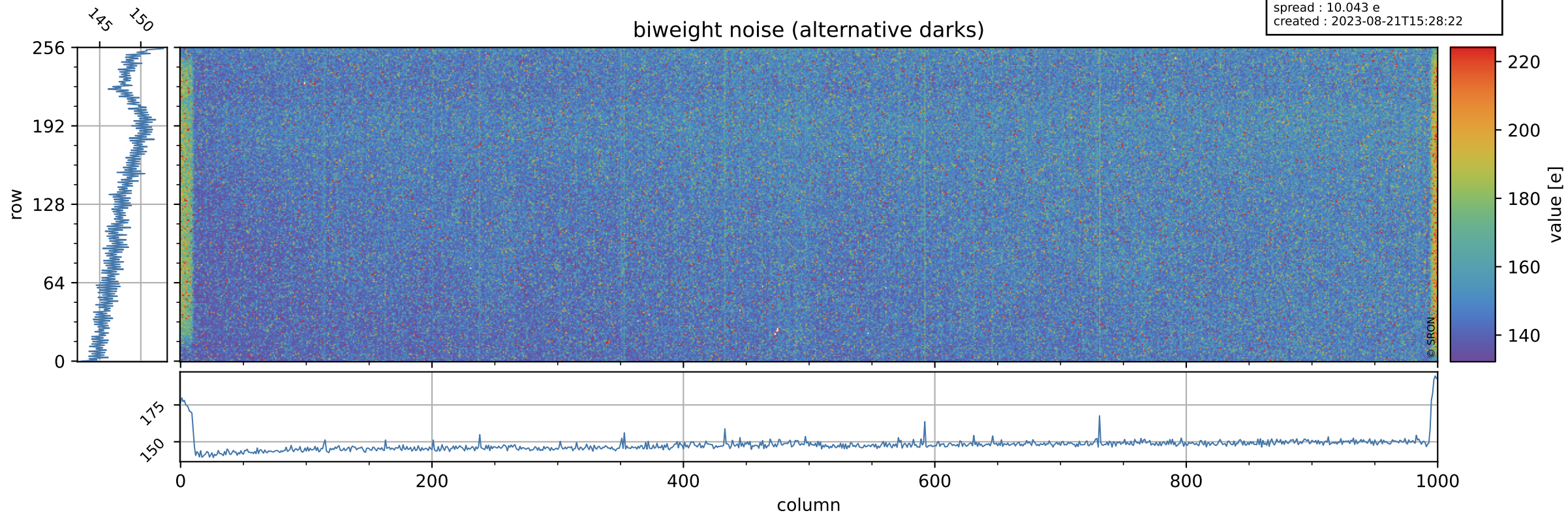
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.043 e  
created : 2023-08-21T15:28:22

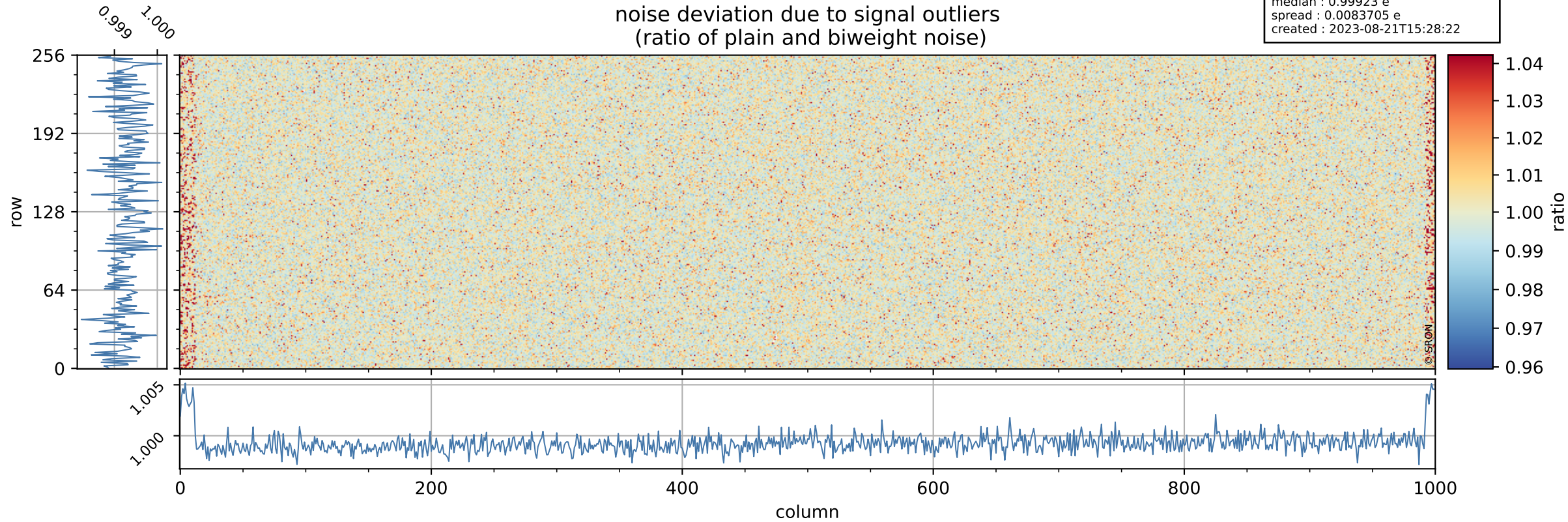
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

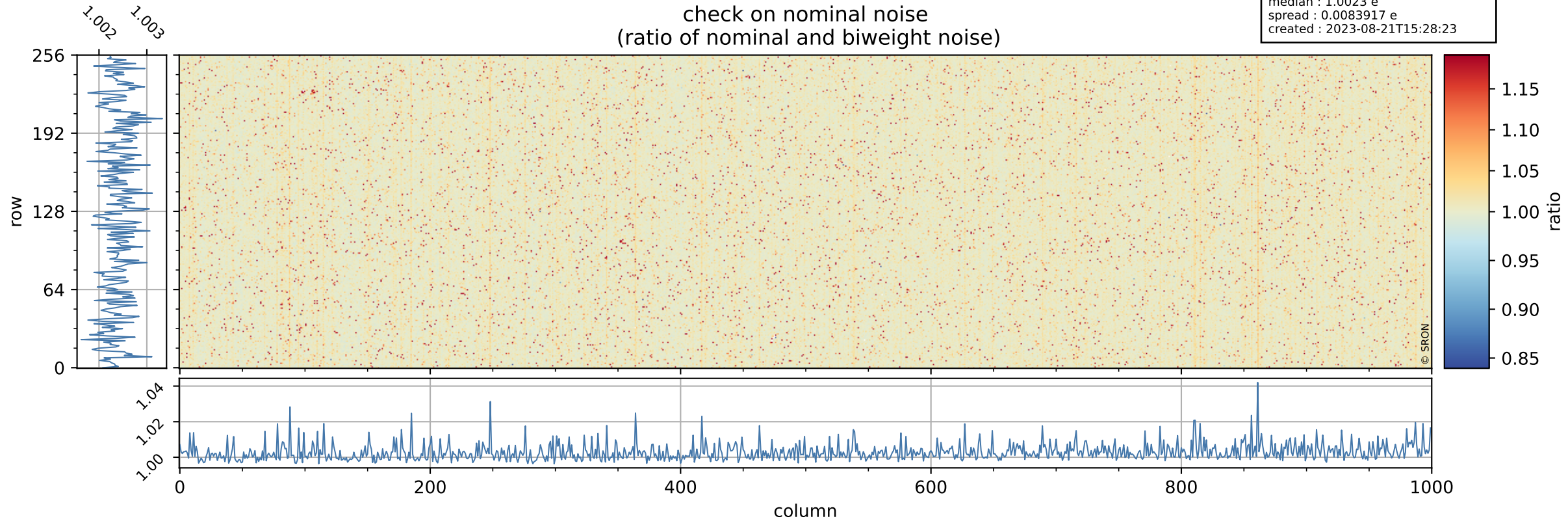
orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
median : 0.99923 e  
spread : 0.0083705 e  
created : 2023-08-21T15:28:22



# Tropomi SWIR background noise (swir)

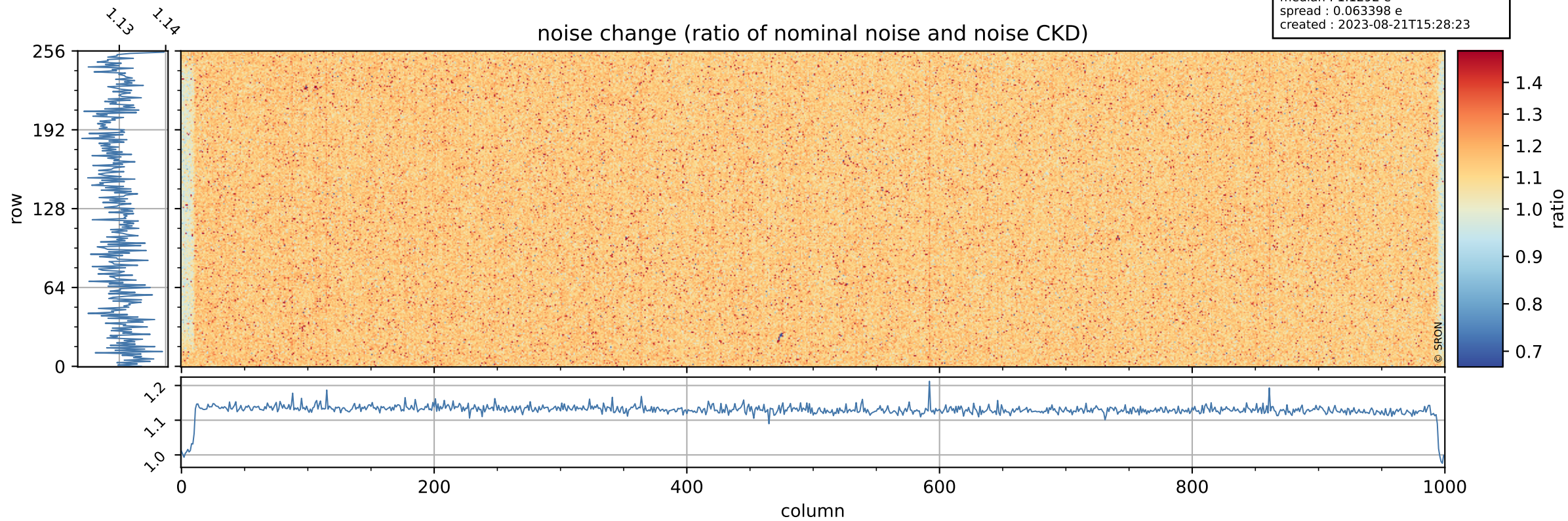
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
median : 1.0023 e  
spread : 0.0083917 e  
created : 2023-08-21T15:28:23



# Tropomi SWIR background noise (swir)

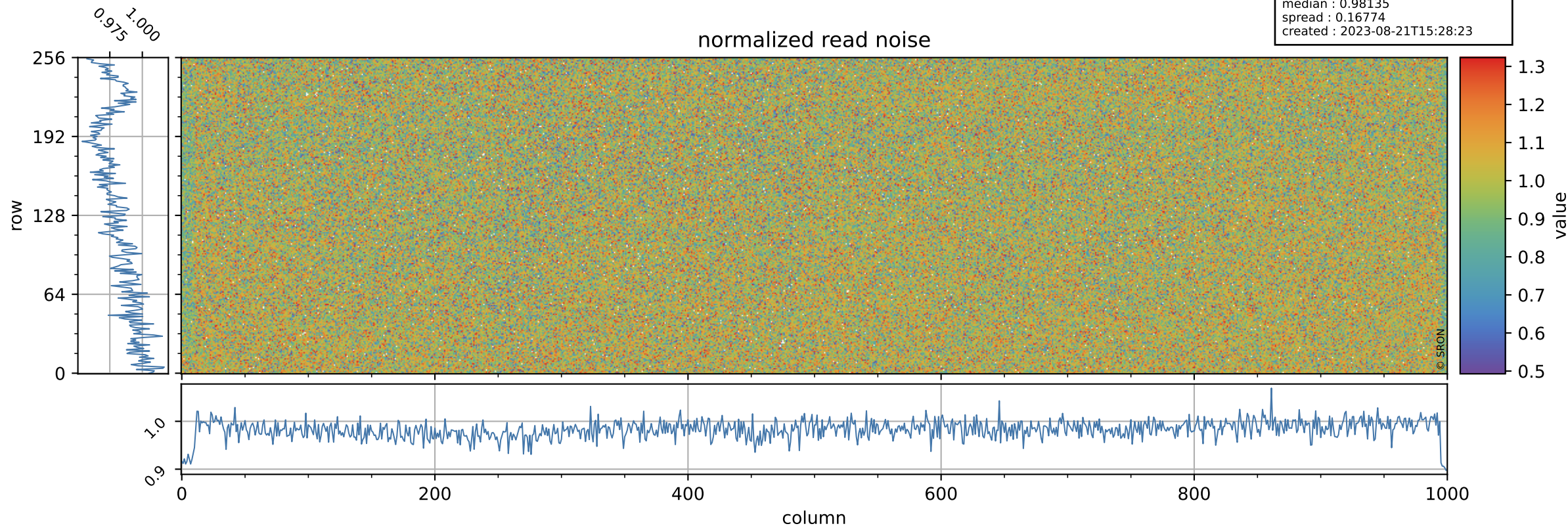
orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
median : 1.1292 e  
spread : 0.063398 e  
created : 2023-08-21T15:28:23



# Tropomi SWIR background noise (swir)

orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
median : 0.98135  
spread : 0.16774  
created : 2023-08-21T15:28:23

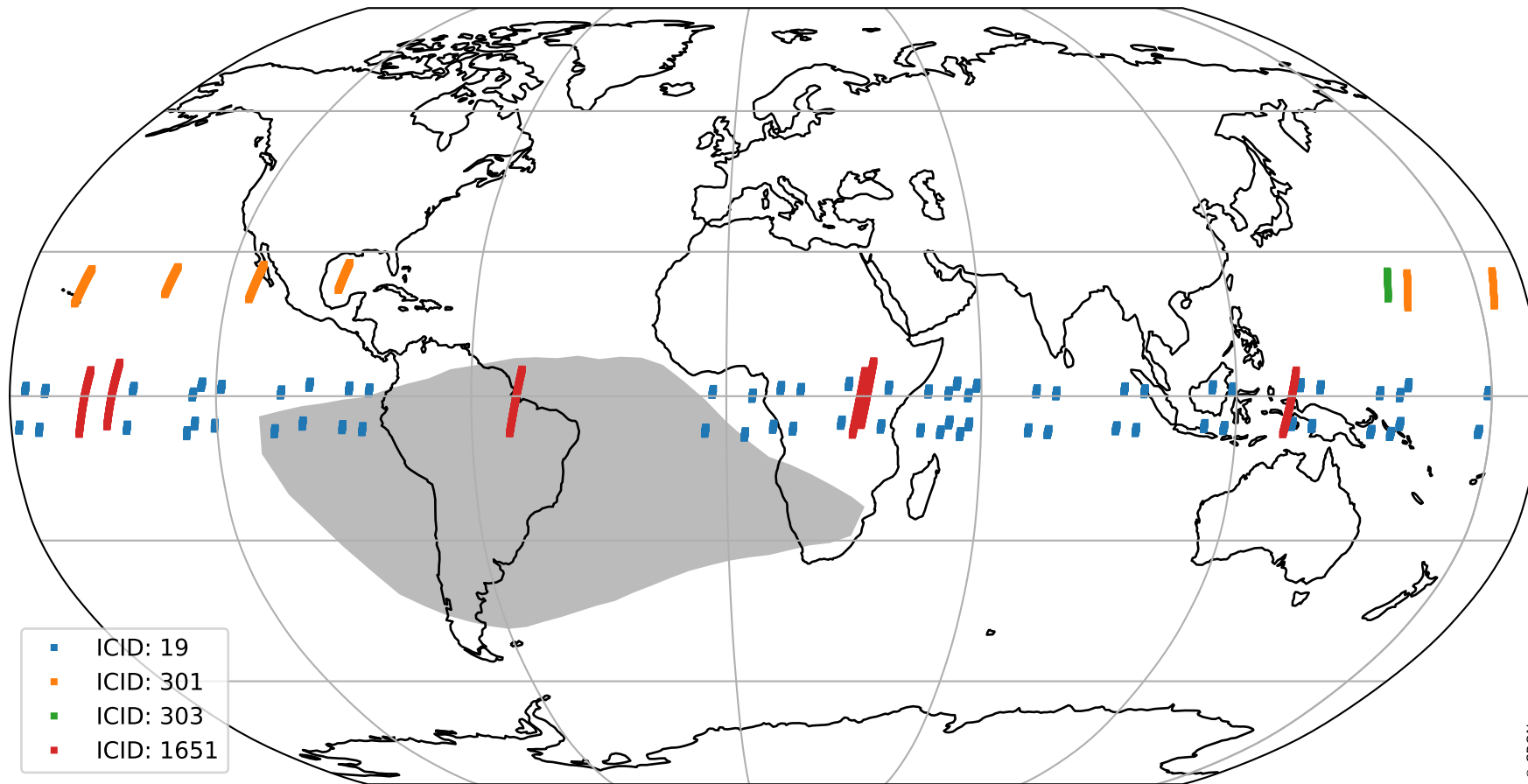
normalized read noise





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

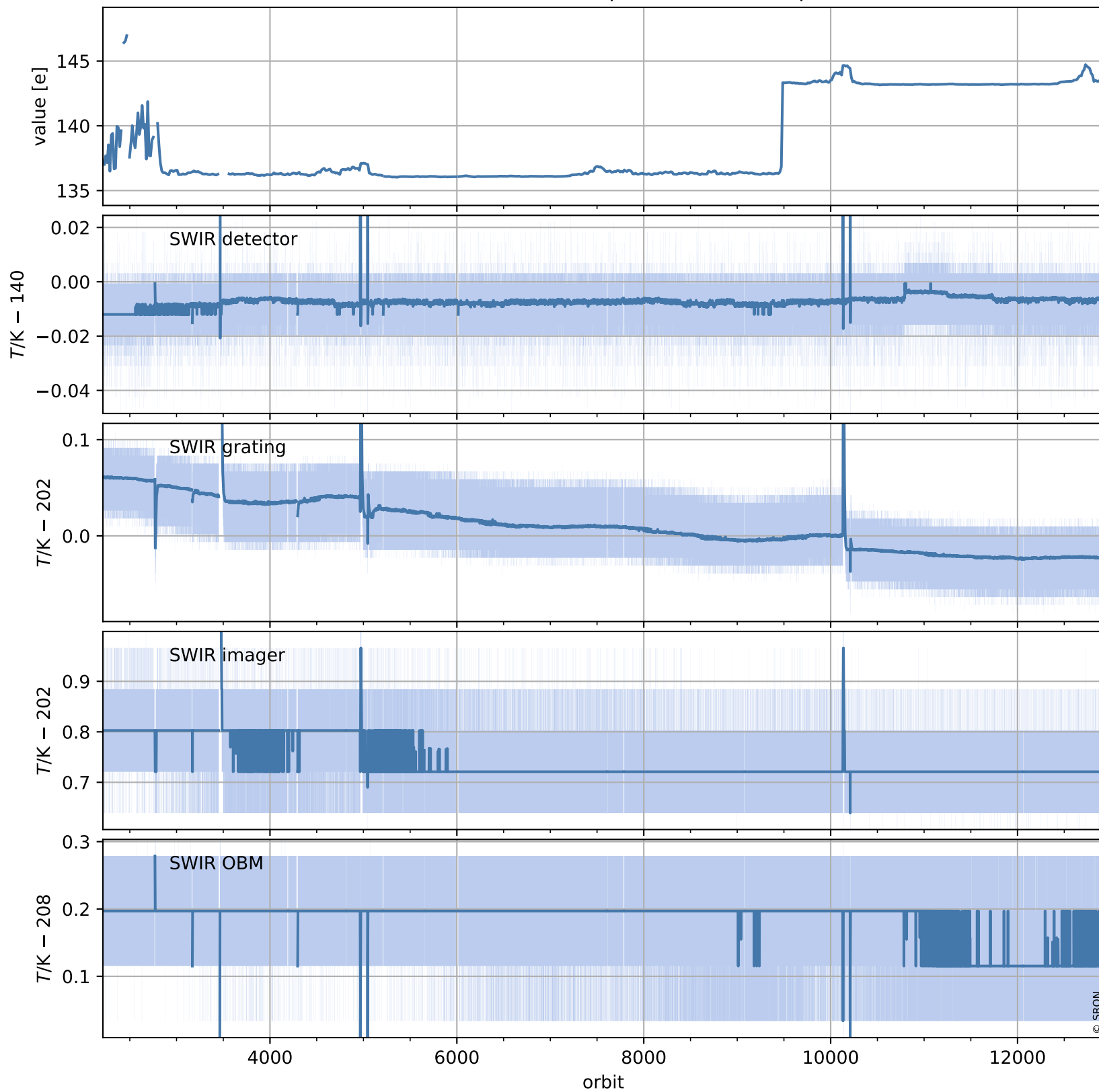
orbits : 13 in [12832, 12922]  
coverage : 2020-04-05 / 2020-04-10  
created : 2023-08-21T15:28:23



# Tropomi SWIR background noise (swir)

orbits : [2212, 12922]  
coverage : 2018-03-18 / 2020-04-10  
created : 2023-08-21T15:28:24

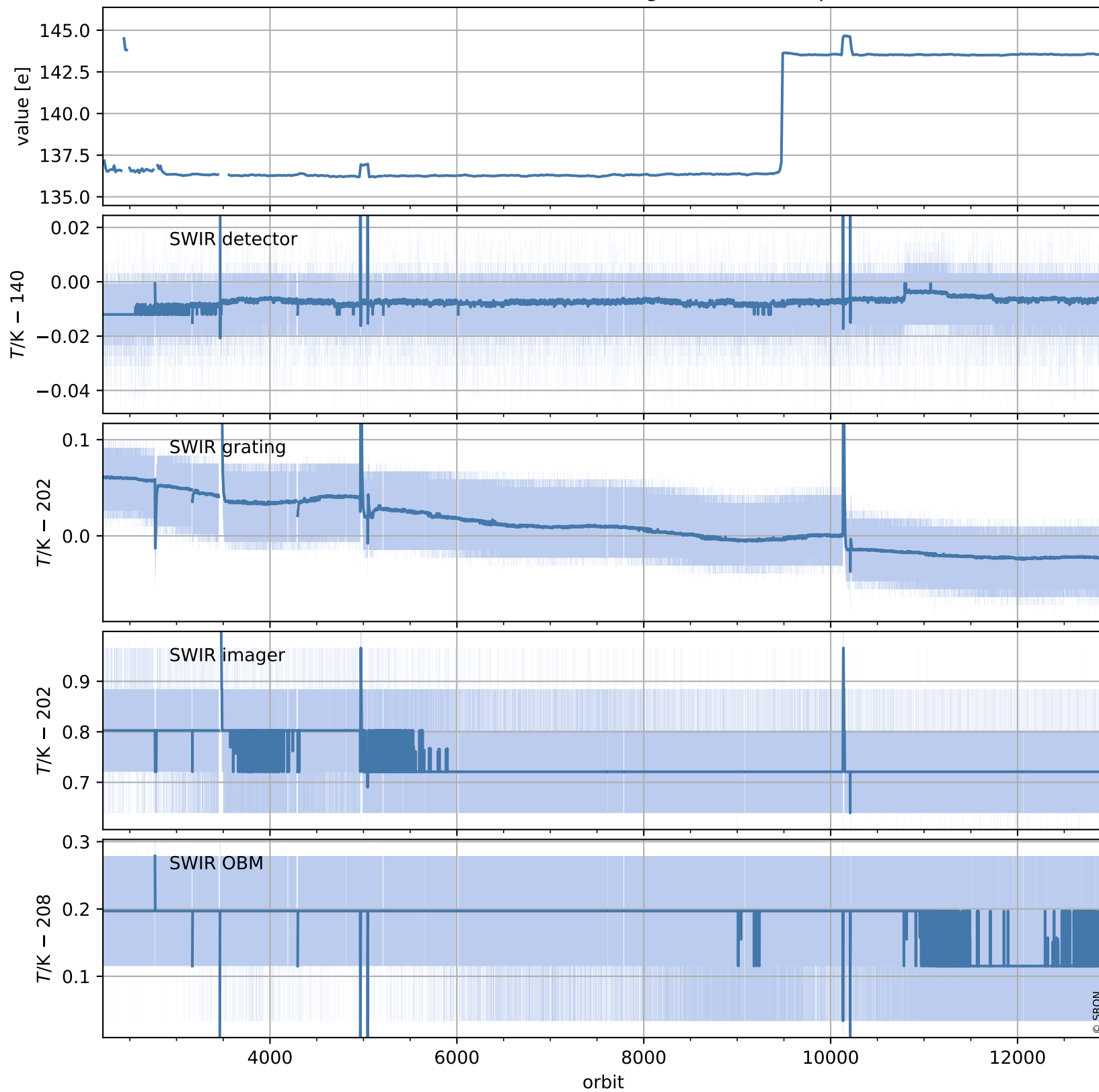
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12922]  
coverage : 2018-03-18 / 2020-04-10  
created : 2023-08-21T15:28:24

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12922]  
coverage : 2018-03-18 / 2020-04-10  
created : 2023-08-21T15:28:25

## trend of normalized read-noise & temperatures

