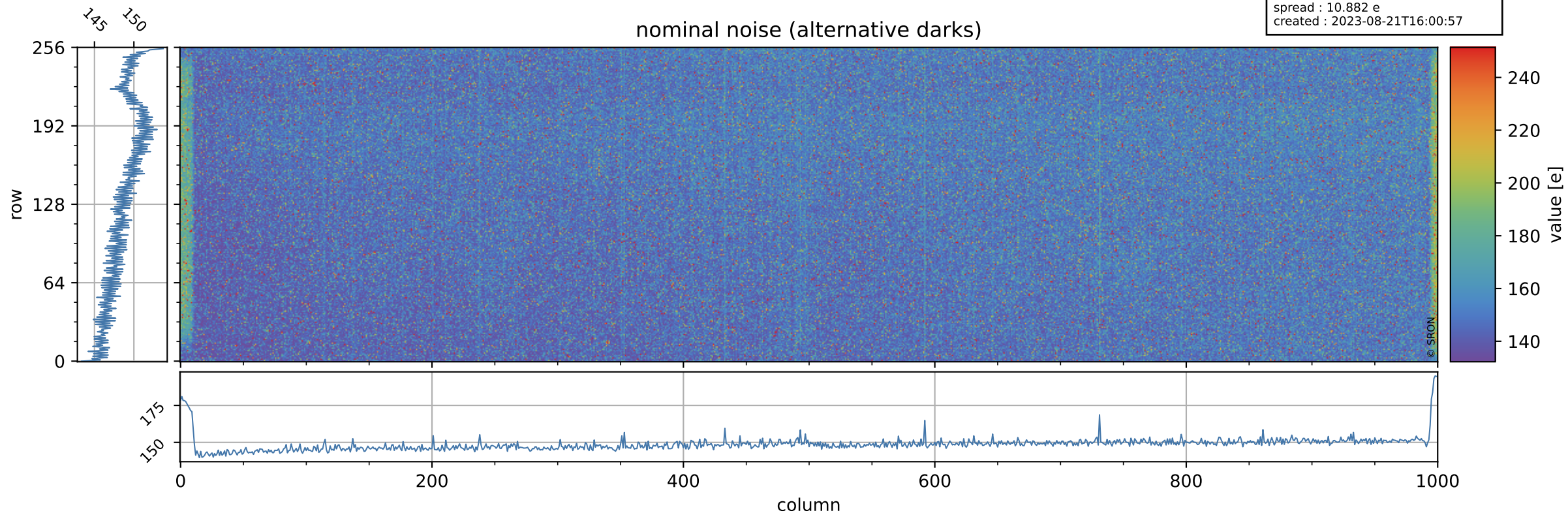


# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.59 e  
spread : 10.882 e  
created : 2023-08-21T16:00:57

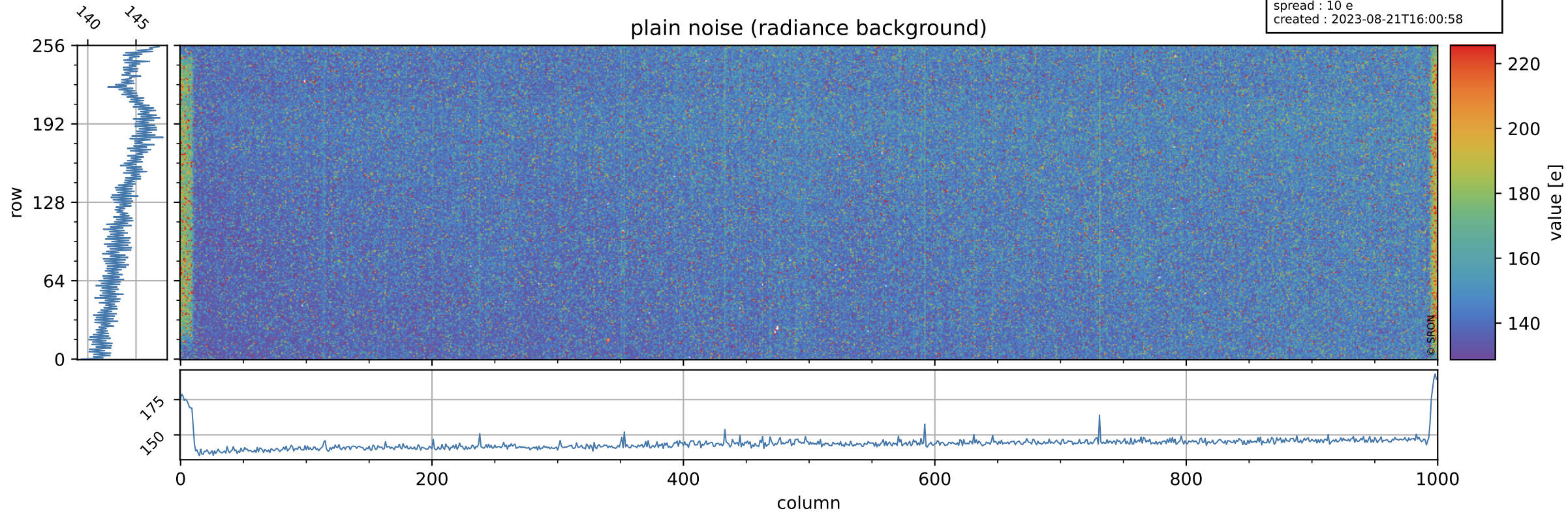
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 10 e  
created : 2023-08-21T16:00:58

## plain noise (radiance background)

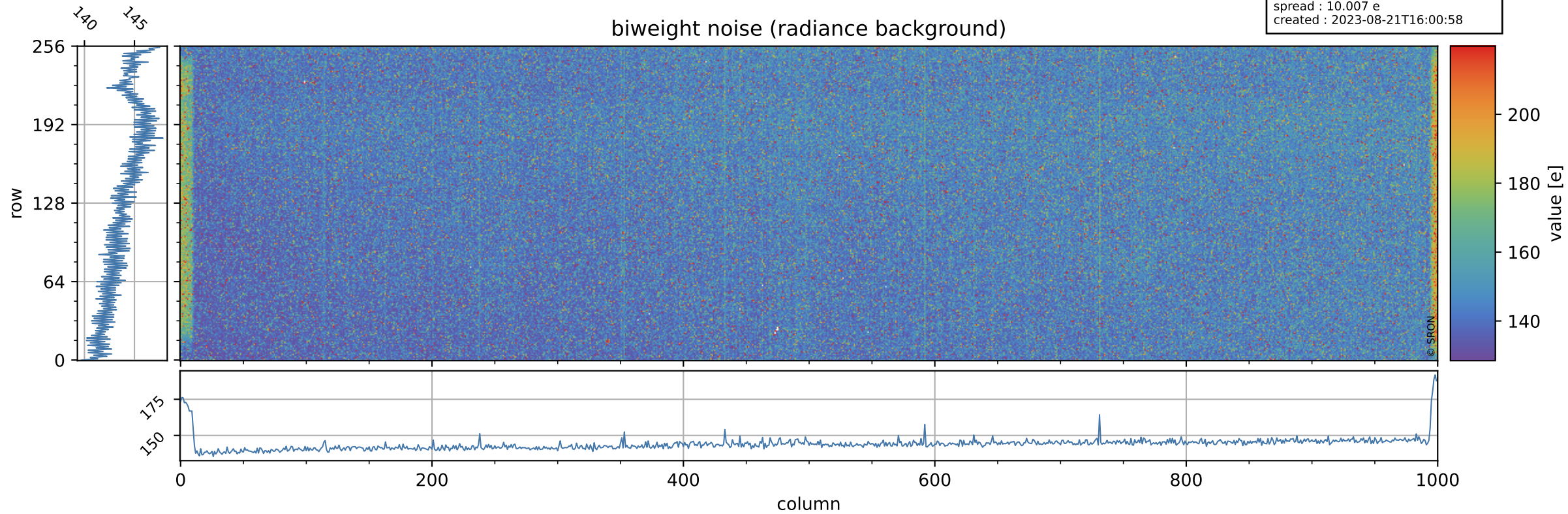




# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 10.007 e  
created : 2023-08-21T16:00:58

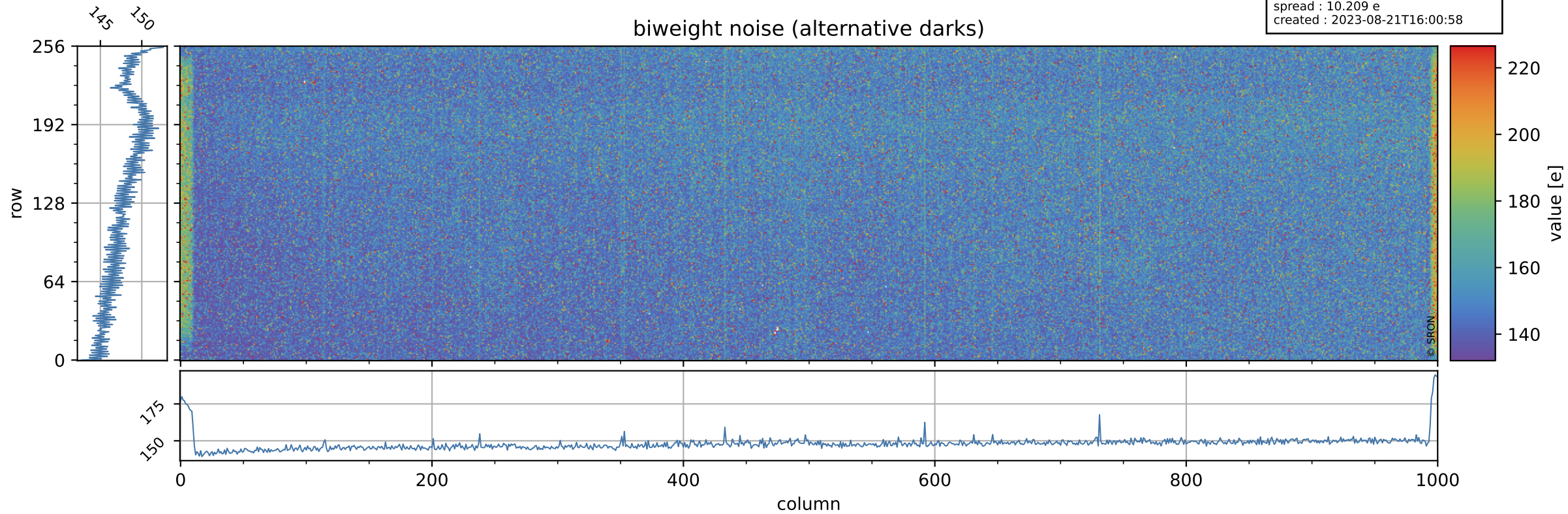
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.209 e  
created : 2023-08-21T16:00:58

## biweight noise (alternative darks)

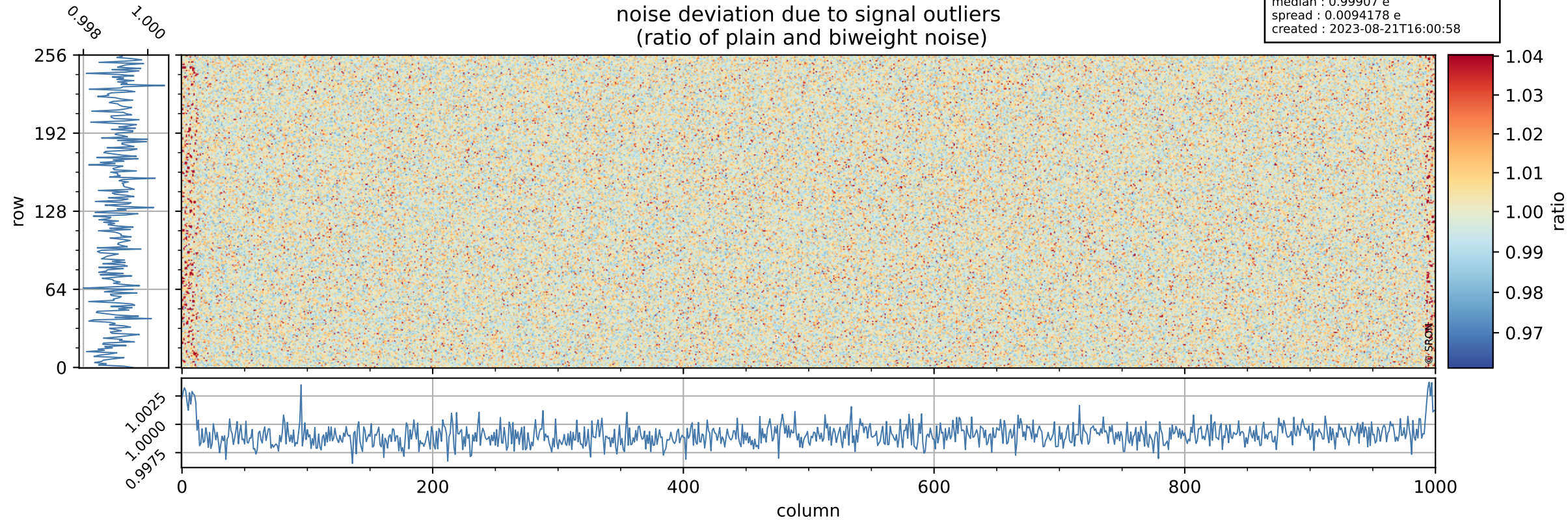




# Tropomi SWIR background noise (swir)

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

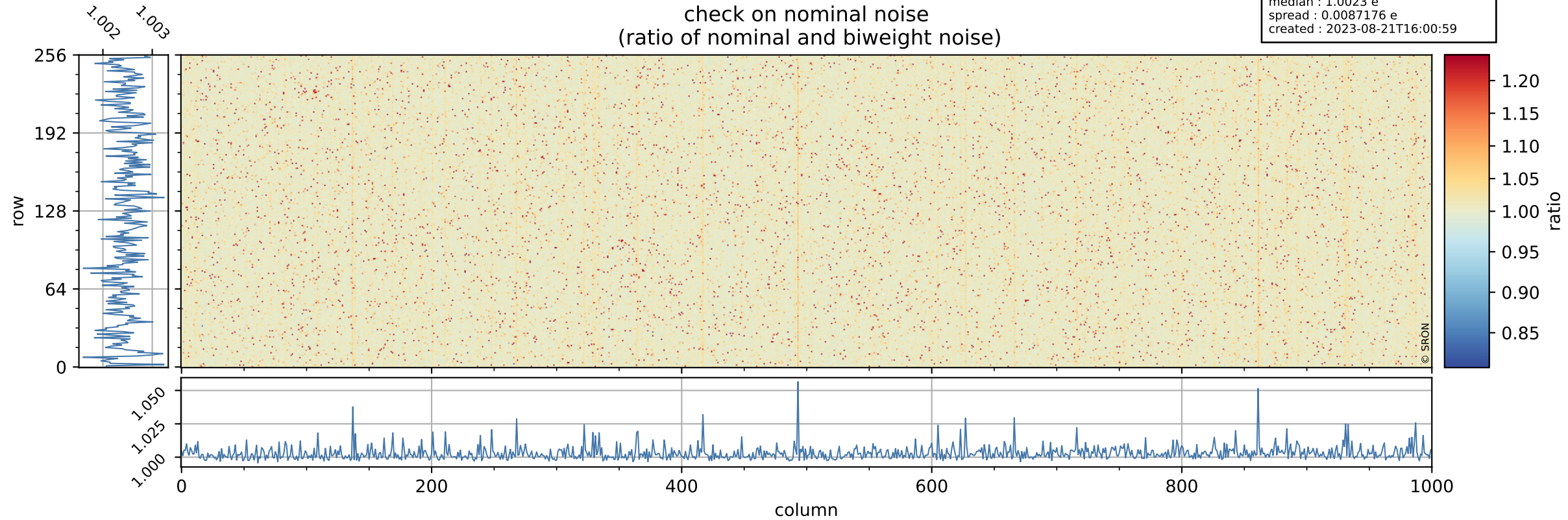
orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
median : 0.99907 e  
spread : 0.0094178 e  
created : 2023-08-21T16:00:58



# Tropomi SWIR background noise (swir)

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

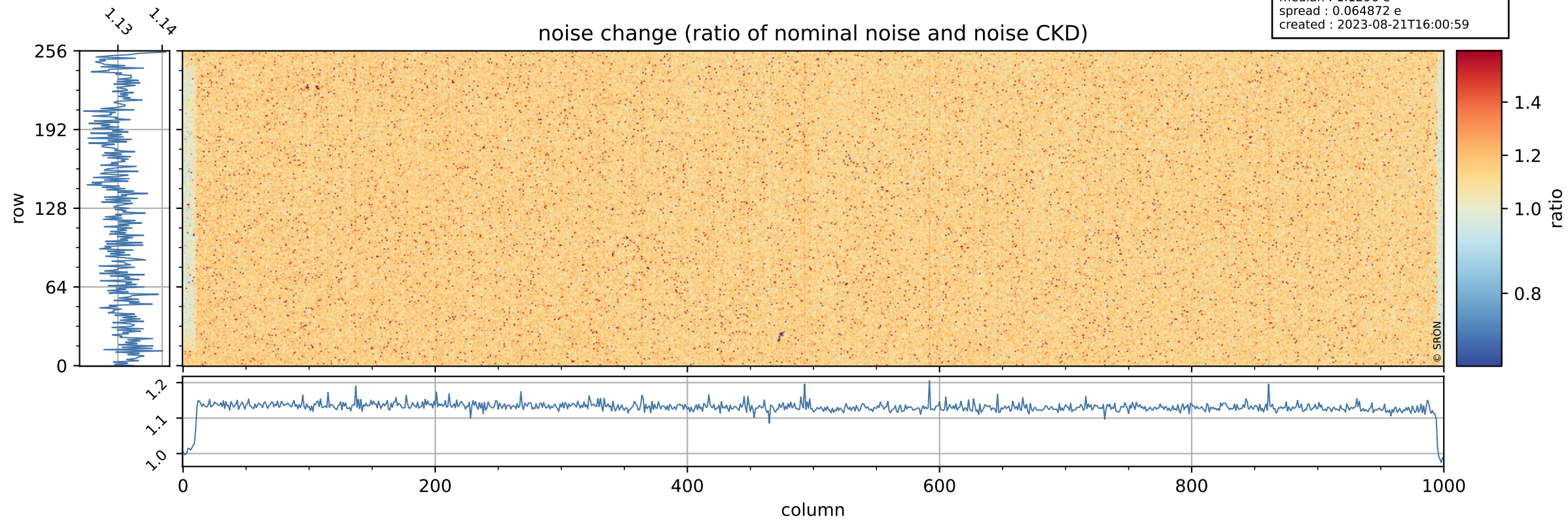
orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
median : 1.0023 e  
spread : 0.0087176 e  
created : 2023-08-21T16:00:59





# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
median : 1.1296 e  
spread : 0.064872 e  
created : 2023-08-21T16:00:59

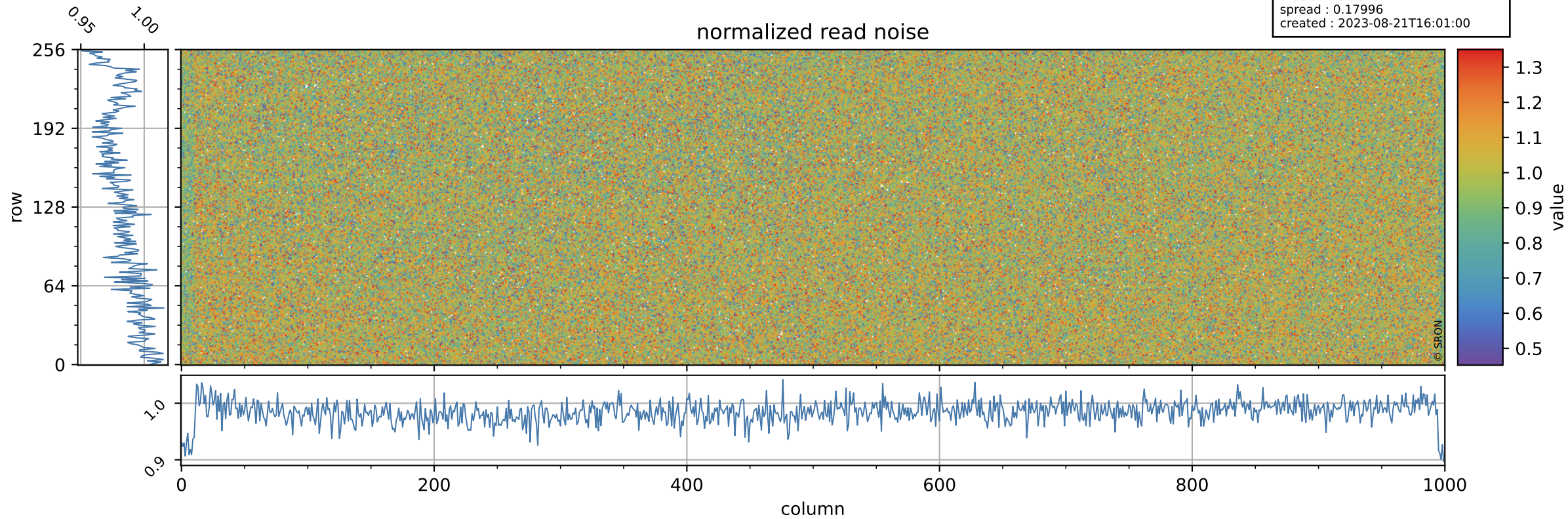




# Tropomi SWIR background noise (swir)

orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
median : 0.98282  
spread : 0.17996  
created : 2023-08-21T16:01:00

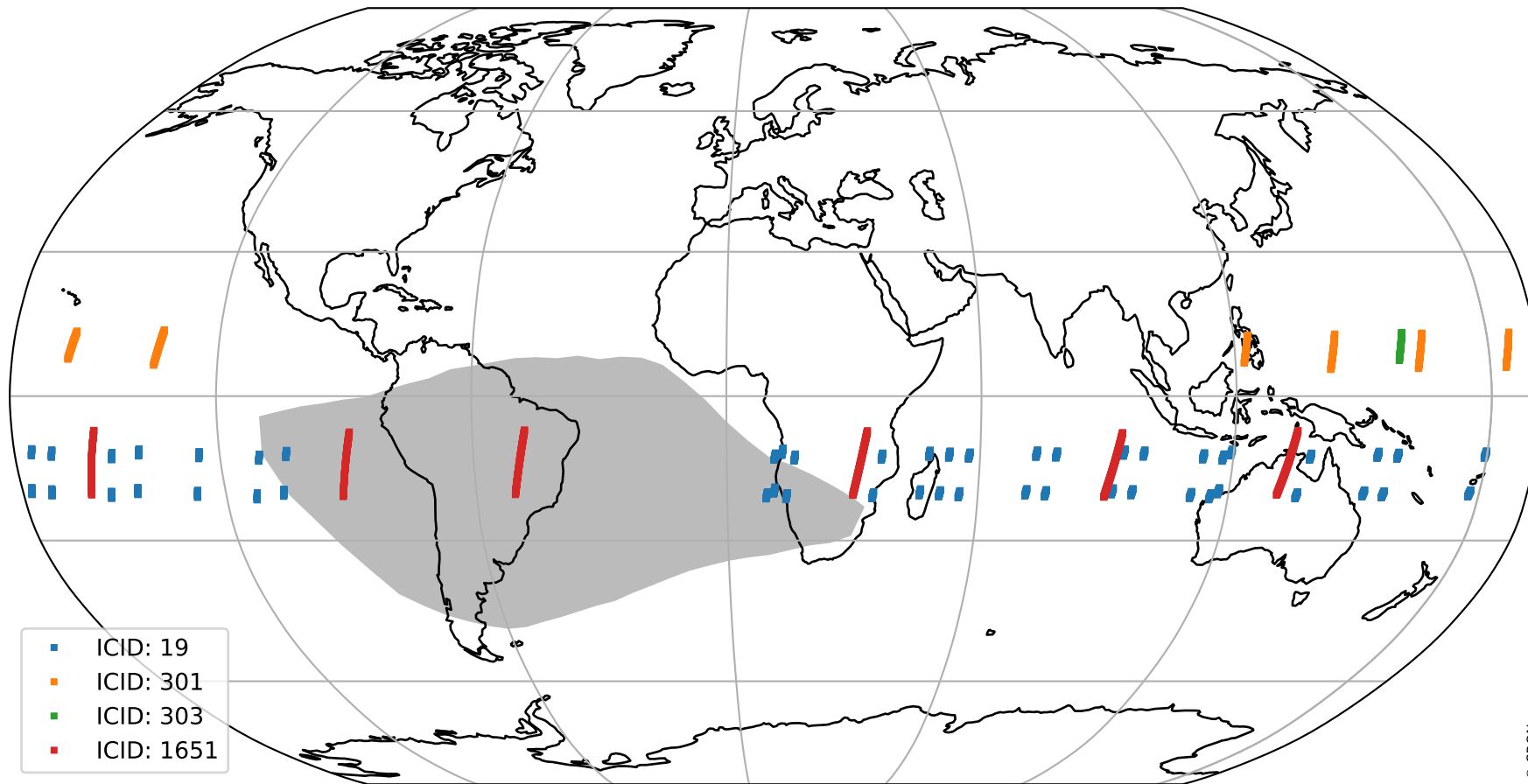
## normalized read noise





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

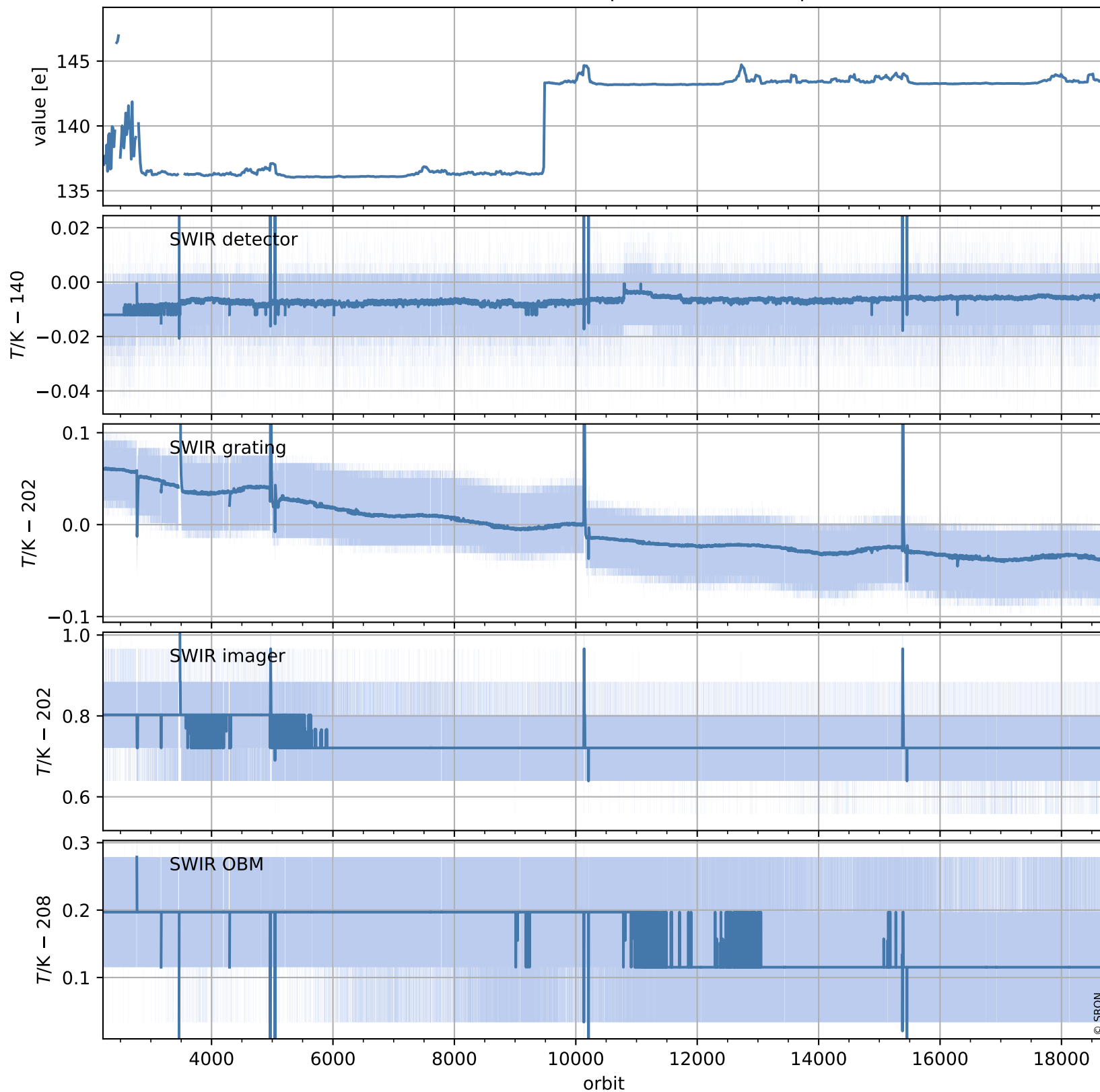
orbits : 13 in [18622, 18712]  
coverage : 2021-05-18 / 2021-05-23  
created : 2023-08-21T16:01:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 18712]  
coverage : 2018-03-18 / 2021-05-23  
created : 2023-08-21T16:01:00

## trend of detector median of plain noise & temperatures

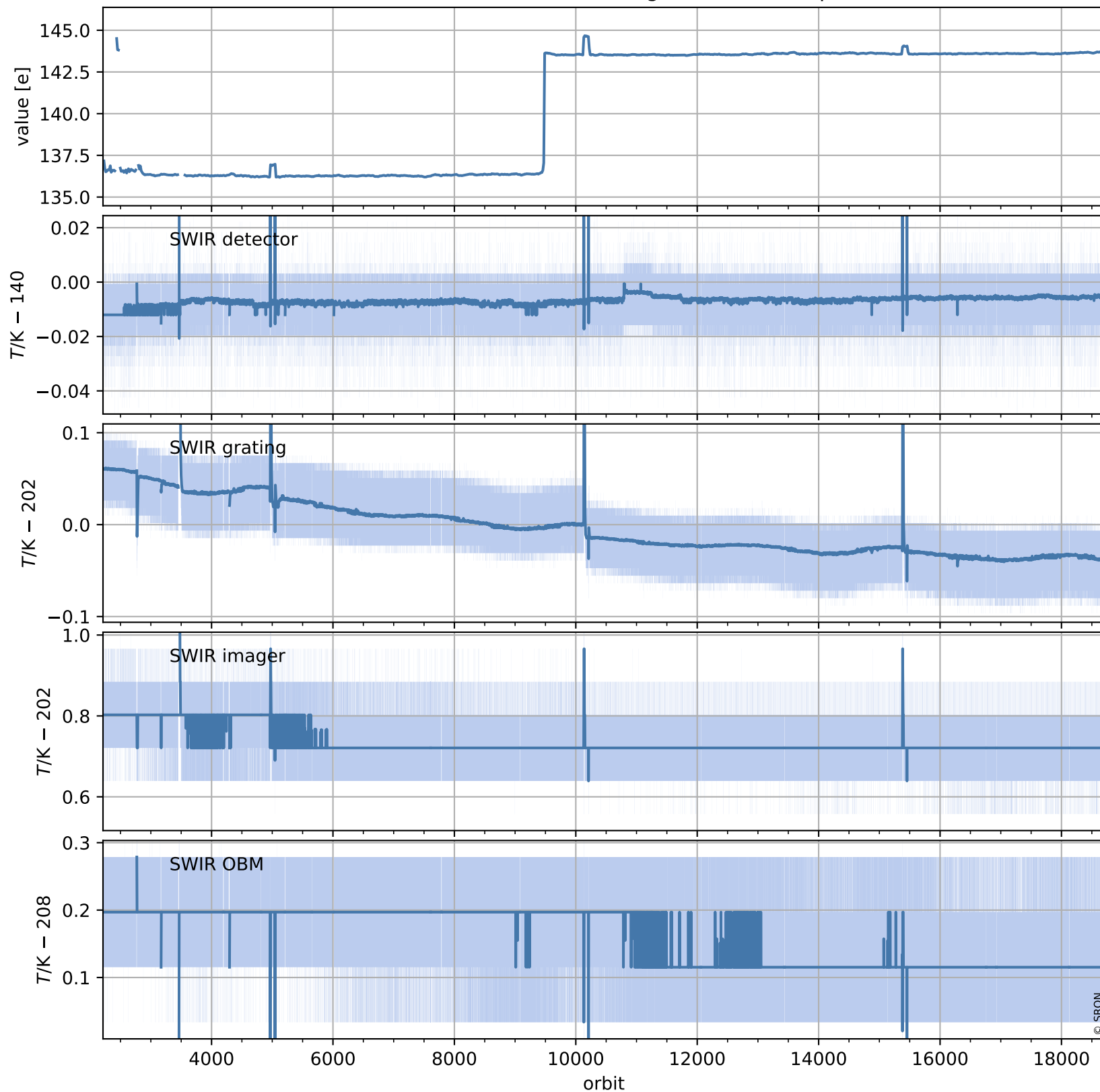




# Tropomi SWIR background noise (swir)

orbits : [2212, 18712]  
coverage : 2018-03-18 / 2021-05-23  
created : 2023-08-21T16:01:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18712]  
coverage : 2018-03-18 / 2021-05-23  
created : 2023-08-21T16:01:02

## trend of normalized read-noise & temperatures

