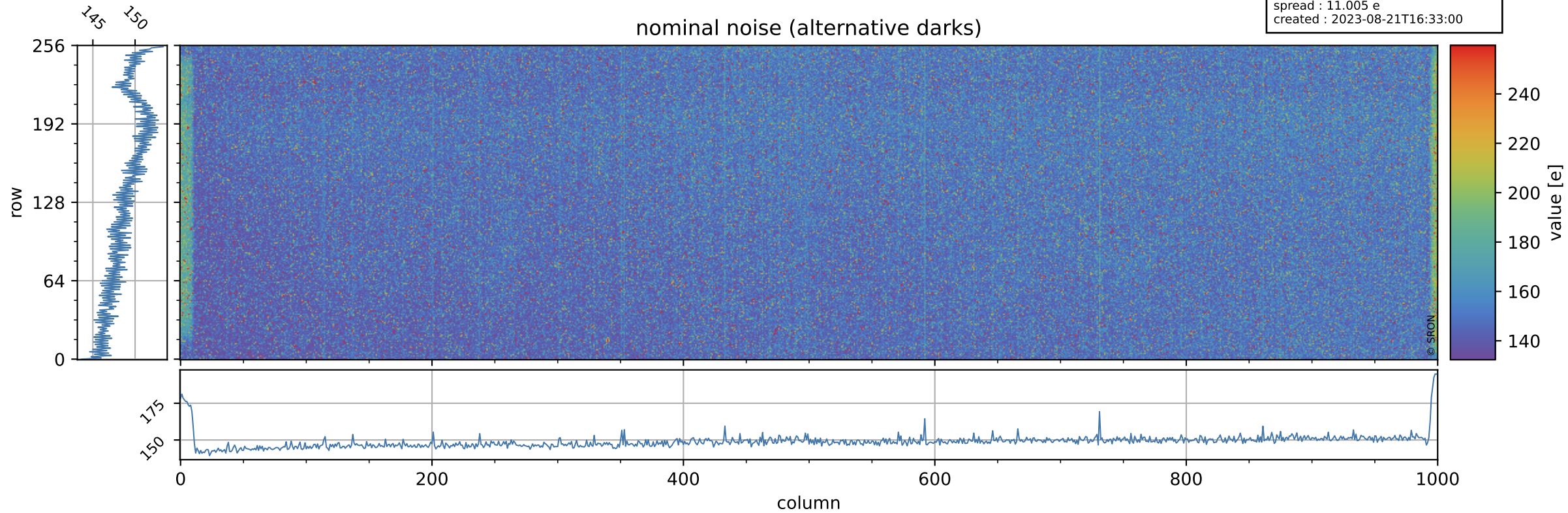


# Tropomi SWIR background noise (swir)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.76 e  
spread : 11.005 e  
created : 2023-08-21T16:33:00

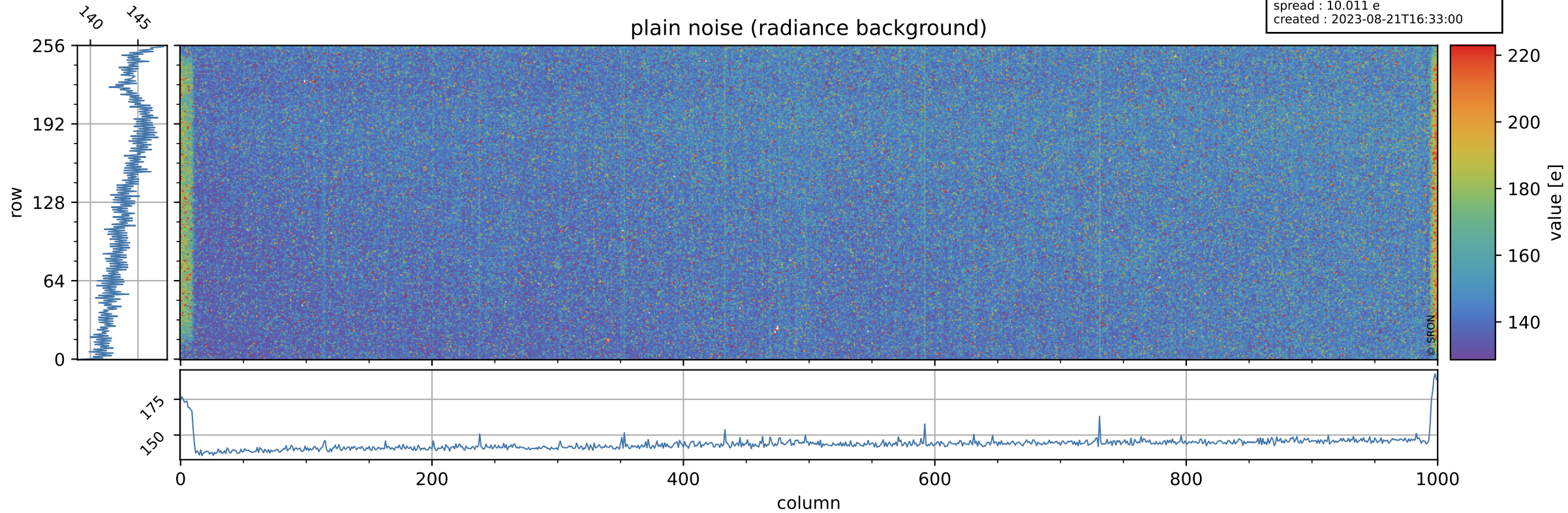
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.58 e  
spread : 10.011 e  
created : 2023-08-21T16:33:00

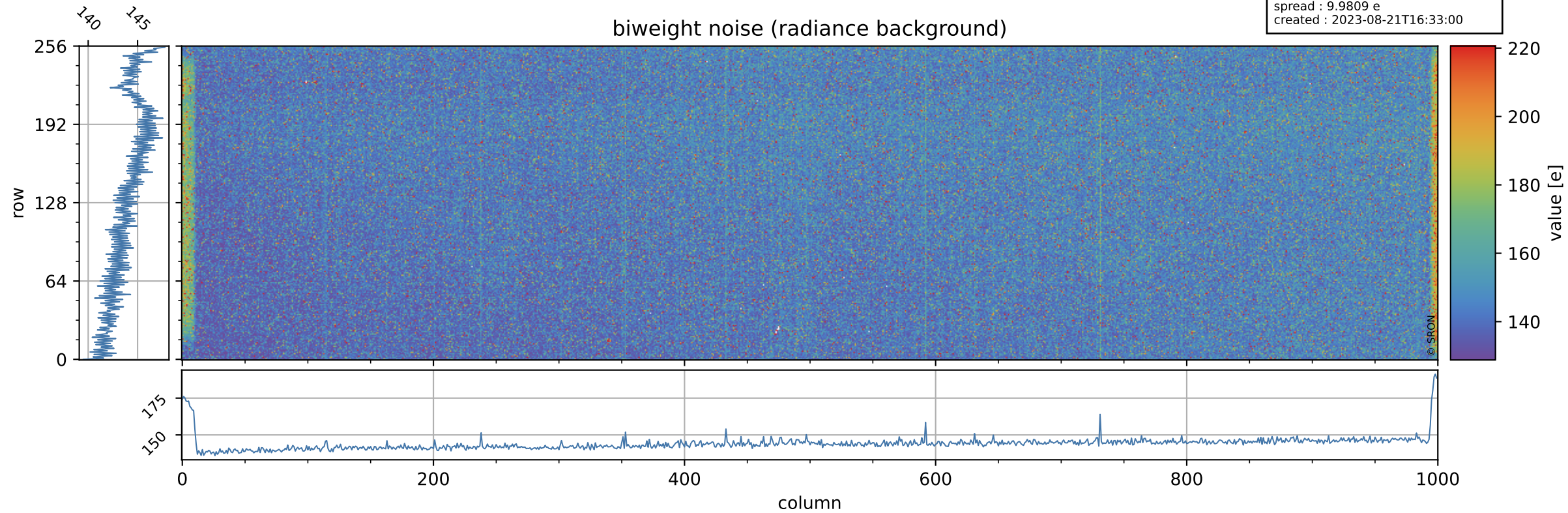
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.9809 e  
created : 2023-08-21T16:33:00

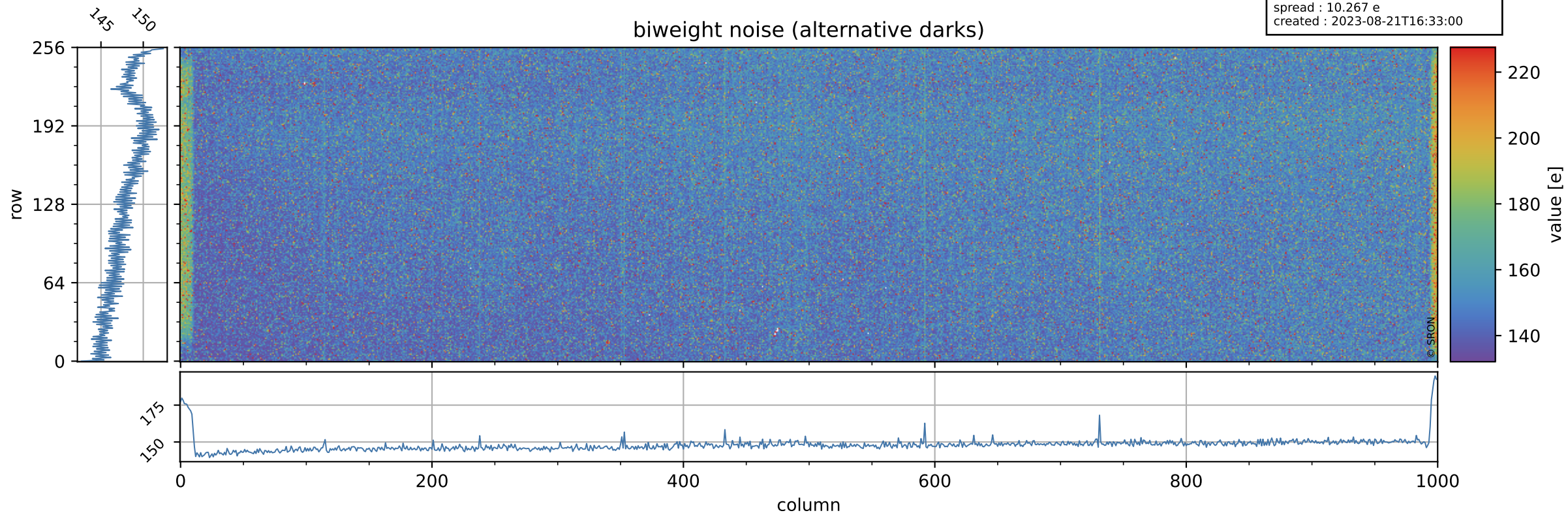
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.267 e  
created : 2023-08-21T16:33:00

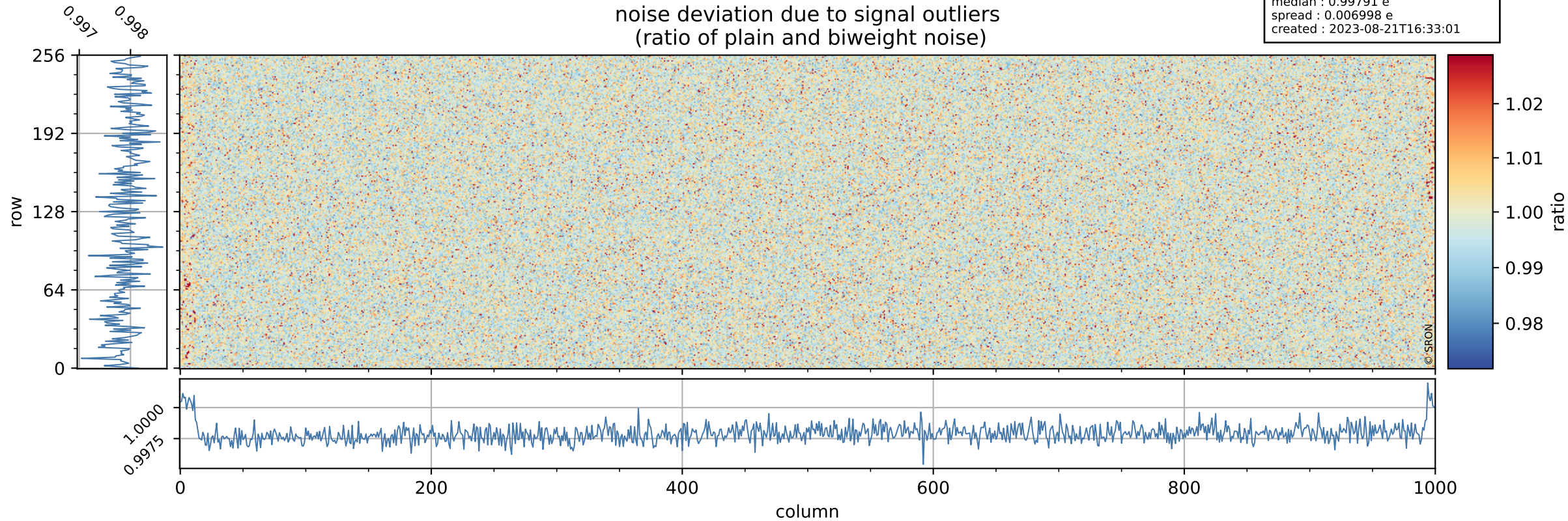
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

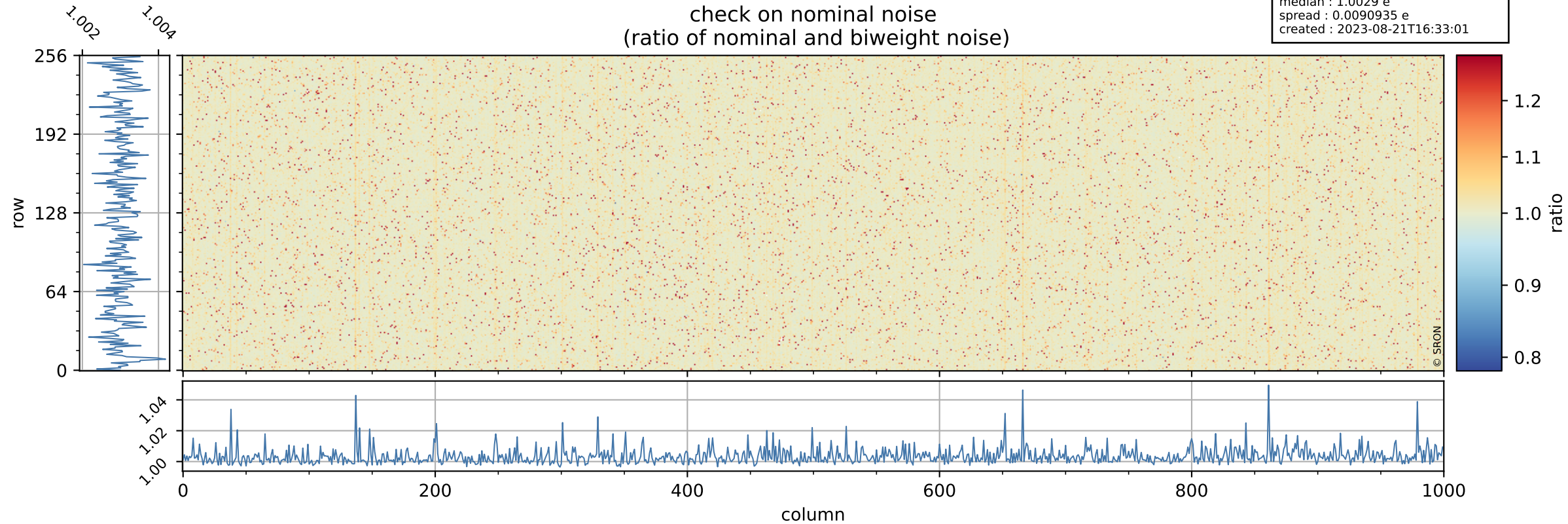
orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
median : 0.99791 e  
spread : 0.006998 e  
created : 2023-08-21T16:33:01



# Tropomi SWIR background noise (swir)

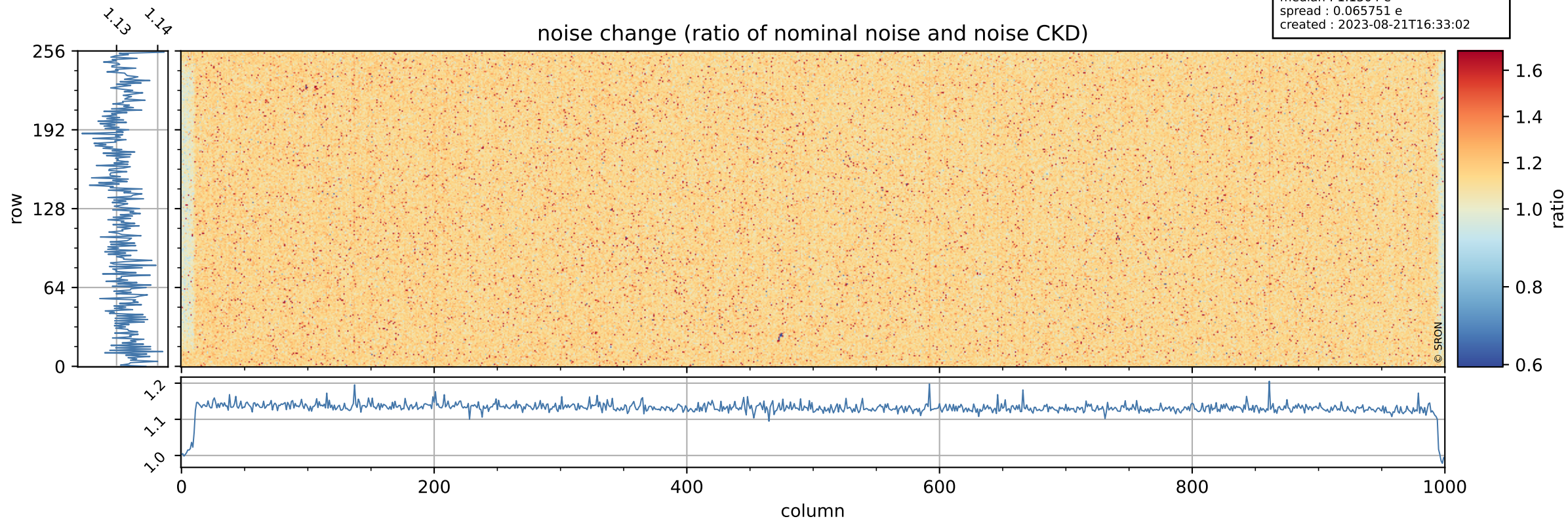
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
median : 1.0029 e  
spread : 0.0090935 e  
created : 2023-08-21T16:33:01



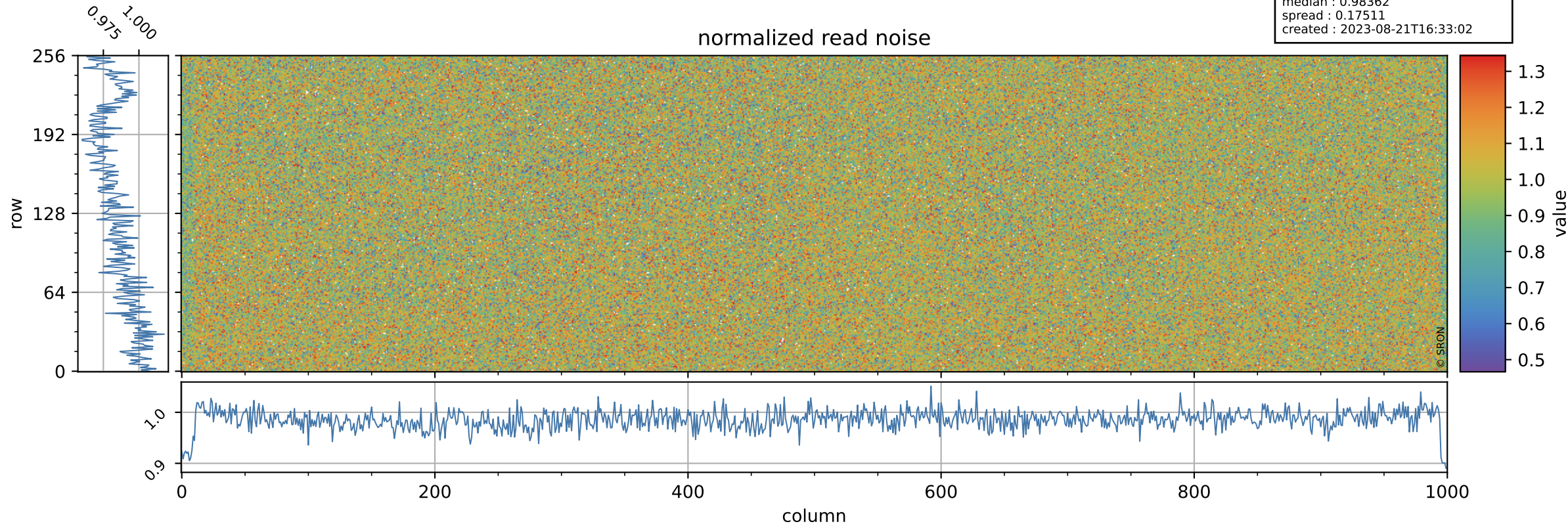
# Tropomi SWIR background noise (swir)

orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
median : 1.1304 e  
spread : 0.065751 e  
created : 2023-08-21T16:33:02



# Tropomi SWIR background noise (swir)

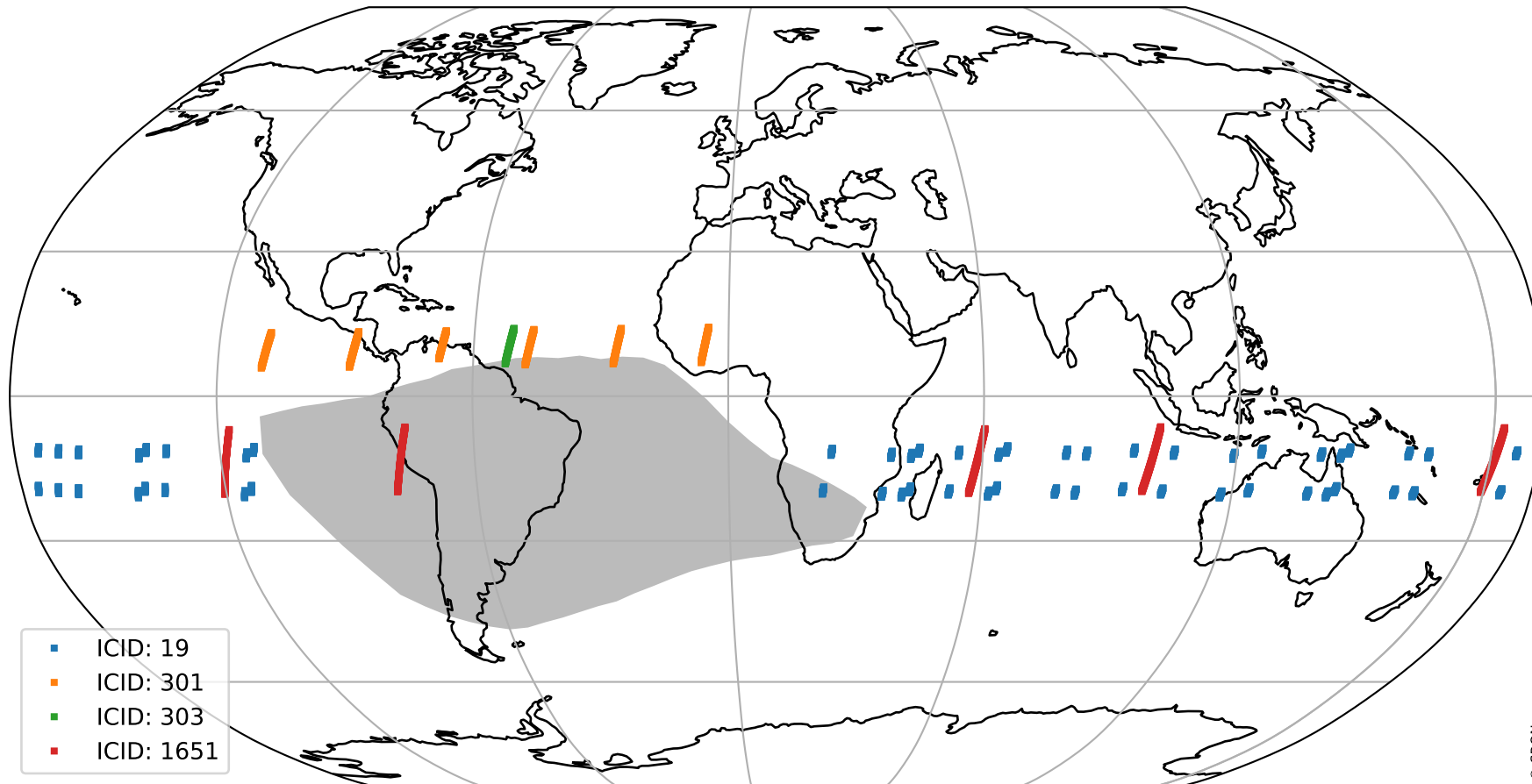
orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
median : 0.98362  
spread : 0.17511  
created : 2023-08-21T16:33:02





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

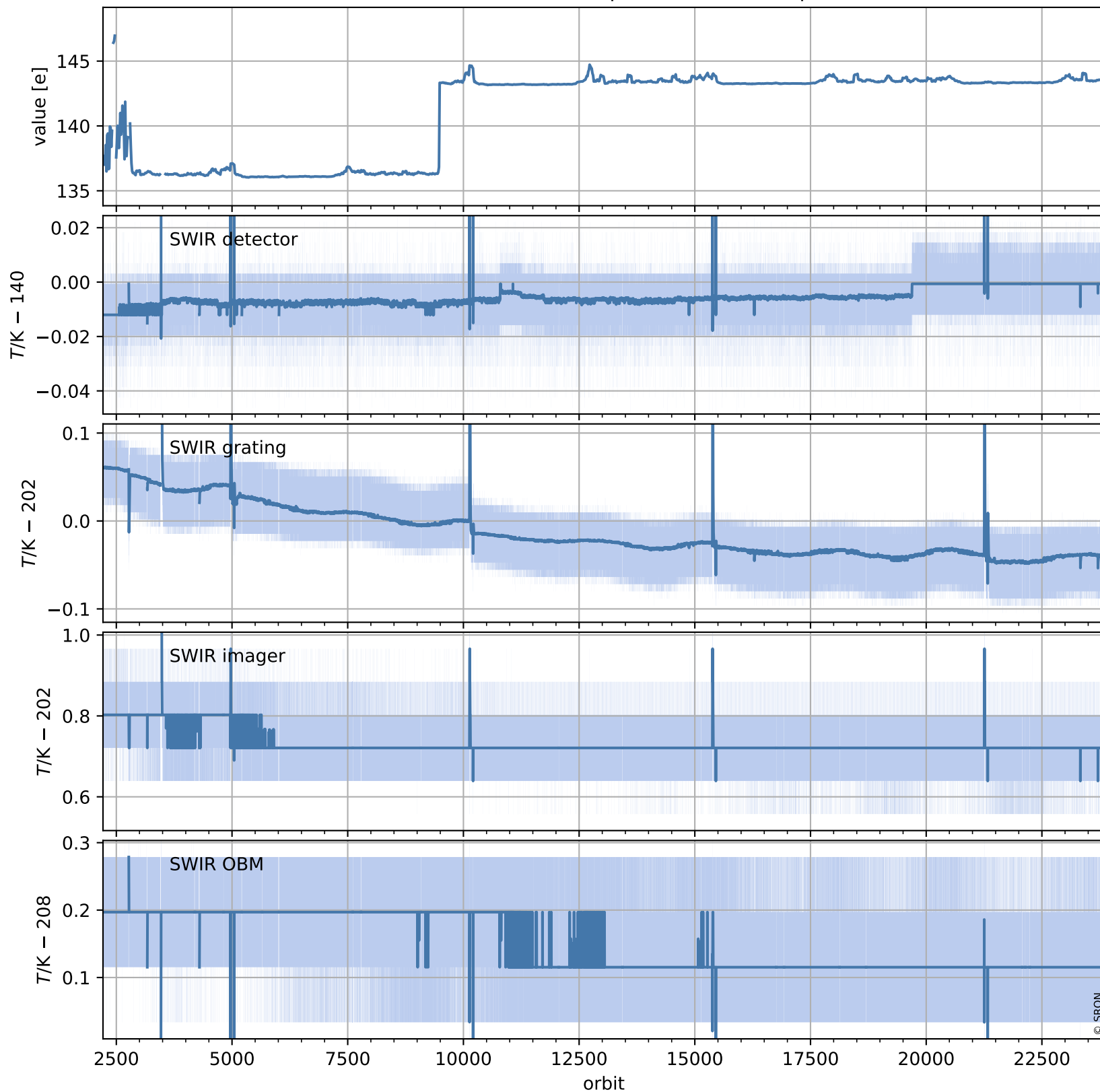
orbits : 12 in [23782, 23857]  
coverage : 2022-05-16 / 2022-05-21  
created : 2023-08-21T16:33:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 23857]  
coverage : 2018-03-18 / 2022-05-21  
created : 2023-08-21T16:33:03

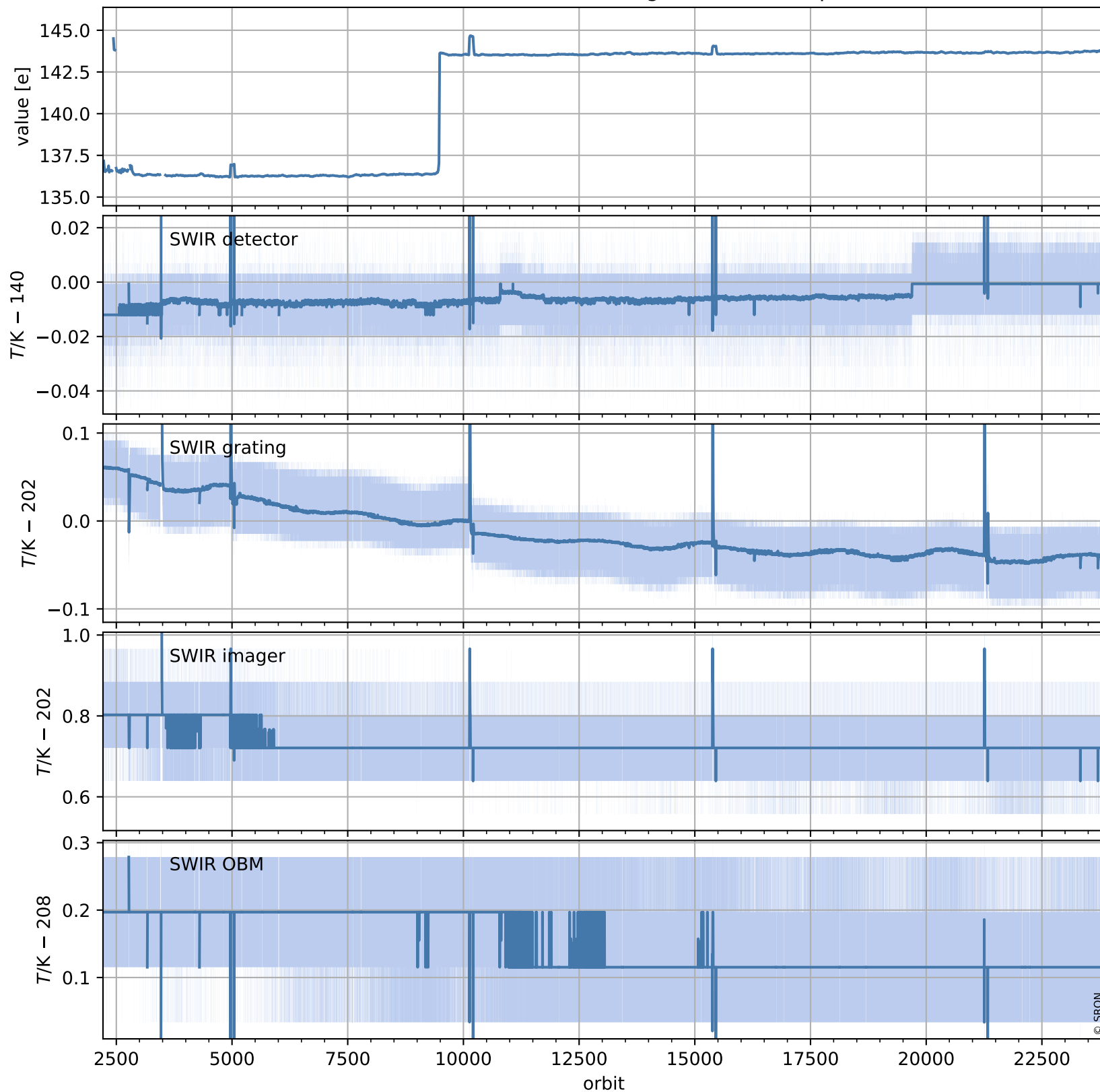
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23857]  
coverage : 2018-03-18 / 2022-05-21  
created : 2023-08-21T16:33:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23857]  
coverage : 2018-03-18 / 2022-05-21  
created : 2023-08-21T16:33:04

## trend of normalized read-noise & temperatures

