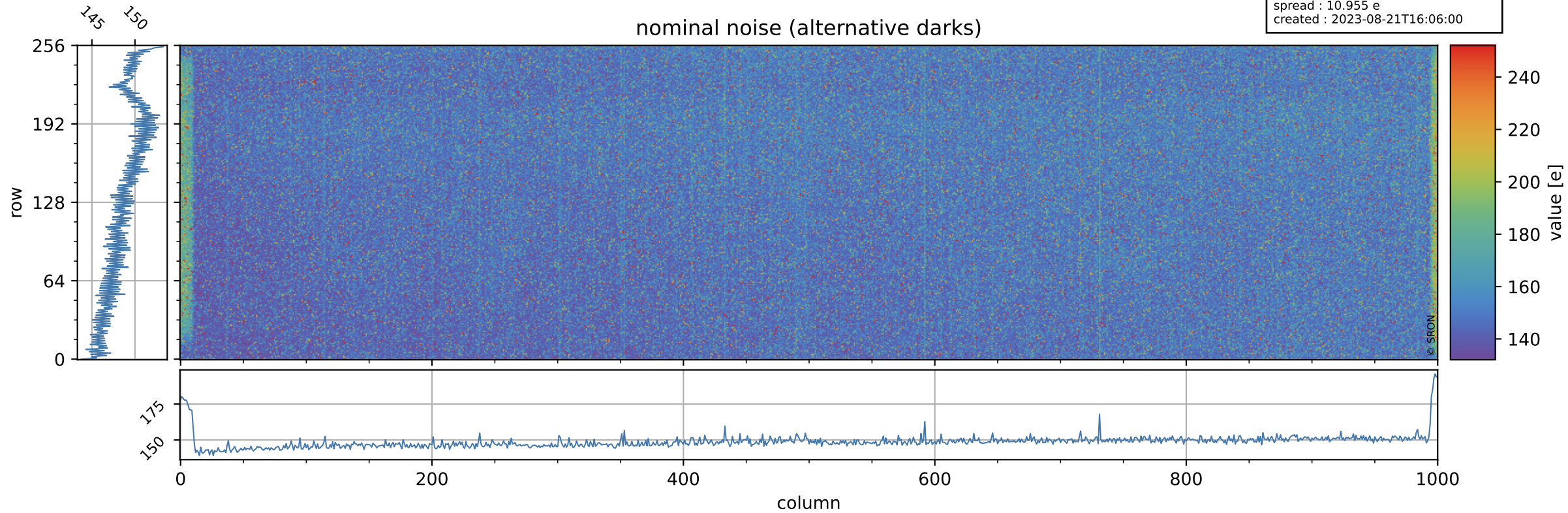


# Tropomi SWIR background noise (swir)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.62 e  
spread : 10.955 e  
created : 2023-08-21T16:06:00

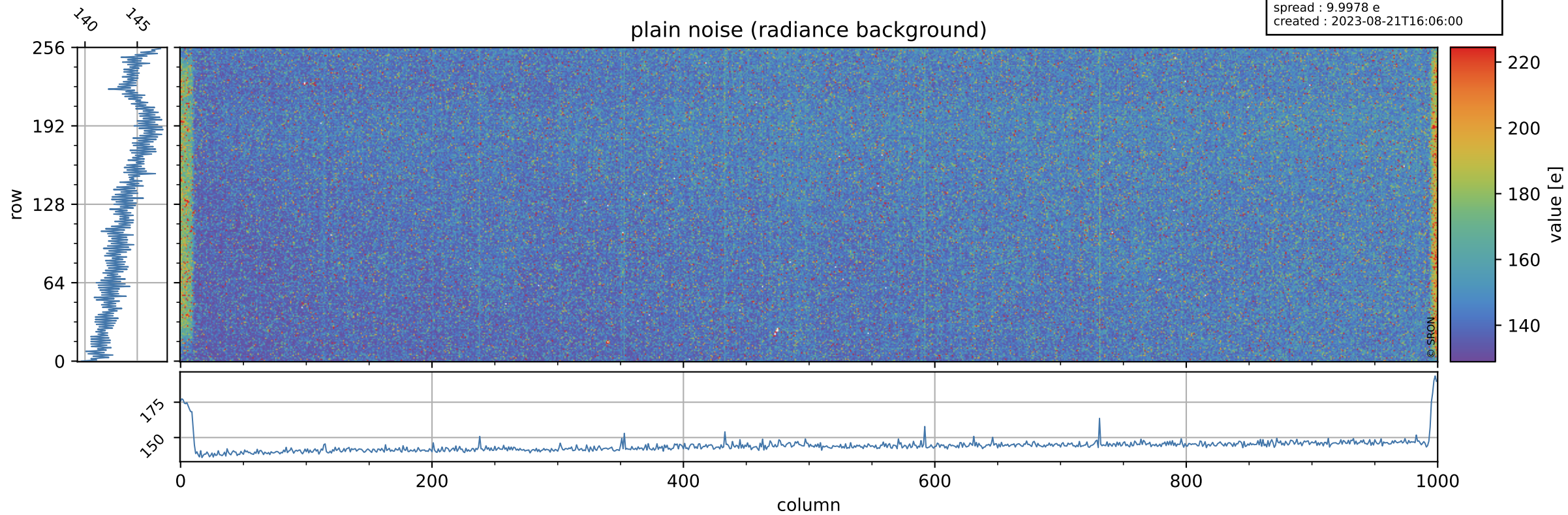
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.9978 e  
created : 2023-08-21T16:06:00

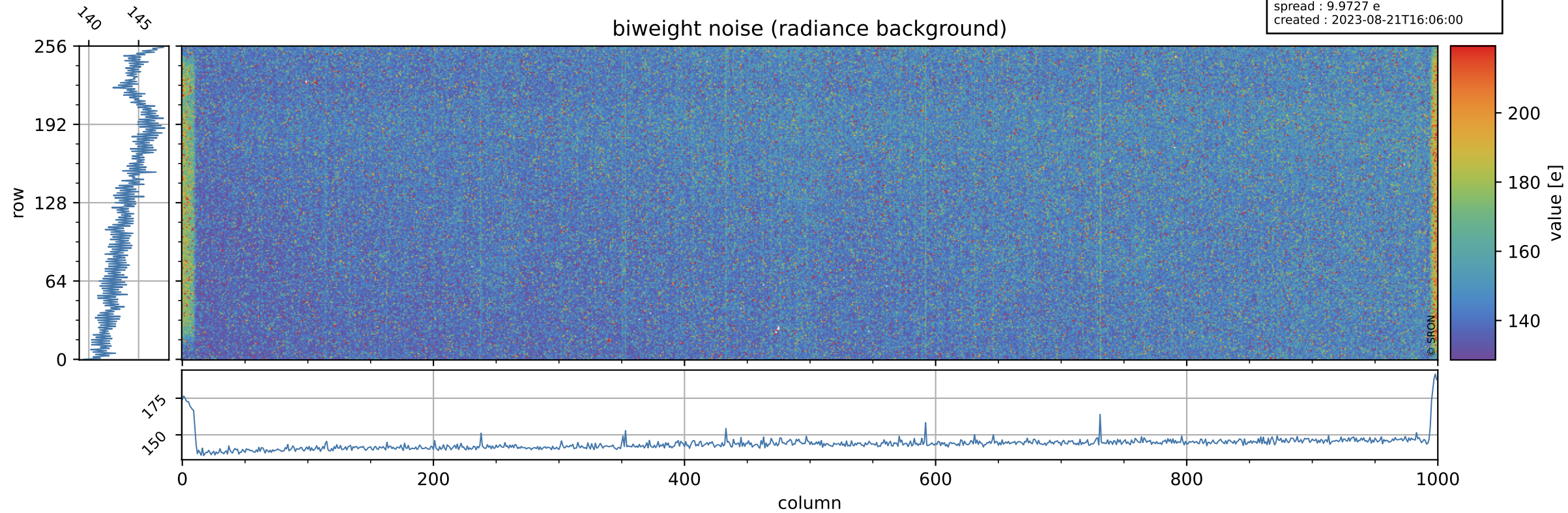
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.9727 e  
created : 2023-08-21T16:06:00

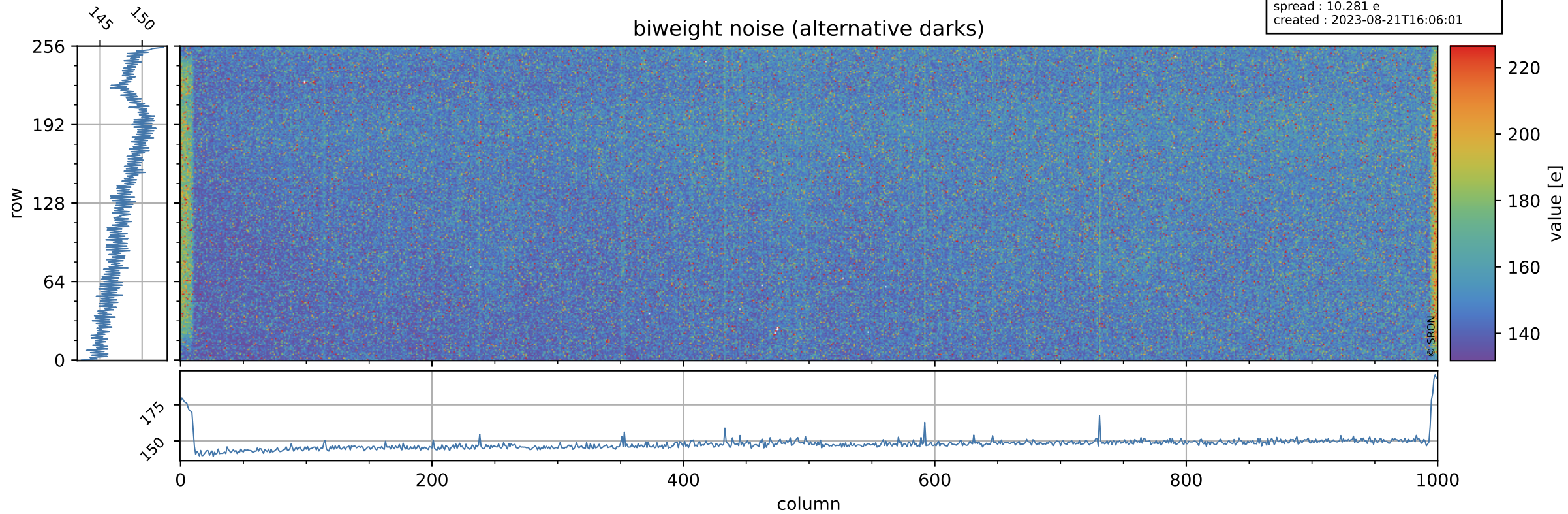
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.281 e  
created : 2023-08-21T16:06:01

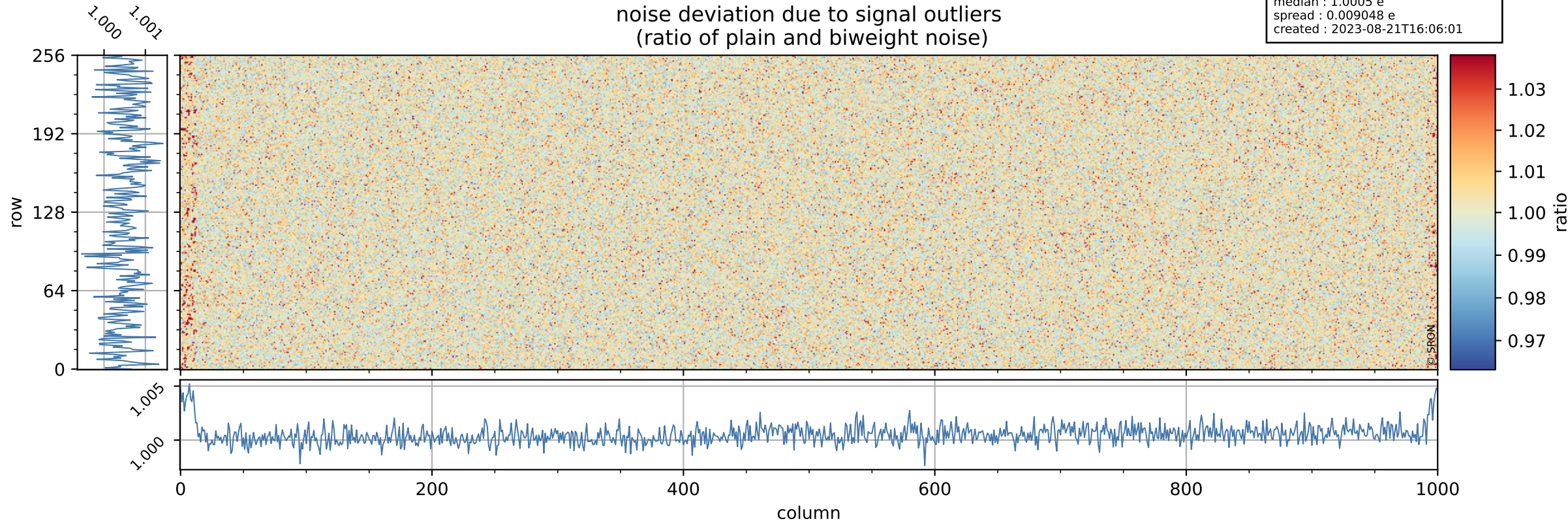
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

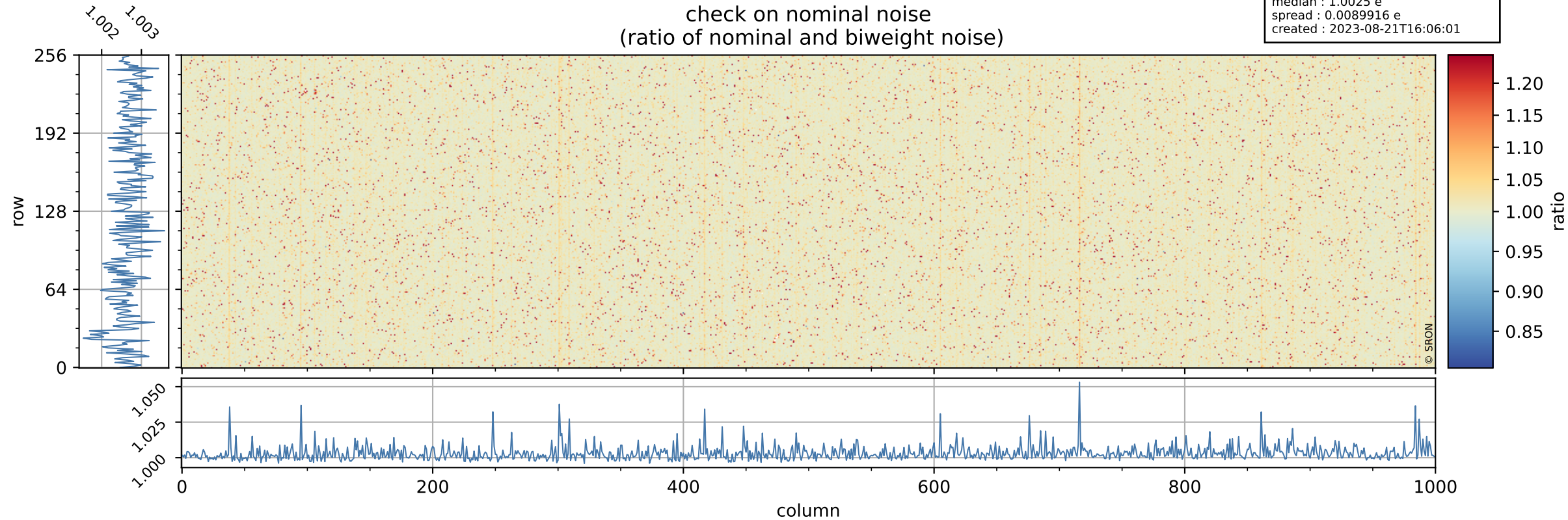
orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
median : 1.0005 e  
spread : 0.009048 e  
created : 2023-08-21T16:06:01



# Tropomi SWIR background noise (swir)

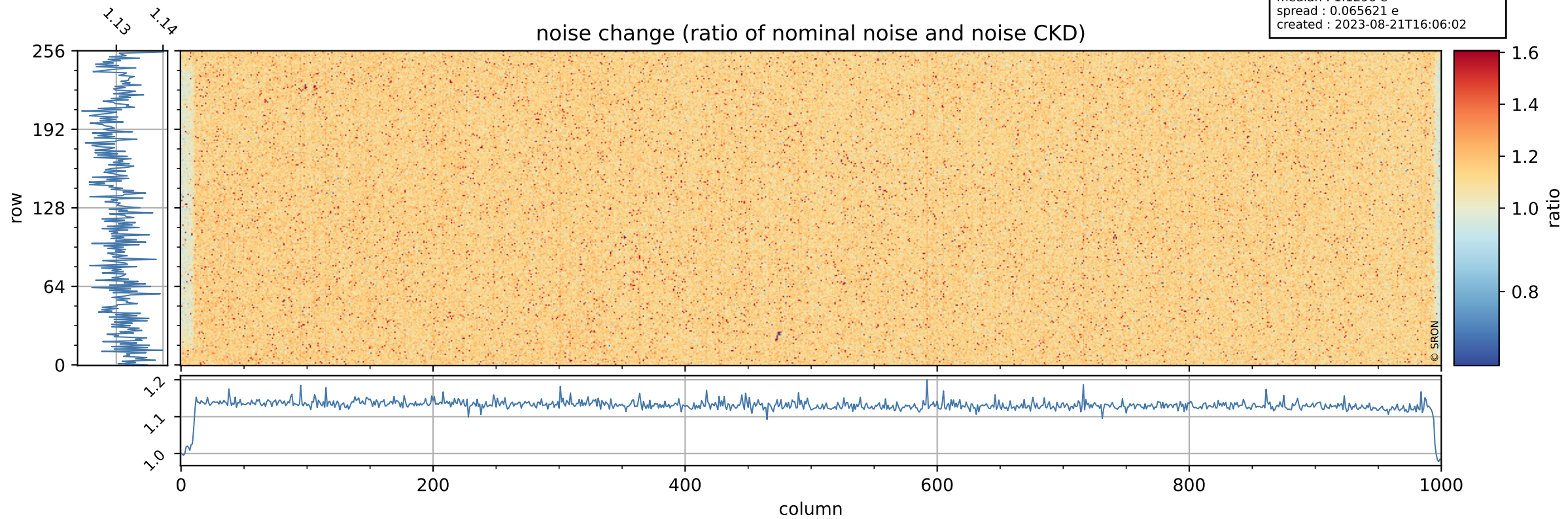
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
median : 1.0025 e  
spread : 0.0089916 e  
created : 2023-08-21T16:06:01



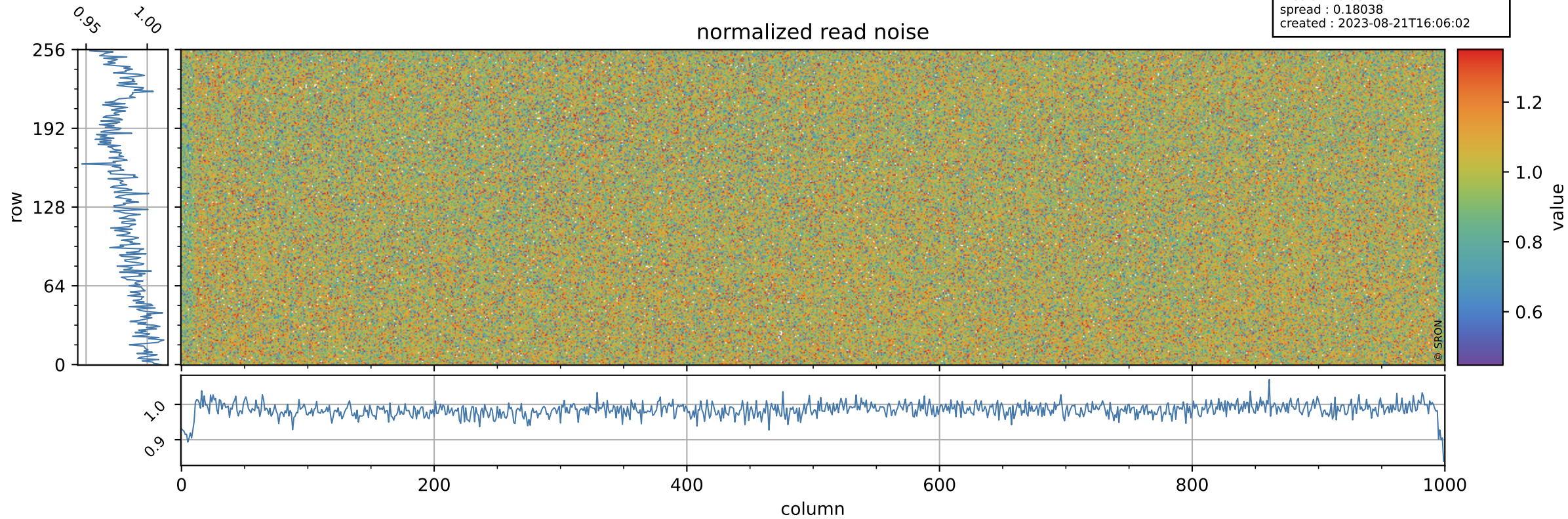
# Tropomi SWIR background noise (swir)

orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
median : 1.1296 e  
spread : 0.065621 e  
created : 2023-08-21T16:06:02



# Tropomi SWIR background noise (swir)

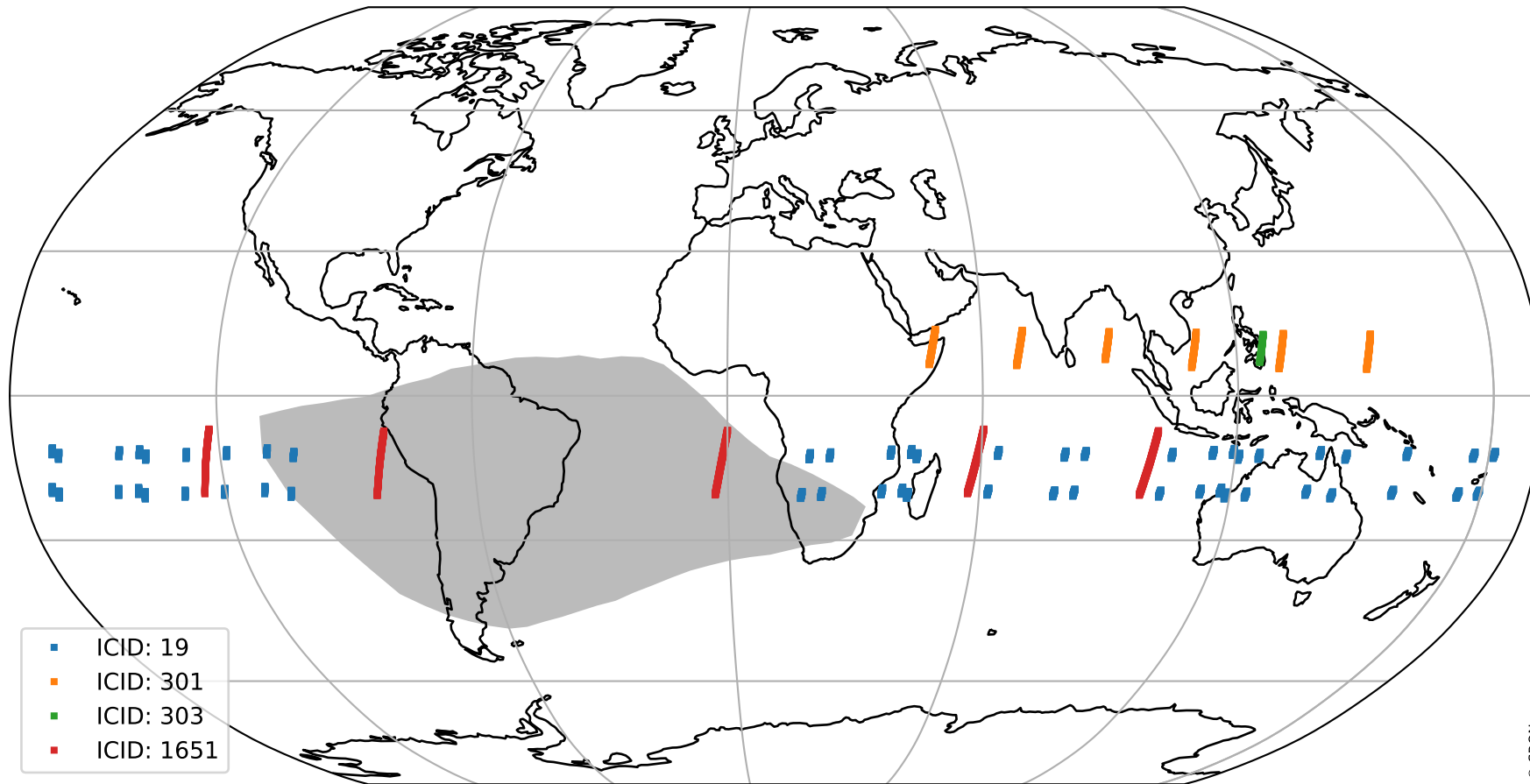
orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
median : 0.98245  
spread : 0.18038  
created : 2023-08-21T16:06:02





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

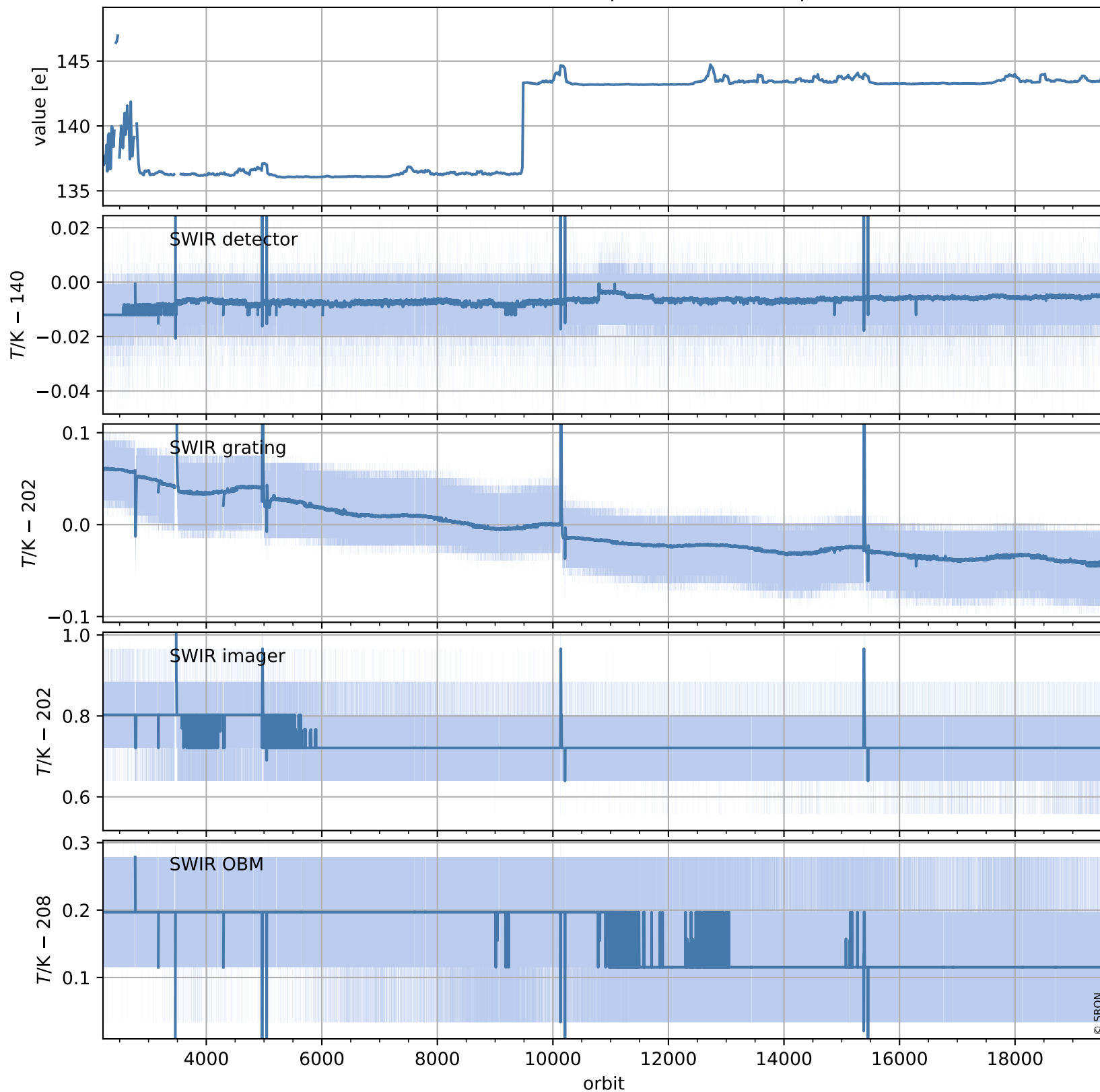
orbits : 12 in [19477, 19552]  
coverage : 2021-07-16 / 2021-07-21  
created : 2023-08-21T16:06:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 19552]  
coverage : 2018-03-18 / 2021-07-21  
created : 2023-08-21T16:06:03

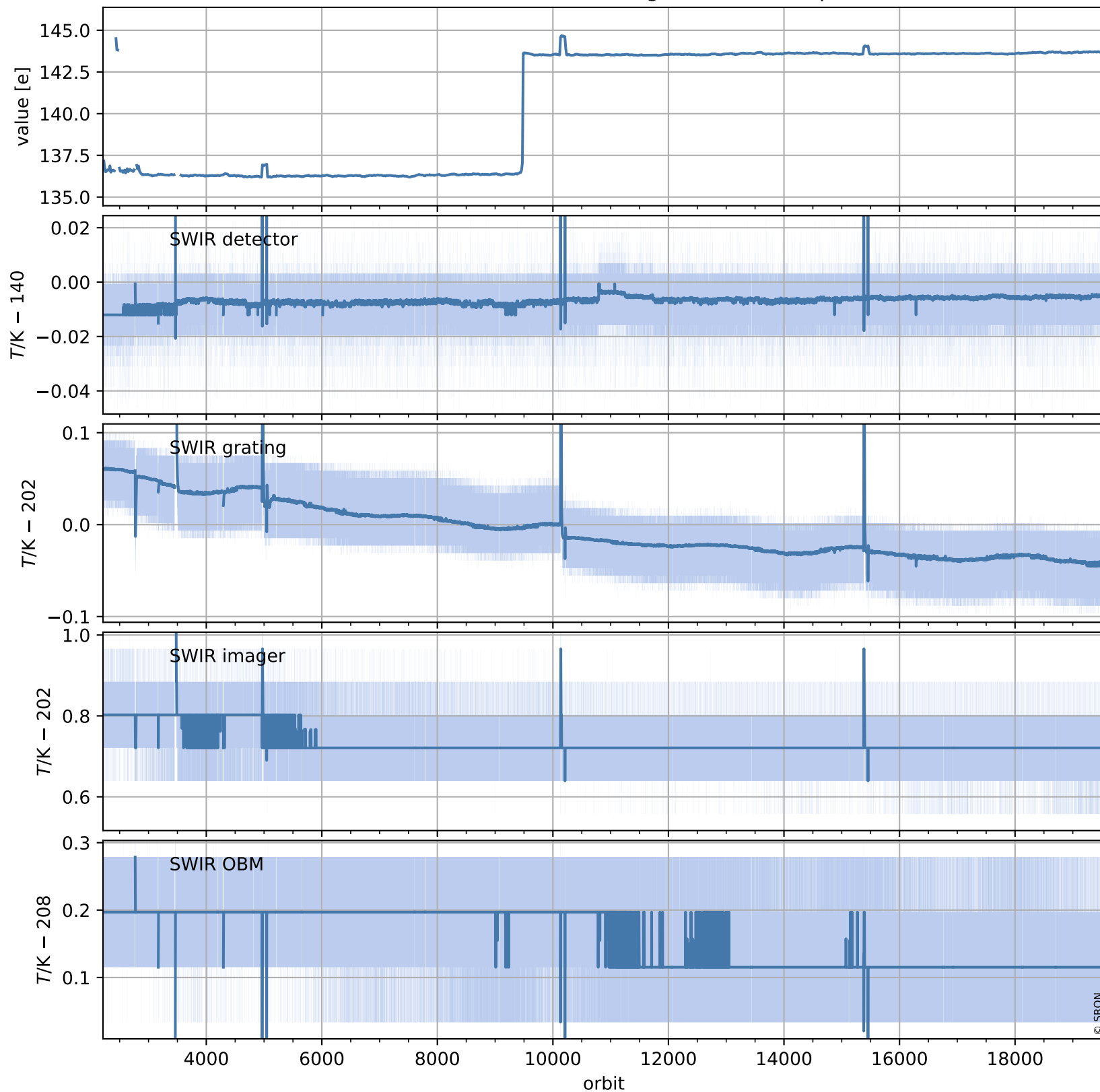
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19552]  
coverage : 2018-03-18 / 2021-07-21  
created : 2023-08-21T16:06:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19552]  
coverage : 2018-03-18 / 2021-07-21  
created : 2023-08-21T16:06:04

## trend of normalized read-noise & temperatures

