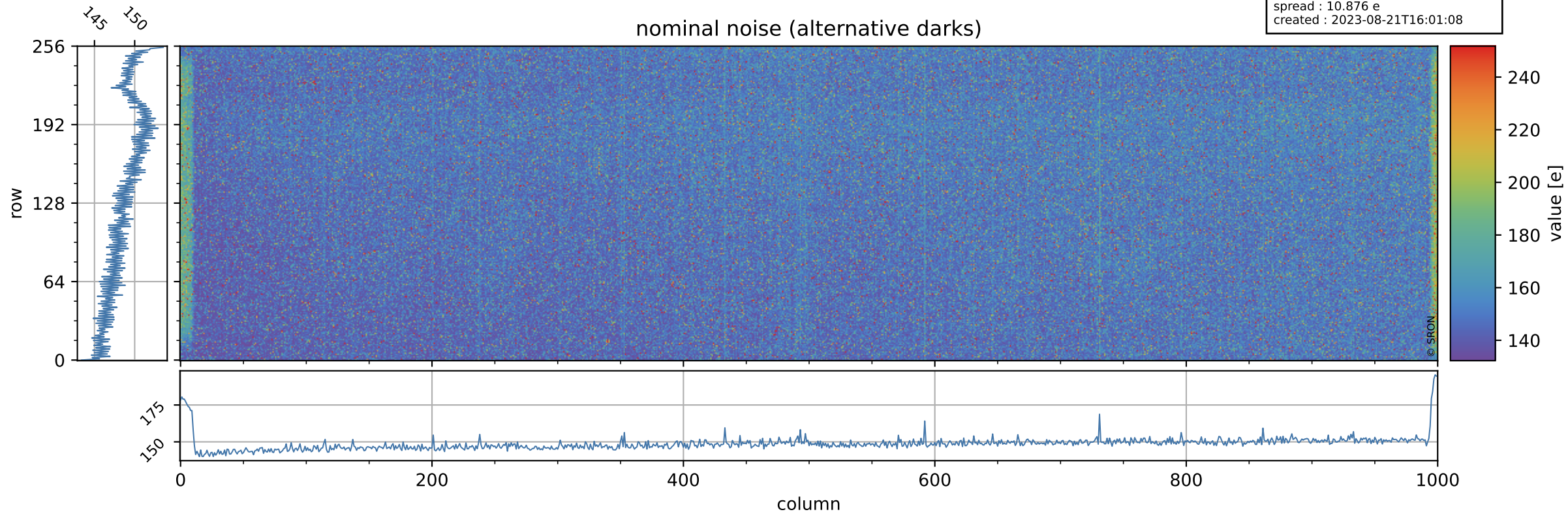


# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.6 e  
spread : 10.876 e  
created : 2023-08-21T16:01:08

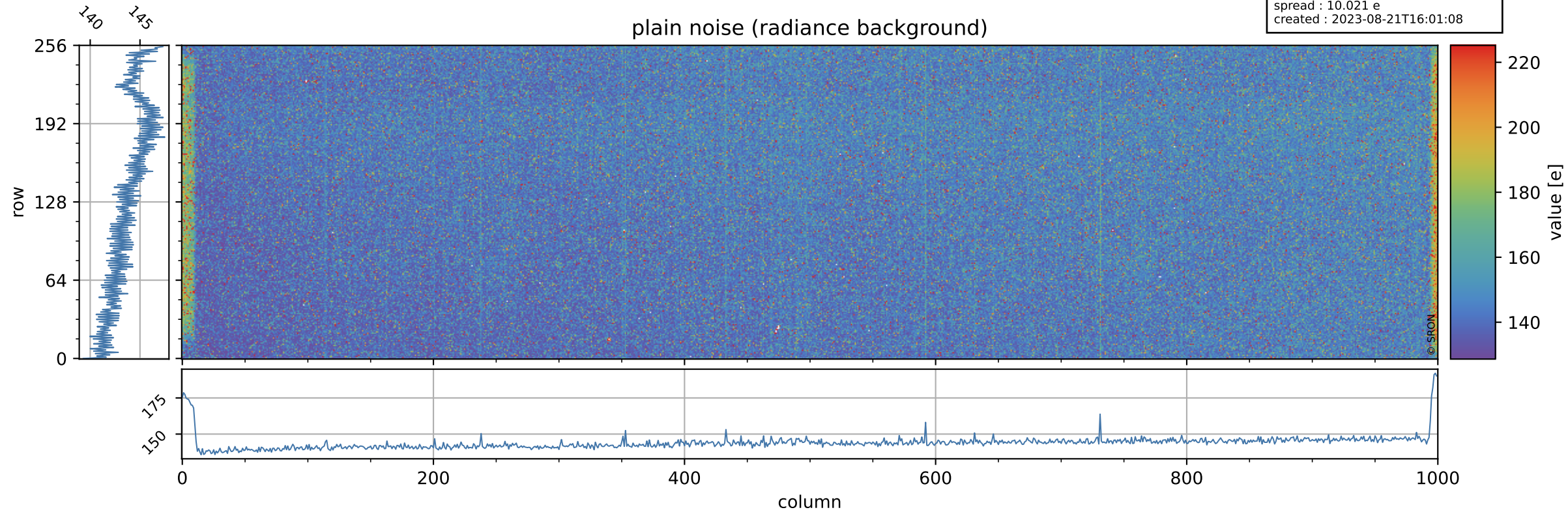
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 10.021 e  
created : 2023-08-21T16:01:08

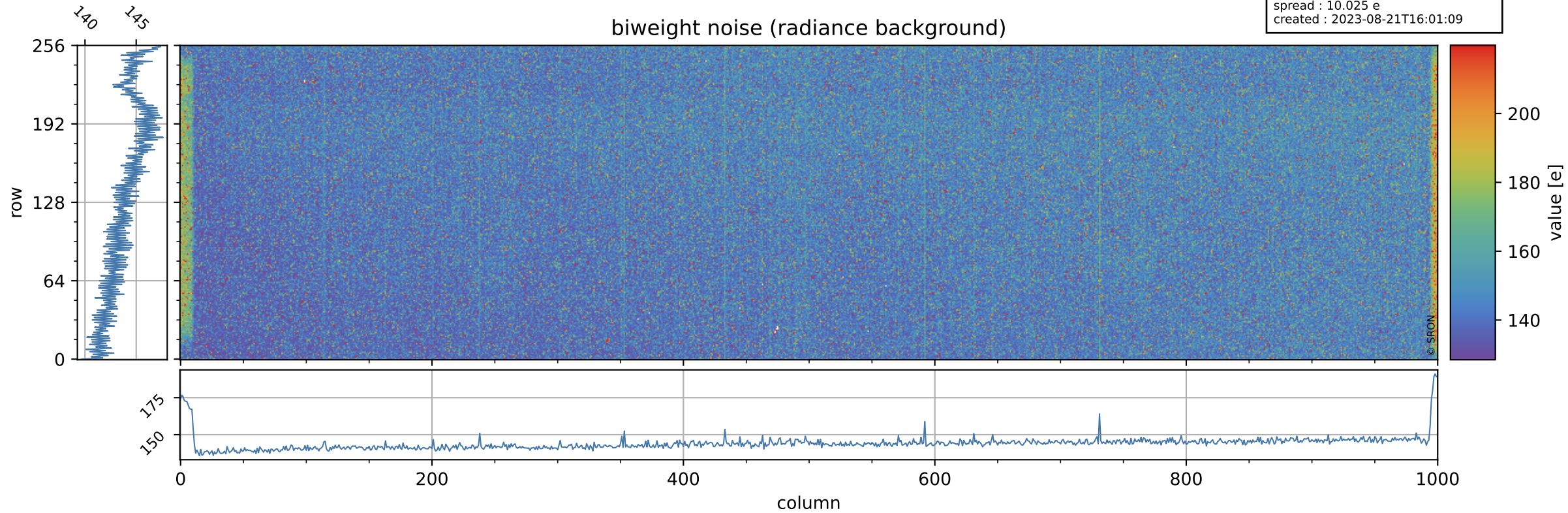
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 10.025 e  
created : 2023-08-21T16:01:09

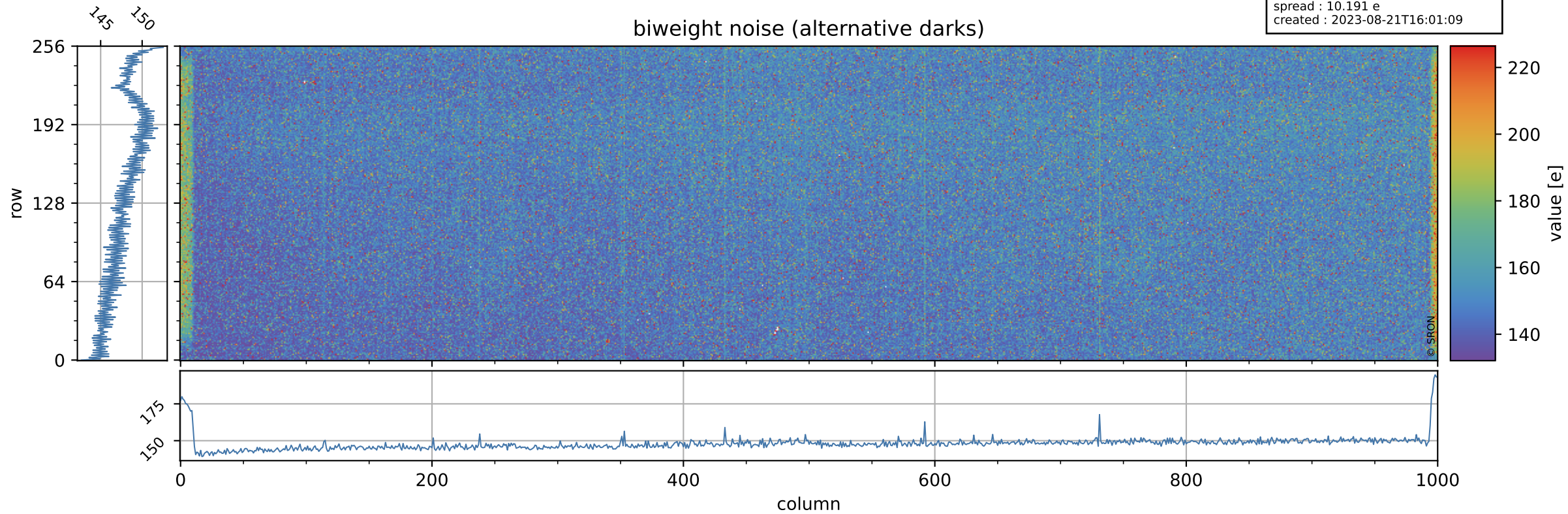
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.191 e  
created : 2023-08-21T16:01:09

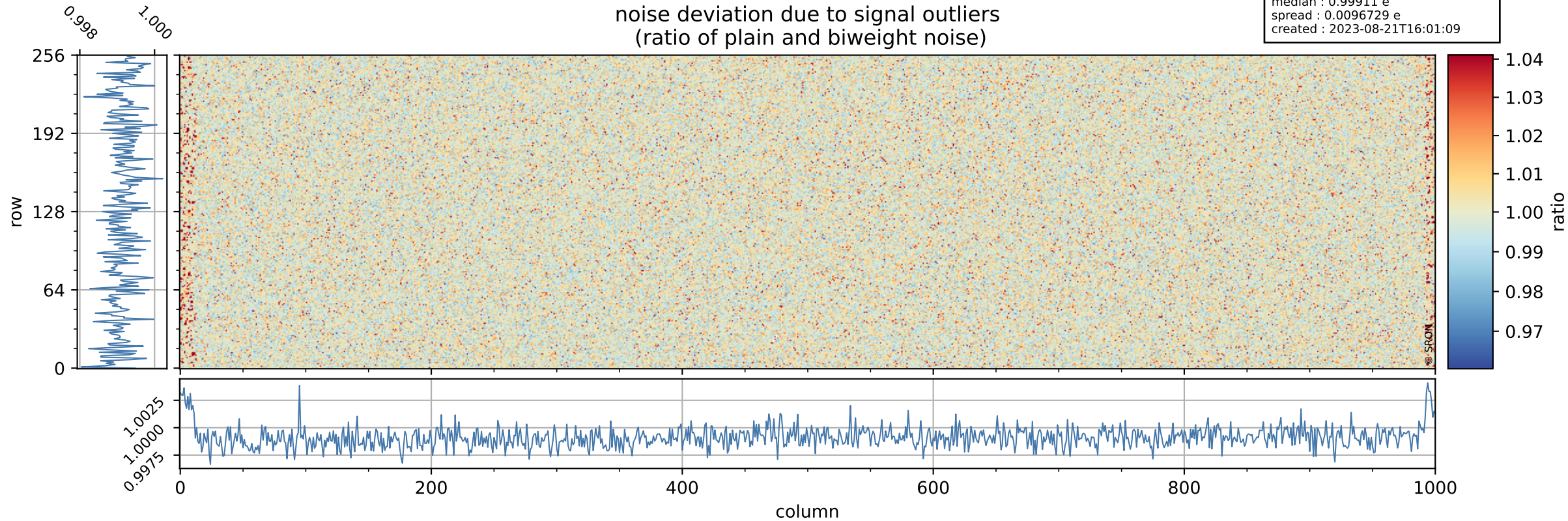
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

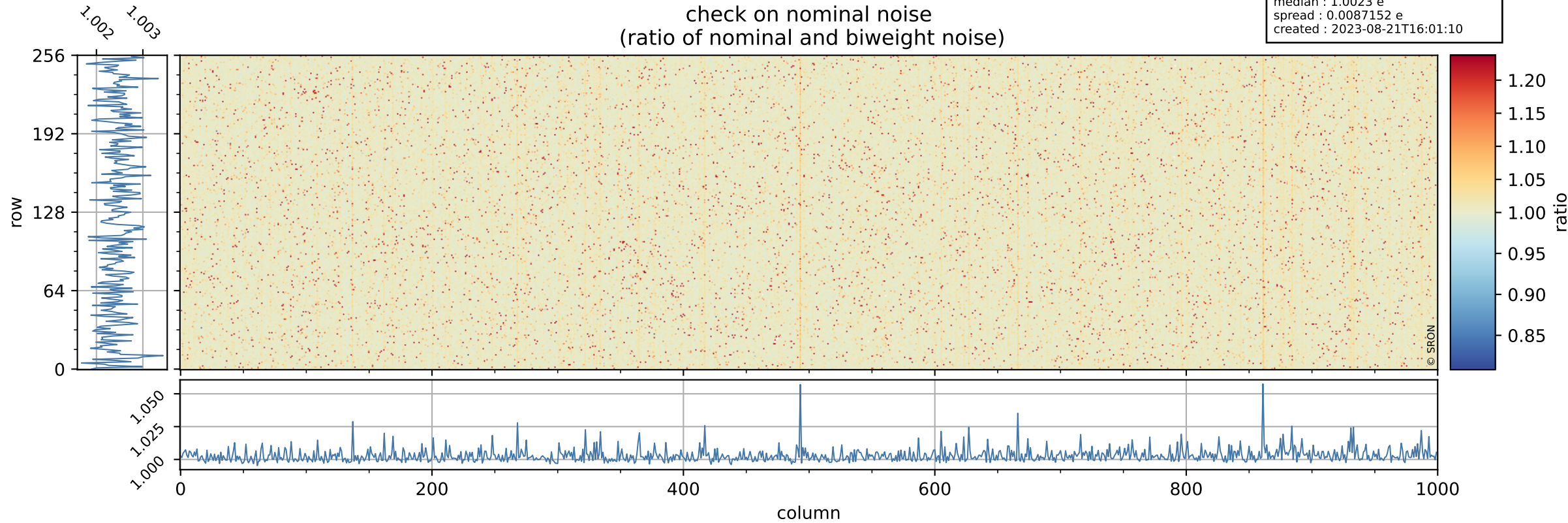
orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
median : 0.99911 e  
spread : 0.0096729 e  
created : 2023-08-21T16:01:09



# Tropomi SWIR background noise (swir)

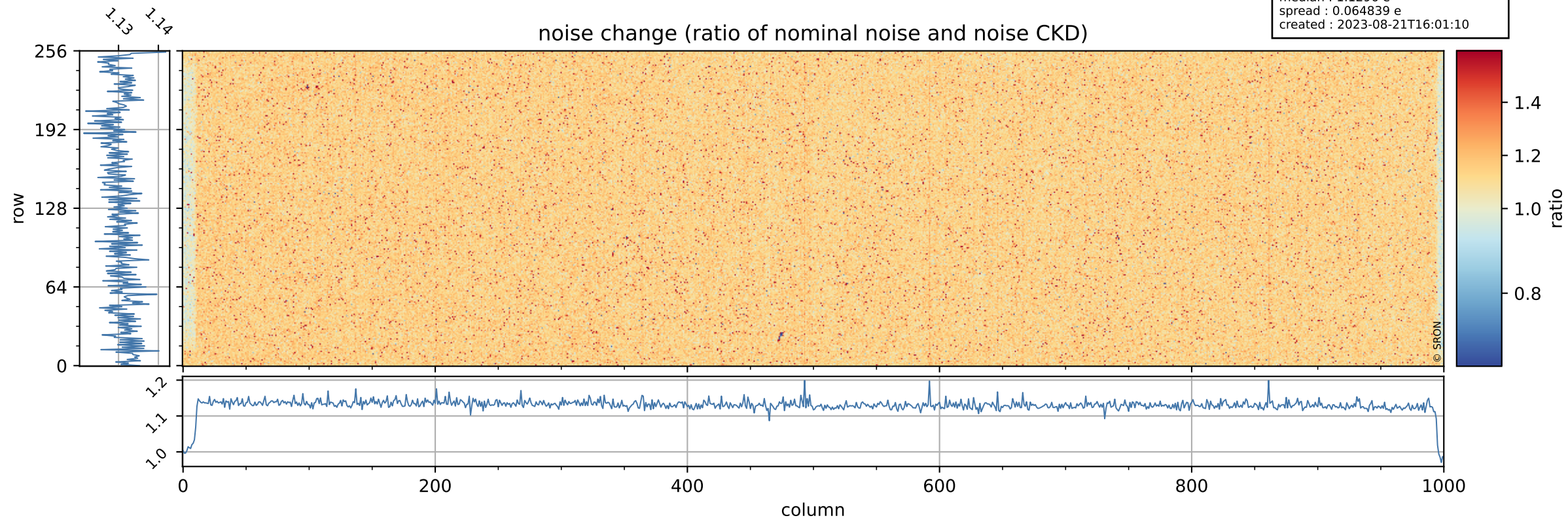
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
median : 1.0023 e  
spread : 0.0087152 e  
created : 2023-08-21T16:01:10



# Tropomi SWIR background noise (swir)

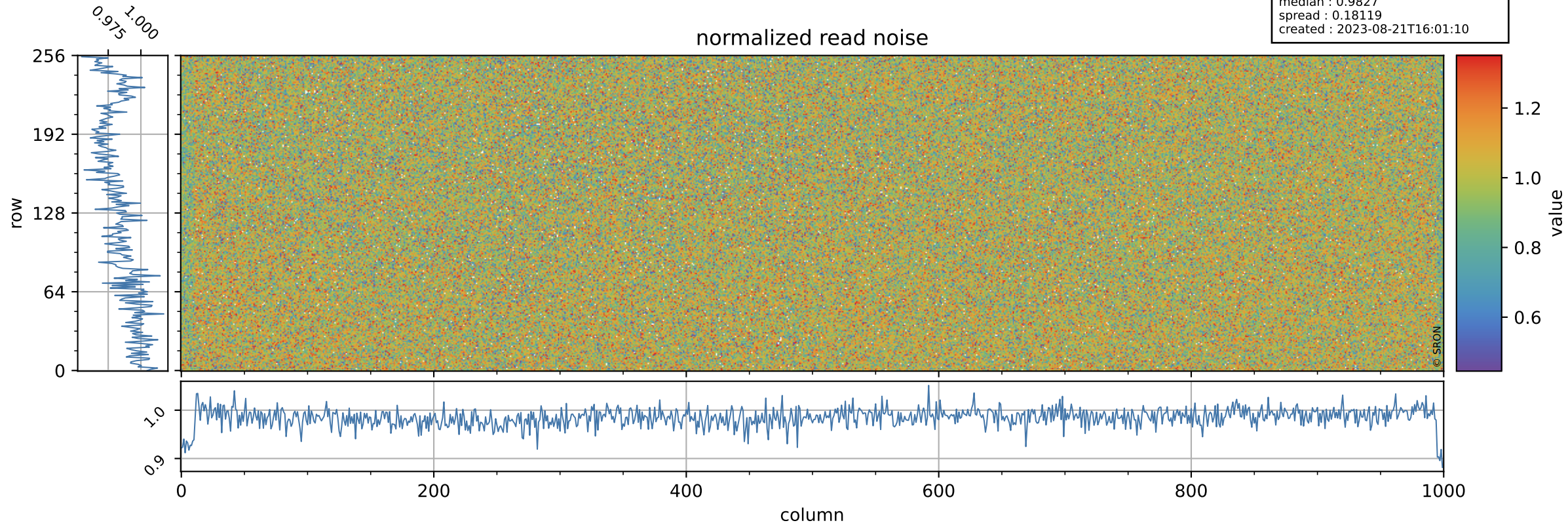
orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
median : 1.1296 e  
spread : 0.064839 e  
created : 2023-08-21T16:01:10



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
median : 0.9827  
spread : 0.18119  
created : 2023-08-21T16:01:10

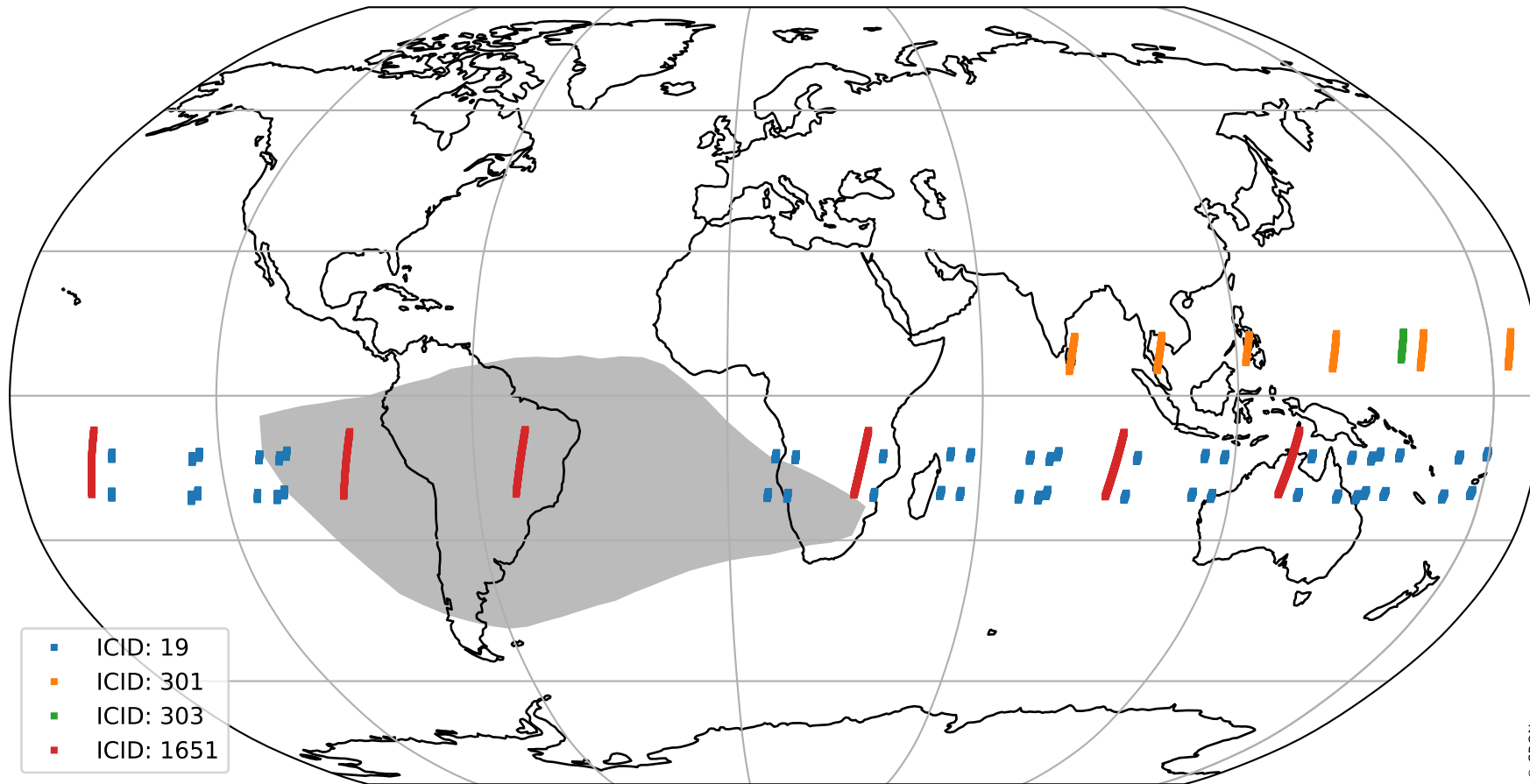
normalized read noise





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

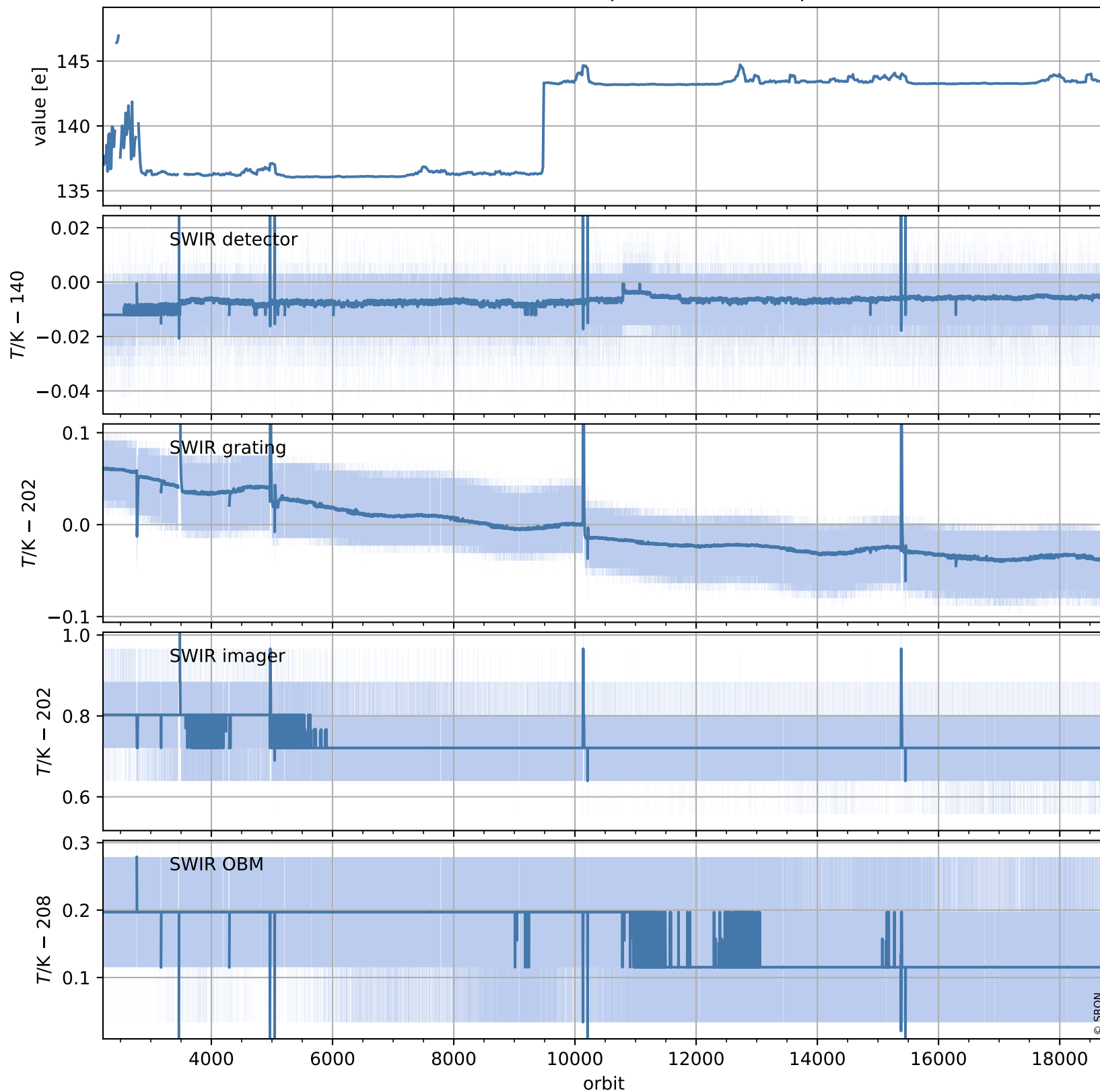
orbits : 13 in [18667, 18742]  
coverage : 2021-05-20 / 2021-05-25  
created : 2023-08-21T16:01:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 18742]  
coverage : 2018-03-18 / 2021-05-25  
created : 2023-08-21T16:01:11

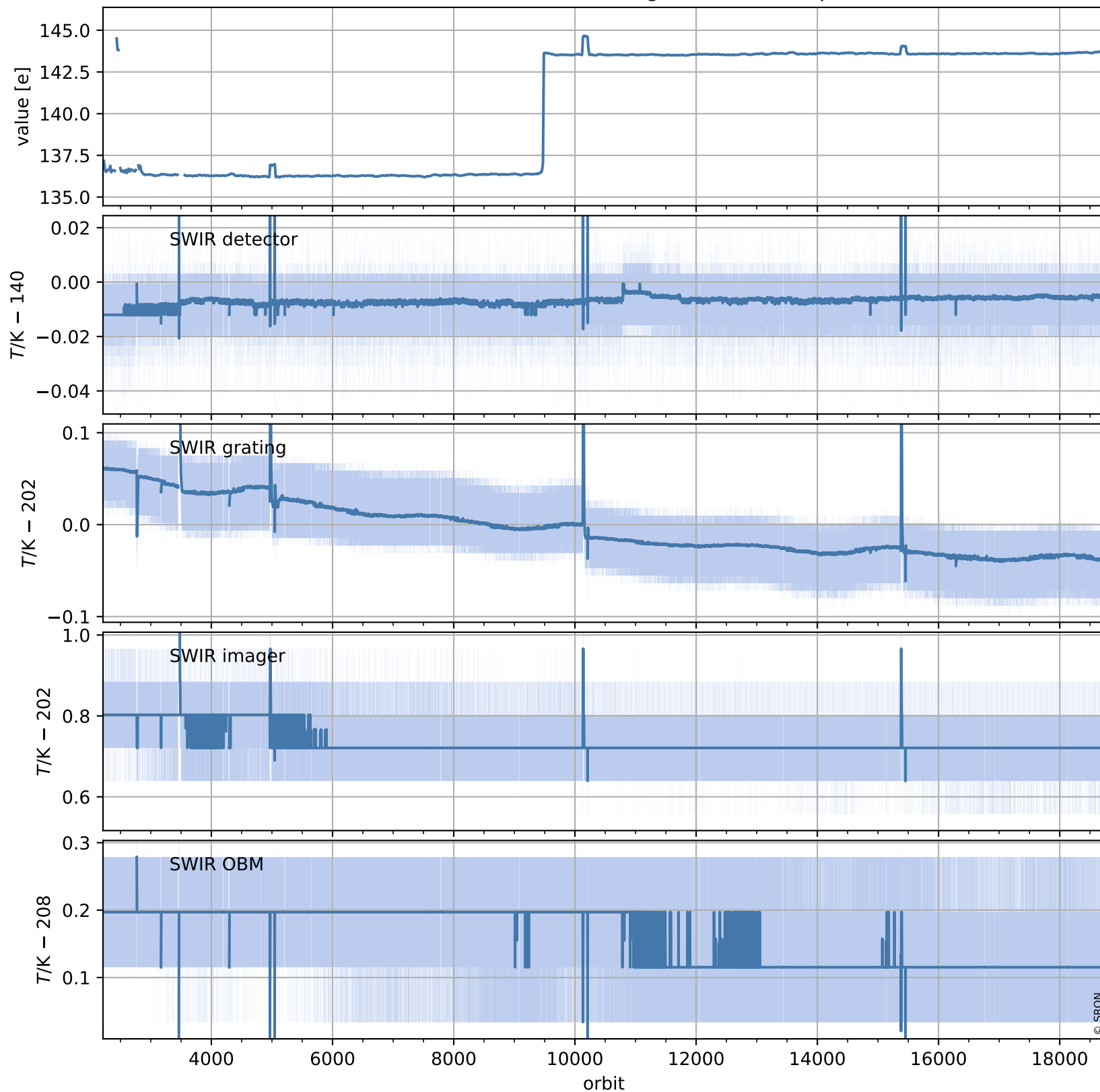
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18742]  
coverage : 2018-03-18 / 2021-05-25  
created : 2023-08-21T16:01:12

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18742]  
coverage : 2018-03-18 / 2021-05-25  
created : 2023-08-21T16:01:12

## trend of normalized read-noise & temperatures

