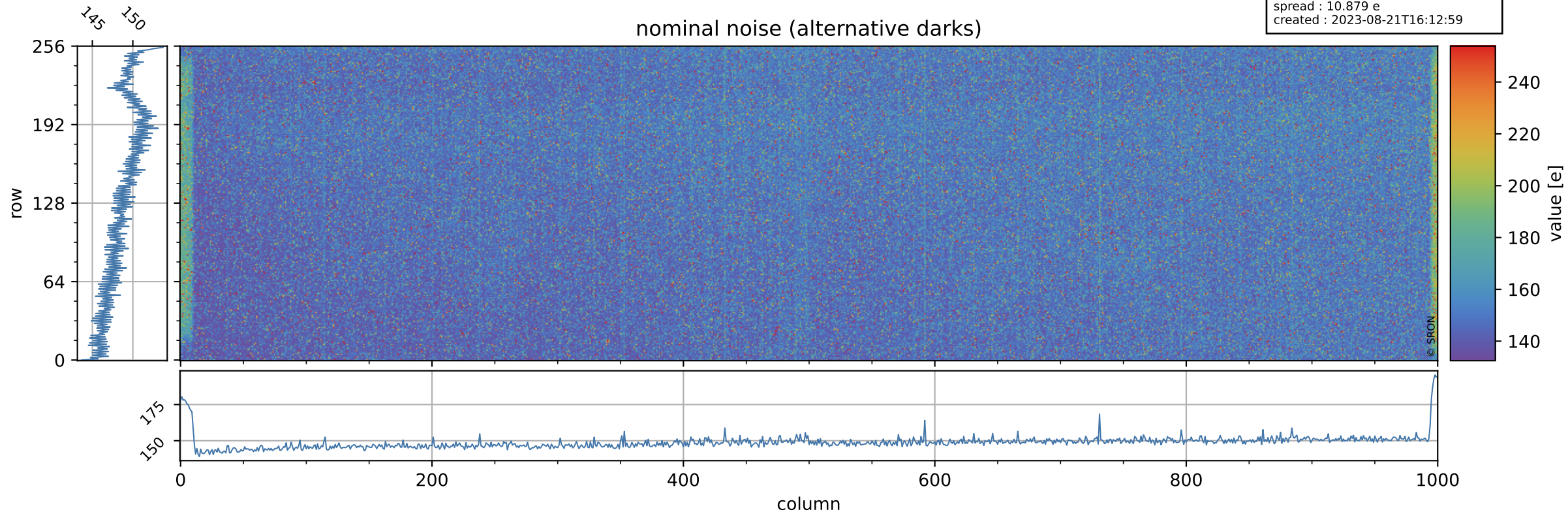


# Tropomi SWIR background noise (swir)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.66 e  
spread : 10.879 e  
created : 2023-08-21T16:12:59

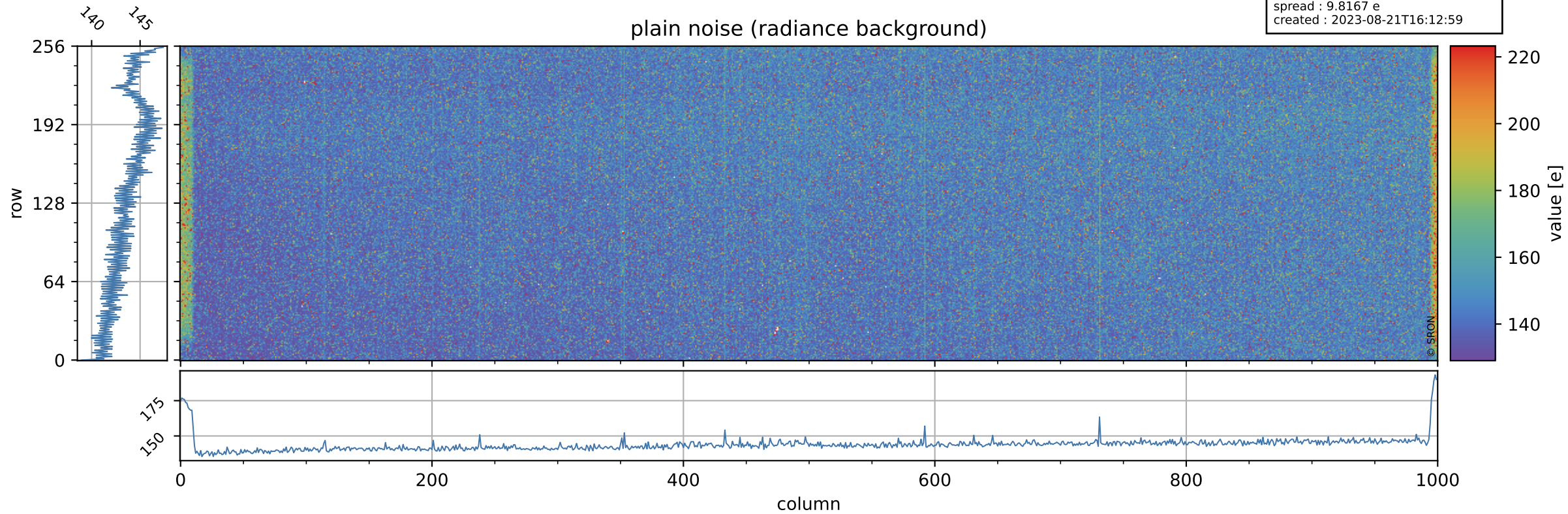
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.8167 e  
created : 2023-08-21T16:12:59

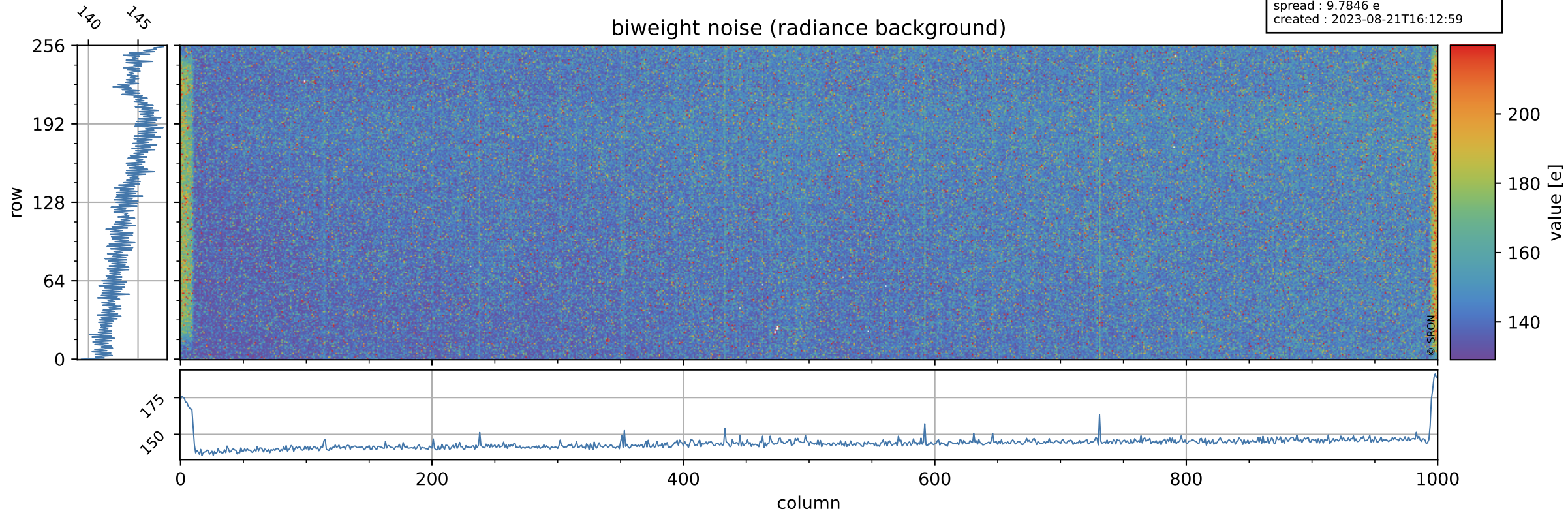
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.7846 e  
created : 2023-08-21T16:12:59

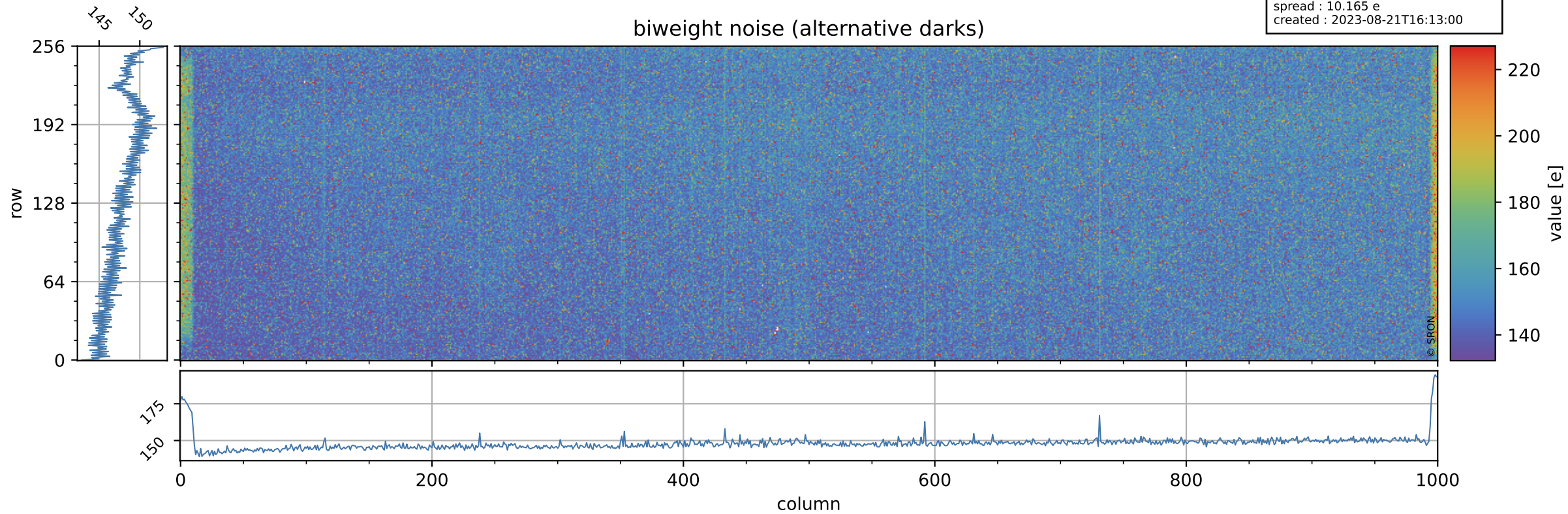
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.165 e  
created : 2023-08-21T16:13:00

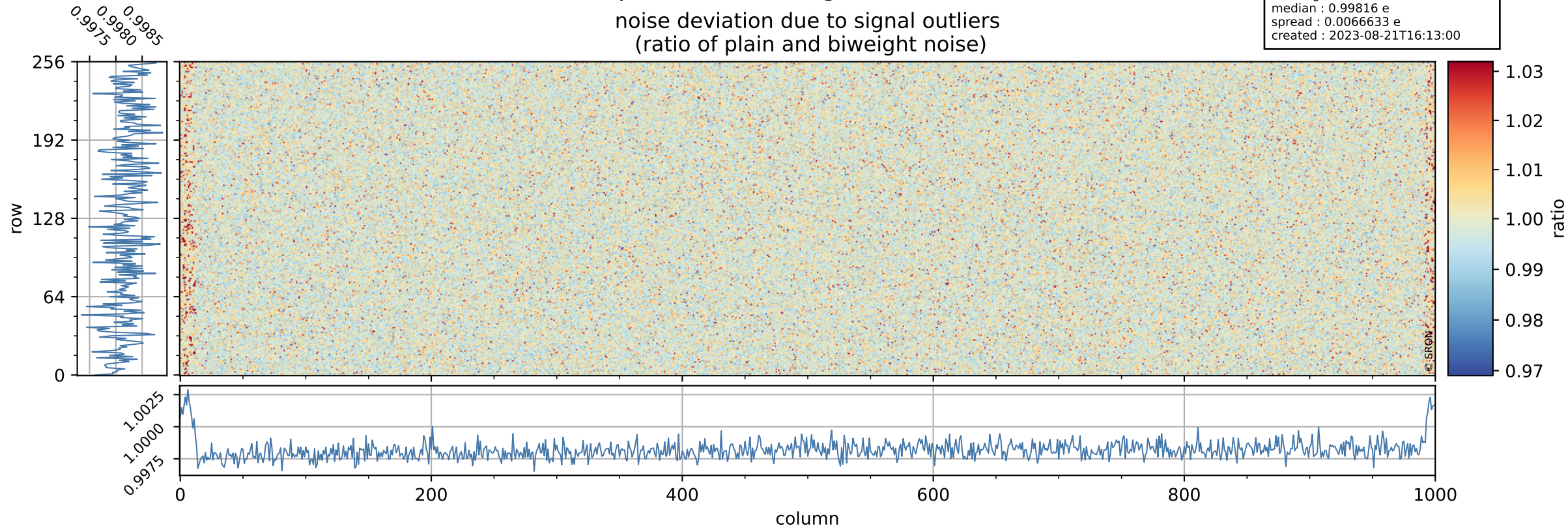
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

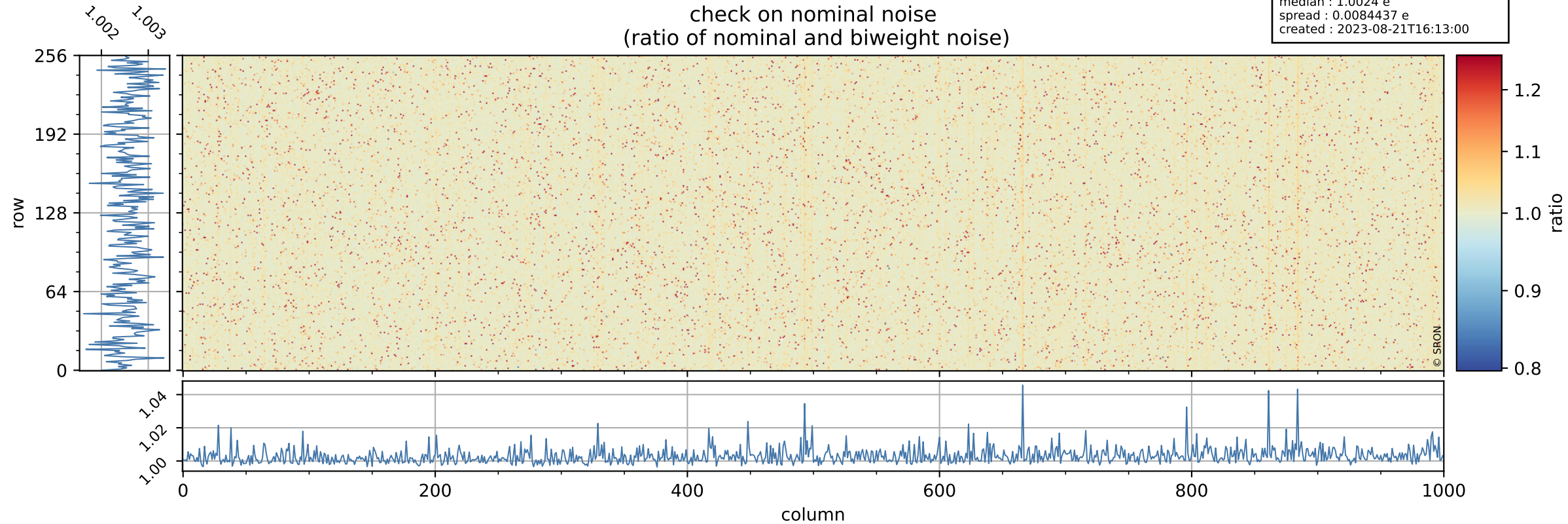
orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
median : 0.99816 e  
spread : 0.0066633 e  
created : 2023-08-21T16:13:00



# Tropomi SWIR background noise (swir)

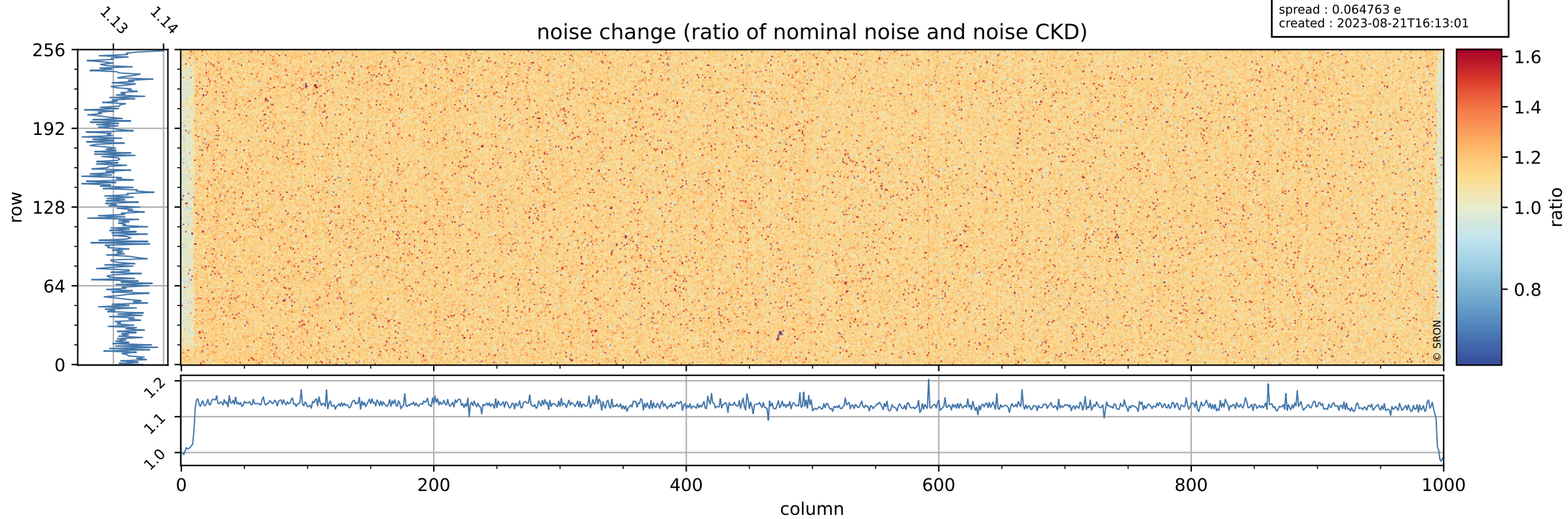
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
median : 1.0024 e  
spread : 0.0084437 e  
created : 2023-08-21T16:13:00



# Tropomi SWIR background noise (swir)

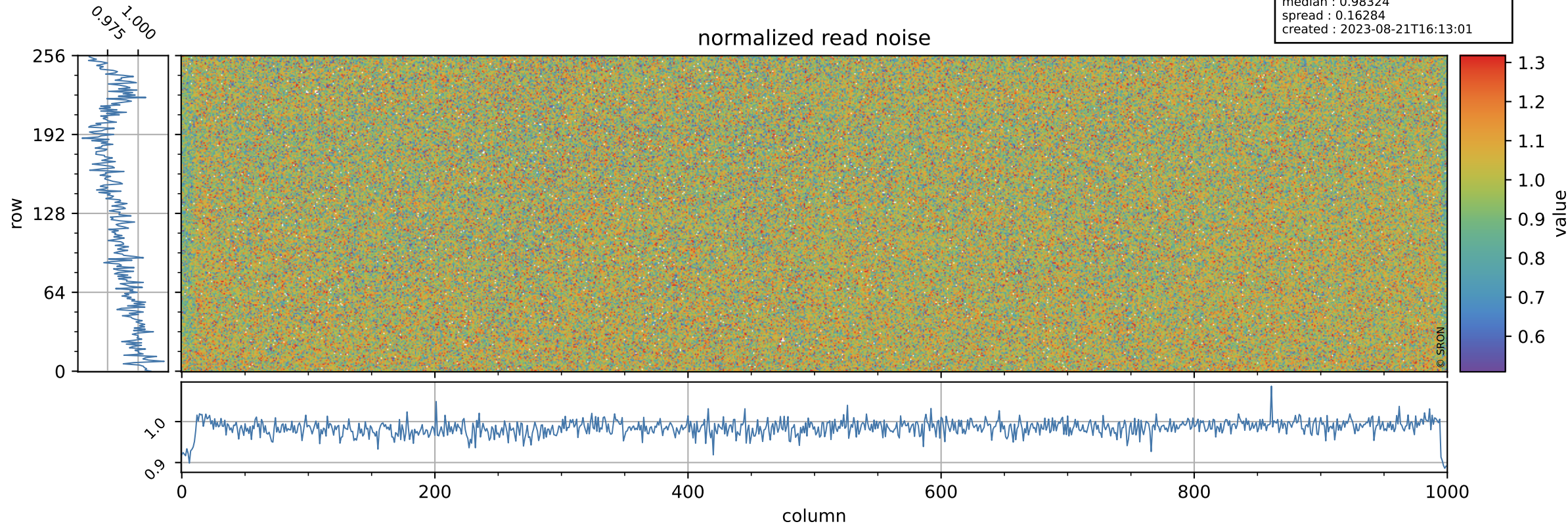
orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
median : 1.13 e  
spread : 0.064763 e  
created : 2023-08-21T16:13:01



# Tropomi SWIR background noise (swir)

orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
median : 0.98324  
spread : 0.16284  
created : 2023-08-21T16:13:01

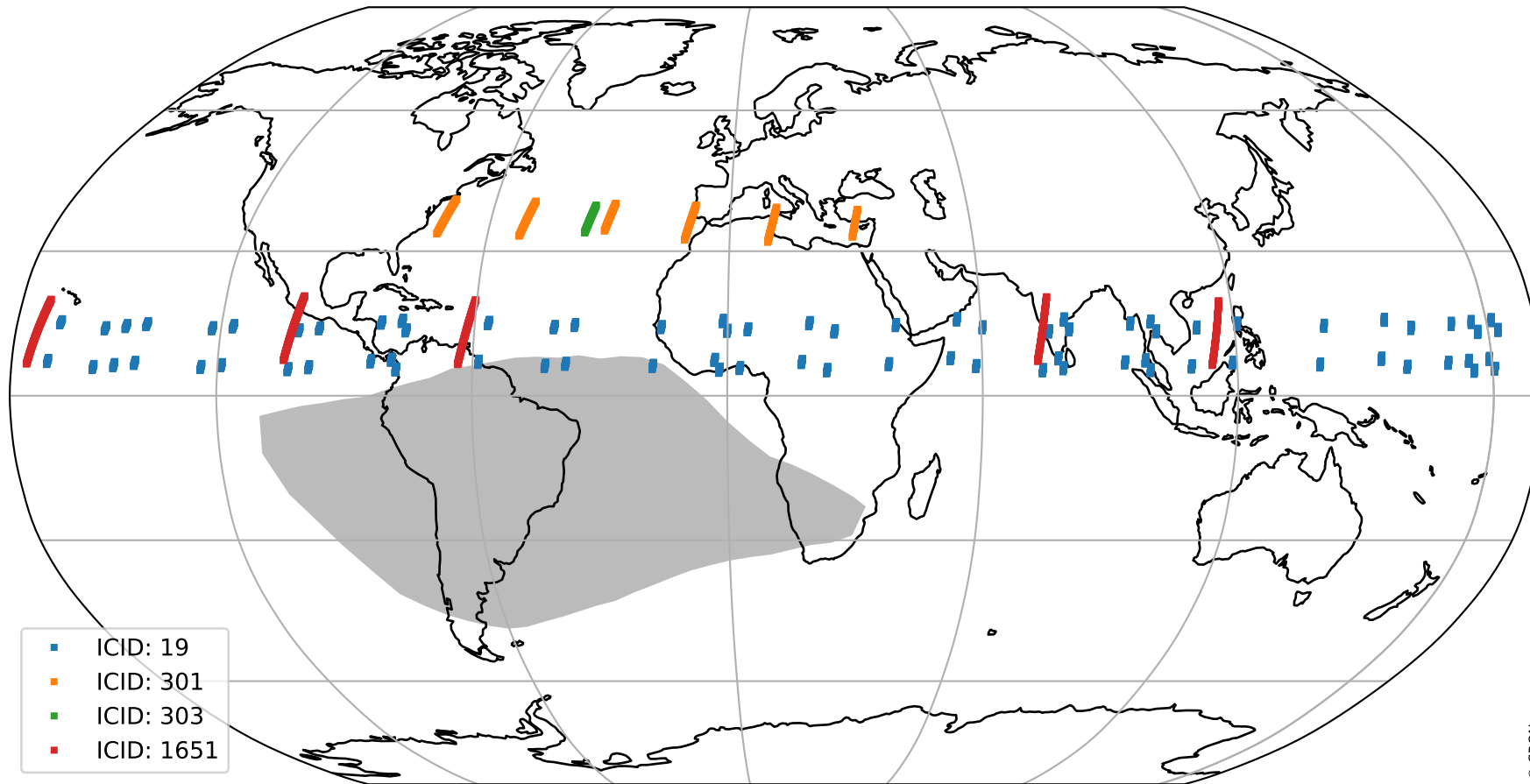
normalized read noise





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

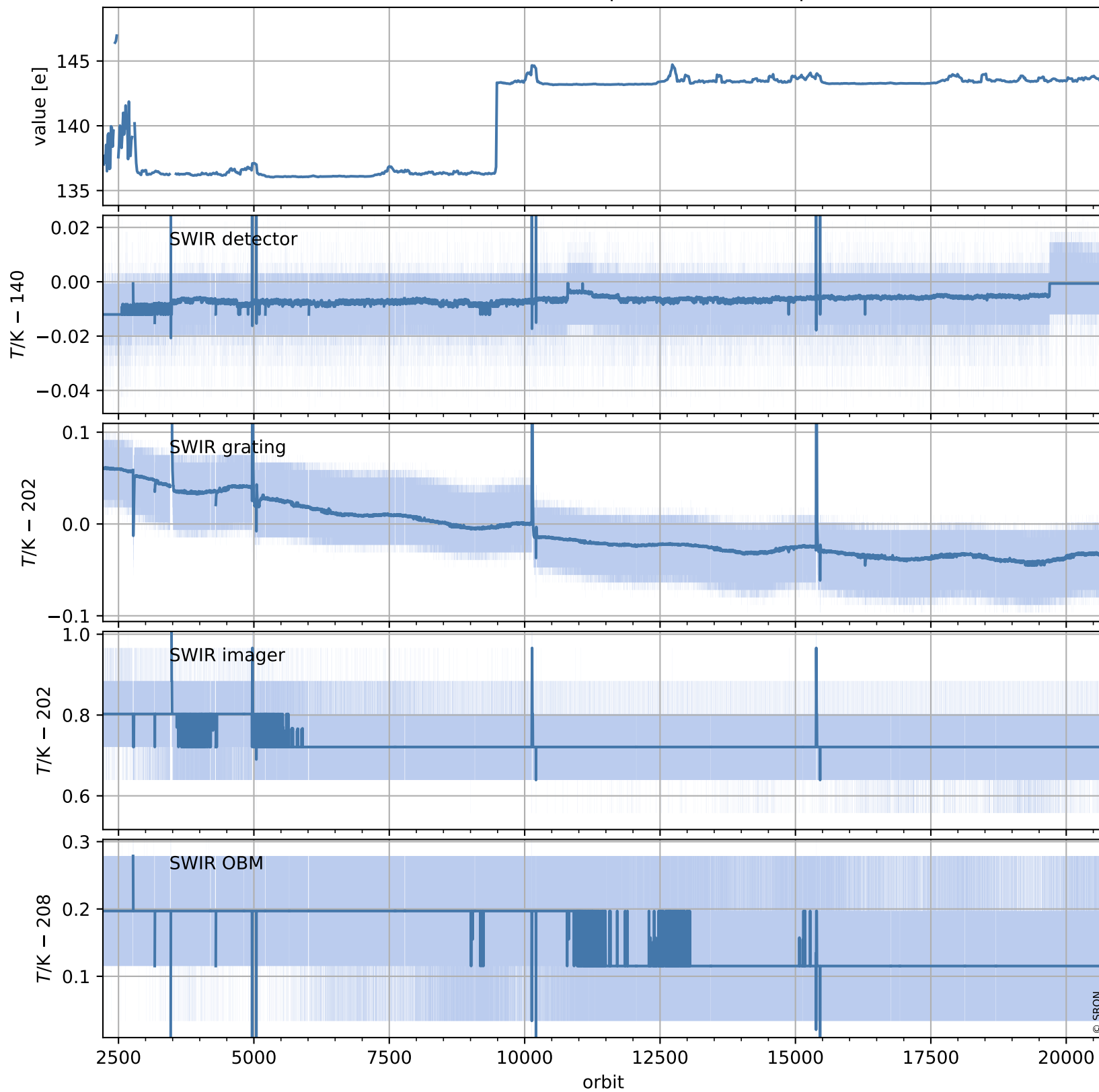
orbits : 12 in [20602, 20692]  
coverage : 2021-10-04 / 2021-10-10  
created : 2023-08-21T16:13:01



# Tropomi SWIR background noise (swir)

orbits : [2212, 20692]  
coverage : 2018-03-18 / 2021-10-10  
created : 2023-08-21T16:13:02

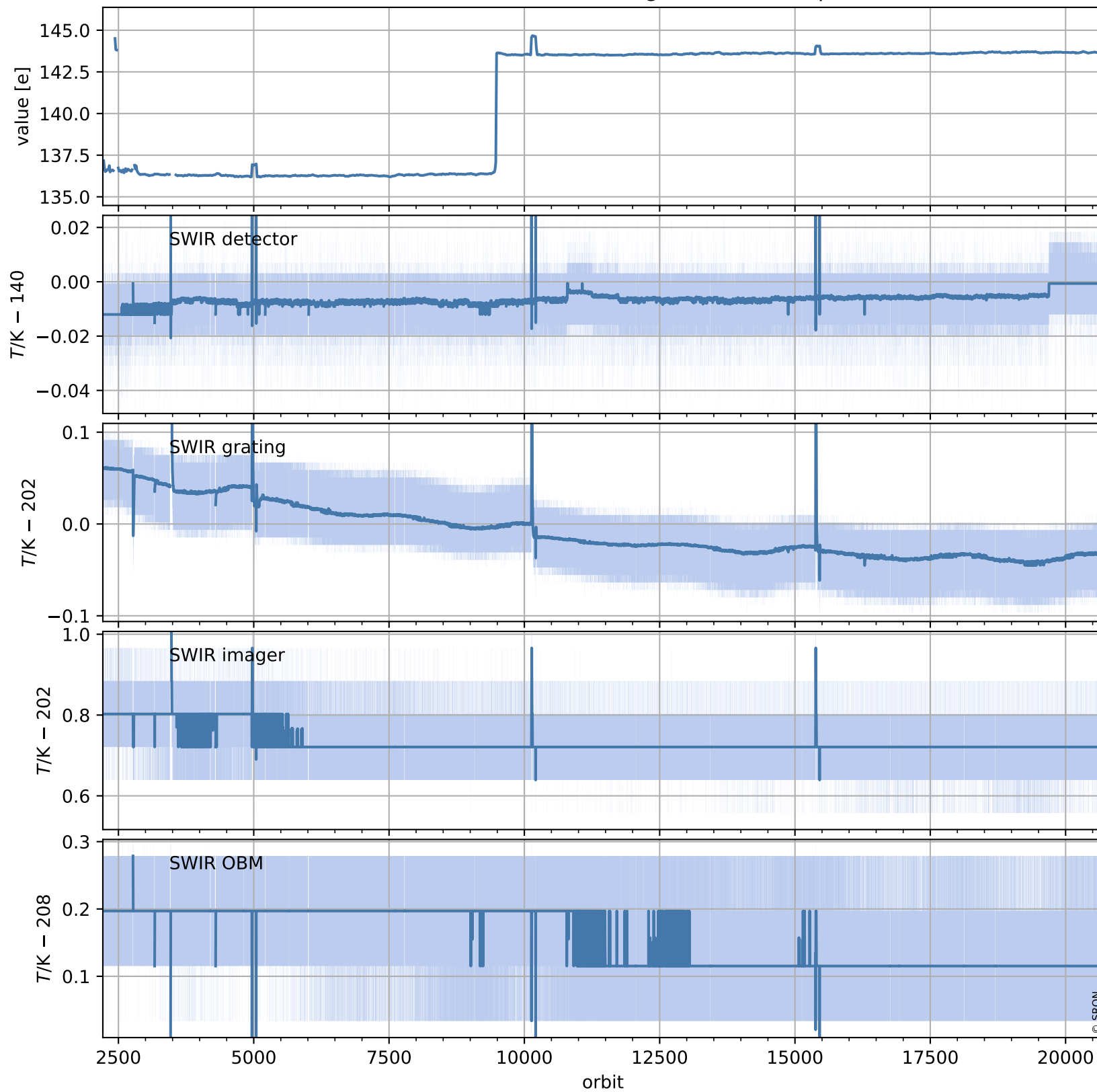
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20692]  
coverage : 2018-03-18 / 2021-10-10  
created : 2023-08-21T16:13:02

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20692]  
coverage : 2018-03-18 / 2021-10-10  
created : 2023-08-21T16:13:03

## trend of normalized read-noise & temperatures

