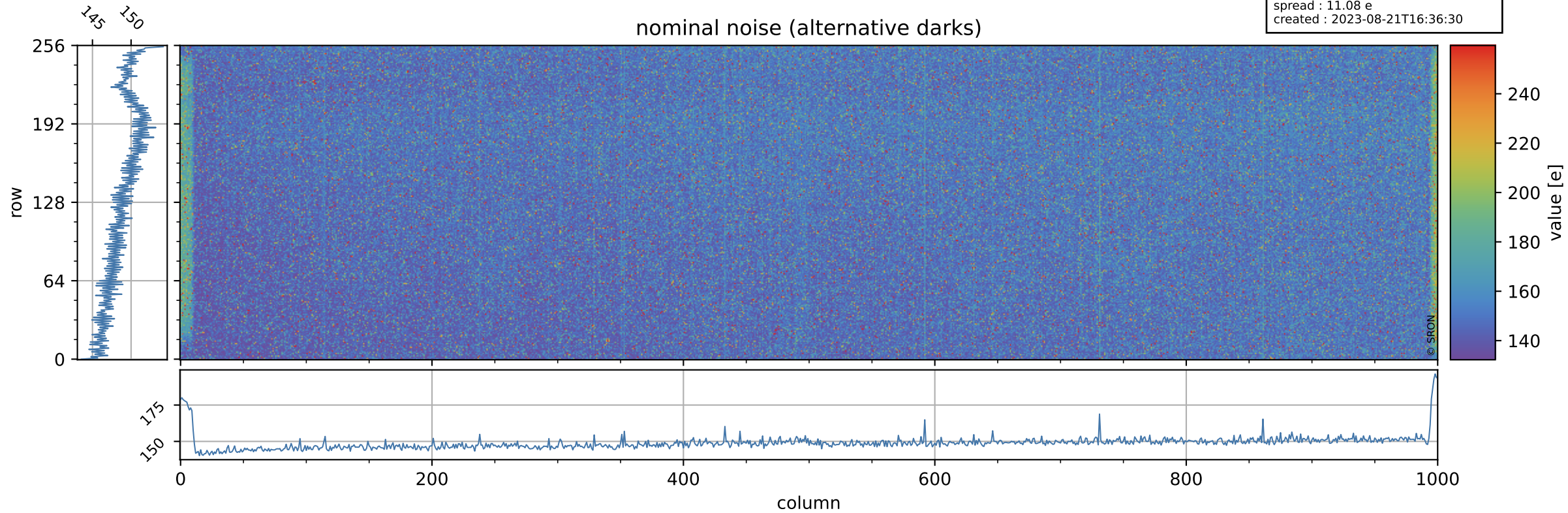


# Tropomi SWIR background noise (swir)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.77 e  
spread : 11.08 e  
created : 2023-08-21T16:36:30

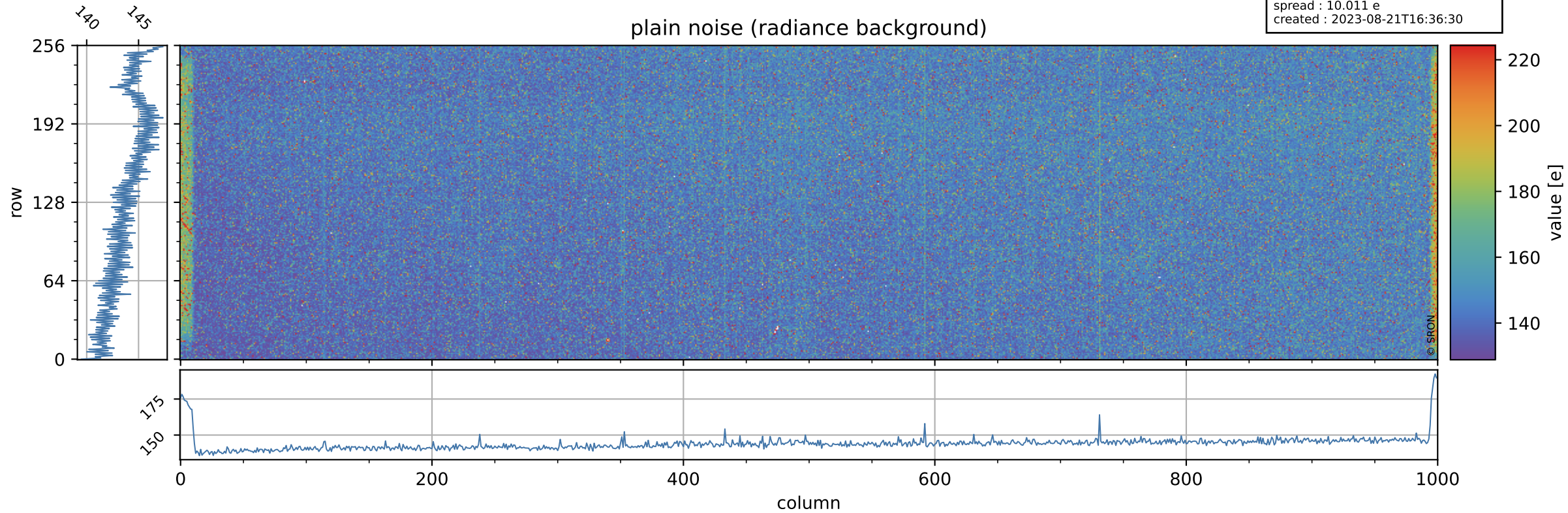
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 10.011 e  
created : 2023-08-21T16:36:30

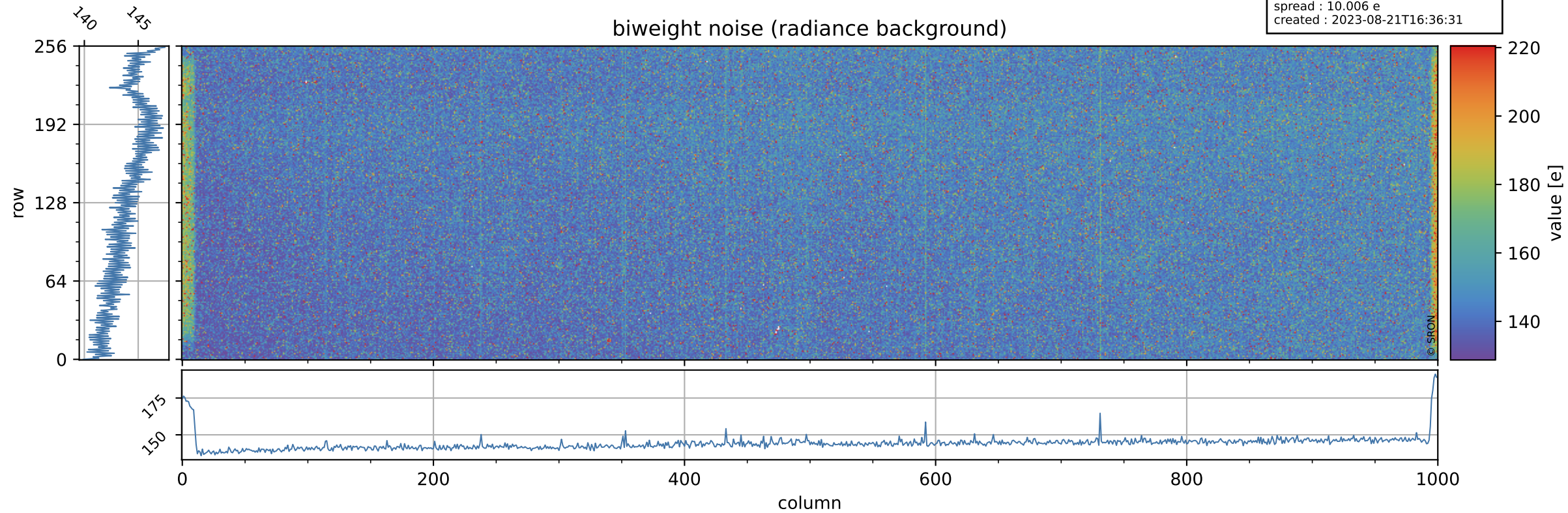
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 10.006 e  
created : 2023-08-21T16:36:31

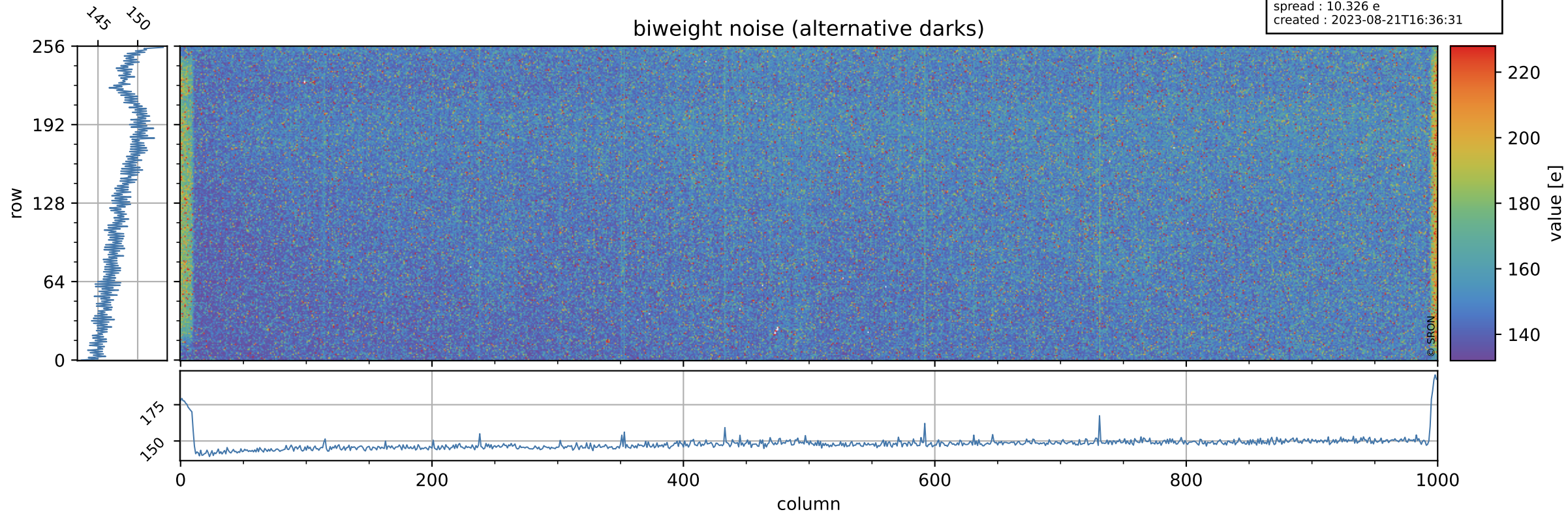
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.84 e  
spread : 10.326 e  
created : 2023-08-21T16:36:31

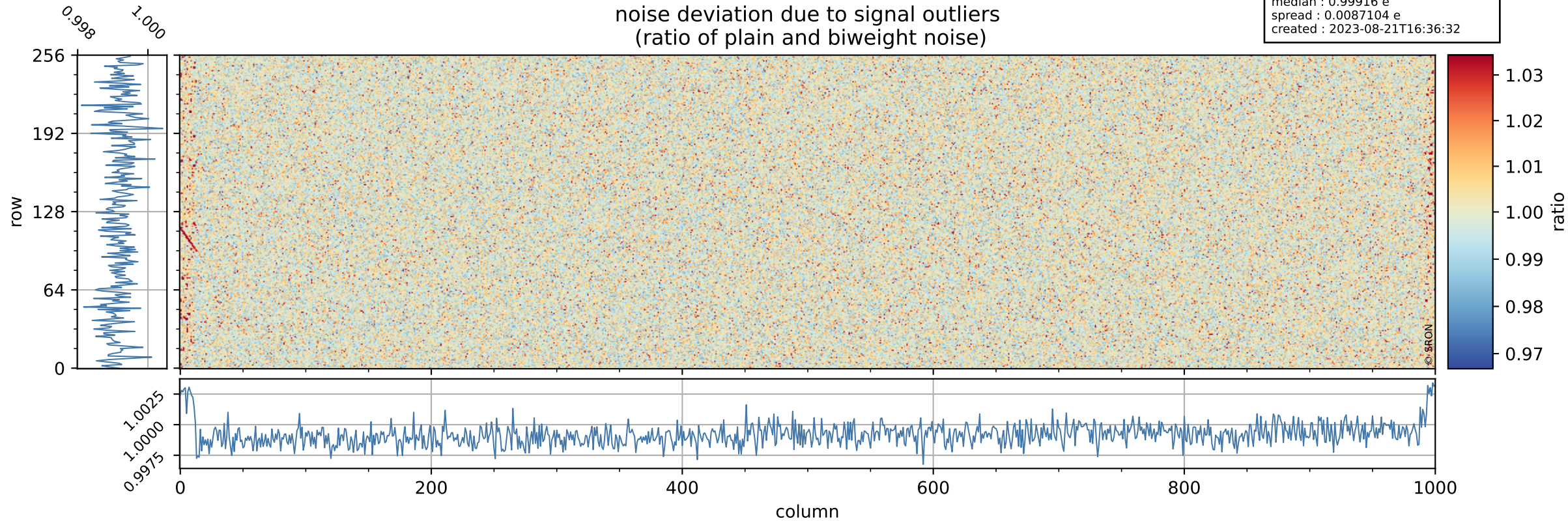
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

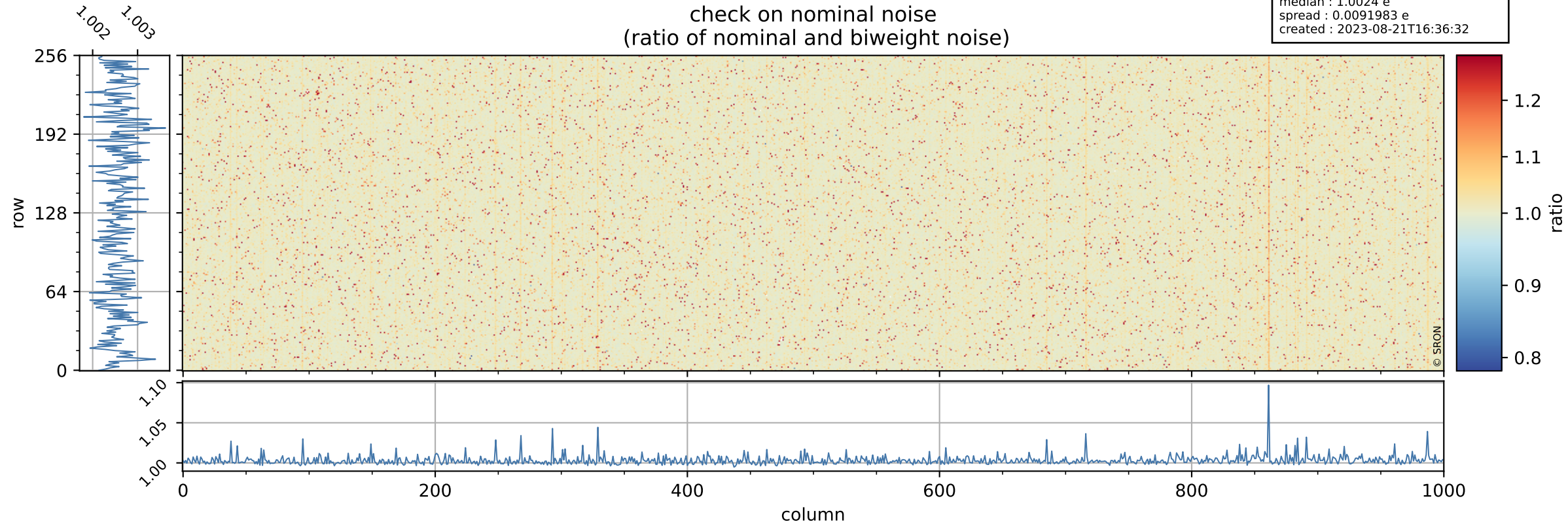
orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
median : 0.99916 e  
spread : 0.0087104 e  
created : 2023-08-21T16:36:32



# Tropomi SWIR background noise (swir)

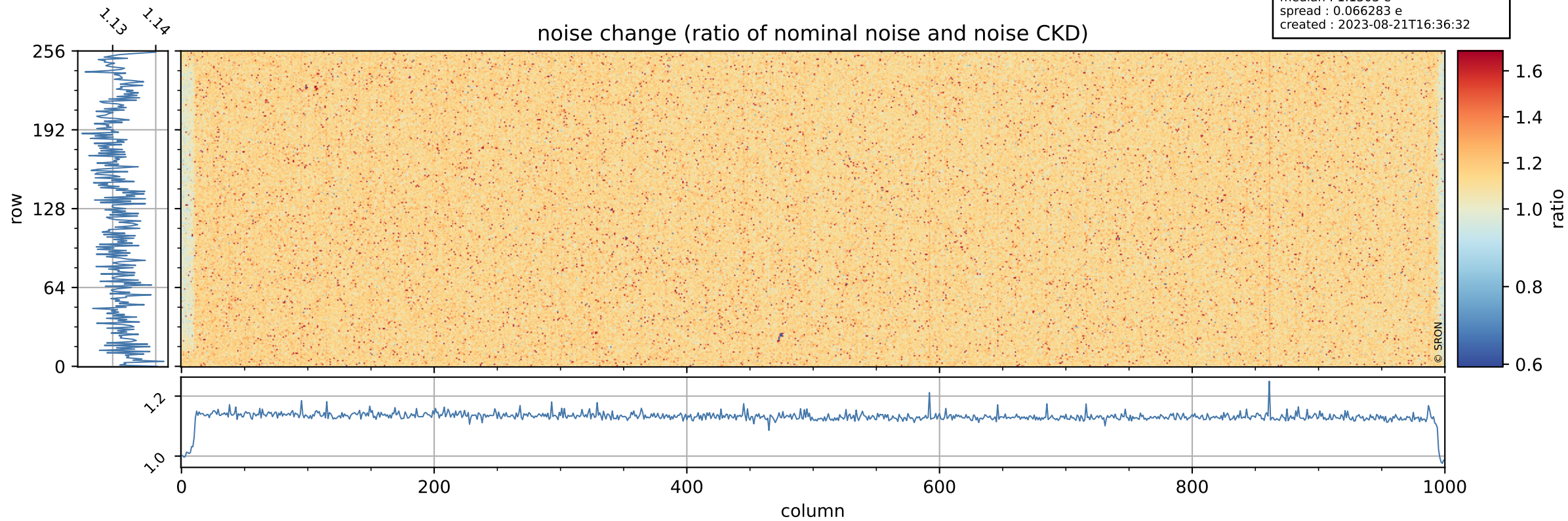
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
median : 1.0024 e  
spread : 0.0091983 e  
created : 2023-08-21T16:36:32



# Tropomi SWIR background noise (swir)

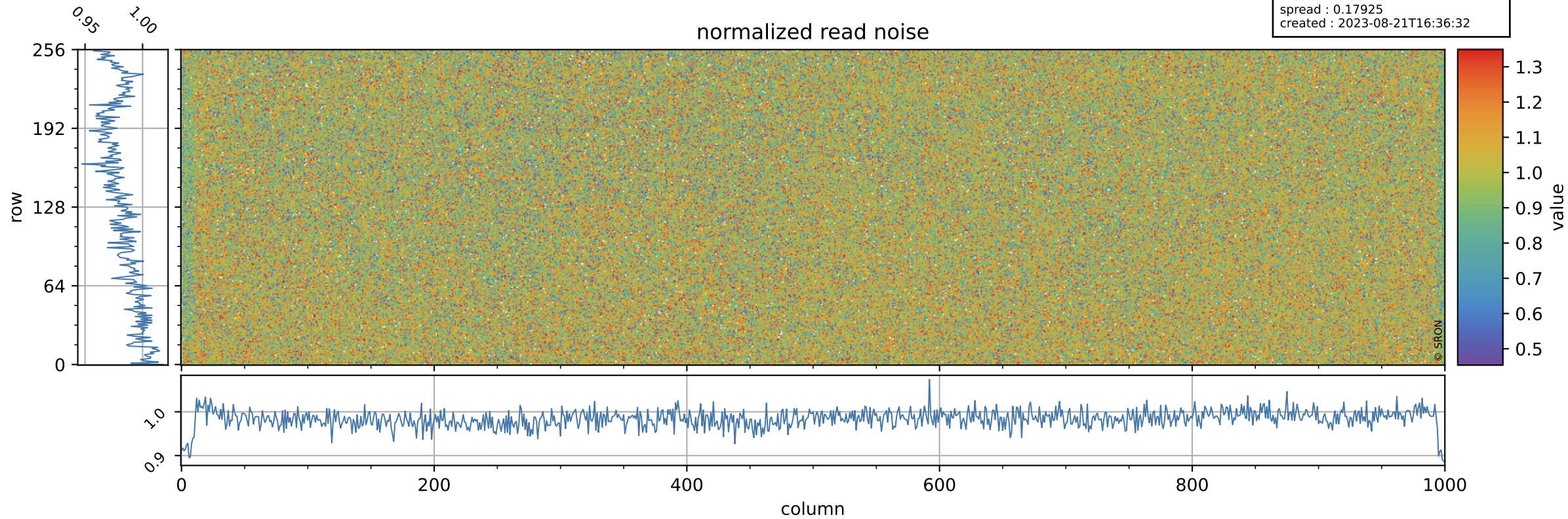
orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
median : 1.1303 e  
spread : 0.066283 e  
created : 2023-08-21T16:36:32



# Tropomi SWIR background noise (swir)

orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
median : 0.98223  
spread : 0.17925  
created : 2023-08-21T16:36:32

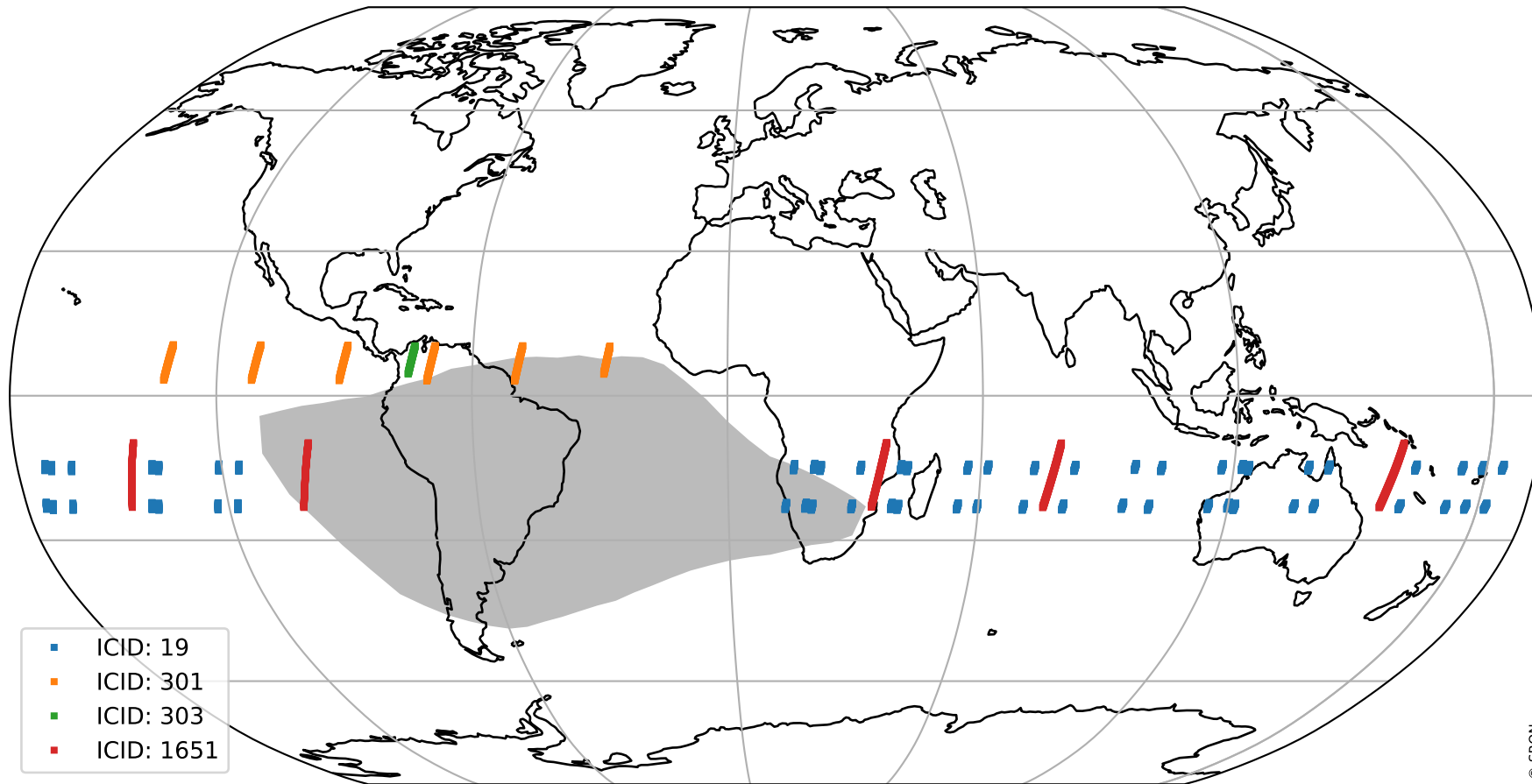
normalized read noise





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

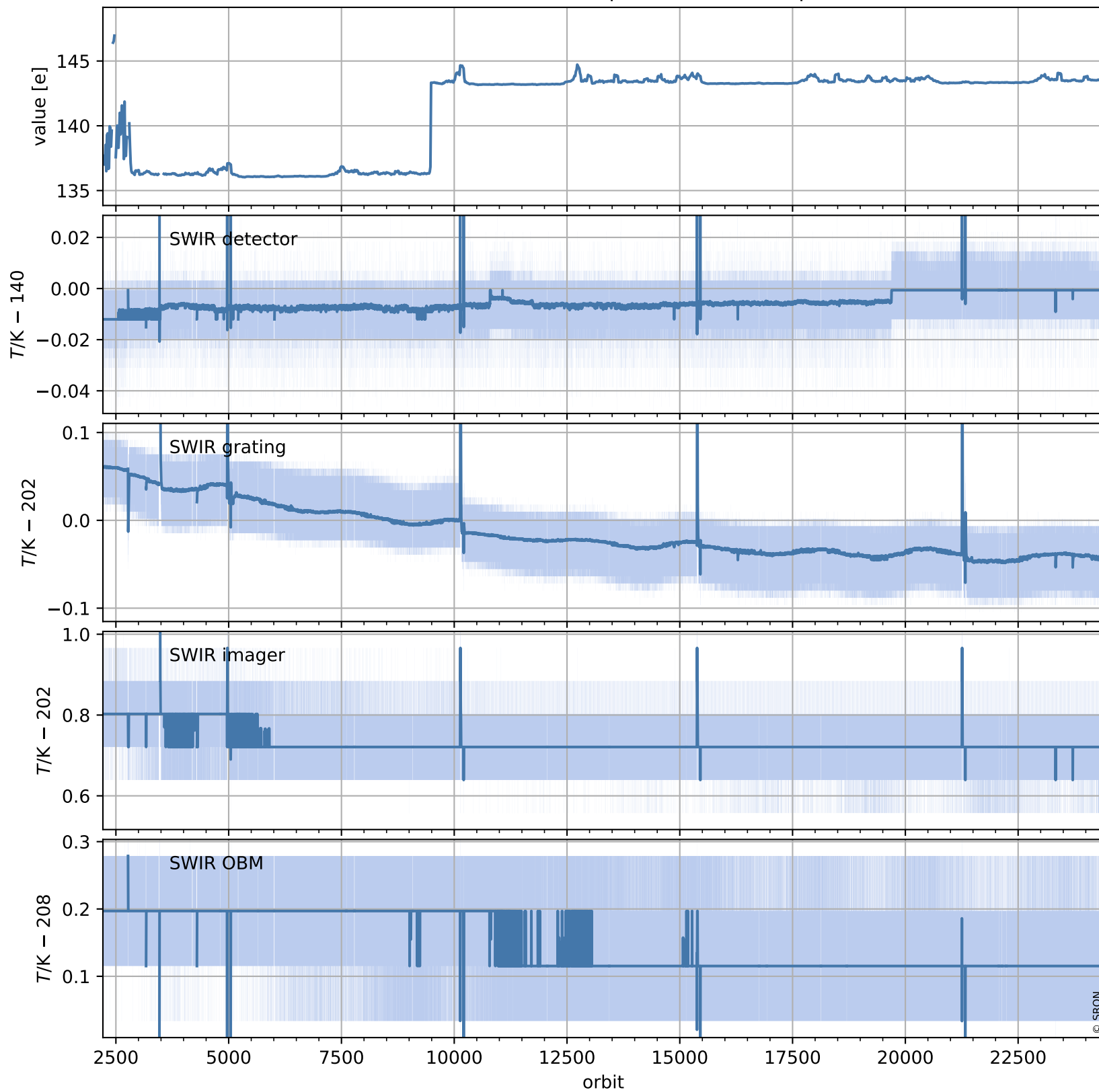
orbits : 12 in [24322, 24397]  
coverage : 2022-06-23 / 2022-06-28  
created : 2023-08-21T16:36:33



# Tropomi SWIR background noise (swir)

orbits : [2212, 24397]  
coverage : 2018-03-18 / 2022-06-28  
created : 2023-08-21T16:36:33

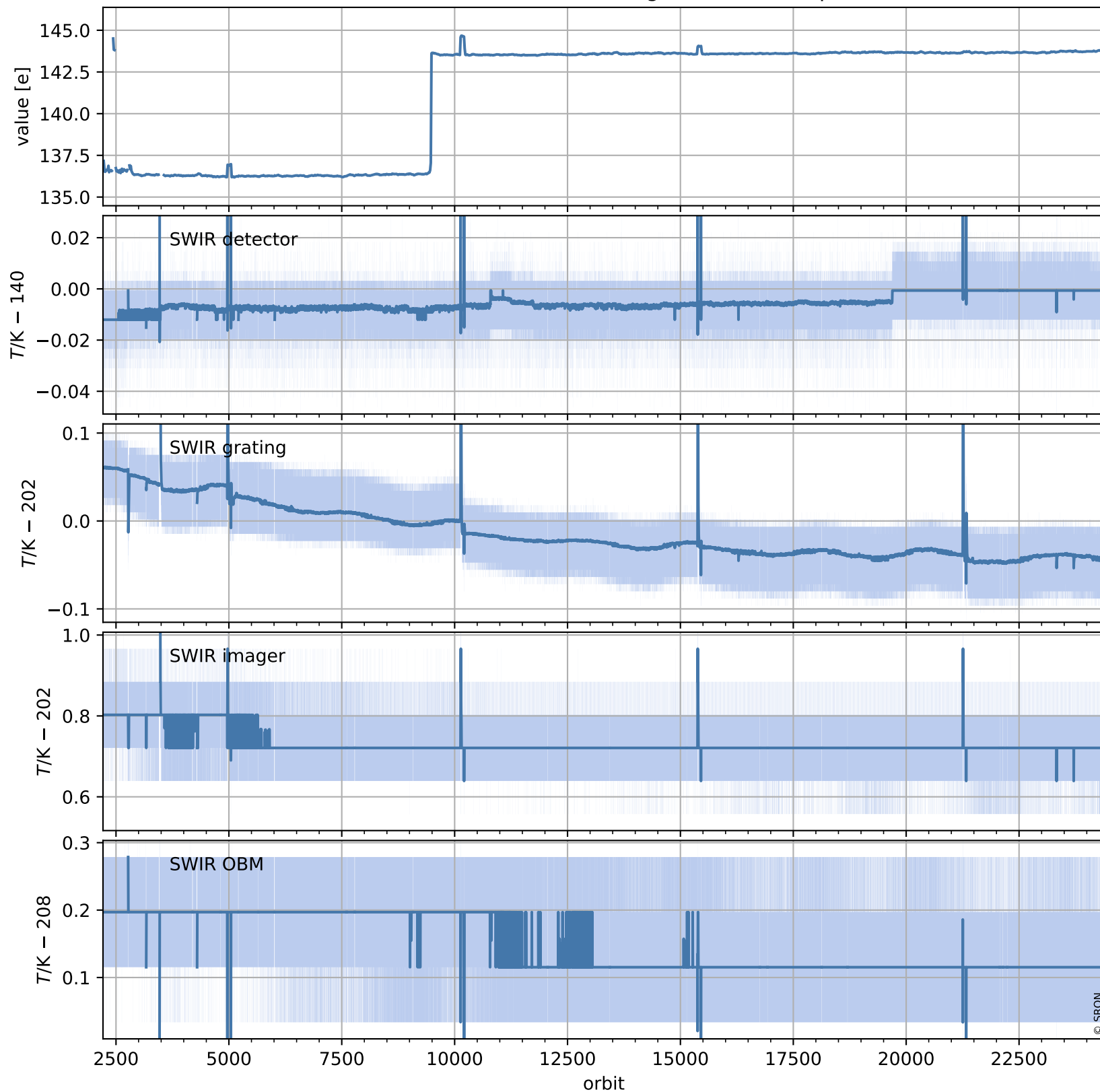
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24397]  
coverage : 2018-03-18 / 2022-06-28  
created : 2023-08-21T16:36:34

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24397]  
coverage : 2018-03-18 / 2022-06-28  
created : 2023-08-21T16:36:35

## trend of normalized read-noise & temperatures

