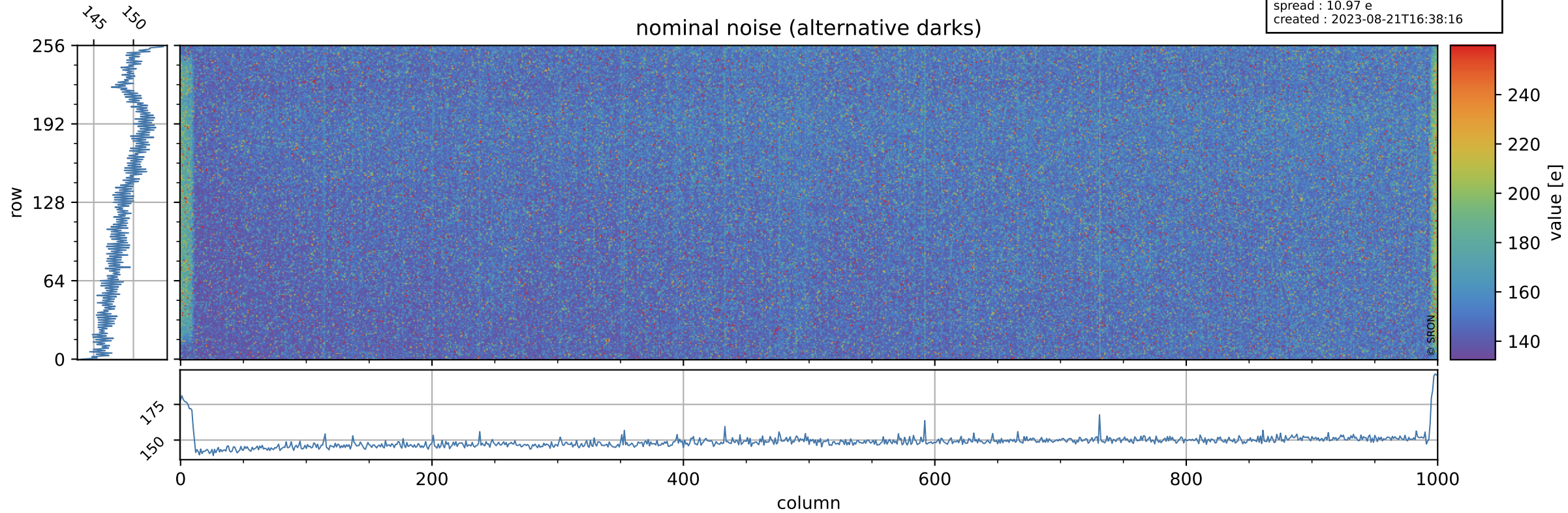


# Tropomi SWIR background noise (swir)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.75 e  
spread : 10.97 e  
created : 2023-08-21T16:38:16

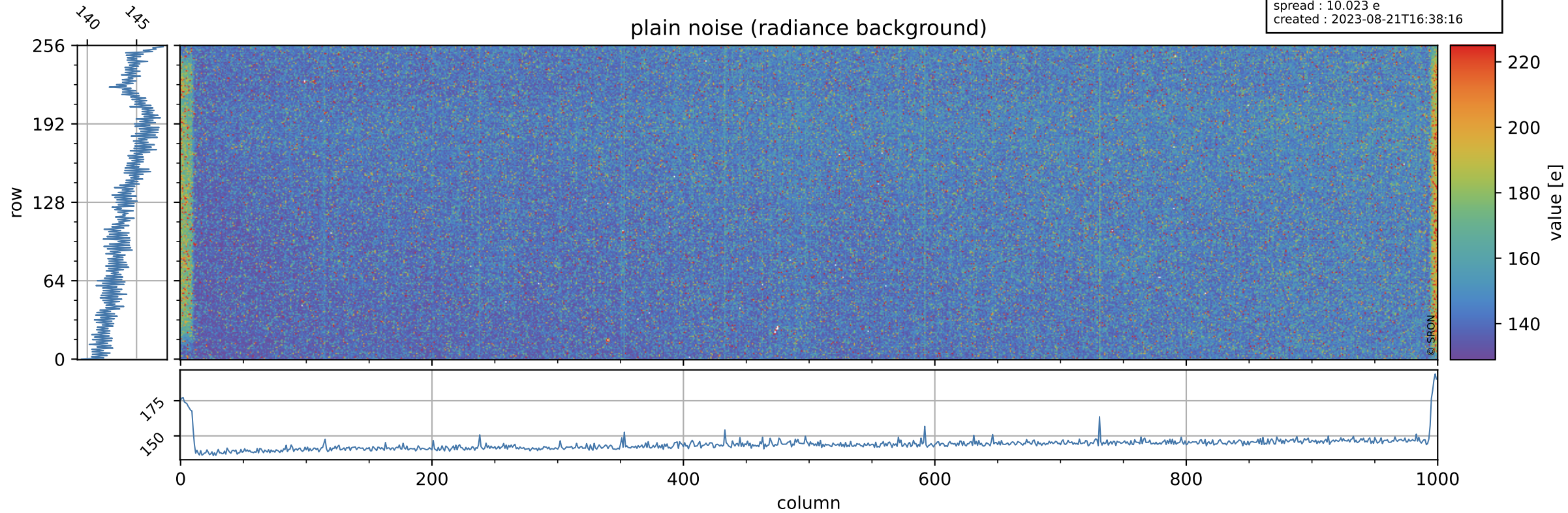
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 10.023 e  
created : 2023-08-21T16:38:16

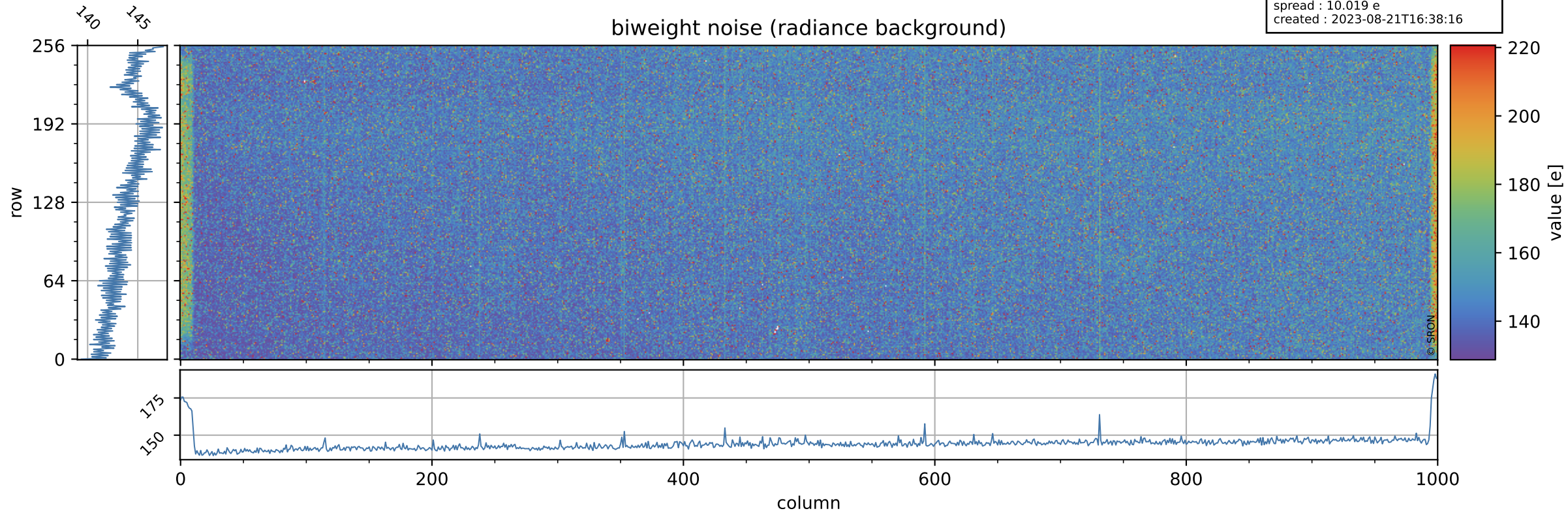
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.88 e  
spread : 10.019 e  
created : 2023-08-21T16:38:16

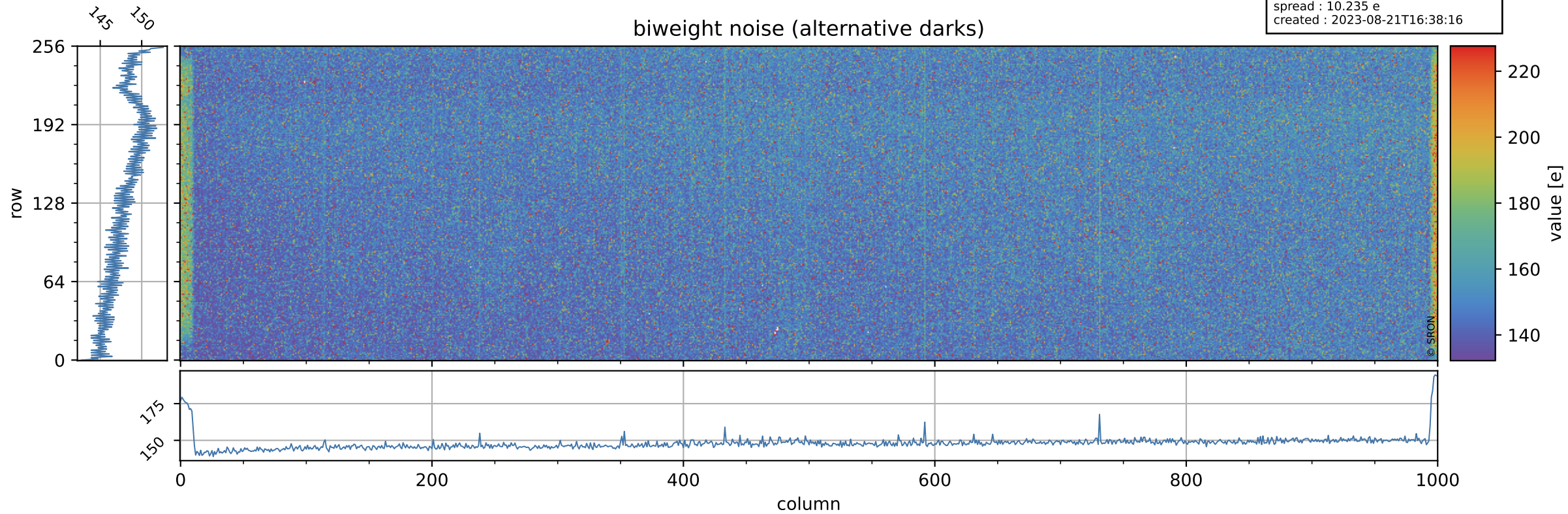
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.235 e  
created : 2023-08-21T16:38:16

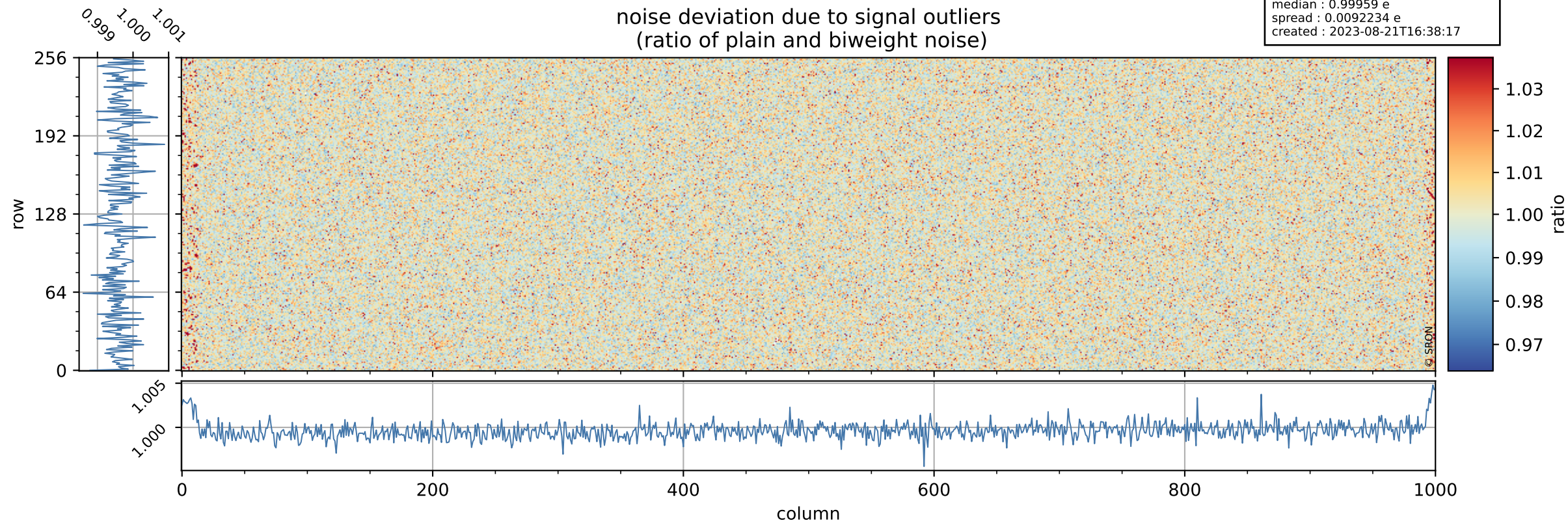
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

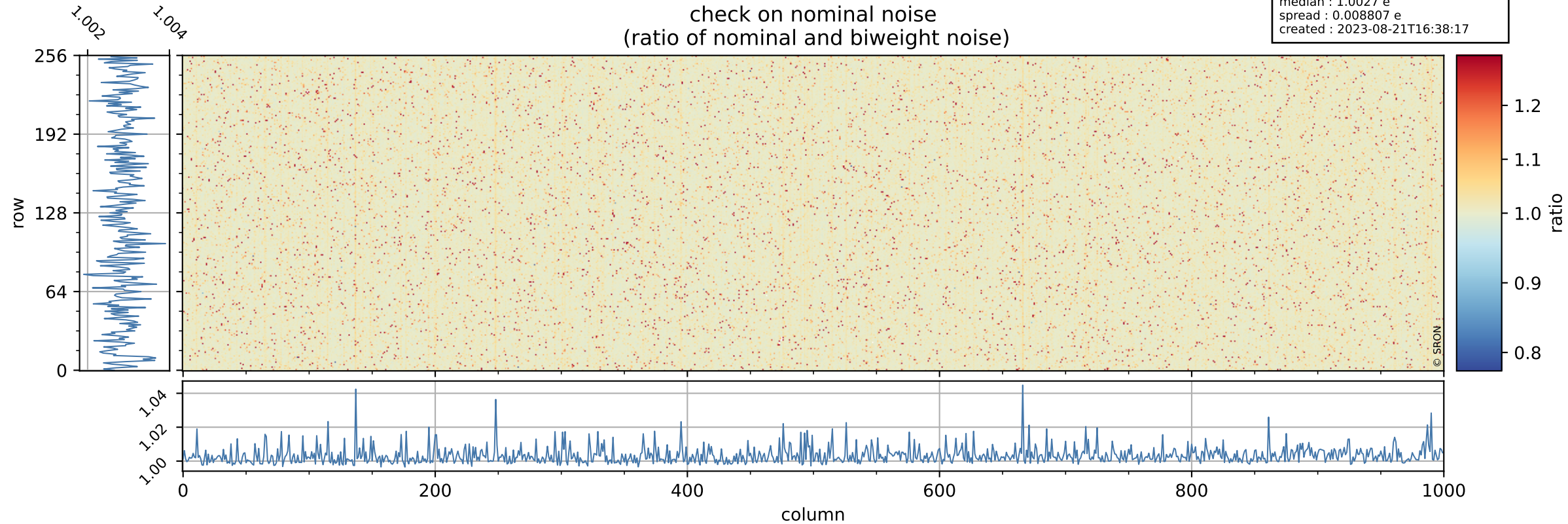
orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
median : 0.99959 e  
spread : 0.0092234 e  
created : 2023-08-21T16:38:17



# Tropomi SWIR background noise (swir)

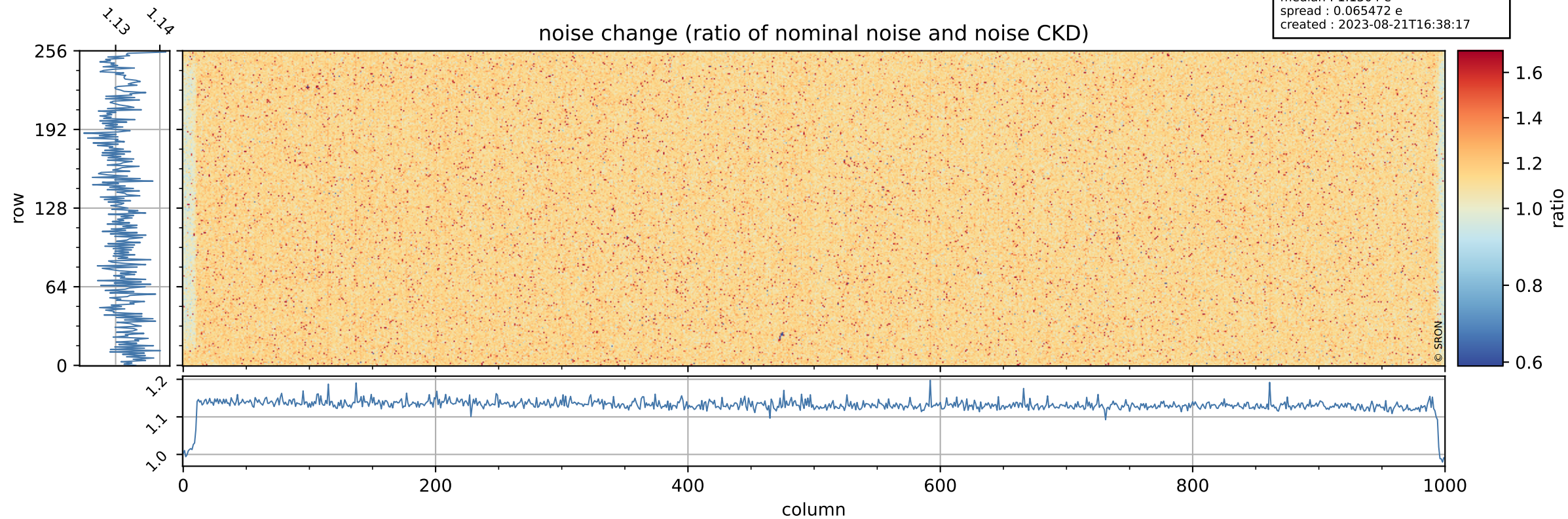
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
median : 1.0027 e  
spread : 0.008807 e  
created : 2023-08-21T16:38:17



# Tropomi SWIR background noise (swir)

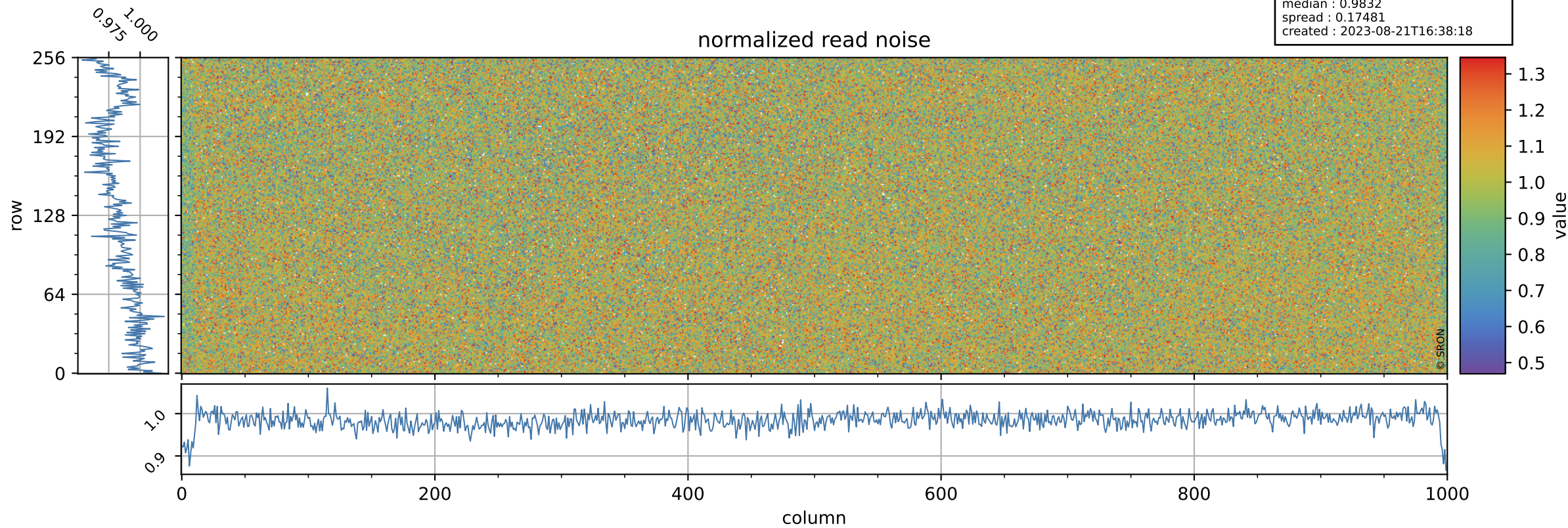
orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
median : 1.1304 e  
spread : 0.065472 e  
created : 2023-08-21T16:38:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
median : 0.9832  
spread : 0.17481  
created : 2023-08-21T16:38:18

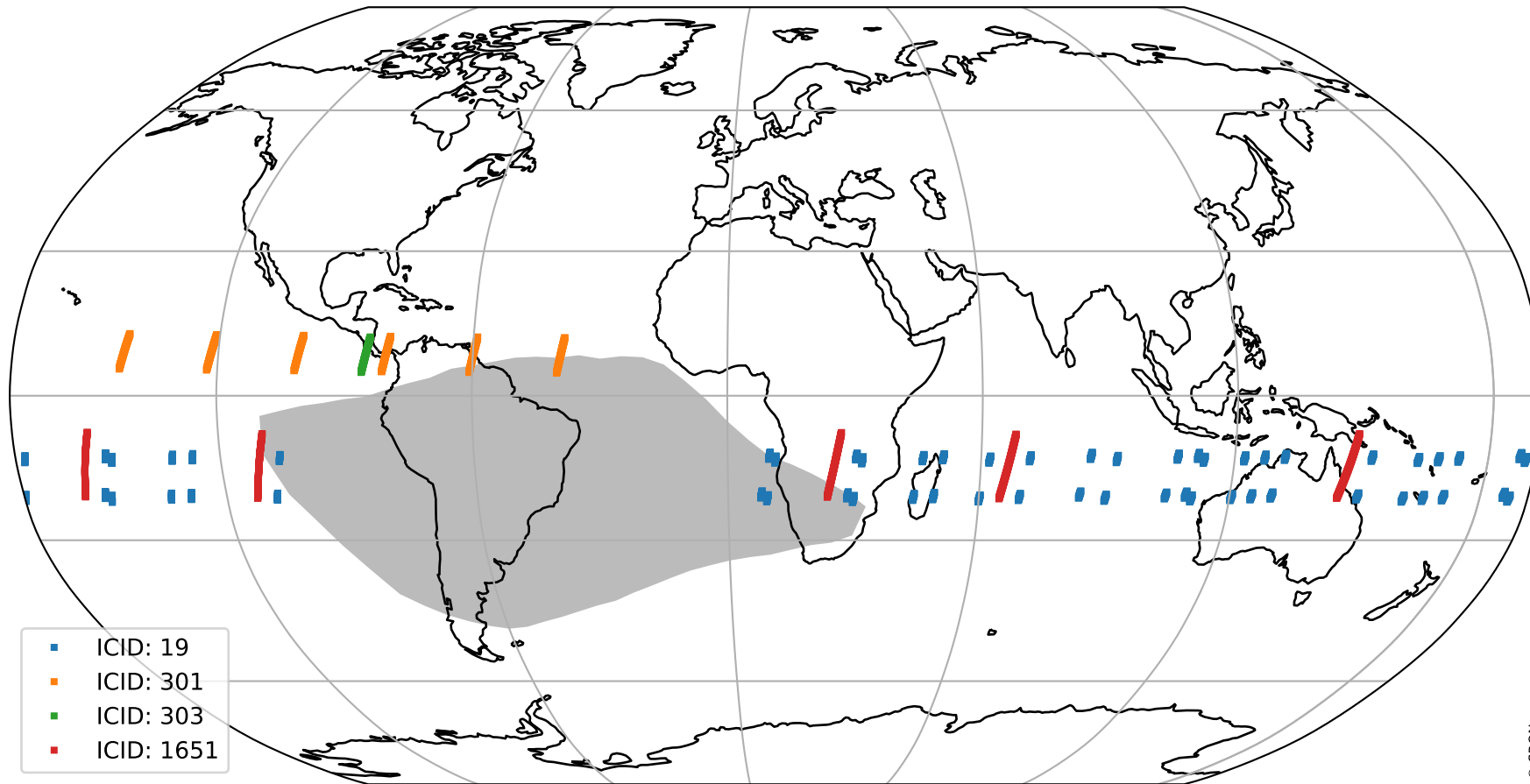
normalized read noise





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

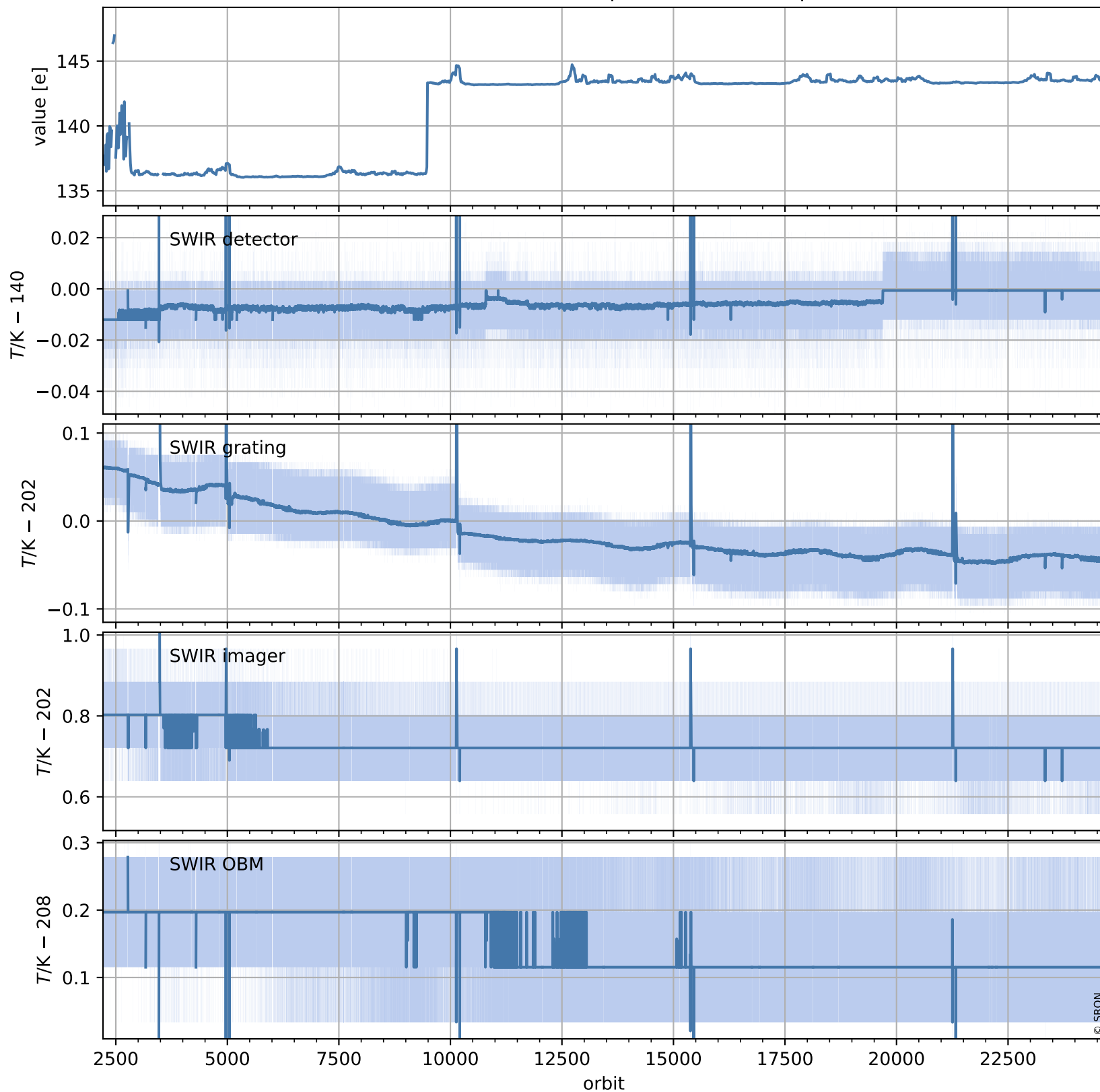
orbits : 12 in [24592, 24667]  
coverage : 2022-07-12 / 2022-07-17  
created : 2023-08-21T16:38:18



# Tropomi SWIR background noise (swir)

orbits : [2212, 24667]  
coverage : 2018-03-18 / 2022-07-17  
created : 2023-08-21T16:38:18

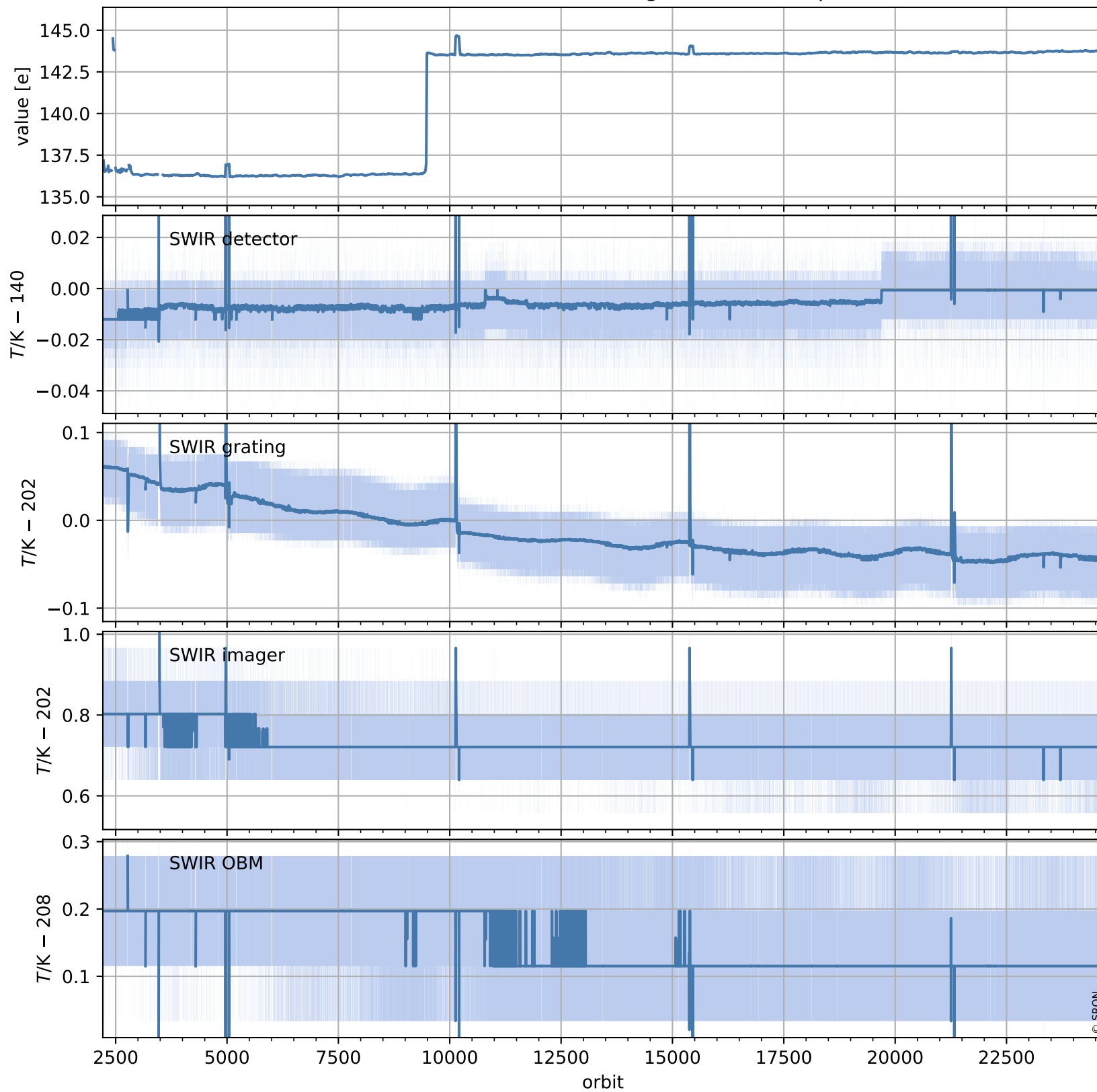
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24667]  
coverage : 2018-03-18 / 2022-07-17  
created : 2023-08-21T16:38:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24667]  
coverage : 2018-03-18 / 2022-07-17  
created : 2023-08-21T16:38:20

## trend of normalized read-noise & temperatures

