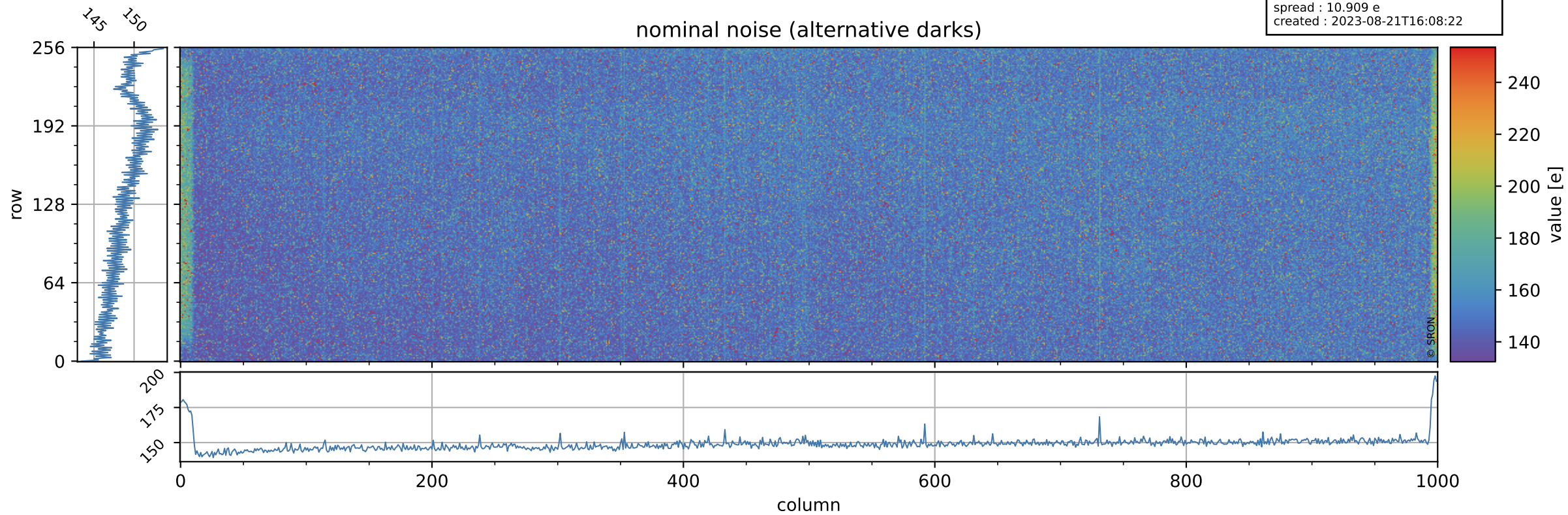


# Tropomi SWIR background noise (swir)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.7 e  
spread : 10.909 e  
created : 2023-08-21T16:08:22

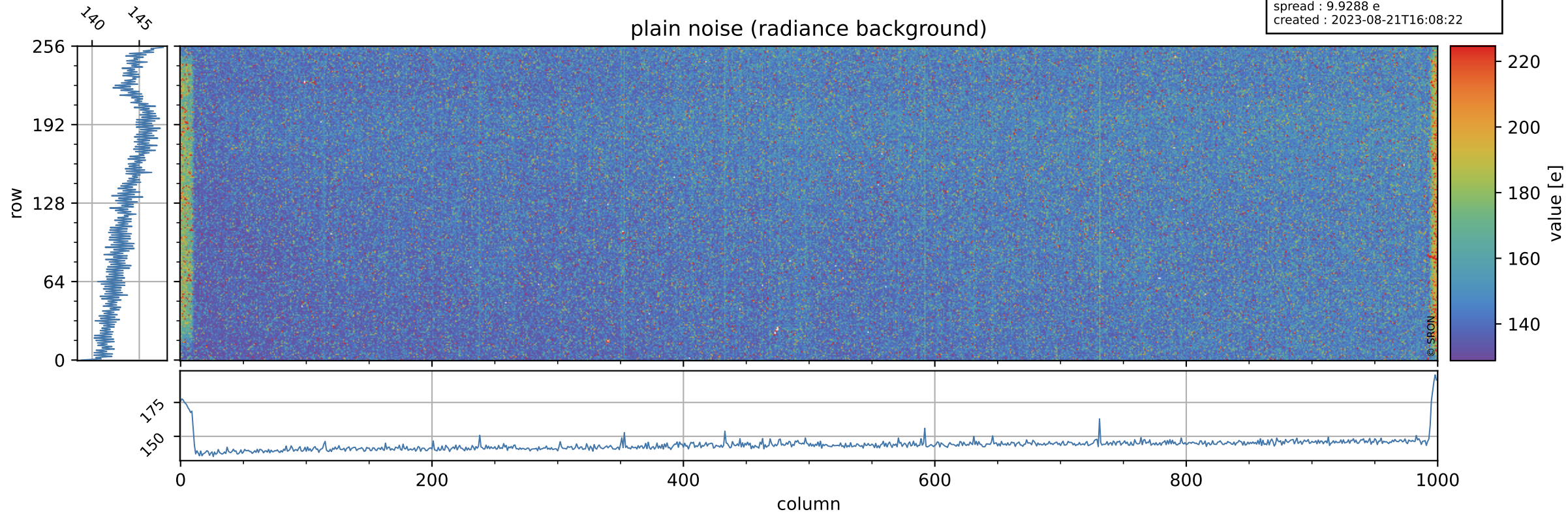
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.61 e  
spread : 9.9288 e  
created : 2023-08-21T16:08:22

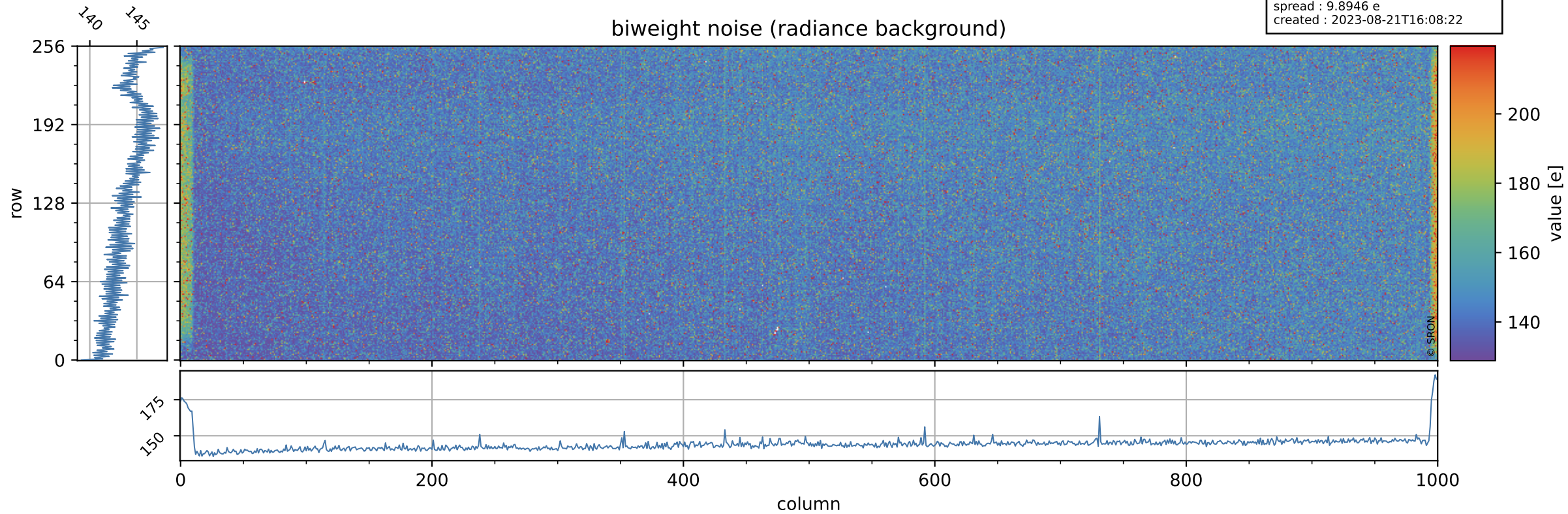
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.8946 e  
created : 2023-08-21T16:08:22

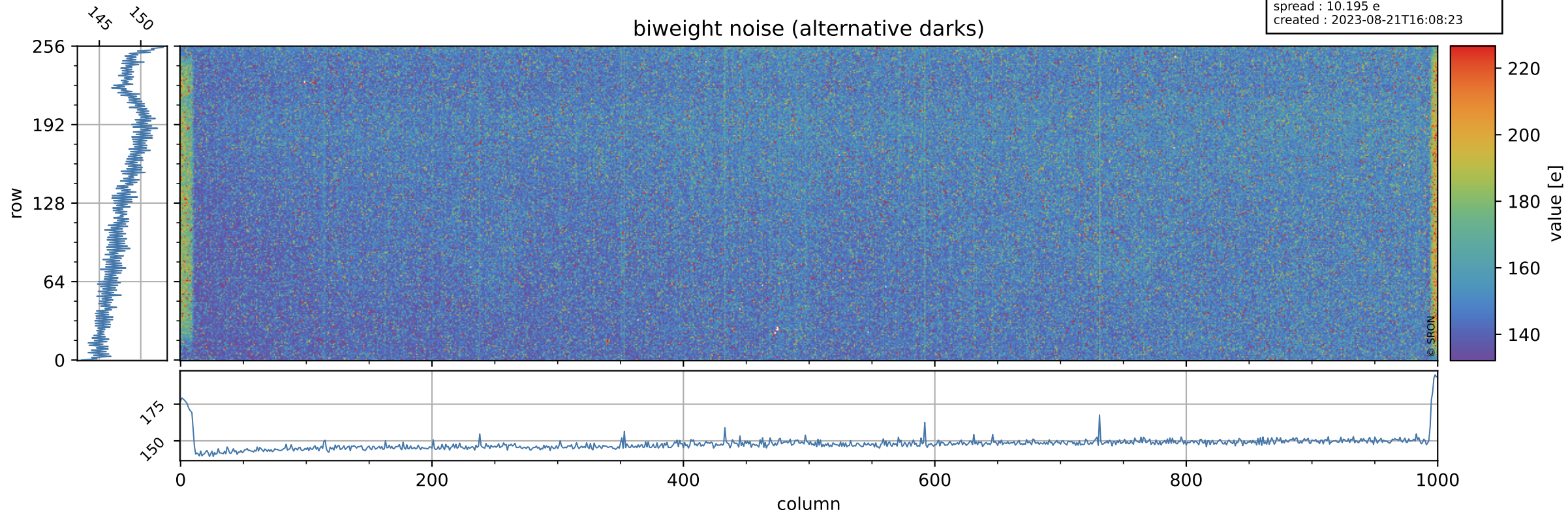
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.195 e  
created : 2023-08-21T16:08:23

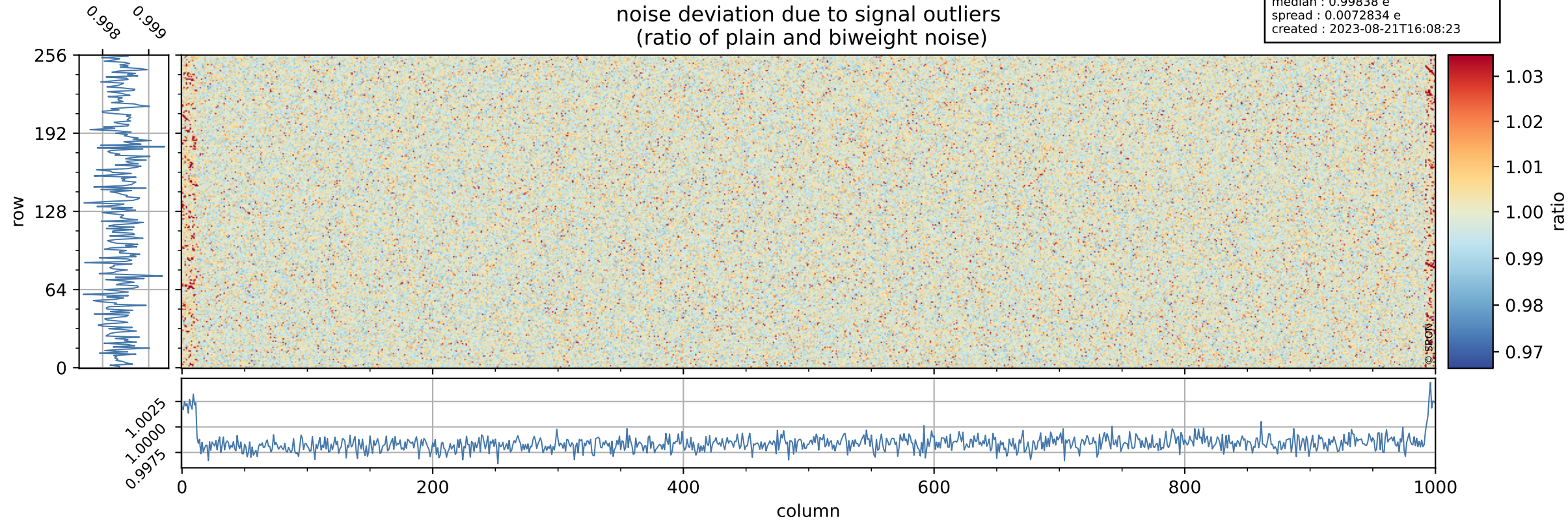
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

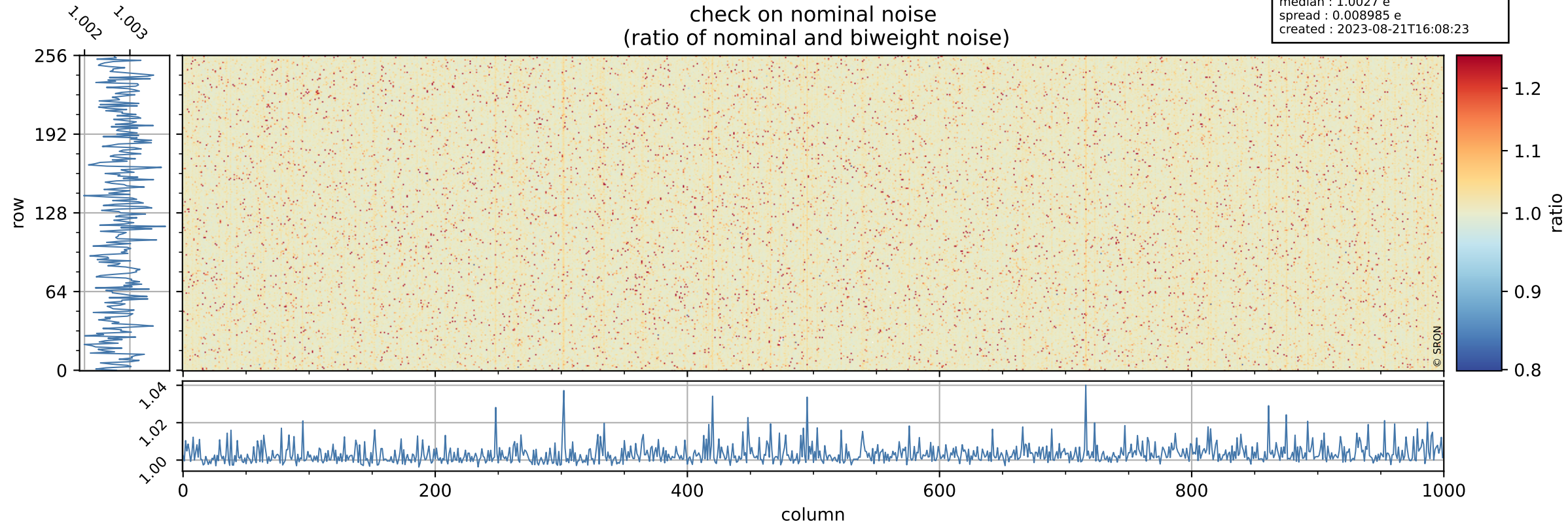
orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
median : 0.99838 e  
spread : 0.0072834 e  
created : 2023-08-21T16:08:23



# Tropomi SWIR background noise (swir)

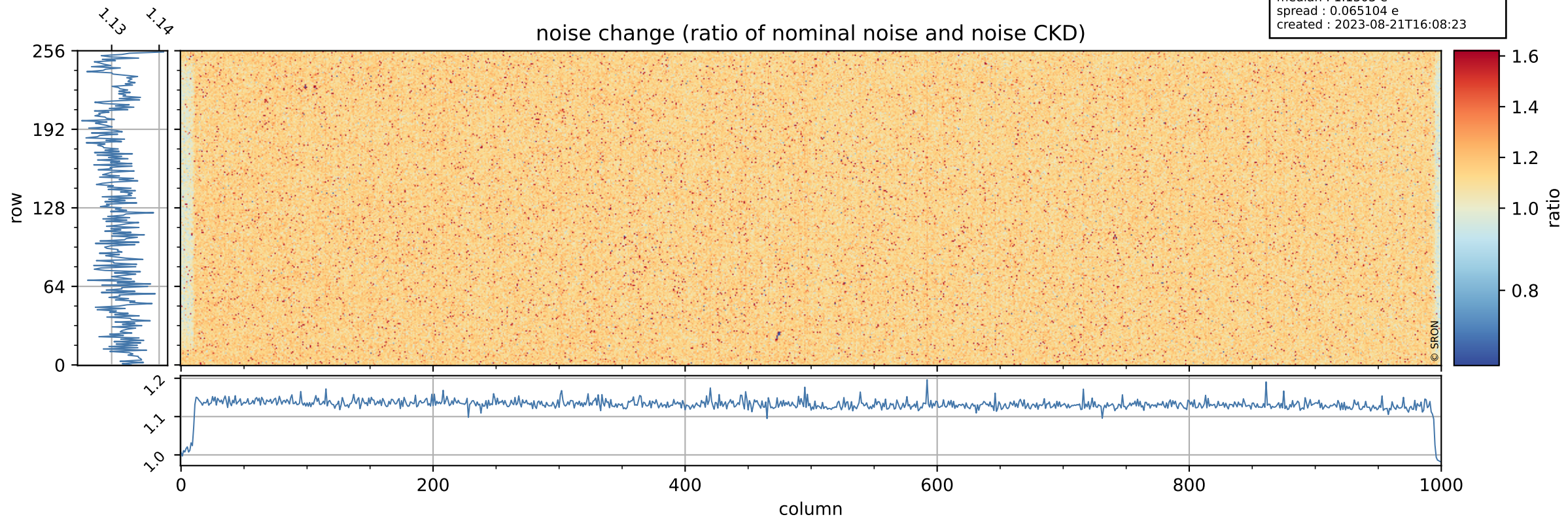
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
median : 1.0027 e  
spread : 0.008985 e  
created : 2023-08-21T16:08:23



# Tropomi SWIR background noise (swir)

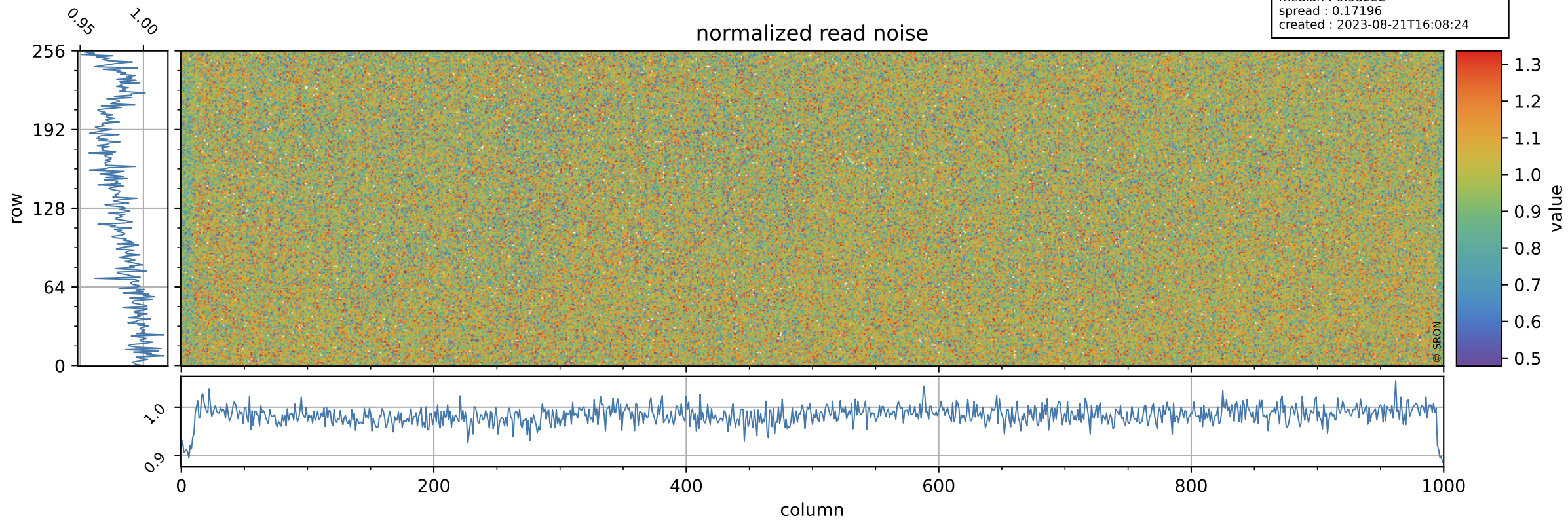
orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
median : 1.1303 e  
spread : 0.065104 e  
created : 2023-08-21T16:08:23



# Tropomi SWIR background noise (swir)

orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
median : 0.98222  
spread : 0.17196  
created : 2023-08-21T16:08:24

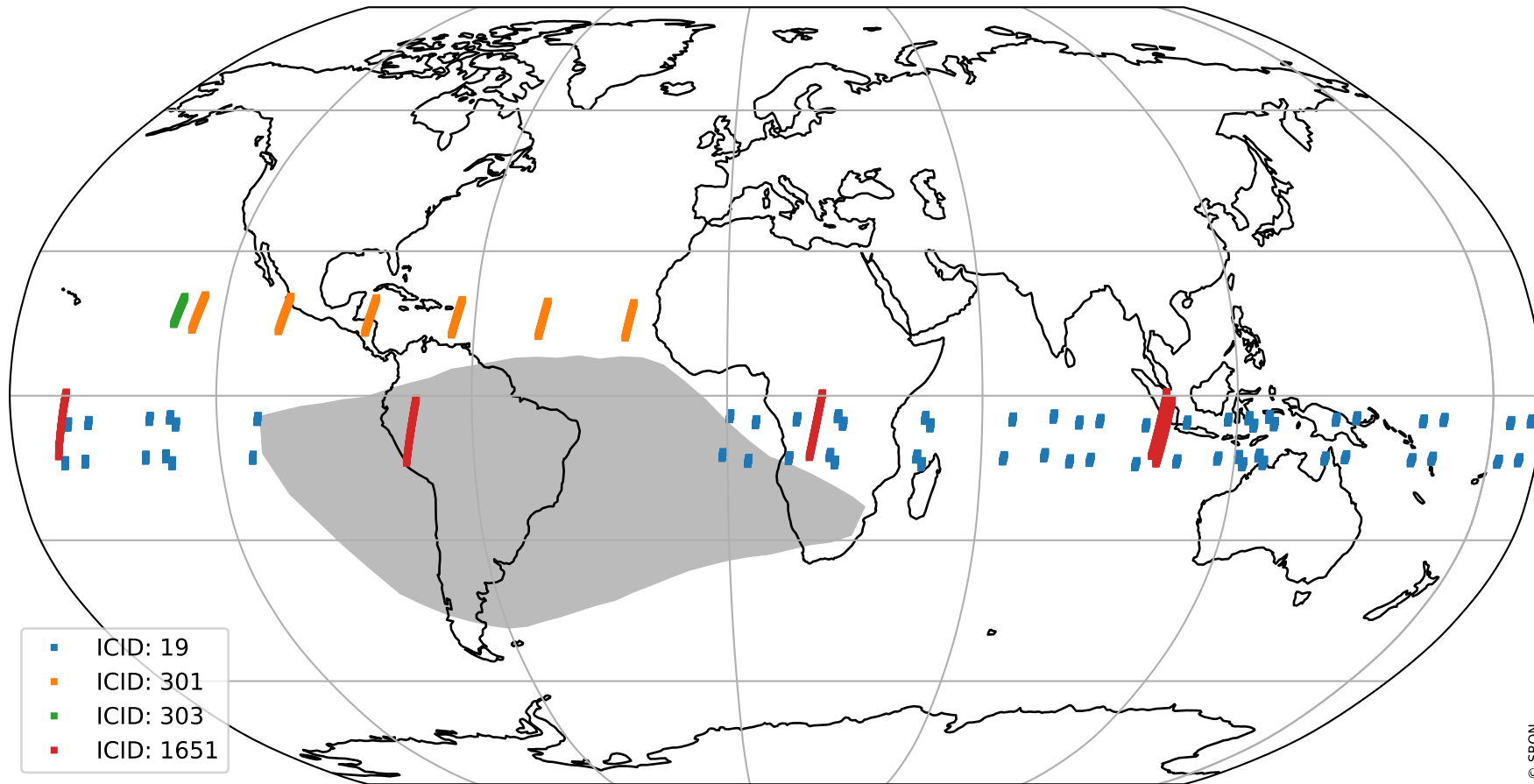
normalized read noise





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

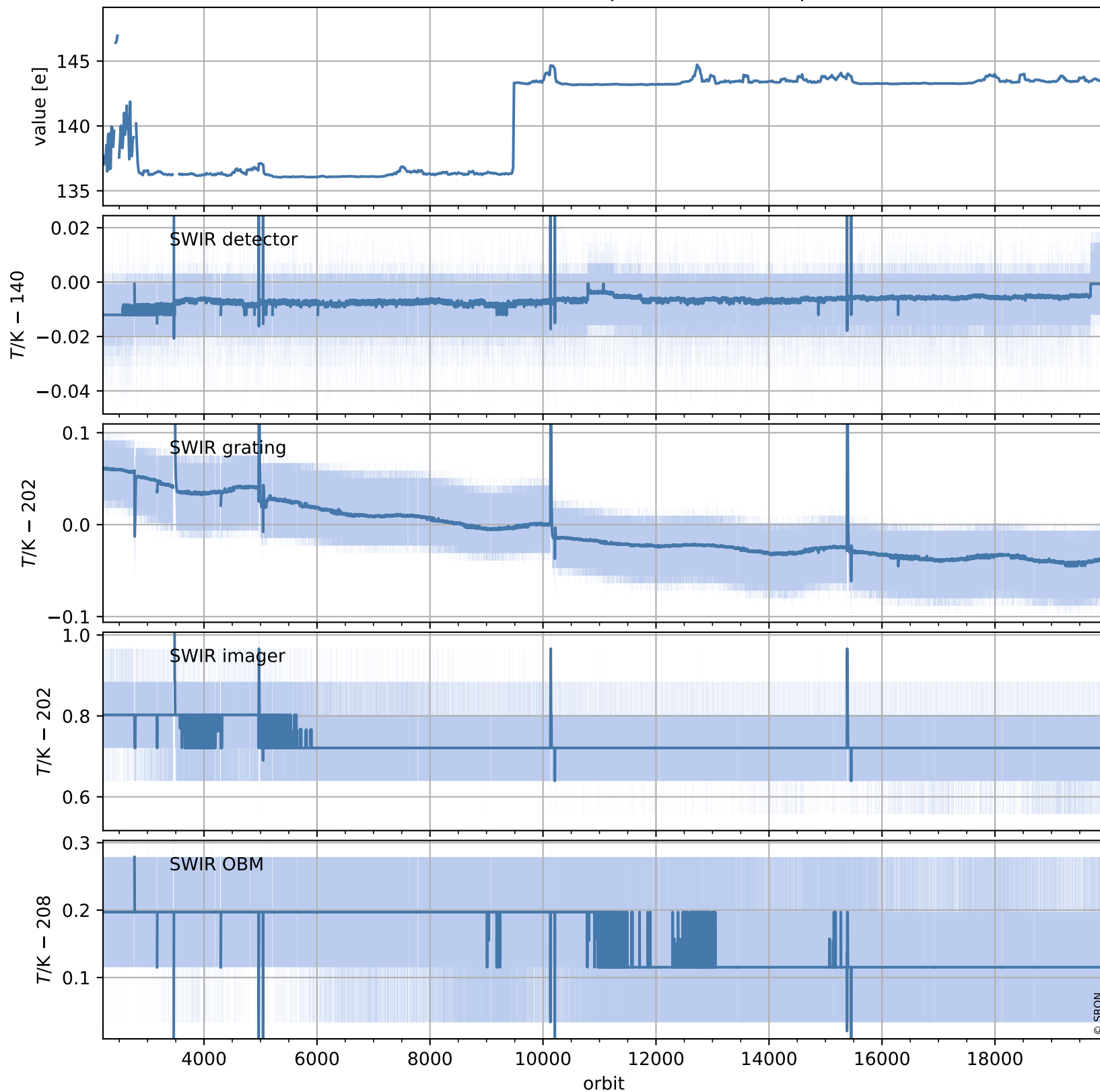
orbits : 12 in [19852, 19942]  
coverage : 2021-08-13 / 2021-08-18  
created : 2023-08-21T16:08:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 19942]  
coverage : 2018-03-18 / 2021-08-18  
created : 2023-08-21T16:08:25

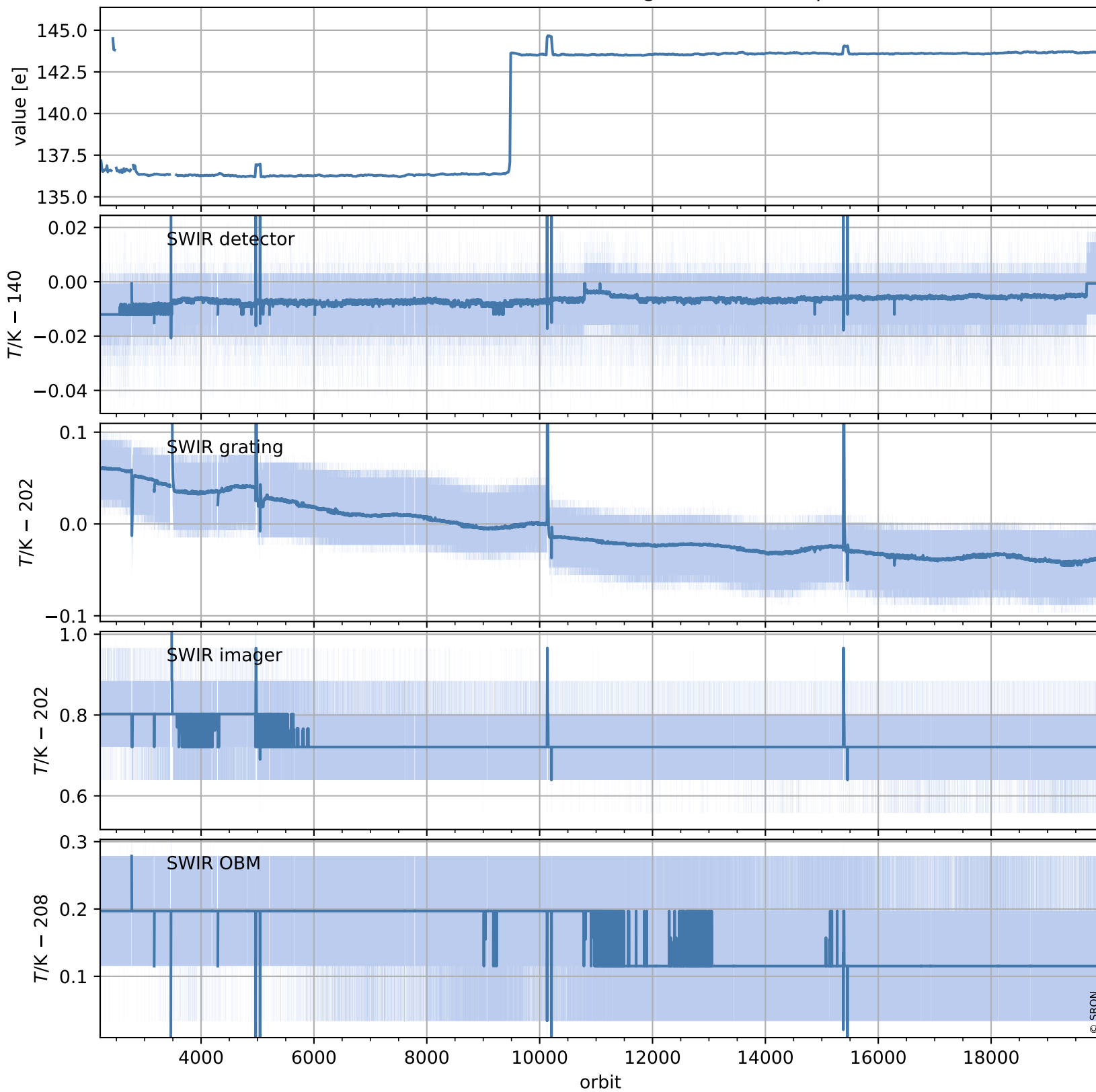
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19942]  
coverage : 2018-03-18 / 2021-08-18  
created : 2023-08-21T16:08:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19942]  
coverage : 2018-03-18 / 2021-08-18  
created : 2023-08-21T16:08:26

## trend of normalized read-noise & temperatures

