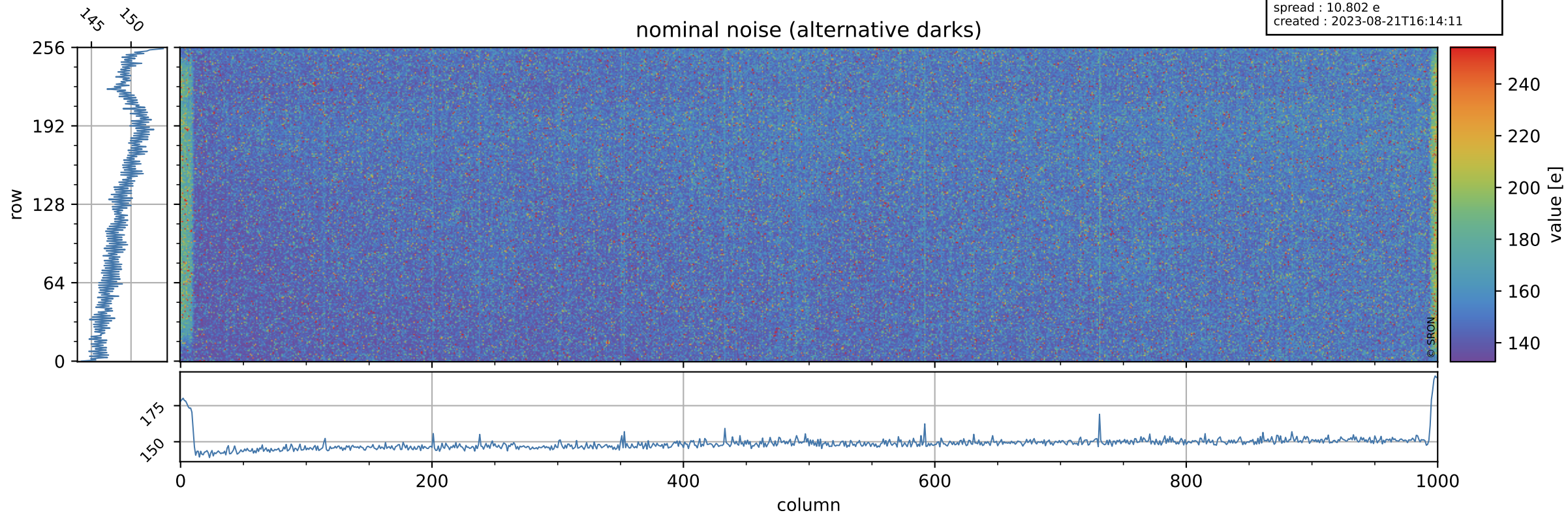


# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.65 e  
spread : 10.802 e  
created : 2023-08-21T16:14:11

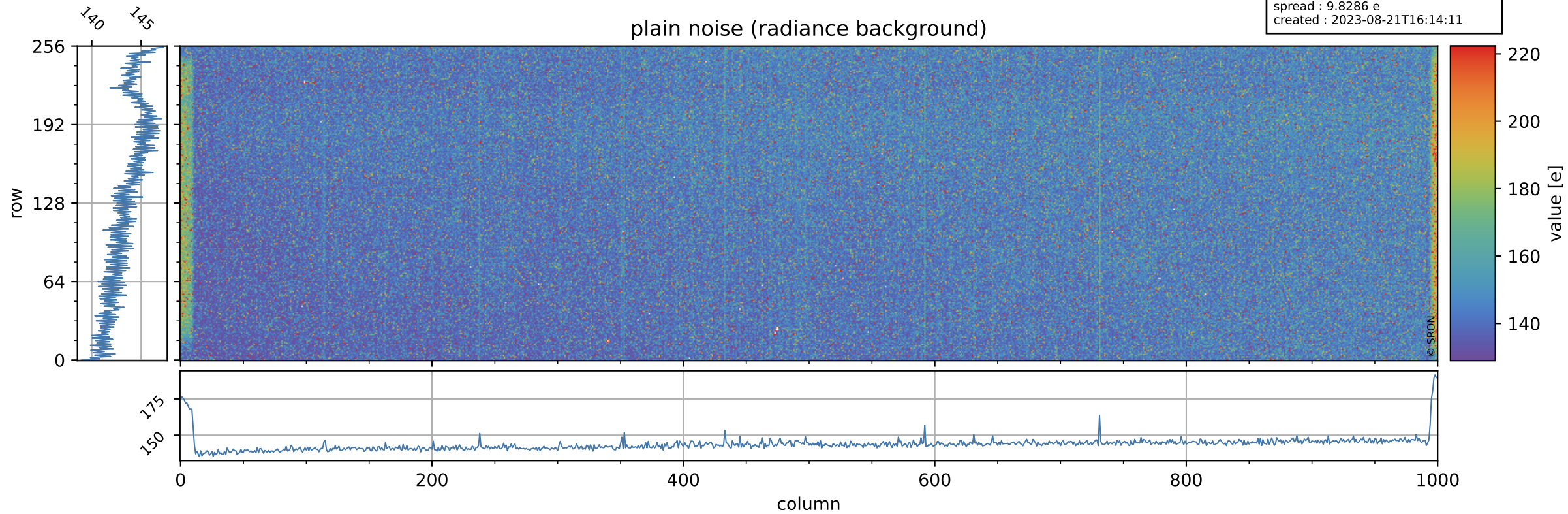
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.47 e  
spread : 9.8286 e  
created : 2023-08-21T16:14:11

plain noise (radiance background)

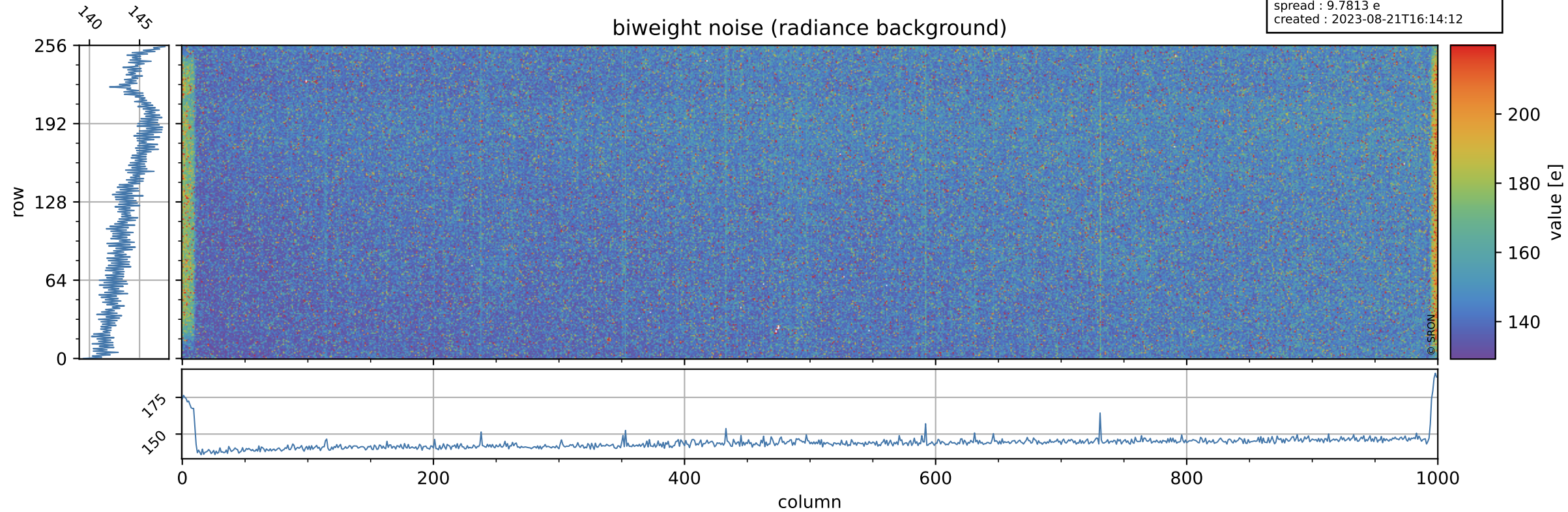




# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.7813 e  
created : 2023-08-21T16:14:12

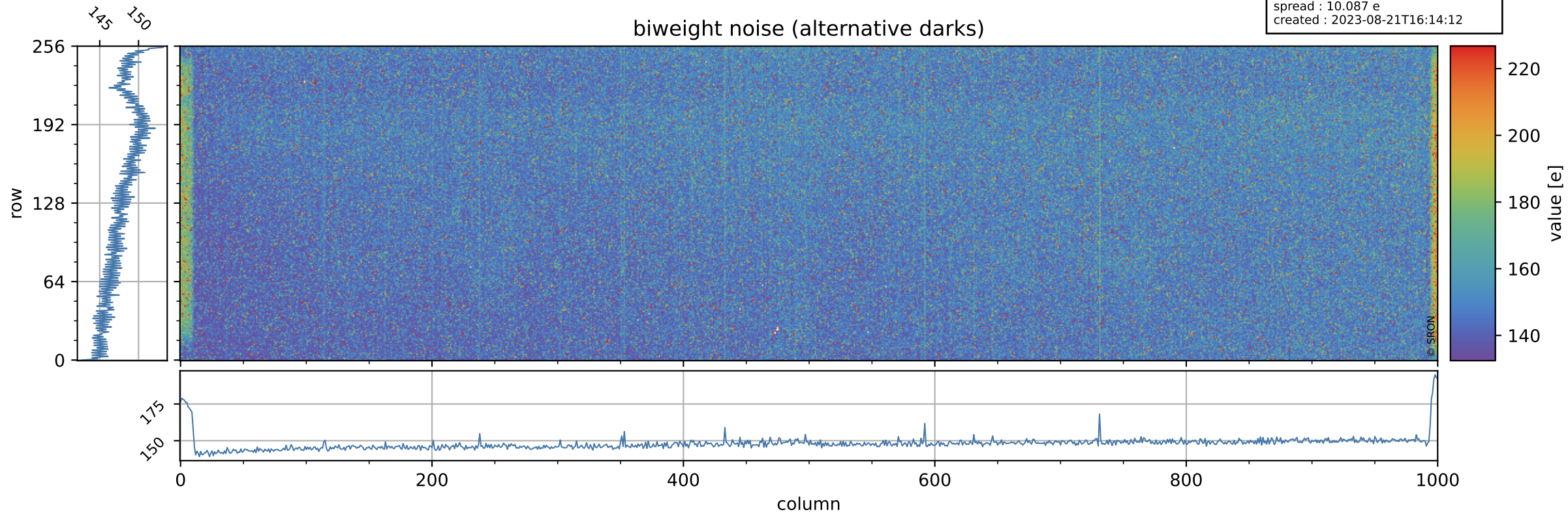
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.087 e  
created : 2023-08-21T16:14:12

## biweight noise (alternative darks)

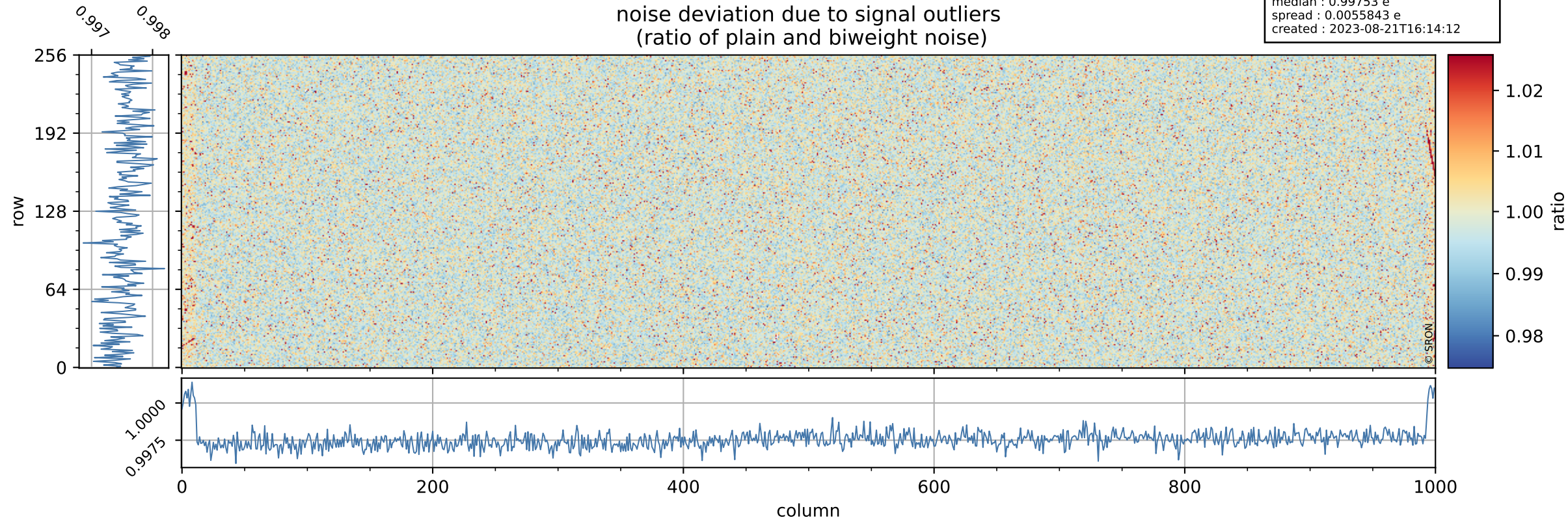




# Tropomi SWIR background noise (swir)

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

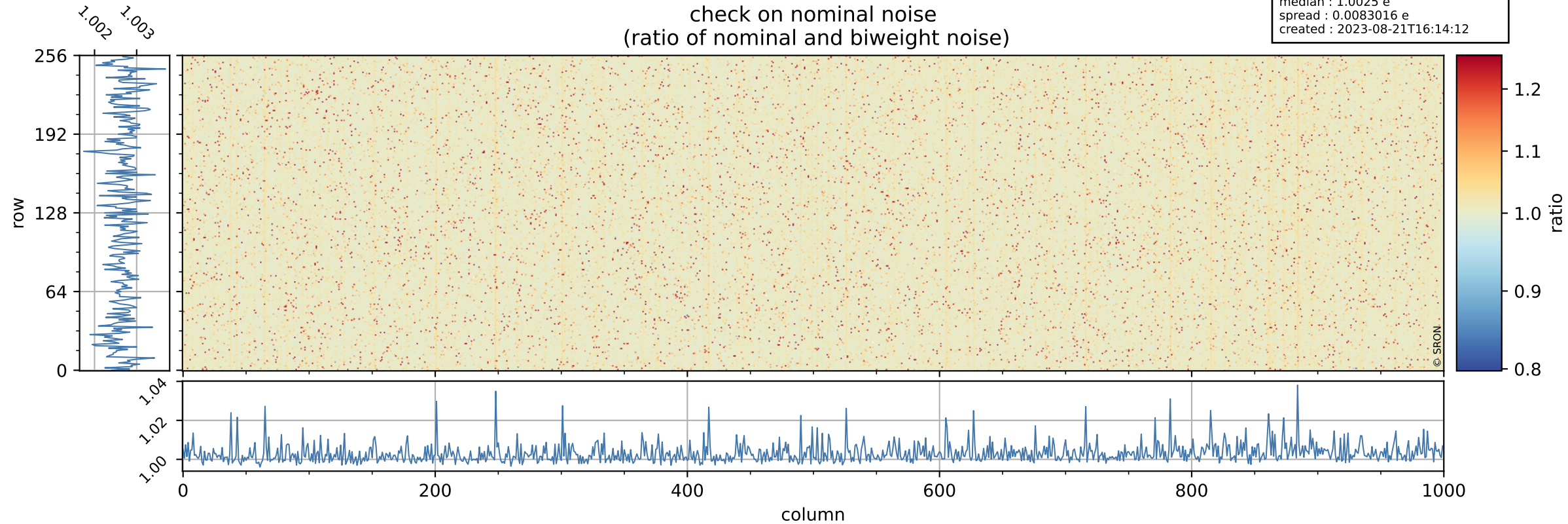
orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
median : 0.99753 e  
spread : 0.0055843 e  
created : 2023-08-21T16:14:12



# Tropomi SWIR background noise (swir)

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

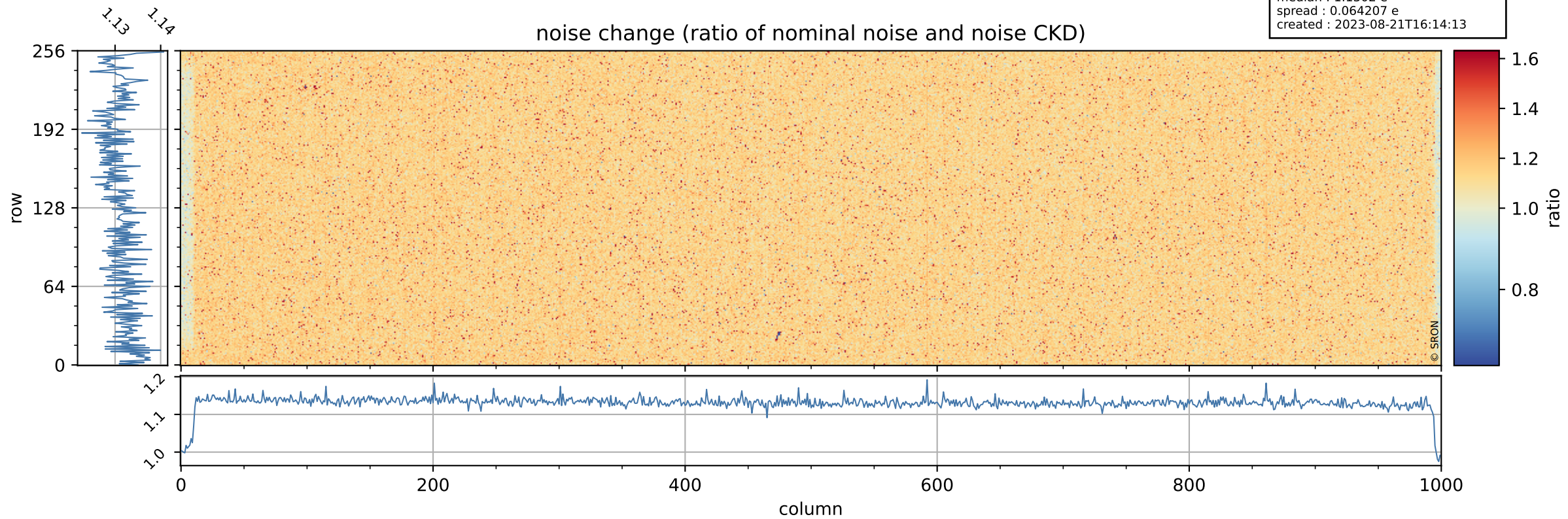
orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
median : 1.0025 e  
spread : 0.0083016 e  
created : 2023-08-21T16:14:12





# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
median : 1.1302 e  
spread : 0.064207 e  
created : 2023-08-21T16:14:13

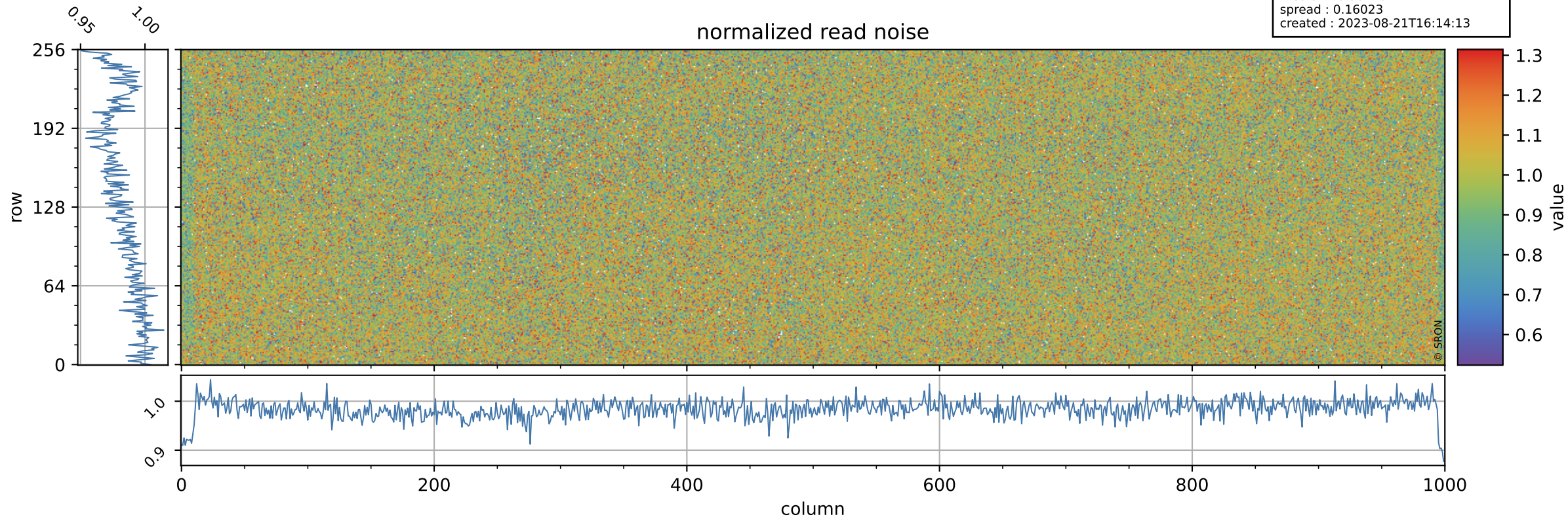




# Tropomi SWIR background noise (swir)

orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
median : 0.98279  
spread : 0.16023  
created : 2023-08-21T16:14:13

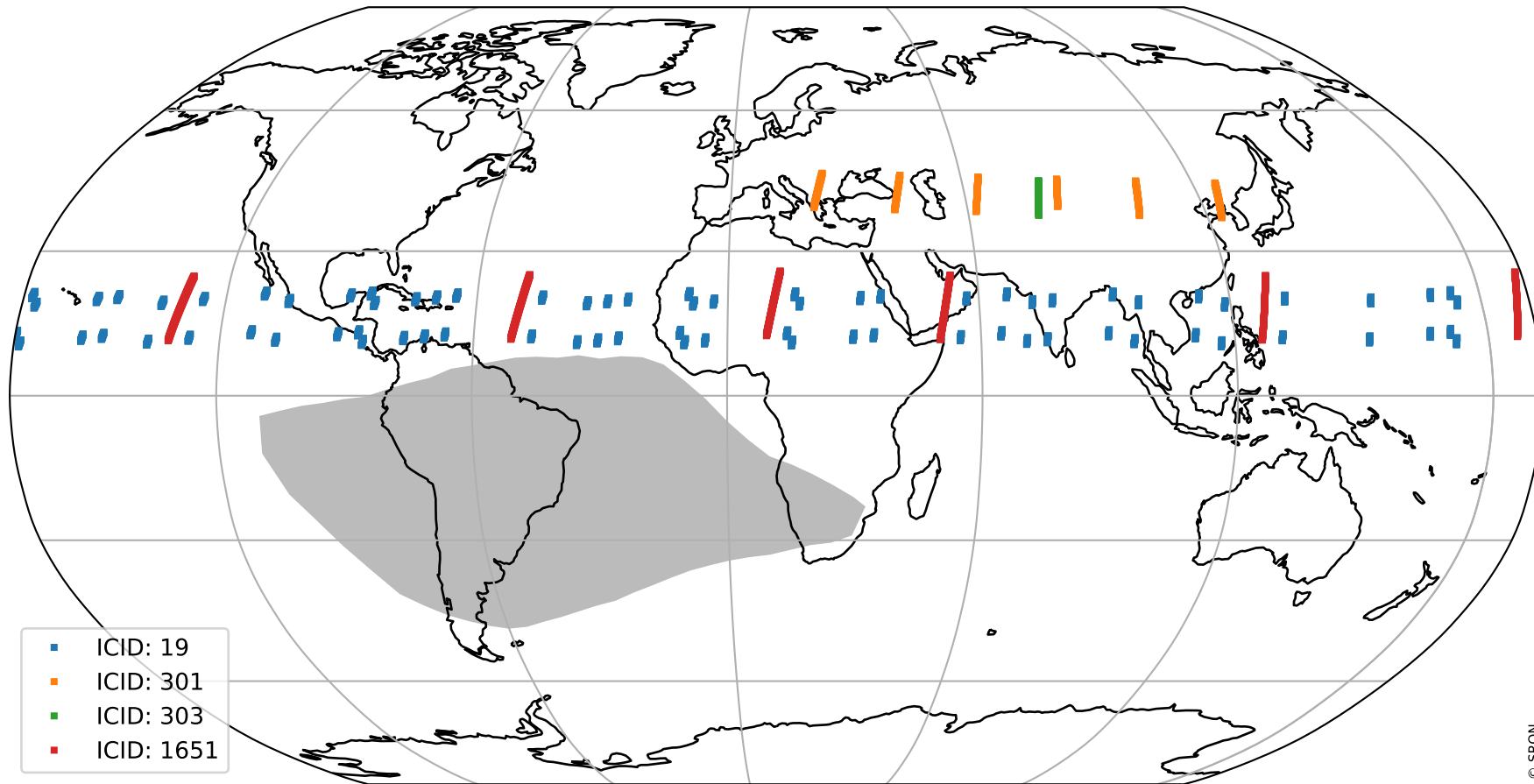
normalized read noise





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

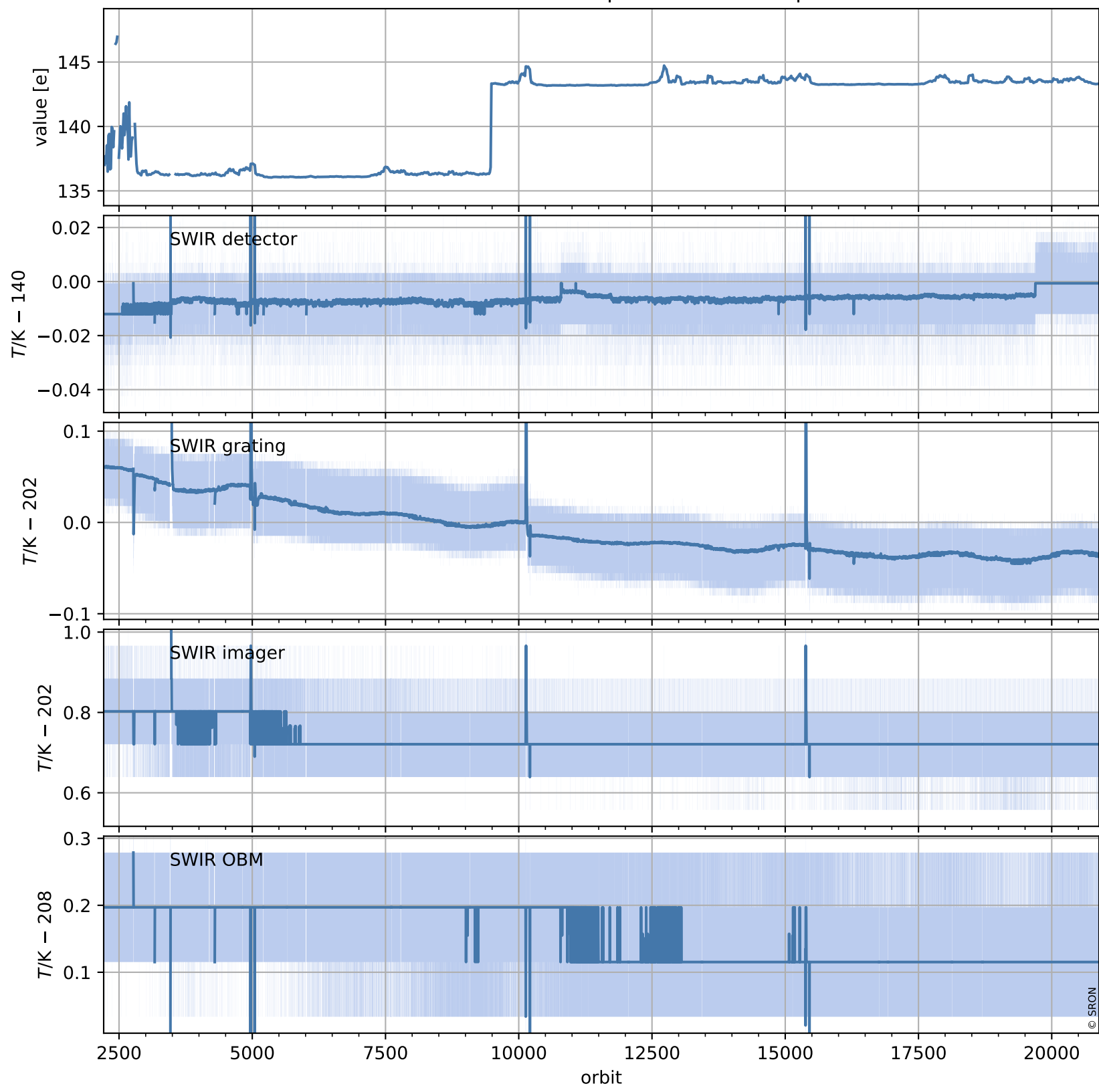
orbits : 13 in [20812, 20887]  
coverage : 2021-10-18 / 2021-10-24  
created : 2023-08-21T16:14:14



# Tropomi SWIR background noise (swir)

orbits : [2212, 20887]  
coverage : 2018-03-18 / 2021-10-24  
created : 2023-08-21T16:14:14

## trend of detector median of plain noise & temperatures

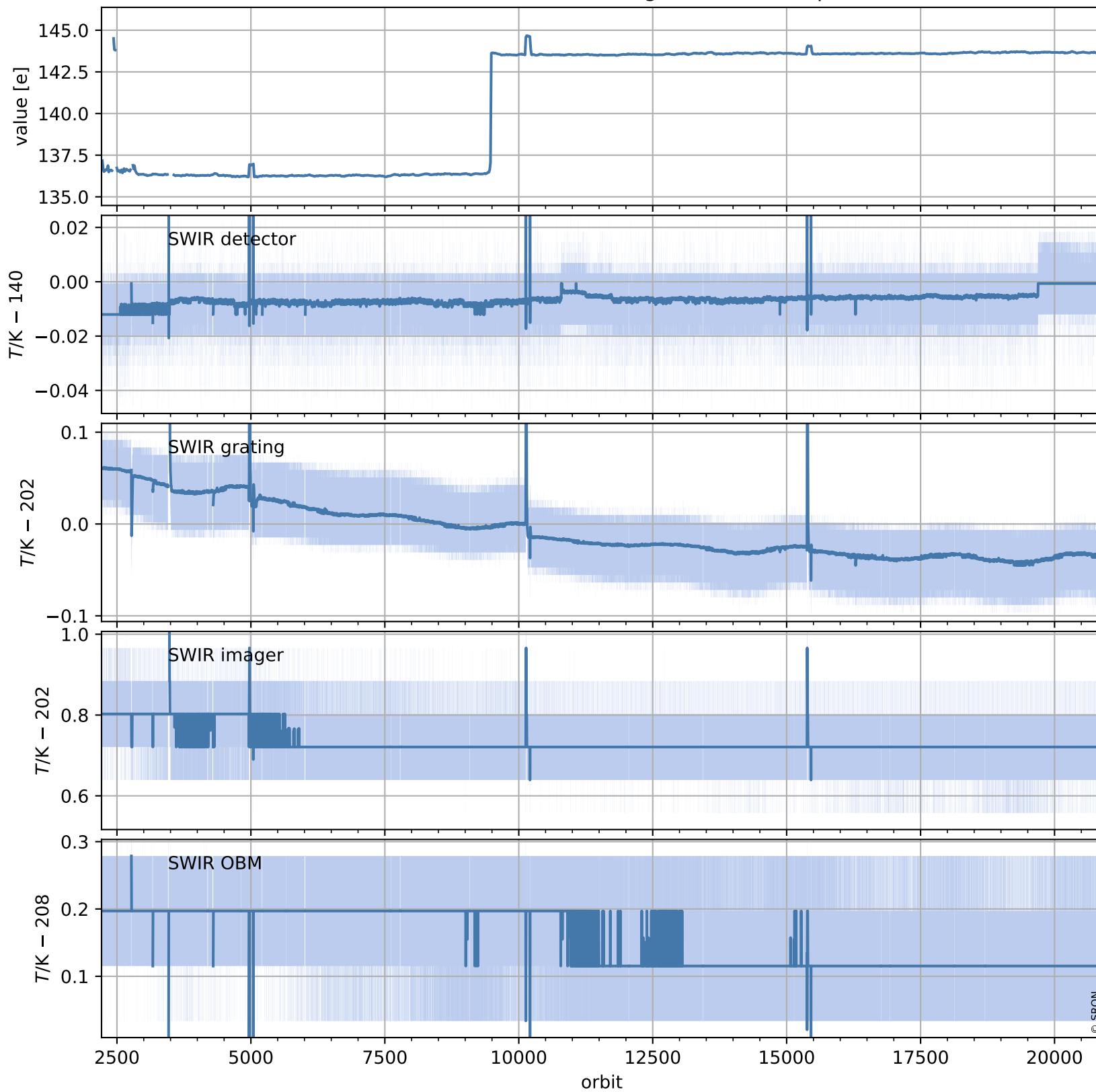




# Tropomi SWIR background noise (swir)

orbits : [2212, 20887]  
coverage : 2018-03-18 / 2021-10-24  
created : 2023-08-21T16:14:15

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20887]  
coverage : 2018-03-18 / 2021-10-24  
created : 2023-08-21T16:14:16

## trend of normalized read-noise & temperatures

