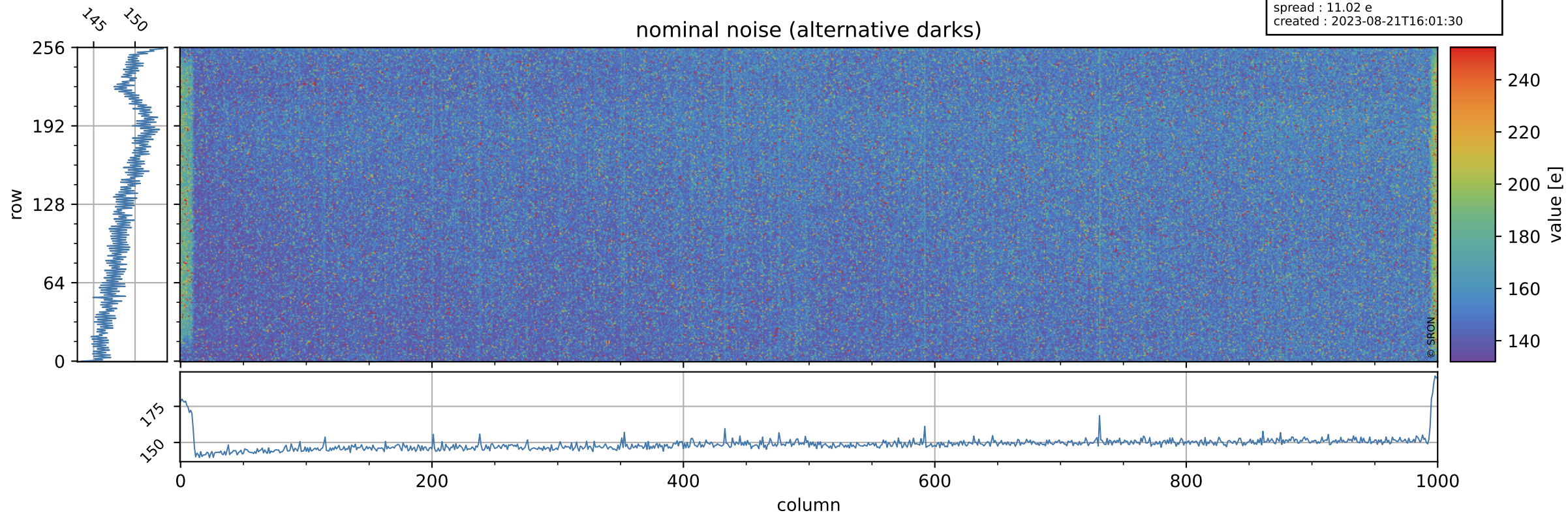


# Tropomi SWIR background noise (swir)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.66 e  
spread : 11.02 e  
created : 2023-08-21T16:01:30

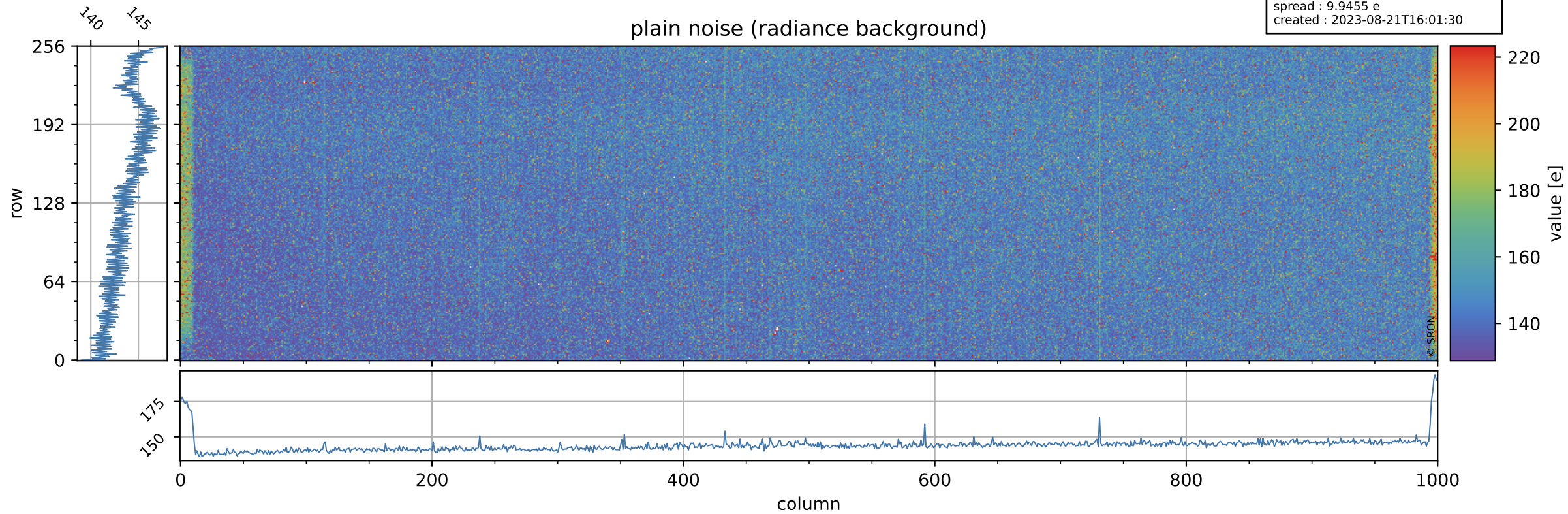
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 9.9455 e  
created : 2023-08-21T16:01:30

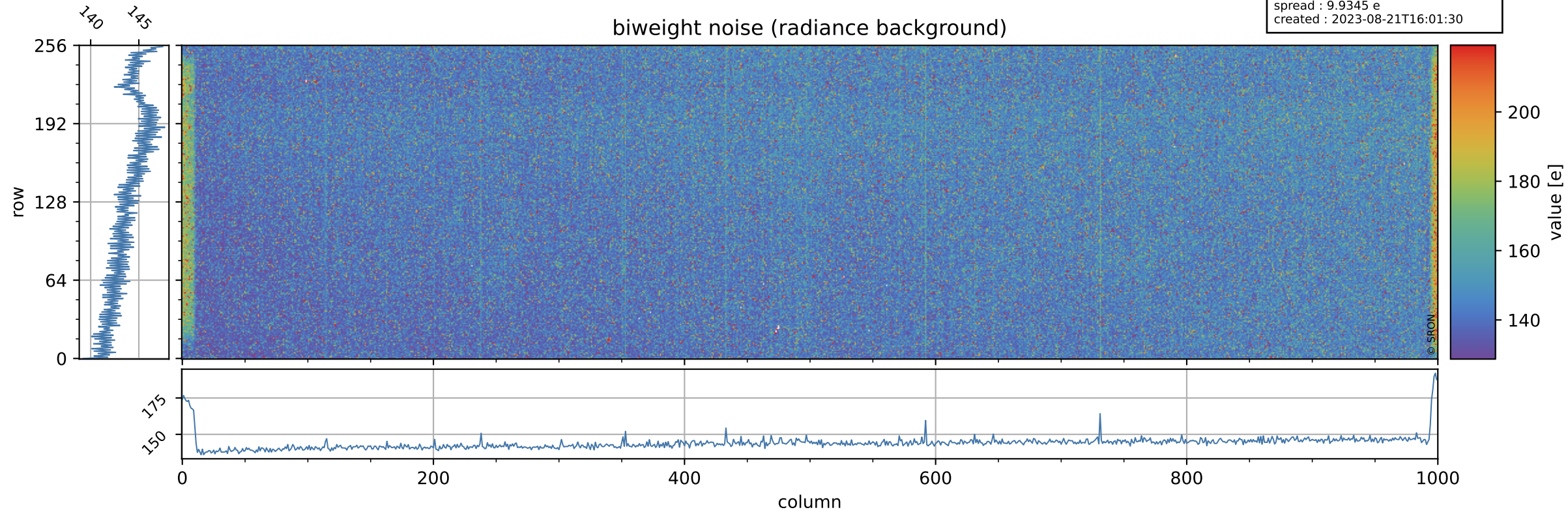
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.9345 e  
created : 2023-08-21T16:01:30

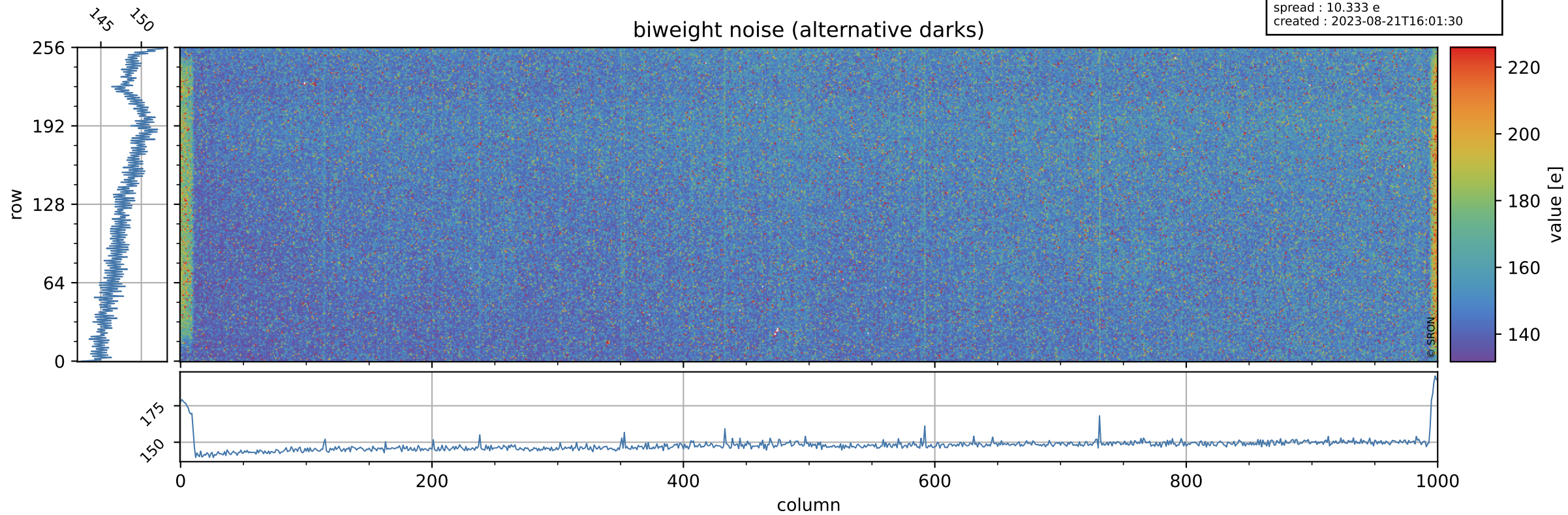
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.333 e  
created : 2023-08-21T16:01:30

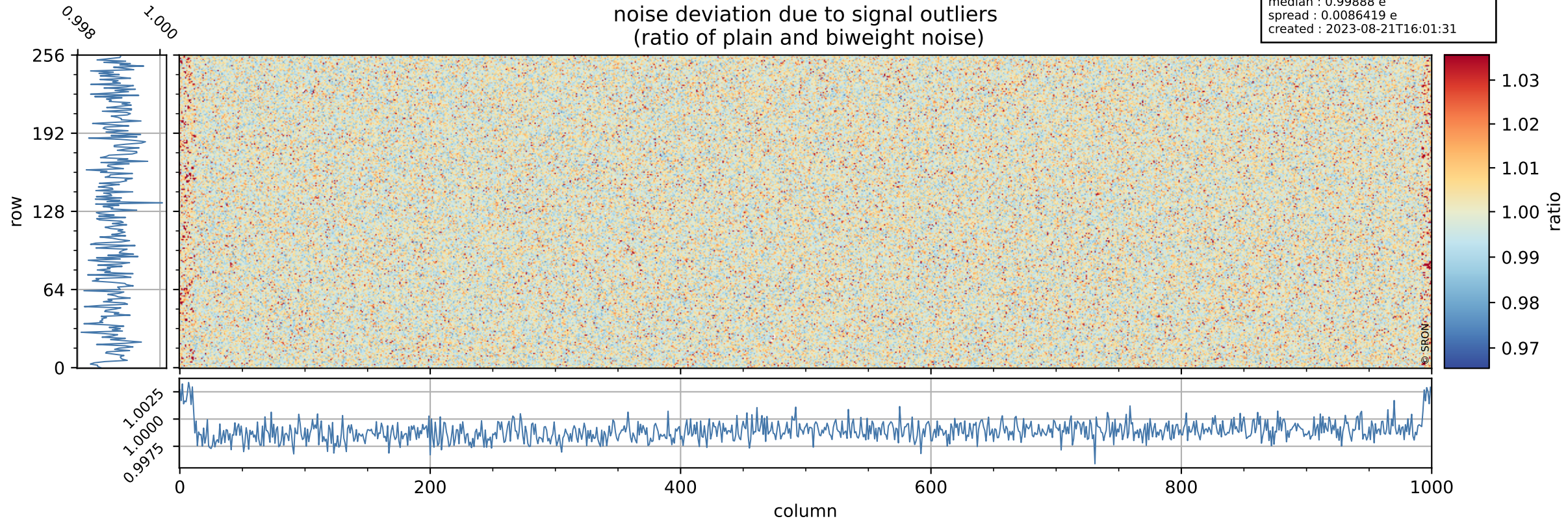
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

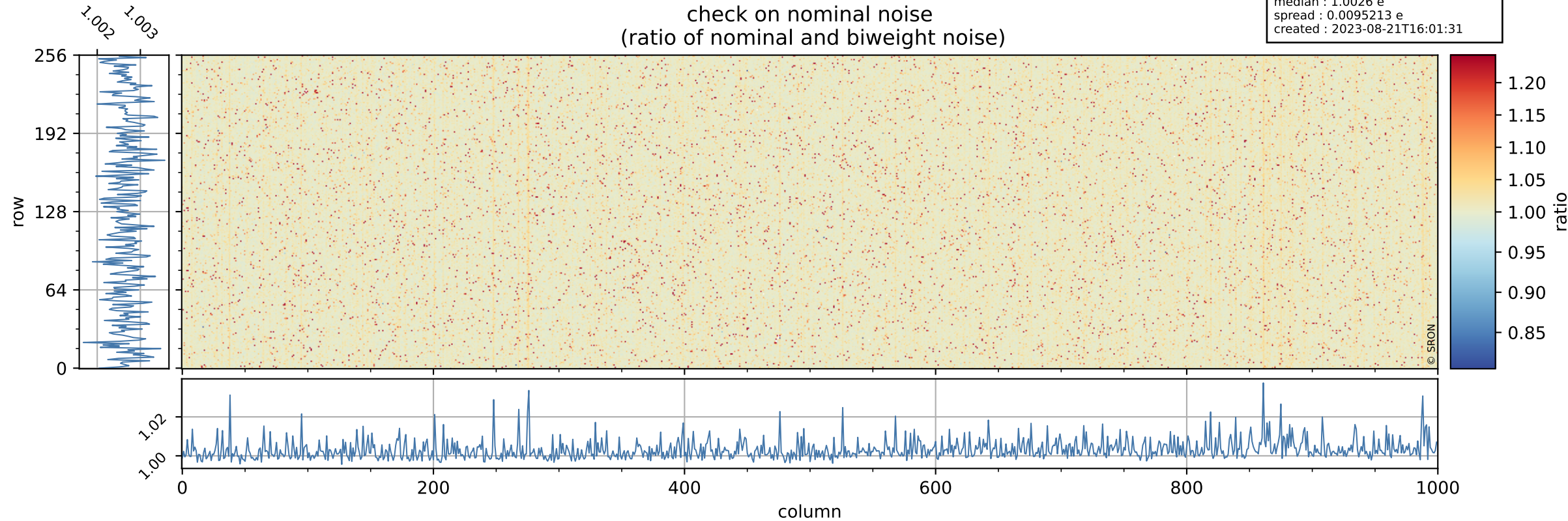
orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
median : 0.99888 e  
spread : 0.0086419 e  
created : 2023-08-21T16:01:31



# Tropomi SWIR background noise (swir)

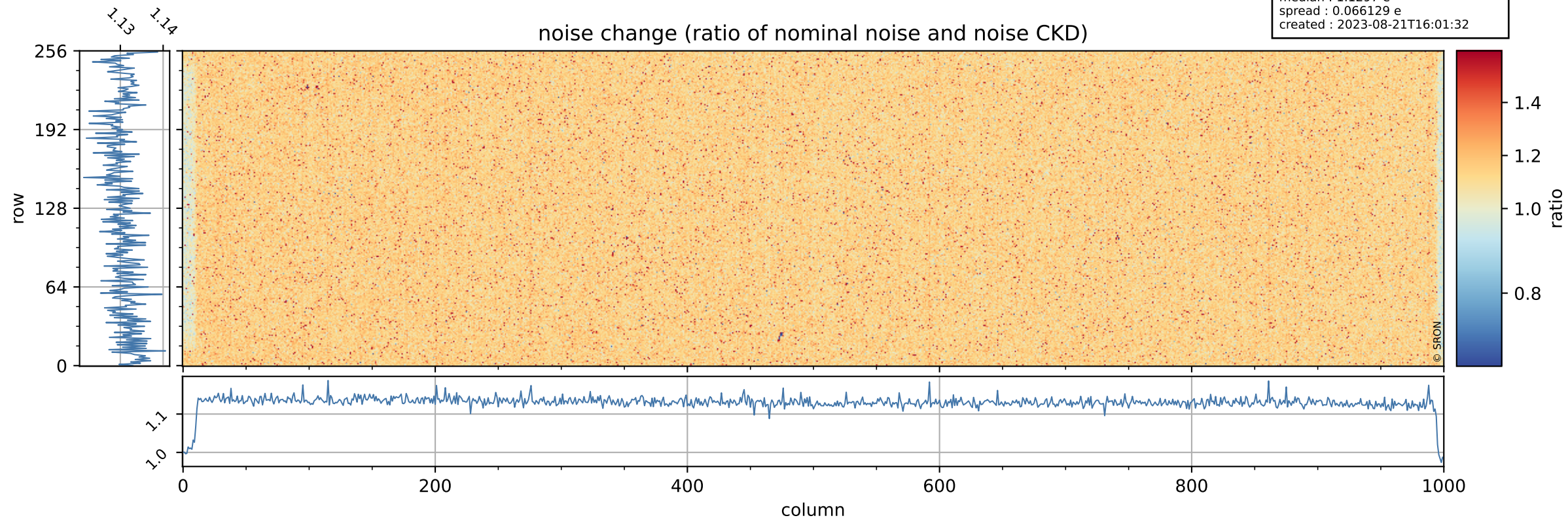
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
median : 1.0026 e  
spread : 0.0095213 e  
created : 2023-08-21T16:01:31



# Tropomi SWIR background noise (swir)

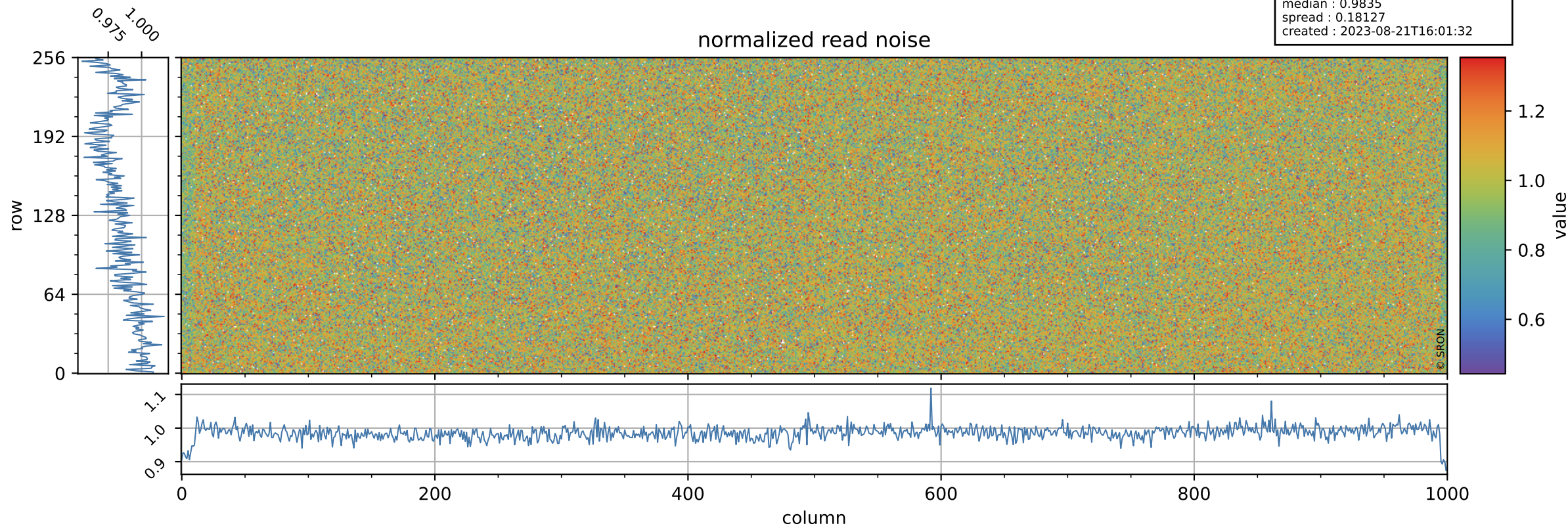
orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
median : 1.1297 e  
spread : 0.066129 e  
created : 2023-08-21T16:01:32



# Tropomi SWIR background noise (swir)

orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
median : 0.9835  
spread : 0.18127  
created : 2023-08-21T16:01:32

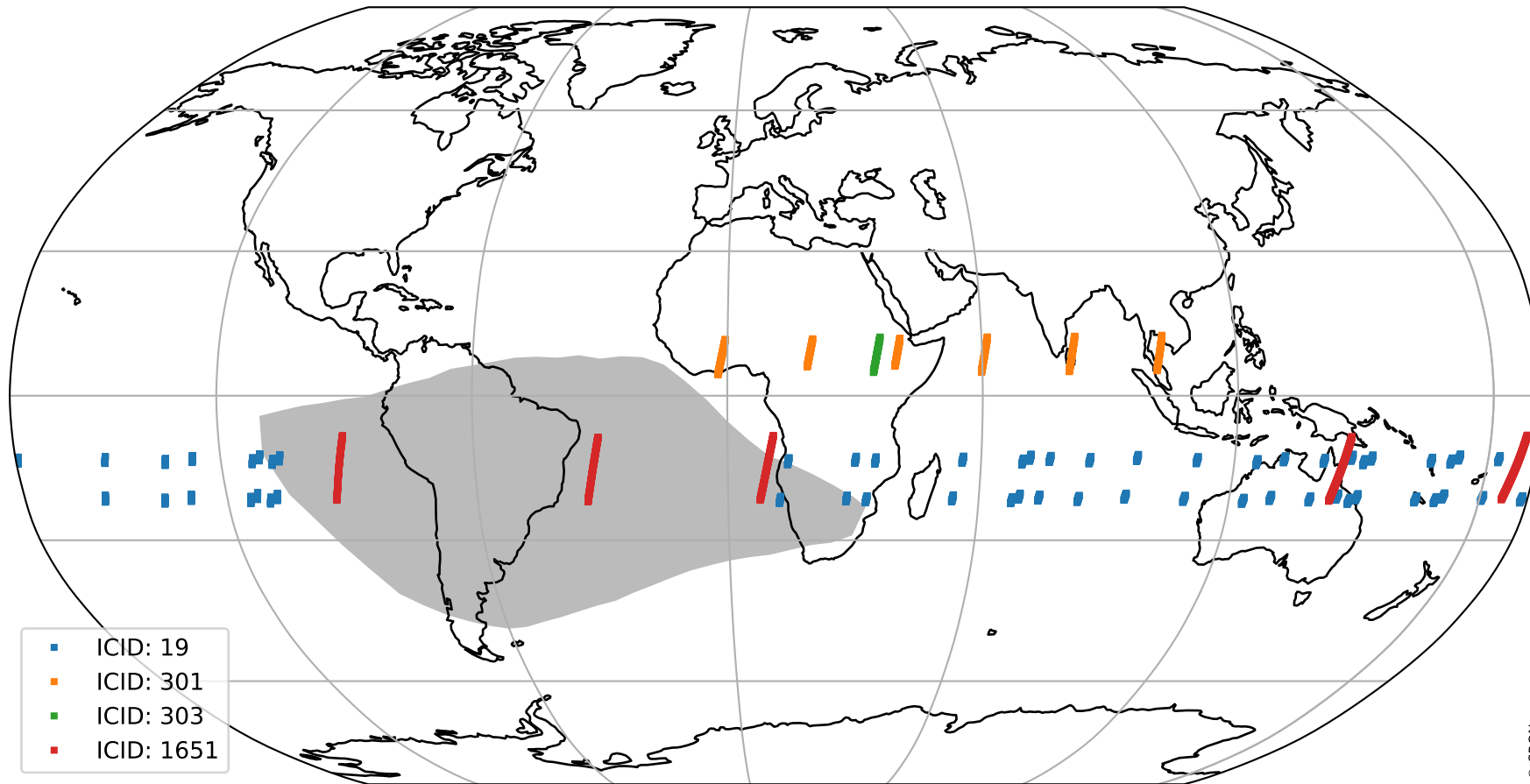
normalized read noise





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

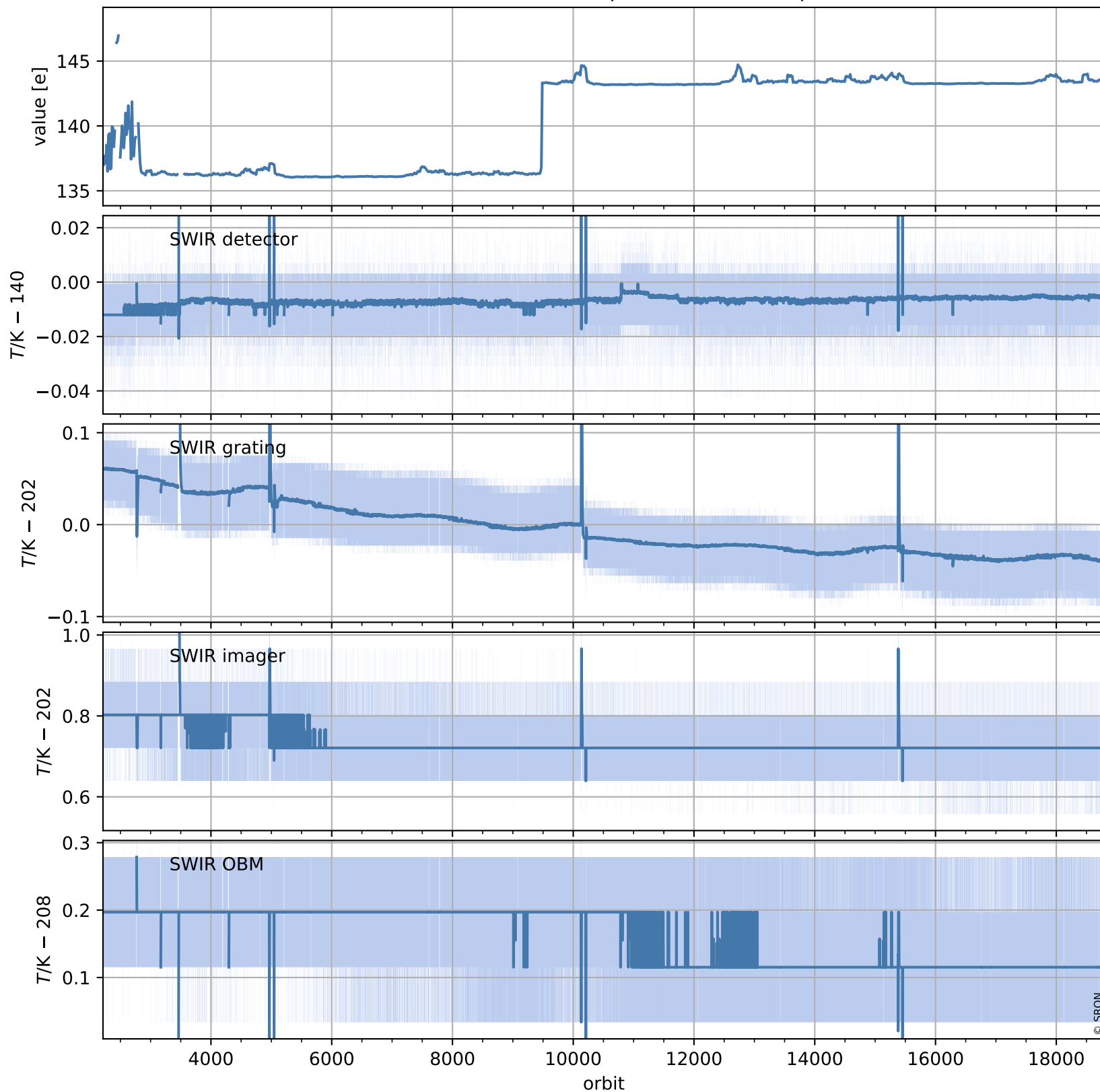
orbits : 12 in [18712, 18802]  
coverage : 2021-05-24 / 2021-05-30  
created : 2023-08-21T16:01:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 18802]  
coverage : 2018-03-18 / 2021-05-30  
created : 2023-08-21T16:01:32

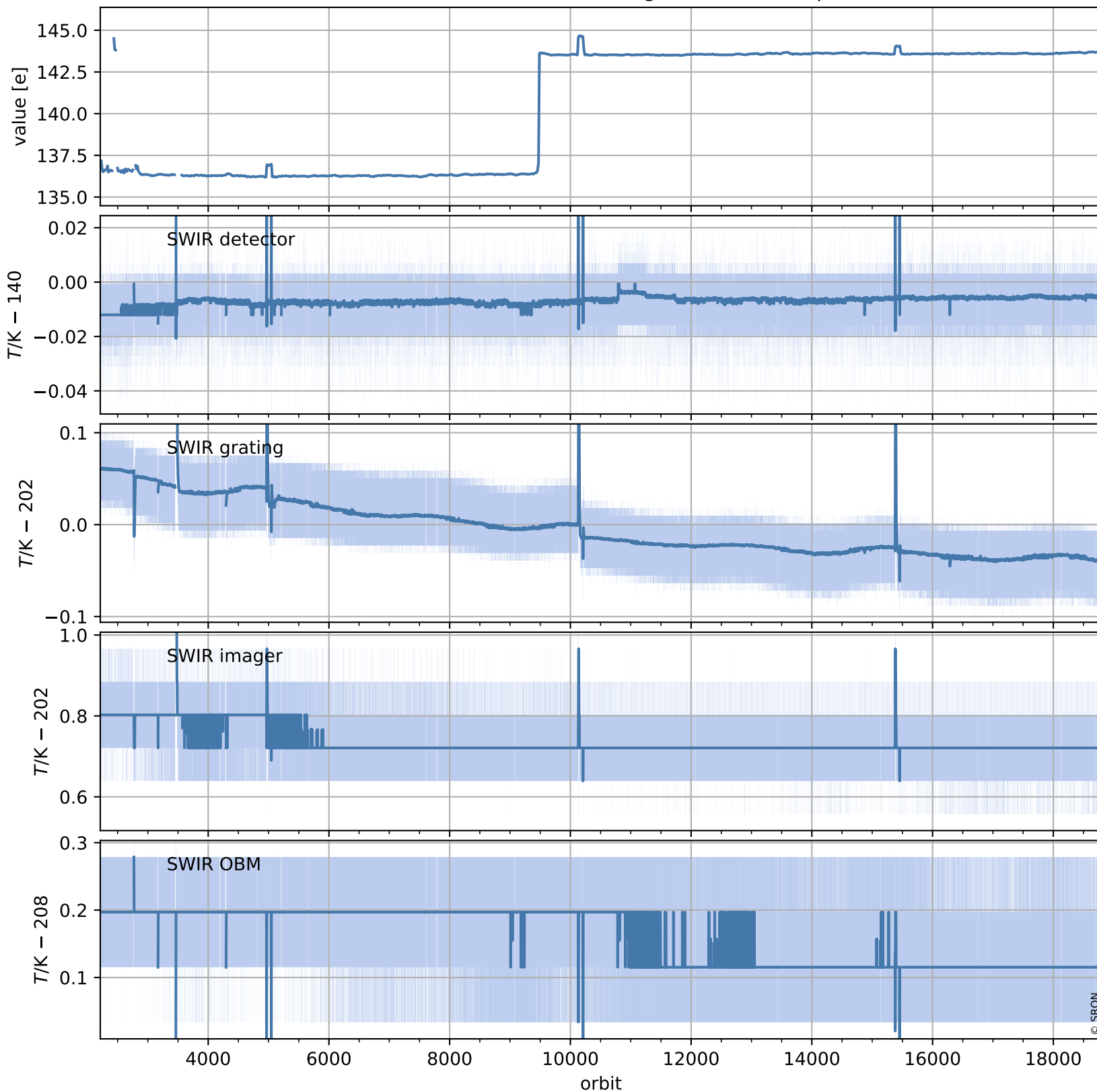
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18802]  
coverage : 2018-03-18 / 2021-05-30  
created : 2023-08-21T16:01:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18802]  
coverage : 2018-03-18 / 2021-05-30  
created : 2023-08-21T16:01:34

## trend of normalized read-noise & temperatures

