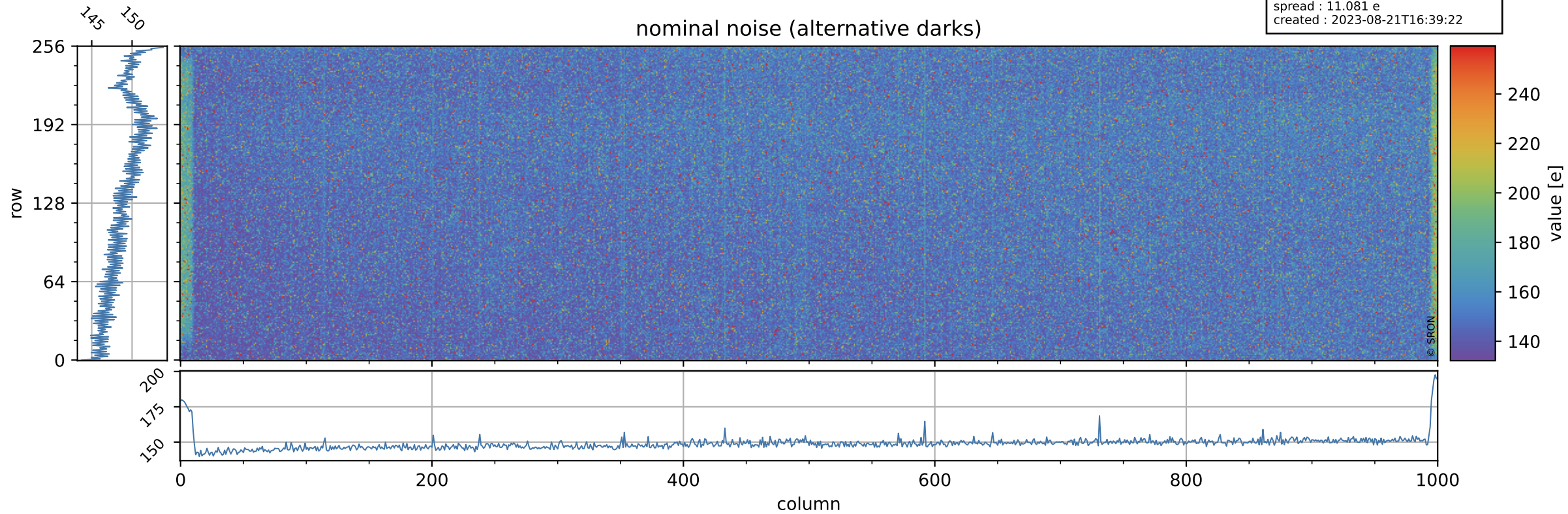


# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 11.081 e  
created : 2023-08-21T16:39:22

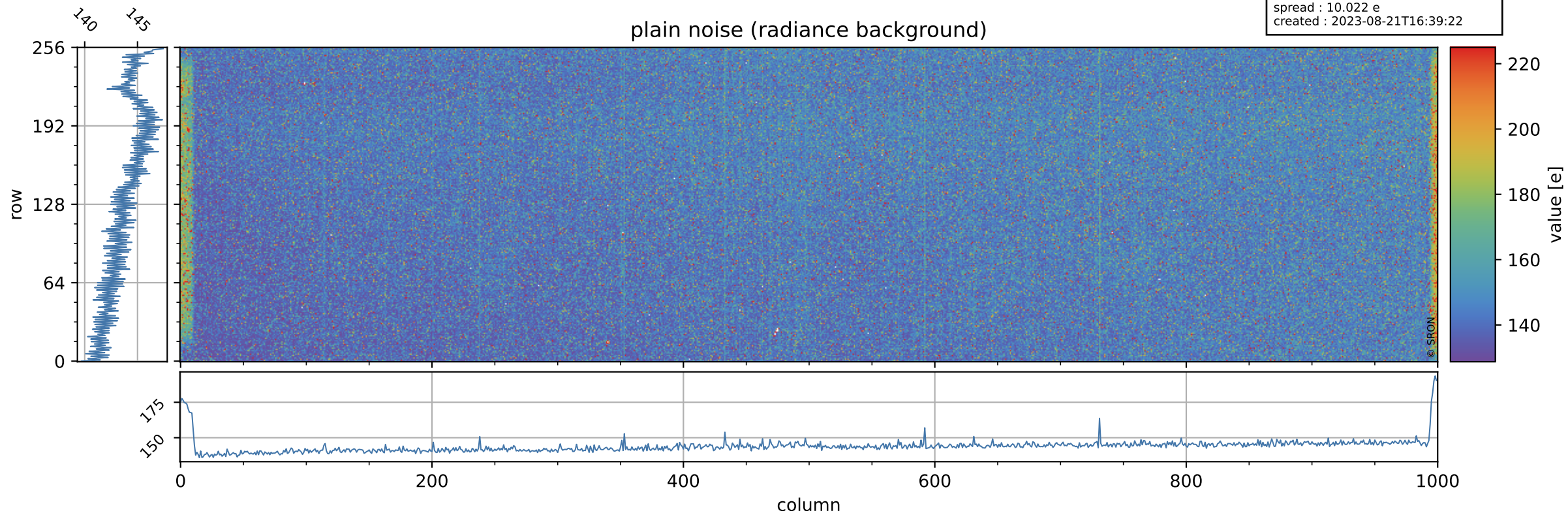
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 10.022 e  
created : 2023-08-21T16:39:22

plain noise (radiance background)

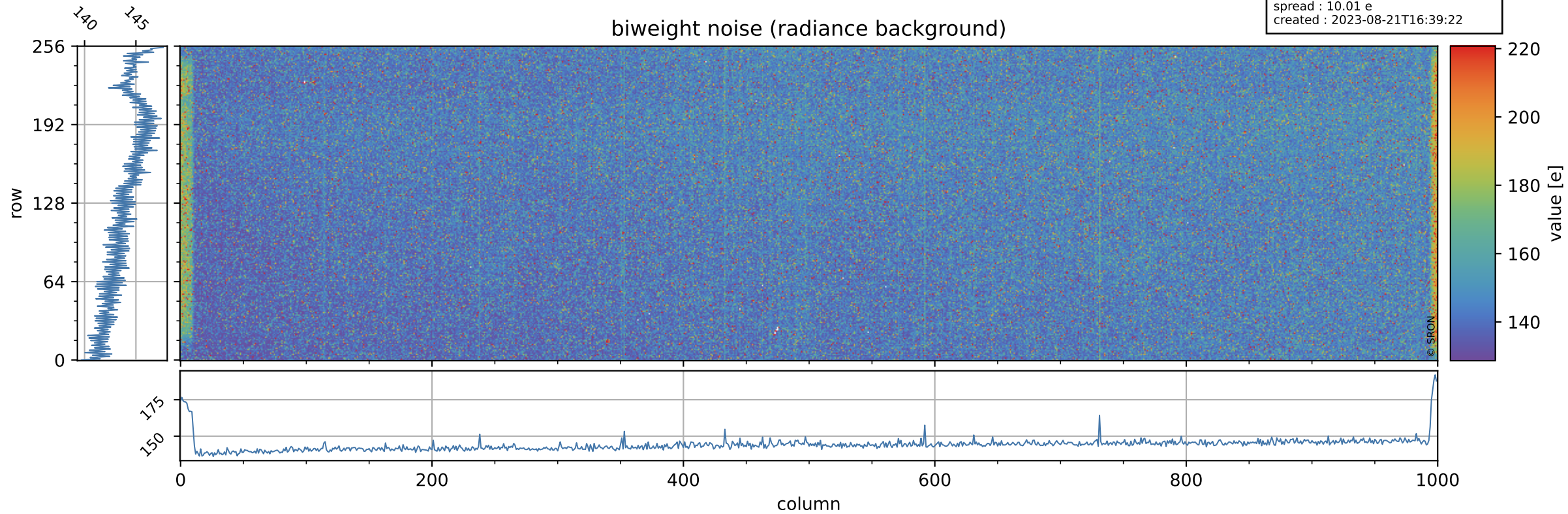




# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 10.01 e  
created : 2023-08-21T16:39:22

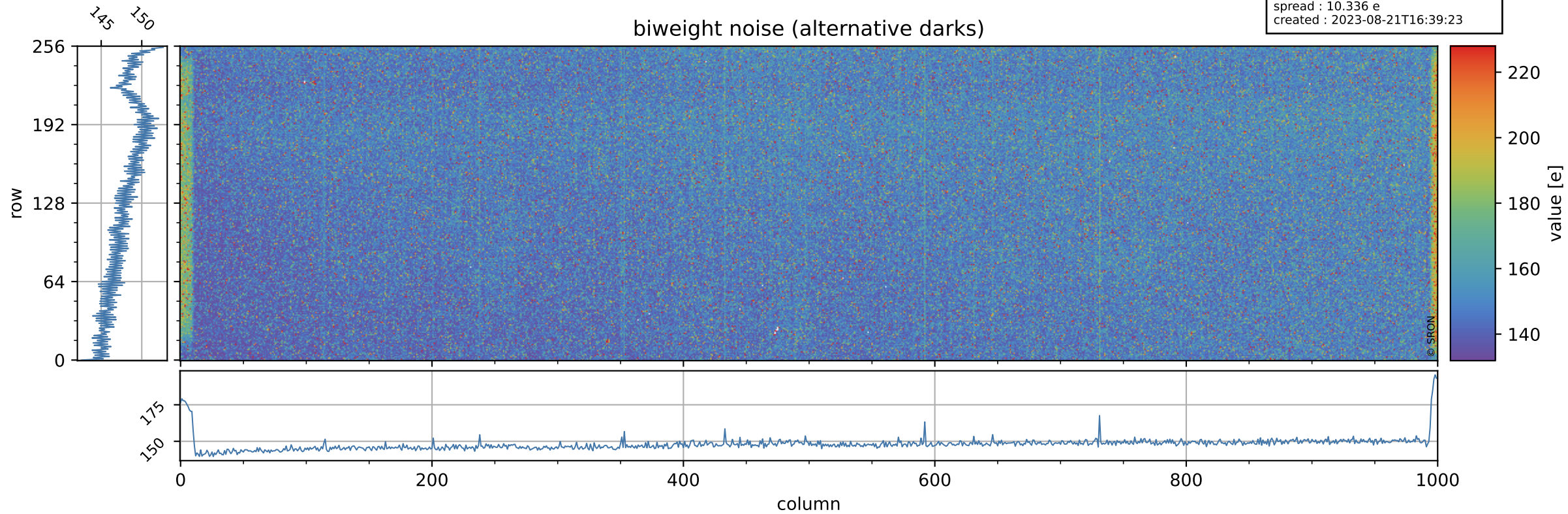
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.336 e  
created : 2023-08-21T16:39:23

## biweight noise (alternative darks)

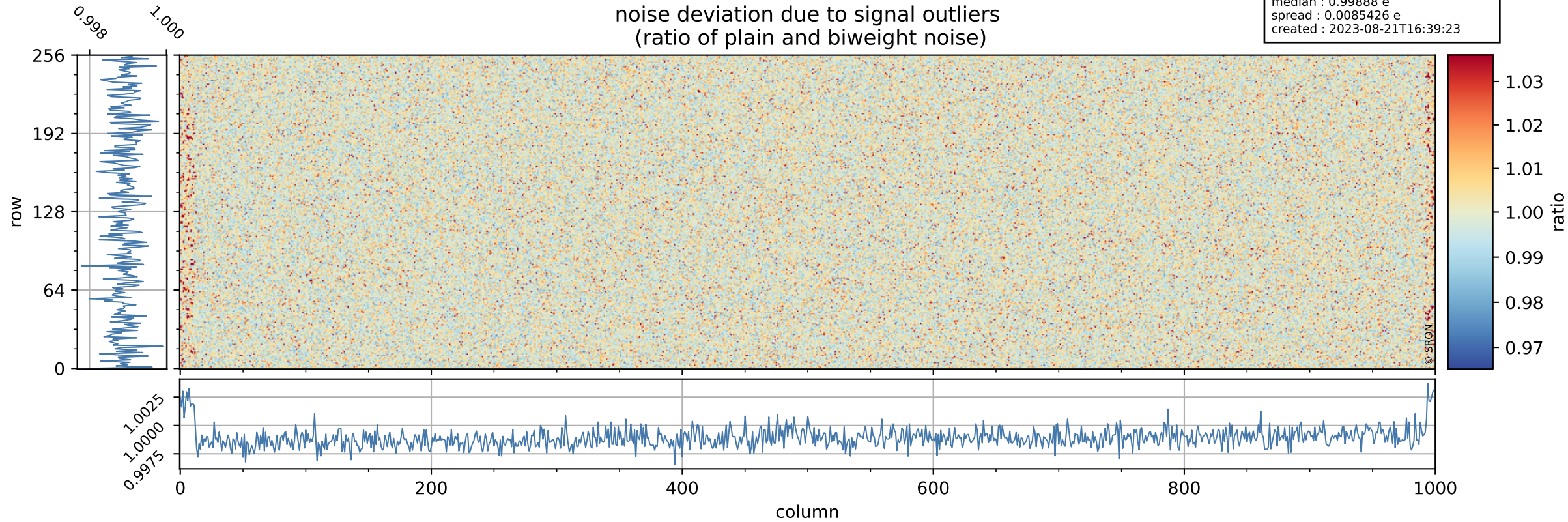




# Tropomi SWIR background noise (swir)

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

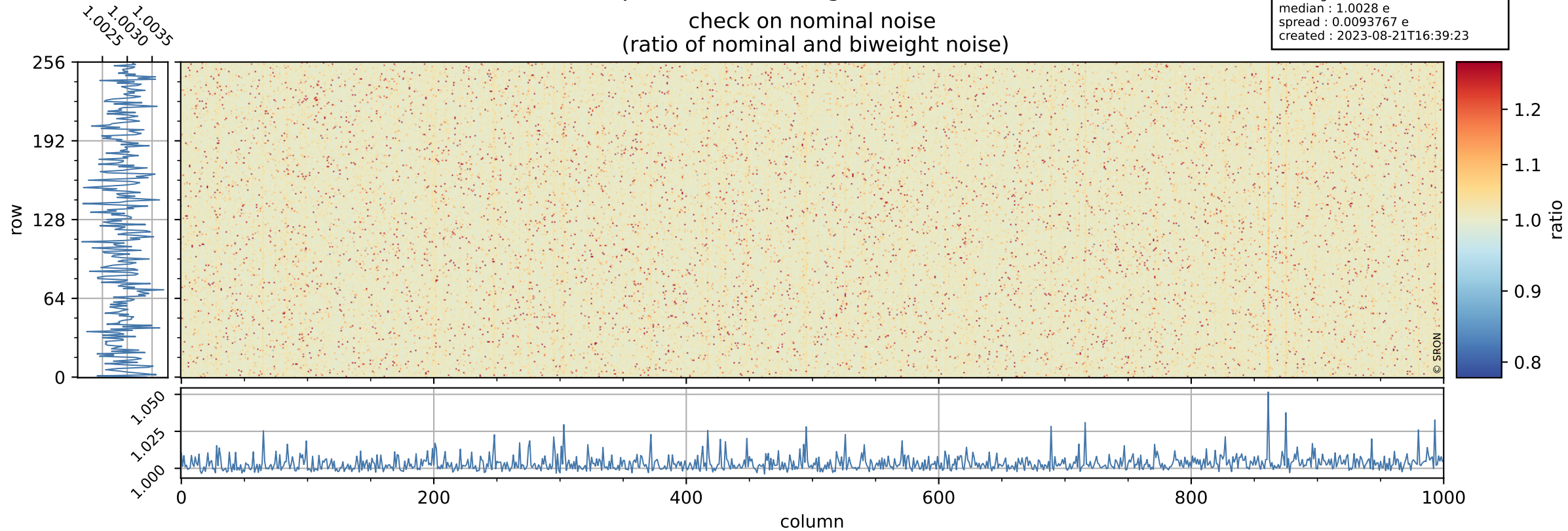
orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
median : 0.99888 e  
spread : 0.0085426 e  
created : 2023-08-21T16:39:23



# Tropomi SWIR background noise (swir)

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

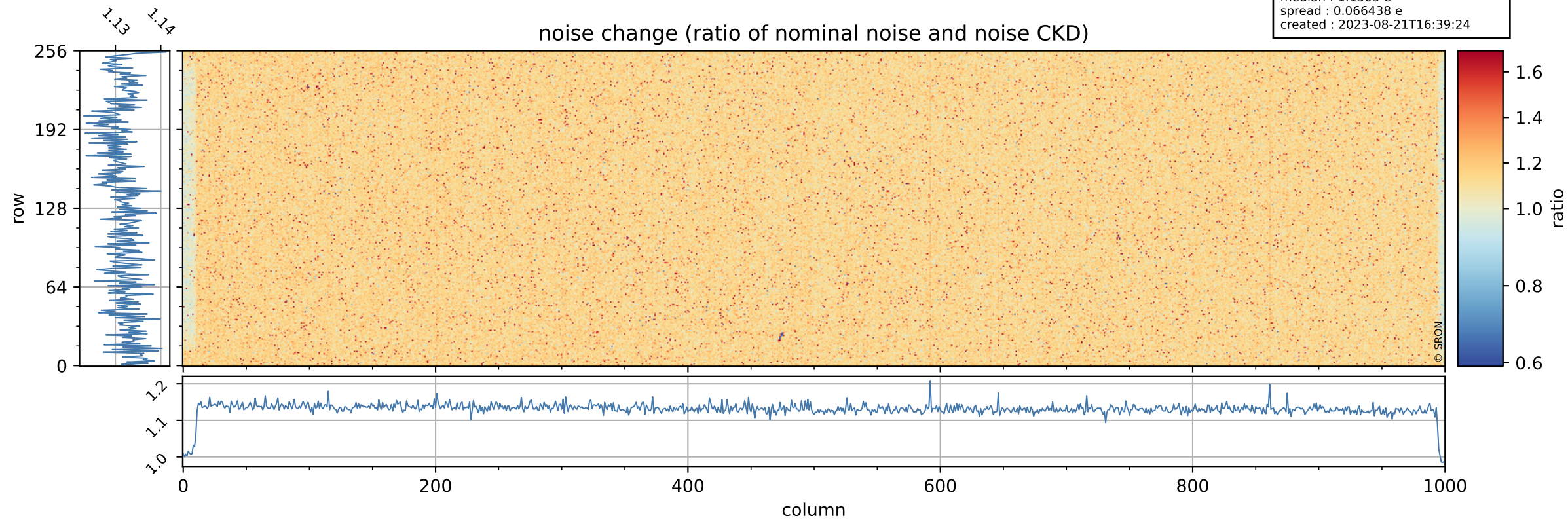
orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
median : 1.0028 e  
spread : 0.0093767 e  
created : 2023-08-21T16:39:23





# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
median : 1.1305 e  
spread : 0.066438 e  
created : 2023-08-21T16:39:24

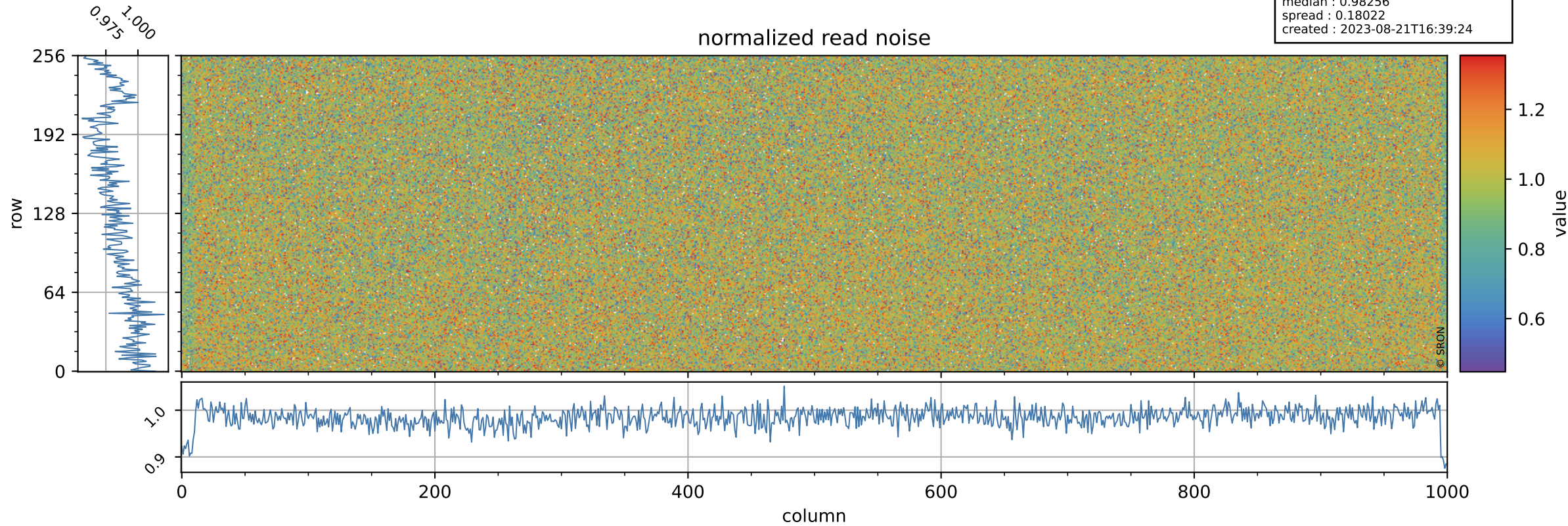




# Tropomi SWIR background noise (swir)

orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
median : 0.98256  
spread : 0.18022  
created : 2023-08-21T16:39:24

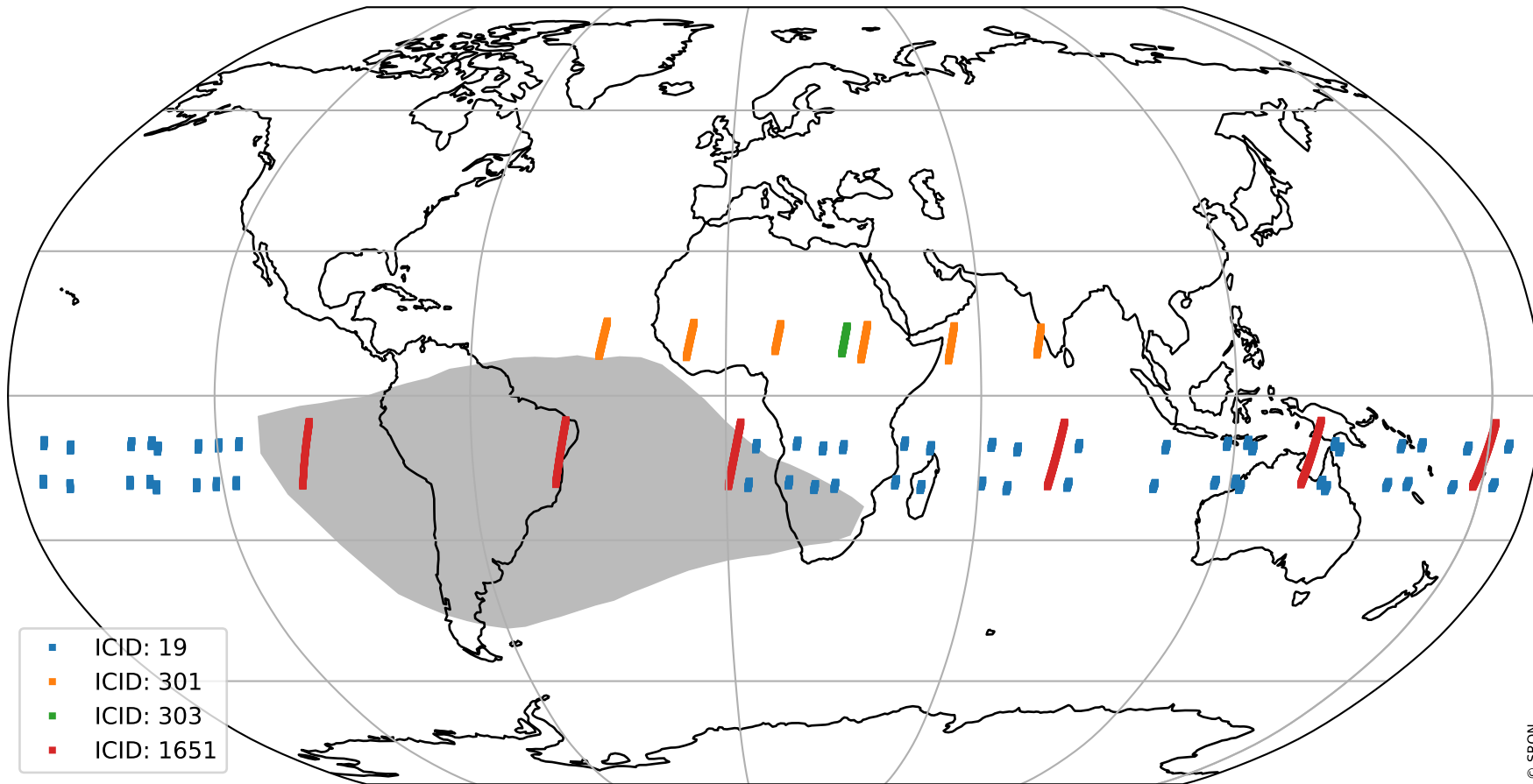
normalized read noise





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

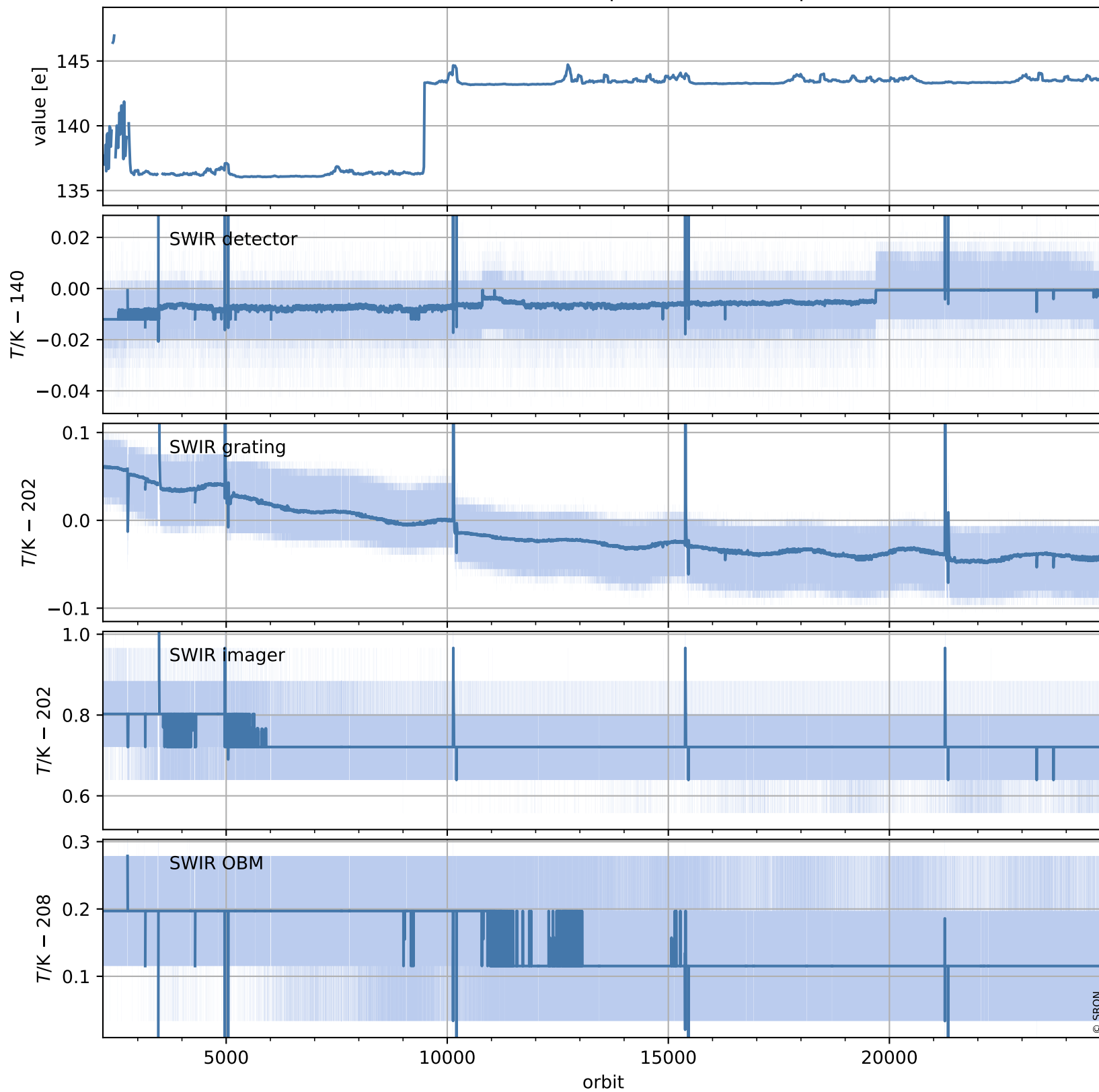
orbits : 13 in [24772, 24847]  
coverage : 2022-07-24 / 2022-07-30  
created : 2023-08-21T16:39:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 24847]  
coverage : 2018-03-18 / 2022-07-30  
created : 2023-08-21T16:39:25

## trend of detector median of plain noise & temperatures

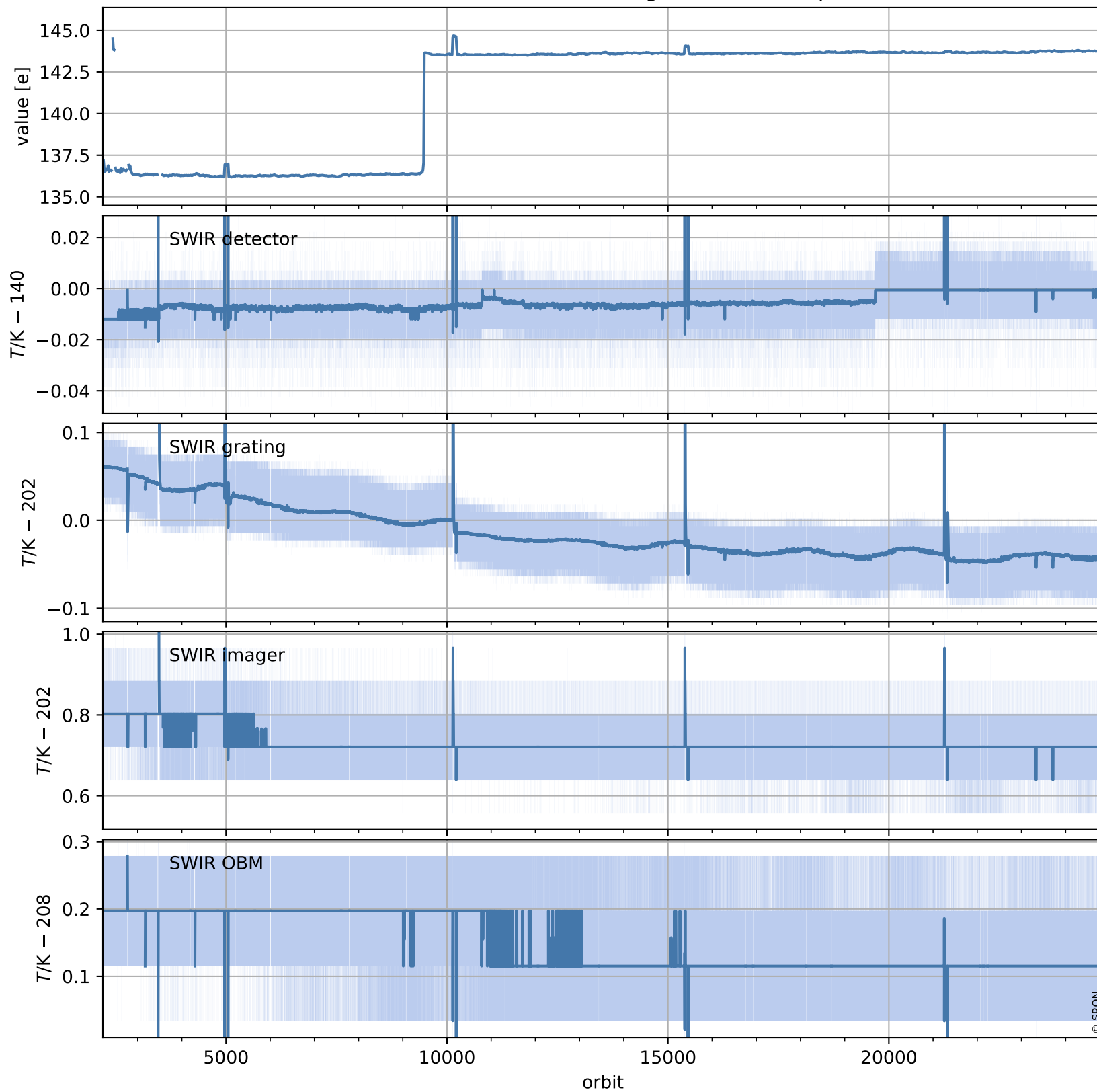




# Tropomi SWIR background noise (swir)

orbits : [2212, 24847]  
coverage : 2018-03-18 / 2022-07-30  
created : 2023-08-21T16:39:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24847]  
coverage : 2018-03-18 / 2022-07-30  
created : 2023-08-21T16:39:26

## trend of normalized read-noise & temperatures

