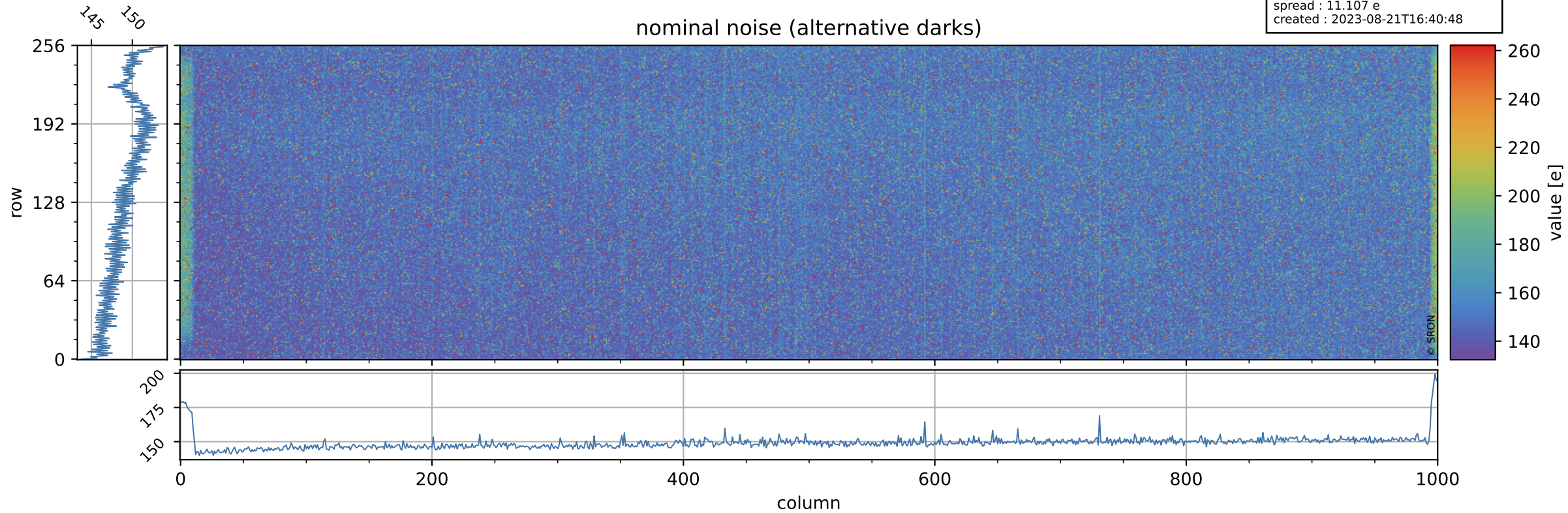


# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.9 e  
spread : 11.107 e  
created : 2023-08-21T16:40:48

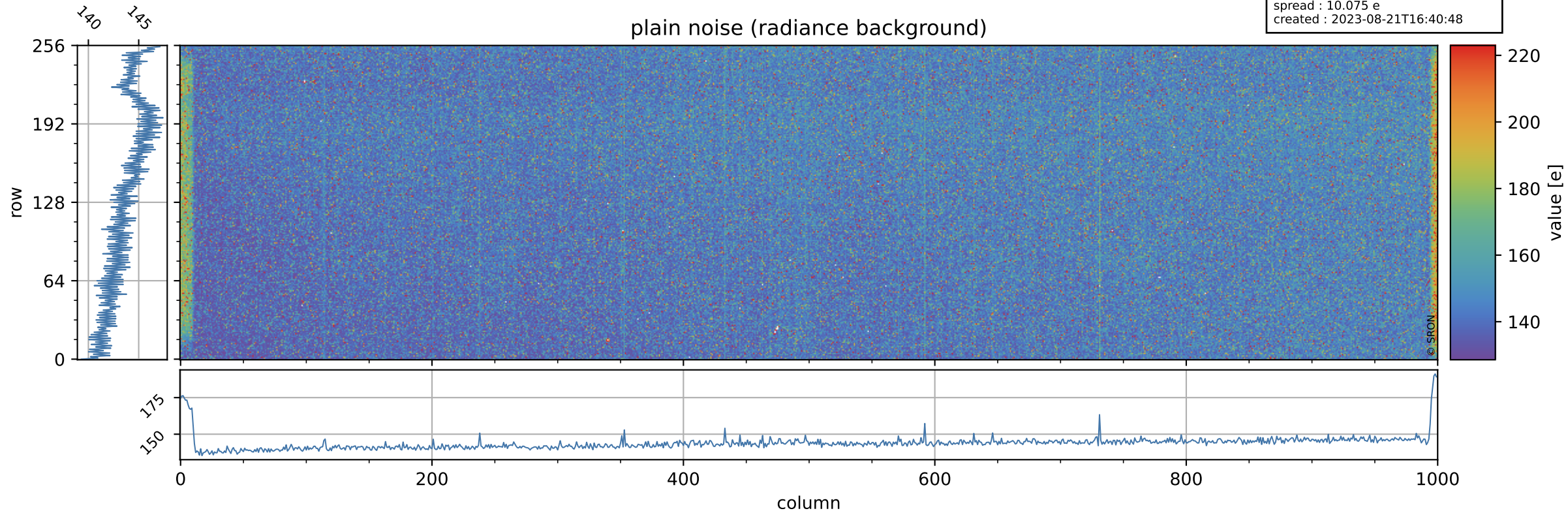
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.61 e  
spread : 10.075 e  
created : 2023-08-21T16:40:48

plain noise (radiance background)

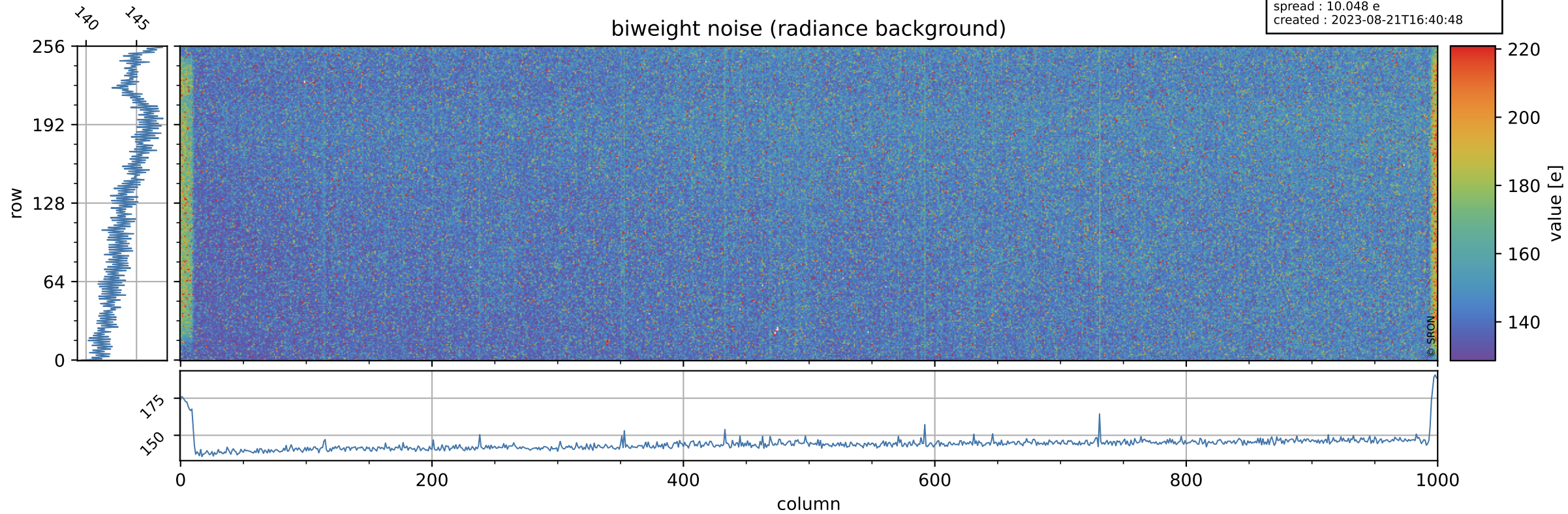




# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.88 e  
spread : 10.048 e  
created : 2023-08-21T16:40:48

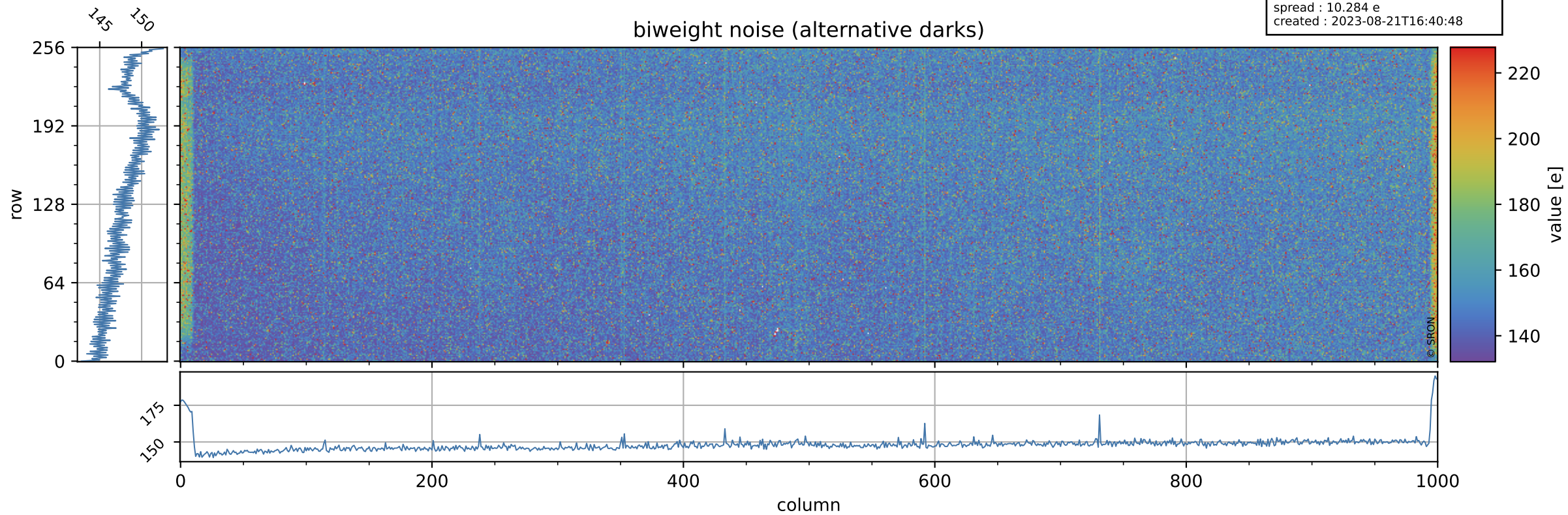
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.284 e  
created : 2023-08-21T16:40:48

## biweight noise (alternative darks)

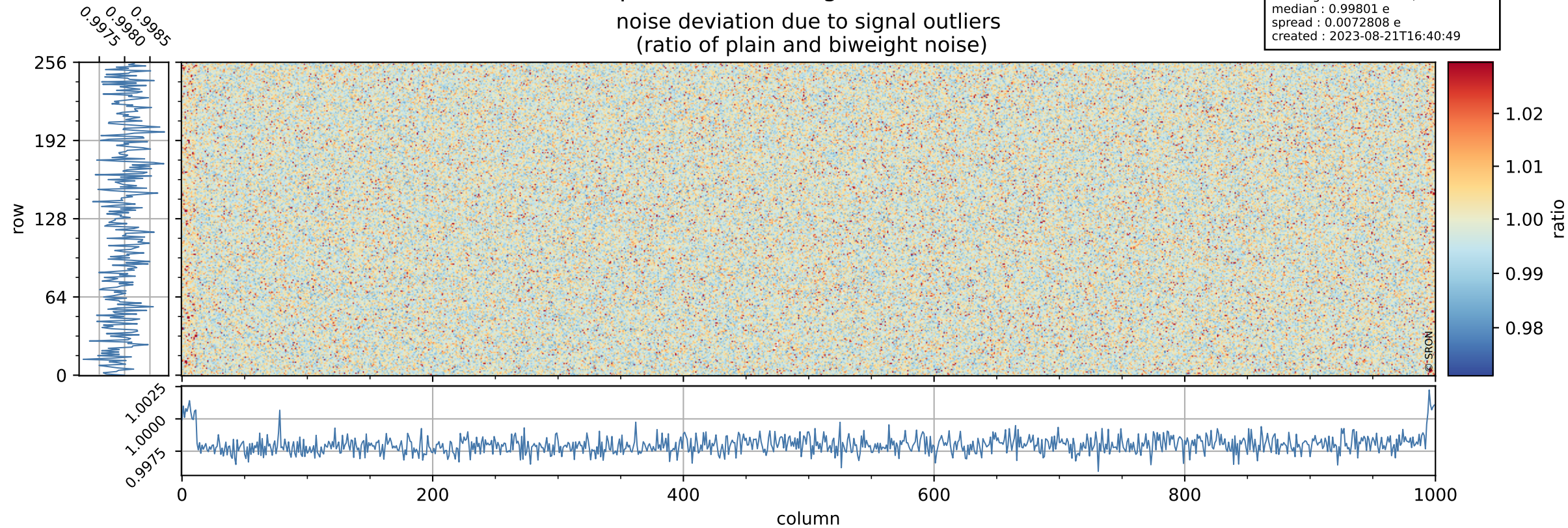




# Tropomi SWIR background noise (swir)

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

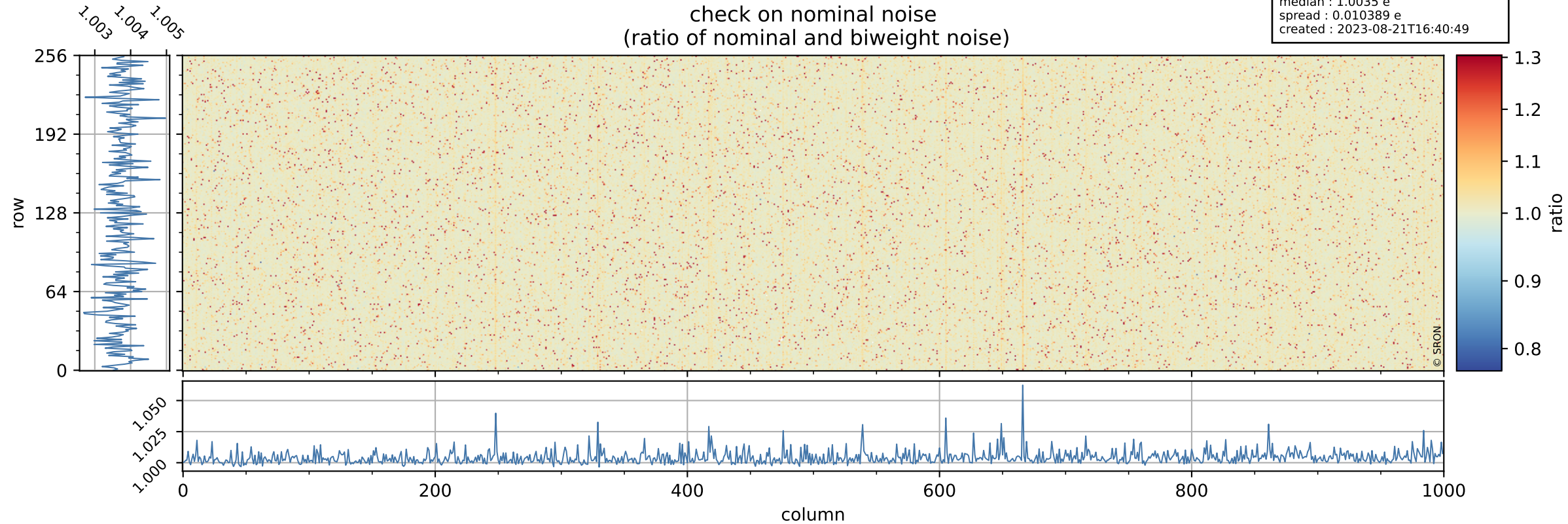
orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
median : 0.99801 e  
spread : 0.0072808 e  
created : 2023-08-21T16:40:49



# Tropomi SWIR background noise (swir)

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

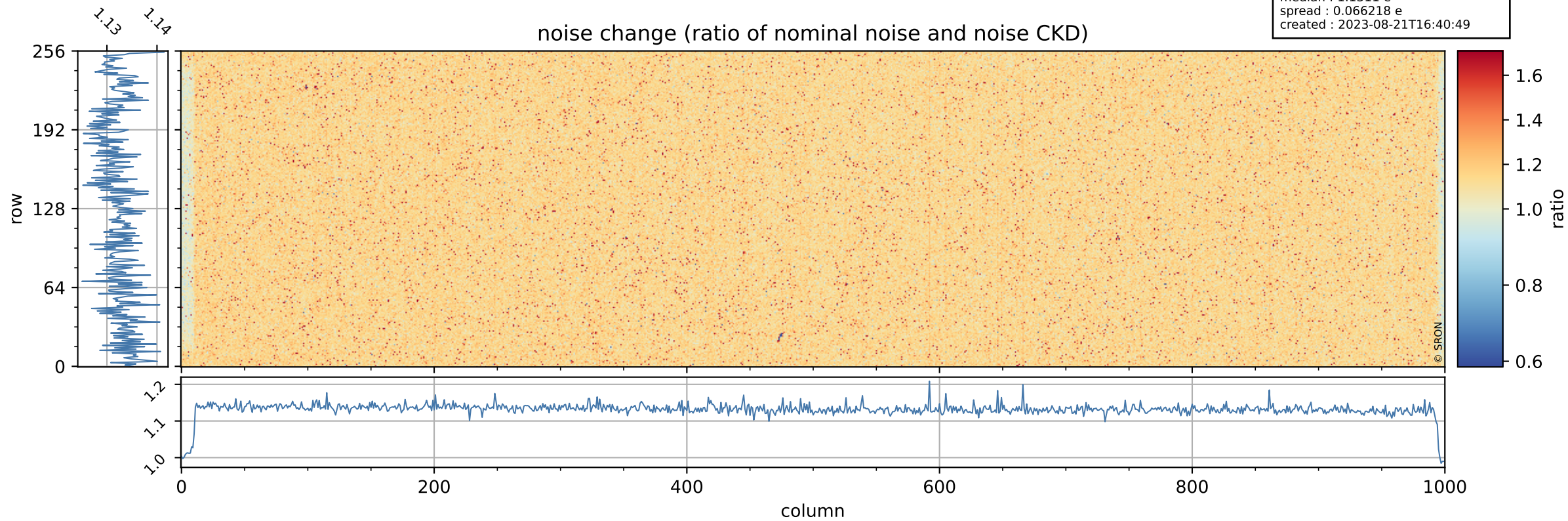
orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
median : 1.0035 e  
spread : 0.010389 e  
created : 2023-08-21T16:40:49





# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
median : 1.1311 e  
spread : 0.066218 e  
created : 2023-08-21T16:40:49

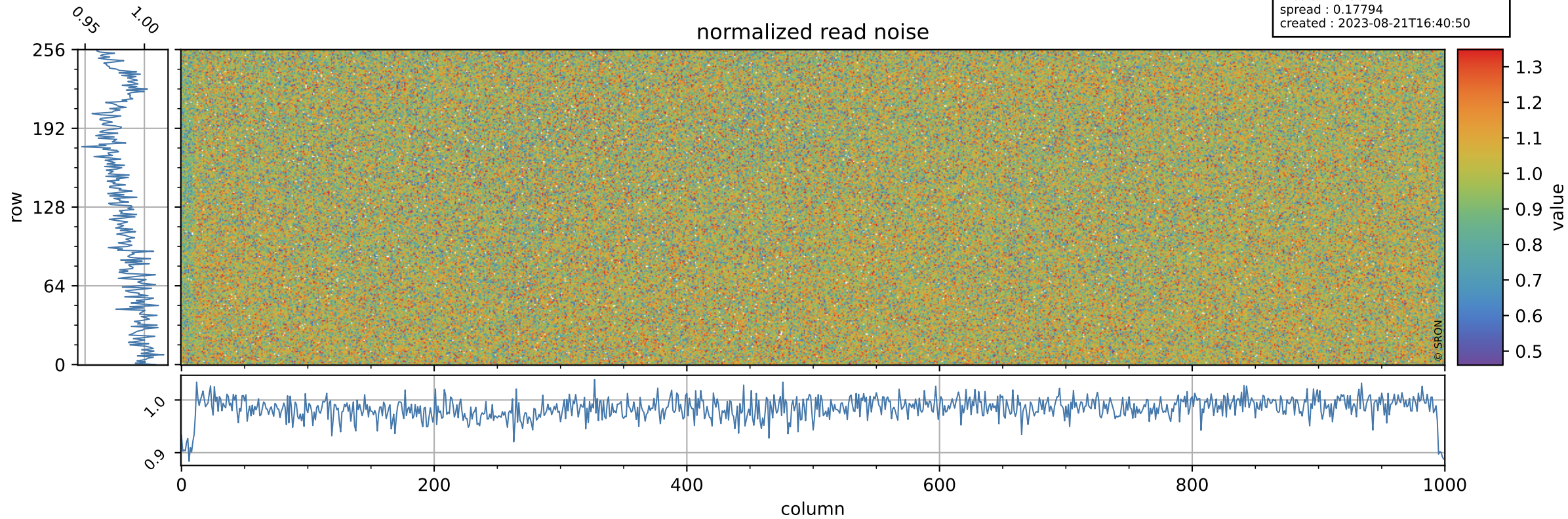




# Tropomi SWIR background noise (swir)

orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
median : 0.98241  
spread : 0.17794  
created : 2023-08-21T16:40:50

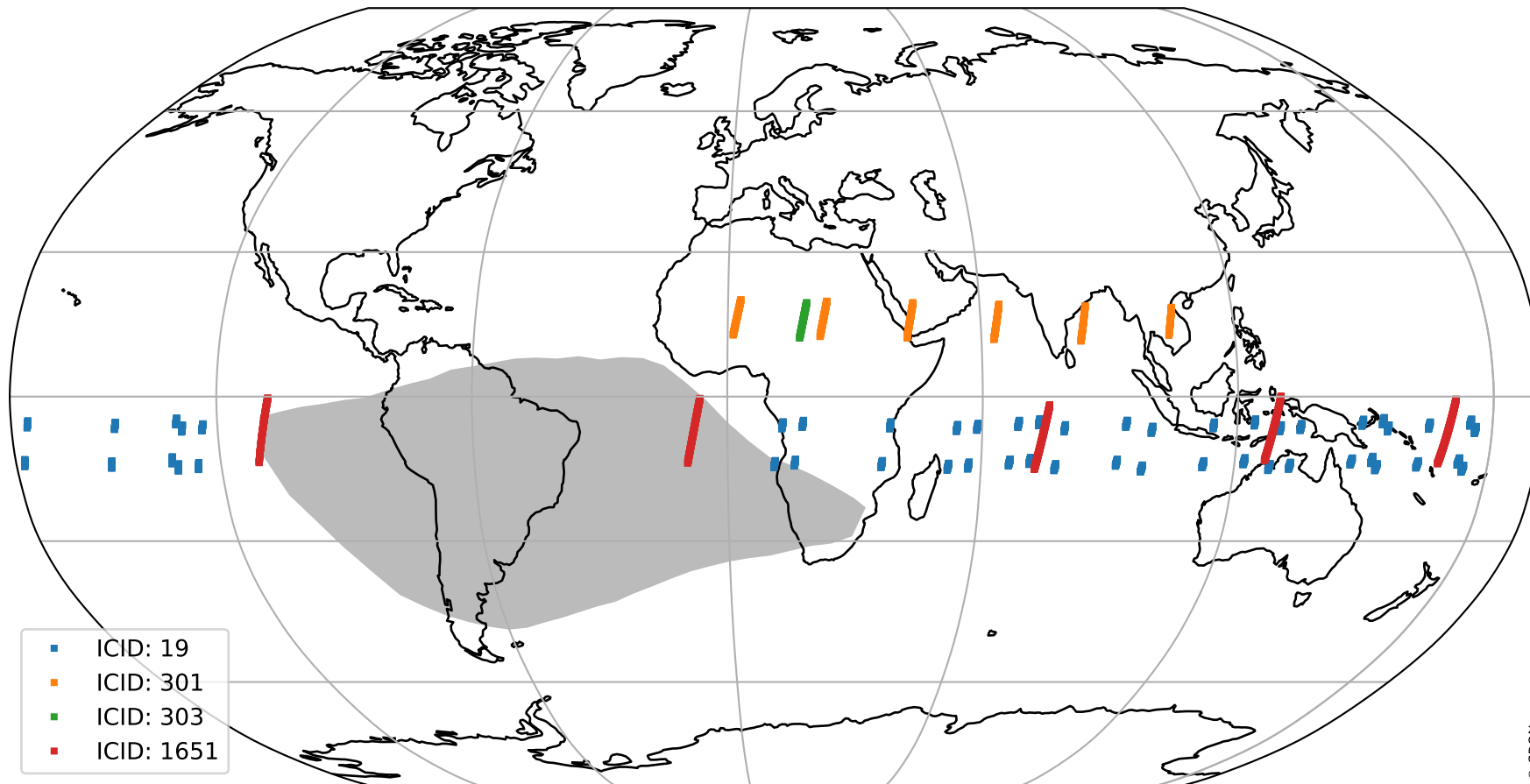
normalized read noise





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

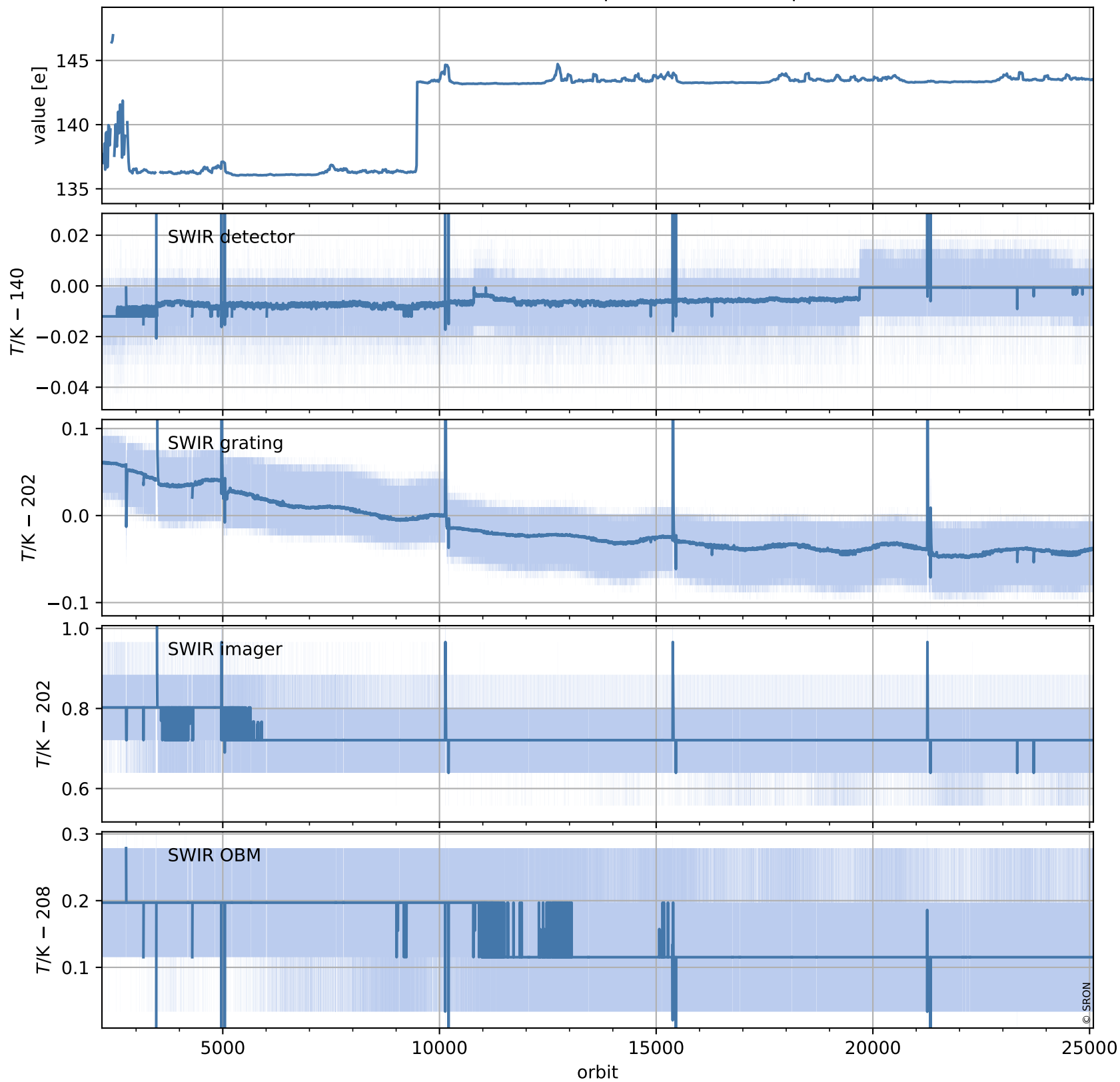
orbits : 12 in [24997, 25087]  
coverage : 2022-08-10 / 2022-08-16  
created : 2023-08-21T16:40:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 25087]  
coverage : 2018-03-18 / 2022-08-16  
created : 2023-08-21T16:40:50

## trend of detector median of plain noise & temperatures

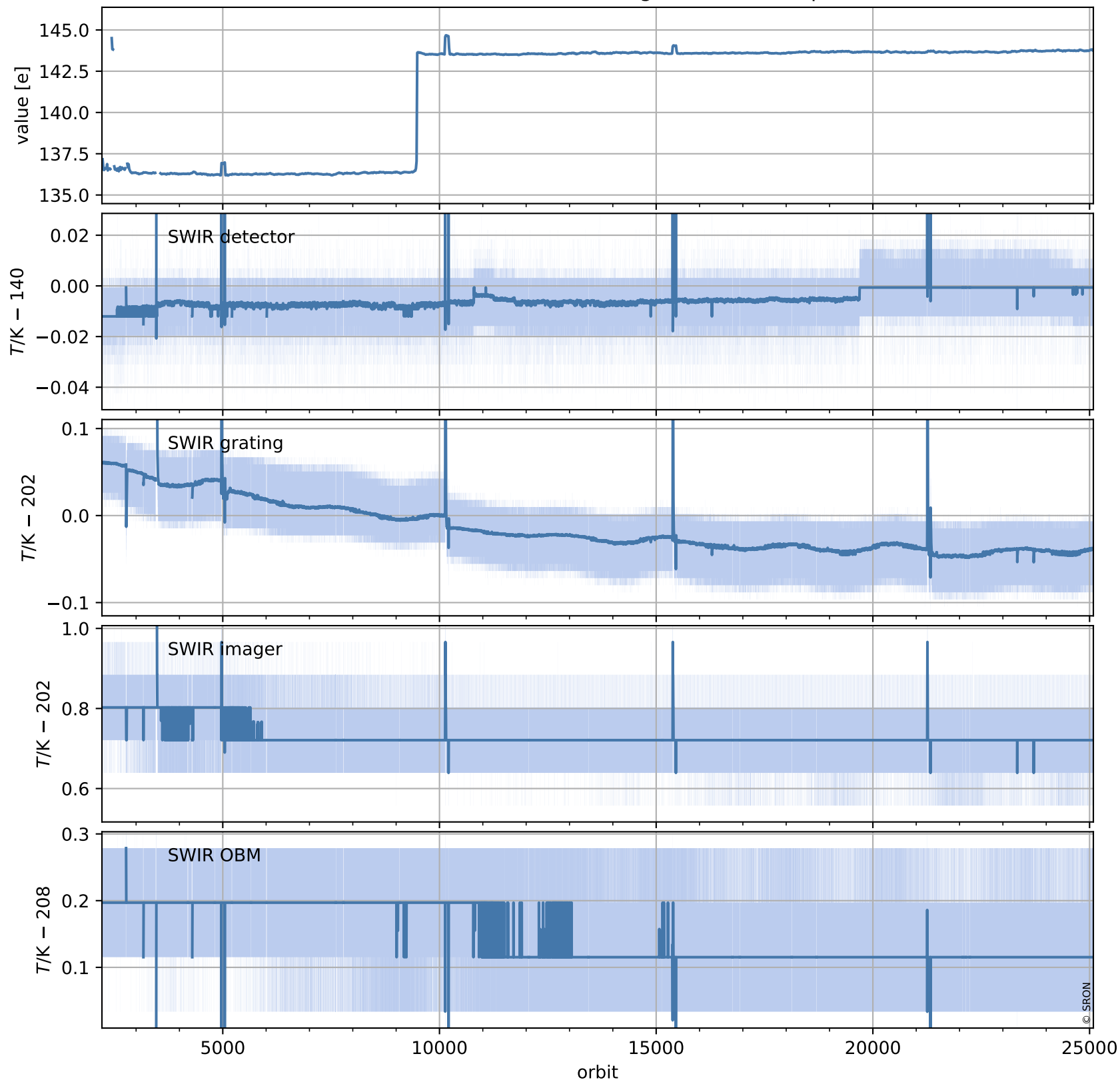




# Tropomi SWIR background noise (swir)

orbits : [2212, 25087]  
coverage : 2018-03-18 / 2022-08-16  
created : 2023-08-21T16:40:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25087]  
coverage : 2018-03-18 / 2022-08-16  
created : 2023-08-21T16:40:52

## trend of normalized read-noise & temperatures

