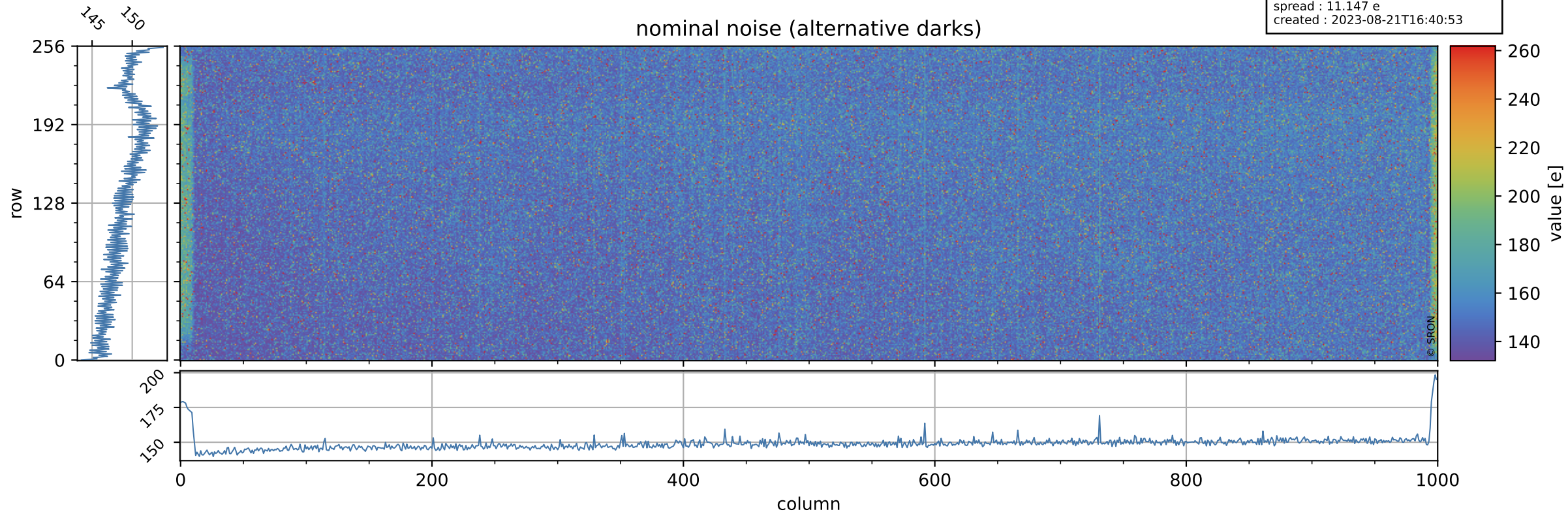


# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.82 e  
spread : 11.147 e  
created : 2023-08-21T16:40:53

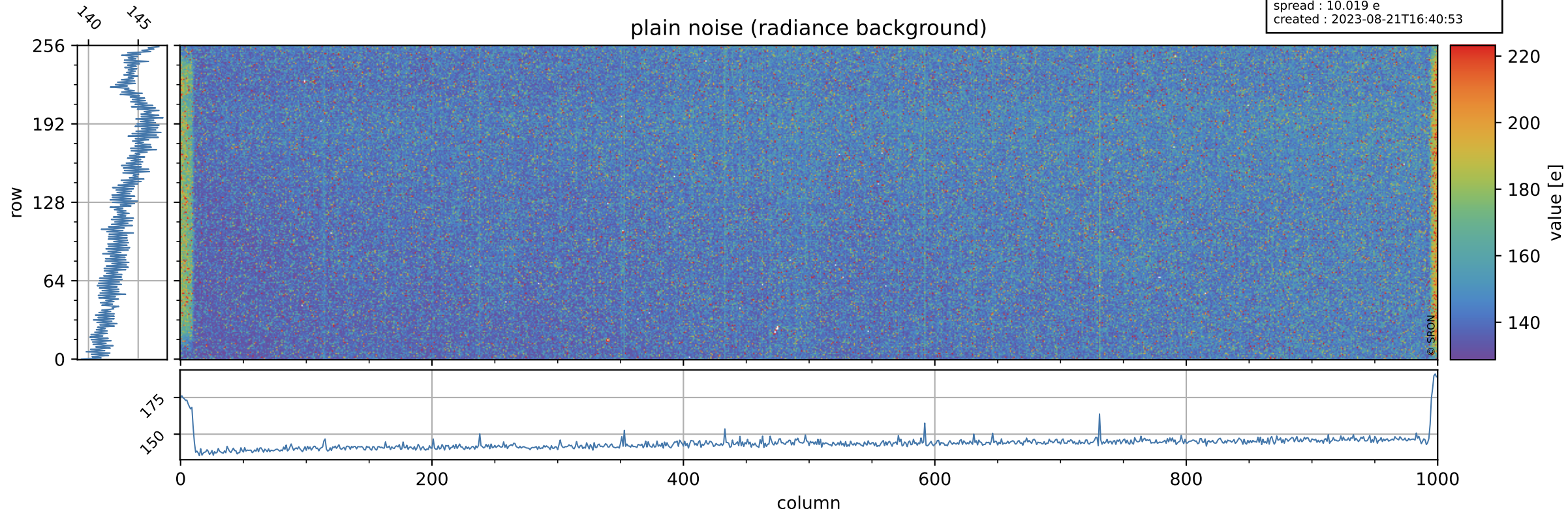
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.59 e  
spread : 10.019 e  
created : 2023-08-21T16:40:53

plain noise (radiance background)

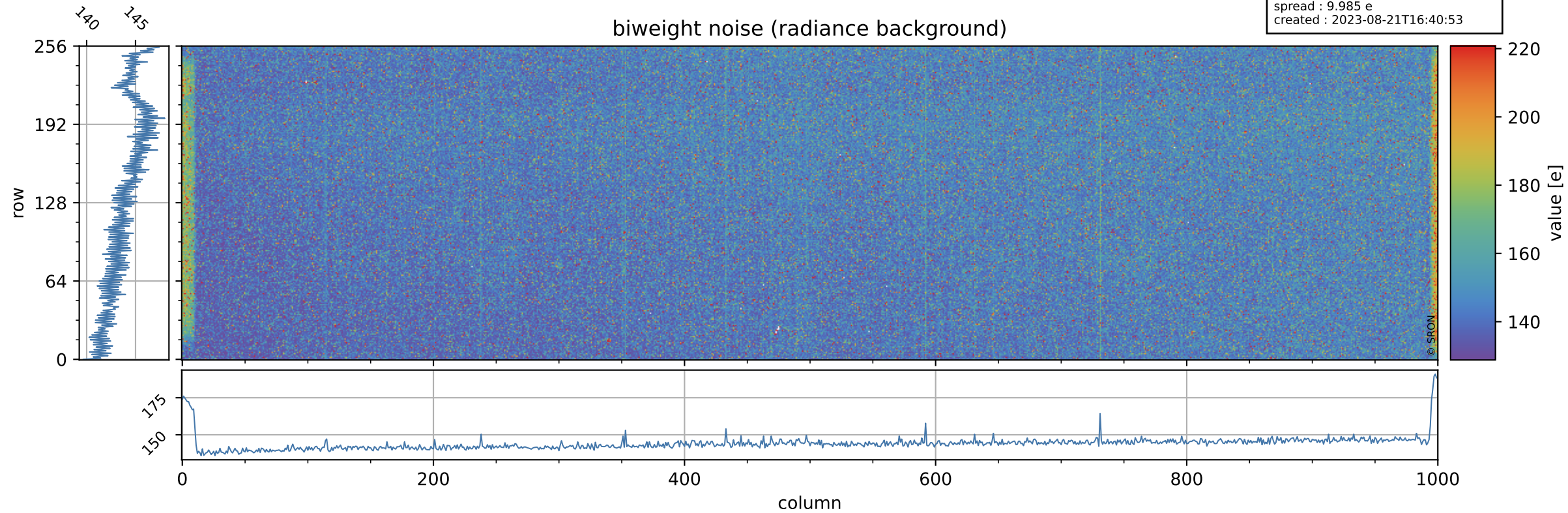




# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.985 e  
created : 2023-08-21T16:40:53

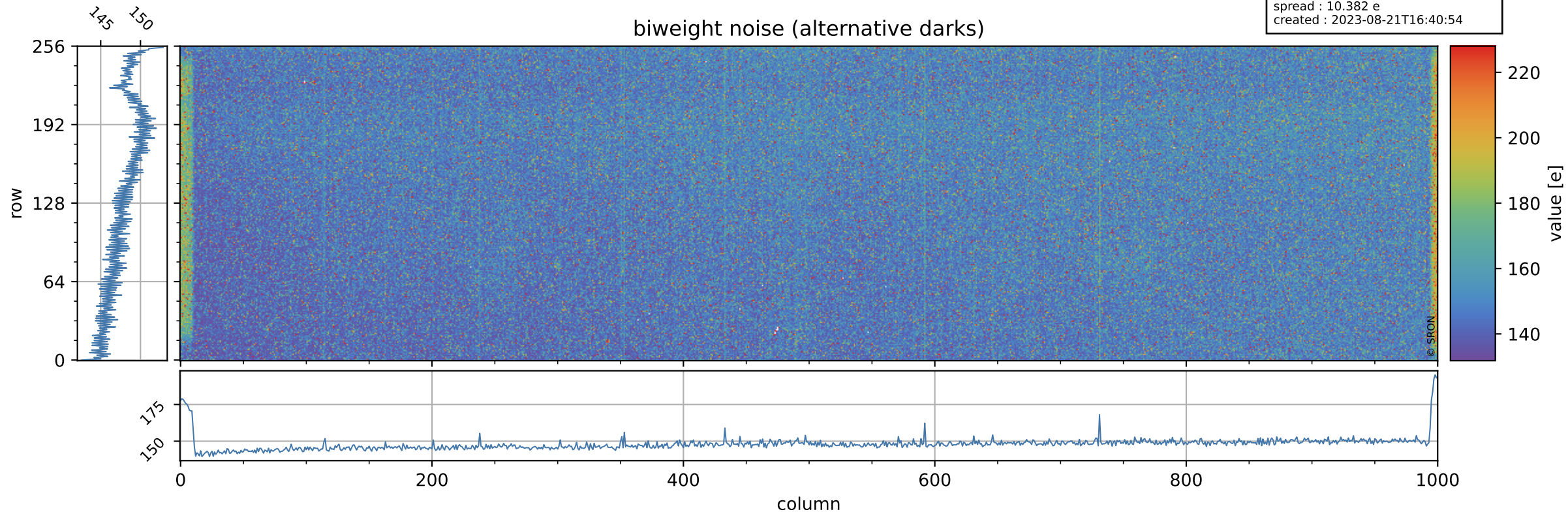
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.382 e  
created : 2023-08-21T16:40:54

## biweight noise (alternative darks)

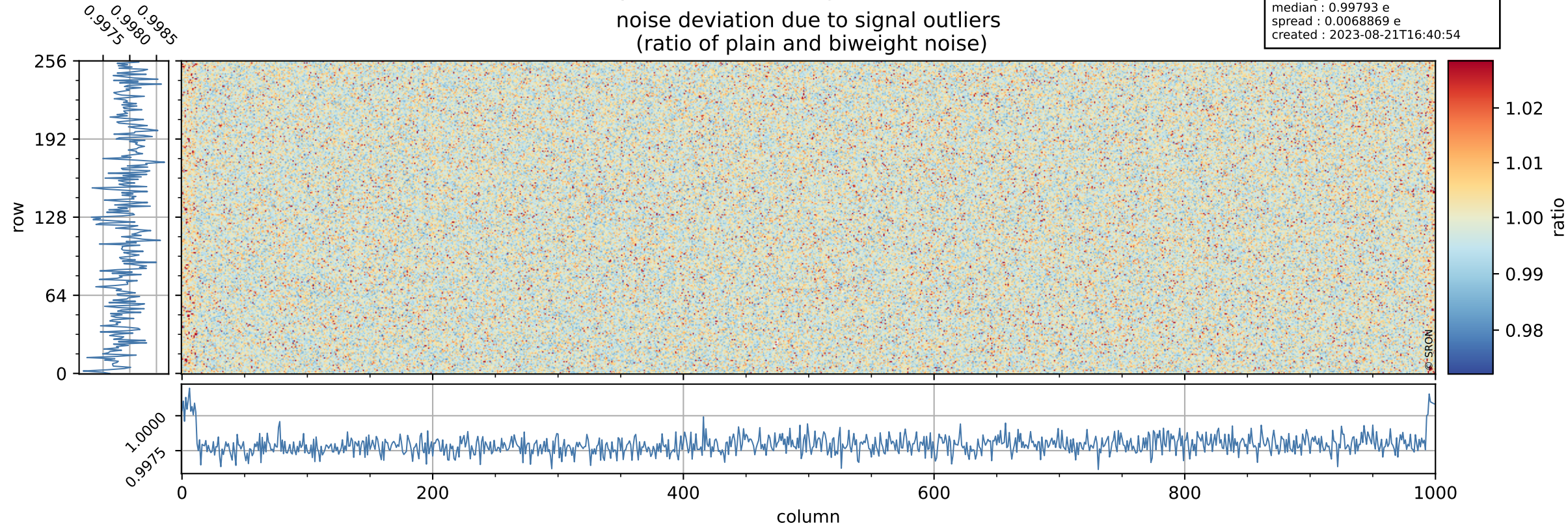




# Tropomi SWIR background noise (swir)

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

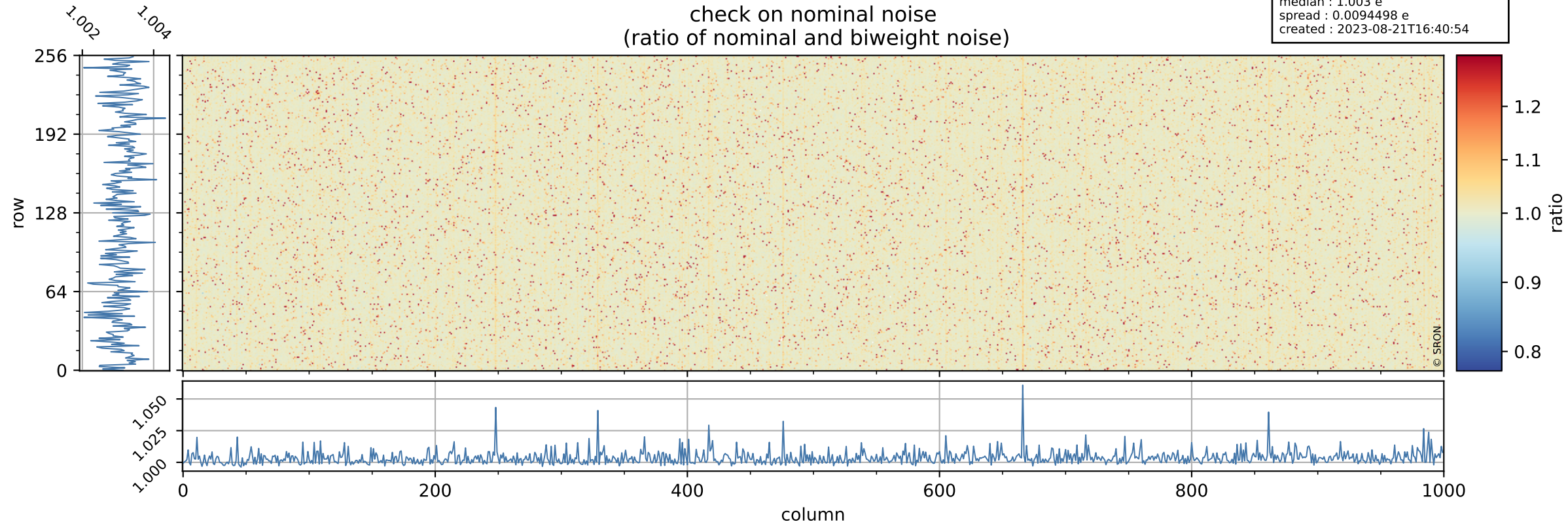
orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
median : 0.99793 e  
spread : 0.0068869 e  
created : 2023-08-21T16:40:54



# Tropomi SWIR background noise (swir)

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

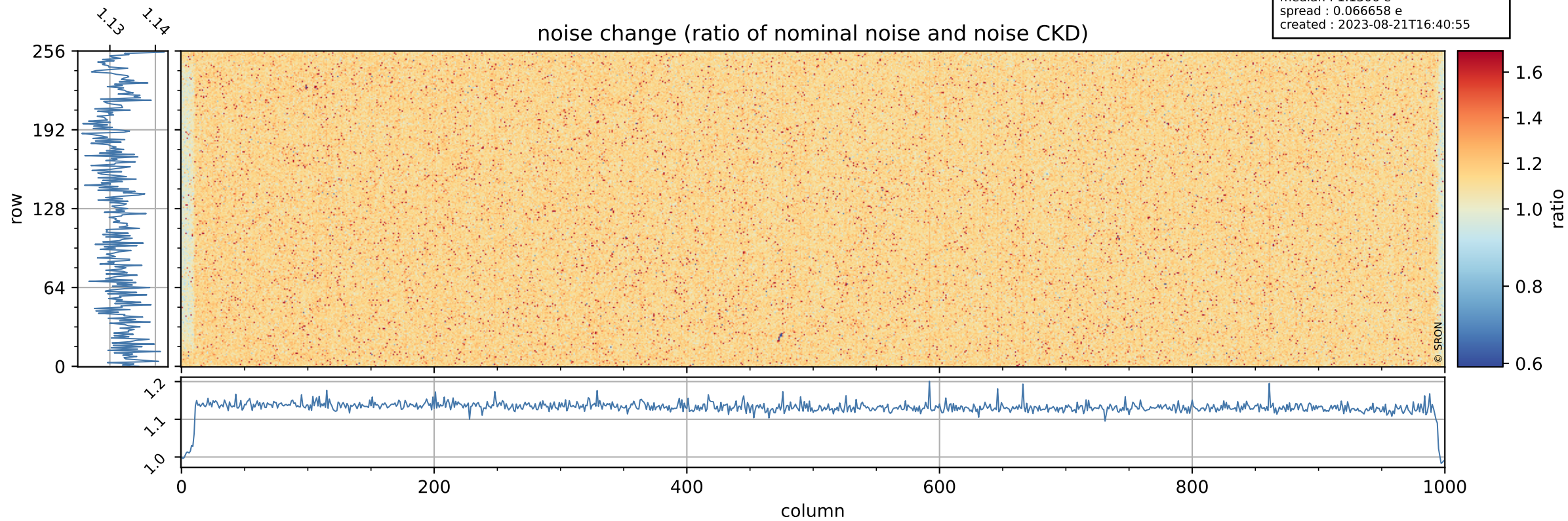
orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
median : 1.003 e  
spread : 0.0094498 e  
created : 2023-08-21T16:40:54





# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
median : 1.1306 e  
spread : 0.066658 e  
created : 2023-08-21T16:40:55

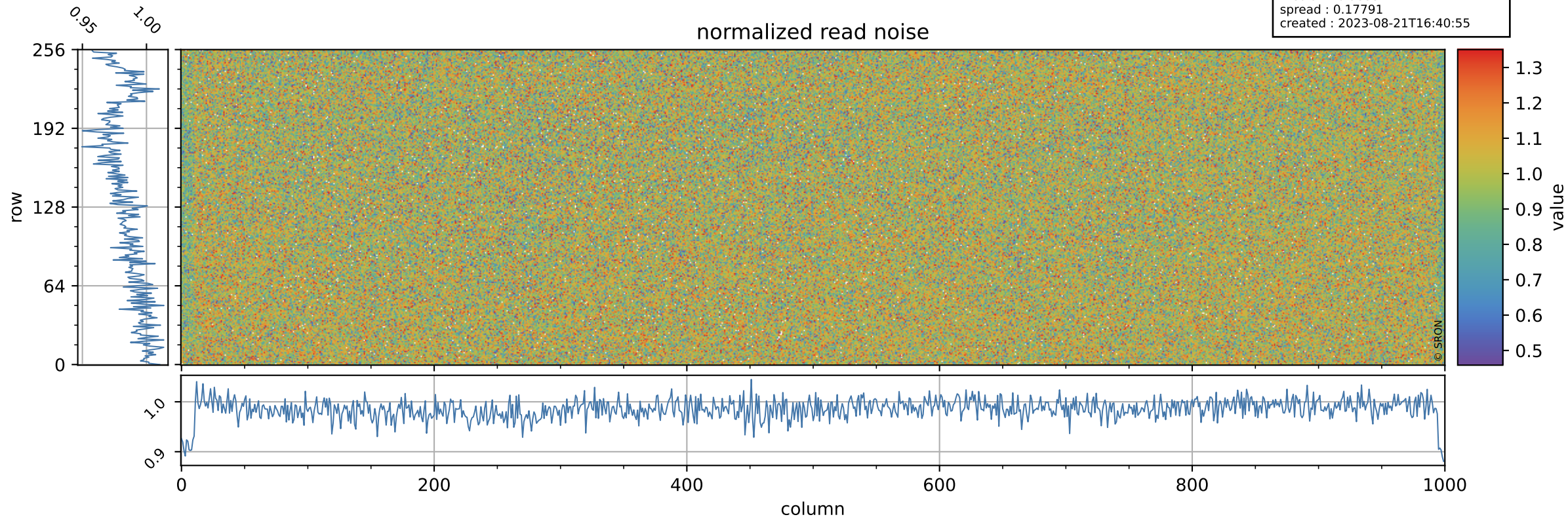




# Tropomi SWIR background noise (swir)

orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
median : 0.98357  
spread : 0.17791  
created : 2023-08-21T16:40:55

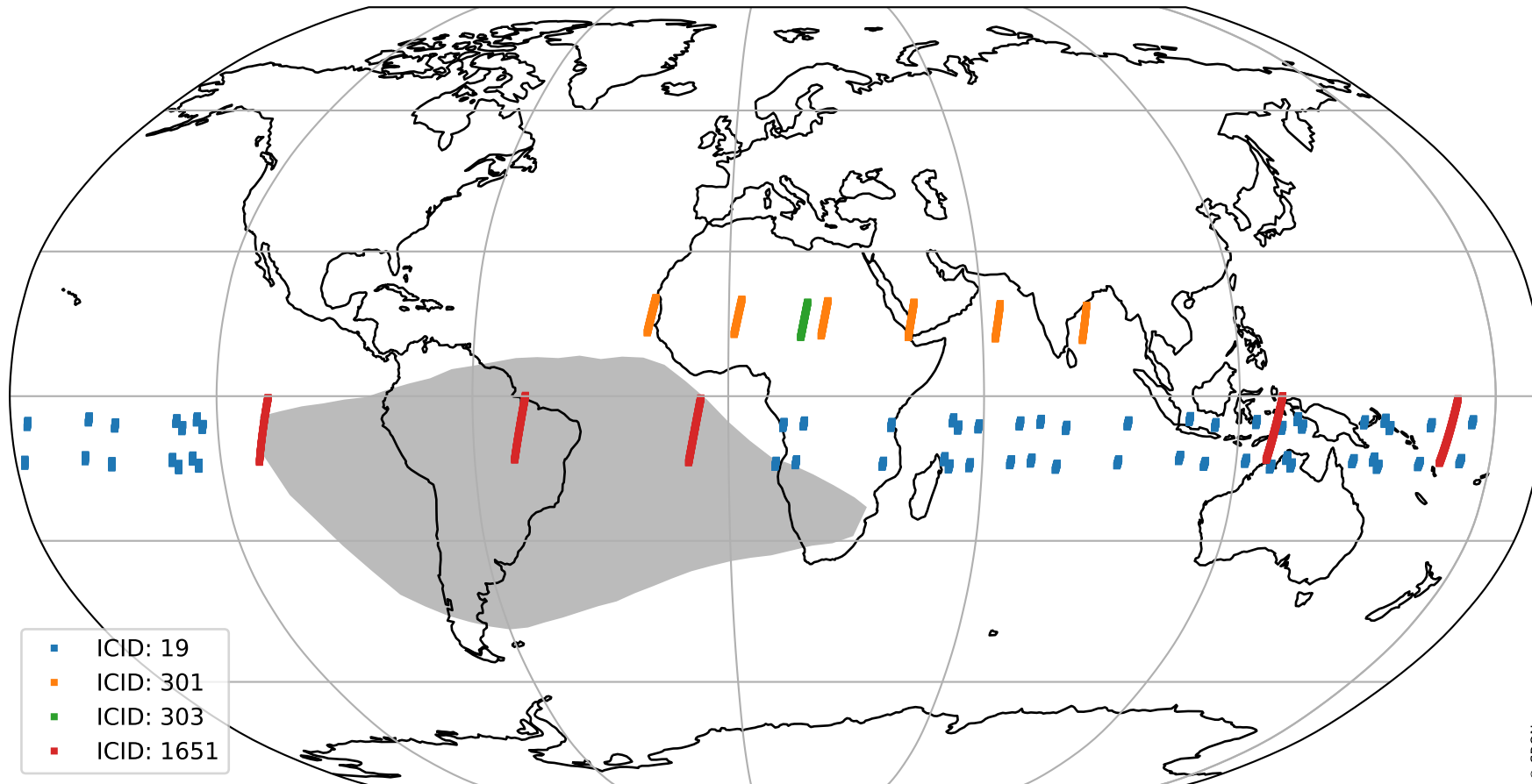
normalized read noise





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

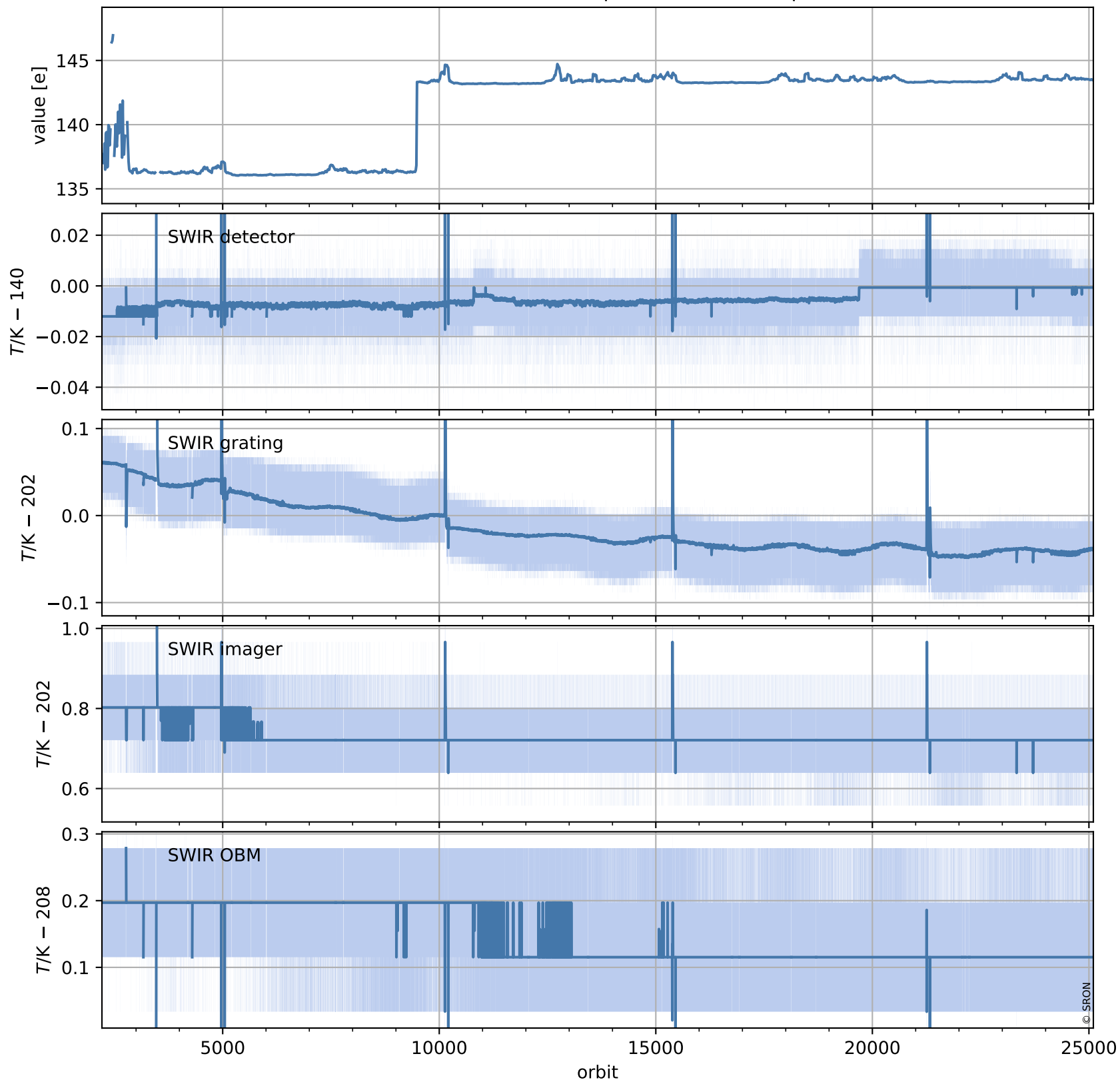
orbits : 12 in [25012, 25102]  
coverage : 2022-08-11 / 2022-08-17  
created : 2023-08-21T16:40:55



# Tropomi SWIR background noise (swir)

orbits : [2212, 25102]  
coverage : 2018-03-18 / 2022-08-17  
created : 2023-08-21T16:40:56

## trend of detector median of plain noise & temperatures

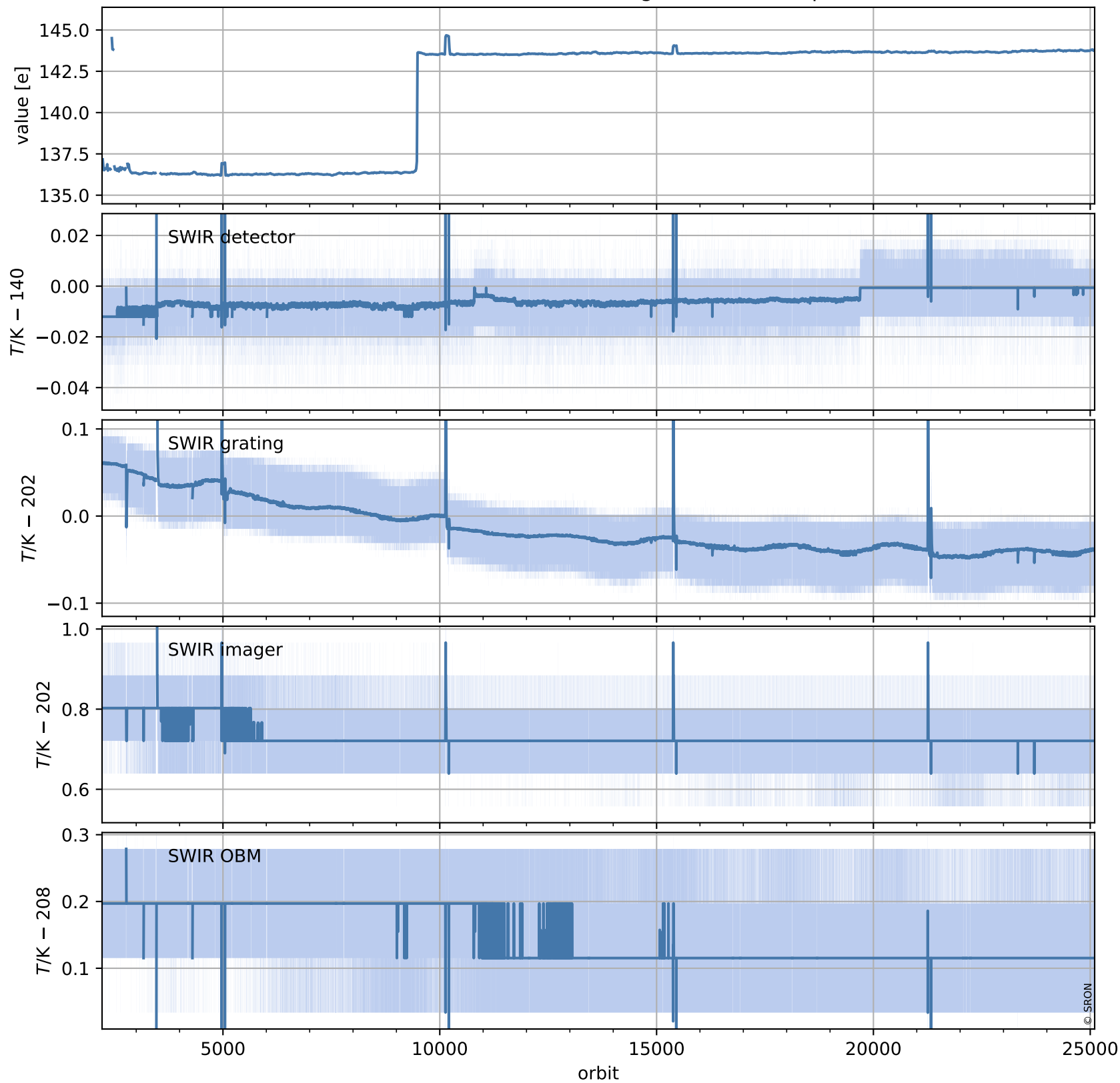




# Tropomi SWIR background noise (swir)

orbits : [2212, 25102]  
coverage : 2018-03-18 / 2022-08-17  
created : 2023-08-21T16:40:56

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25102]  
coverage : 2018-03-18 / 2022-08-17  
created : 2023-08-21T16:40:57

## trend of normalized read-noise & temperatures

