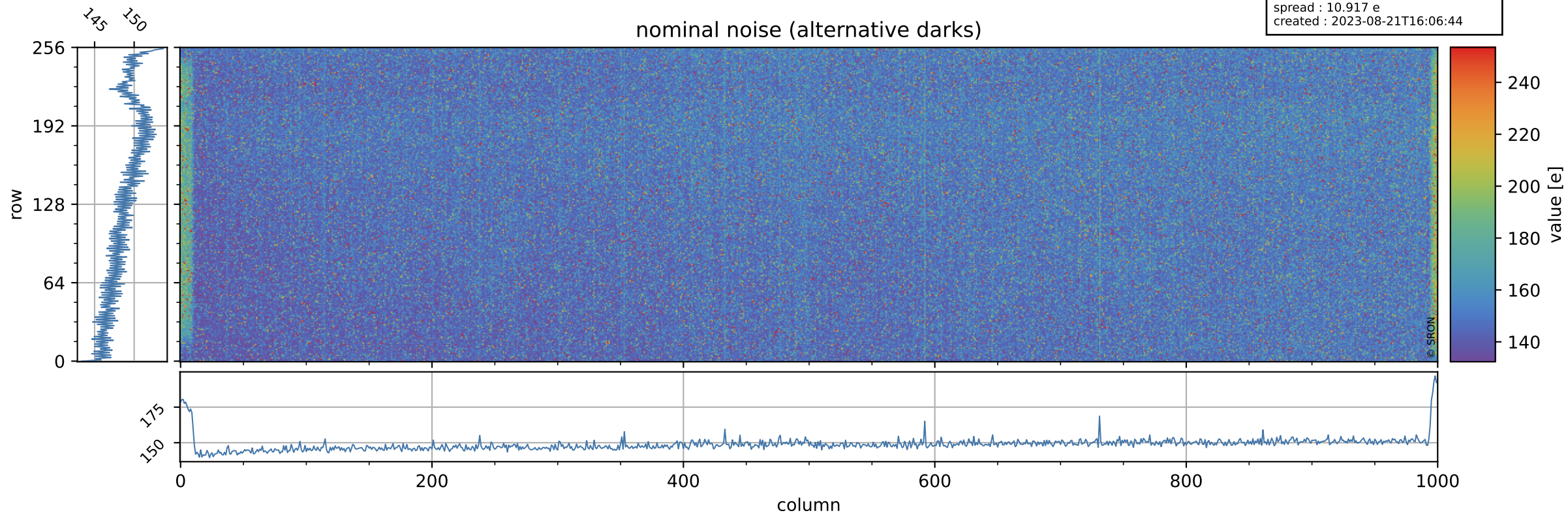


# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 10.917 e  
created : 2023-08-21T16:06:44

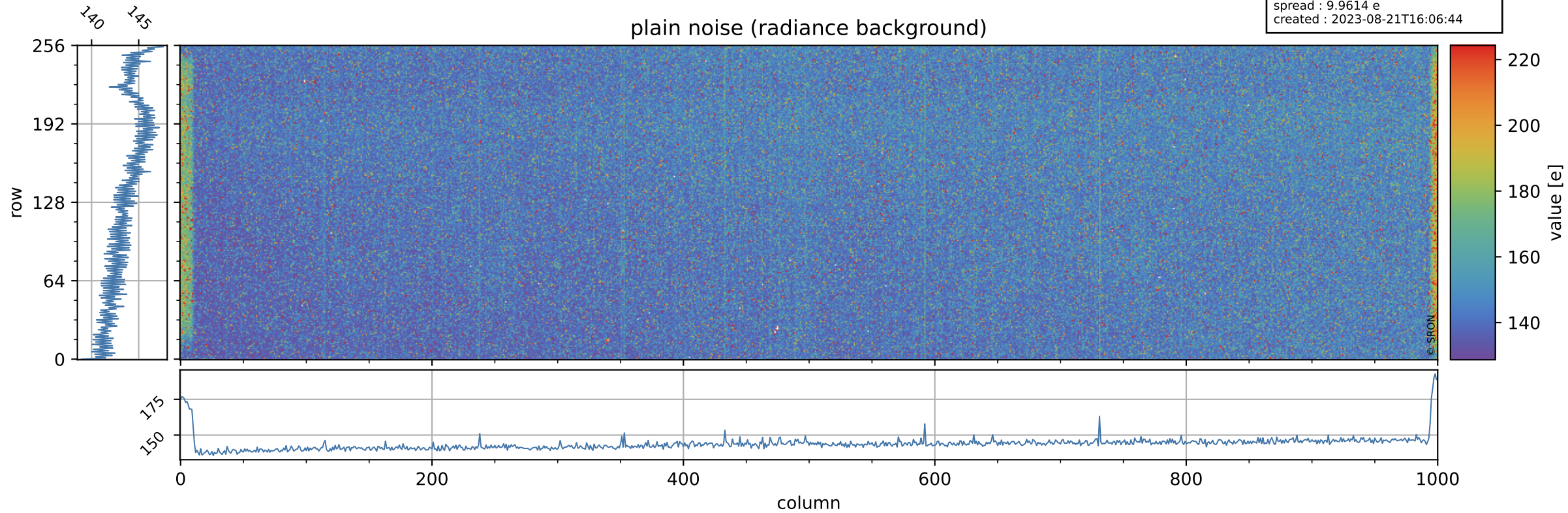
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.9614 e  
created : 2023-08-21T16:06:44

## plain noise (radiance background)

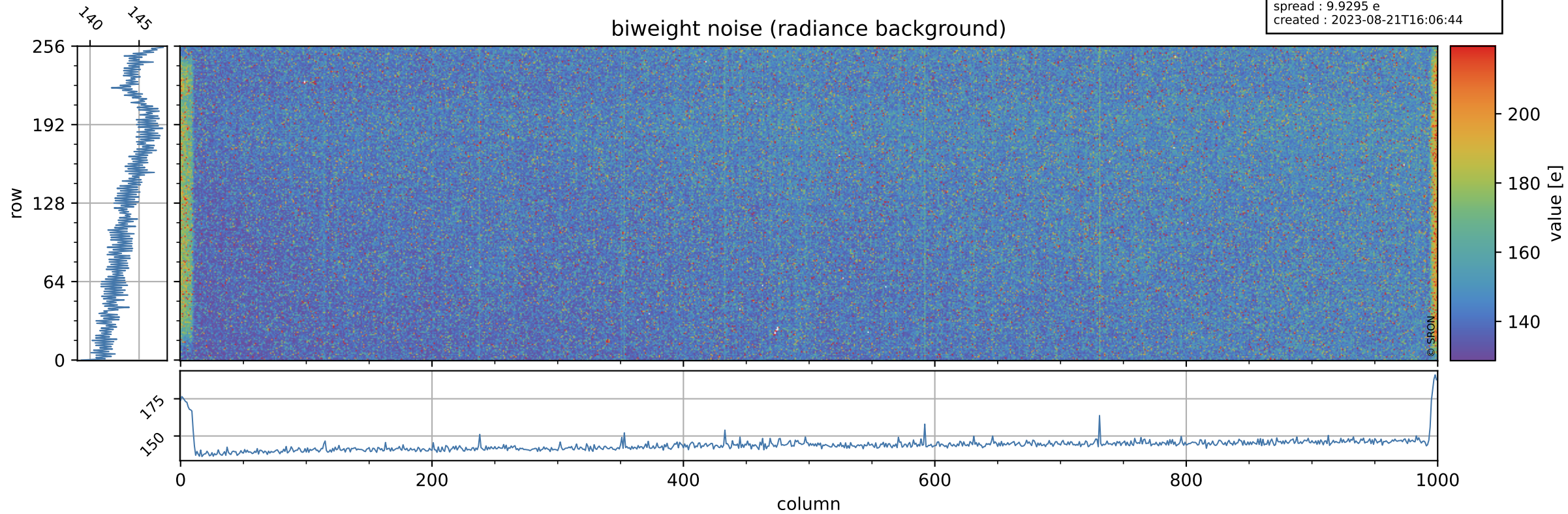




# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.9295 e  
created : 2023-08-21T16:06:44

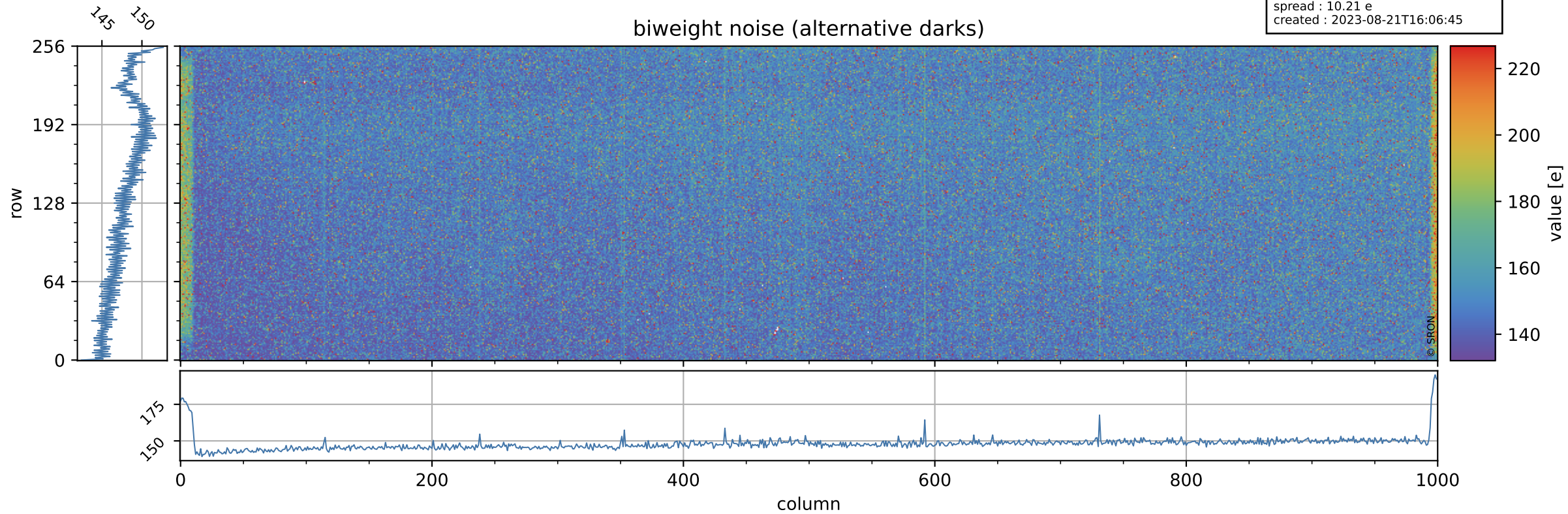
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.21 e  
created : 2023-08-21T16:06:45

## biweight noise (alternative darks)

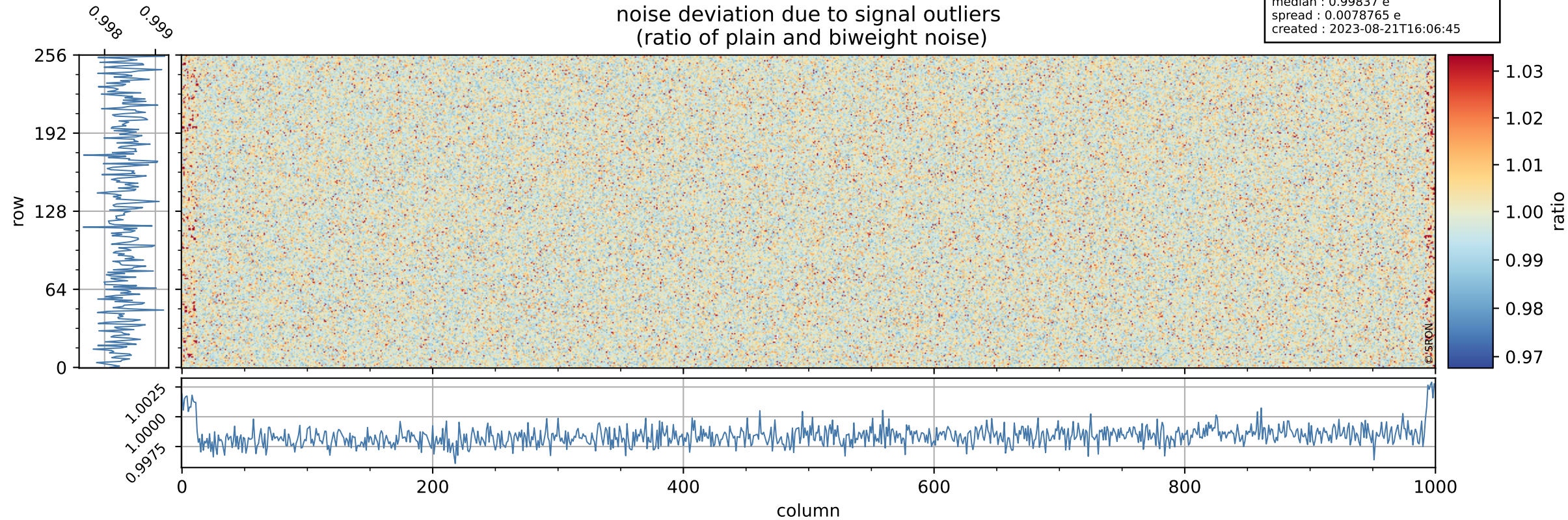




# Tropomi SWIR background noise (swir)

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

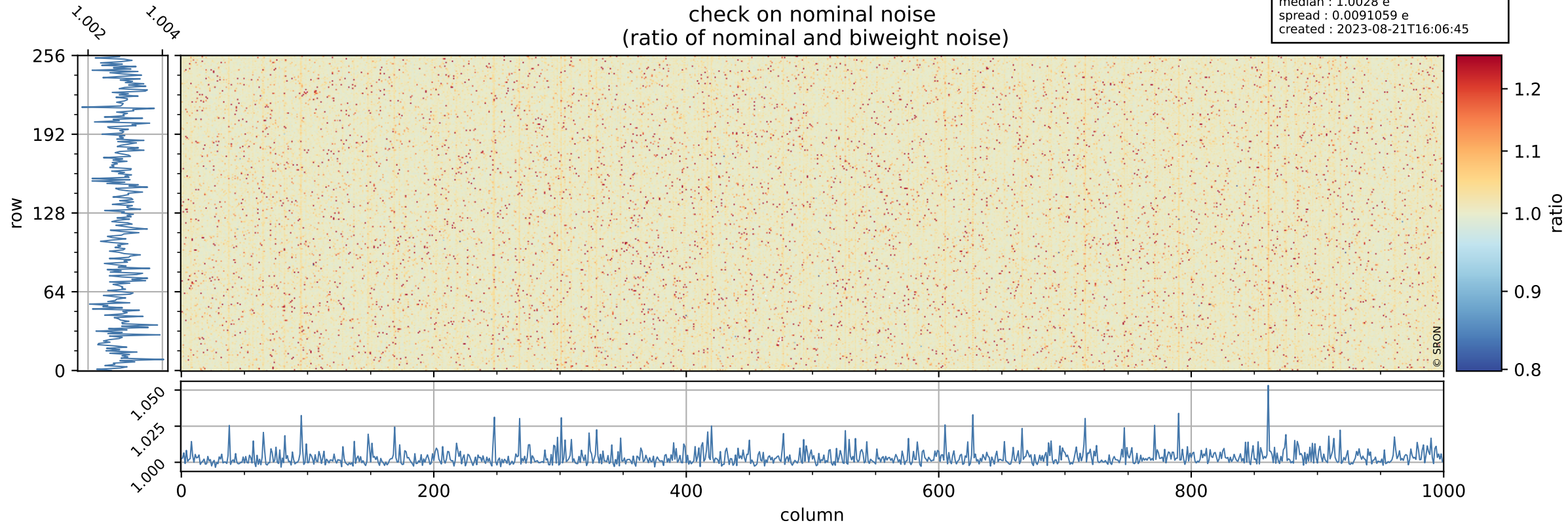
orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
median : 0.99837 e  
spread : 0.0078765 e  
created : 2023-08-21T16:06:45



# Tropomi SWIR background noise (swir)

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

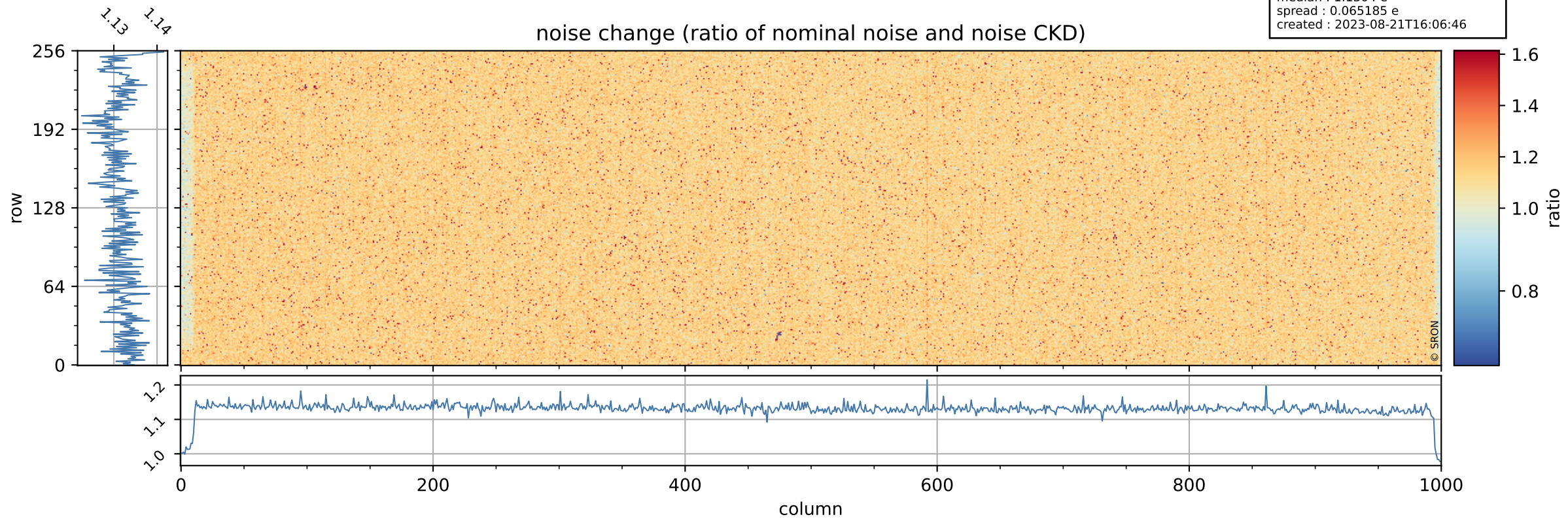
orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
median : 1.0028 e  
spread : 0.0091059 e  
created : 2023-08-21T16:06:45





# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
median : 1.1304 e  
spread : 0.065185 e  
created : 2023-08-21T16:06:46

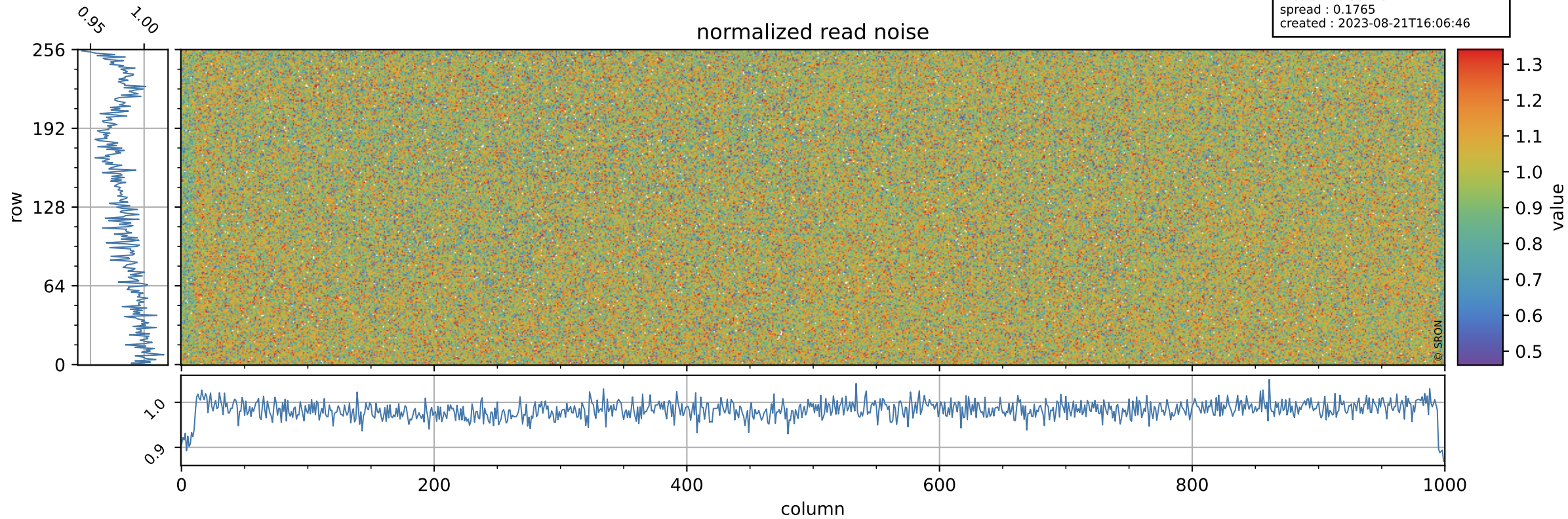




# Tropomi SWIR background noise (swir)

orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
median : 0.98116  
spread : 0.1765  
created : 2023-08-21T16:06:46

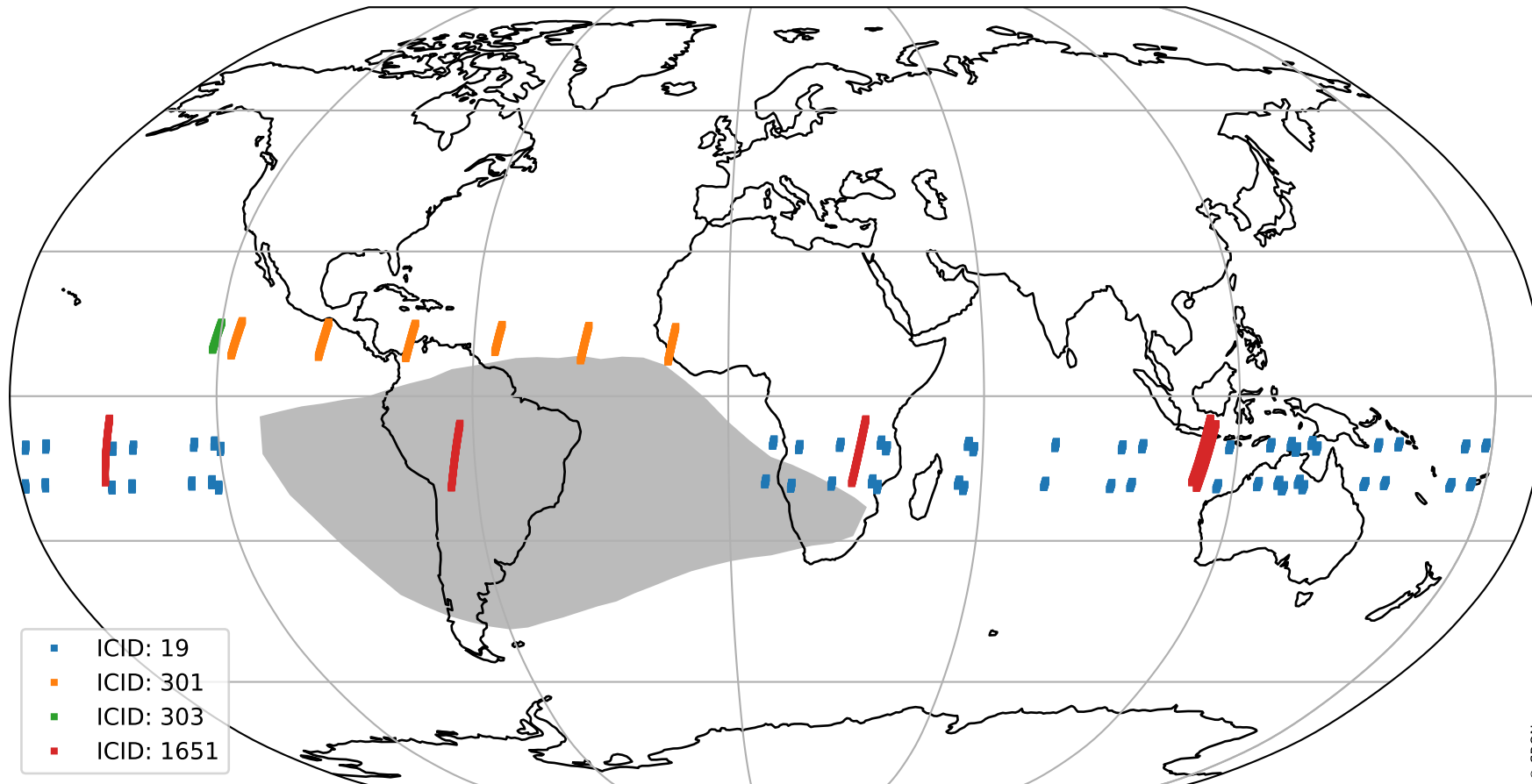
normalized read noise





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

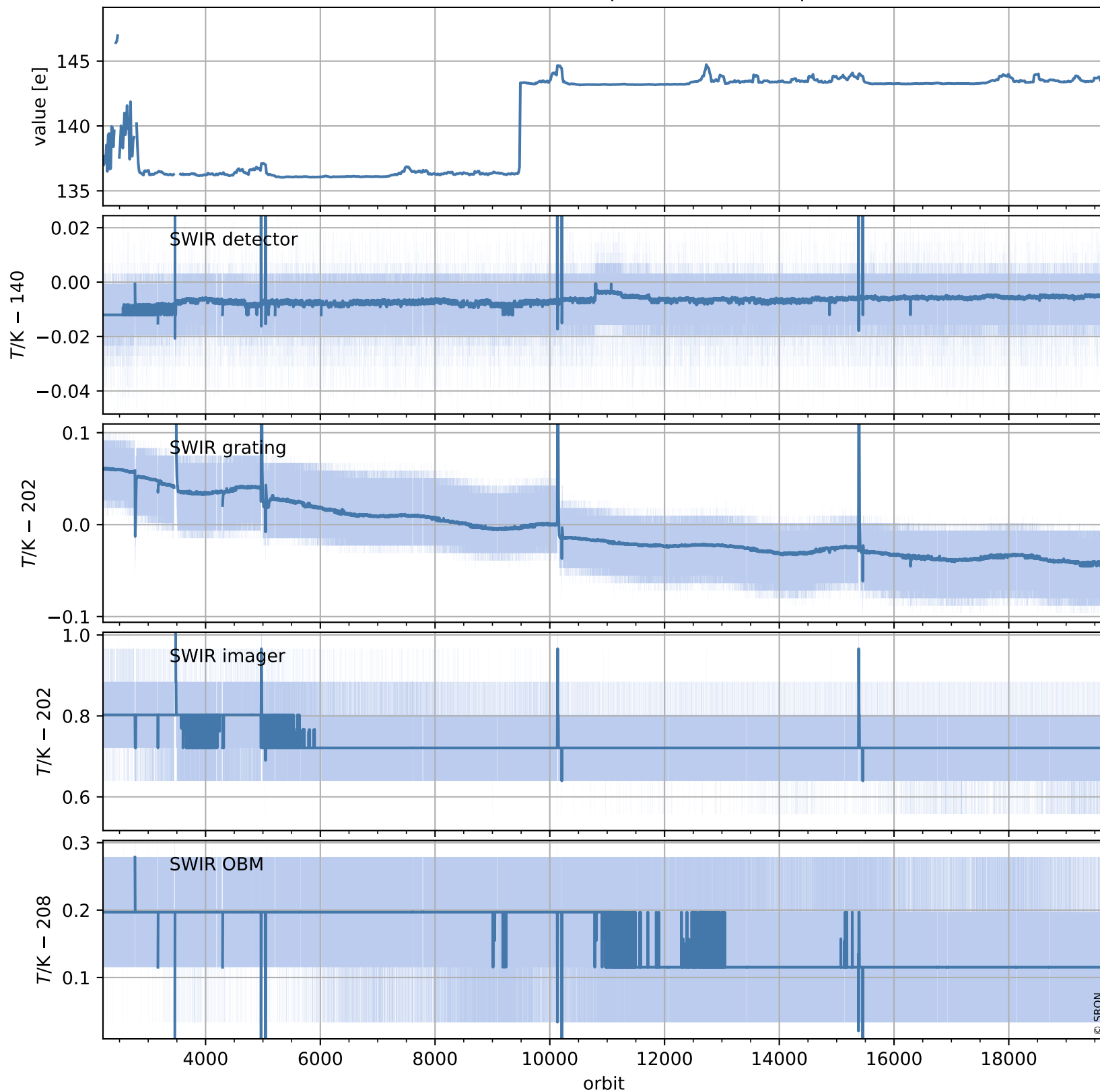
orbits : 12 in [19582, 19672]  
coverage : 2021-07-25 / 2021-07-30  
created : 2023-08-21T16:06:46



# Tropomi SWIR background noise (swir)

orbits : [2212, 19672]  
coverage : 2018-03-18 / 2021-07-30  
created : 2023-08-21T16:06:46

## trend of detector median of plain noise & temperatures

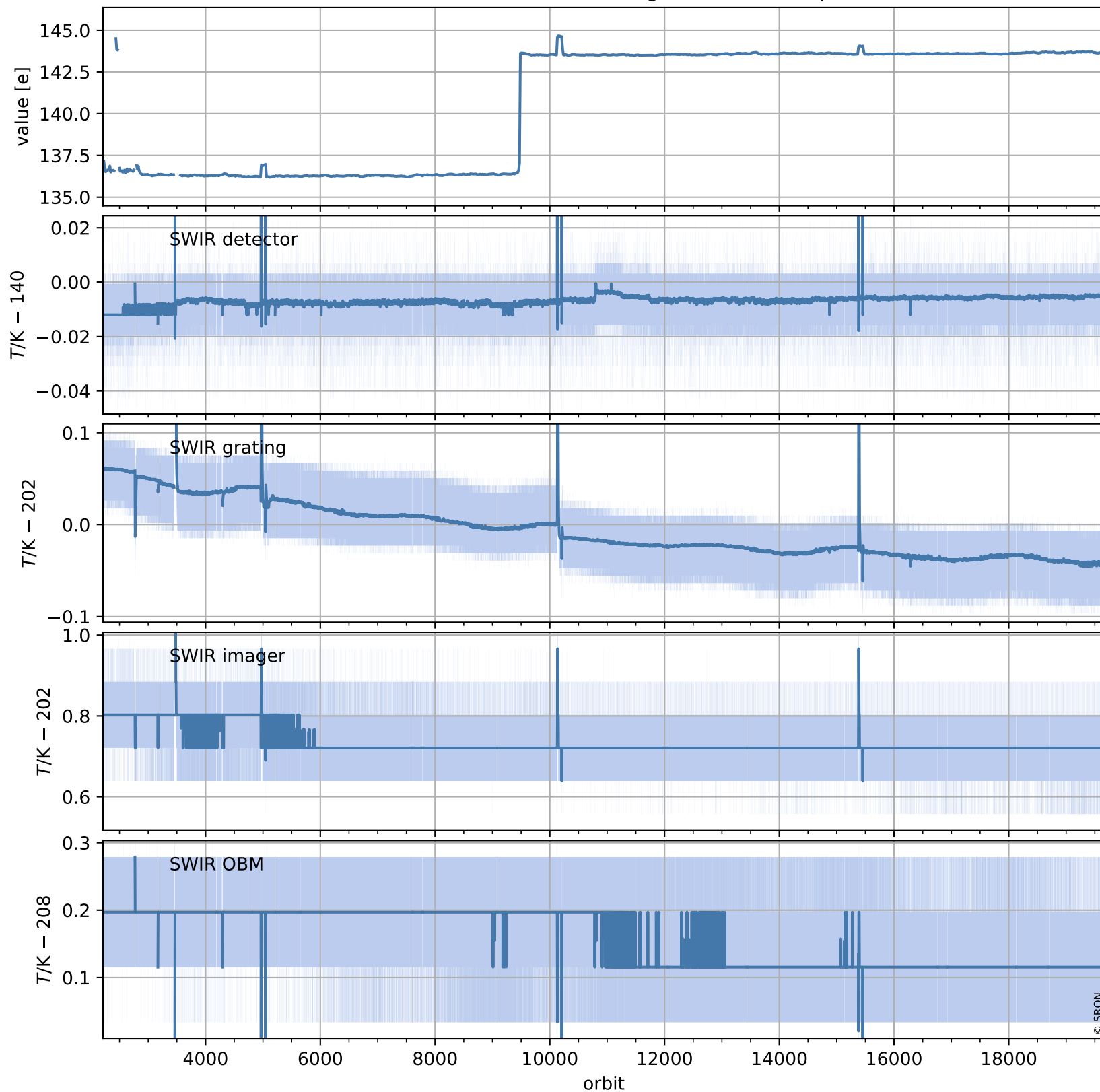




# Tropomi SWIR background noise (swir)

orbits : [2212, 19672]  
coverage : 2018-03-18 / 2021-07-30  
created : 2023-08-21T16:06:47

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19672]  
coverage : 2018-03-18 / 2021-07-30  
created : 2023-08-21T16:06:48

## trend of normalized read-noise & temperatures

