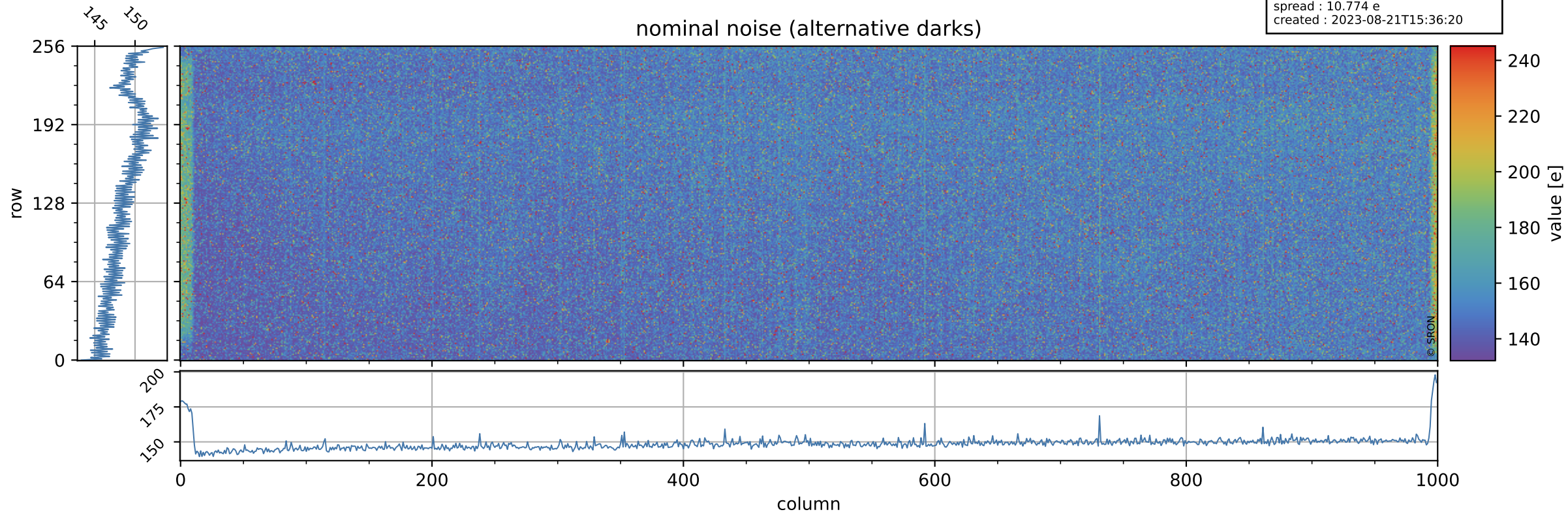


# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.774 e  
created : 2023-08-21T15:36:20

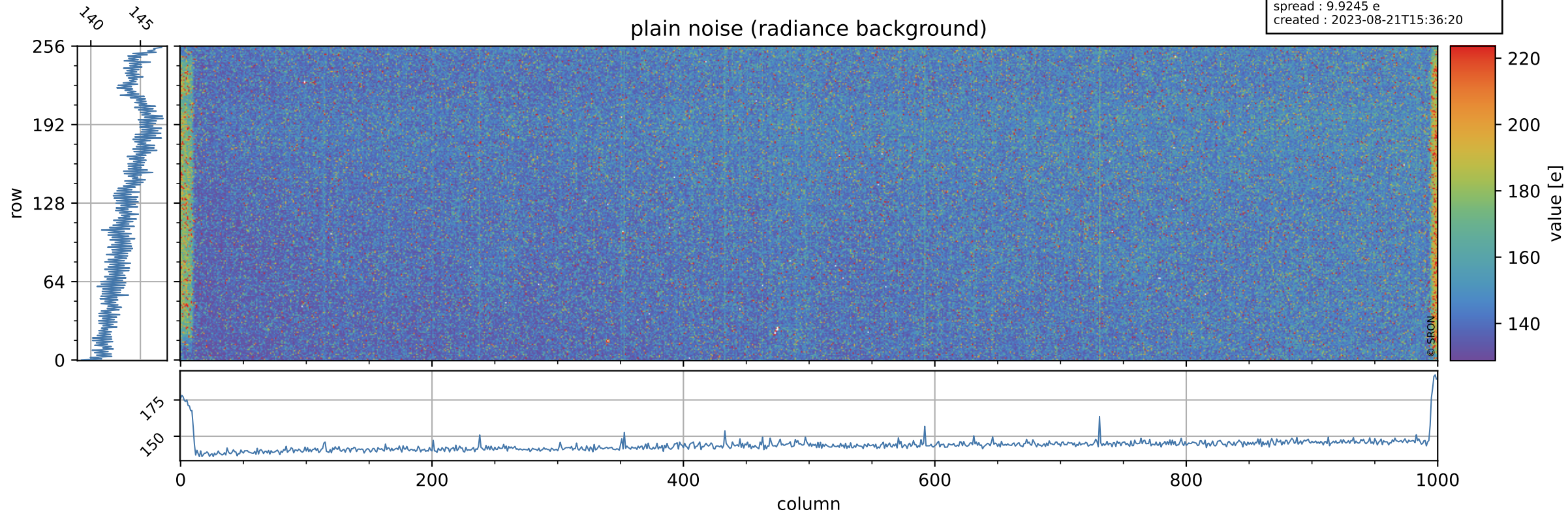
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.6 e  
spread : 9.9245 e  
created : 2023-08-21T15:36:20

## plain noise (radiance background)

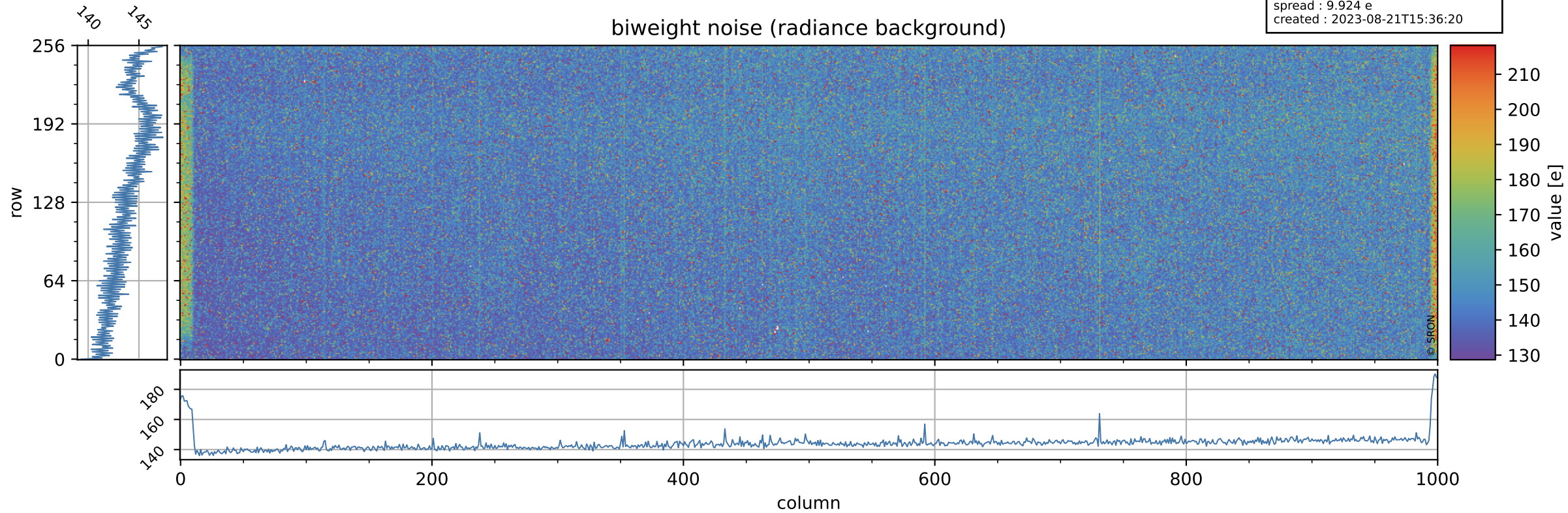




# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.924 e  
created : 2023-08-21T15:36:20

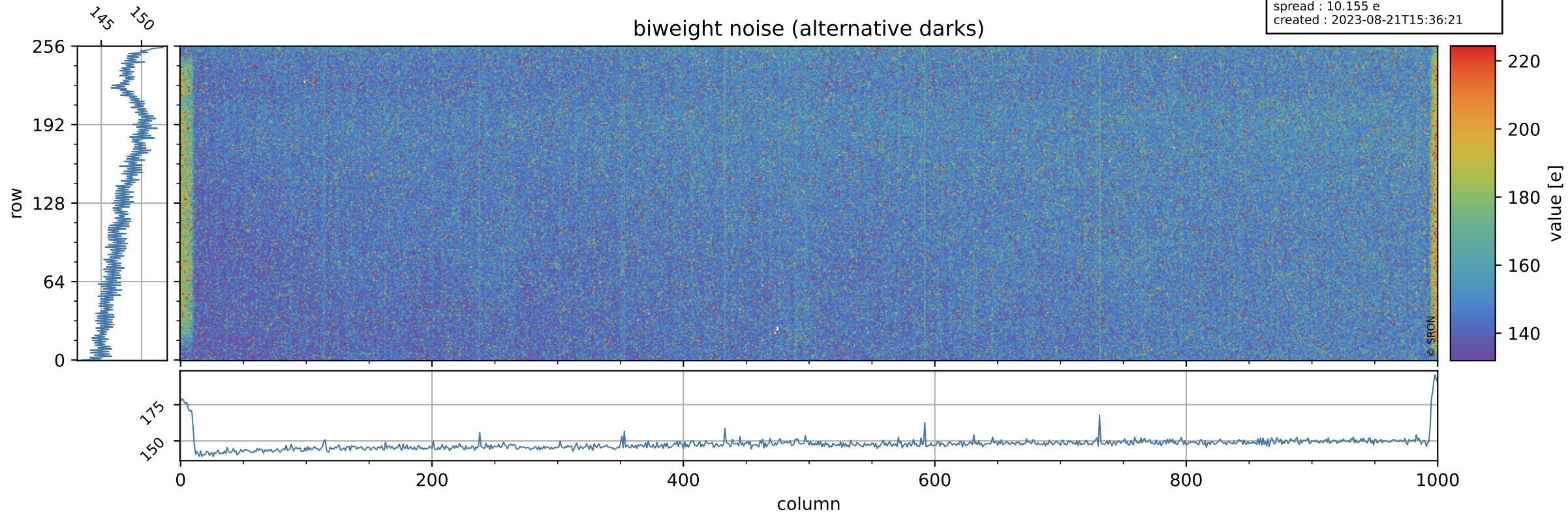
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.155 e  
created : 2023-08-21T15:36:21

## biweight noise (alternative darks)

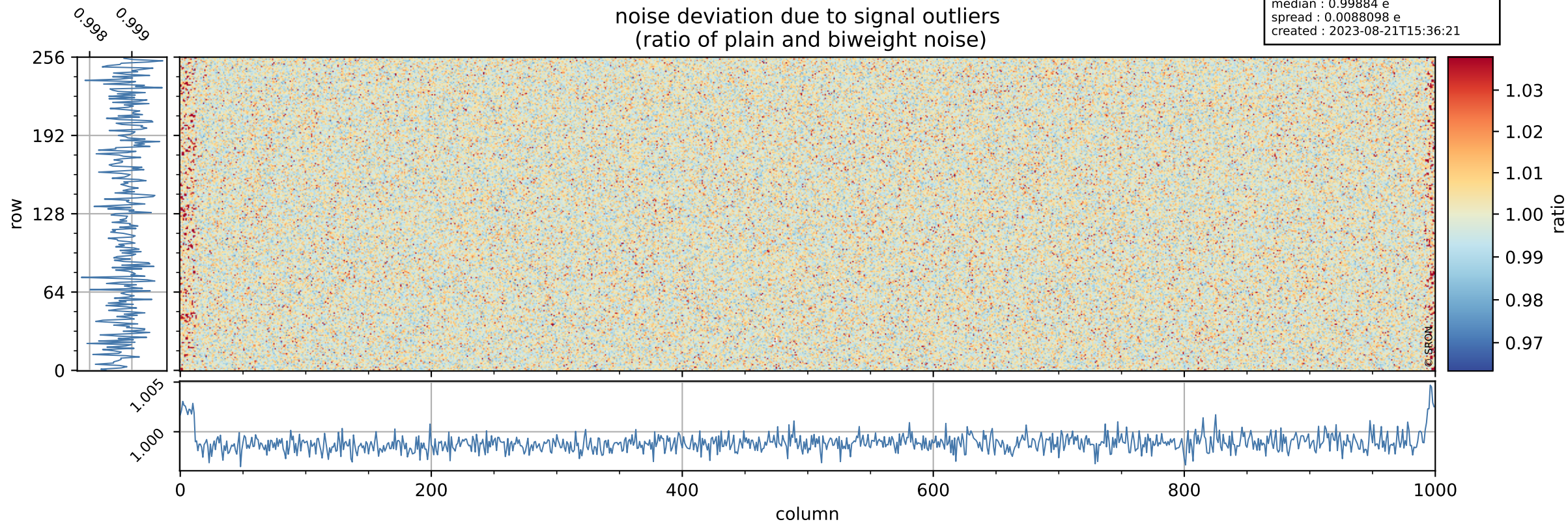




# Tropomi SWIR background noise (swir)

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

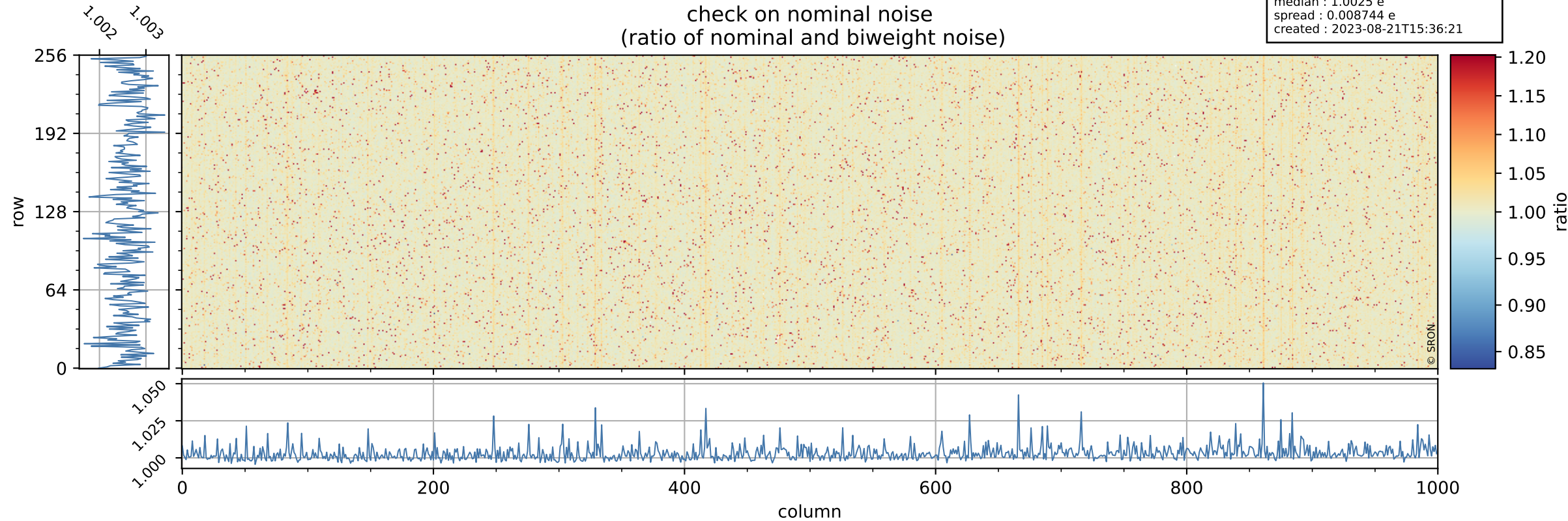
orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
median : 0.99884 e  
spread : 0.0088098 e  
created : 2023-08-21T15:36:21



# Tropomi SWIR background noise (swir)

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

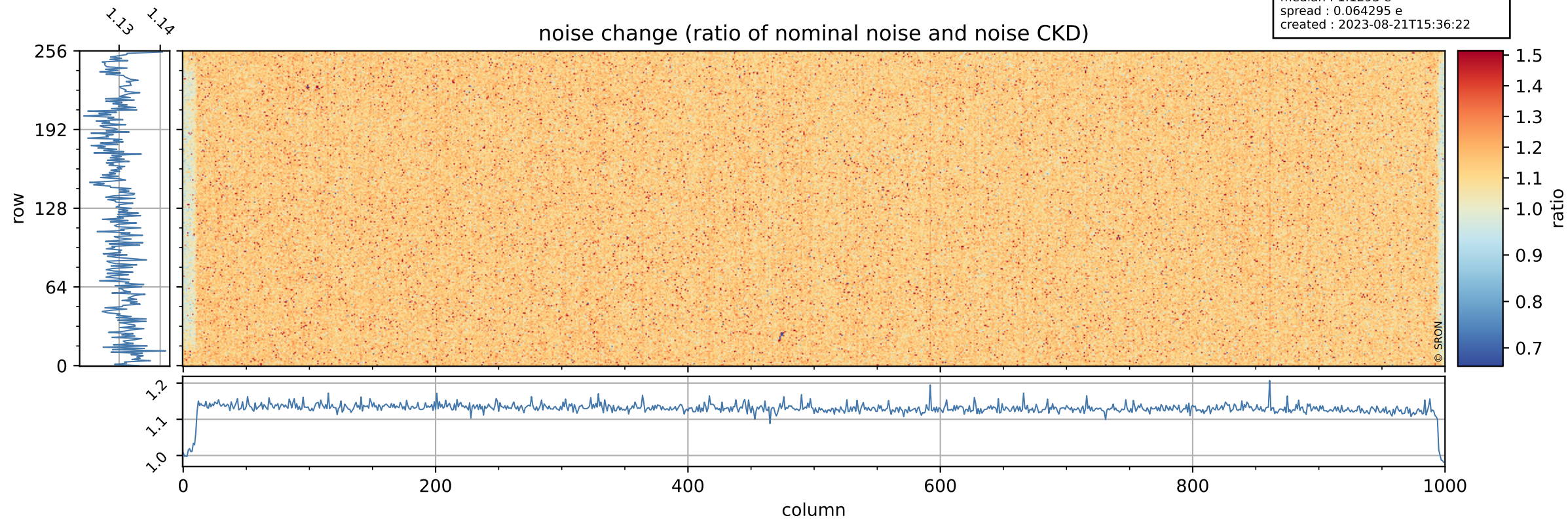
orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
median : 1.0025 e  
spread : 0.008744 e  
created : 2023-08-21T15:36:21





# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
median : 1.1293 e  
spread : 0.064295 e  
created : 2023-08-21T15:36:22

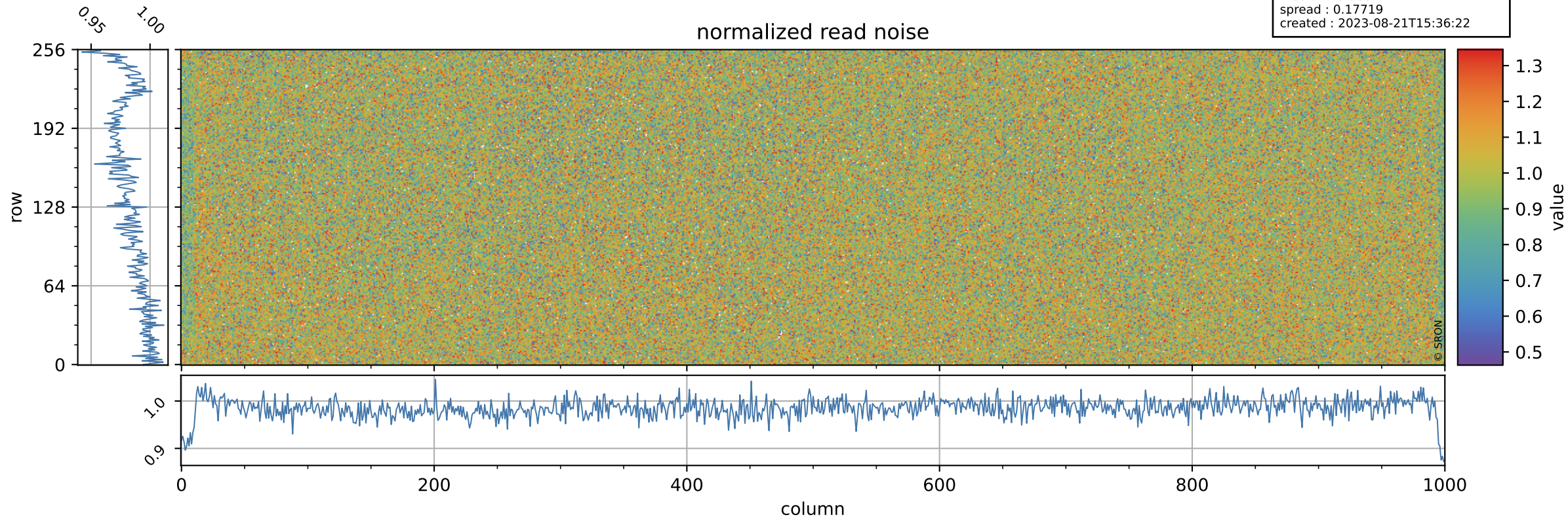




# Tropomi SWIR background noise (swir)

orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
median : 0.98324  
spread : 0.17719  
created : 2023-08-21T15:36:22

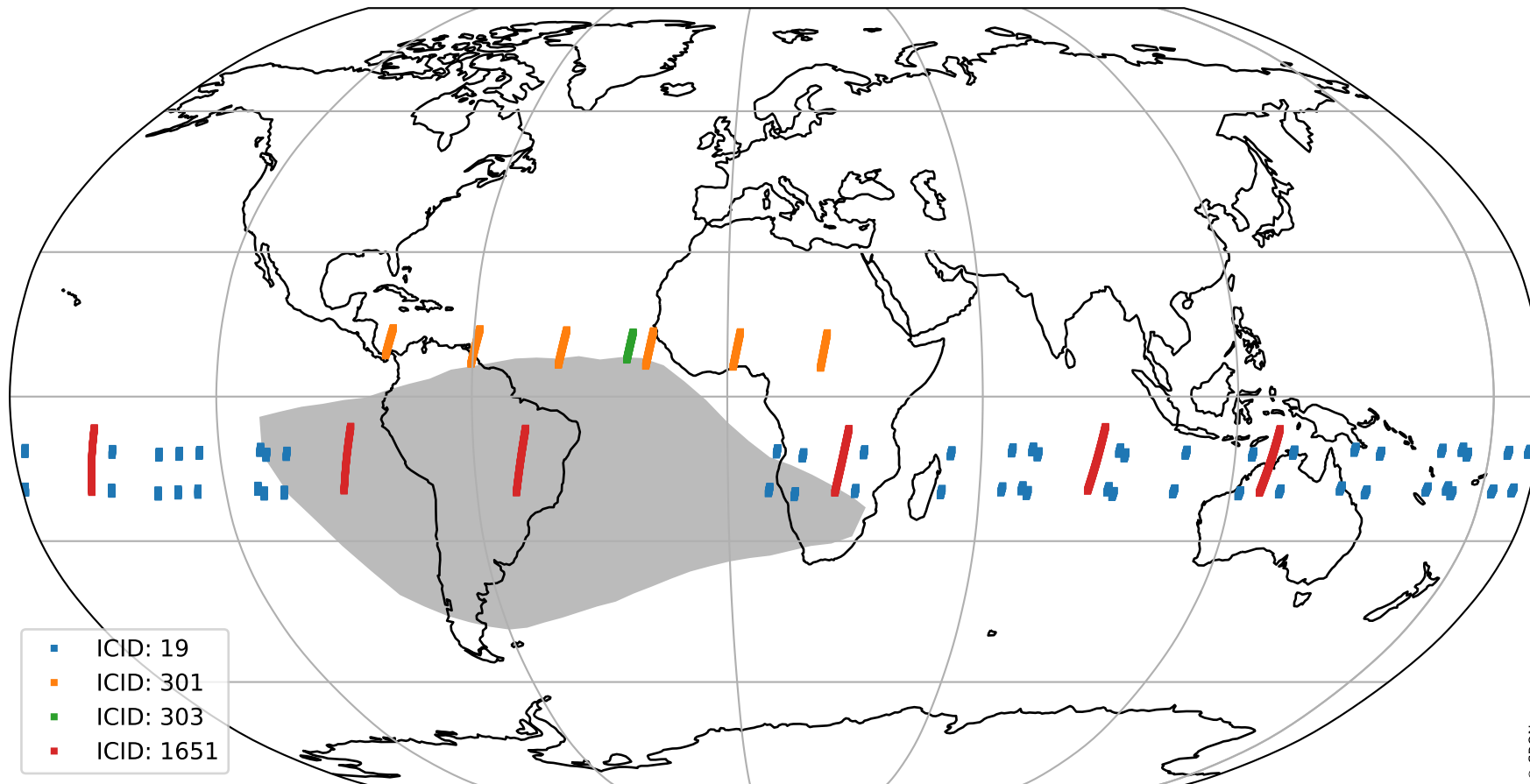
normalized read noise





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

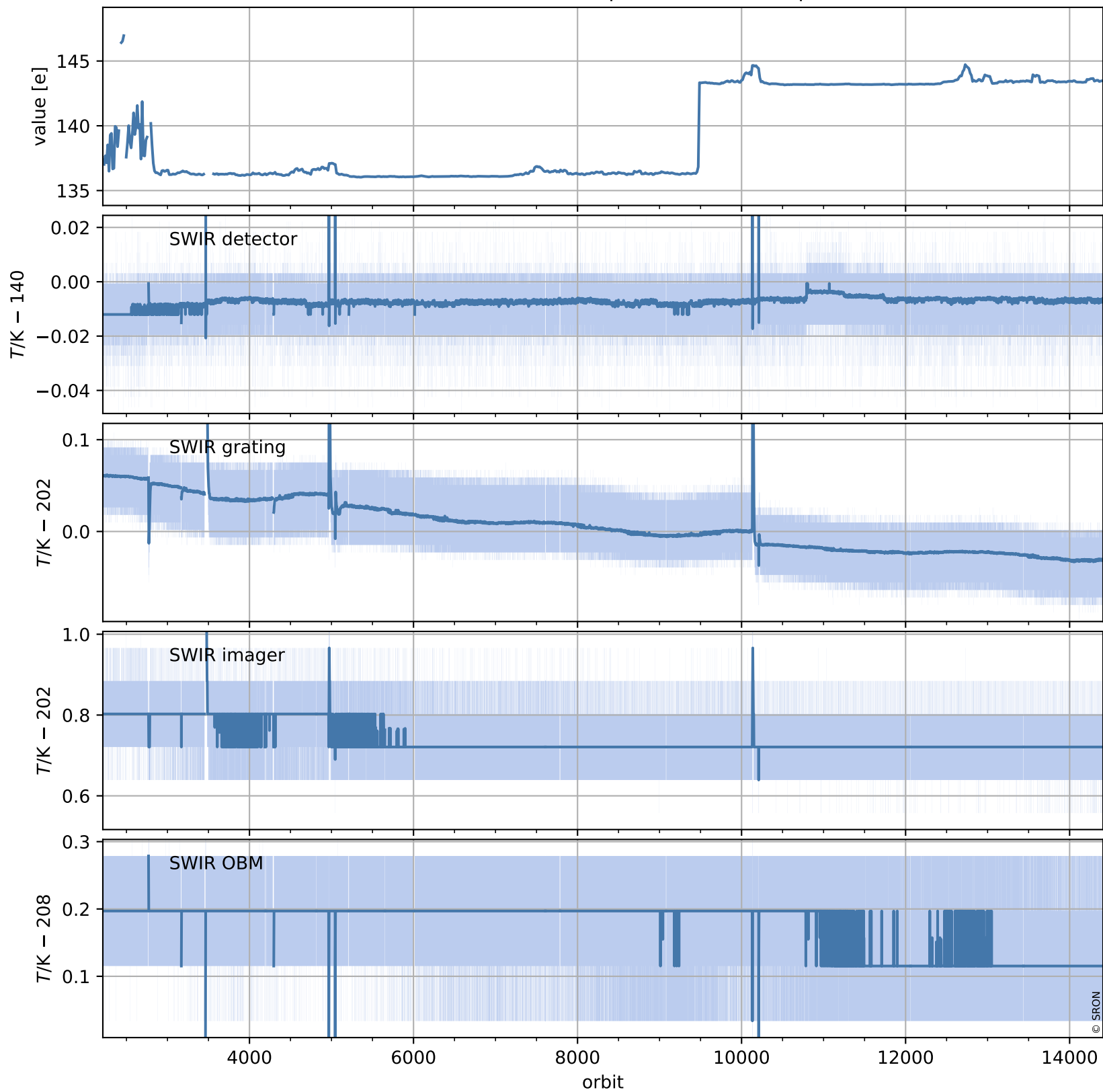
orbits : 13 in [14332, 14407]  
coverage : 2020-07-18 / 2020-07-24  
created : 2023-08-21T15:36:22



# Tropomi SWIR background noise (swir)

orbits : [2212, 14407]  
coverage : 2018-03-18 / 2020-07-24  
created : 2023-08-21T15:36:23

## trend of detector median of plain noise & temperatures

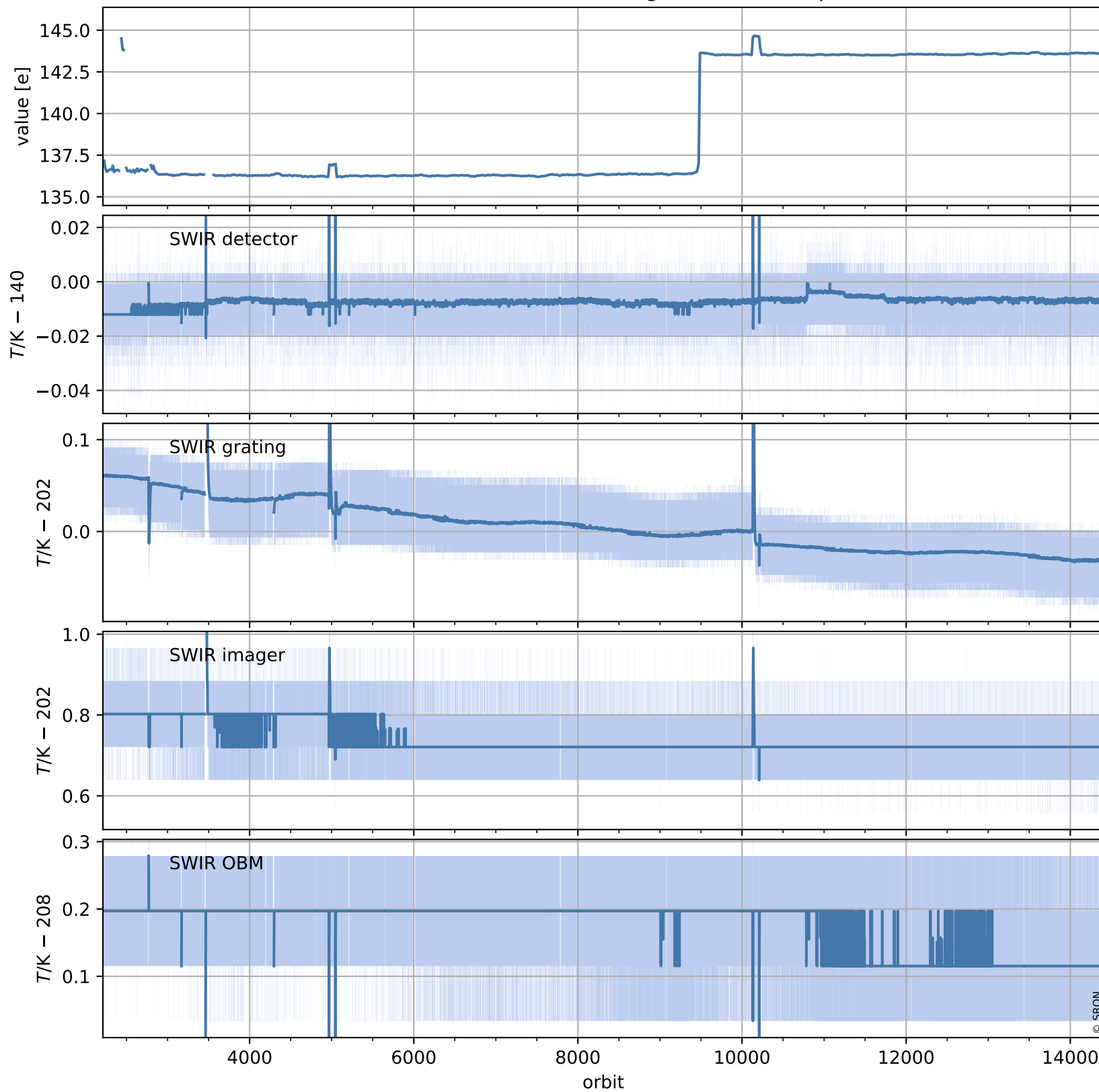




# Tropomi SWIR background noise (swir)

orbits : [2212, 14407]  
coverage : 2018-03-18 / 2020-07-24  
created : 2023-08-21T15:36:23

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14407]  
coverage : 2018-03-18 / 2020-07-24  
created : 2023-08-21T15:36:24

## trend of normalized read-noise & temperatures

