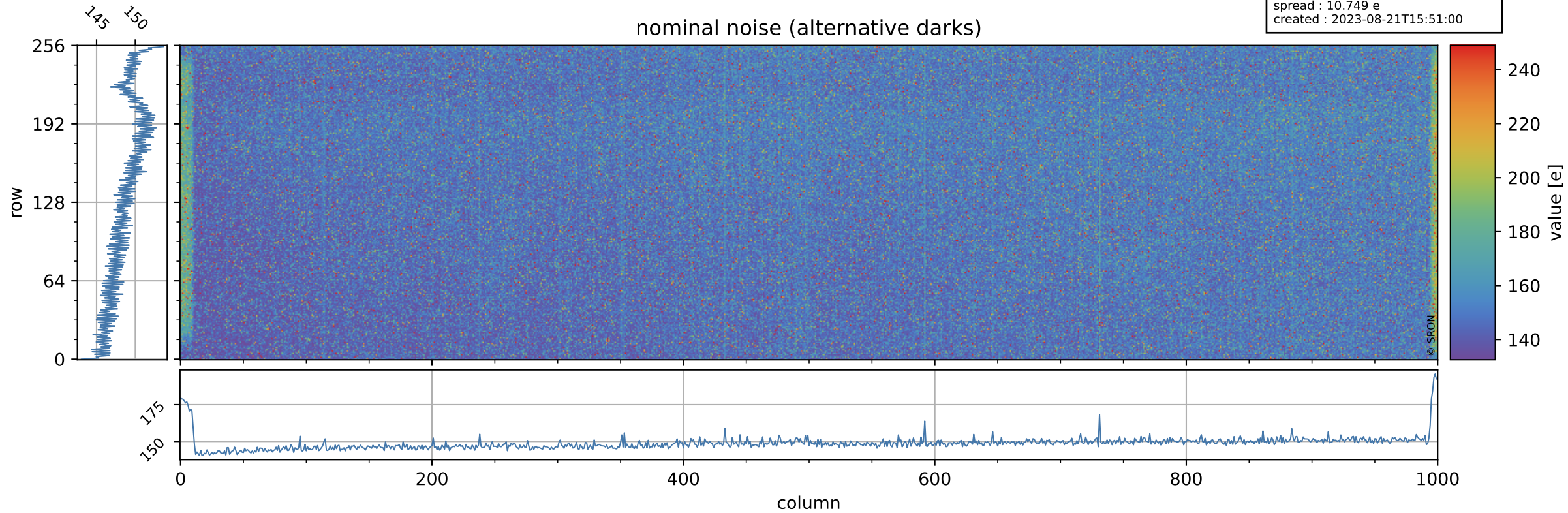


# Tropomi SWIR background noise (swir)

orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.59 e  
spread : 10.749 e  
created : 2023-08-21T15:51:00

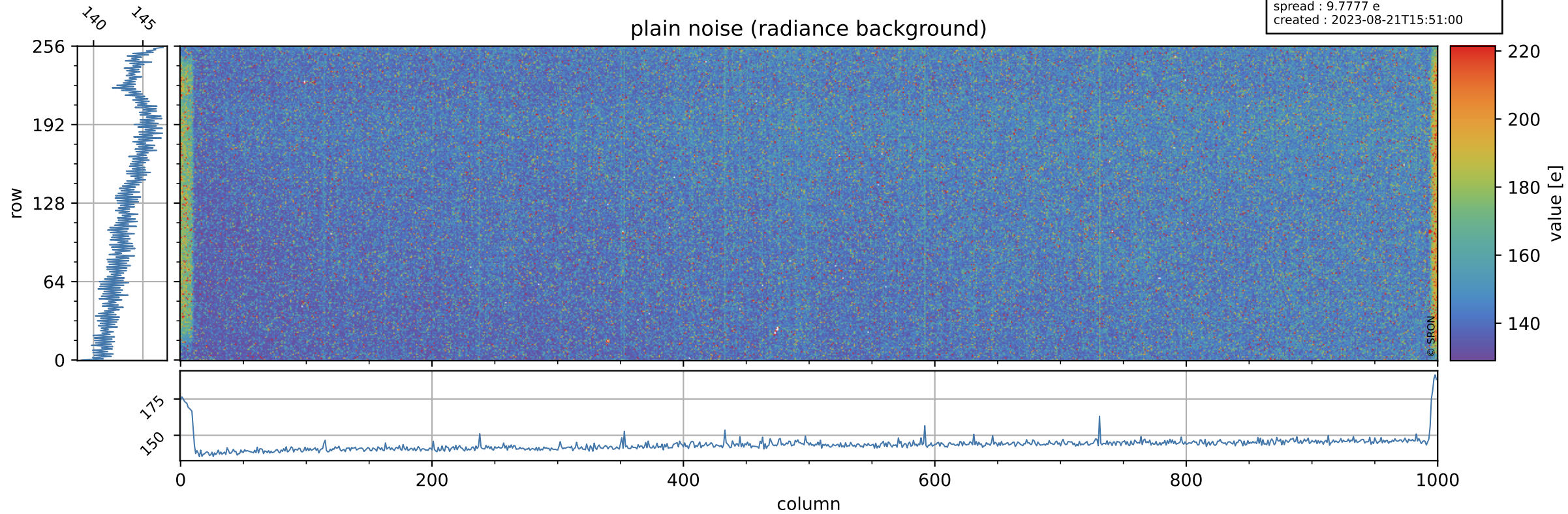
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7777 e  
created : 2023-08-21T15:51:00

## plain noise (radiance background)

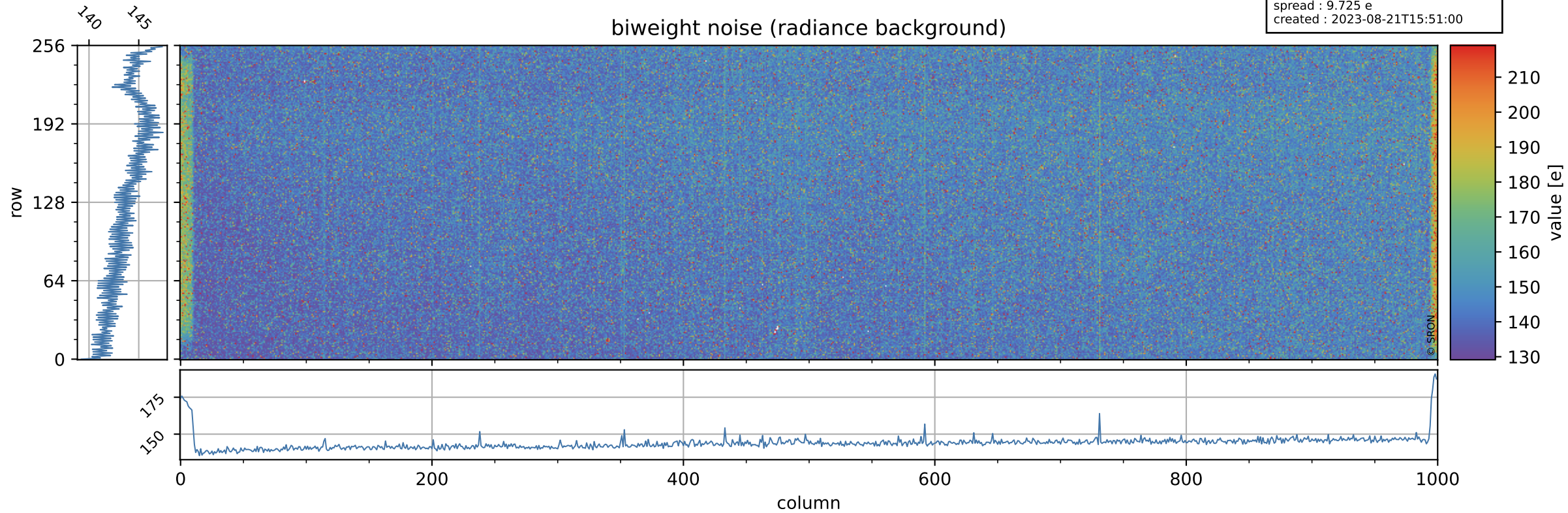




# Tropomi SWIR background noise (swir)

orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.725 e  
created : 2023-08-21T15:51:00

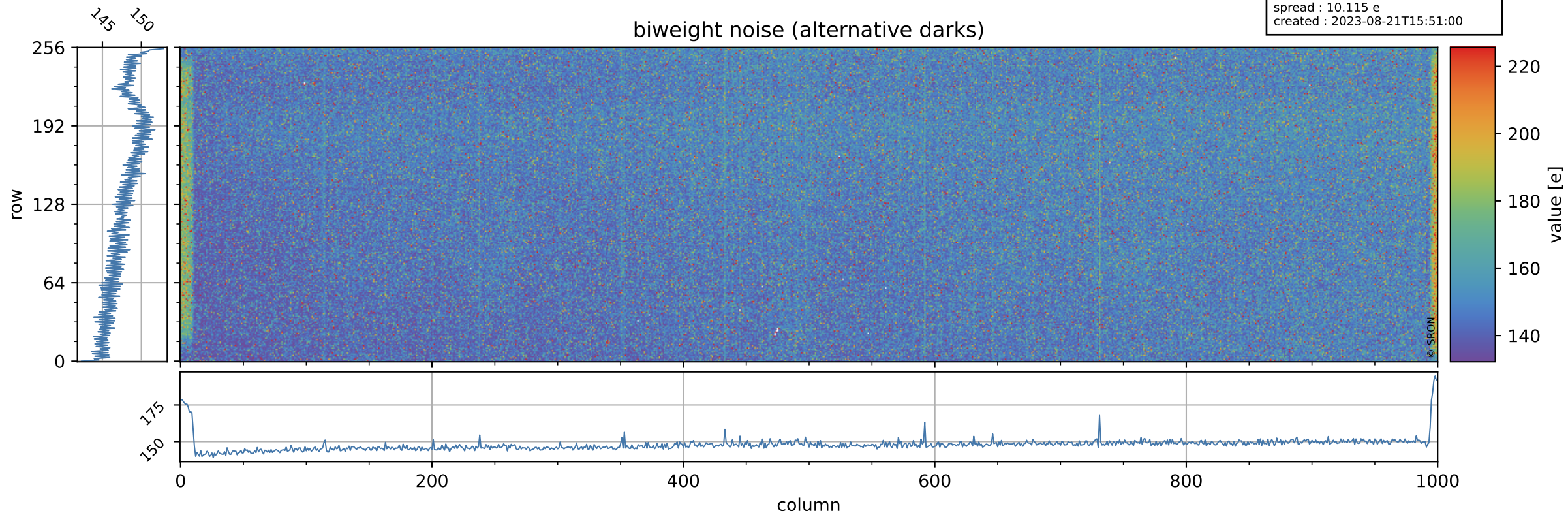
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.115 e  
created : 2023-08-21T15:51:00

## biweight noise (alternative darks)

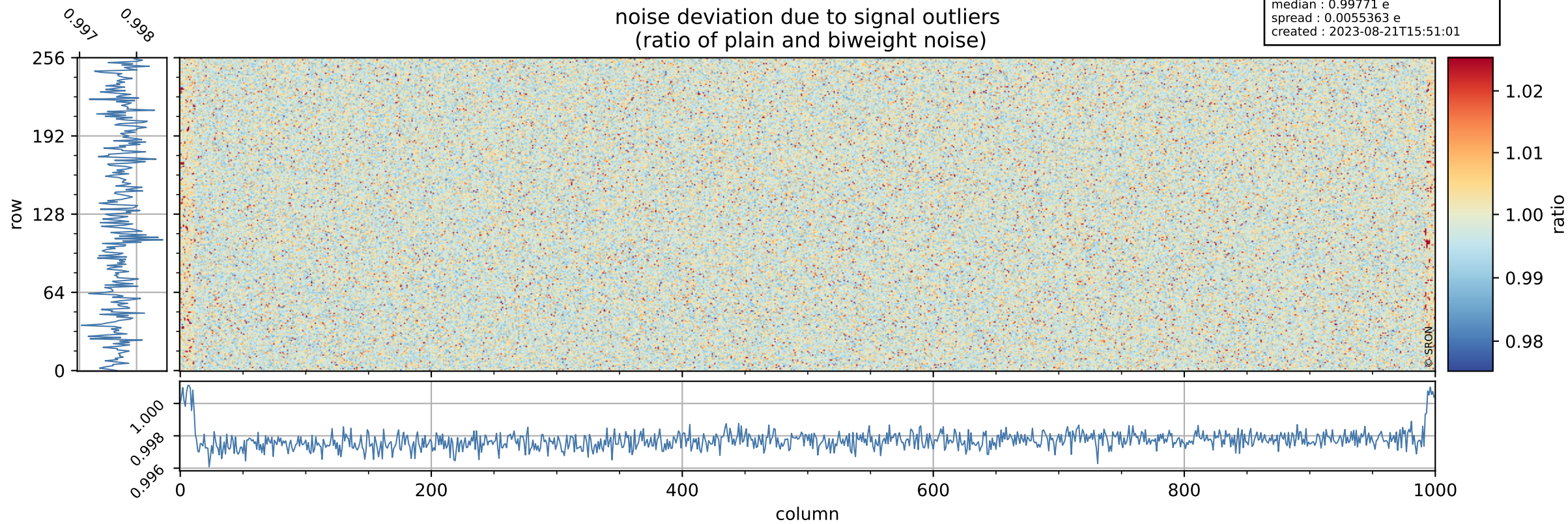




# Tropomi SWIR background noise (swir)

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

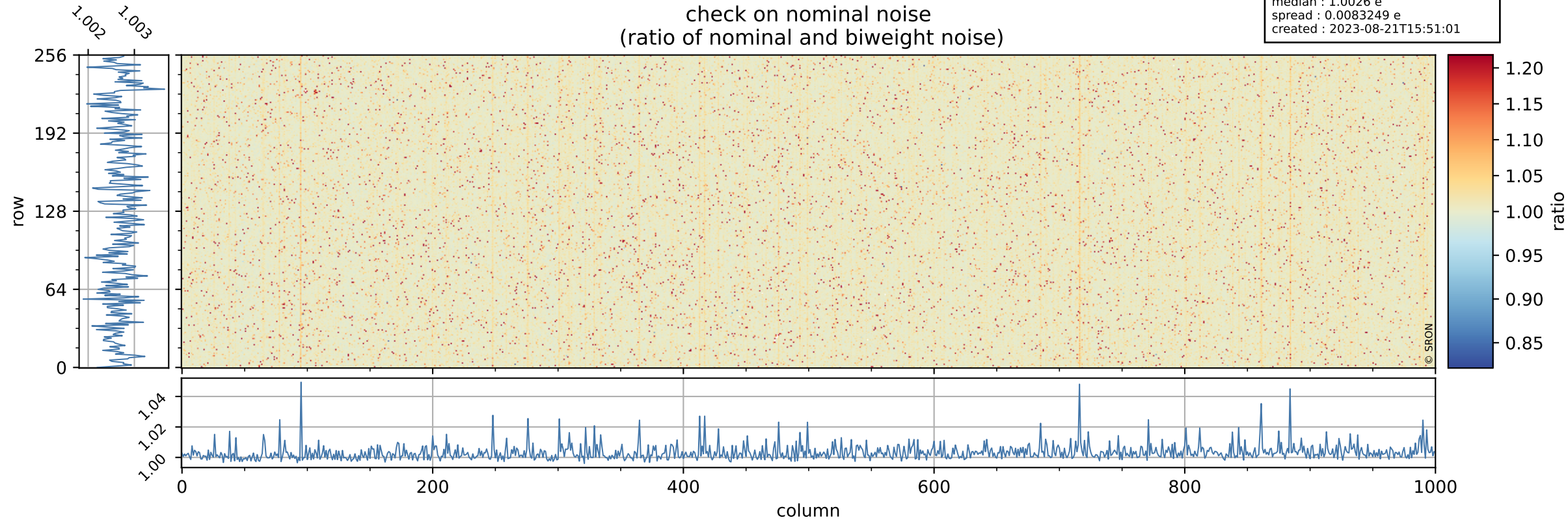
orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
median : 0.99771 e  
spread : 0.0055363 e  
created : 2023-08-21T15:51:01



# Tropomi SWIR background noise (swir)

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

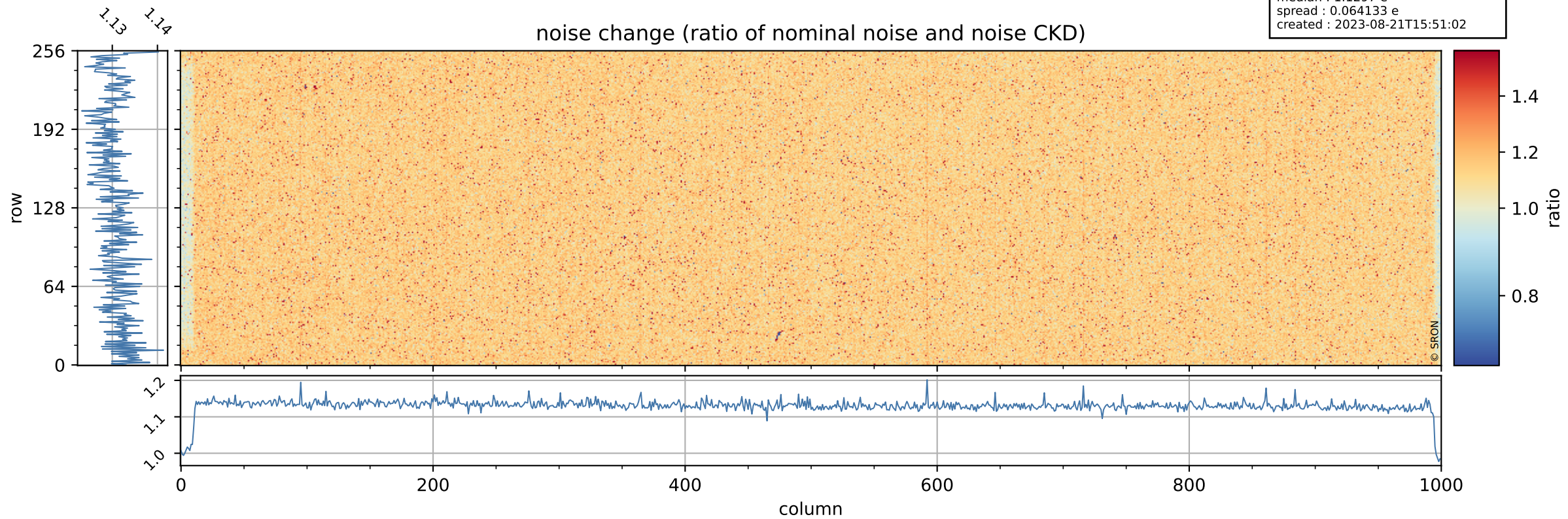
orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
median : 1.0026 e  
spread : 0.0083249 e  
created : 2023-08-21T15:51:01





# Tropomi SWIR background noise (swir)

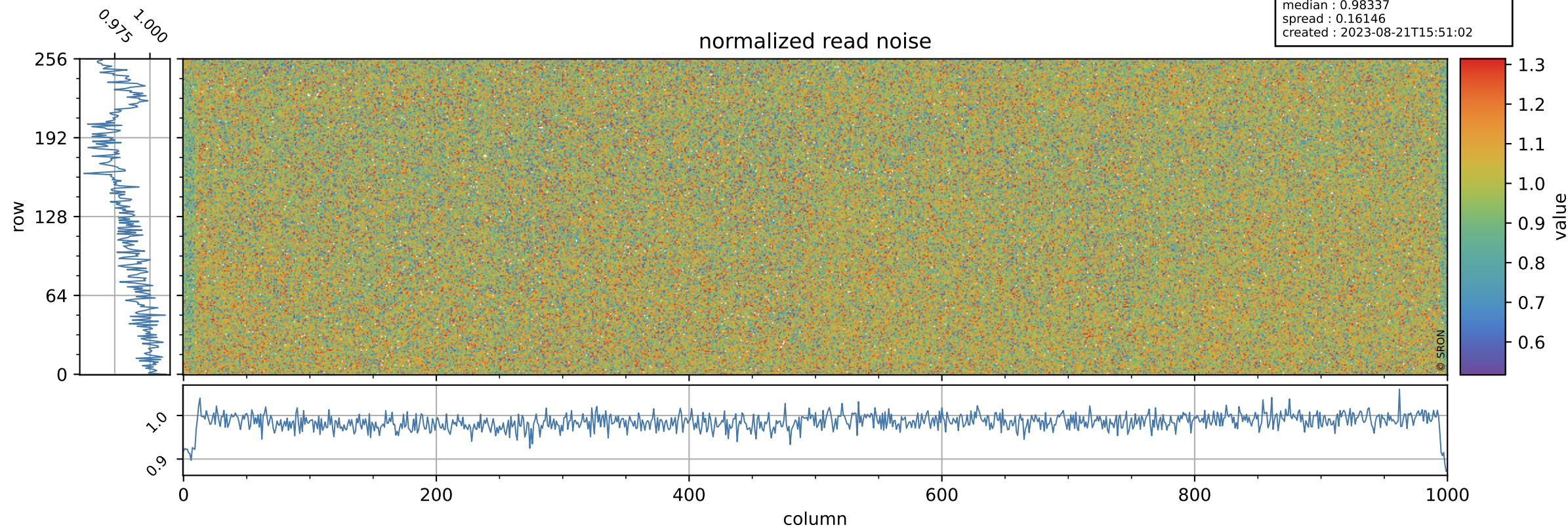
orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
median : 1.1297 e  
spread : 0.064133 e  
created : 2023-08-21T15:51:02





# Tropomi SWIR background noise (swir)

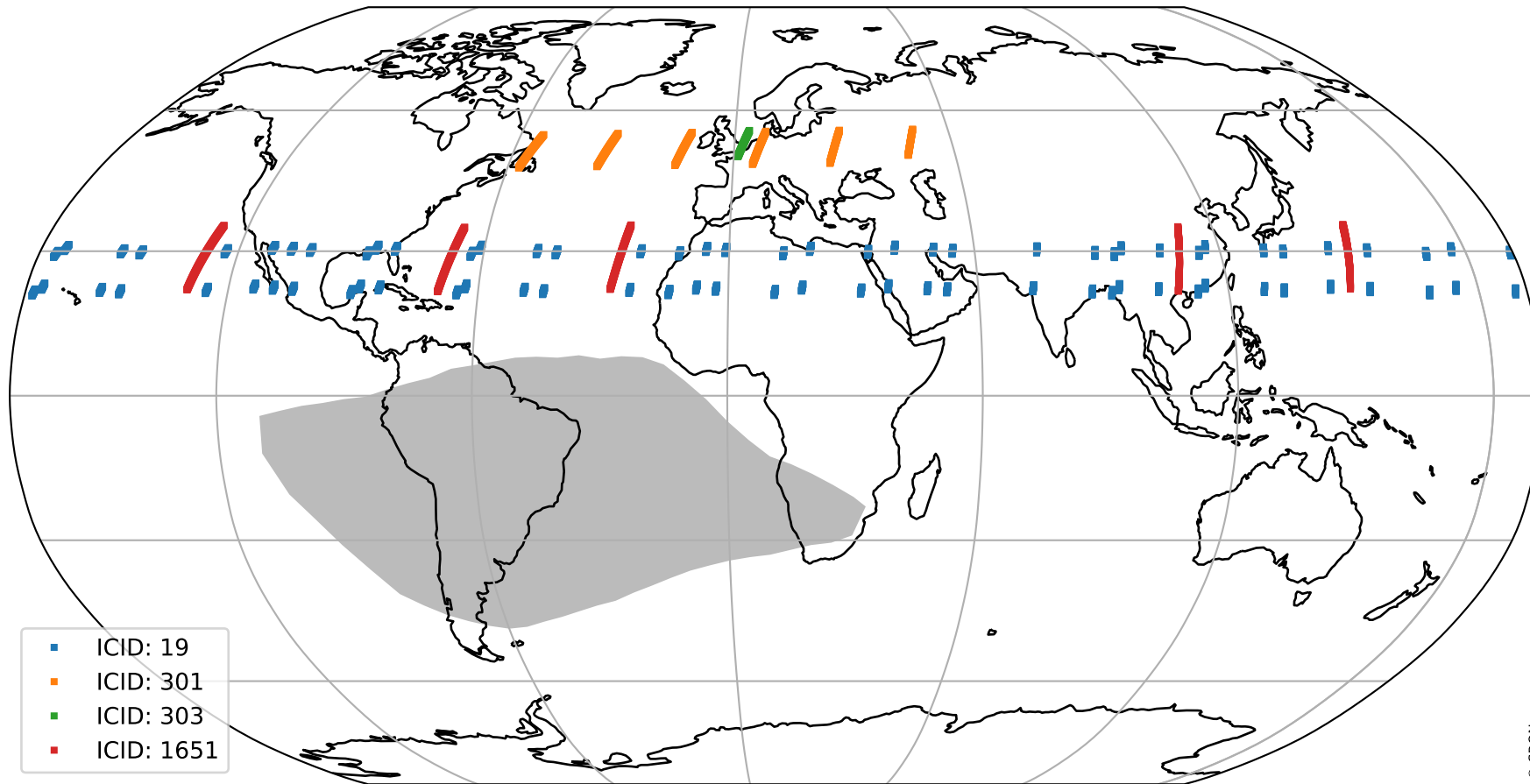
orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
median : 0.98337  
spread : 0.16146  
created : 2023-08-21T15:51:02





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

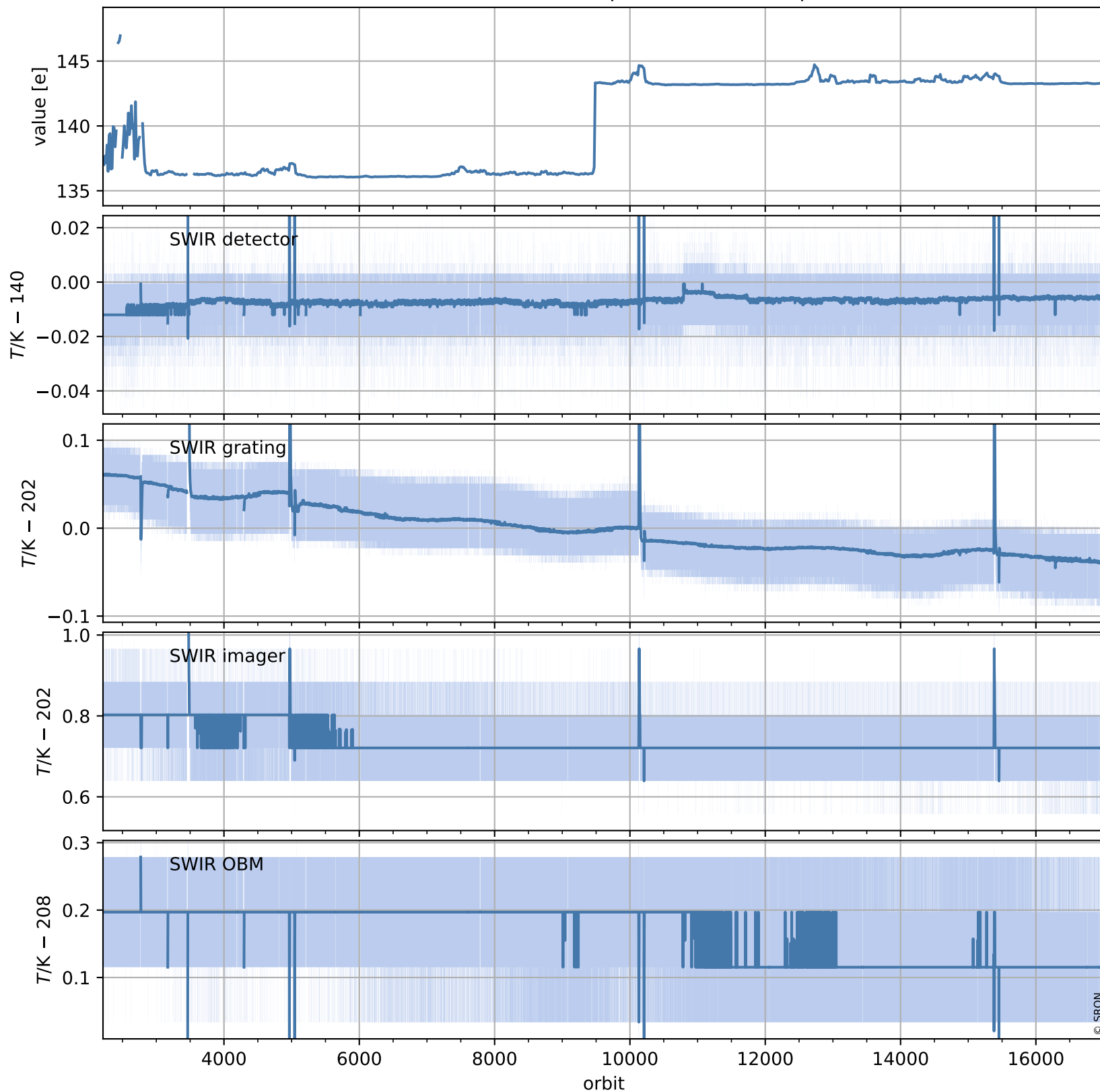
orbits : 12 in [16942, 17017]  
coverage : 2021-01-18 / 2021-01-24  
created : 2023-08-21T15:51:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 17017]  
coverage : 2018-03-18 / 2021-01-24  
created : 2023-08-21T15:51:03

## trend of detector median of plain noise & temperatures

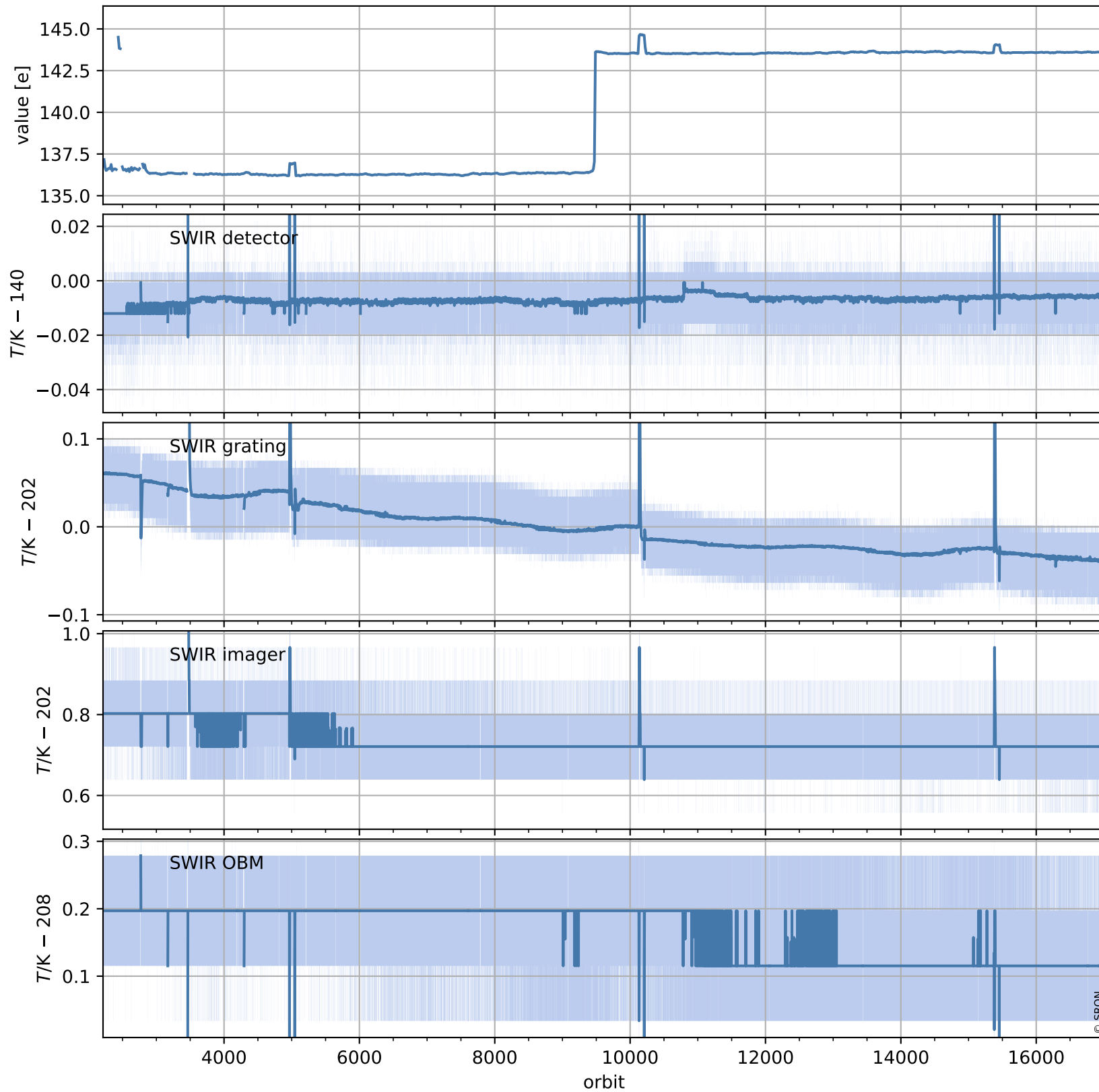




# Tropomi SWIR background noise (swir)

orbits : [2212, 17017]  
coverage : 2018-03-18 / 2021-01-24  
created : 2023-08-21T15:51:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17017]  
coverage : 2018-03-18 / 2021-01-24  
created : 2023-08-21T15:51:04

## trend of normalized read-noise & temperatures

