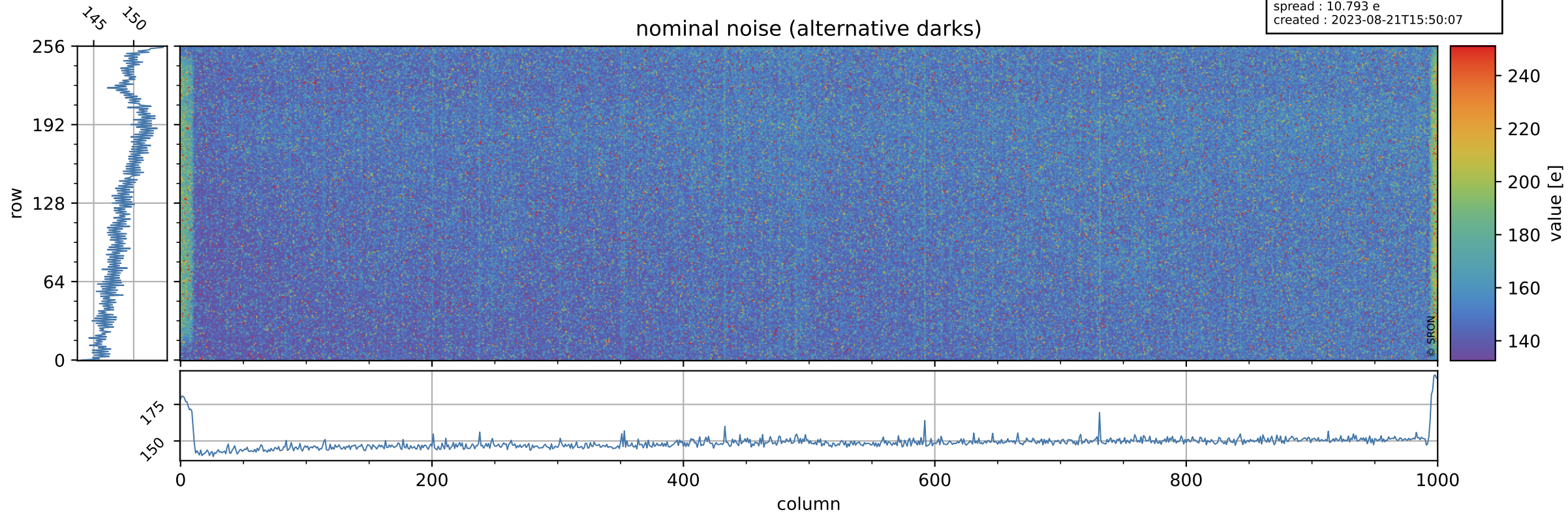


# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.66 e  
spread : 10.793 e  
created : 2023-08-21T15:50:07

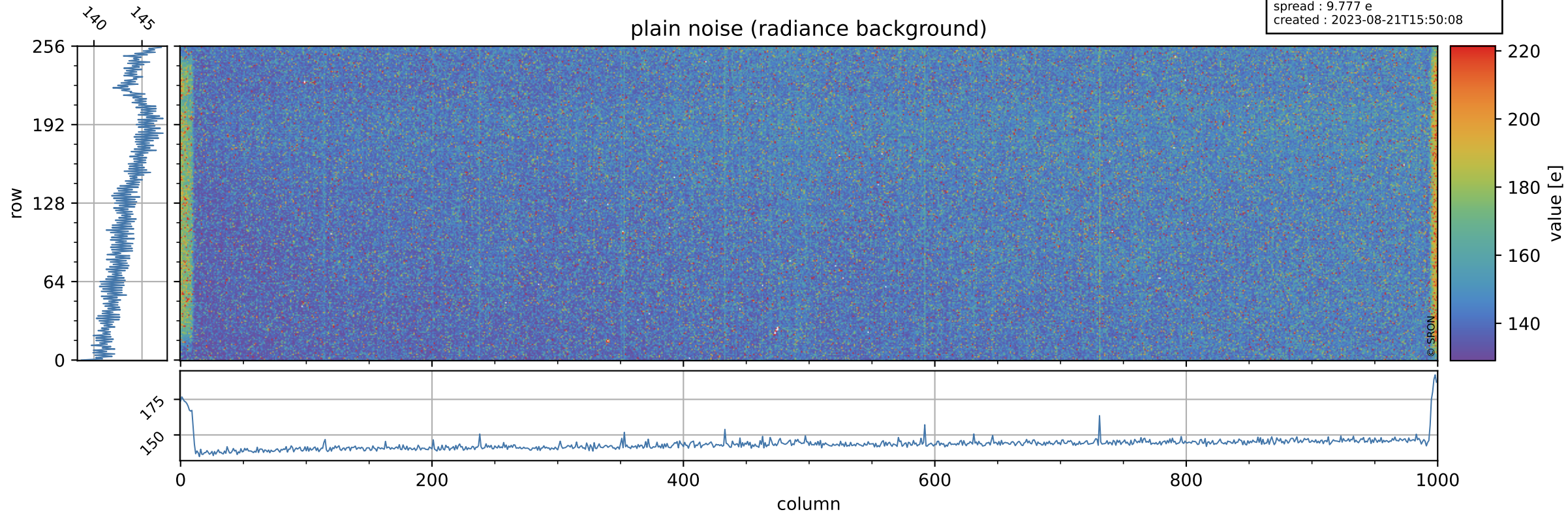
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.777 e  
created : 2023-08-21T15:50:08

## plain noise (radiance background)

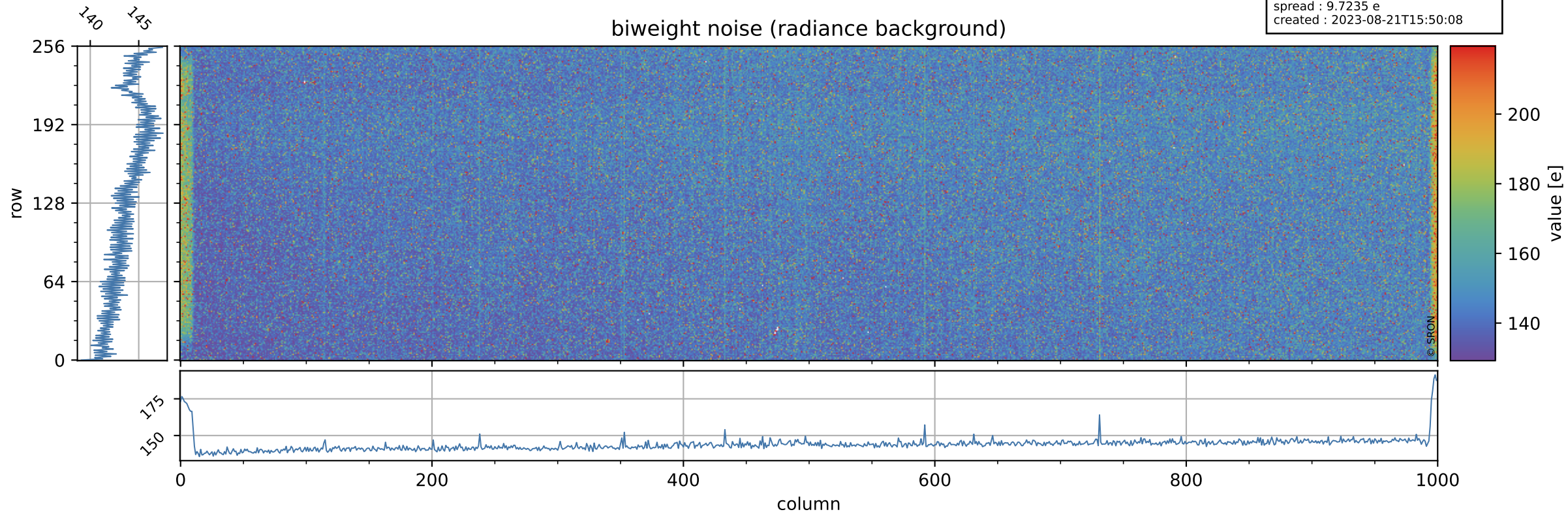




# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7235 e  
created : 2023-08-21T15:50:08

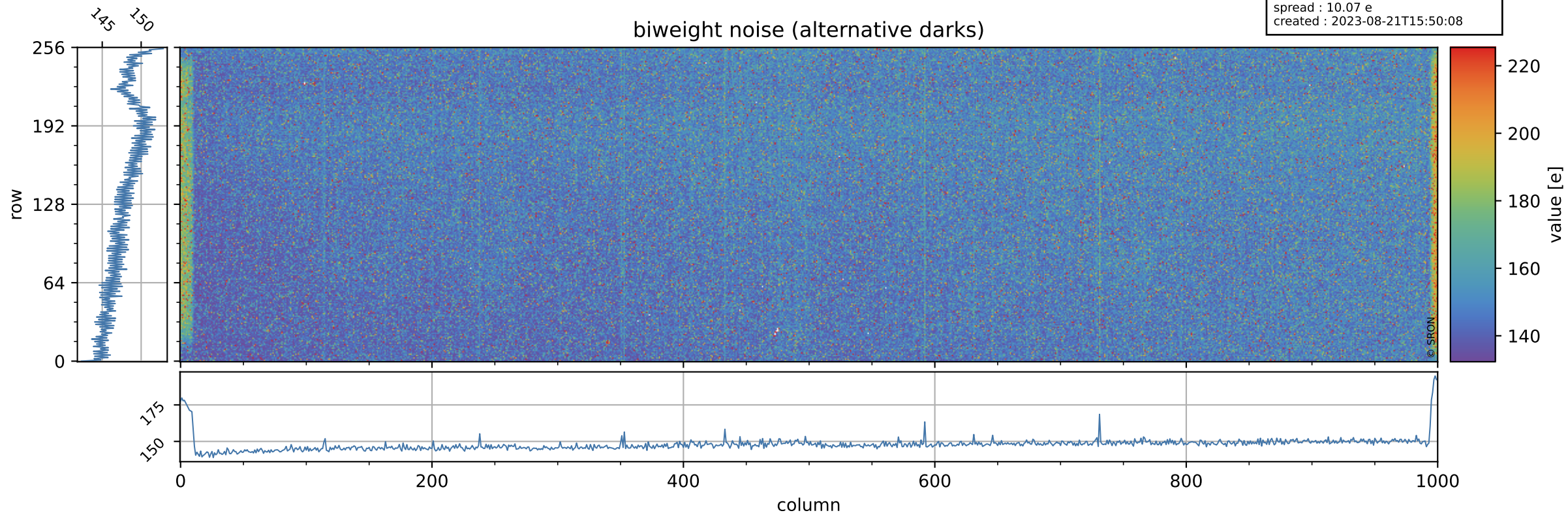
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.07 e  
created : 2023-08-21T15:50:08

## biweight noise (alternative darks)

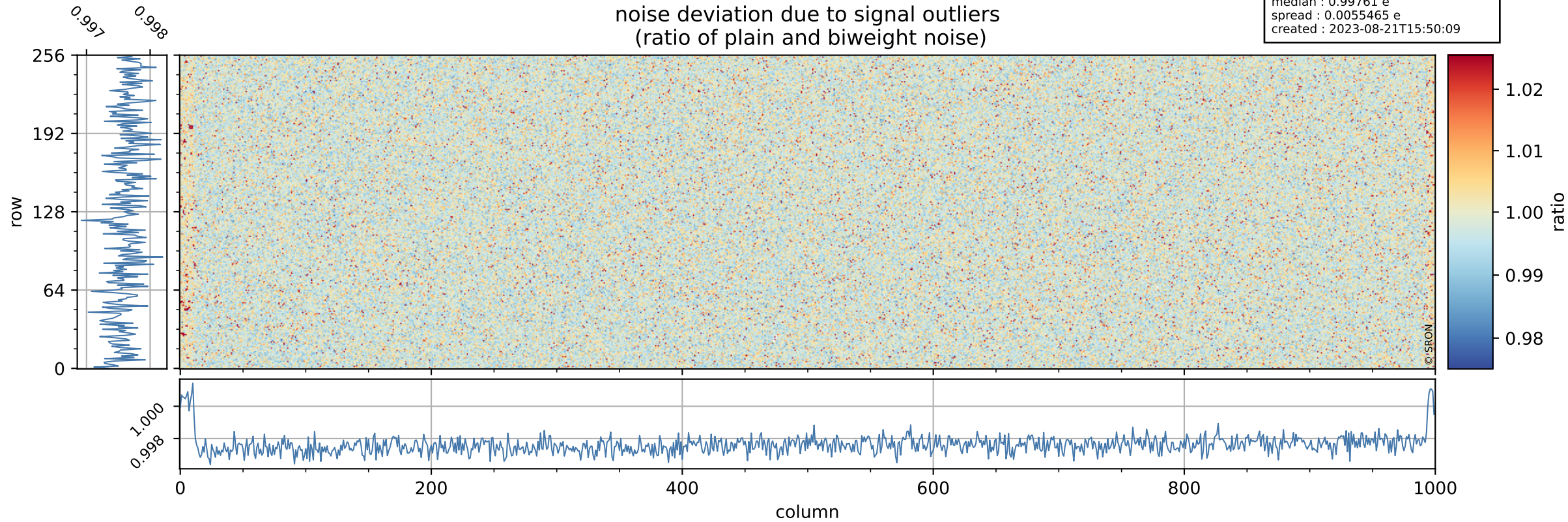




# Tropomi SWIR background noise (swir)

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

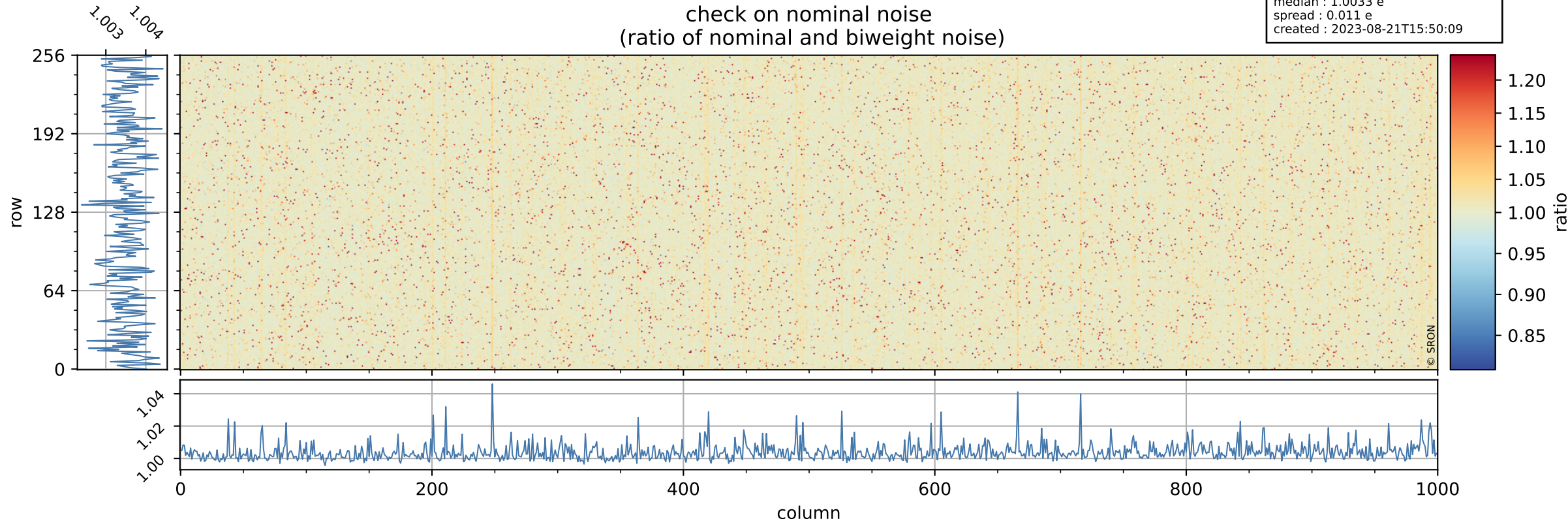
orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
median : 0.99761 e  
spread : 0.0055465 e  
created : 2023-08-21T15:50:09



# Tropomi SWIR background noise (swir)

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

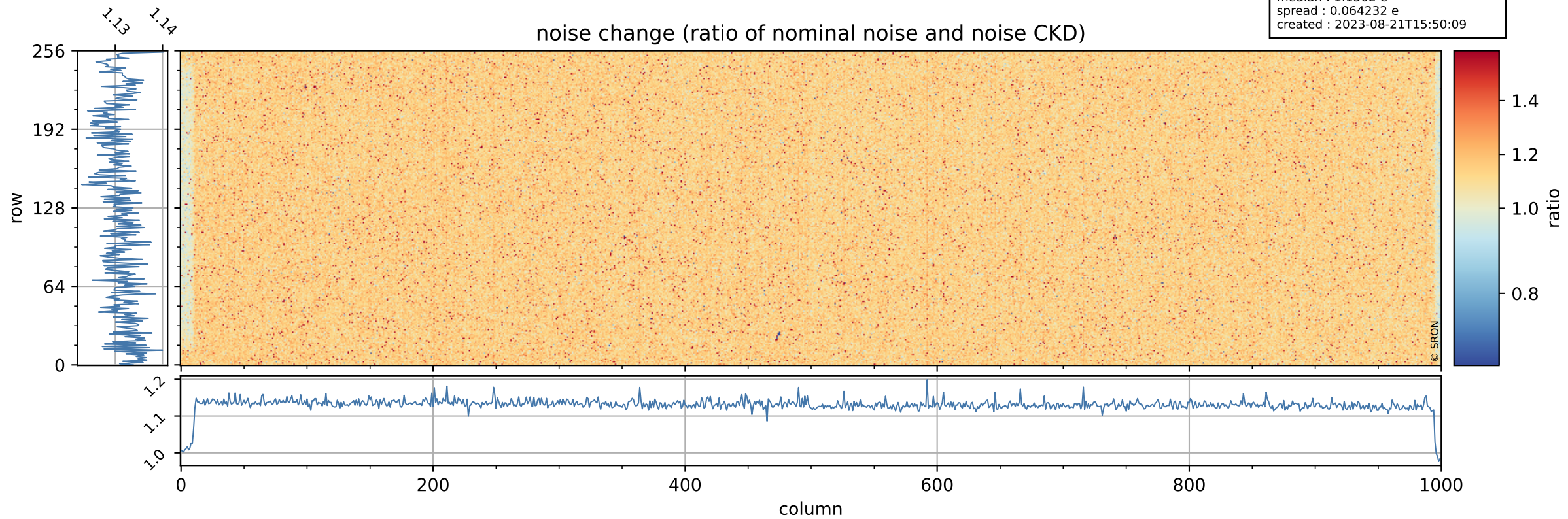
orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
median : 1.0033 e  
spread : 0.011 e  
created : 2023-08-21T15:50:09





# Tropomi SWIR background noise (swir)

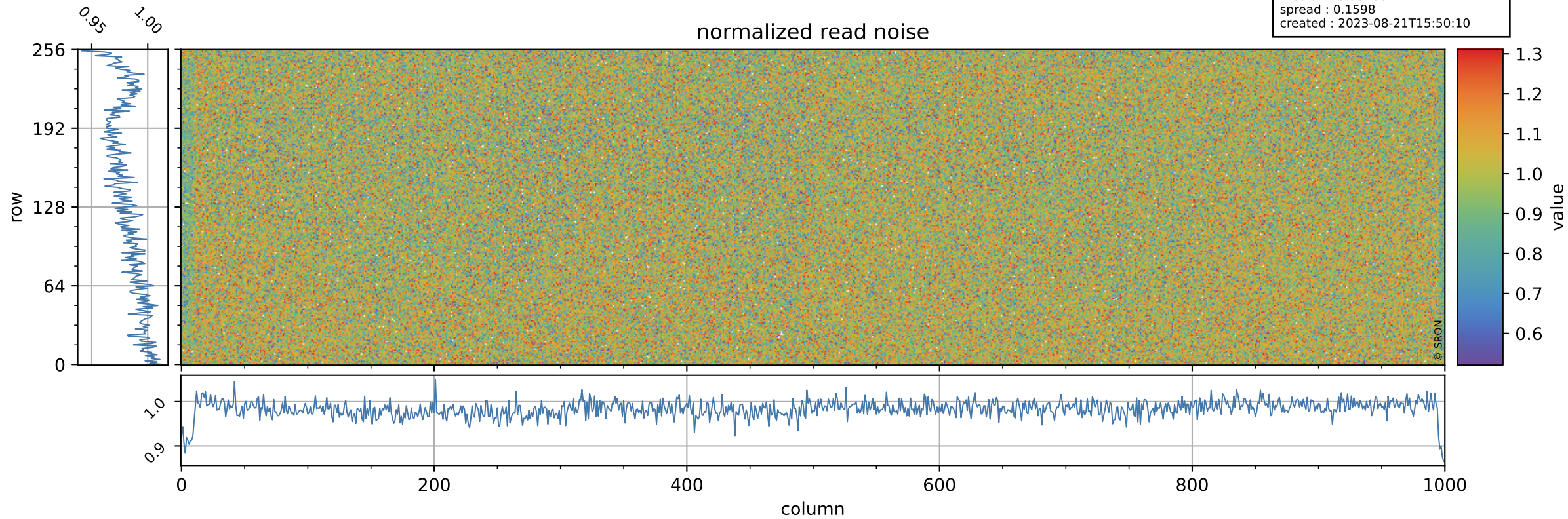
orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
median : 1.1302 e  
spread : 0.064232 e  
created : 2023-08-21T15:50:09





# Tropomi SWIR background noise (swir)

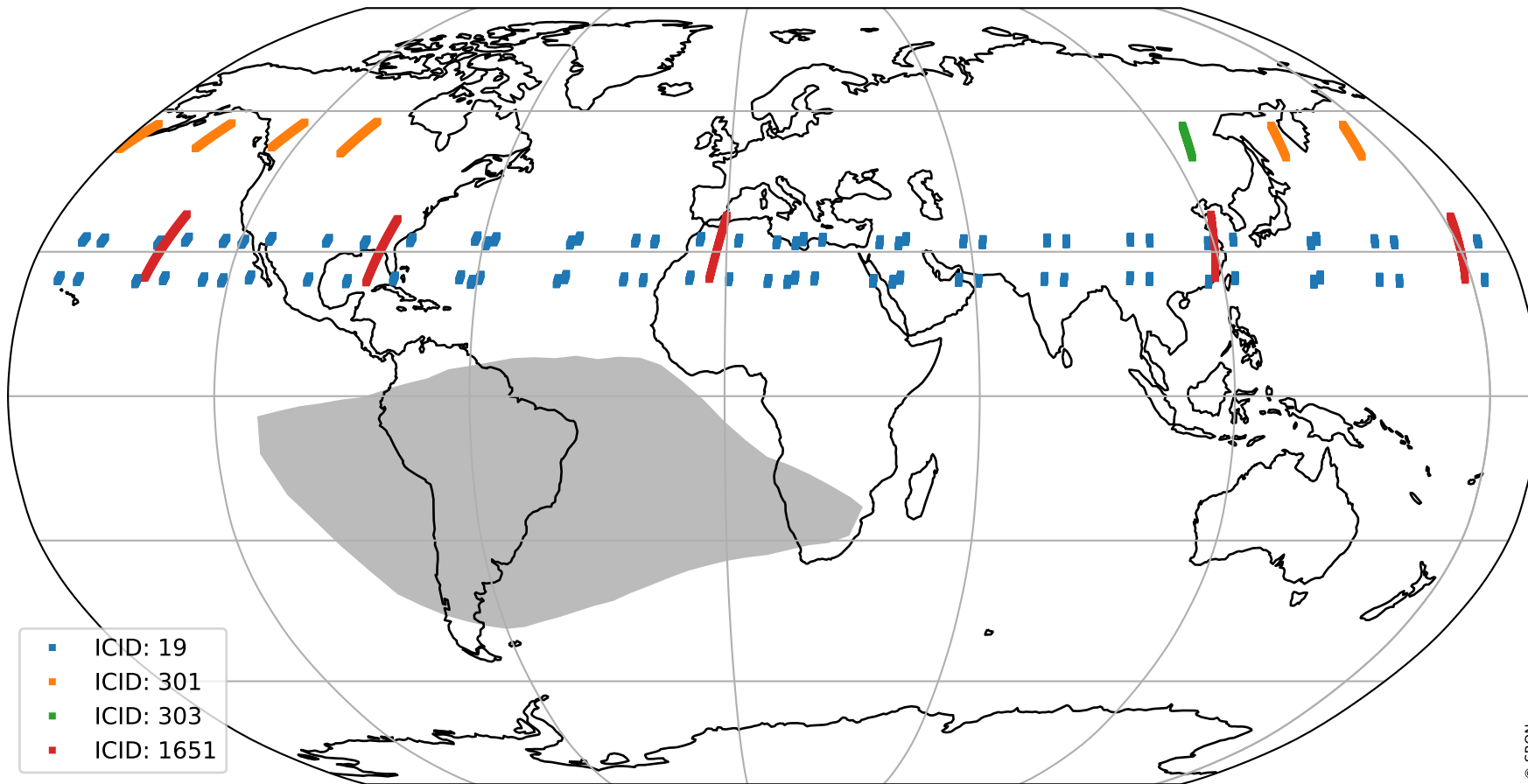
orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
median : 0.98188  
spread : 0.1598  
created : 2023-08-21T15:50:10





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

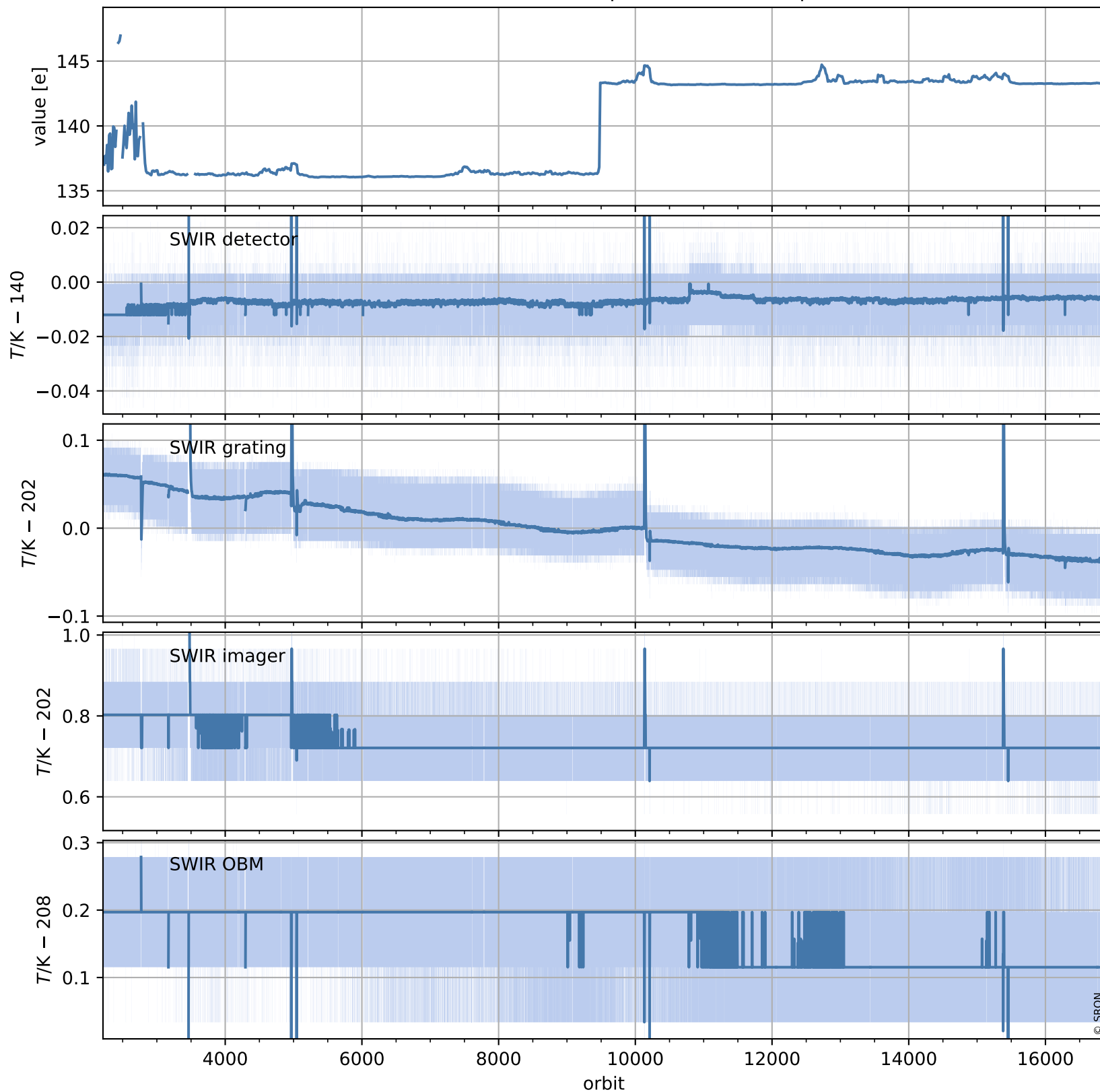
orbits : 12 in [16777, 16867]  
coverage : 2021-01-08 / 2021-01-14  
created : 2023-08-21T15:50:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 16867]  
coverage : 2018-03-18 / 2021-01-14  
created : 2023-08-21T15:50:10

## trend of detector median of plain noise & temperatures

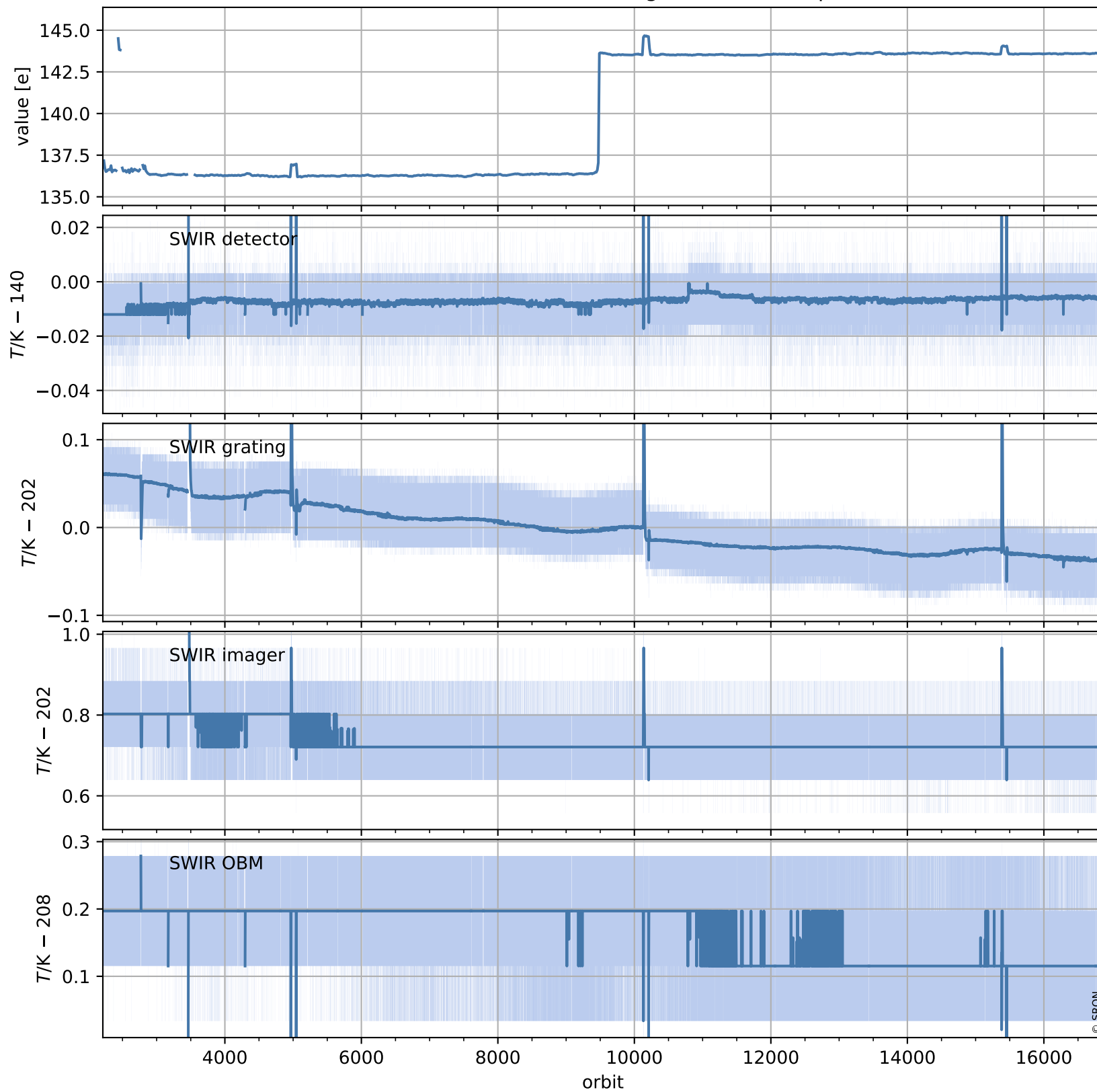




# Tropomi SWIR background noise (swir)

orbits : [2212, 16867]  
coverage : 2018-03-18 / 2021-01-14  
created : 2023-08-21T15:50:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16867]  
coverage : 2018-03-18 / 2021-01-14  
created : 2023-08-21T15:50:12

## trend of normalized read-noise & temperatures

