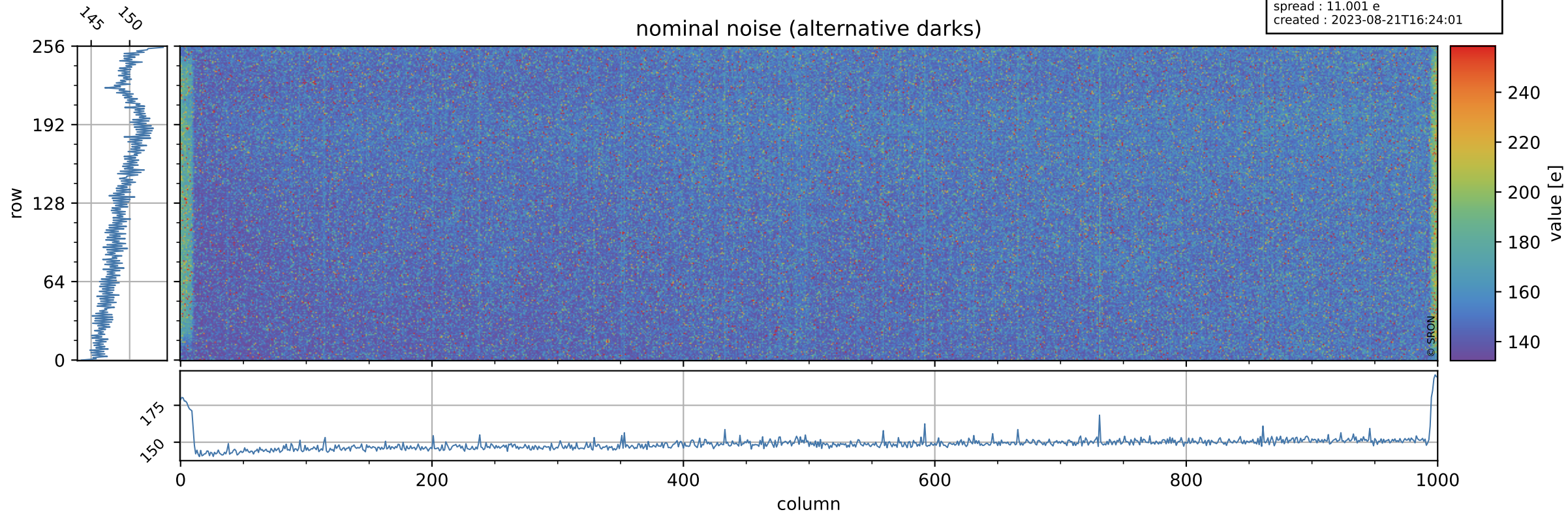


# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.83 e  
spread : 11.001 e  
created : 2023-08-21T16:24:01

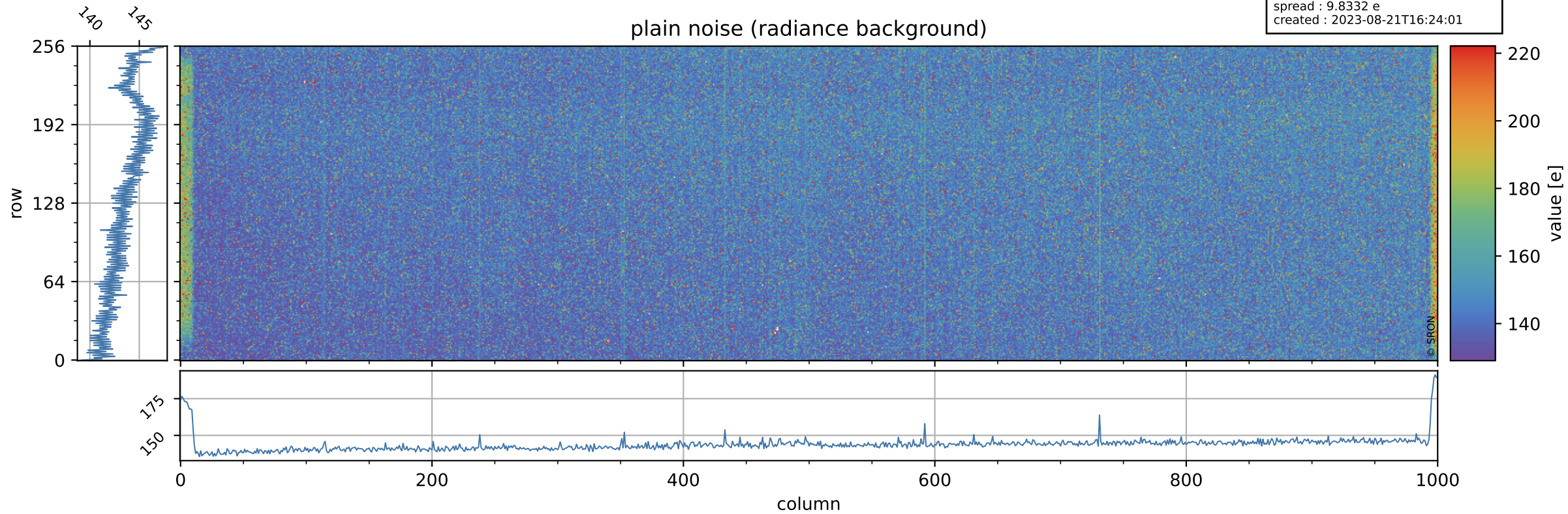
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.5 e  
spread : 9.8332 e  
created : 2023-08-21T16:24:01

## plain noise (radiance background)

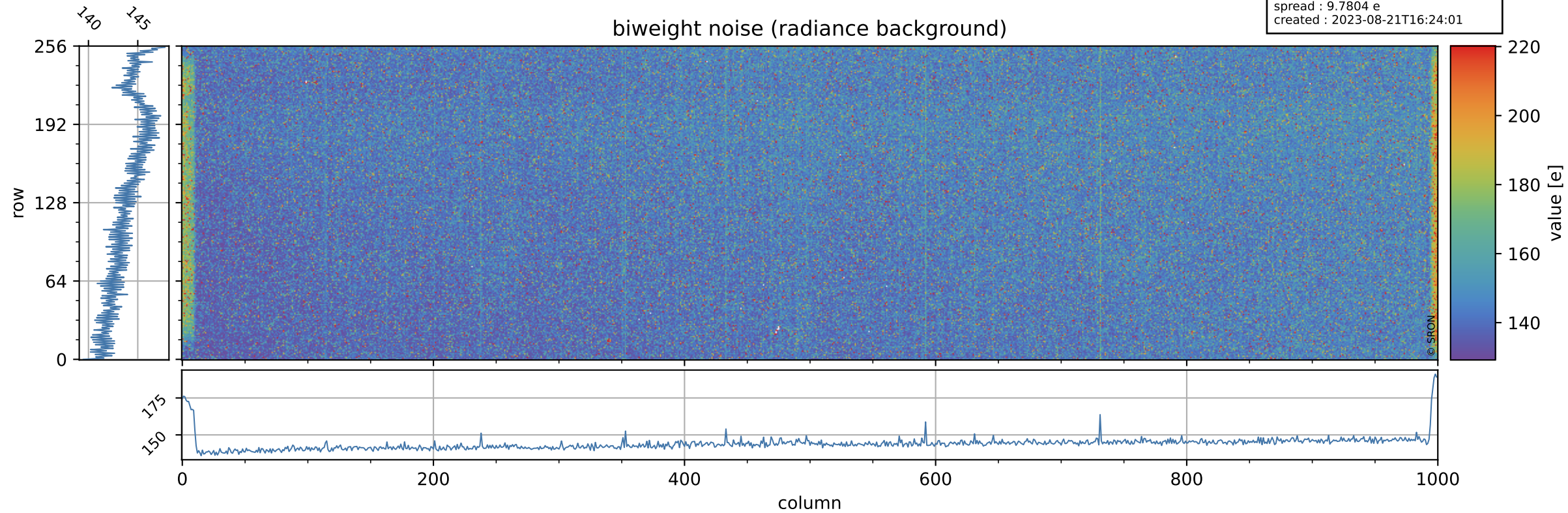




# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.82 e  
spread : 9.7804 e  
created : 2023-08-21T16:24:01

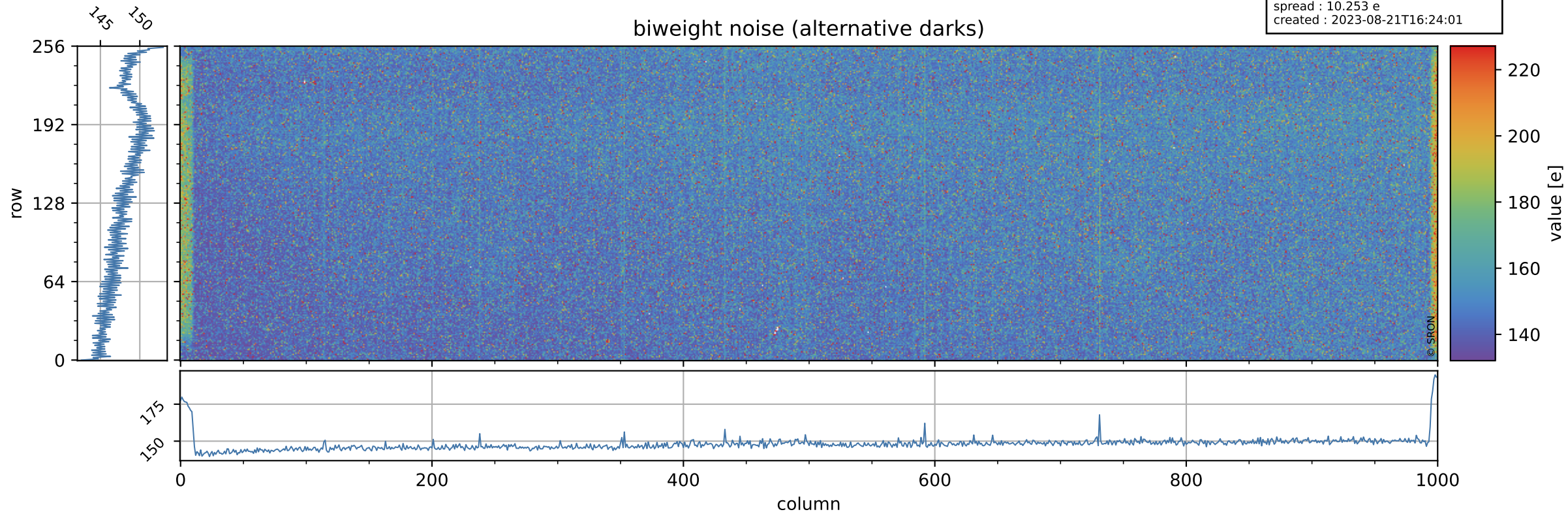
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.253 e  
created : 2023-08-21T16:24:01

## biweight noise (alternative darks)

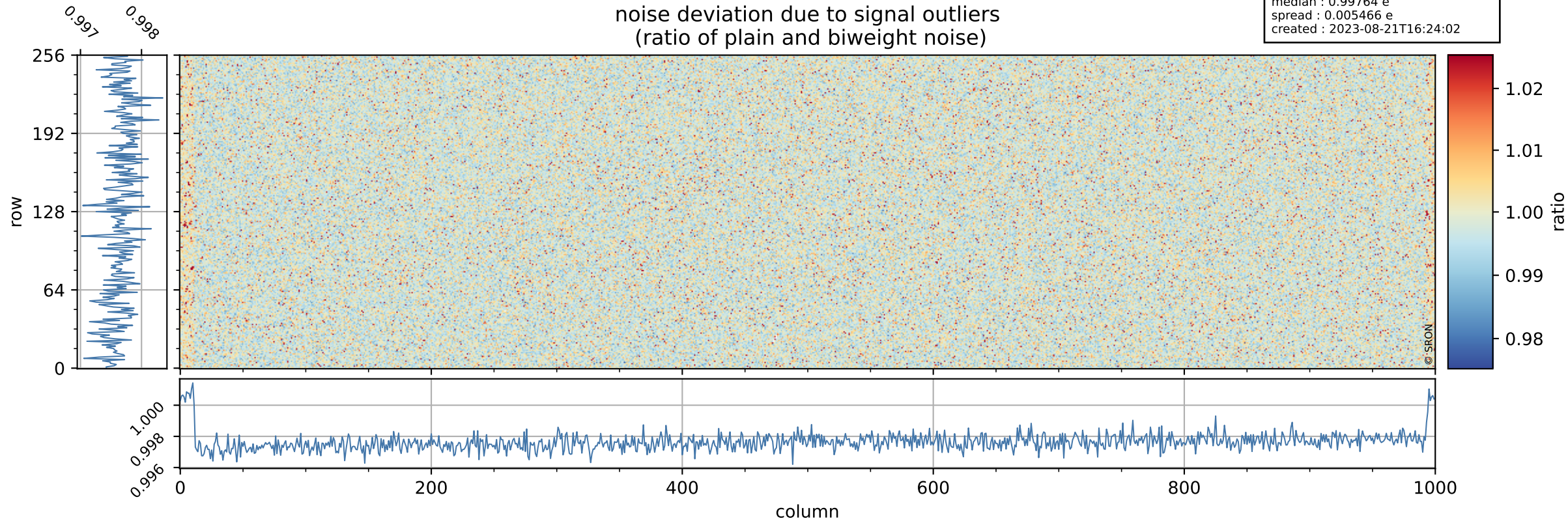




# Tropomi SWIR background noise (swir)

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

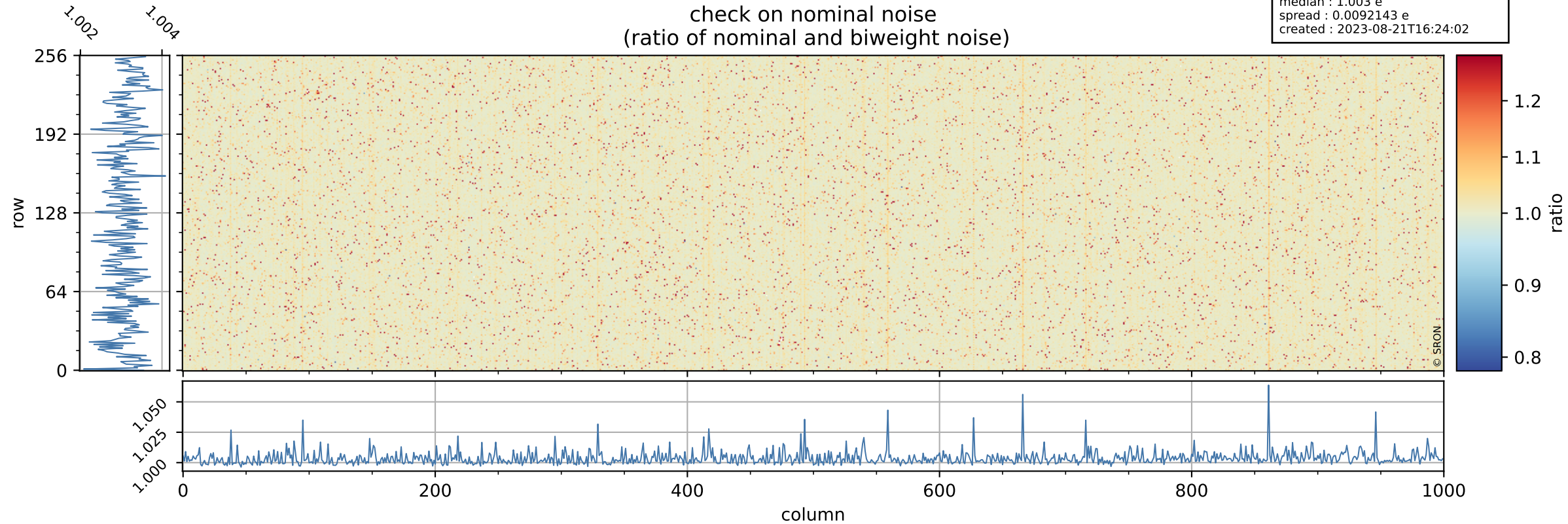
orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
median : 0.99764 e  
spread : 0.005466 e  
created : 2023-08-21T16:24:02



# Tropomi SWIR background noise (swir)

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

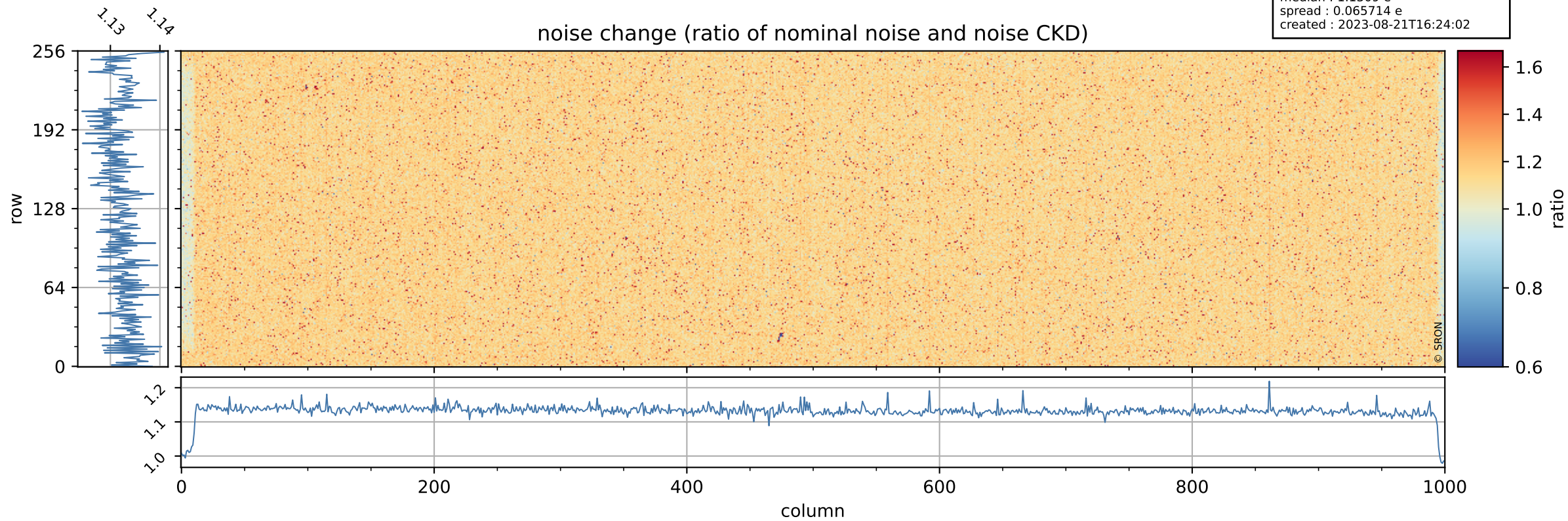
orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
median : 1.003 e  
spread : 0.0092143 e  
created : 2023-08-21T16:24:02





# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
median : 1.1309 e  
spread : 0.065714 e  
created : 2023-08-21T16:24:02

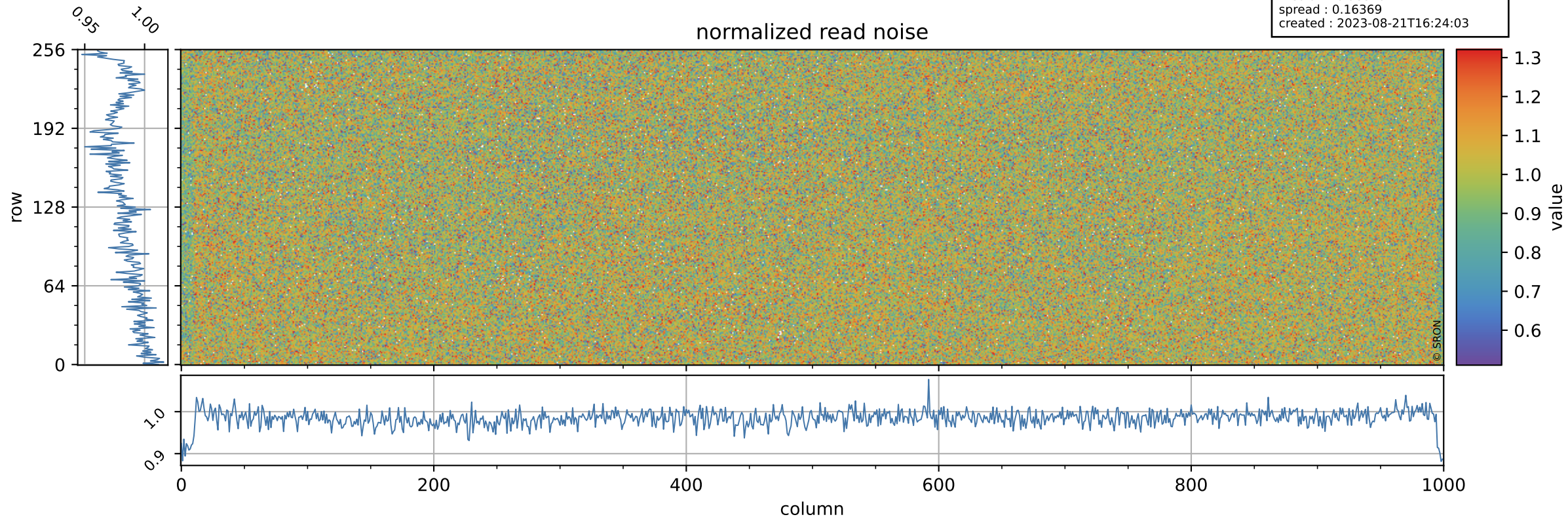




# Tropomi SWIR background noise (swir)

orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
median : 0.98319  
spread : 0.16369  
created : 2023-08-21T16:24:03

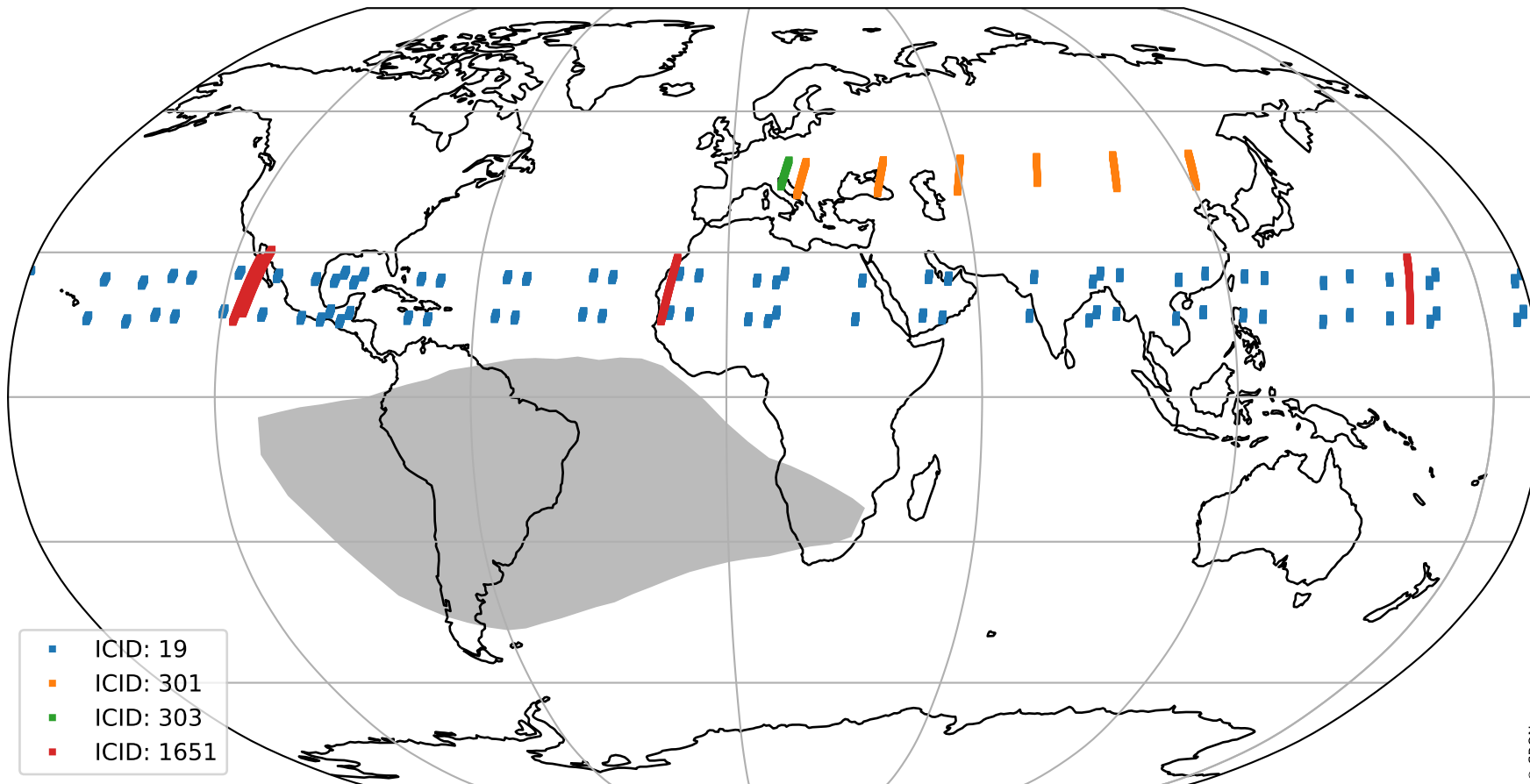
normalized read noise





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

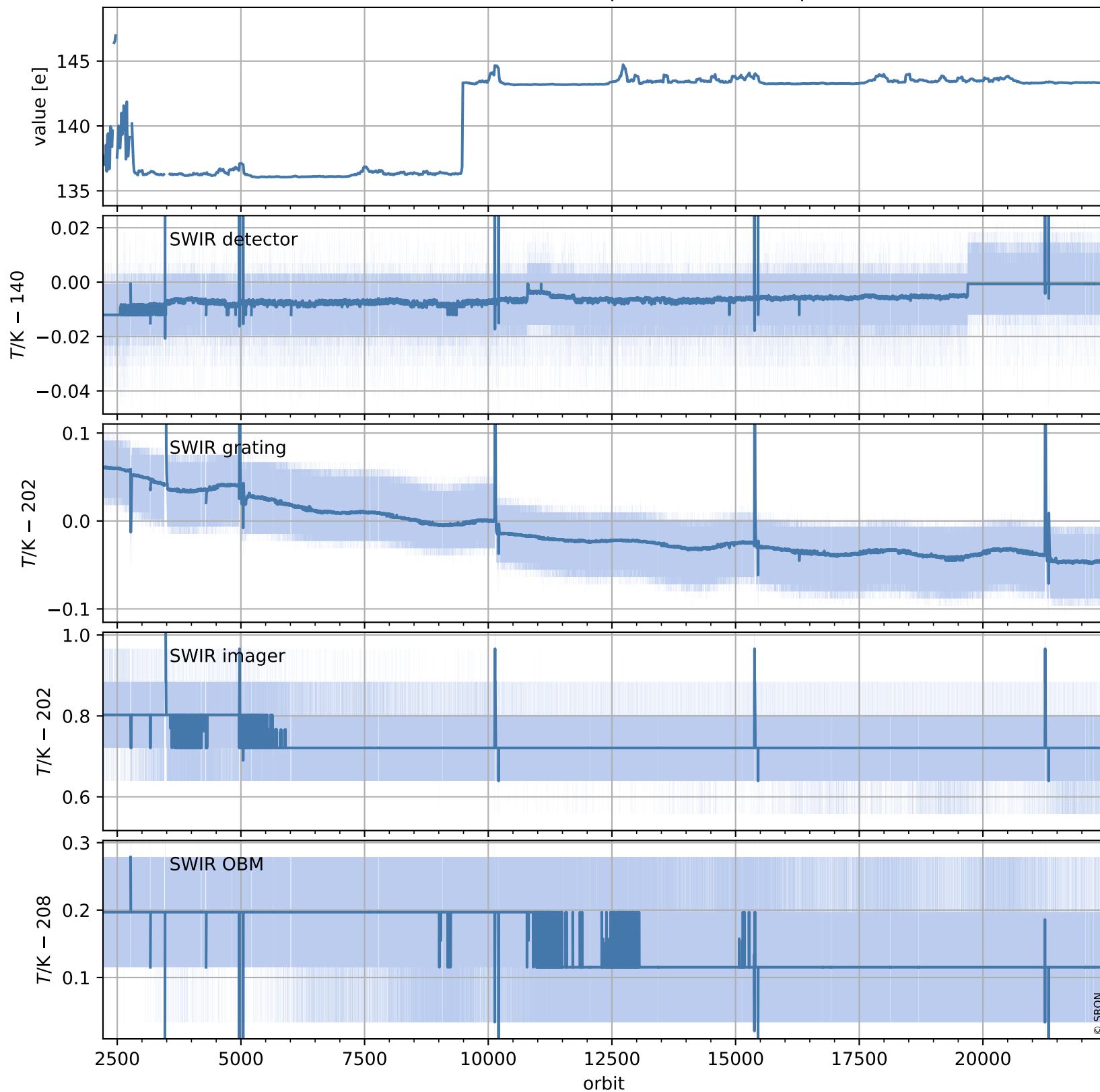
orbits : 11 in [22372, 22462]  
coverage : 2022-02-06 / 2022-02-12  
created : 2023-08-21T16:24:03



# Tropomi SWIR background noise (swir)

orbits : [2212, 22462]  
coverage : 2018-03-18 / 2022-02-12  
created : 2023-08-21T16:24:03

## trend of detector median of plain noise & temperatures

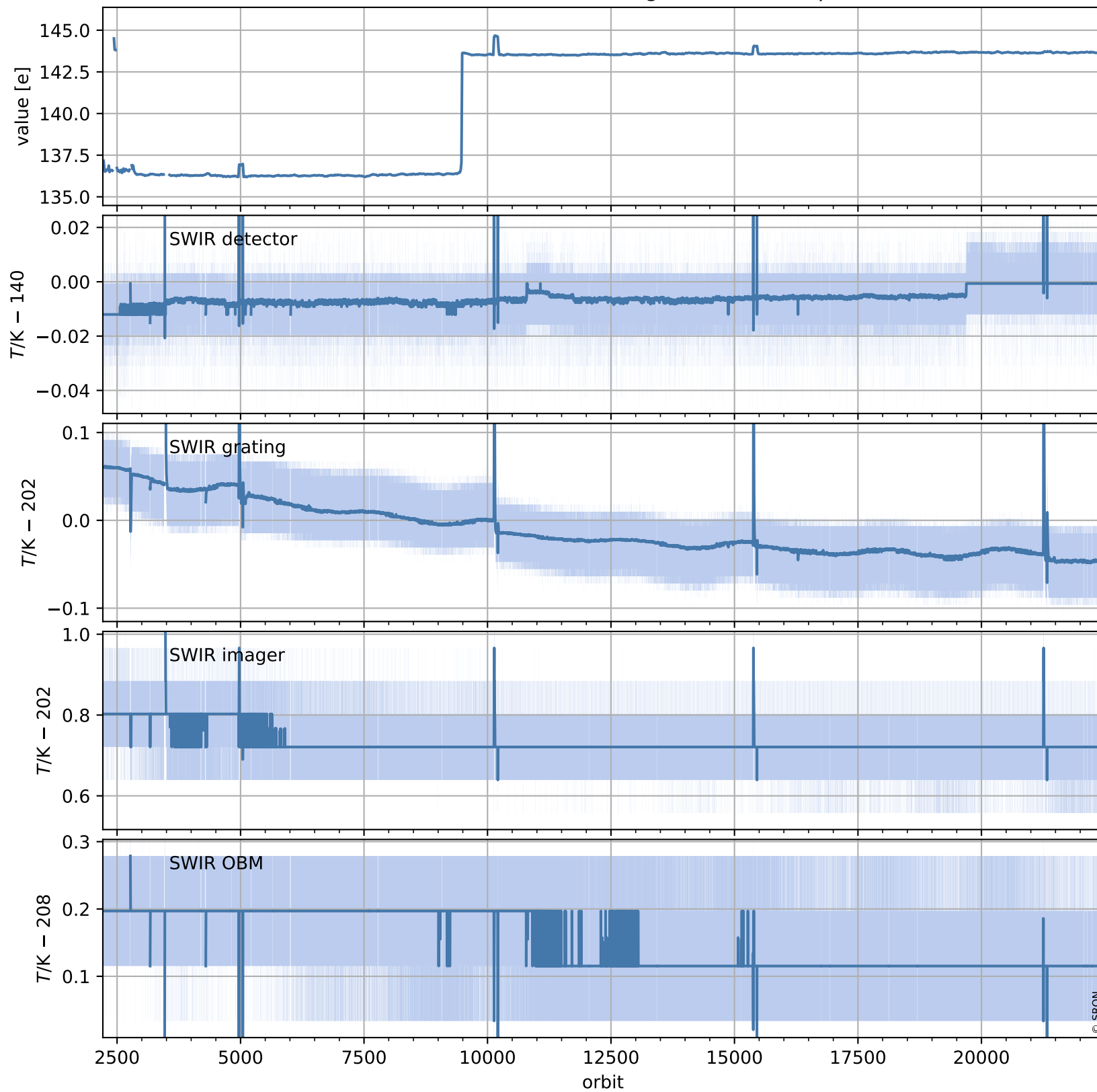




# Tropomi SWIR background noise (swir)

orbits : [2212, 22462]  
coverage : 2018-03-18 / 2022-02-12  
created : 2023-08-21T16:24:04

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22462]  
coverage : 2018-03-18 / 2022-02-12  
created : 2023-08-21T16:24:05

## trend of normalized read-noise & temperatures

