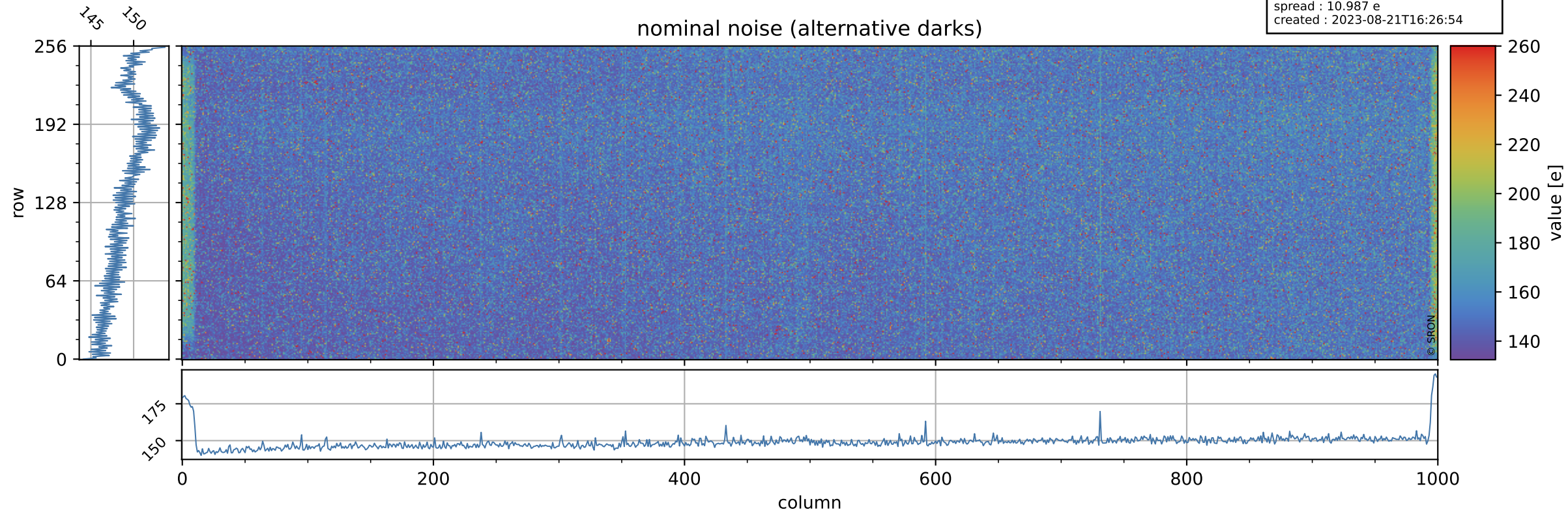


# Tropomi SWIR background noise (swir)

orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.82 e  
spread : 10.987 e  
created : 2023-08-21T16:26:54

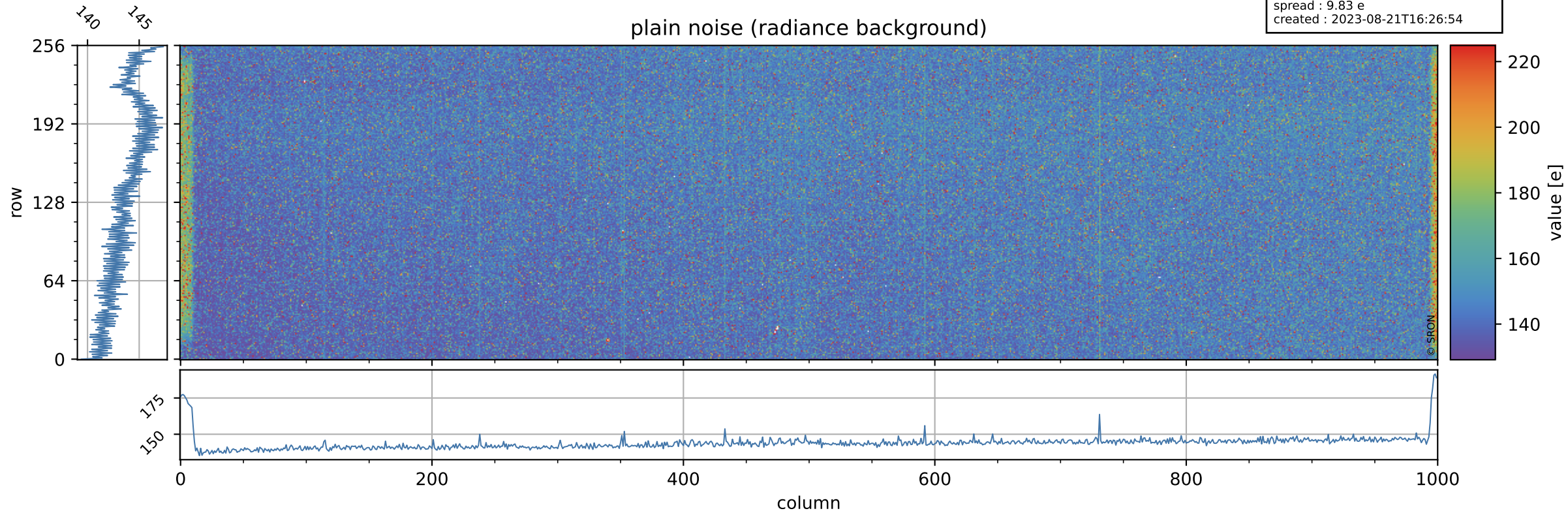
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.62 e  
spread : 9.83 e  
created : 2023-08-21T16:26:54

## plain noise (radiance background)

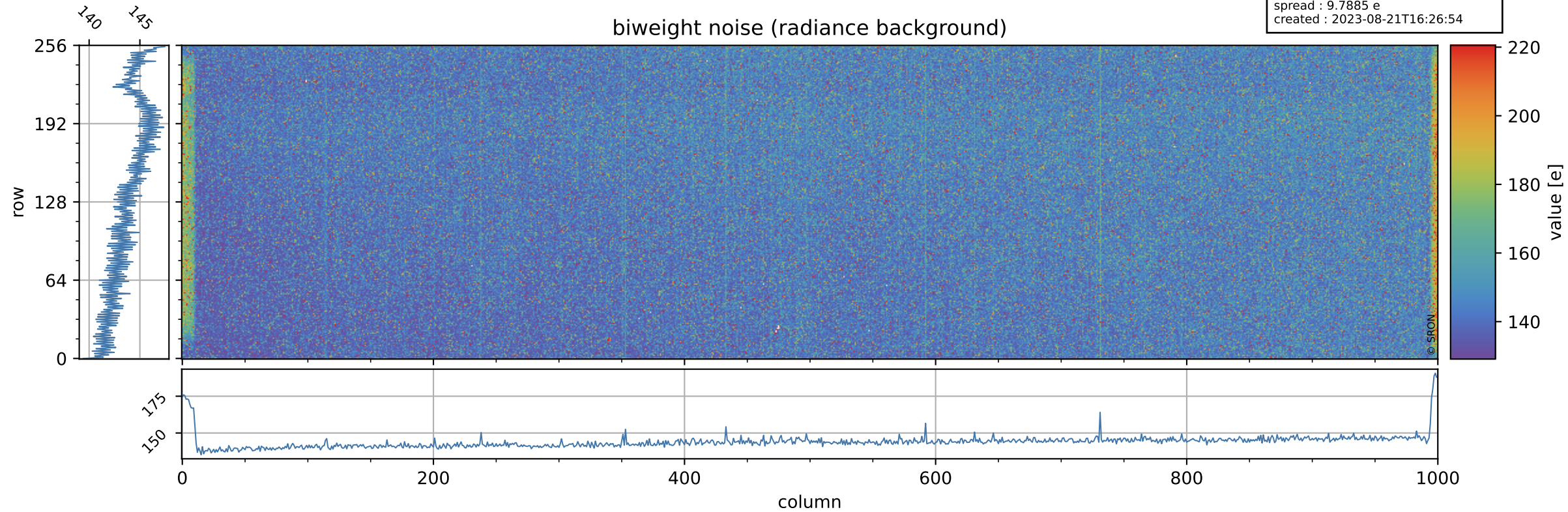




# Tropomi SWIR background noise (swir)

orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.7885 e  
created : 2023-08-21T16:26:54

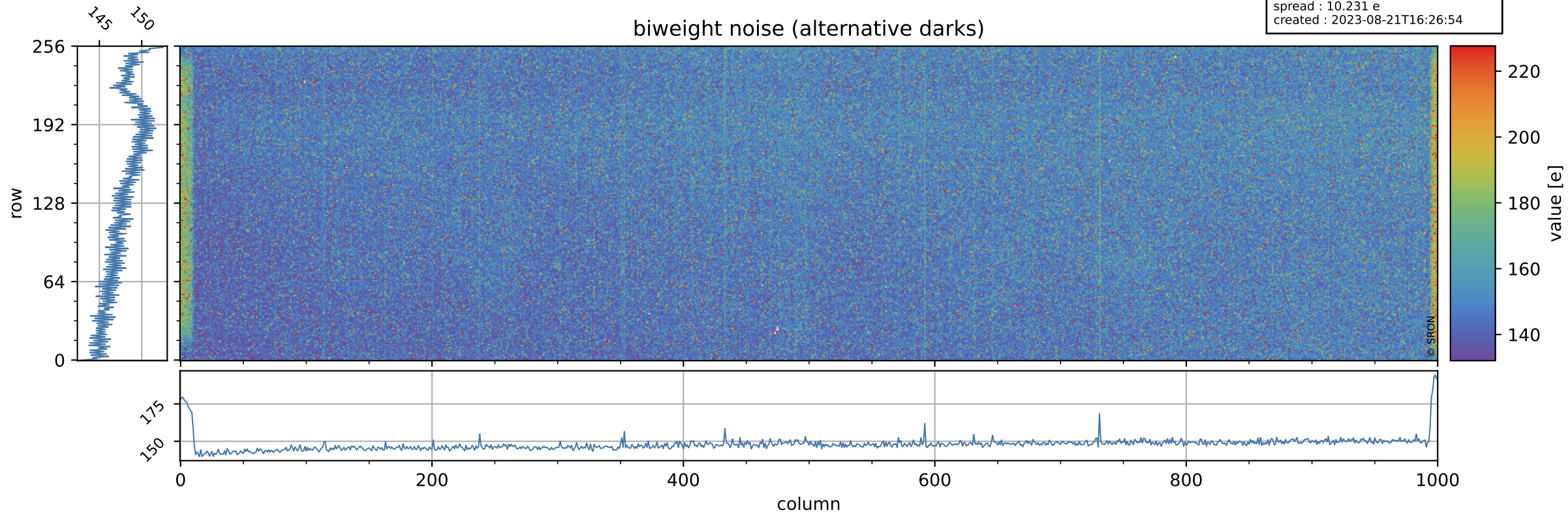
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.231 e  
created : 2023-08-21T16:26:54

## biweight noise (alternative darks)

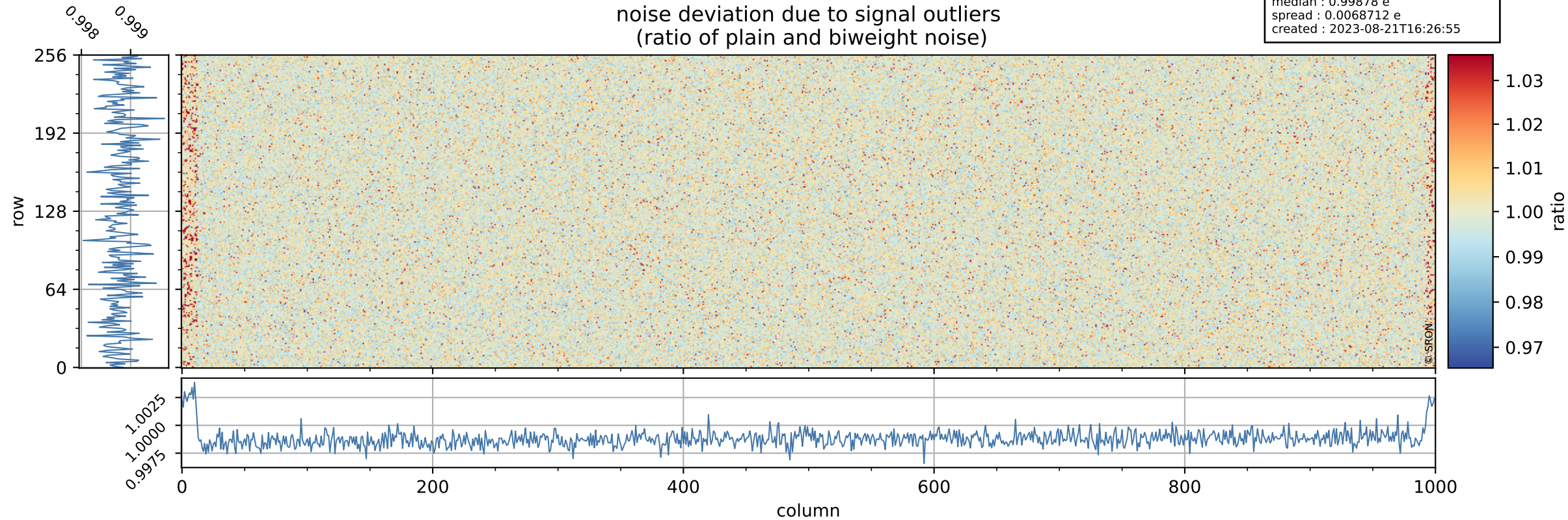




# Tropomi SWIR background noise (swir)

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

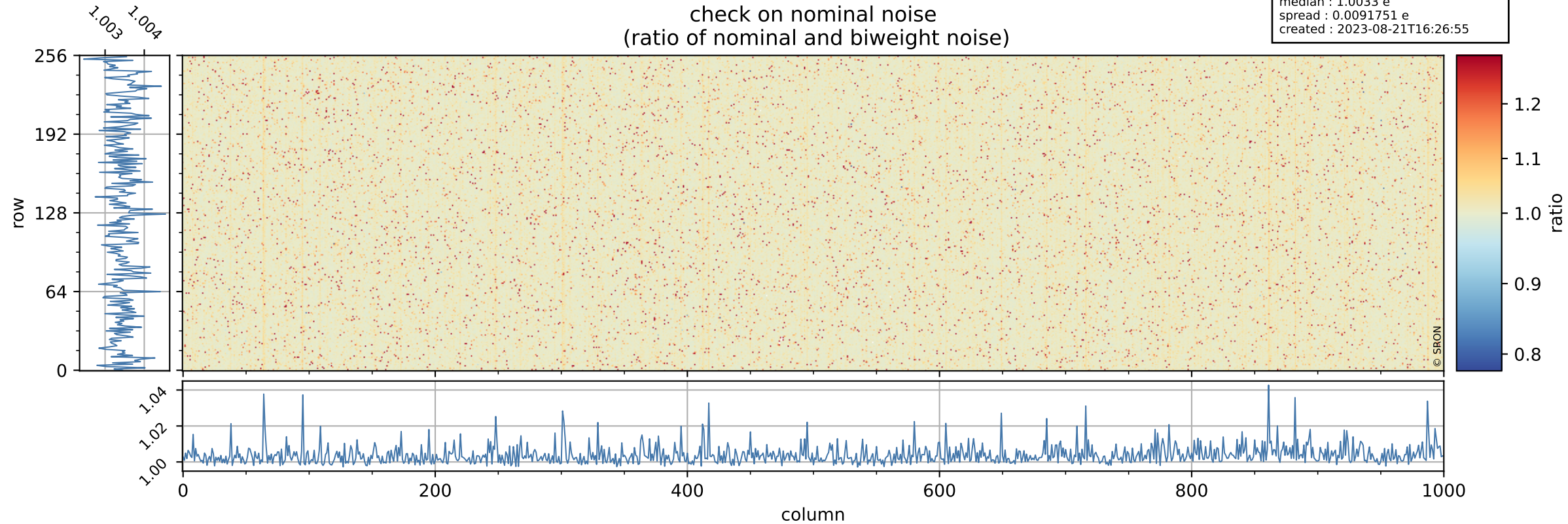
orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
median : 0.99878 e  
spread : 0.0068712 e  
created : 2023-08-21T16:26:55



# Tropomi SWIR background noise (swir)

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

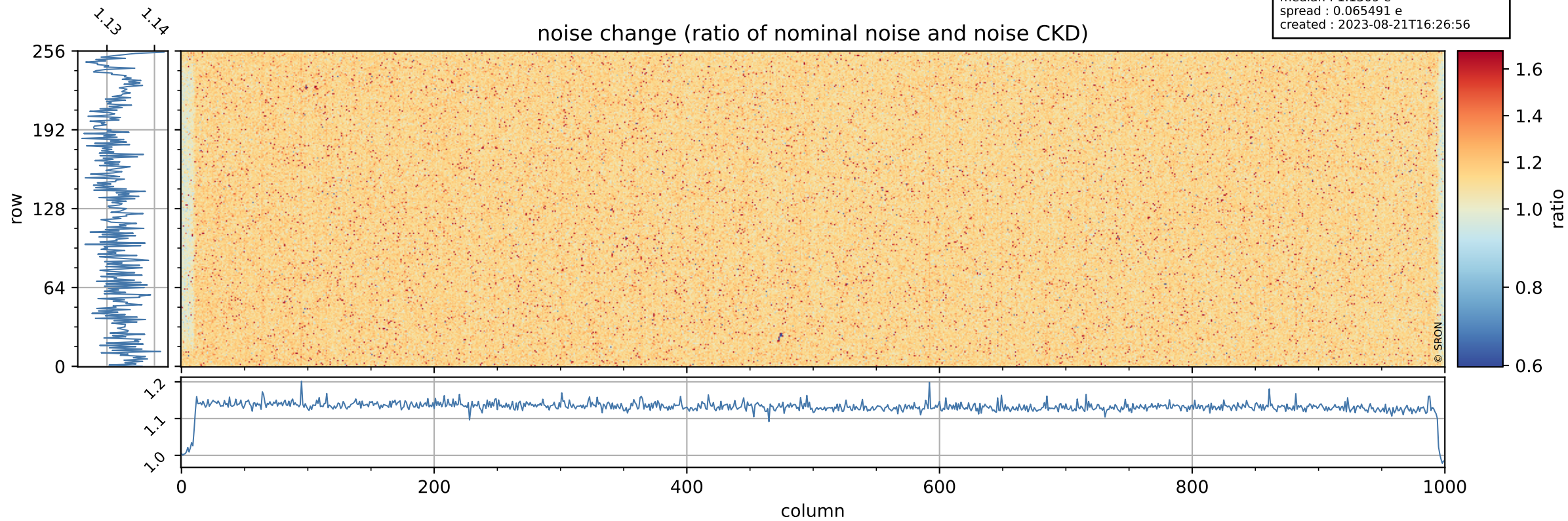
orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
median : 1.0033 e  
spread : 0.0091751 e  
created : 2023-08-21T16:26:55





# Tropomi SWIR background noise (swir)

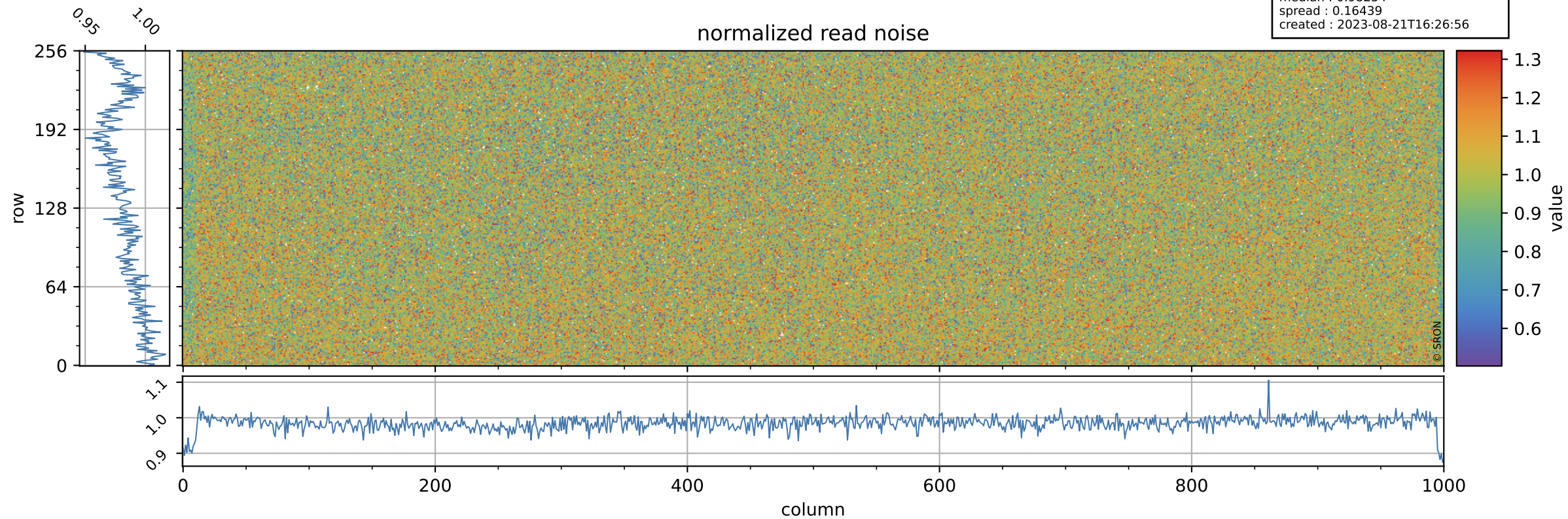
orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
median : 1.1309 e  
spread : 0.065491 e  
created : 2023-08-21T16:26:56





# Tropomi SWIR background noise (swir)

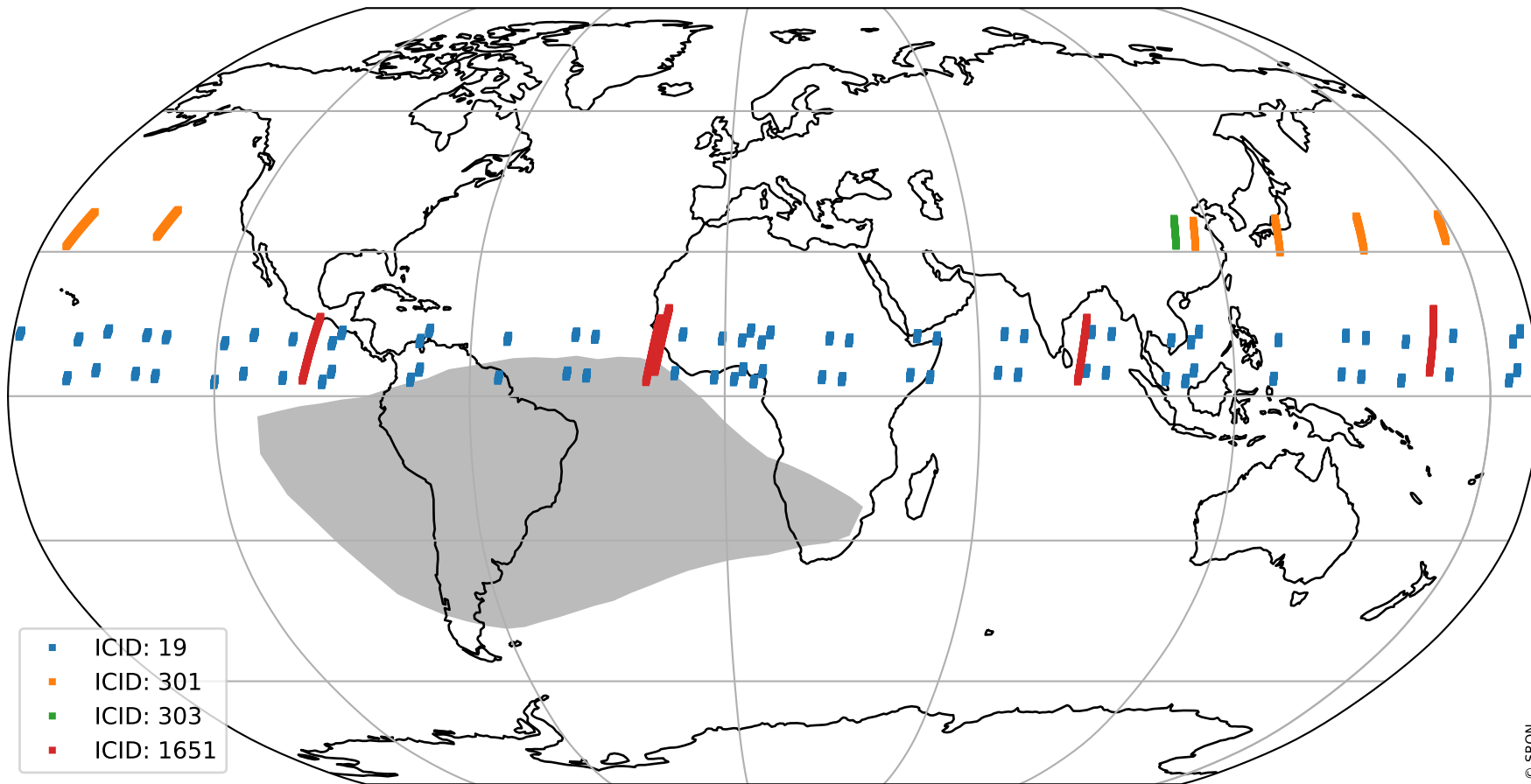
orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
median : 0.98254  
spread : 0.16439  
created : 2023-08-21T16:26:56





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

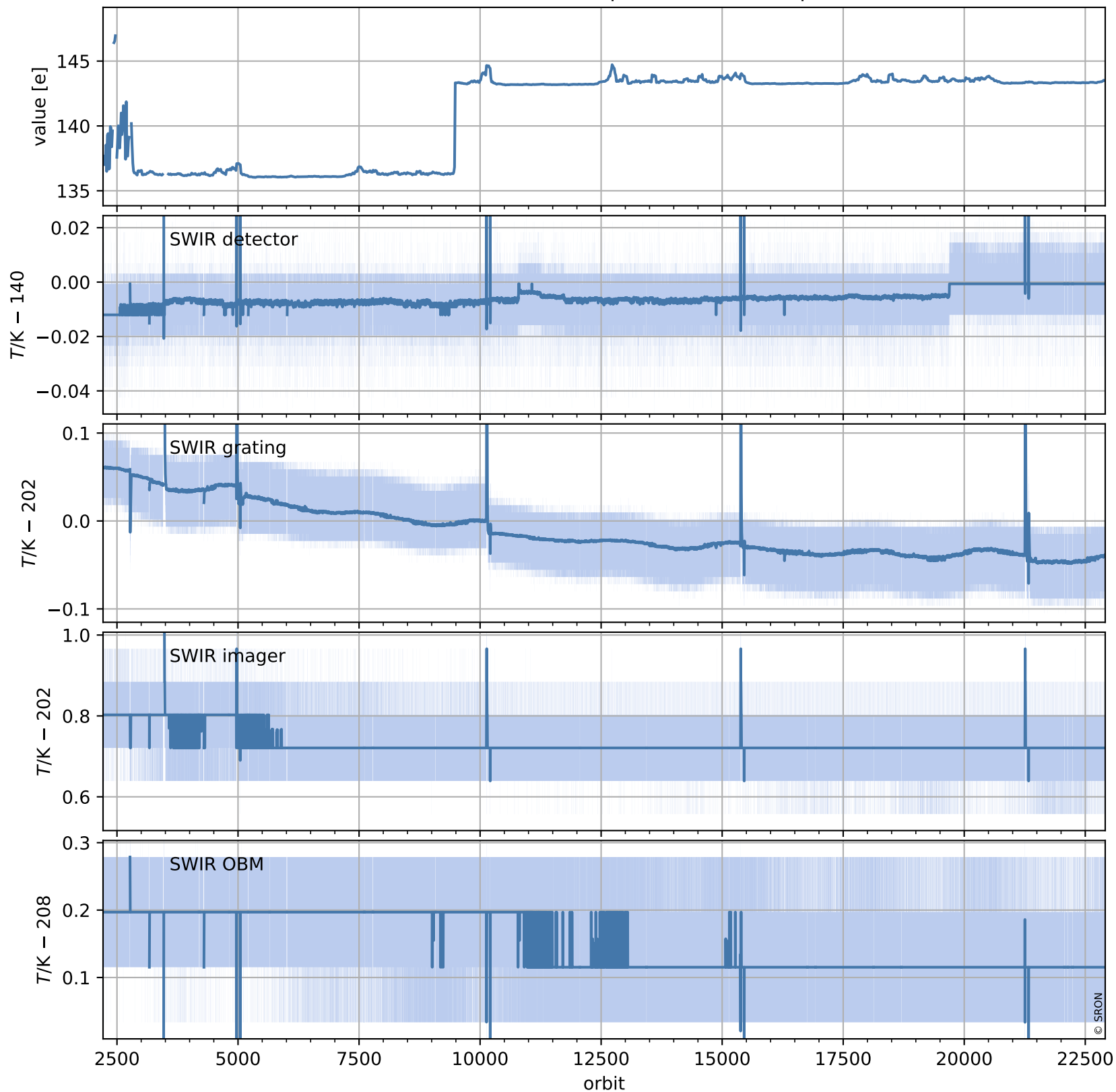
orbits : 12 in [22822, 22912]  
coverage : 2022-03-10 / 2022-03-16  
created : 2023-08-21T16:26:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 22912]  
coverage : 2018-03-18 / 2022-03-16  
created : 2023-08-21T16:26:57

## trend of detector median of plain noise & temperatures

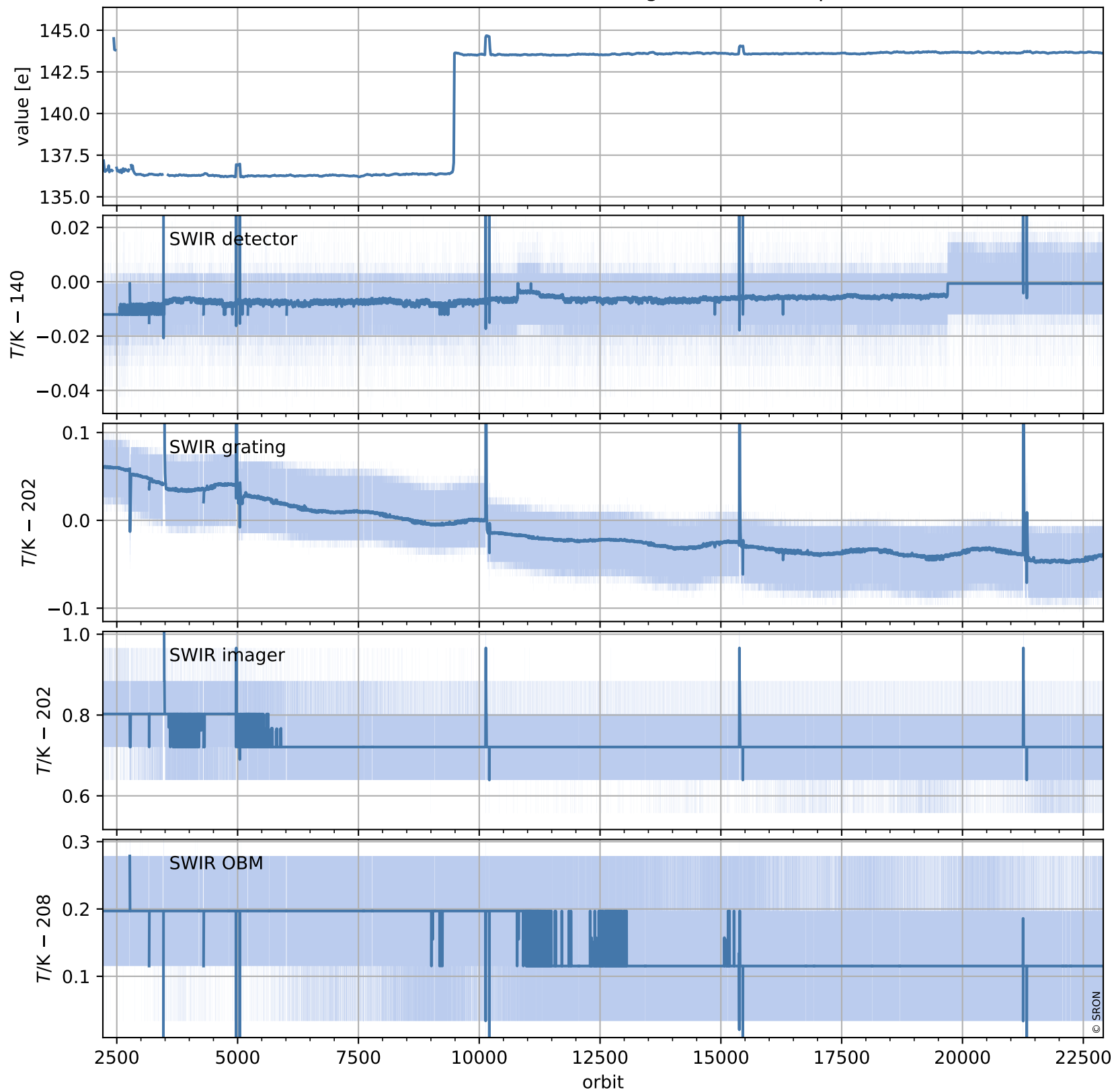




# Tropomi SWIR background noise (swir)

orbits : [2212, 22912]  
coverage : 2018-03-18 / 2022-03-16  
created : 2023-08-21T16:26:57

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22912]  
coverage : 2018-03-18 / 2022-03-16  
created : 2023-08-21T16:26:58

## trend of normalized read-noise & temperatures

