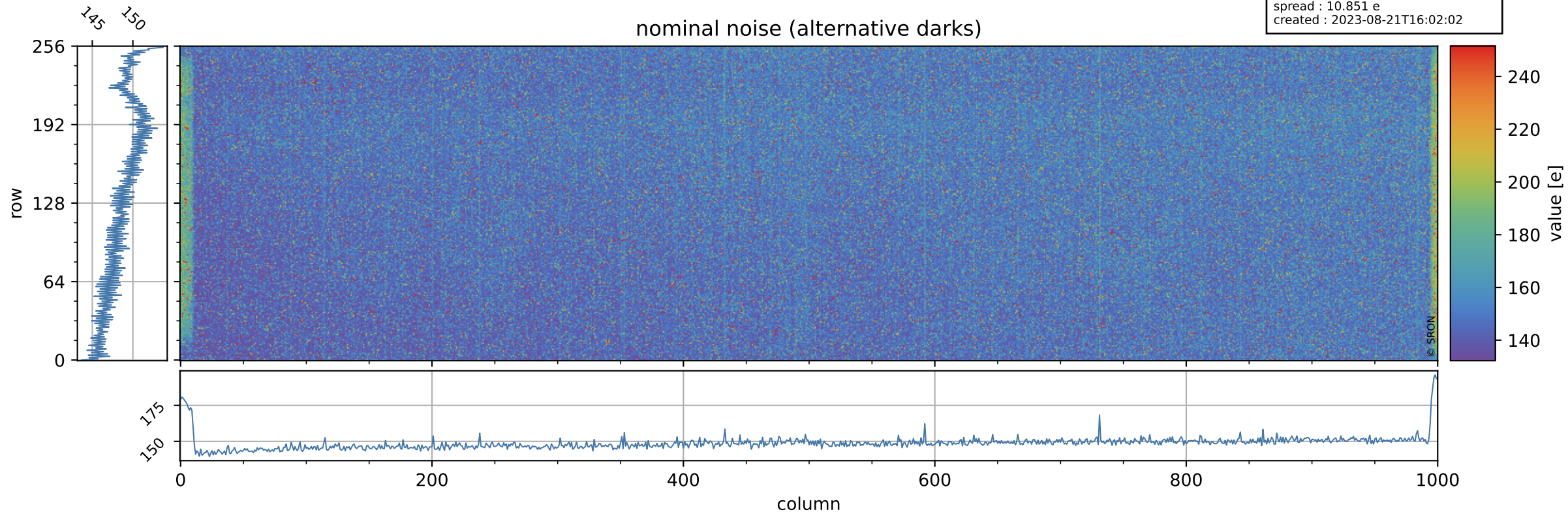


# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.58 e  
spread : 10.851 e  
created : 2023-08-21T16:02:02

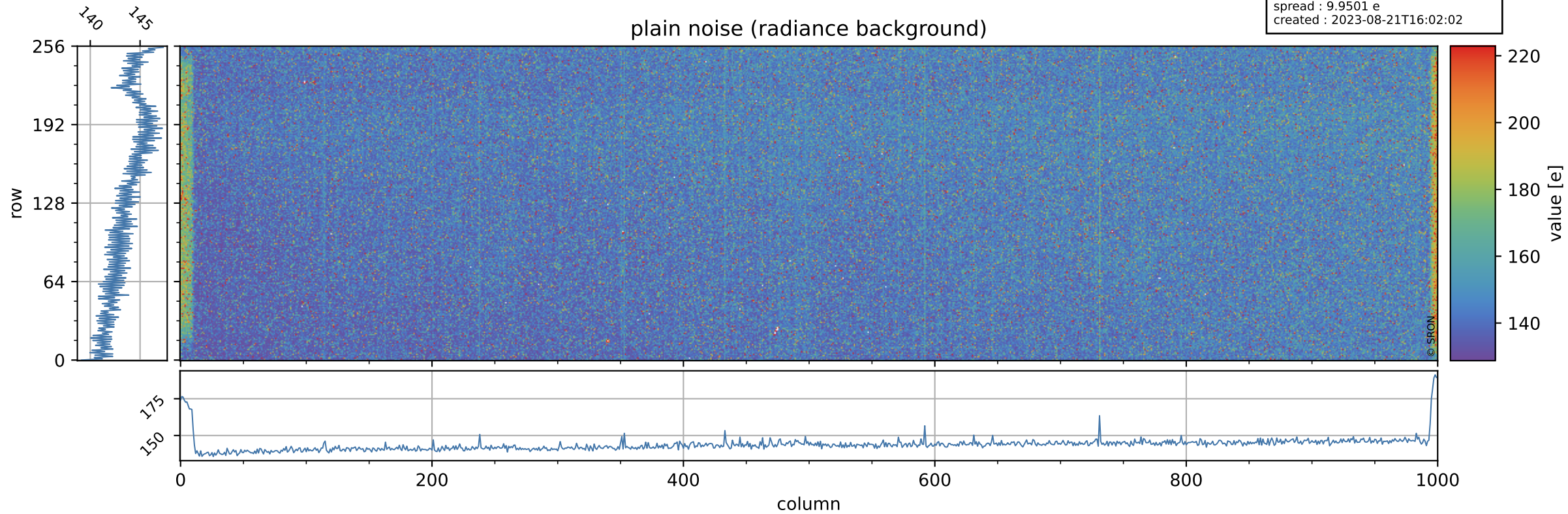
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.57 e  
spread : 9.9501 e  
created : 2023-08-21T16:02:02

plain noise (radiance background)

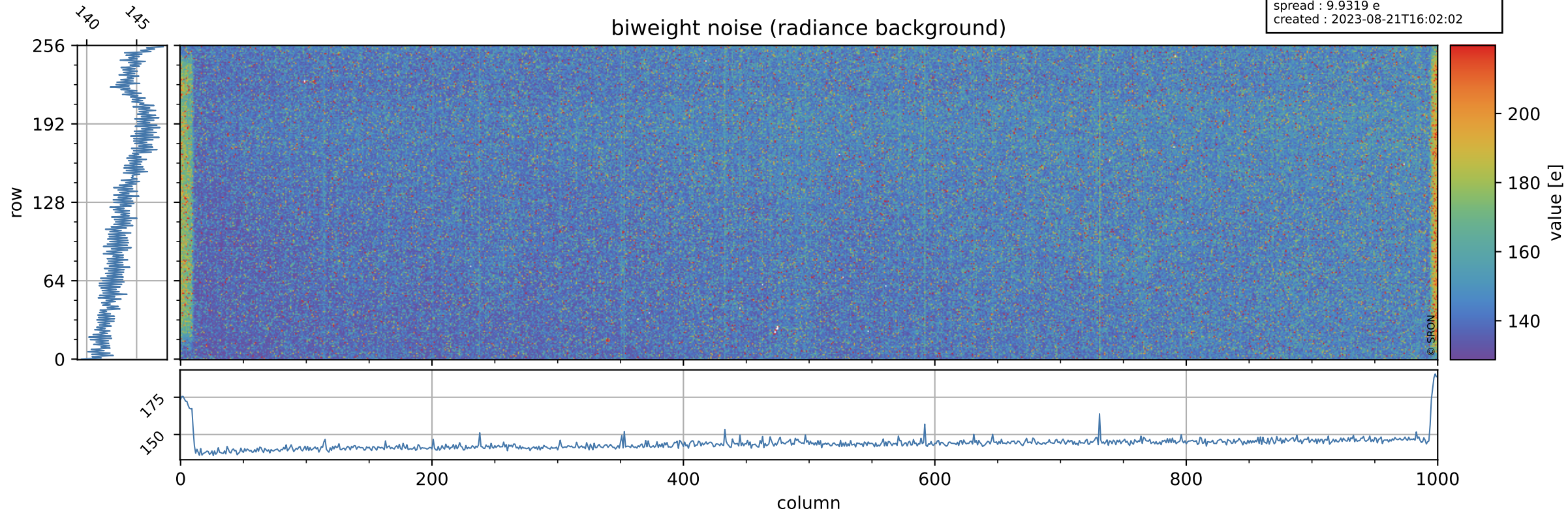




# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.9319 e  
created : 2023-08-21T16:02:02

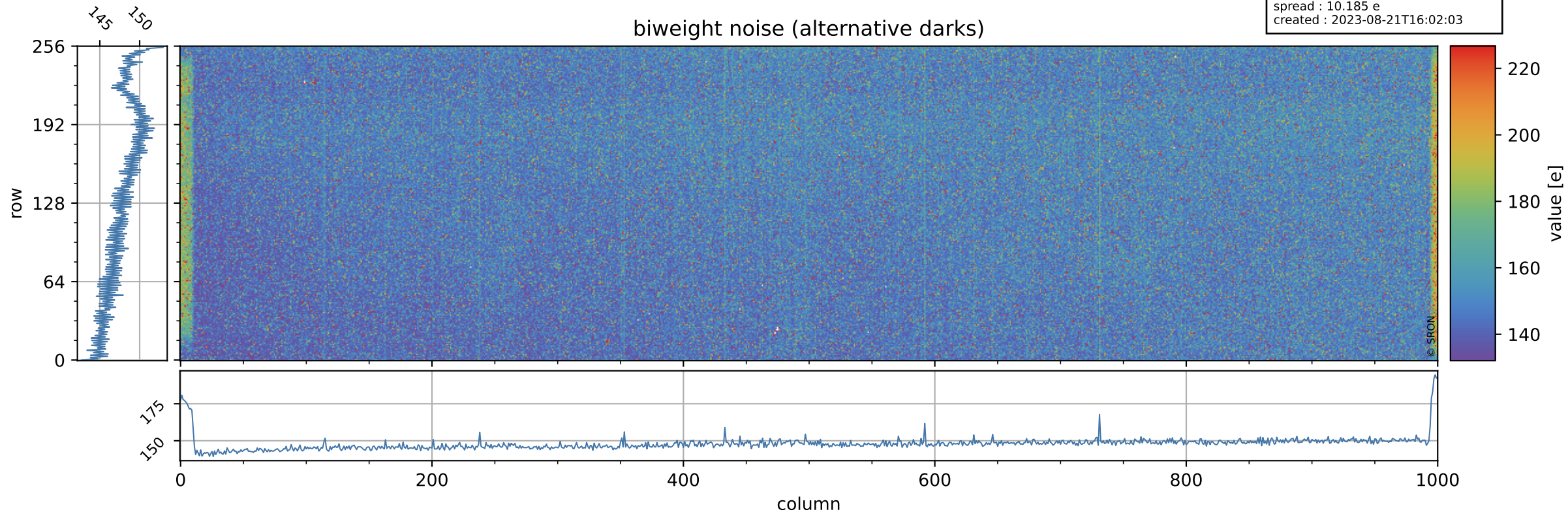
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.185 e  
created : 2023-08-21T16:02:03

## biweight noise (alternative darks)

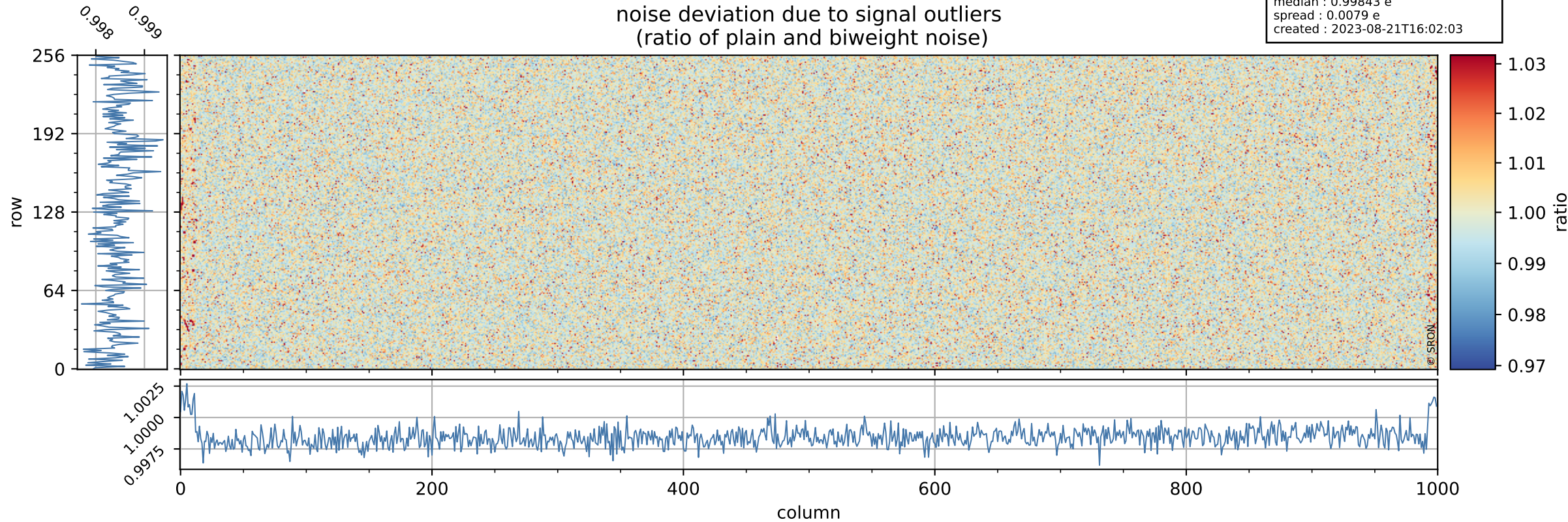




# Tropomi SWIR background noise (swir)

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

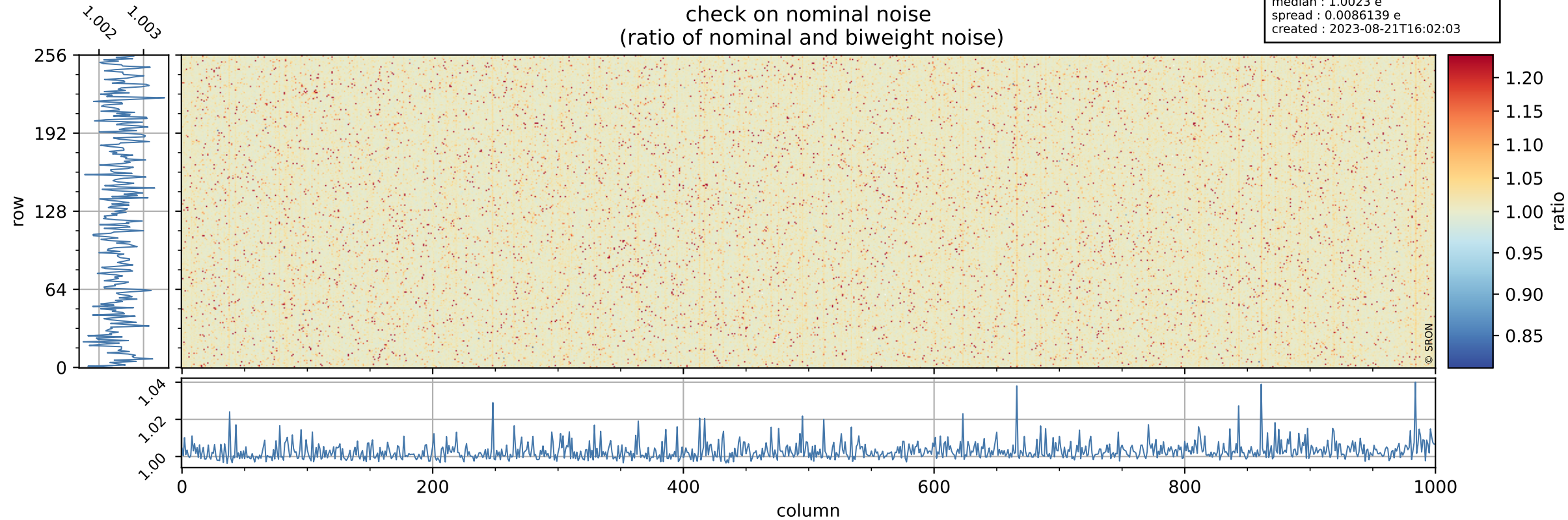
orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
median : 0.99843 e  
spread : 0.0079 e  
created : 2023-08-21T16:02:03



# Tropomi SWIR background noise (swir)

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

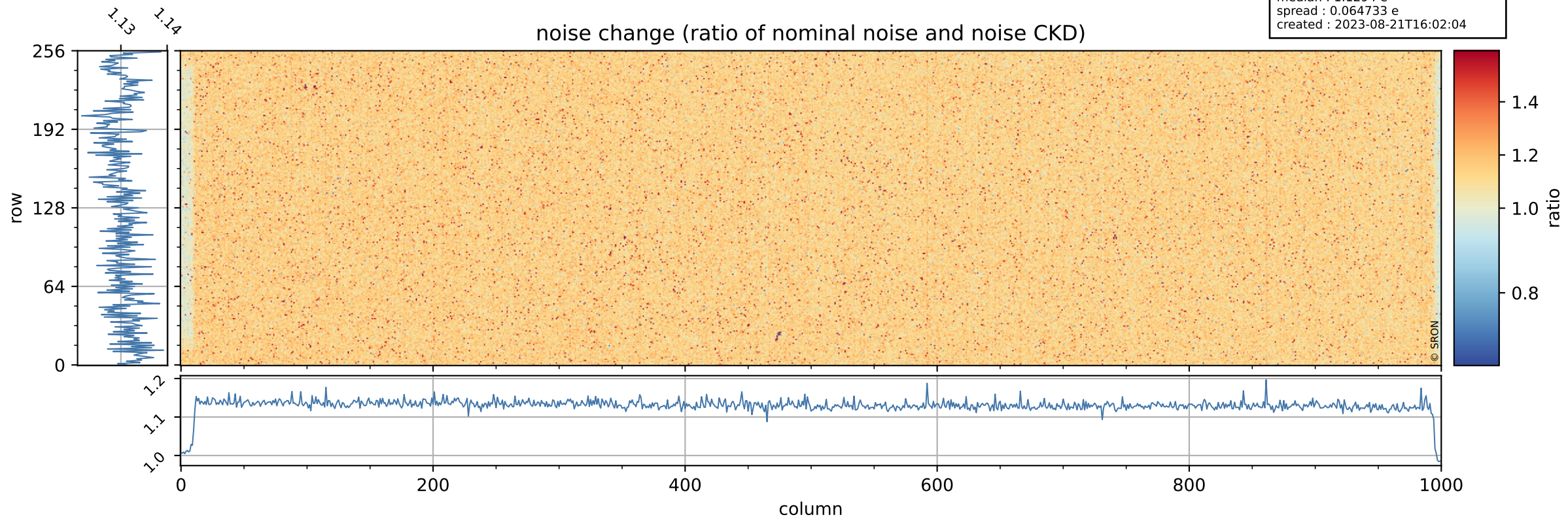
orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
median : 1.0023 e  
spread : 0.0086139 e  
created : 2023-08-21T16:02:03





# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
median : 1.1294 e  
spread : 0.064733 e  
created : 2023-08-21T16:02:04

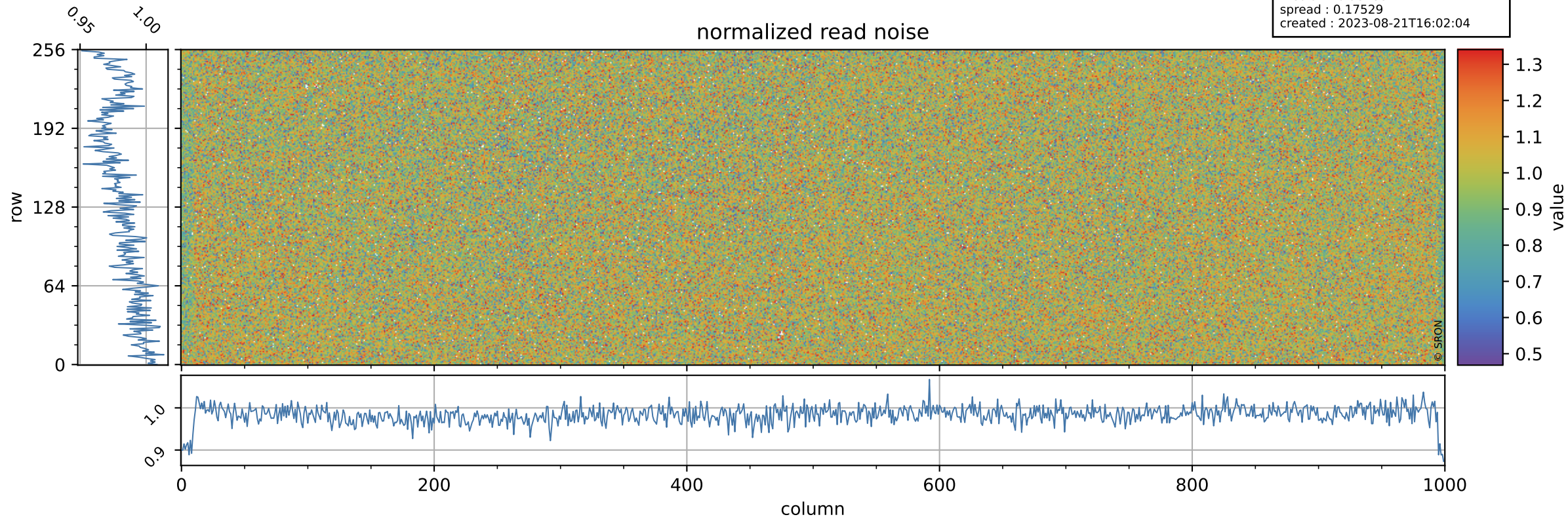




# Tropomi SWIR background noise (swir)

orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
median : 0.98188  
spread : 0.17529  
created : 2023-08-21T16:02:04

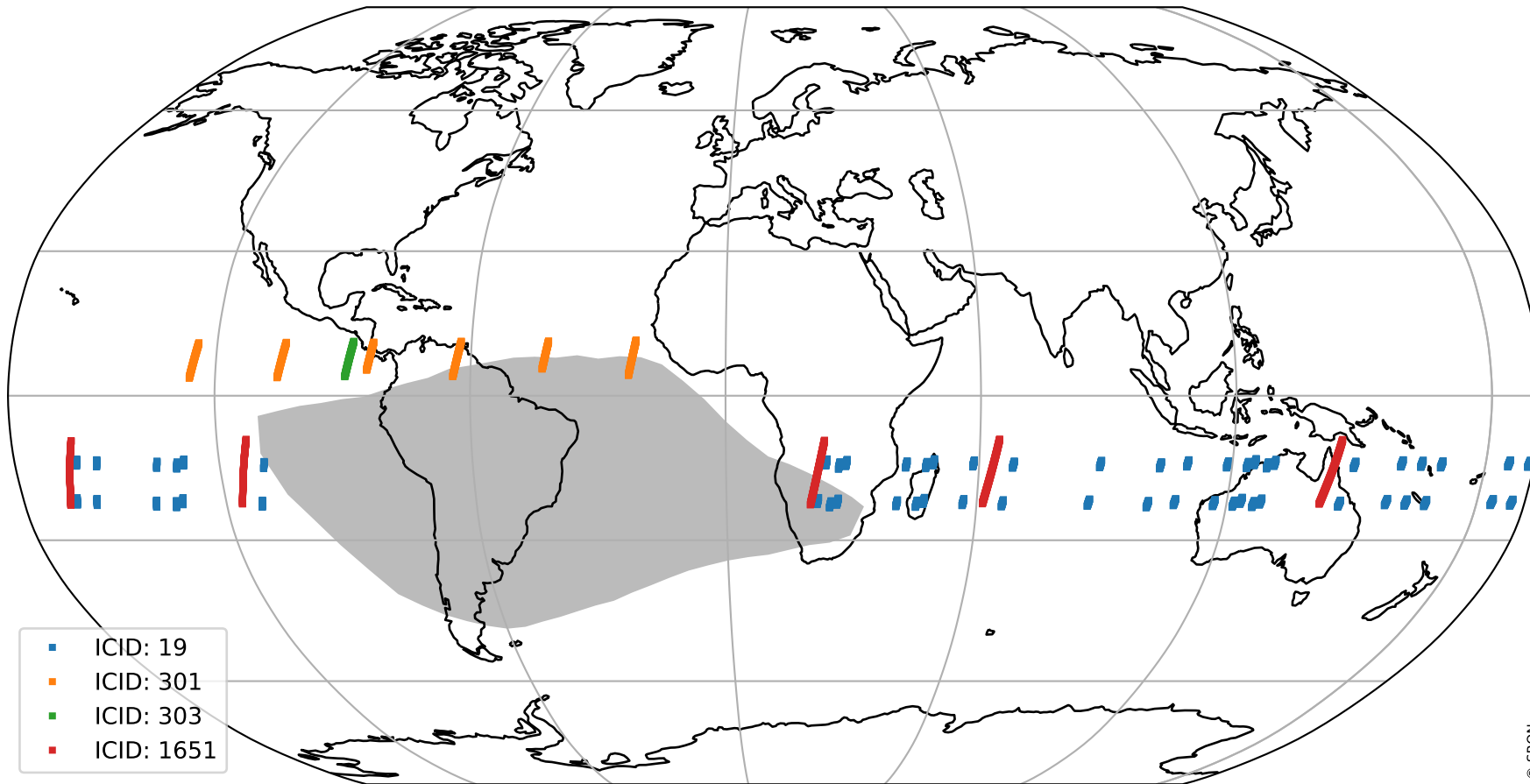
normalized read noise





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

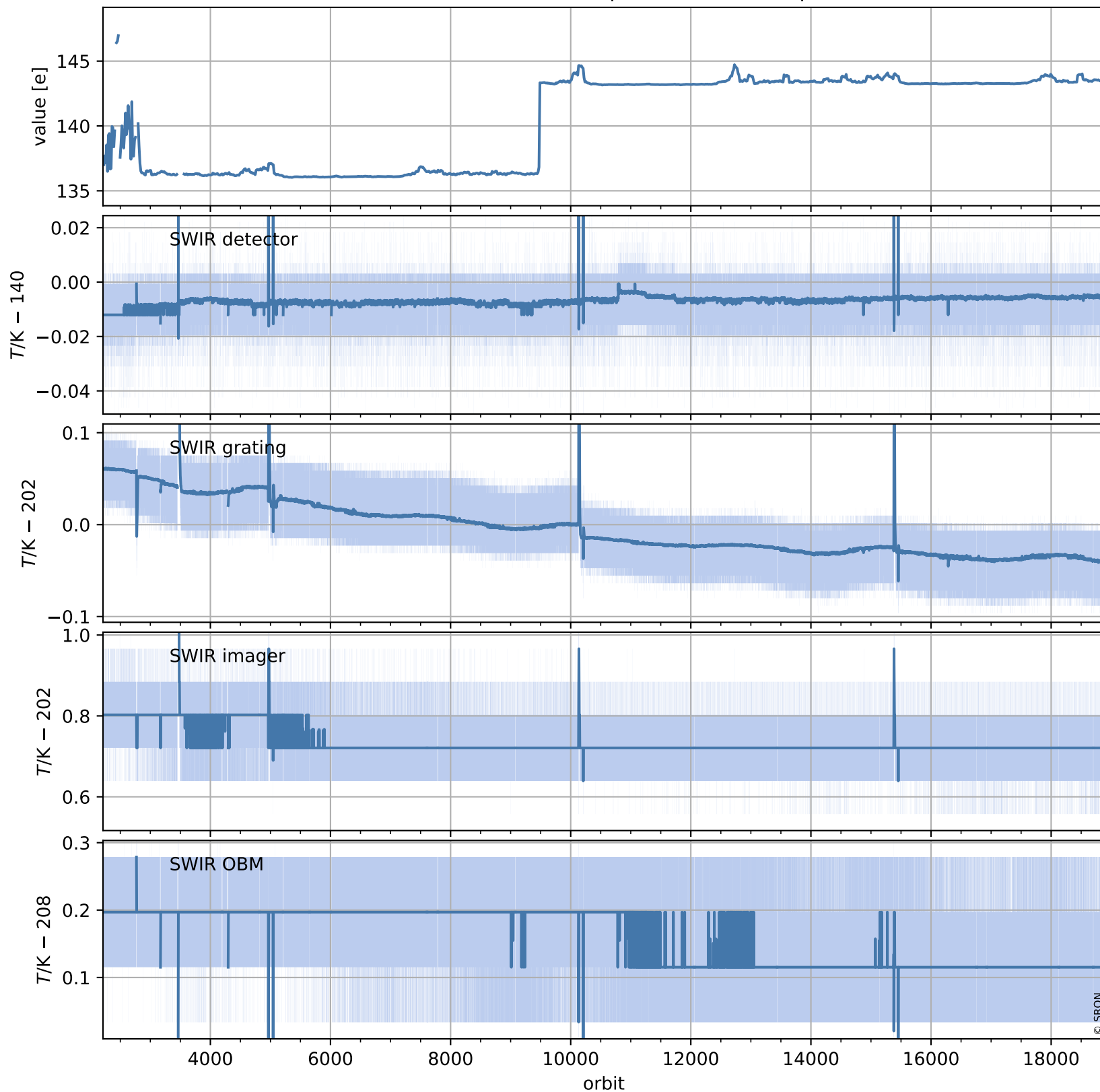
orbits : 12 in [18802, 18892]  
coverage : 2021-05-31 / 2021-06-05  
created : 2023-08-21T16:02:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 18892]  
coverage : 2018-03-18 / 2021-06-05  
created : 2023-08-21T16:02:05

## trend of detector median of plain noise & temperatures

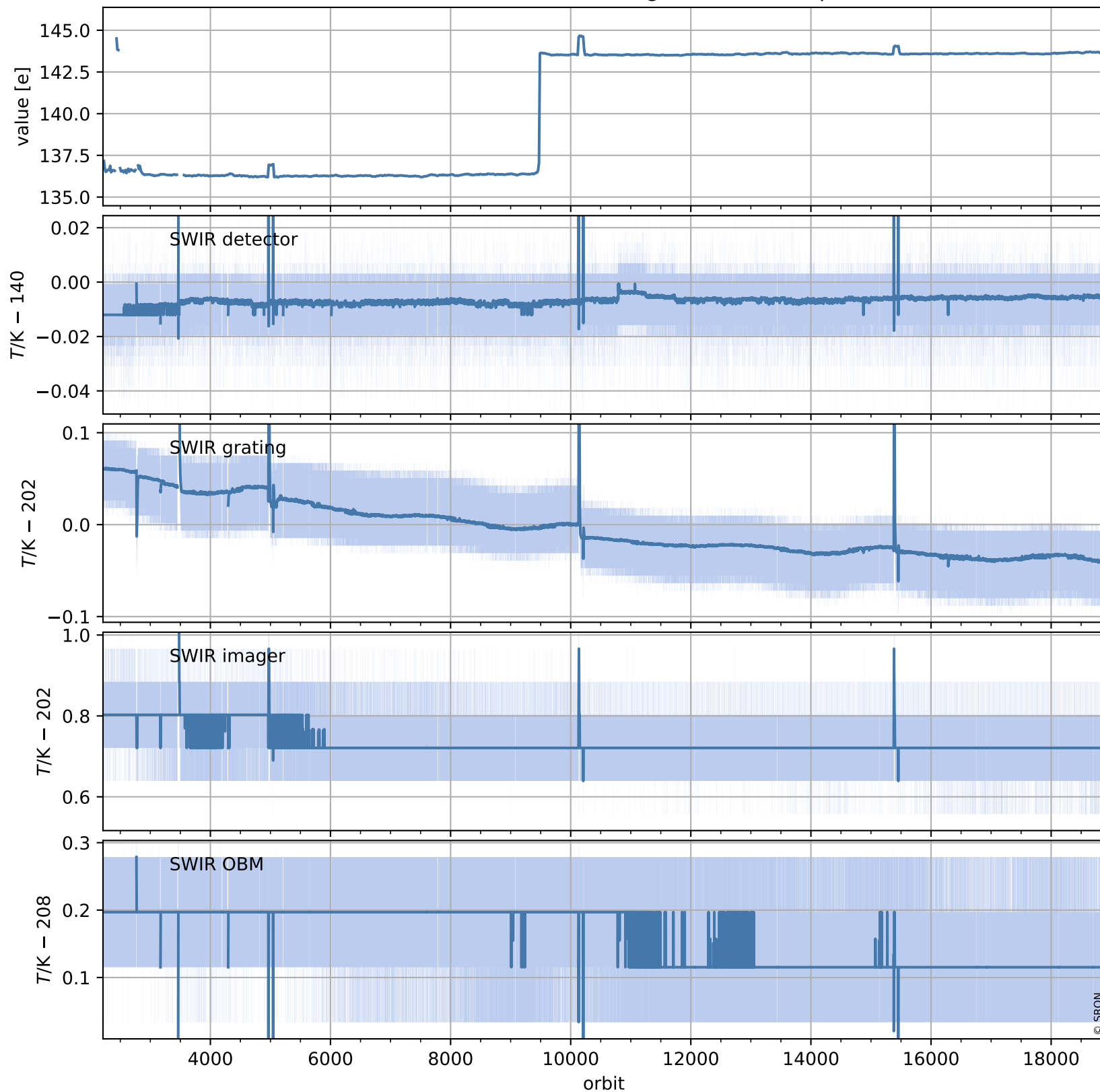




# Tropomi SWIR background noise (swir)

orbits : [2212, 18892]  
coverage : 2018-03-18 / 2021-06-05  
created : 2023-08-21T16:02:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18892]  
coverage : 2018-03-18 / 2021-06-05  
created : 2023-08-21T16:02:06

## trend of normalized read-noise & temperatures

