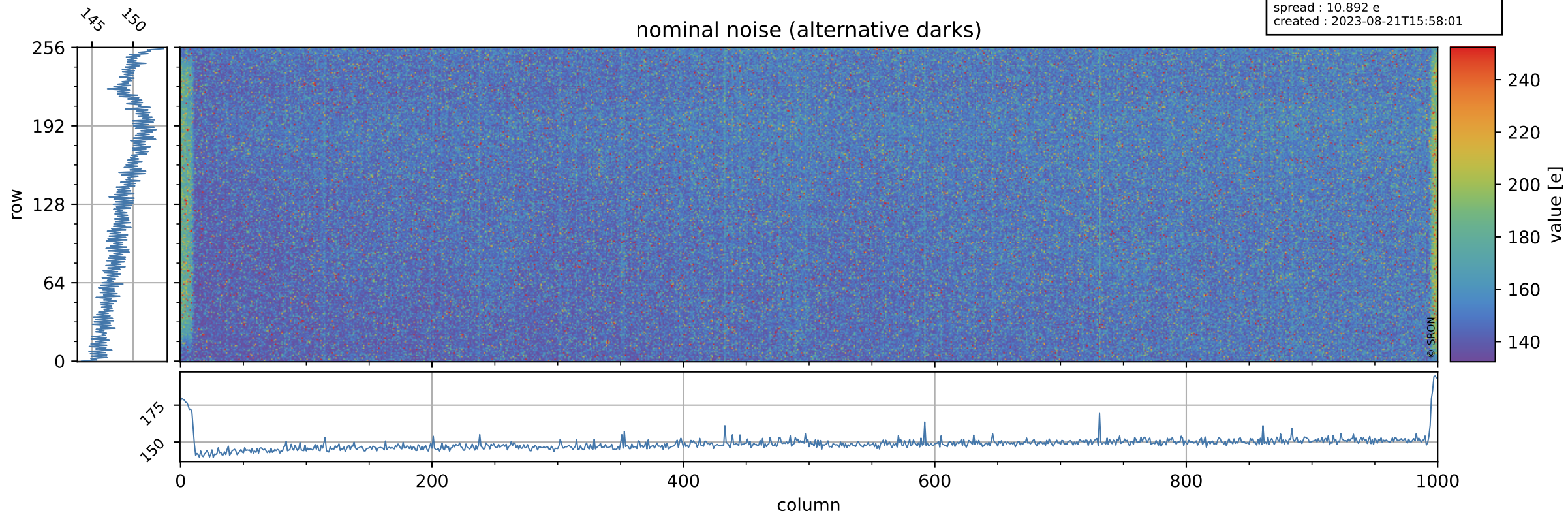


# Tropomi SWIR background noise (swir)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.72 e  
spread : 10.892 e  
created : 2023-08-21T15:58:01

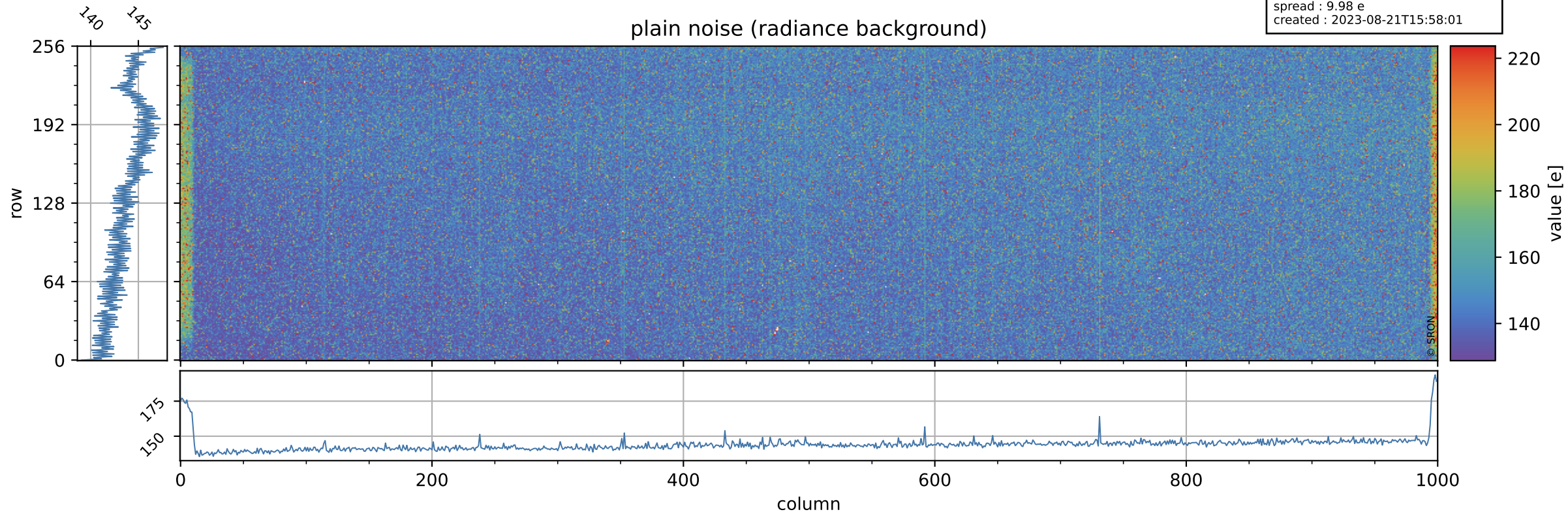
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.98 e  
created : 2023-08-21T15:58:01

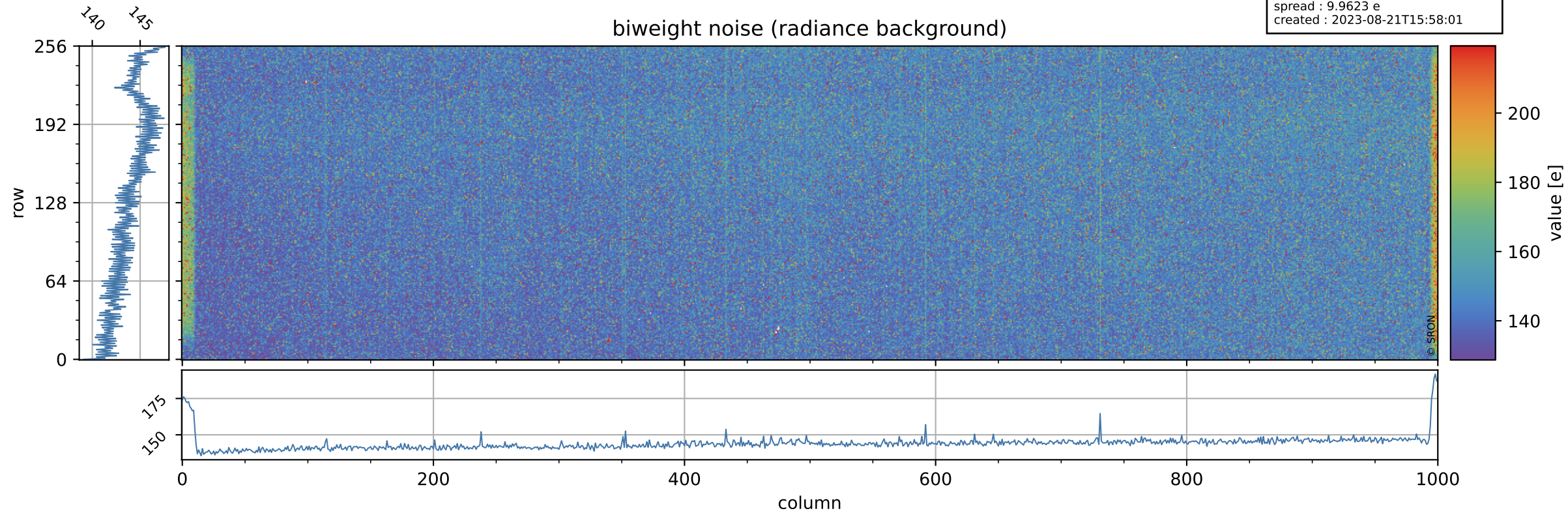
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9623 e  
created : 2023-08-21T15:58:01

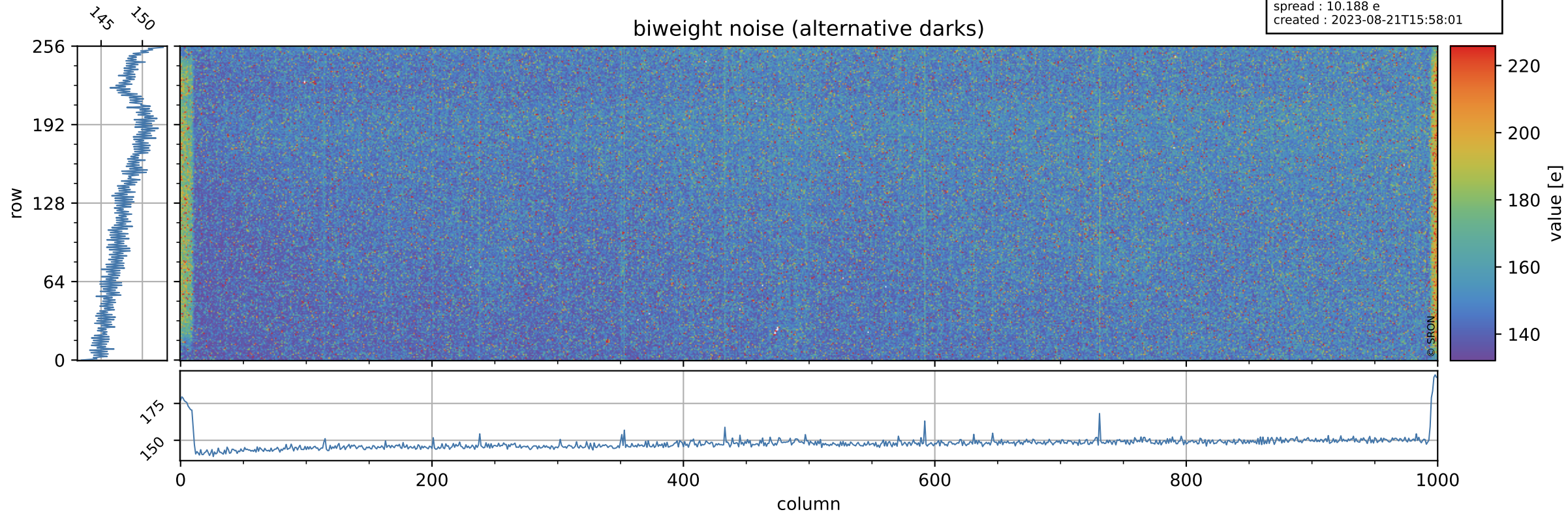
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.188 e  
created : 2023-08-21T15:58:01

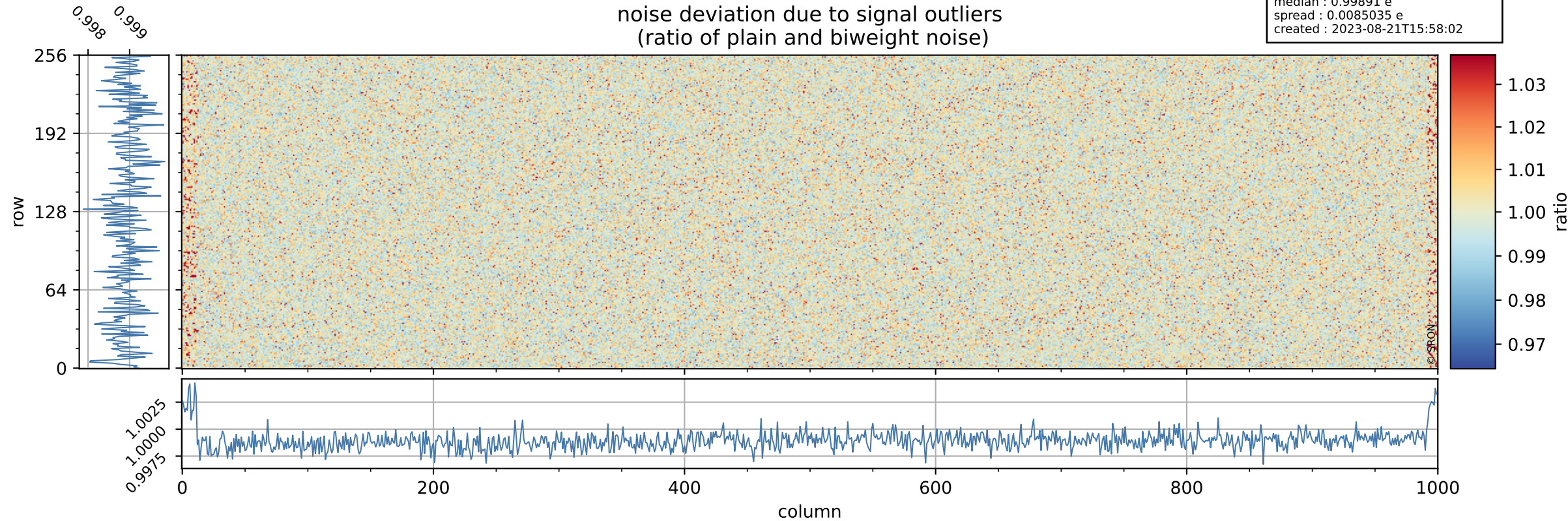
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

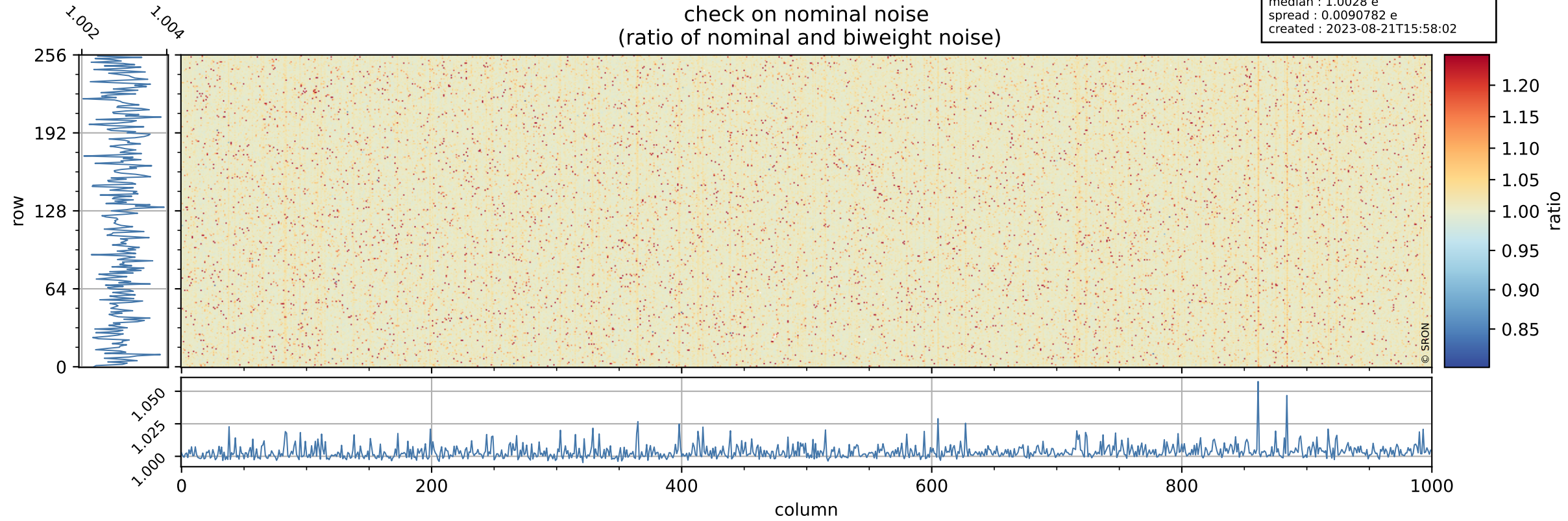
orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
median : 0.99891 e  
spread : 0.0085035 e  
created : 2023-08-21T15:58:02



# Tropomi SWIR background noise (swir)

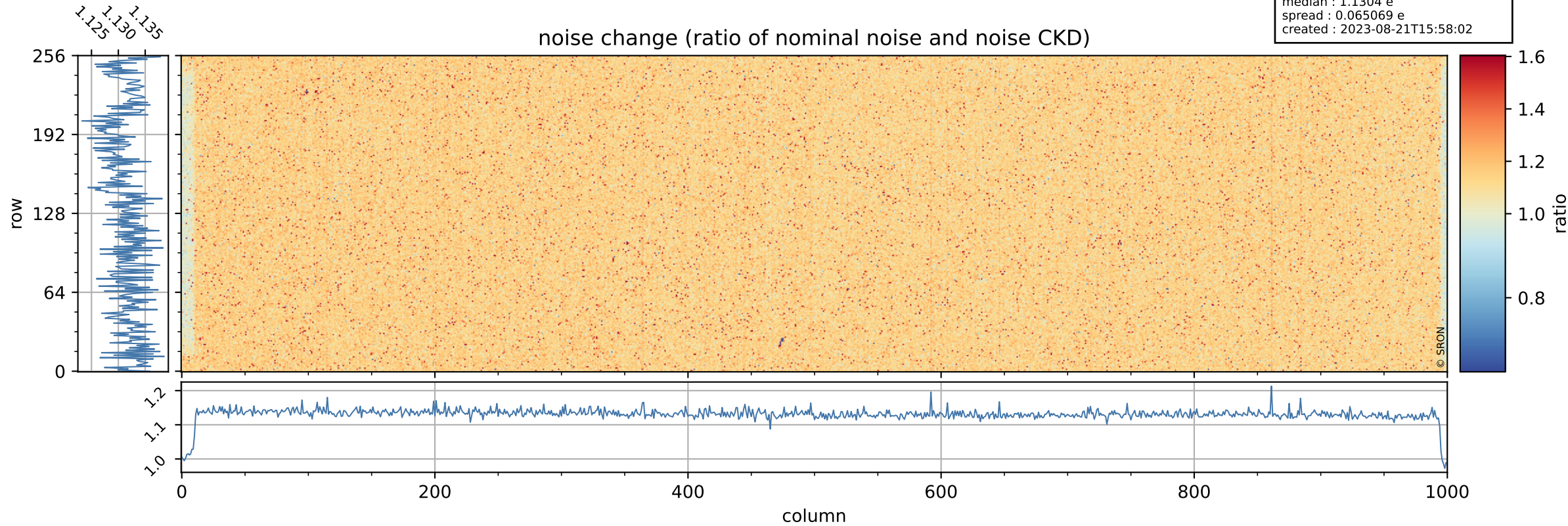
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
median : 1.0028 e  
spread : 0.0090782 e  
created : 2023-08-21T15:58:02



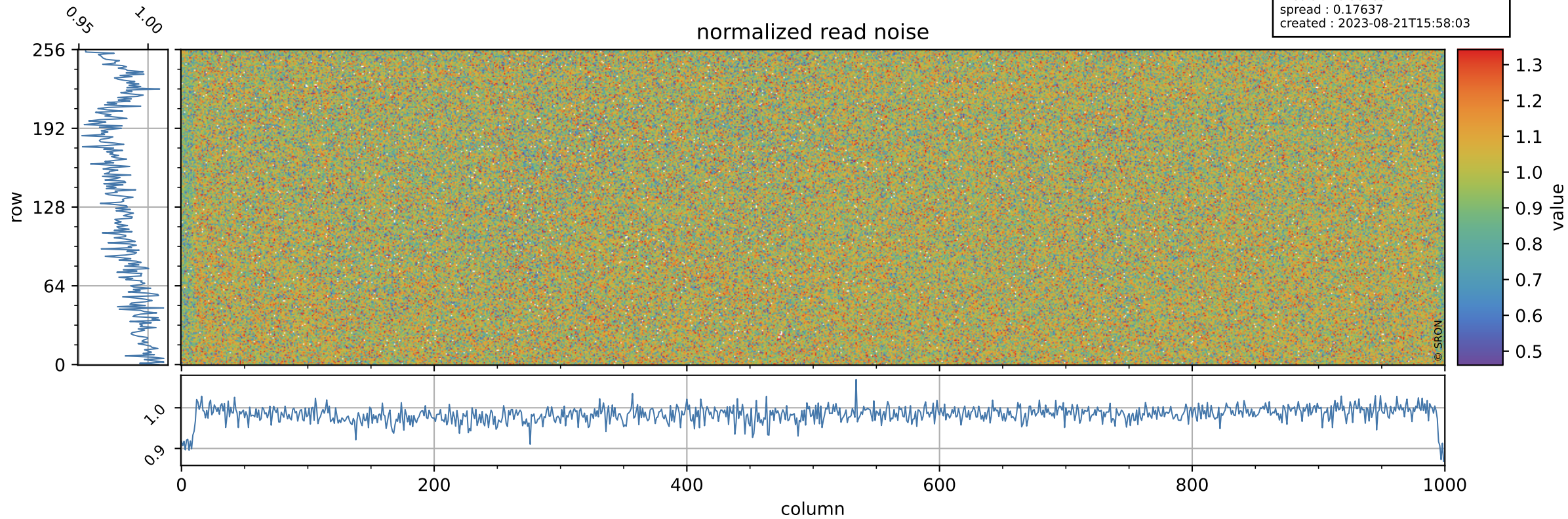
# Tropomi SWIR background noise (swir)

orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
median : 1.1304 e  
spread : 0.065069 e  
created : 2023-08-21T15:58:02



# Tropomi SWIR background noise (swir)

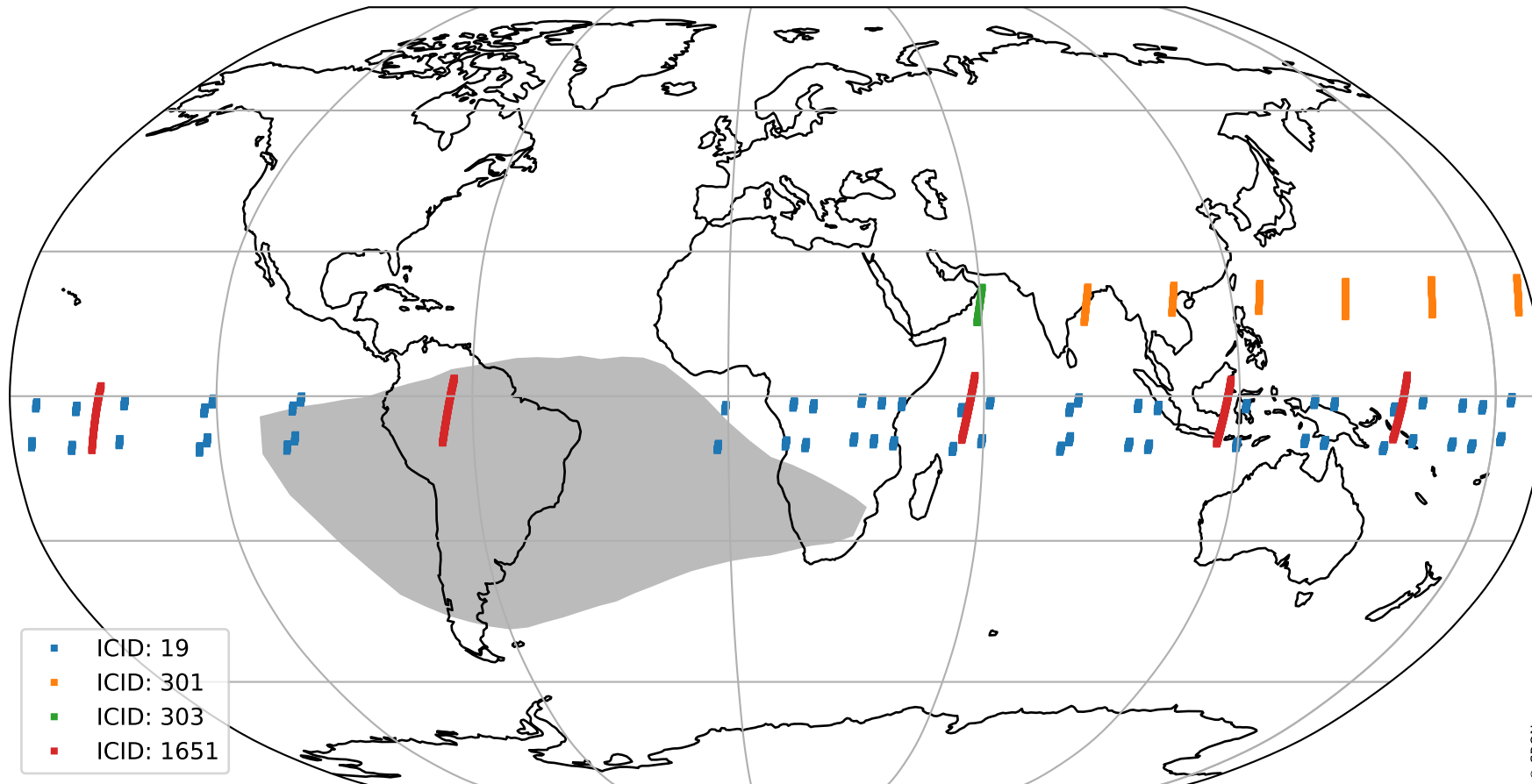
orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
median : 0.98193  
spread : 0.17637  
created : 2023-08-21T15:58:03





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

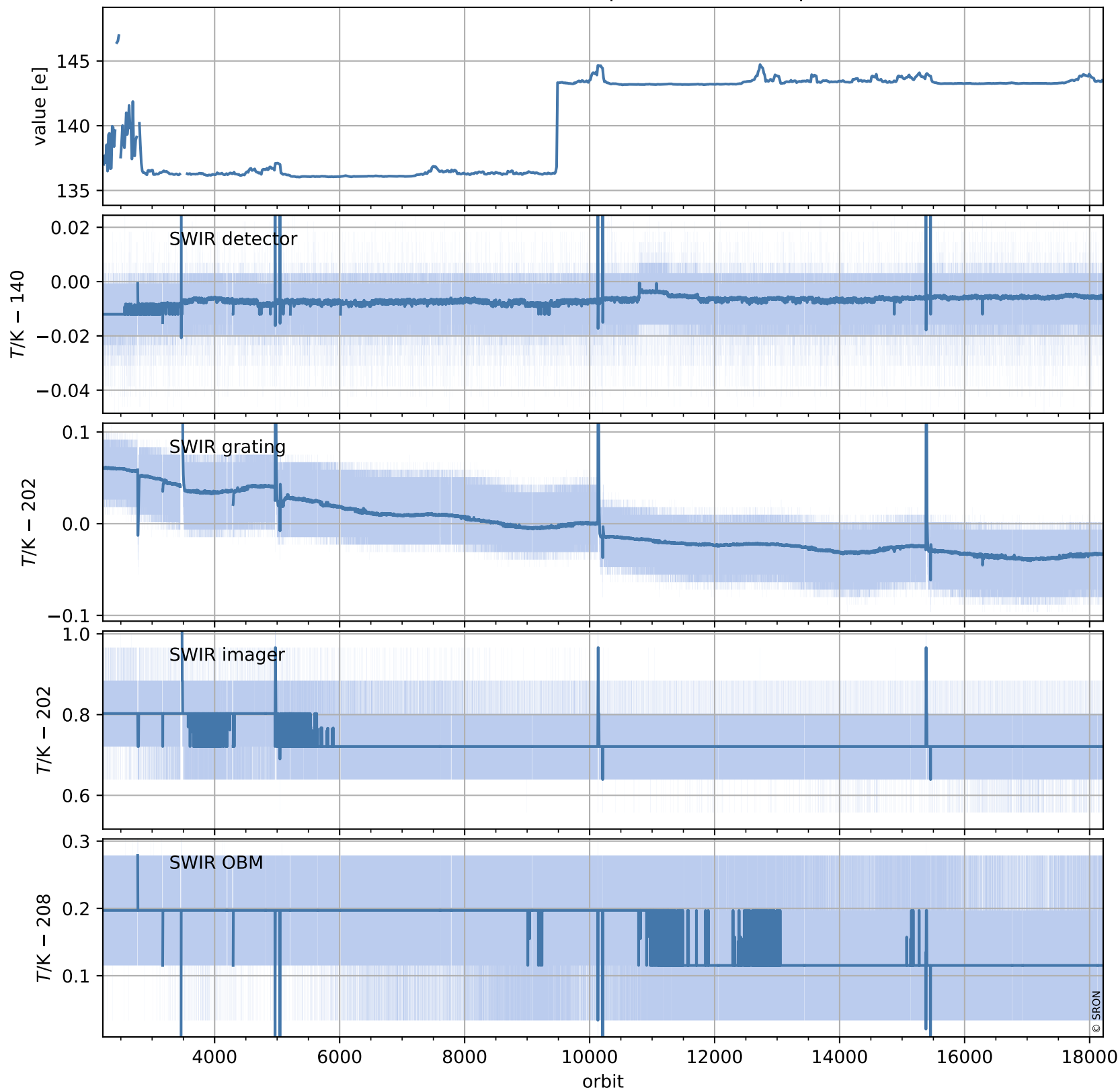
orbits : 12 in [18127, 18217]  
coverage : 2021-04-13 / 2021-04-19  
created : 2023-08-21T15:58:03



# Tropomi SWIR background noise (swir)

orbits : [2212, 18217]  
coverage : 2018-03-18 / 2021-04-19  
created : 2023-08-21T15:58:03

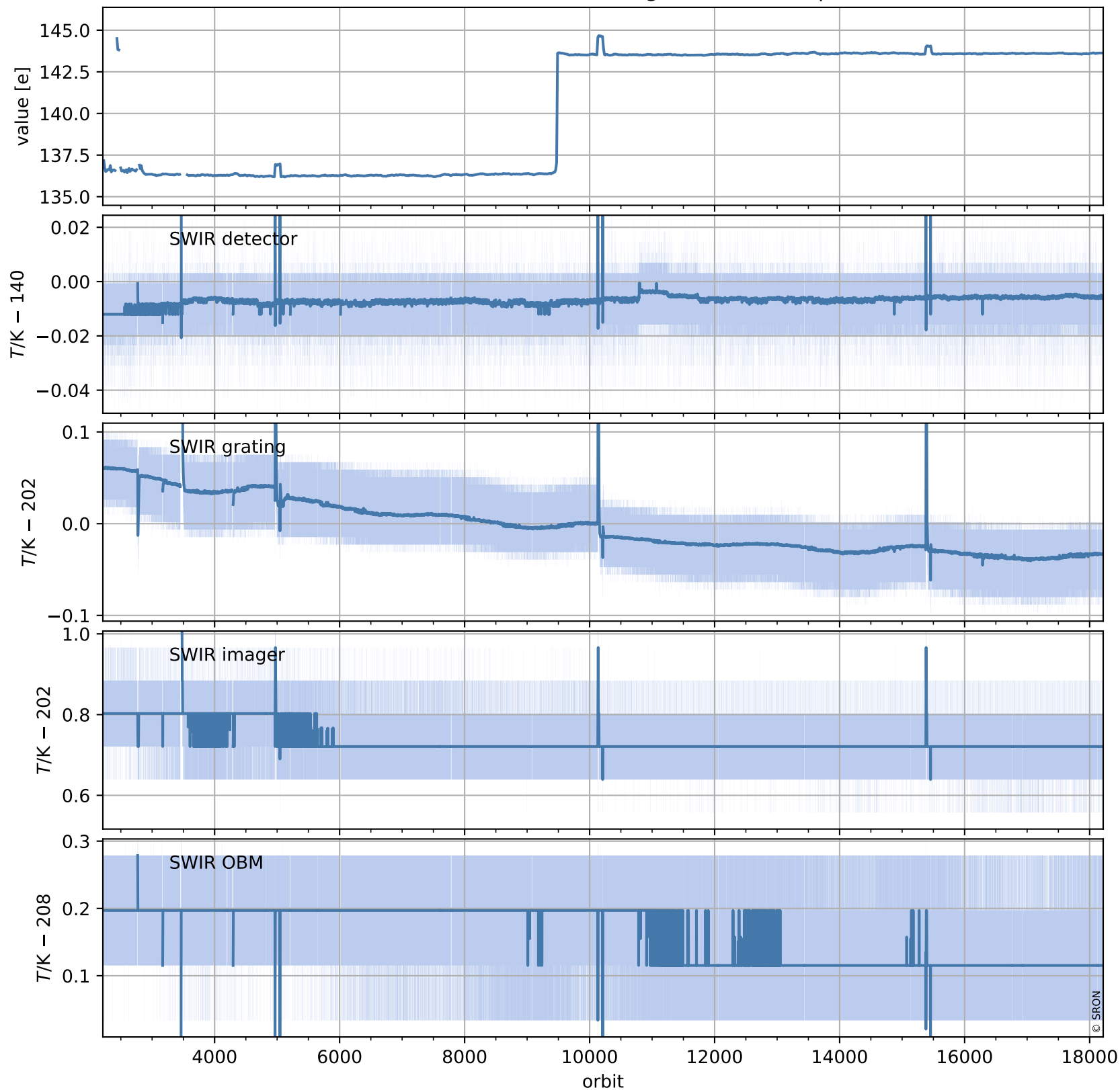
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18217]  
coverage : 2018-03-18 / 2021-04-19  
created : 2023-08-21T15:58:04

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18217]  
coverage : 2018-03-18 / 2021-04-19  
created : 2023-08-21T15:58:05

## trend of normalized read-noise & temperatures

