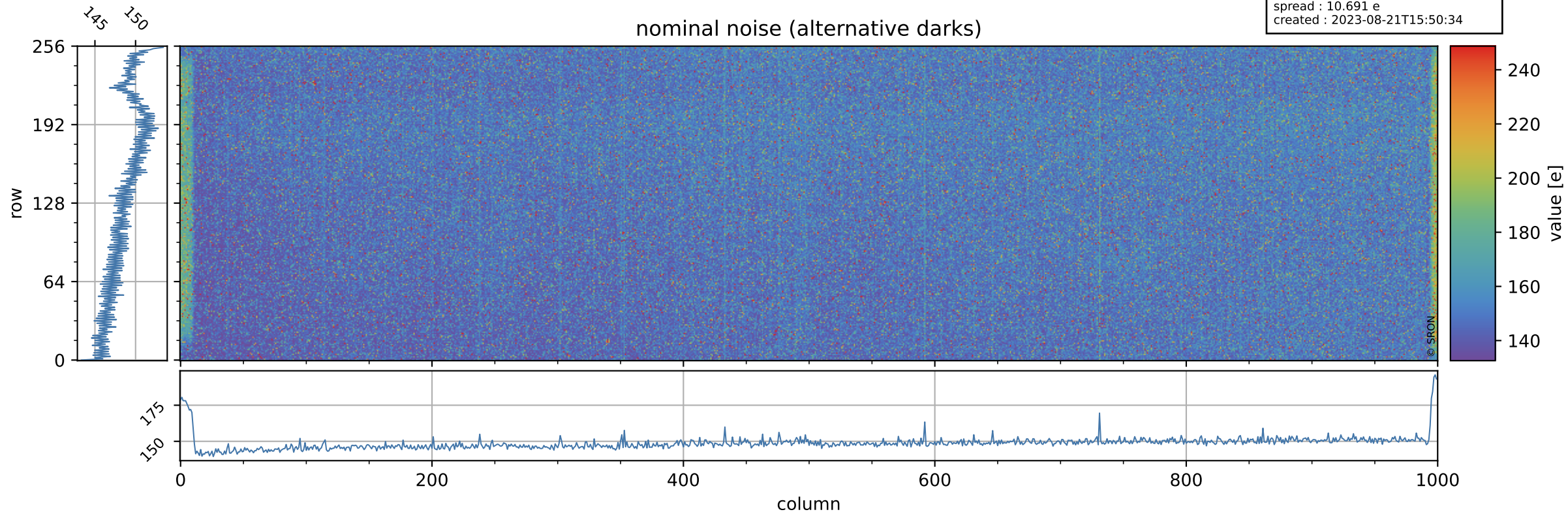


# Tropomi SWIR background noise (swir)

orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.56 e  
spread : 10.691 e  
created : 2023-08-21T15:50:34

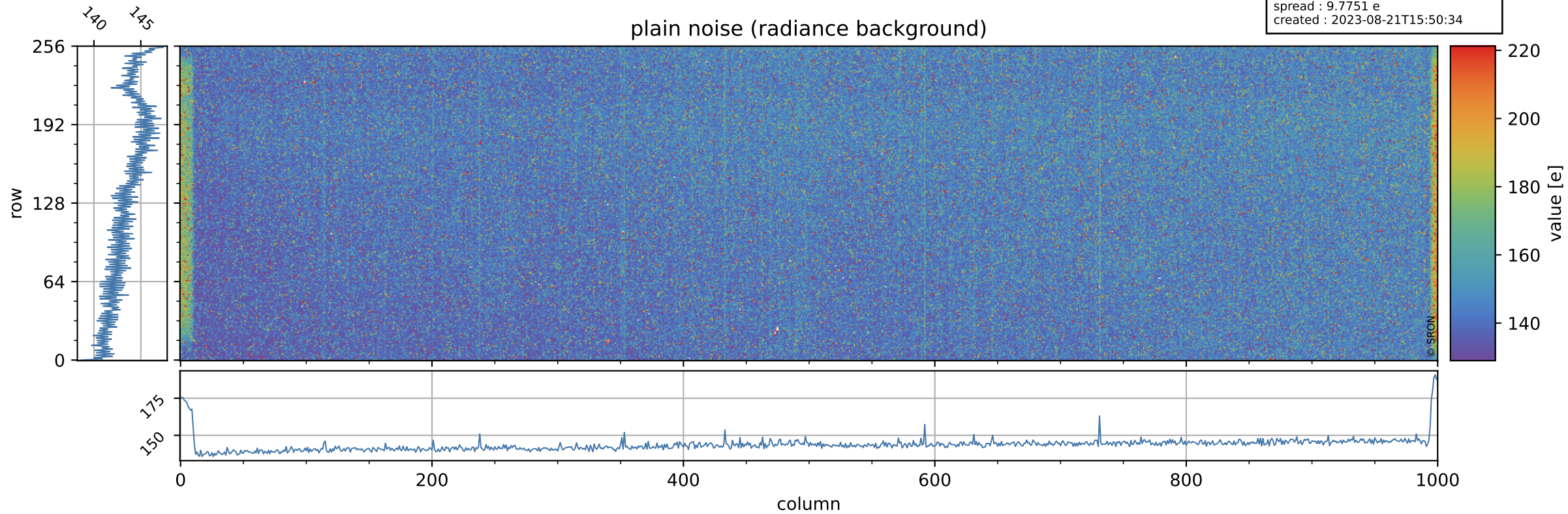
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7751 e  
created : 2023-08-21T15:50:34

## plain noise (radiance background)

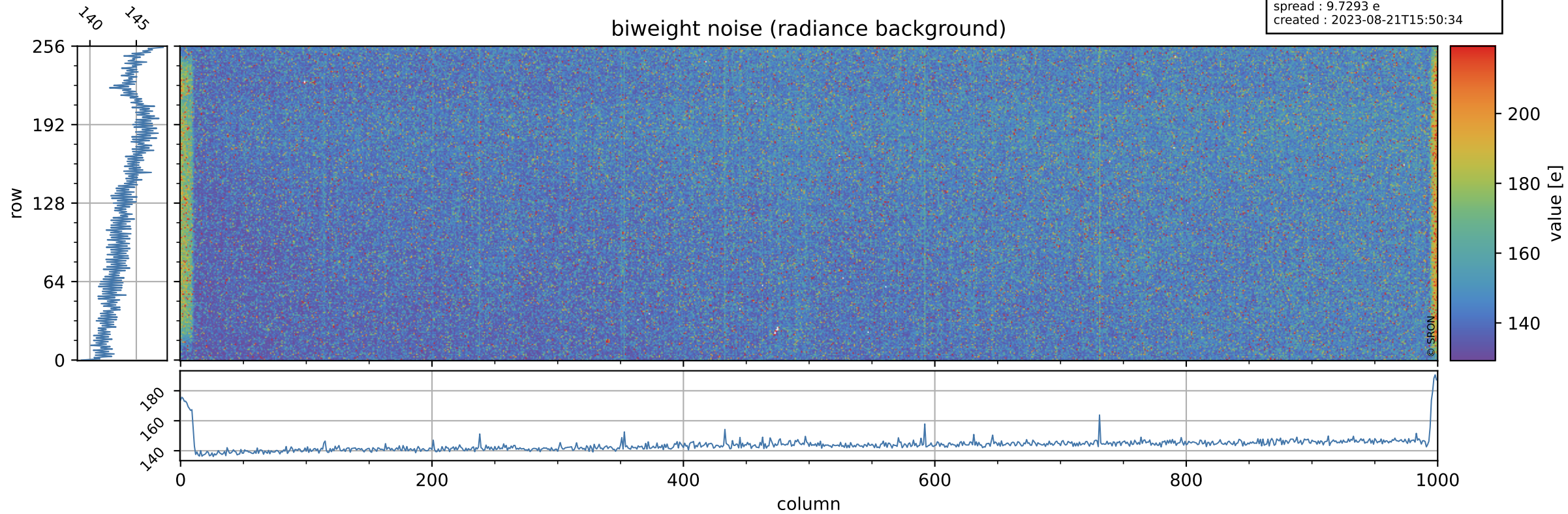




# Tropomi SWIR background noise (swir)

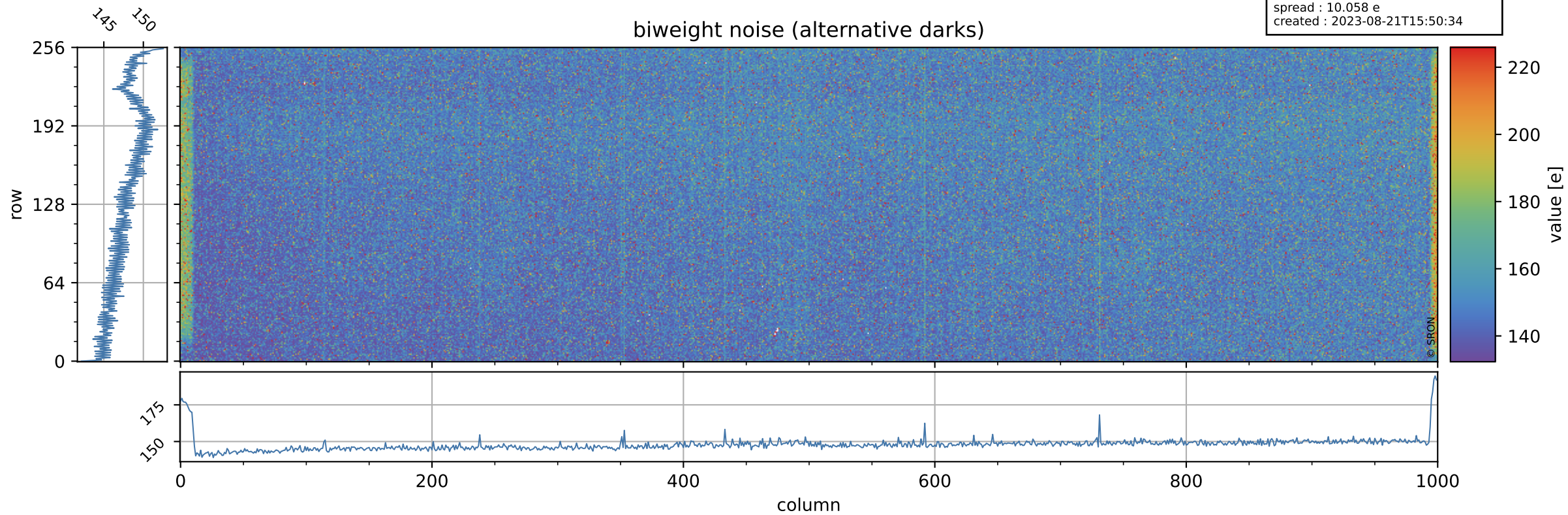
orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.7293 e  
created : 2023-08-21T15:50:34

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.058 e  
created : 2023-08-21T15:50:34

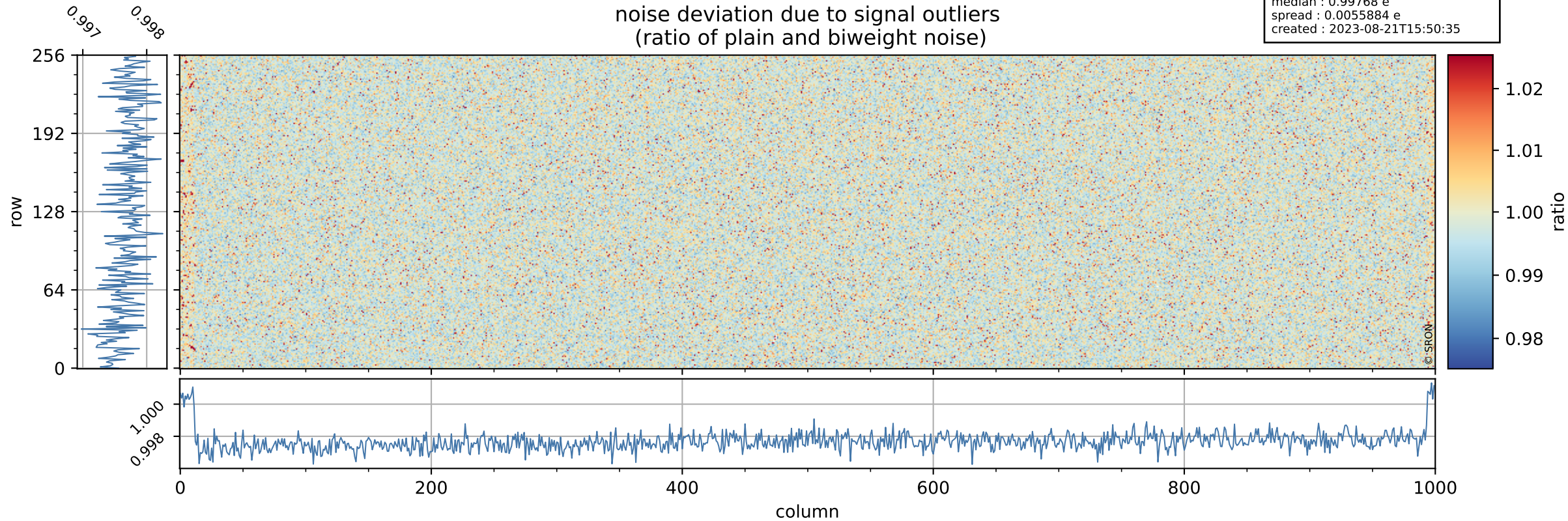




# Tropomi SWIR background noise (swir)

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

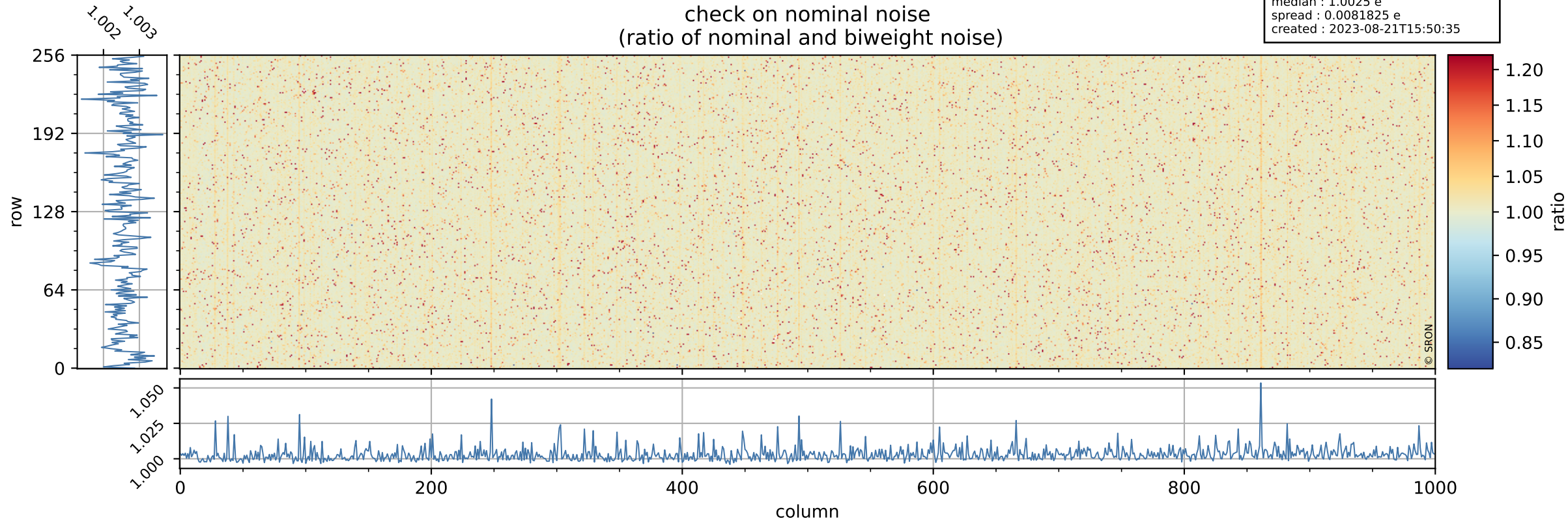
orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
median : 0.99768 e  
spread : 0.0055884 e  
created : 2023-08-21T15:50:35



# Tropomi SWIR background noise (swir)

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

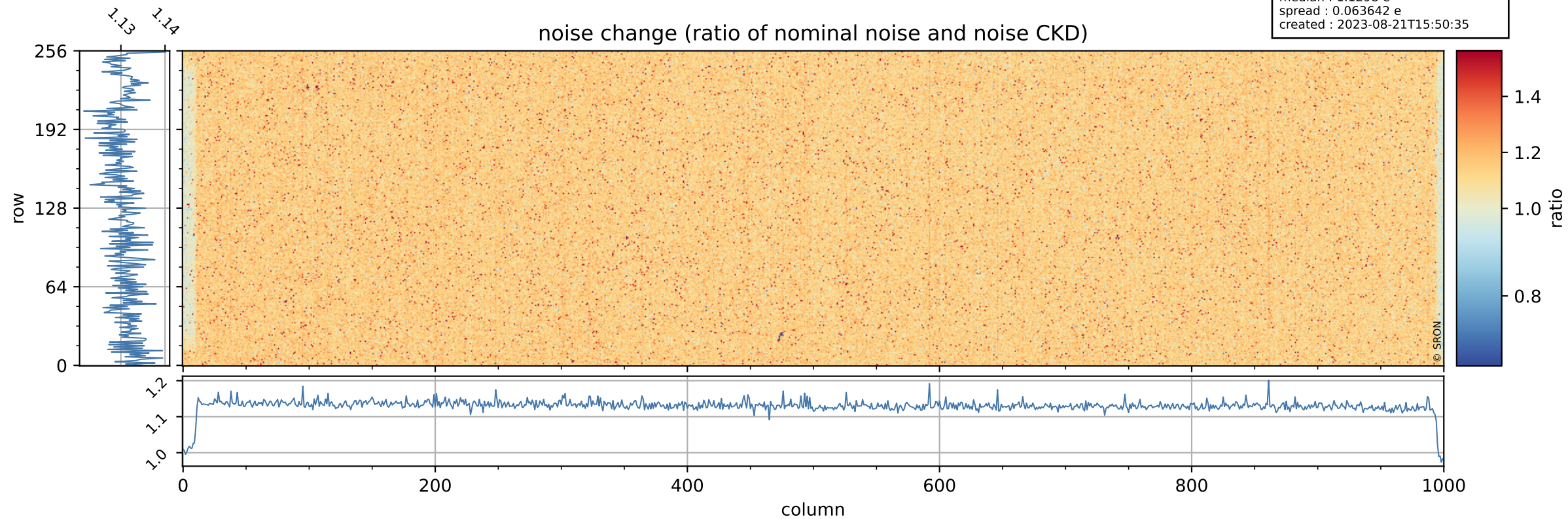
orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
median : 1.0025 e  
spread : 0.0081825 e  
created : 2023-08-21T15:50:35





# Tropomi SWIR background noise (swir)

orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
median : 1.1298 e  
spread : 0.063642 e  
created : 2023-08-21T15:50:35

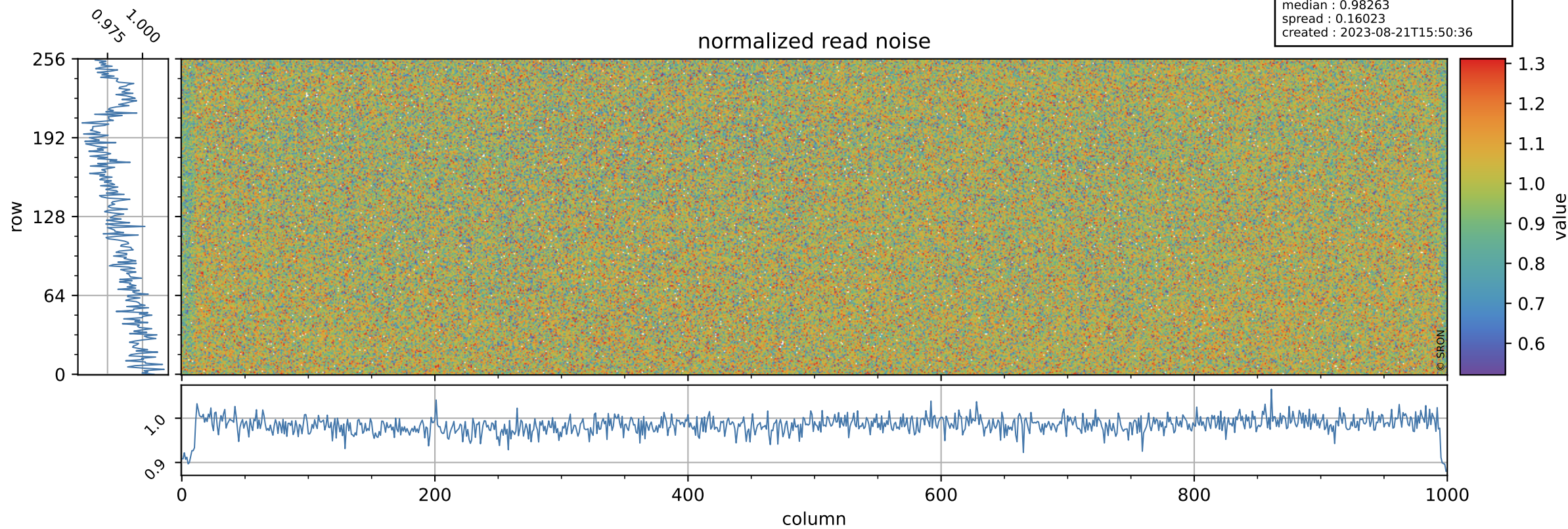




# Tropomi SWIR background noise (swir)

orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
median : 0.98263  
spread : 0.16023  
created : 2023-08-21T15:50:36

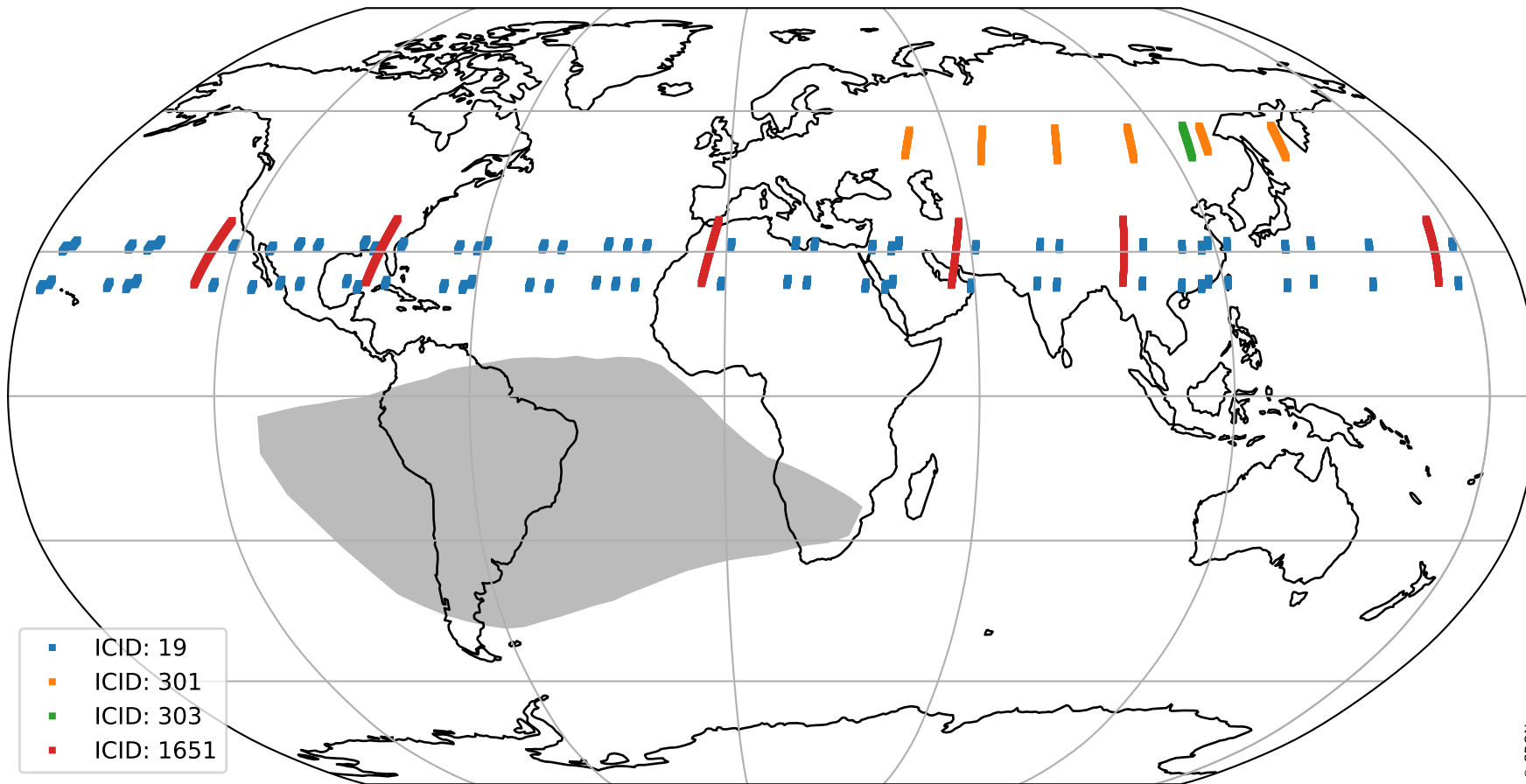
normalized read noise





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

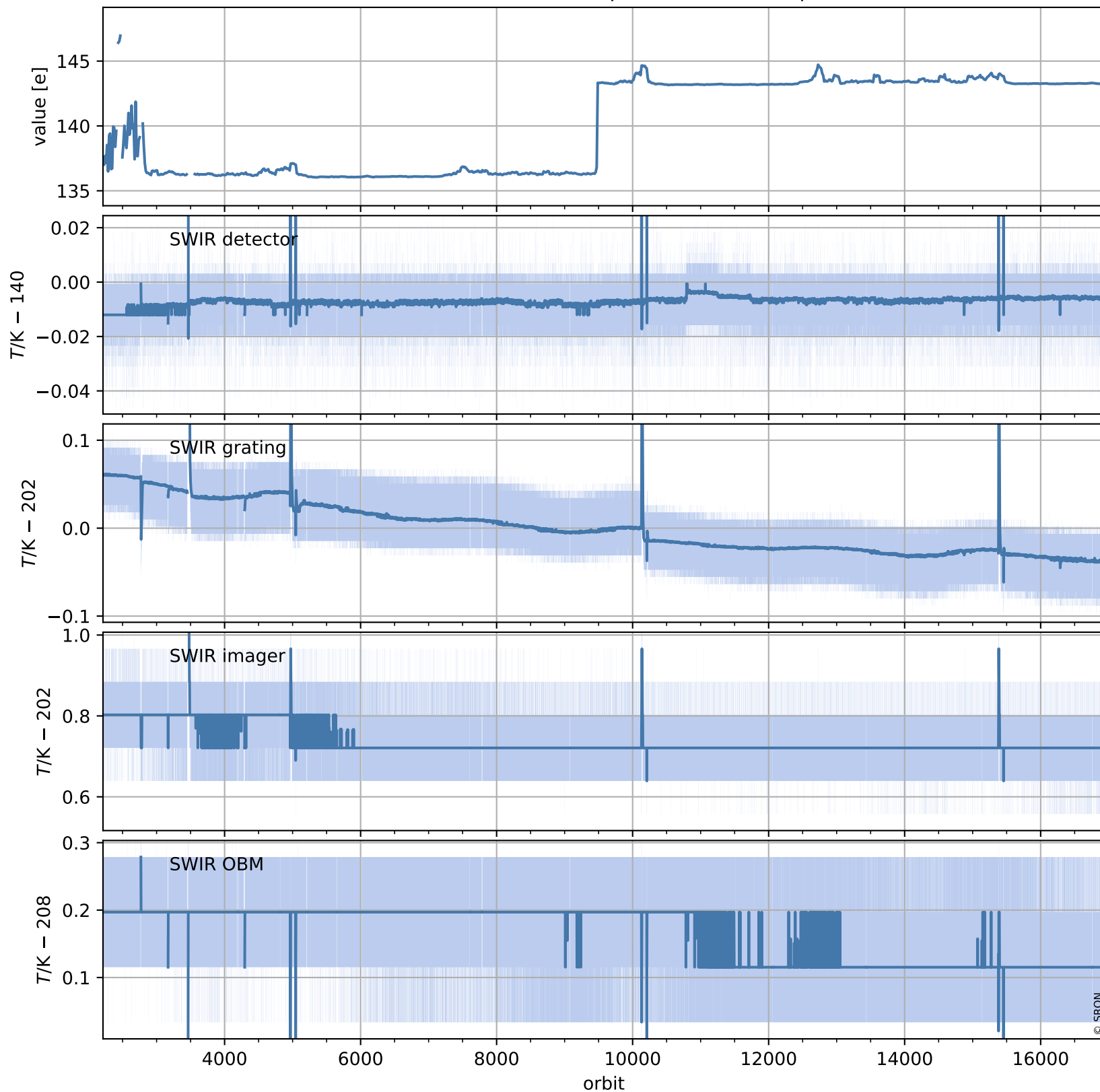
orbits : 13 in [16867, 16942]  
coverage : 2021-01-13 / 2021-01-18  
created : 2023-08-21T15:50:36



# Tropomi SWIR background noise (swir)

orbits : [2212, 16942]  
coverage : 2018-03-18 / 2021-01-18  
created : 2023-08-21T15:50:36

## trend of detector median of plain noise & temperatures

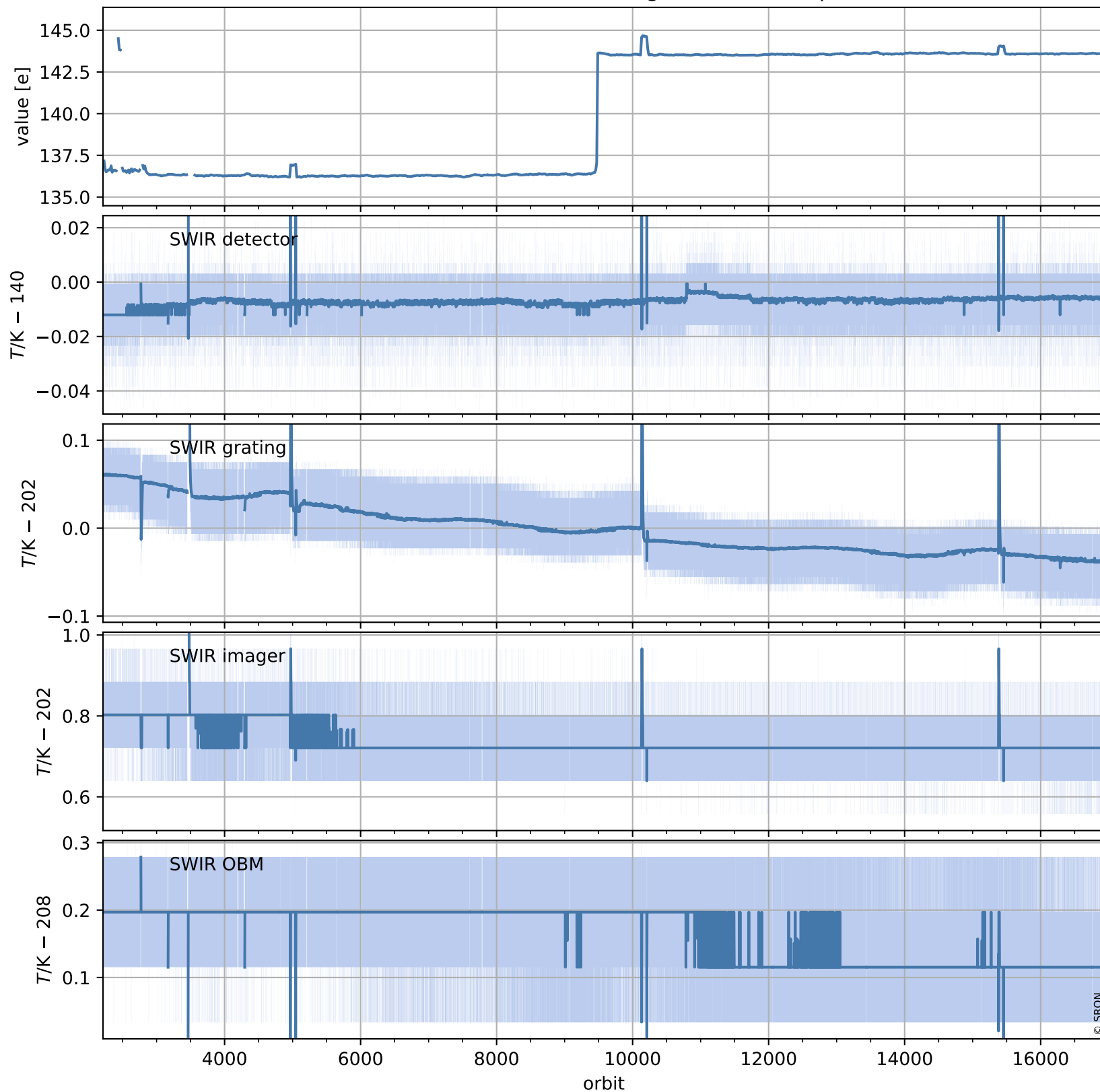




# Tropomi SWIR background noise (swir)

orbits : [2212, 16942]  
coverage : 2018-03-18 / 2021-01-18  
created : 2023-08-21T15:50:37

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16942]  
coverage : 2018-03-18 / 2021-01-18  
created : 2023-08-21T15:50:38

## trend of normalized read-noise & temperatures

