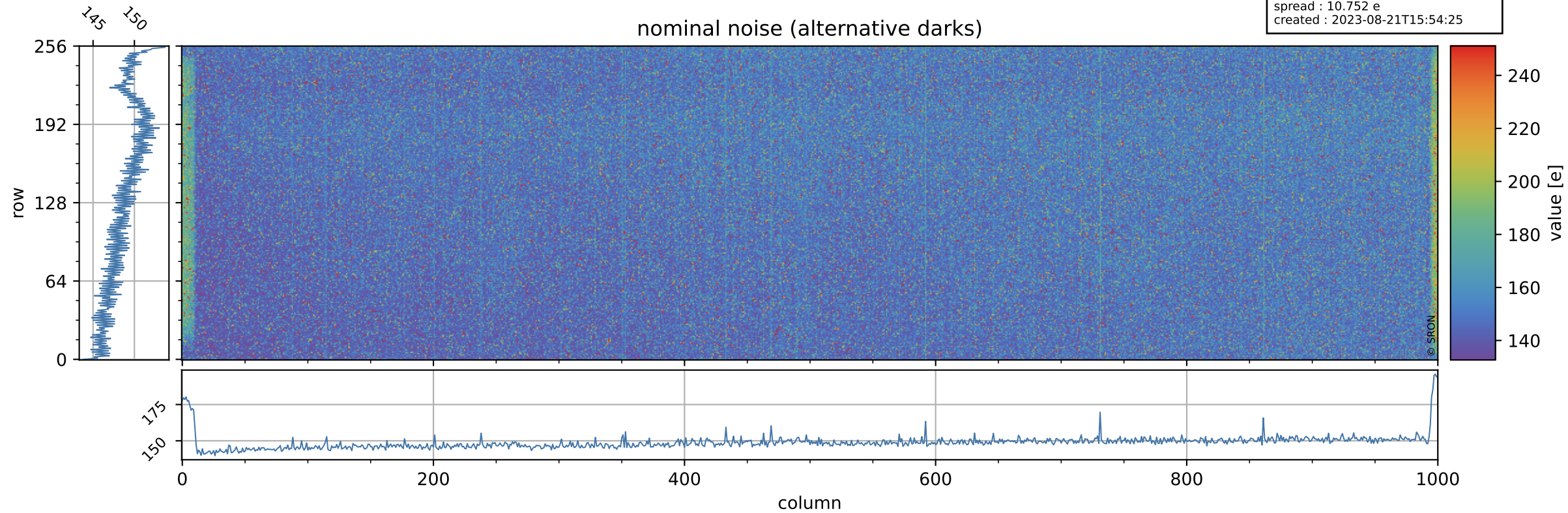


# Tropomi SWIR background noise (swir)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.752 e  
created : 2023-08-21T15:54:25

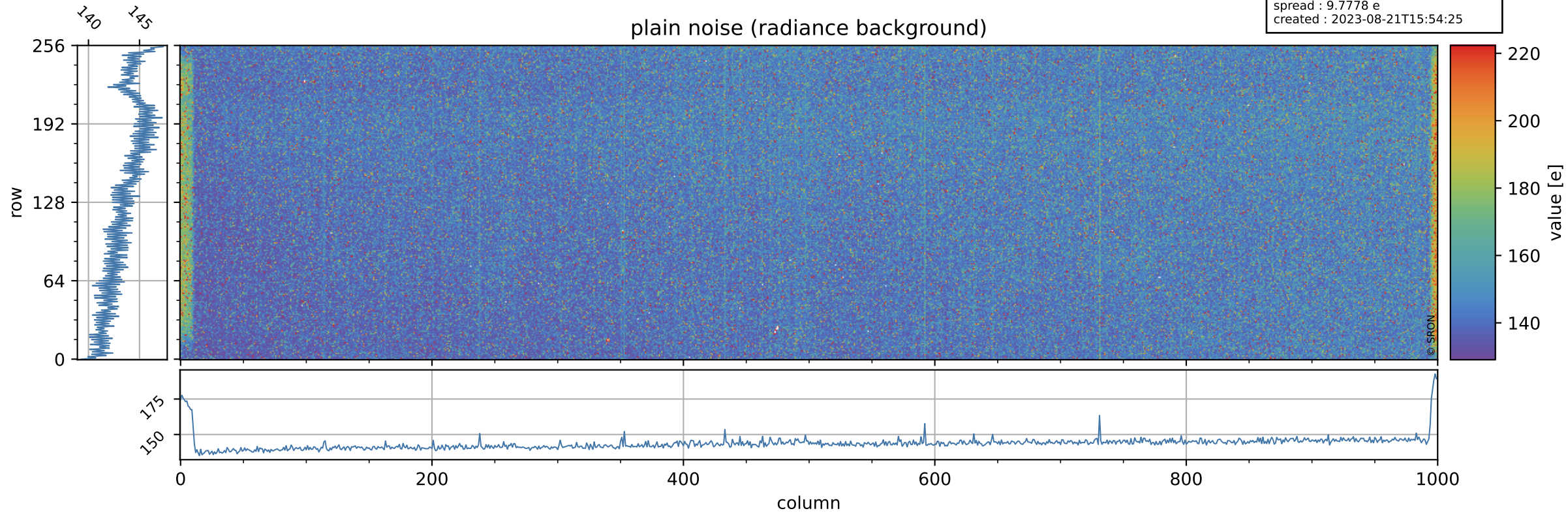
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
n\_coad, t\_exp : 1, 0.8383  
median : 143.47 e  
spread : 9.7778 e  
created : 2023-08-21T15:54:25

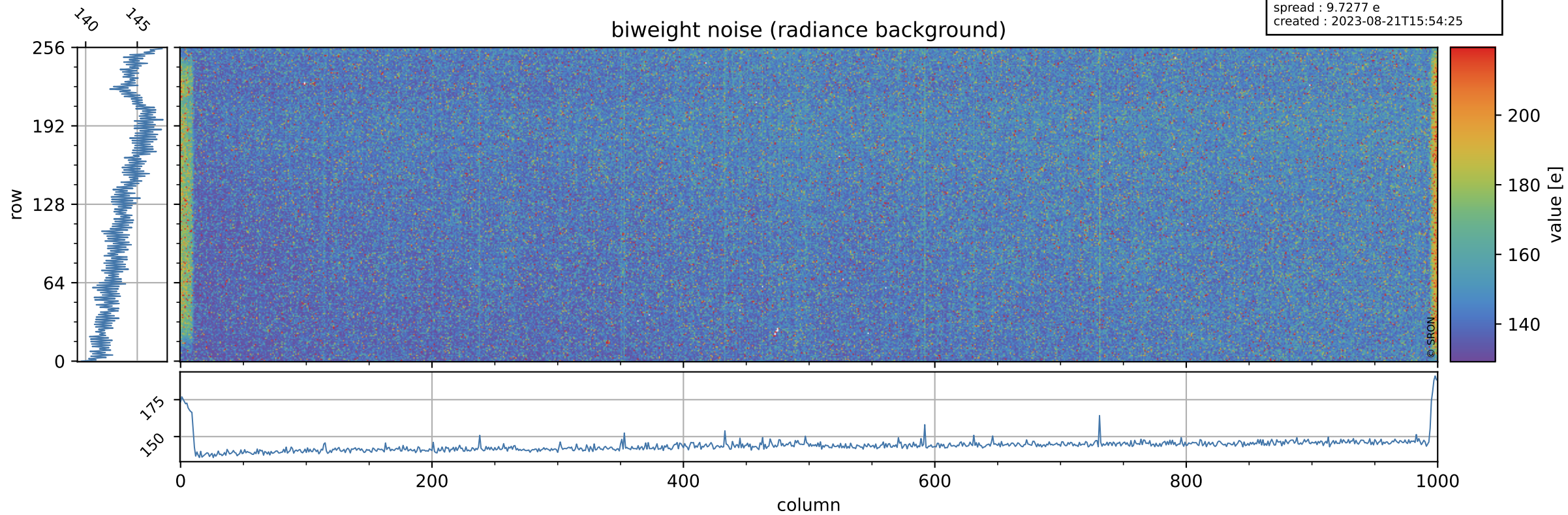
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.7277 e  
created : 2023-08-21T15:54:25

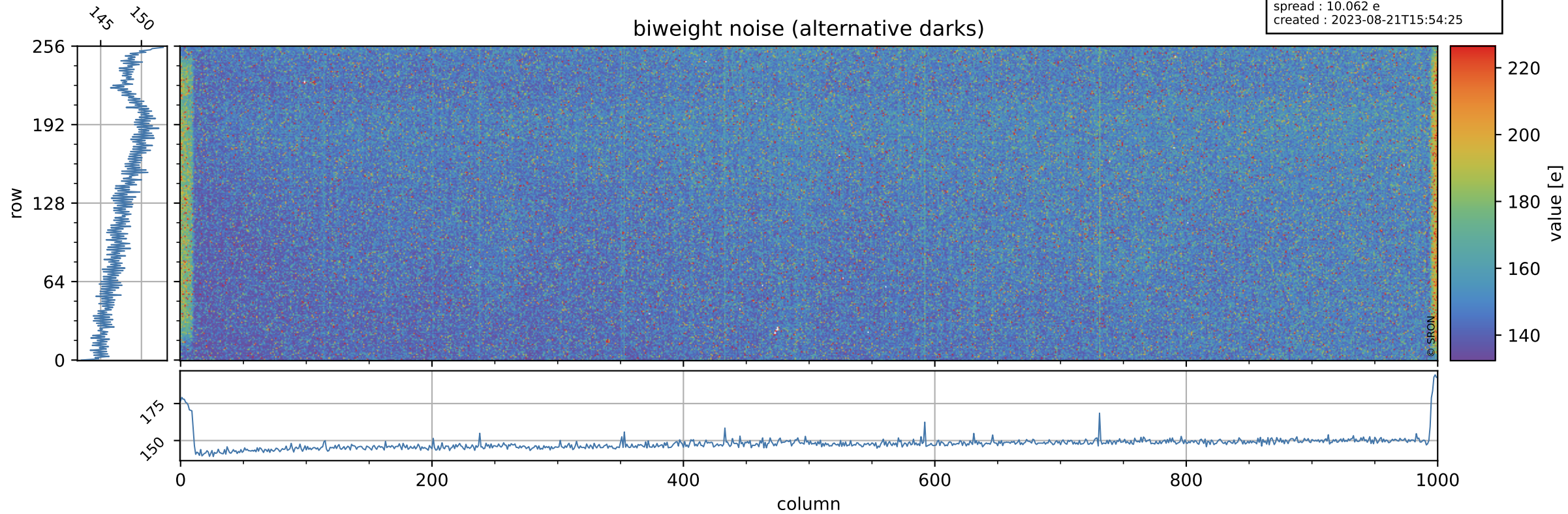
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.062 e  
created : 2023-08-21T15:54:25

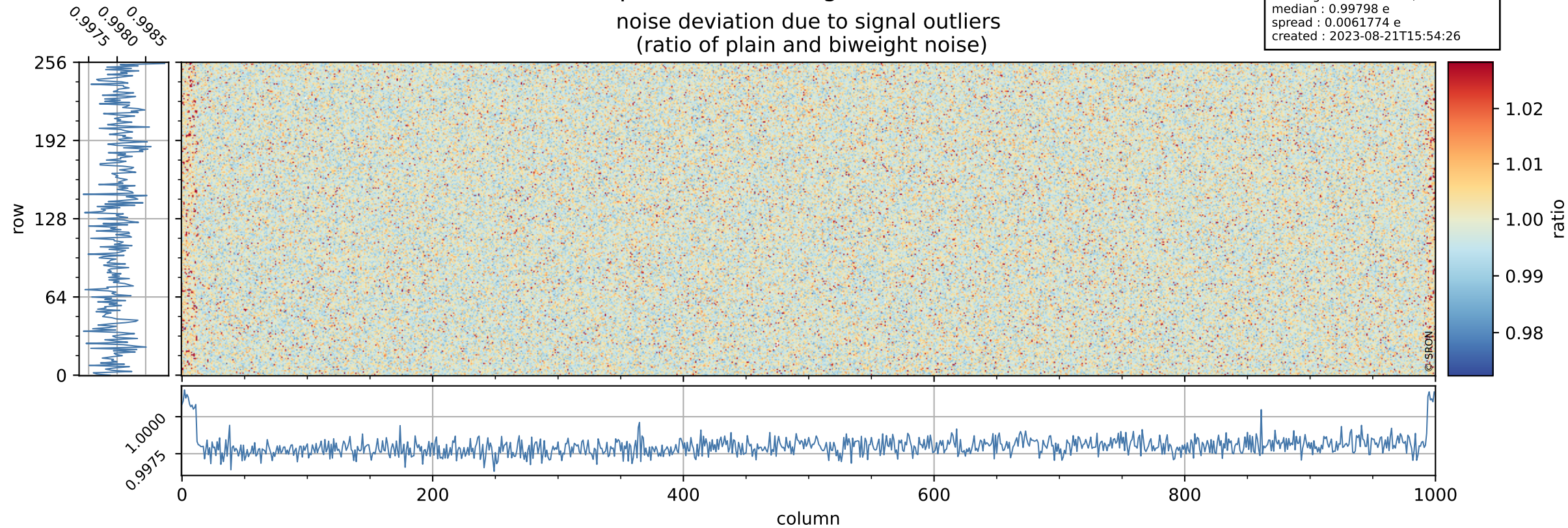
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

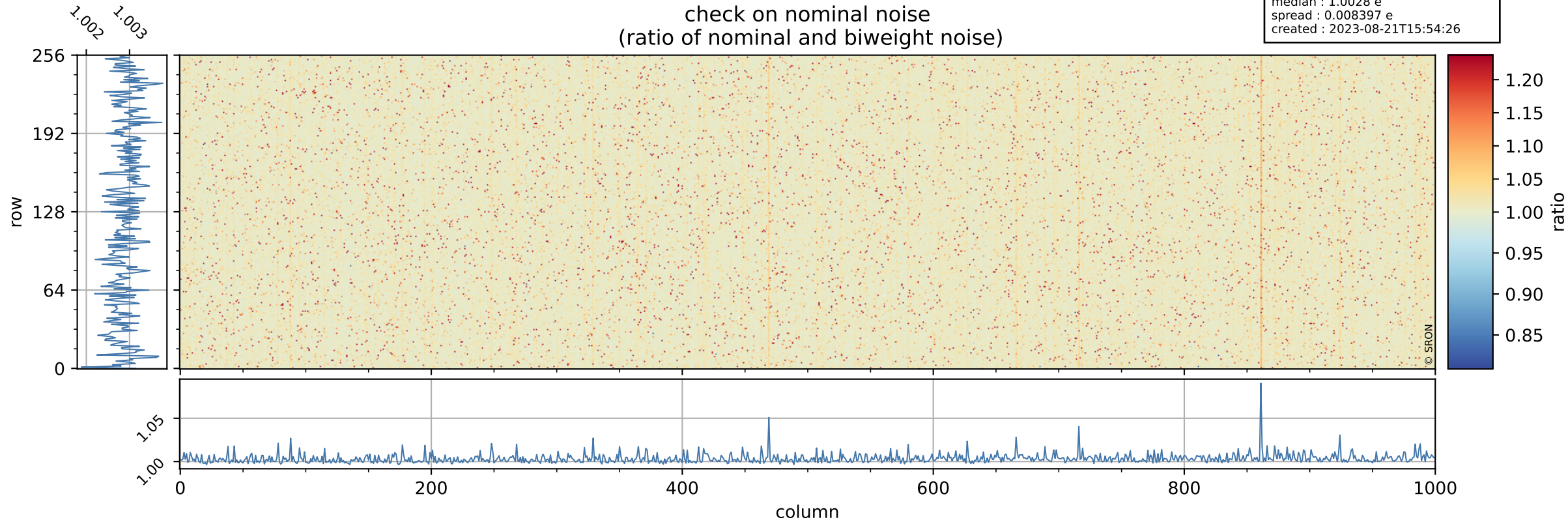
orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
median : 0.99798 e  
spread : 0.0061774 e  
created : 2023-08-21T15:54:26



# Tropomi SWIR background noise (swir)

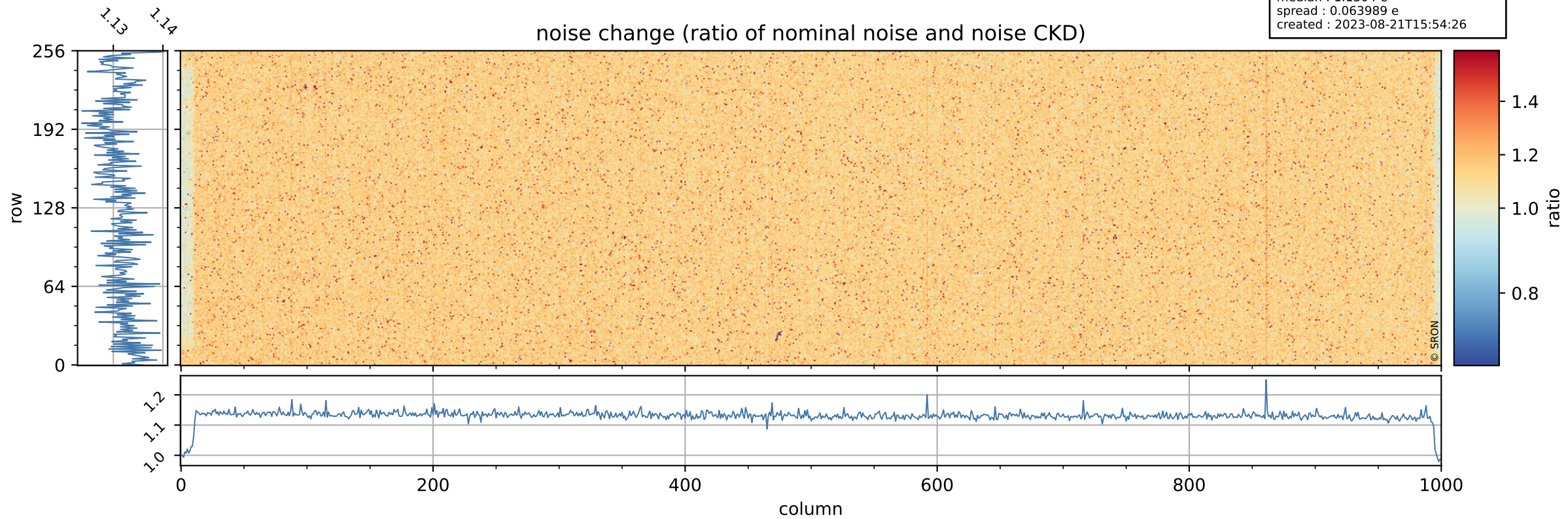
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
median : 1.0028 e  
spread : 0.008397 e  
created : 2023-08-21T15:54:26



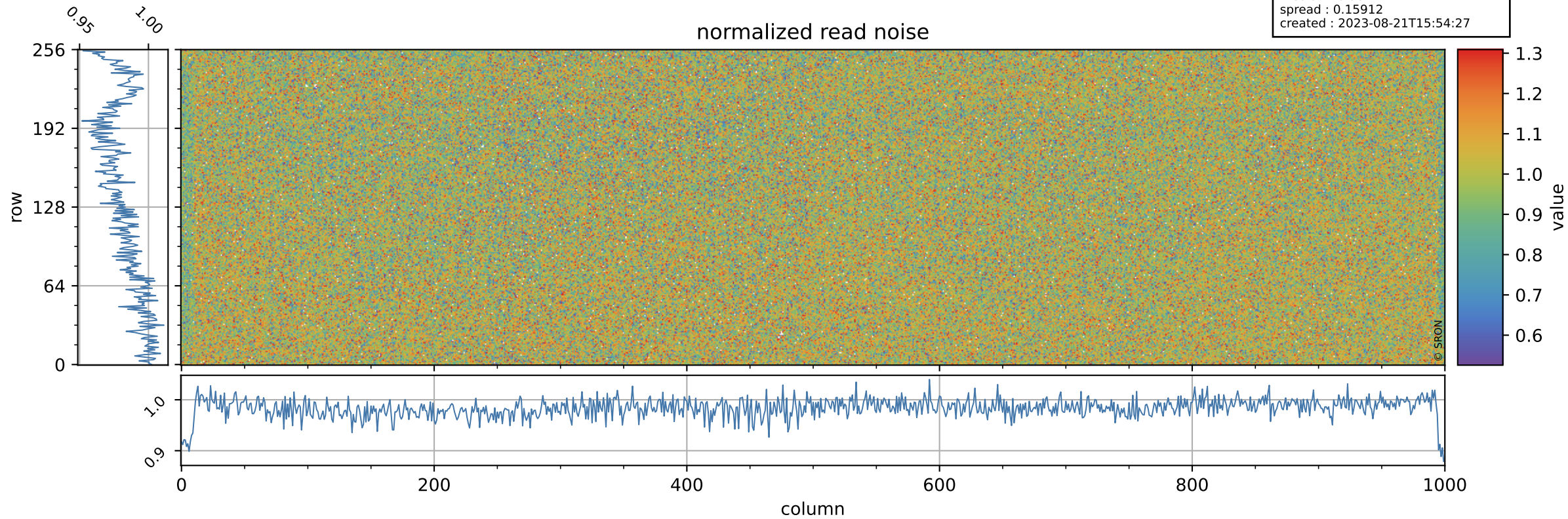
# Tropomi SWIR background noise (swir)

orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
median : 1.1304 e  
spread : 0.063989 e  
created : 2023-08-21T15:54:26



# Tropomi SWIR background noise (swir)

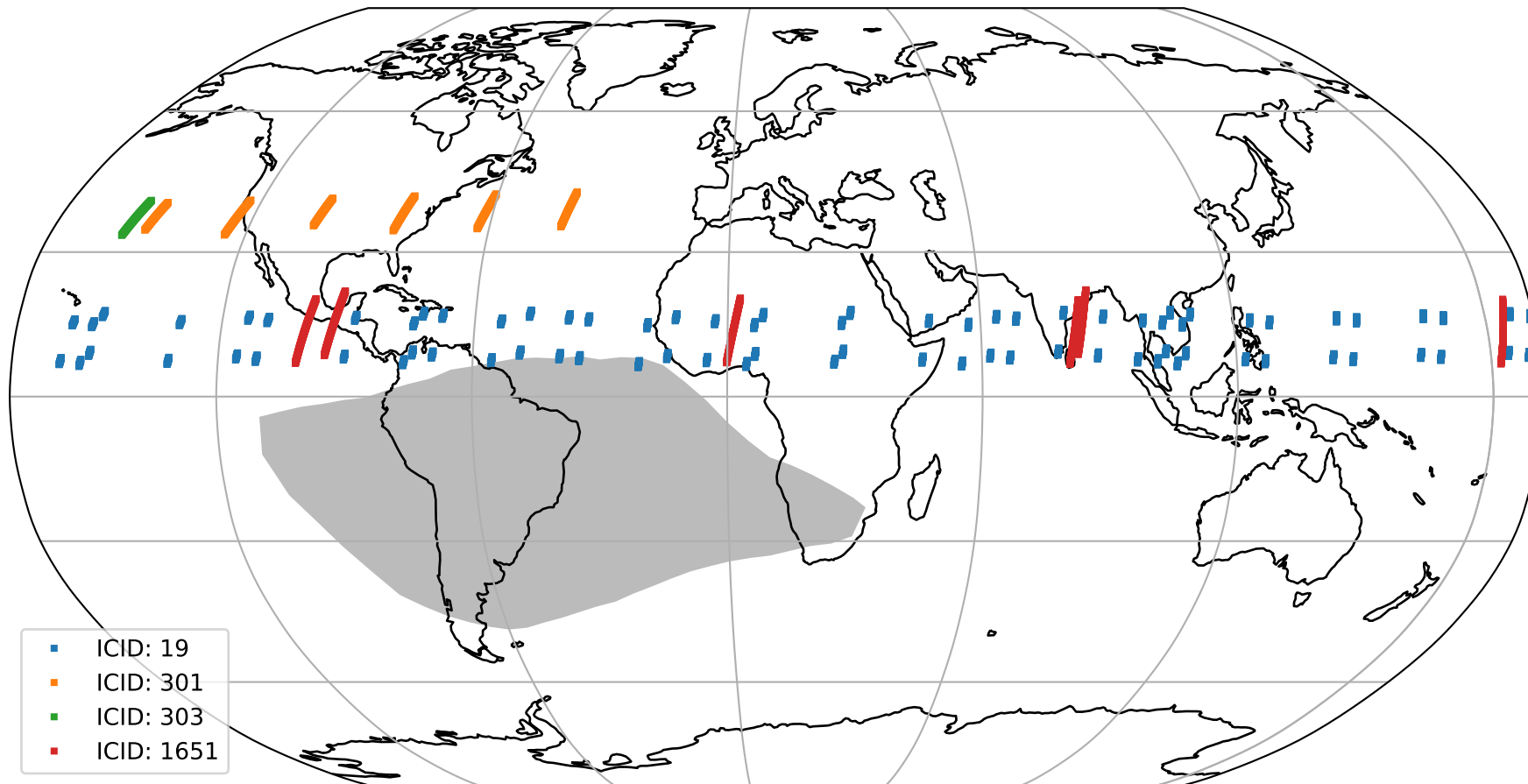
orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
median : 0.9822  
spread : 0.15912  
created : 2023-08-21T15:54:27





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

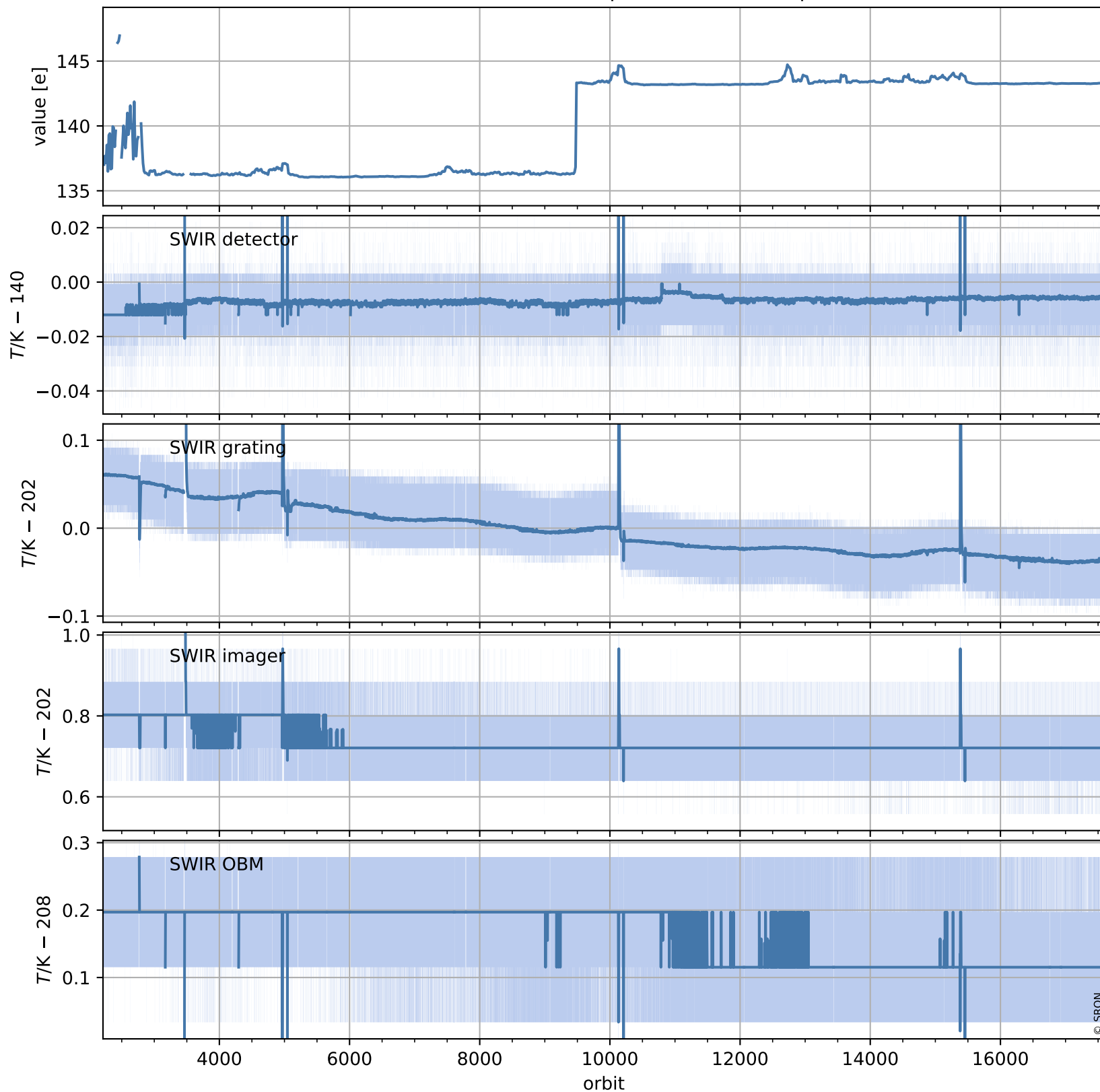
orbits : 13 in [17512, 17602]  
coverage : 2021-03-01 / 2021-03-06  
created : 2023-08-21T15:54:27



# Tropomi SWIR background noise (swir)

orbits : [2212, 17602]  
coverage : 2018-03-18 / 2021-03-06  
created : 2023-08-21T15:54:27

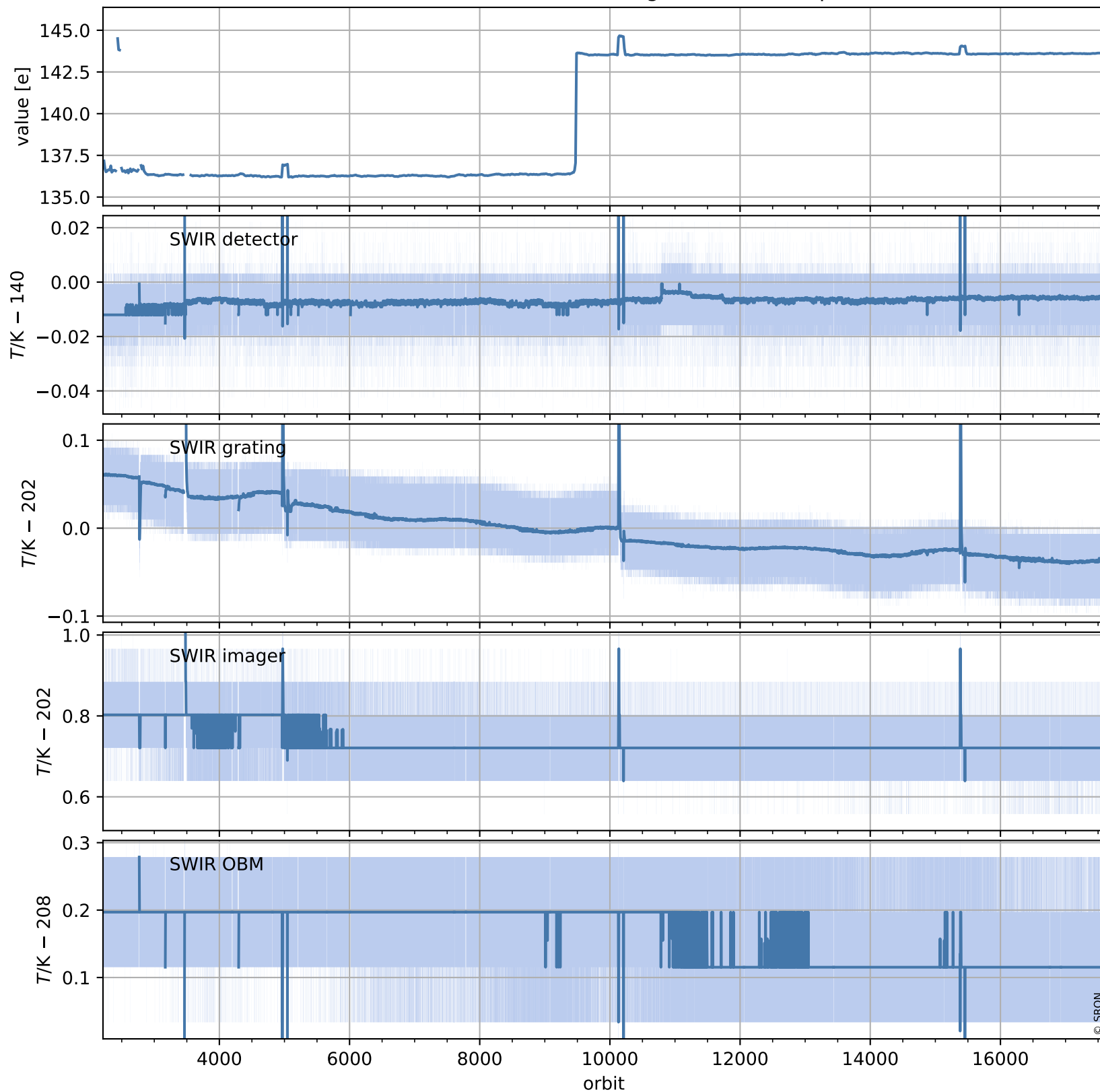
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17602]  
coverage : 2018-03-18 / 2021-03-06  
created : 2023-08-21T15:54:28

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17602]  
coverage : 2018-03-18 / 2021-03-06  
created : 2023-08-21T15:54:29

## trend of normalized read-noise & temperatures

