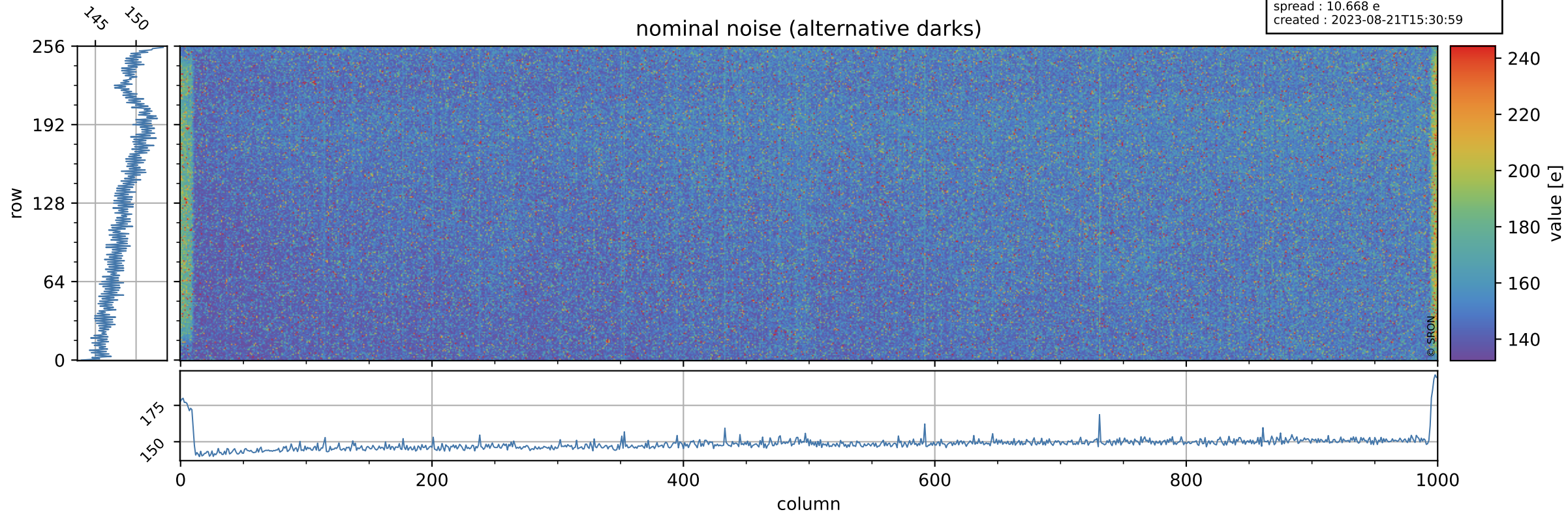


# Tropomi SWIR background noise (swir)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.668 e  
created : 2023-08-21T15:30:59

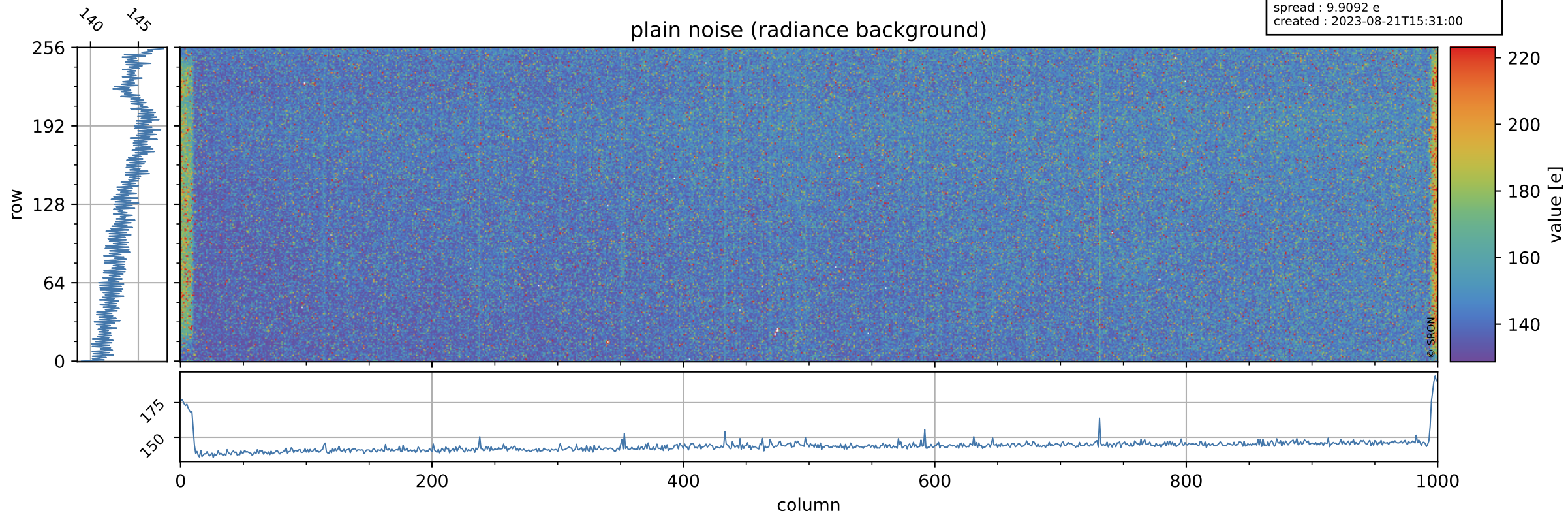
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.57 e  
spread : 9.9092 e  
created : 2023-08-21T15:31:00

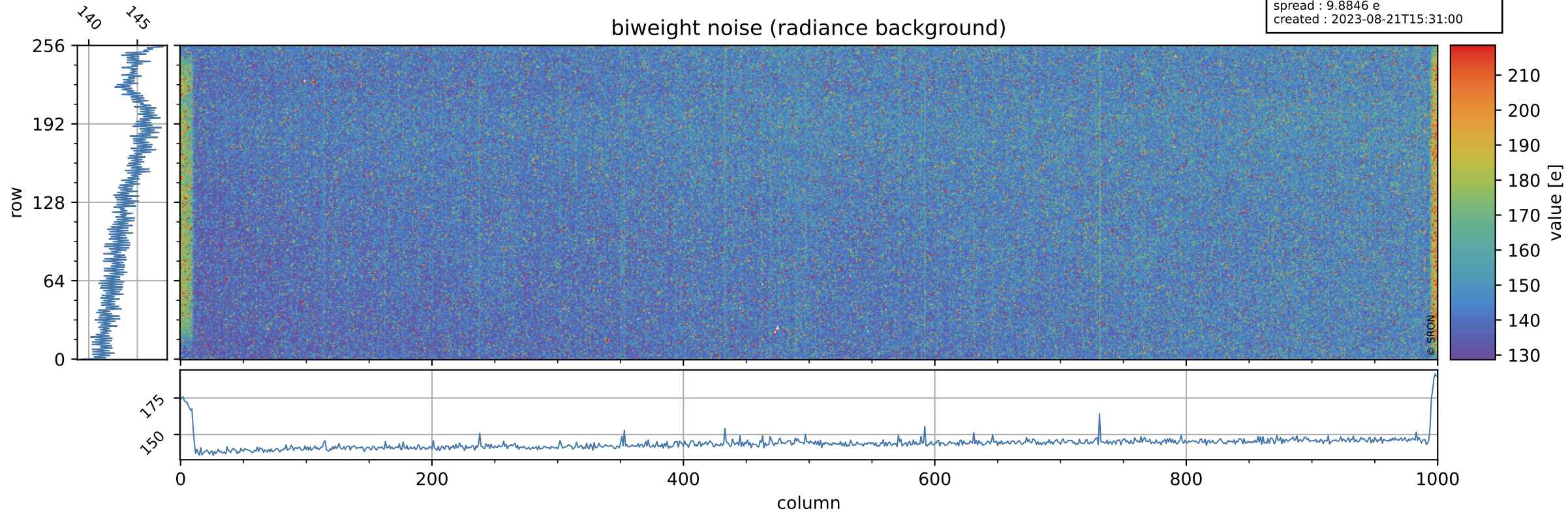
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8846 e  
created : 2023-08-21T15:31:00

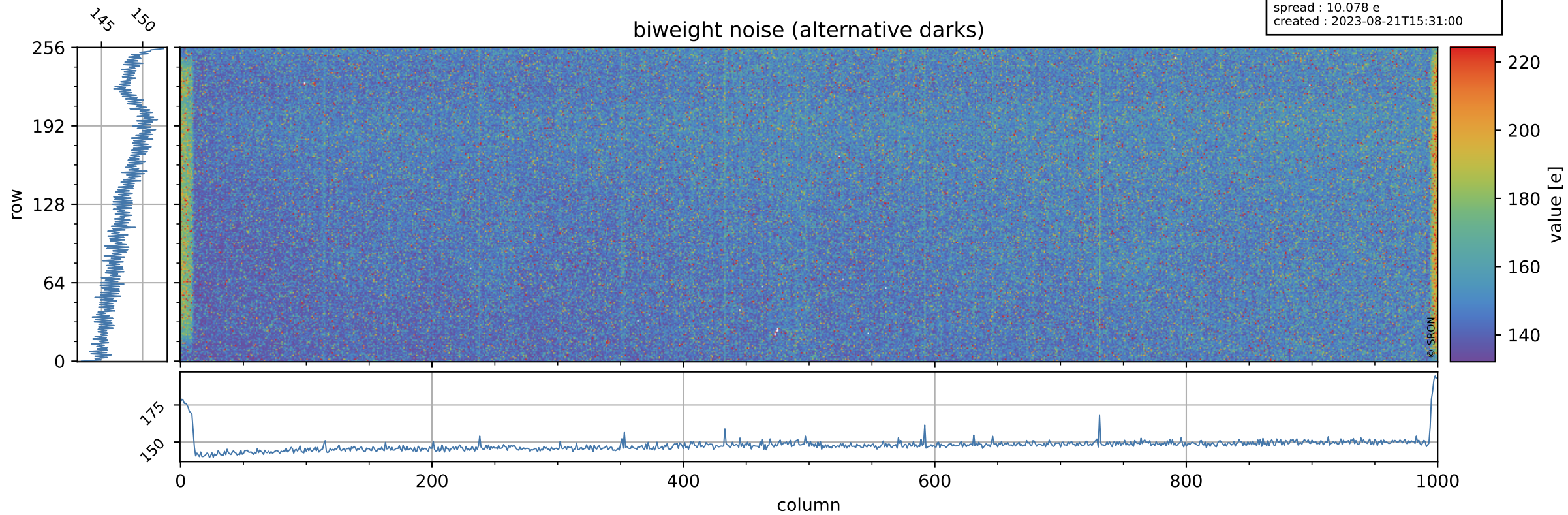
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.078 e  
created : 2023-08-21T15:31:00

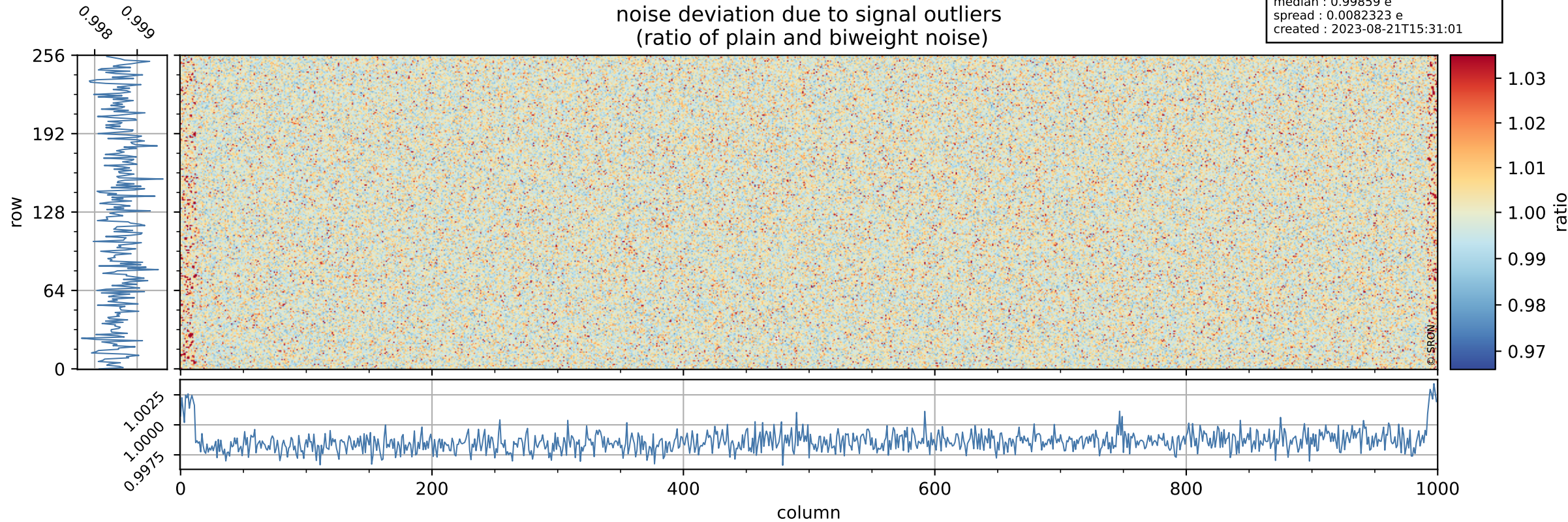
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

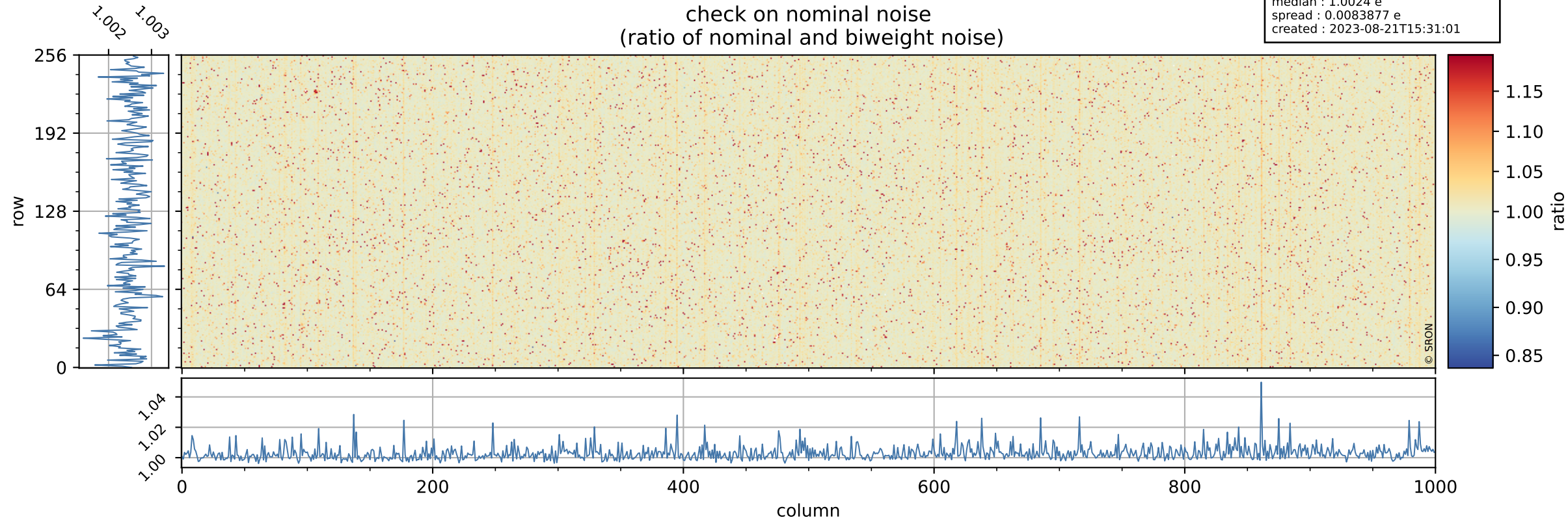
orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
median : 0.99859 e  
spread : 0.0082323 e  
created : 2023-08-21T15:31:01



# Tropomi SWIR background noise (swir)

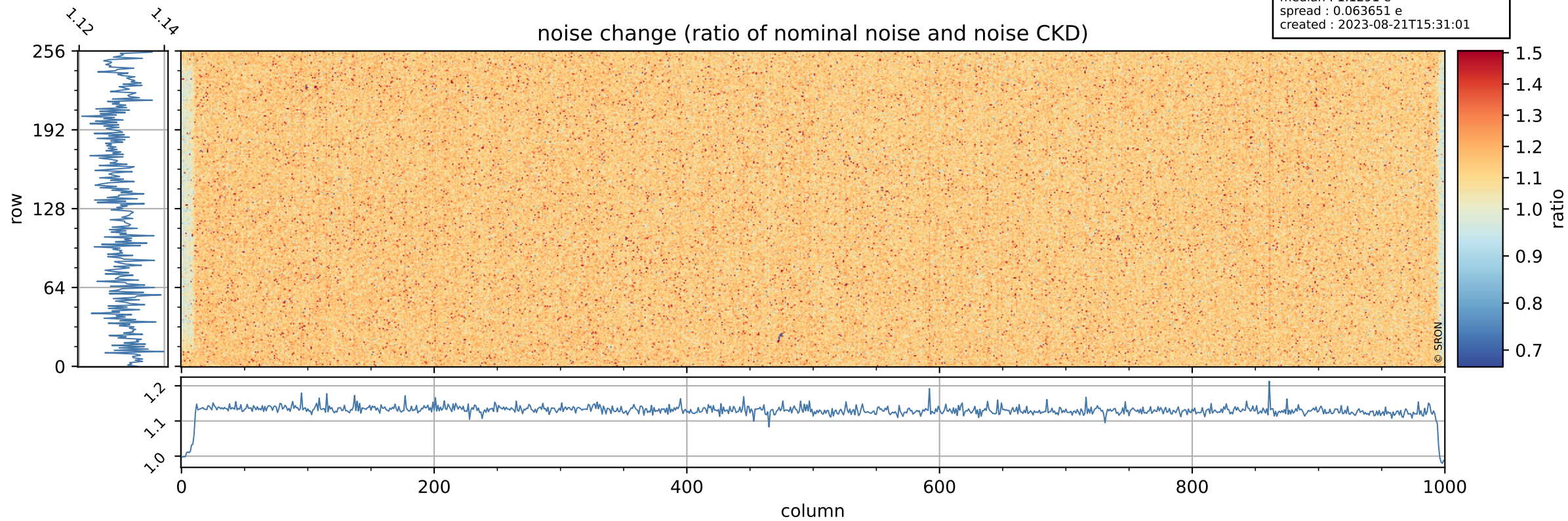
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
median : 1.0024 e  
spread : 0.0083877 e  
created : 2023-08-21T15:31:01



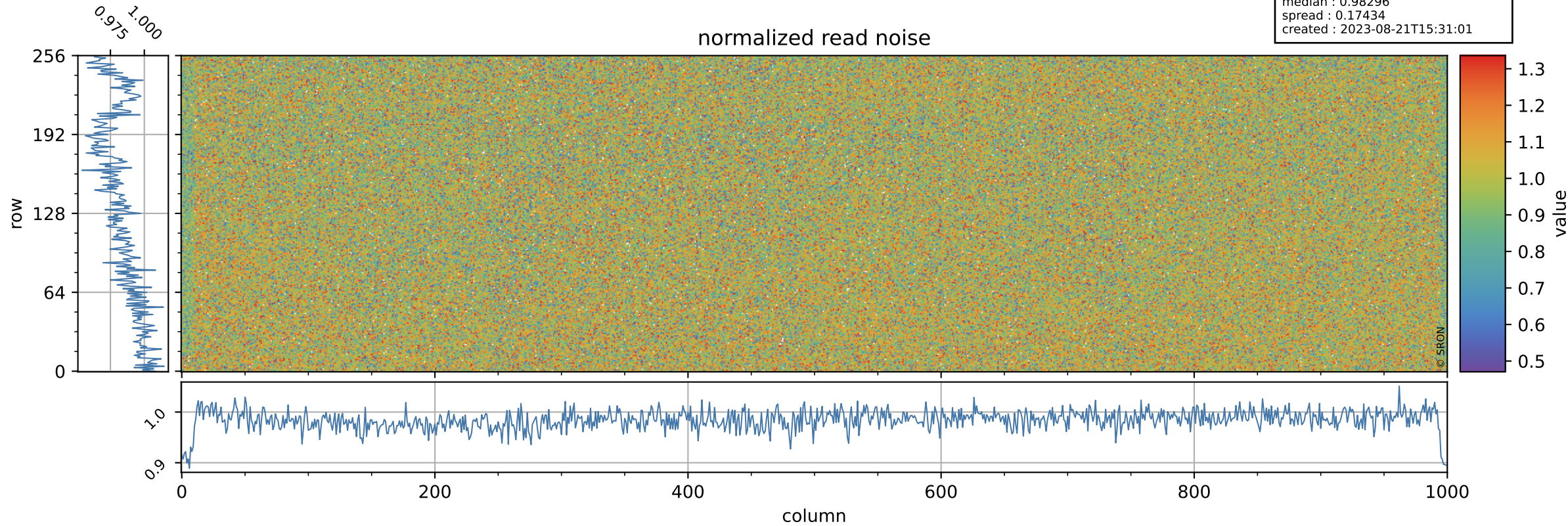
# Tropomi SWIR background noise (swir)

orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
median : 1.1291 e  
spread : 0.063651 e  
created : 2023-08-21T15:31:01



# Tropomi SWIR background noise (swir)

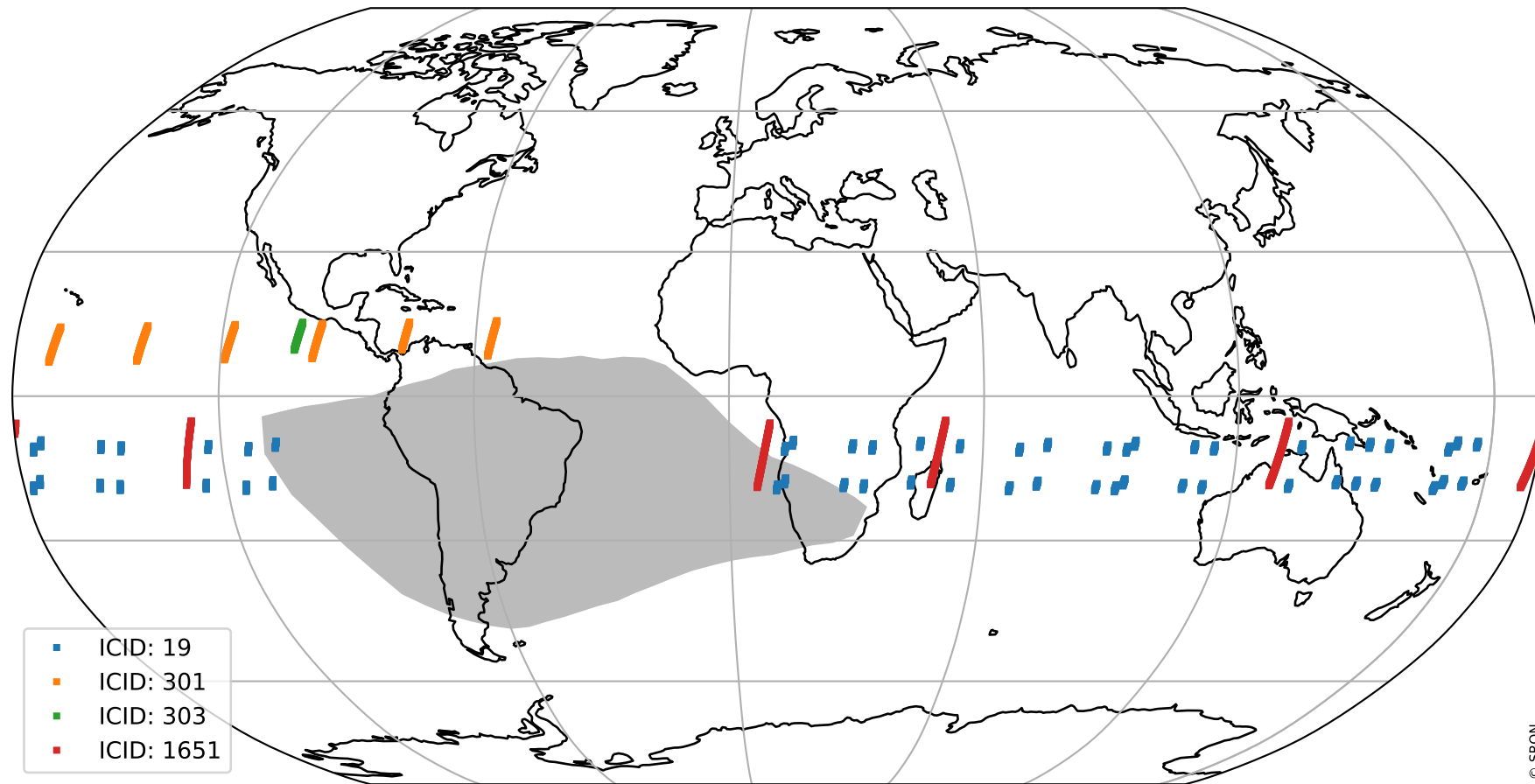
orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
median : 0.98296  
spread : 0.17434  
created : 2023-08-21T15:31:01





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

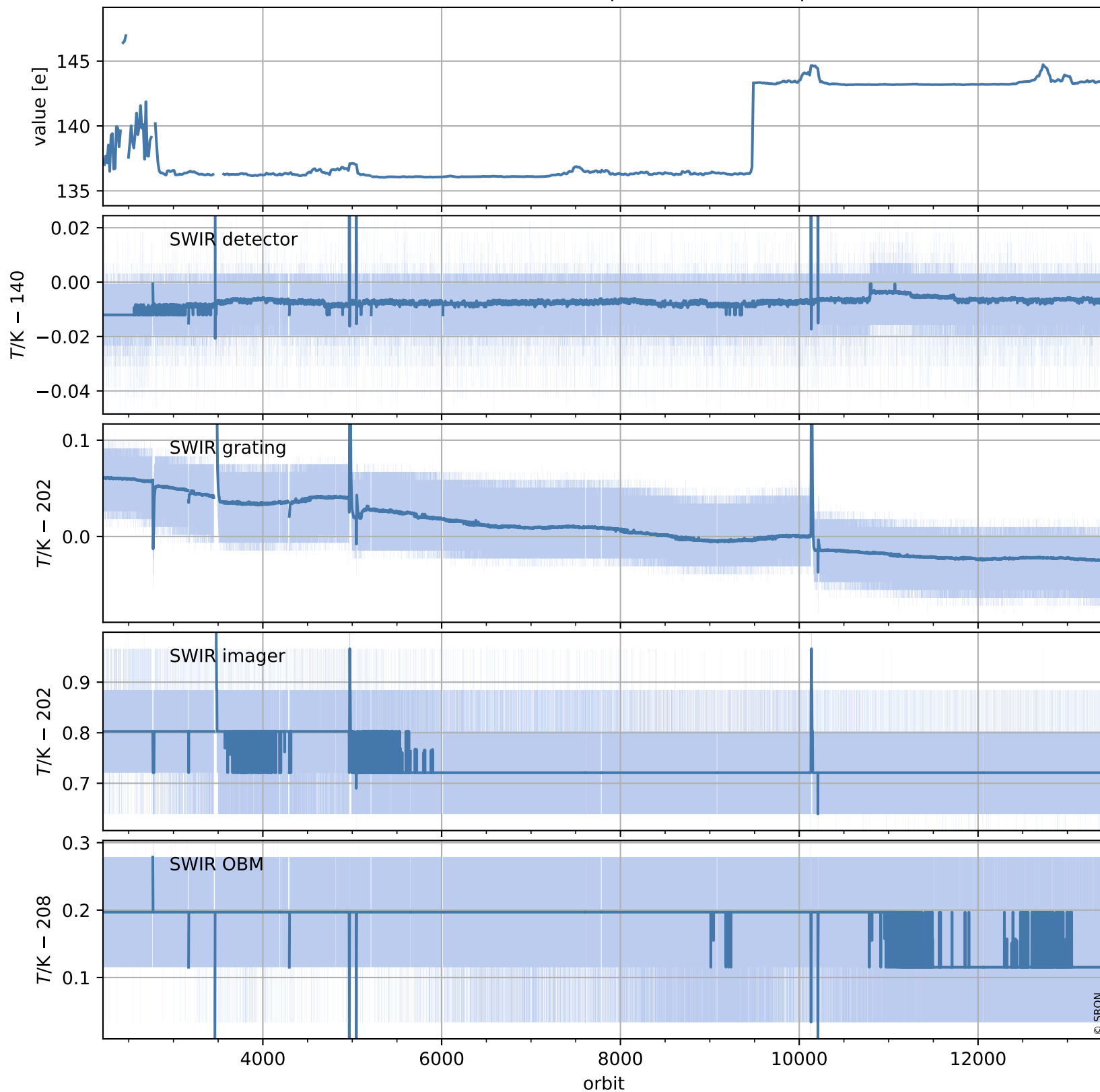
orbits : 12 in [13342, 13417]  
coverage : 2020-05-10 / 2020-05-15  
created : 2023-08-21T15:31:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 13417]  
coverage : 2018-03-18 / 2020-05-15  
created : 2023-08-21T15:31:02

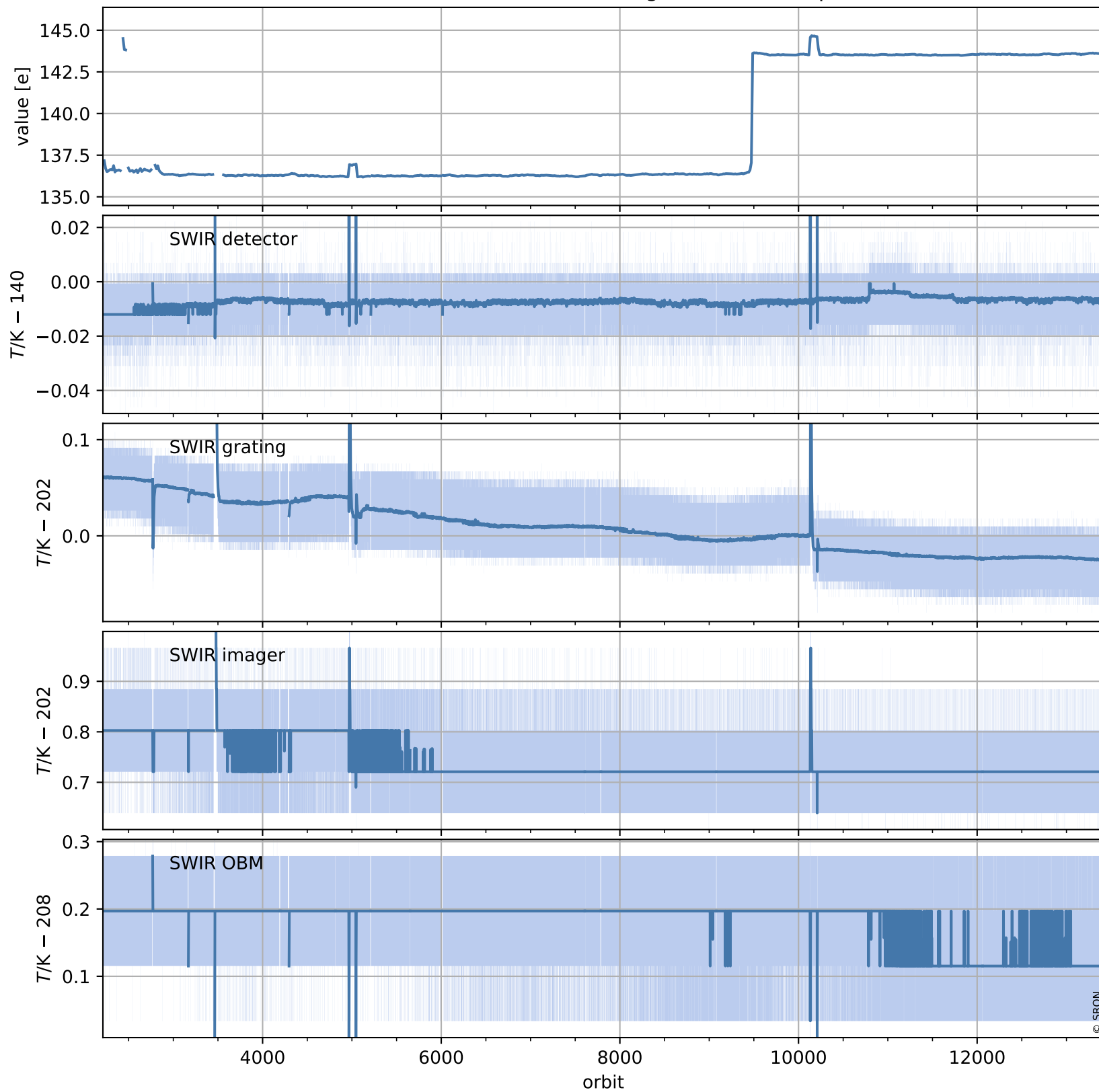
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13417]  
coverage : 2018-03-18 / 2020-05-15  
created : 2023-08-21T15:31:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13417]  
coverage : 2018-03-18 / 2020-05-15  
created : 2023-08-21T15:31:03

## trend of normalized read-noise & temperatures

