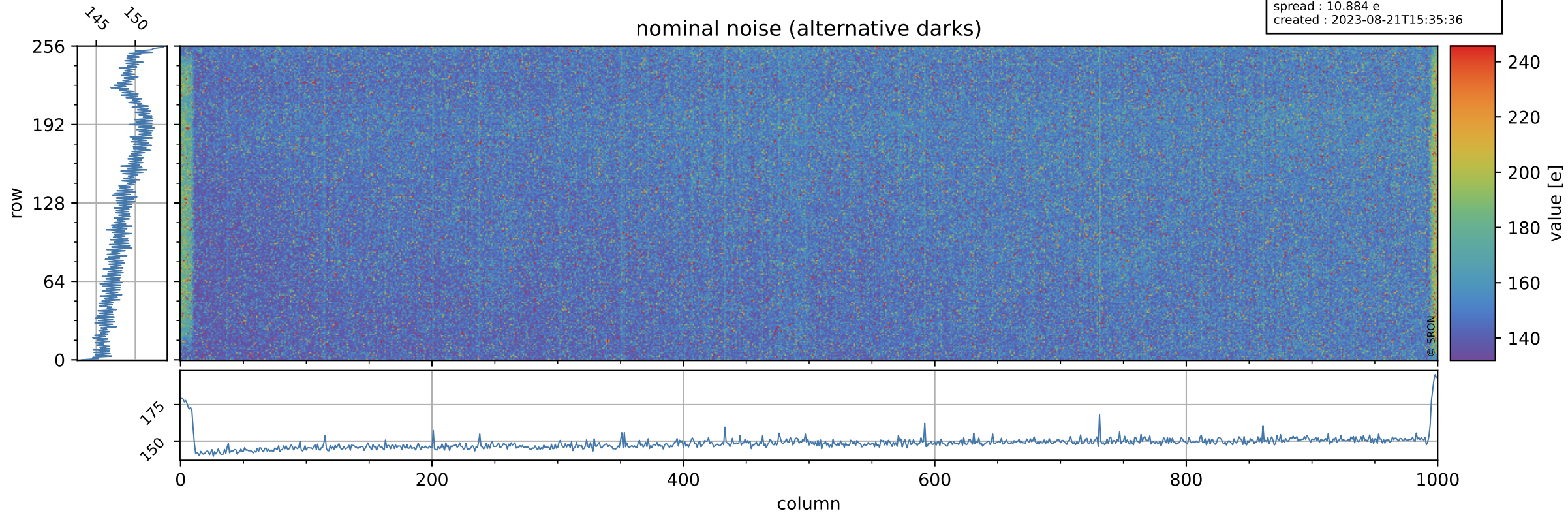


# Tropomi SWIR background noise (swir)

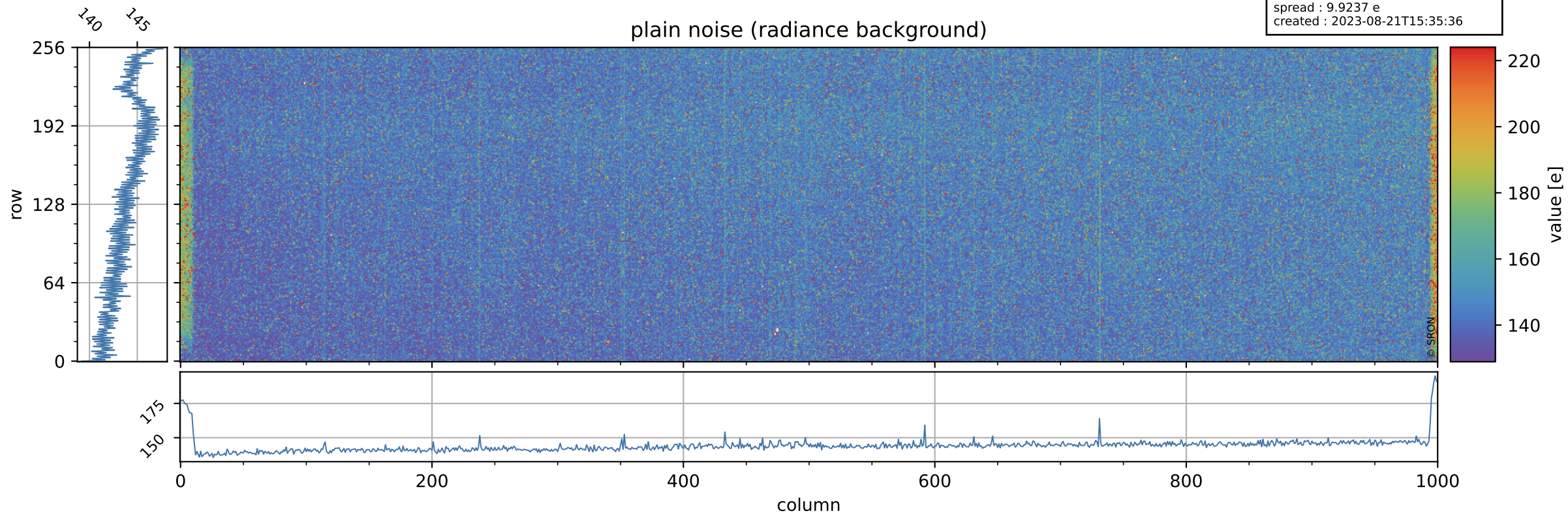
orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.884 e  
created : 2023-08-21T15:35:36



# Tropomi SWIR background noise (swir)

orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.9237 e  
created : 2023-08-21T15:35:36

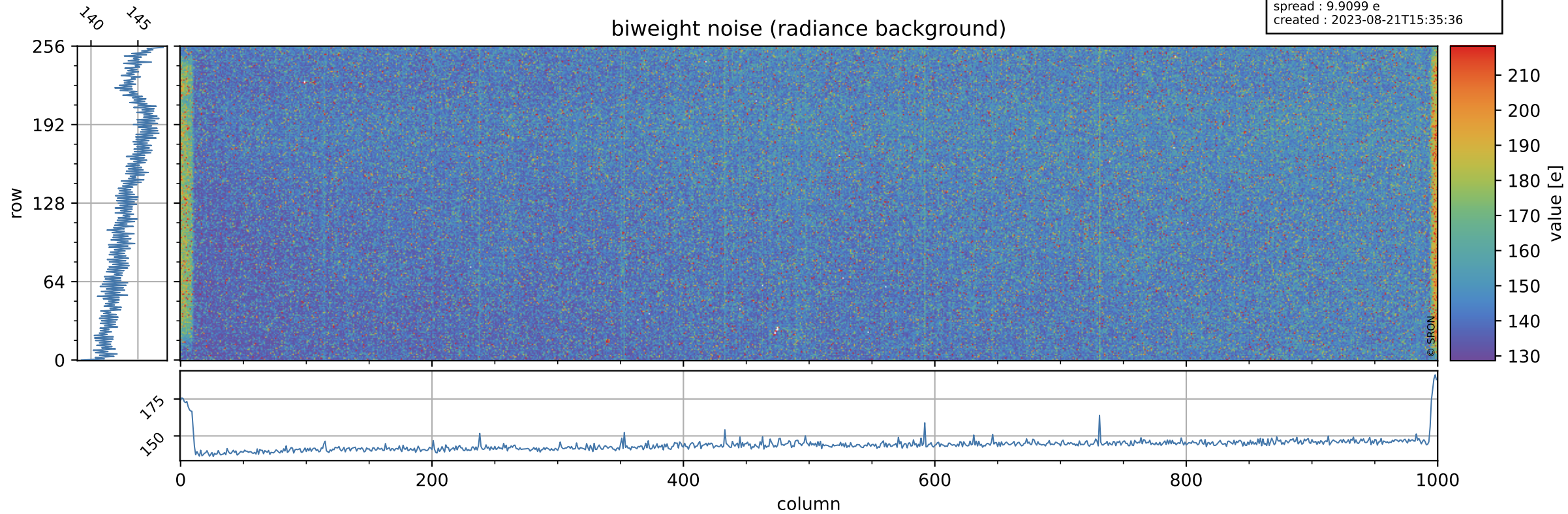
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.9099 e  
created : 2023-08-21T15:35:36

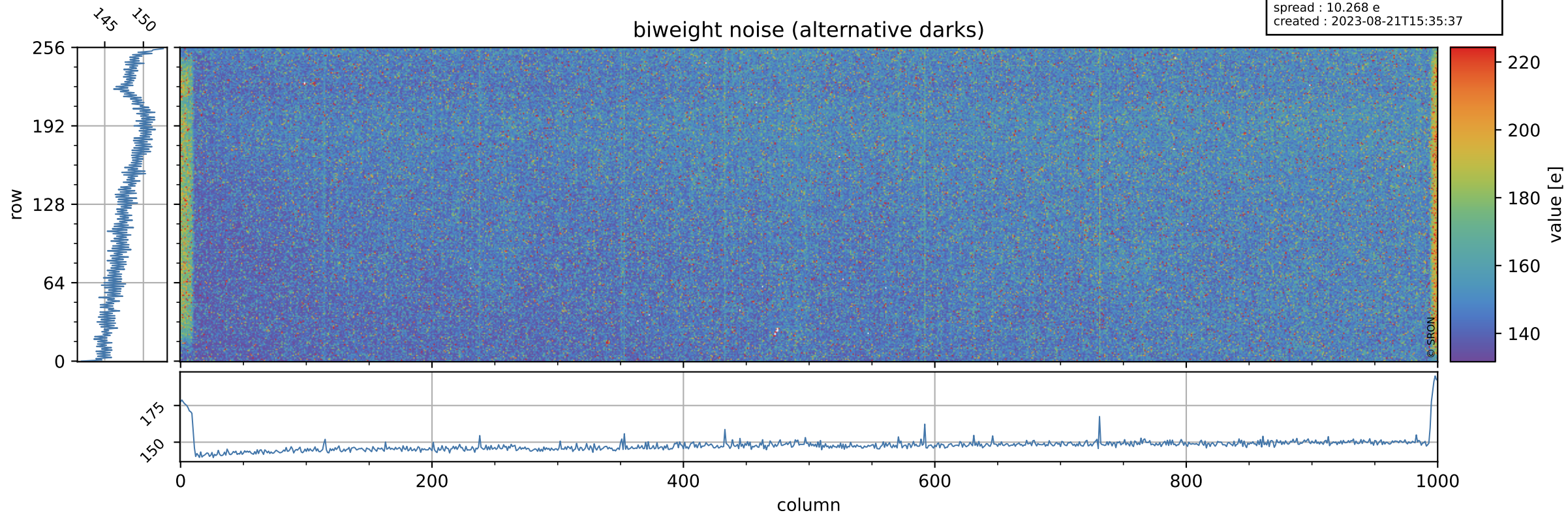
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.268 e  
created : 2023-08-21T15:35:37

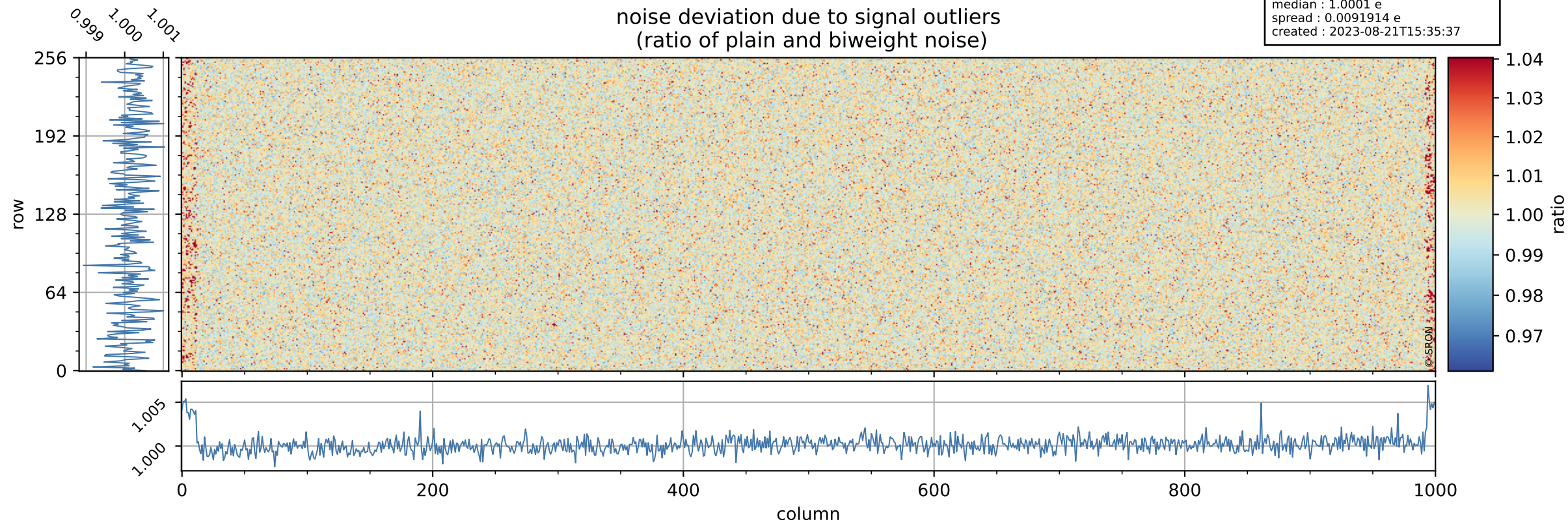
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

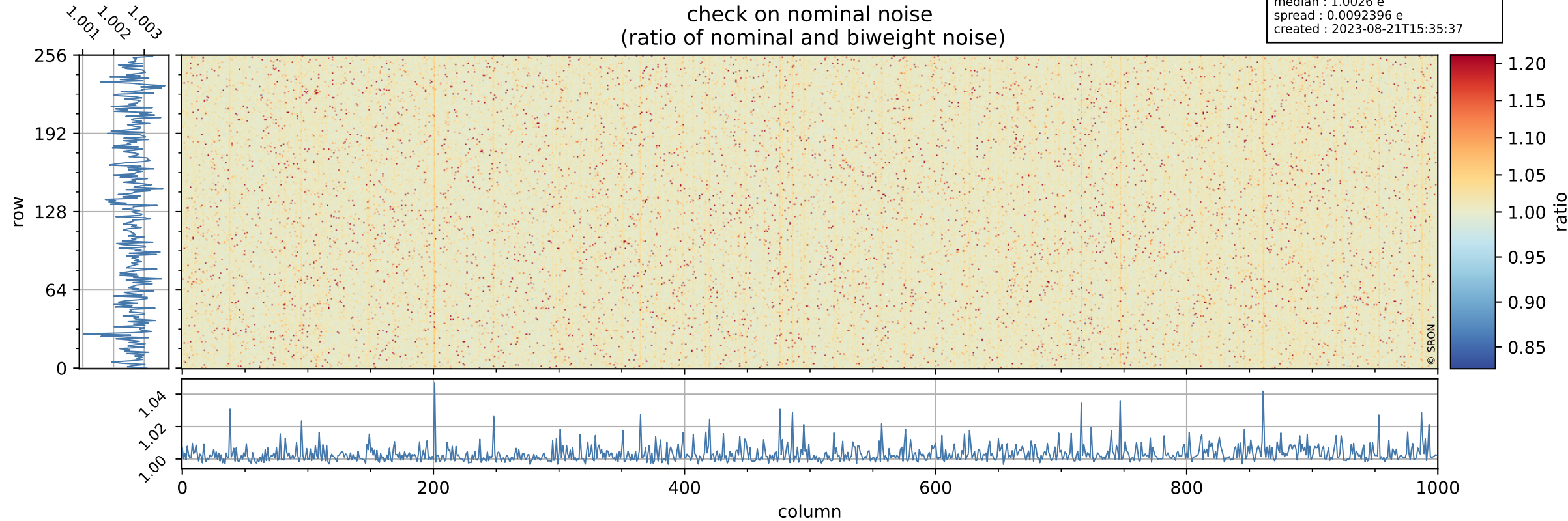
orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
median : 1.0001 e  
spread : 0.0091914 e  
created : 2023-08-21T15:35:37



# Tropomi SWIR background noise (swir)

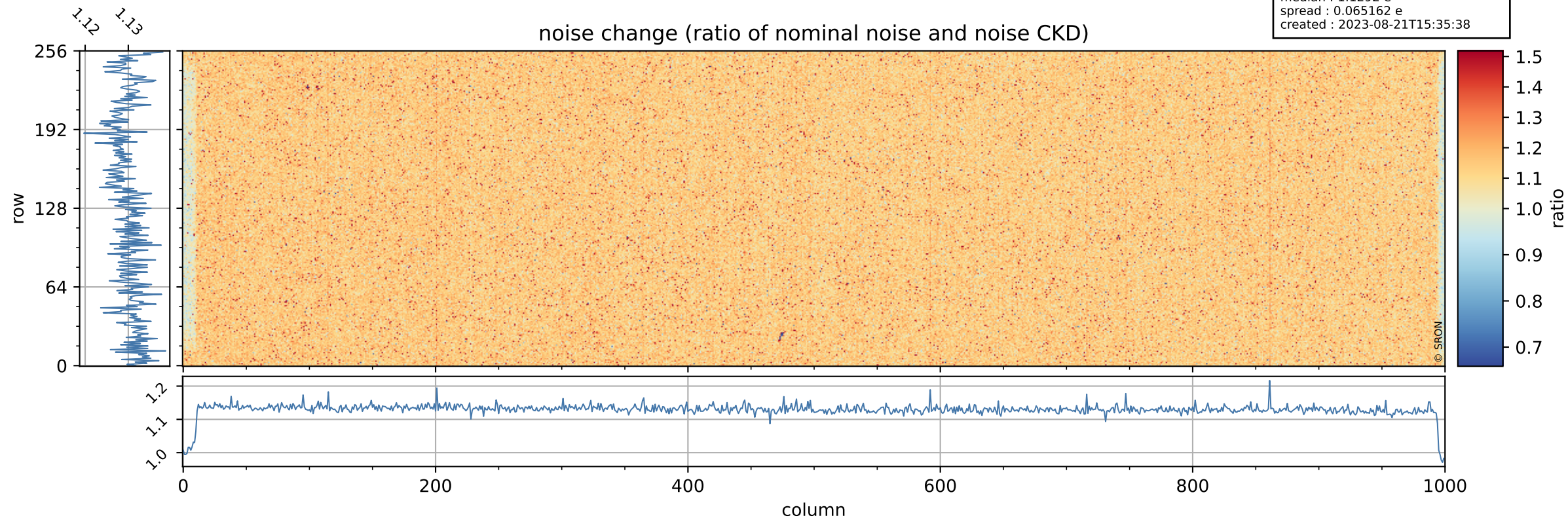
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
median : 1.0026 e  
spread : 0.0092396 e  
created : 2023-08-21T15:35:37



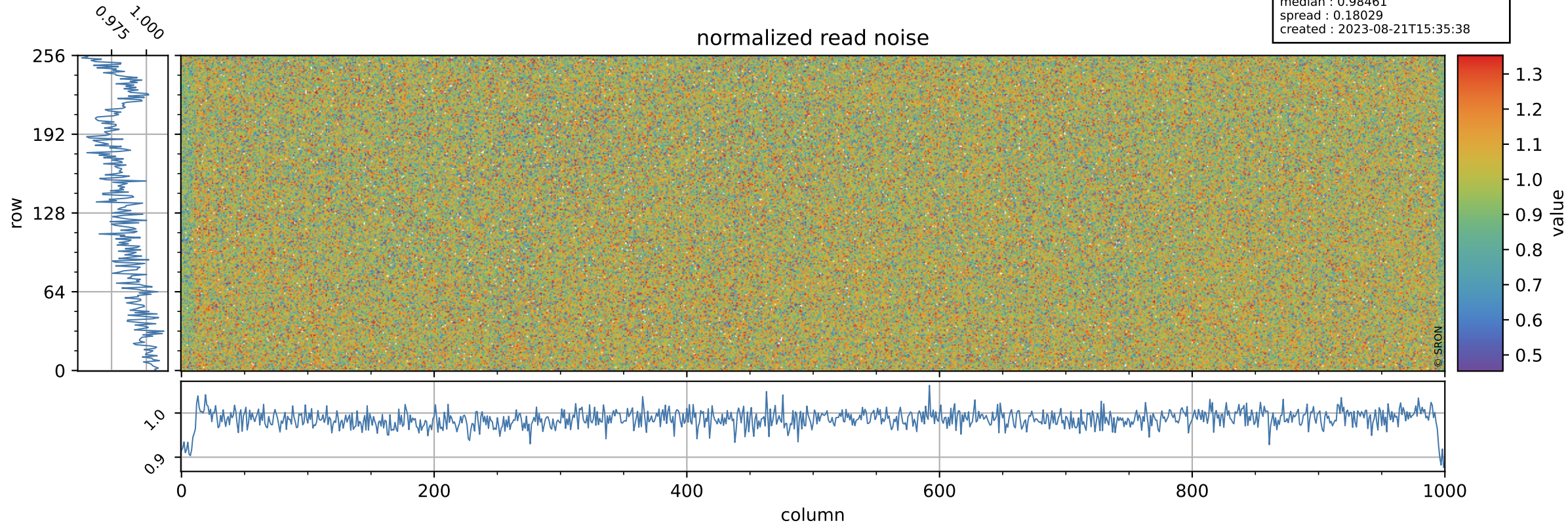
# Tropomi SWIR background noise (swir)

orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
median : 1.1292 e  
spread : 0.065162 e  
created : 2023-08-21T15:35:38



# Tropomi SWIR background noise (swir)

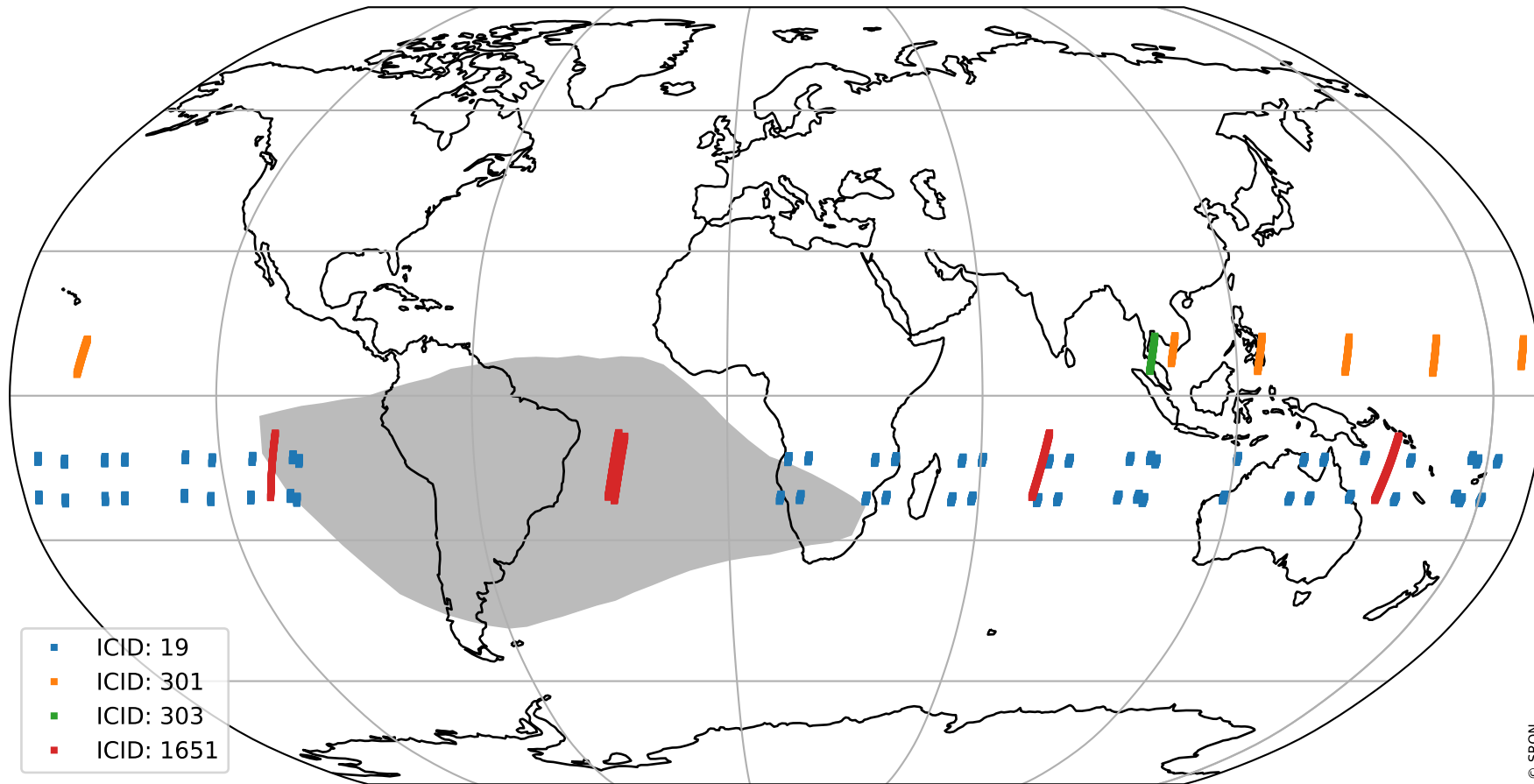
orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
median : 0.98461  
spread : 0.18029  
created : 2023-08-21T15:35:38





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

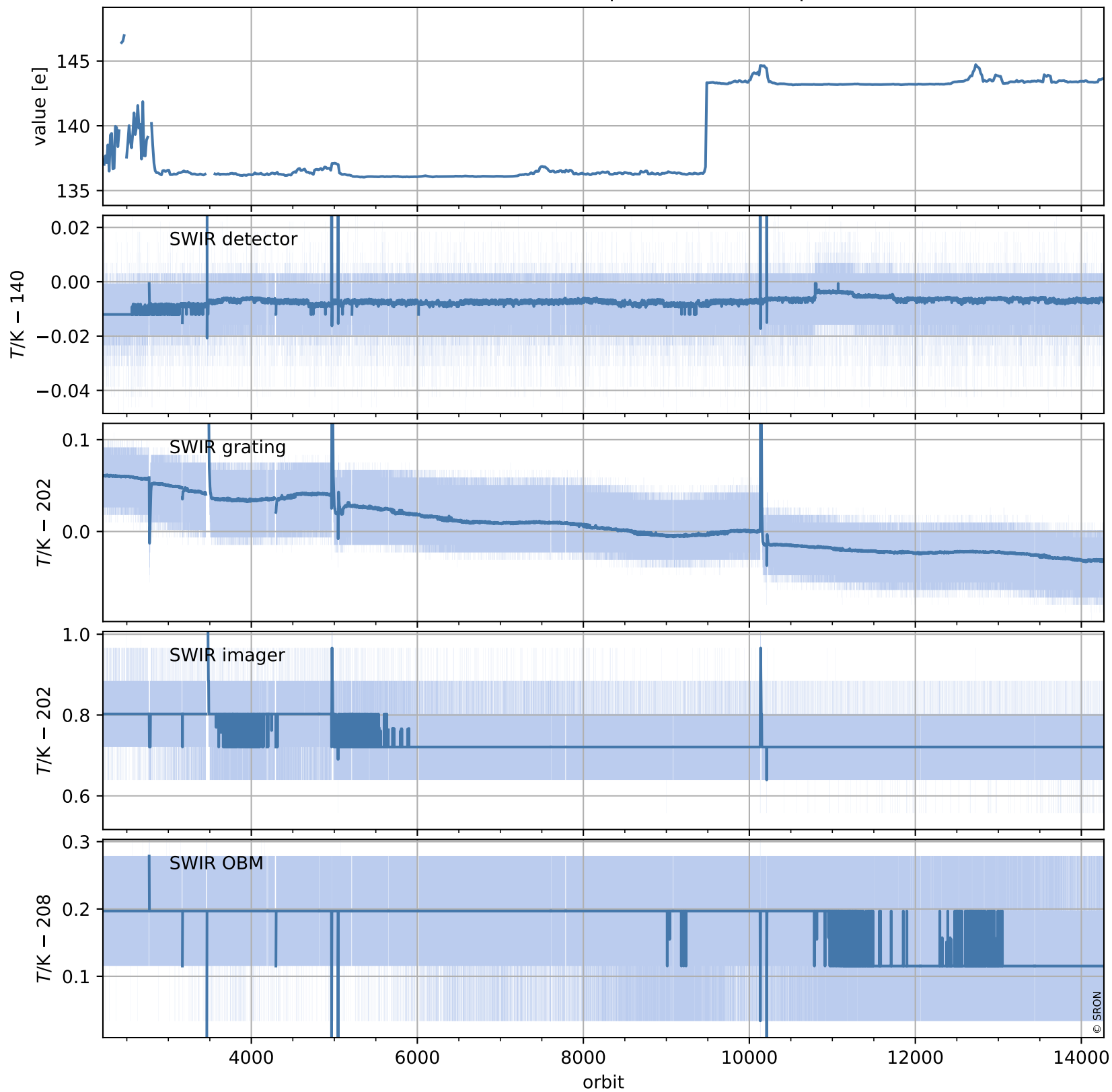
orbits : 12 in [14182, 14272]  
coverage : 2020-07-09 / 2020-07-15  
created : 2023-08-21T15:35:38



# Tropomi SWIR background noise (swir)

orbits : [2212, 14272]  
coverage : 2018-03-18 / 2020-07-15  
created : 2023-08-21T15:35:38

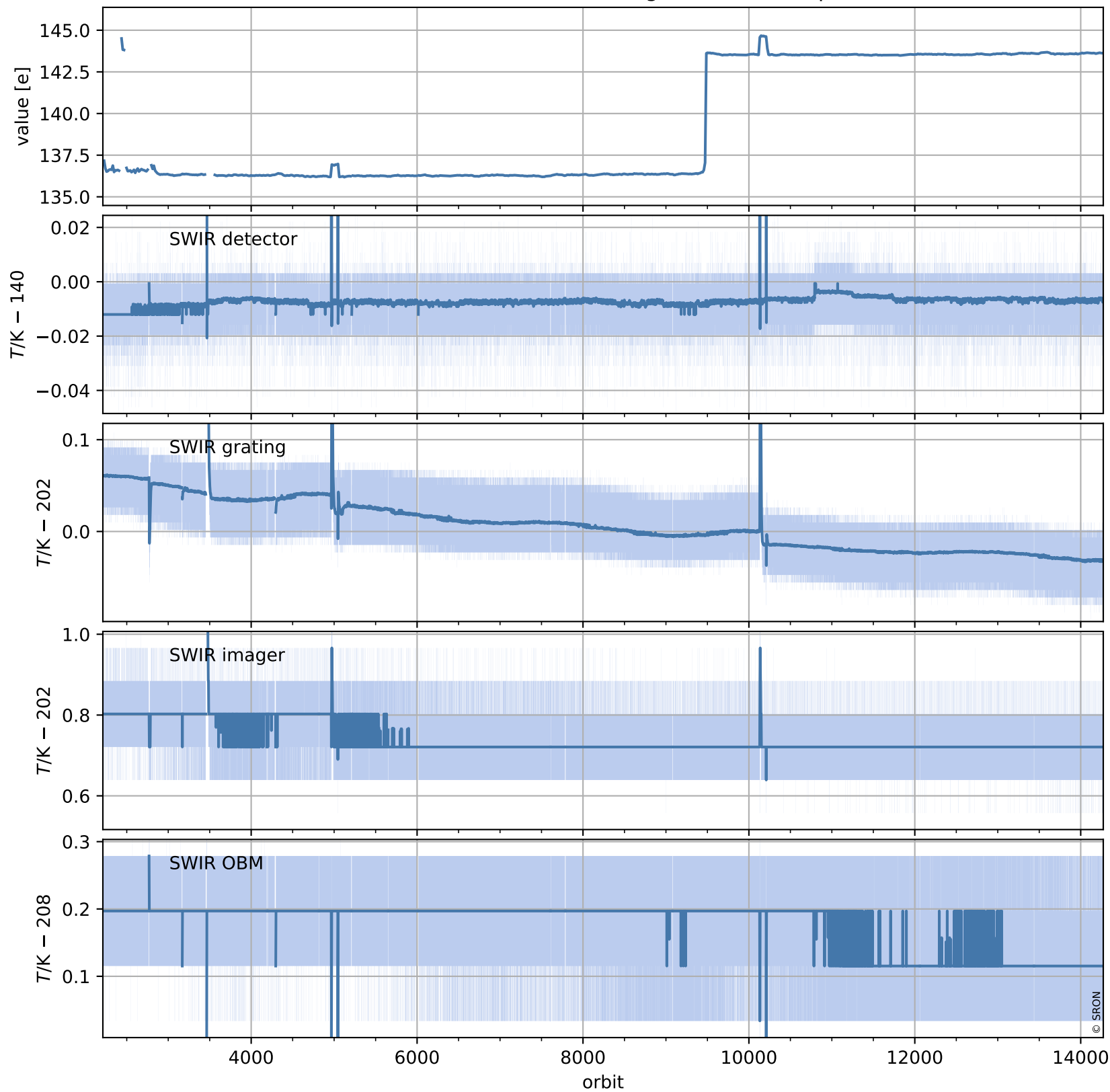
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14272]  
coverage : 2018-03-18 / 2020-07-15  
created : 2023-08-21T15:35:39

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14272]  
coverage : 2018-03-18 / 2020-07-15  
created : 2023-08-21T15:35:40

## trend of normalized read-noise & temperatures

