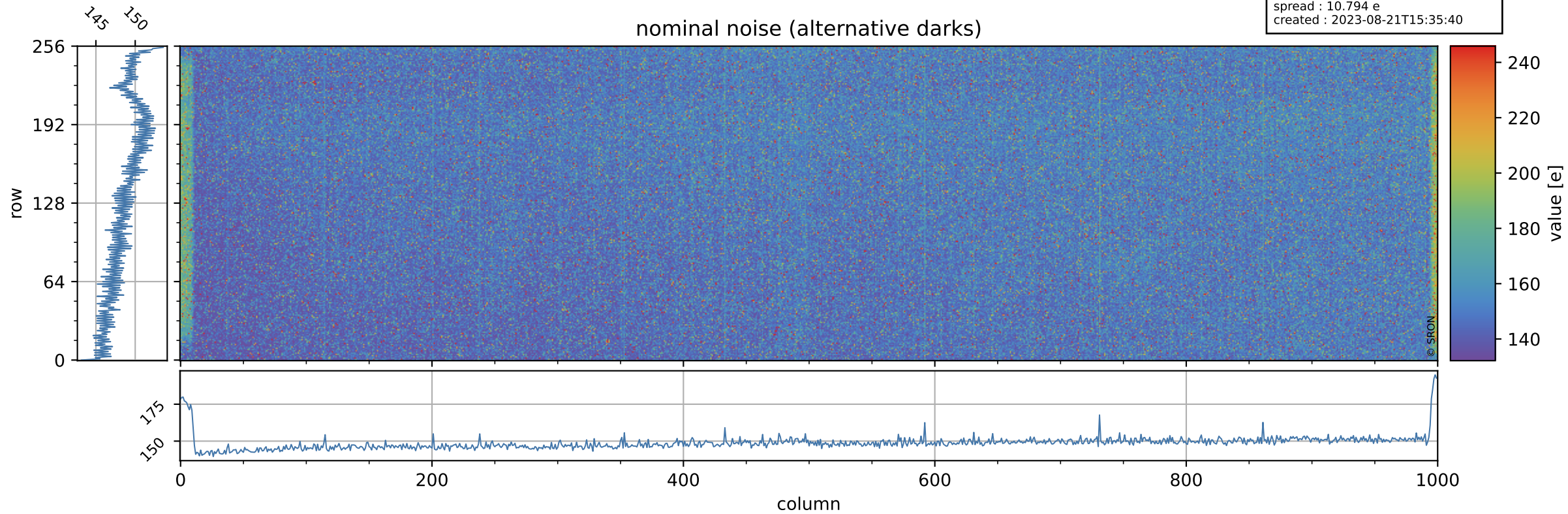


# Tropomi SWIR background noise (swir)

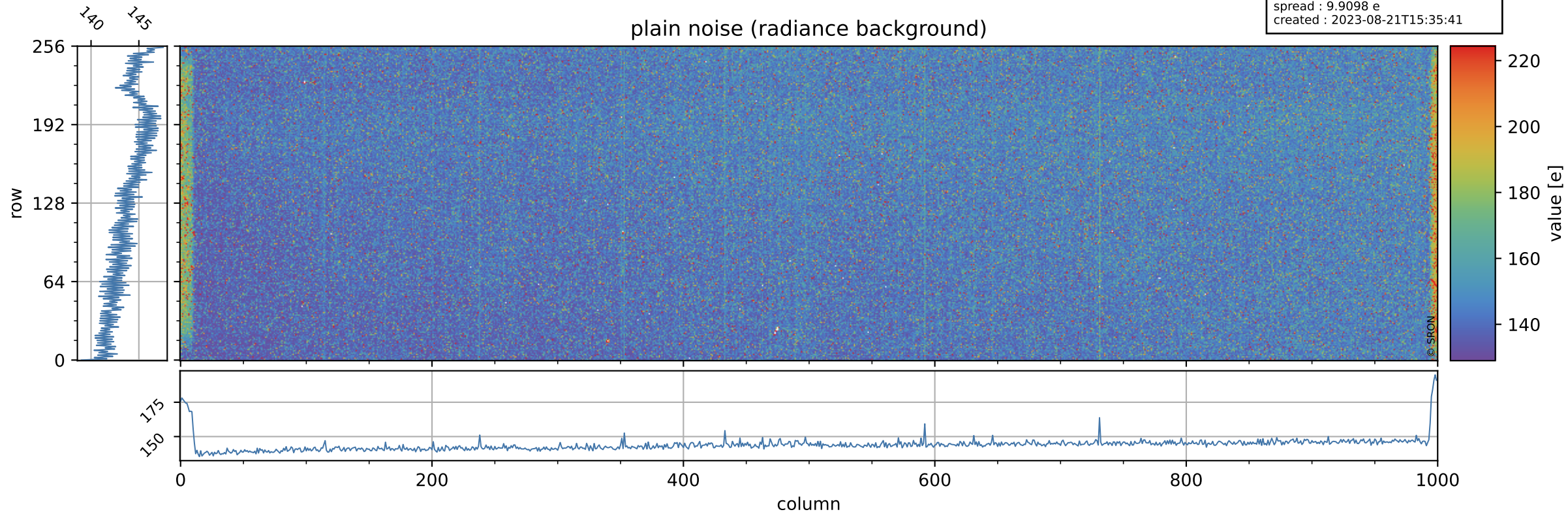
orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.58 e  
spread : 10.794 e  
created : 2023-08-21T15:35:40



# Tropomi SWIR background noise (swir)

orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9098 e  
created : 2023-08-21T15:35:41

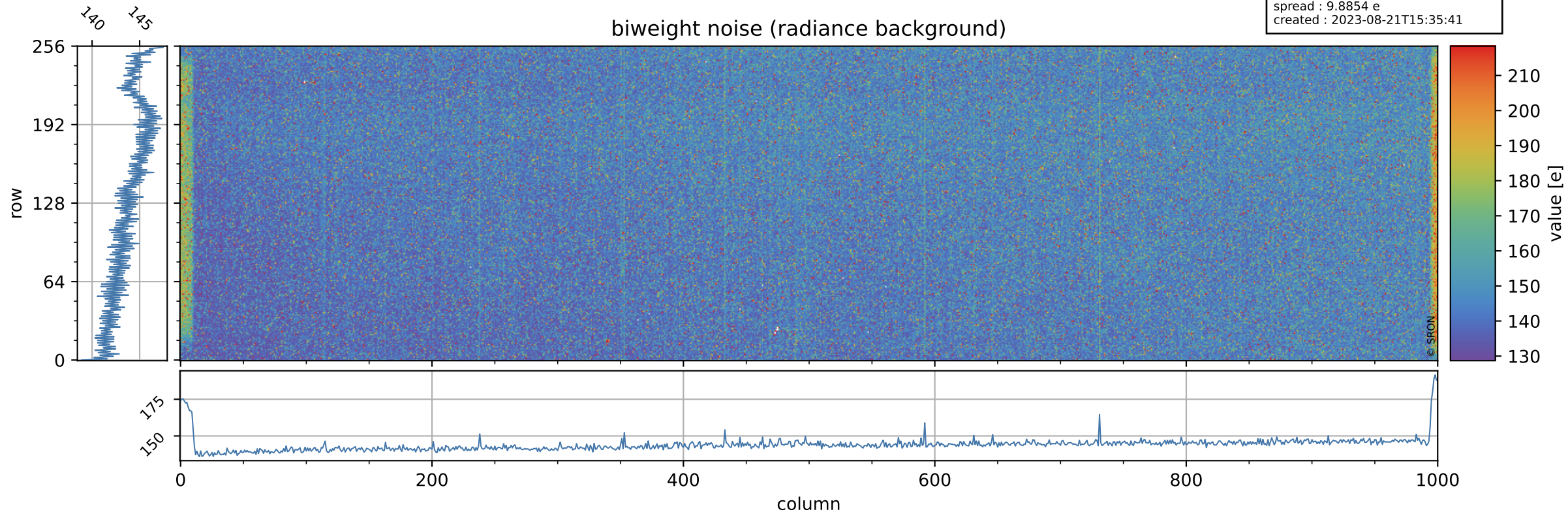
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8854 e  
created : 2023-08-21T15:35:41

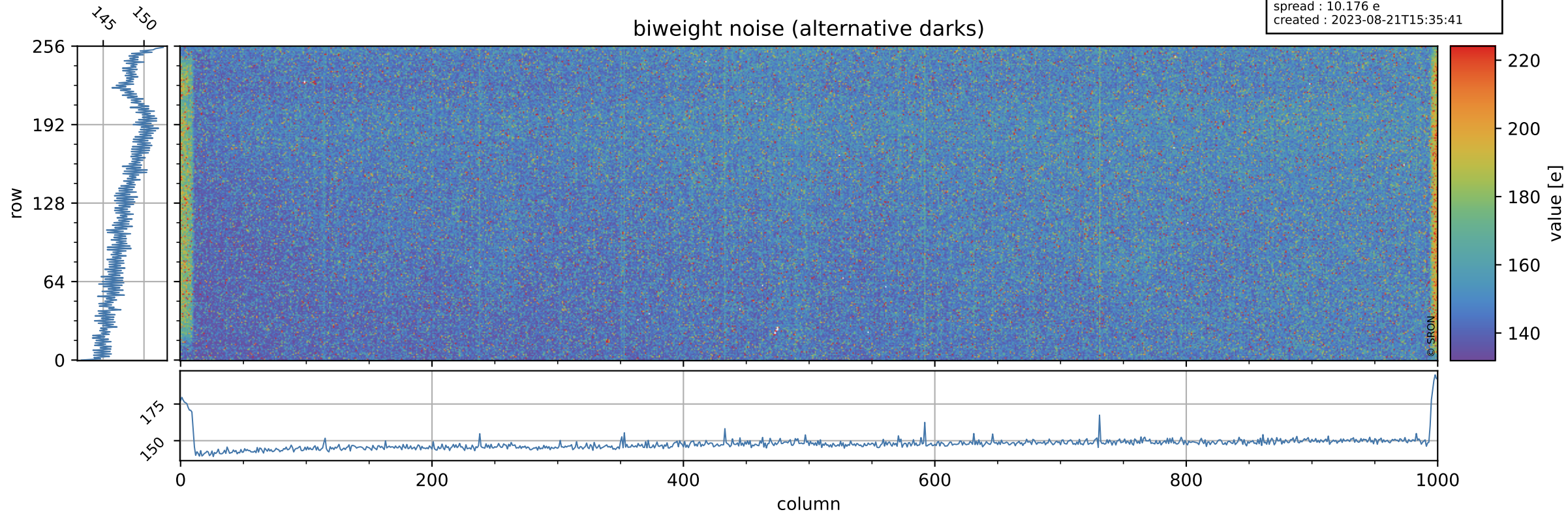
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.176 e  
created : 2023-08-21T15:35:41

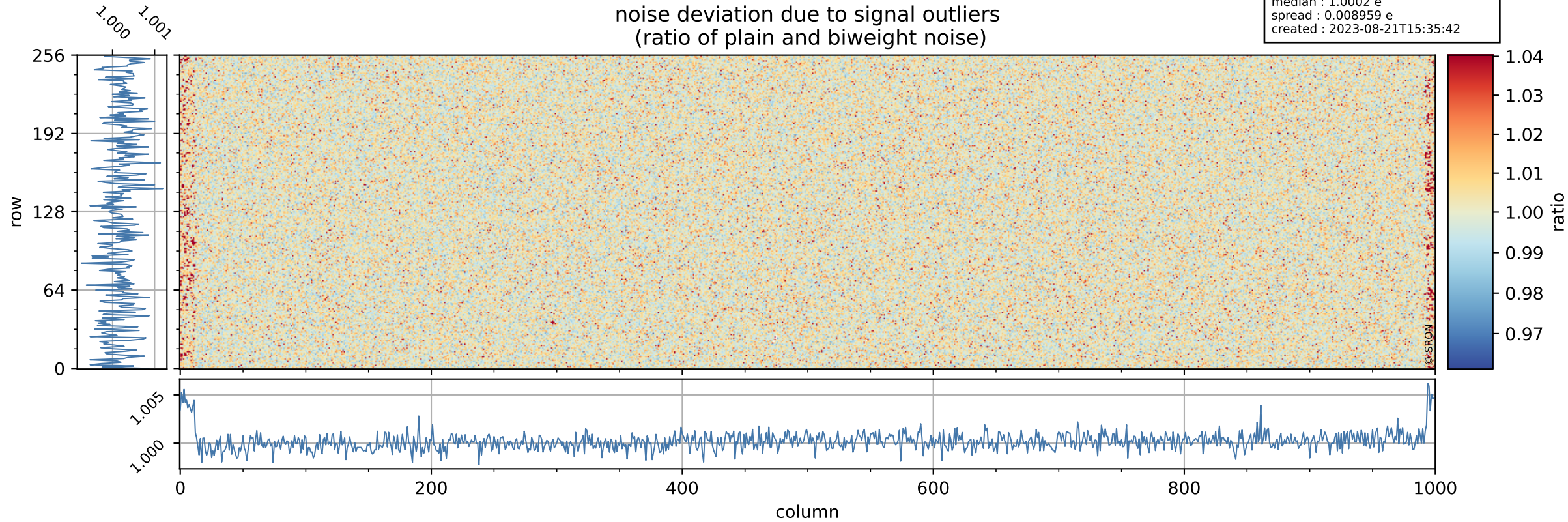
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

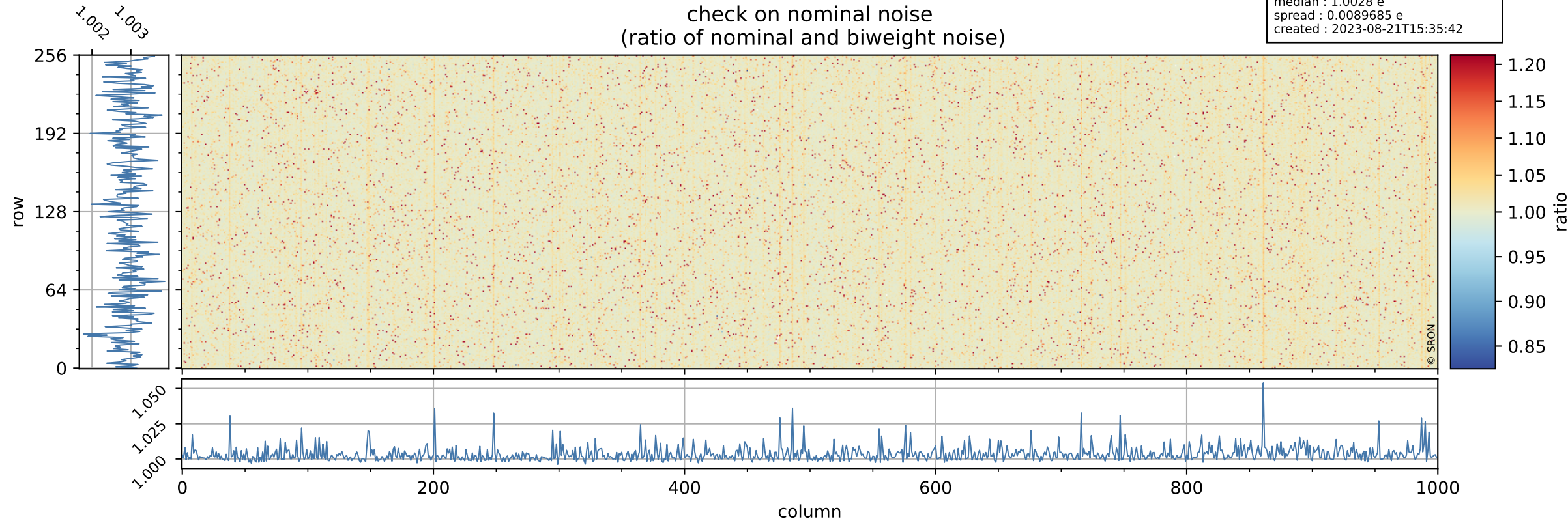
orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
median : 1.0002 e  
spread : 0.008959 e  
created : 2023-08-21T15:35:42



# Tropomi SWIR background noise (swir)

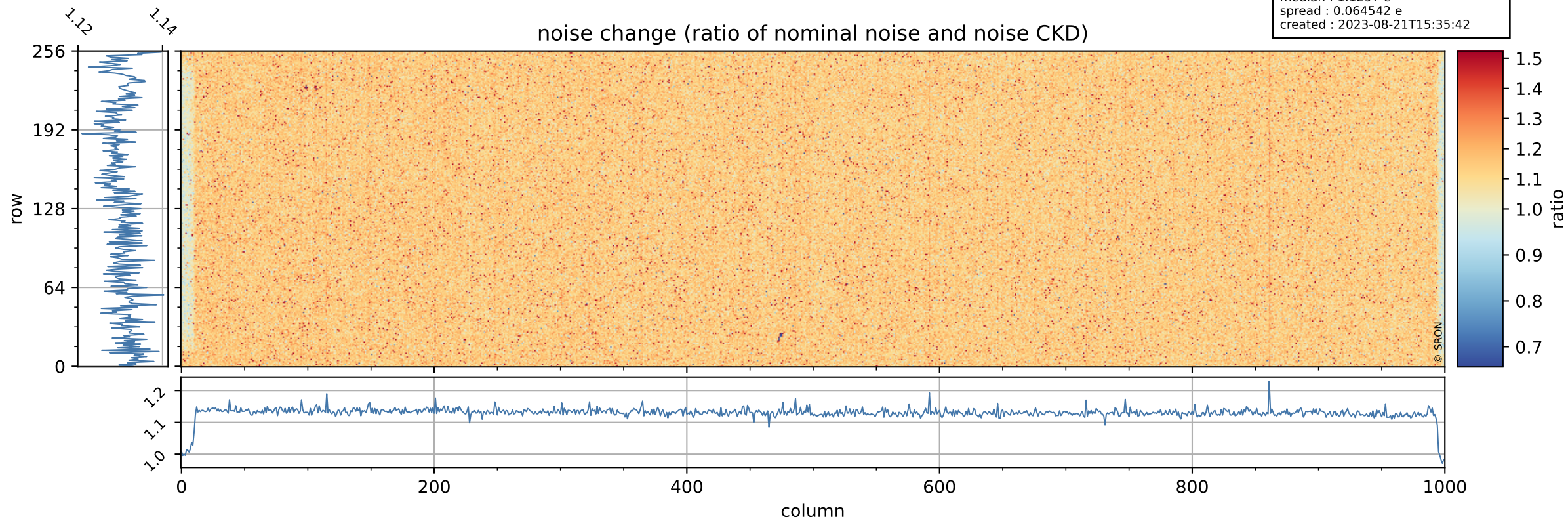
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
median : 1.0028 e  
spread : 0.0089685 e  
created : 2023-08-21T15:35:42



# Tropomi SWIR background noise (swir)

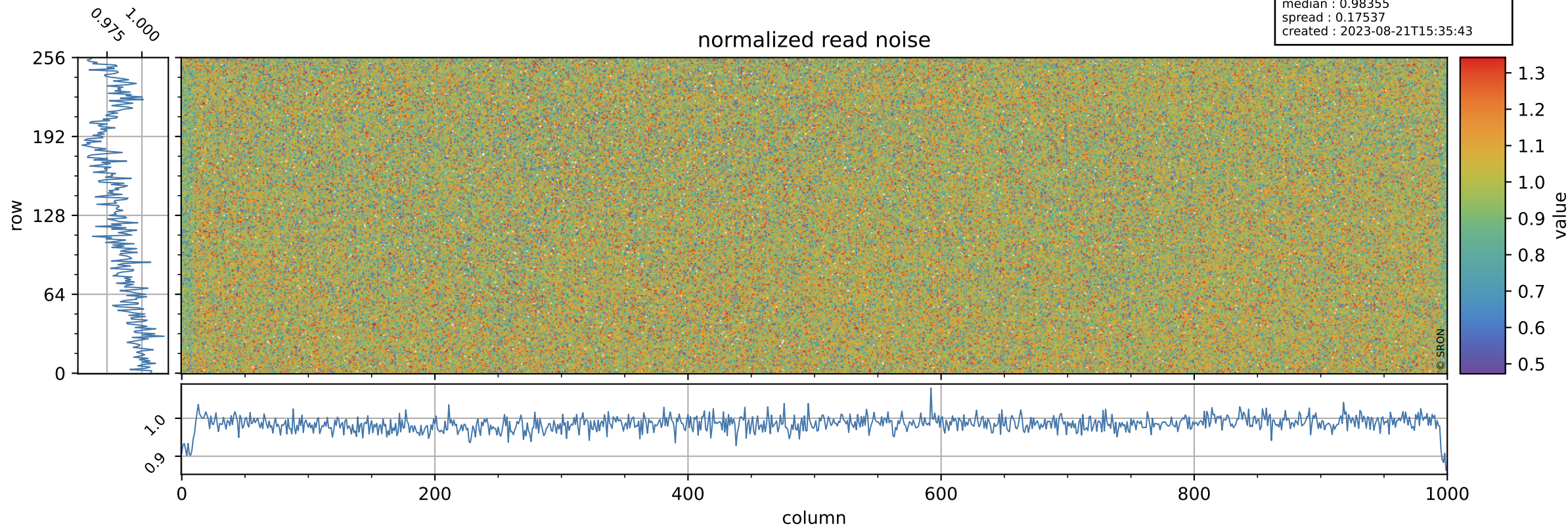
orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
median : 1.1297 e  
spread : 0.064542 e  
created : 2023-08-21T15:35:42



# Tropomi SWIR background noise (swir)

orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
median : 0.98355  
spread : 0.17537  
created : 2023-08-21T15:35:43

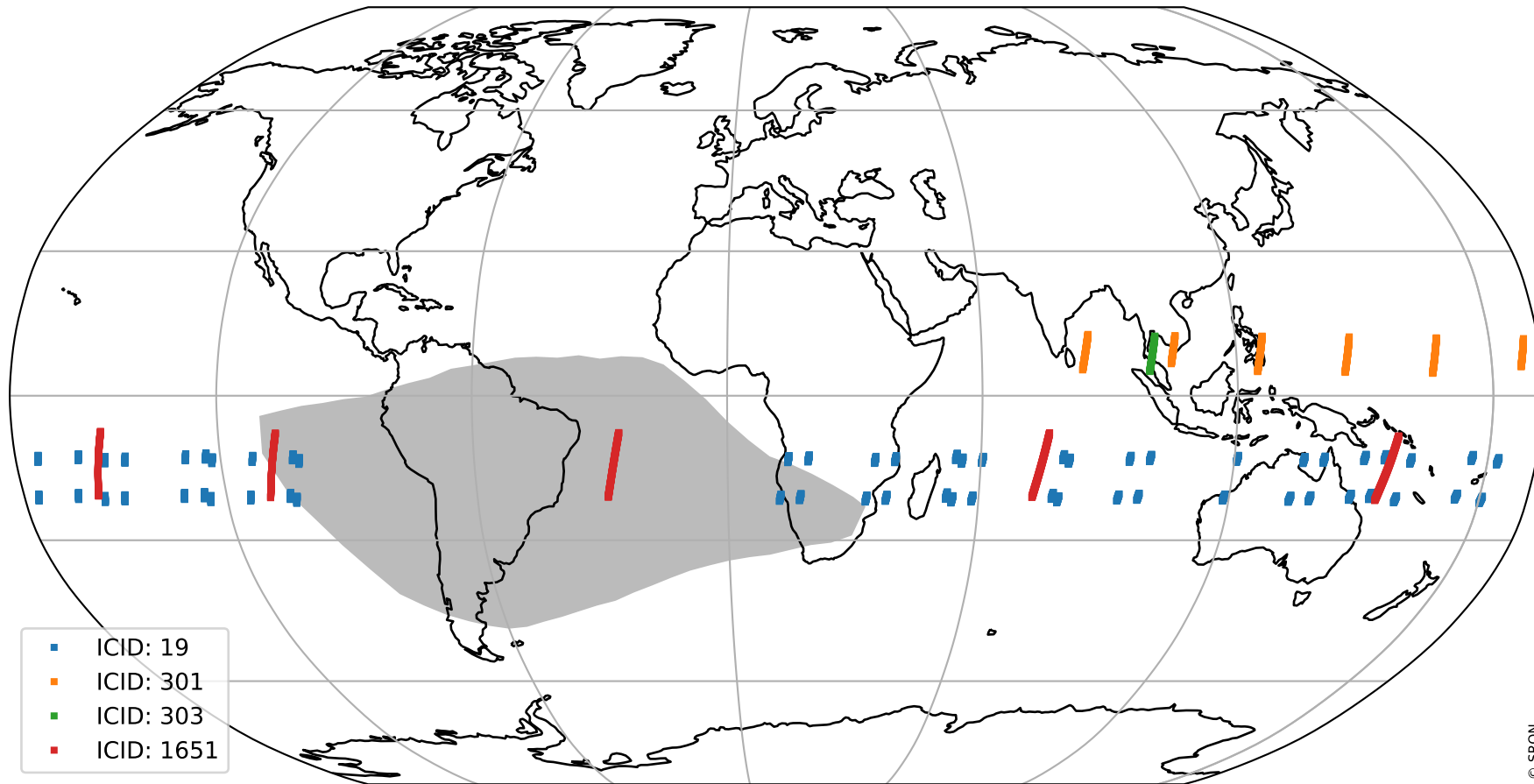
normalized read noise





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

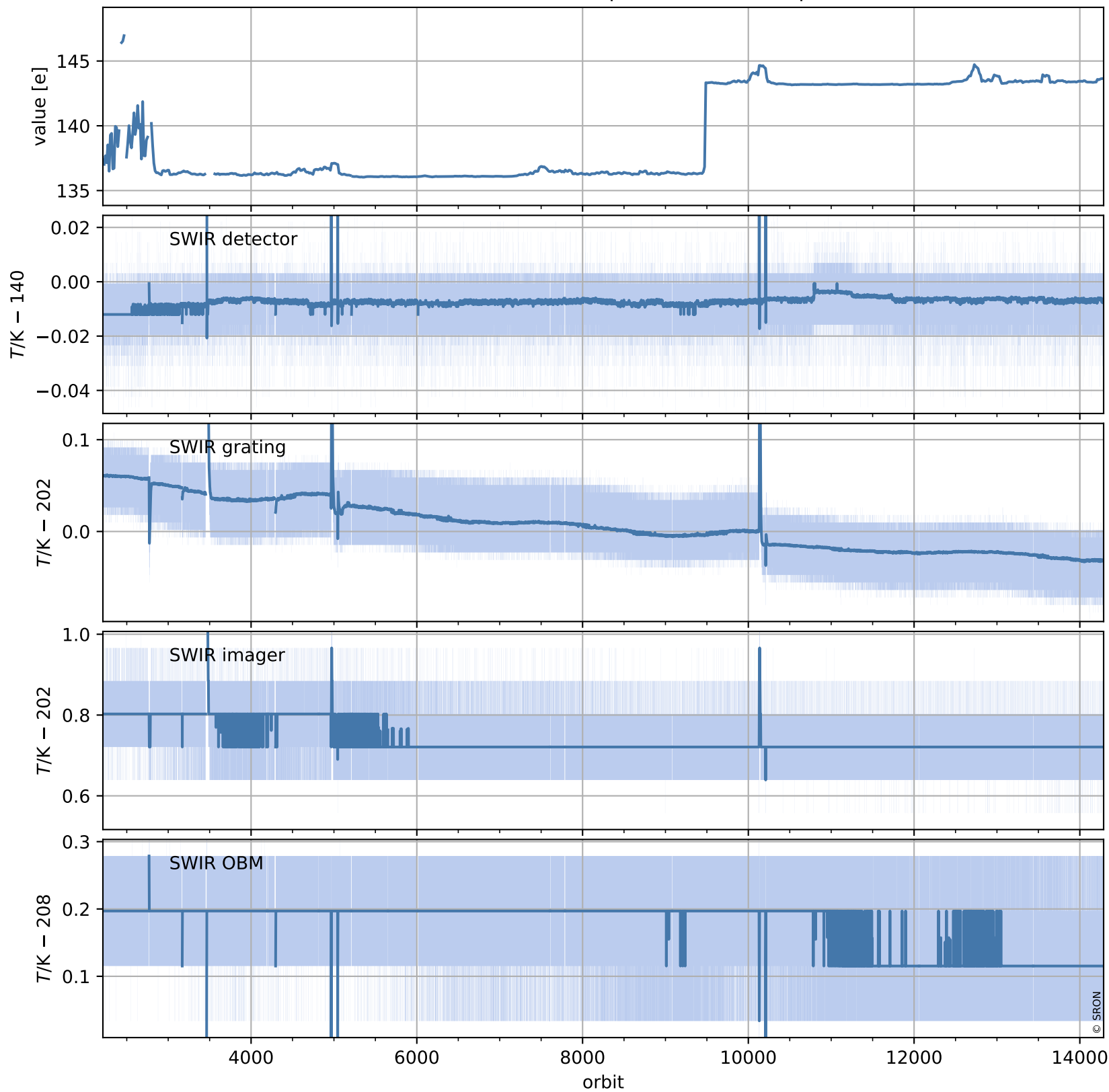
orbits : 12 in [14197, 14287]  
coverage : 2020-07-10 / 2020-07-16  
created : 2023-08-21T15:35:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 14287]  
coverage : 2018-03-18 / 2020-07-16  
created : 2023-08-21T15:35:43

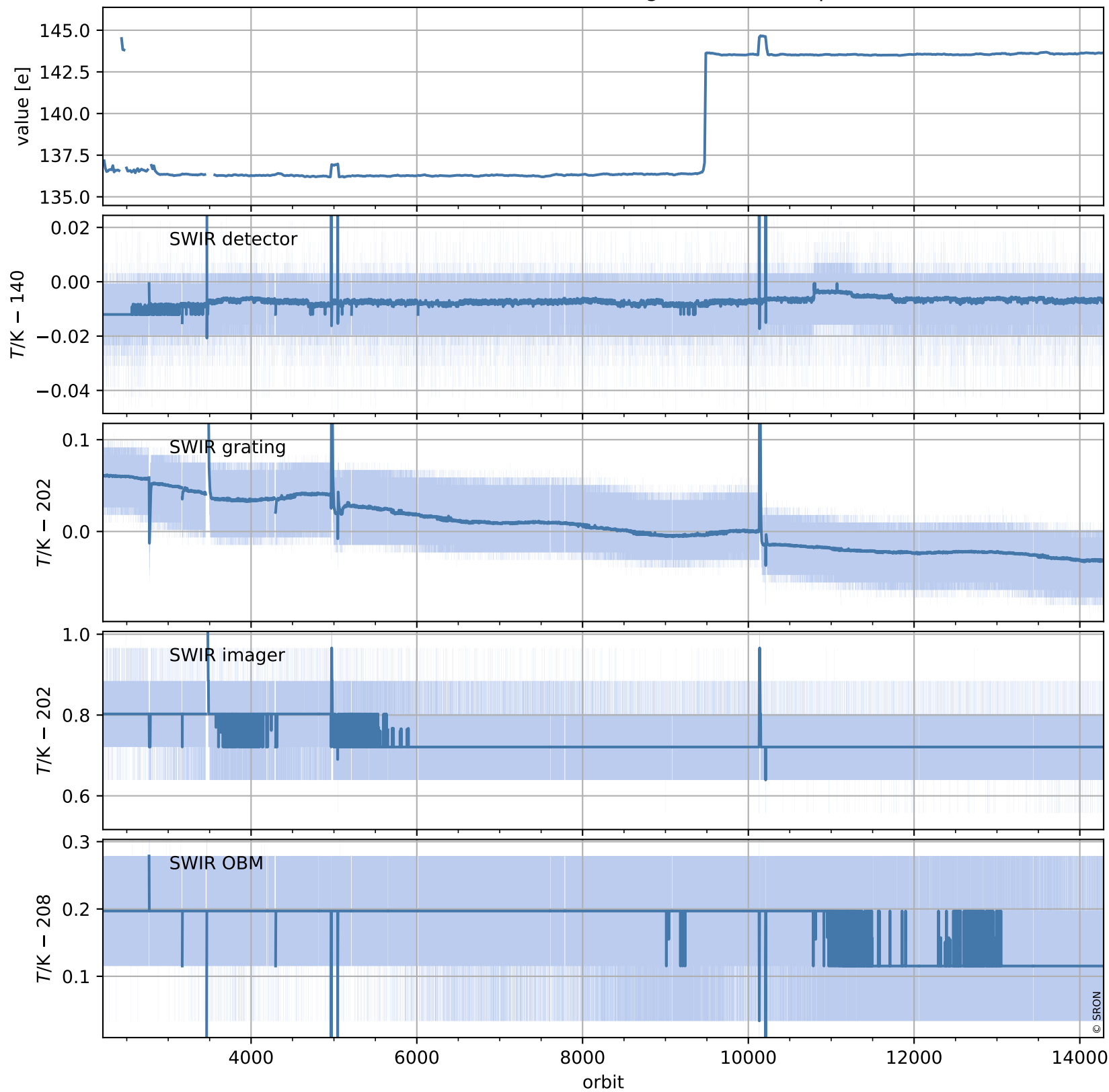
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14287]  
coverage : 2018-03-18 / 2020-07-16  
created : 2023-08-21T15:35:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14287]  
coverage : 2018-03-18 / 2020-07-16  
created : 2023-08-21T15:35:44

## trend of normalized read-noise & temperatures

