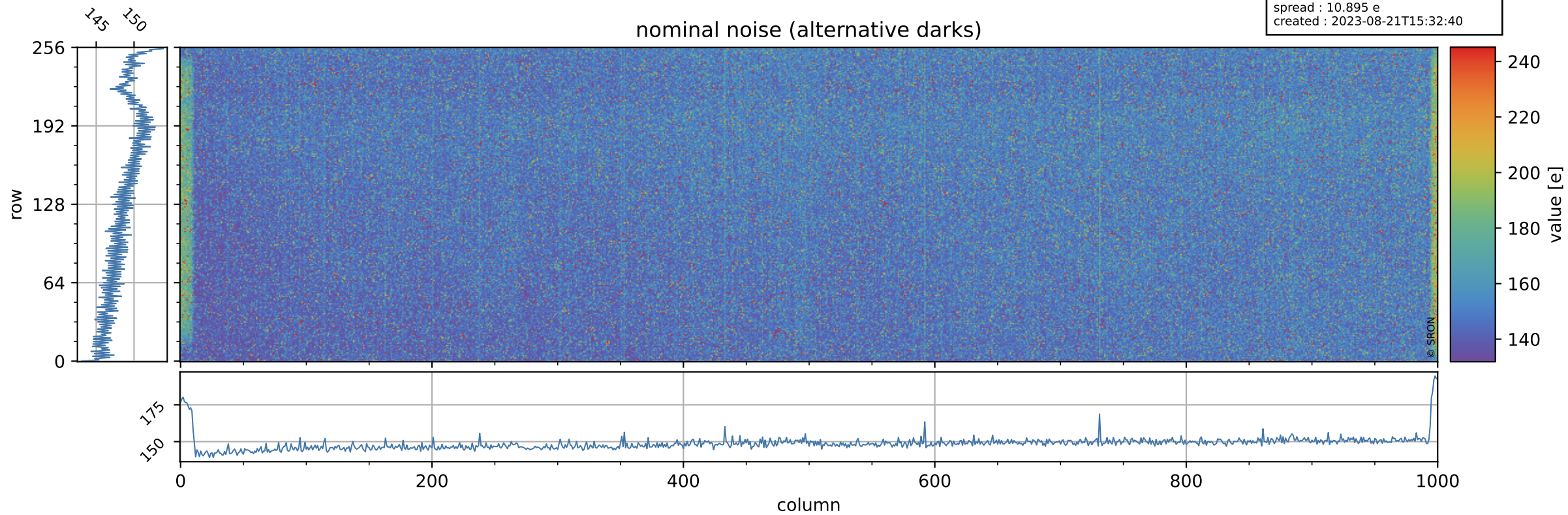


# Tropomi SWIR background noise (swir)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.895 e  
created : 2023-08-21T15:32:40

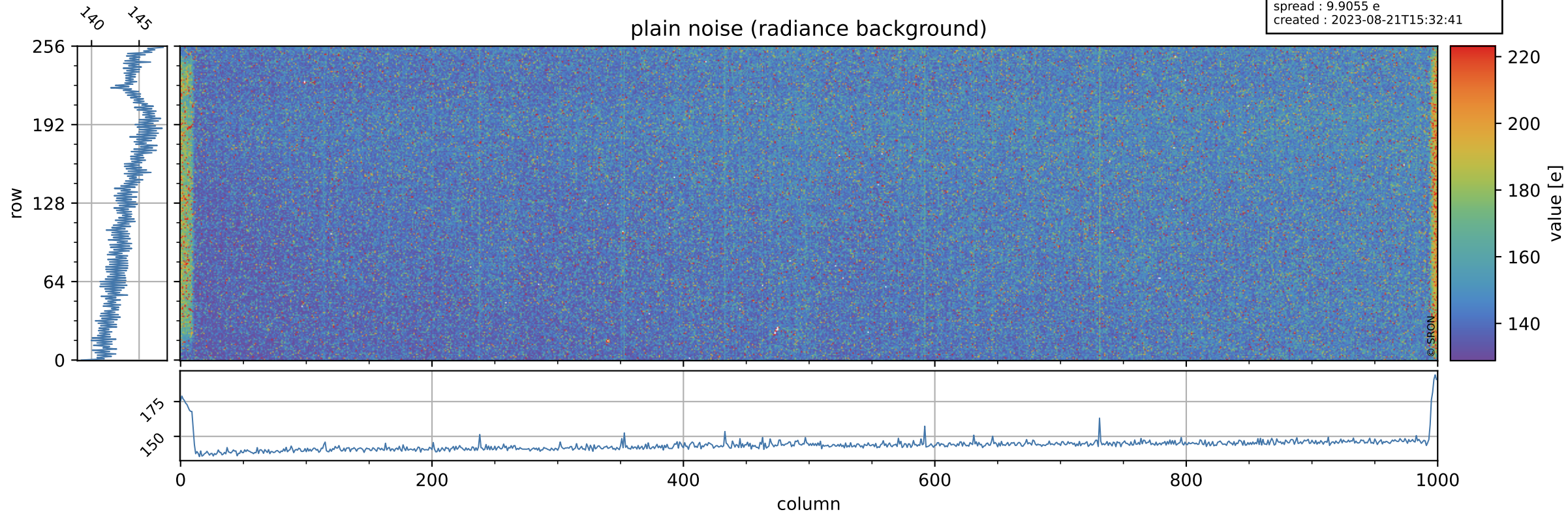
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 9.9055 e  
created : 2023-08-21T15:32:41

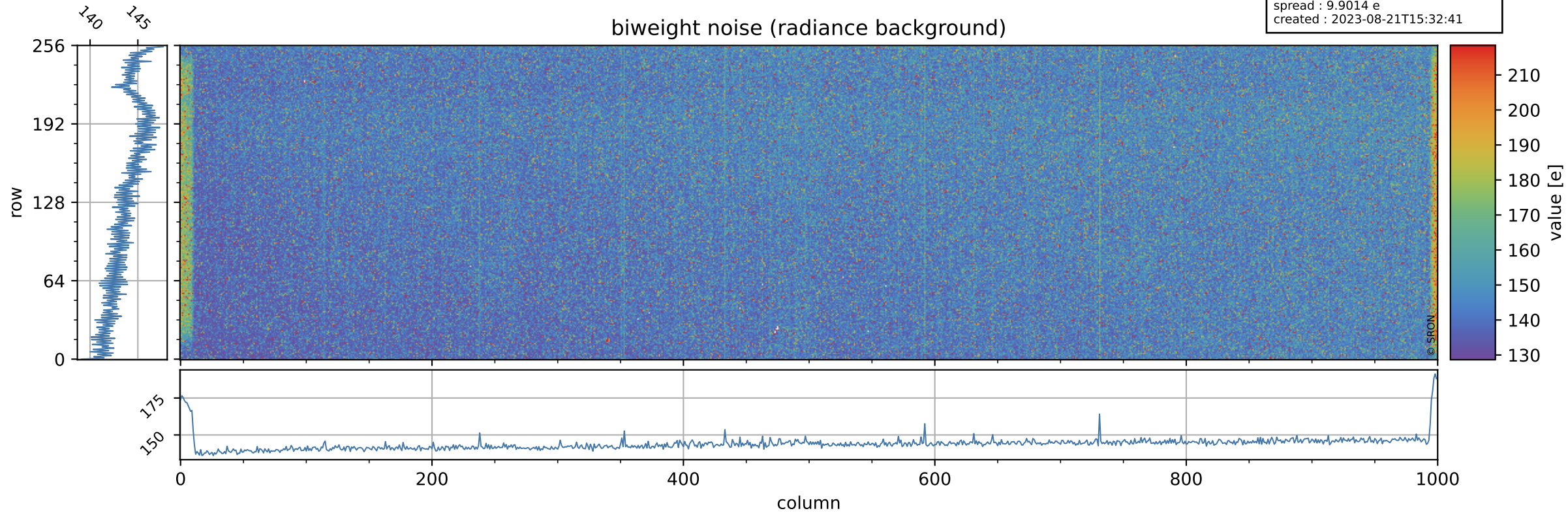
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.9014 e  
created : 2023-08-21T15:32:41

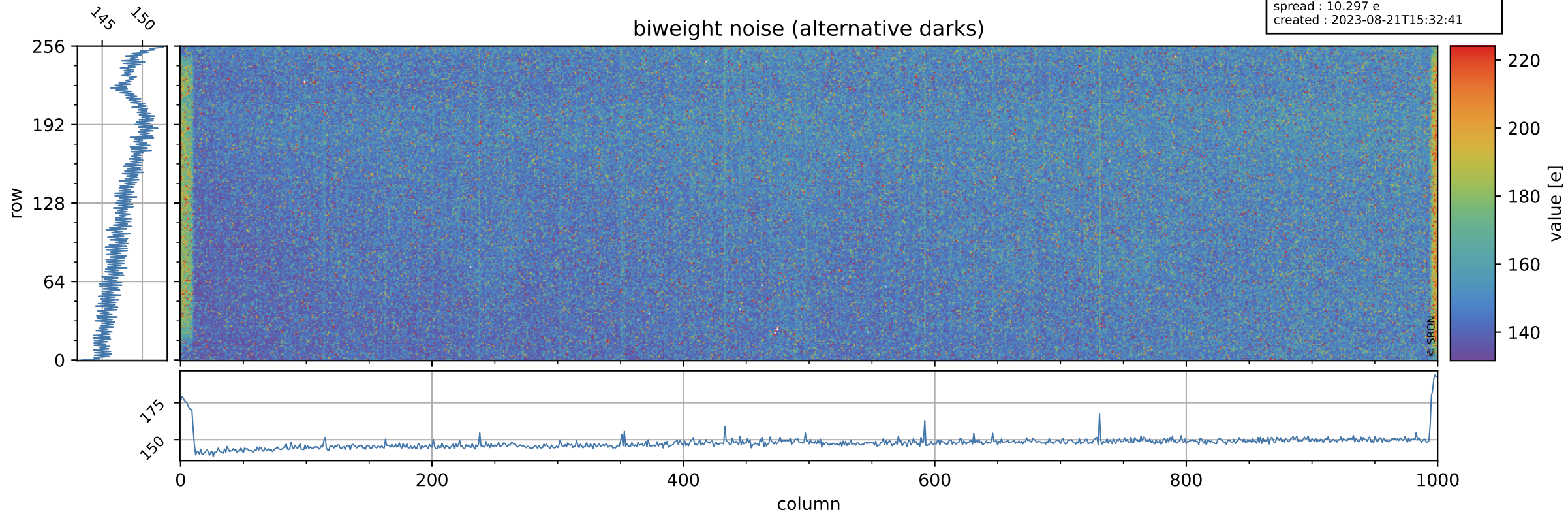
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.69 e  
spread : 10.297 e  
created : 2023-08-21T15:32:41

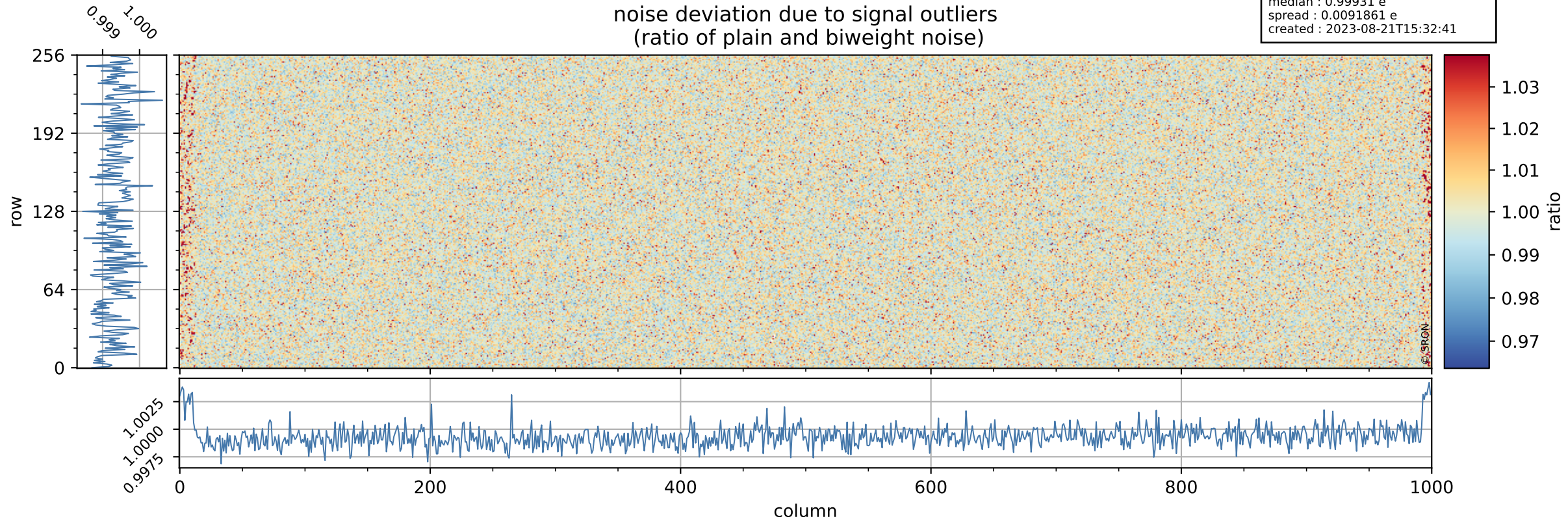
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

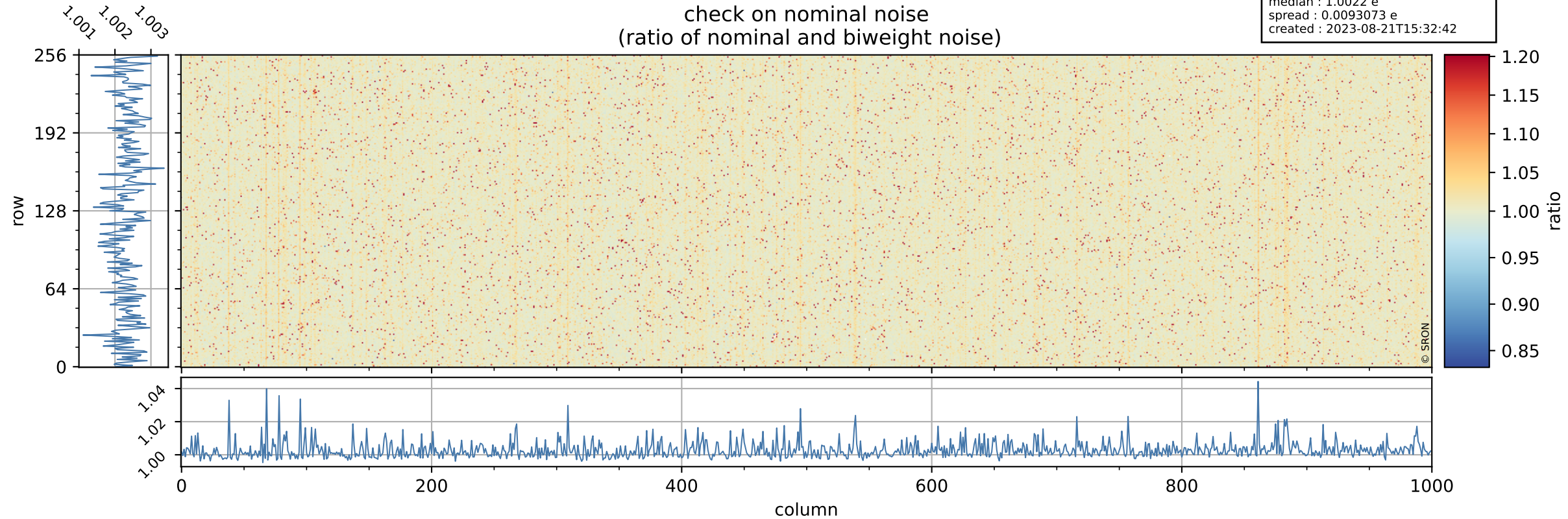
orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
median : 0.99931 e  
spread : 0.0091861 e  
created : 2023-08-21T15:32:41



# Tropomi SWIR background noise (swir)

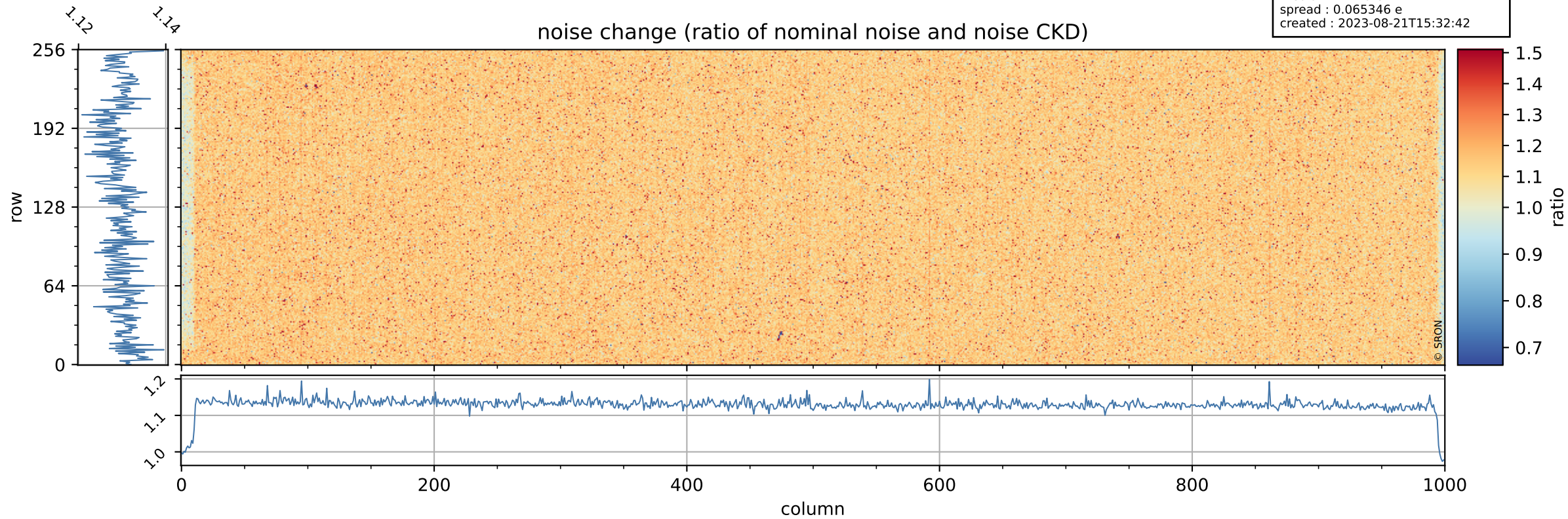
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
median : 1.0022 e  
spread : 0.0093073 e  
created : 2023-08-21T15:32:42



# Tropomi SWIR background noise (swir)

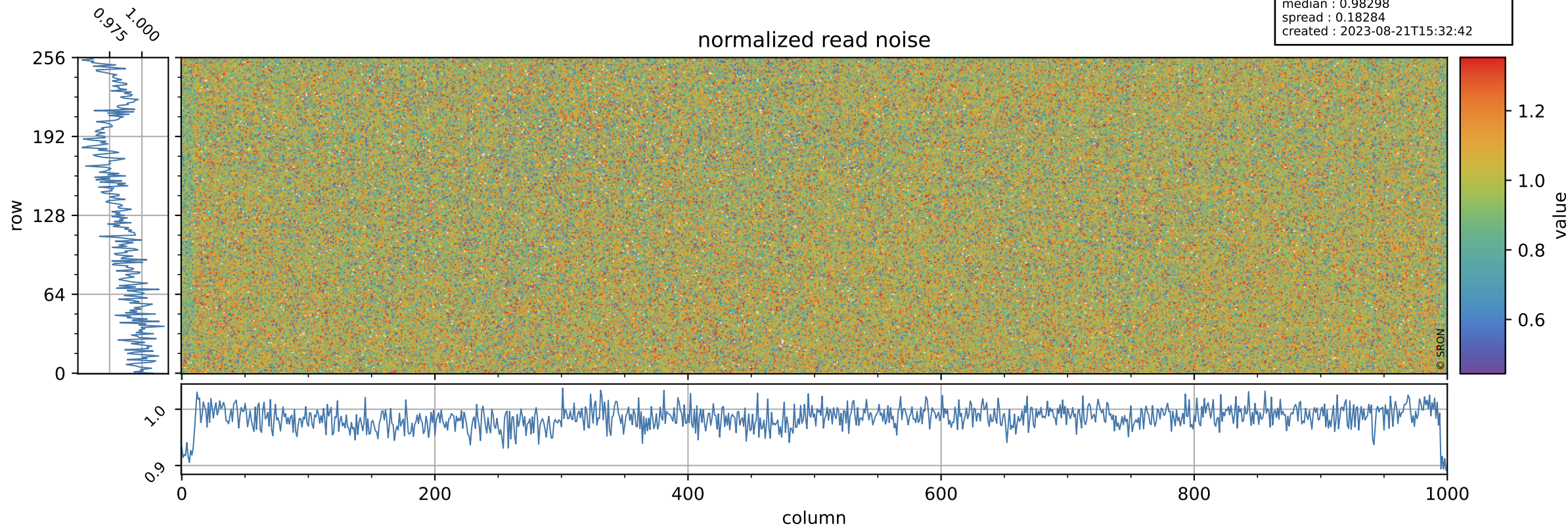
orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
median : 1.129 e  
spread : 0.065346 e  
created : 2023-08-21T15:32:42



# Tropomi SWIR background noise (swir)

orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
median : 0.98298  
spread : 0.18284  
created : 2023-08-21T15:32:42

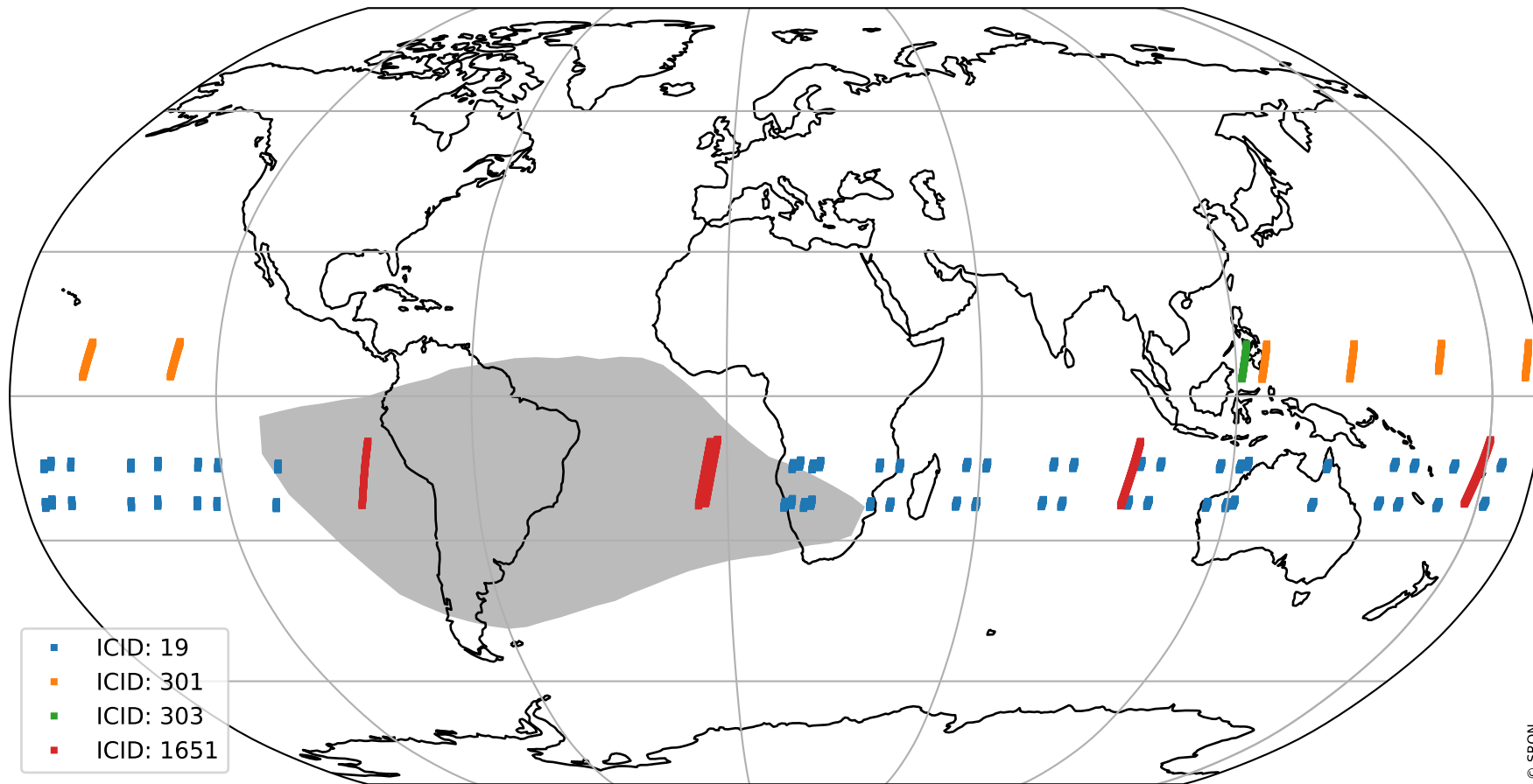
normalized read noise





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

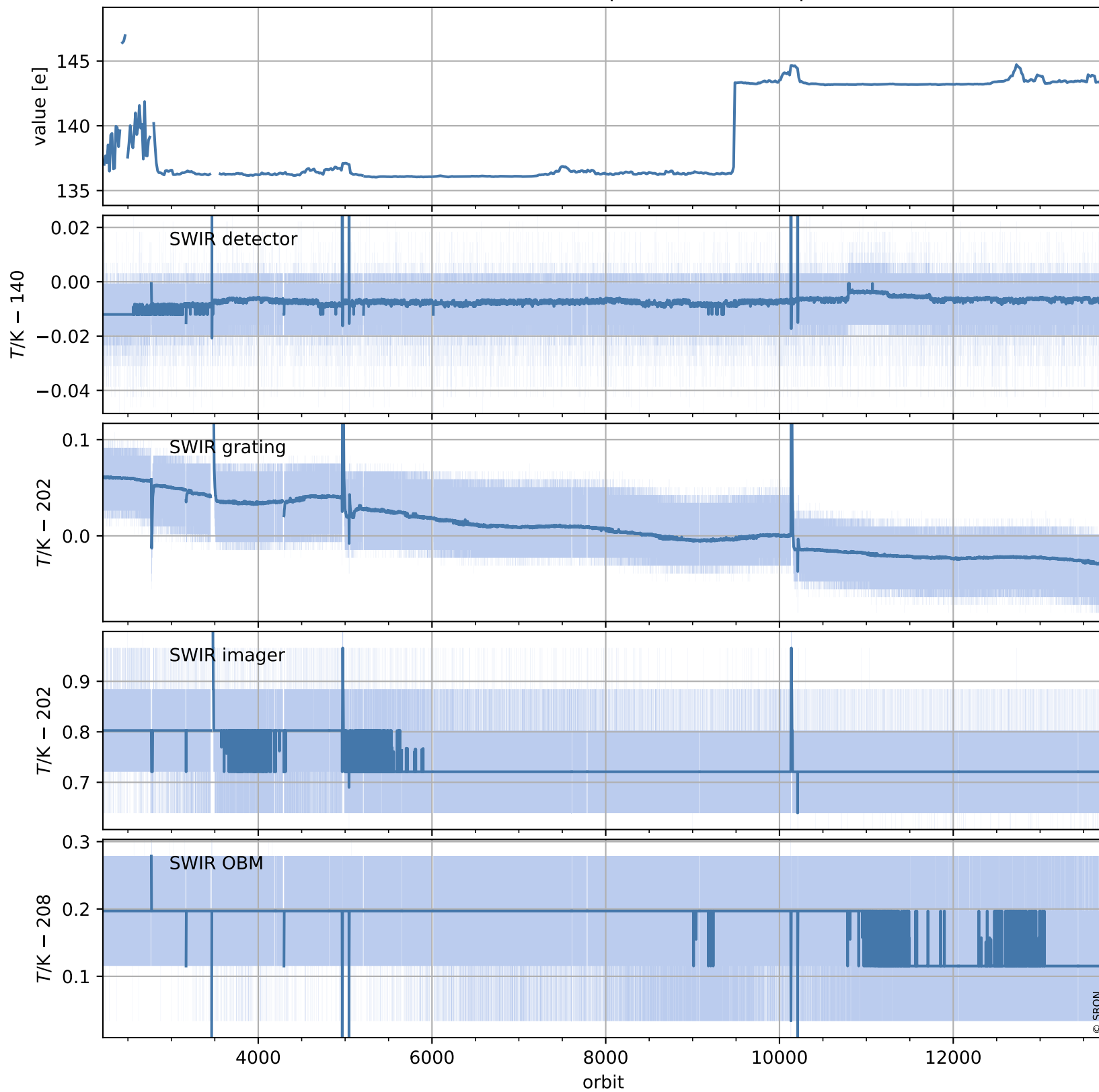
orbits : 12 in [13642, 13732]  
coverage : 2020-06-01 / 2020-06-07  
created : 2023-08-21T15:32:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 13732]  
coverage : 2018-03-18 / 2020-06-07  
created : 2023-08-21T15:32:43

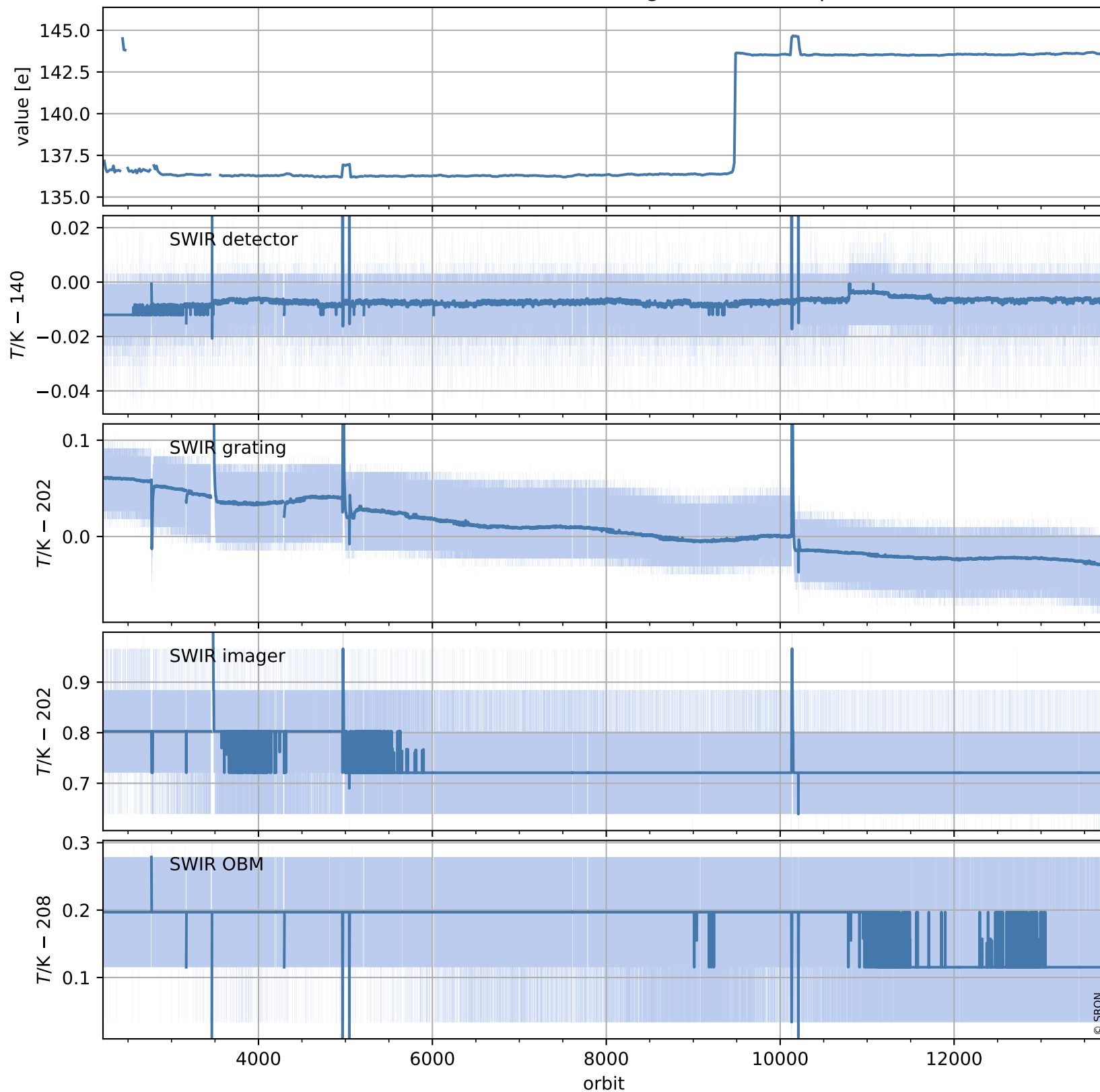
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13732]  
coverage : 2018-03-18 / 2020-06-07  
created : 2023-08-21T15:32:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13732]  
coverage : 2018-03-18 / 2020-06-07  
created : 2023-08-21T15:32:44

## trend of normalized read-noise & temperatures

