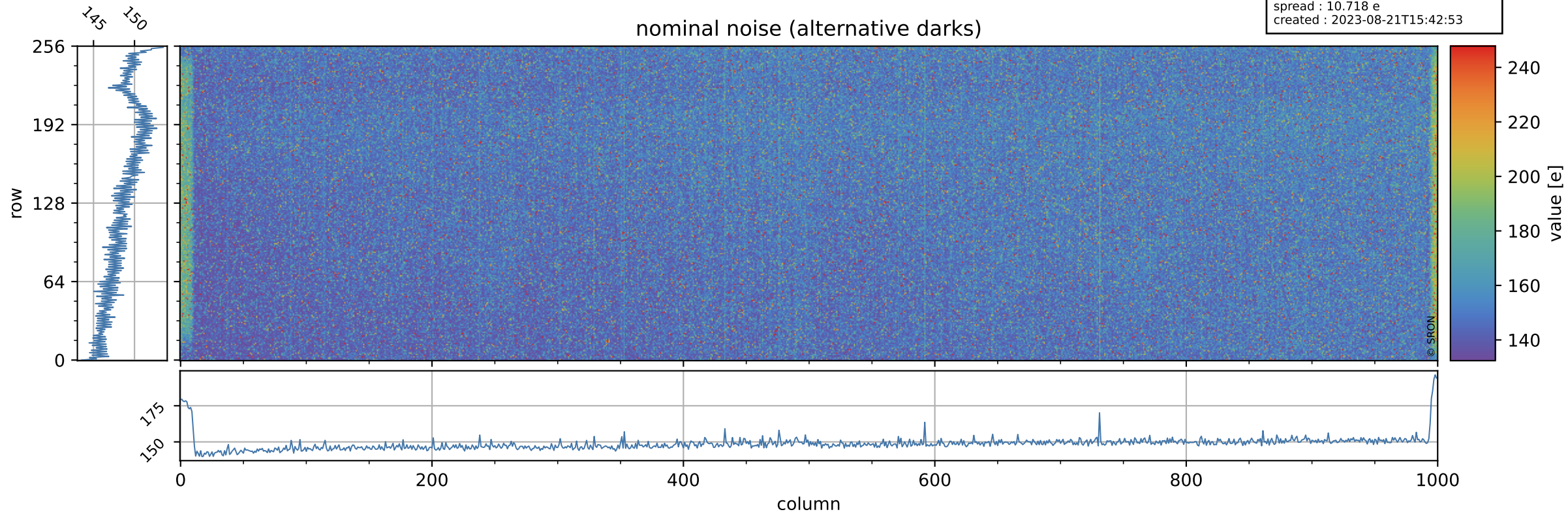


# Tropomi SWIR background noise (swir)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.55 e  
spread : 10.718 e  
created : 2023-08-21T15:42:53

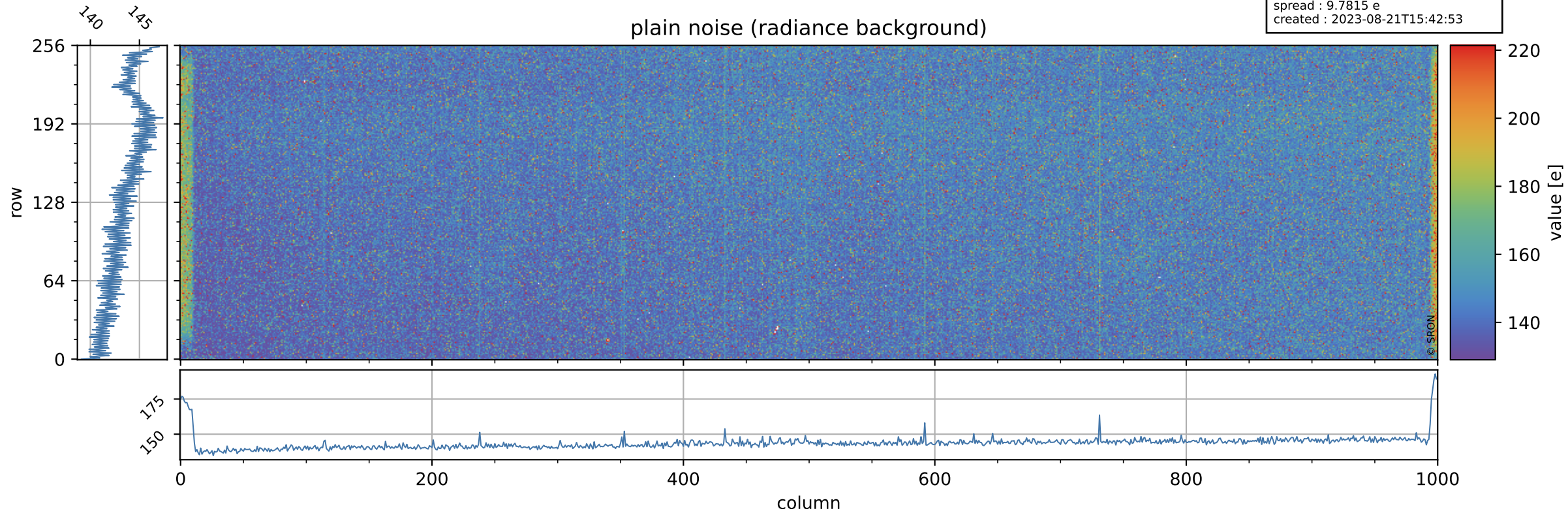
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7815 e  
created : 2023-08-21T15:42:53

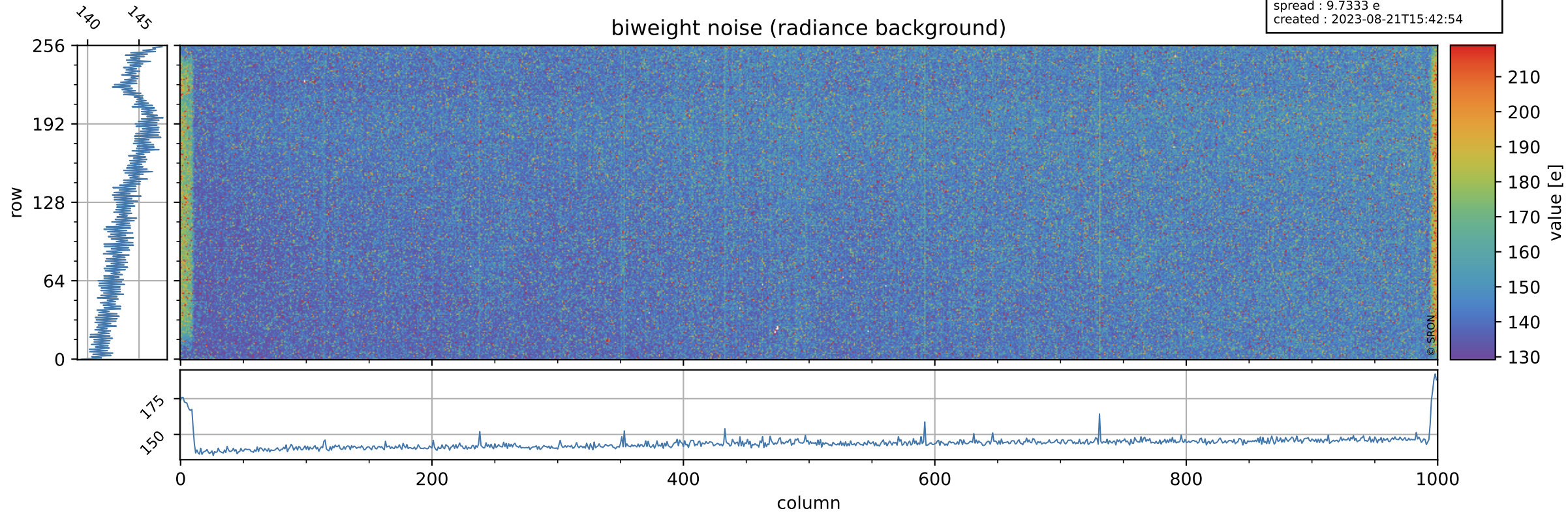
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.7333 e  
created : 2023-08-21T15:42:54

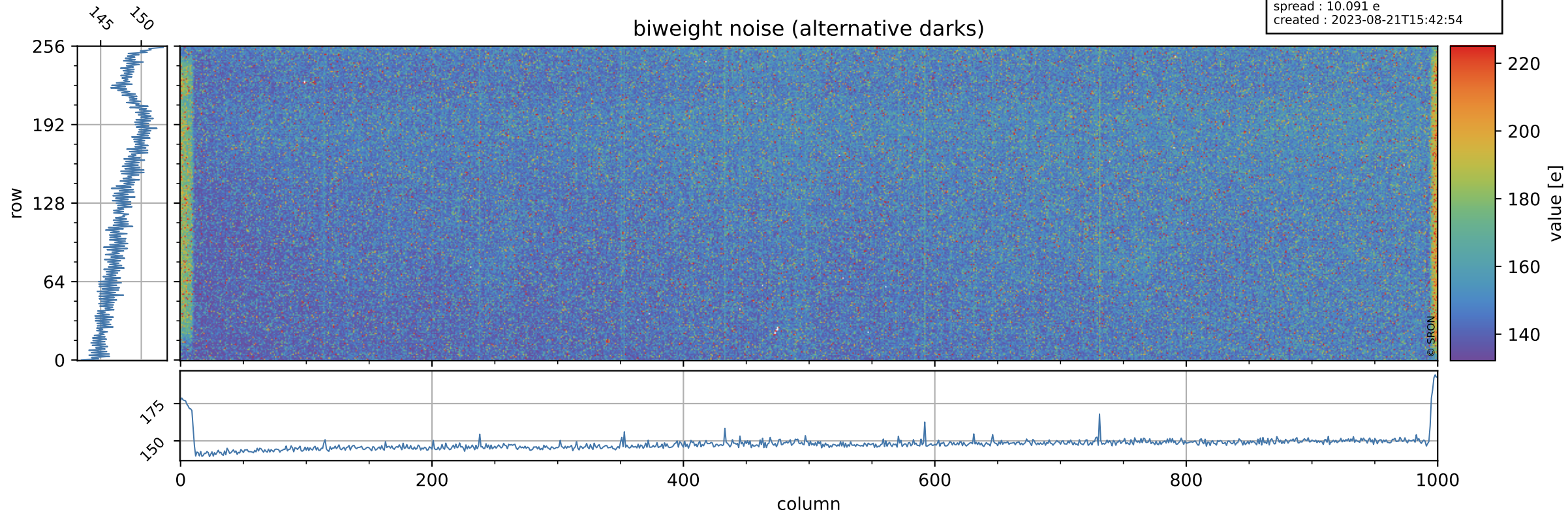
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.69 e  
spread : 10.091 e  
created : 2023-08-21T15:42:54

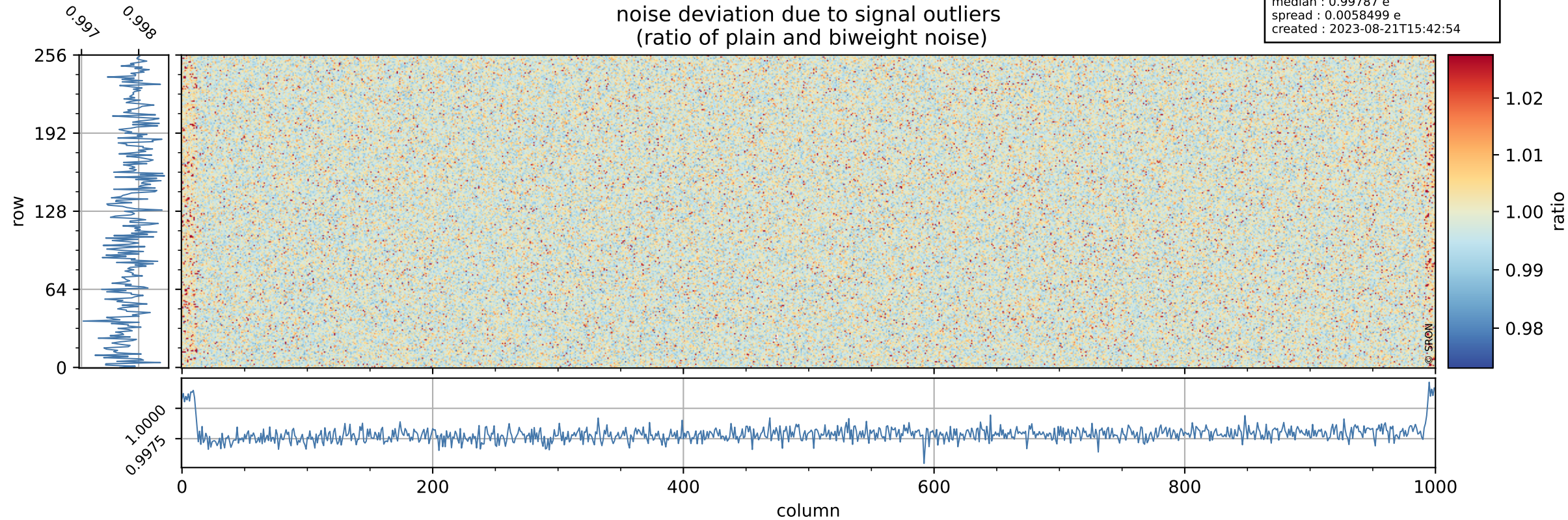
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

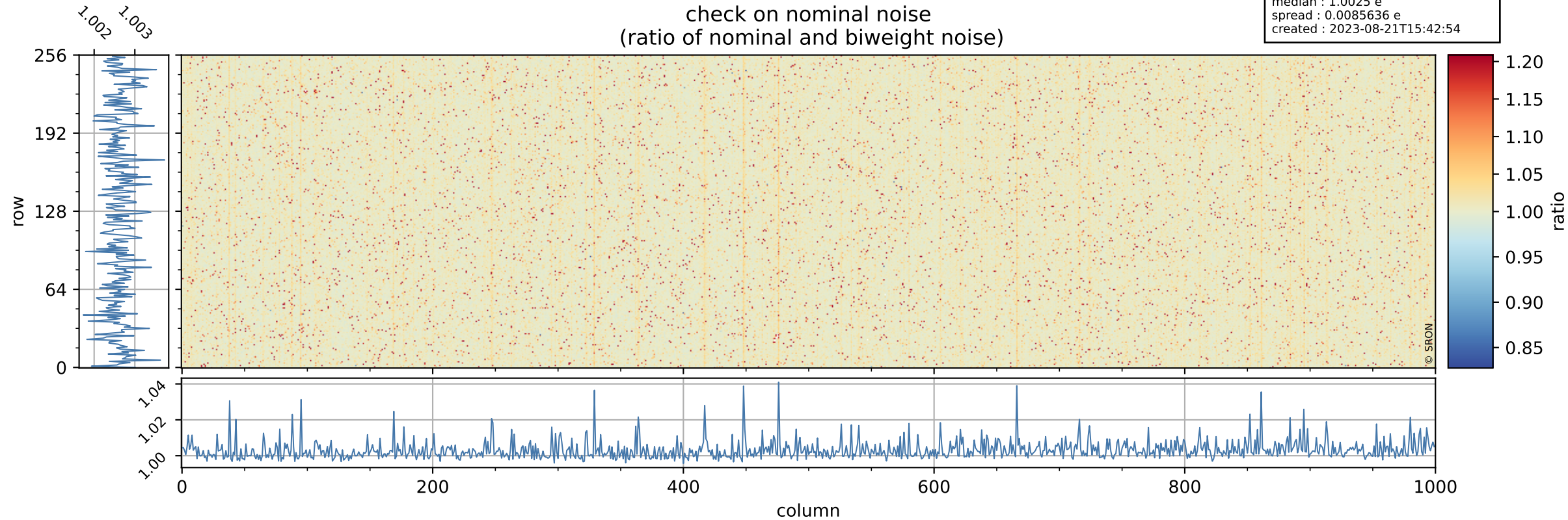
orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
median : 0.99787 e  
spread : 0.0058499 e  
created : 2023-08-21T15:42:54



# Tropomi SWIR background noise (swir)

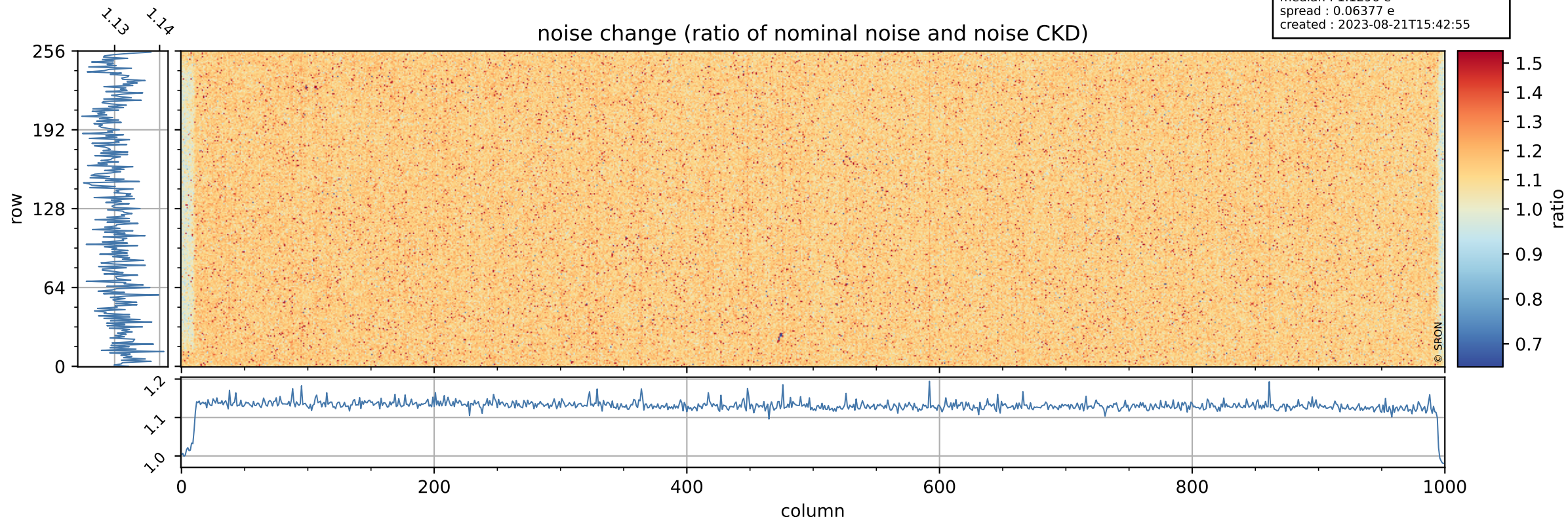
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
median : 1.0025 e  
spread : 0.0085636 e  
created : 2023-08-21T15:42:54



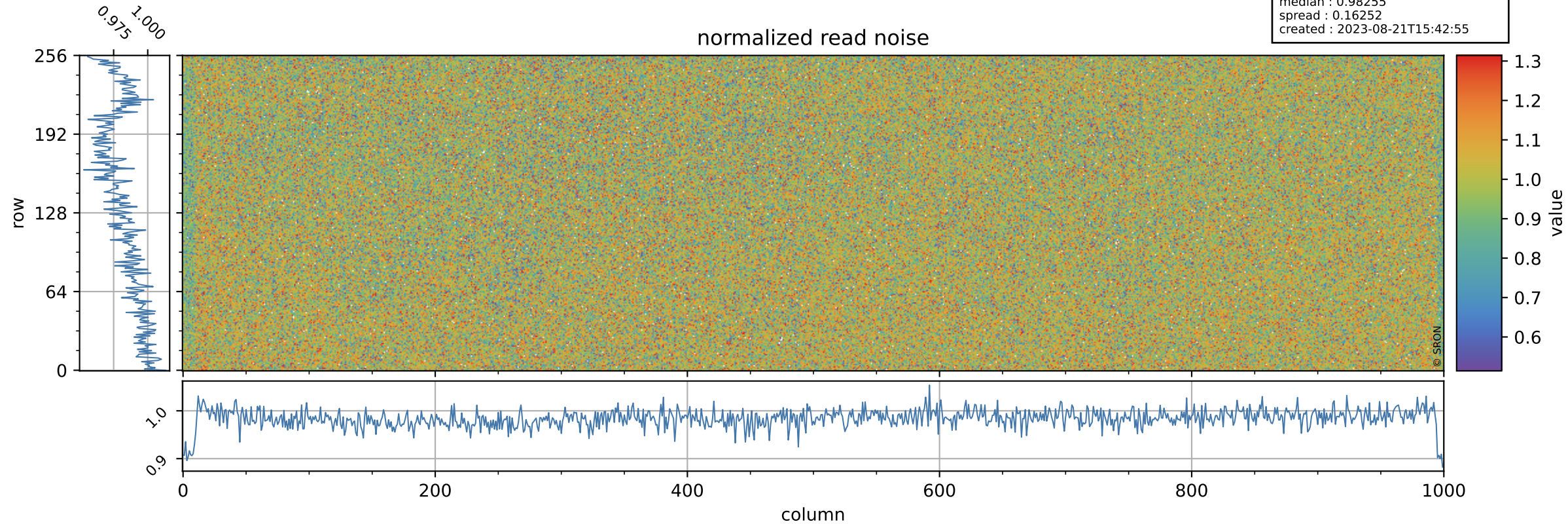
# Tropomi SWIR background noise (swir)

orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
median : 1.1296 e  
spread : 0.06377 e  
created : 2023-08-21T15:42:55



# Tropomi SWIR background noise (swir)

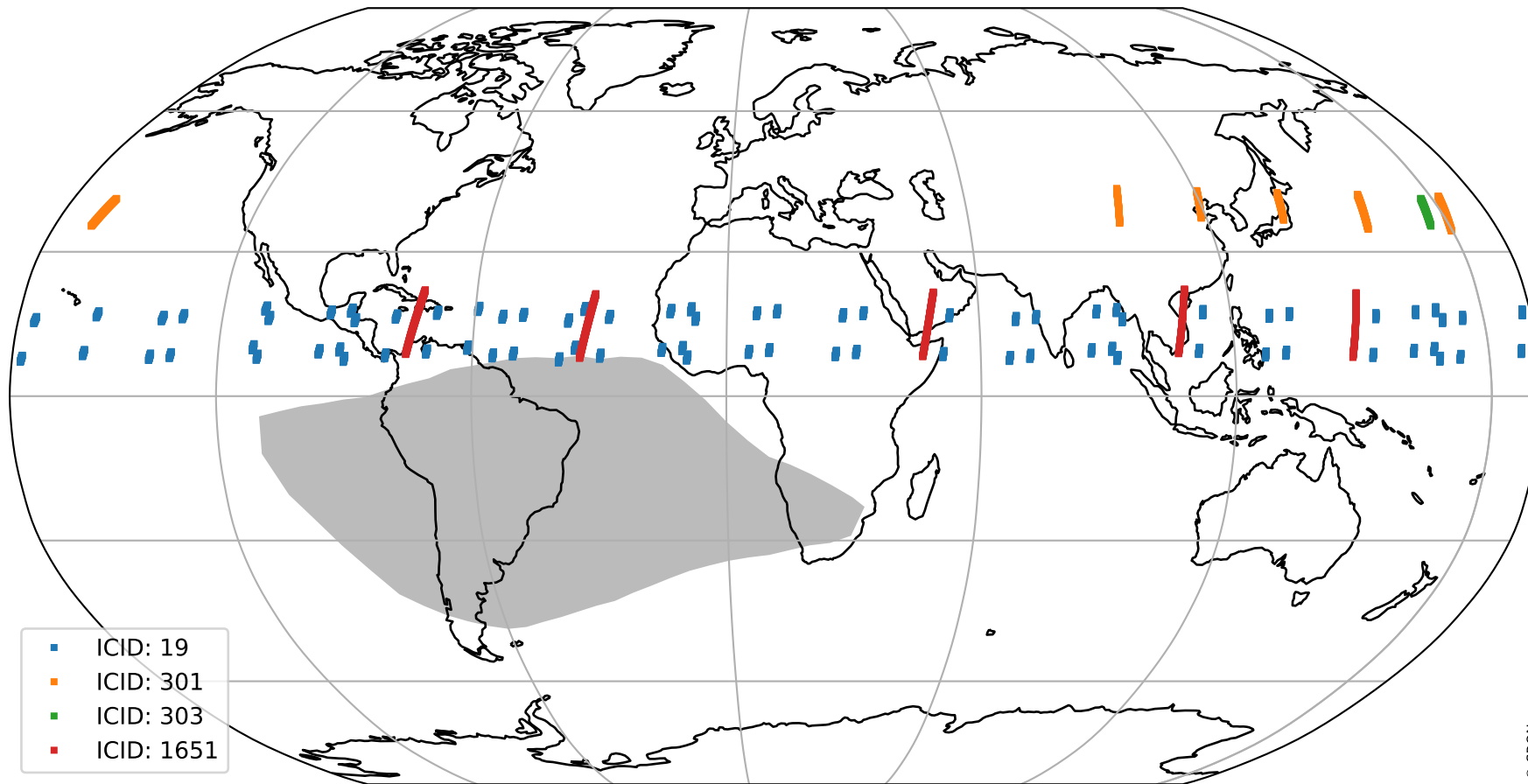
orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
median : 0.98255  
spread : 0.16252  
created : 2023-08-21T15:42:55





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

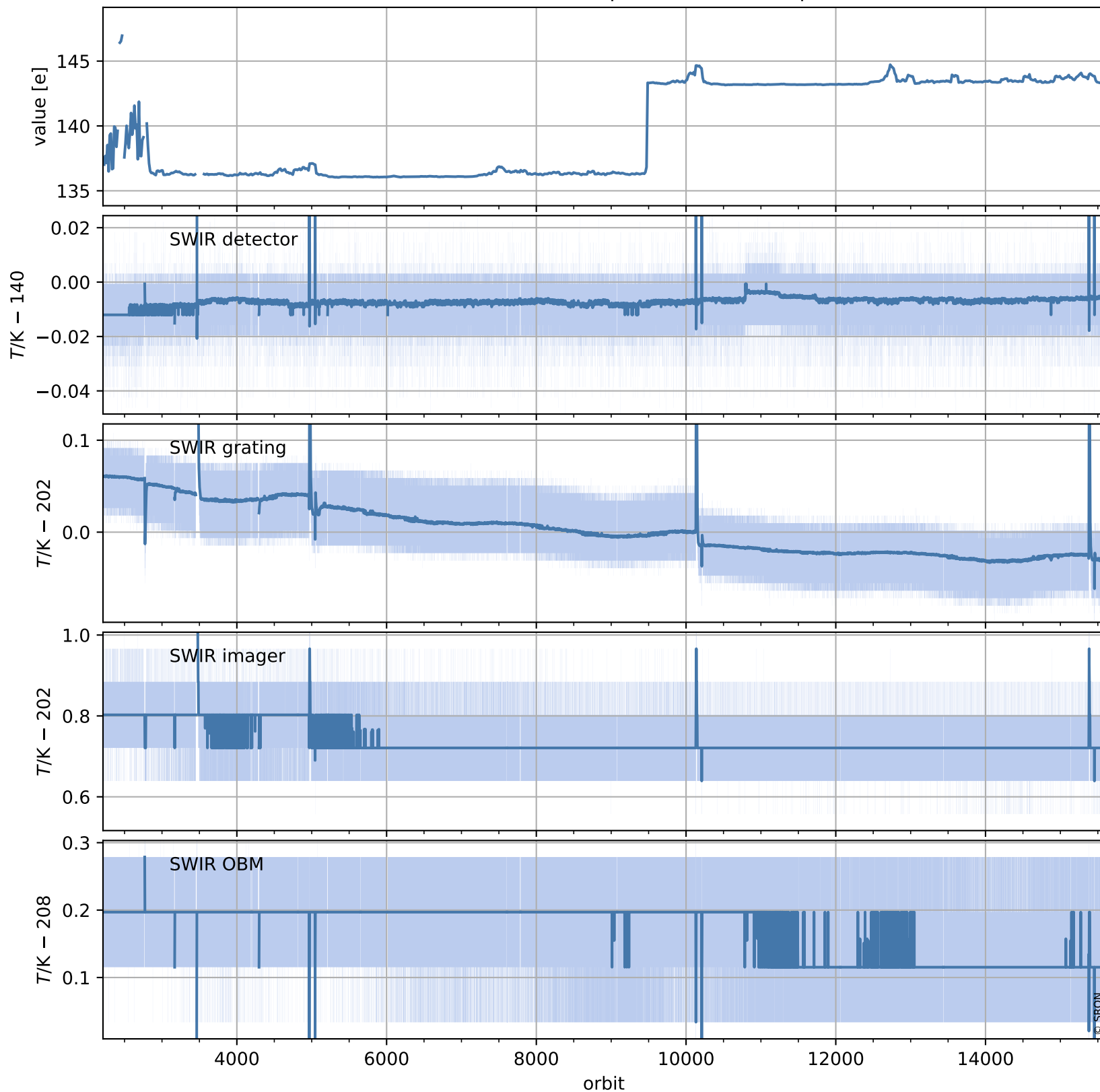
orbits : 12 in [15517, 15592]  
coverage : 2020-10-10 / 2020-10-15  
created : 2023-08-21T15:42:55



# Tropomi SWIR background noise (swir)

orbits : [2212, 15592]  
coverage : 2018-03-18 / 2020-10-15  
created : 2023-08-21T15:42:56

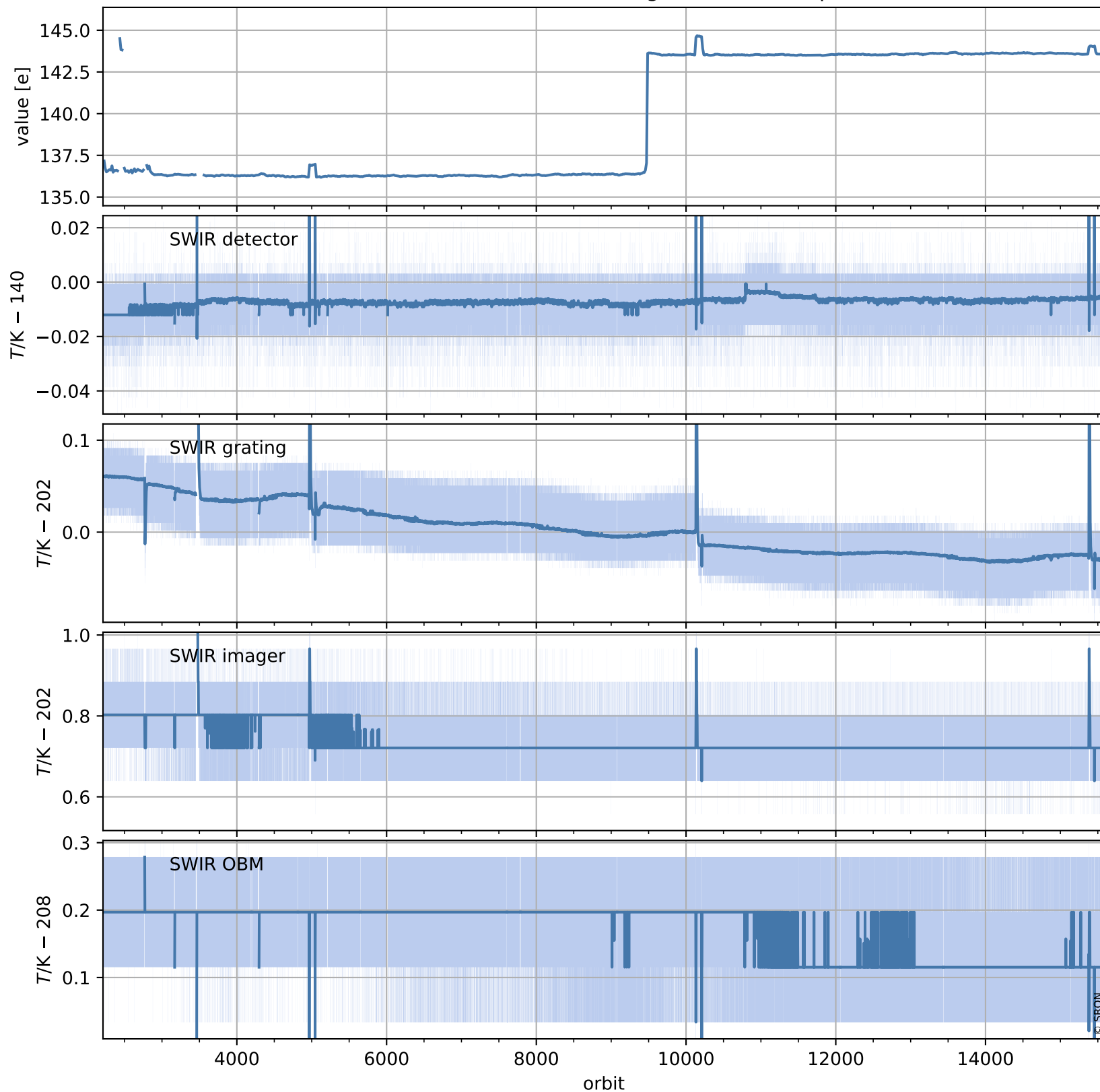
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15592]  
coverage : 2018-03-18 / 2020-10-15  
created : 2023-08-21T15:42:56

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15592]  
coverage : 2018-03-18 / 2020-10-15  
created : 2023-08-21T15:42:57

## trend of normalized read-noise & temperatures

