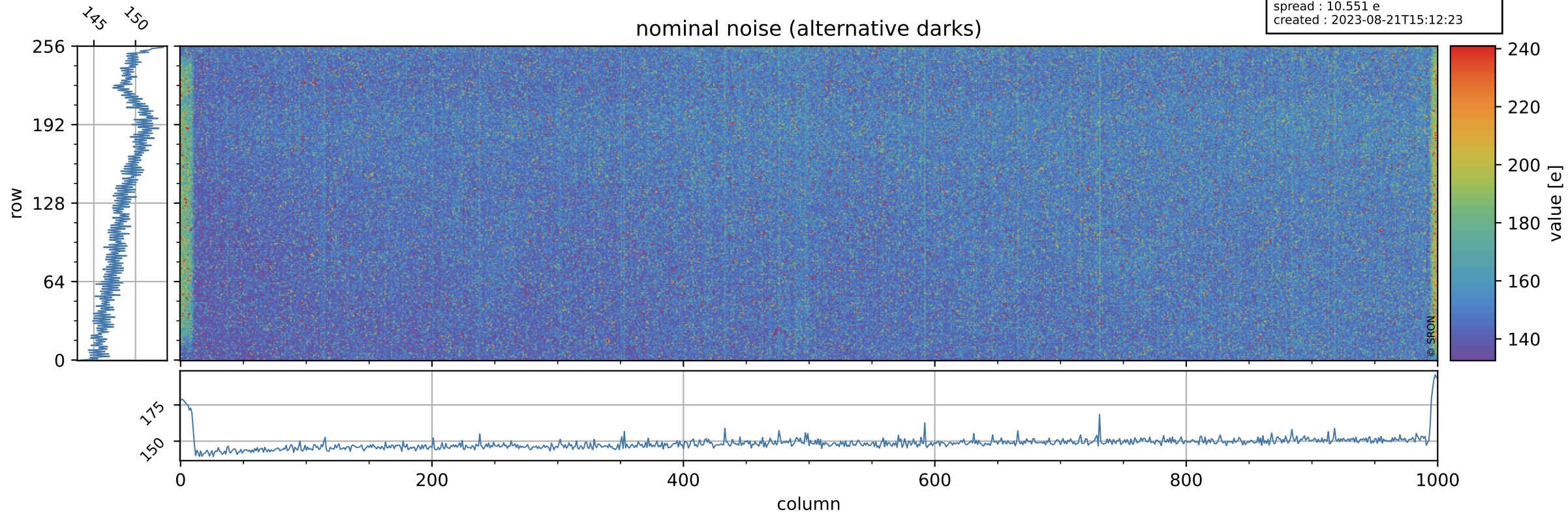


# Tropomi SWIR background noise (swir)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.551 e  
created : 2023-08-21T15:12:23

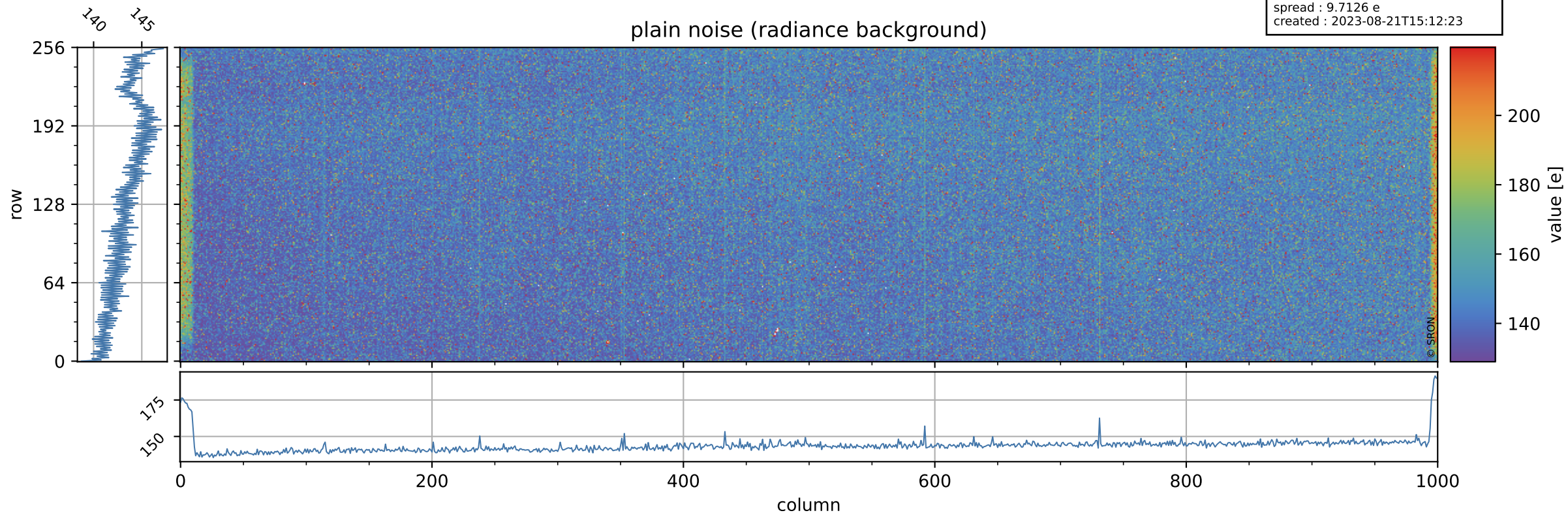
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7126 e  
created : 2023-08-21T15:12:23

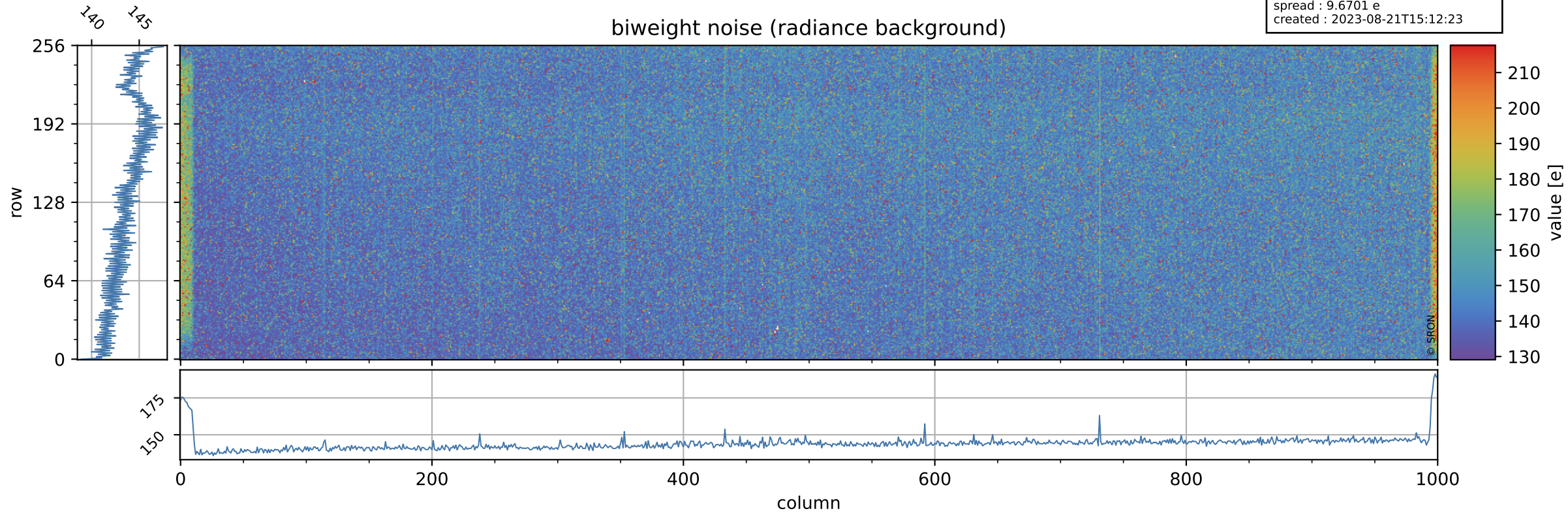
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.6701 e  
created : 2023-08-21T15:12:23

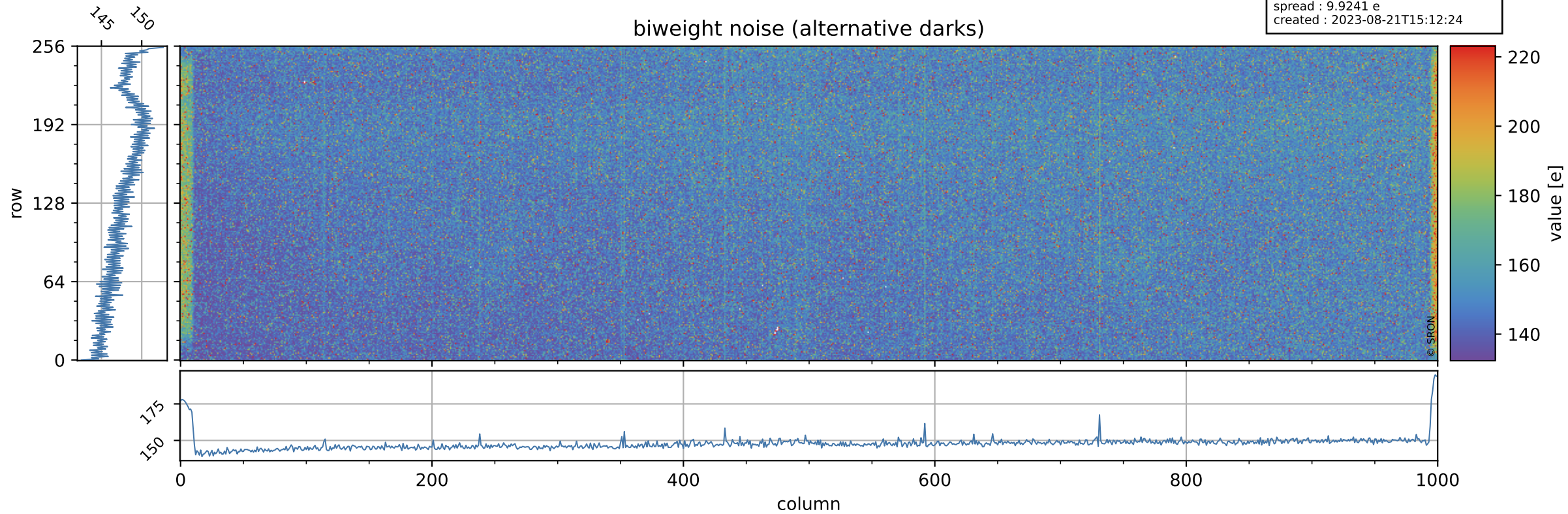
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 9.9241 e  
created : 2023-08-21T15:12:24

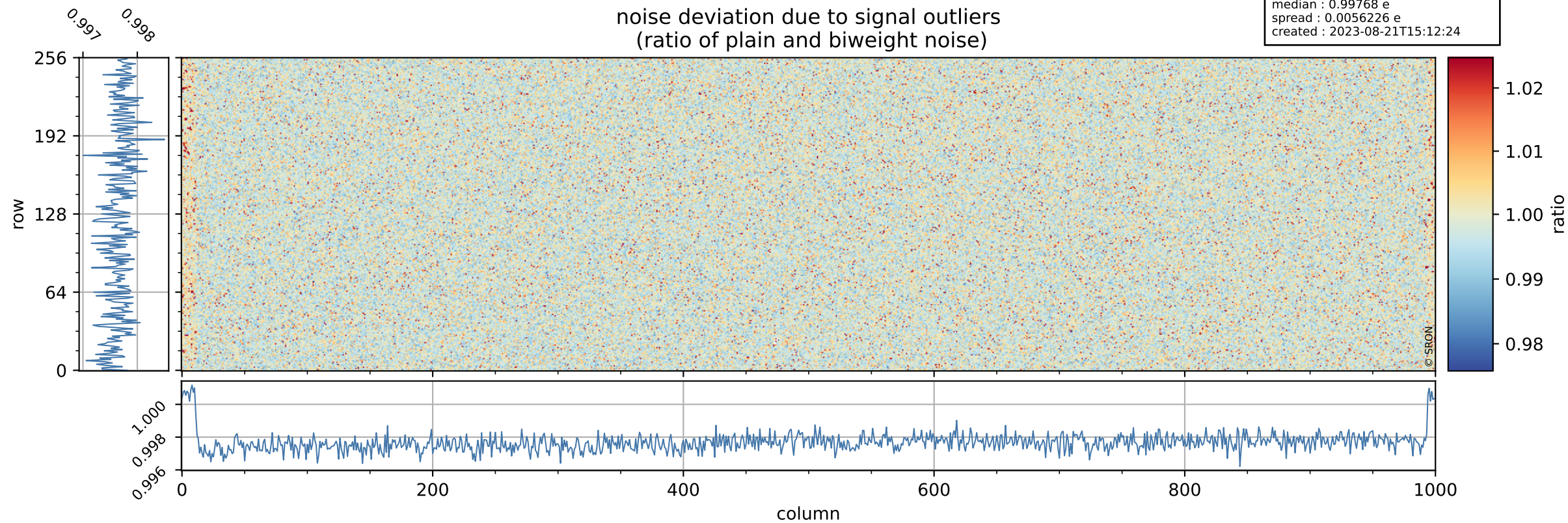
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

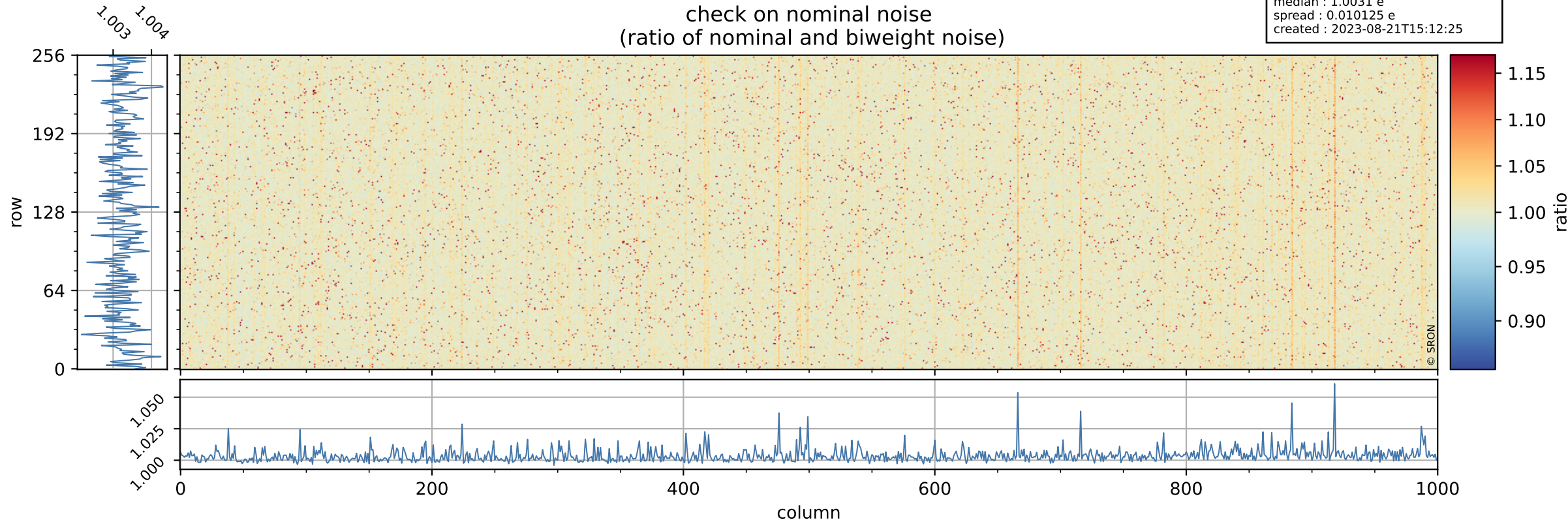
orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
median : 0.99768 e  
spread : 0.0056226 e  
created : 2023-08-21T15:12:24



# Tropomi SWIR background noise (swir)

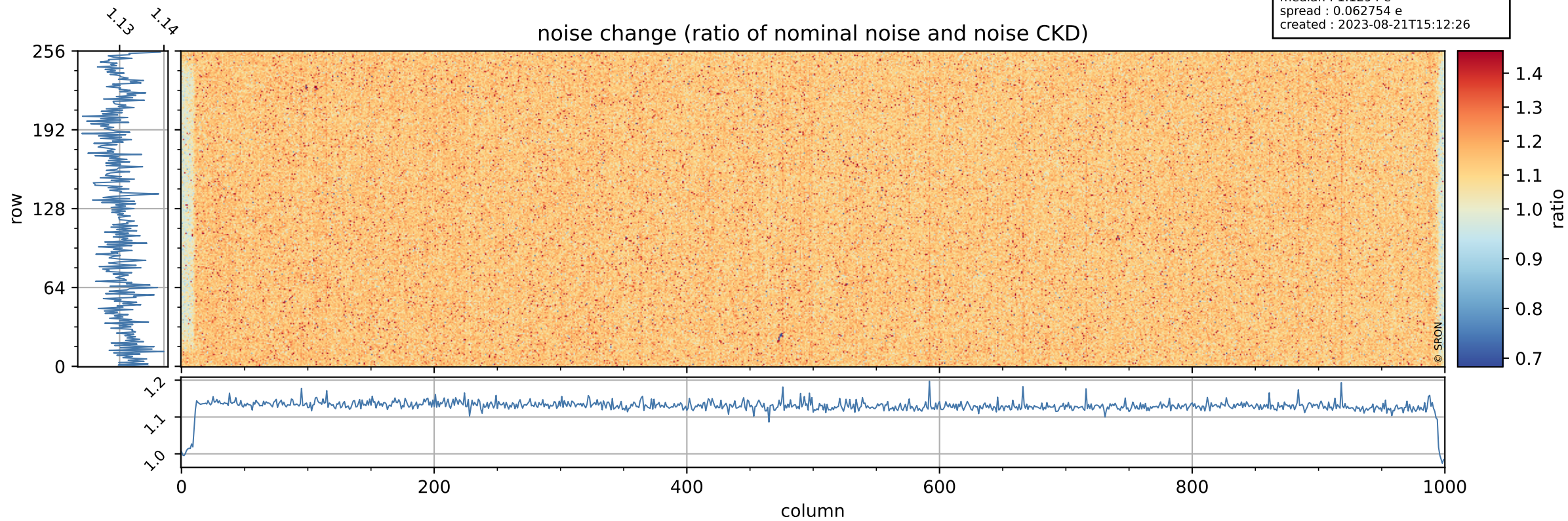
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
median : 1.0031 e  
spread : 0.010125 e  
created : 2023-08-21T15:12:25



# Tropomi SWIR background noise (swir)

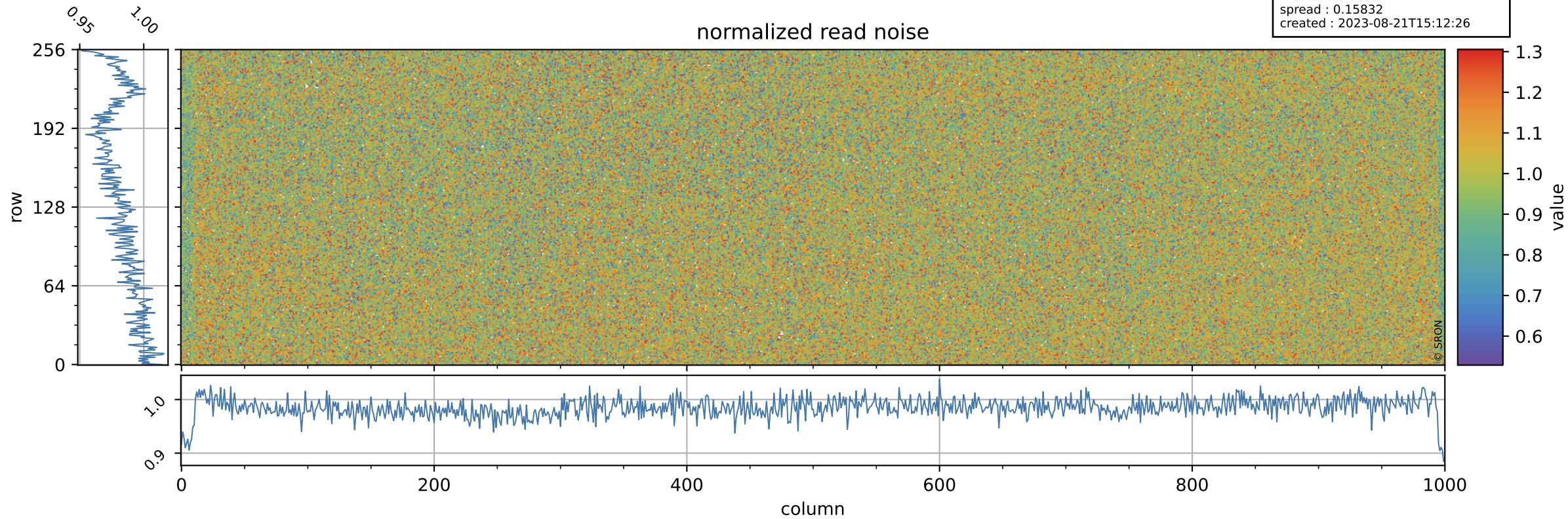
orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
median : 1.1294 e  
spread : 0.062754 e  
created : 2023-08-21T15:12:26



# Tropomi SWIR background noise (swir)

orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
median : 0.98302  
spread : 0.15832  
created : 2023-08-21T15:12:26

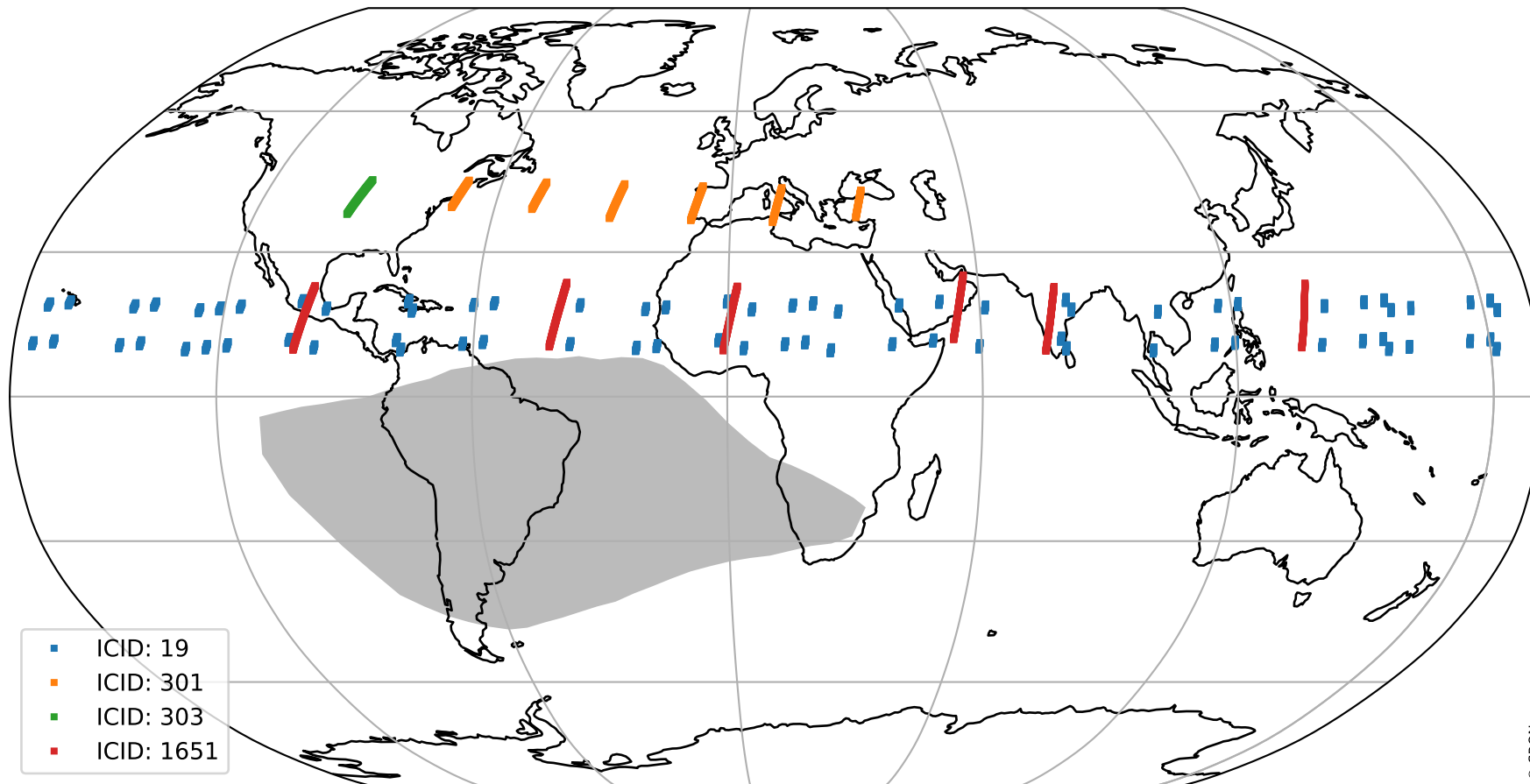
## normalized read noise





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

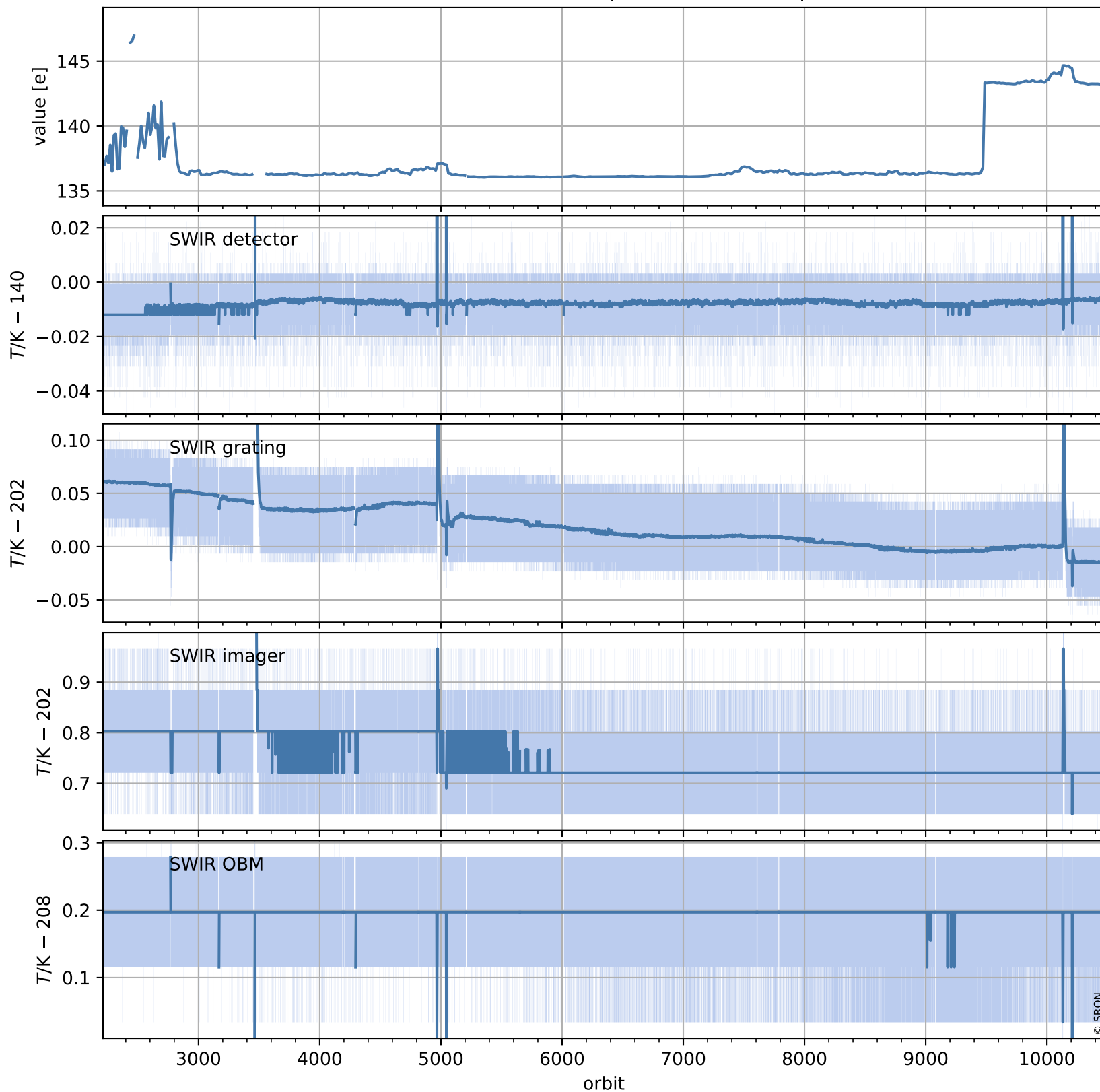
orbits : 13 in [10387, 10477]  
coverage : 2019-10-15 / 2019-10-21  
created : 2023-08-21T15:12:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 10477]  
coverage : 2018-03-18 / 2019-10-21  
created : 2023-08-21T15:12:26

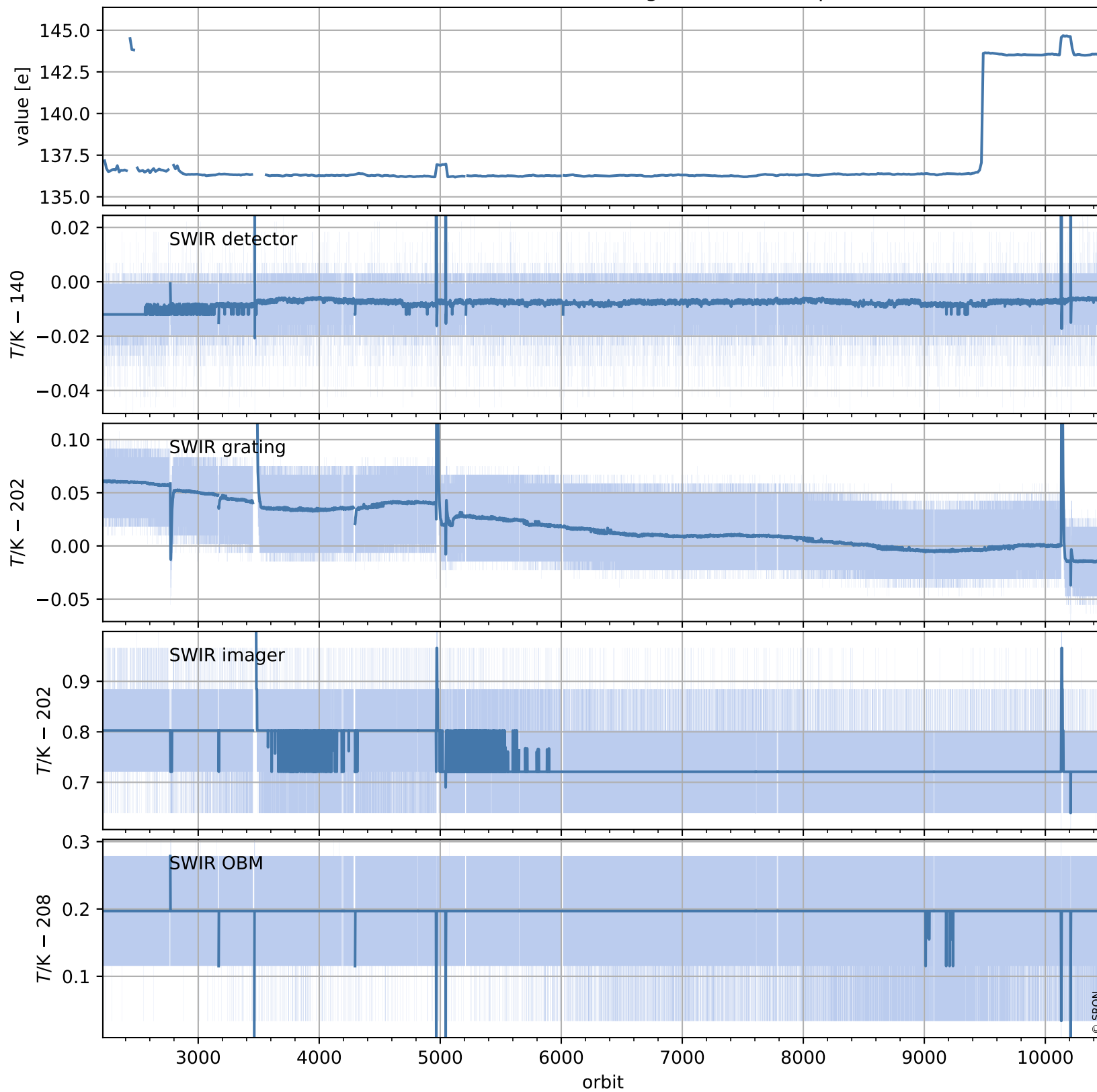
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10477]  
coverage : 2018-03-18 / 2019-10-21  
created : 2023-08-21T15:12:27

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10477]  
coverage : 2018-03-18 / 2019-10-21  
created : 2023-08-21T15:12:28

## trend of normalized read-noise & temperatures

