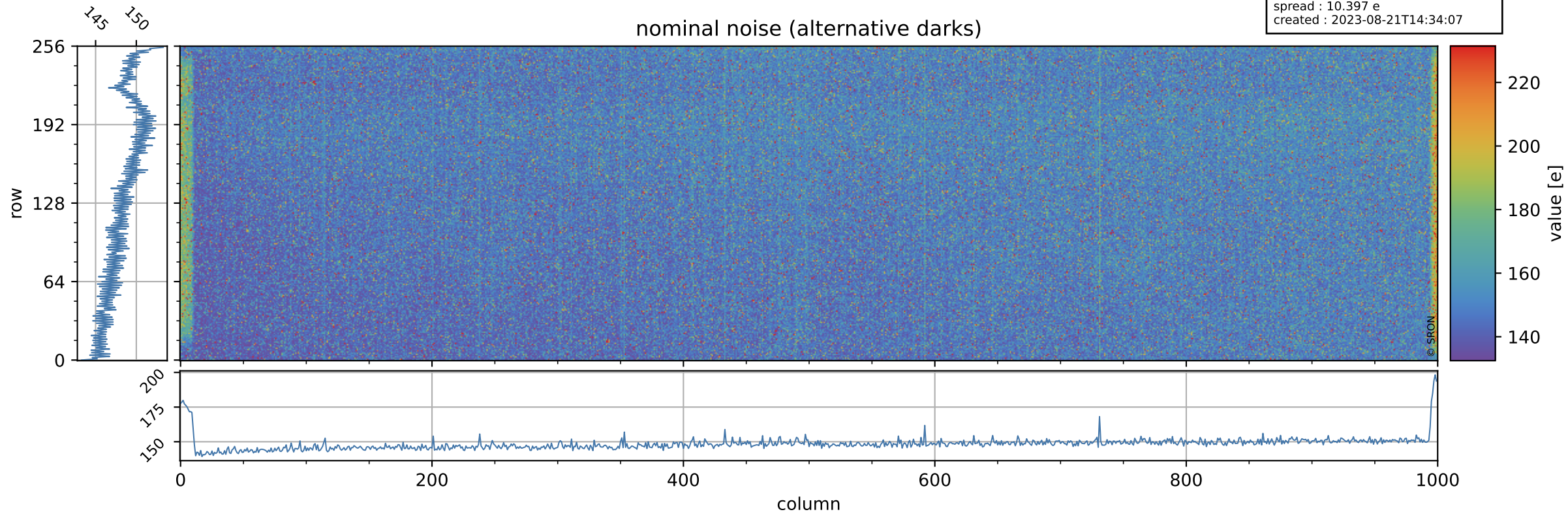


# Tropomi SWIR background noise (swir)

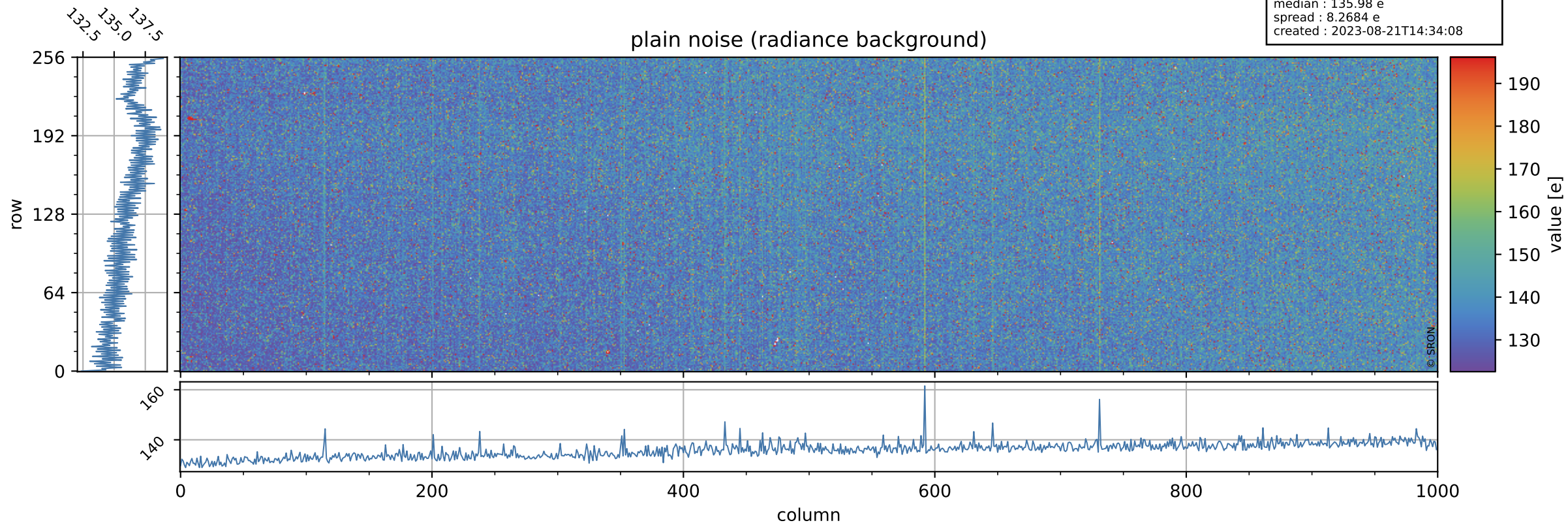
orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.31 e  
spread : 10.397 e  
created : 2023-08-21T14:34:07



# Tropomi SWIR background noise (swir)

orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
n\_coad, t\_exp : 2, 0.5383  
median : 135.98 e  
spread : 8.2684 e  
created : 2023-08-21T14:34:08

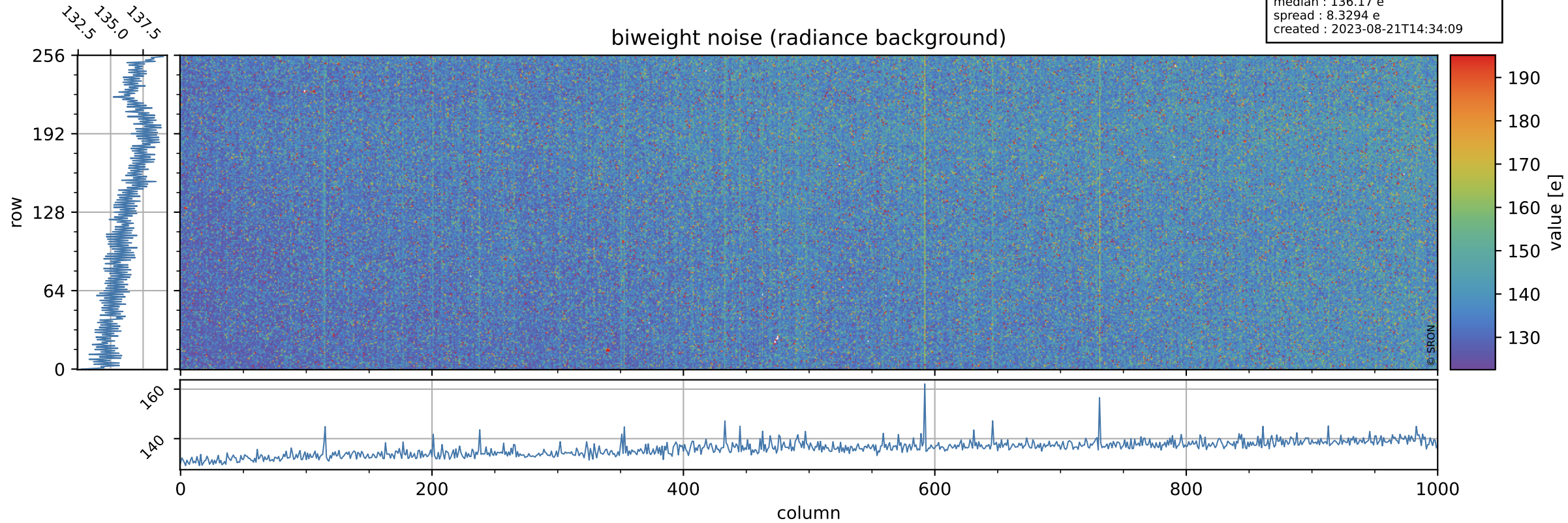
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.3294 e  
created : 2023-08-21T14:34:09

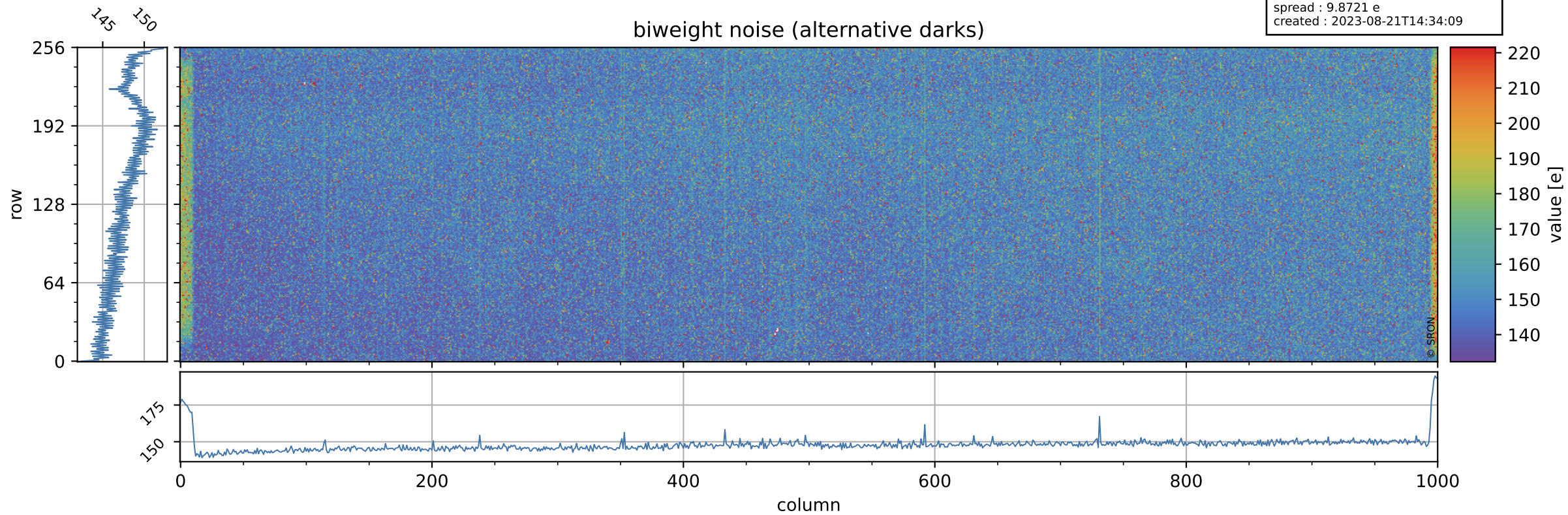
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.8721 e  
created : 2023-08-21T14:34:09

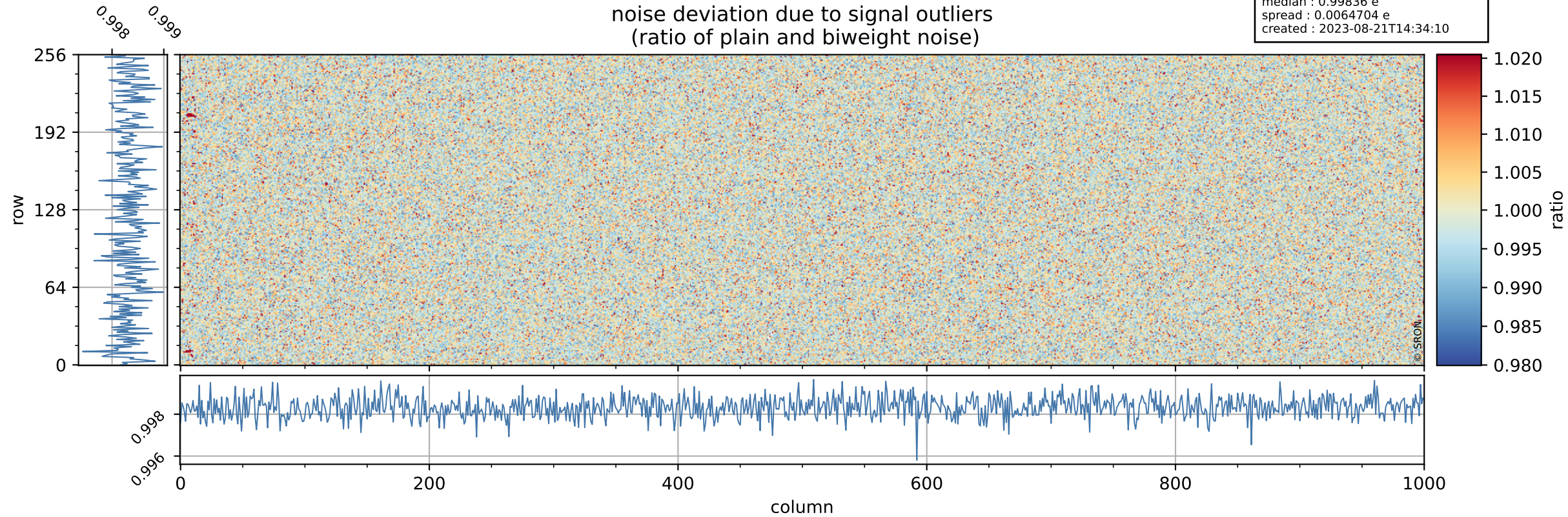
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

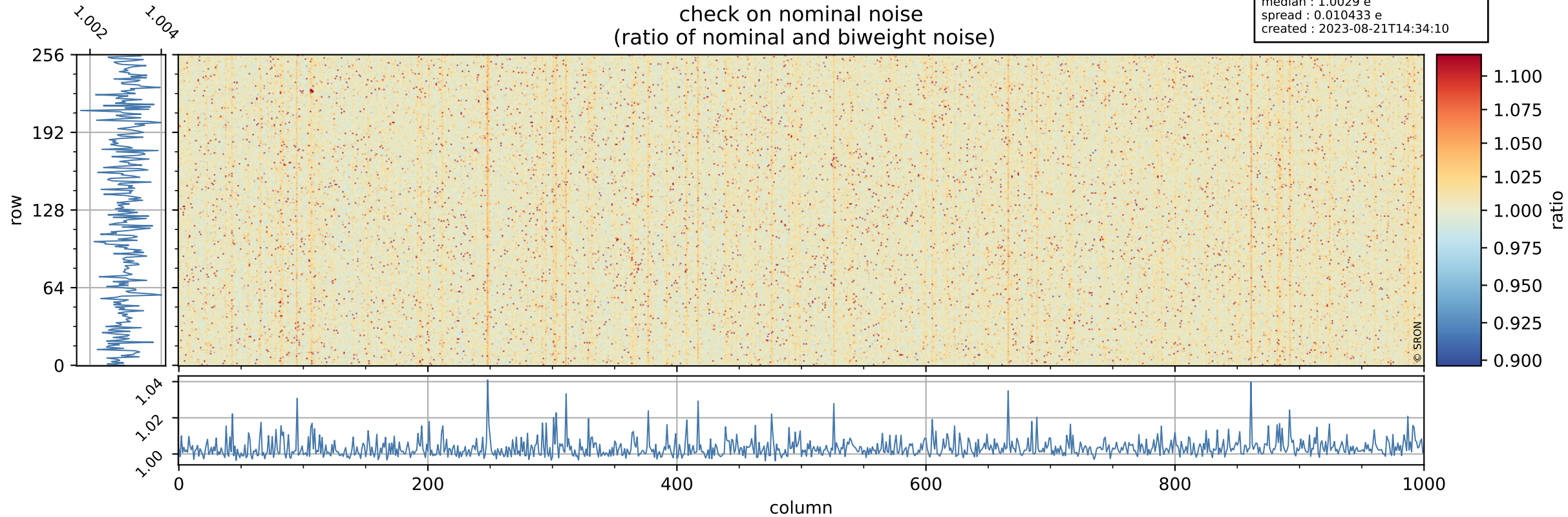
orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
median : 0.99836 e  
spread : 0.0064704 e  
created : 2023-08-21T14:34:10



# Tropomi SWIR background noise (swir)

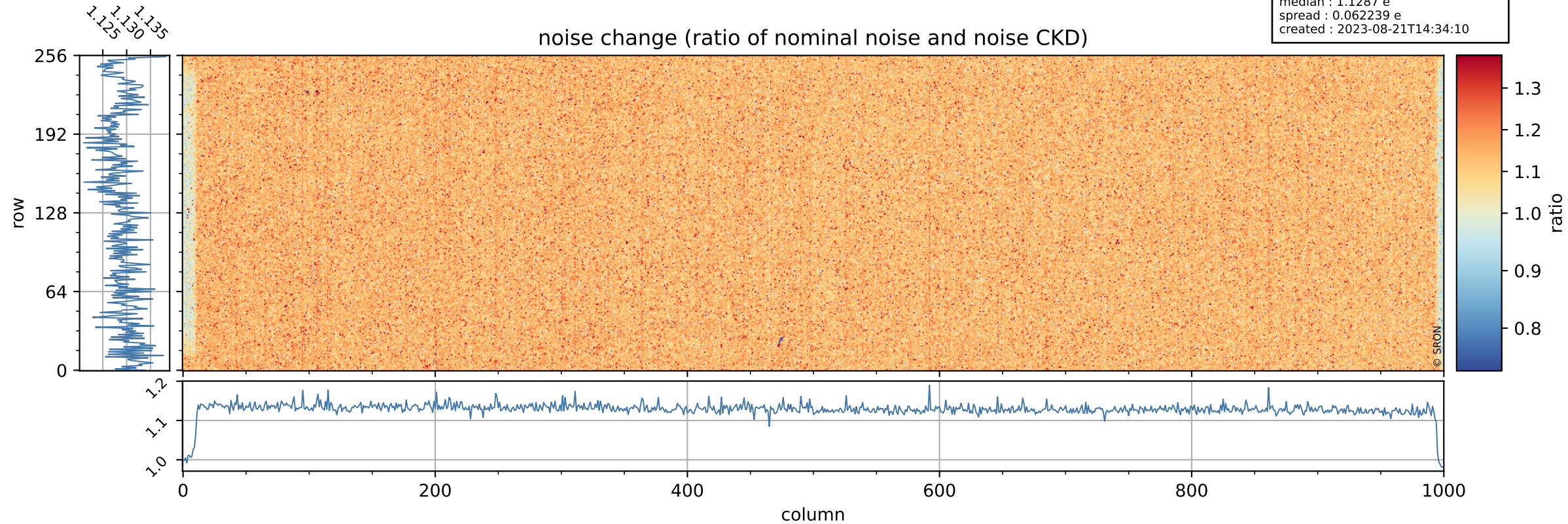
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
median : 1.0029 e  
spread : 0.010433 e  
created : 2023-08-21T14:34:10



# Tropomi SWIR background noise (swir)

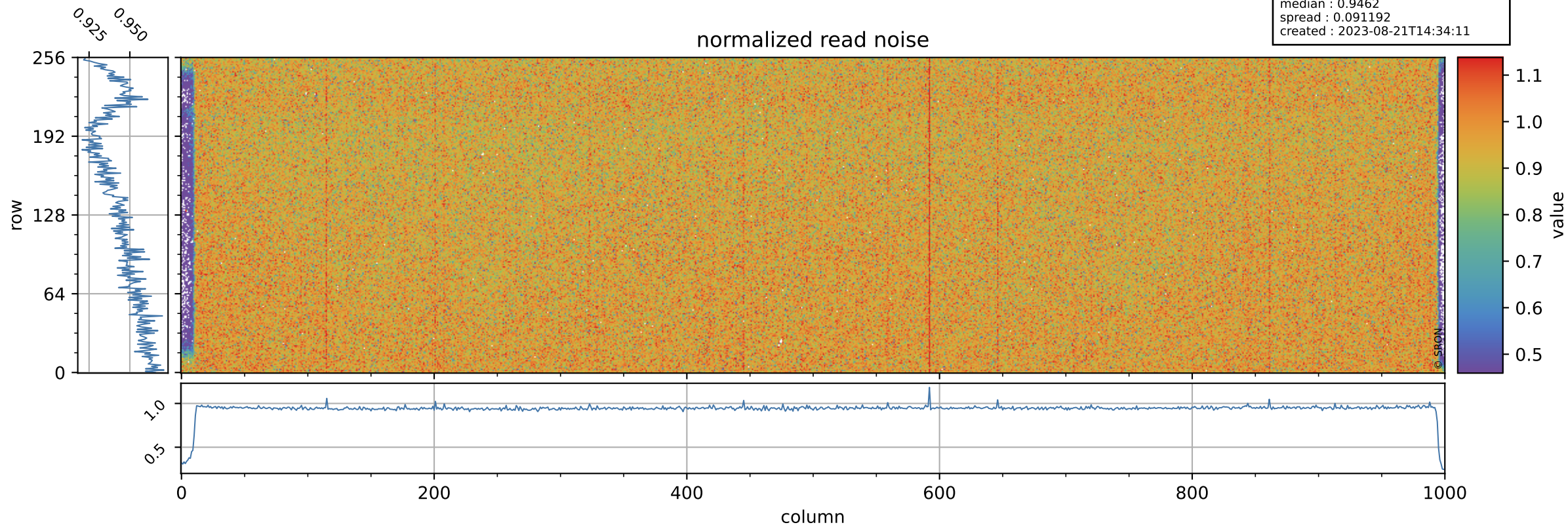
orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
median : 1.1287 e  
spread : 0.062239 e  
created : 2023-08-21T14:34:10



# Tropomi SWIR background noise (swir)

orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
median : 0.9462  
spread : 0.091192  
created : 2023-08-21T14:34:11

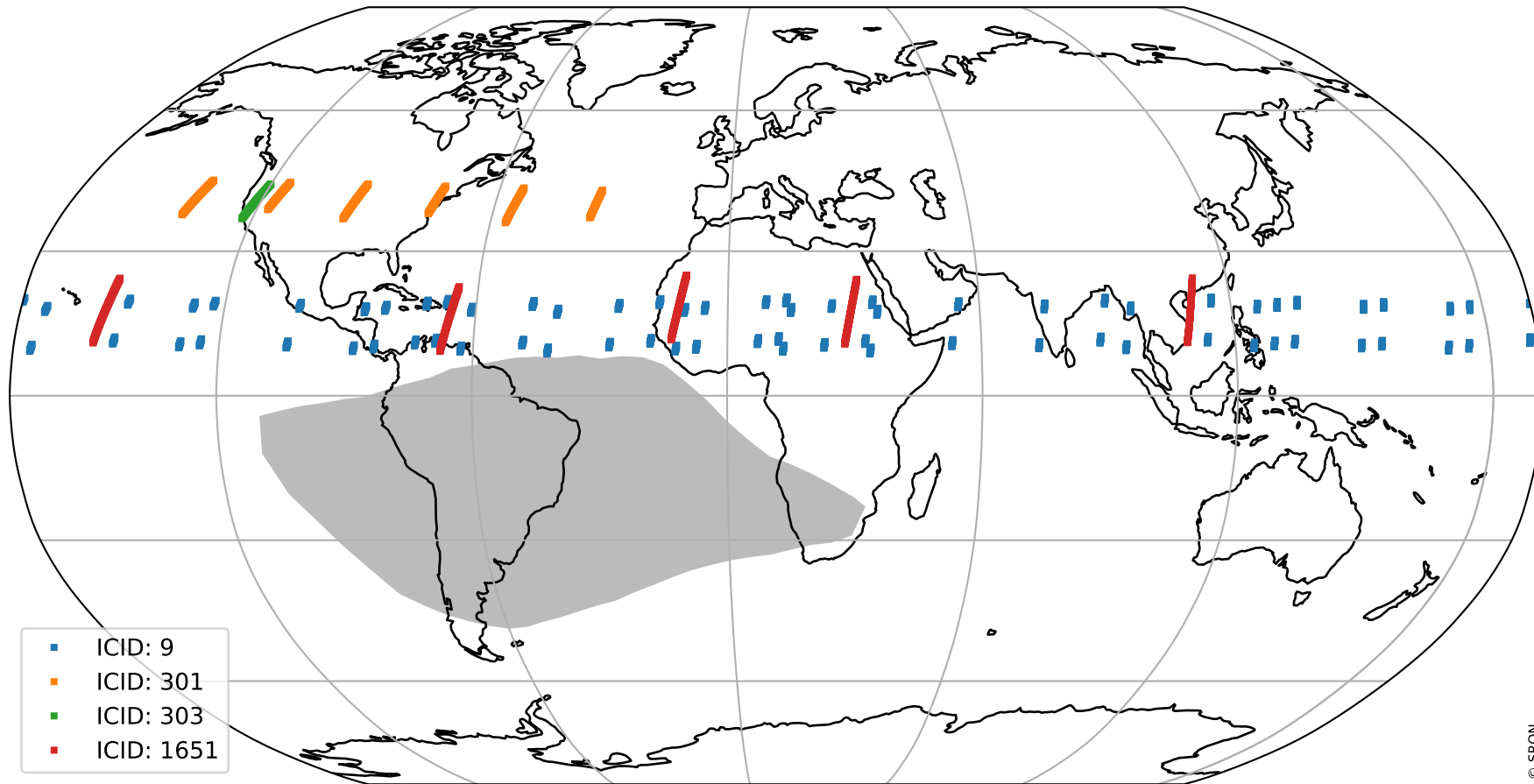
## normalized read noise





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

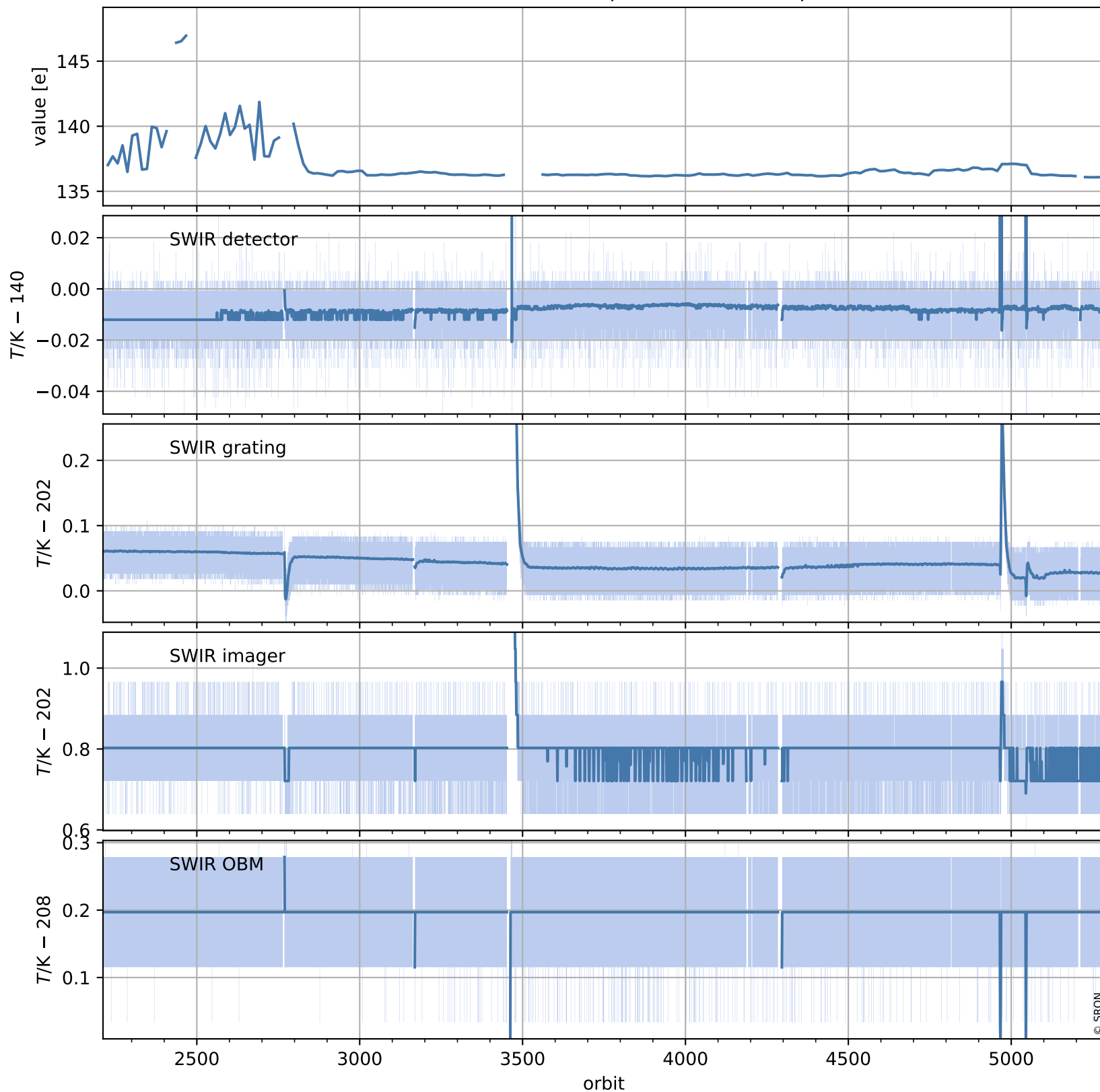
orbits : 12 in [5197, 5287]  
coverage : 2018-10-15 / 2018-10-21  
created : 2023-08-21T14:34:11



# Tropomi SWIR background noise (swir)

orbits : [2212, 5287]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:12

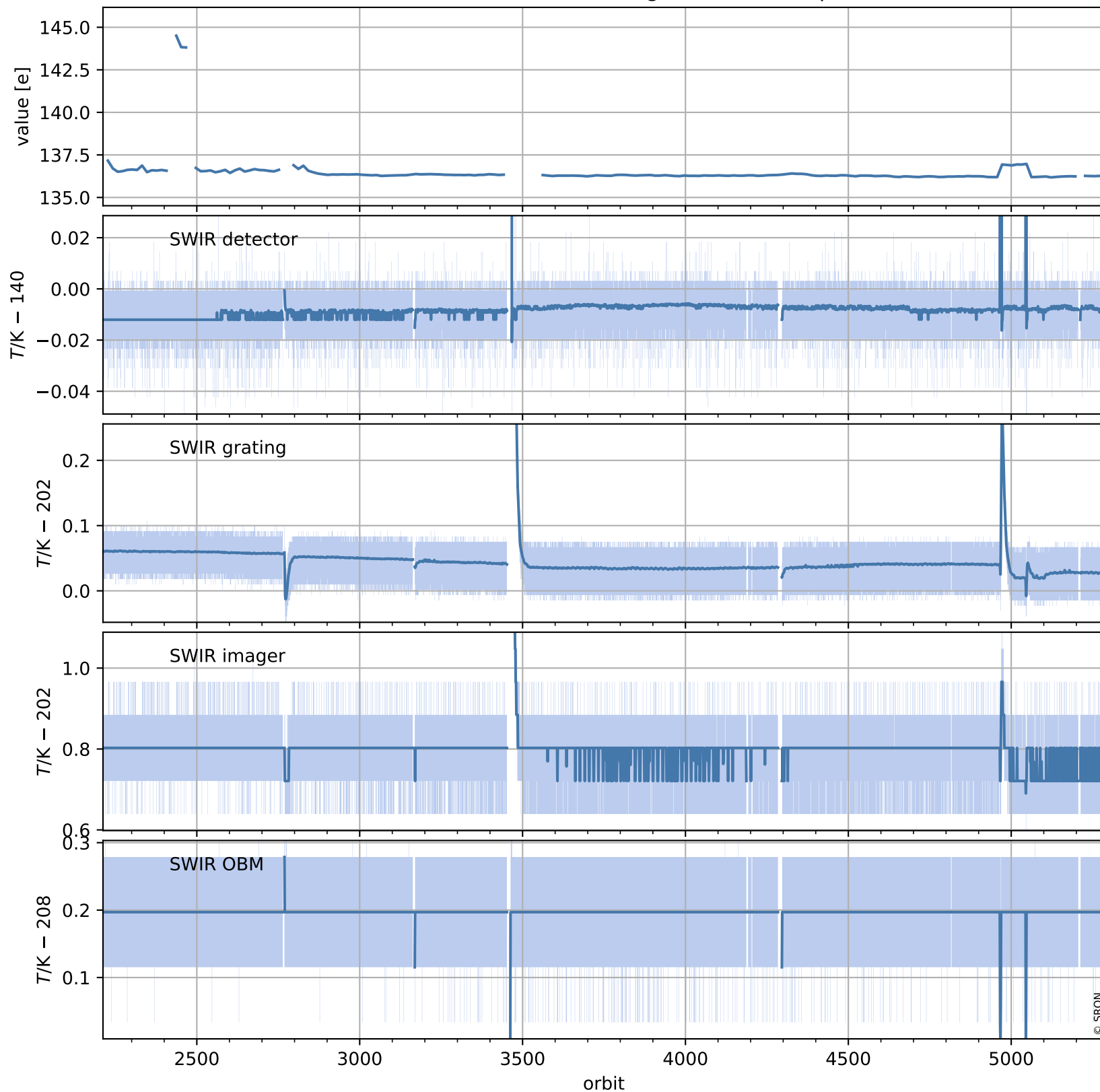
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5287]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:12

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5287]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:13

## trend of normalized read-noise & temperatures

