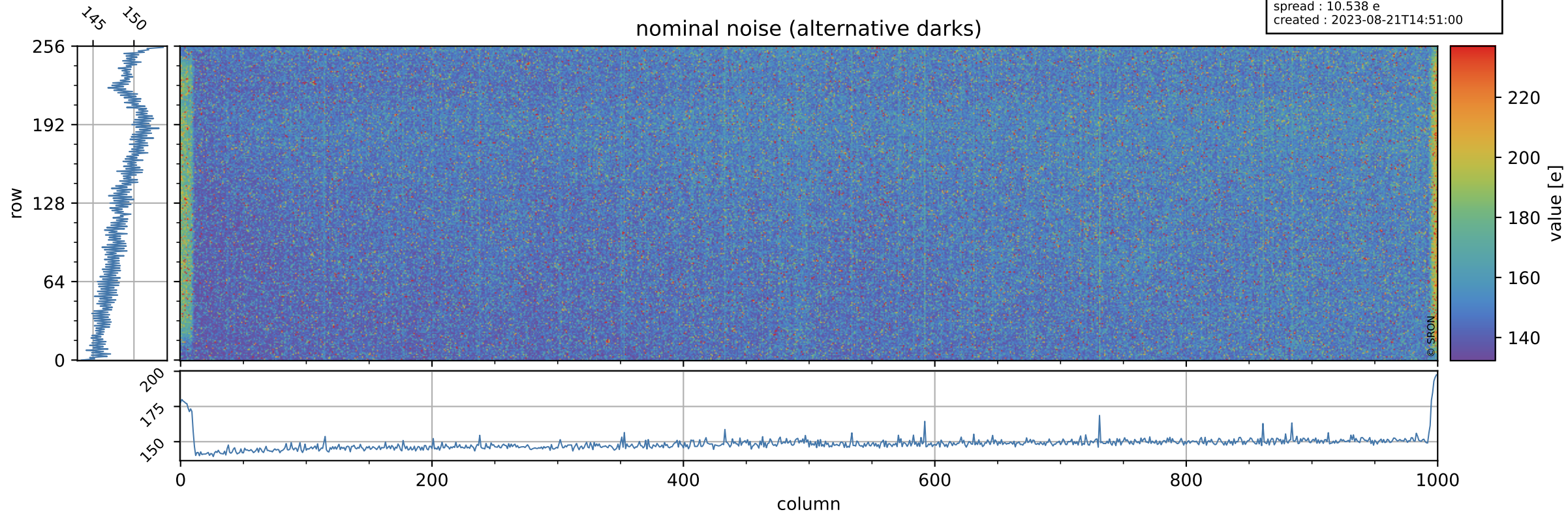


# Tropomi SWIR background noise (swir)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.538 e  
created : 2023-08-21T14:51:00

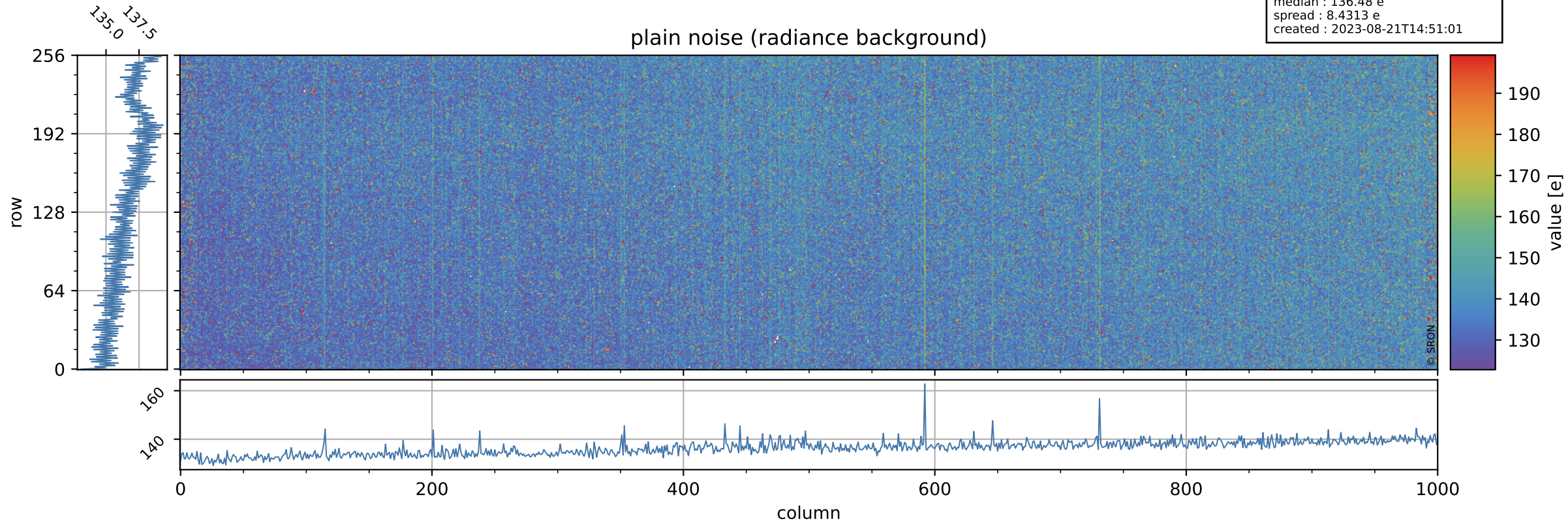
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.48 e  
spread : 8.4313 e  
created : 2023-08-21T14:51:01

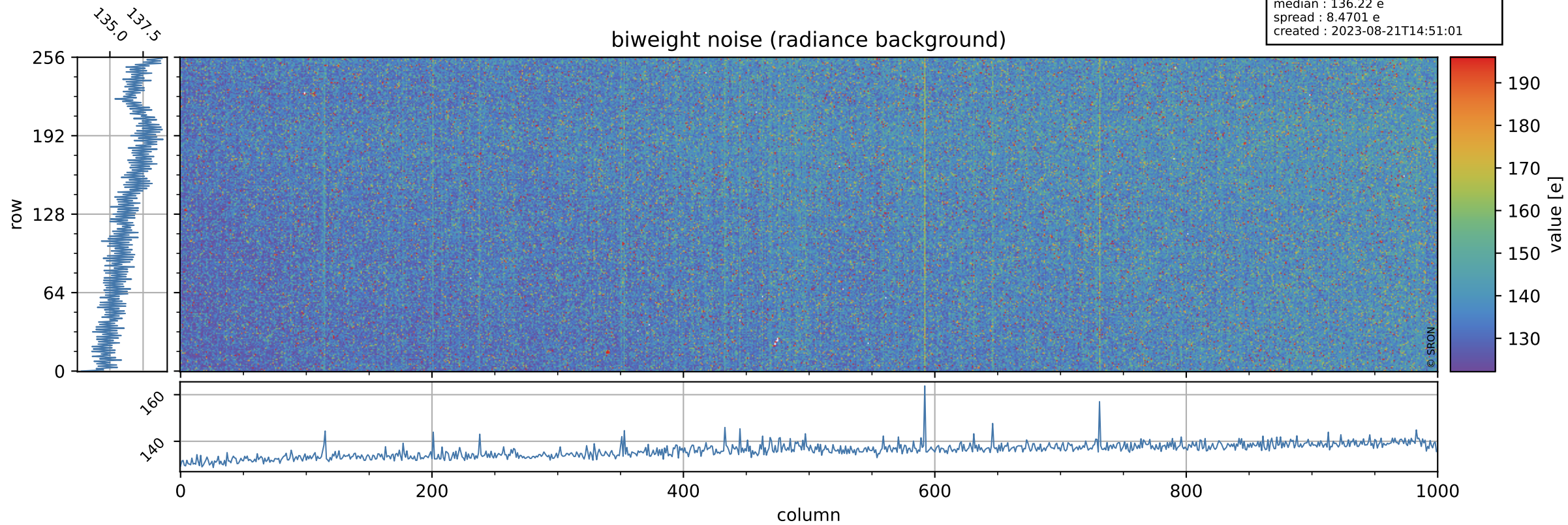
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.22 e  
spread : 8.4701 e  
created : 2023-08-21T14:51:01

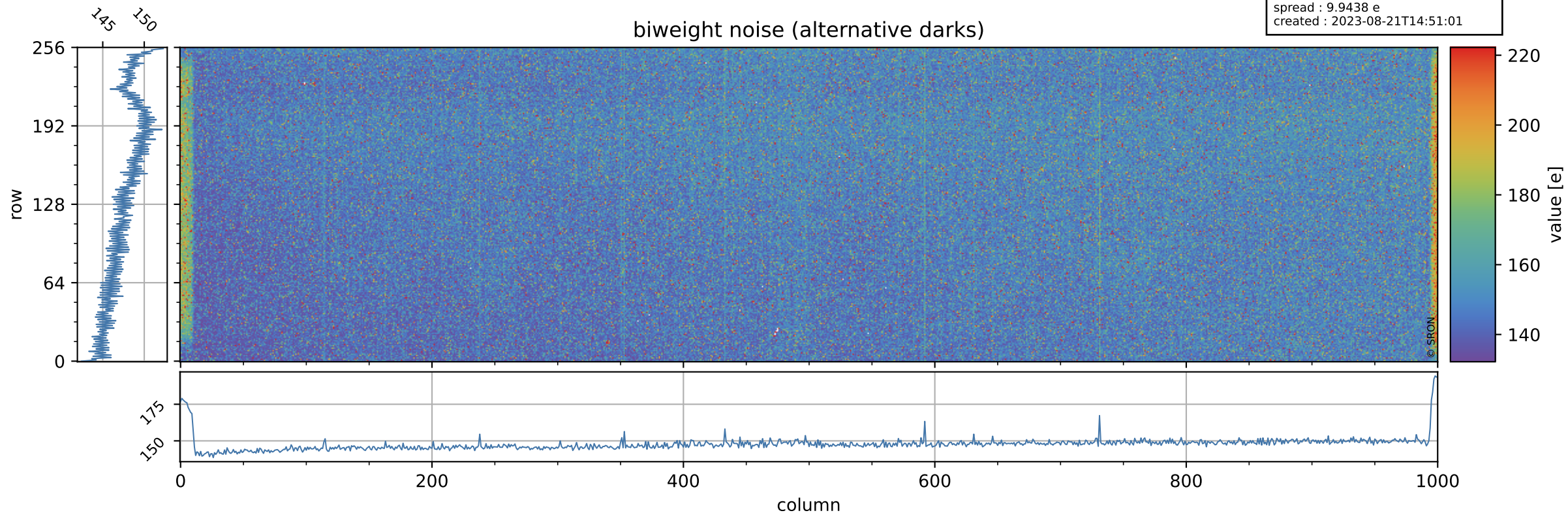
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.9438 e  
created : 2023-08-21T14:51:01

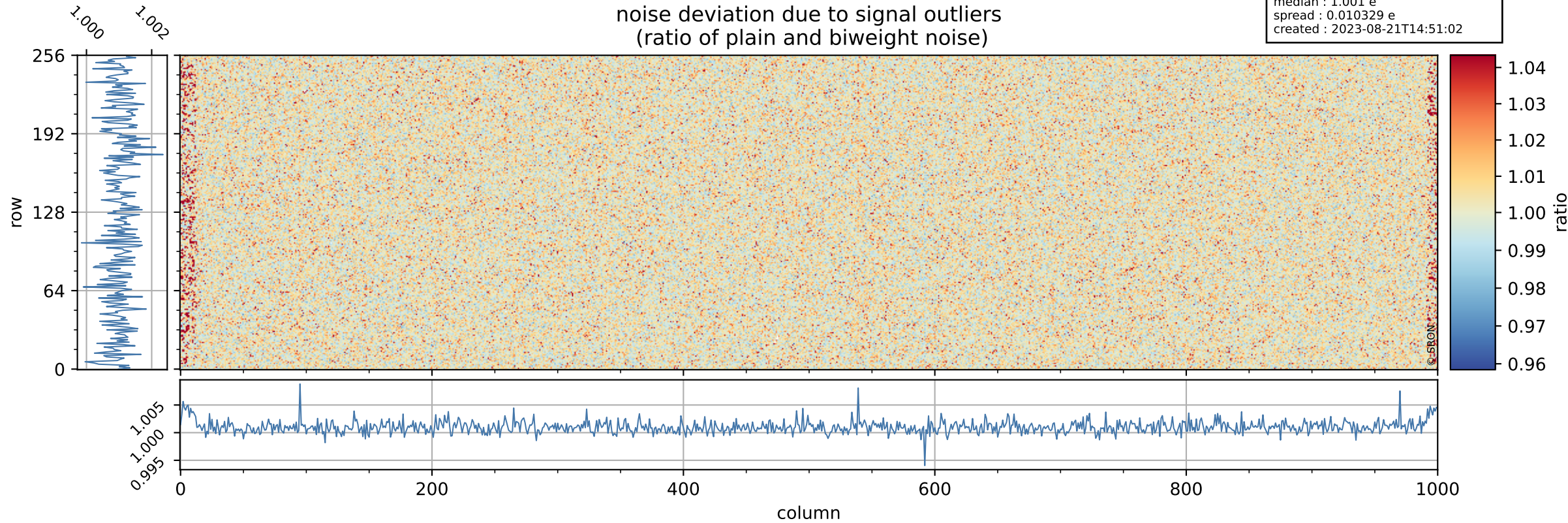
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

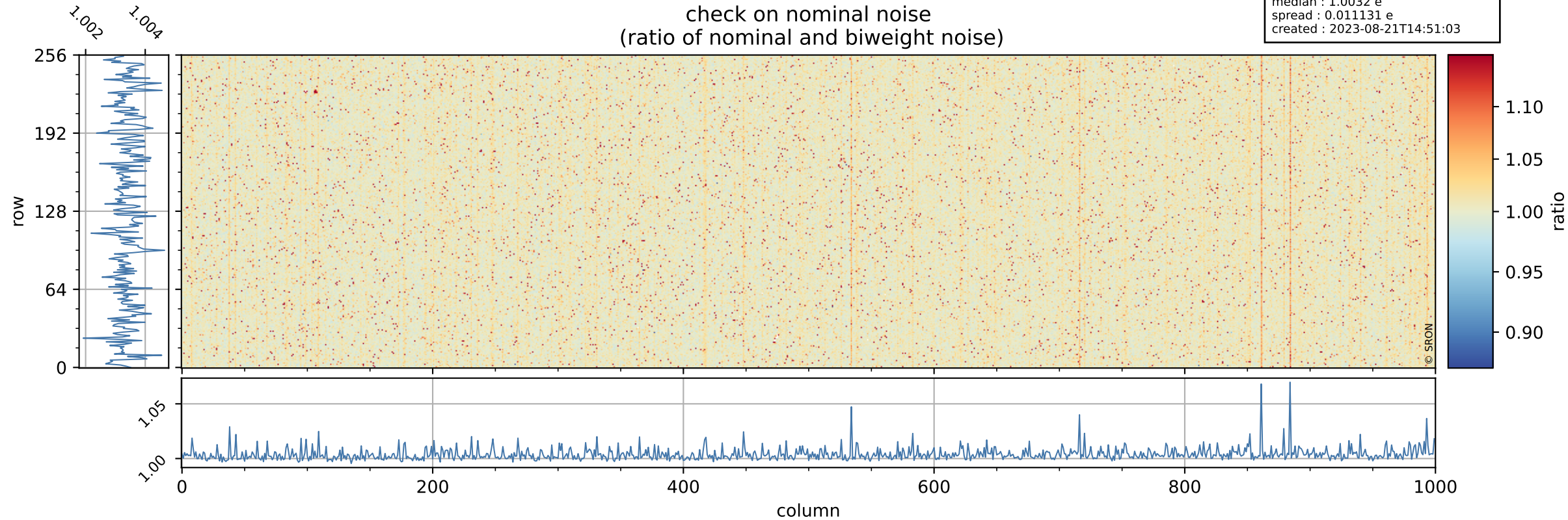
orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
median : 1.001 e  
spread : 0.010329 e  
created : 2023-08-21T14:51:02



# Tropomi SWIR background noise (swir)

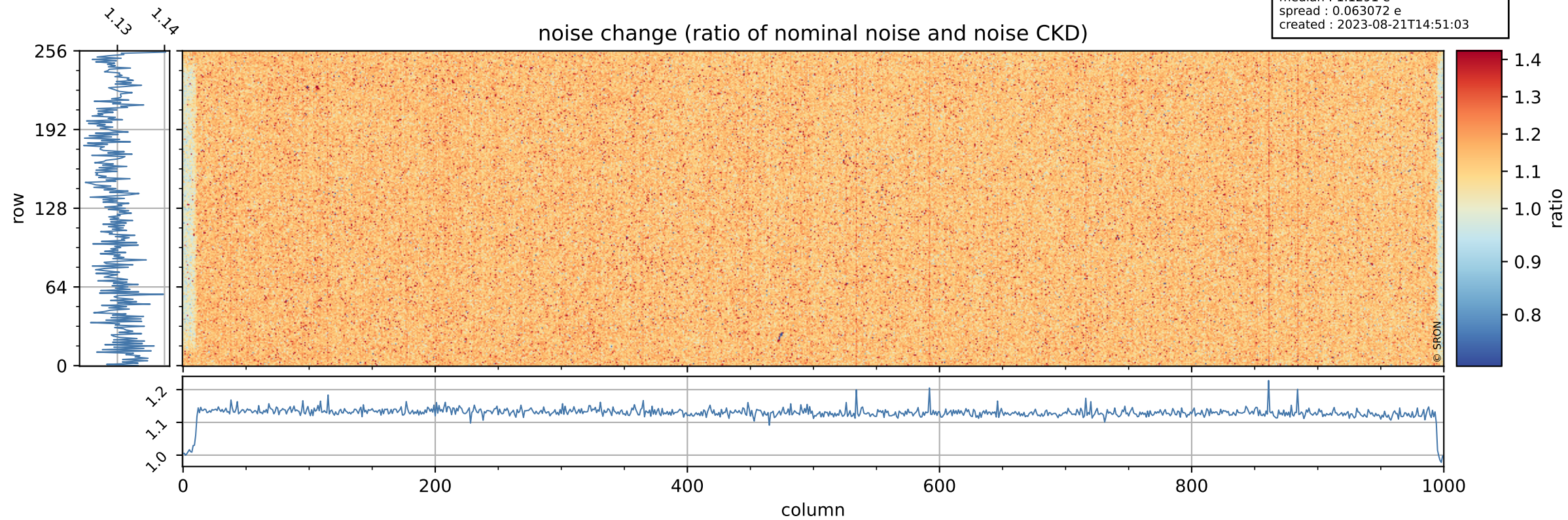
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
median : 1.0032 e  
spread : 0.011131 e  
created : 2023-08-21T14:51:03



# Tropomi SWIR background noise (swir)

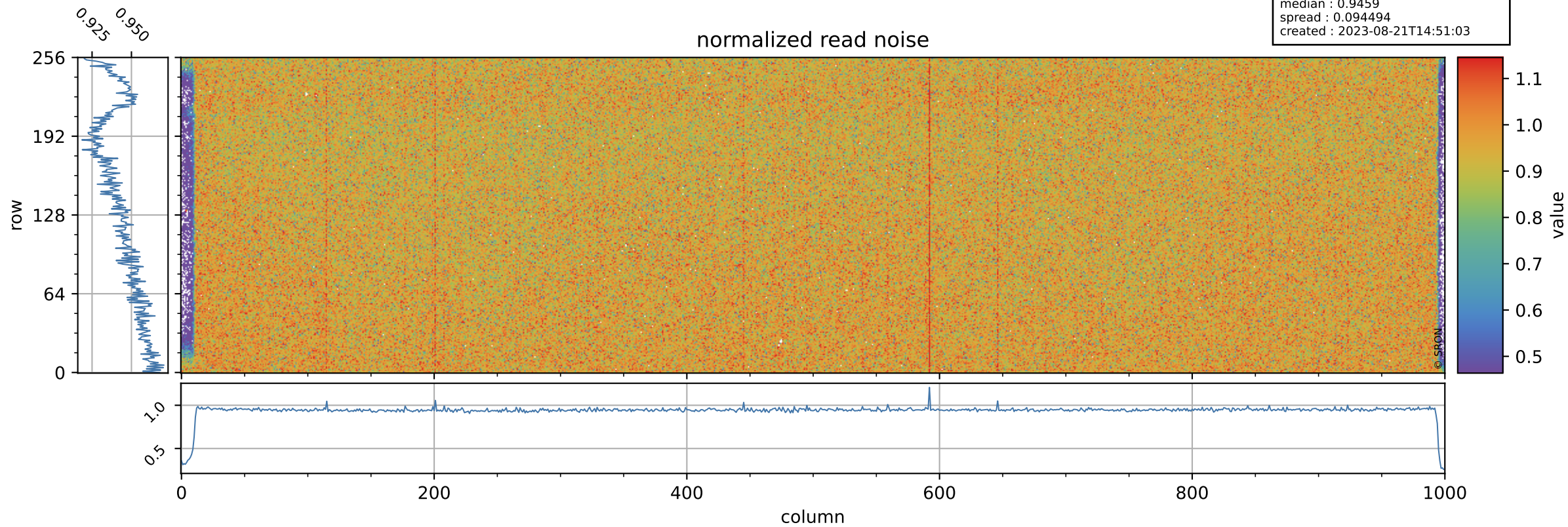
orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
median : 1.1291 e  
spread : 0.063072 e  
created : 2023-08-21T14:51:03



# Tropomi SWIR background noise (swir)

orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
median : 0.9459  
spread : 0.094494  
created : 2023-08-21T14:51:03

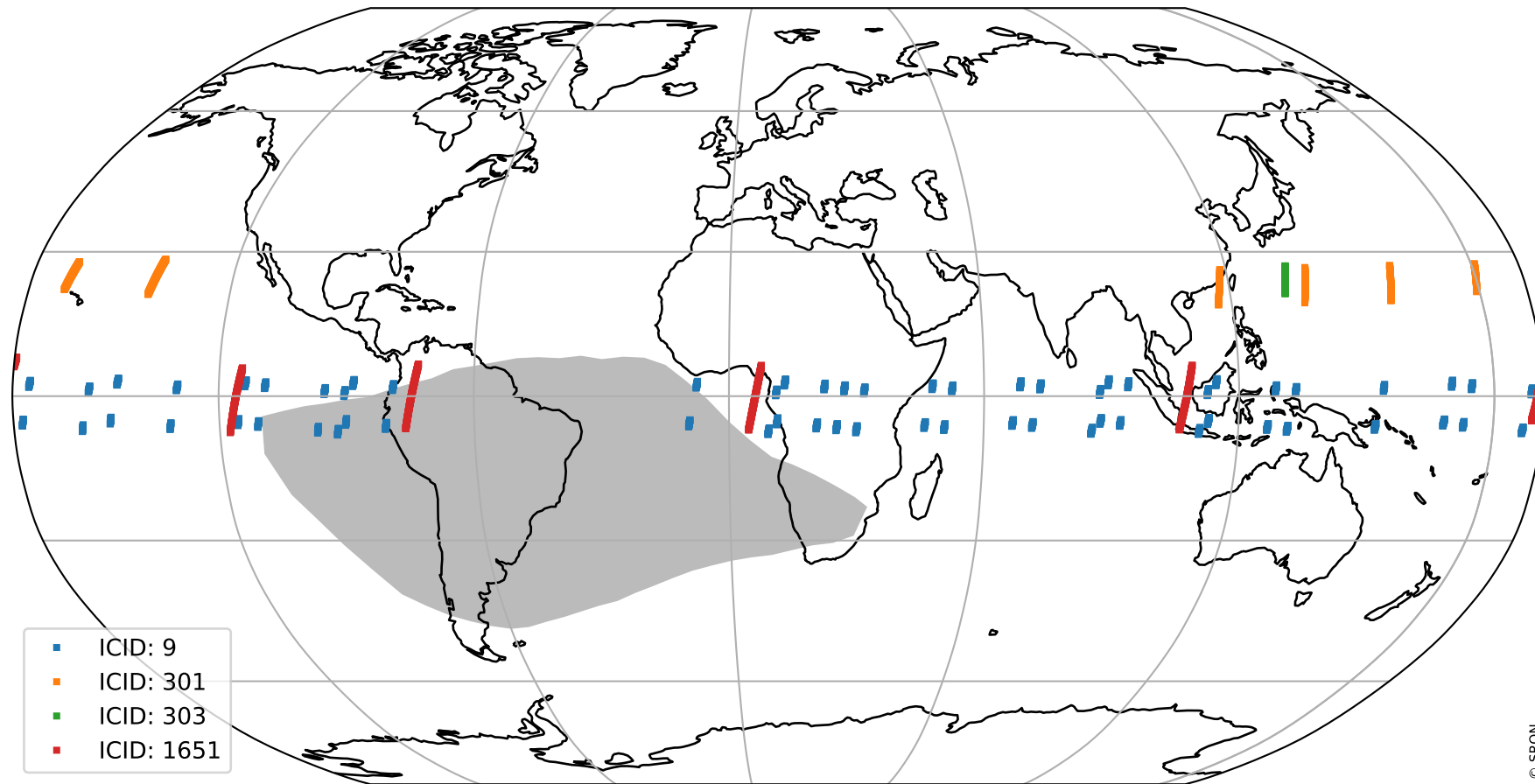
## normalized read noise





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

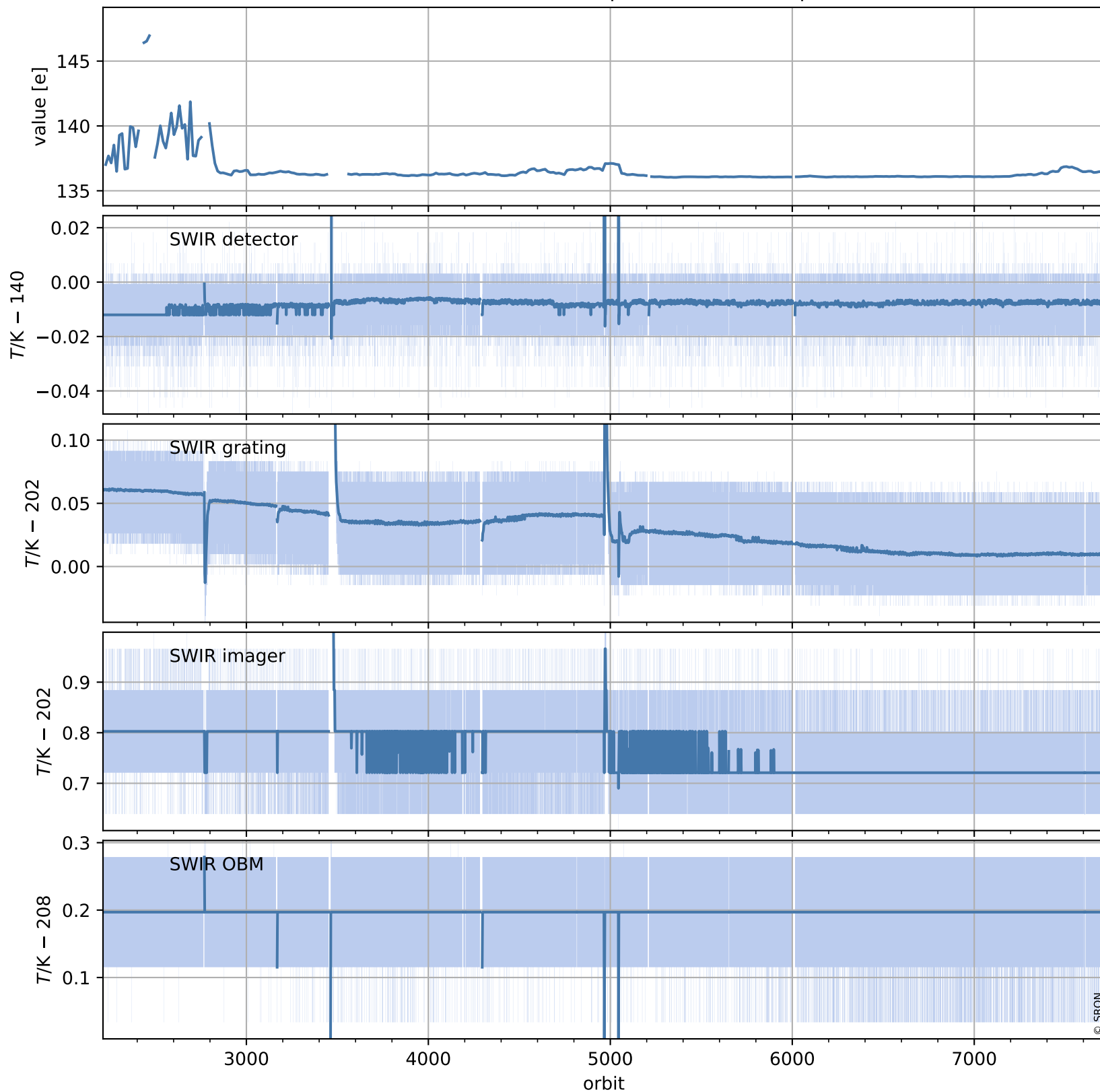
orbits : 12 in [7627, 7717]  
coverage : 2019-04-04 / 2019-04-10  
created : 2023-08-21T14:51:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 7717]  
coverage : 2018-03-18 / 2019-04-10  
created : 2023-08-21T14:51:04

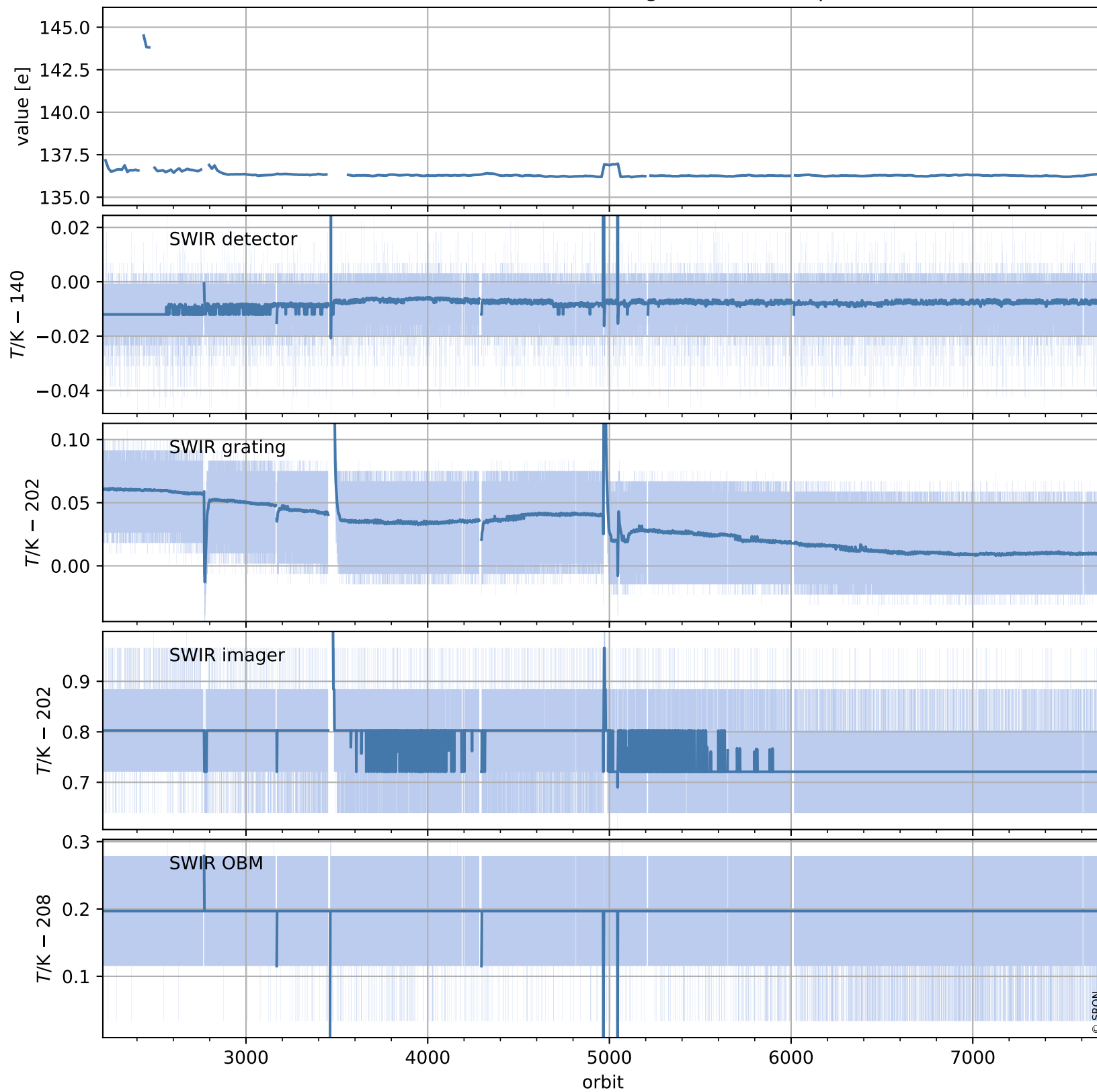
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7717]  
coverage : 2018-03-18 / 2019-04-10  
created : 2023-08-21T14:51:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7717]  
coverage : 2018-03-18 / 2019-04-10  
created : 2023-08-21T14:51:06

## trend of normalized read-noise & temperatures

