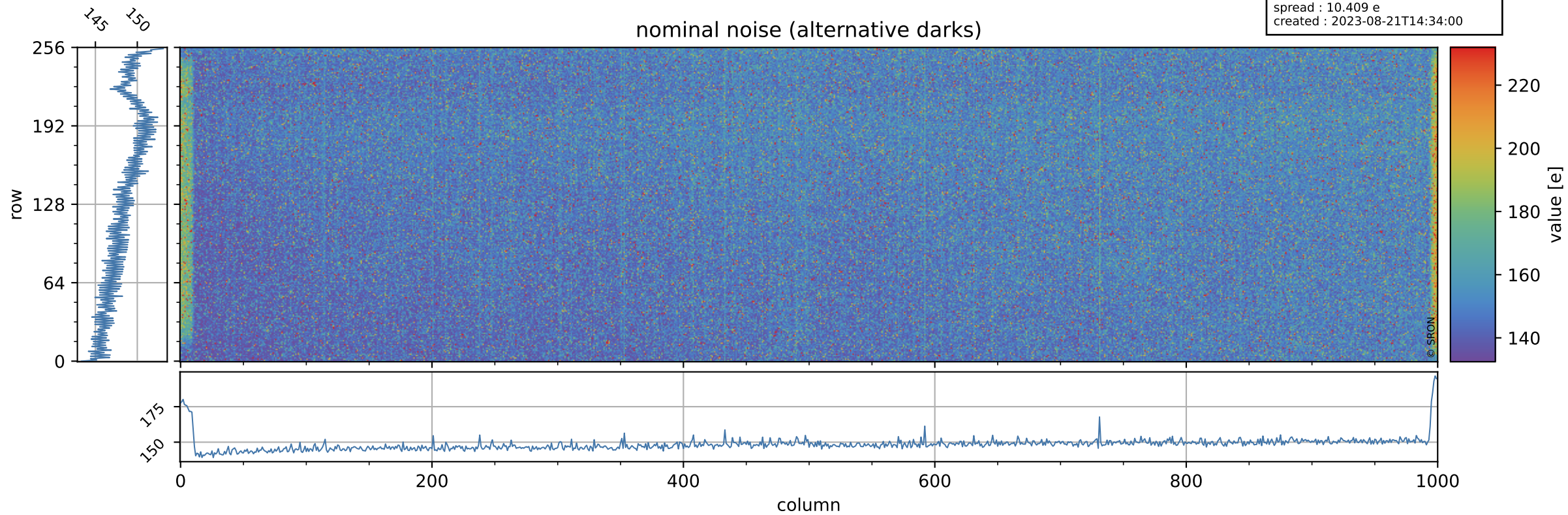


# Tropomi SWIR background noise (swir)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.409 e  
created : 2023-08-21T14:34:00

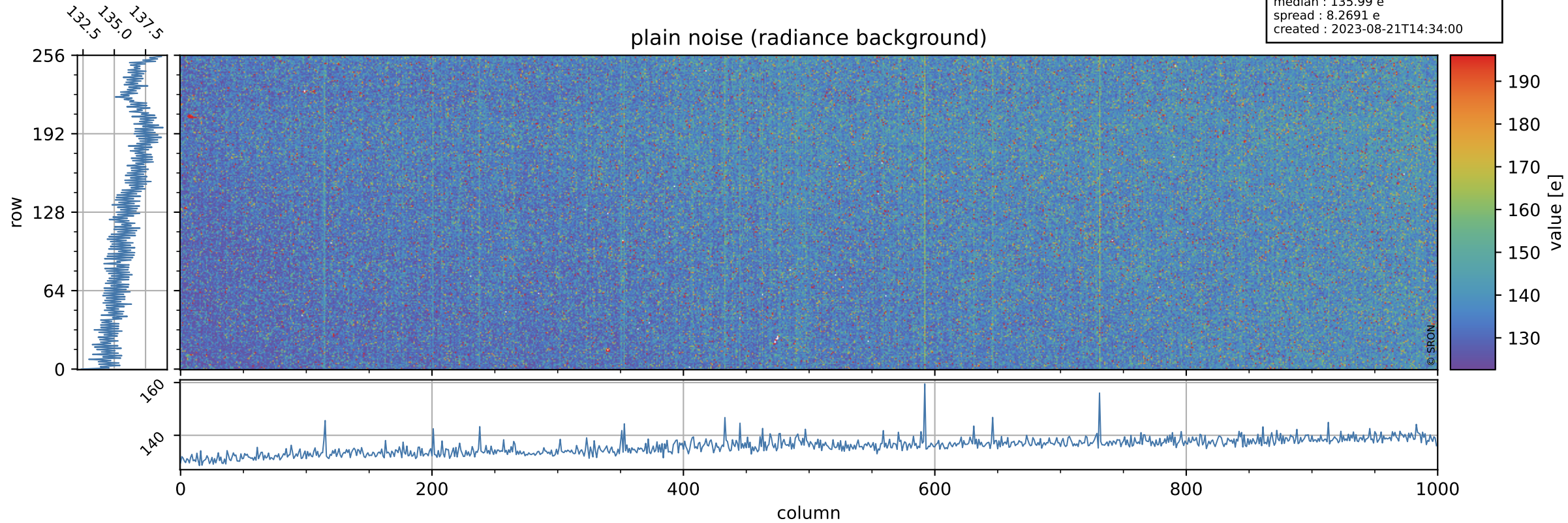
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
n\_coad, t\_exp : 2, 0.5383  
median : 135.99 e  
spread : 8.2691 e  
created : 2023-08-21T14:34:00

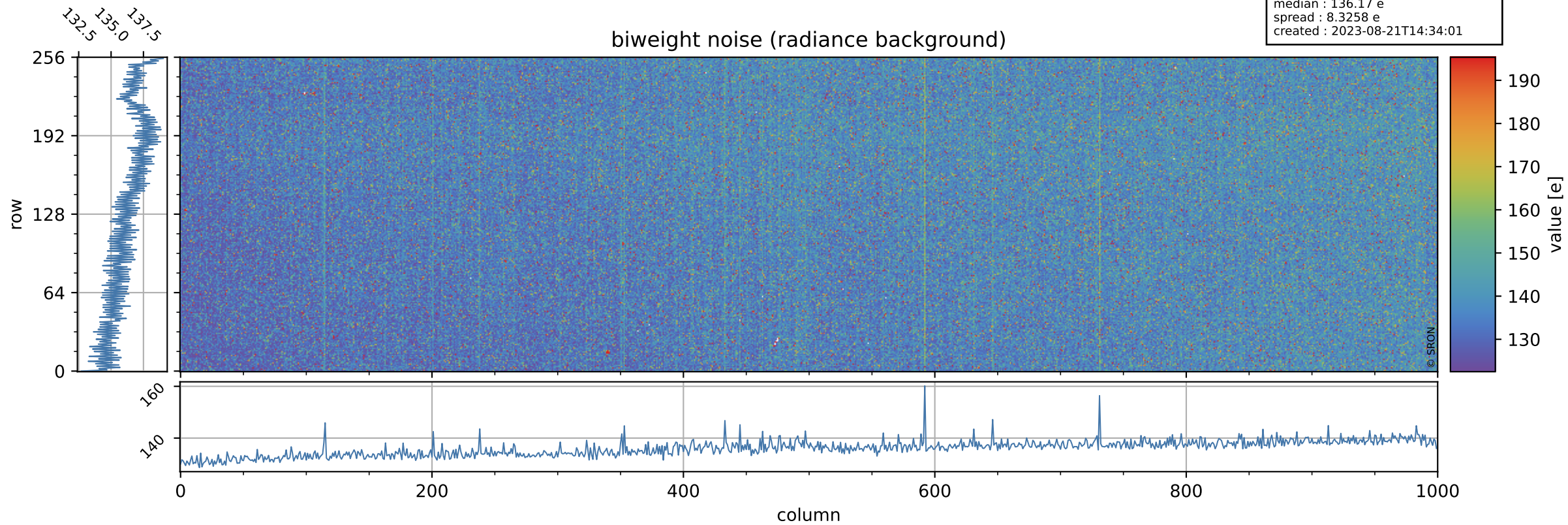
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.3258 e  
created : 2023-08-21T14:34:01

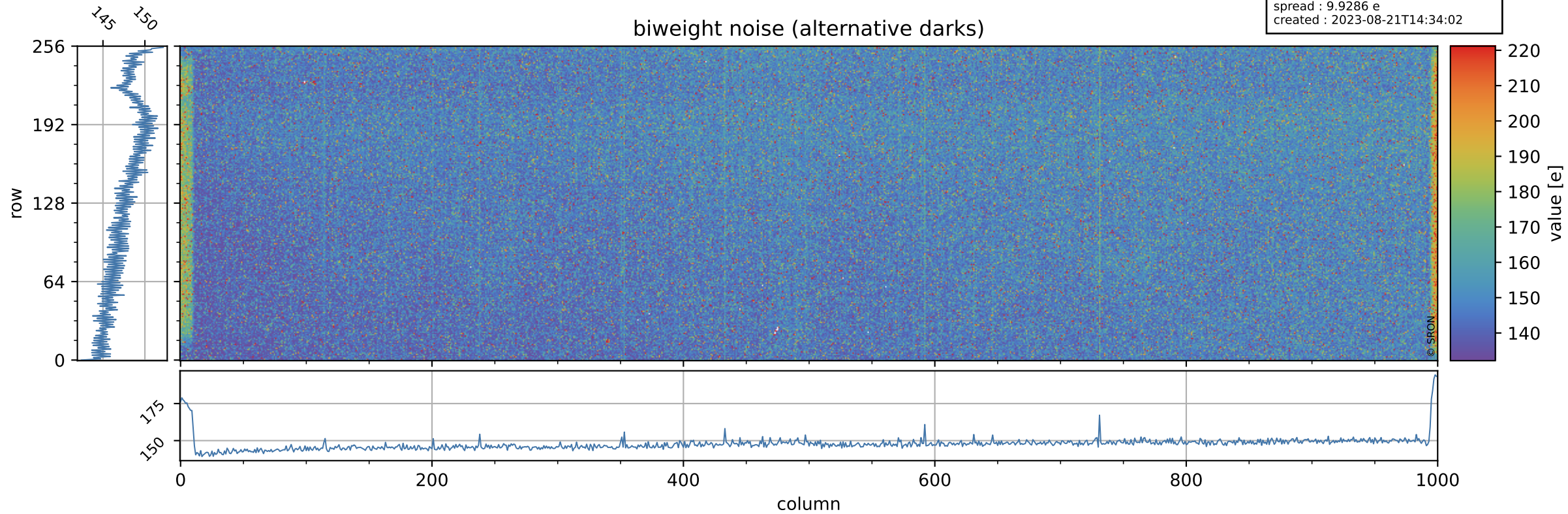
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9286 e  
created : 2023-08-21T14:34:02

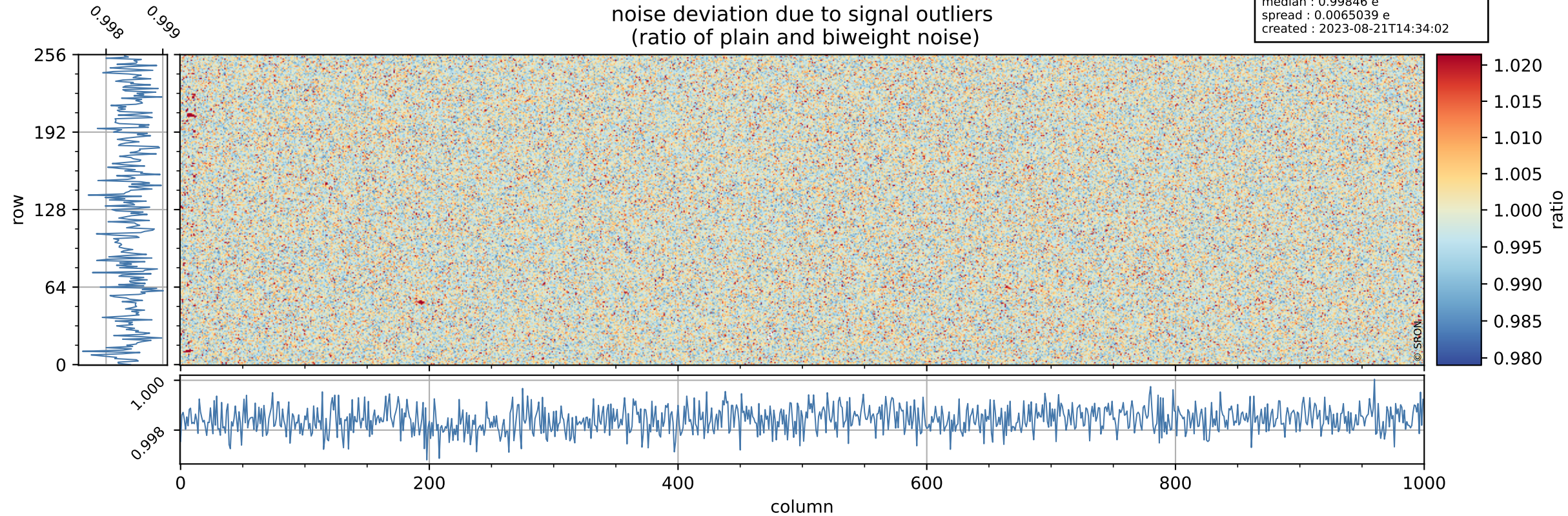
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

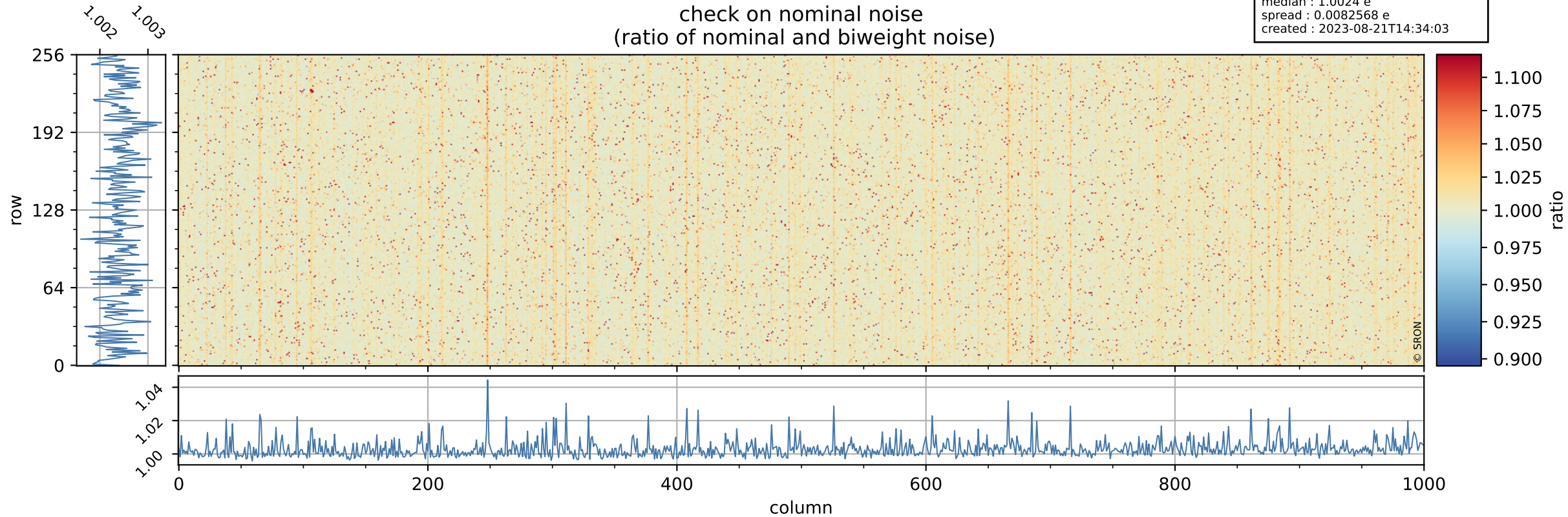
orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
median : 0.99846 e  
spread : 0.0065039 e  
created : 2023-08-21T14:34:02



# Tropomi SWIR background noise (swir)

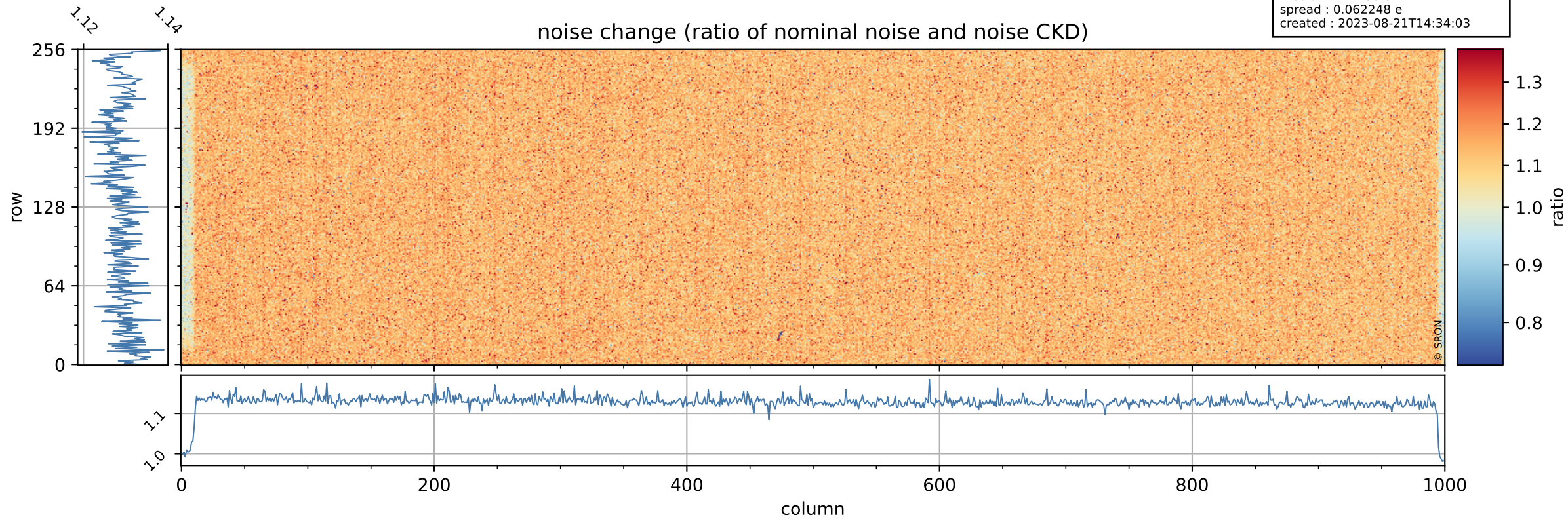
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
median : 1.0024 e  
spread : 0.0082568 e  
created : 2023-08-21T14:34:03



# Tropomi SWIR background noise (swir)

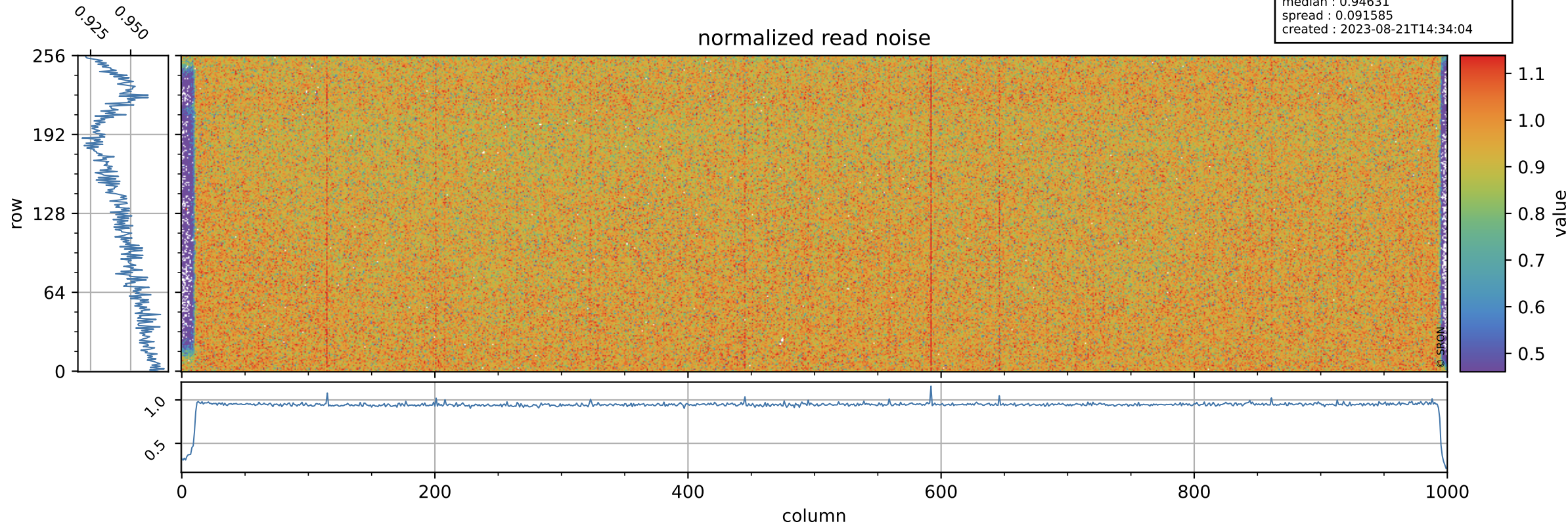
orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
median : 1.1286 e  
spread : 0.062248 e  
created : 2023-08-21T14:34:03



# Tropomi SWIR background noise (swir)

orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
median : 0.94631  
spread : 0.091585  
created : 2023-08-21T14:34:04

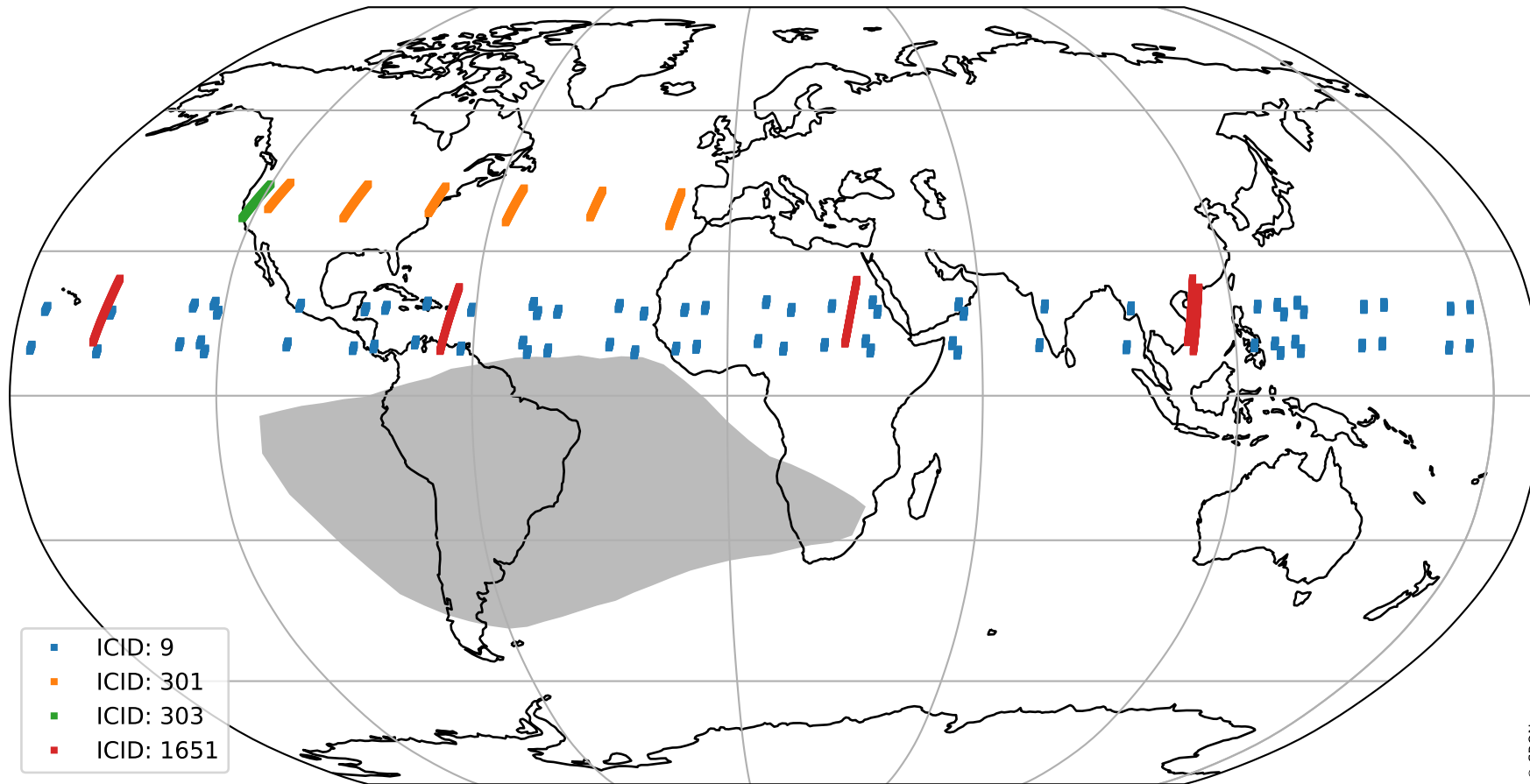
## normalized read noise





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

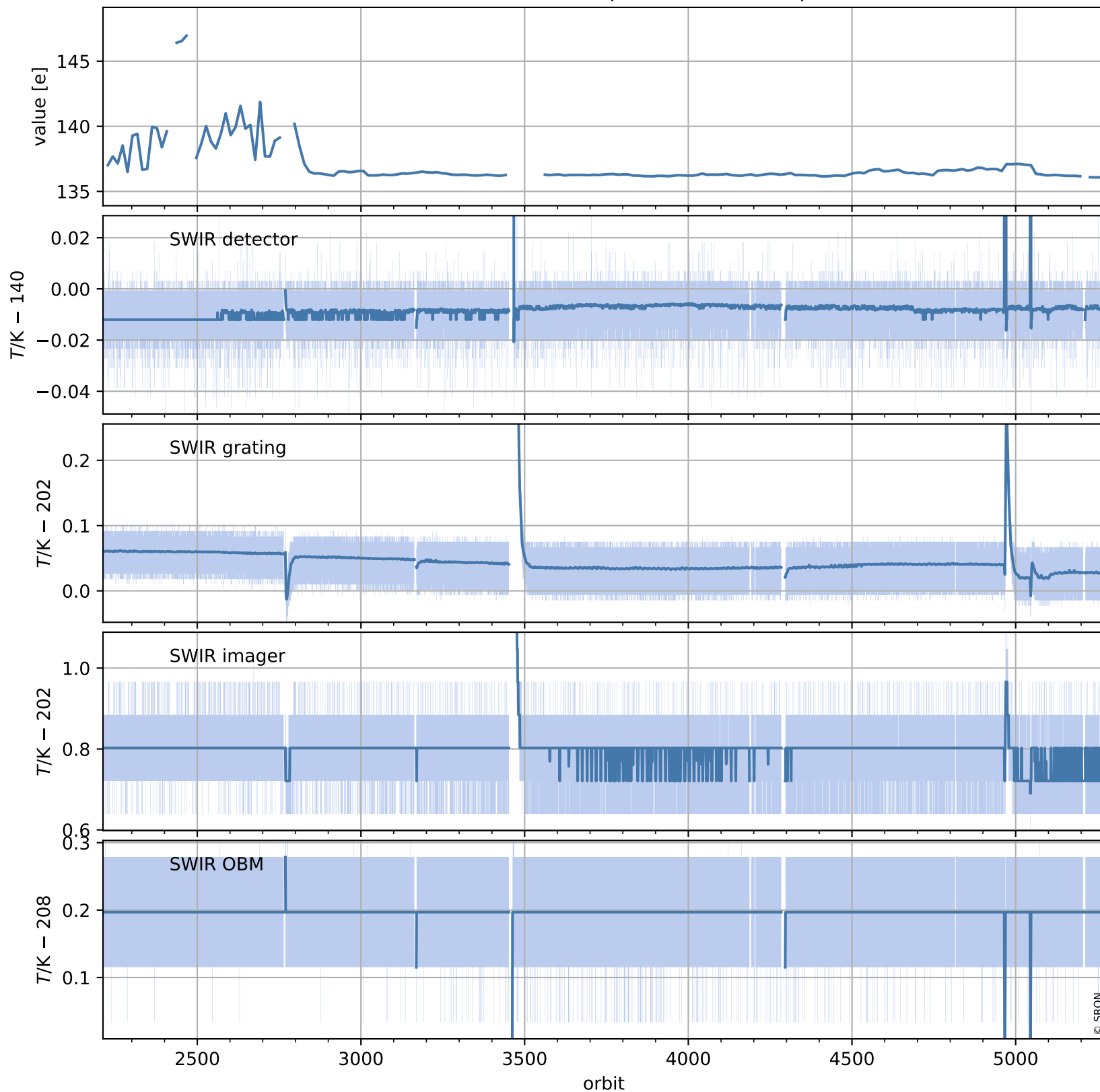
orbits : 12 in [5182, 5272]  
coverage : 2018-10-14 / 2018-10-19  
created : 2023-08-21T14:34:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 5272]  
coverage : 2018-03-18 / 2018-10-19  
created : 2023-08-21T14:34:04

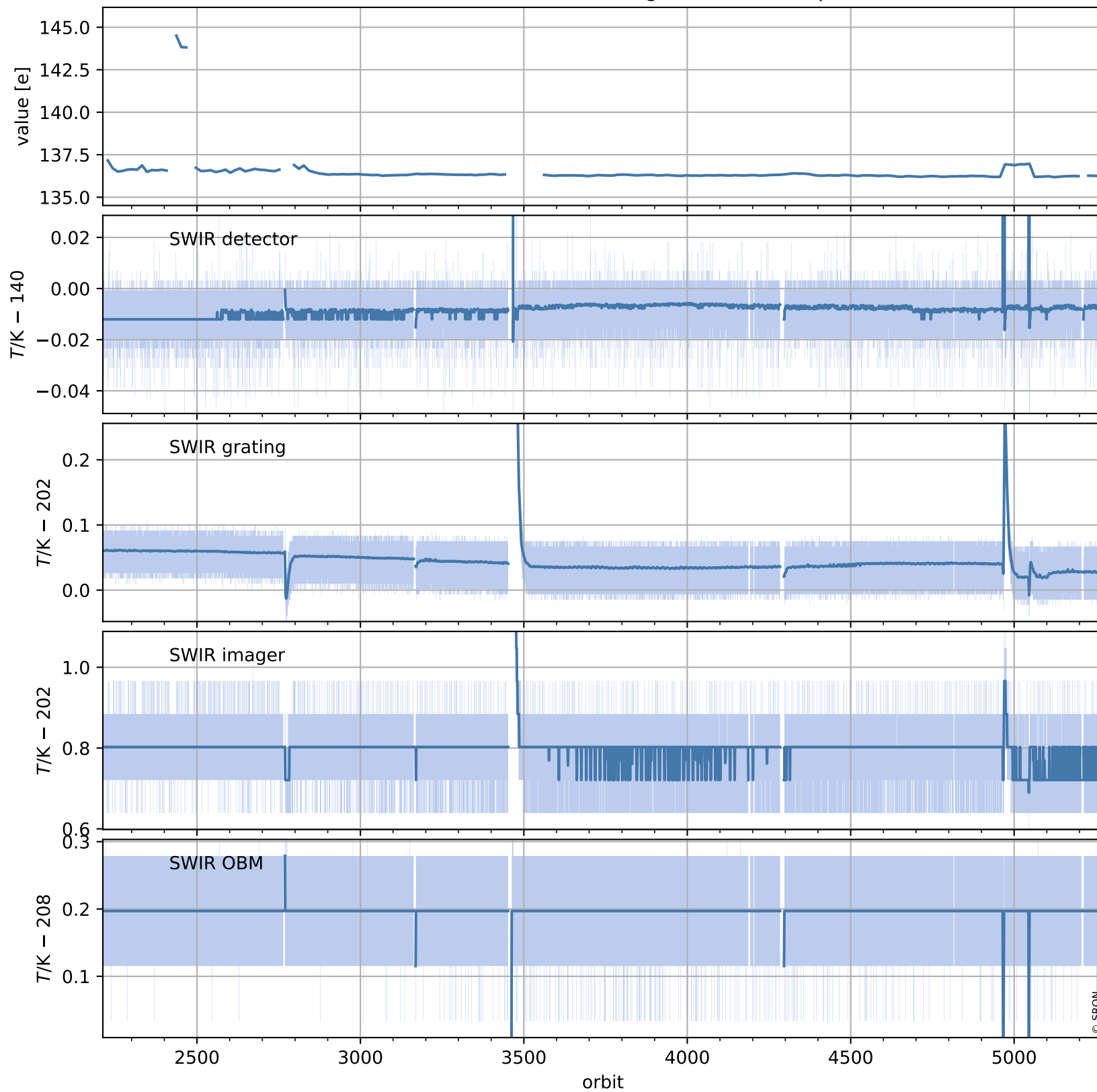
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5272]  
coverage : 2018-03-18 / 2018-10-19  
created : 2023-08-21T14:34:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5272]  
coverage : 2018-03-18 / 2018-10-19  
created : 2023-08-21T14:34:06

## trend of normalized read-noise & temperatures

