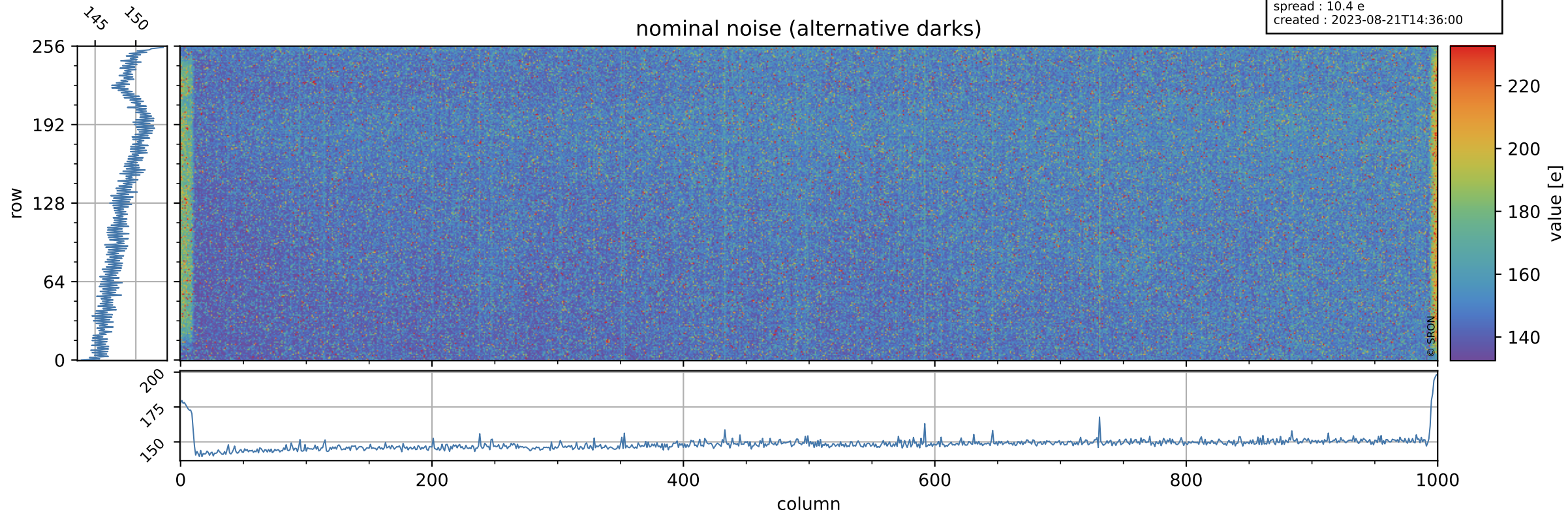


# Tropomi SWIR background noise (swir)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.34 e  
spread : 10.4 e  
created : 2023-08-21T14:36:00

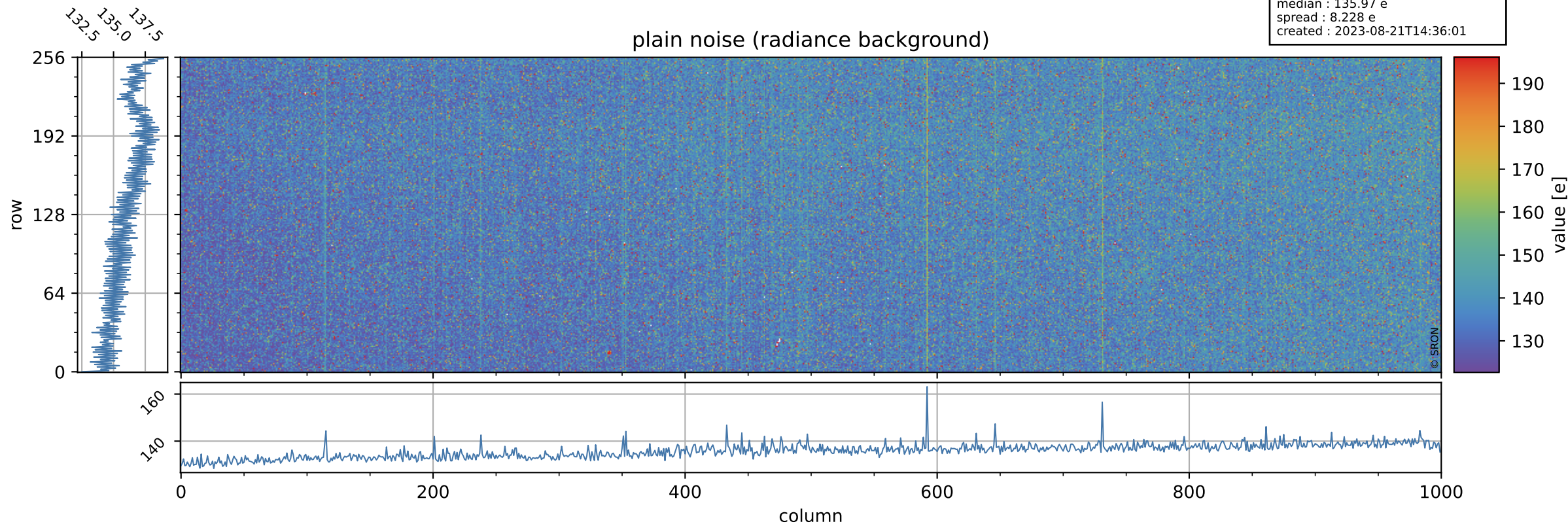
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
n\_coad, t\_exp : 2, 0.5383  
median : 135.97 e  
spread : 8.228 e  
created : 2023-08-21T14:36:01

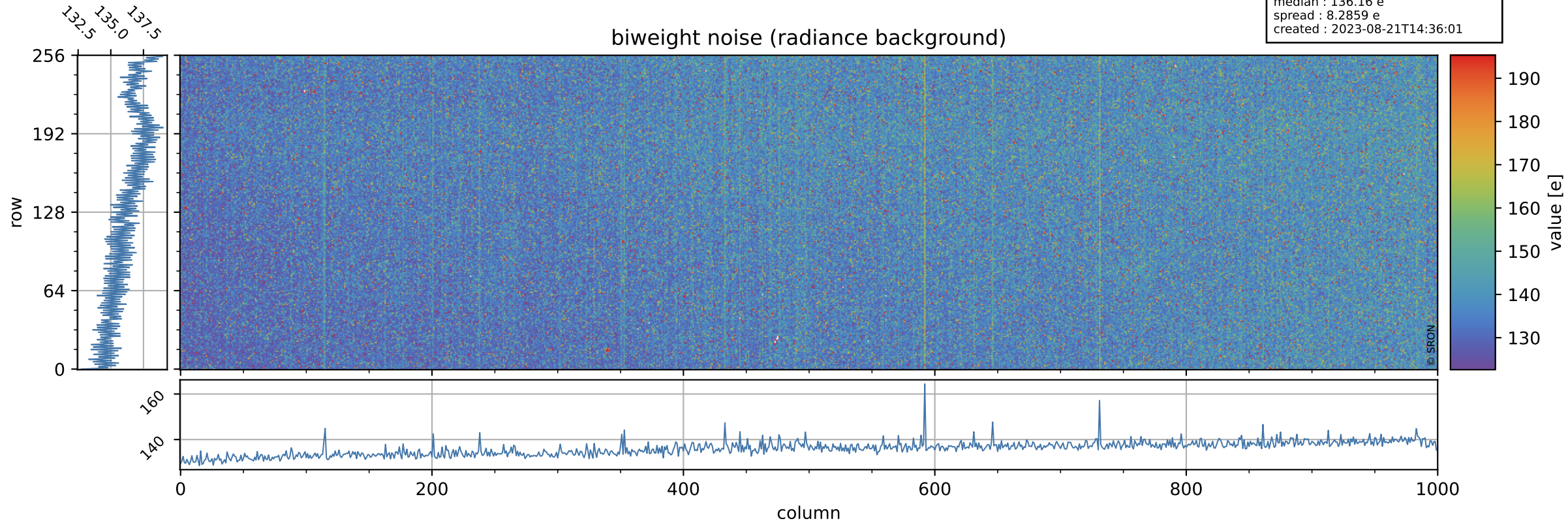
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.2859 e  
created : 2023-08-21T14:36:01

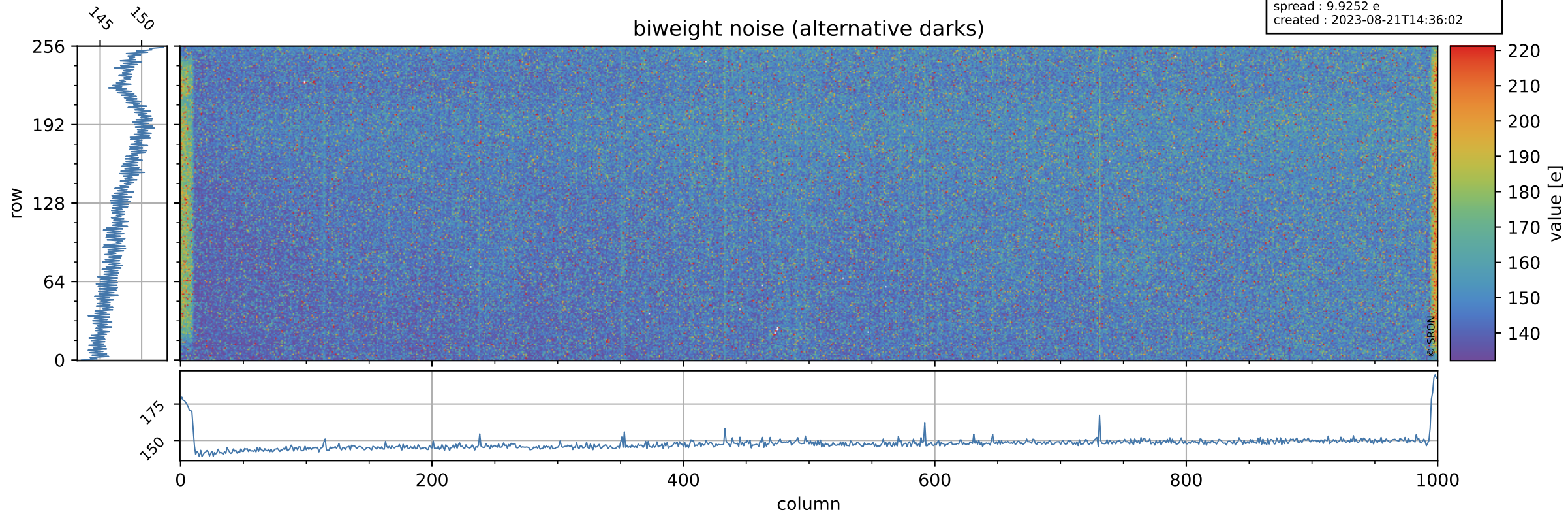
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.9252 e  
created : 2023-08-21T14:36:02

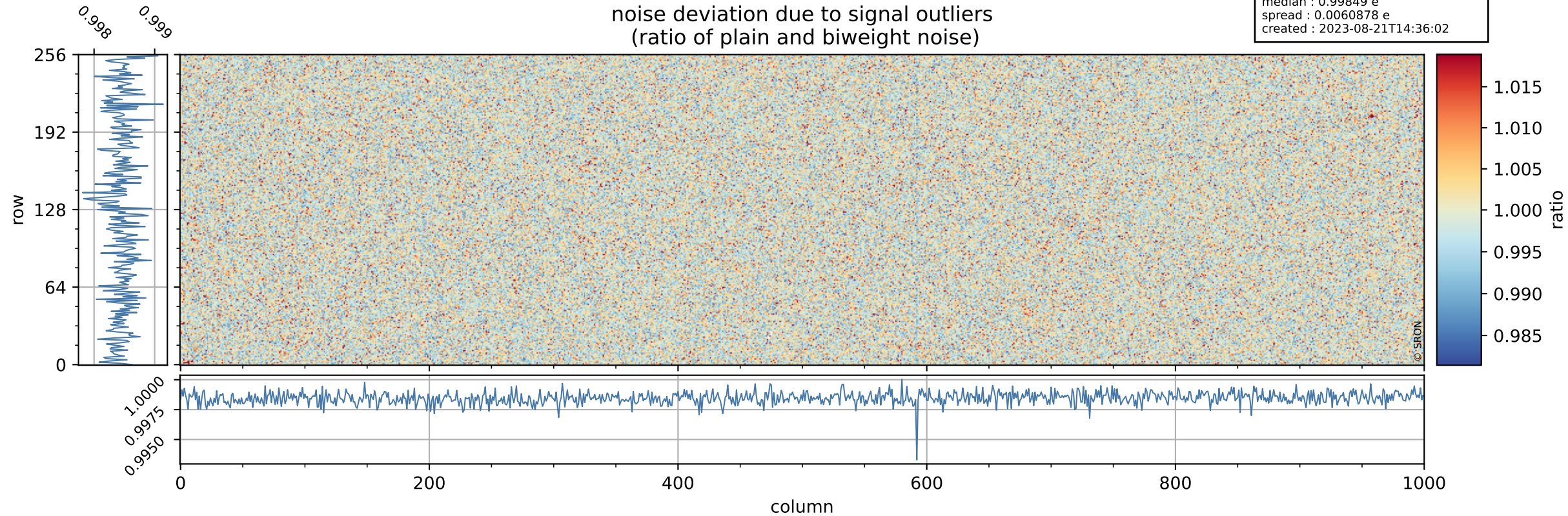
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

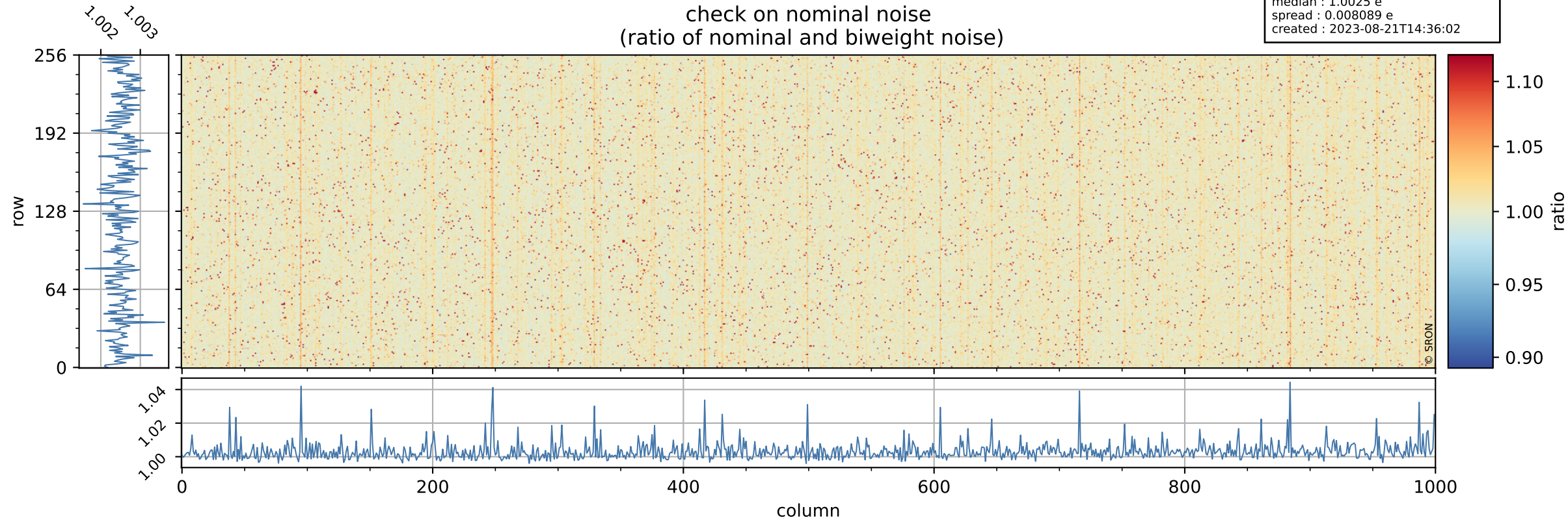
orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
median : 0.99849 e  
spread : 0.0060878 e  
created : 2023-08-21T14:36:02



# Tropomi SWIR background noise (swir)

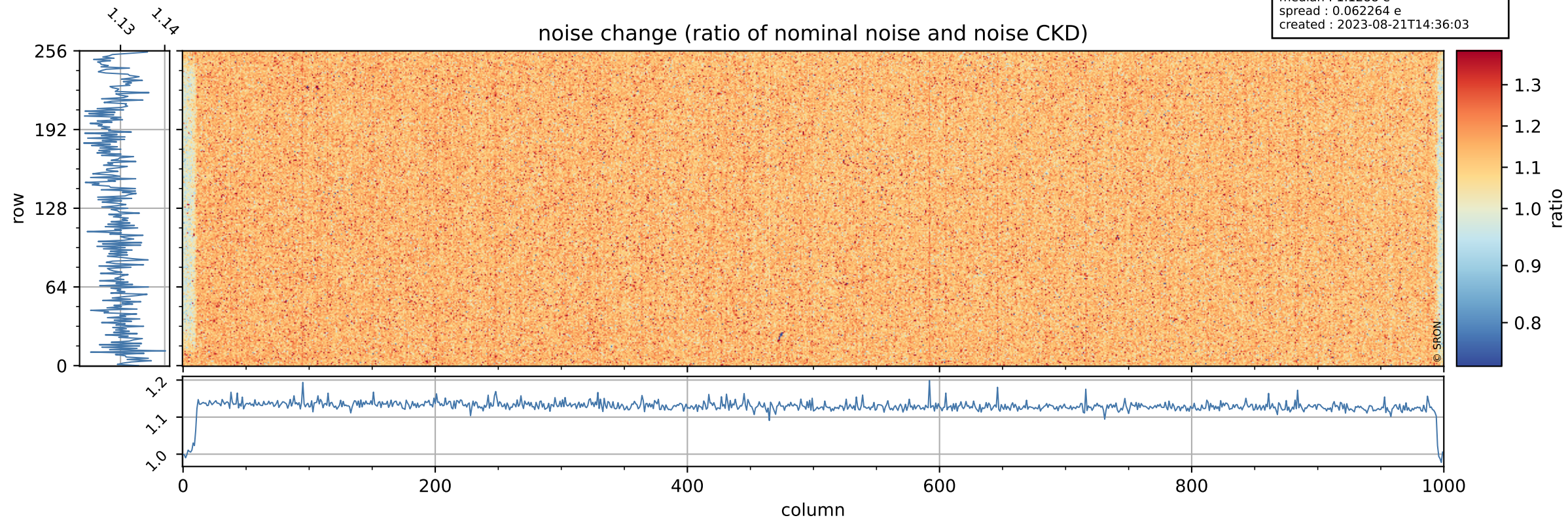
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
median : 1.0025 e  
spread : 0.008089 e  
created : 2023-08-21T14:36:02



# Tropomi SWIR background noise (swir)

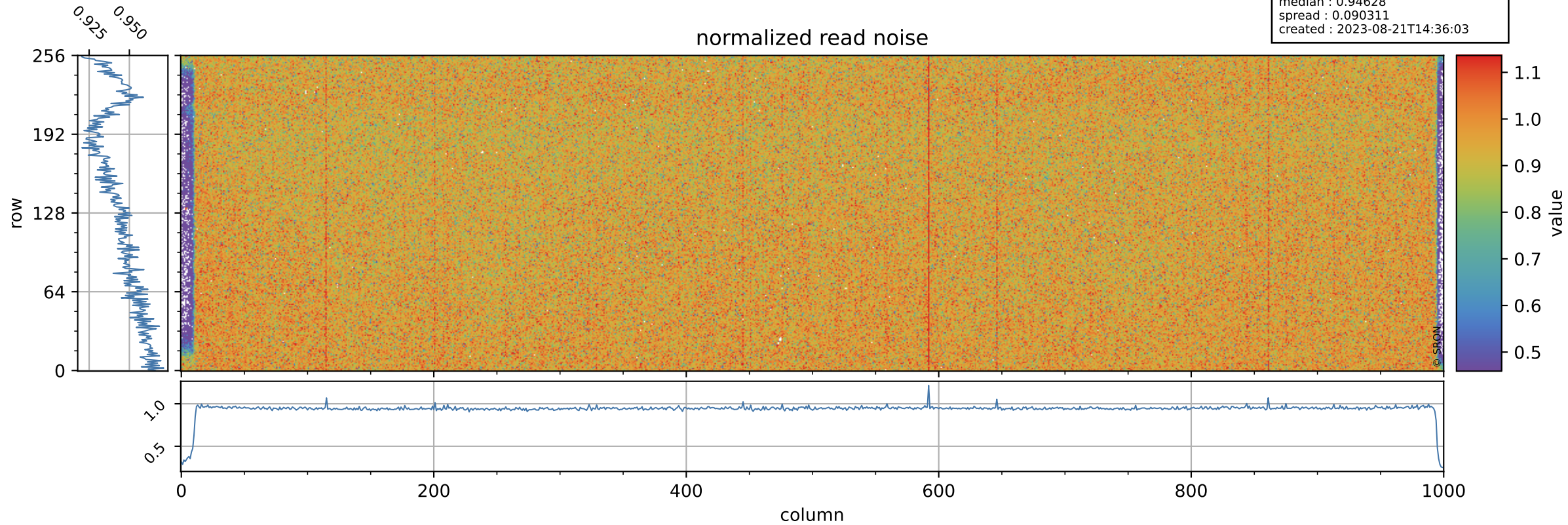
orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
median : 1.1288 e  
spread : 0.062264 e  
created : 2023-08-21T14:36:03



# Tropomi SWIR background noise (swir)

orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
median : 0.94628  
spread : 0.090311  
created : 2023-08-21T14:36:03

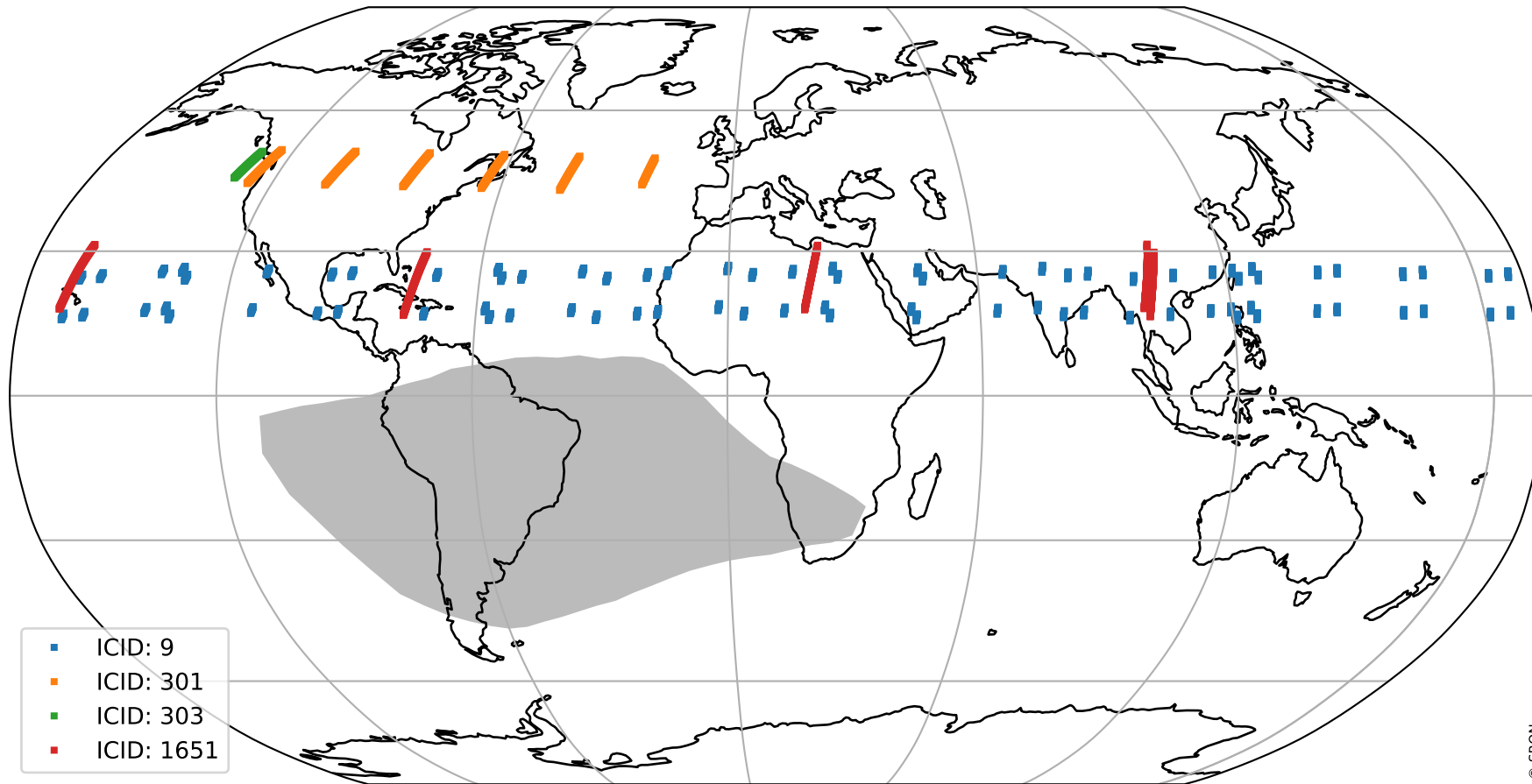
## normalized read noise





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

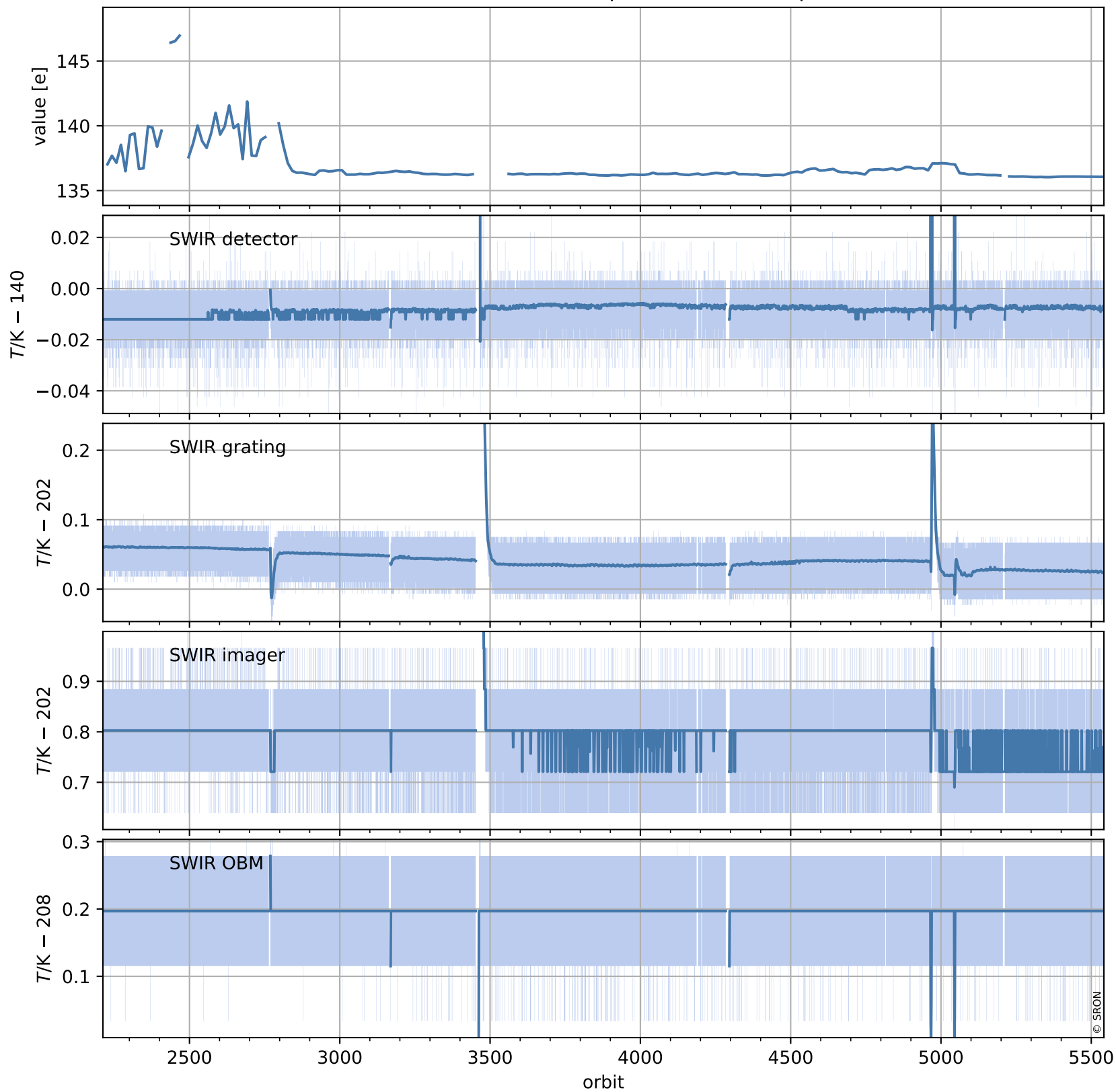
orbits : 12 in [5452, 5542]  
coverage : 2018-11-02 / 2018-11-07  
created : 2023-08-21T14:36:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 5542]  
coverage : 2018-03-18 / 2018-11-07  
created : 2023-08-21T14:36:04

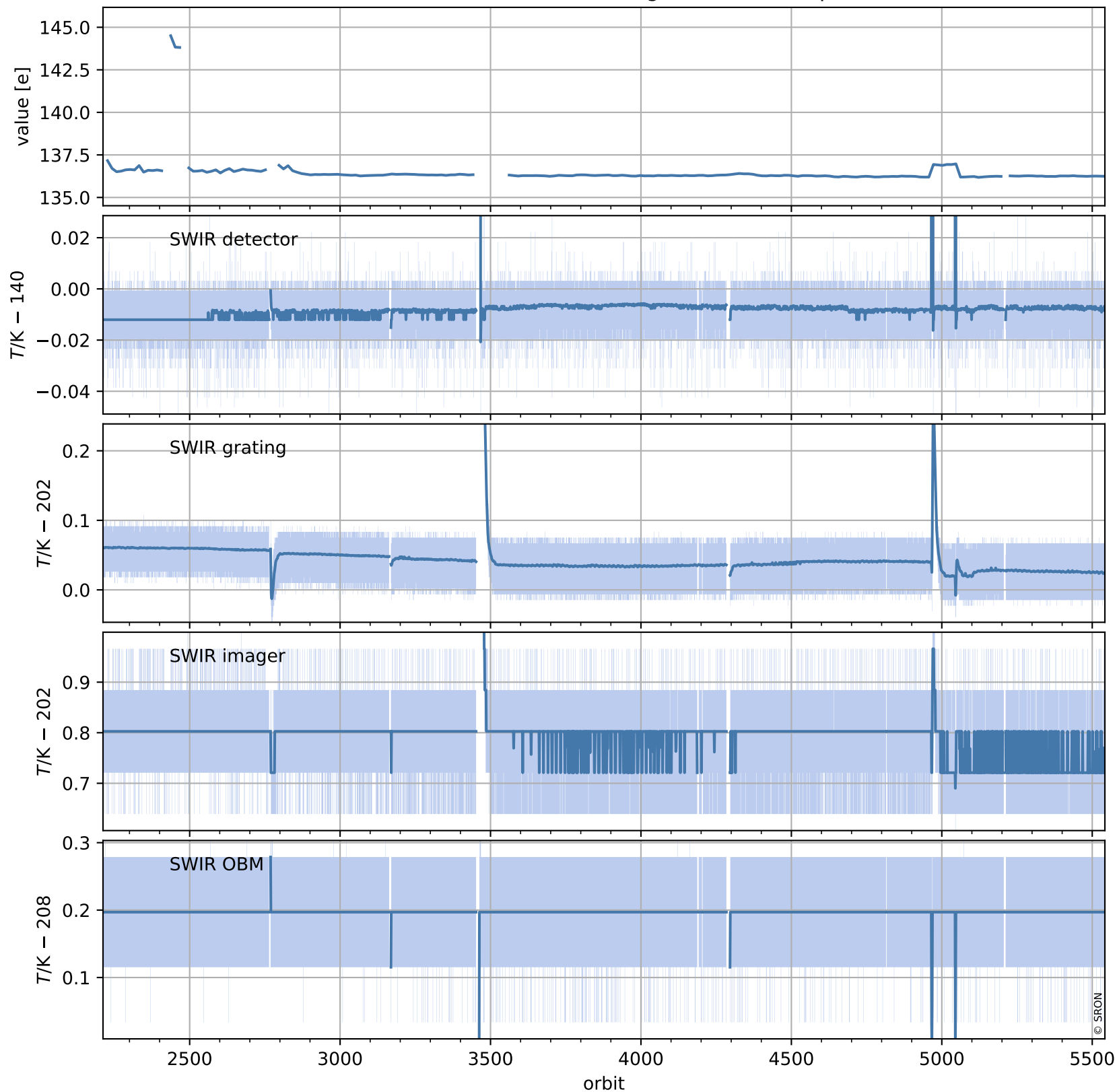
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5542]  
coverage : 2018-03-18 / 2018-11-07  
created : 2023-08-21T14:36:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5542]  
coverage : 2018-03-18 / 2018-11-07  
created : 2023-08-21T14:36:06

## trend of normalized read-noise & temperatures

