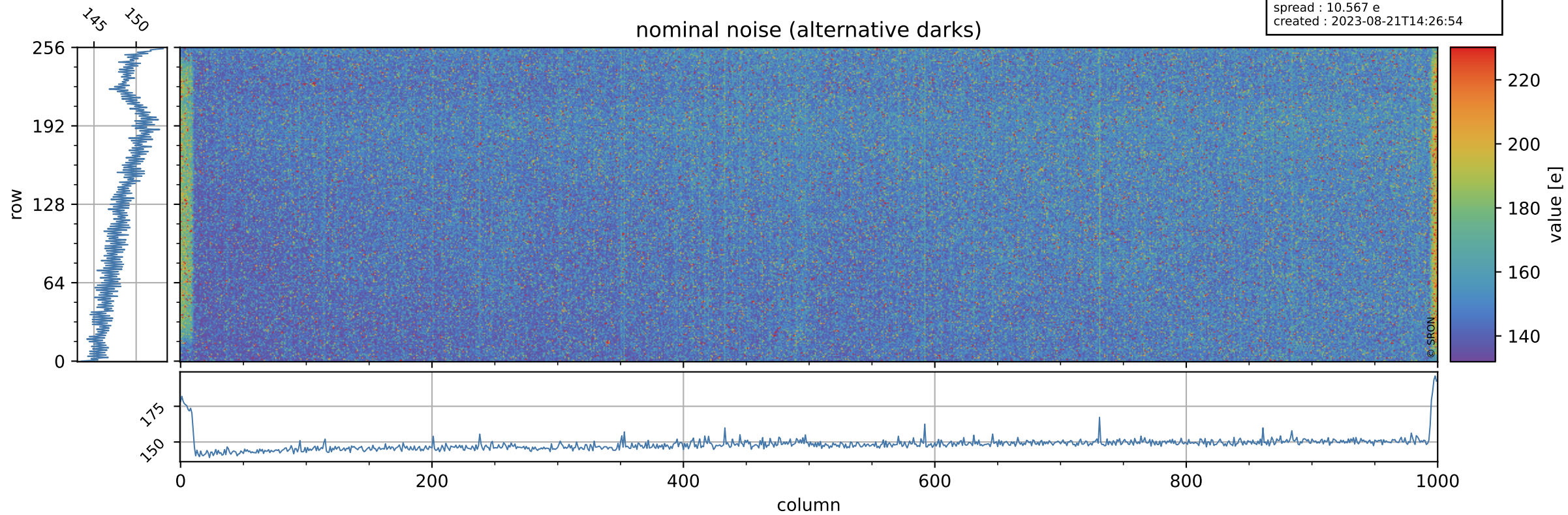


# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.27 e  
spread : 10.567 e  
created : 2023-08-21T14:26:54

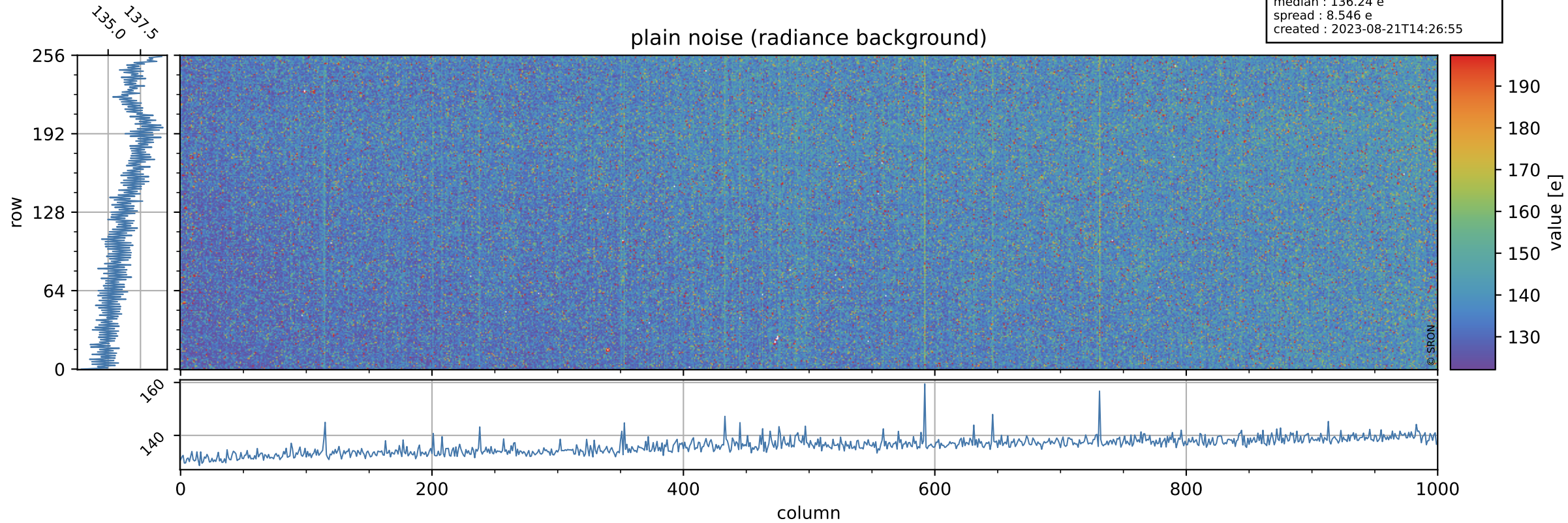
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.546 e  
created : 2023-08-21T14:26:55

plain noise (radiance background)

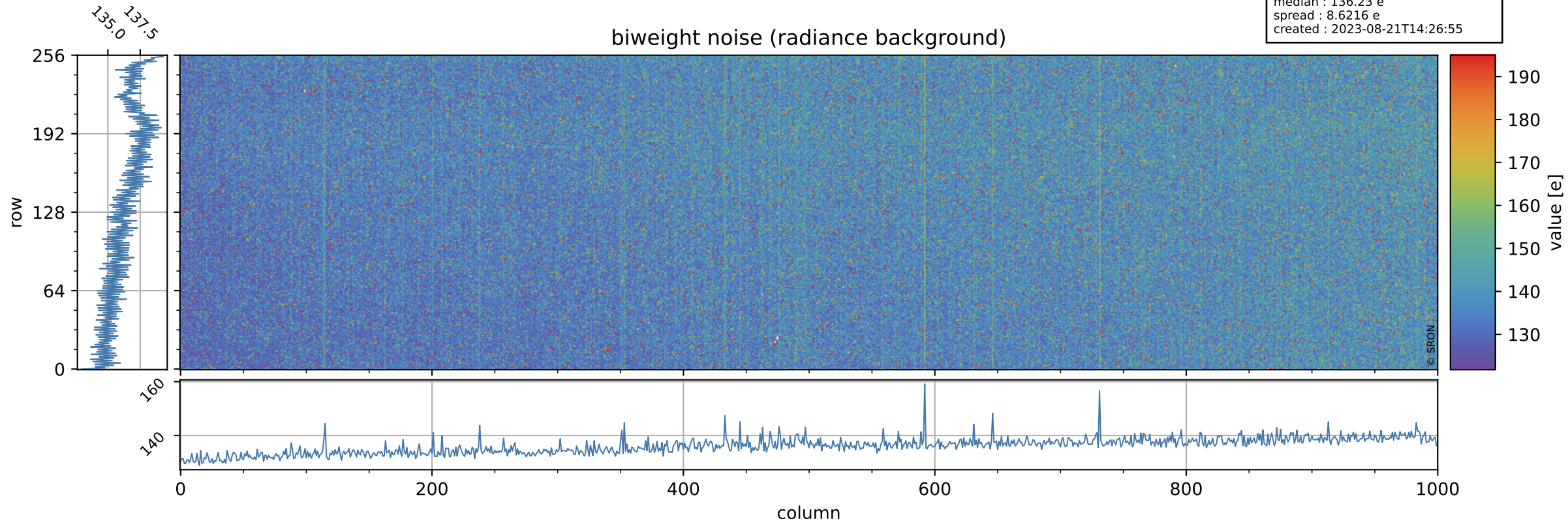




# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.6216 e  
created : 2023-08-21T14:26:55

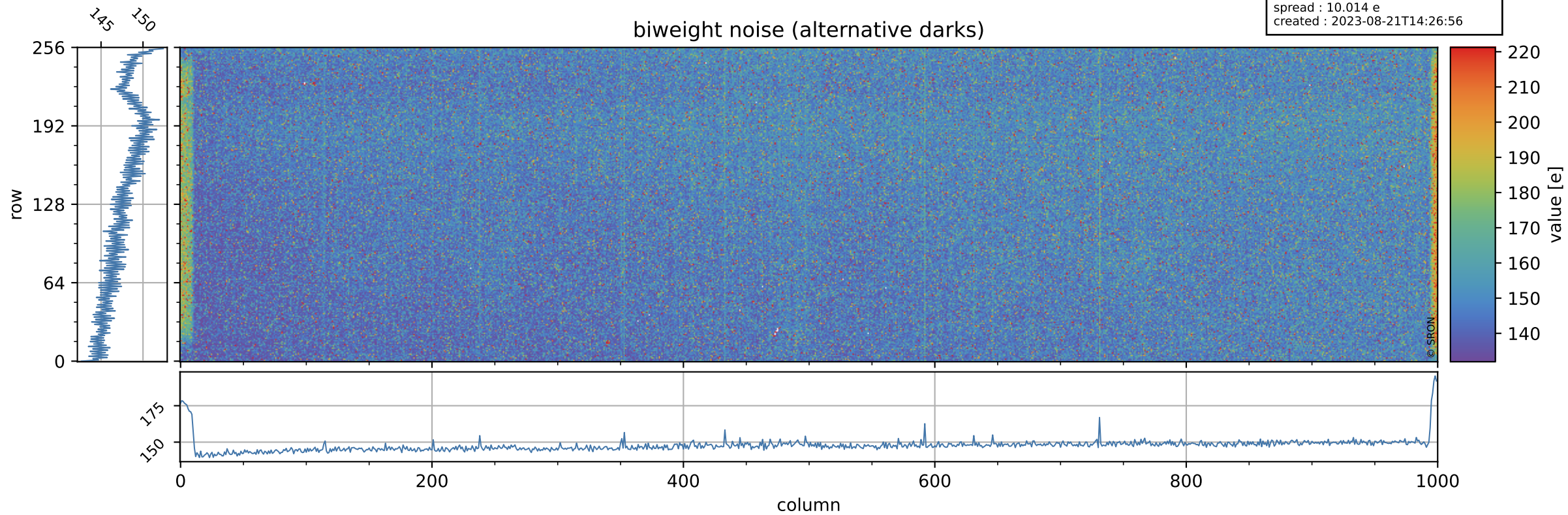
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 10.014 e  
created : 2023-08-21T14:26:56

## biweight noise (alternative darks)

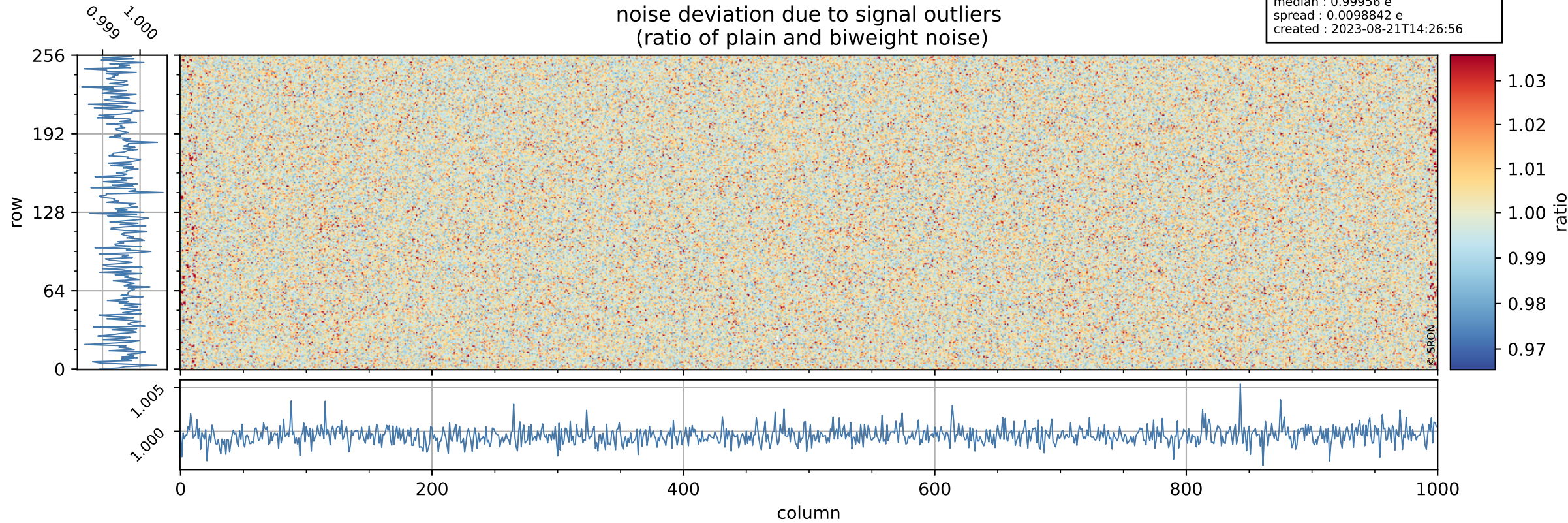




# Tropomi SWIR background noise (swir)

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

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
median : 0.99956 e  
spread : 0.0098842 e  
created : 2023-08-21T14:26:56

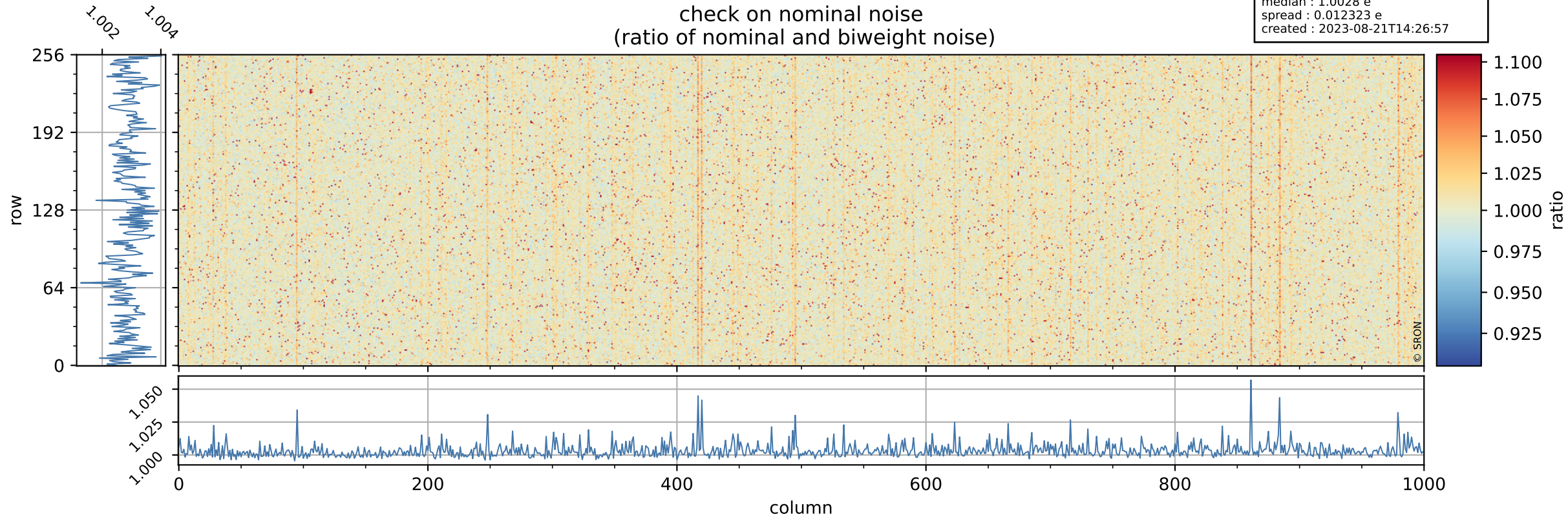




# Tropomi SWIR background noise (swir)

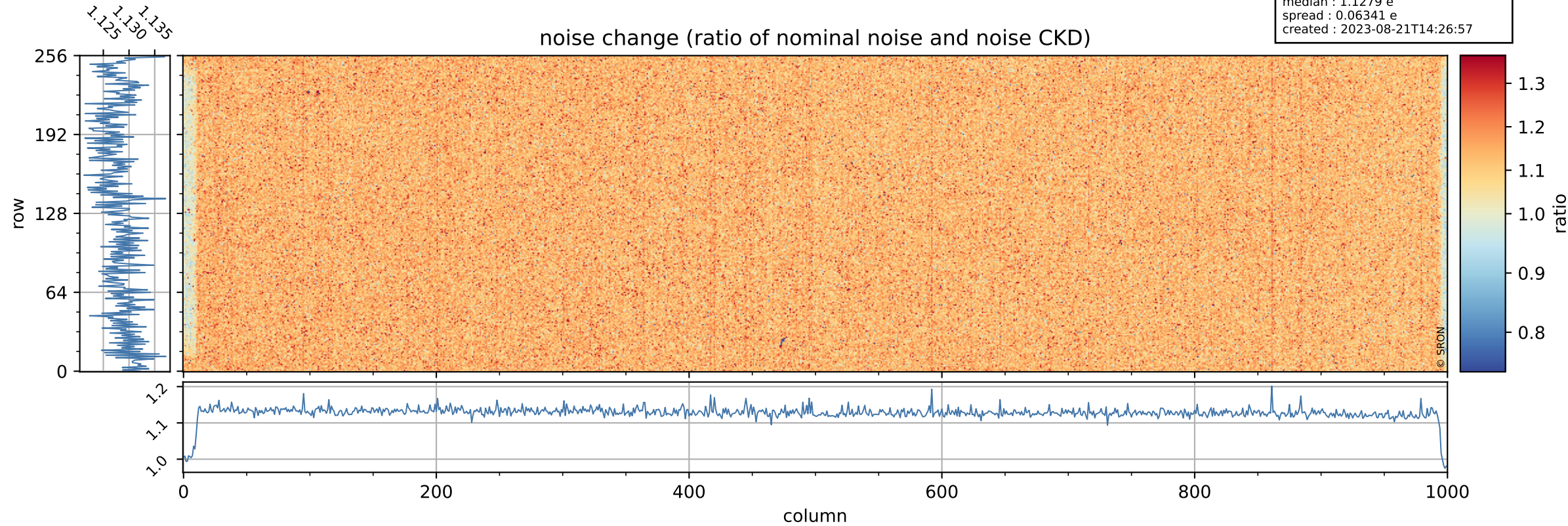
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
median : 1.0028 e  
spread : 0.012323 e  
created : 2023-08-21T14:26:57



# Tropomi SWIR background noise (swir)

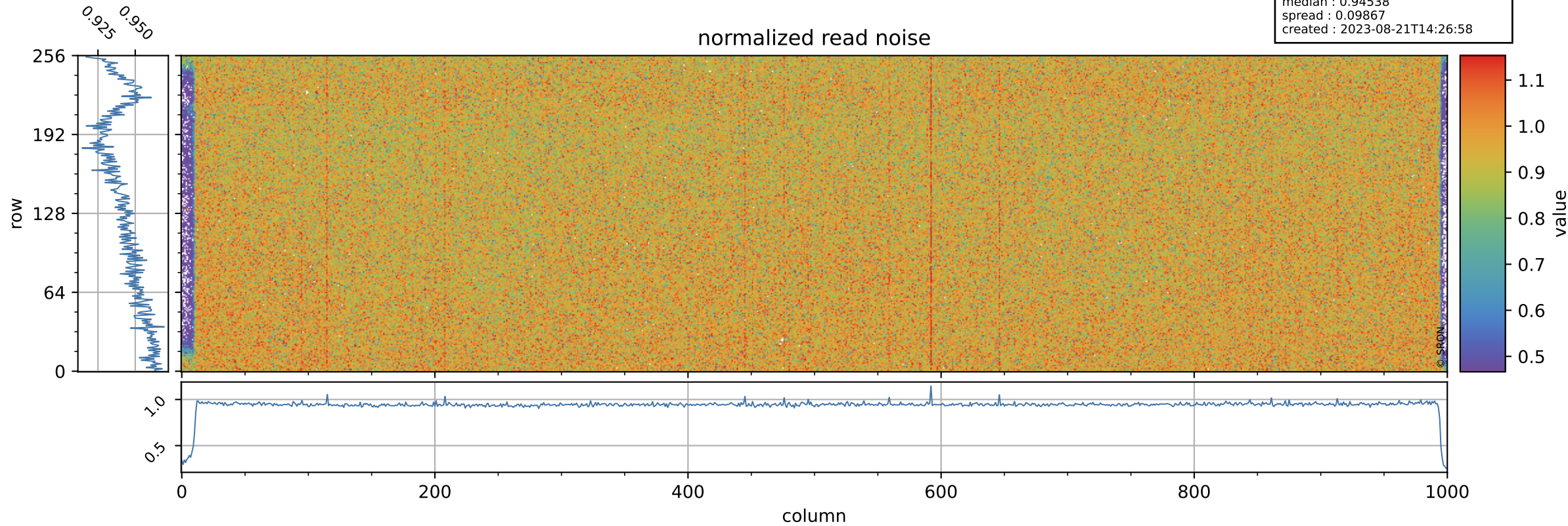
orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
median : 1.1279 e  
spread : 0.06341 e  
created : 2023-08-21T14:26:57





# Tropomi SWIR background noise (swir)

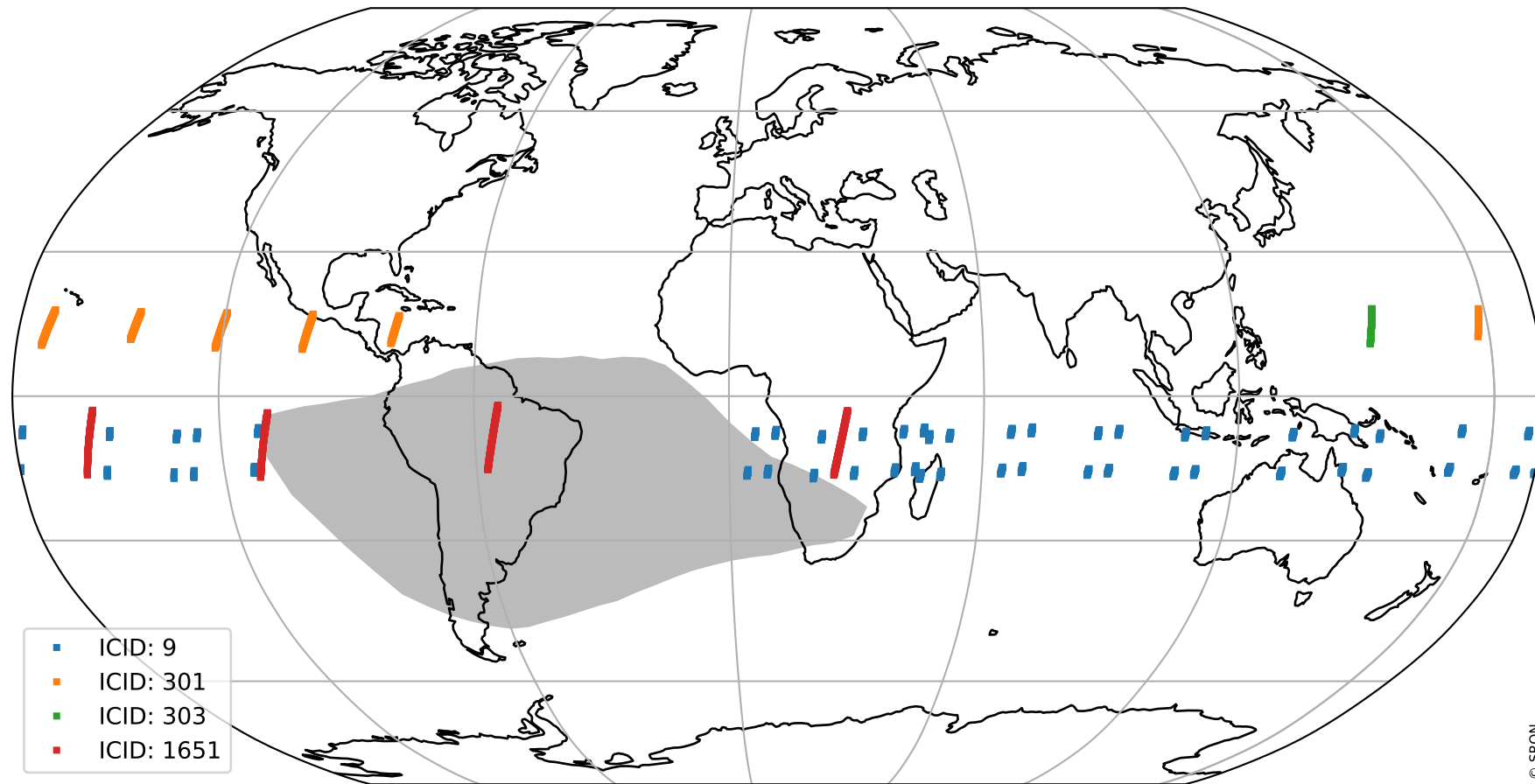
orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
median : 0.94538  
spread : 0.09867  
created : 2023-08-21T14:26:58





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

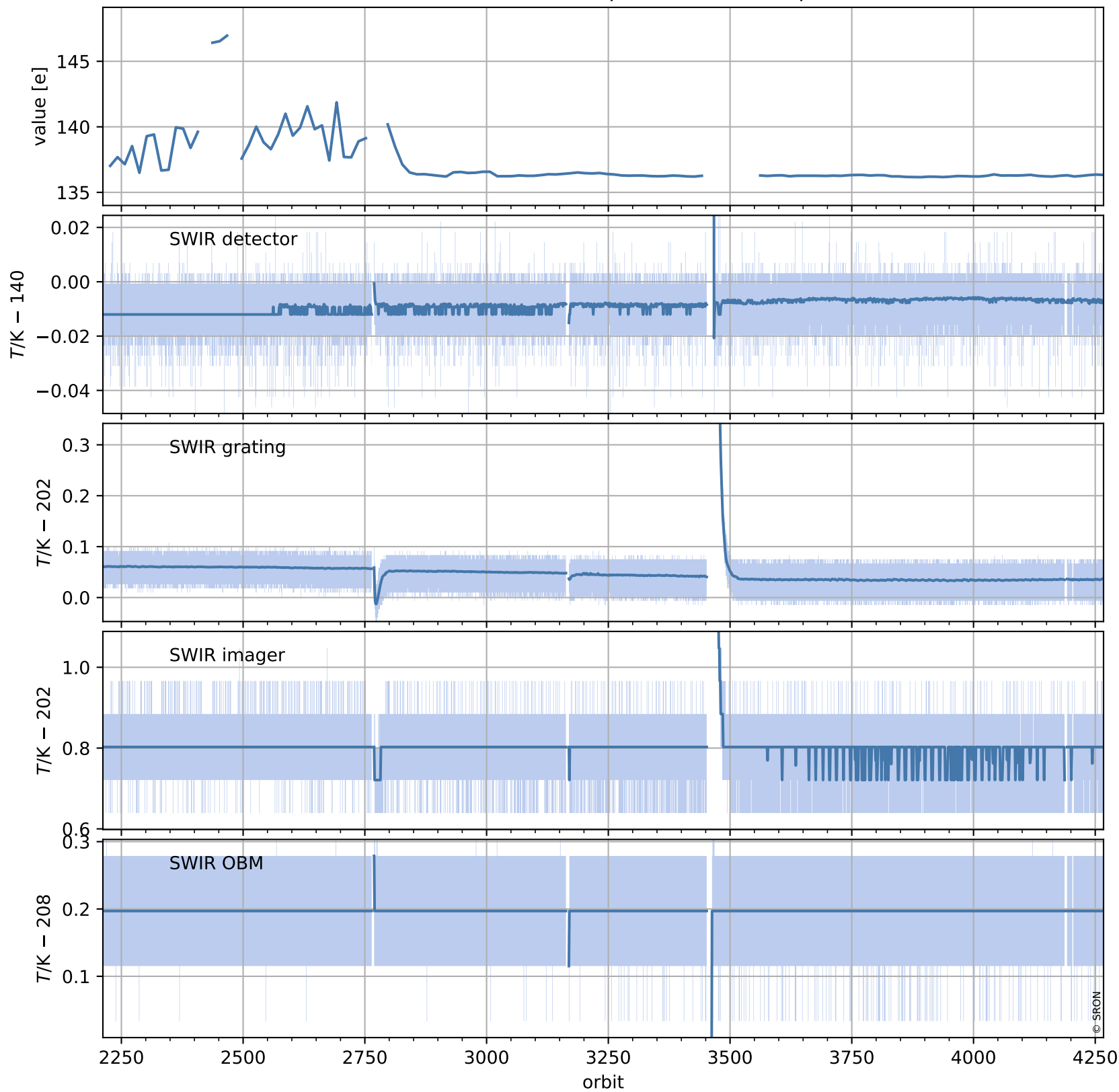
orbits : 11 in [4177, 4267]  
coverage : 2018-08-04 / 2018-08-10  
created : 2023-08-21T14:26:58



# Tropomi SWIR background noise (swir)

orbits : [2212, 4267]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:26:58

## trend of detector median of plain noise & temperatures

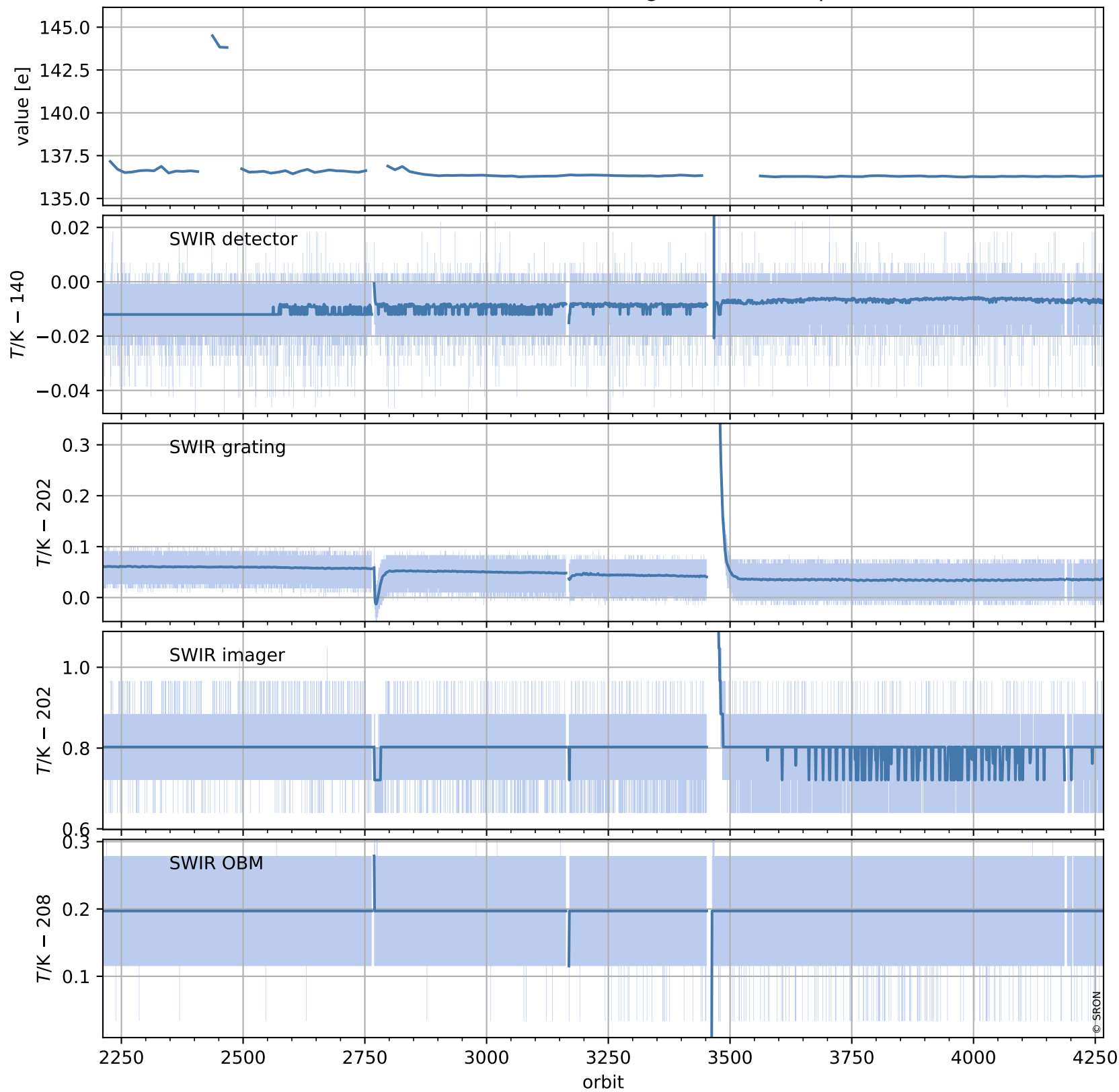




# Tropomi SWIR background noise (swir)

orbits : [2212, 4267]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:26:59

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4267]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:27:00

## trend of normalized read-noise & temperatures

