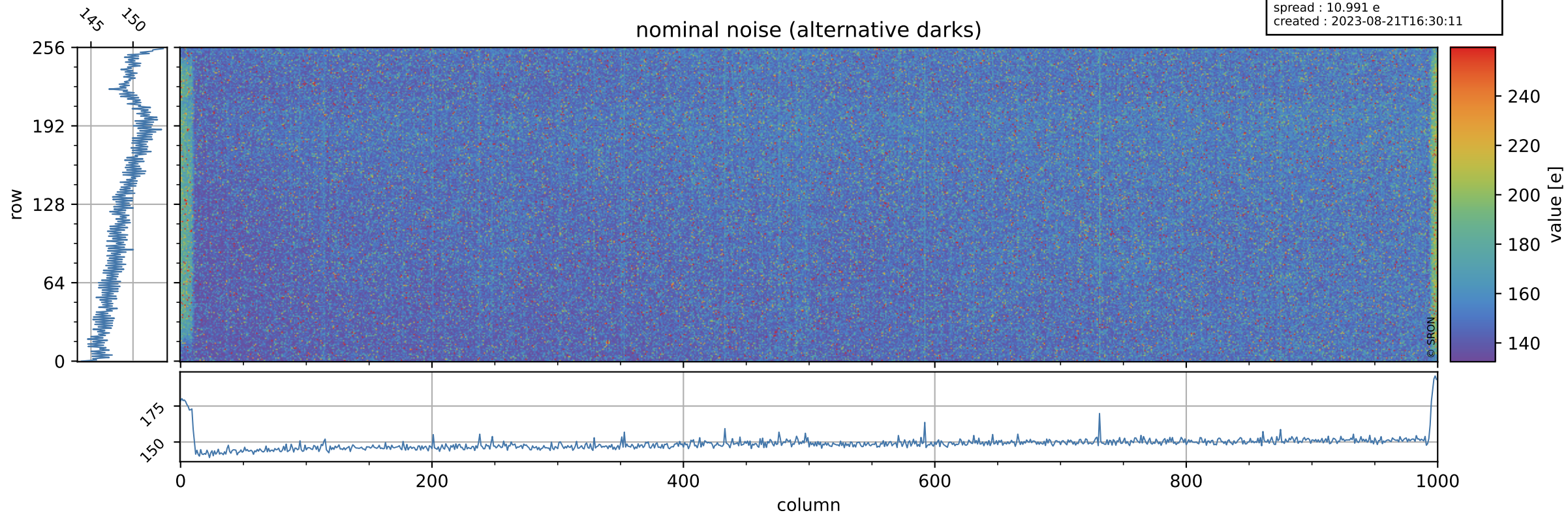


# Tropomi SWIR background noise (swir)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.79 e  
spread : 10.991 e  
created : 2023-08-21T16:30:11

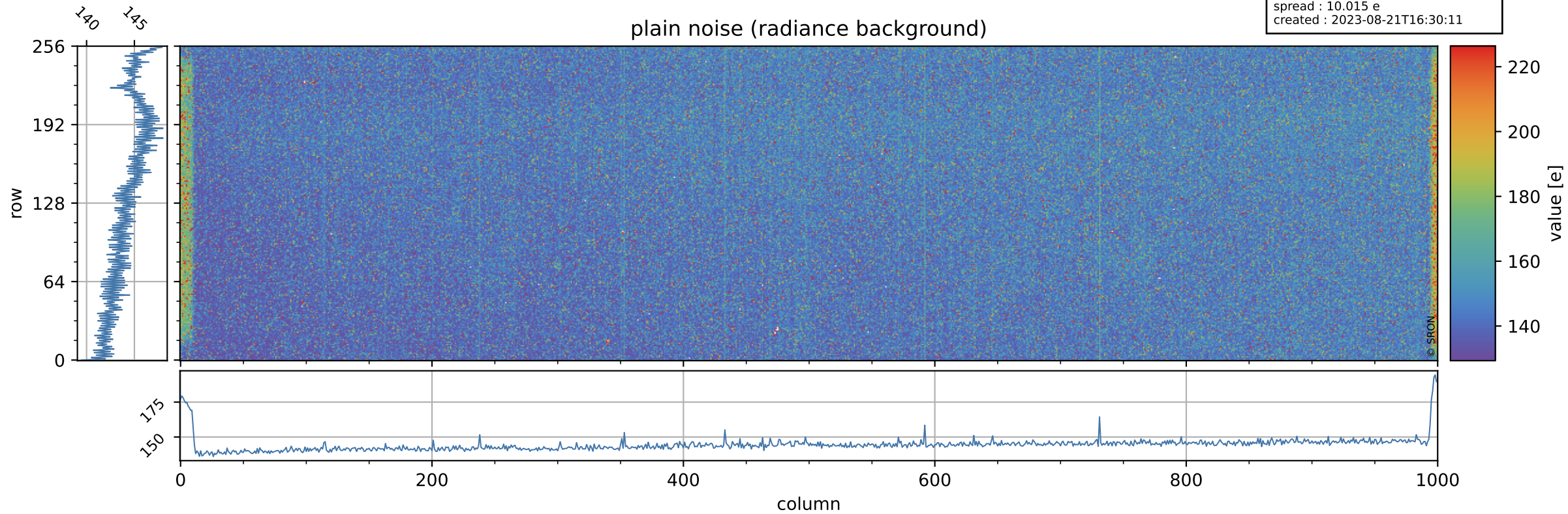
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
n\_coad, t\_exp : 1, 0.8383  
median : 144.18 e  
spread : 10.015 e  
created : 2023-08-21T16:30:11

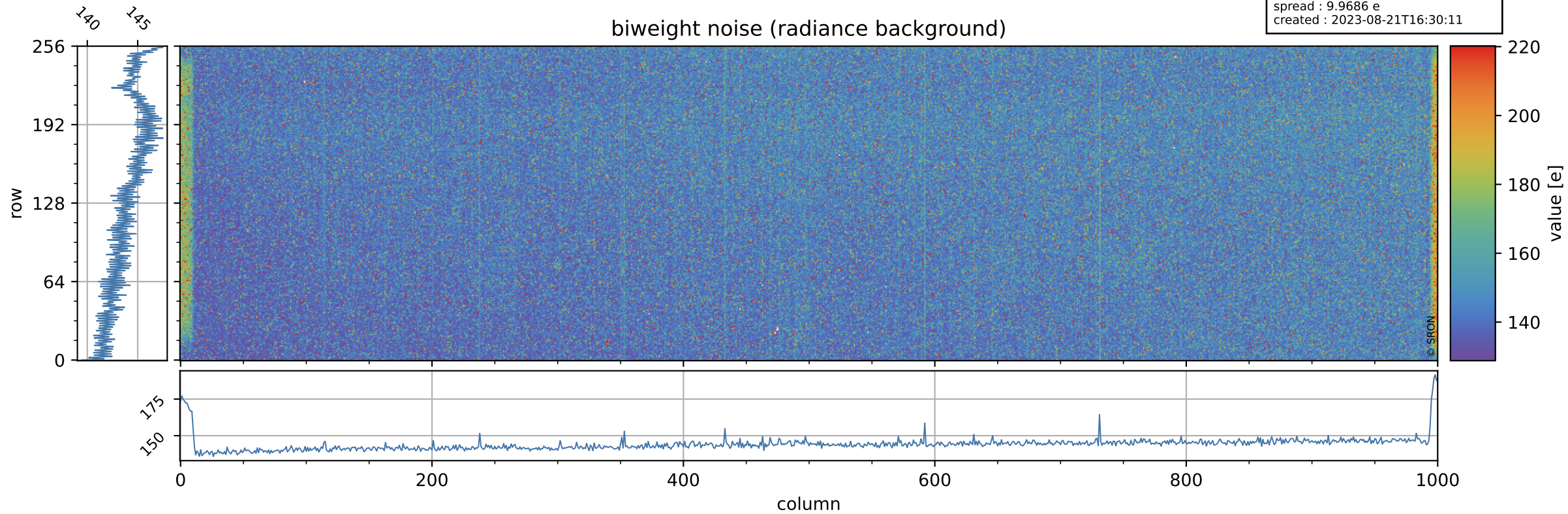
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.89 e  
spread : 9.9686 e  
created : 2023-08-21T16:30:11

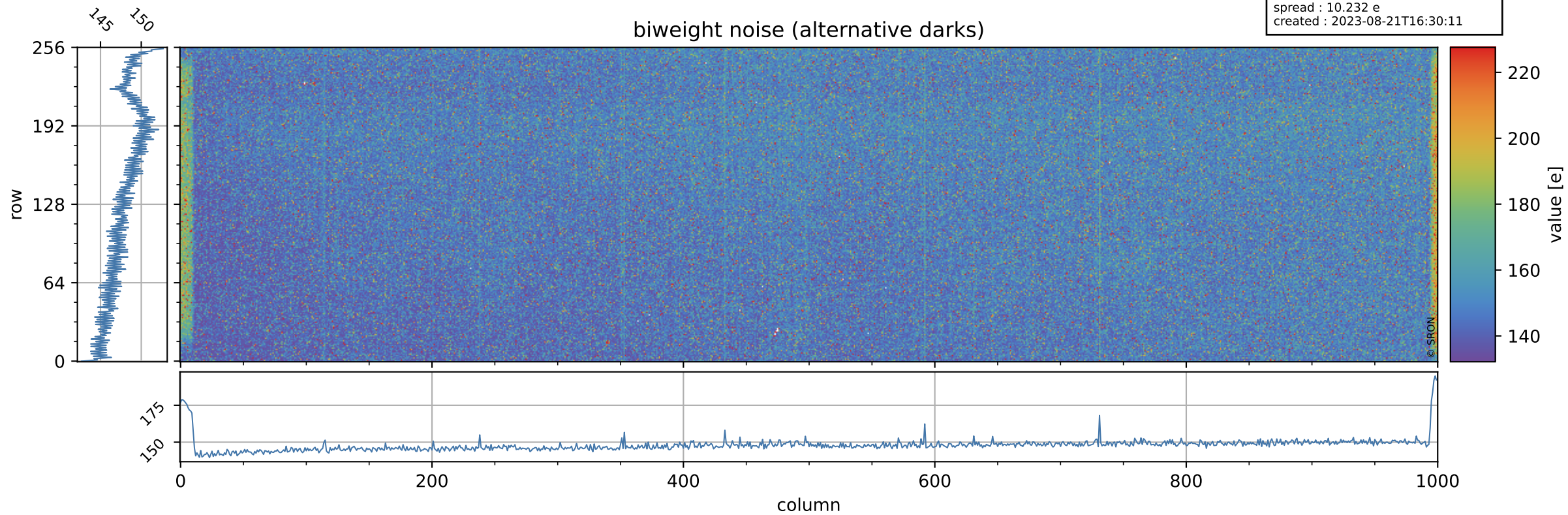
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.232 e  
created : 2023-08-21T16:30:11

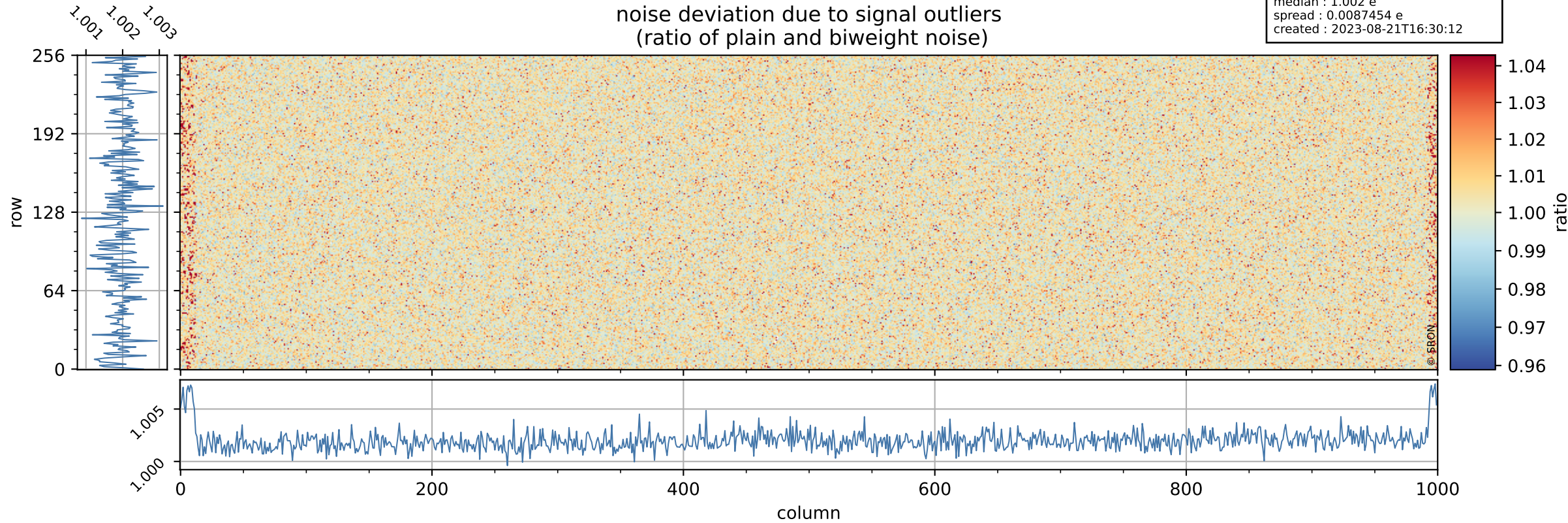
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

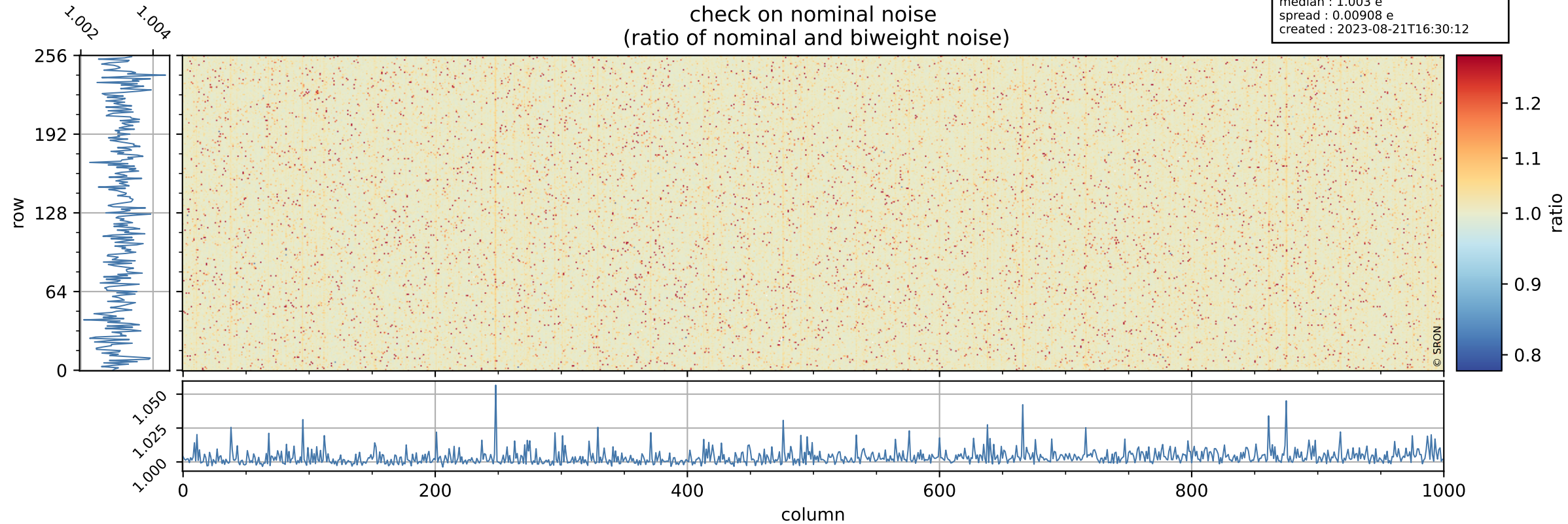
orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
median : 1.002 e  
spread : 0.0087454 e  
created : 2023-08-21T16:30:12



# Tropomi SWIR background noise (swir)

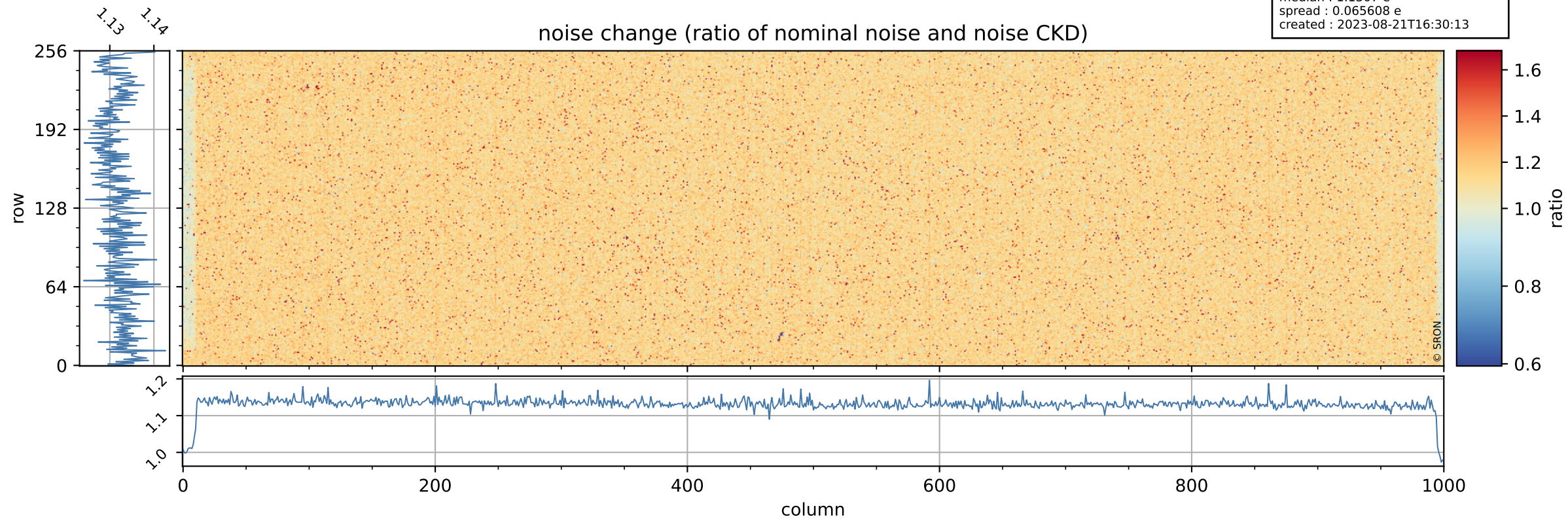
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
median : 1.003 e  
spread : 0.00908 e  
created : 2023-08-21T16:30:12



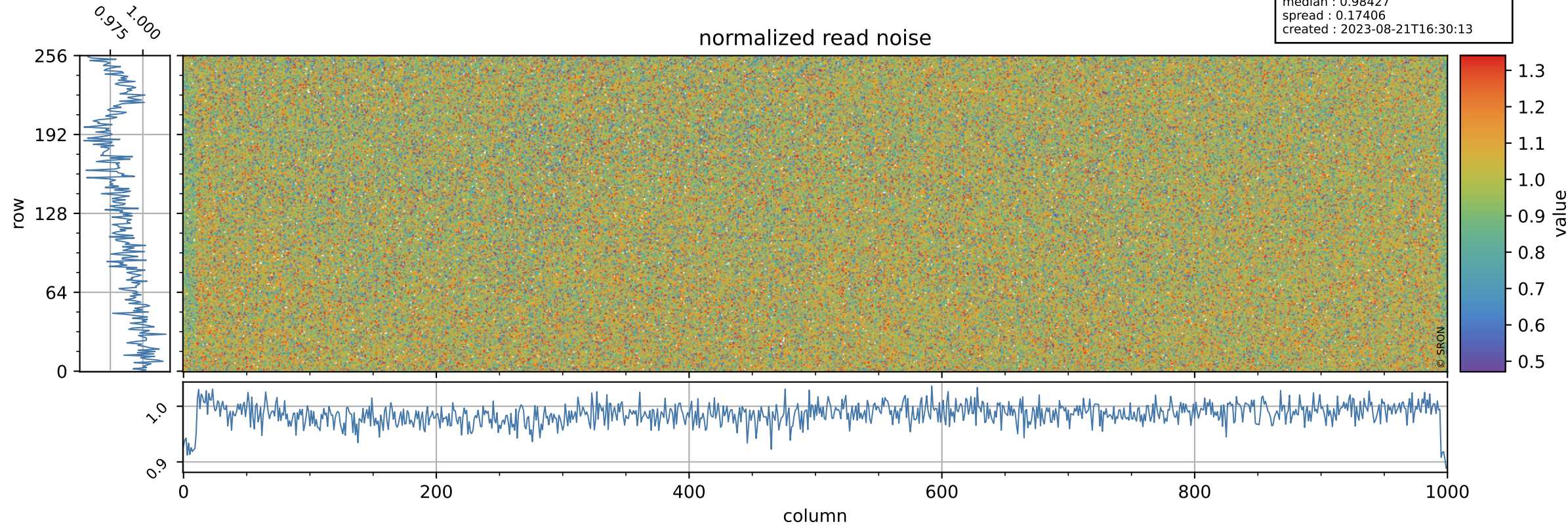
# Tropomi SWIR background noise (swir)

orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
median : 1.1307 e  
spread : 0.065608 e  
created : 2023-08-21T16:30:13



# Tropomi SWIR background noise (swir)

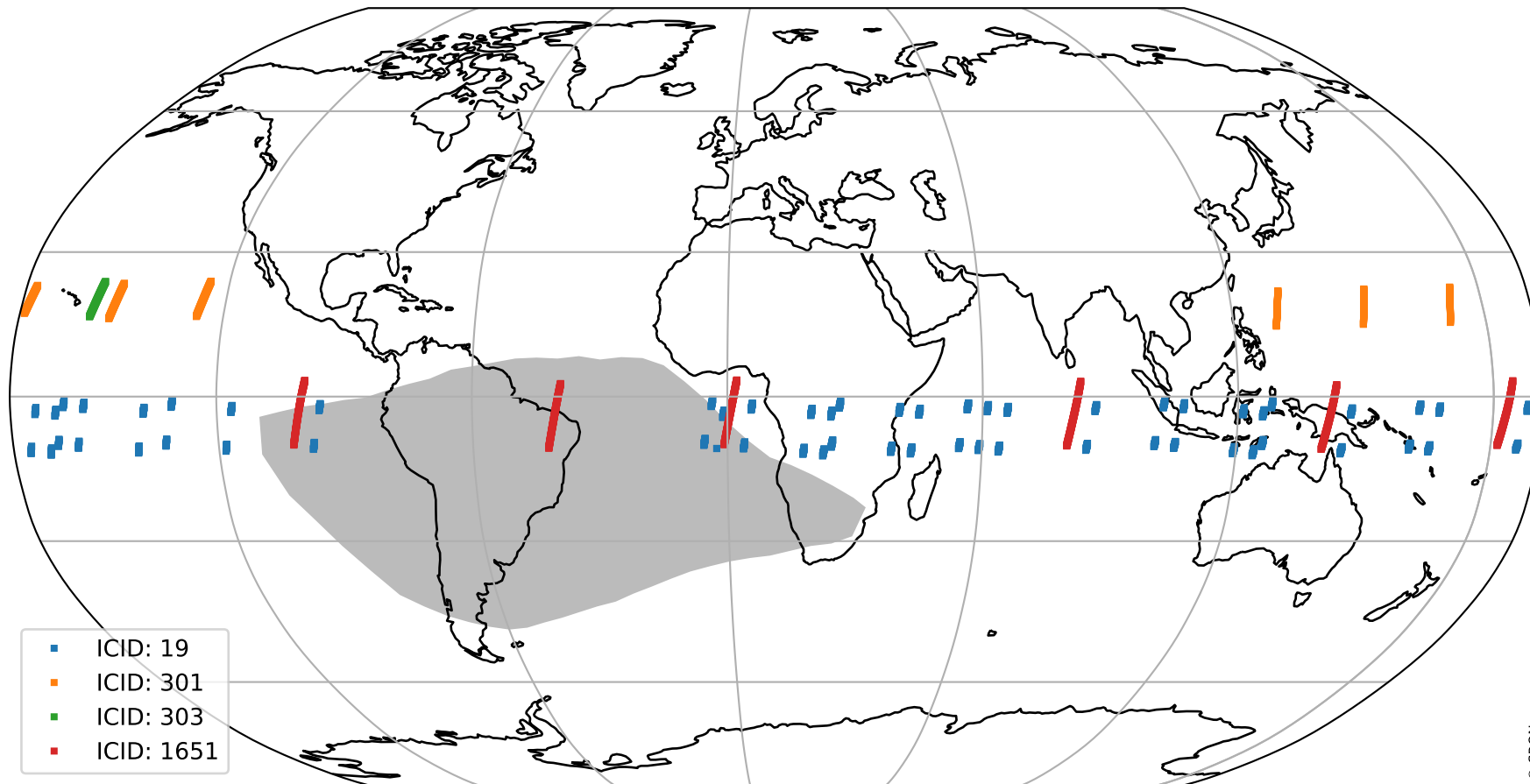
orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
median : 0.98427  
spread : 0.17406  
created : 2023-08-21T16:30:13





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

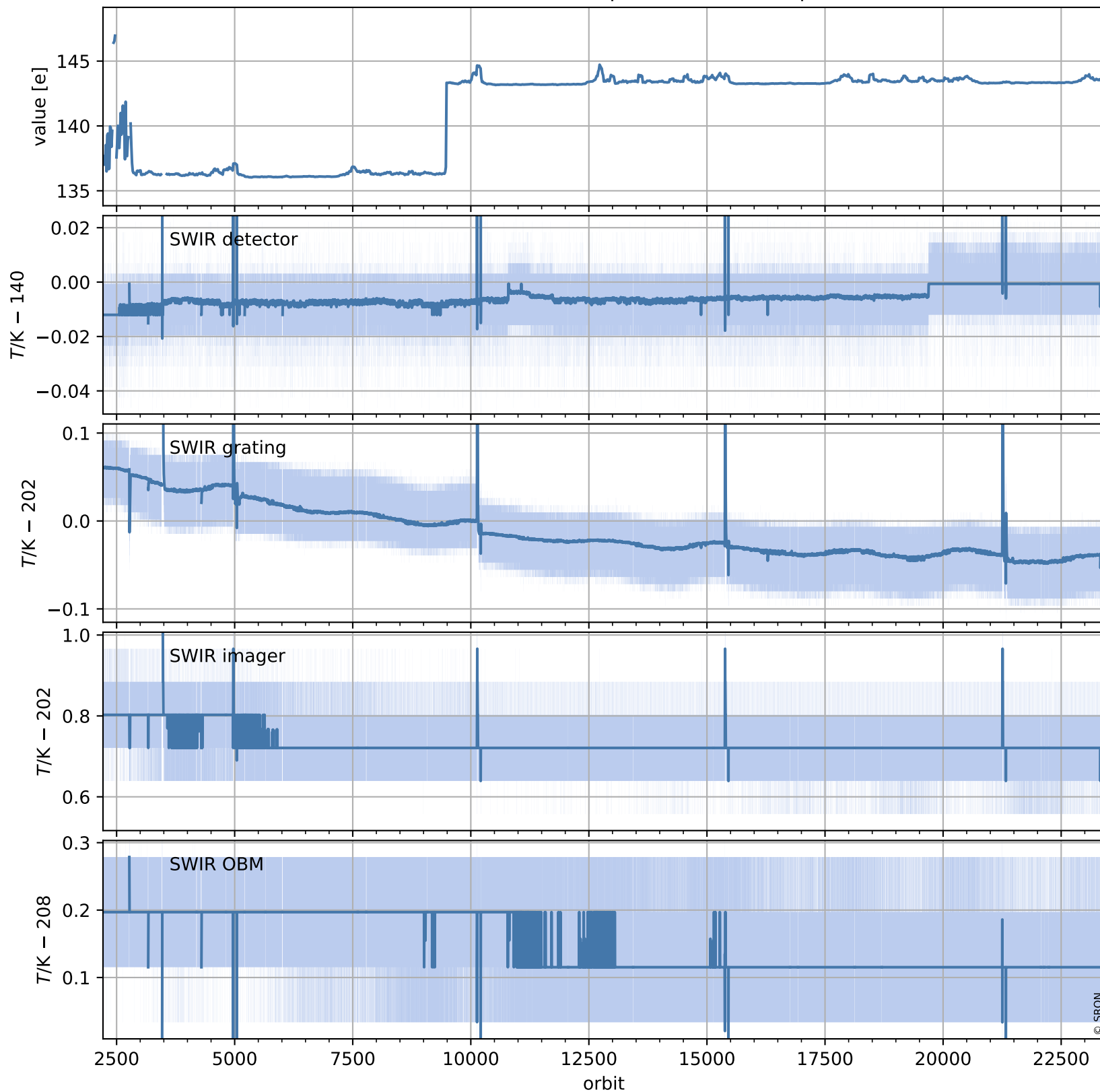
orbits : 13 in [23347, 23422]  
coverage : 2022-04-15 / 2022-04-20  
created : 2023-08-21T16:30:13



# Tropomi SWIR background noise (swir)

orbits : [2212, 23422]  
coverage : 2018-03-18 / 2022-04-20  
created : 2023-08-21T16:30:13

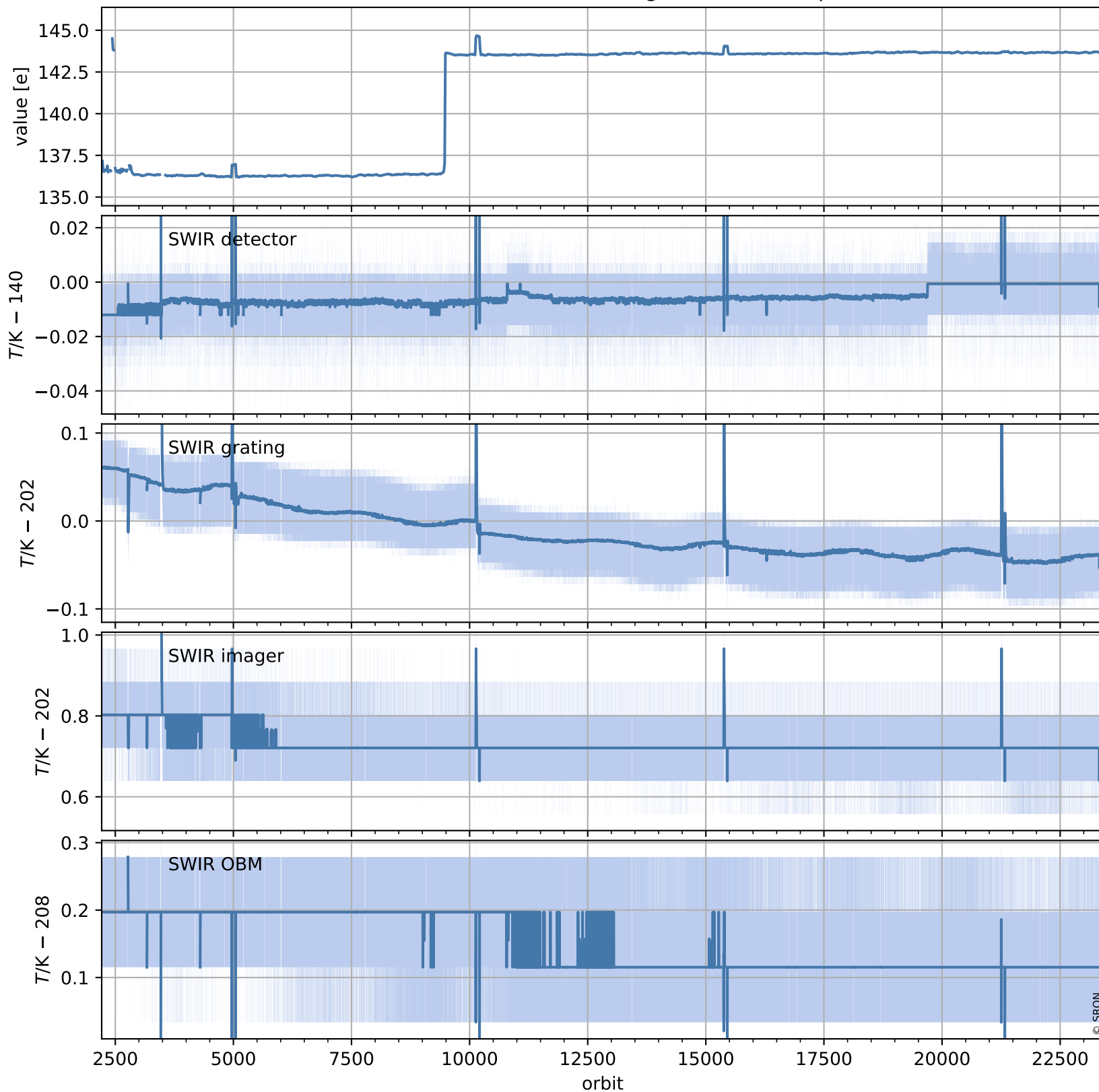
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23422]  
coverage : 2018-03-18 / 2022-04-20  
created : 2023-08-21T16:30:14

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23422]  
coverage : 2018-03-18 / 2022-04-20  
created : 2023-08-21T16:30:15

## trend of normalized read-noise & temperatures

