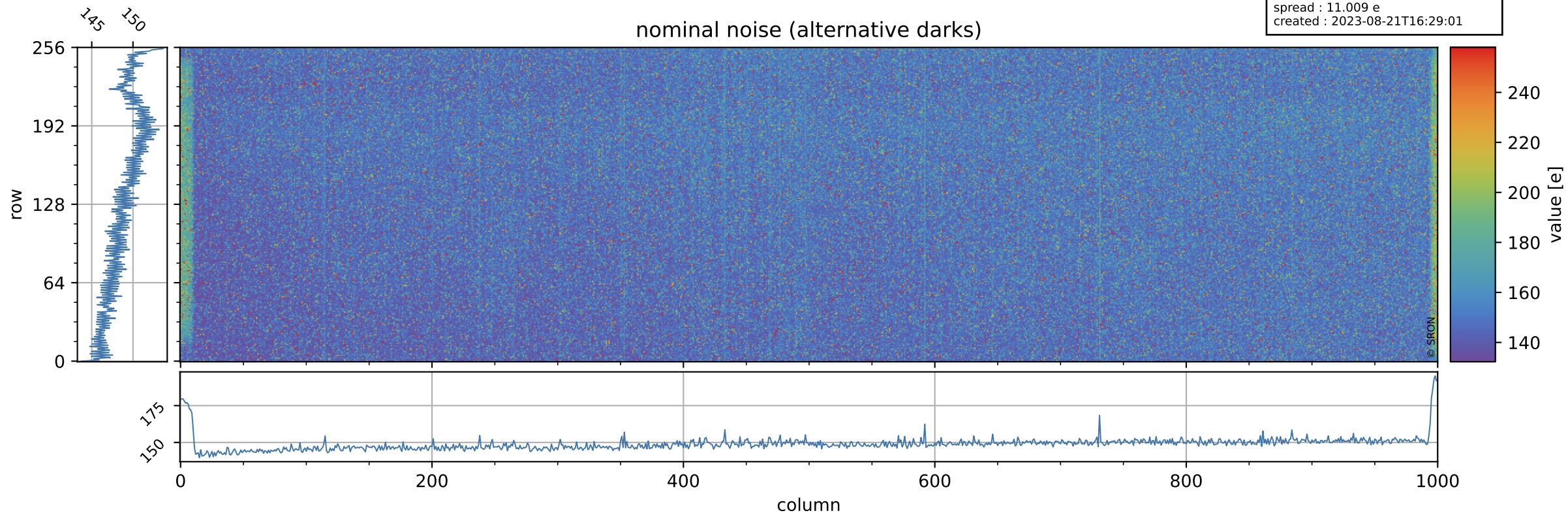


# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.77 e  
spread : 11.009 e  
created : 2023-08-21T16:29:01

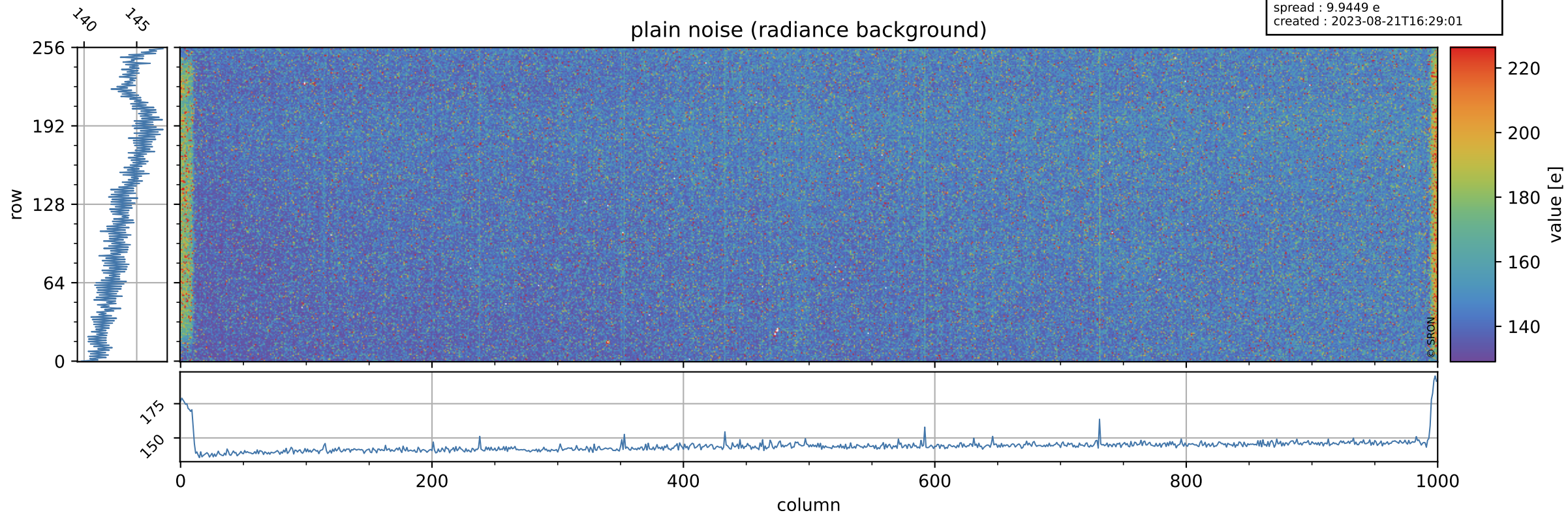
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.9449 e  
created : 2023-08-21T16:29:01

## plain noise (radiance background)

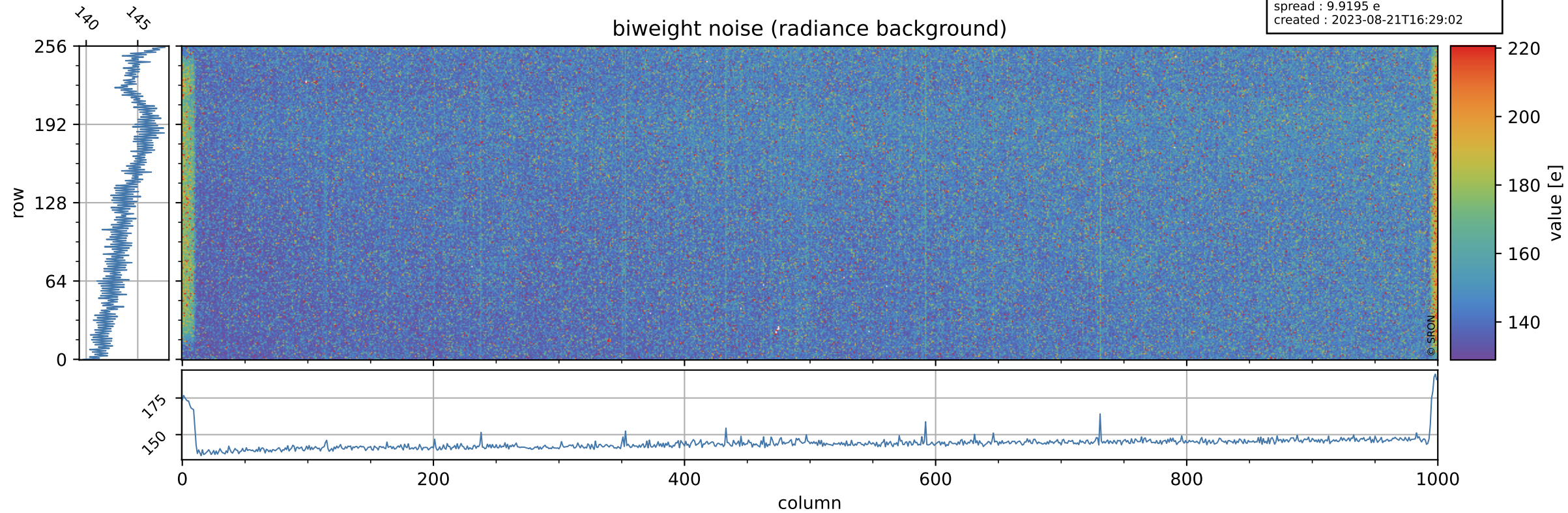




# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.9195 e  
created : 2023-08-21T16:29:02

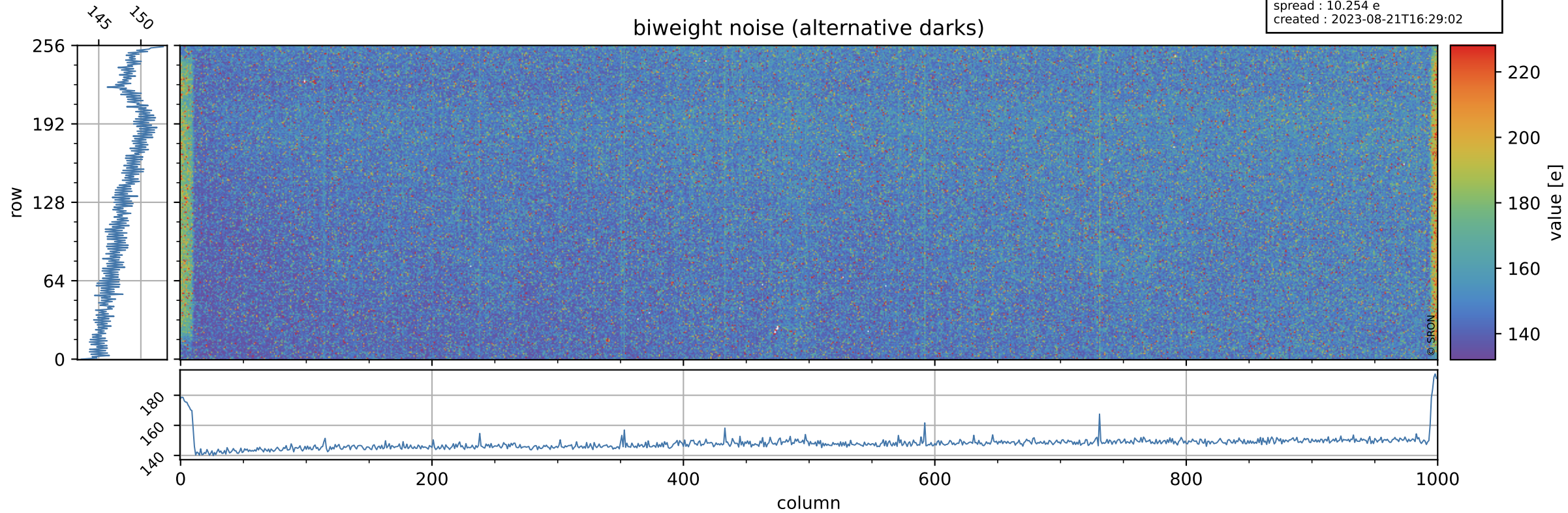
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.254 e  
created : 2023-08-21T16:29:02

## biweight noise (alternative darks)

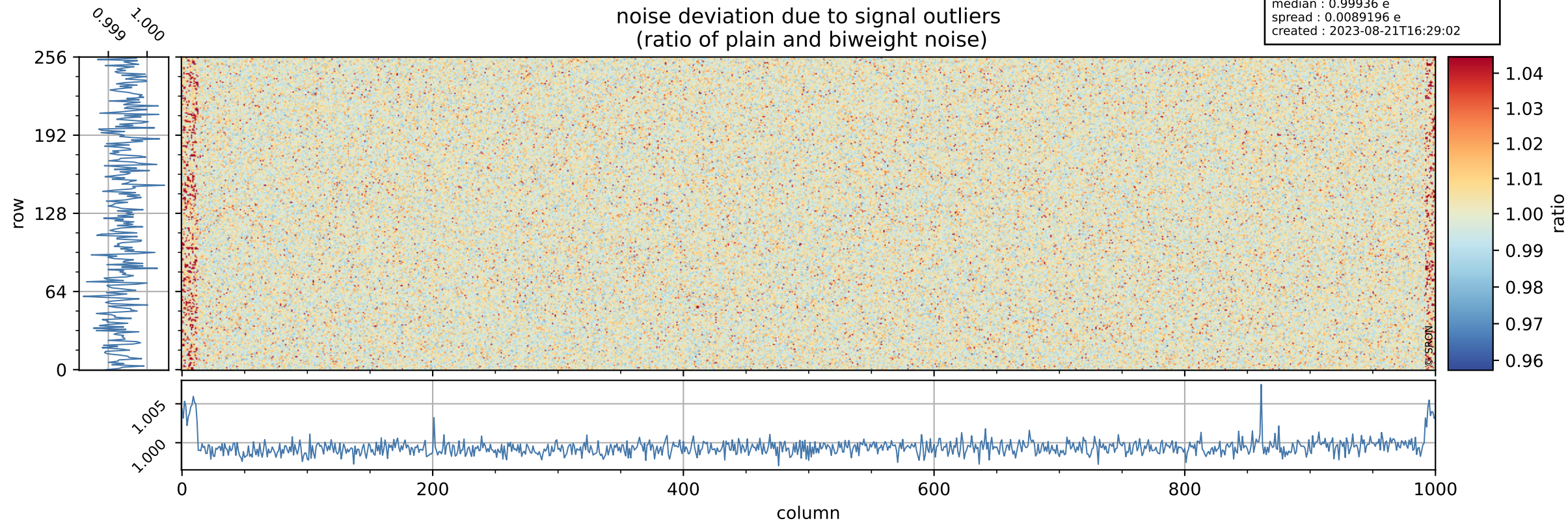




# Tropomi SWIR background noise (swir)

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

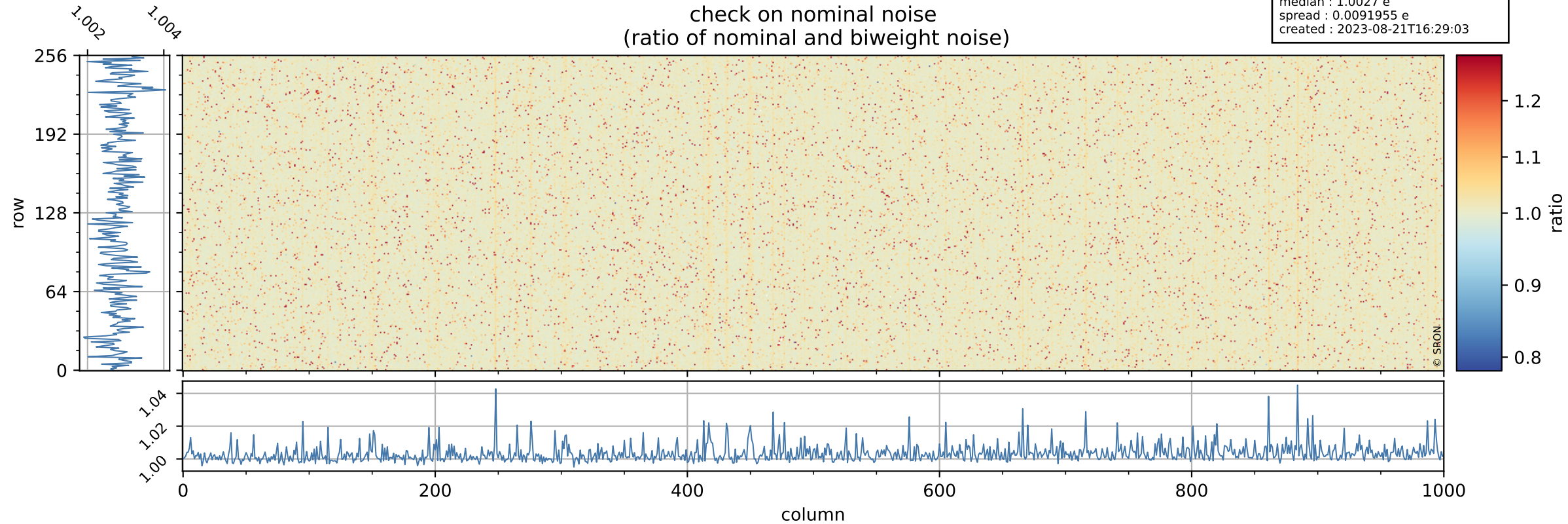
orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
median : 0.99936 e  
spread : 0.0089196 e  
created : 2023-08-21T16:29:02



# Tropomi SWIR background noise (swir)

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

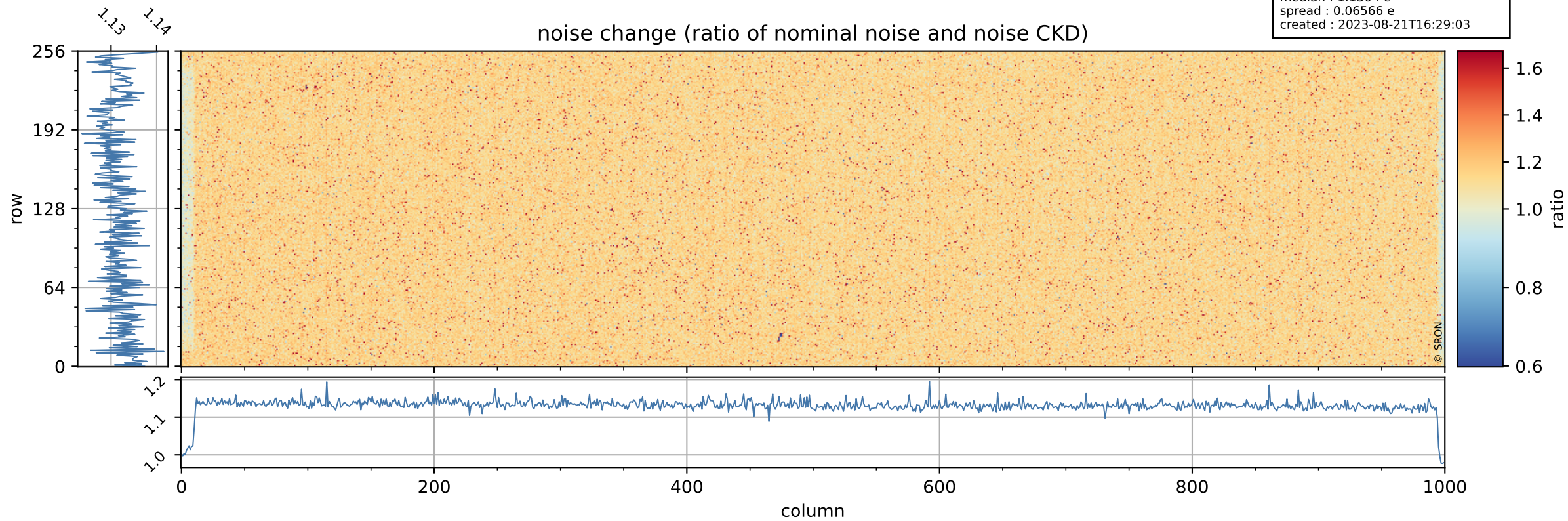
orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
median : 1.0027 e  
spread : 0.0091955 e  
created : 2023-08-21T16:29:03





# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
median : 1.1304 e  
spread : 0.06566 e  
created : 2023-08-21T16:29:03

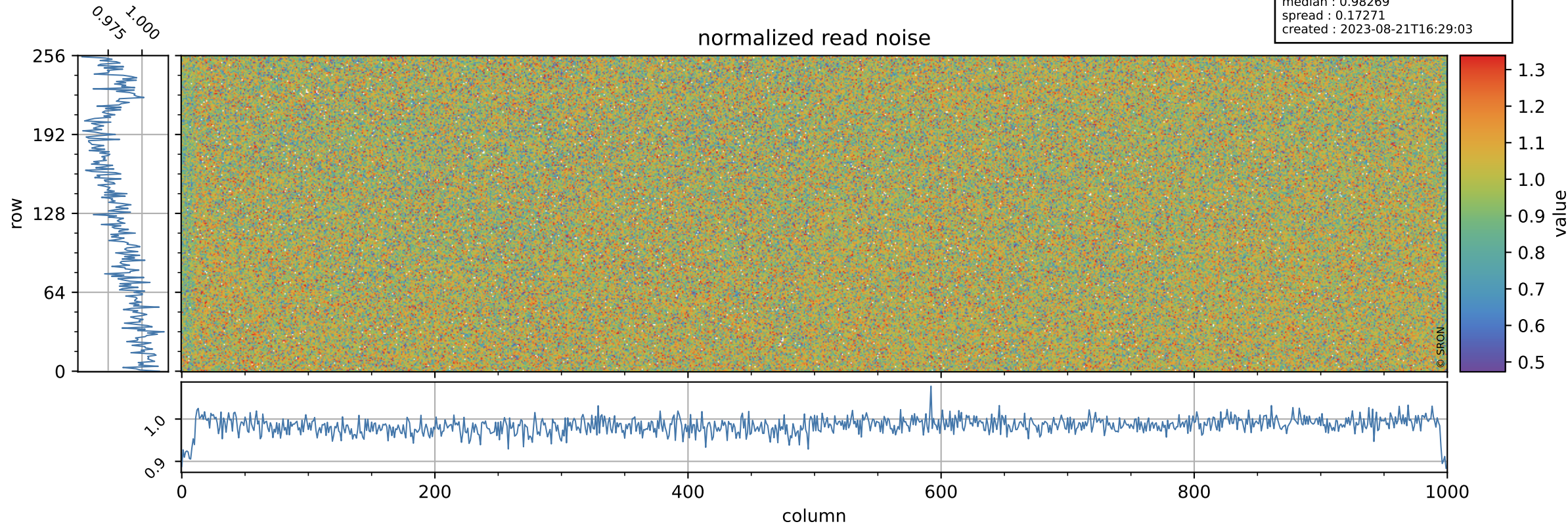




# Tropomi SWIR background noise (swir)

orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
median : 0.98269  
spread : 0.17271  
created : 2023-08-21T16:29:03

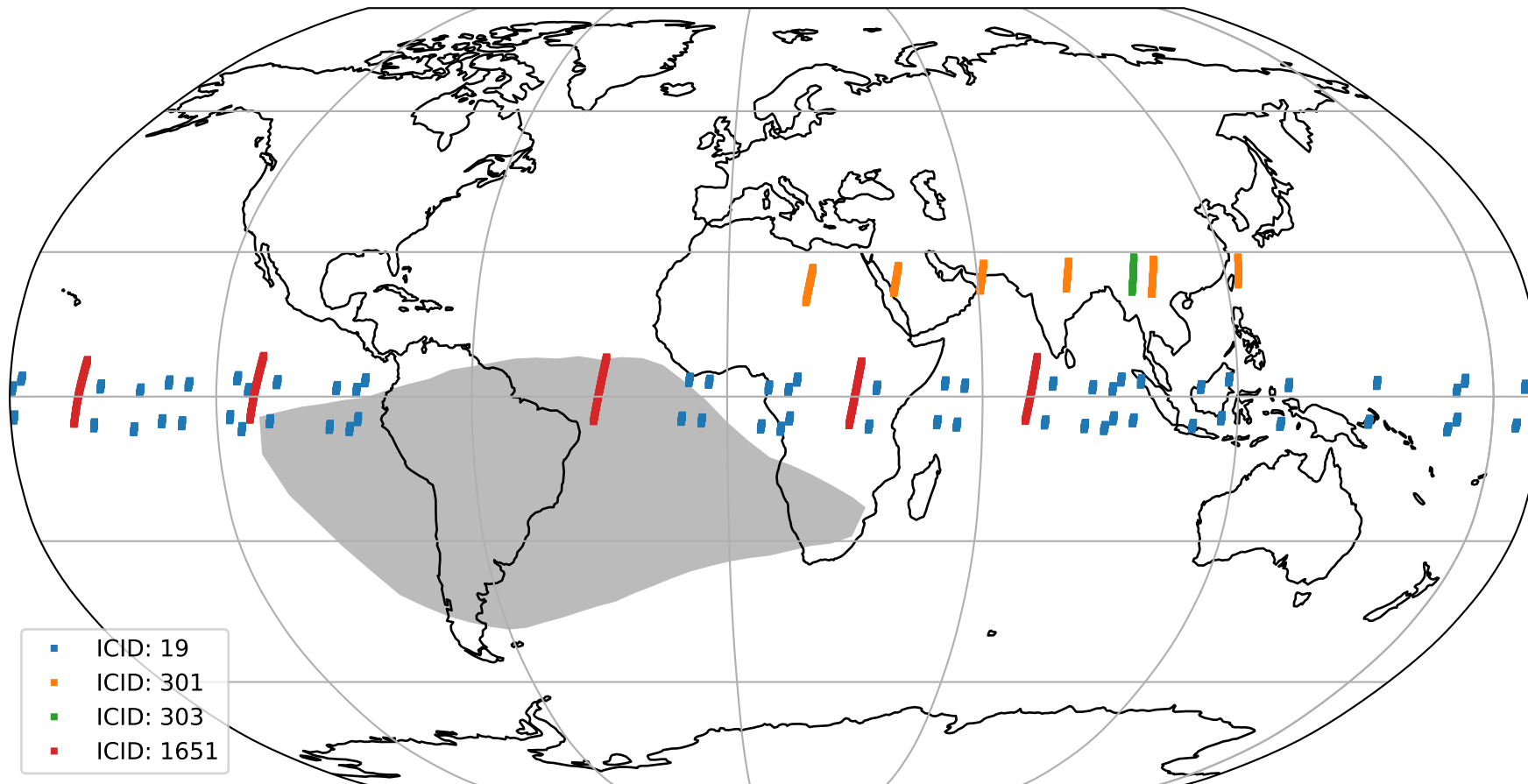
normalized read noise





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

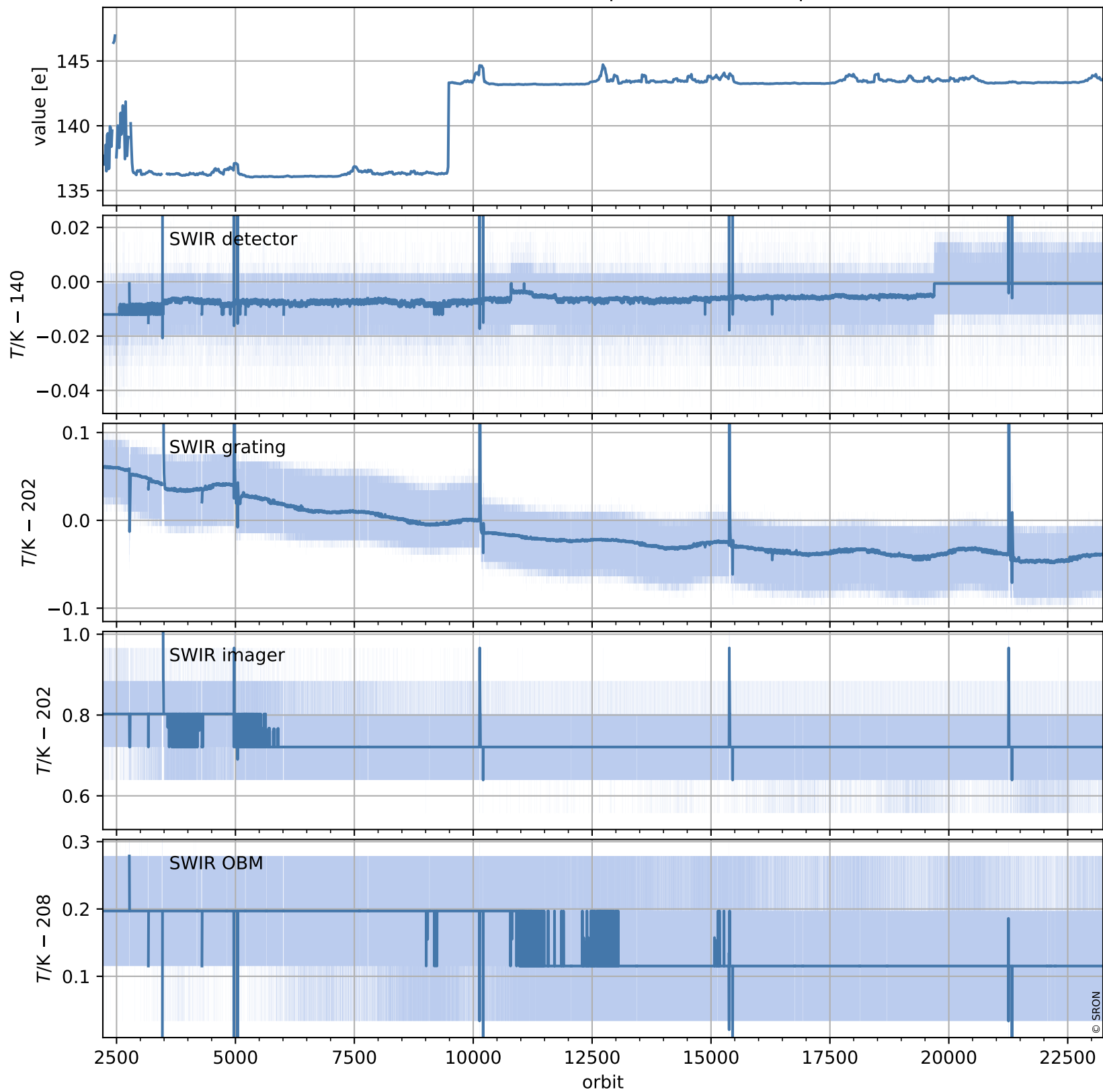
orbits : 12 in [23167, 23242]  
coverage : 2022-04-02 / 2022-04-08  
created : 2023-08-21T16:29:03



# Tropomi SWIR background noise (swir)

orbits : [2212, 23242]  
coverage : 2018-03-18 / 2022-04-08  
created : 2023-08-21T16:29:04

## trend of detector median of plain noise & temperatures

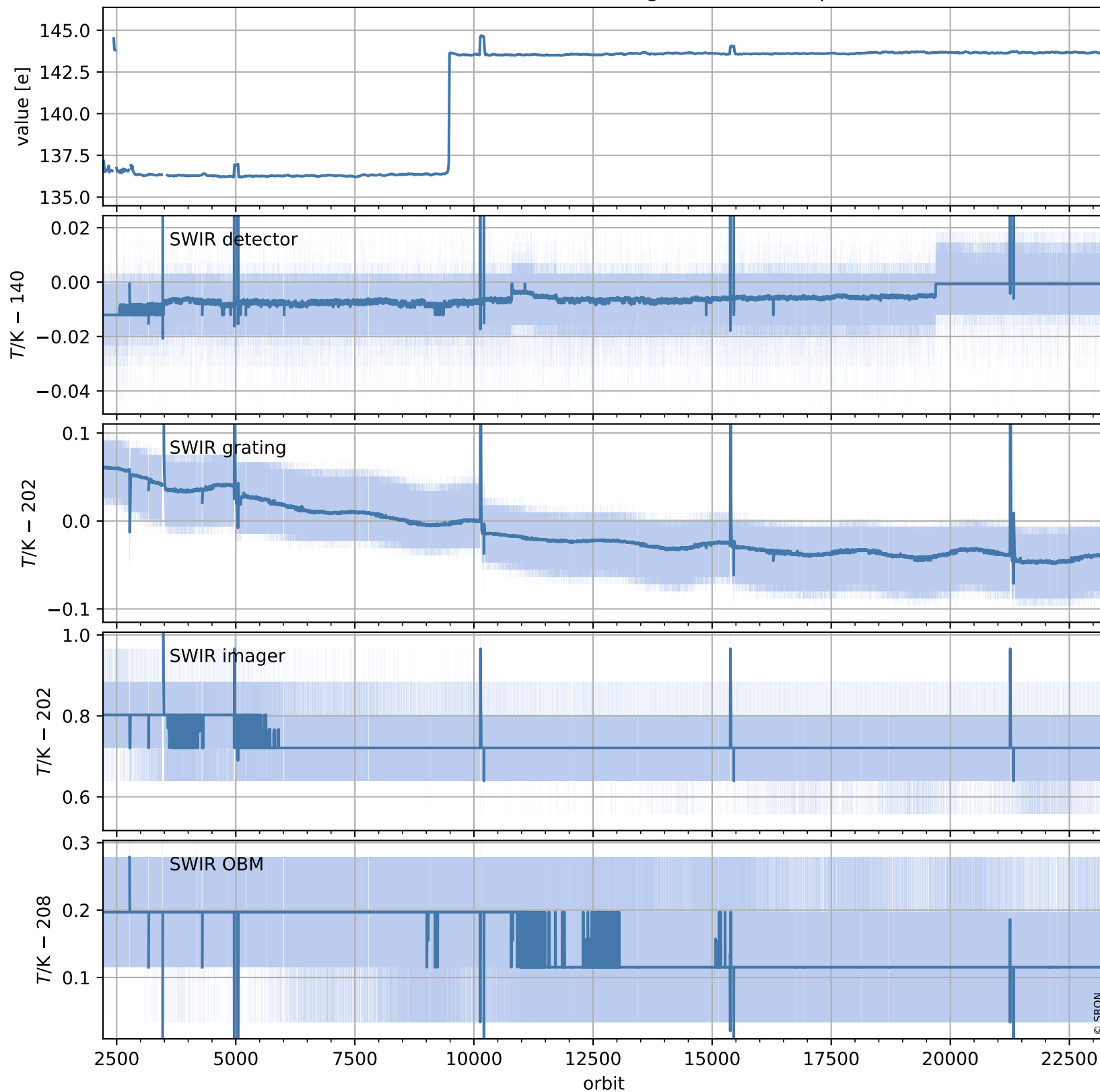




# Tropomi SWIR background noise (swir)

orbits : [2212, 23242]  
coverage : 2018-03-18 / 2022-04-08  
created : 2023-08-21T16:29:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23242]  
coverage : 2018-03-18 / 2022-04-08  
created : 2023-08-21T16:29:06

## trend of normalized read-noise & temperatures

