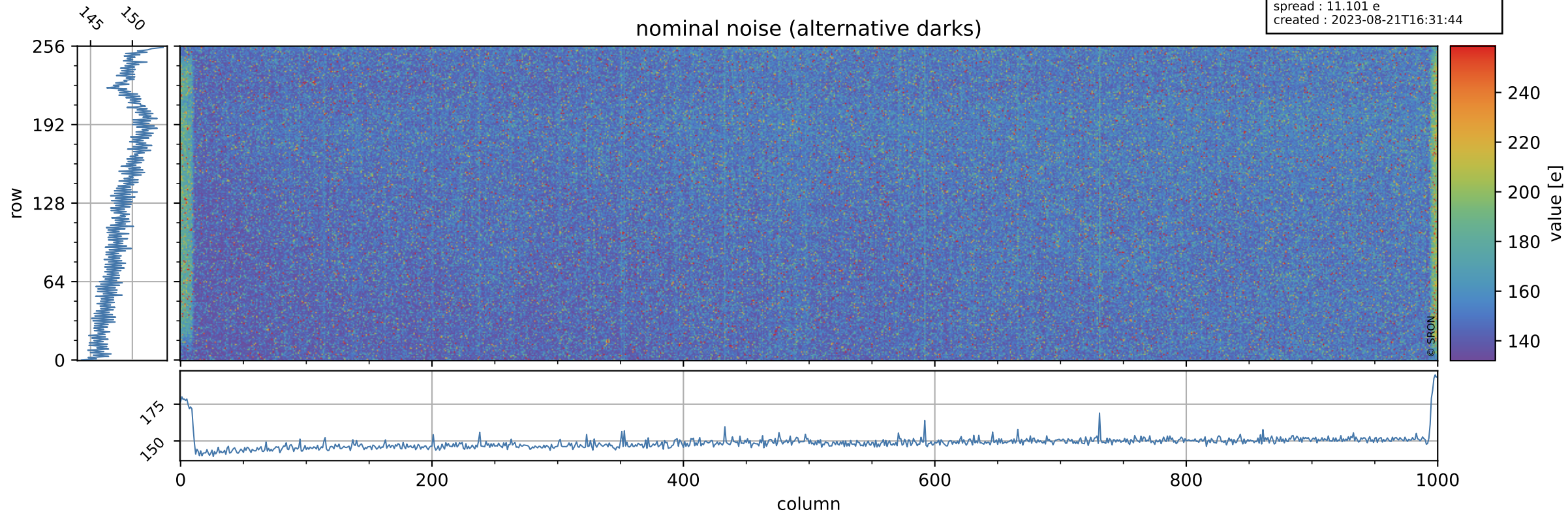


# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.76 e  
spread : 11.101 e  
created : 2023-08-21T16:31:44

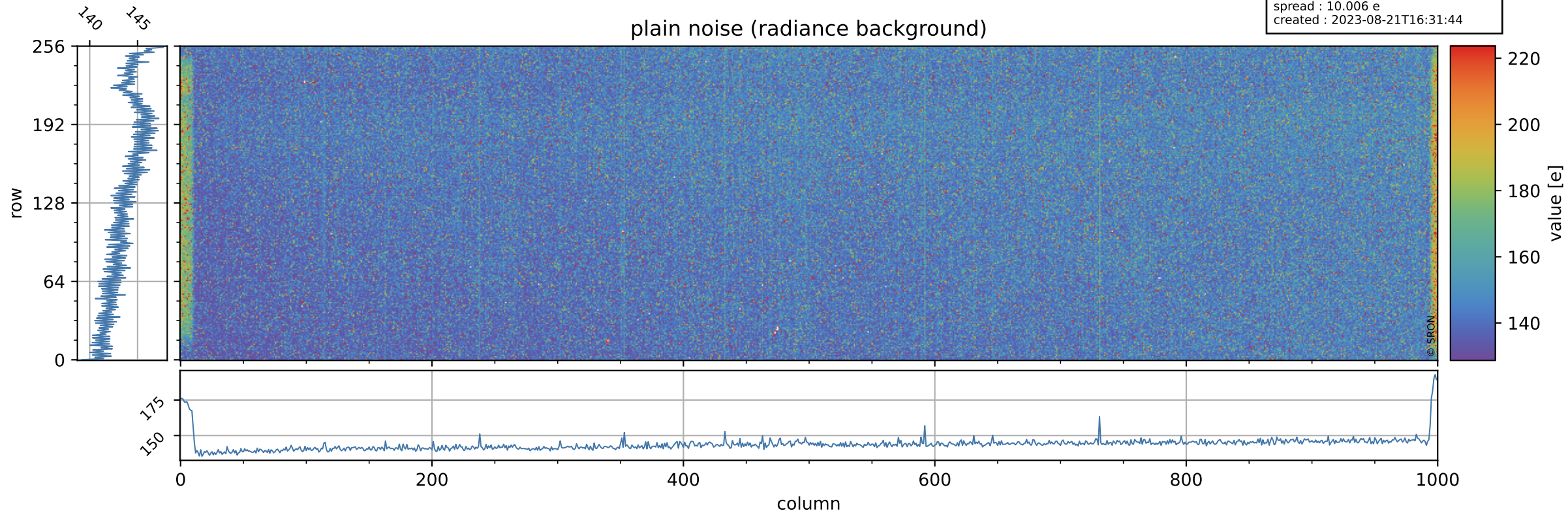
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.59 e  
spread : 10.006 e  
created : 2023-08-21T16:31:44

plain noise (radiance background)

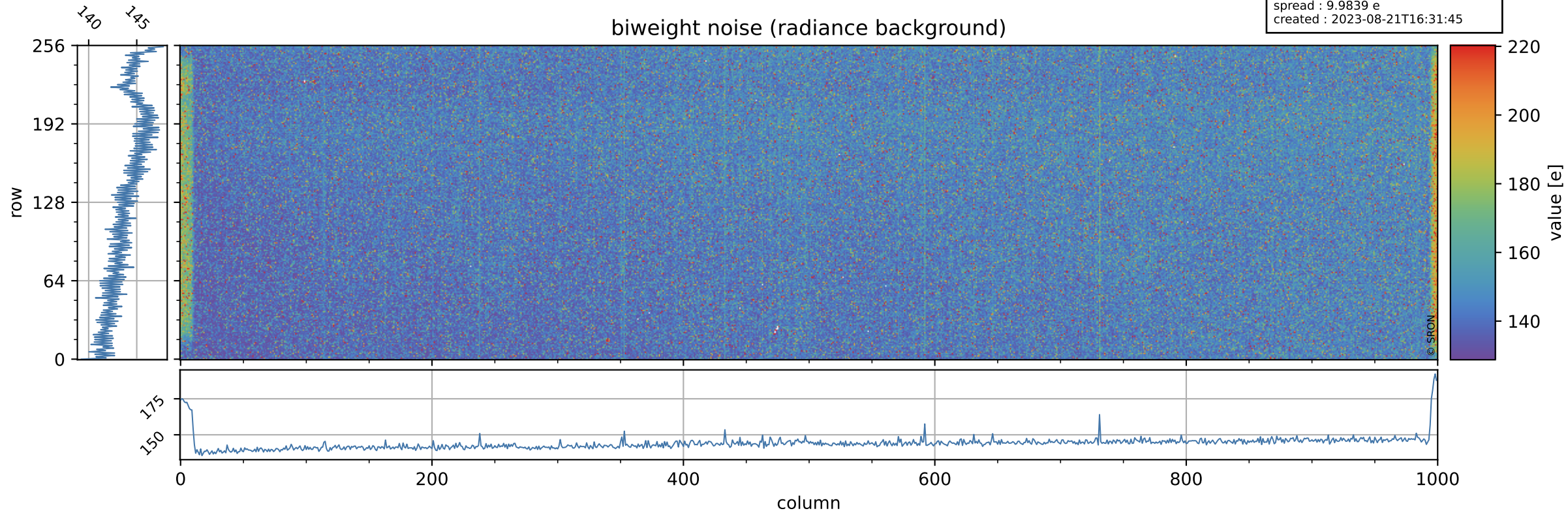




# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.9839 e  
created : 2023-08-21T16:31:45

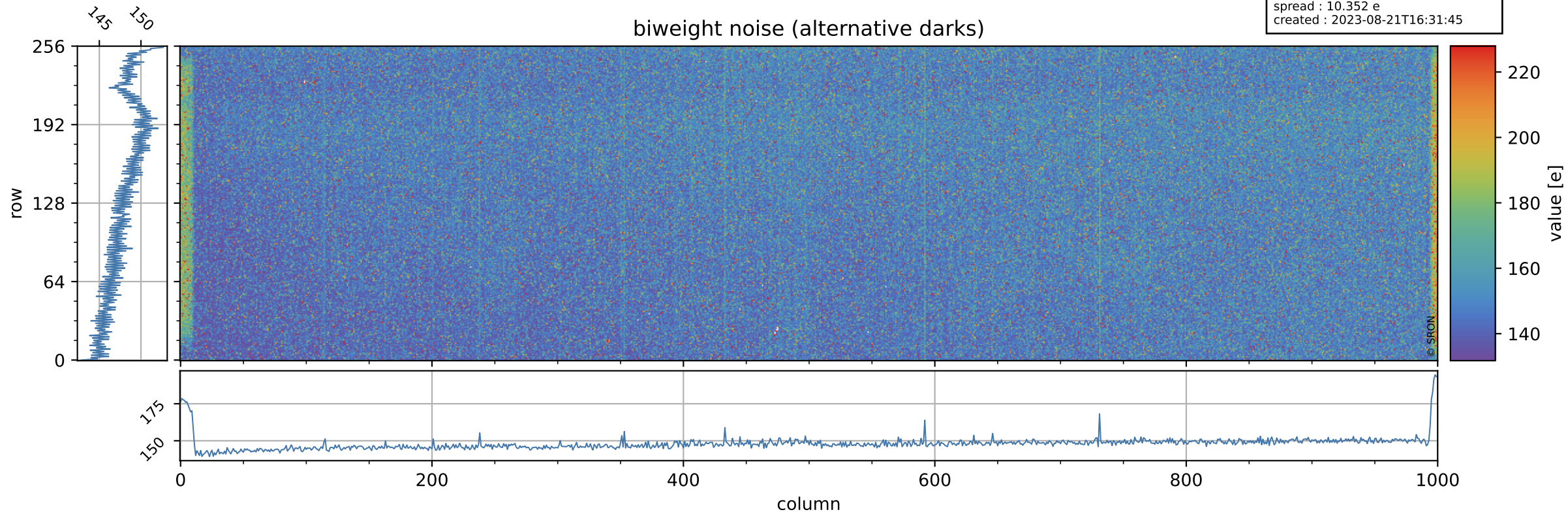
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.352 e  
created : 2023-08-21T16:31:45

## biweight noise (alternative darks)

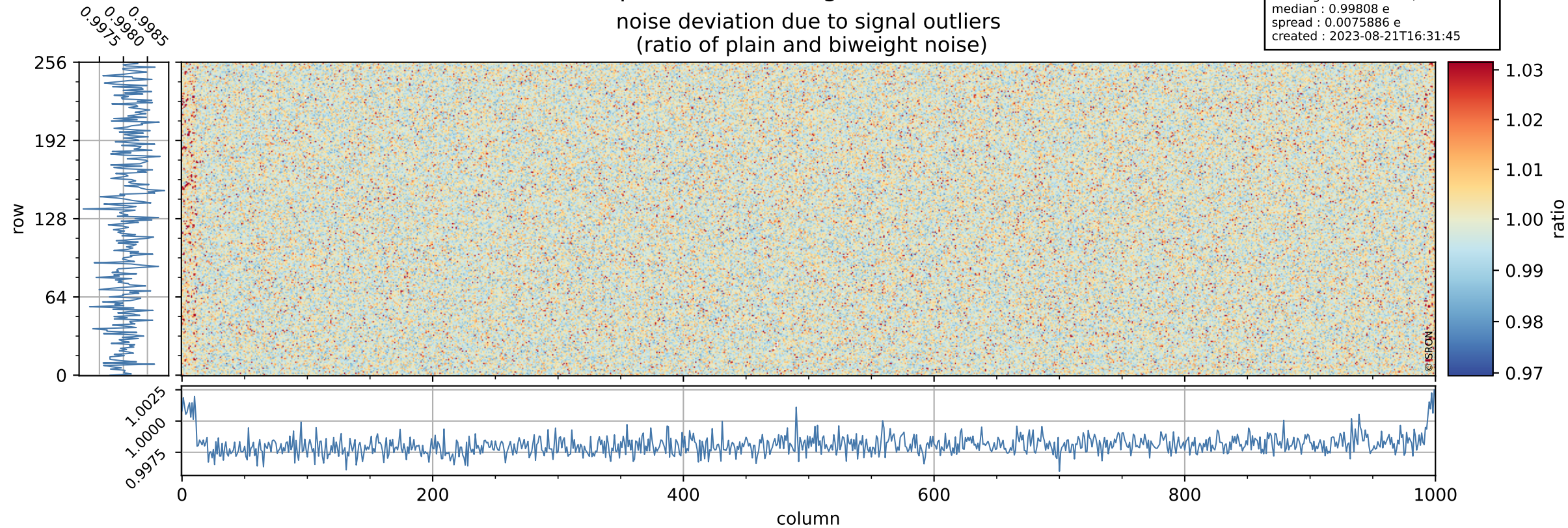




# Tropomi SWIR background noise (swir)

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

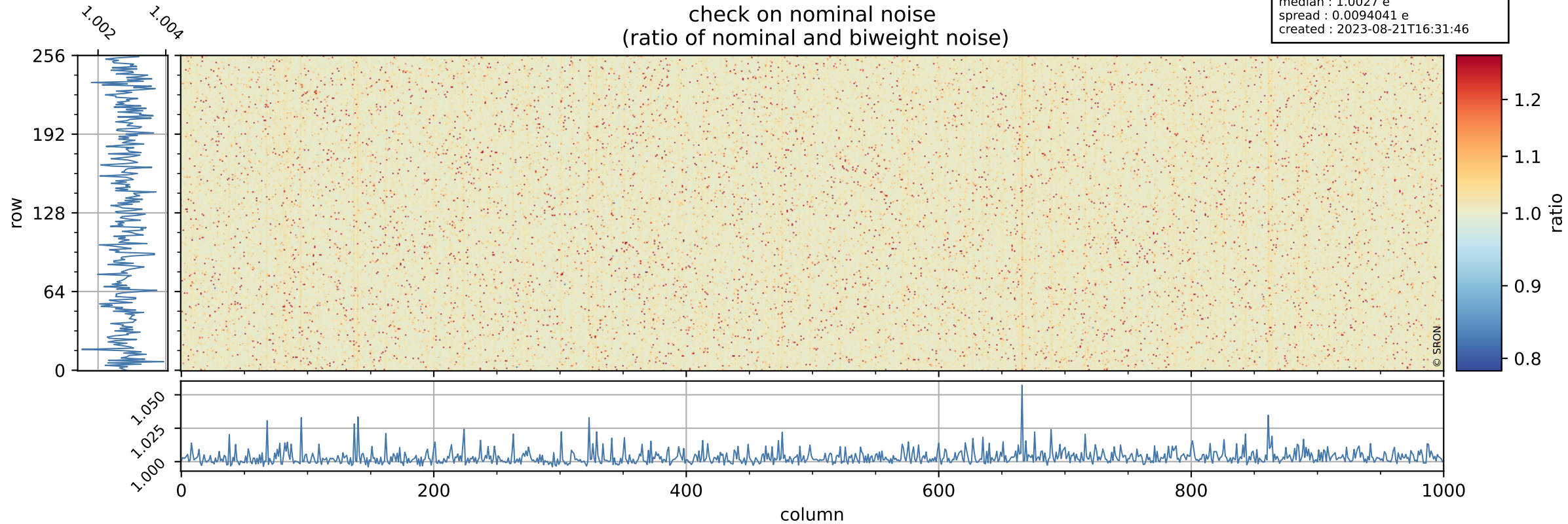
orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
median : 0.99808 e  
spread : 0.0075886 e  
created : 2023-08-21T16:31:45



# Tropomi SWIR background noise (swir)

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

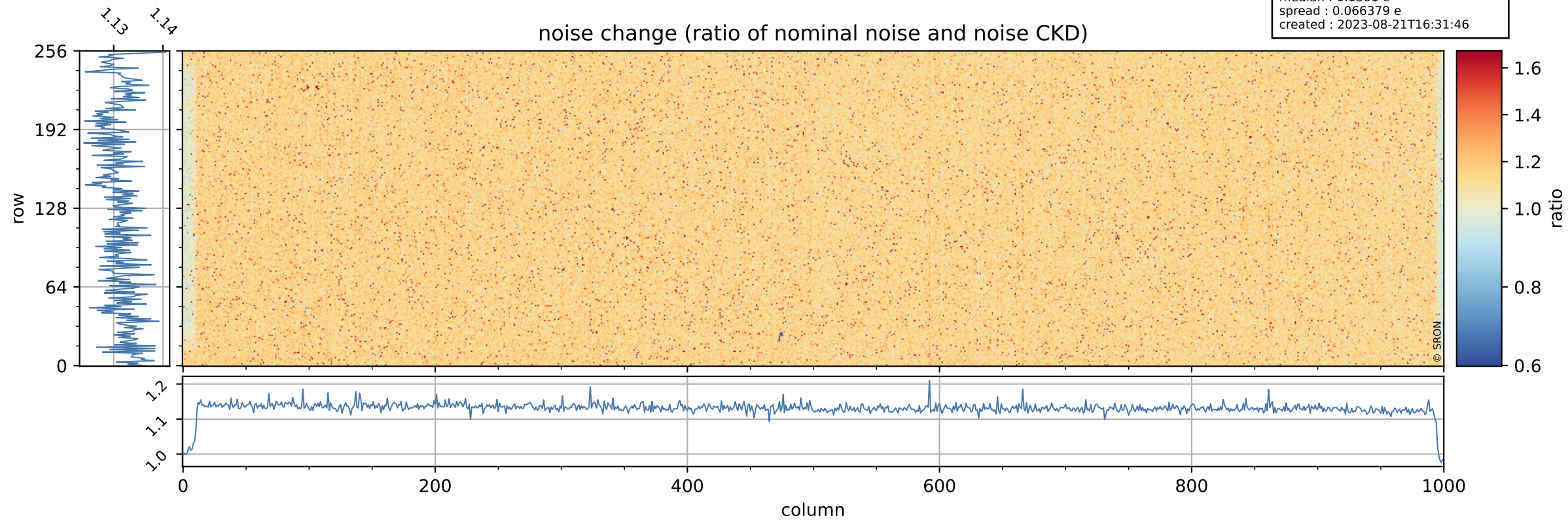
orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
median : 1.0027 e  
spread : 0.0094041 e  
created : 2023-08-21T16:31:46





# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
median : 1.1301 e  
spread : 0.066379 e  
created : 2023-08-21T16:31:46

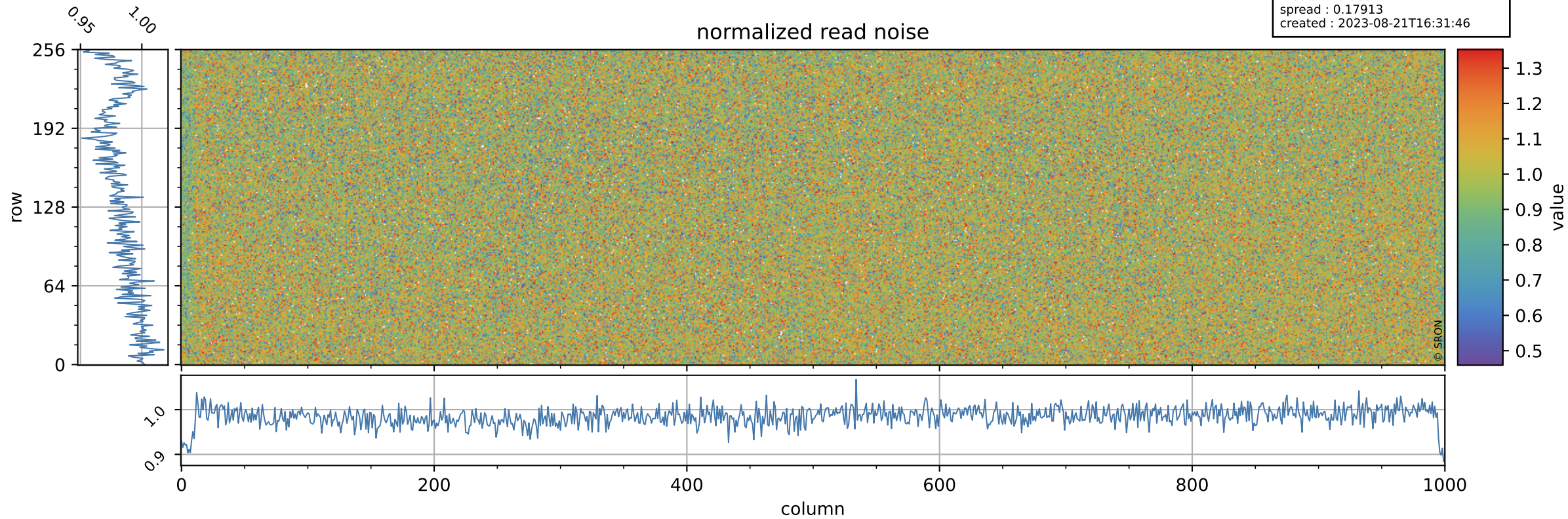




# Tropomi SWIR background noise (swir)

orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
median : 0.98324  
spread : 0.17913  
created : 2023-08-21T16:31:46

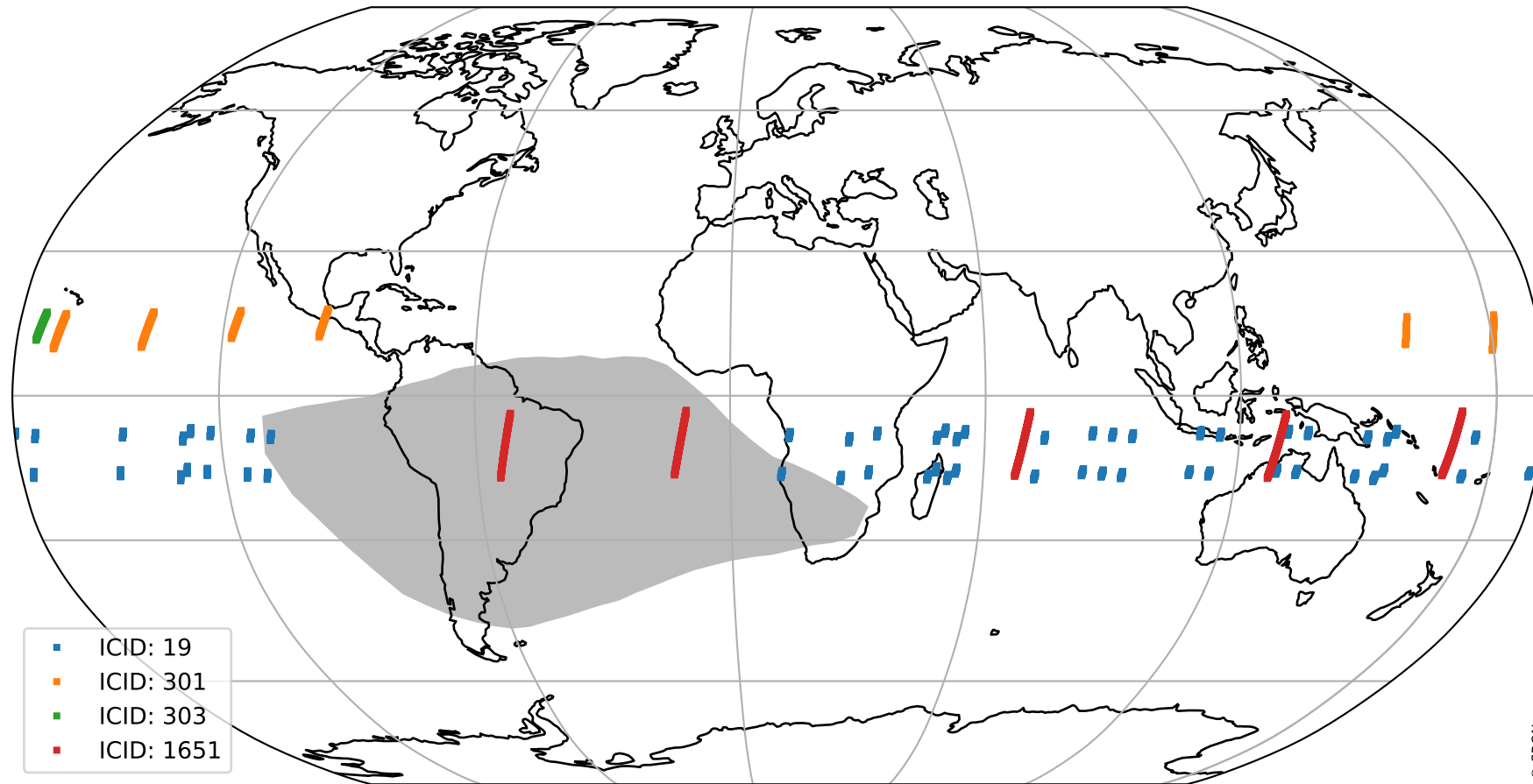
normalized read noise





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

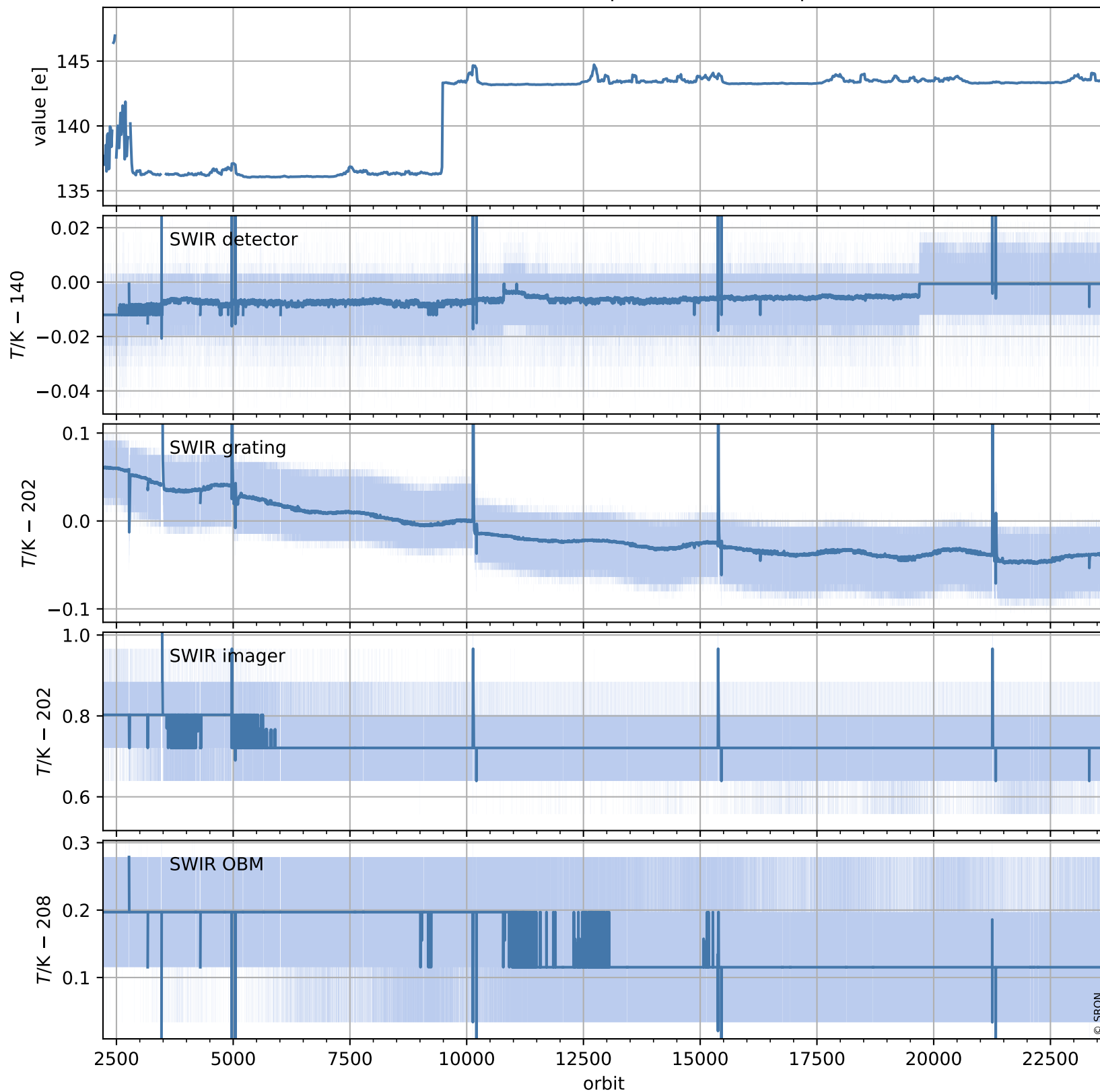
orbits : 12 in [23572, 23662]  
coverage : 2022-05-02 / 2022-05-07  
created : 2023-08-21T16:31:46



# Tropomi SWIR background noise (swir)

orbits : [2212, 23662]  
coverage : 2018-03-18 / 2022-05-07  
created : 2023-08-21T16:31:47

## trend of detector median of plain noise & temperatures

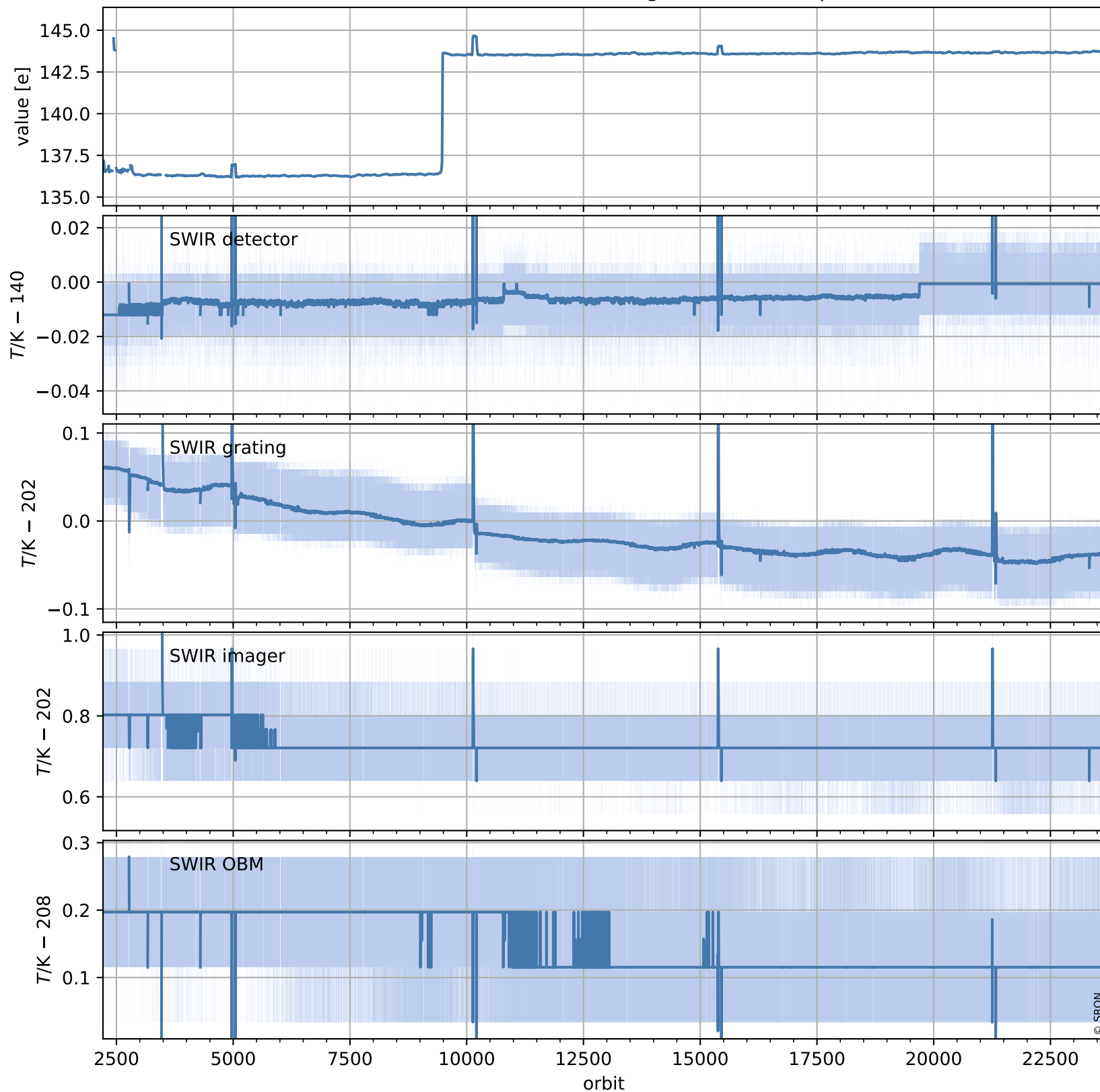




# Tropomi SWIR background noise (swir)

orbits : [2212, 23662]  
coverage : 2018-03-18 / 2022-05-07  
created : 2023-08-21T16:31:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23662]  
coverage : 2018-03-18 / 2022-05-07  
created : 2023-08-21T16:31:49

## trend of normalized read-noise & temperatures

