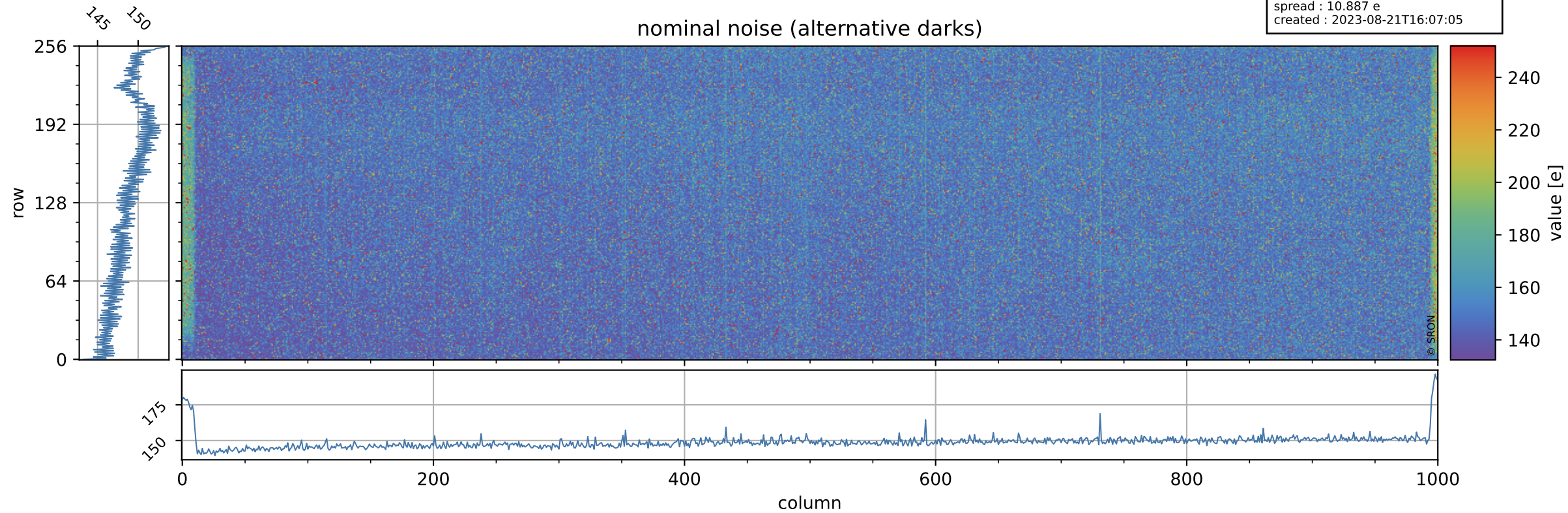


# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.64 e  
spread : 10.887 e  
created : 2023-08-21T16:07:05

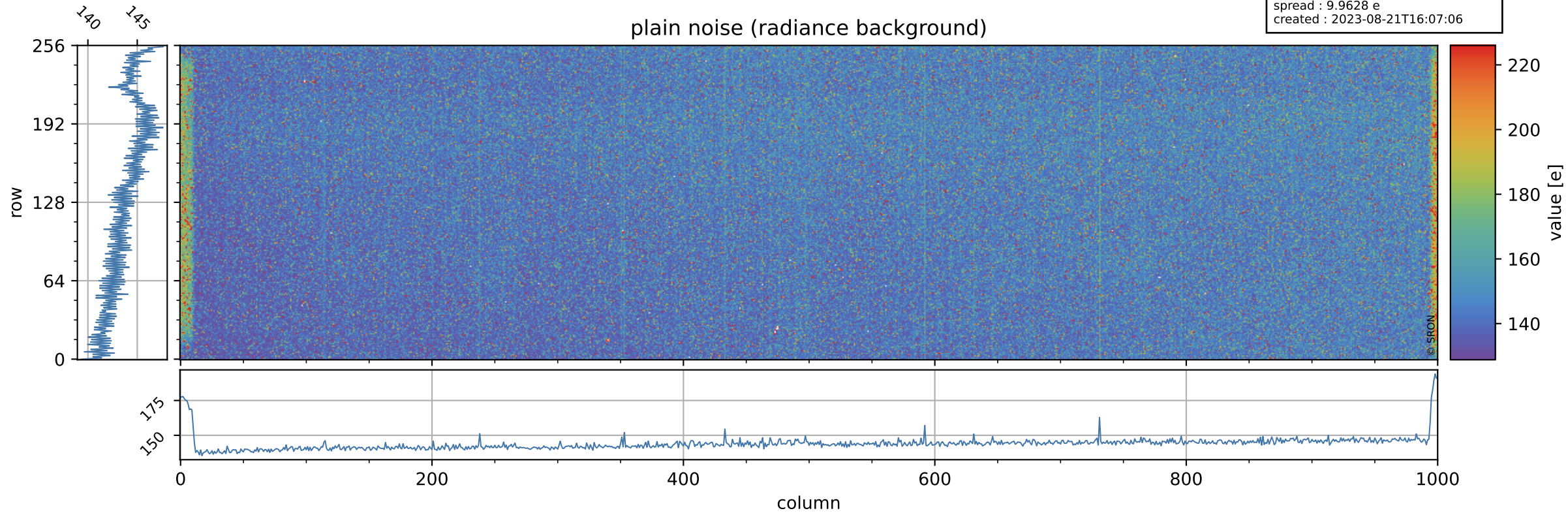
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 9.9628 e  
created : 2023-08-21T16:07:06

## plain noise (radiance background)

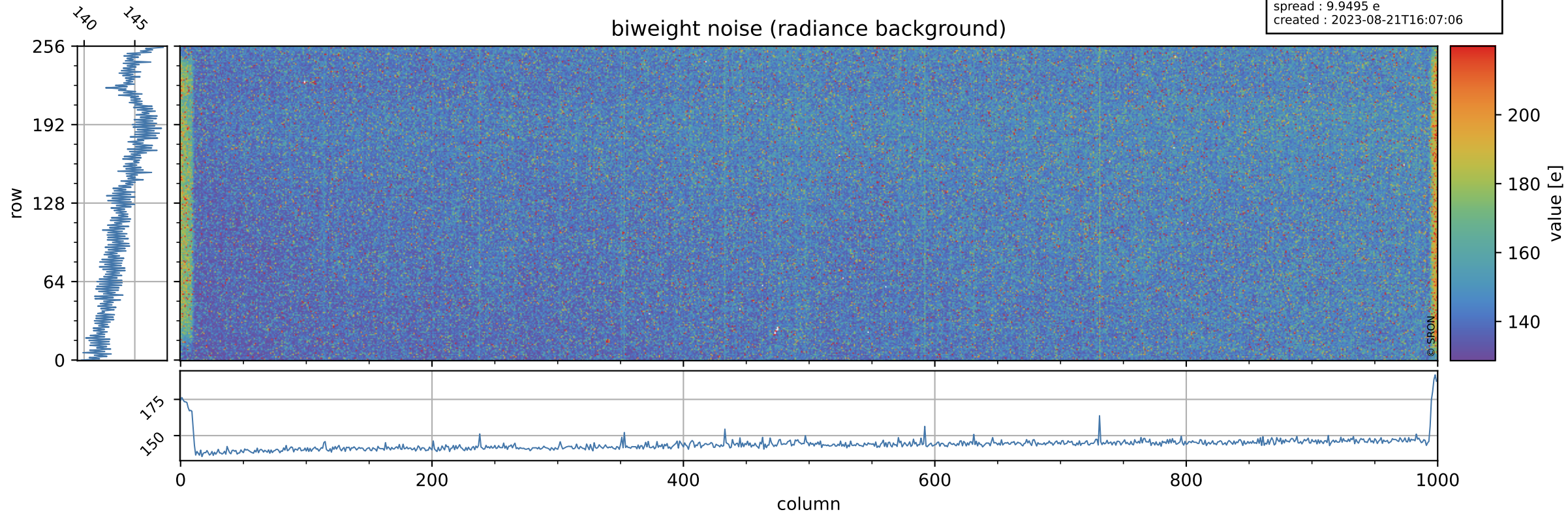




# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9495 e  
created : 2023-08-21T16:07:06

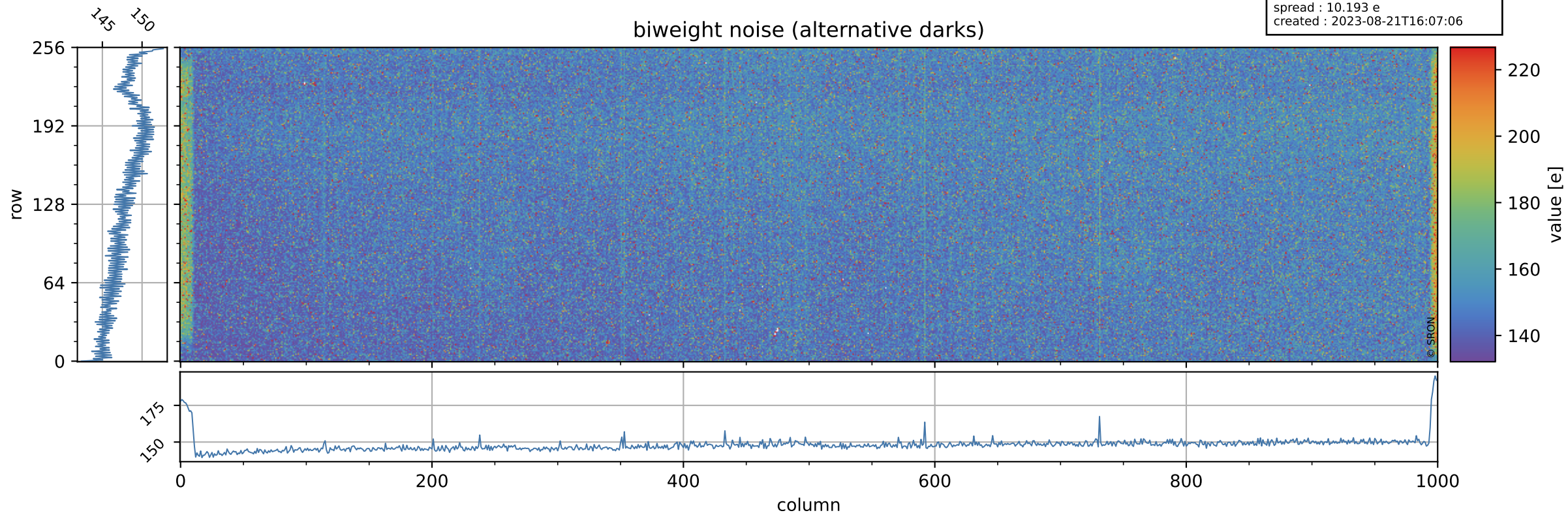
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.193 e  
created : 2023-08-21T16:07:06

## biweight noise (alternative darks)

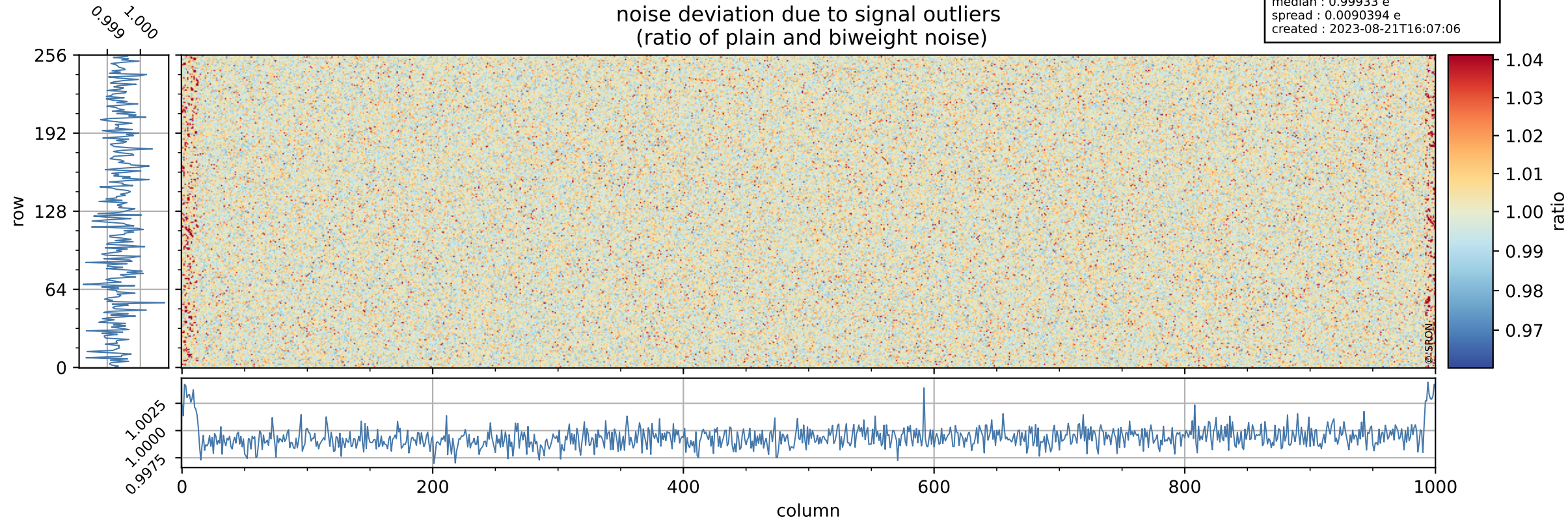




# Tropomi SWIR background noise (swir)

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

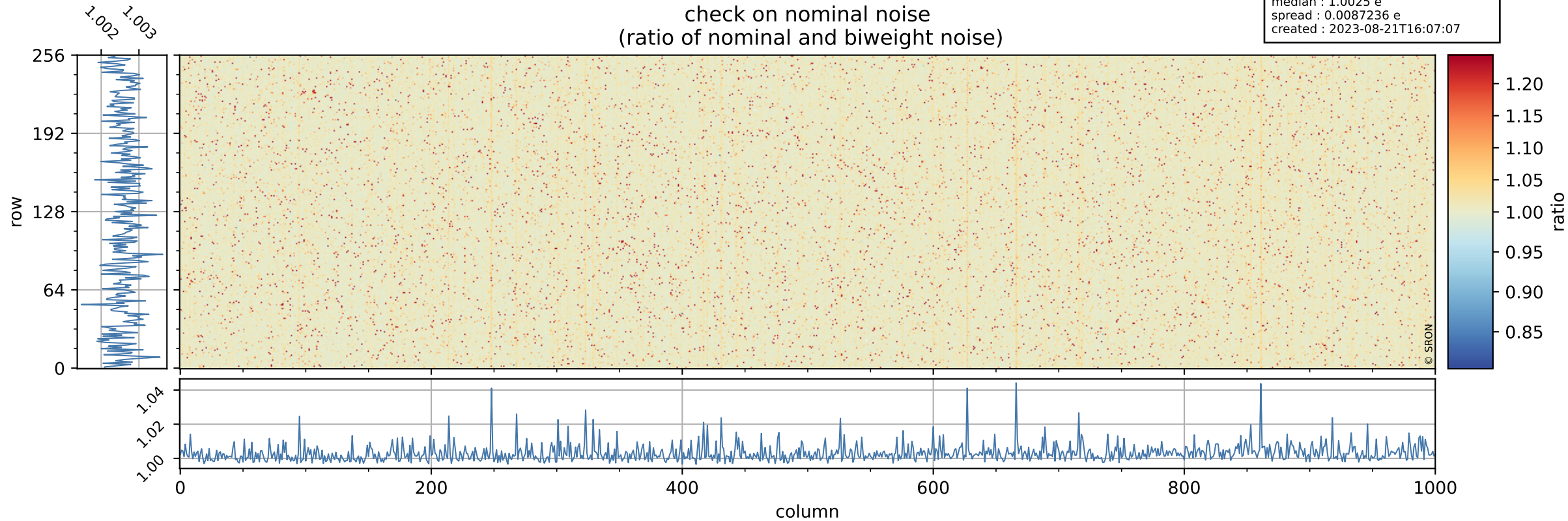
orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
median : 0.99933 e  
spread : 0.0090394 e  
created : 2023-08-21T16:07:06



# Tropomi SWIR background noise (swir)

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

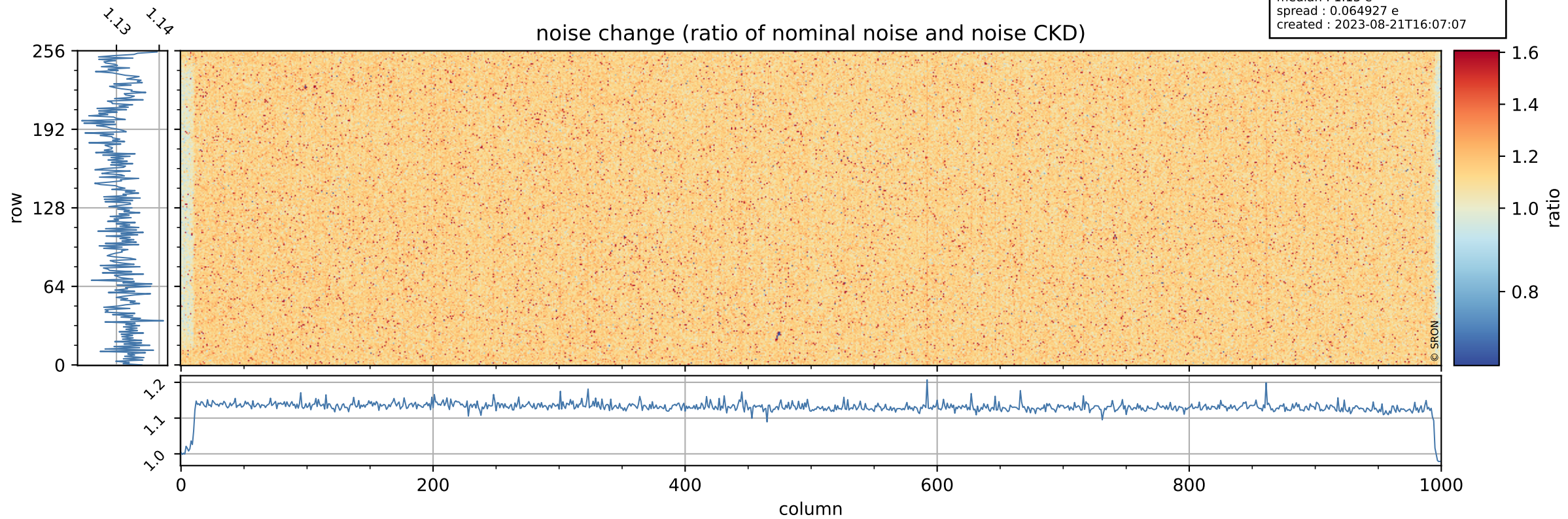
orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
median : 1.0025 e  
spread : 0.0087236 e  
created : 2023-08-21T16:07:07





# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
median : 1.13 e  
spread : 0.064927 e  
created : 2023-08-21T16:07:07

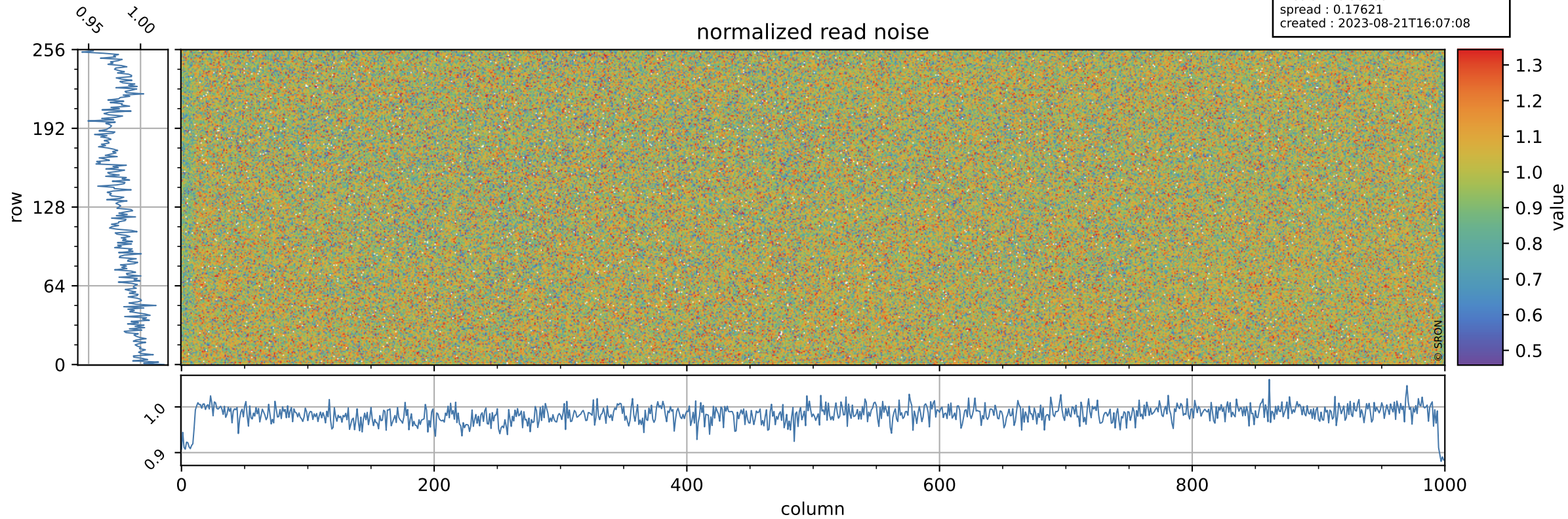




# Tropomi SWIR background noise (swir)

orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
median : 0.98166  
spread : 0.17621  
created : 2023-08-21T16:07:08

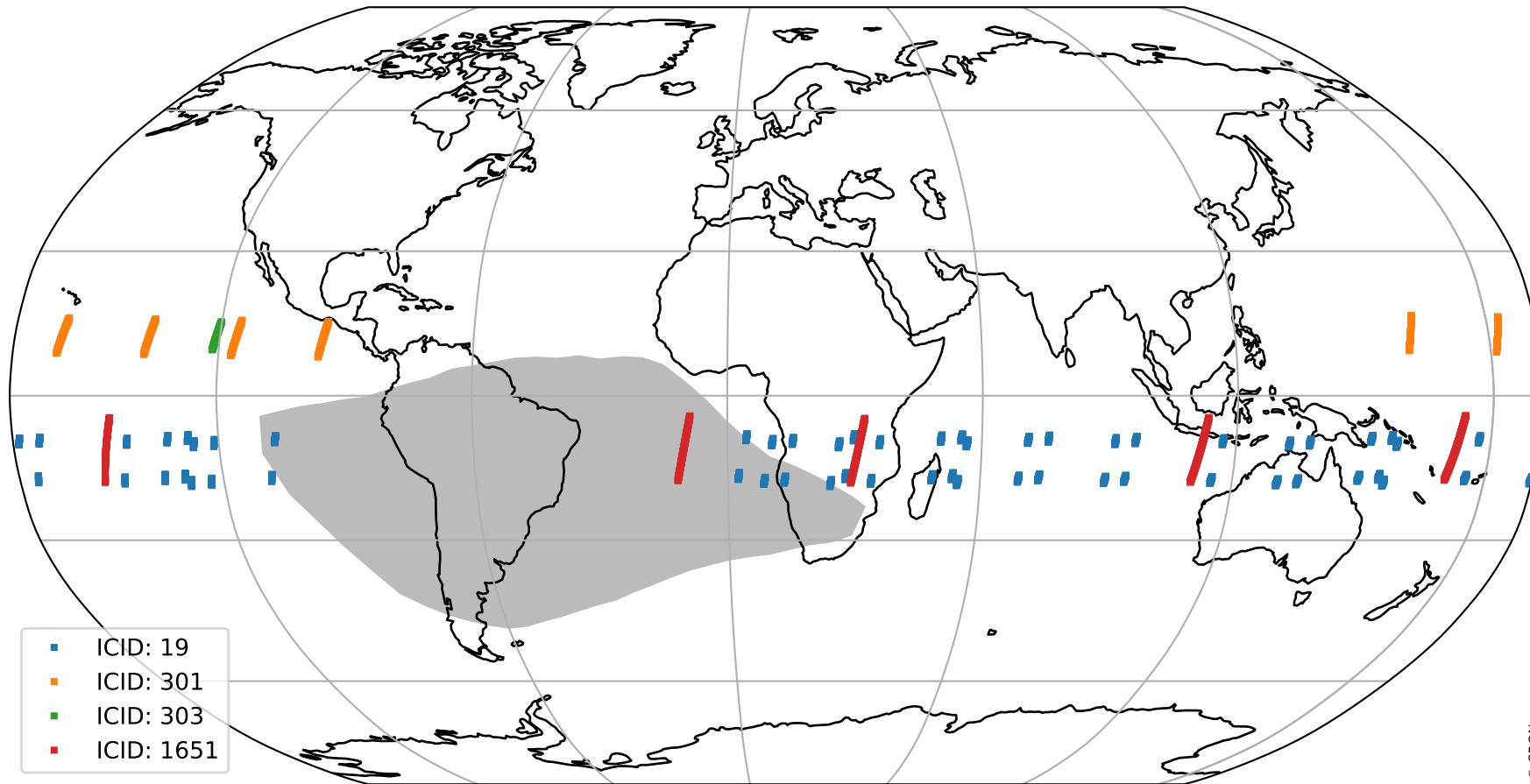
normalized read noise





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

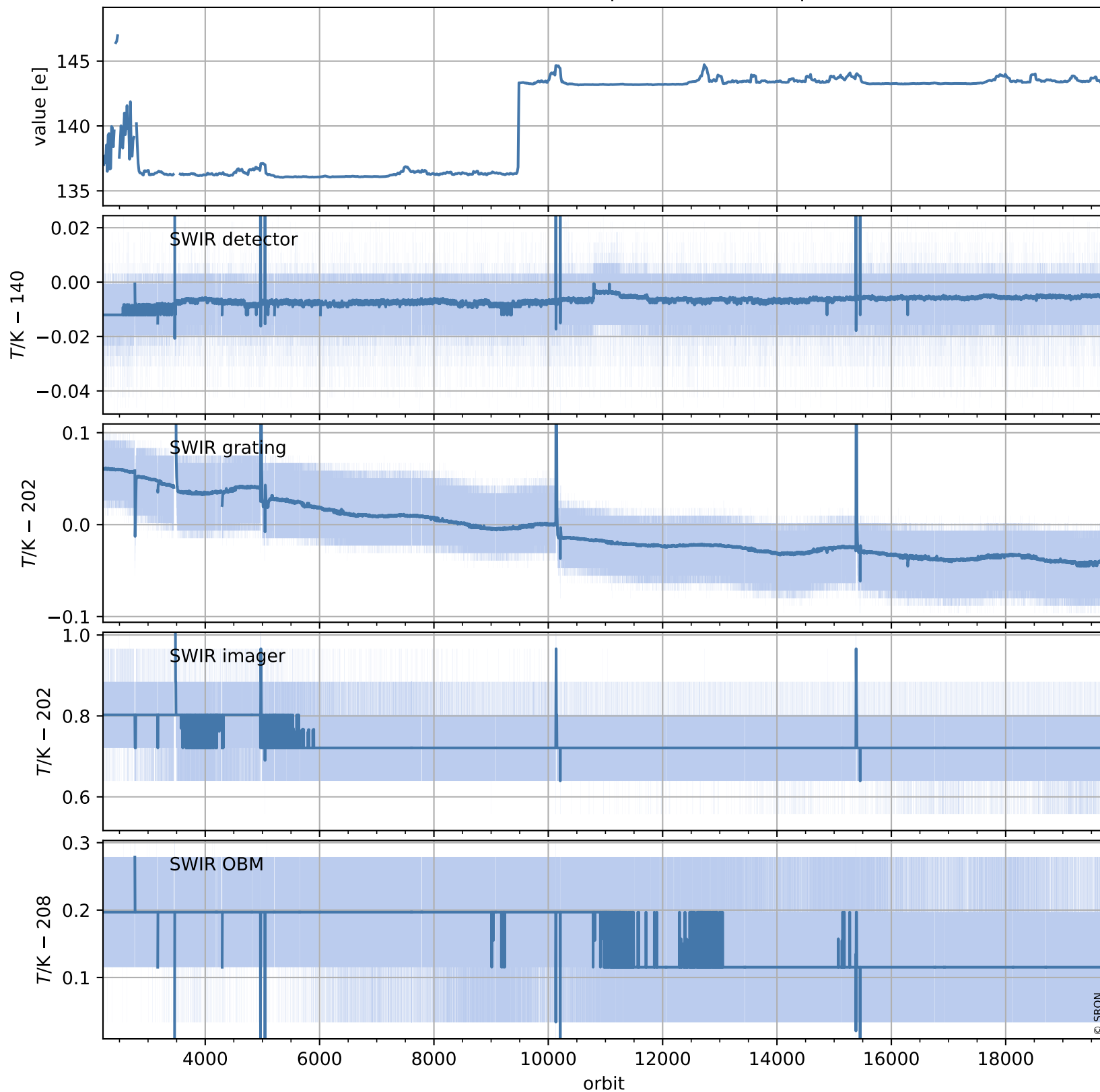
orbits : 12 in [19657, 19732]  
coverage : 2021-07-29 / 2021-08-03  
created : 2023-08-21T16:07:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 19732]  
coverage : 2018-03-18 / 2021-08-03  
created : 2023-08-21T16:07:08

## trend of detector median of plain noise & temperatures

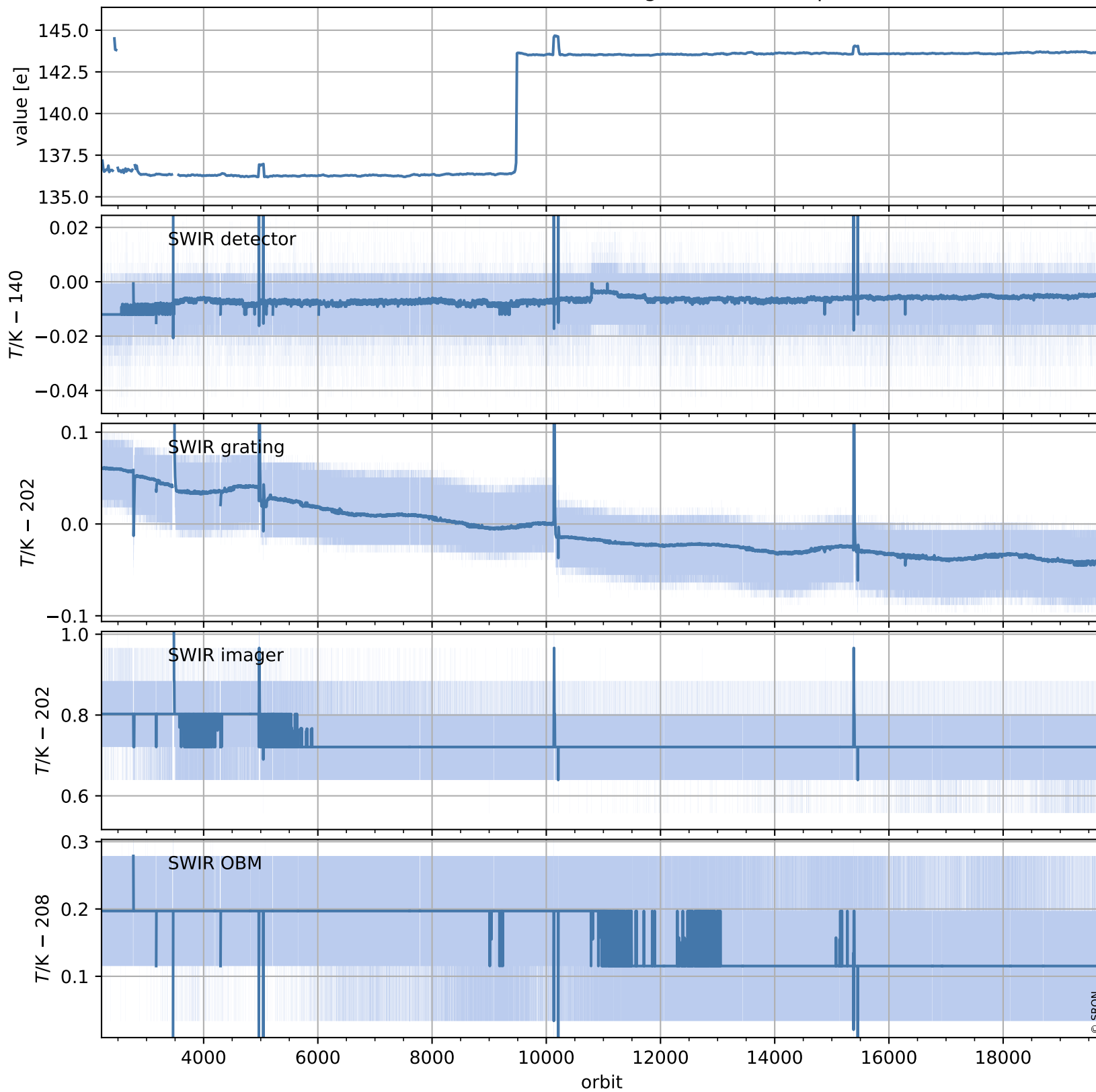




# Tropomi SWIR background noise (swir)

orbits : [2212, 19732]  
coverage : 2018-03-18 / 2021-08-03  
created : 2023-08-21T16:07:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19732]  
coverage : 2018-03-18 / 2021-08-03  
created : 2023-08-21T16:07:10

## trend of normalized read-noise & temperatures

