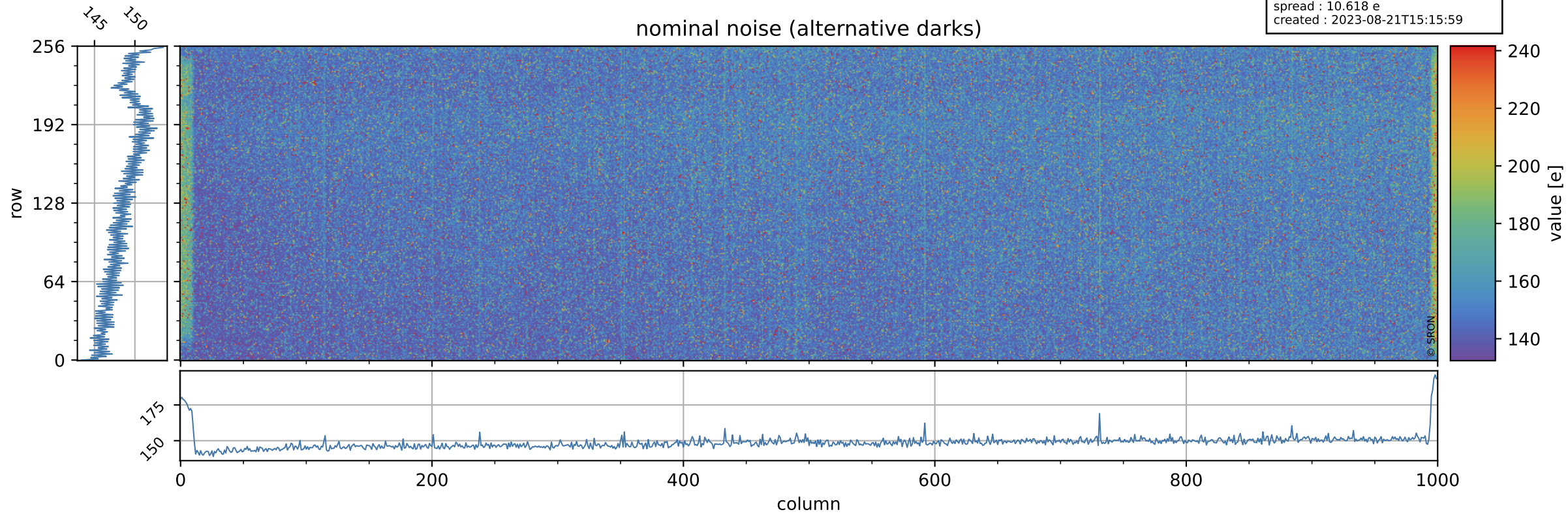


# Tropomi SWIR background noise (swir)

orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.618 e  
created : 2023-08-21T15:15:59

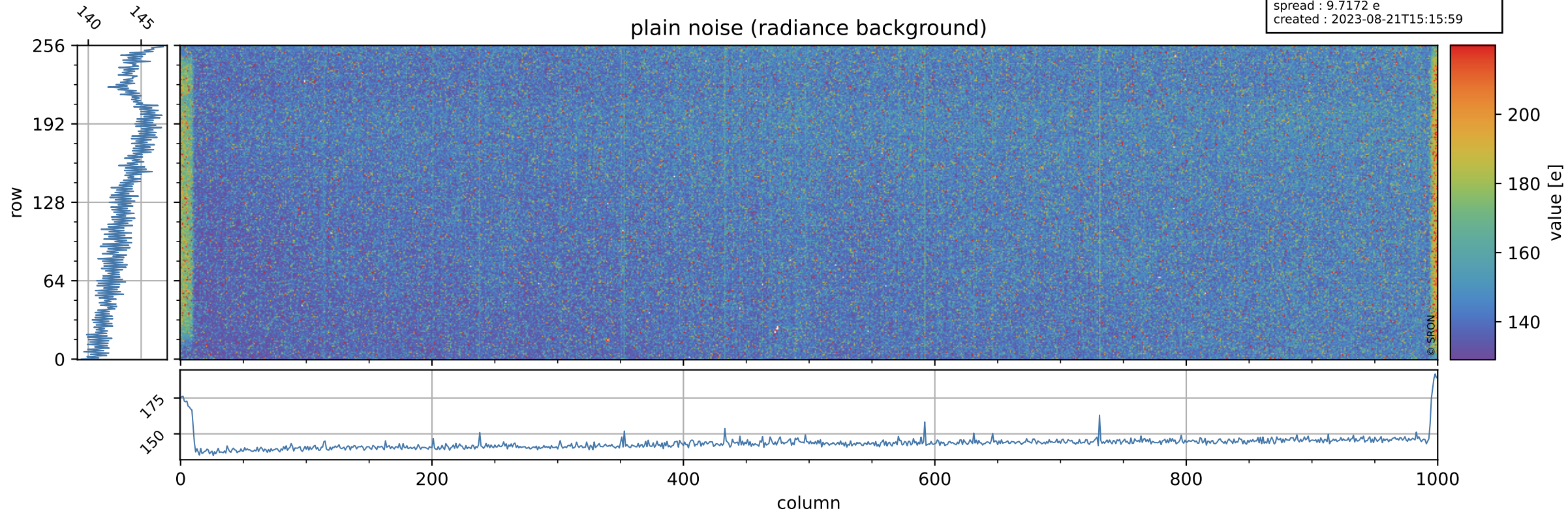
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.35 e  
spread : 9.7172 e  
created : 2023-08-21T15:15:59

plain noise (radiance background)

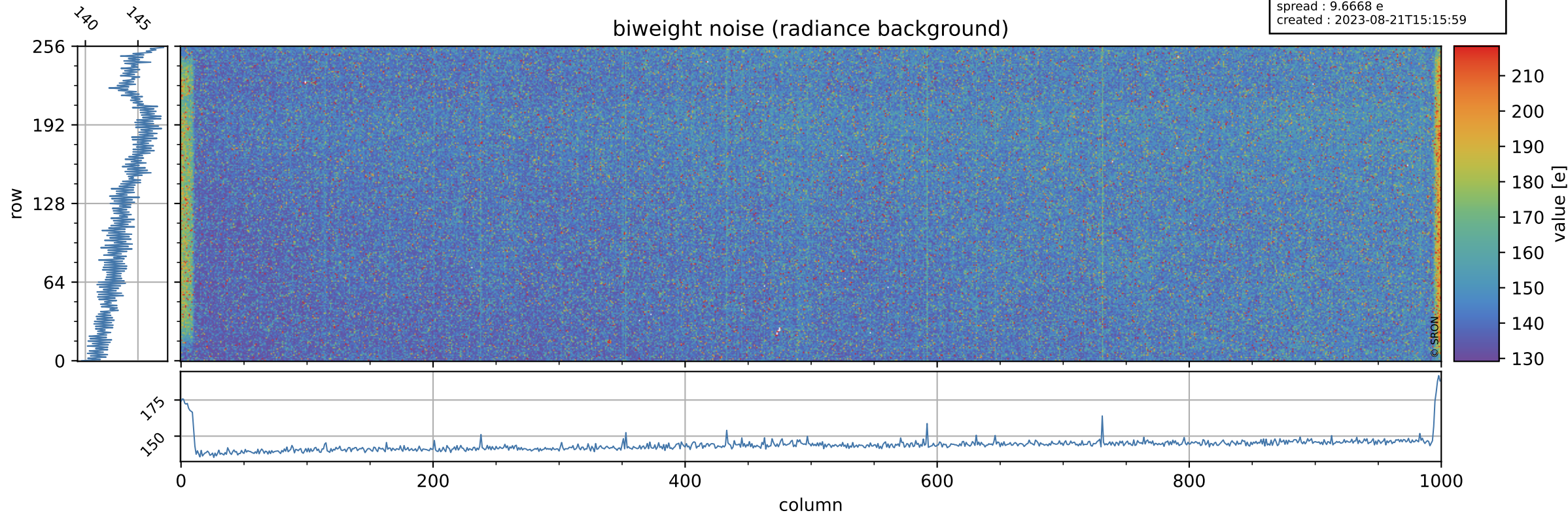




# Tropomi SWIR background noise (swir)

orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6668 e  
created : 2023-08-21T15:15:59

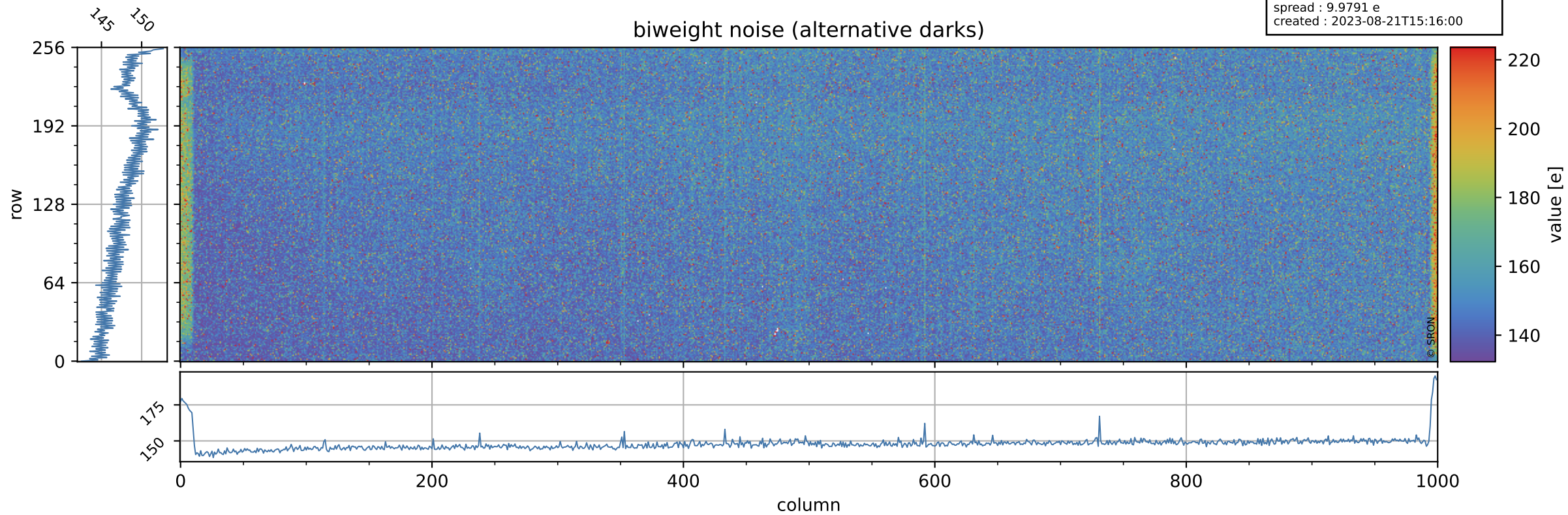
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 9.9791 e  
created : 2023-08-21T15:16:00

## biweight noise (alternative darks)

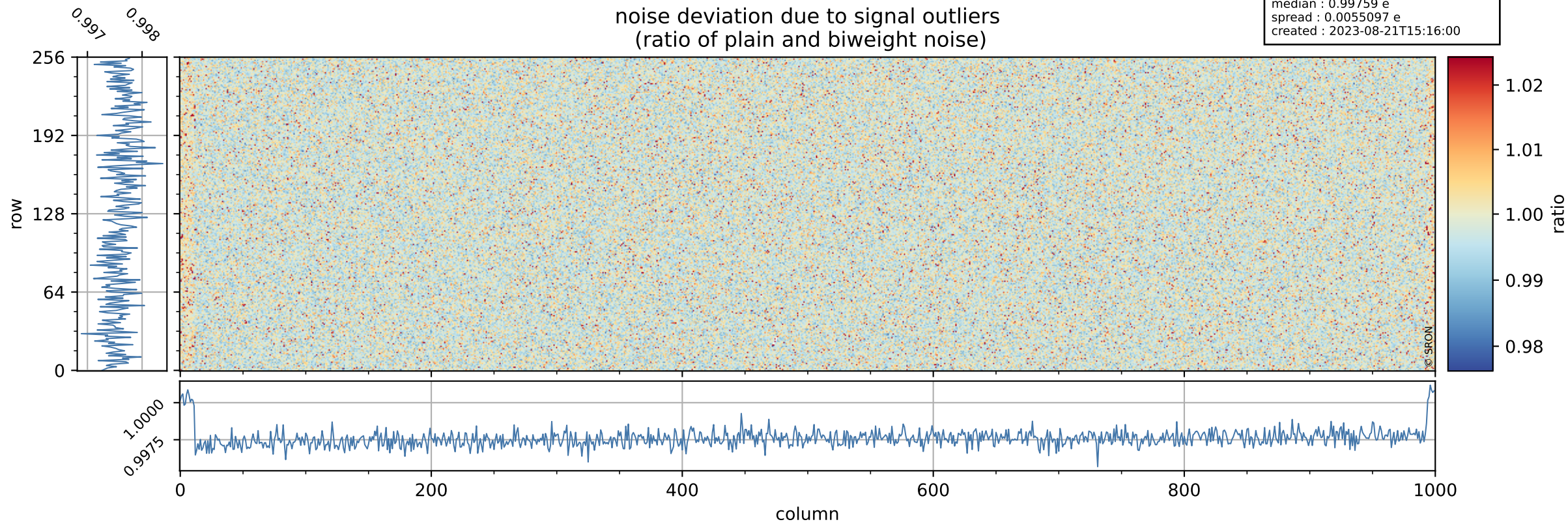




# Tropomi SWIR background noise (swir)

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

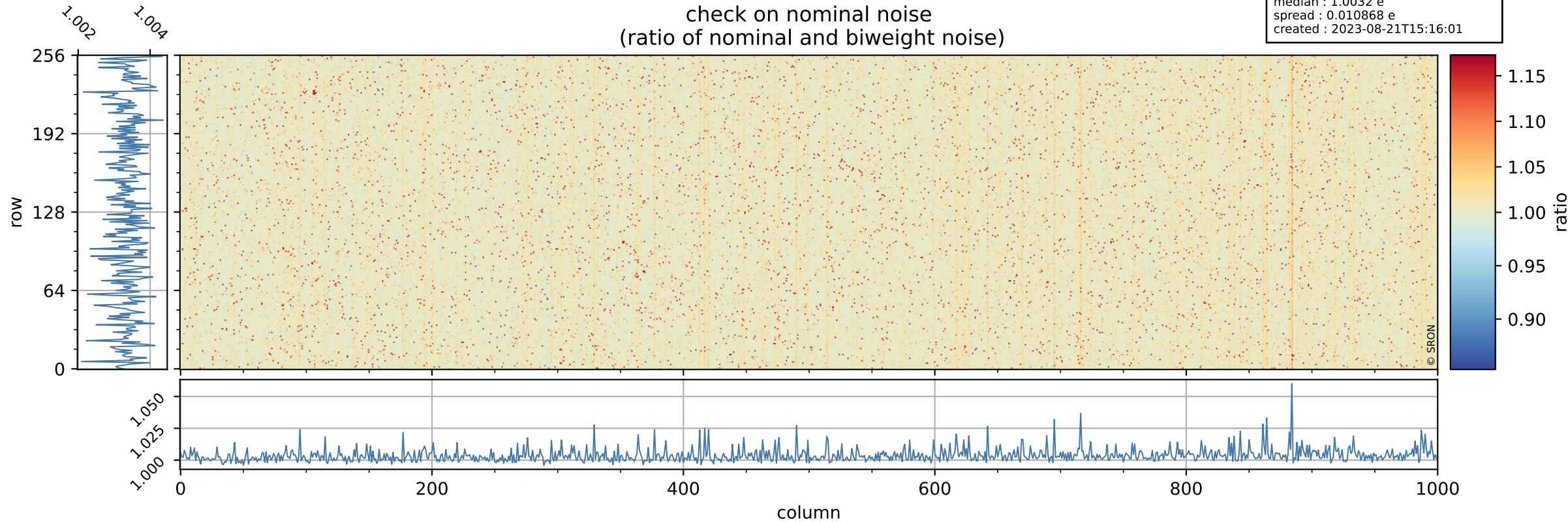
orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
median : 0.99759 e  
spread : 0.0055097 e  
created : 2023-08-21T15:16:00



# Tropomi SWIR background noise (swir)

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

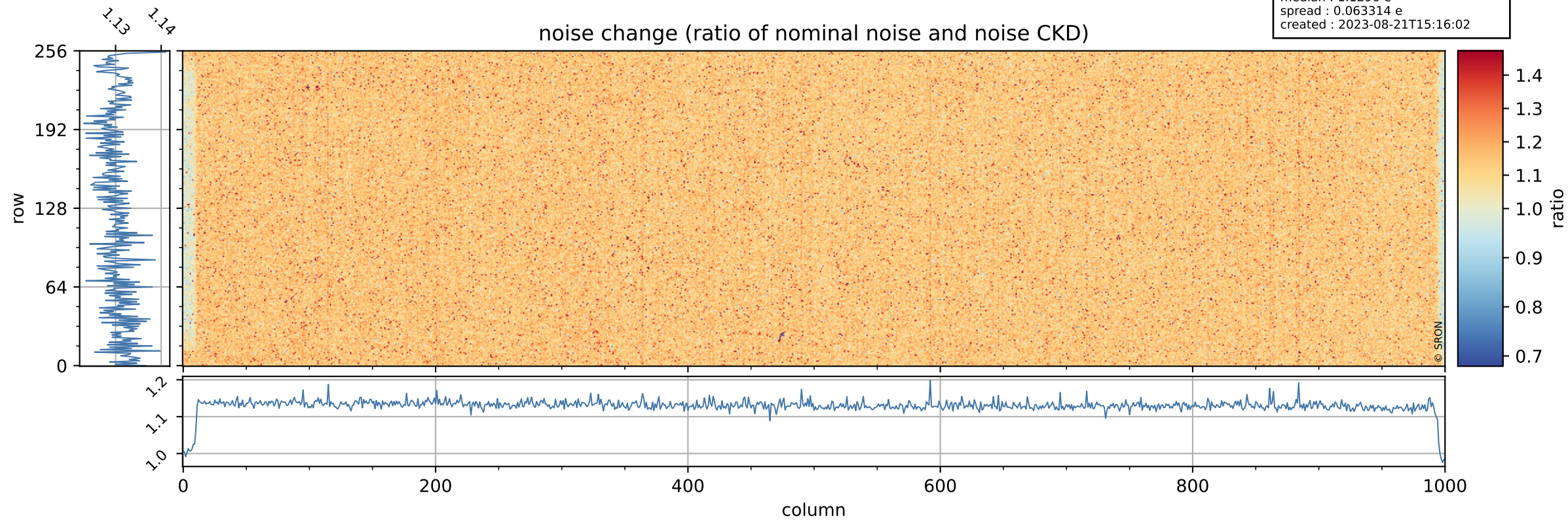
orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
median : 1.0032 e  
spread : 0.010868 e  
created : 2023-08-21T15:16:01





# Tropomi SWIR background noise (swir)

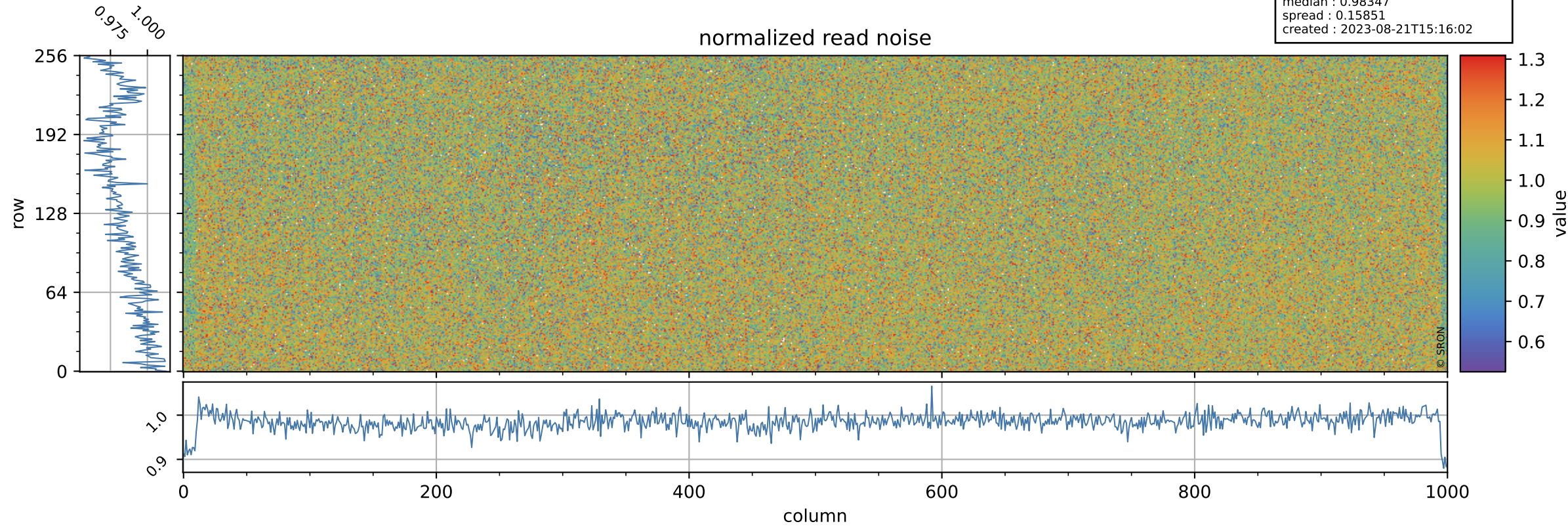
orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
median : 1.1296 e  
spread : 0.063314 e  
created : 2023-08-21T15:16:02





# Tropomi SWIR background noise (swir)

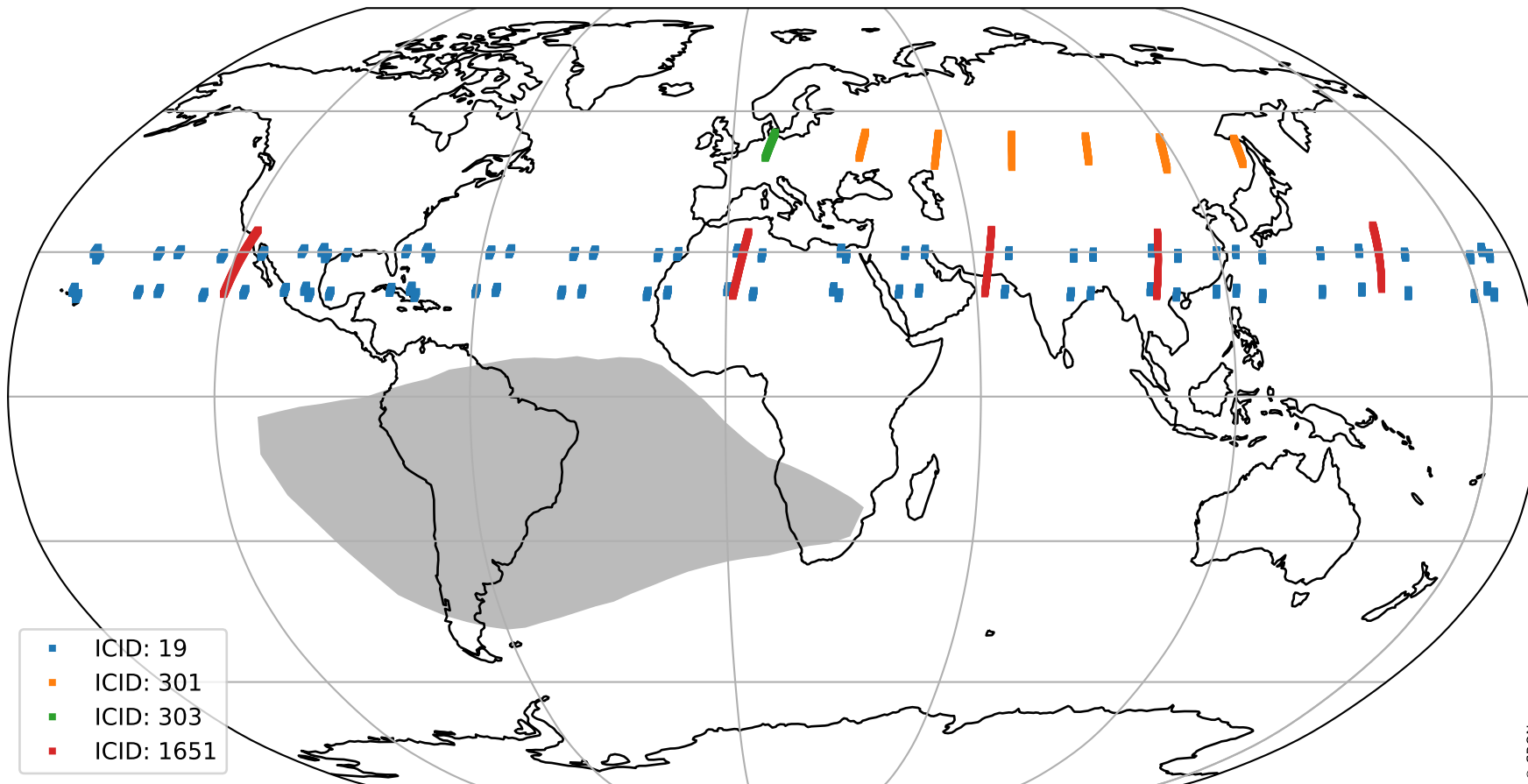
orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
median : 0.98347  
spread : 0.15851  
created : 2023-08-21T15:16:02





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

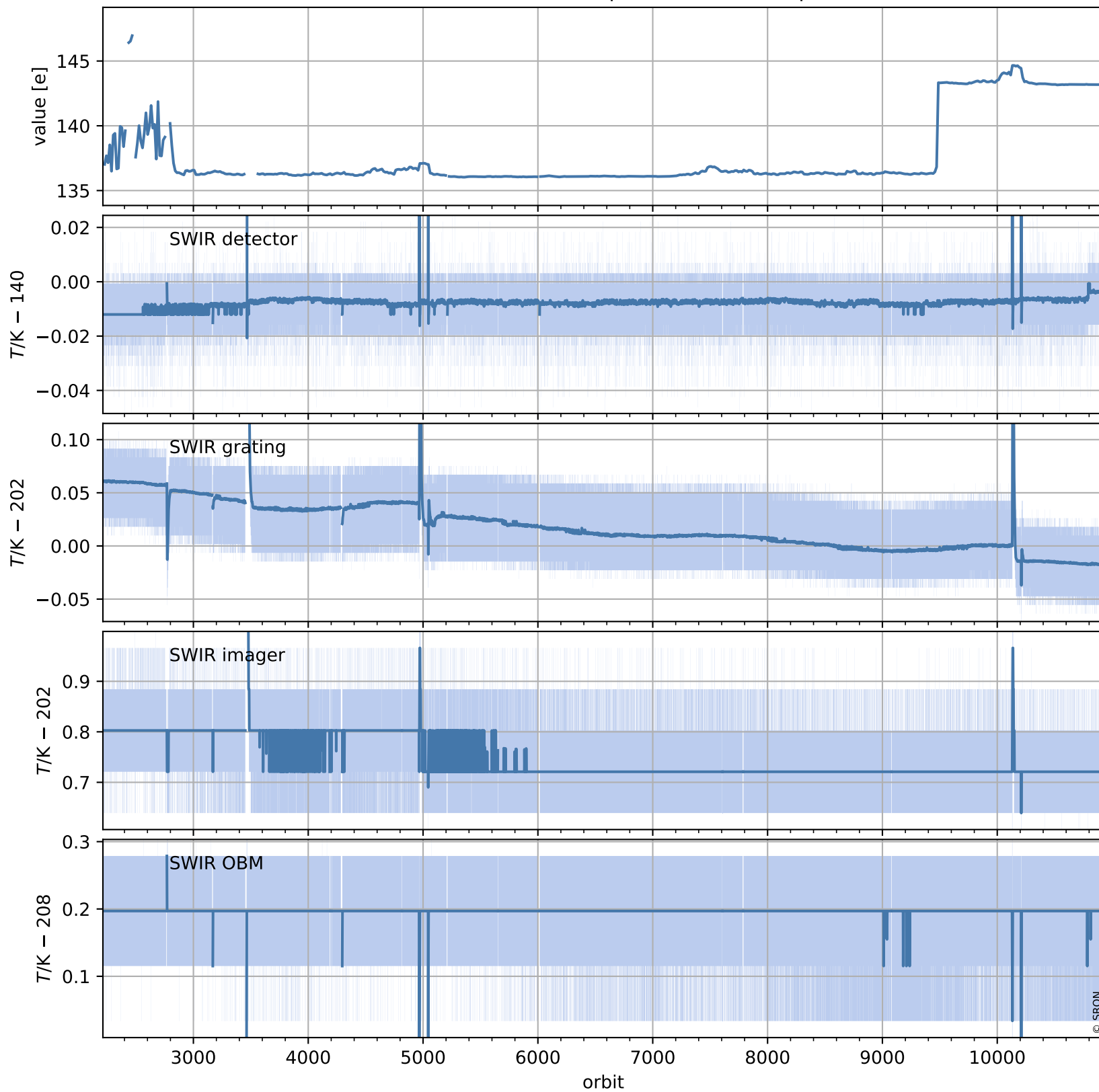
orbits : 12 in [10837, 10927]  
coverage : 2019-11-16 / 2019-11-22  
created : 2023-08-21T15:16:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 10927]  
coverage : 2018-03-18 / 2019-11-22  
created : 2023-08-21T15:16:03

## trend of detector median of plain noise & temperatures

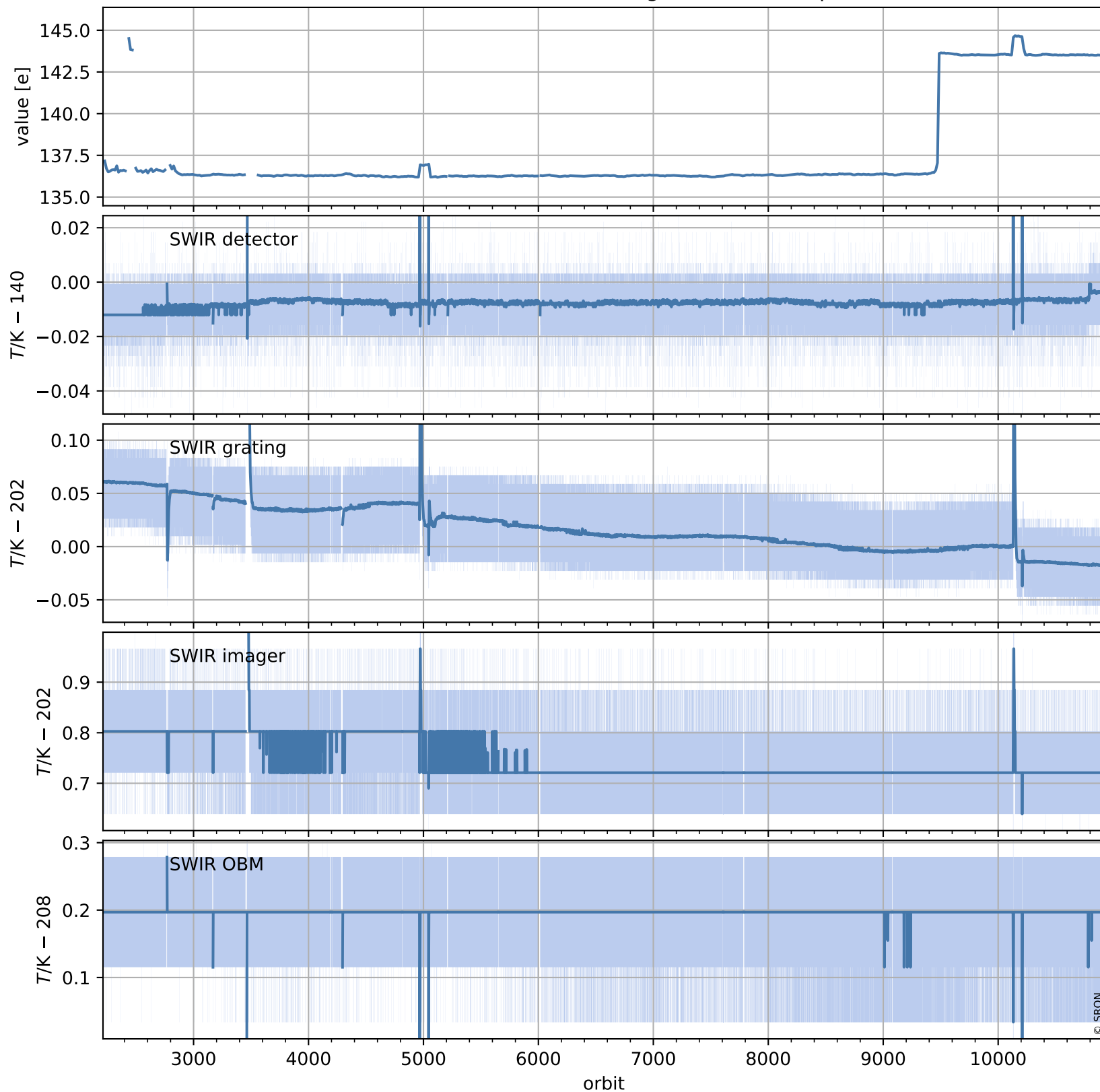




# Tropomi SWIR background noise (swir)

orbits : [2212, 10927]  
coverage : 2018-03-18 / 2019-11-22  
created : 2023-08-21T15:16:04

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10927]  
coverage : 2018-03-18 / 2019-11-22  
created : 2023-08-21T15:16:05

## trend of normalized read-noise & temperatures

