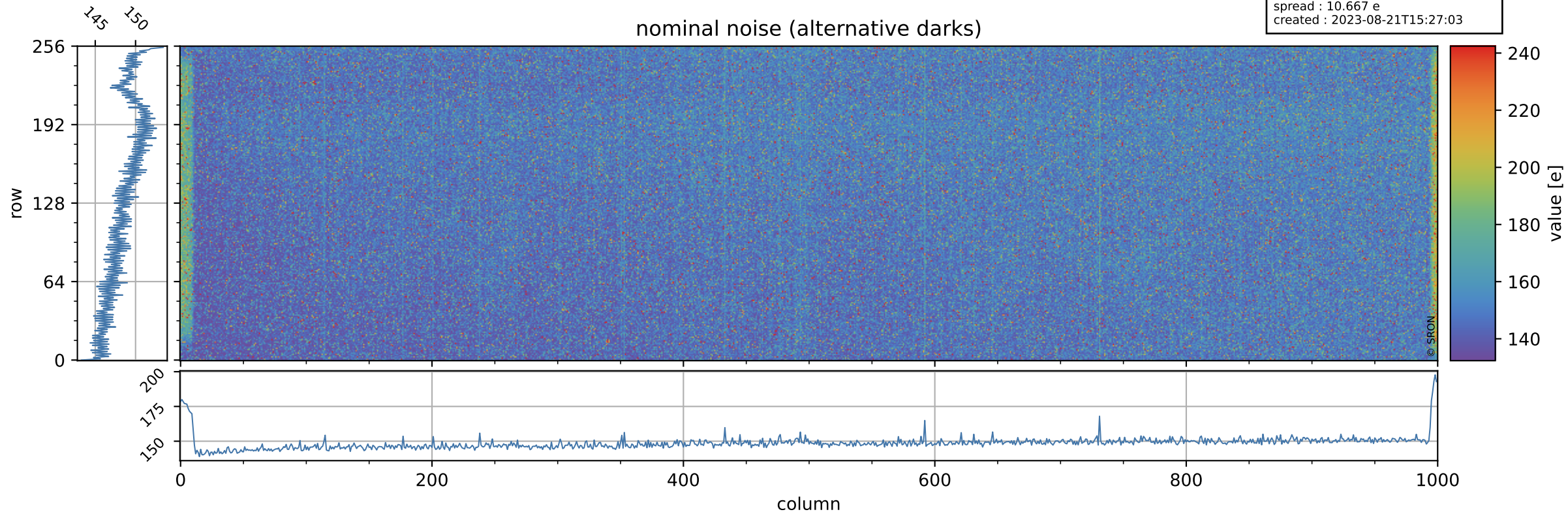


# Tropomi SWIR background noise (swir)

orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.667 e  
created : 2023-08-21T15:27:03

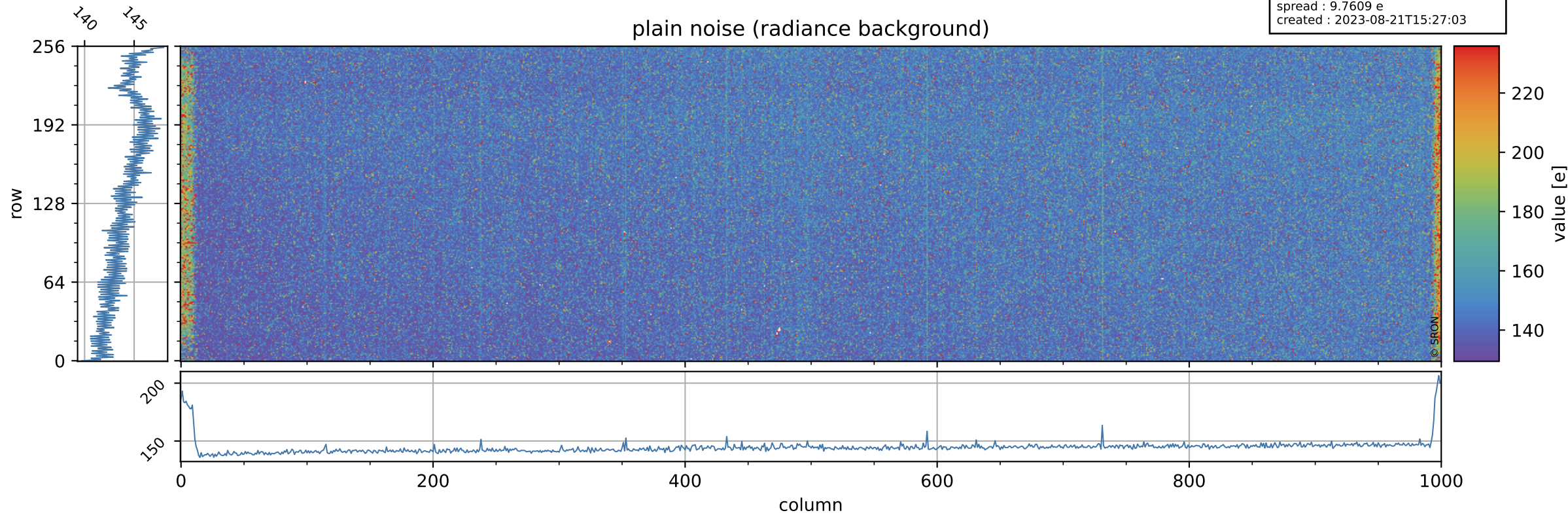
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.98 e  
spread : 9.7609 e  
created : 2023-08-21T15:27:03

## plain noise (radiance background)

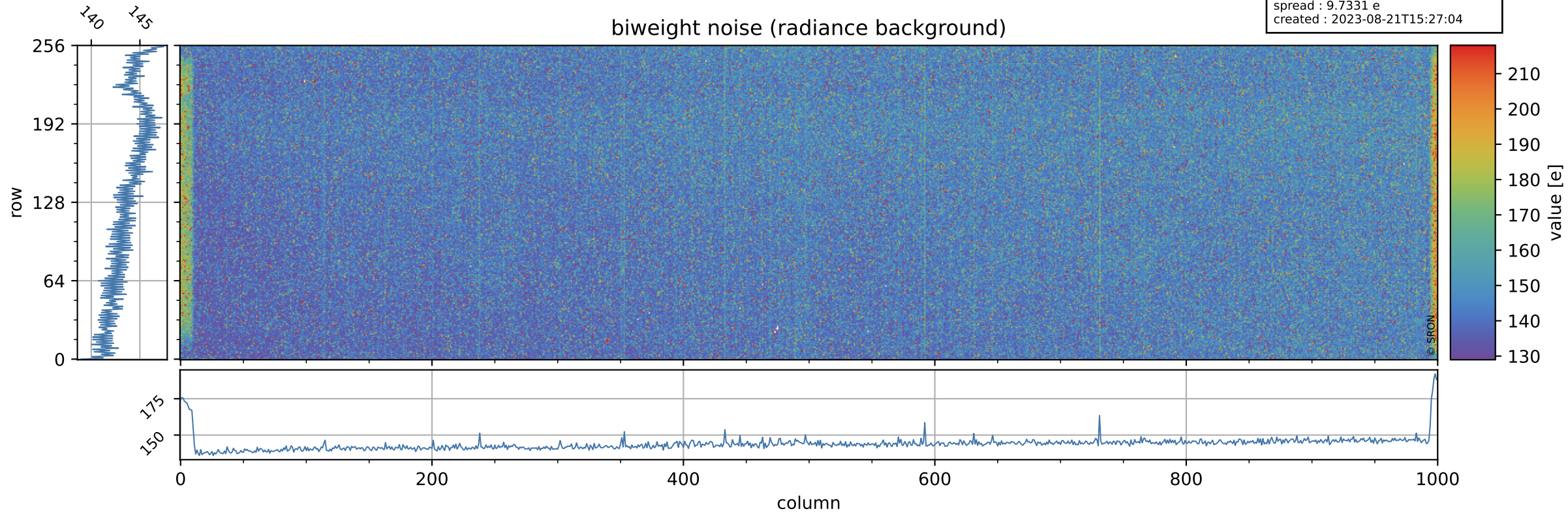




# Tropomi SWIR background noise (swir)

orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.7331 e  
created : 2023-08-21T15:27:04

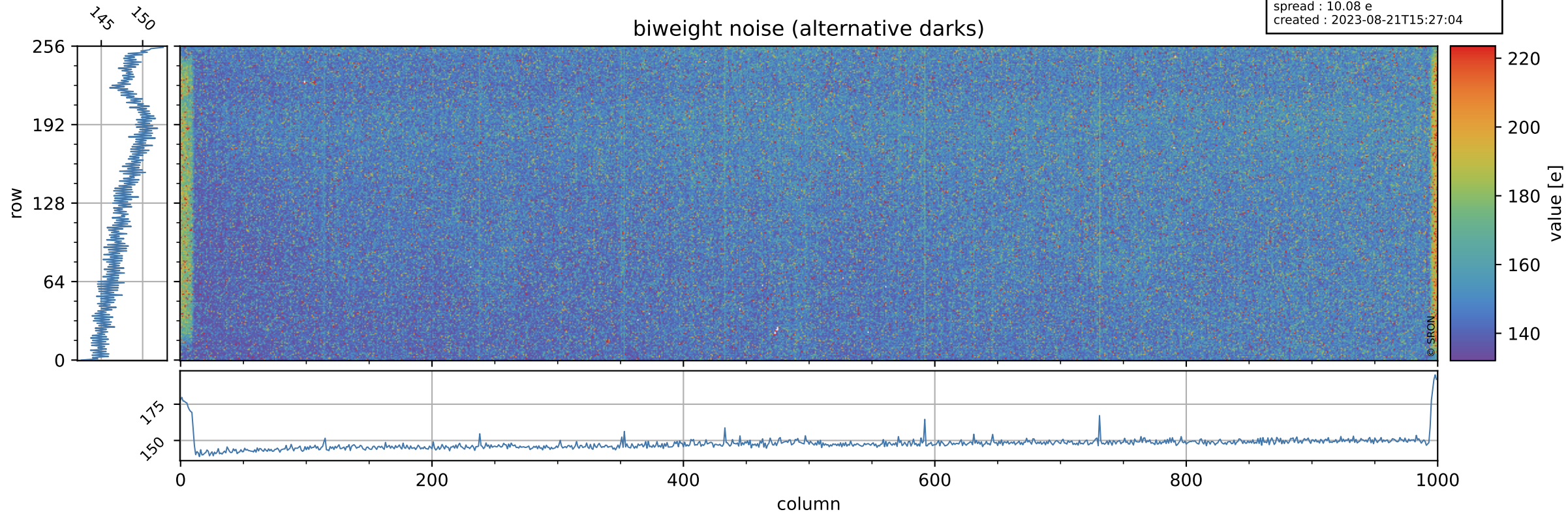
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 10.08 e  
created : 2023-08-21T15:27:04

## biweight noise (alternative darks)

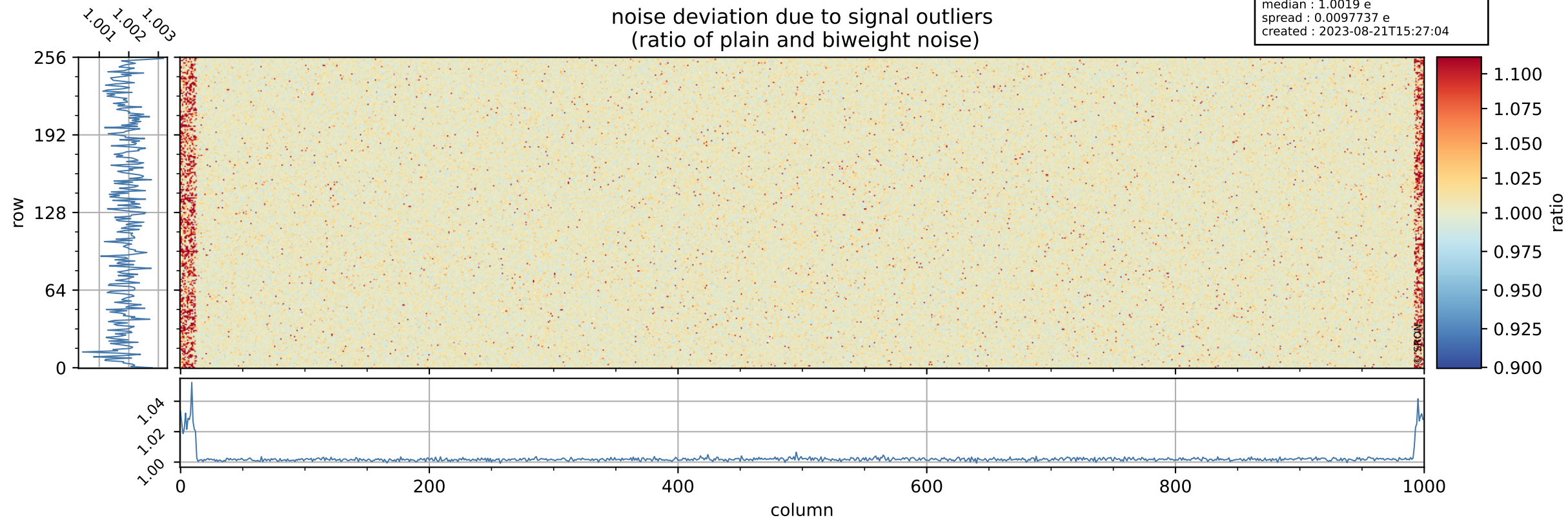




# Tropomi SWIR background noise (swir)

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

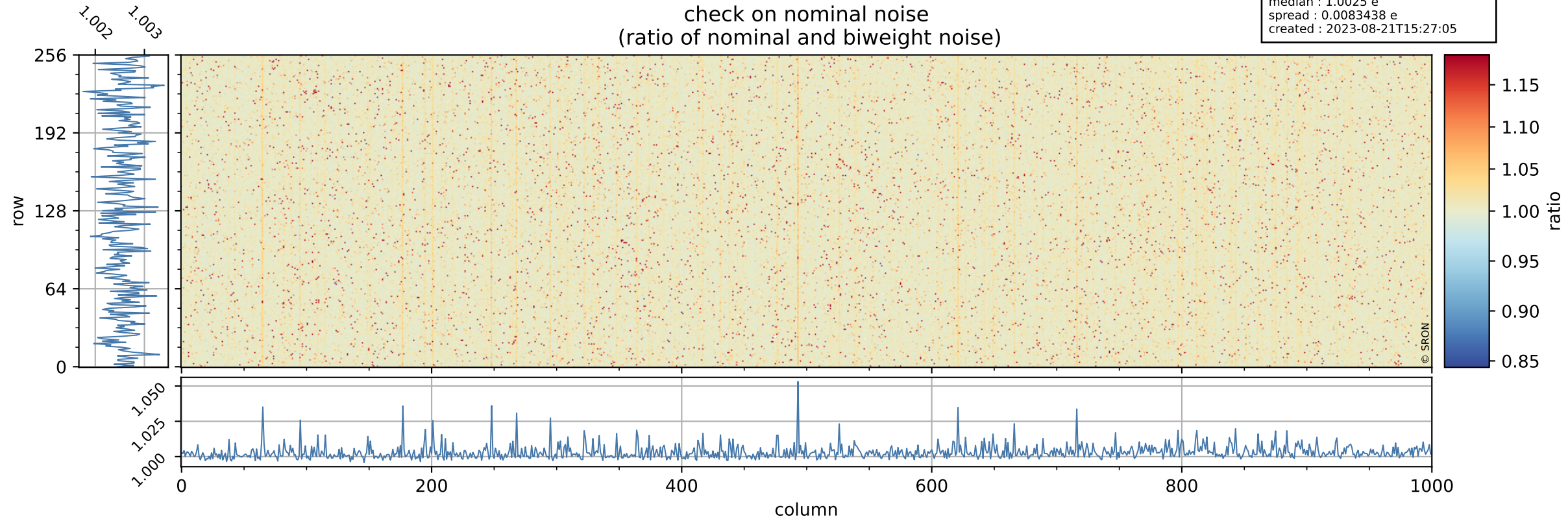
orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
median : 1.0019 e  
spread : 0.0097737 e  
created : 2023-08-21T15:27:04



# Tropomi SWIR background noise (swir)

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

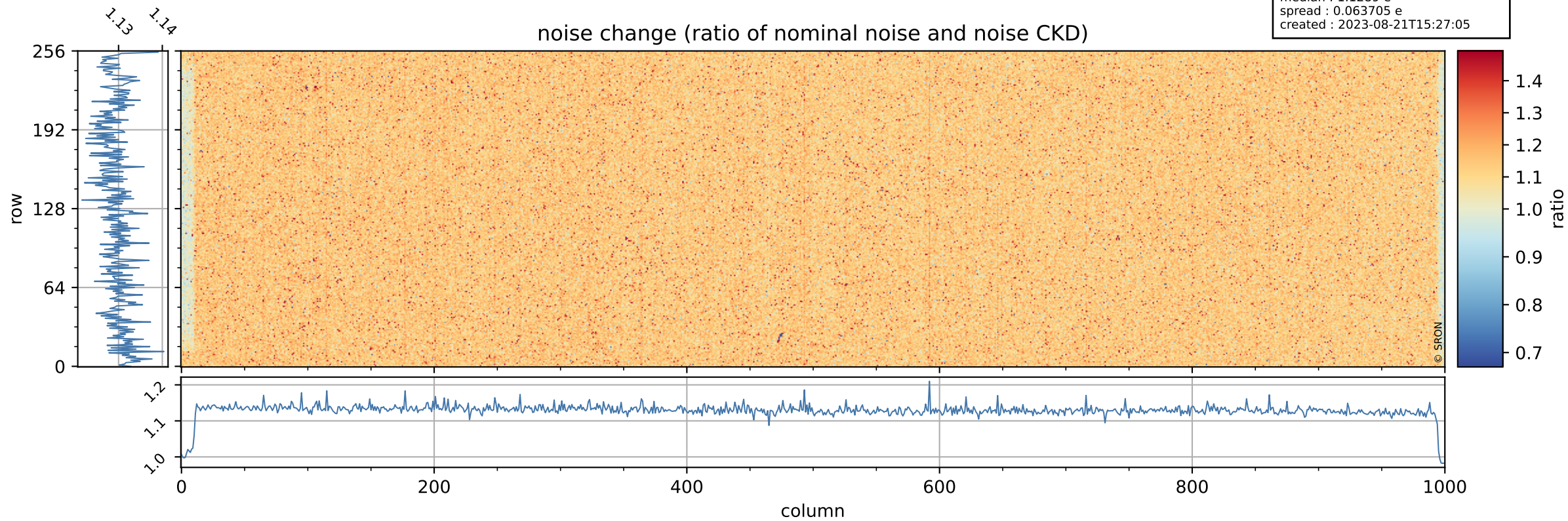
orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
median : 1.0025 e  
spread : 0.0083438 e  
created : 2023-08-21T15:27:05





# Tropomi SWIR background noise (swir)

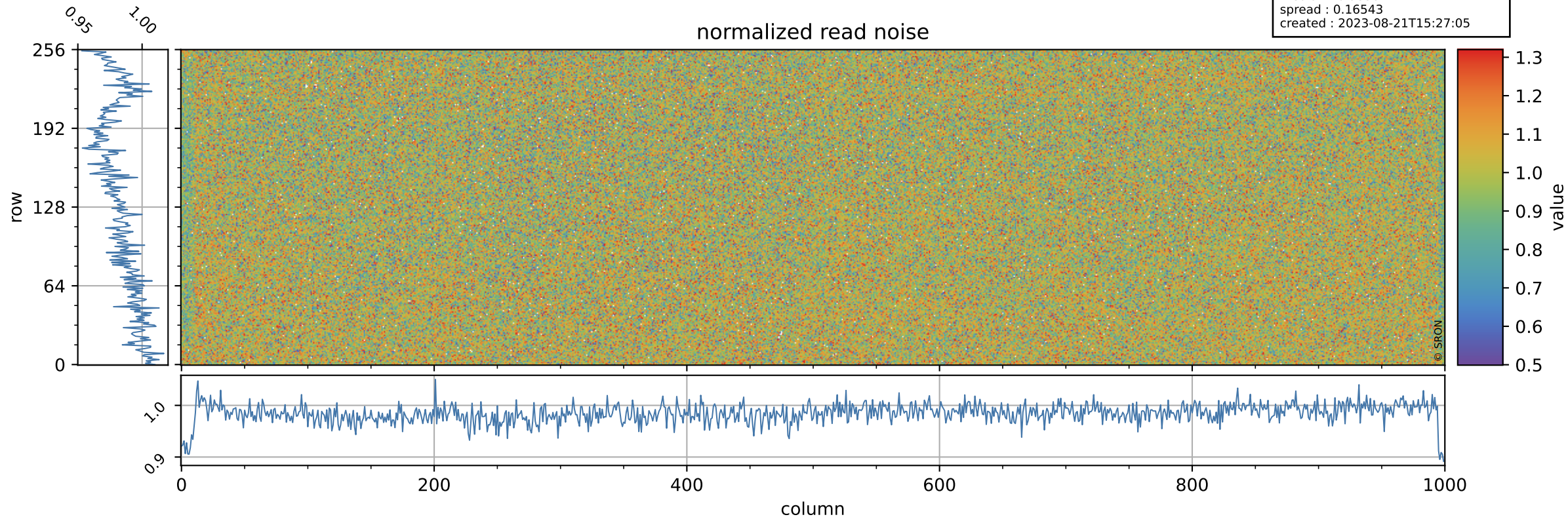
orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
median : 1.1289 e  
spread : 0.063705 e  
created : 2023-08-21T15:27:05





# Tropomi SWIR background noise (swir)

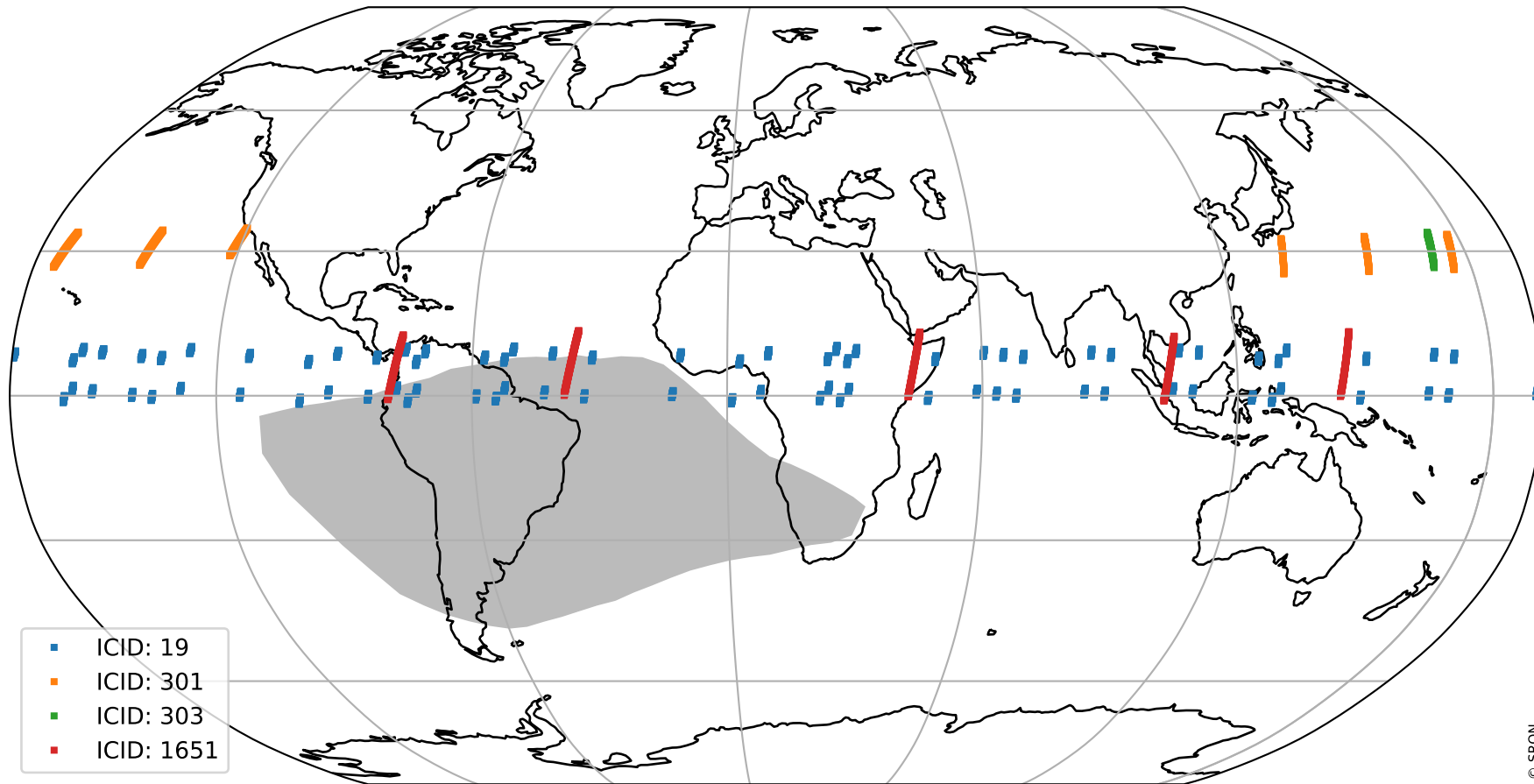
orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
median : 0.98304  
spread : 0.16543  
created : 2023-08-21T15:27:05





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

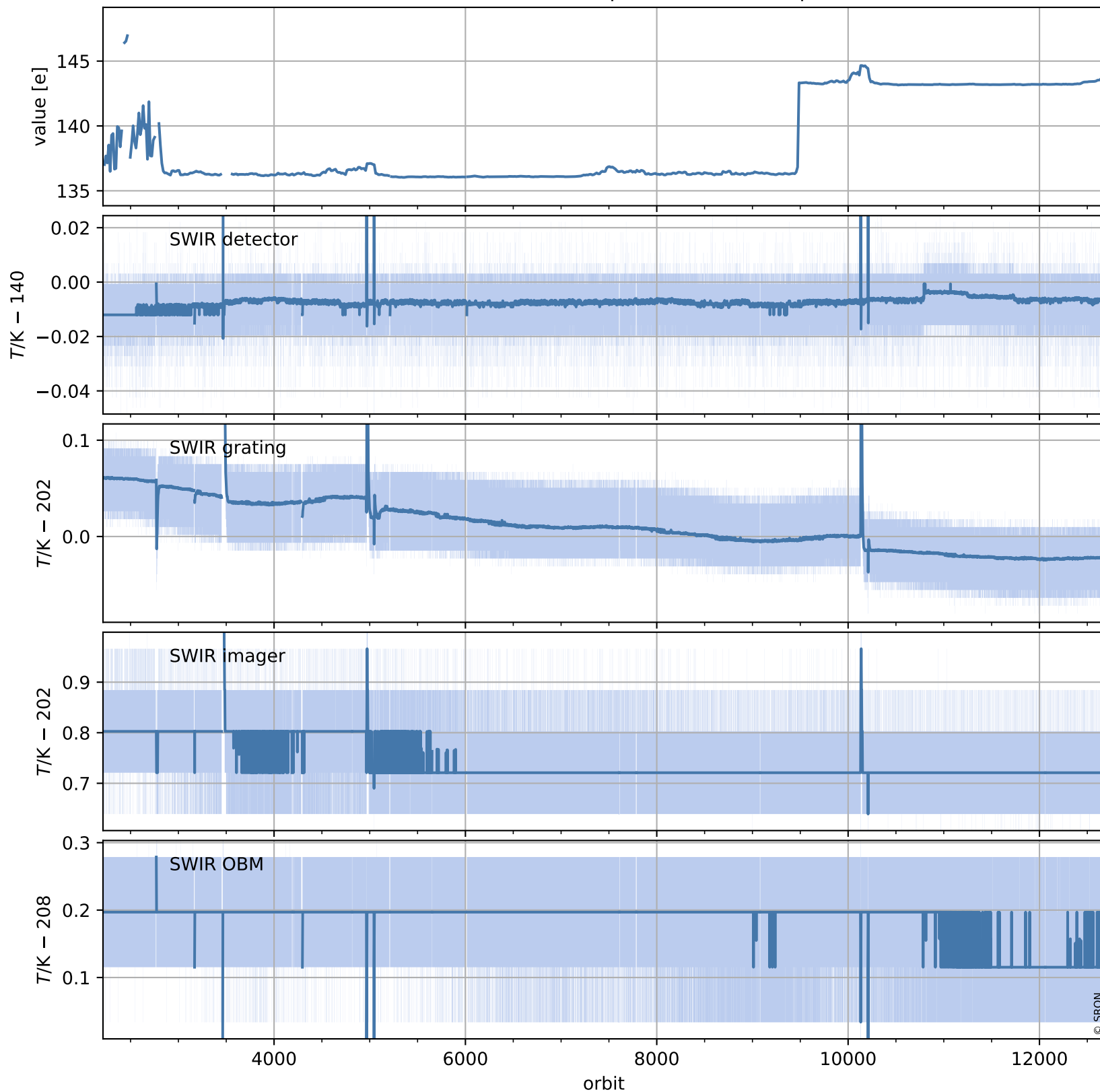
orbits : 12 in [12592, 12682]  
coverage : 2020-03-19 / 2020-03-24  
created : 2023-08-21T15:27:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 12682]  
coverage : 2018-03-18 / 2020-03-24  
created : 2023-08-21T15:27:06

## trend of detector median of plain noise & temperatures

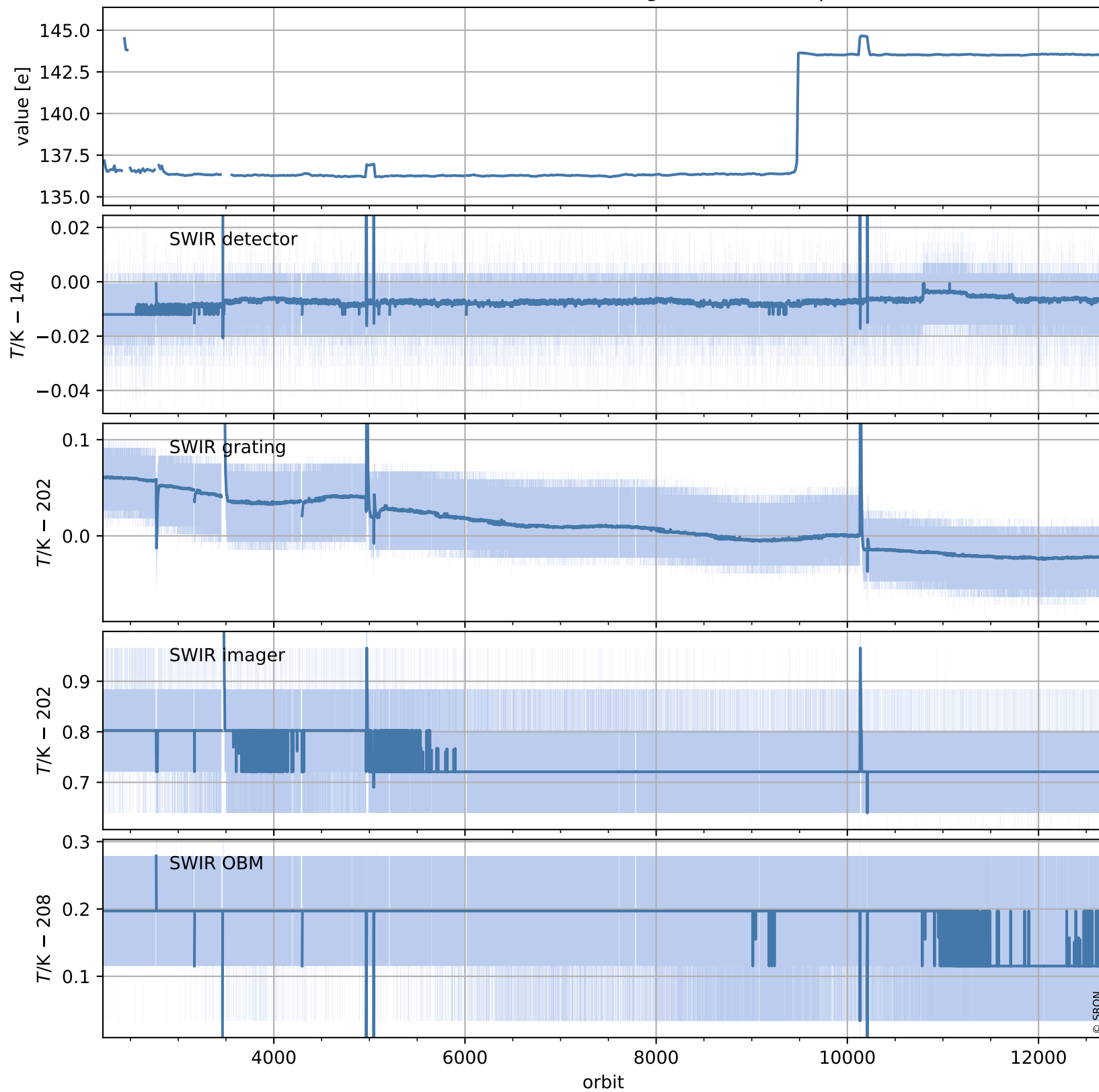




# Tropomi SWIR background noise (swir)

orbits : [2212, 12682]  
coverage : 2018-03-18 / 2020-03-24  
created : 2023-08-21T15:27:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12682]  
coverage : 2018-03-18 / 2020-03-24  
created : 2023-08-21T15:27:07

## trend of normalized read-noise & temperatures

