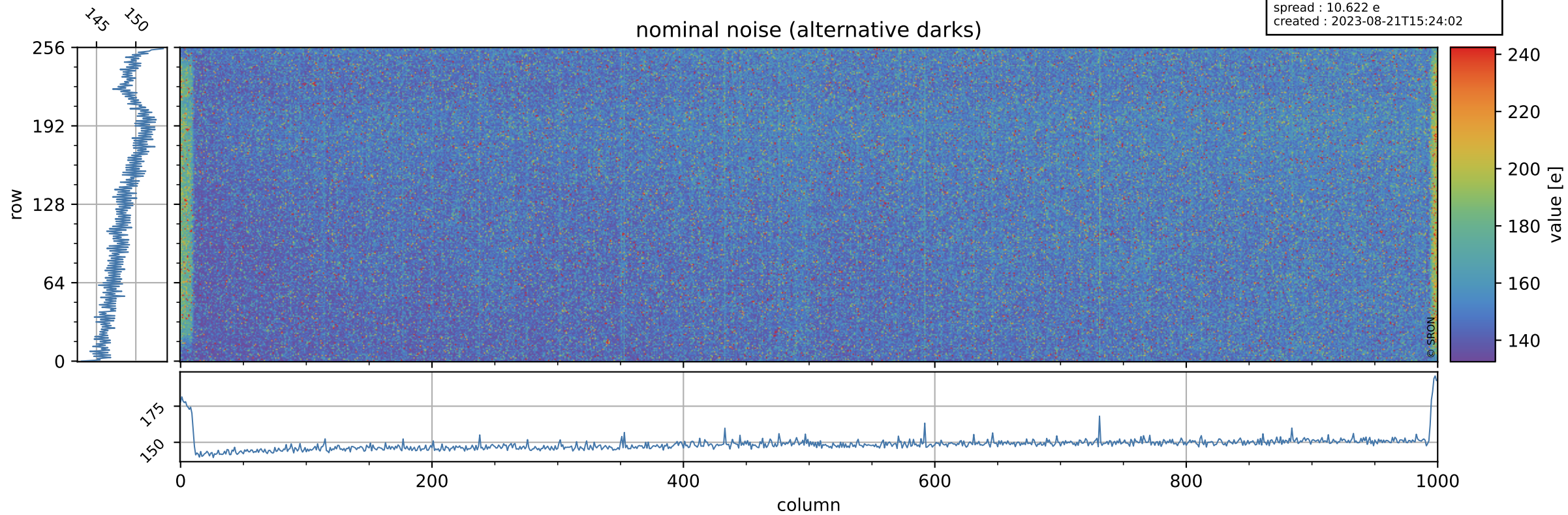


# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.622 e  
created : 2023-08-21T15:24:02

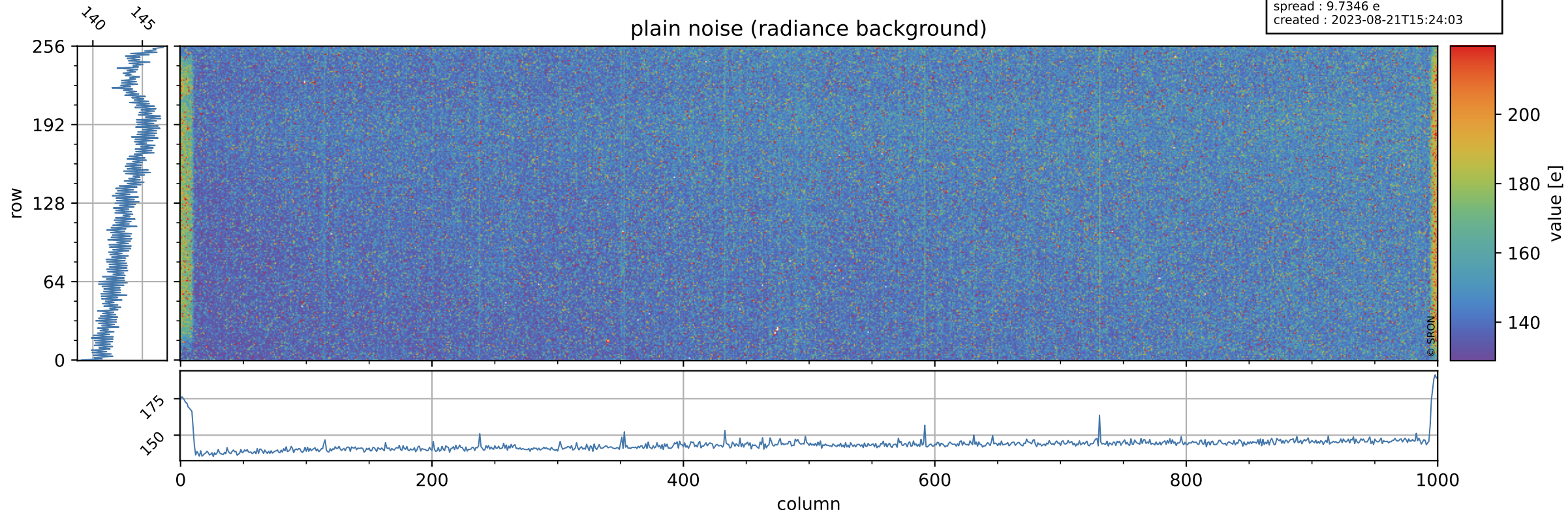
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7346 e  
created : 2023-08-21T15:24:03

## plain noise (radiance background)

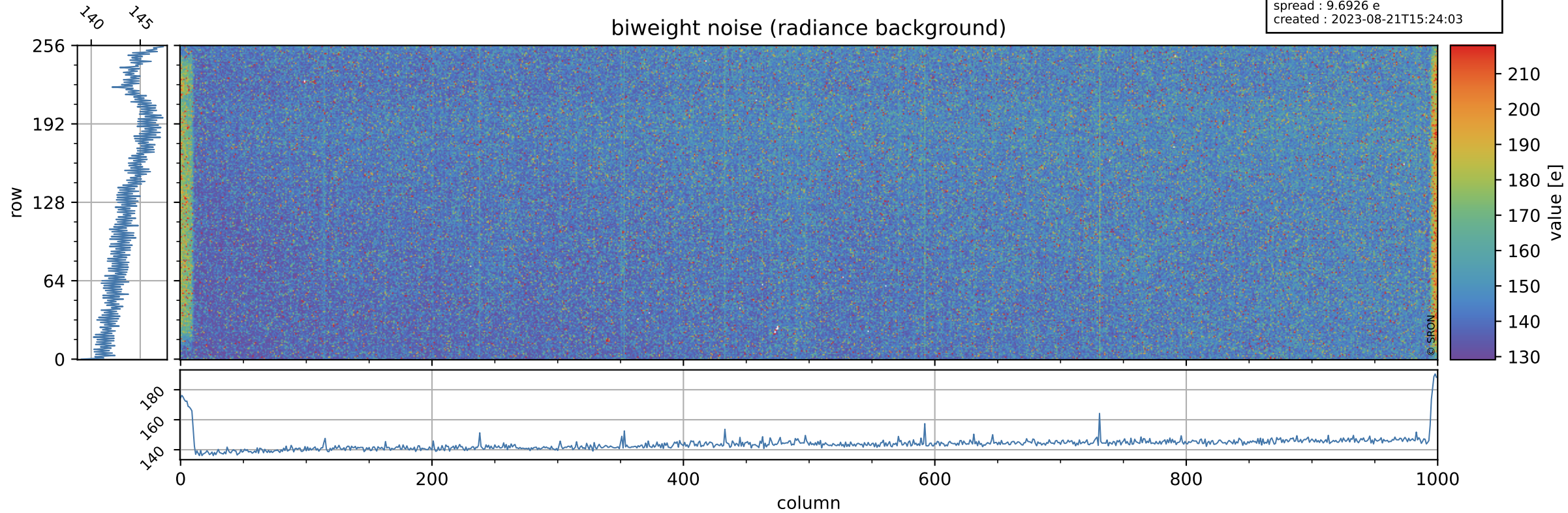




# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.6926 e  
created : 2023-08-21T15:24:03

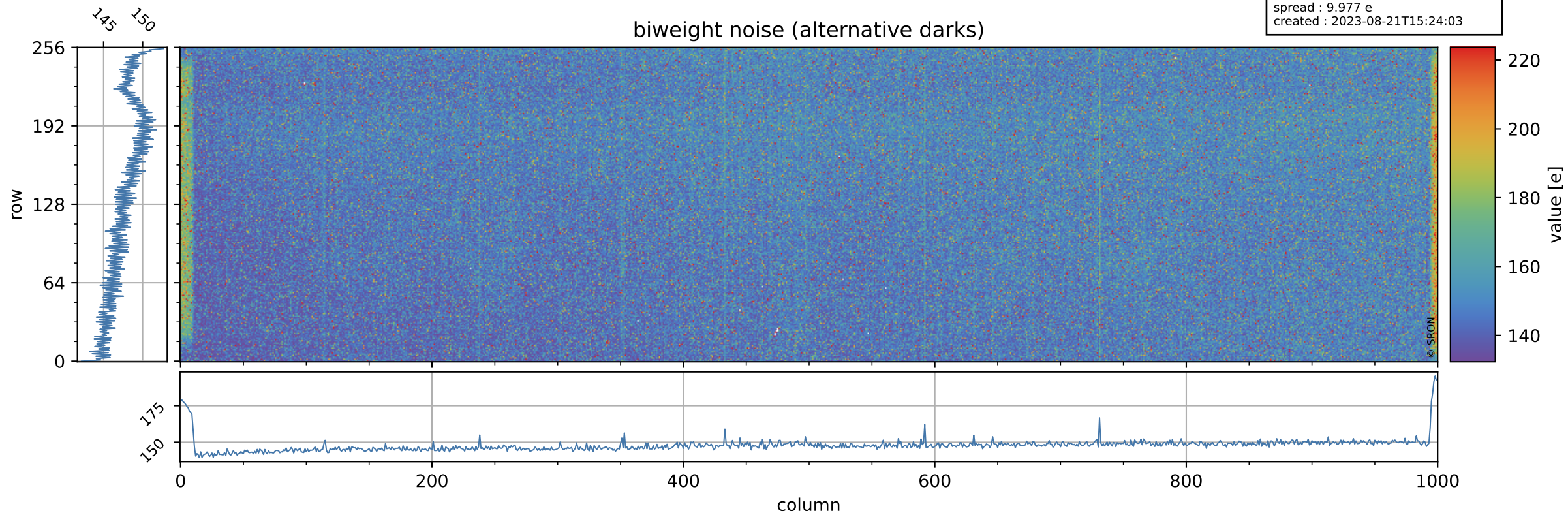
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 9.977 e  
created : 2023-08-21T15:24:03

## biweight noise (alternative darks)

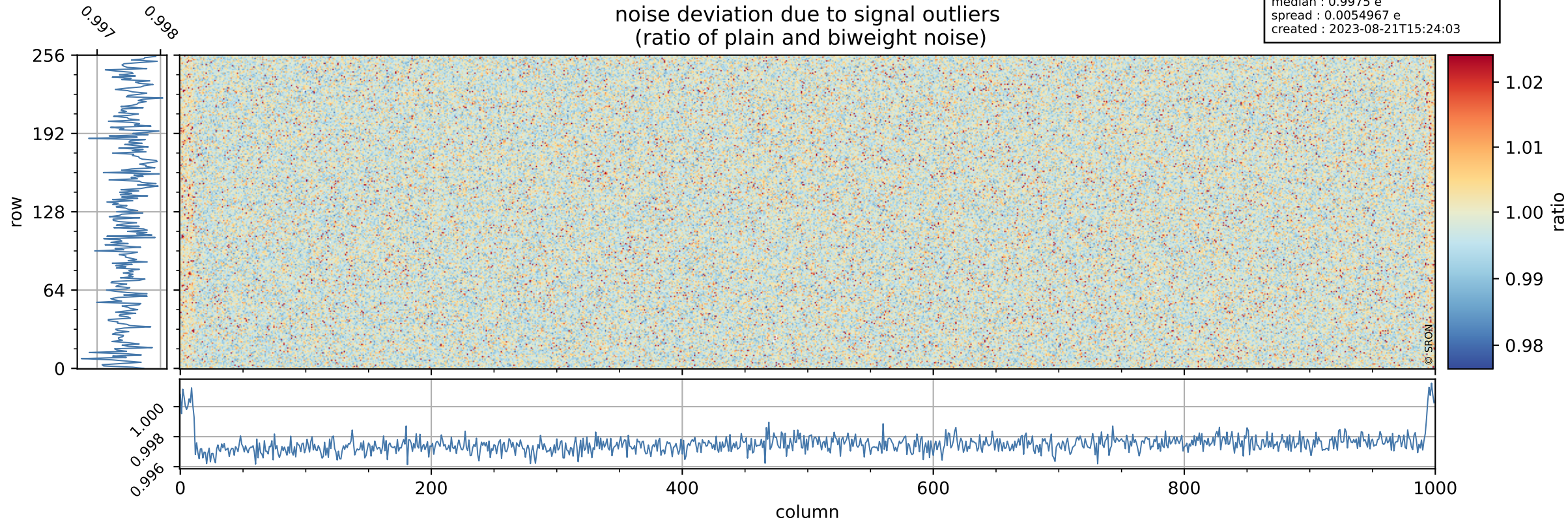




# Tropomi SWIR background noise (swir)

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

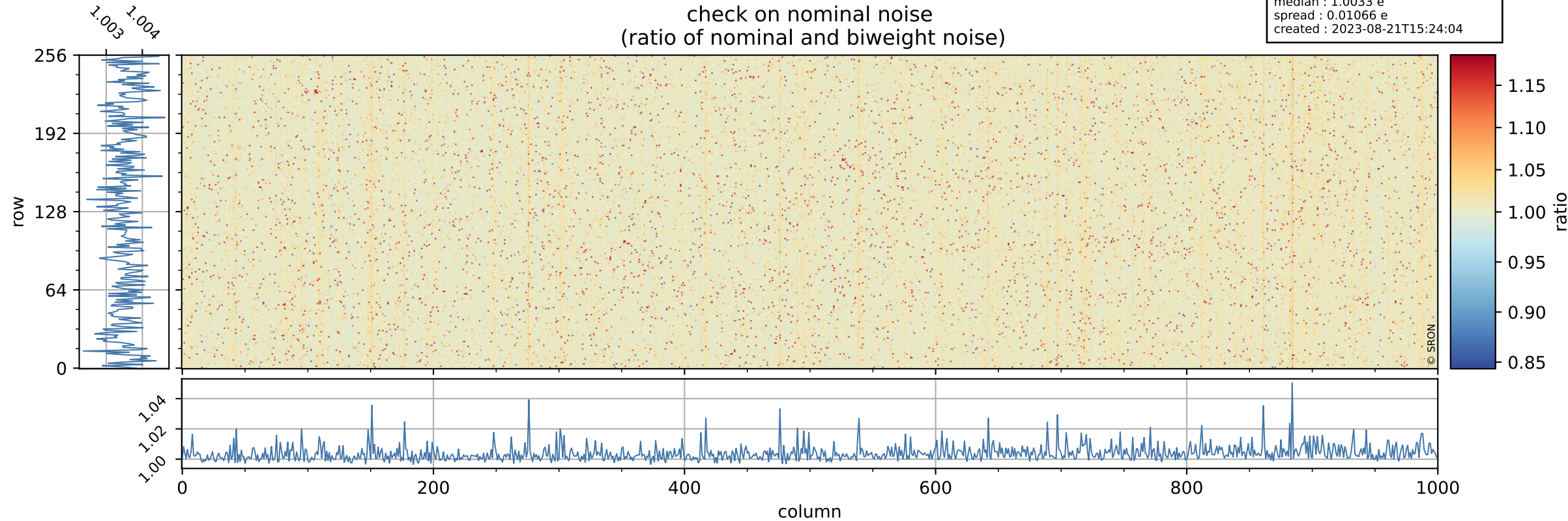
orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
median : 0.9975 e  
spread : 0.0054967 e  
created : 2023-08-21T15:24:03



# Tropomi SWIR background noise (swir)

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

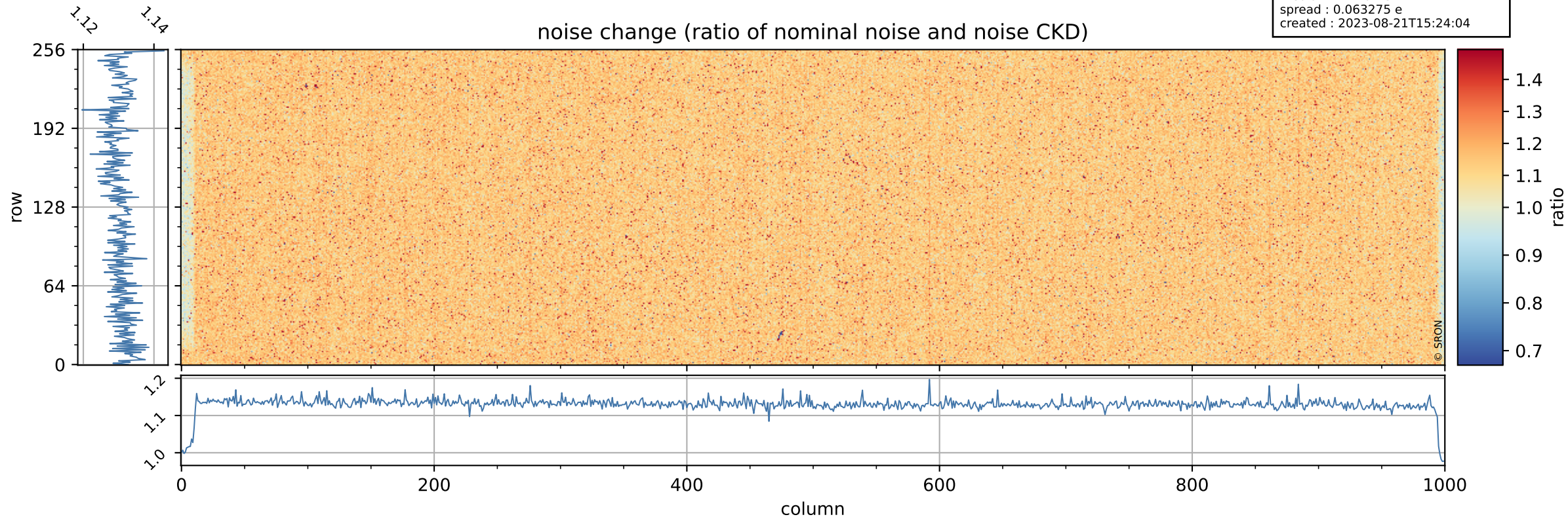
orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
median : 1.0033 e  
spread : 0.01066 e  
created : 2023-08-21T15:24:04





# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
median : 1.1297 e  
spread : 0.063275 e  
created : 2023-08-21T15:24:04

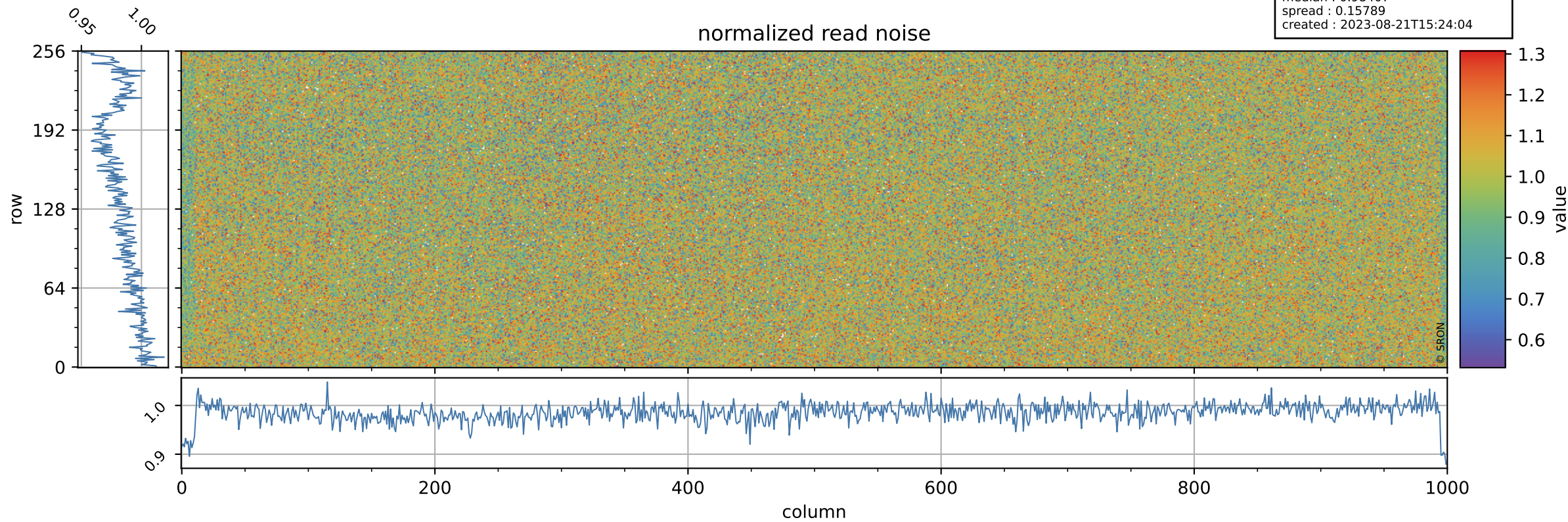




# Tropomi SWIR background noise (swir)

orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
median : 0.98407  
spread : 0.15789  
created : 2023-08-21T15:24:04

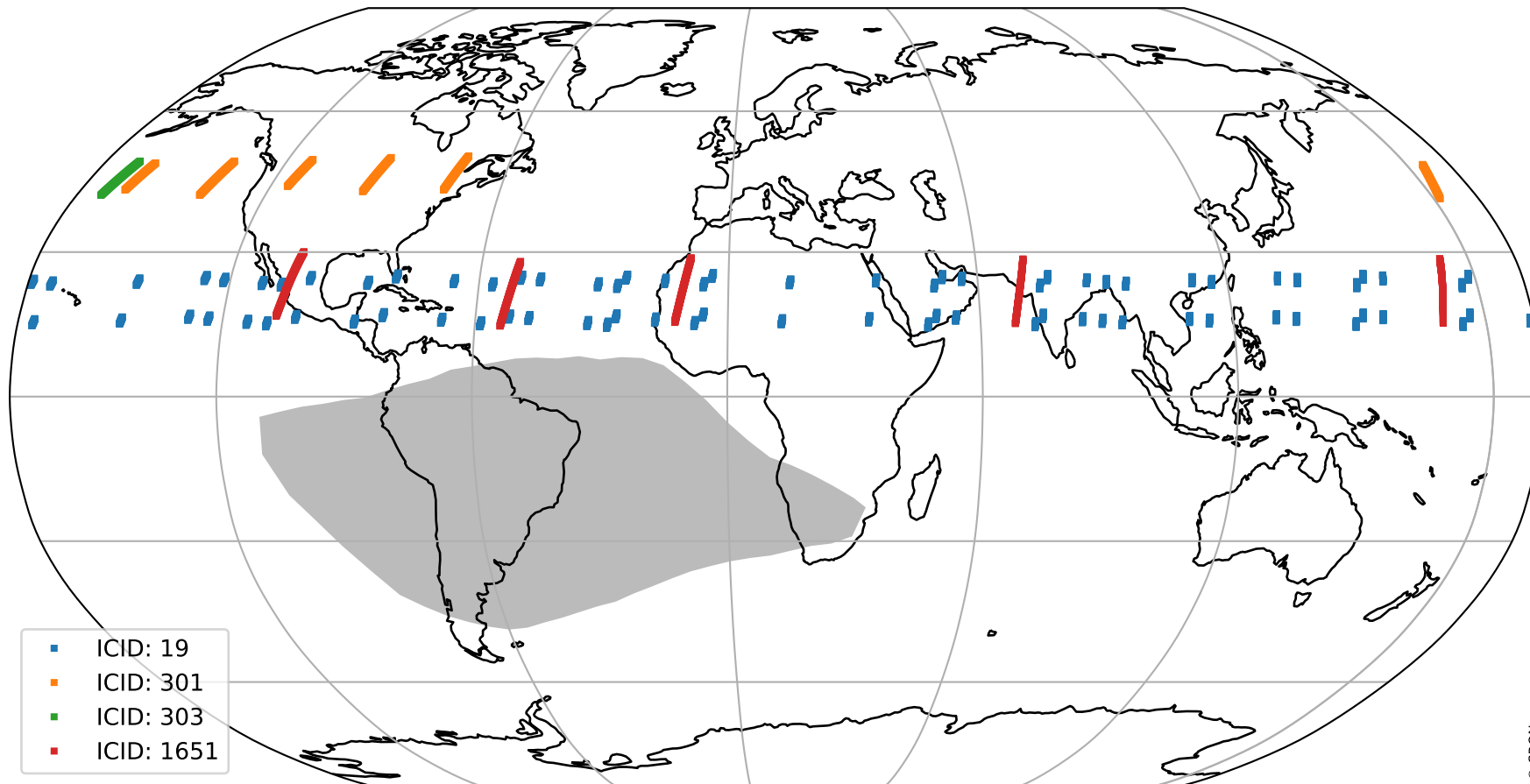
normalized read noise





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

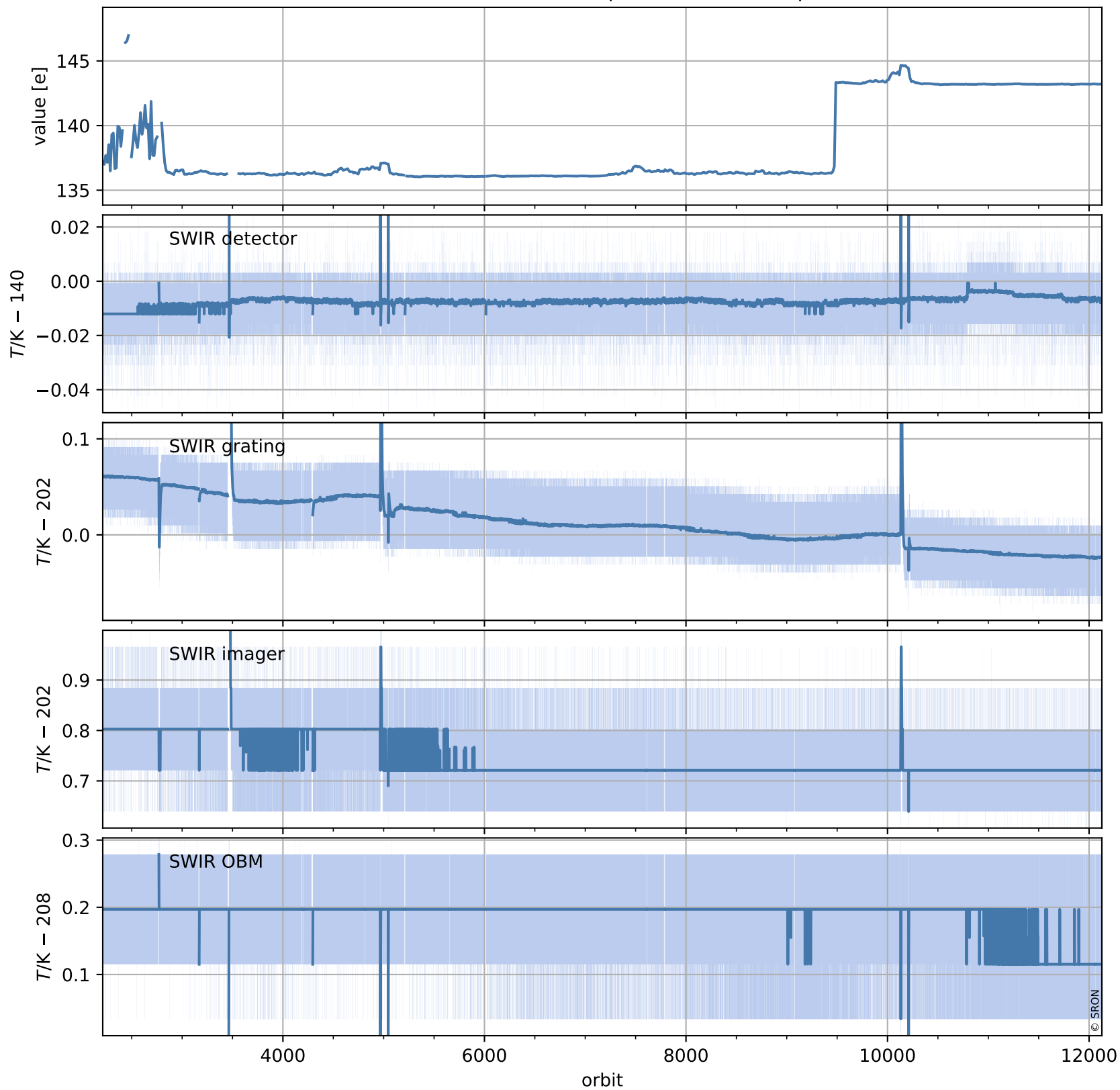
orbits : 12 in [12037, 12127]  
coverage : 2020-02-09 / 2020-02-15  
created : 2023-08-21T15:24:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 12127]  
coverage : 2018-03-18 / 2020-02-15  
created : 2023-08-21T15:24:05

## trend of detector median of plain noise & temperatures

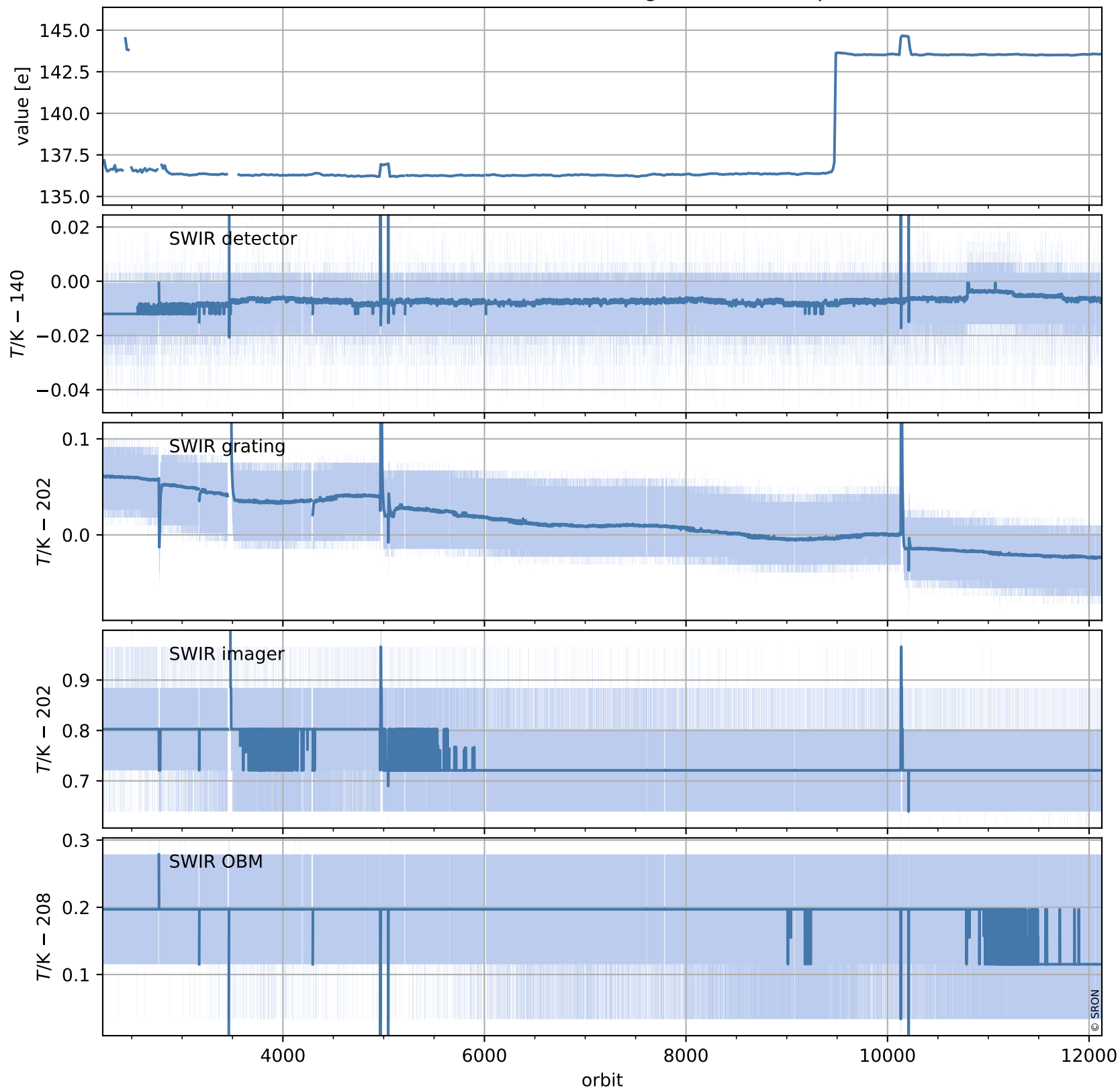




# Tropomi SWIR background noise (swir)

orbits : [2212, 12127]  
coverage : 2018-03-18 / 2020-02-15  
created : 2023-08-21T15:24:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12127]  
coverage : 2018-03-18 / 2020-02-15  
created : 2023-08-21T15:24:06

## trend of normalized read-noise & temperatures

