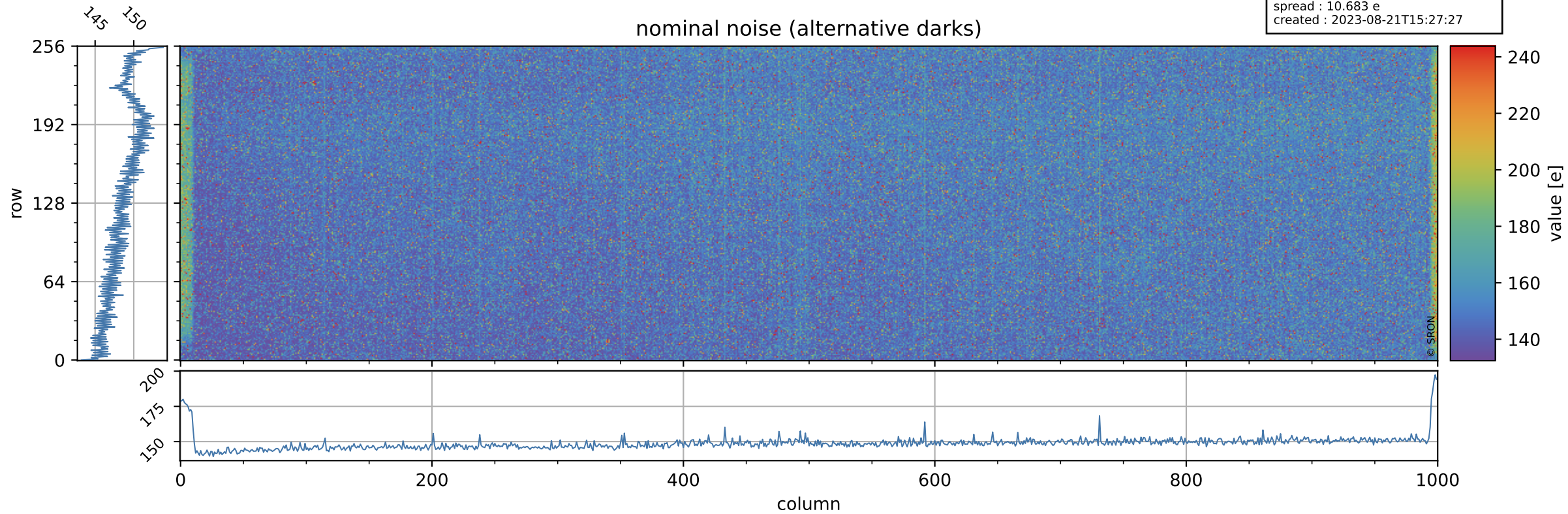


# Tropomi SWIR background noise (swir)

orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.683 e  
created : 2023-08-21T15:27:27

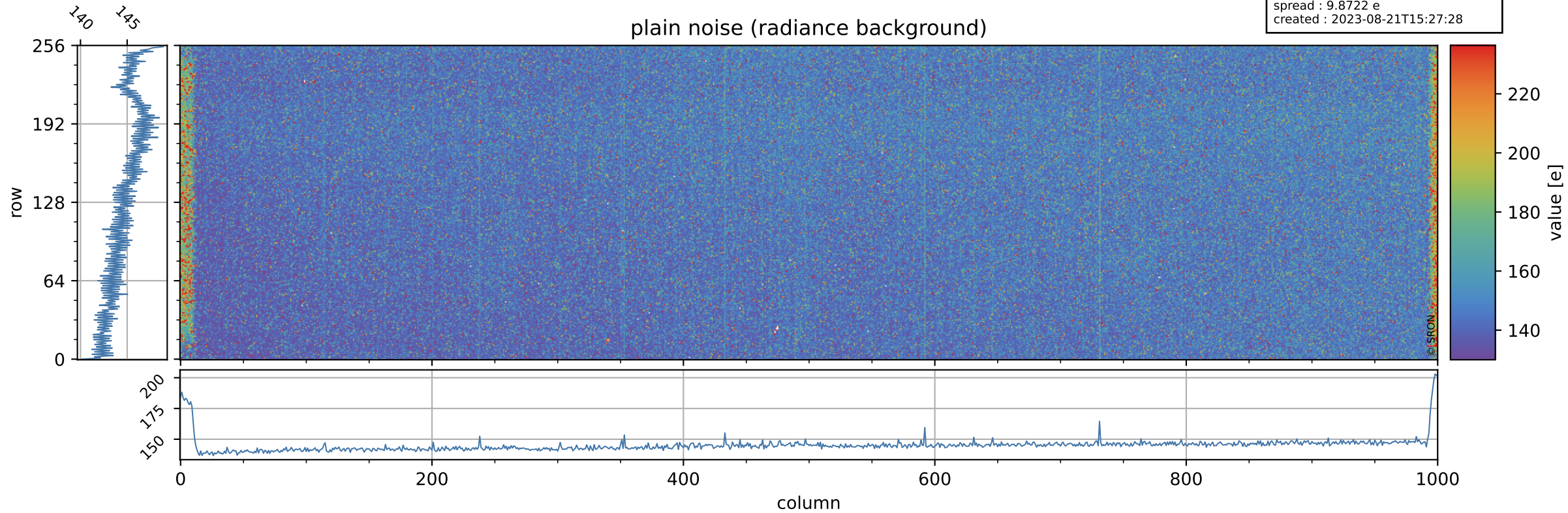
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
n\_coad, t\_exp : 1, 0.8383  
median : 144.64 e  
spread : 9.8722 e  
created : 2023-08-21T15:27:28

plain noise (radiance background)

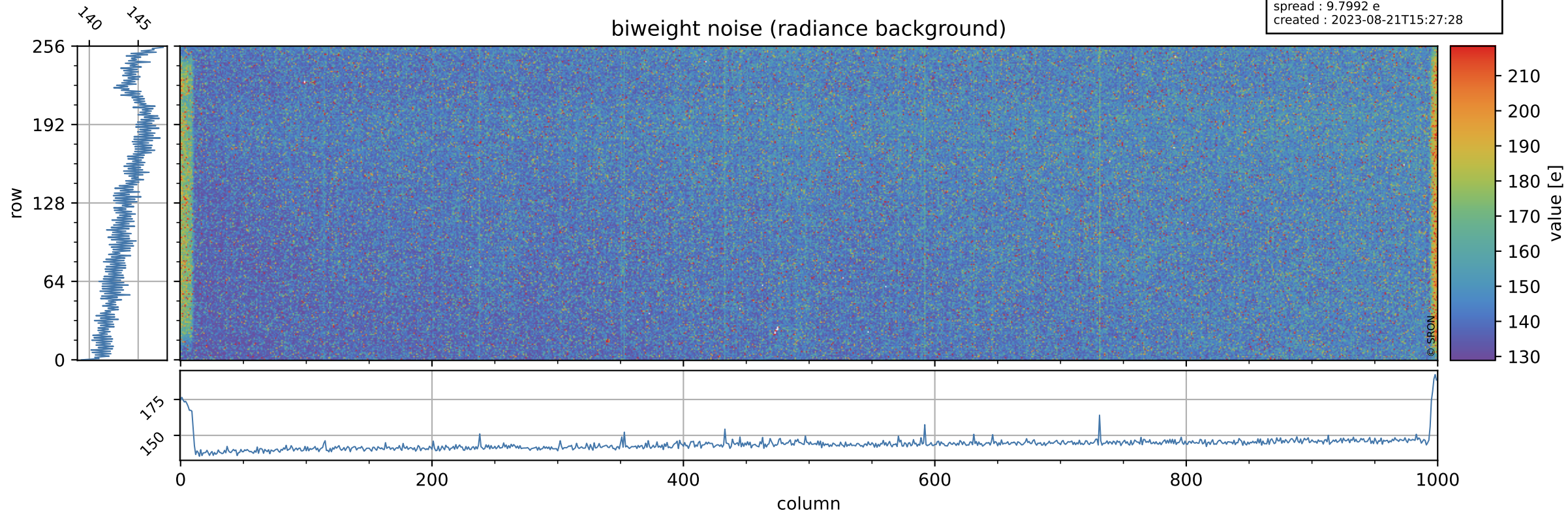




# Tropomi SWIR background noise (swir)

orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.7992 e  
created : 2023-08-21T15:27:28

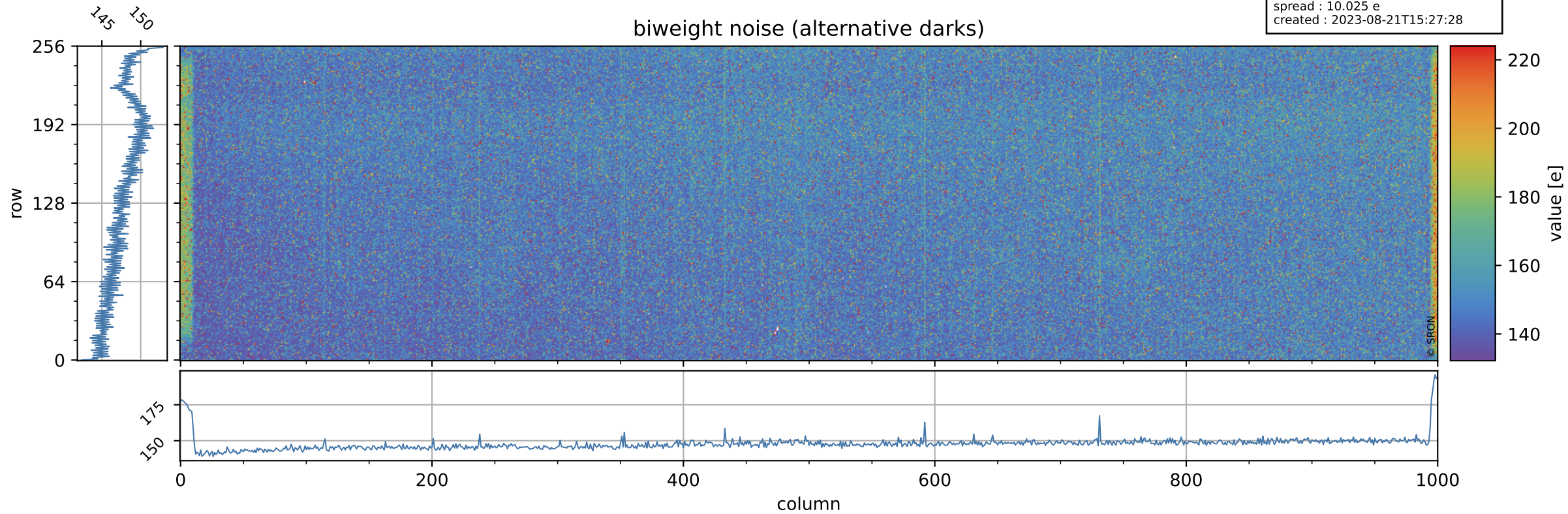
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 10.025 e  
created : 2023-08-21T15:27:28

## biweight noise (alternative darks)

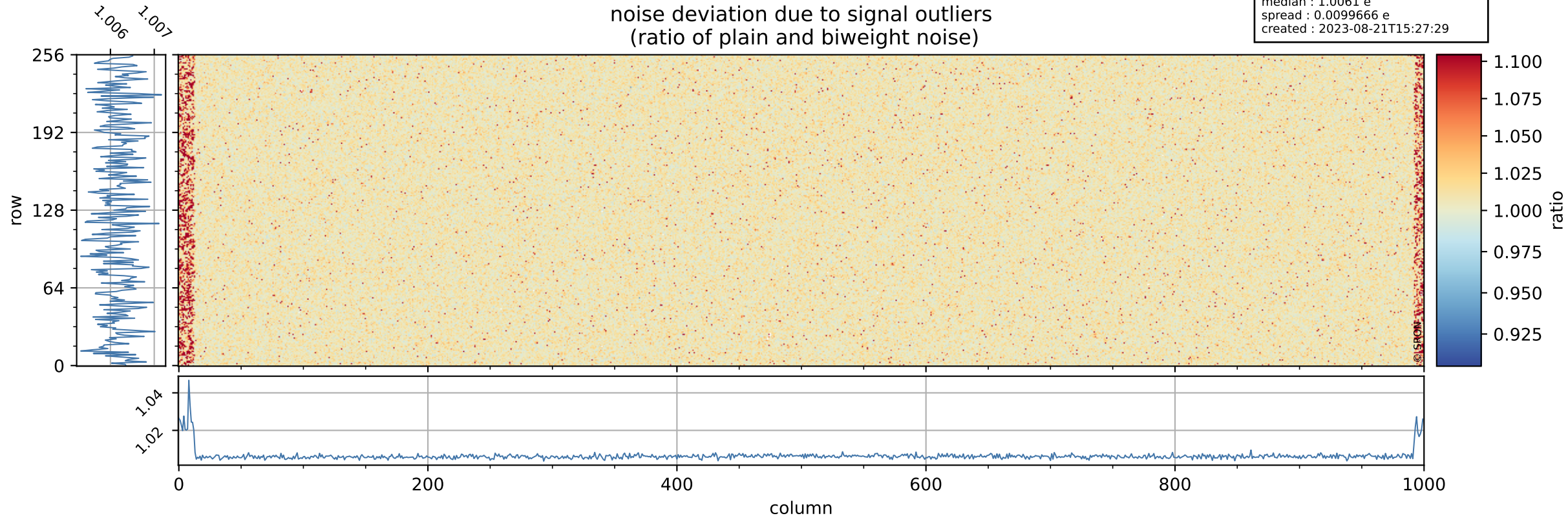




# Tropomi SWIR background noise (swir)

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

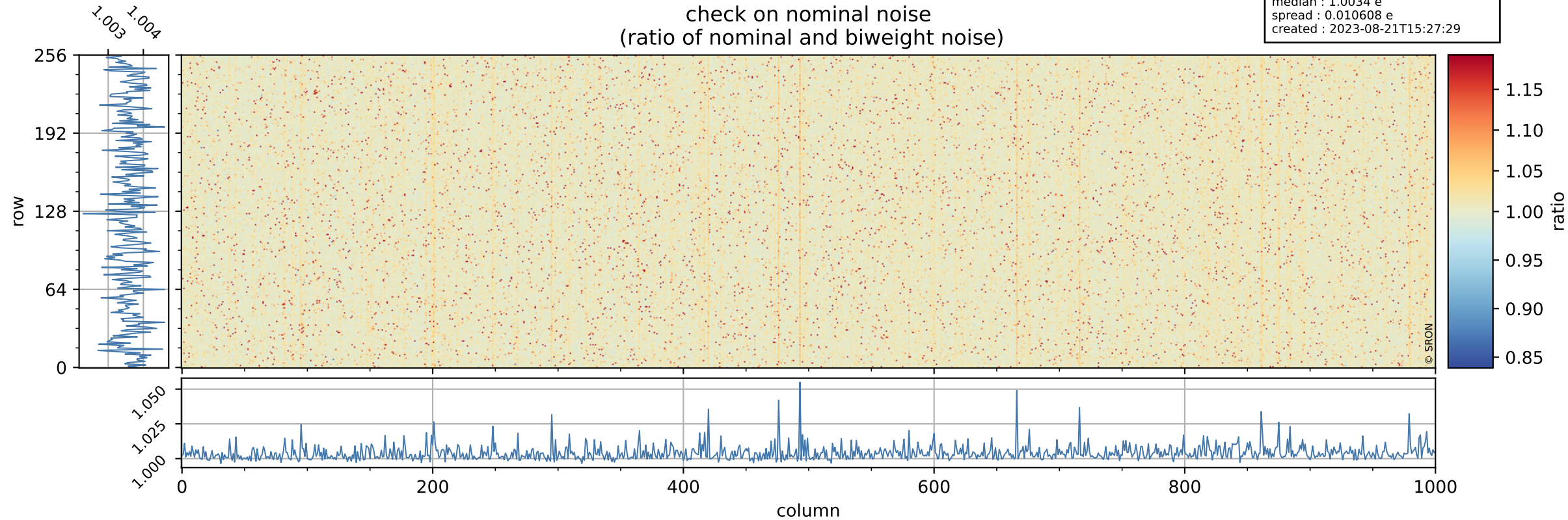
orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
median : 1.0061 e  
spread : 0.0099666 e  
created : 2023-08-21T15:27:29



# Tropomi SWIR background noise (swir)

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

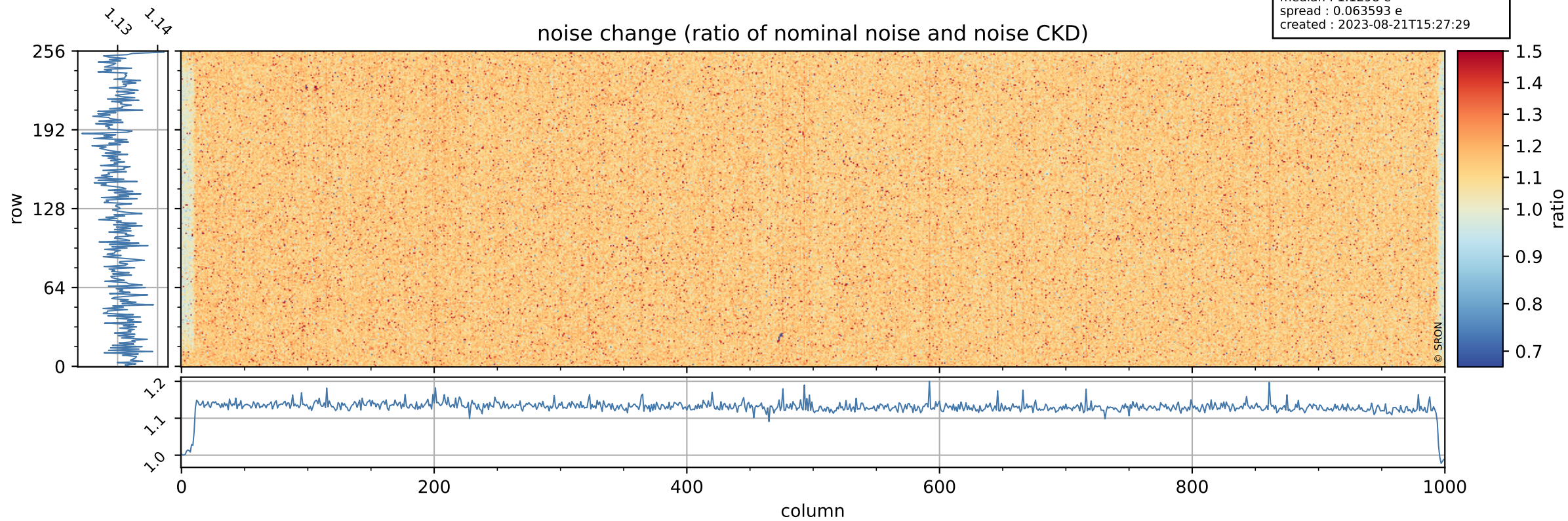
orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
median : 1.0034 e  
spread : 0.010608 e  
created : 2023-08-21T15:27:29





# Tropomi SWIR background noise (swir)

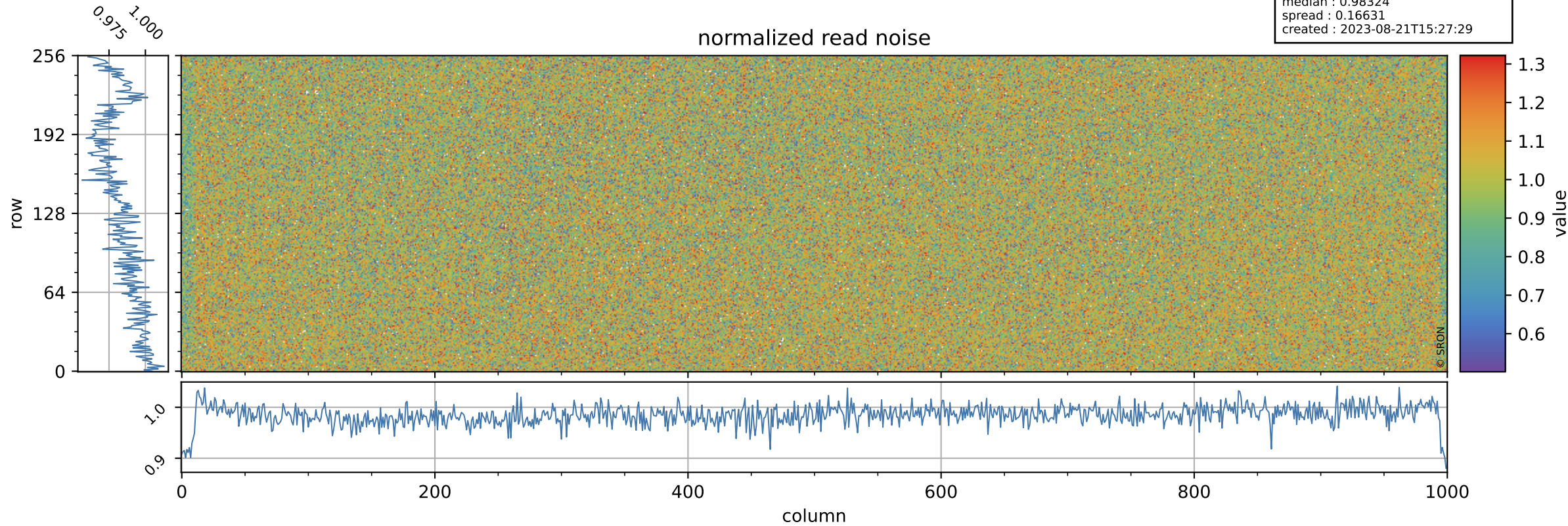
orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
median : 1.1298 e  
spread : 0.063593 e  
created : 2023-08-21T15:27:29





# Tropomi SWIR background noise (swir)

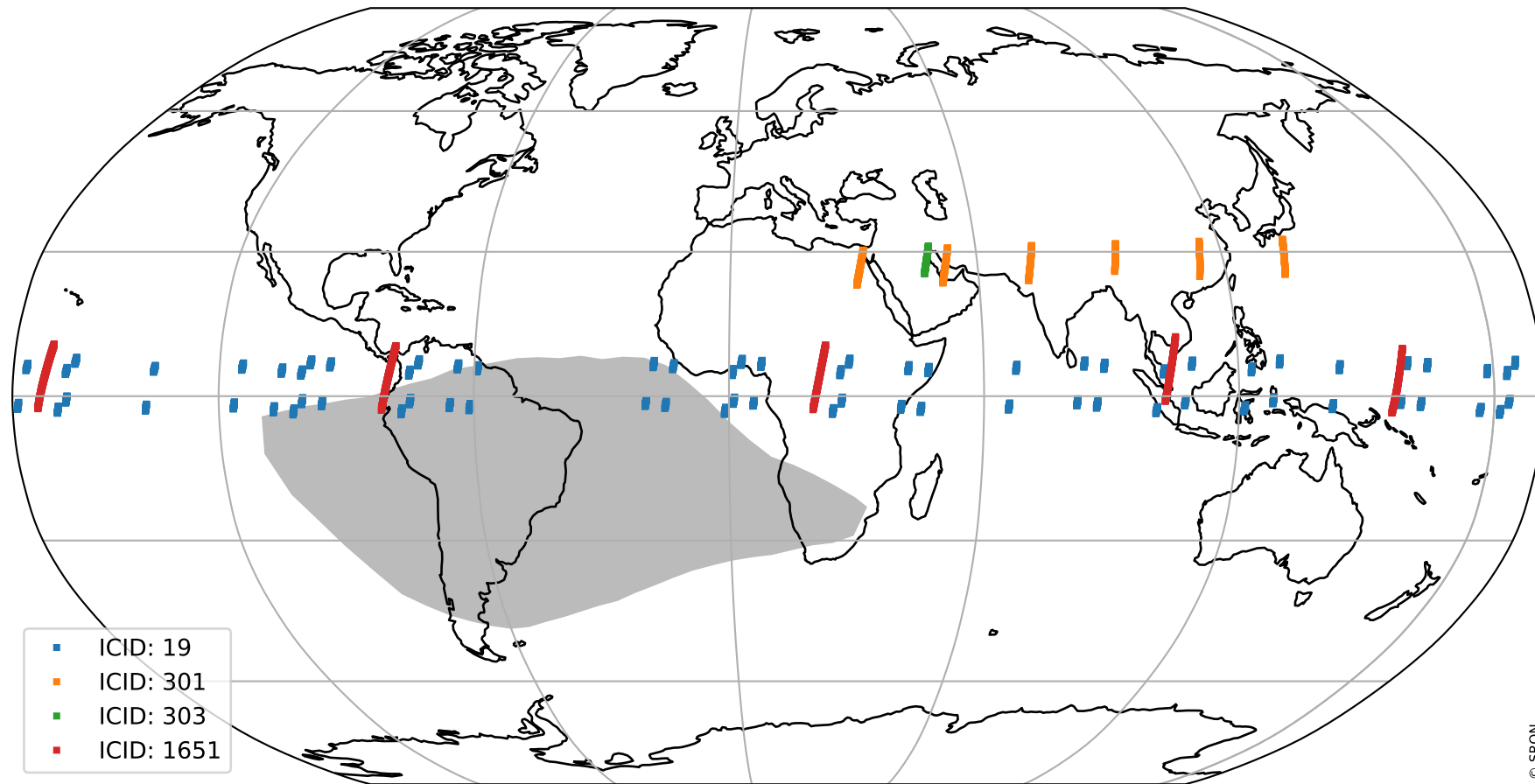
orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
median : 0.98324  
spread : 0.16631  
created : 2023-08-21T15:27:29





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

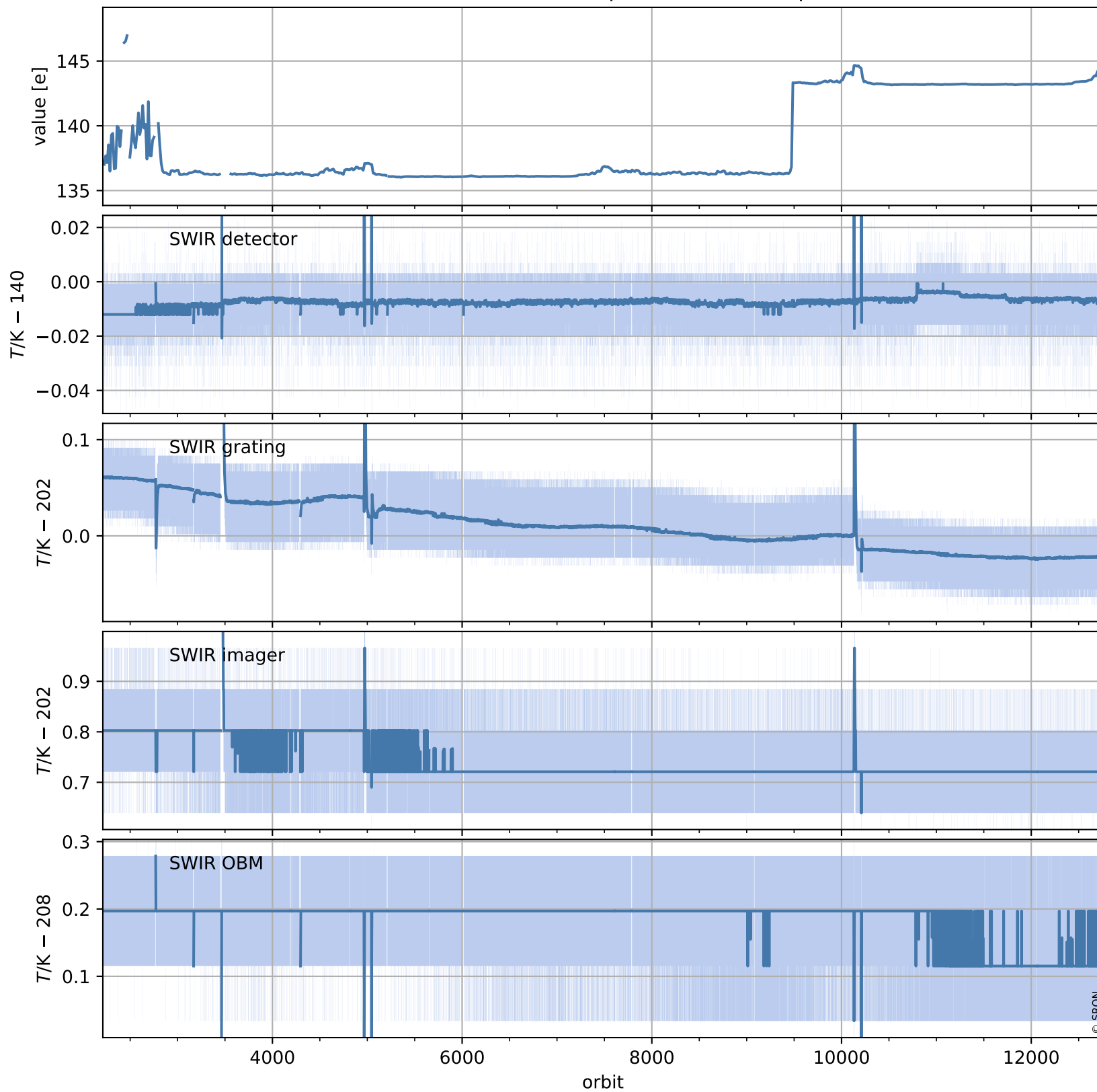
orbits : 12 in [12667, 12757]  
coverage : 2020-03-24 / 2020-03-30  
created : 2023-08-21T15:27:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 12757]  
coverage : 2018-03-18 / 2020-03-30  
created : 2023-08-21T15:27:30

## trend of detector median of plain noise & temperatures

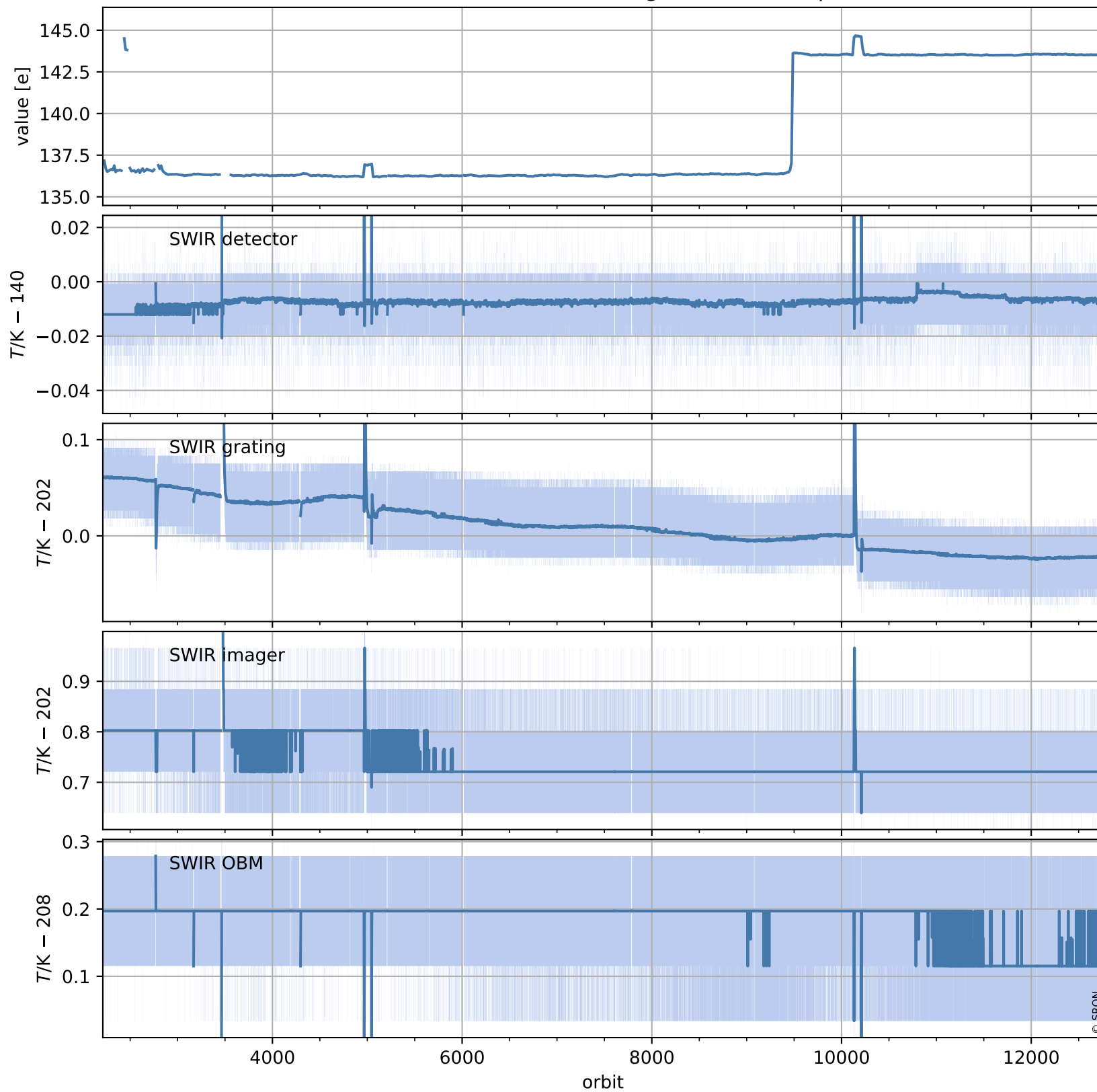




# Tropomi SWIR background noise (swir)

orbits : [2212, 12757]  
coverage : 2018-03-18 / 2020-03-30  
created : 2023-08-21T15:27:31

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12757]  
coverage : 2018-03-18 / 2020-03-30  
created : 2023-08-21T15:27:31

## trend of normalized read-noise & temperatures

