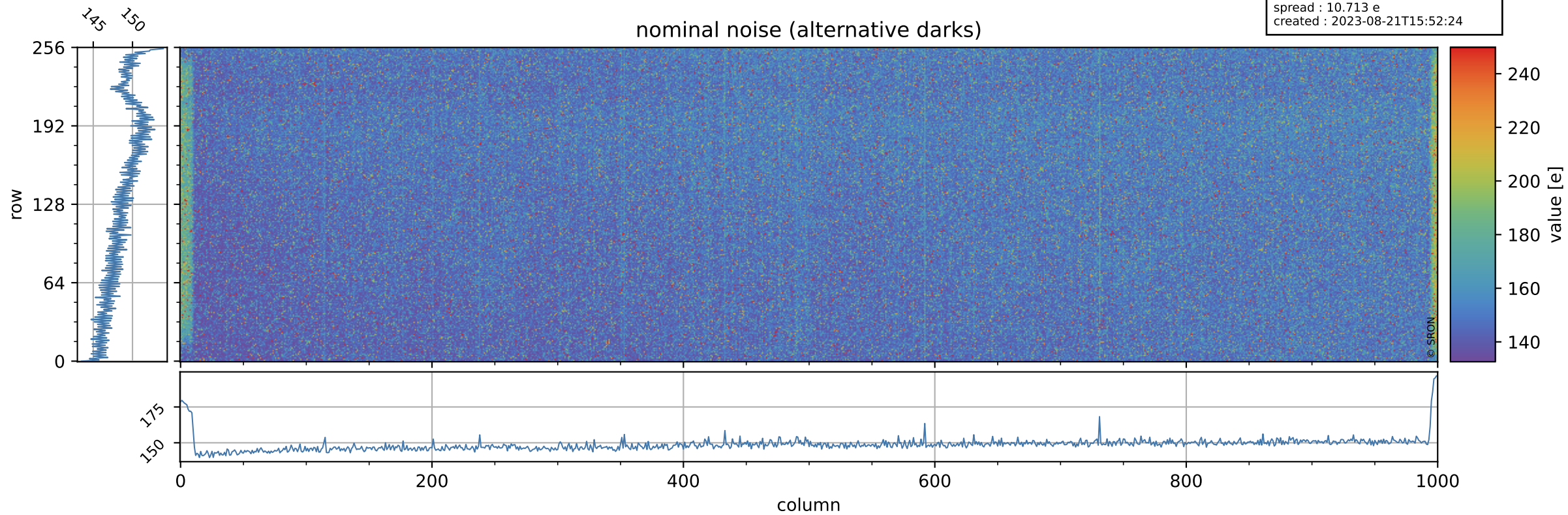


# Tropomi SWIR background noise (swir)

orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.63 e  
spread : 10.713 e  
created : 2023-08-21T15:52:24

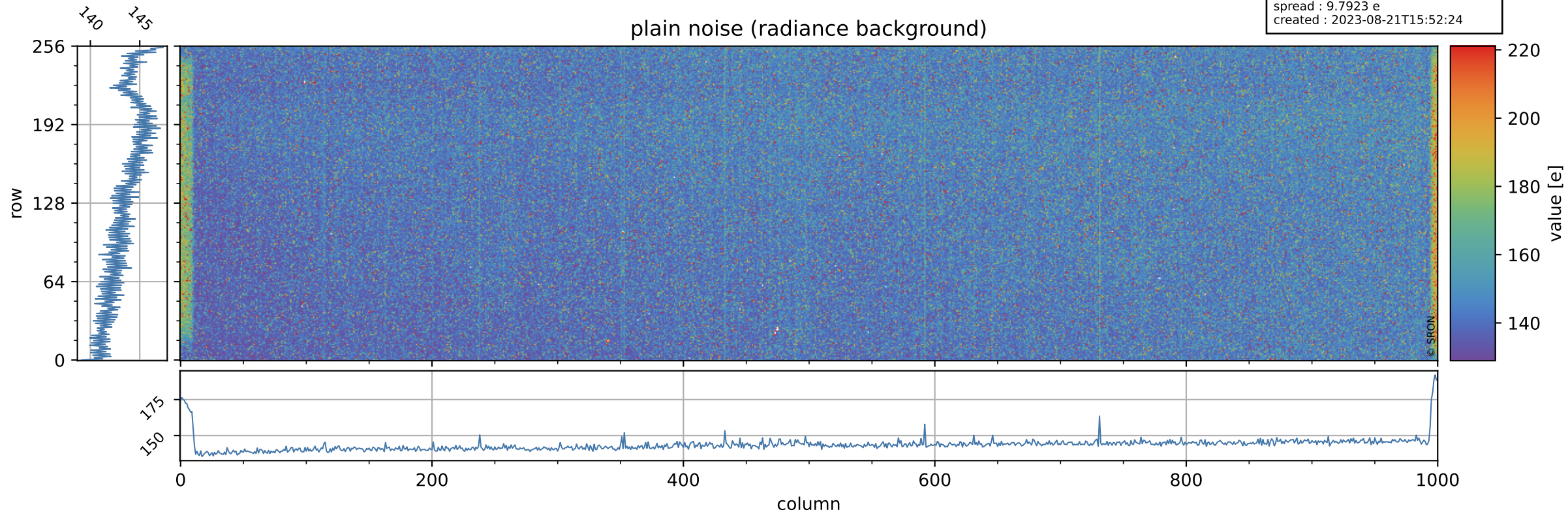
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7923 e  
created : 2023-08-21T15:52:24

## plain noise (radiance background)

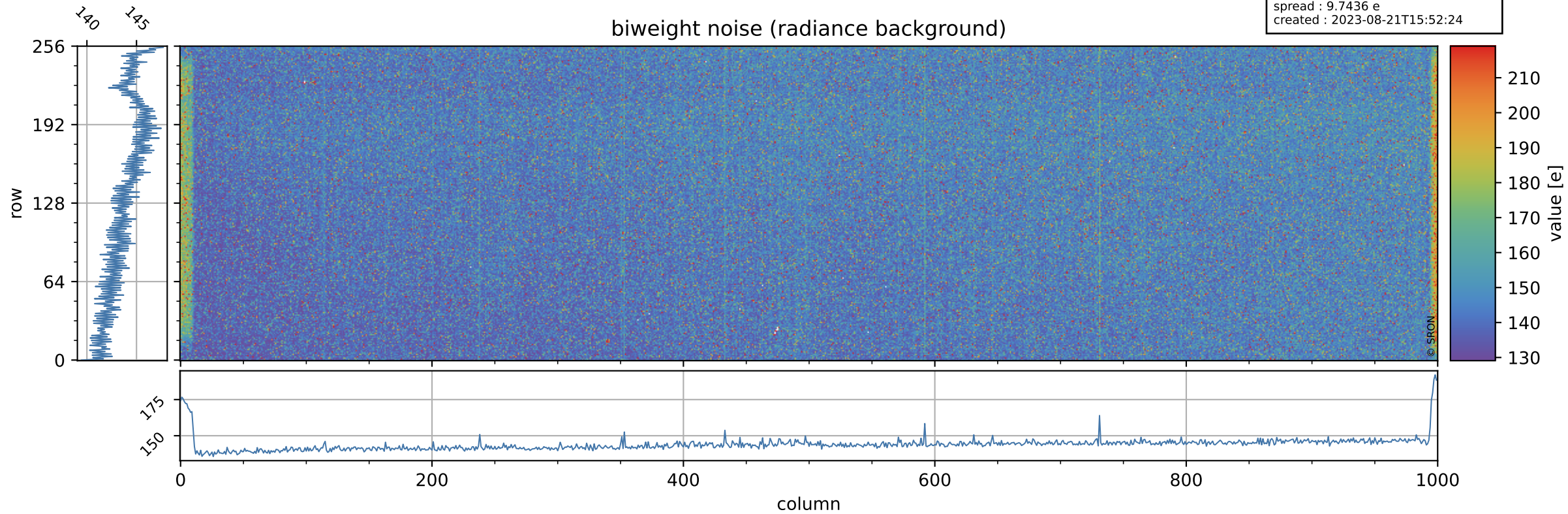




# Tropomi SWIR background noise (swir)

orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7436 e  
created : 2023-08-21T15:52:24

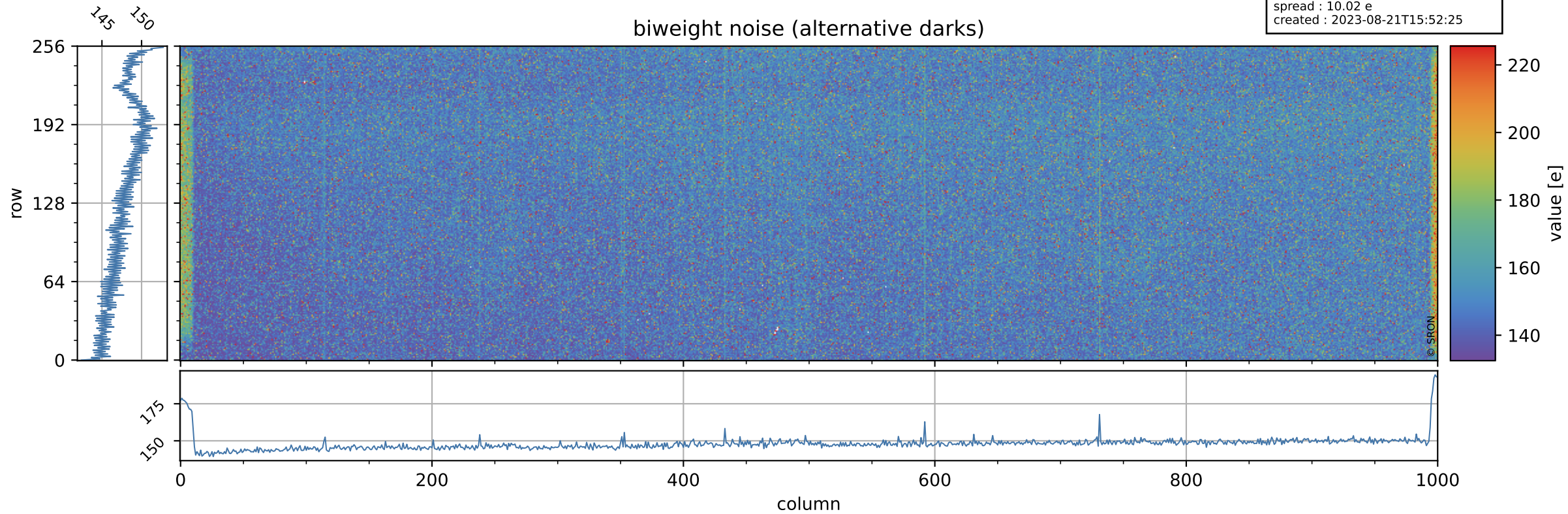
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.02 e  
created : 2023-08-21T15:52:25

## biweight noise (alternative darks)

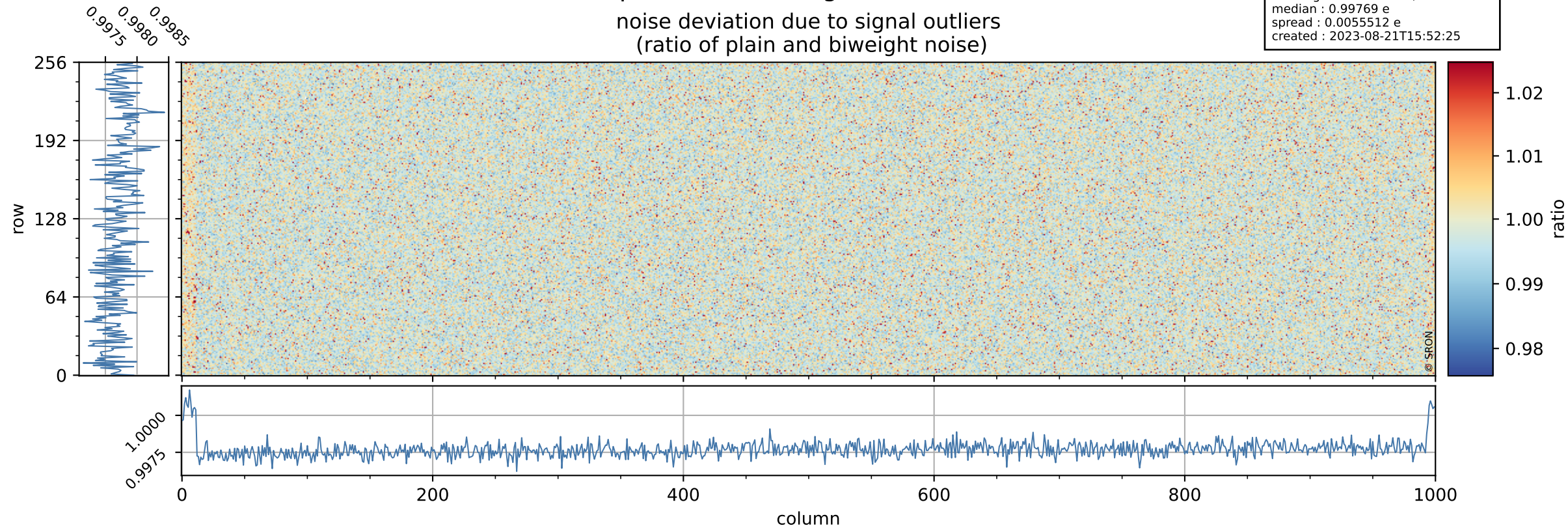




# Tropomi SWIR background noise (swir)

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

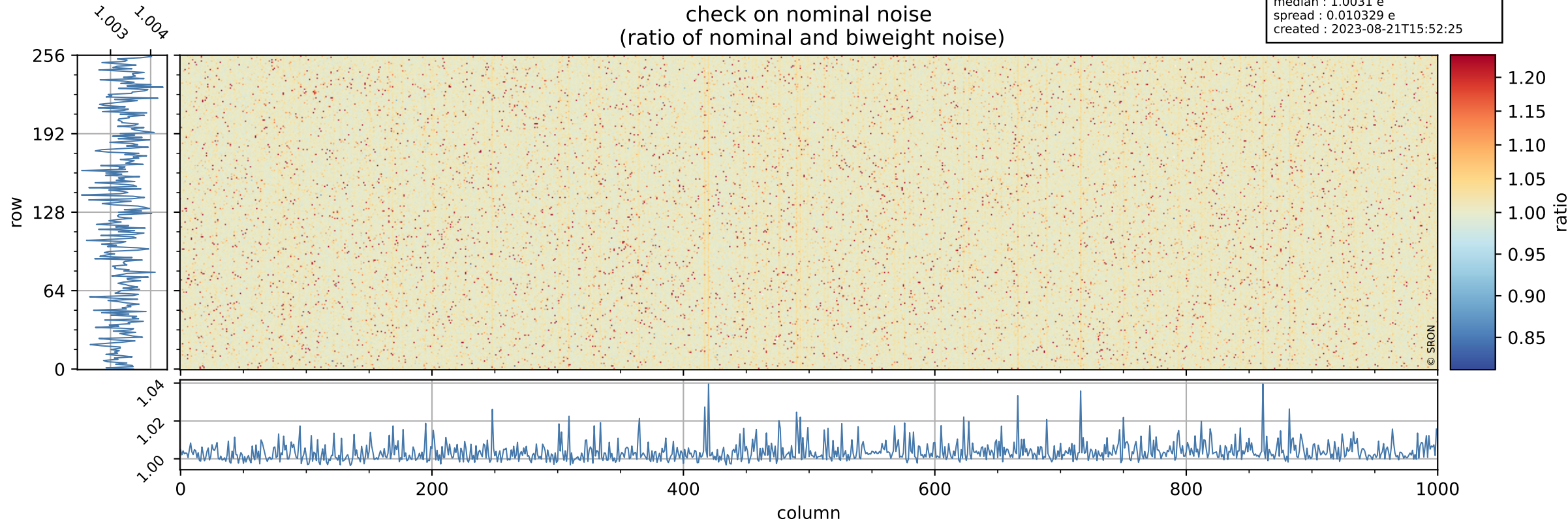
orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
median : 0.99769 e  
spread : 0.0055512 e  
created : 2023-08-21T15:52:25



# Tropomi SWIR background noise (swir)

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

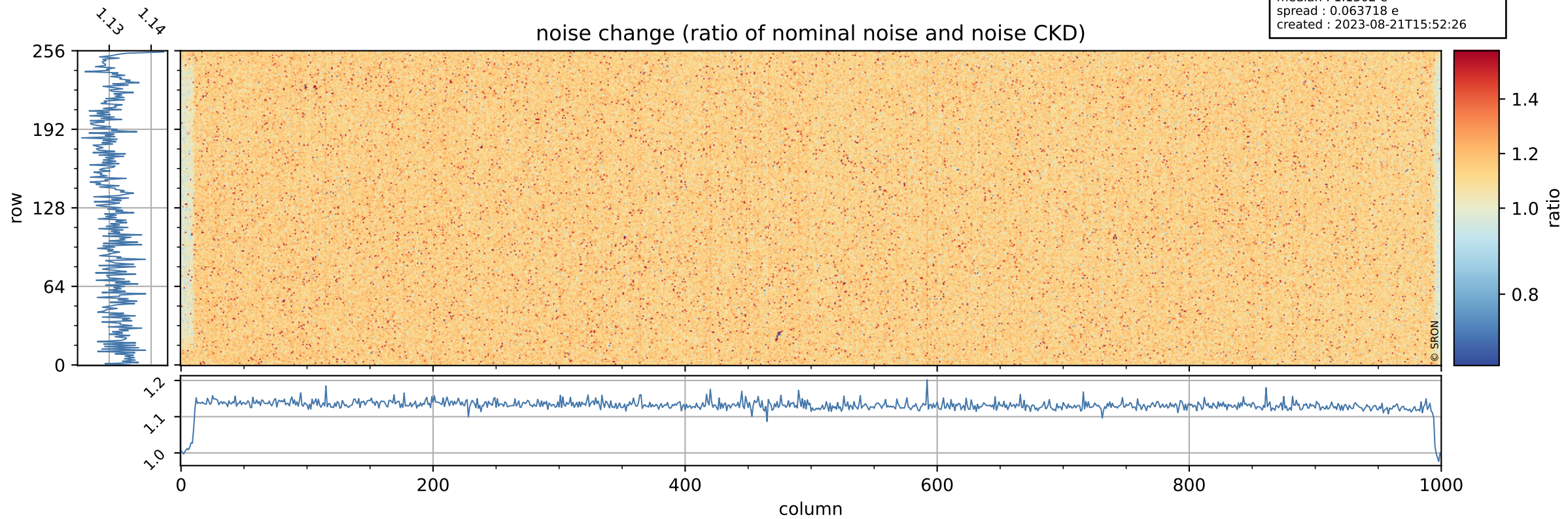
orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
median : 1.0031 e  
spread : 0.010329 e  
created : 2023-08-21T15:52:25





# Tropomi SWIR background noise (swir)

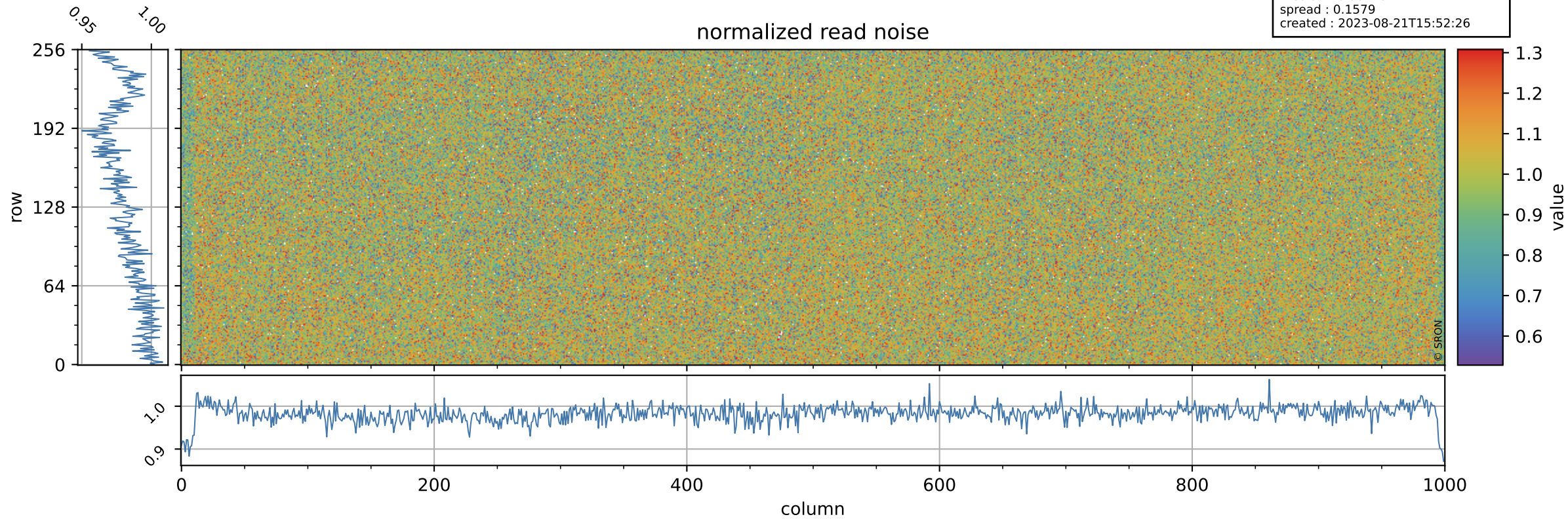
orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
median : 1.1302 e  
spread : 0.063718 e  
created : 2023-08-21T15:52:26





# Tropomi SWIR background noise (swir)

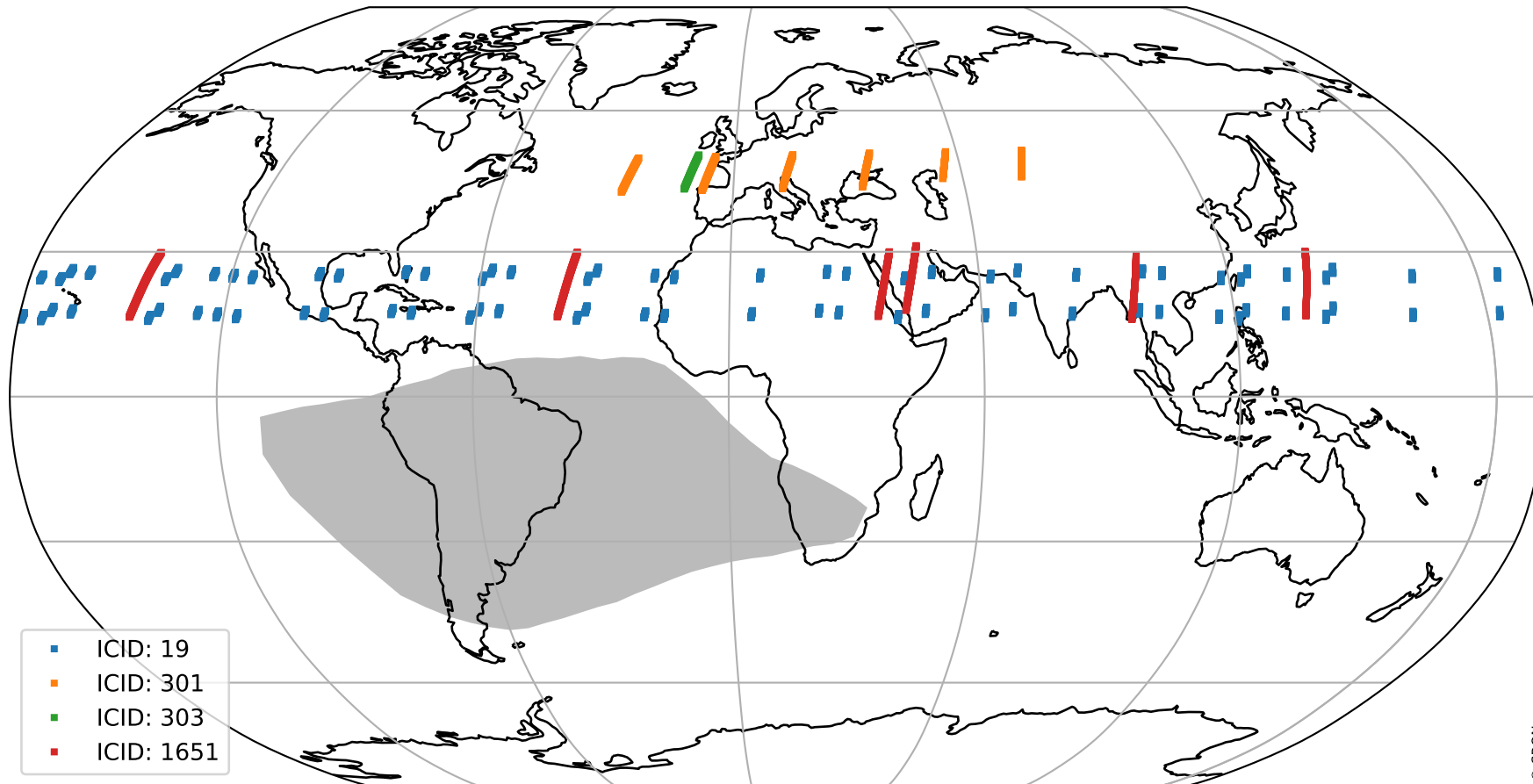
orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
median : 0.98149  
spread : 0.1579  
created : 2023-08-21T15:52:26





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

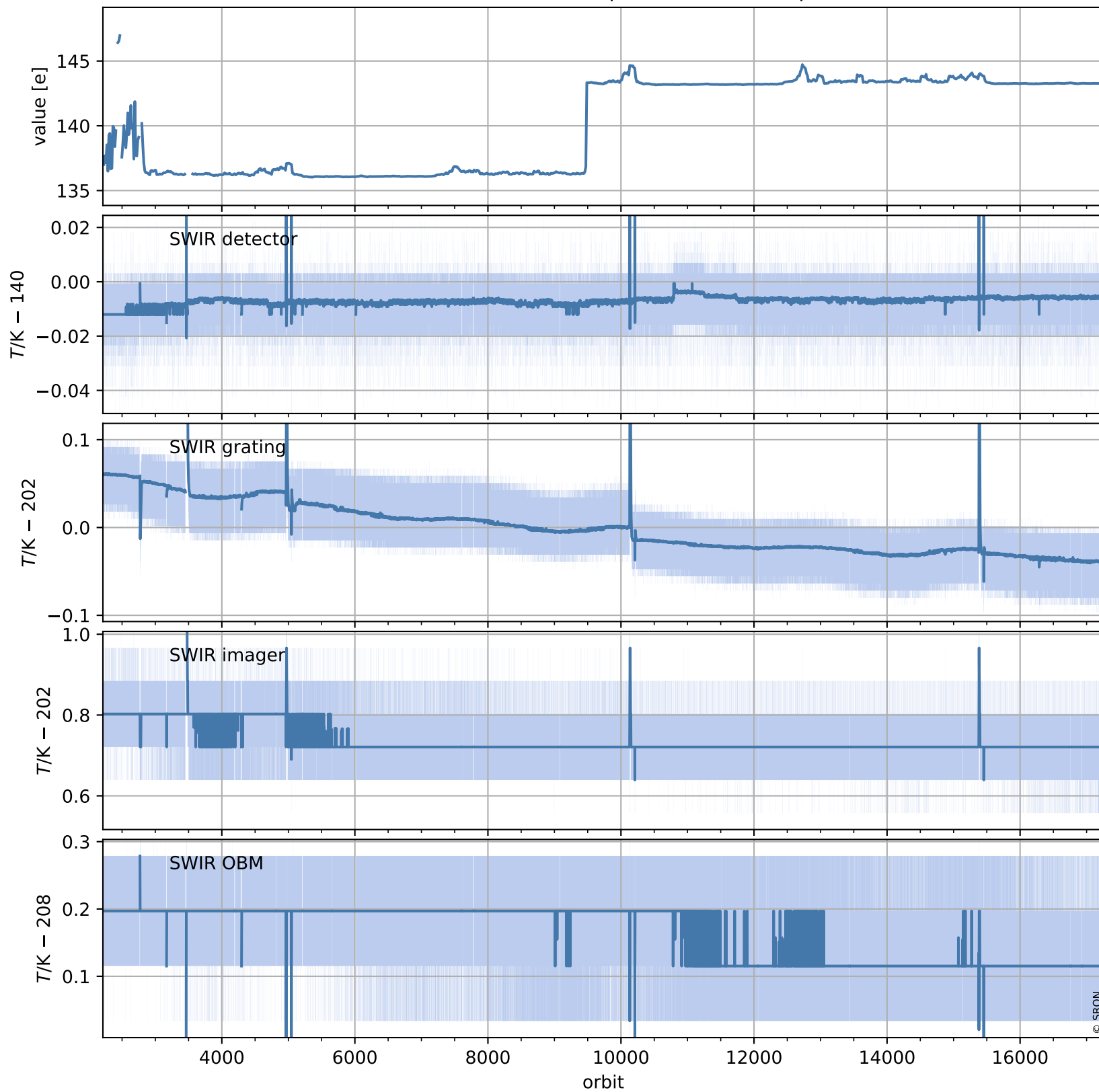
orbits : 13 in [17167, 17257]  
coverage : 2021-02-04 / 2021-02-10  
created : 2023-08-21T15:52:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 17257]  
coverage : 2018-03-18 / 2021-02-10  
created : 2023-08-21T15:52:27

## trend of detector median of plain noise & temperatures

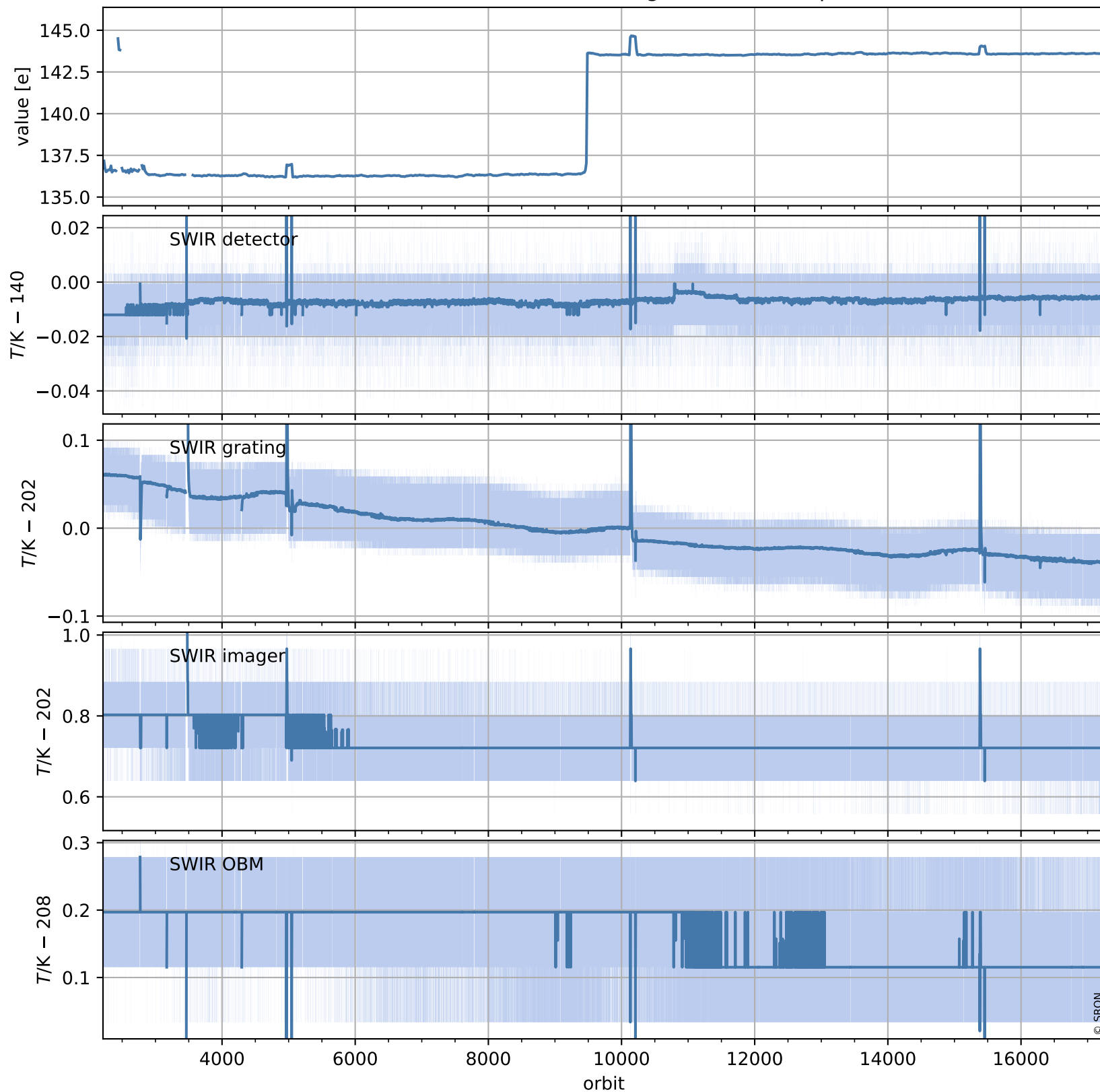




# Tropomi SWIR background noise (swir)

orbits : [2212, 17257]  
coverage : 2018-03-18 / 2021-02-10  
created : 2023-08-21T15:52:27

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17257]  
coverage : 2018-03-18 / 2021-02-10  
created : 2023-08-21T15:52:28

## trend of normalized read-noise & temperatures

