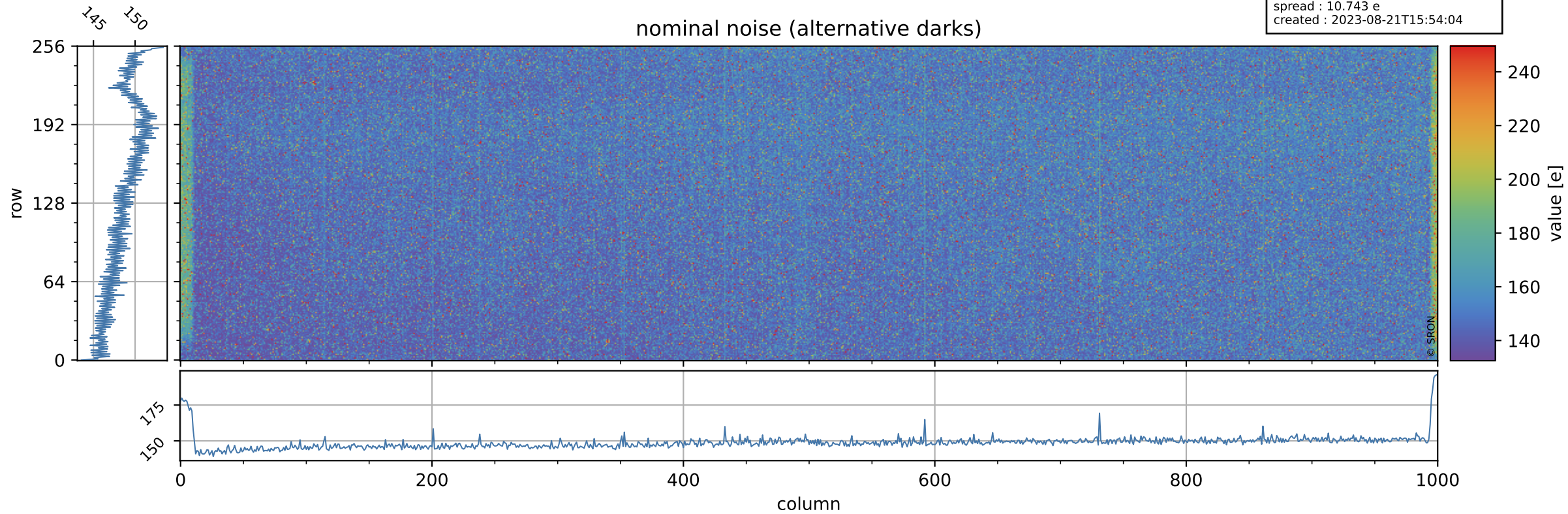


# Tropomi SWIR background noise (swir)

orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.743 e  
created : 2023-08-21T15:54:04

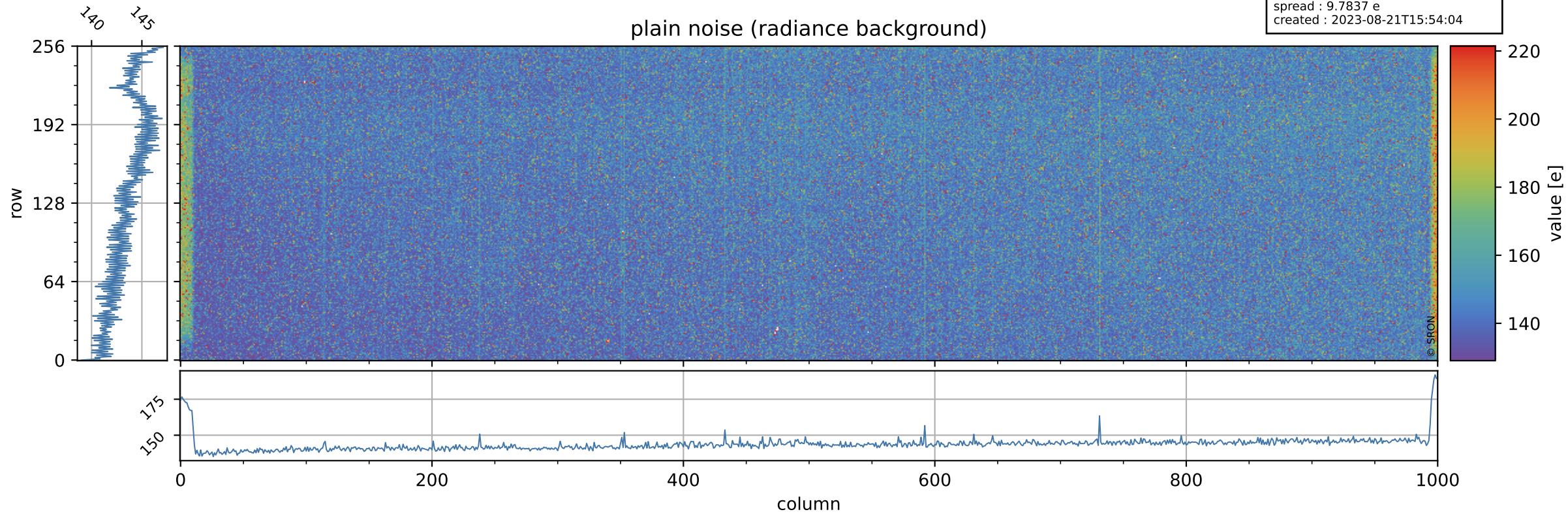
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.45 e  
spread : 9.7837 e  
created : 2023-08-21T15:54:04

## plain noise (radiance background)

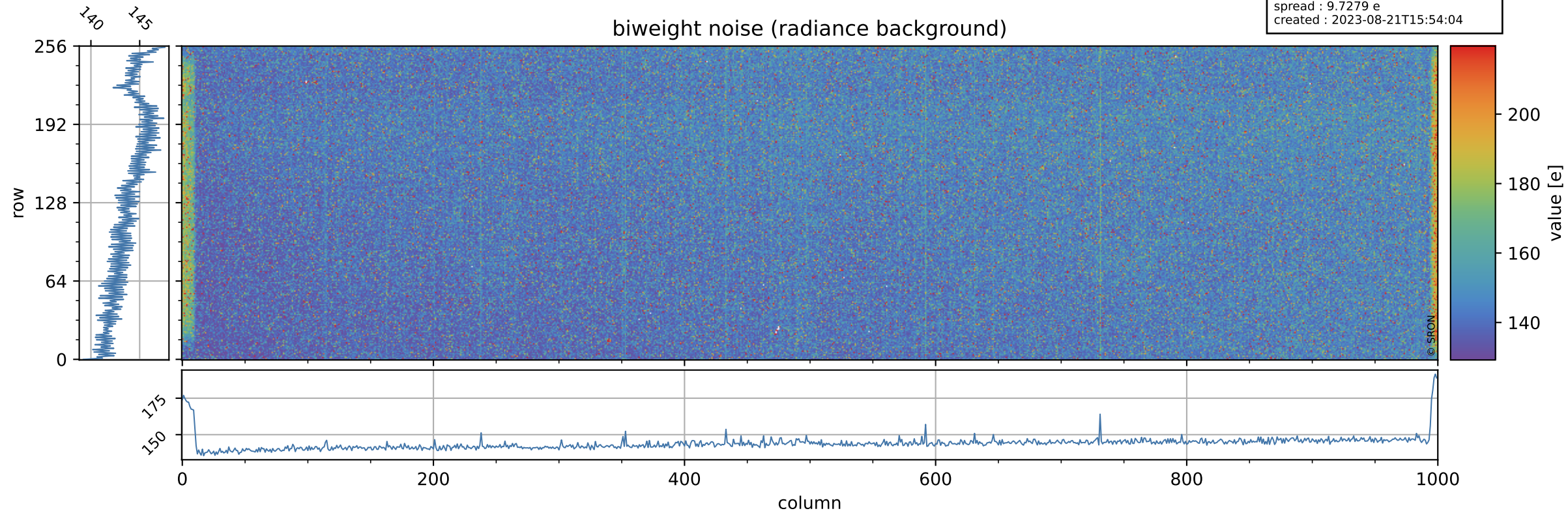




# Tropomi SWIR background noise (swir)

orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.7279 e  
created : 2023-08-21T15:54:04

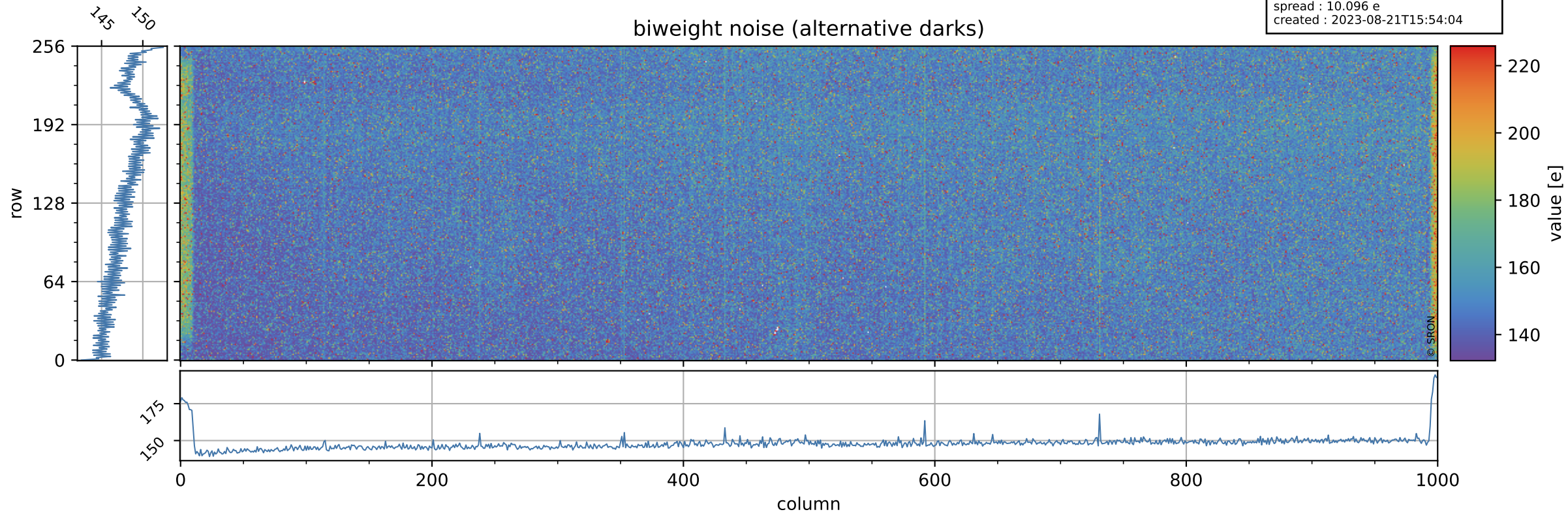
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.096 e  
created : 2023-08-21T15:54:04

## biweight noise (alternative darks)

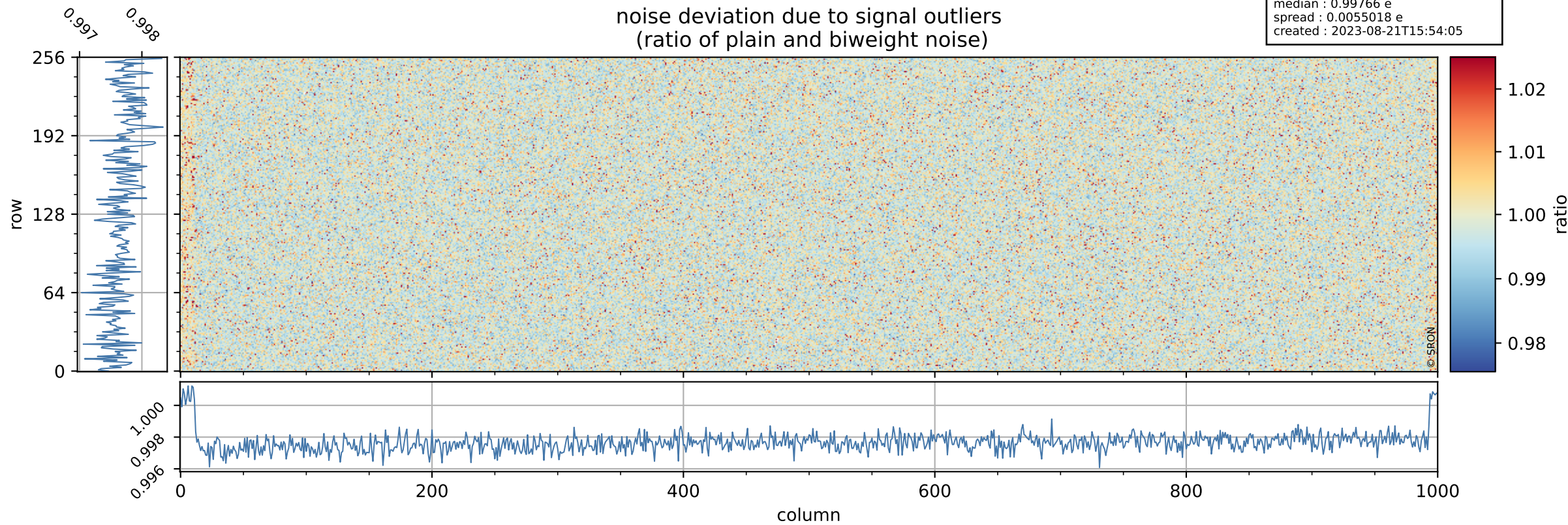




# Tropomi SWIR background noise (swir)

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

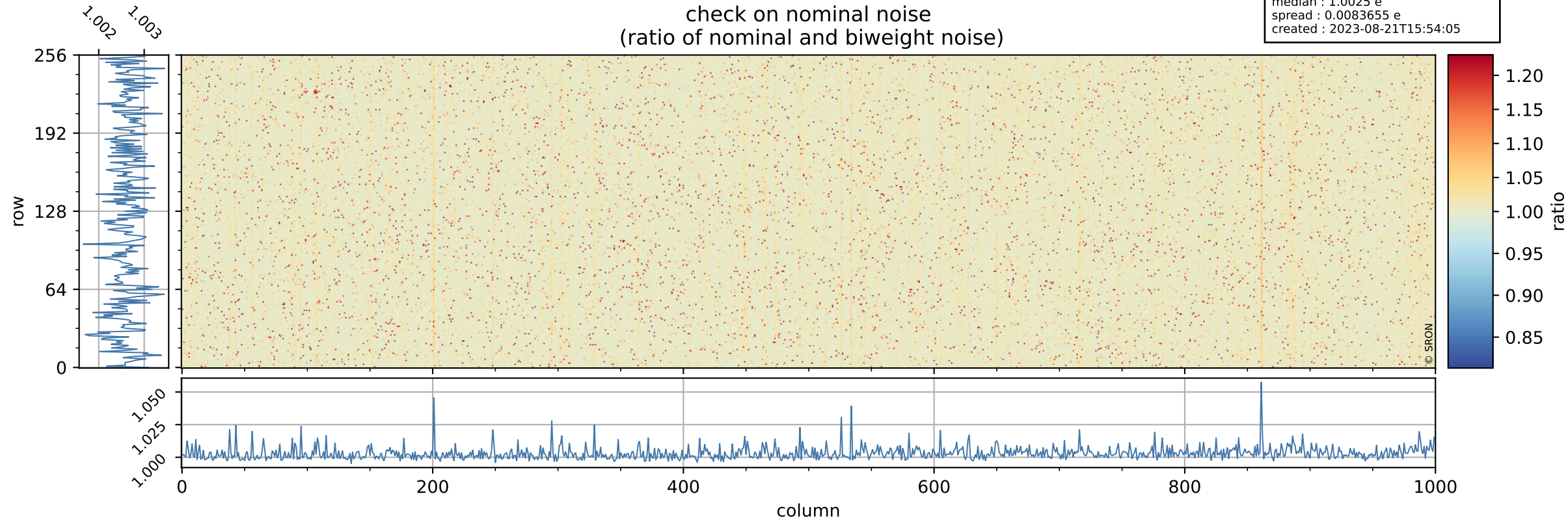
orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
median : 0.99766 e  
spread : 0.0055018 e  
created : 2023-08-21T15:54:05



# Tropomi SWIR background noise (swir)

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

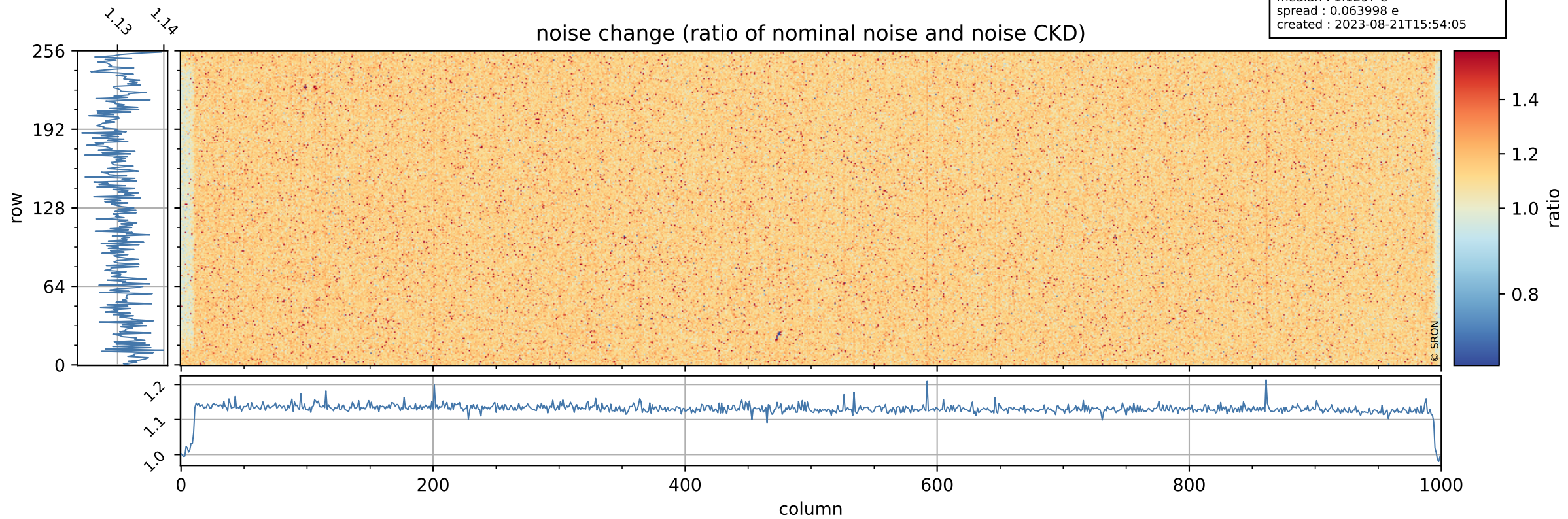
orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
median : 1.0025 e  
spread : 0.0083655 e  
created : 2023-08-21T15:54:05





# Tropomi SWIR background noise (swir)

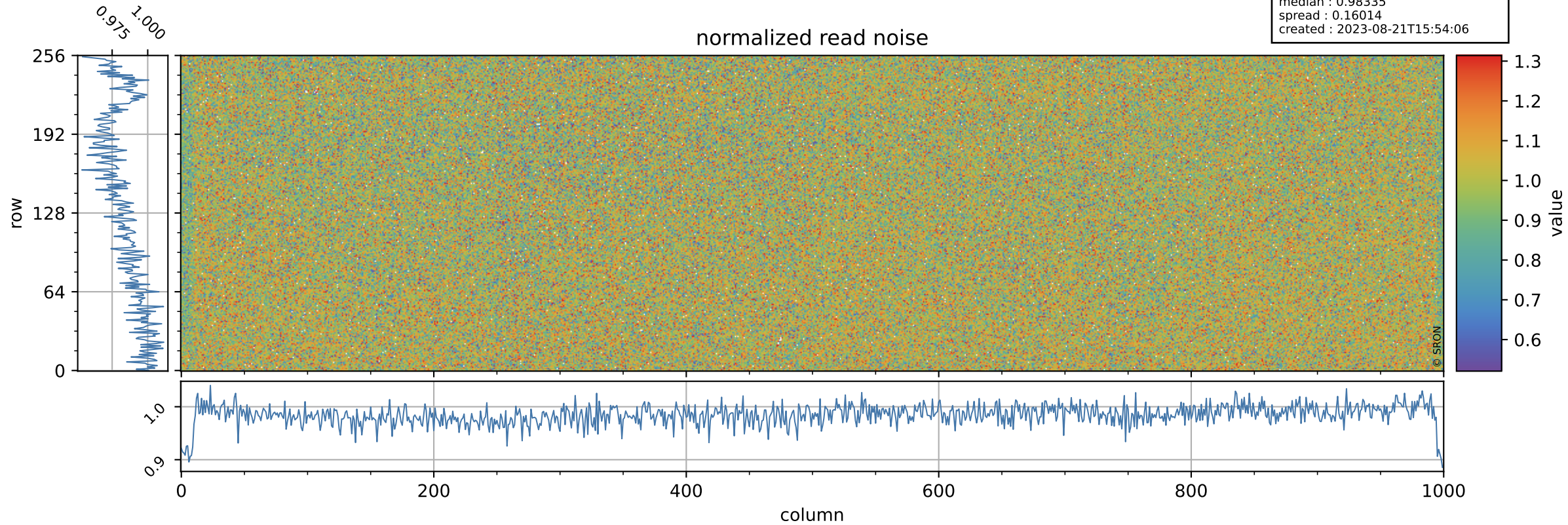
orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
median : 1.1297 e  
spread : 0.063998 e  
created : 2023-08-21T15:54:05





# Tropomi SWIR background noise (swir)

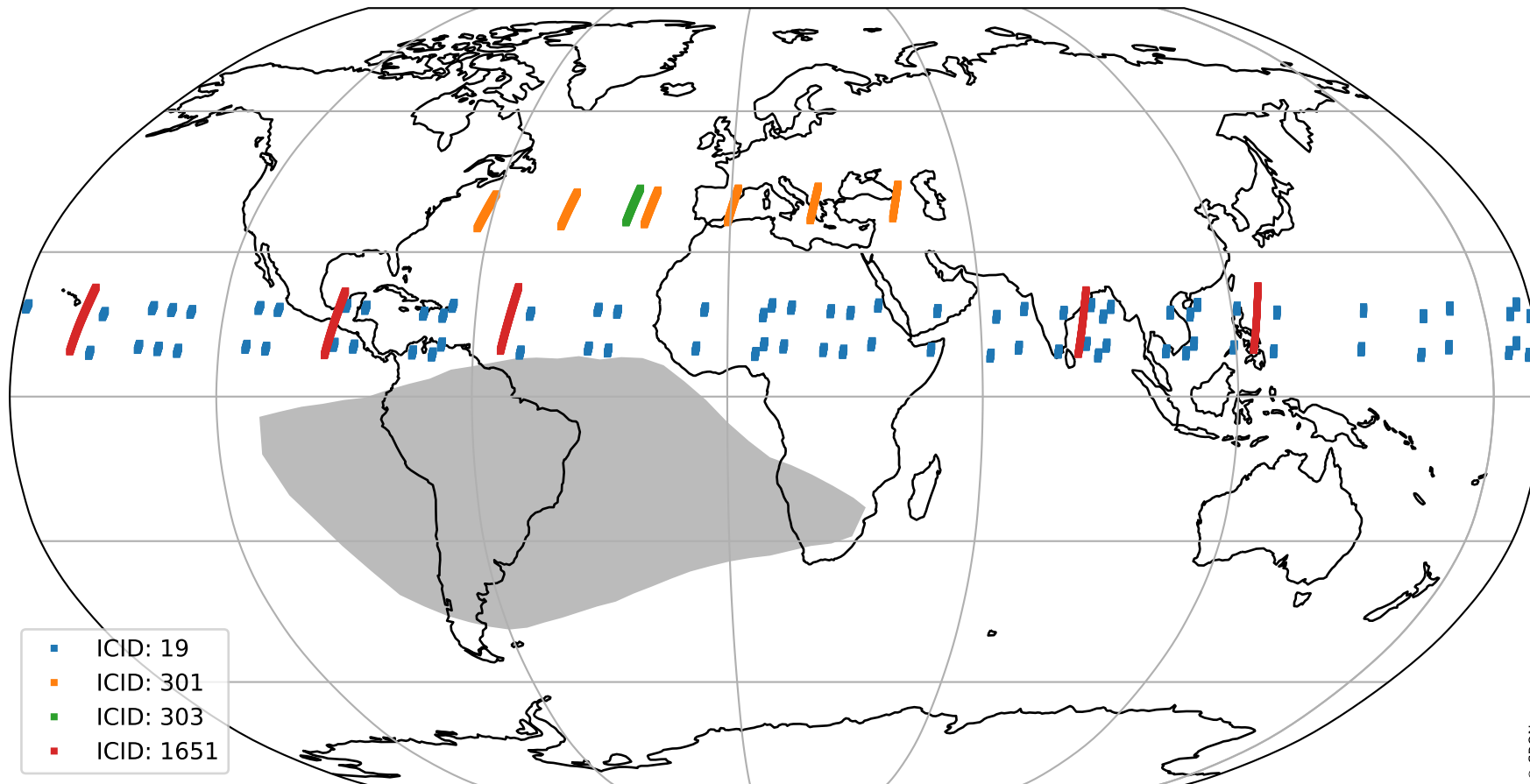
orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
median : 0.98335  
spread : 0.16014  
created : 2023-08-21T15:54:06





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

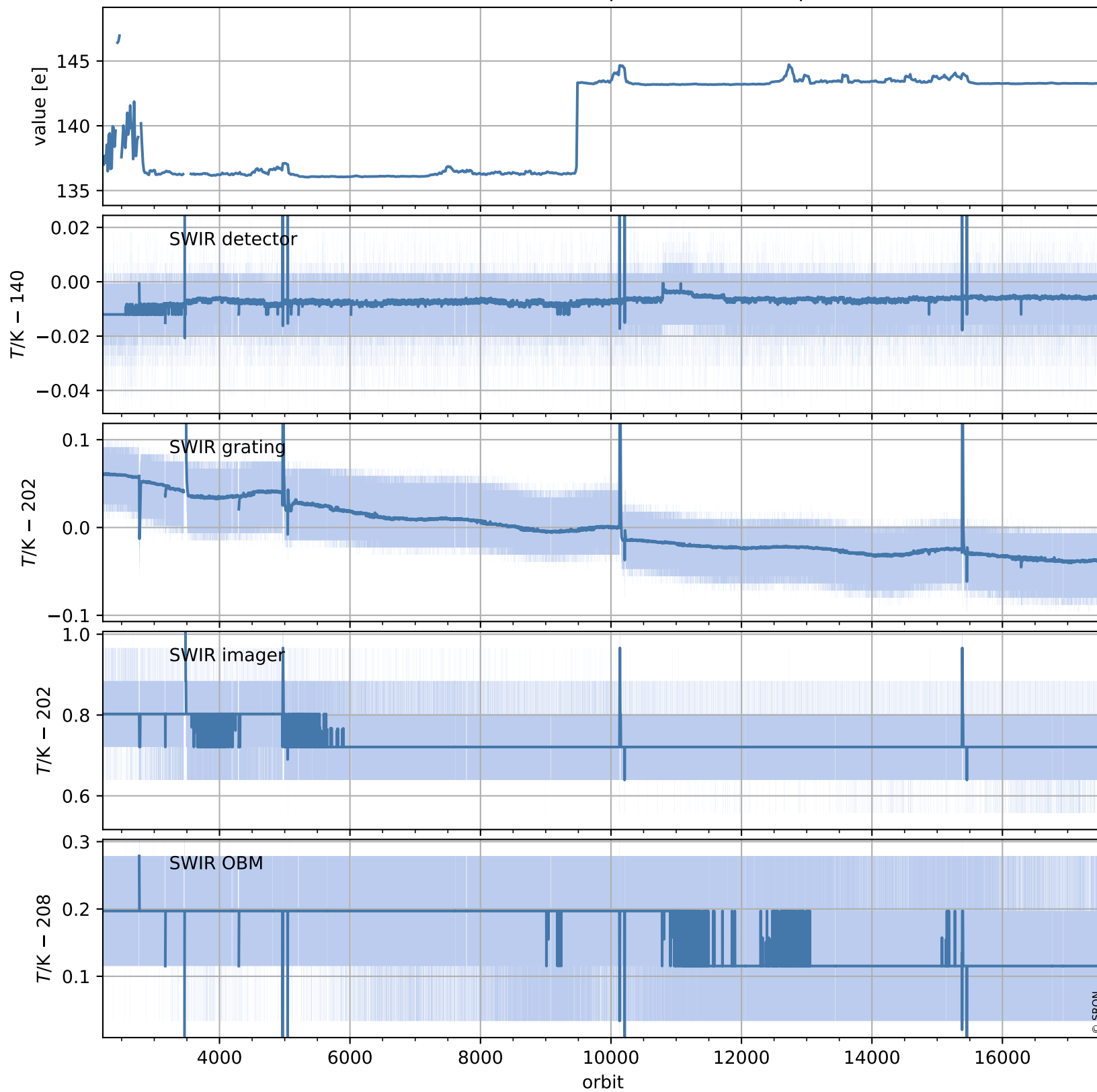
orbits : 12 in [17452, 17542]  
coverage : 2021-02-24 / 2021-03-02  
created : 2023-08-21T15:54:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 17542]  
coverage : 2018-03-18 / 2021-03-02  
created : 2023-08-21T15:54:06

## trend of detector median of plain noise & temperatures

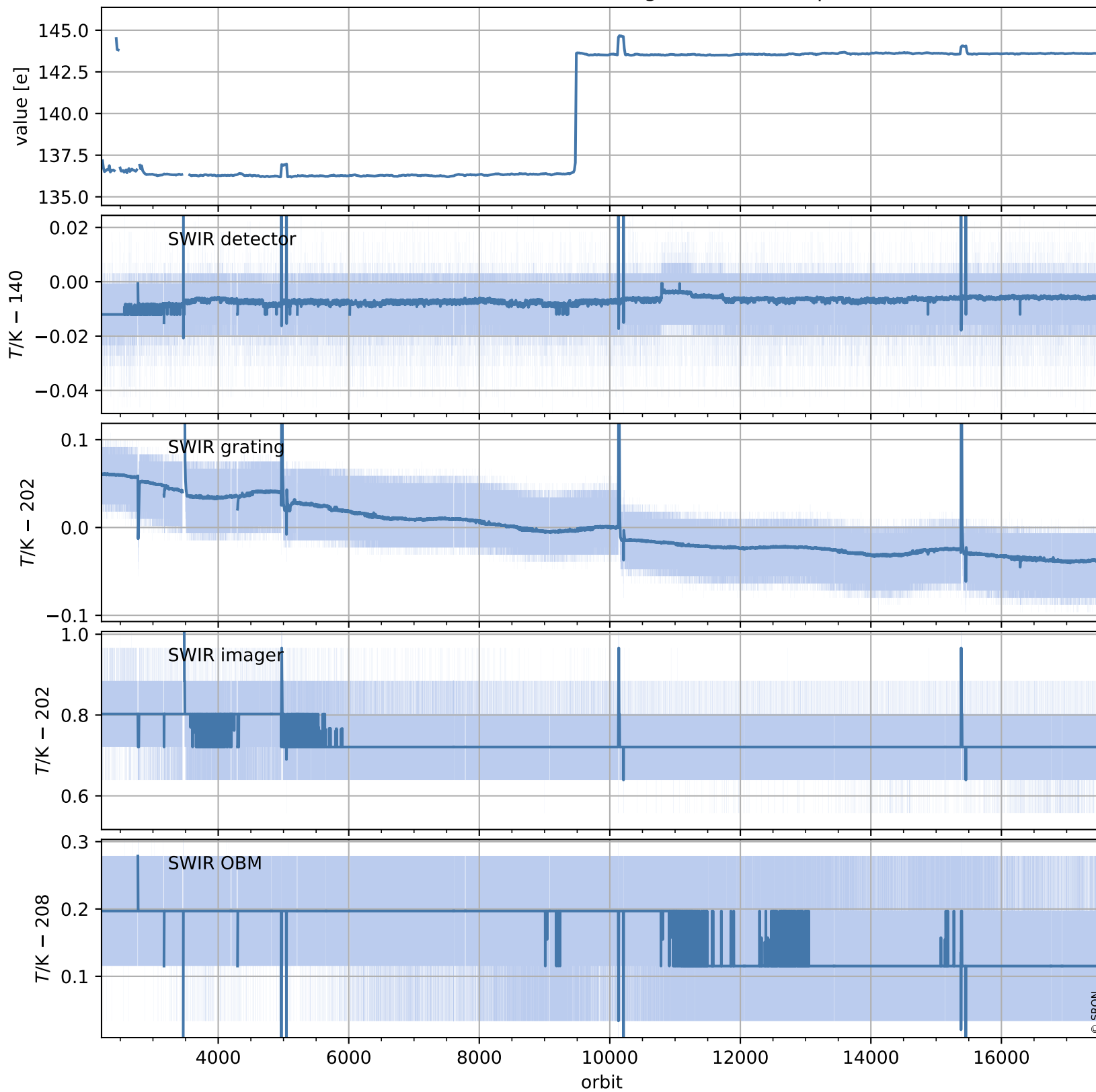




# Tropomi SWIR background noise (swir)

orbits : [2212, 17542]  
coverage : 2018-03-18 / 2021-03-02  
created : 2023-08-21T15:54:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17542]  
coverage : 2018-03-18 / 2021-03-02  
created : 2023-08-21T15:54:08

## trend of normalized read-noise & temperatures

