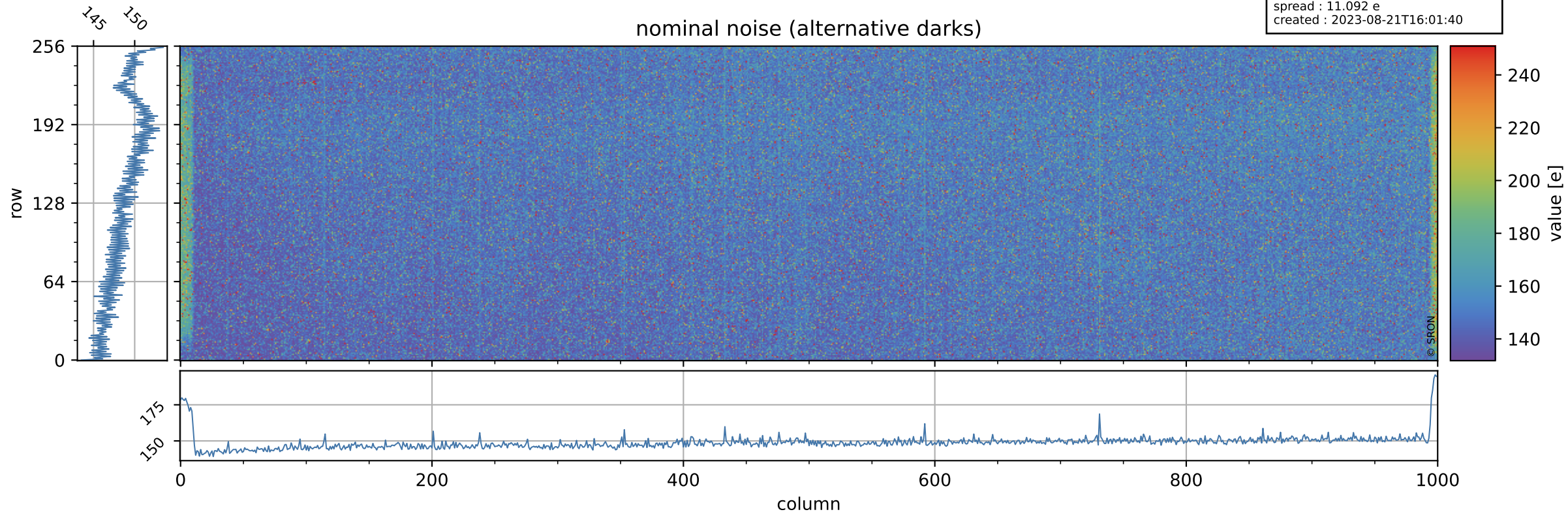


# Tropomi SWIR background noise (swir)

orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.64 e  
spread : 11.092 e  
created : 2023-08-21T16:01:40

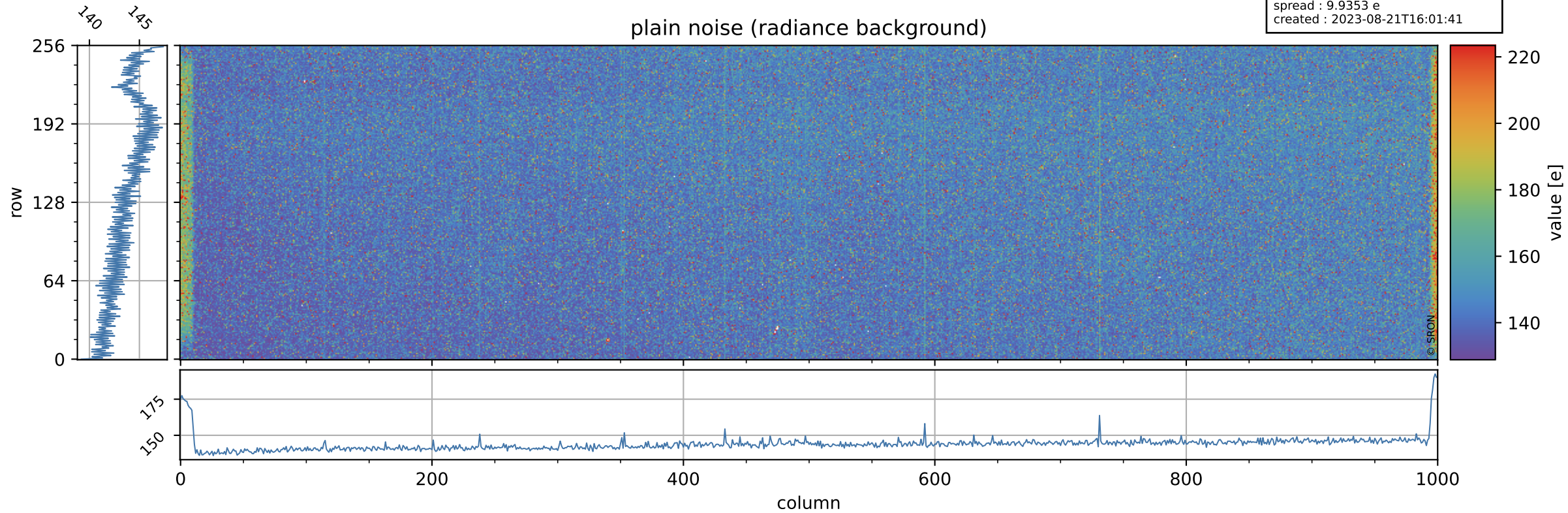
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.63 e  
spread : 9.9353 e  
created : 2023-08-21T16:01:41

## plain noise (radiance background)

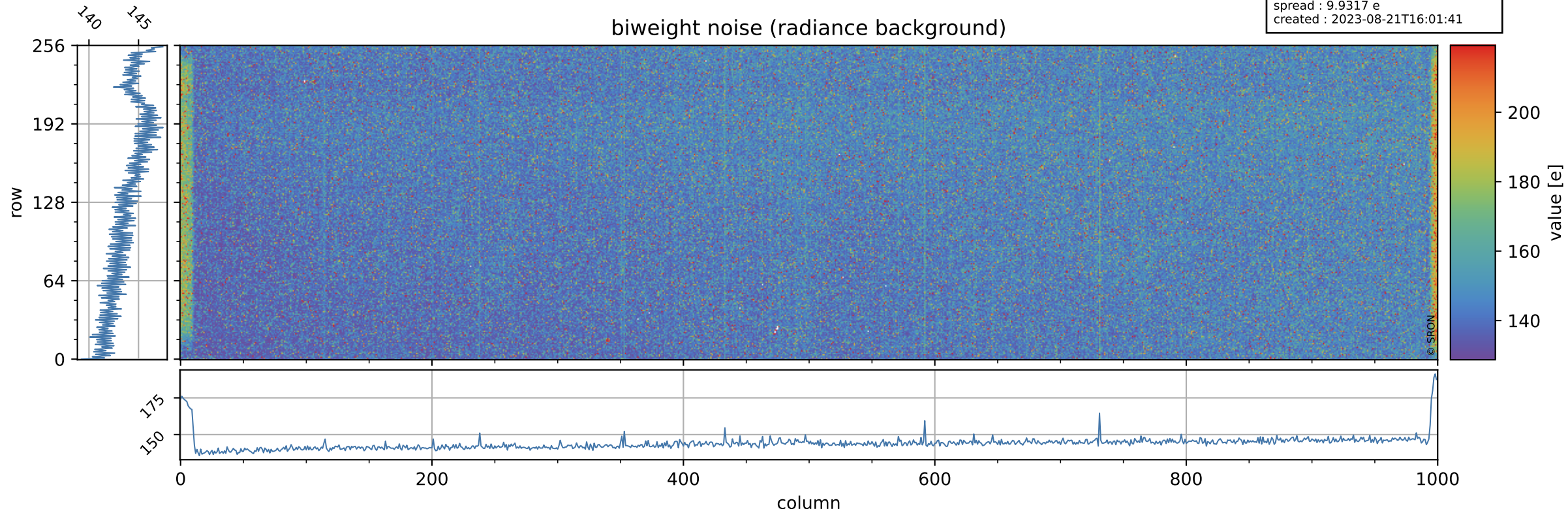




# Tropomi SWIR background noise (swir)

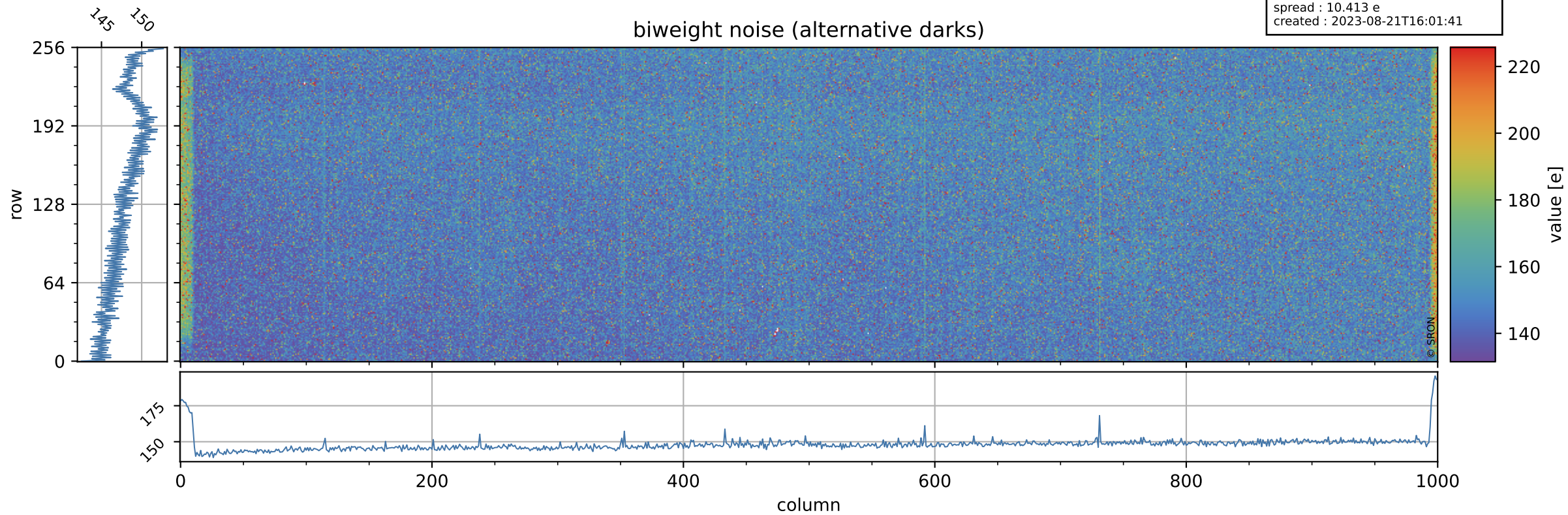
orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9317 e  
created : 2023-08-21T16:01:41

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.413 e  
created : 2023-08-21T16:01:41

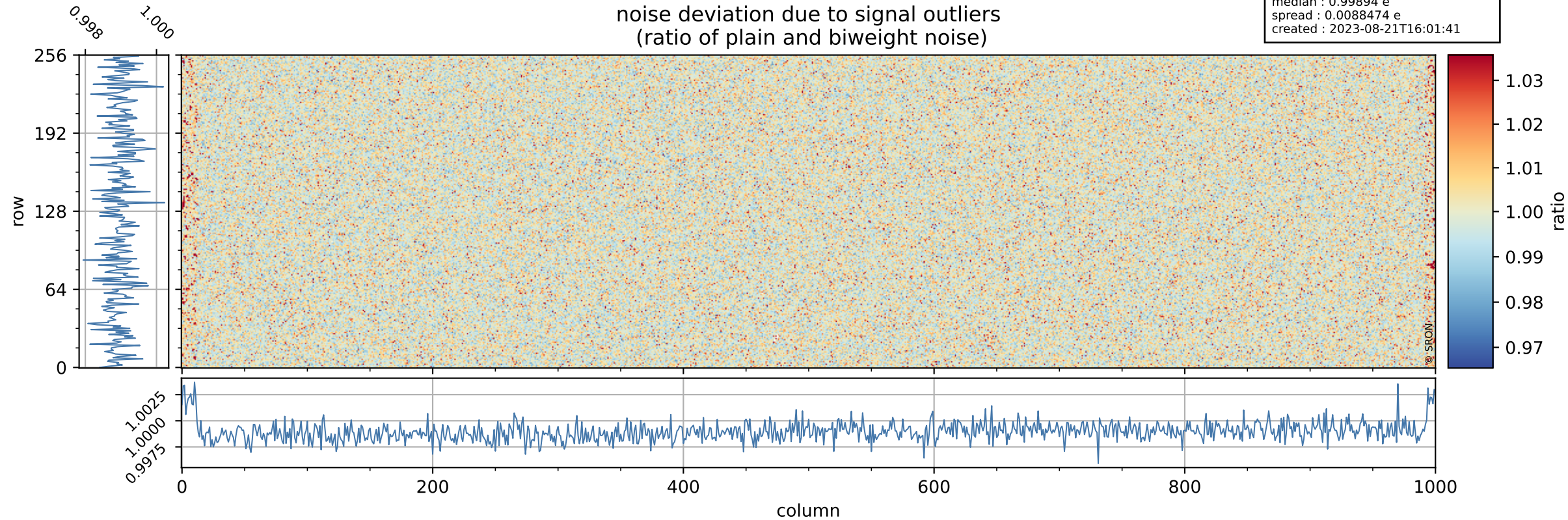




# Tropomi SWIR background noise (swir)

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

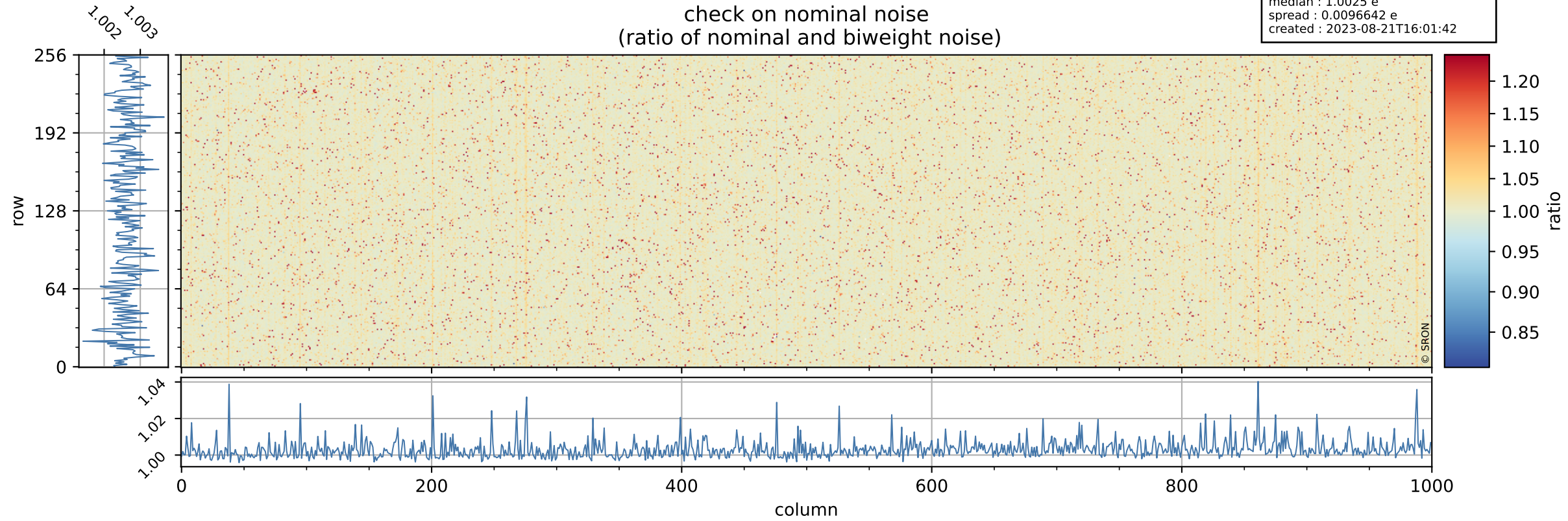
orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
median : 0.99894 e  
spread : 0.0088474 e  
created : 2023-08-21T16:01:41



# Tropomi SWIR background noise (swir)

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

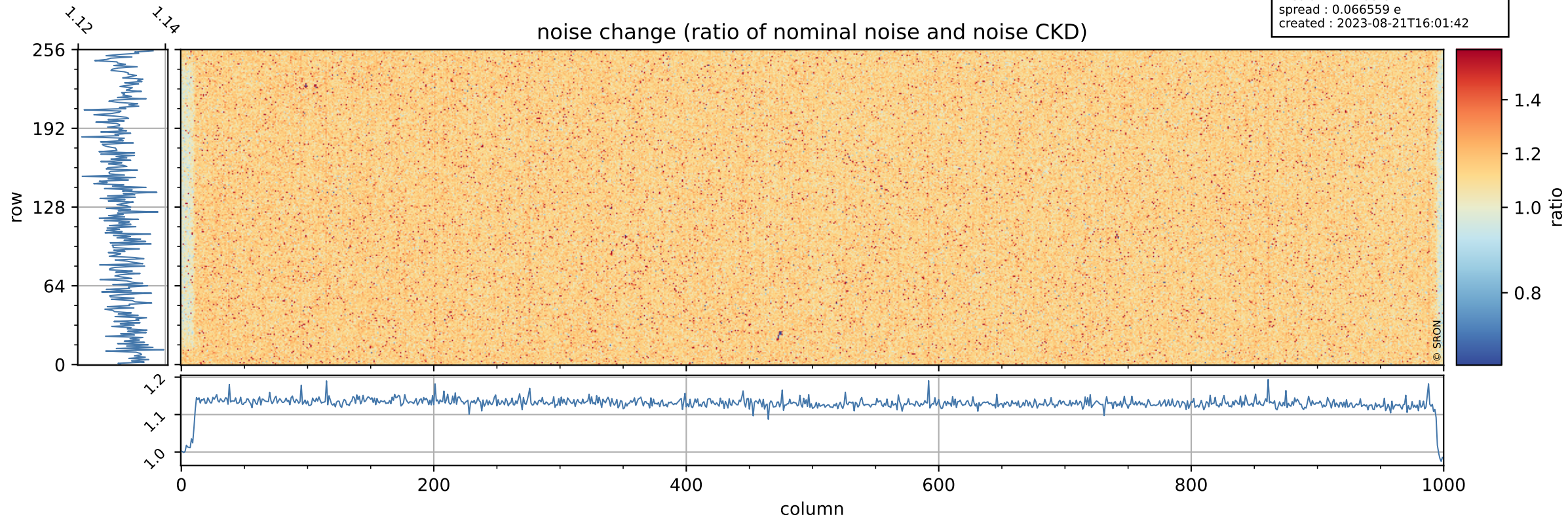
orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
median : 1.0025 e  
spread : 0.0096642 e  
created : 2023-08-21T16:01:42





# Tropomi SWIR background noise (swir)

orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
median : 1.1293 e  
spread : 0.066559 e  
created : 2023-08-21T16:01:42

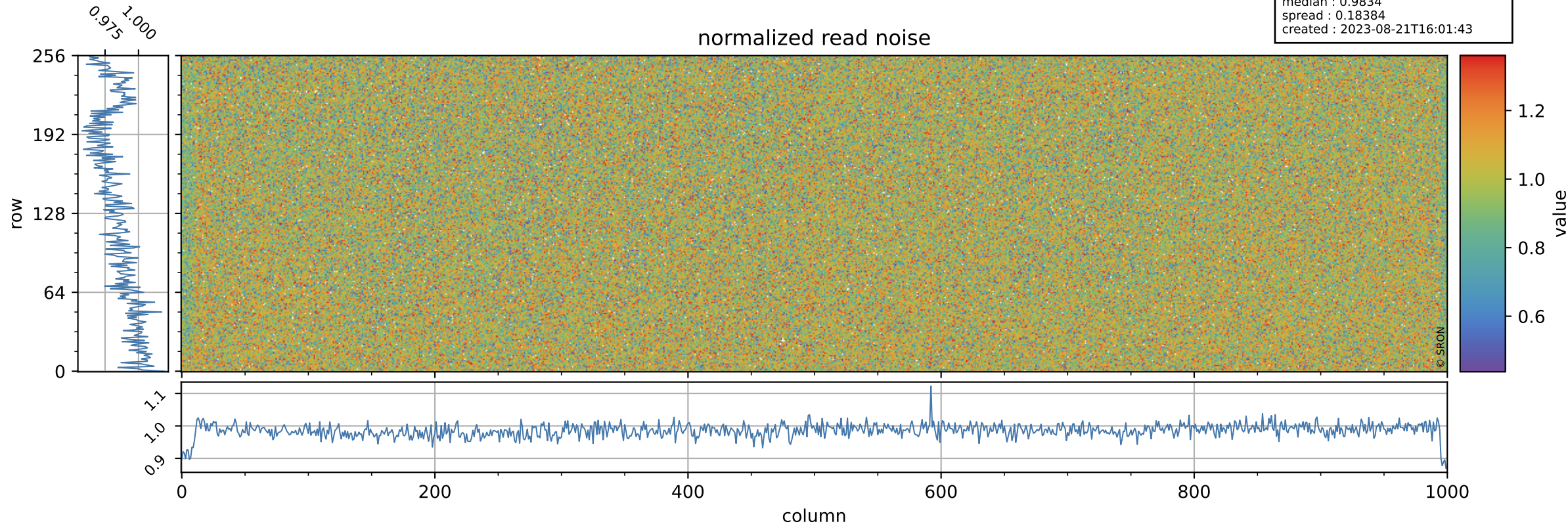




# Tropomi SWIR background noise (swir)

orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
median : 0.9834  
spread : 0.18384  
created : 2023-08-21T16:01:43

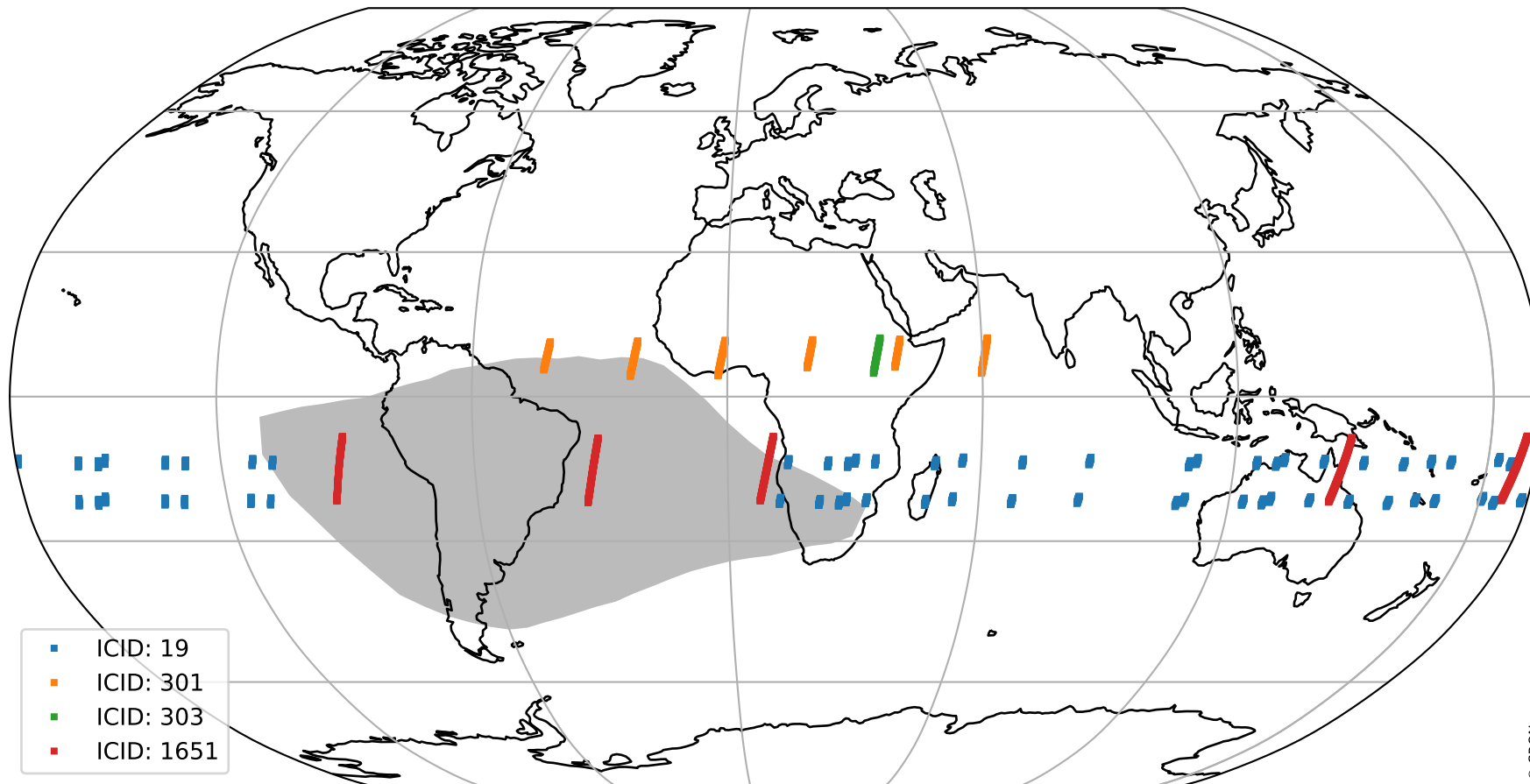
normalized read noise





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

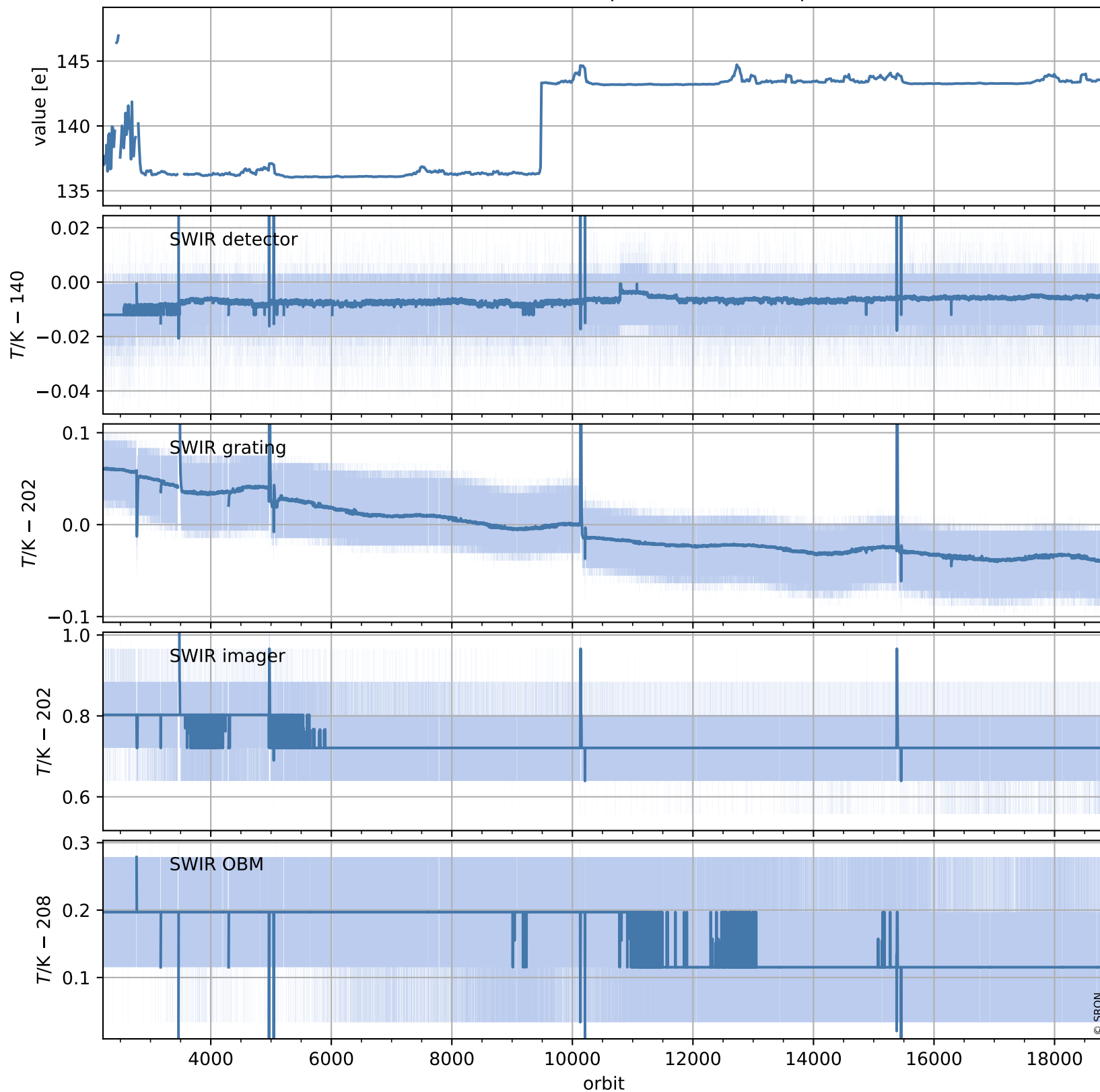
orbits : 12 in [18757, 18832]  
coverage : 2021-05-26 / 2021-06-01  
created : 2023-08-21T16:01:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 18832]  
coverage : 2018-03-18 / 2021-06-01  
created : 2023-08-21T16:01:43

## trend of detector median of plain noise & temperatures

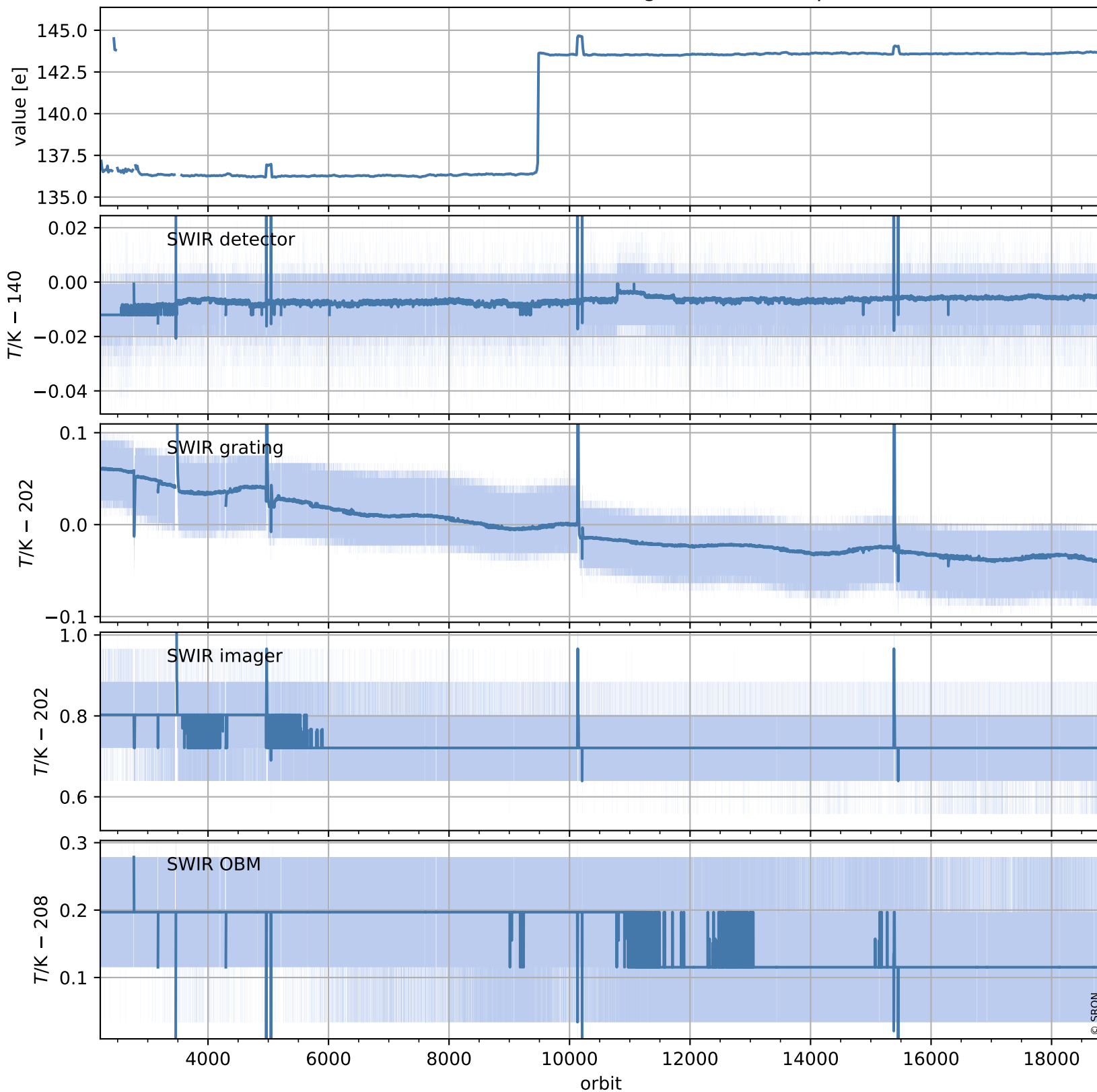




# Tropomi SWIR background noise (swir)

orbits : [2212, 18832]  
coverage : 2018-03-18 / 2021-06-01  
created : 2023-08-21T16:01:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18832]  
coverage : 2018-03-18 / 2021-06-01  
created : 2023-08-21T16:01:45

## trend of normalized read-noise & temperatures

