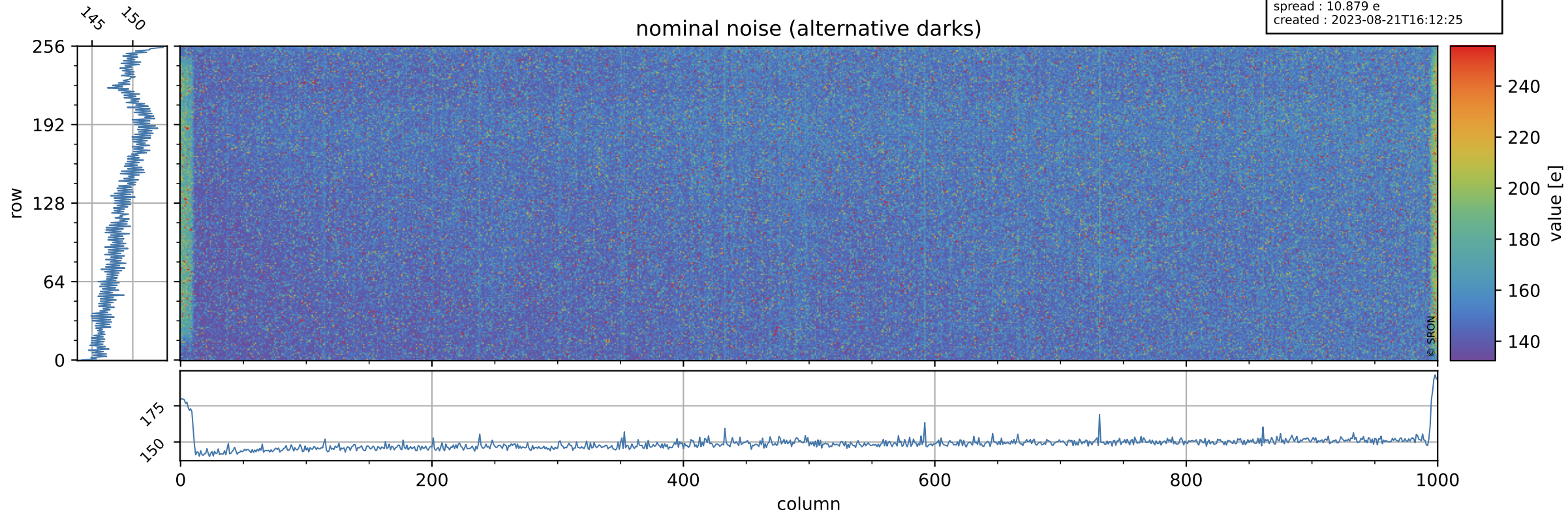


# Tropomi SWIR background noise (swir)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.879 e  
created : 2023-08-21T16:12:25

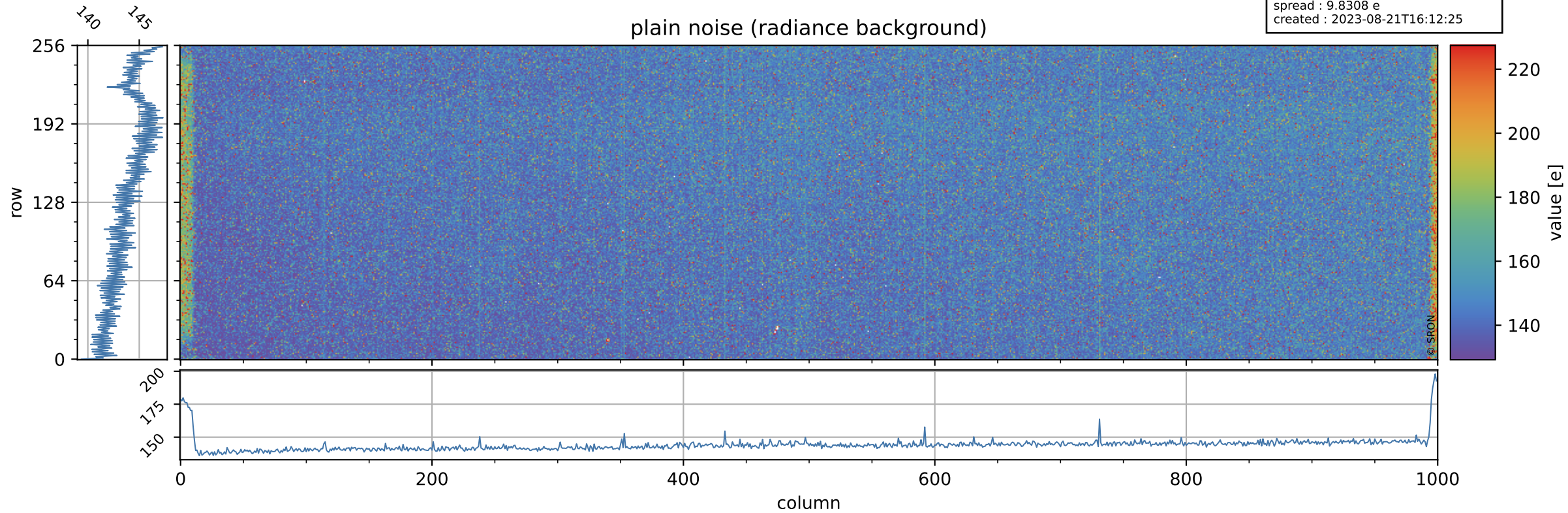
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8308 e  
created : 2023-08-21T16:12:25

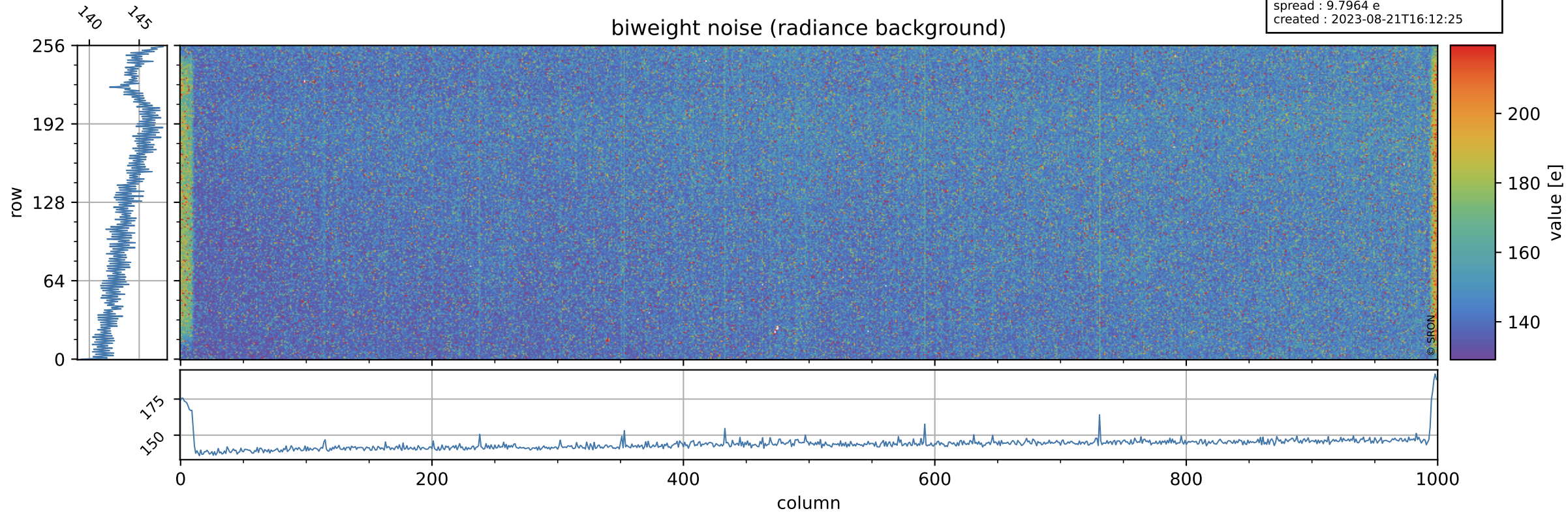
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.7964 e  
created : 2023-08-21T16:12:25

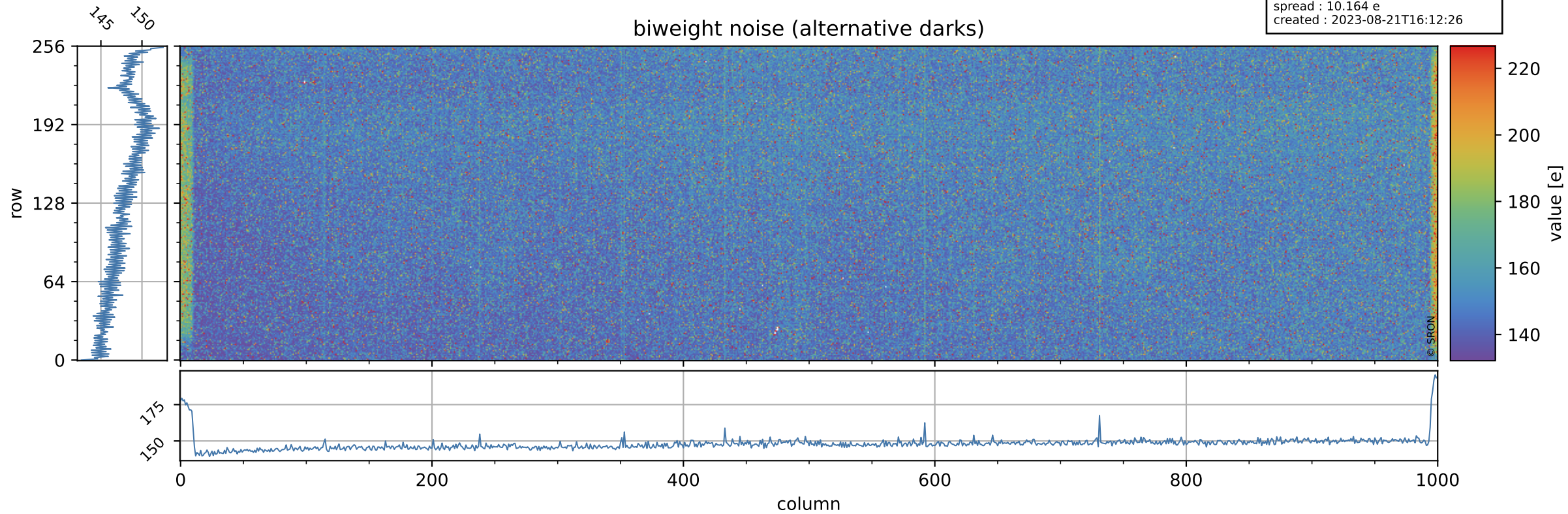
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.164 e  
created : 2023-08-21T16:12:26

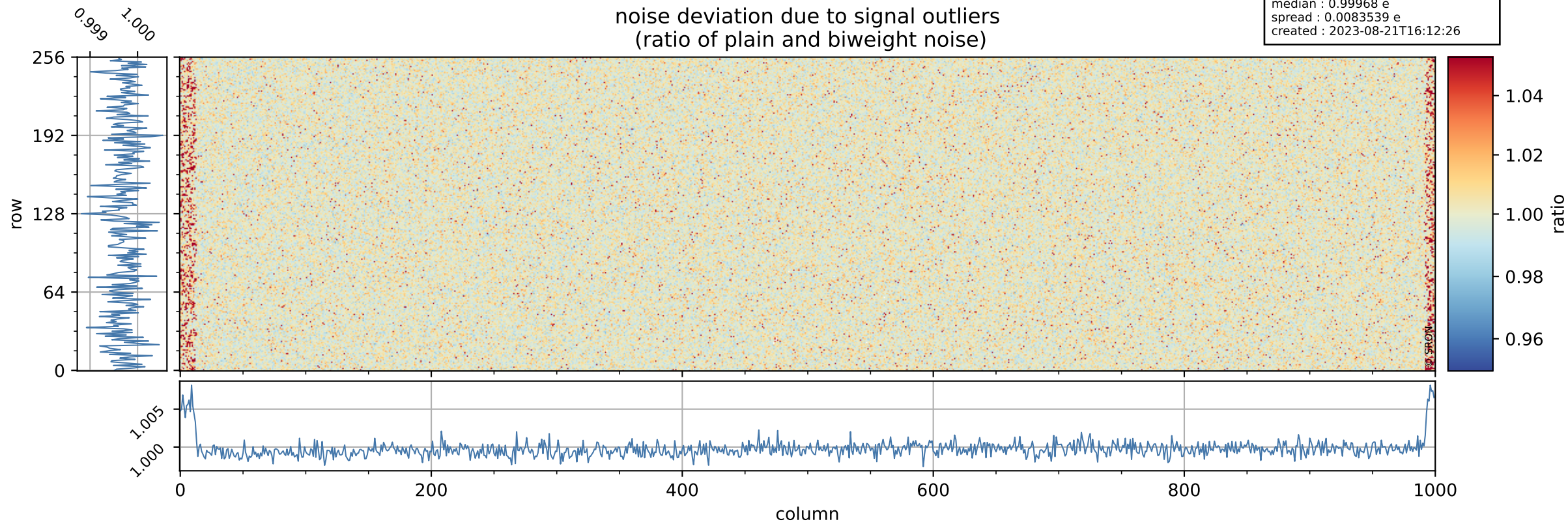
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

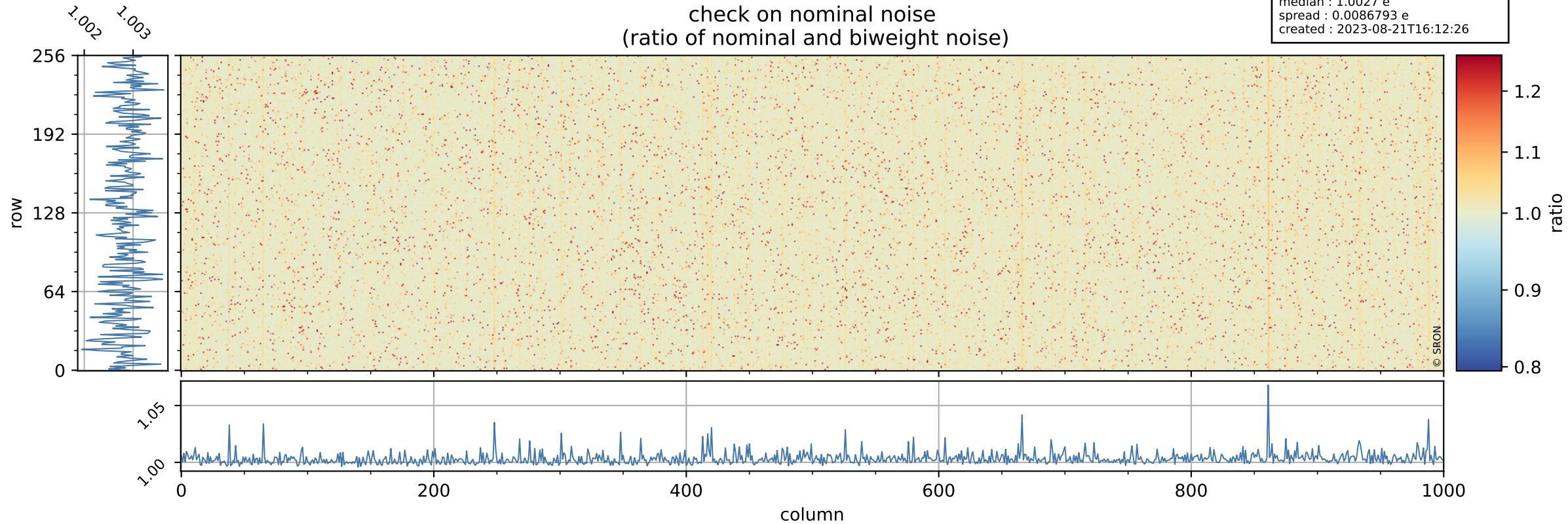
orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
median : 0.99968 e  
spread : 0.0083539 e  
created : 2023-08-21T16:12:26



# Tropomi SWIR background noise (swir)

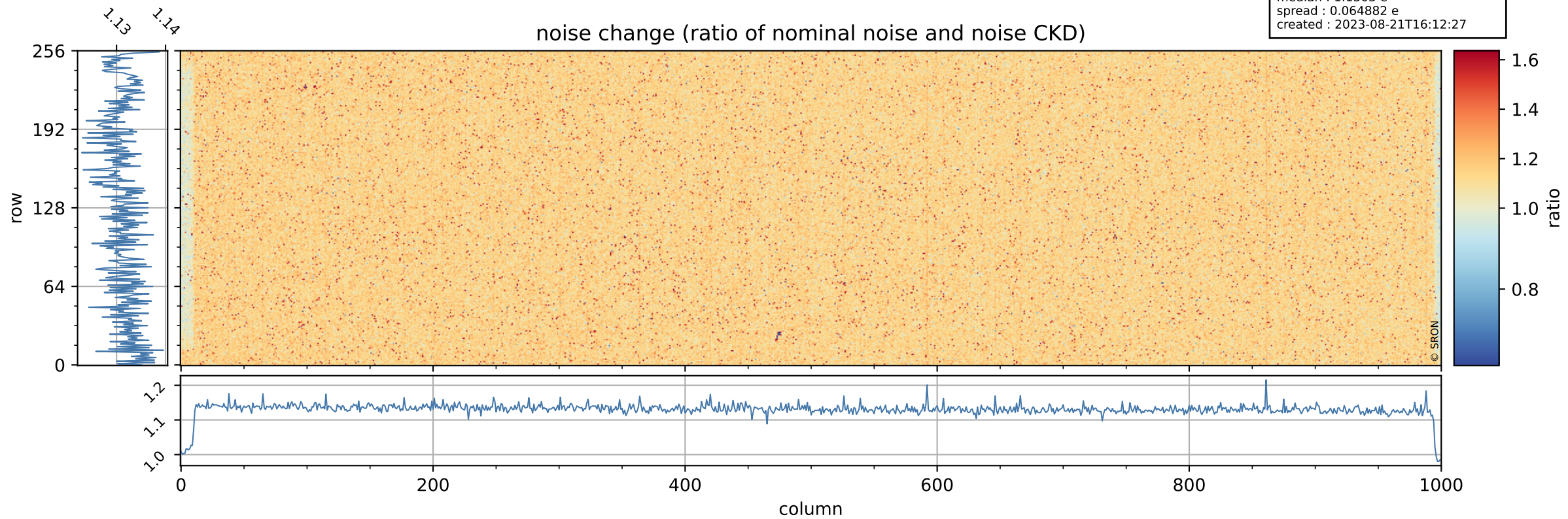
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
median : 1.0027 e  
spread : 0.0086793 e  
created : 2023-08-21T16:12:26



# Tropomi SWIR background noise (swir)

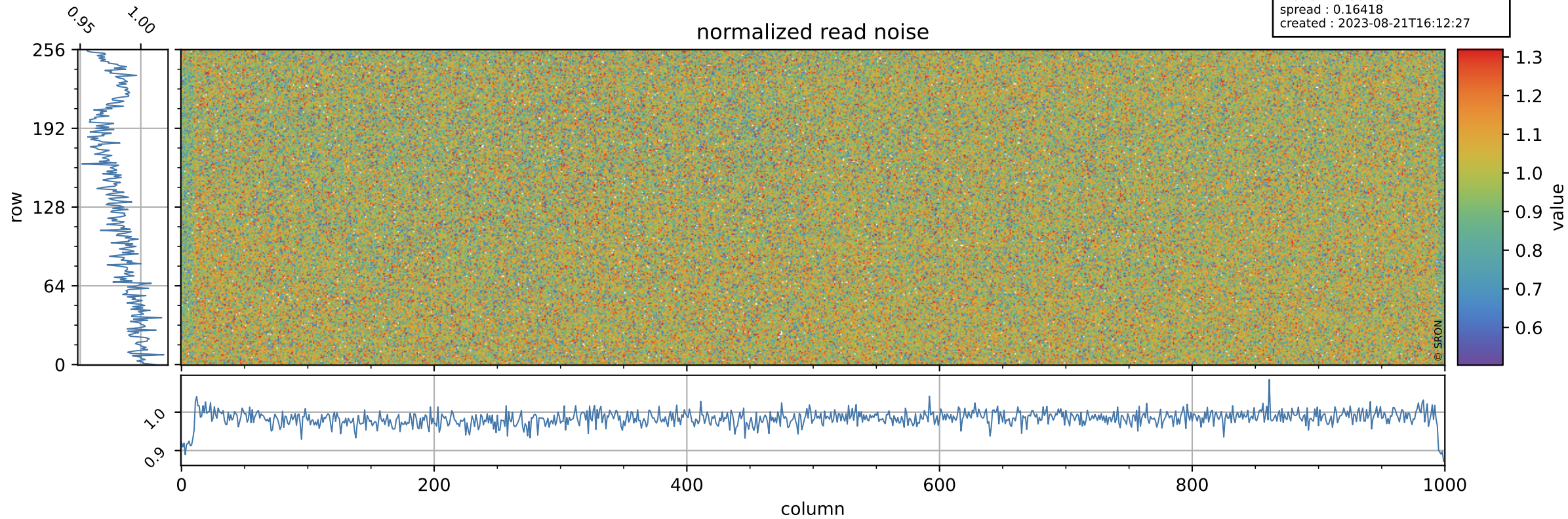
orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
median : 1.1303 e  
spread : 0.064882 e  
created : 2023-08-21T16:12:27



# Tropomi SWIR background noise (swir)

orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
median : 0.98209  
spread : 0.16418  
created : 2023-08-21T16:12:27

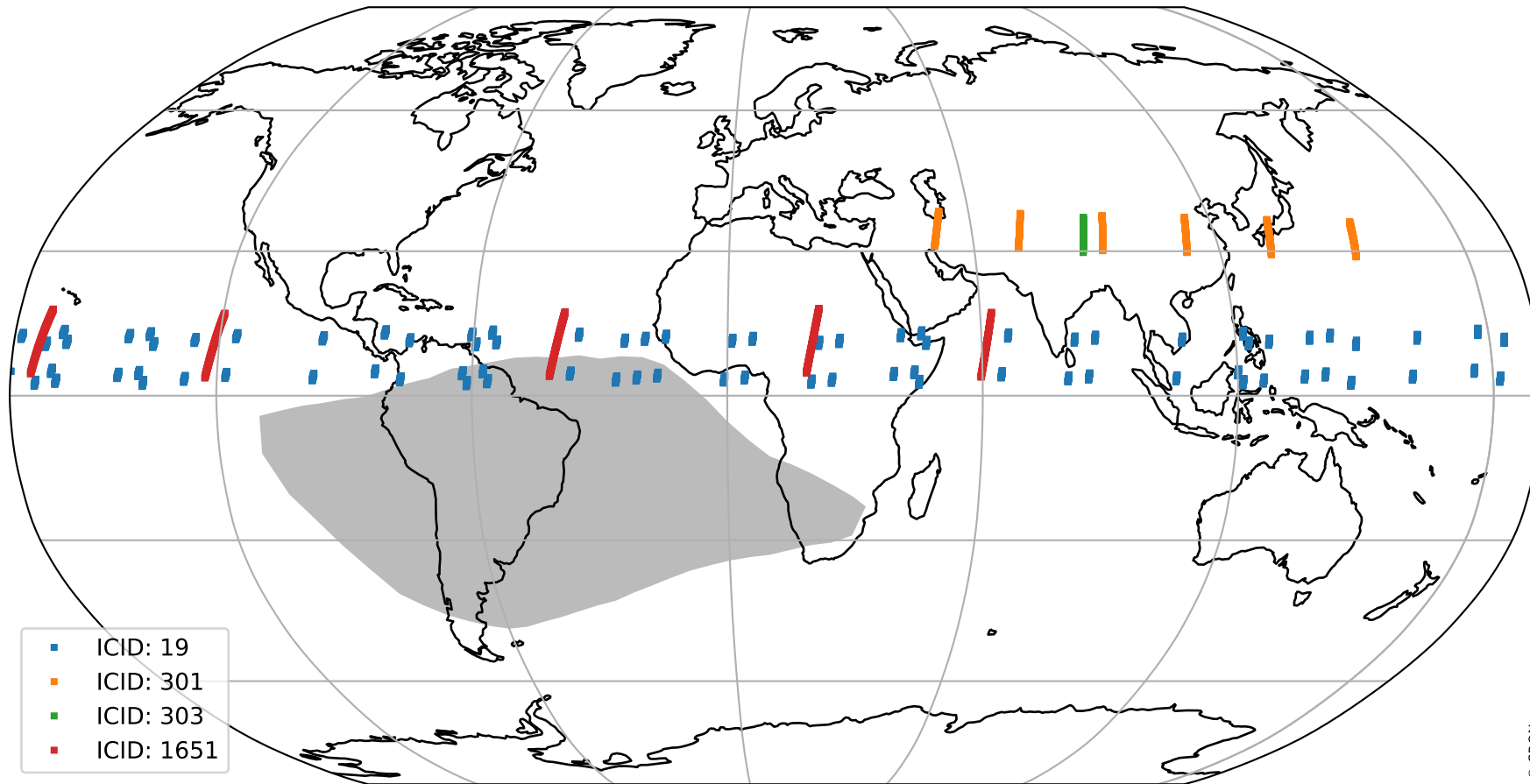
normalized read noise





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

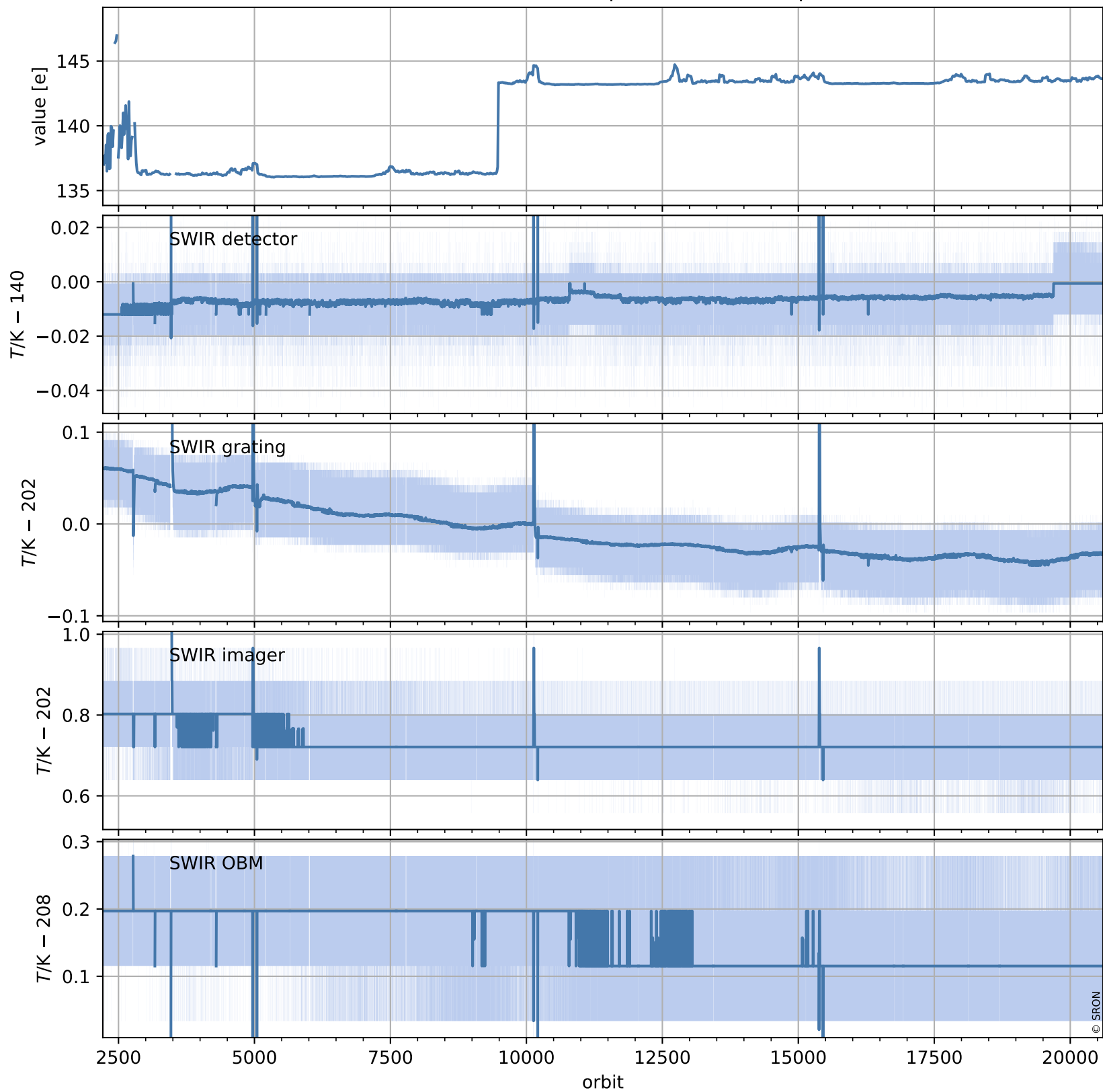
orbits : 12 in [20512, 20602]  
coverage : 2021-09-28 / 2021-10-04  
created : 2023-08-21T16:12:27



# Tropomi SWIR background noise (swir)

orbits : [2212, 20602]  
coverage : 2018-03-18 / 2021-10-04  
created : 2023-08-21T16:12:28

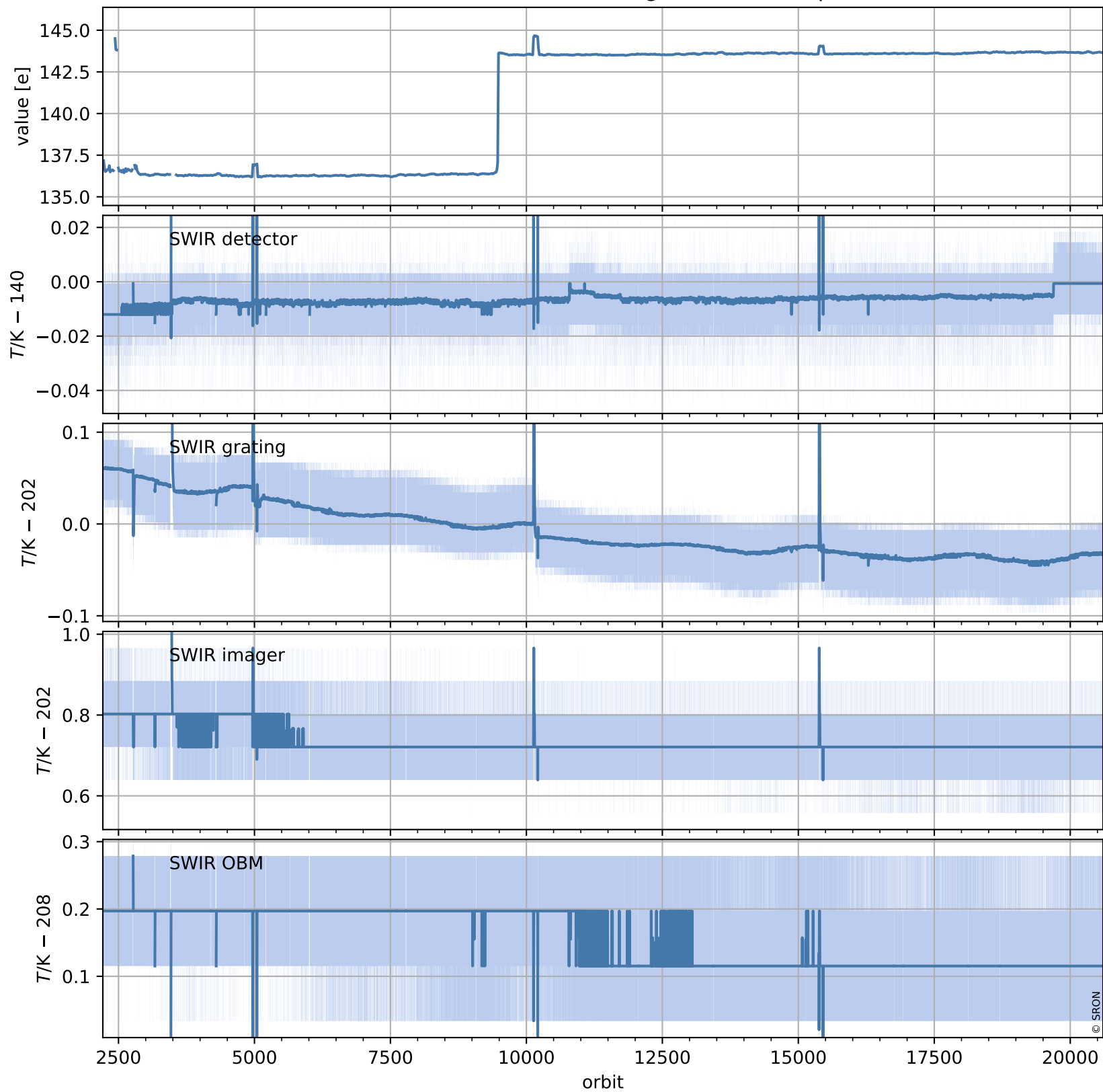
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20602]  
coverage : 2018-03-18 / 2021-10-04  
created : 2023-08-21T16:12:29

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20602]  
coverage : 2018-03-18 / 2021-10-04  
created : 2023-08-21T16:12:29

## trend of normalized read-noise & temperatures

