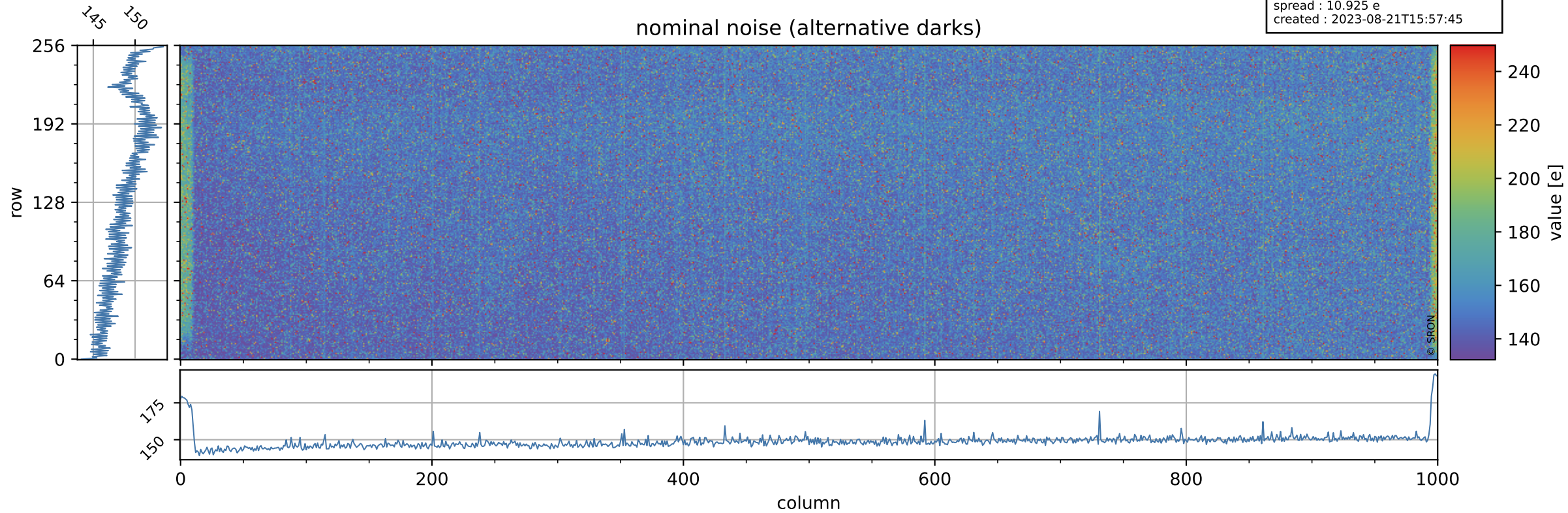


# Tropomi SWIR background noise (swir)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.64 e  
spread : 10.925 e  
created : 2023-08-21T15:57:45

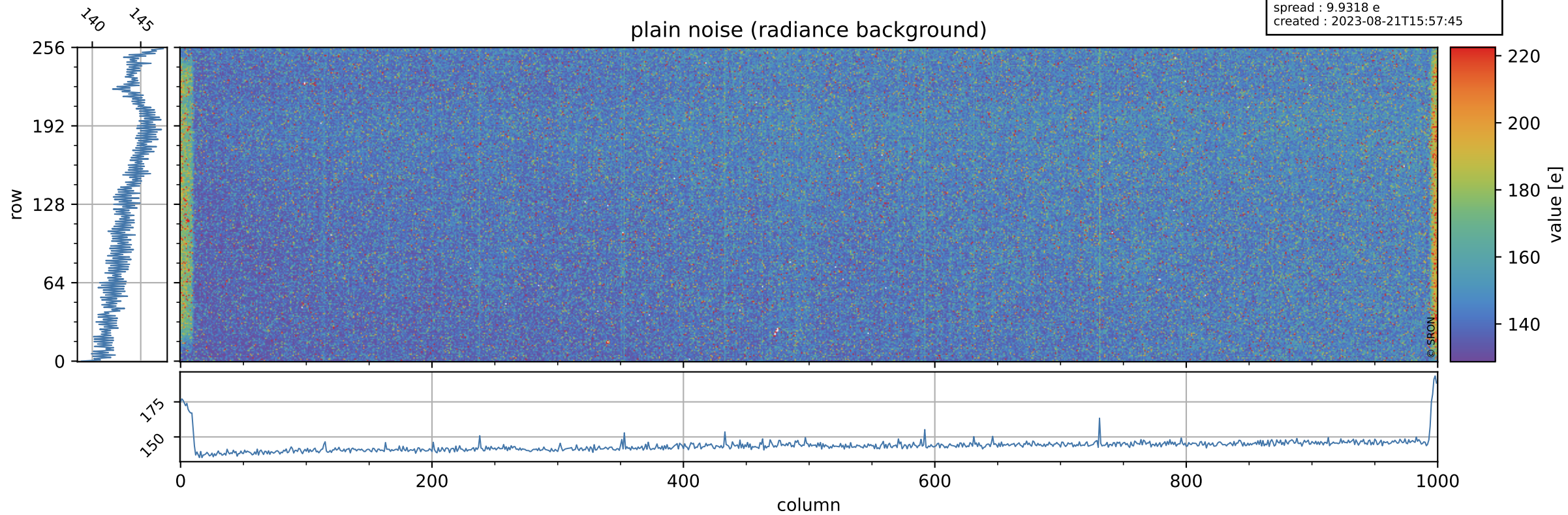
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.9318 e  
created : 2023-08-21T15:57:45

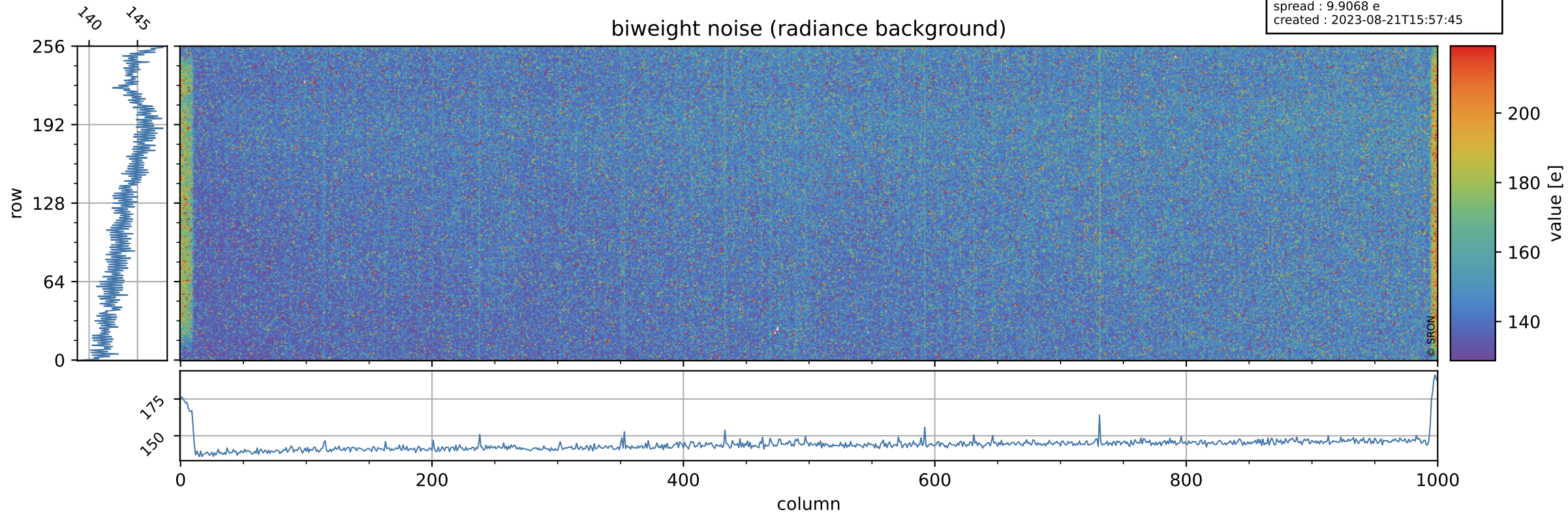
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.9068 e  
created : 2023-08-21T15:57:45

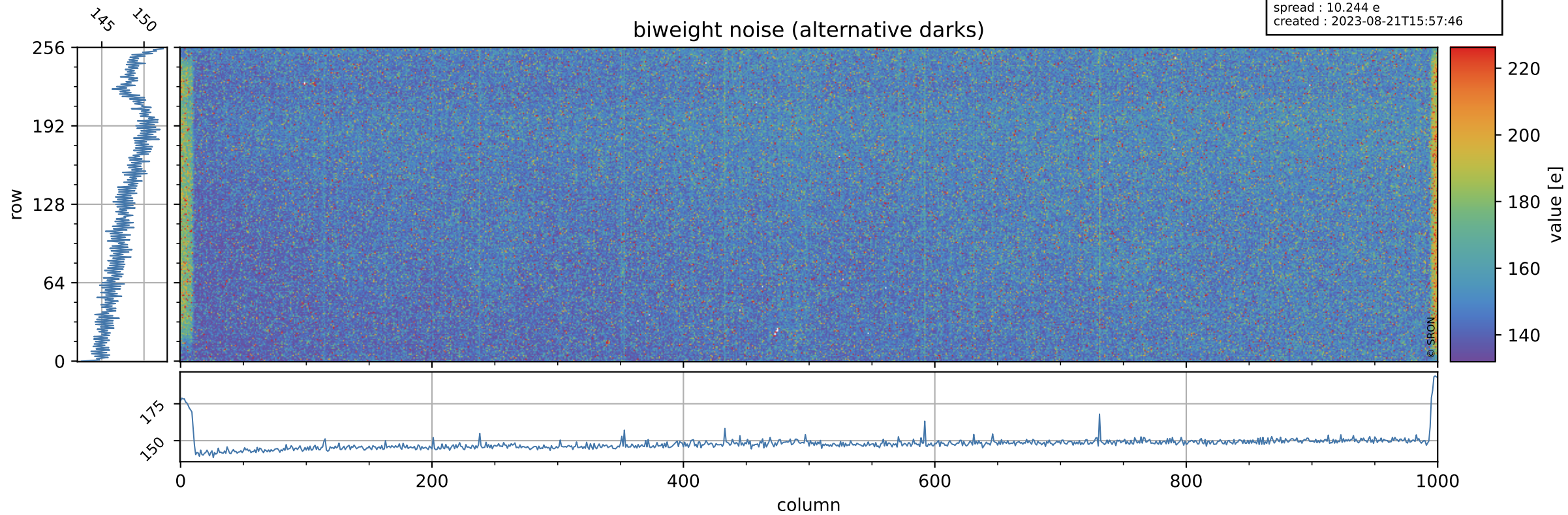
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.244 e  
created : 2023-08-21T15:57:46

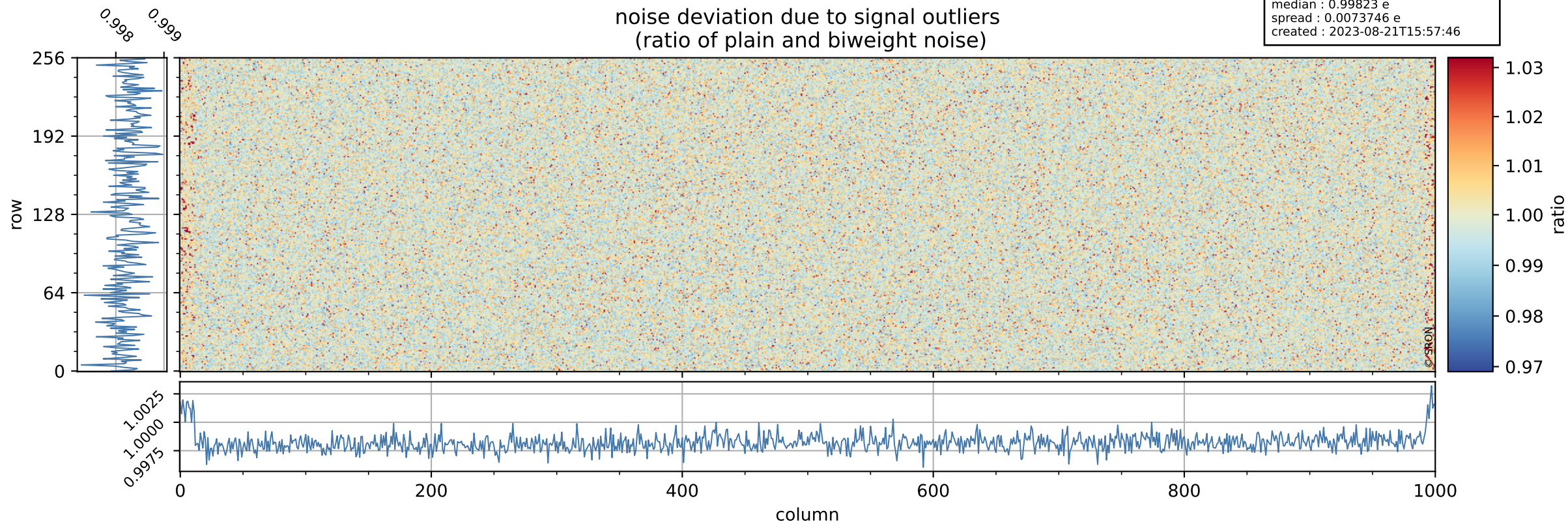
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

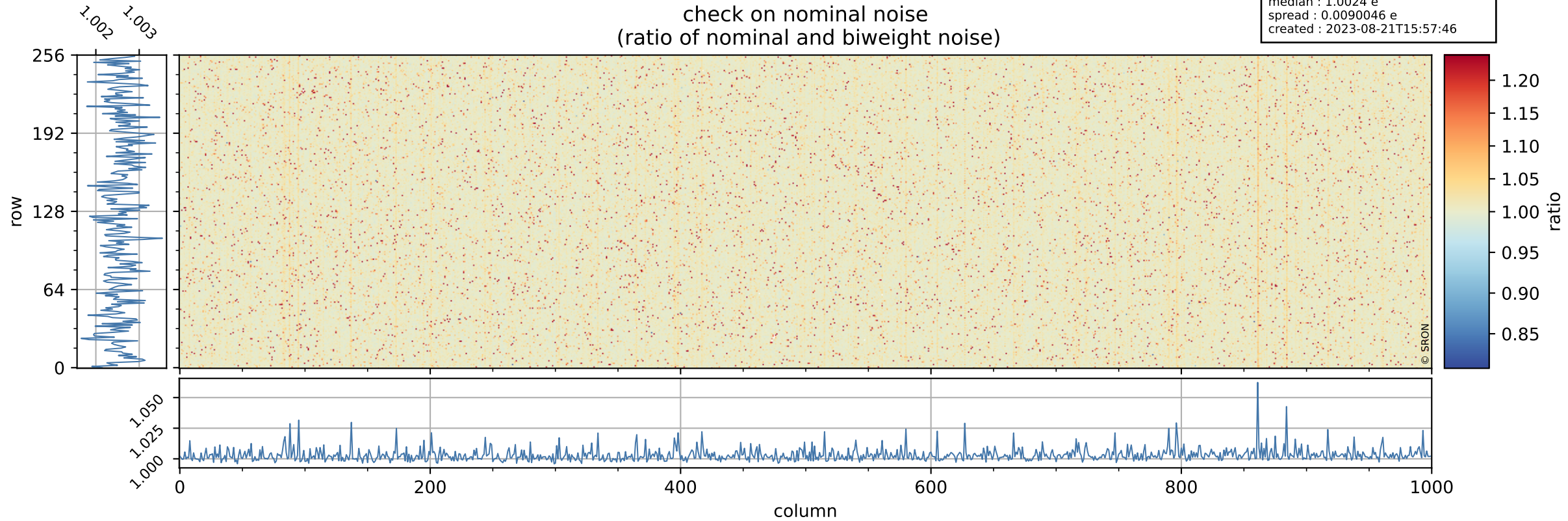
orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
median : 0.99823 e  
spread : 0.0073746 e  
created : 2023-08-21T15:57:46



# Tropomi SWIR background noise (swir)

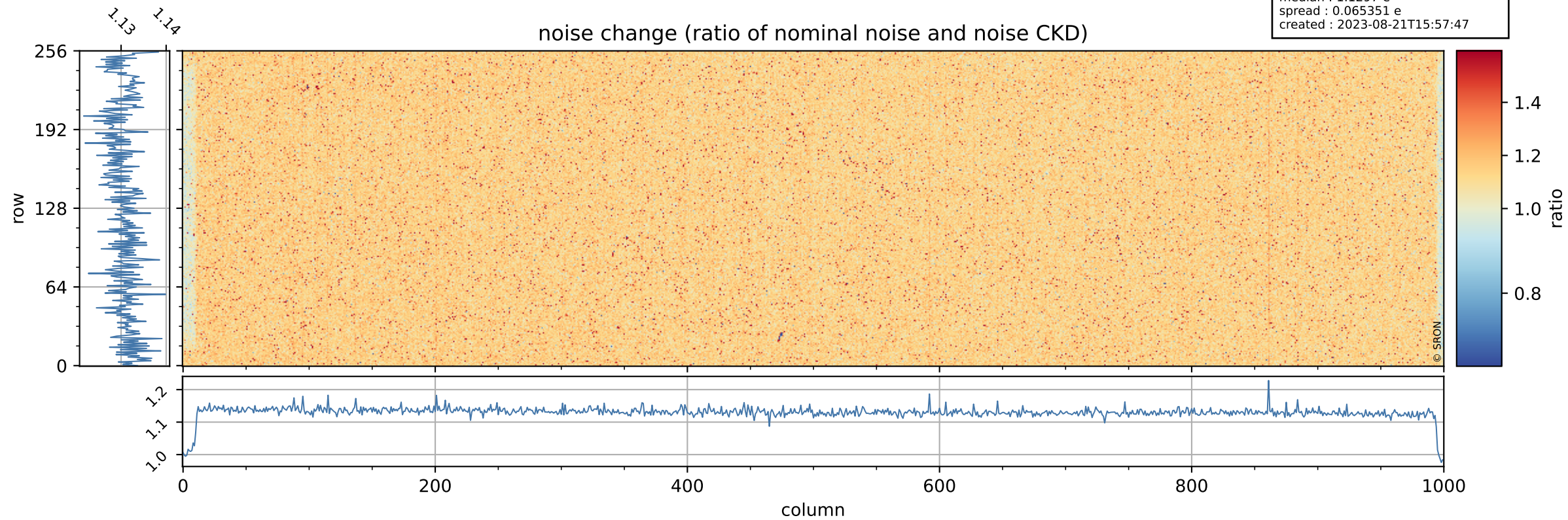
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
median : 1.0024 e  
spread : 0.0090046 e  
created : 2023-08-21T15:57:46



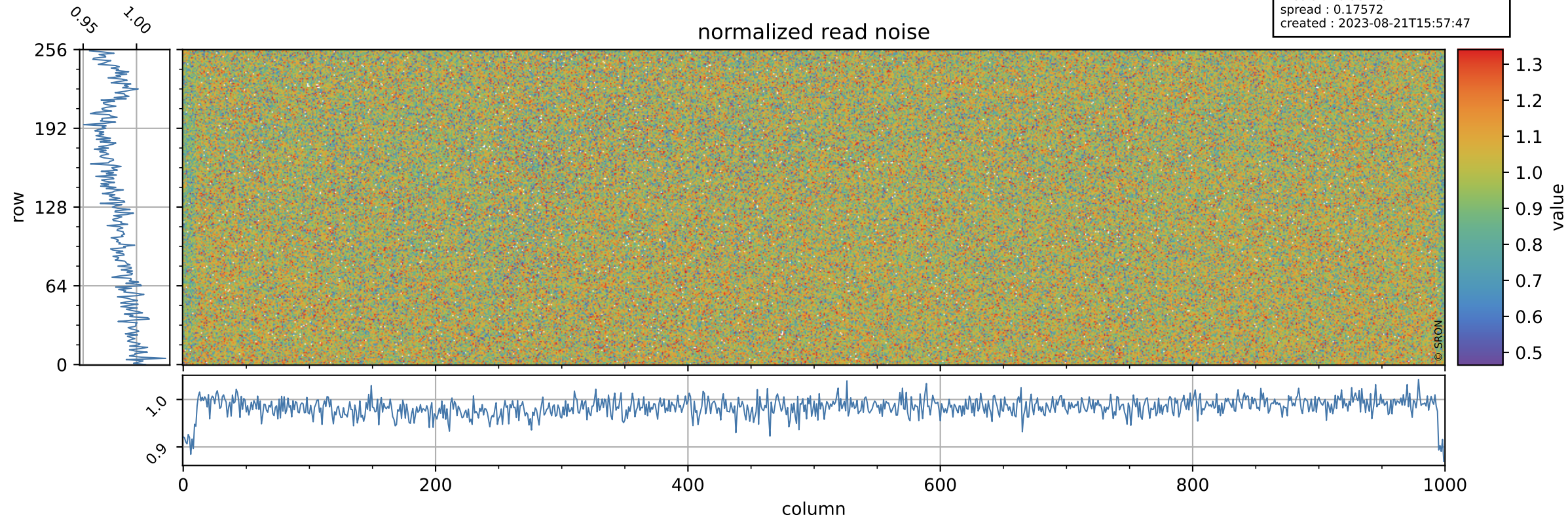
# Tropomi SWIR background noise (swir)

orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
median : 1.1297 e  
spread : 0.065351 e  
created : 2023-08-21T15:57:47



# Tropomi SWIR background noise (swir)

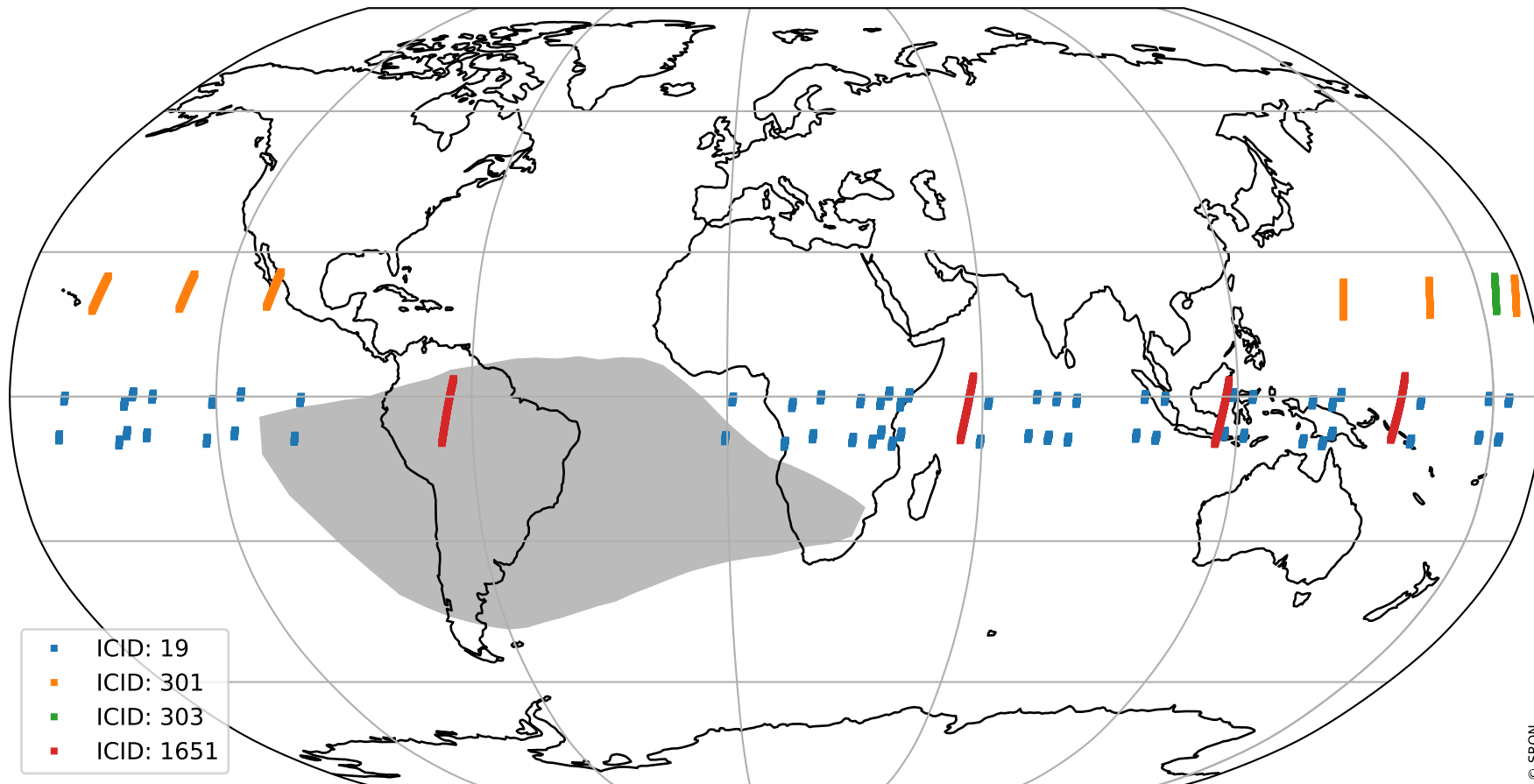
orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
median : 0.98176  
spread : 0.17572  
created : 2023-08-21T15:57:47





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

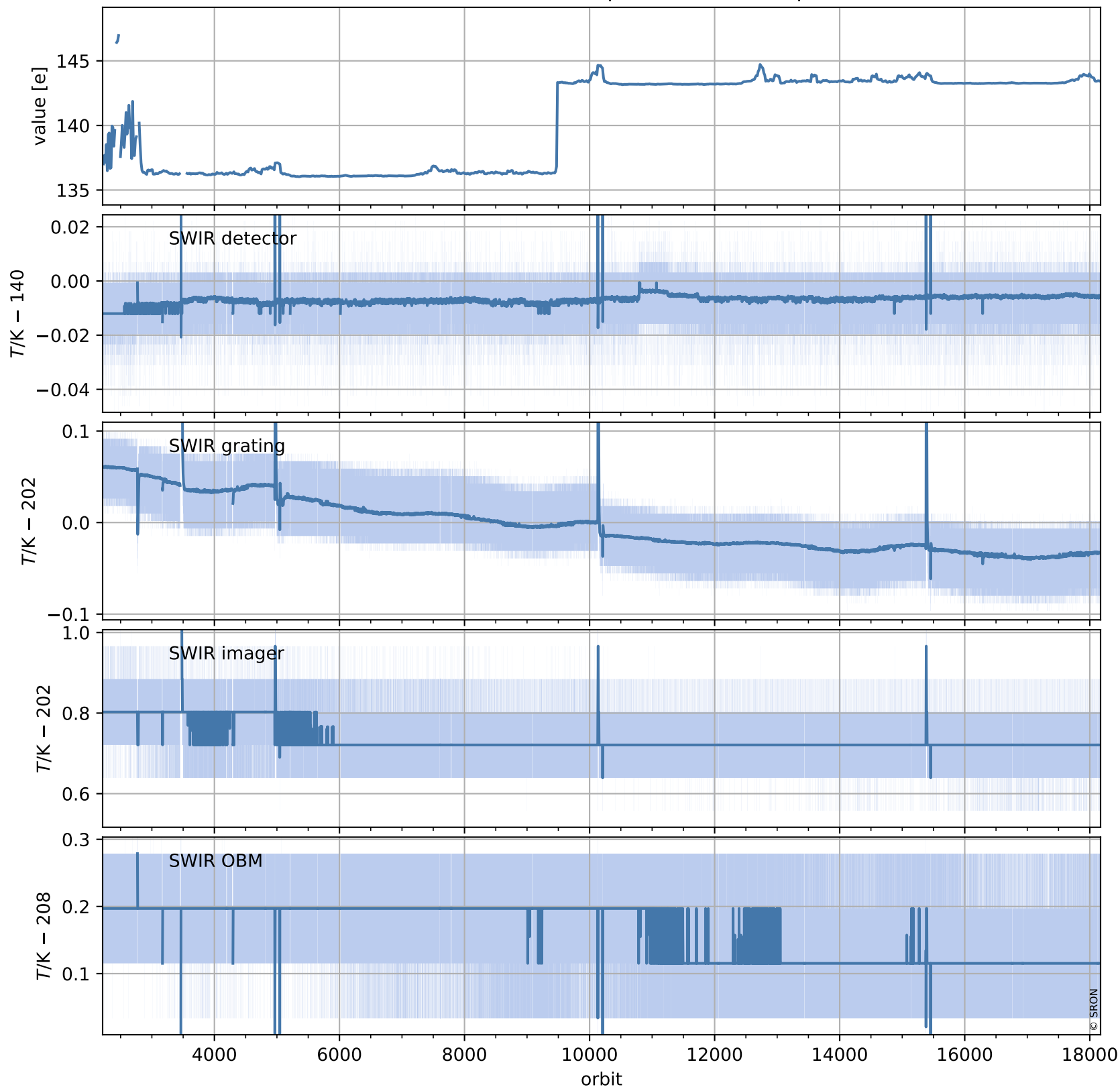
orbits : 11 in [18082, 18172]  
coverage : 2021-04-10 / 2021-04-15  
created : 2023-08-21T15:57:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 18172]  
coverage : 2018-03-18 / 2021-04-15  
created : 2023-08-21T15:57:47

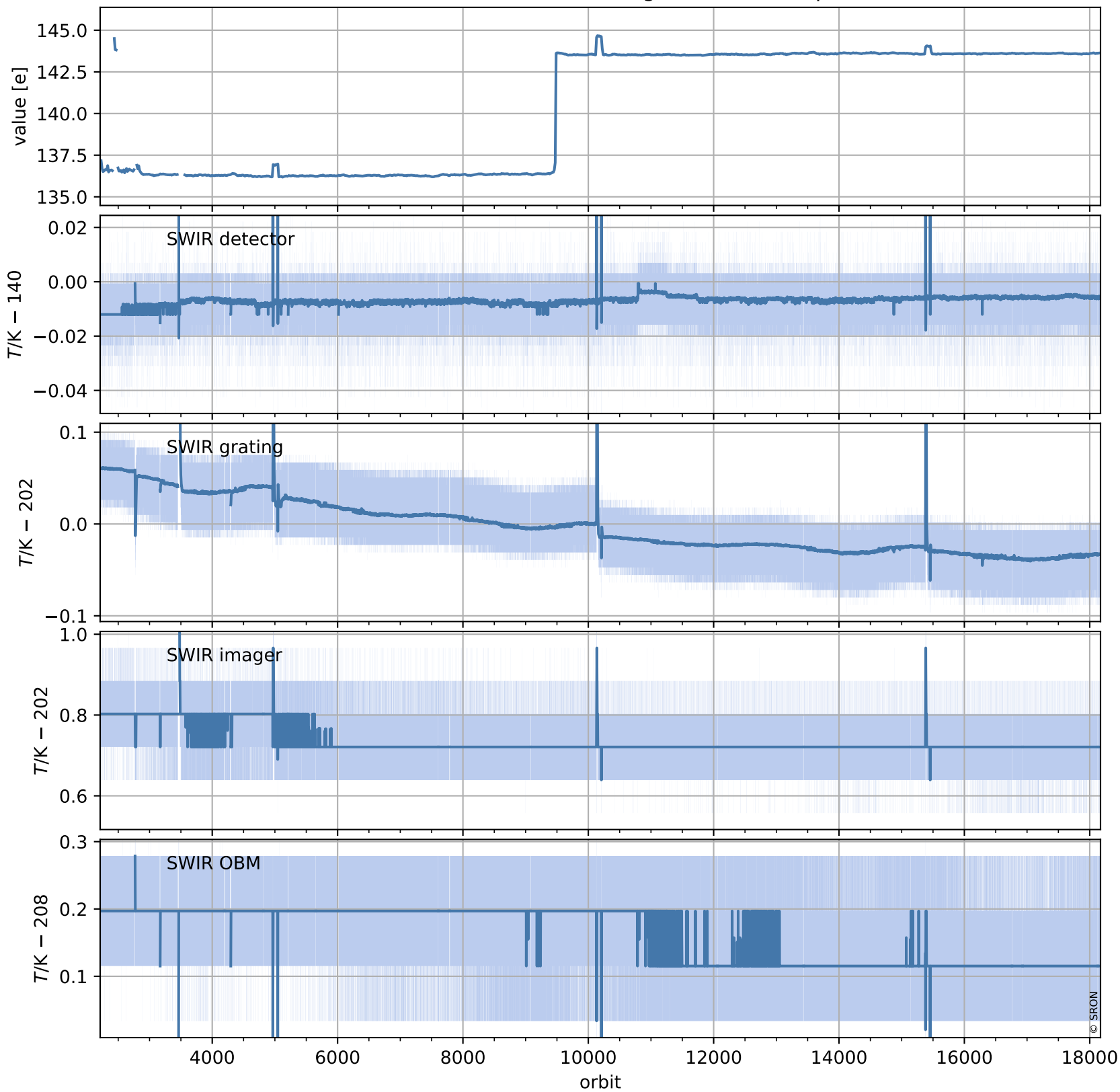
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18172]  
coverage : 2018-03-18 / 2021-04-15  
created : 2023-08-21T15:57:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18172]  
coverage : 2018-03-18 / 2021-04-15  
created : 2023-08-21T15:57:49

## trend of normalized read-noise & temperatures

