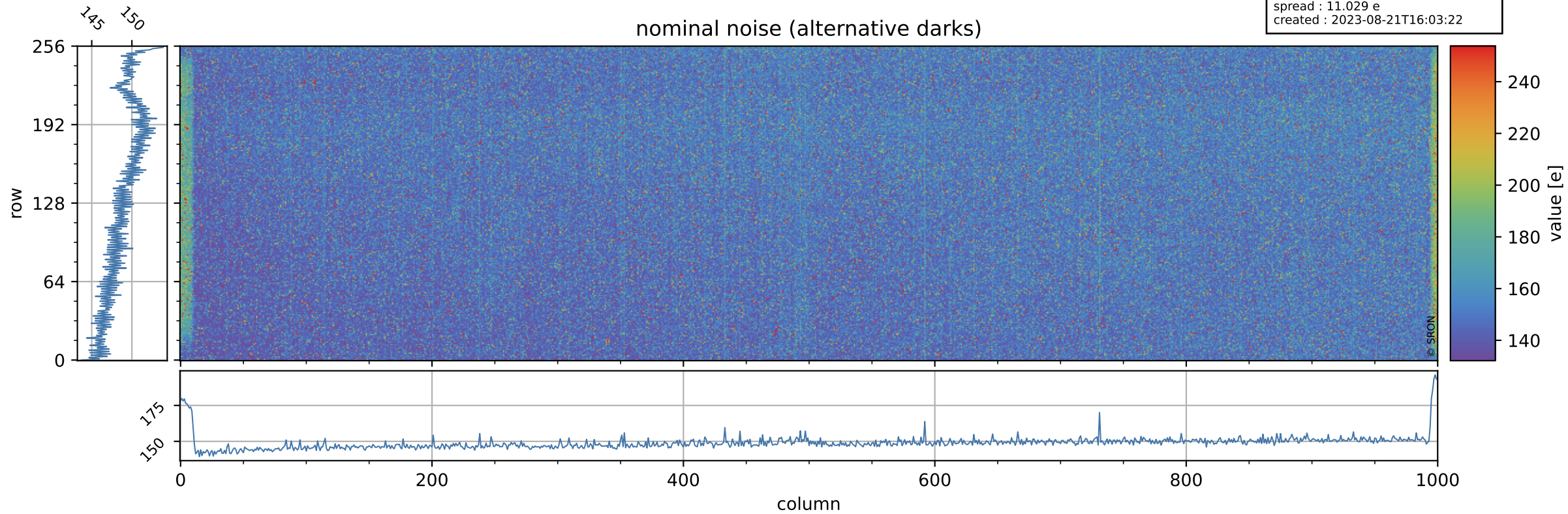


# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.75 e  
spread : 11.029 e  
created : 2023-08-21T16:03:22

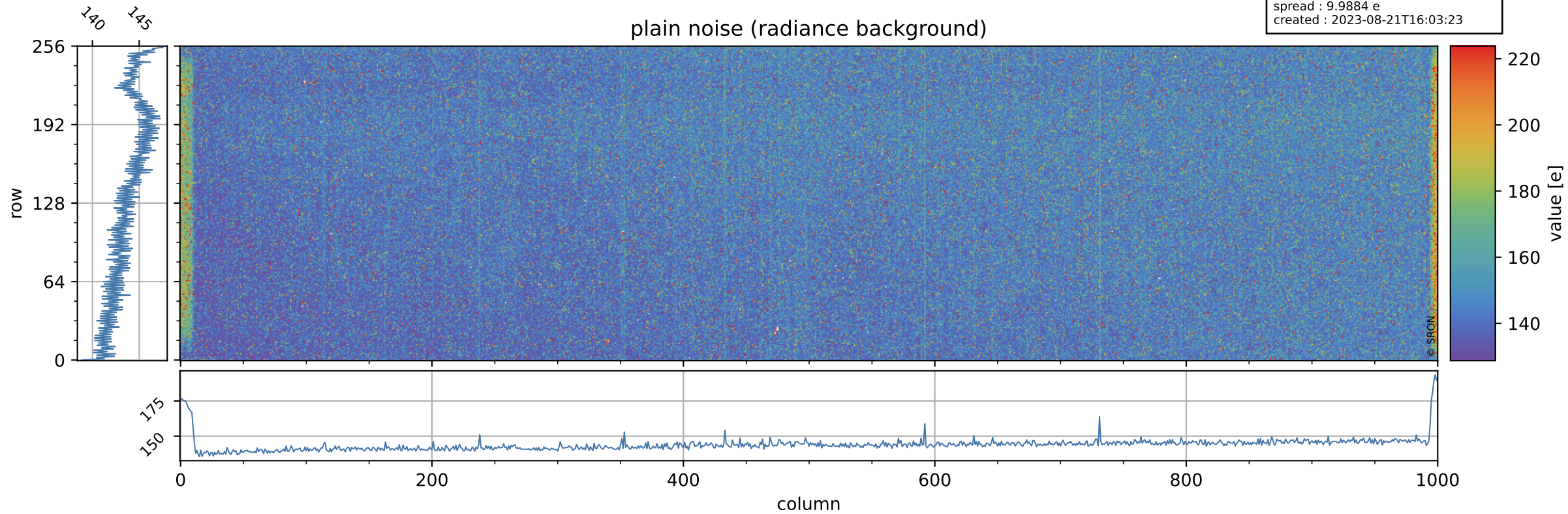
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.9884 e  
created : 2023-08-21T16:03:23

plain noise (radiance background)

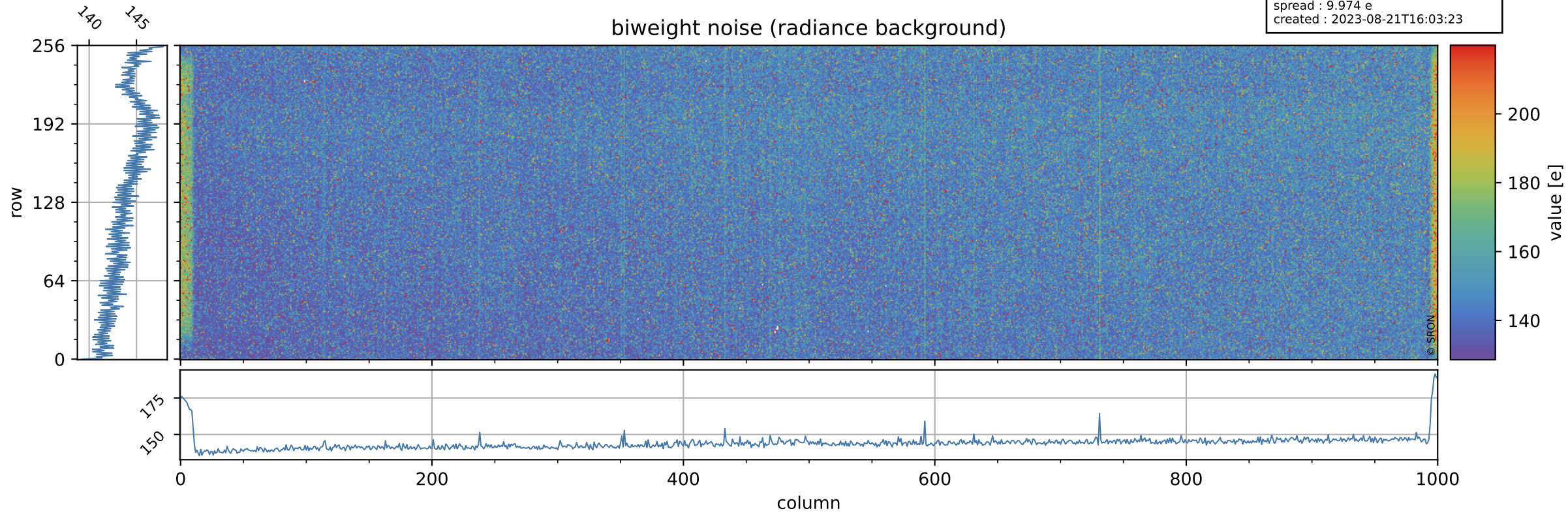




# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.974 e  
created : 2023-08-21T16:03:23

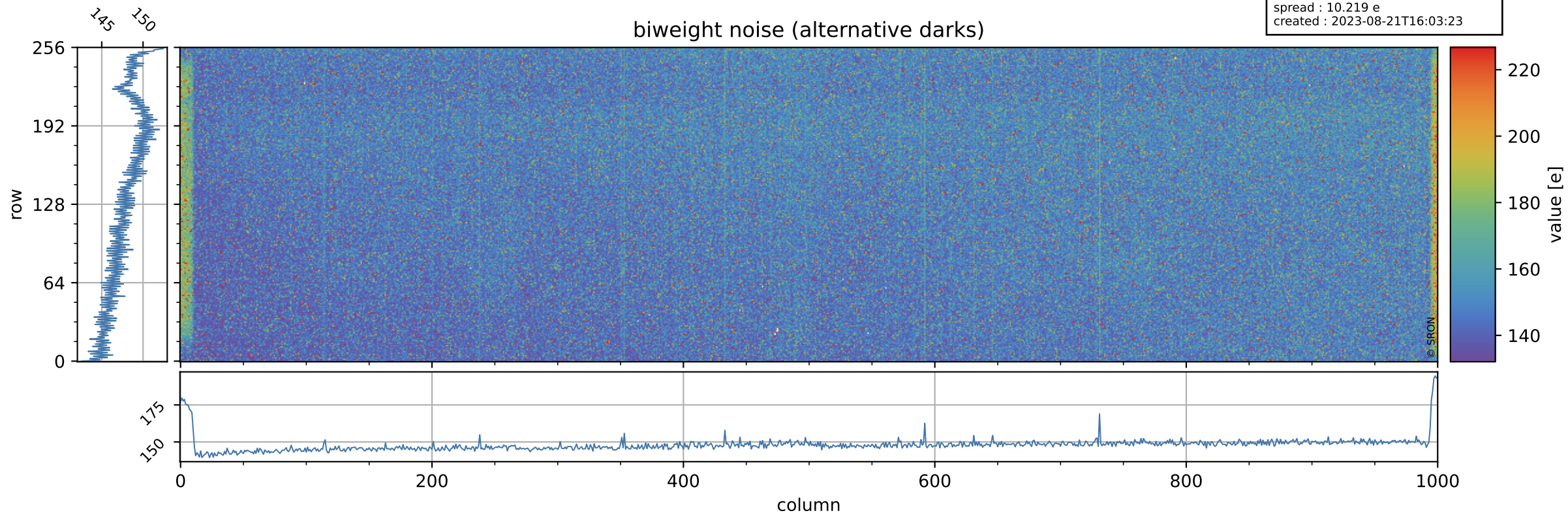
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.219 e  
created : 2023-08-21T16:03:23

## biweight noise (alternative darks)

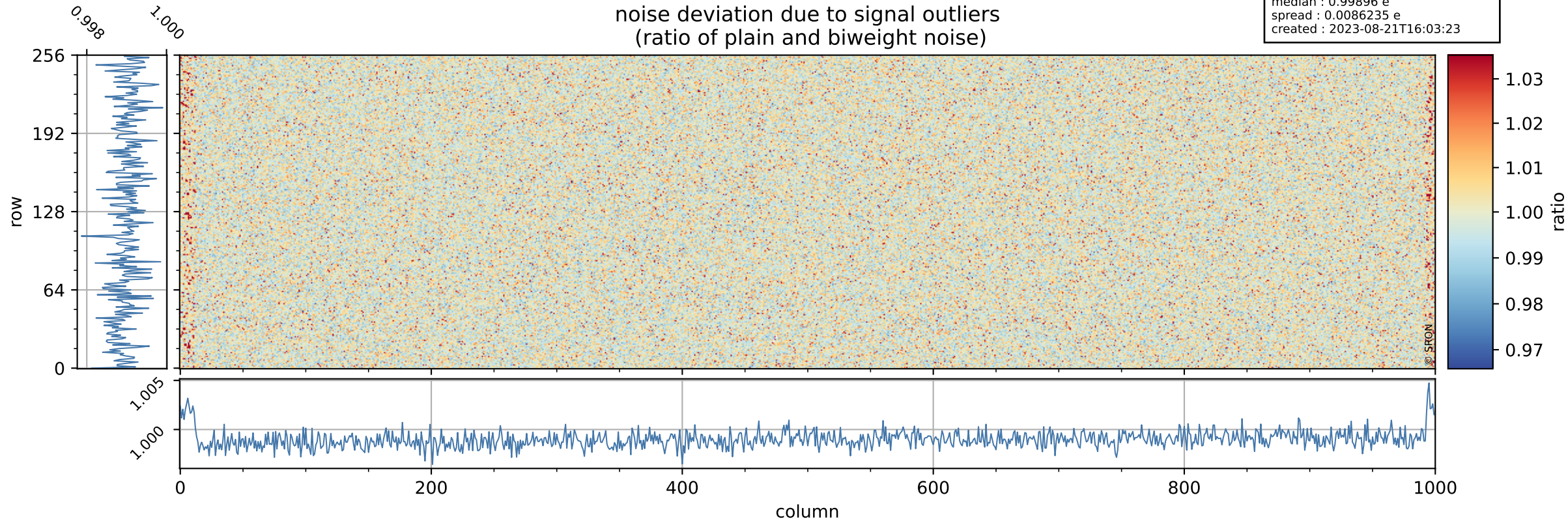




# Tropomi SWIR background noise (swir)

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

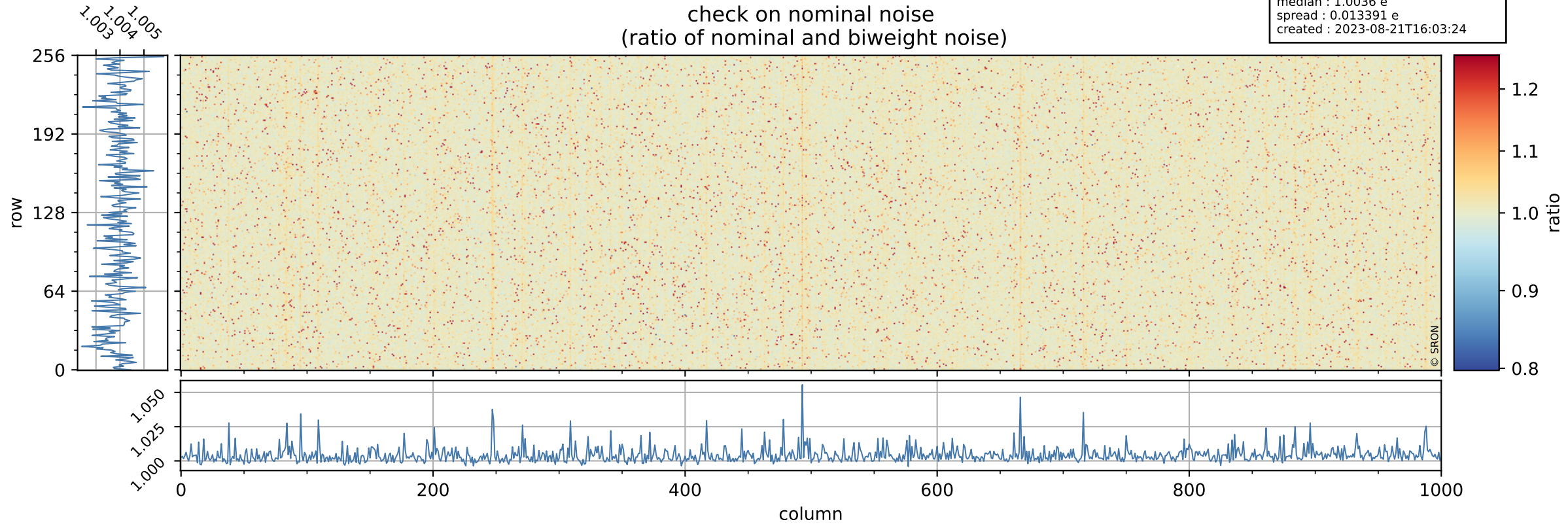
orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
median : 0.99896 e  
spread : 0.0086235 e  
created : 2023-08-21T16:03:23



# Tropomi SWIR background noise (swir)

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

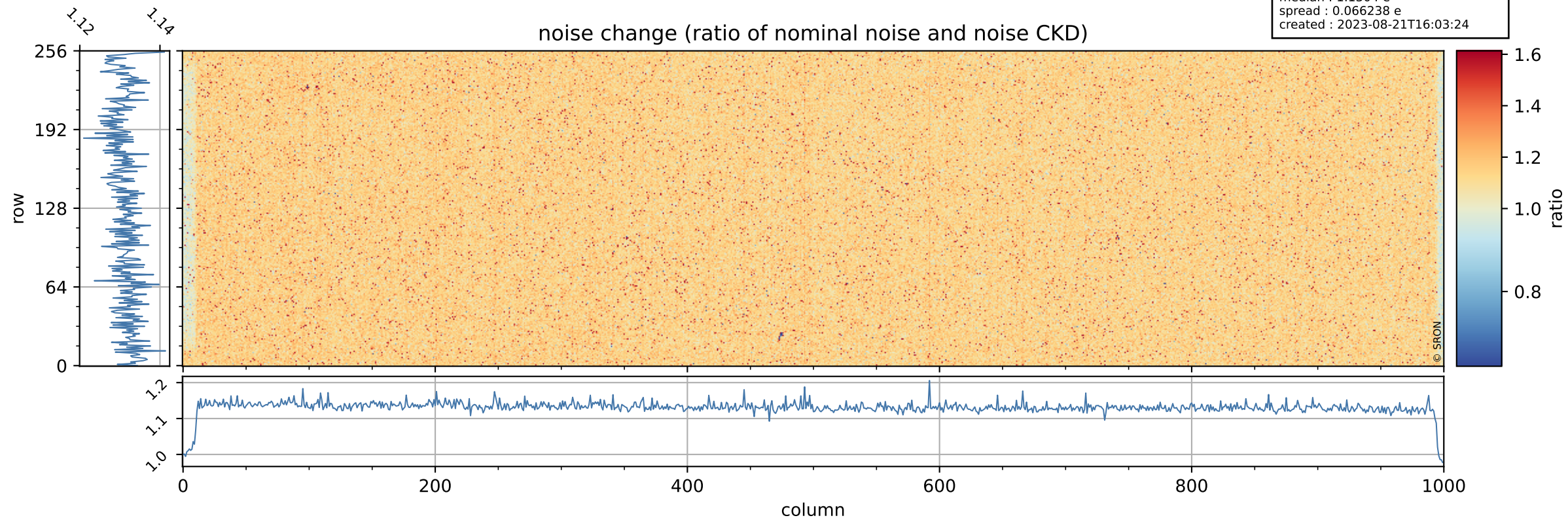
orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
median : 1.0036 e  
spread : 0.013391 e  
created : 2023-08-21T16:03:24





# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
median : 1.1304 e  
spread : 0.066238 e  
created : 2023-08-21T16:03:24

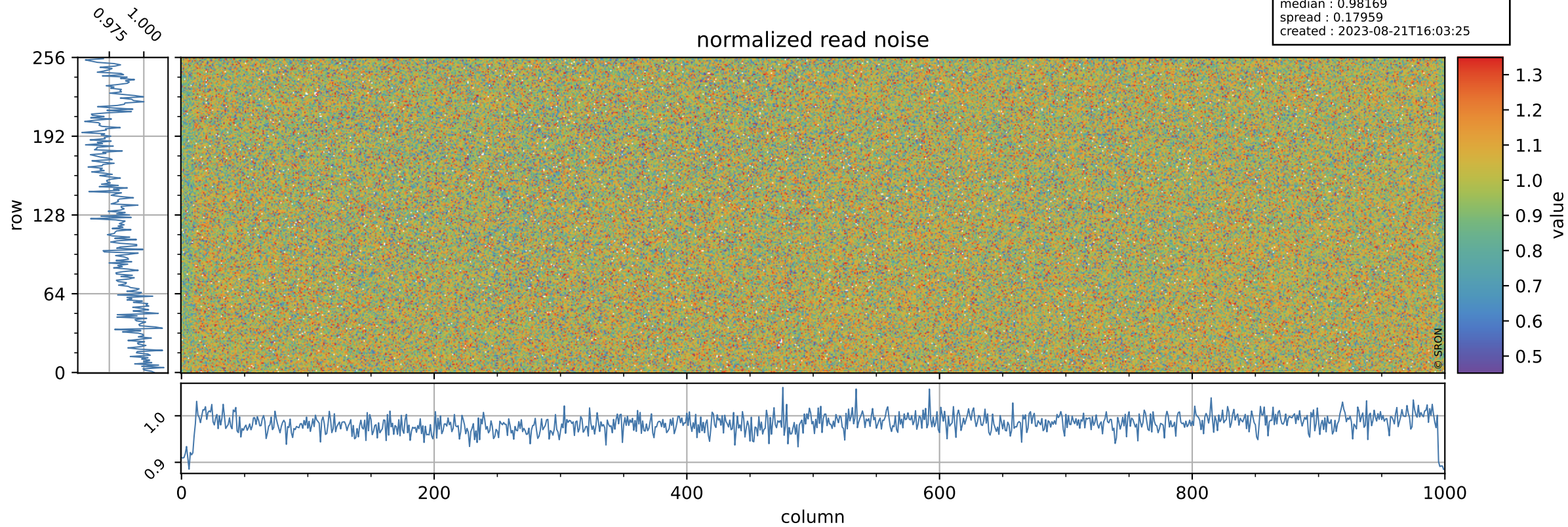




# Tropomi SWIR background noise (swir)

orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
median : 0.98169  
spread : 0.17959  
created : 2023-08-21T16:03:25

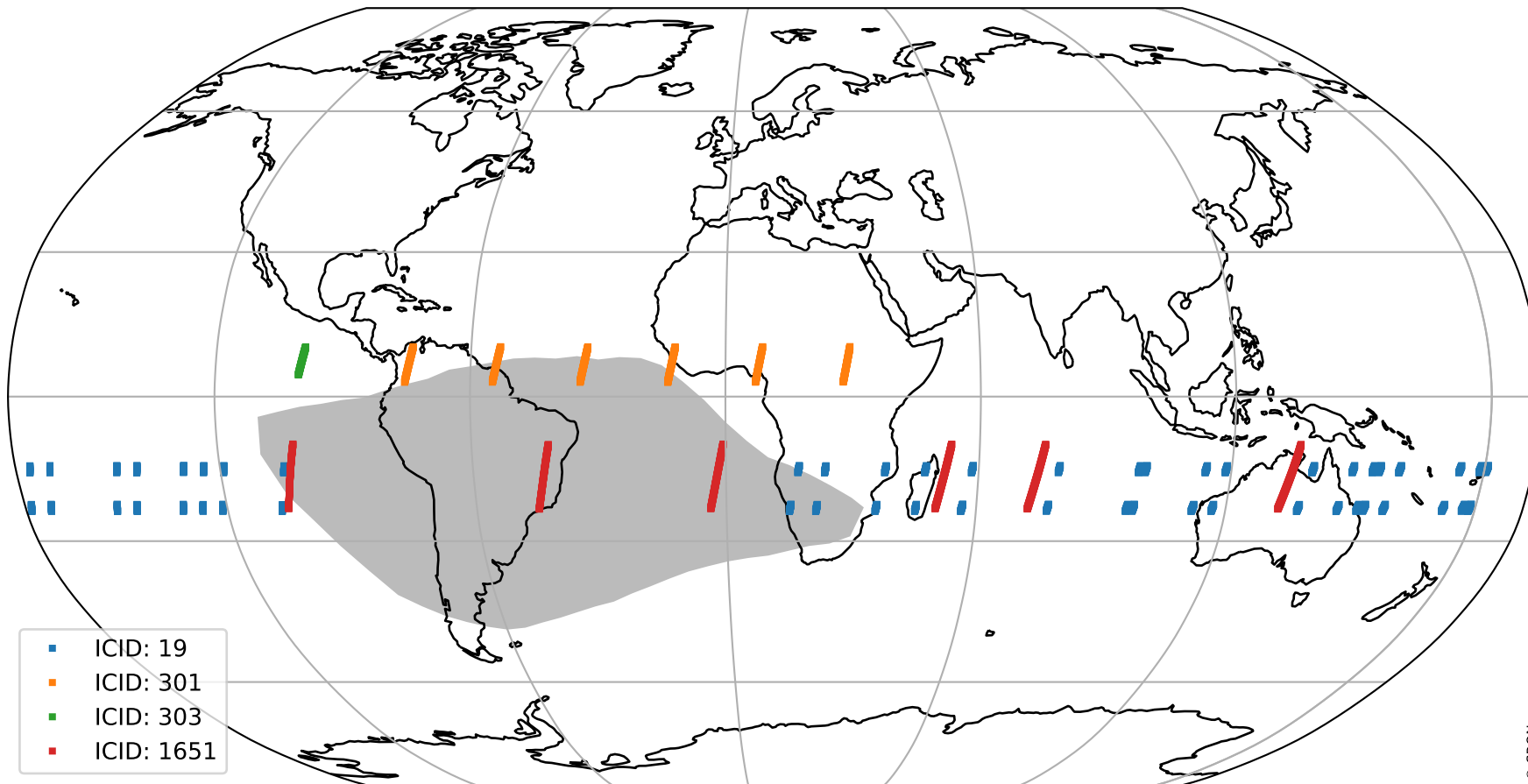
normalized read noise





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

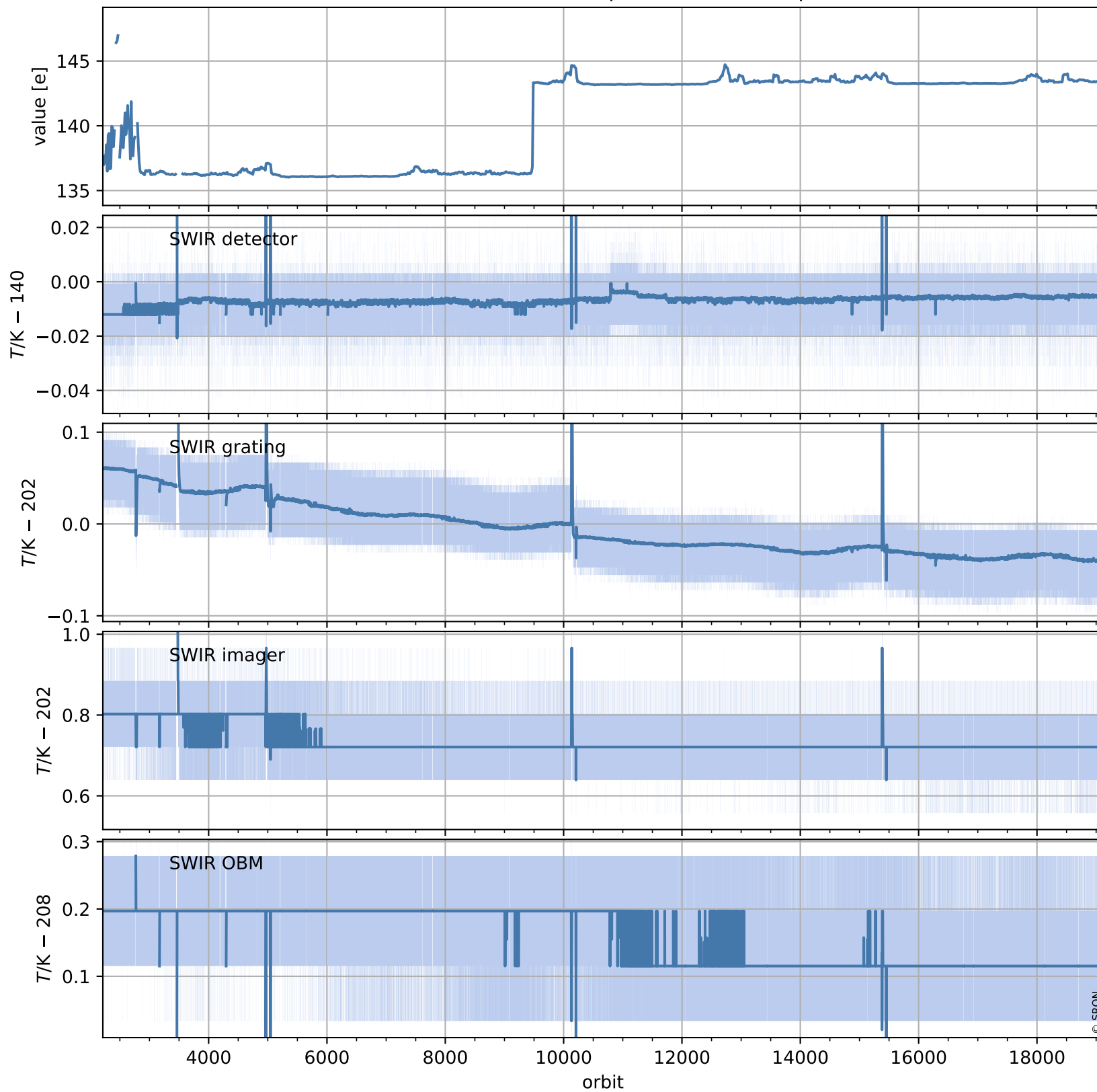
orbits : 13 in [19027, 19117]  
coverage : 2021-06-15 / 2021-06-21  
created : 2023-08-21T16:03:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 19117]  
coverage : 2018-03-18 / 2021-06-21  
created : 2023-08-21T16:03:25

## trend of detector median of plain noise & temperatures

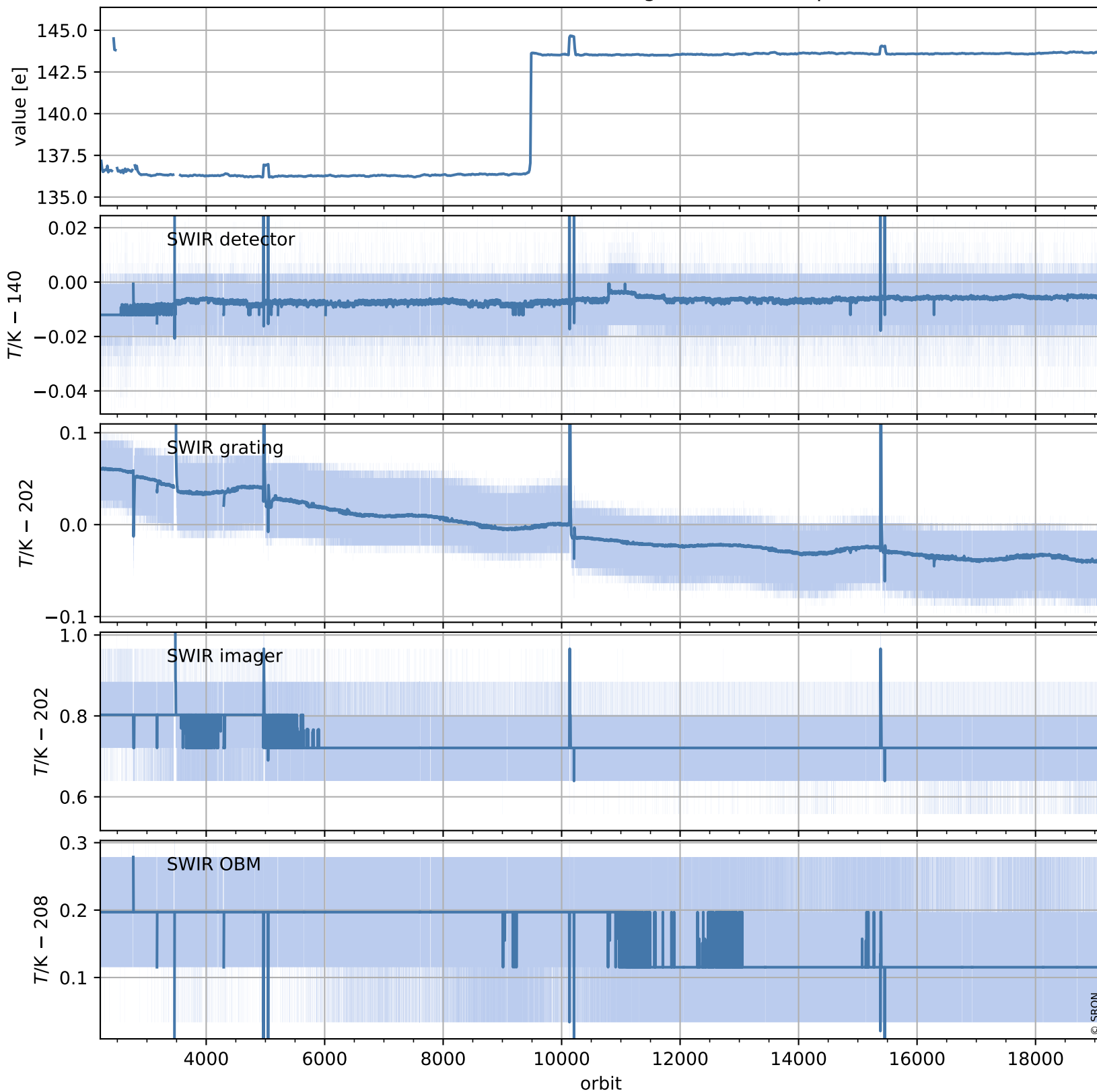




# Tropomi SWIR background noise (swir)

orbits : [2212, 19117]  
coverage : 2018-03-18 / 2021-06-21  
created : 2023-08-21T16:03:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19117]  
coverage : 2018-03-18 / 2021-06-21  
created : 2023-08-21T16:03:27

## trend of normalized read-noise & temperatures

