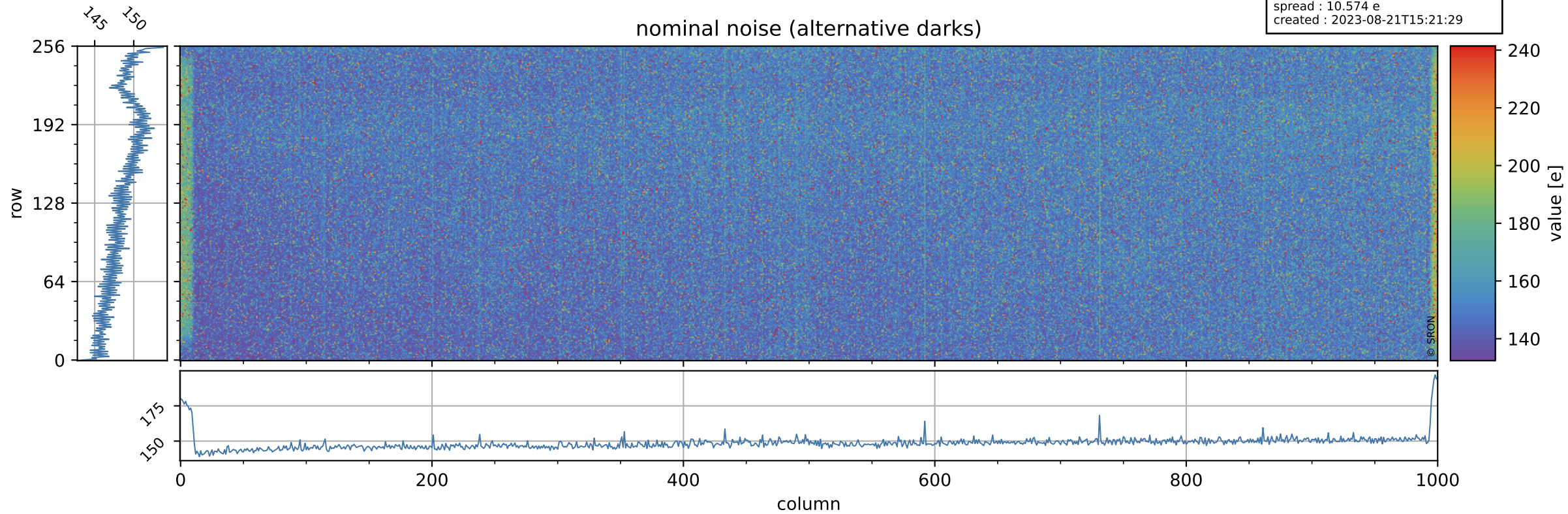


# Tropomi SWIR background noise (swir)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.41 e  
spread : 10.574 e  
created : 2023-08-21T15:21:29

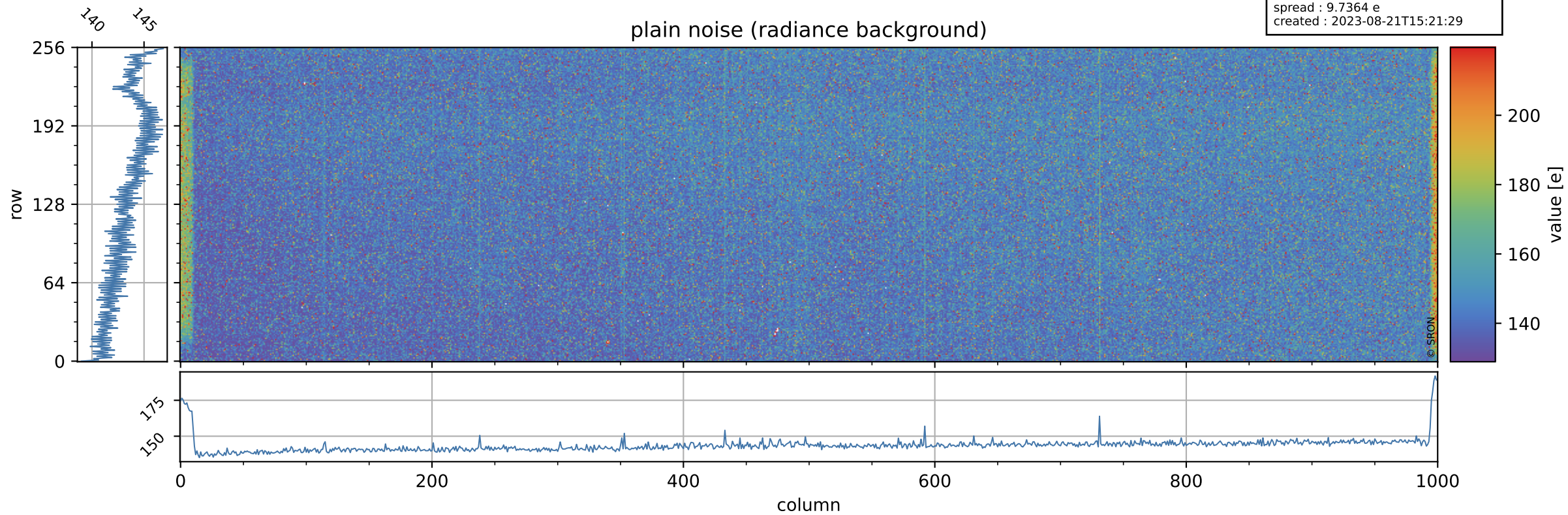
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.7364 e  
created : 2023-08-21T15:21:29

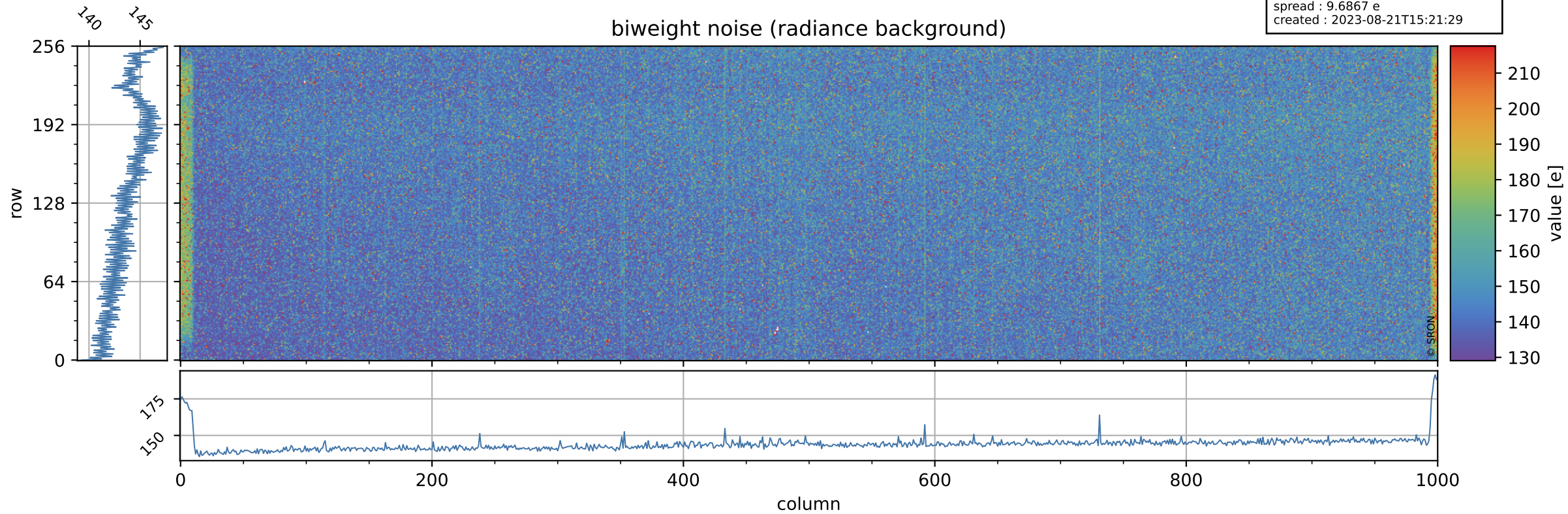
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.6867 e  
created : 2023-08-21T15:21:29

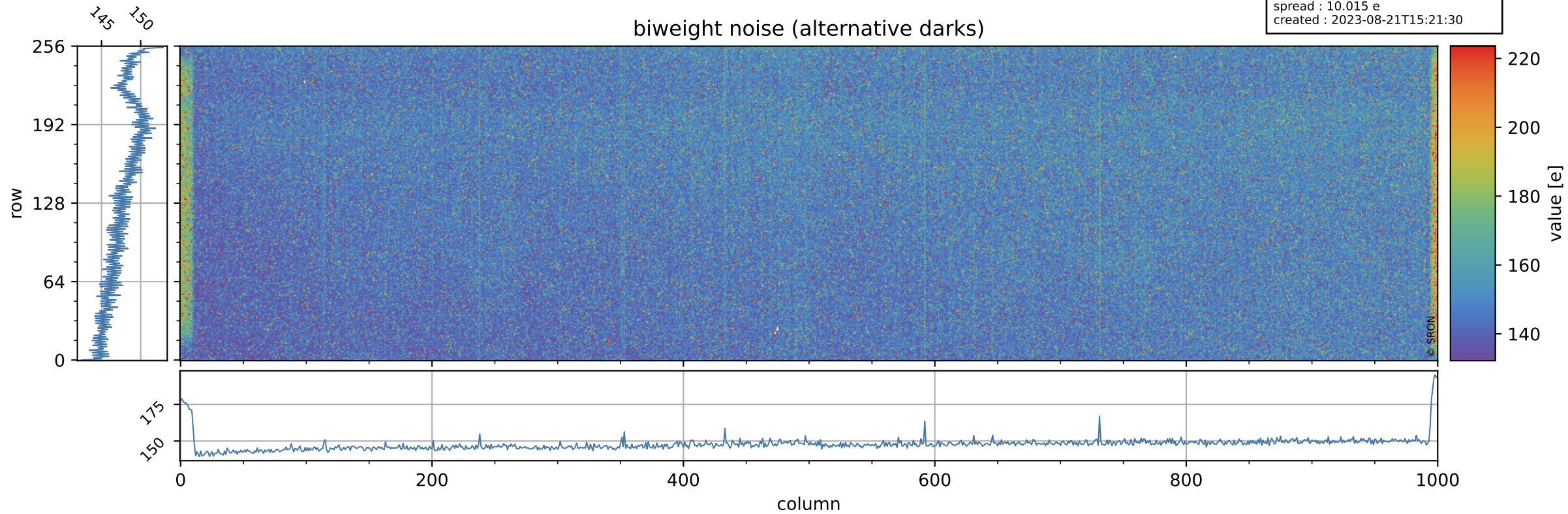
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.015 e  
created : 2023-08-21T15:21:30

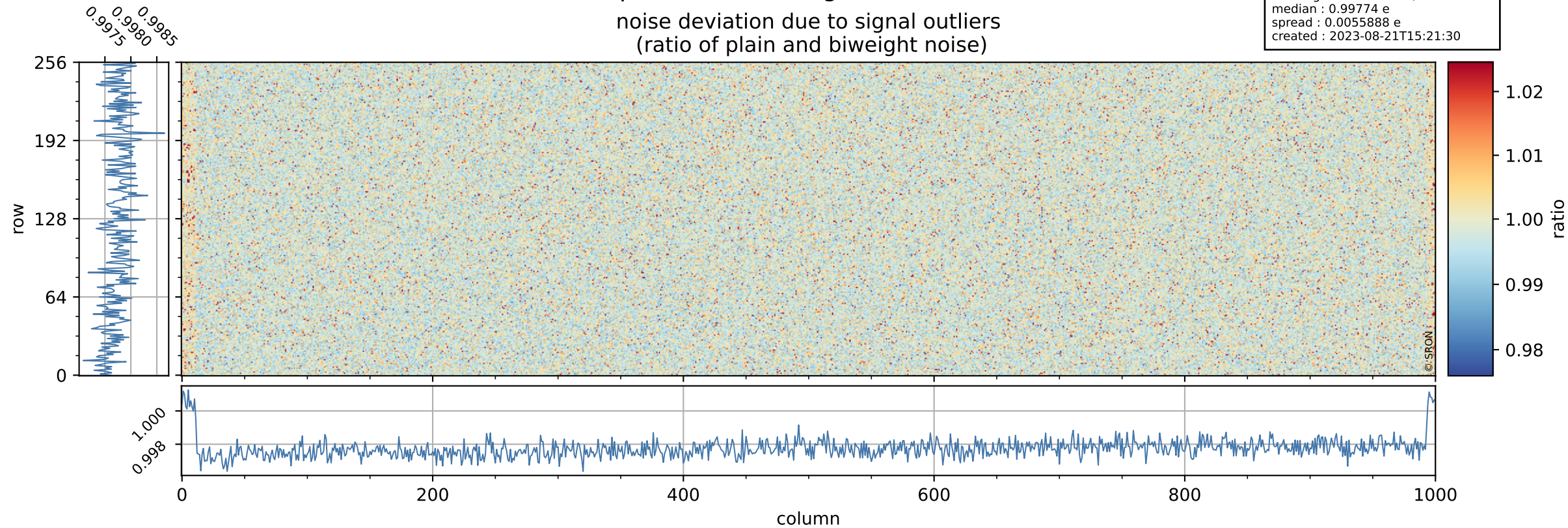
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

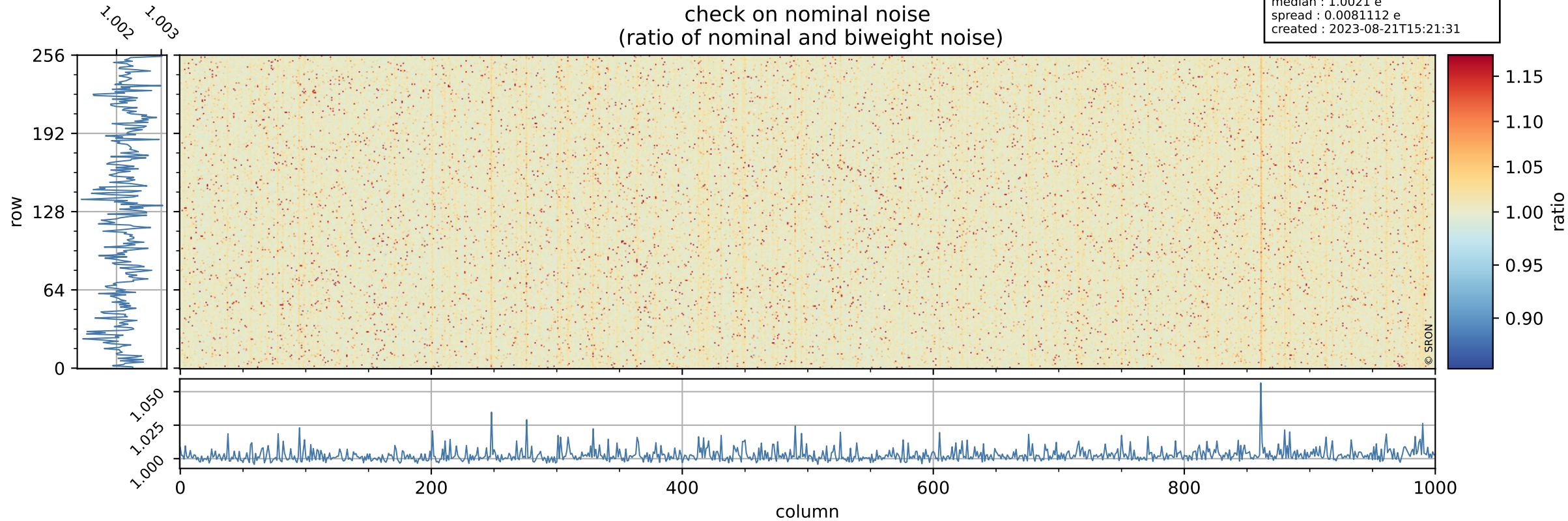
orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
median : 0.99774 e  
spread : 0.0055888 e  
created : 2023-08-21T15:21:30



# Tropomi SWIR background noise (swir)

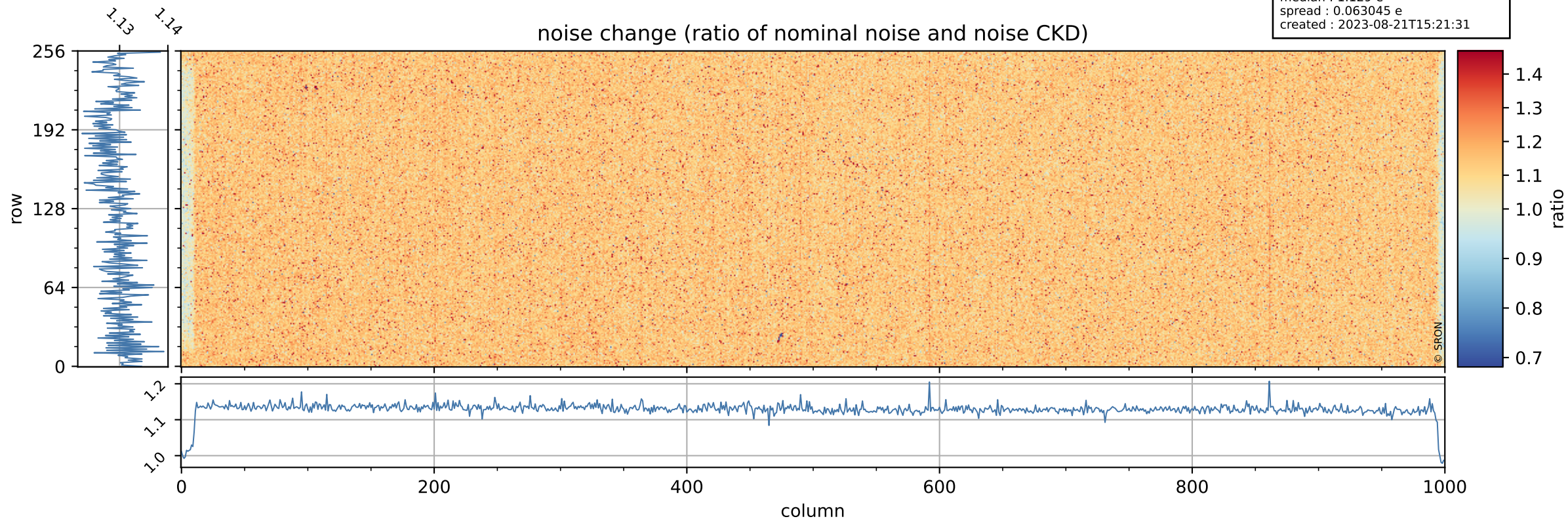
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
median : 1.0021 e  
spread : 0.0081112 e  
created : 2023-08-21T15:21:31



# Tropomi SWIR background noise (swir)

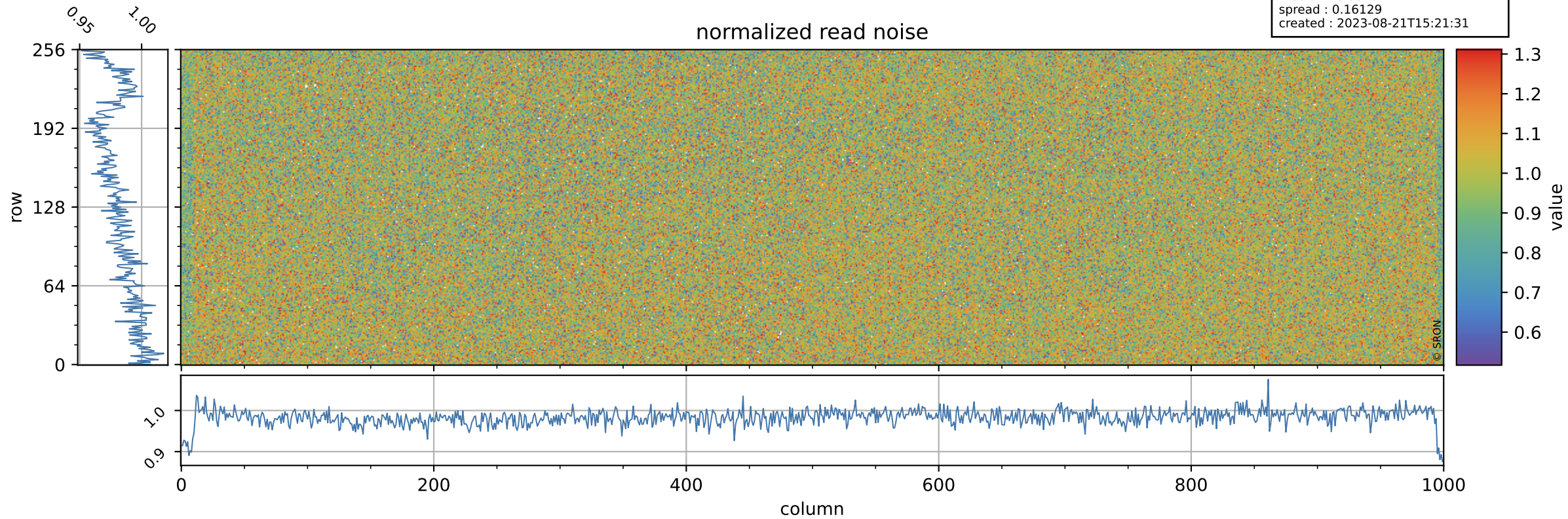
orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
median : 1.129 e  
spread : 0.063045 e  
created : 2023-08-21T15:21:31



# Tropomi SWIR background noise (swir)

orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
median : 0.9819  
spread : 0.16129  
created : 2023-08-21T15:21:31

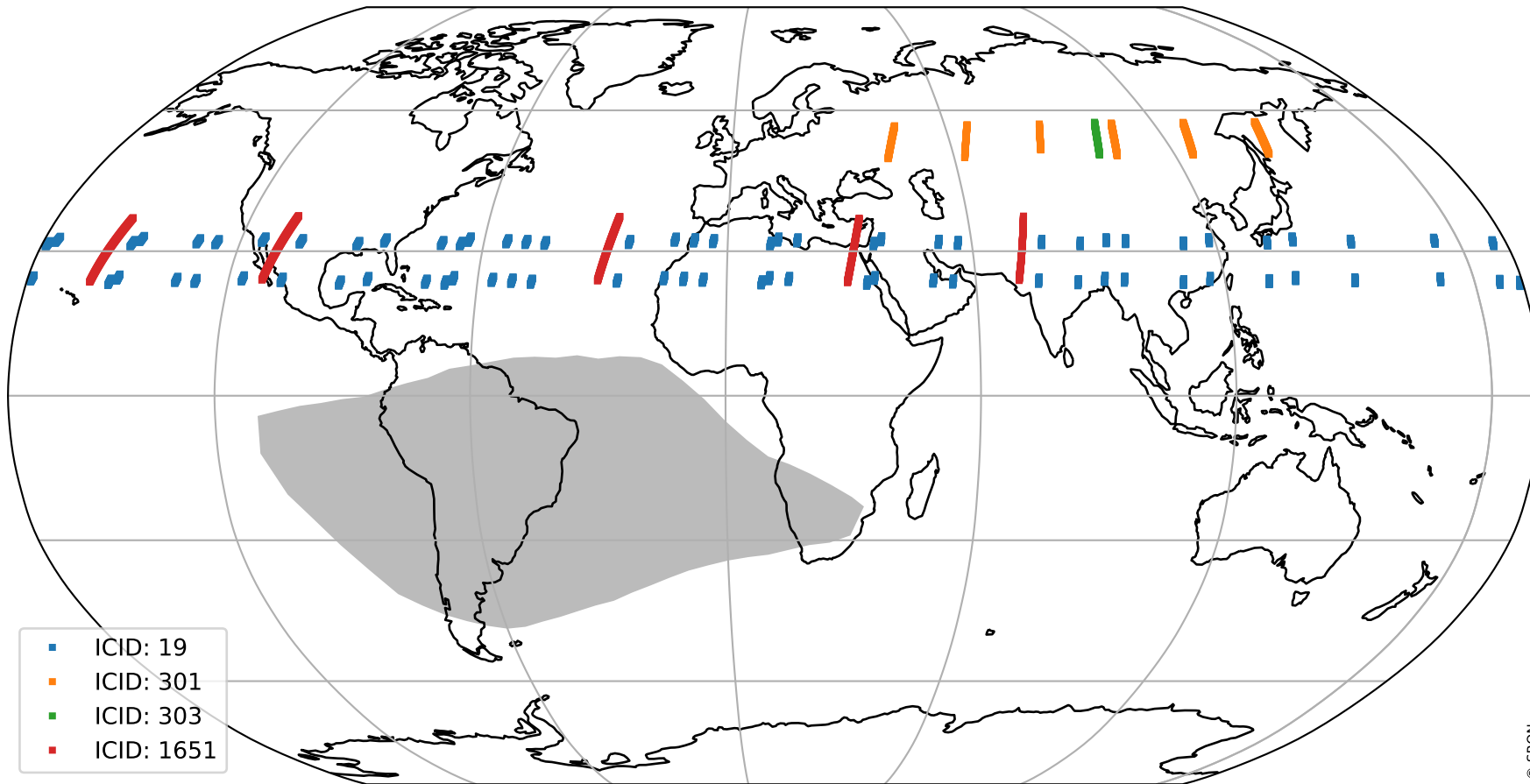
normalized read noise





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

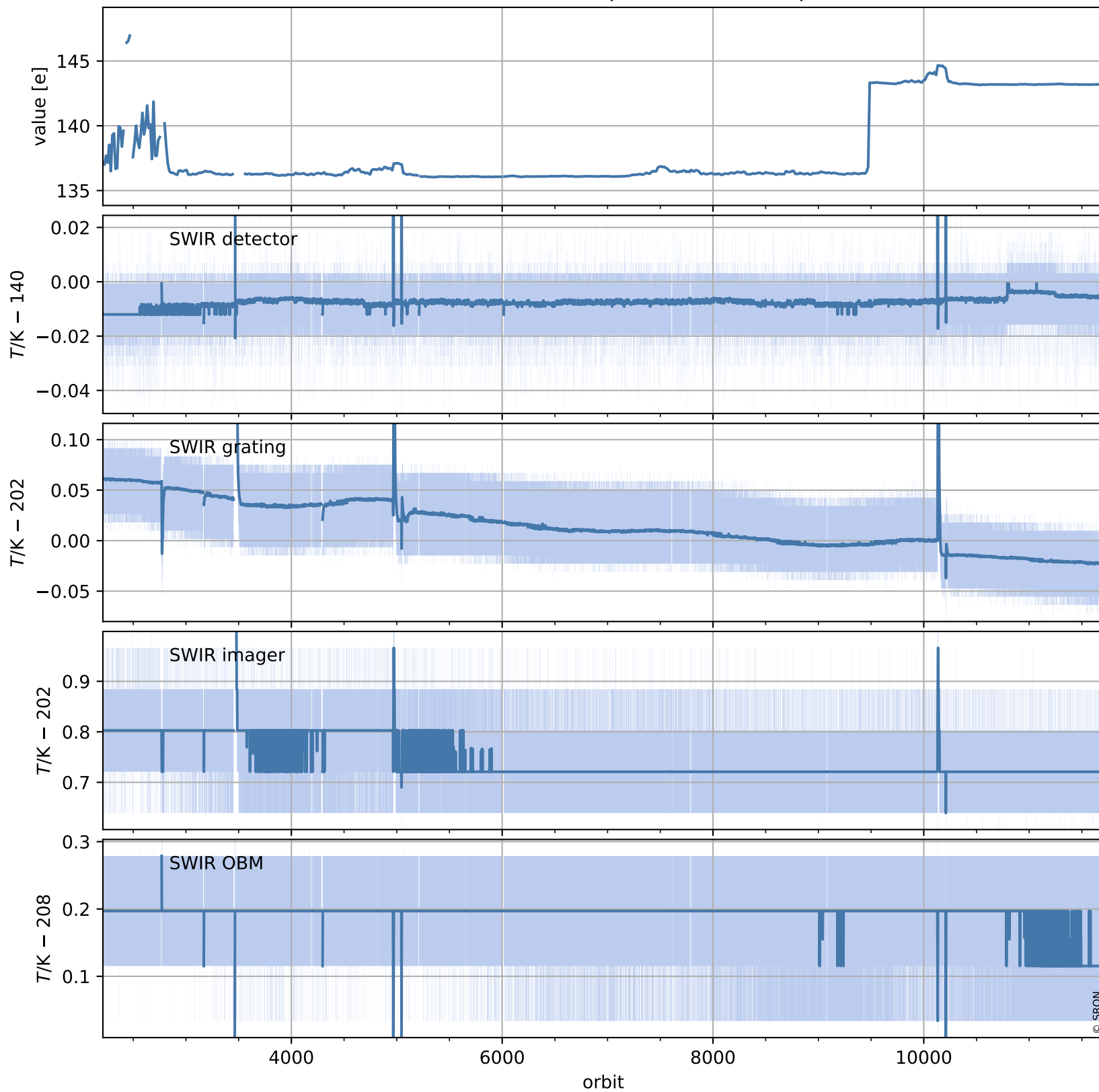
orbits : 12 in [11632, 11707]  
coverage : 2020-01-10 / 2020-01-15  
created : 2023-08-21T15:21:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 11707]  
coverage : 2018-03-18 / 2020-01-15  
created : 2023-08-21T15:21:32

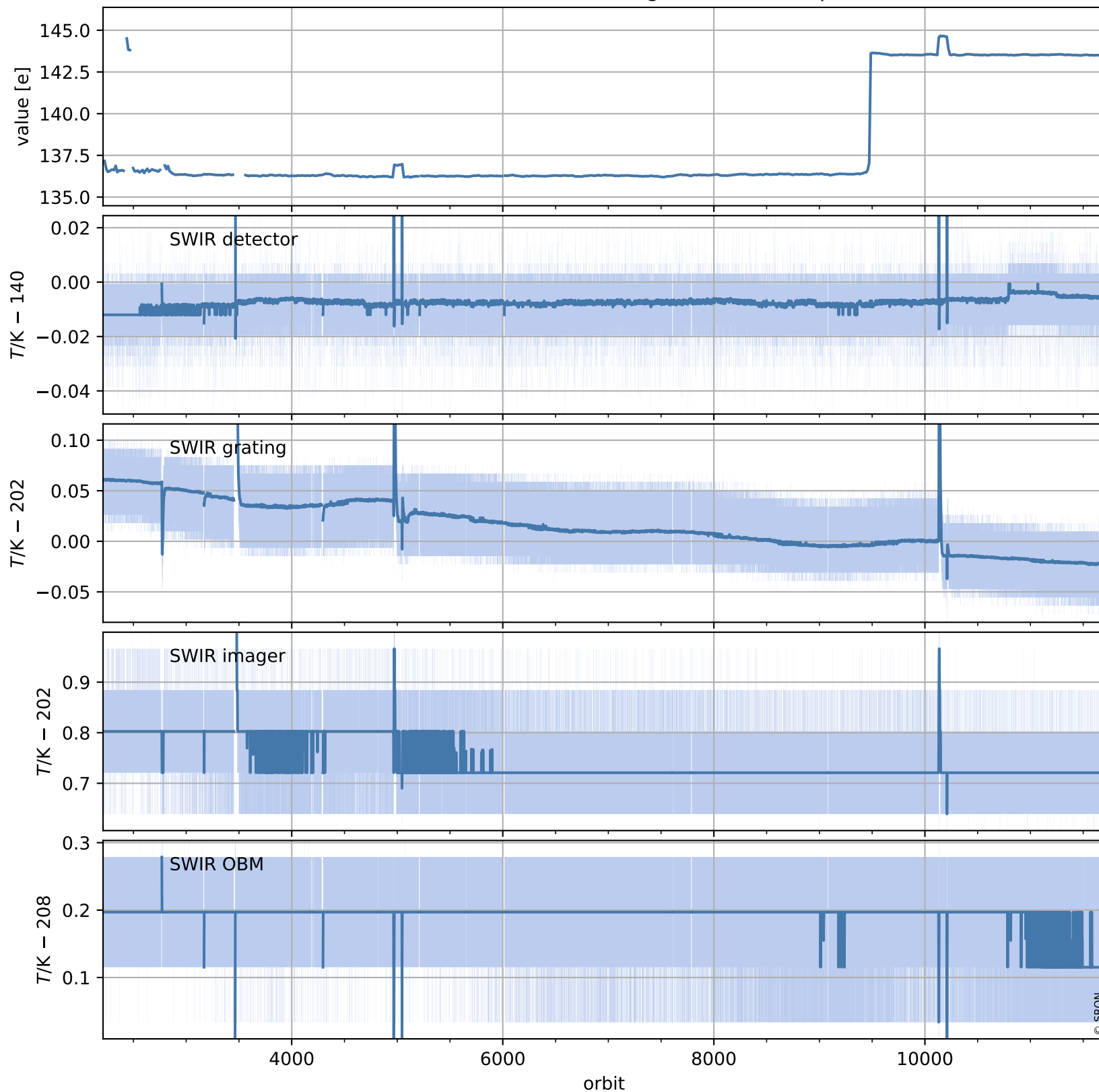
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11707]  
coverage : 2018-03-18 / 2020-01-15  
created : 2023-08-21T15:21:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11707]  
coverage : 2018-03-18 / 2020-01-15  
created : 2023-08-21T15:21:33

## trend of normalized read-noise & temperatures

