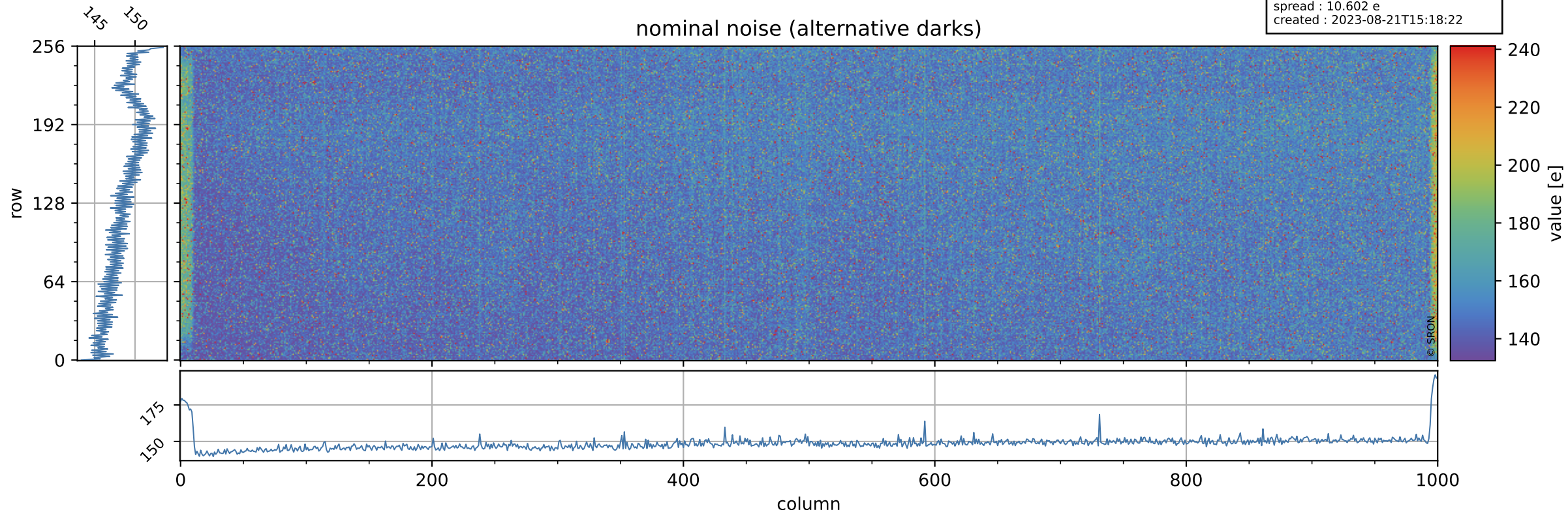


# Tropomi SWIR background noise (swir)

orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.602 e  
created : 2023-08-21T15:18:22

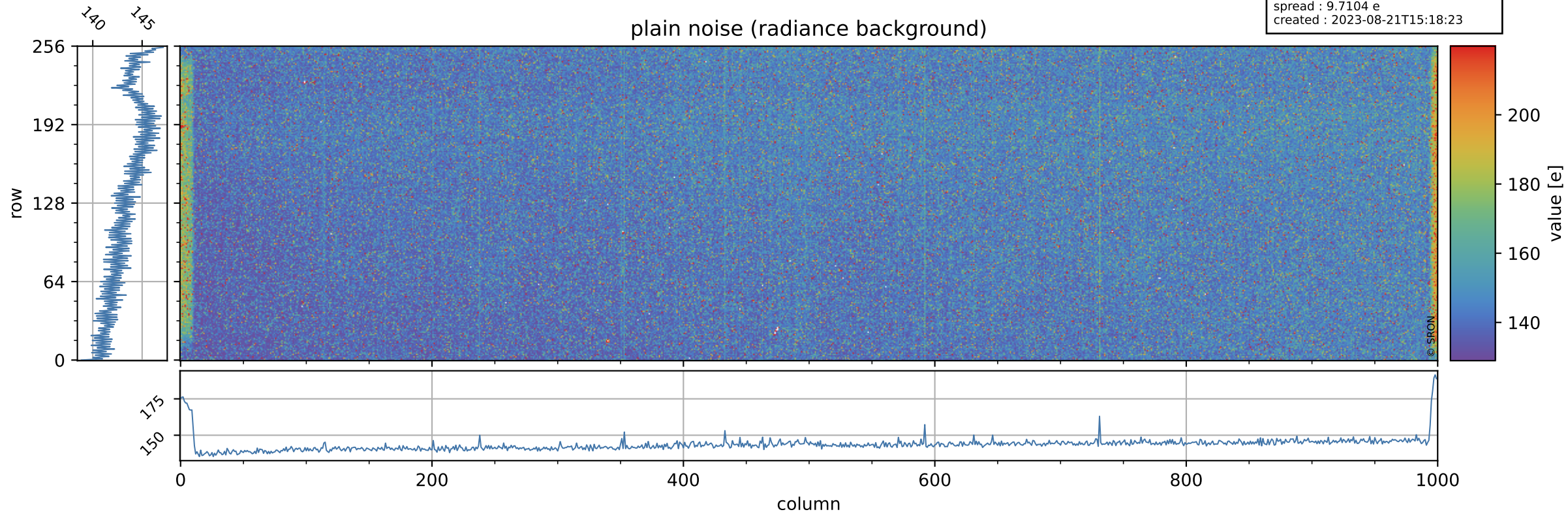
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7104 e  
created : 2023-08-21T15:18:23

## plain noise (radiance background)

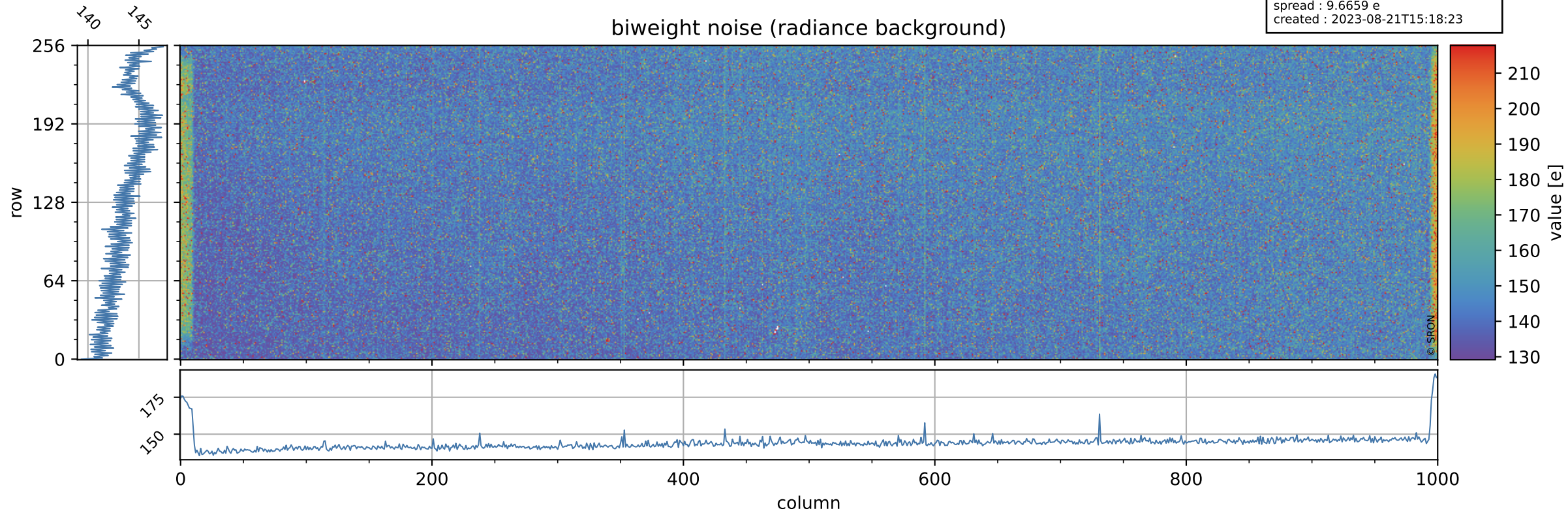




# Tropomi SWIR background noise (swir)

orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6659 e  
created : 2023-08-21T15:18:23

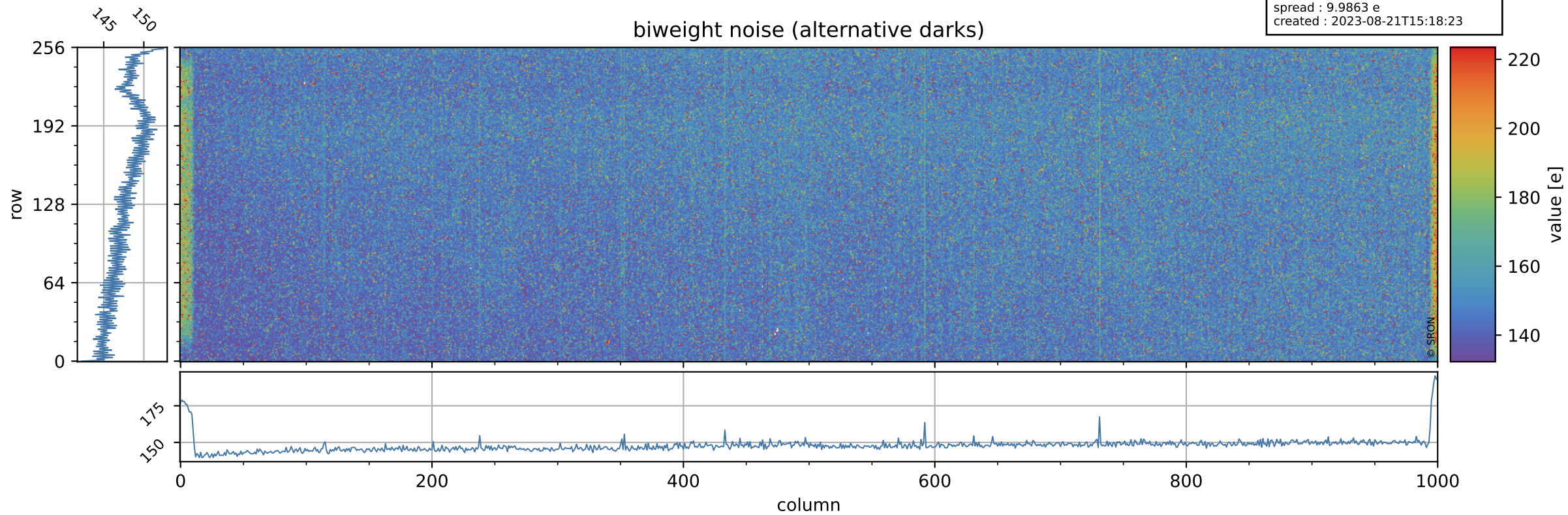
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 9.9863 e  
created : 2023-08-21T15:18:23

## biweight noise (alternative darks)

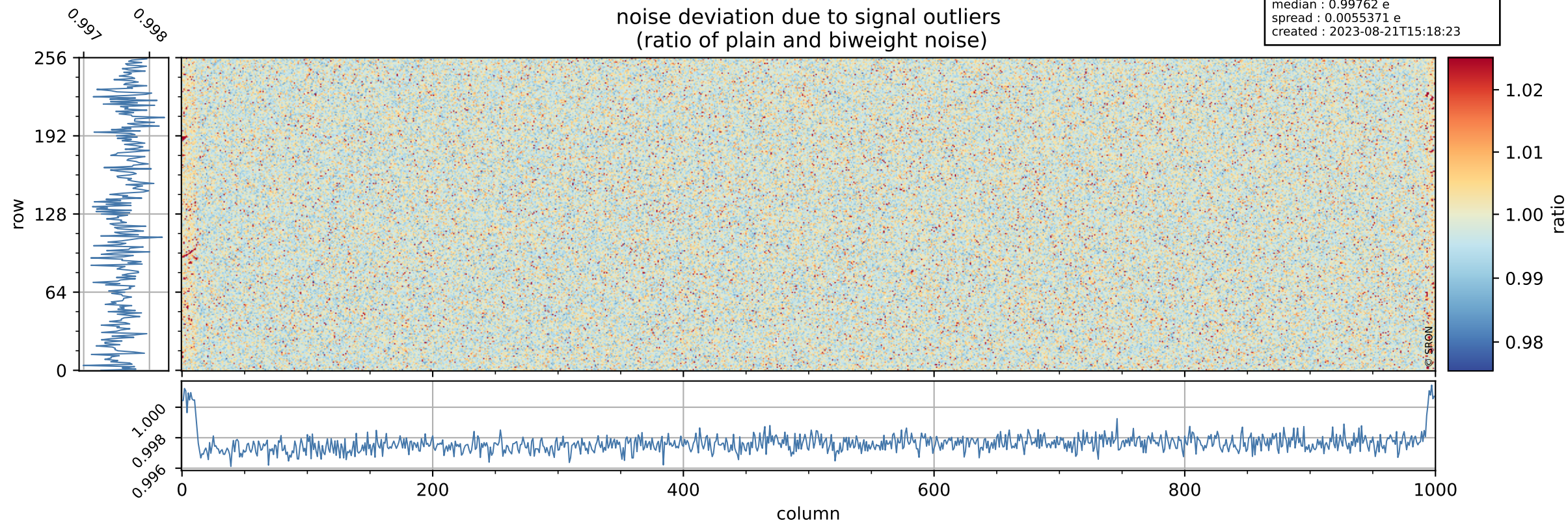




# Tropomi SWIR background noise (swir)

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

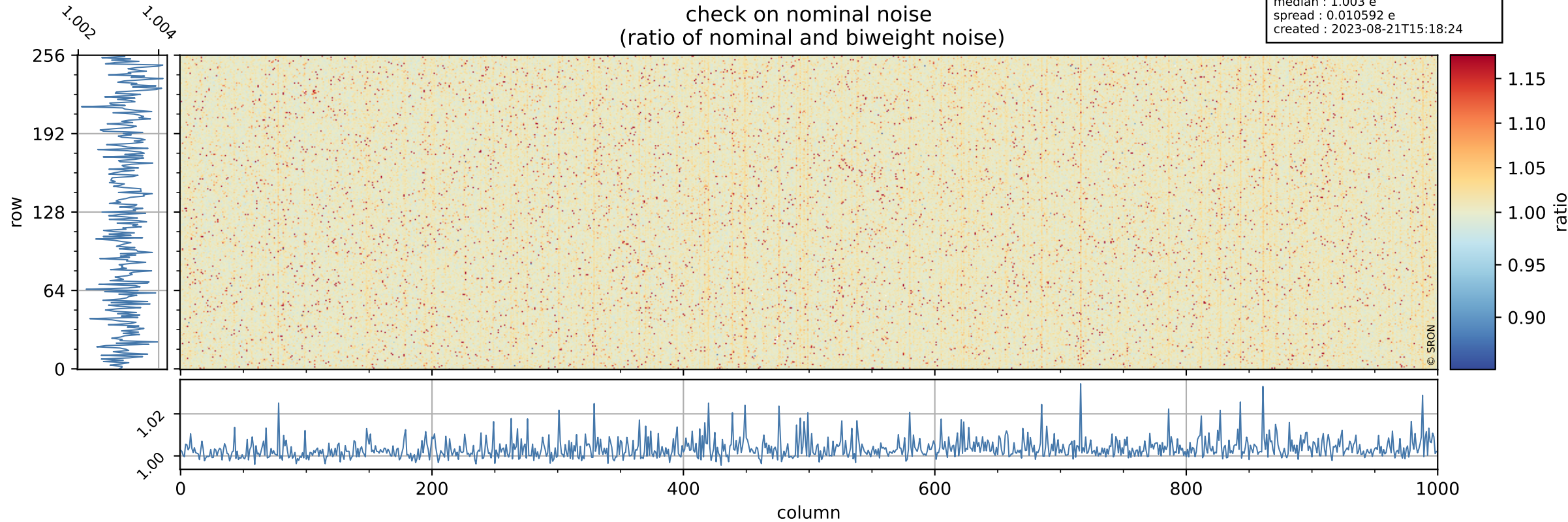
orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
median : 0.99762 e  
spread : 0.0055371 e  
created : 2023-08-21T15:18:23



# Tropomi SWIR background noise (swir)

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

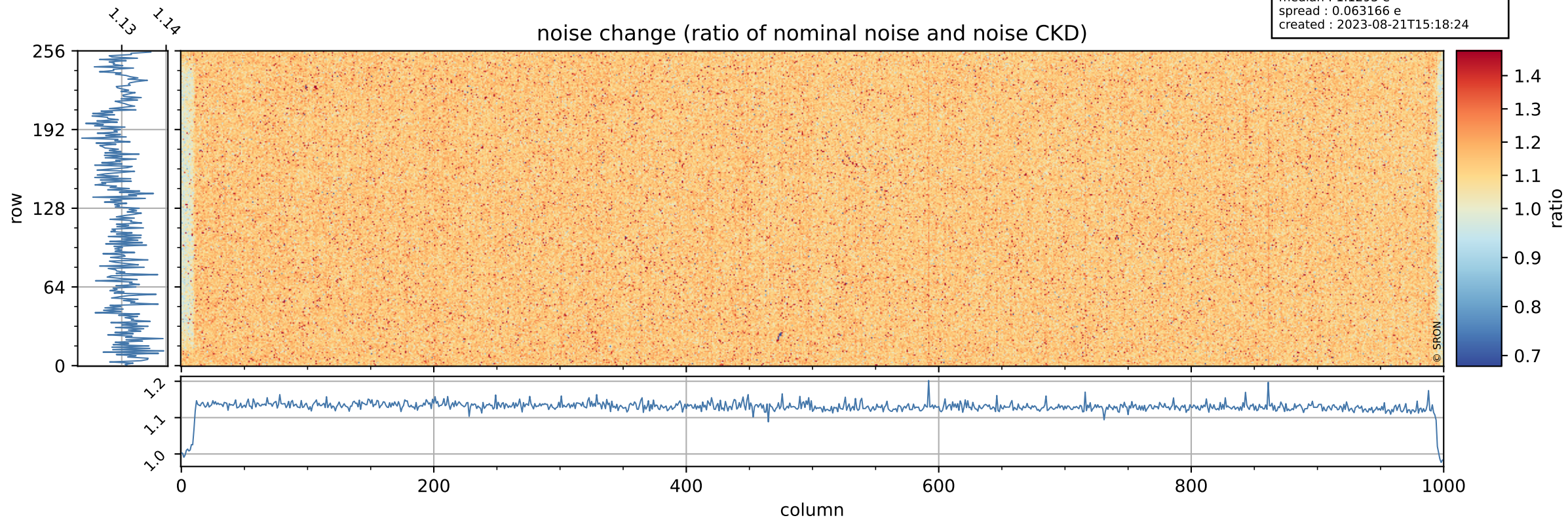
orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
median : 1.003 e  
spread : 0.010592 e  
created : 2023-08-21T15:18:24





# Tropomi SWIR background noise (swir)

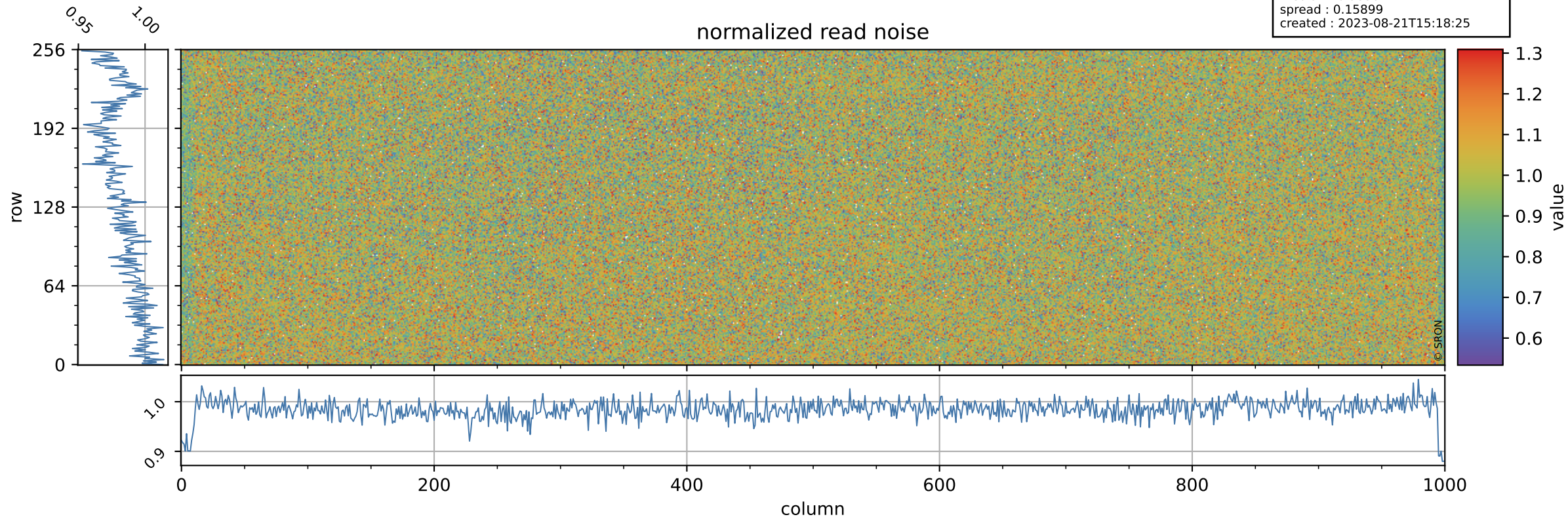
orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
median : 1.1293 e  
spread : 0.063166 e  
created : 2023-08-21T15:18:24





# Tropomi SWIR background noise (swir)

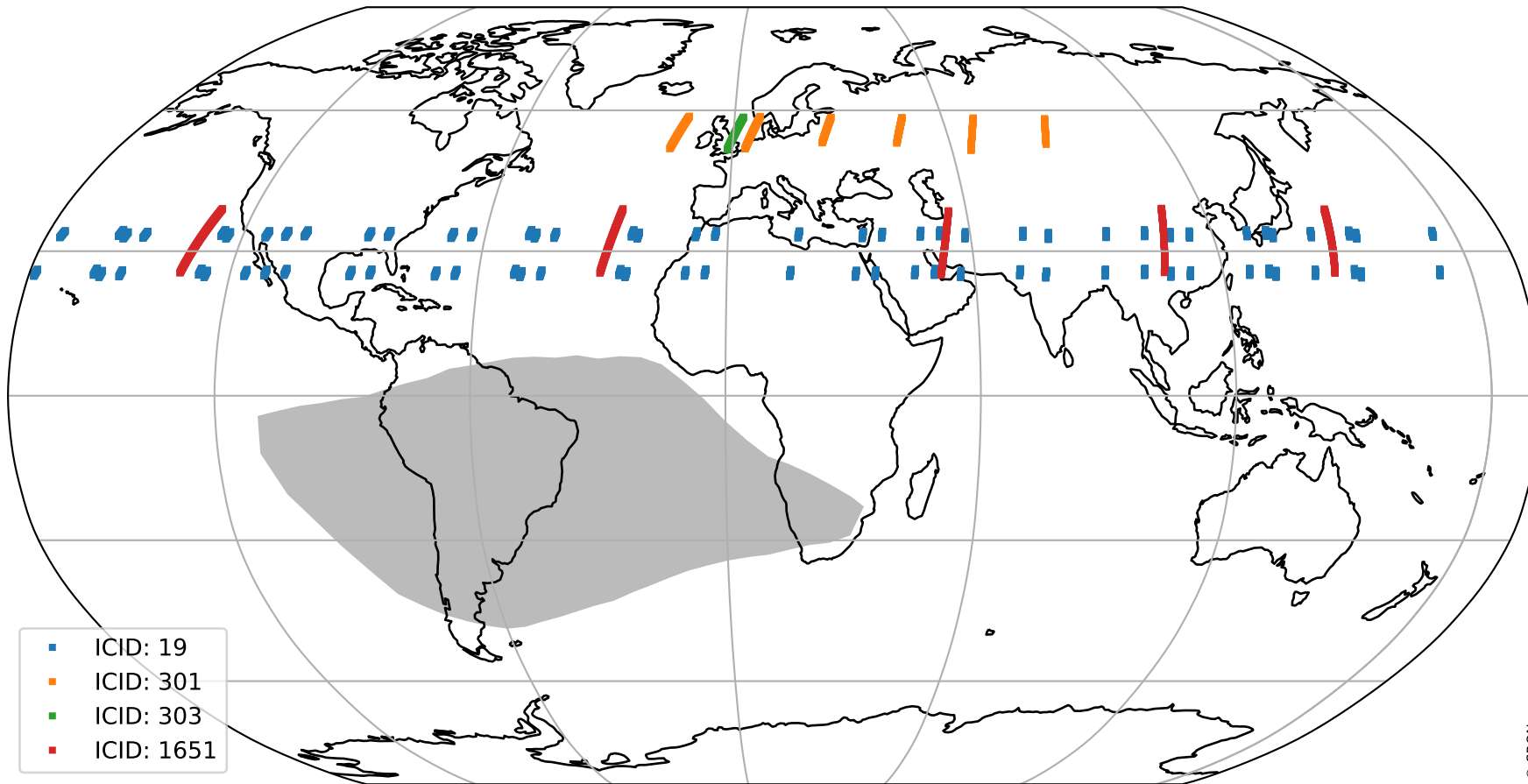
orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
median : 0.98304  
spread : 0.15899  
created : 2023-08-21T15:18:25





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

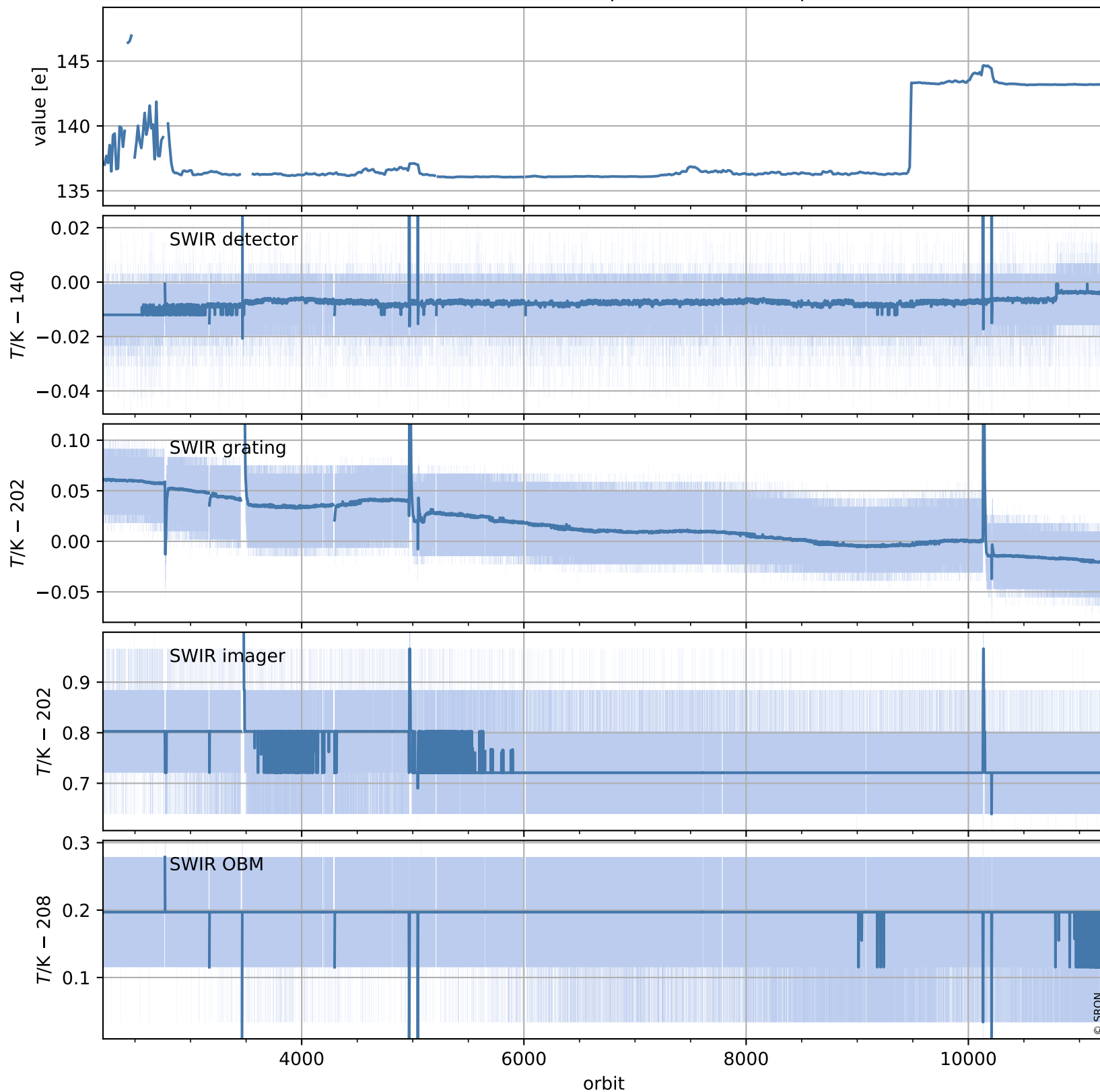
orbits : 12 in [11137, 11227]  
coverage : 2019-12-07 / 2019-12-13  
created : 2023-08-21T15:18:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 11227]  
coverage : 2018-03-18 / 2019-12-13  
created : 2023-08-21T15:18:25

## trend of detector median of plain noise & temperatures

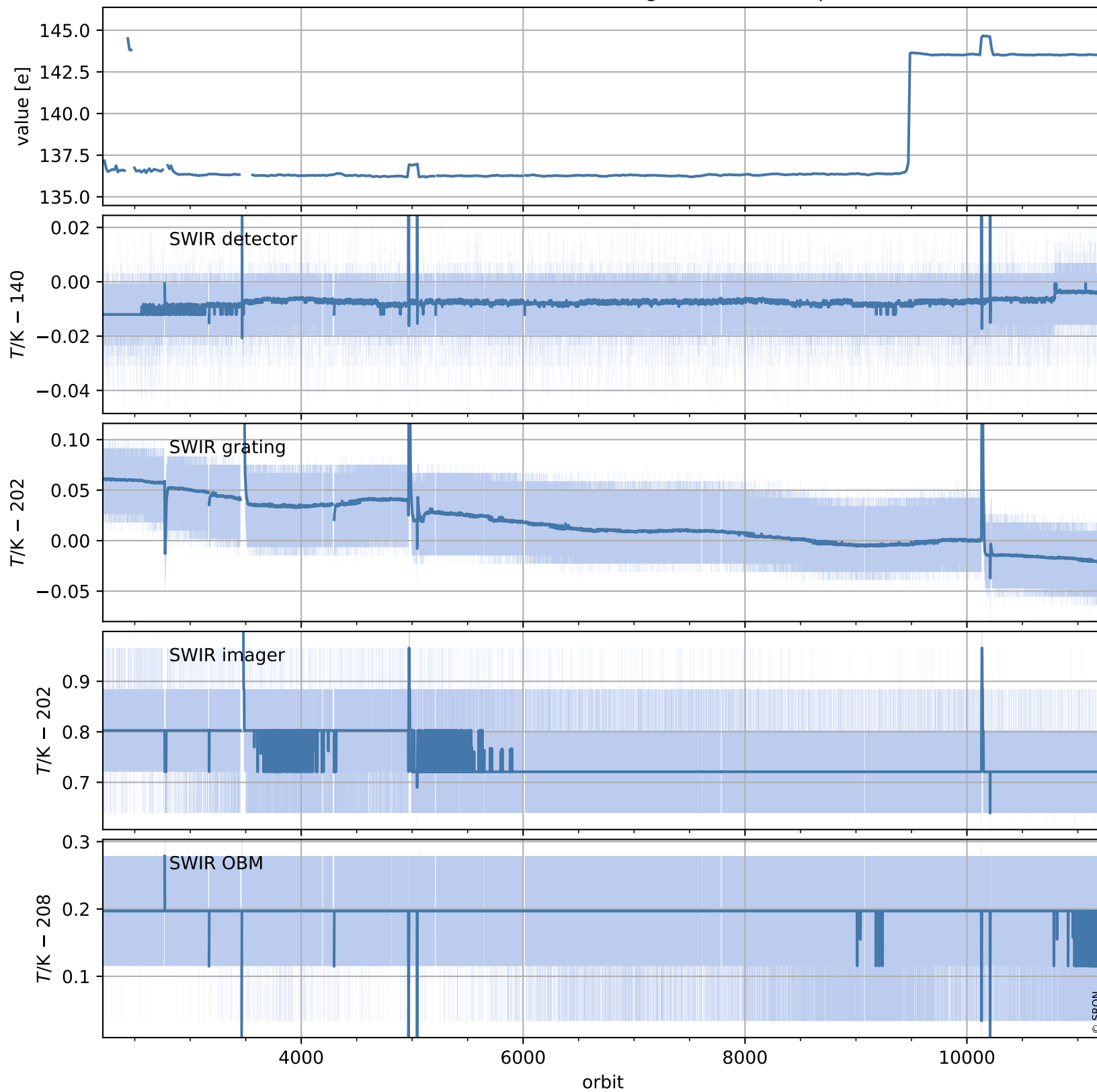




# Tropomi SWIR background noise (swir)

orbits : [2212, 11227]  
coverage : 2018-03-18 / 2019-12-13  
created : 2023-08-21T15:18:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11227]  
coverage : 2018-03-18 / 2019-12-13  
created : 2023-08-21T15:18:27

## trend of normalized read-noise & temperatures

