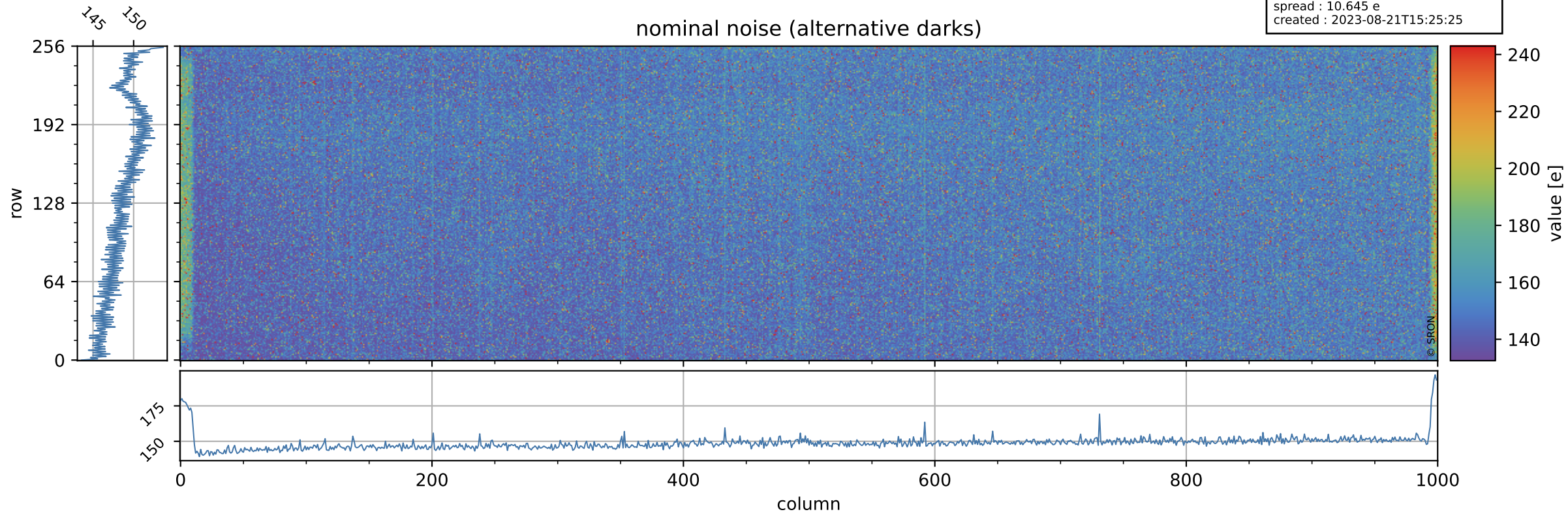


# Tropomi SWIR background noise (swir)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.645 e  
created : 2023-08-21T15:25:25

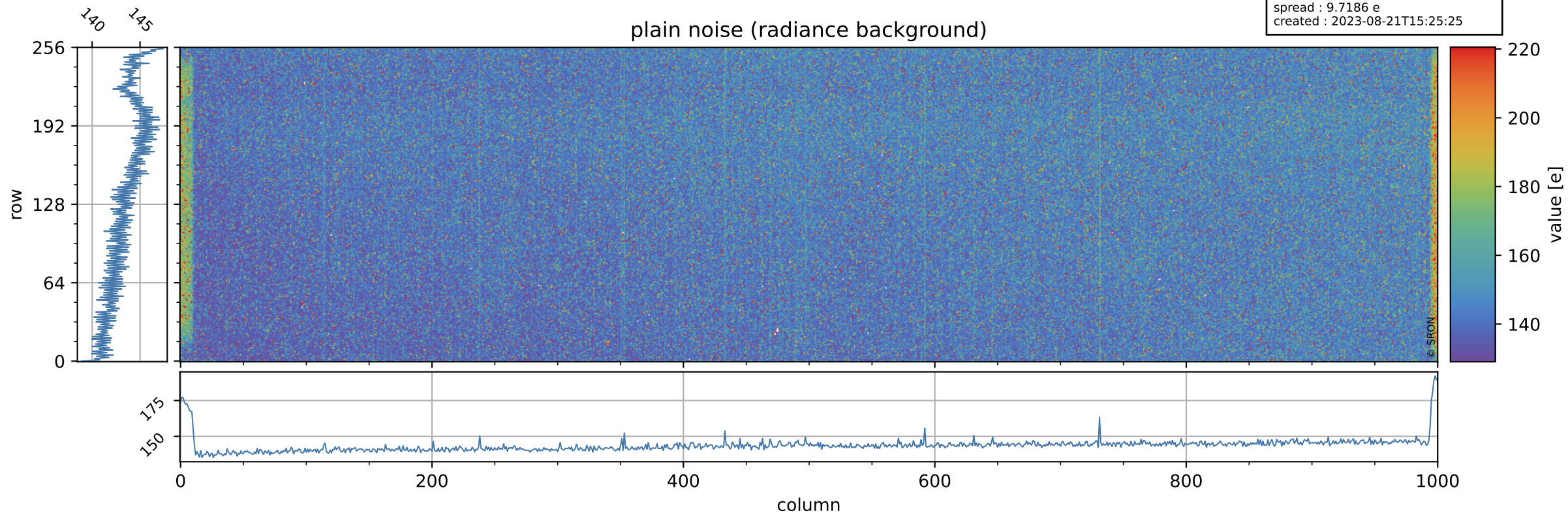
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.38 e  
spread : 9.7186 e  
created : 2023-08-21T15:25:25

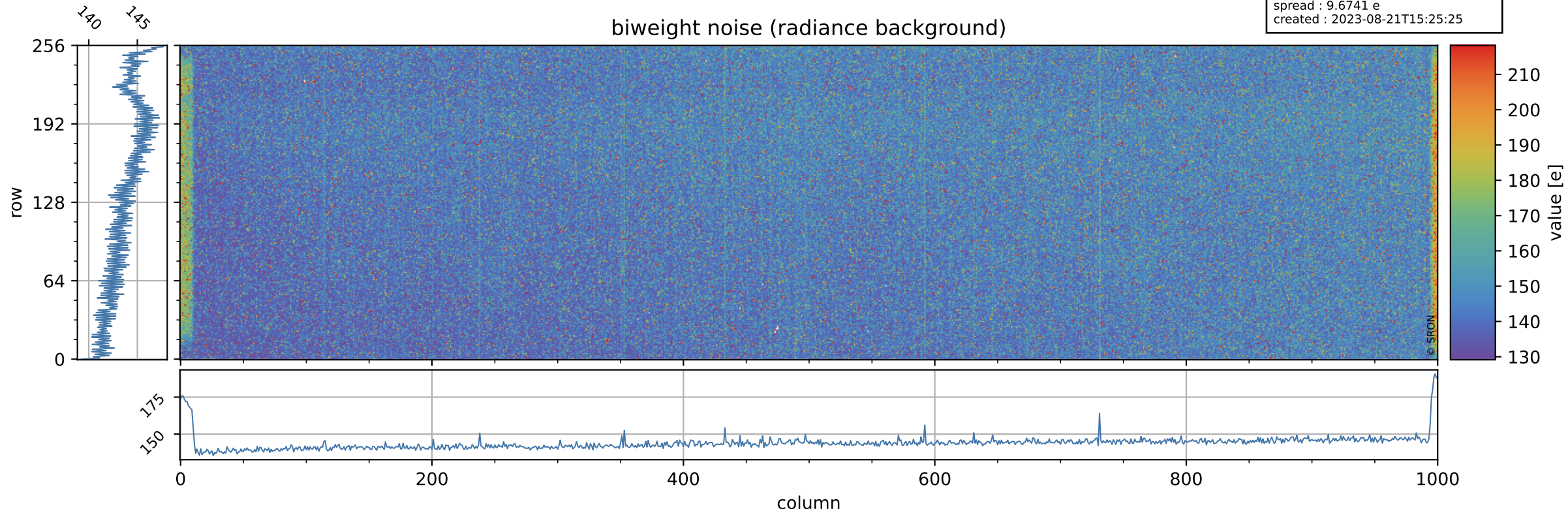
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6741 e  
created : 2023-08-21T15:25:25

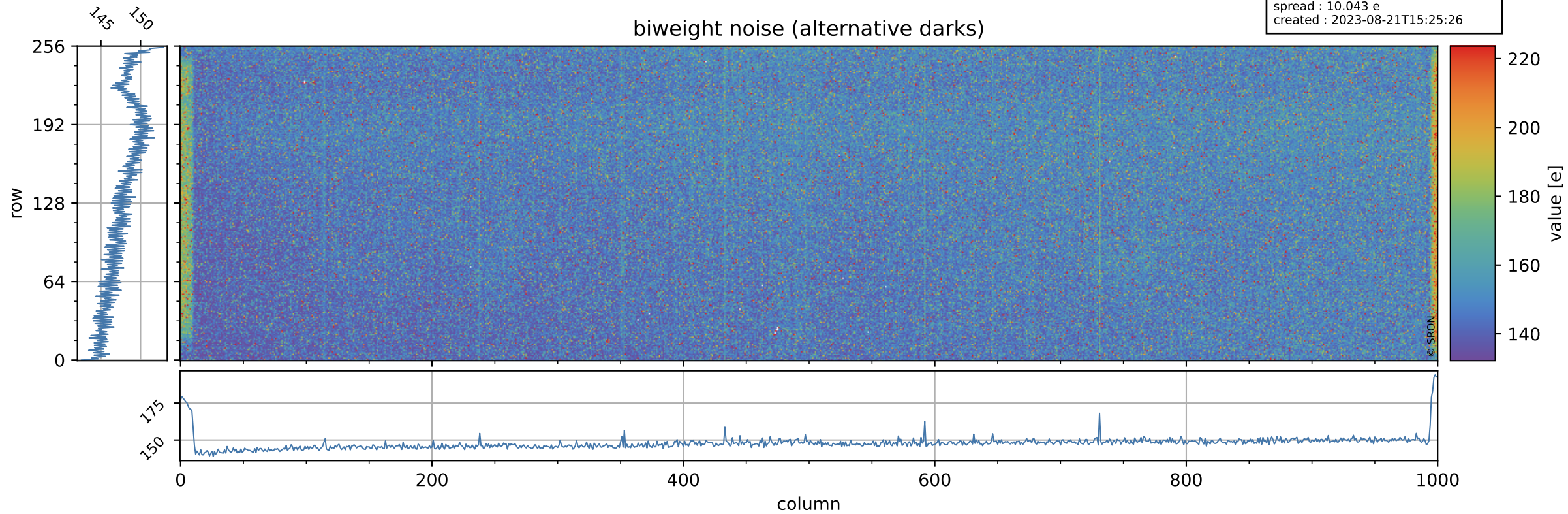
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.043 e  
created : 2023-08-21T15:25:26

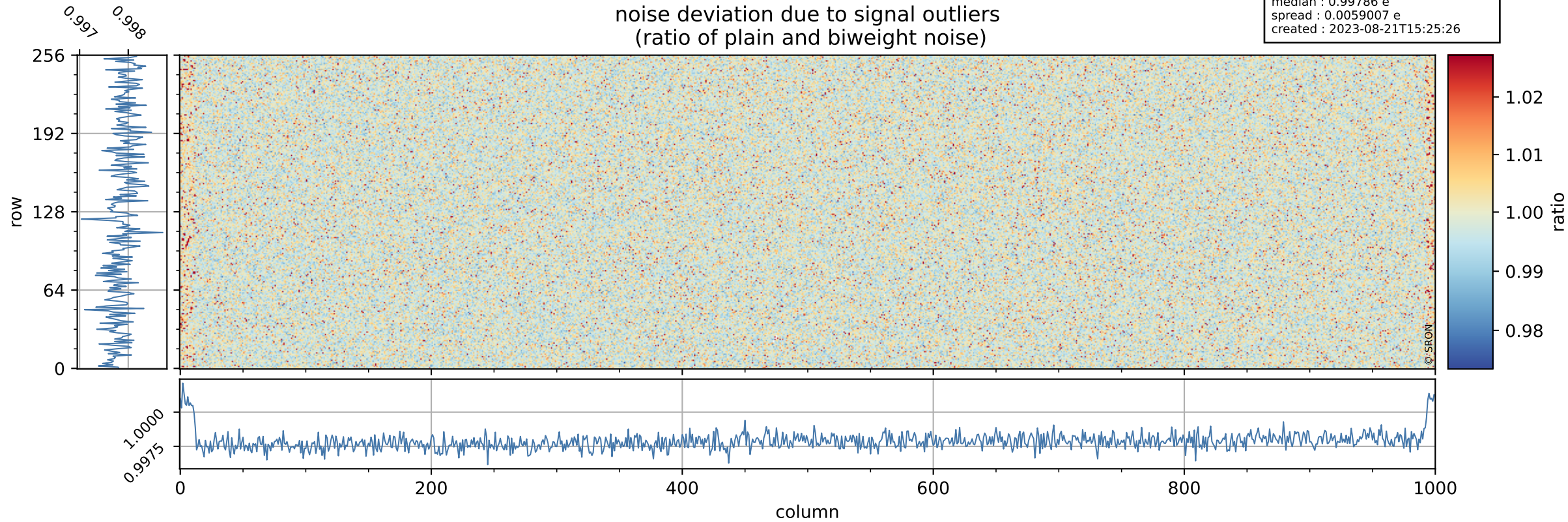
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

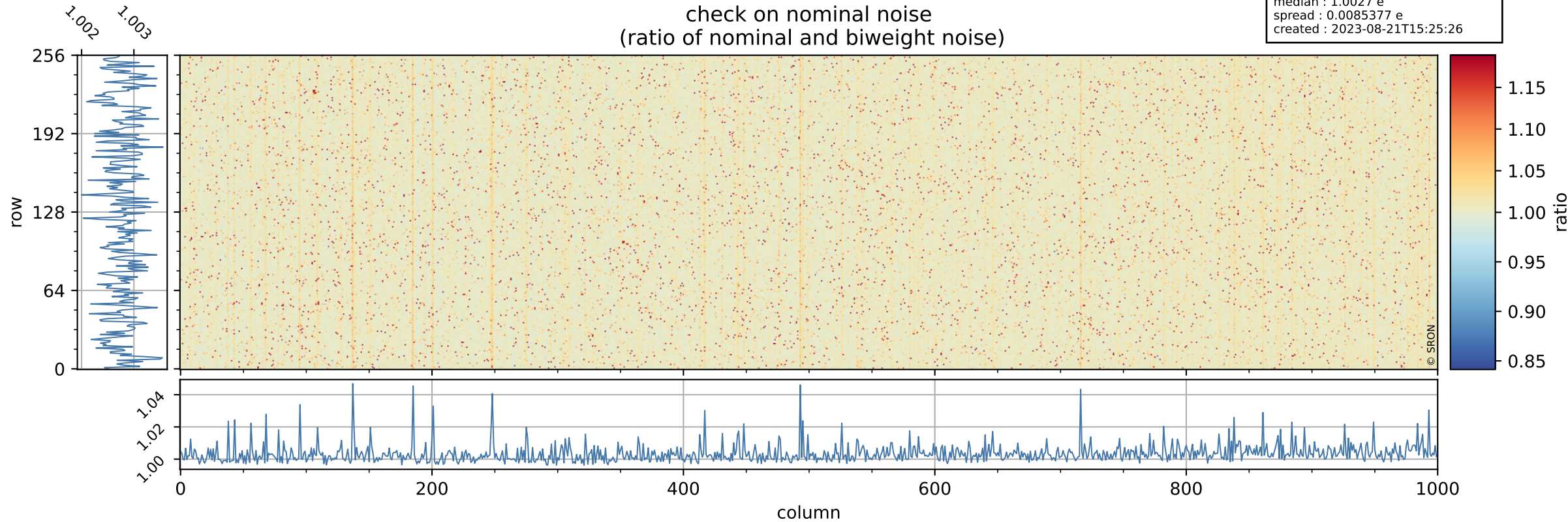
orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
median : 0.99786 e  
spread : 0.0059007 e  
created : 2023-08-21T15:25:26



# Tropomi SWIR background noise (swir)

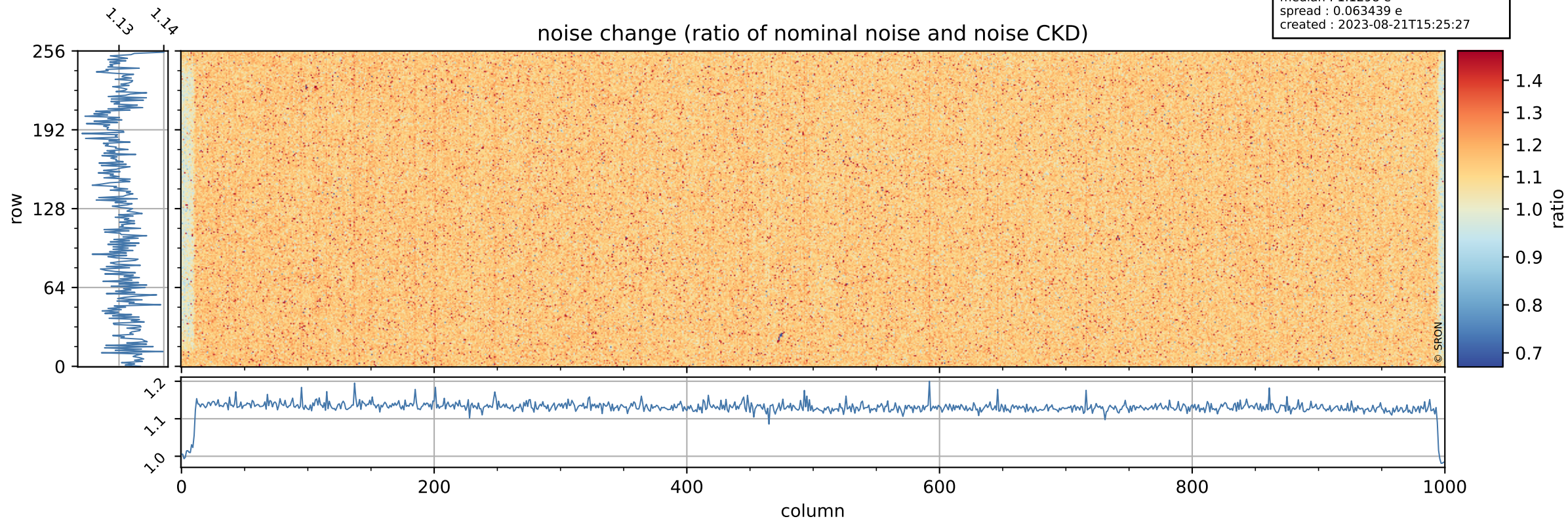
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
median : 1.0027 e  
spread : 0.0085377 e  
created : 2023-08-21T15:25:26



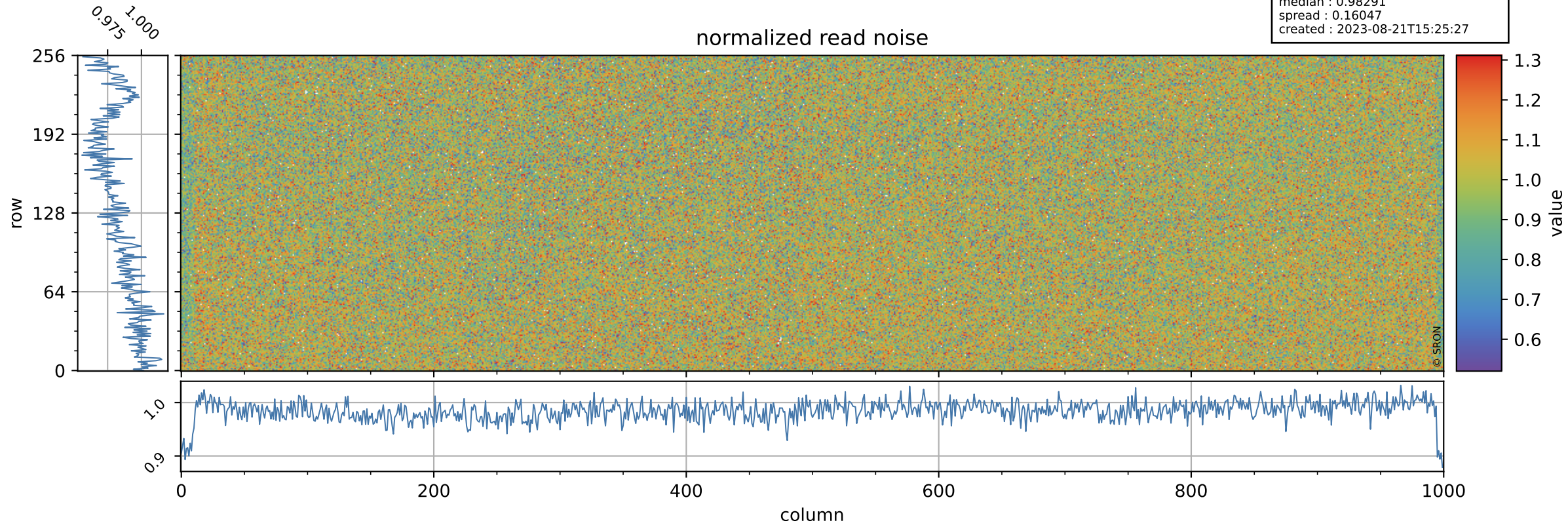
# Tropomi SWIR background noise (swir)

orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
median : 1.1298 e  
spread : 0.063439 e  
created : 2023-08-21T15:25:27



# Tropomi SWIR background noise (swir)

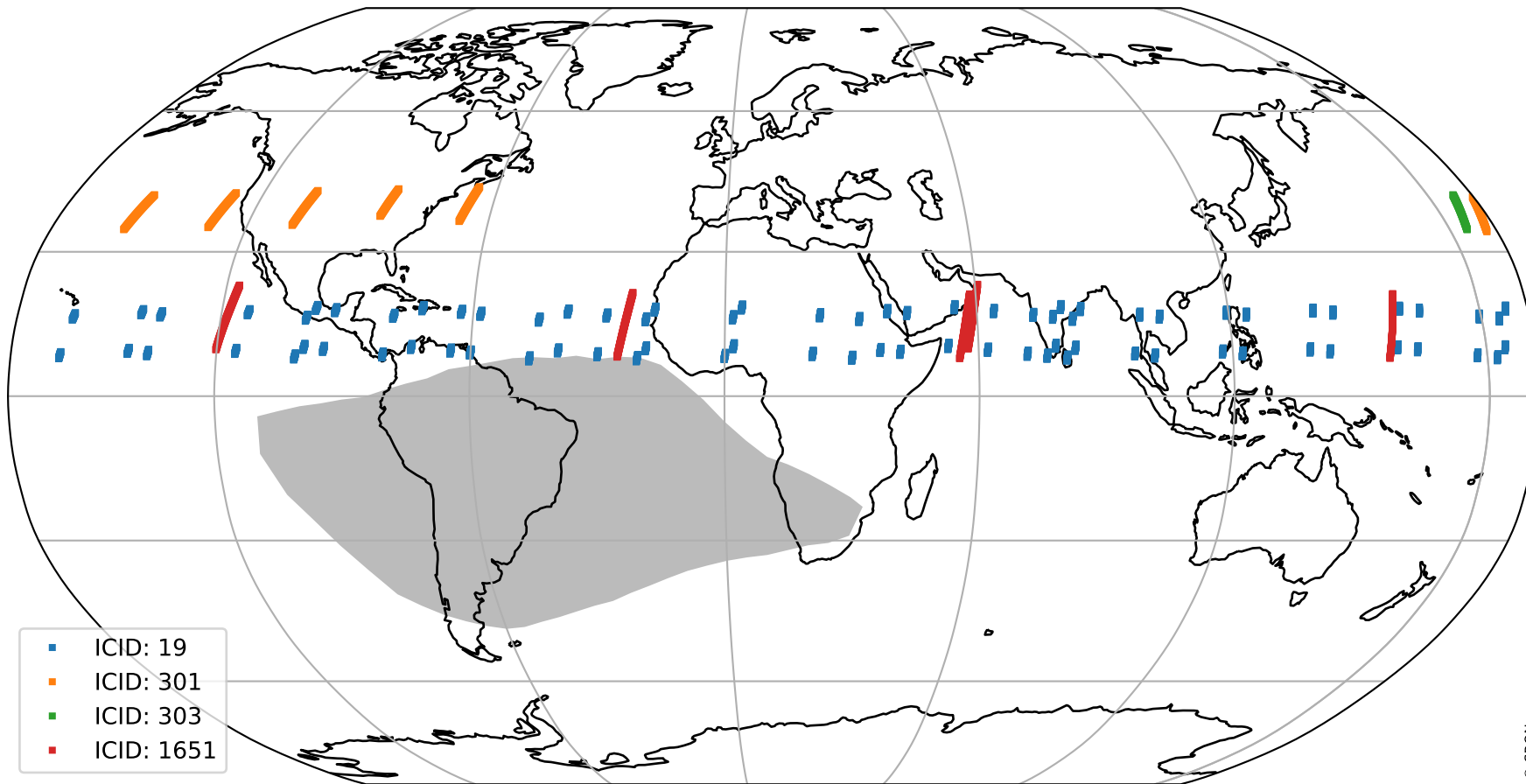
orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
median : 0.98291  
spread : 0.16047  
created : 2023-08-21T15:25:27





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

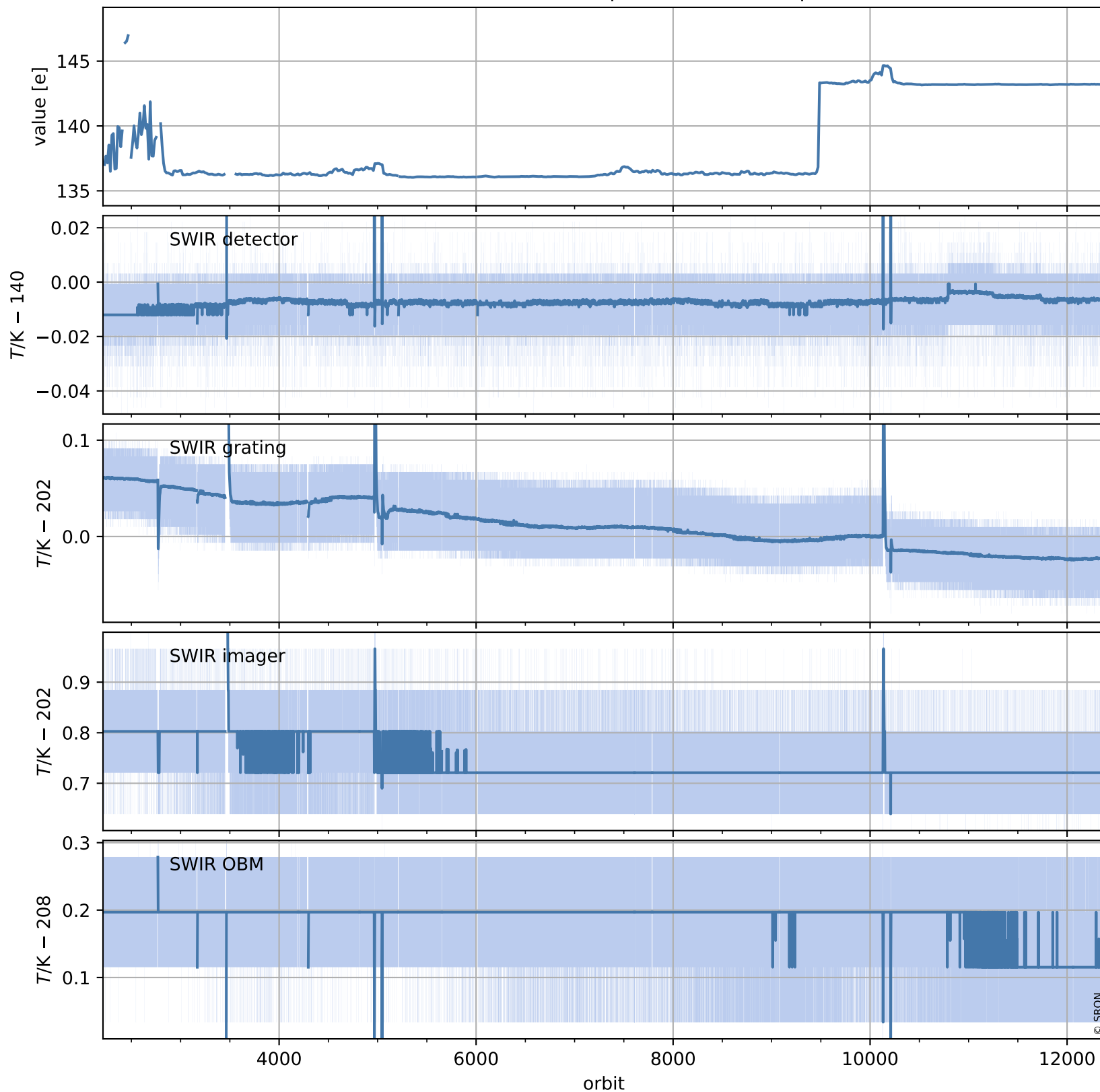
orbits : 12 in [12292, 12382]  
coverage : 2020-02-27 / 2020-03-03  
created : 2023-08-21T15:25:27



# Tropomi SWIR background noise (swir)

orbits : [2212, 12382]  
coverage : 2018-03-18 / 2020-03-03  
created : 2023-08-21T15:25:27

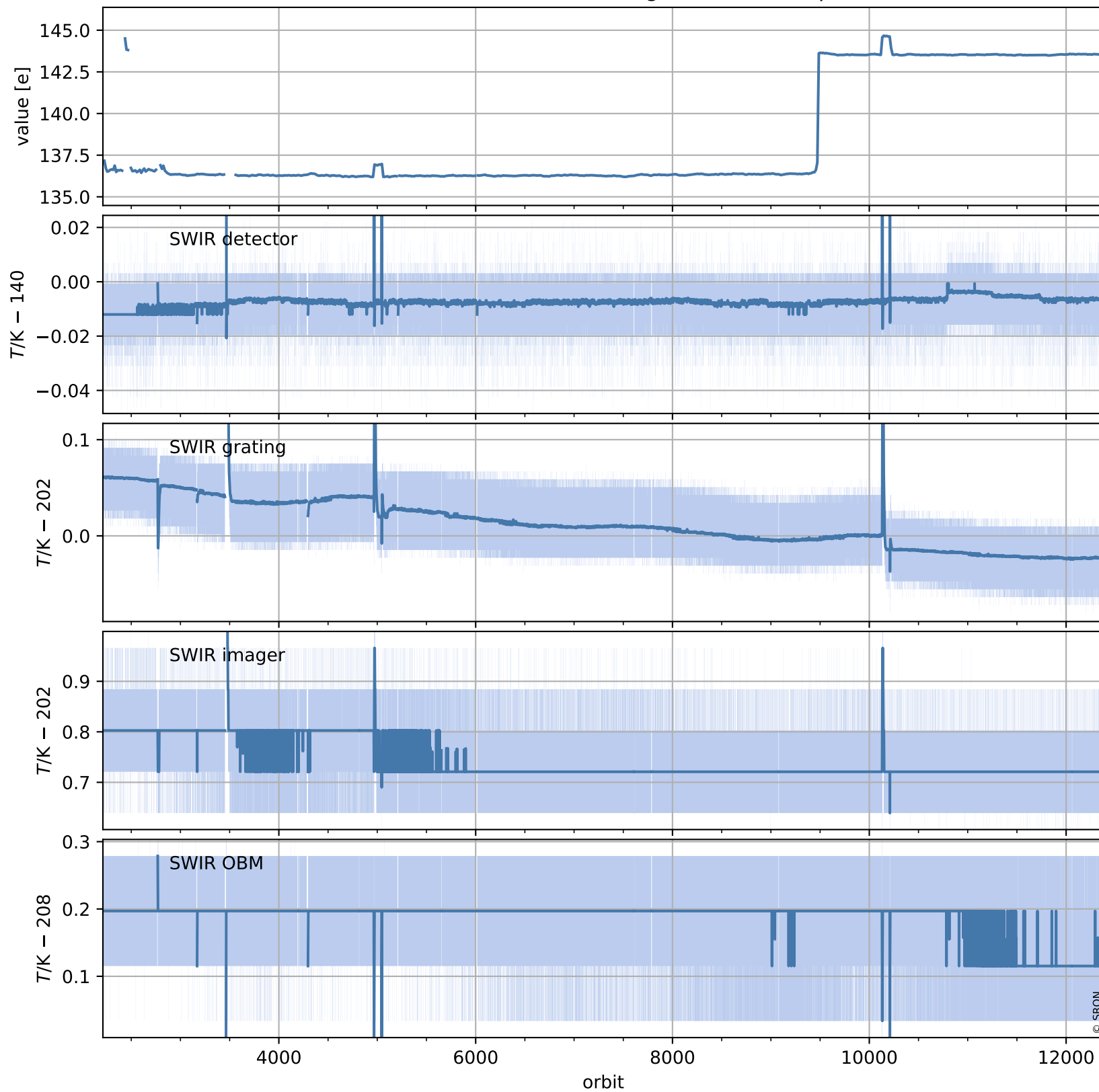
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12382]  
coverage : 2018-03-18 / 2020-03-03  
created : 2023-08-21T15:25:28

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12382]  
coverage : 2018-03-18 / 2020-03-03  
created : 2023-08-21T15:25:29

## trend of normalized read-noise & temperatures

