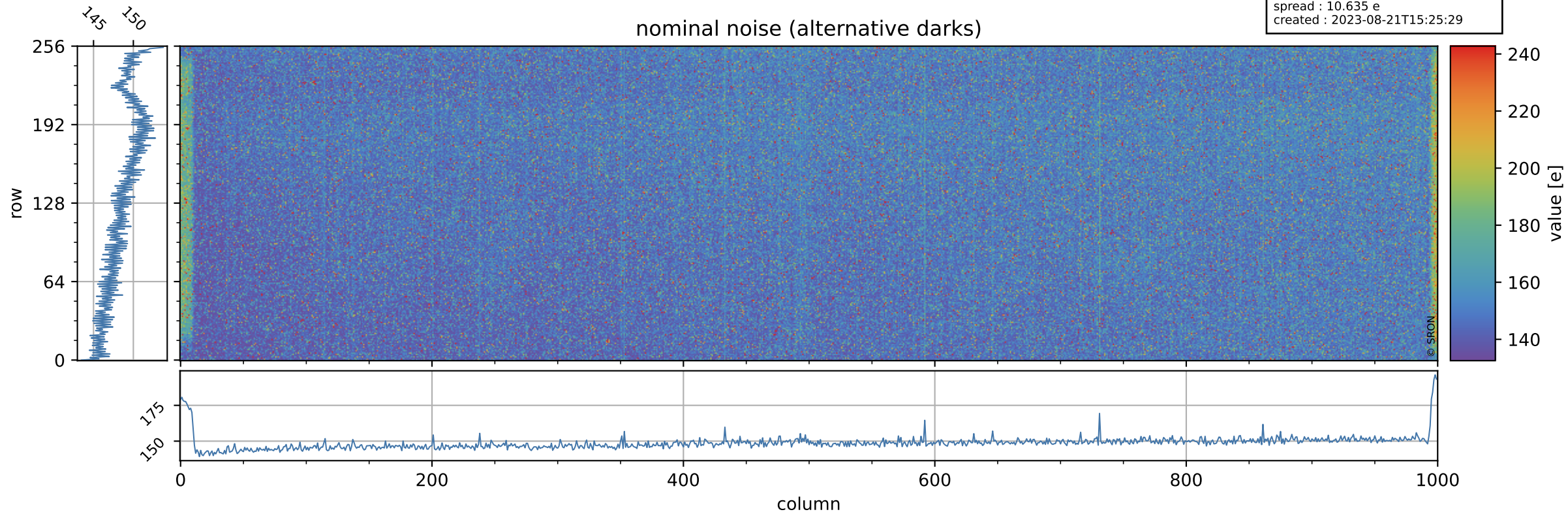


# Tropomi SWIR background noise (swir)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.55 e  
spread : 10.635 e  
created : 2023-08-21T15:25:29

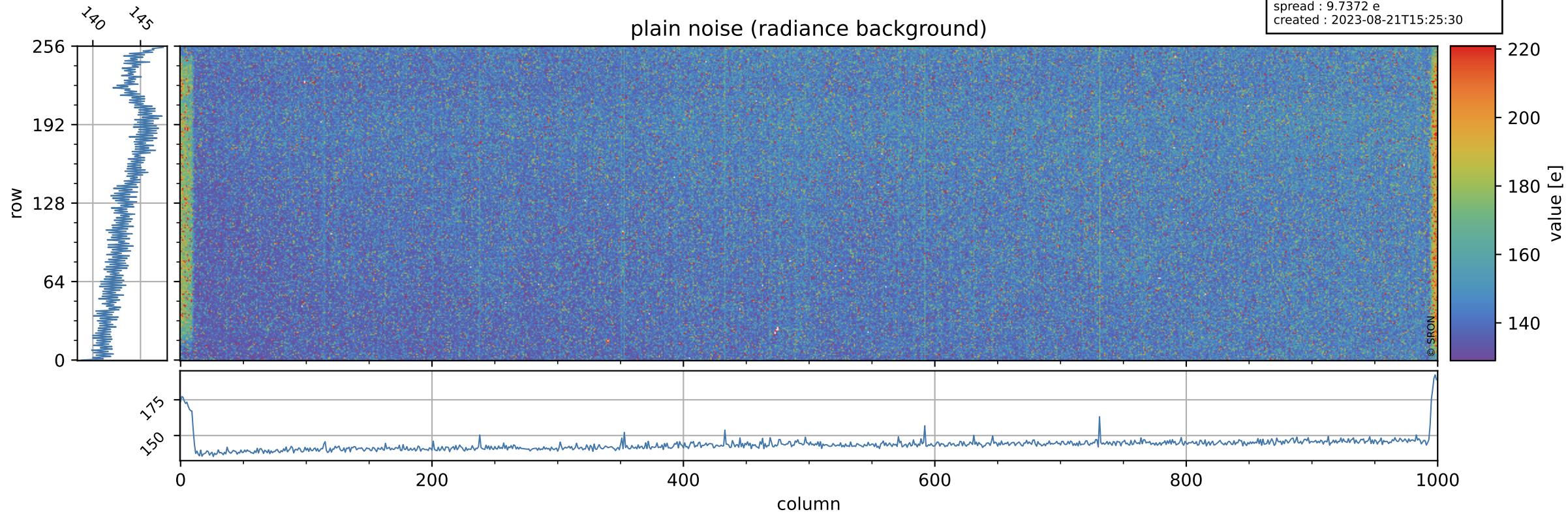
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.7372 e  
created : 2023-08-21T15:25:30

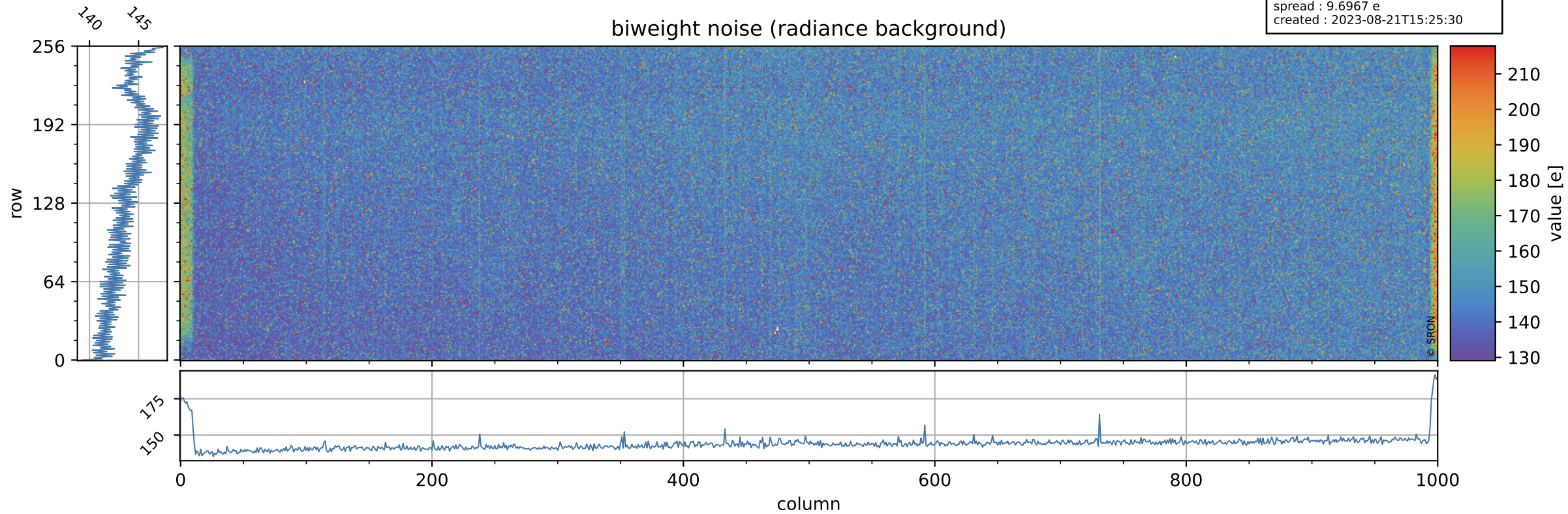
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6967 e  
created : 2023-08-21T15:25:30

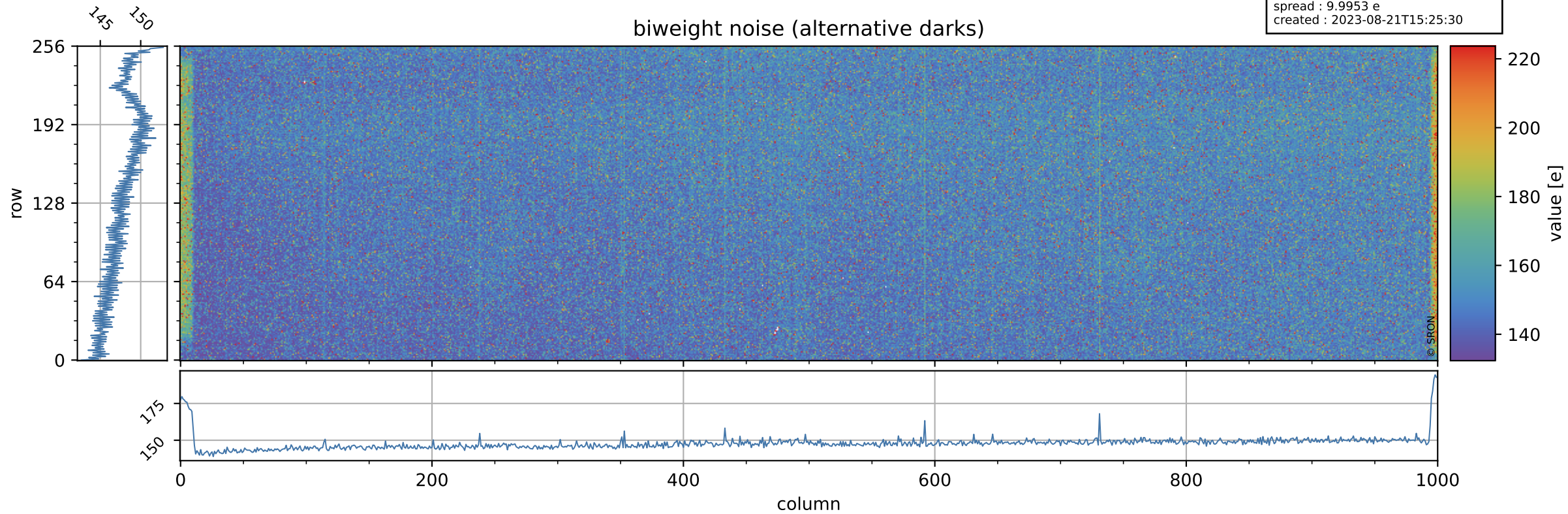
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 9.9953 e  
created : 2023-08-21T15:25:30

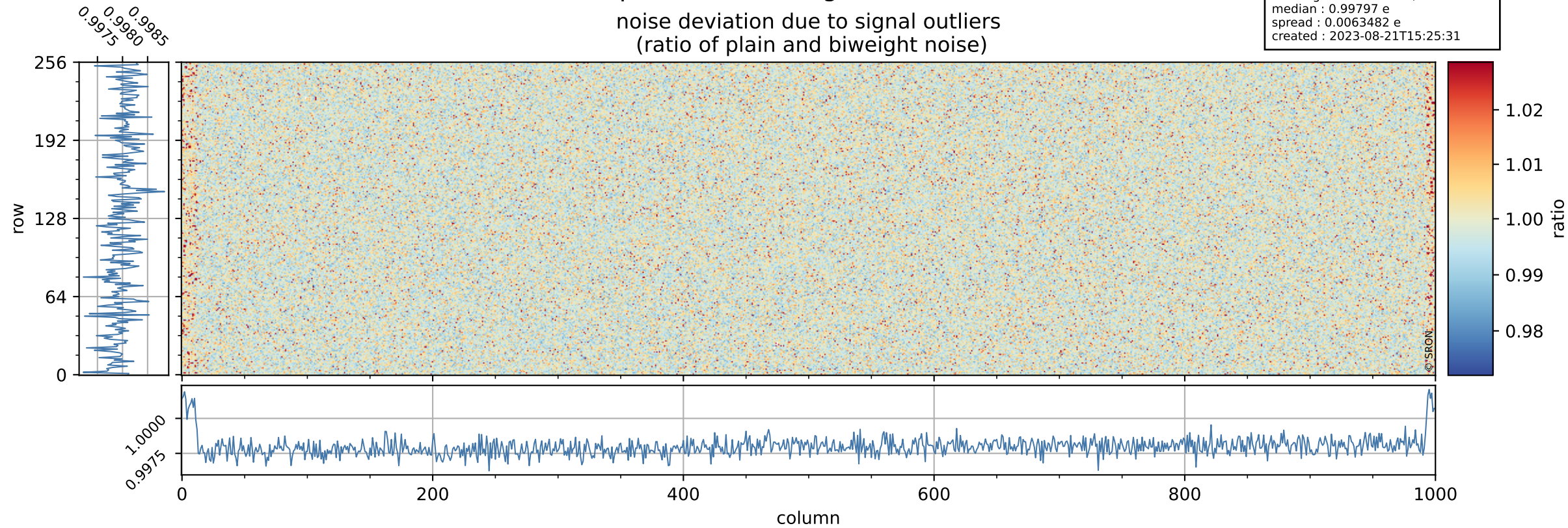
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

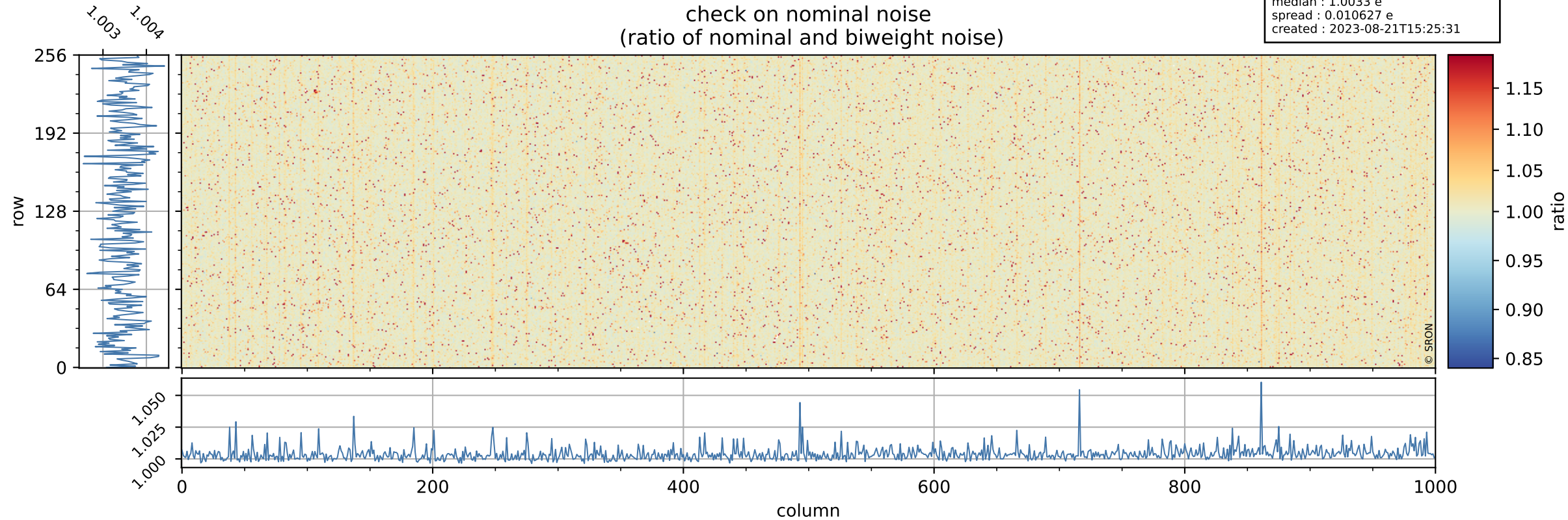
orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
median : 0.99797 e  
spread : 0.0063482 e  
created : 2023-08-21T15:25:31



# Tropomi SWIR background noise (swir)

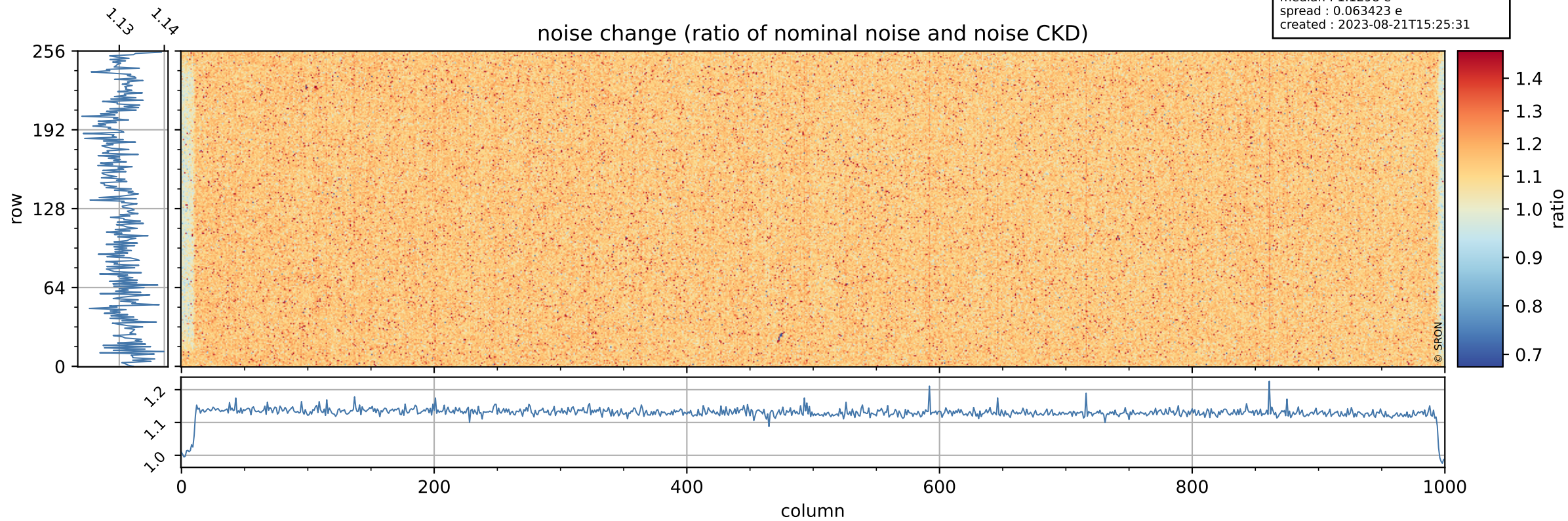
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
median : 1.0033 e  
spread : 0.010627 e  
created : 2023-08-21T15:25:31



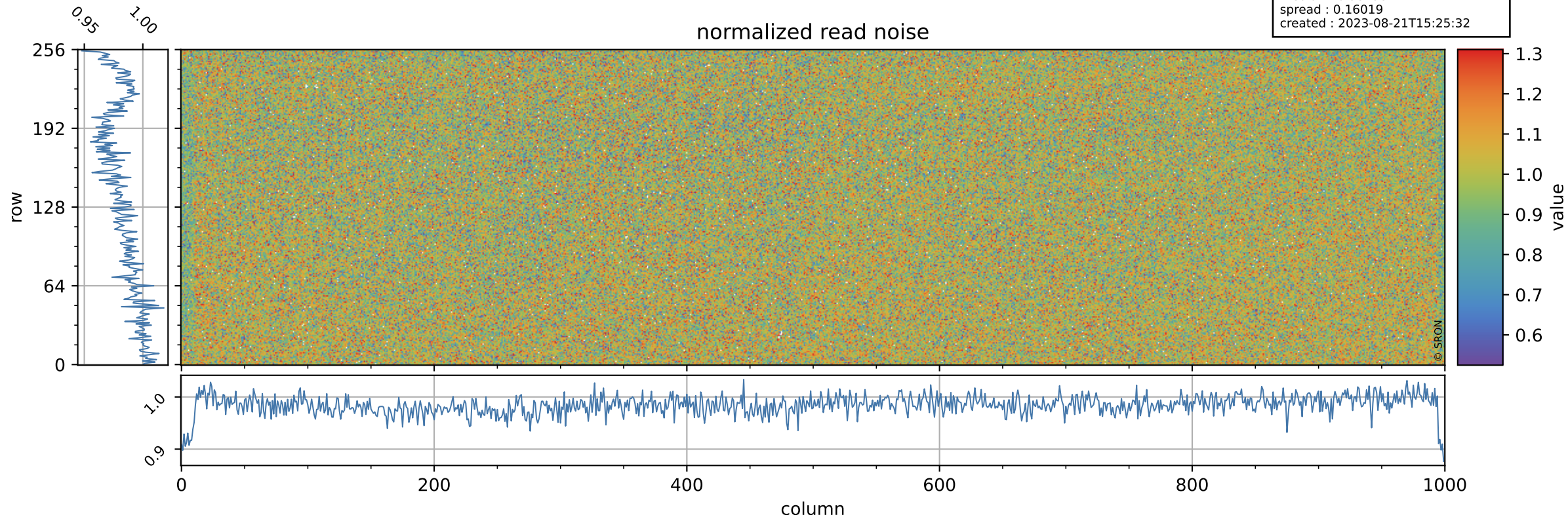
# Tropomi SWIR background noise (swir)

orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
median : 1.1298 e  
spread : 0.063423 e  
created : 2023-08-21T15:25:31



# Tropomi SWIR background noise (swir)

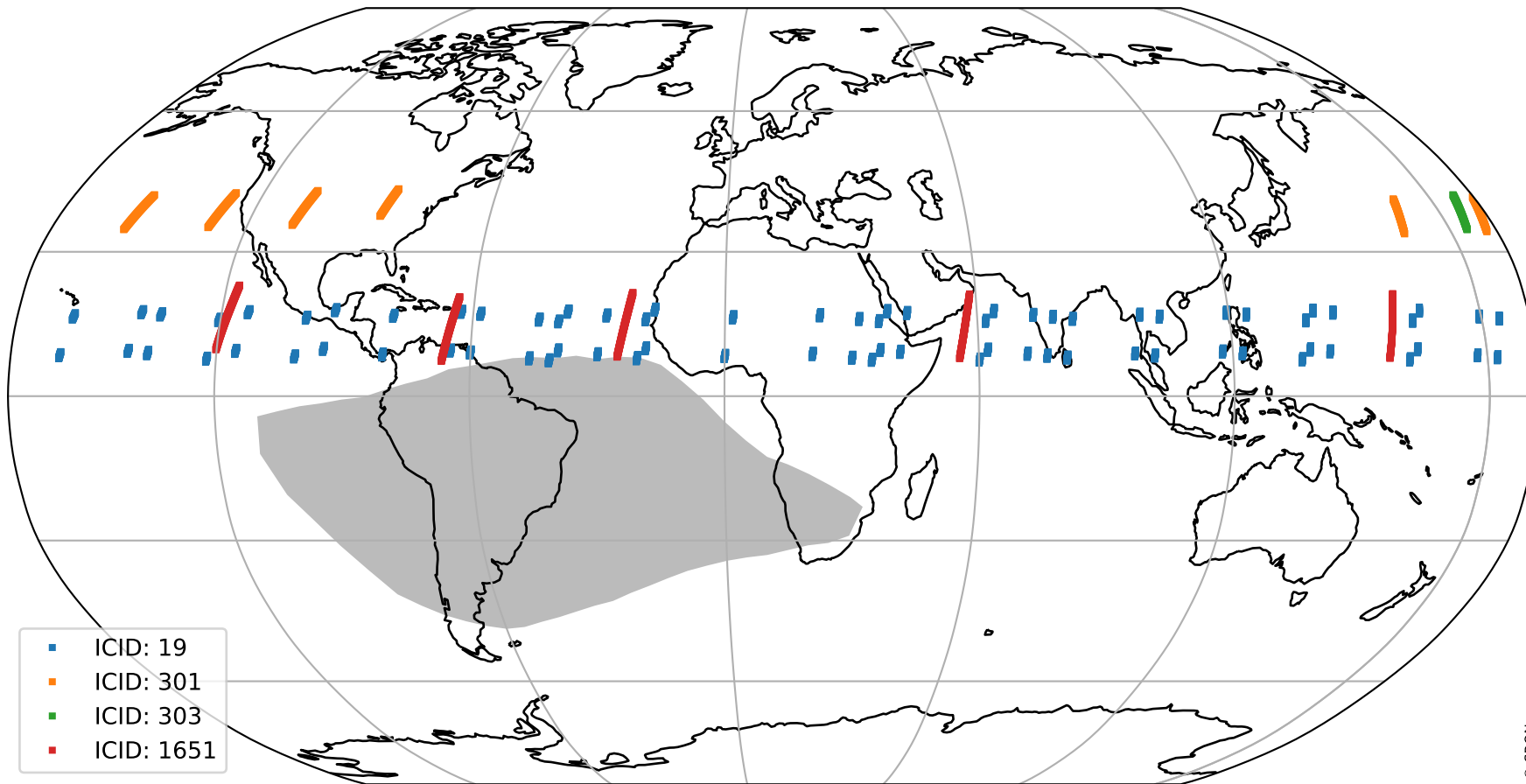
orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
median : 0.98298  
spread : 0.16019  
created : 2023-08-21T15:25:32





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

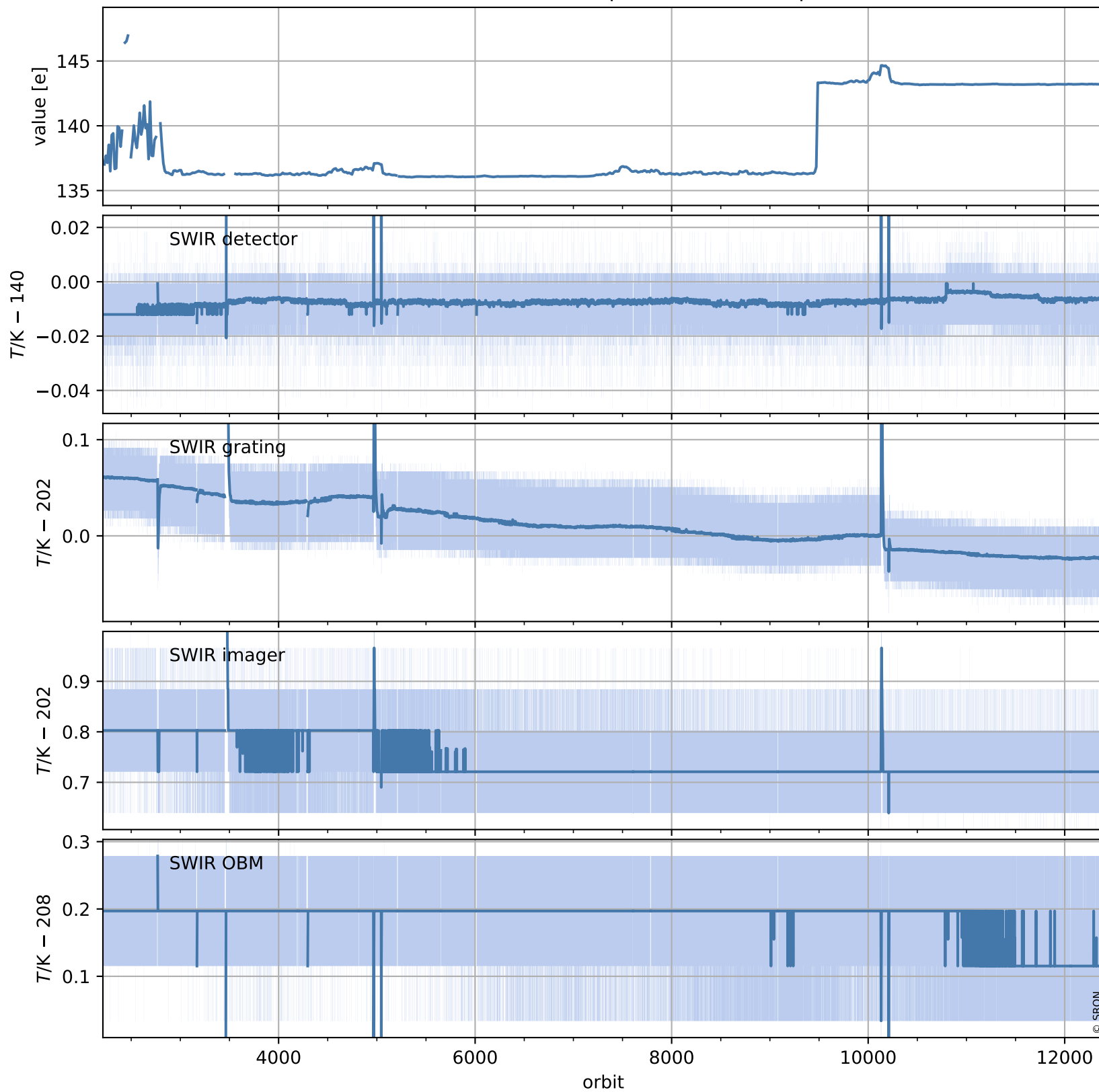
orbits : 12 in [12307, 12397]  
coverage : 2020-02-28 / 2020-03-05  
created : 2023-08-21T15:25:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 12397]  
coverage : 2018-03-18 / 2020-03-05  
created : 2023-08-21T15:25:32

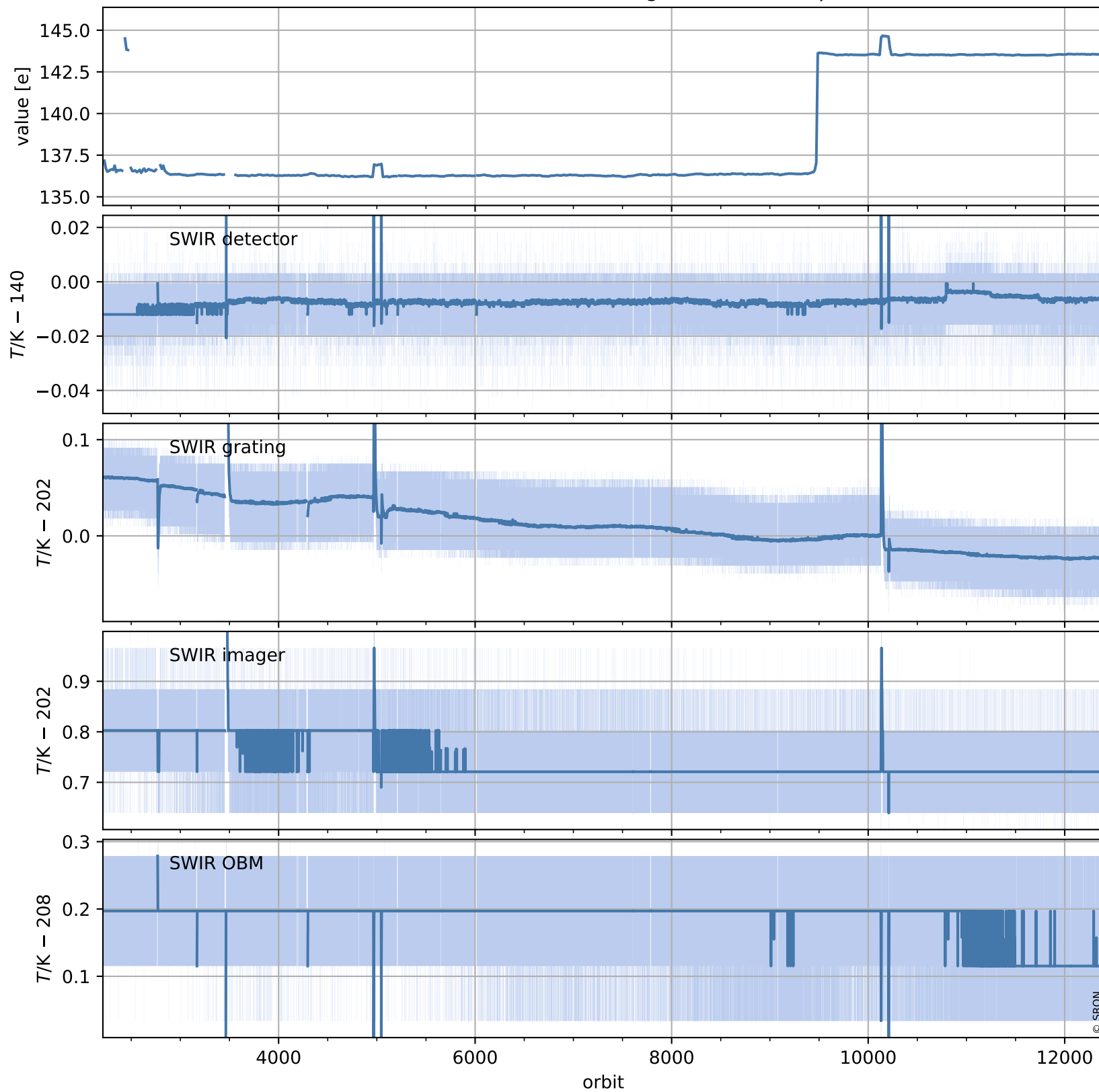
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12397]  
coverage : 2018-03-18 / 2020-03-05  
created : 2023-08-21T15:25:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12397]  
coverage : 2018-03-18 / 2020-03-05  
created : 2023-08-21T15:25:33

## trend of normalized read-noise & temperatures

