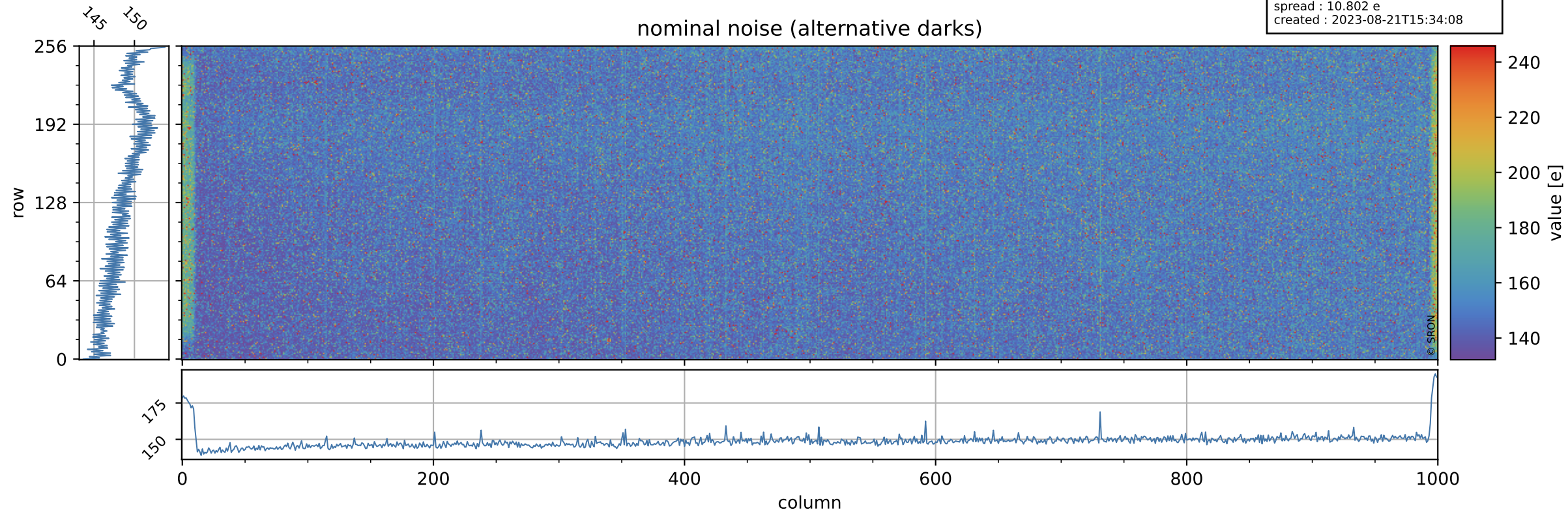


# Tropomi SWIR background noise (swir)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.802 e  
created : 2023-08-21T15:34:08

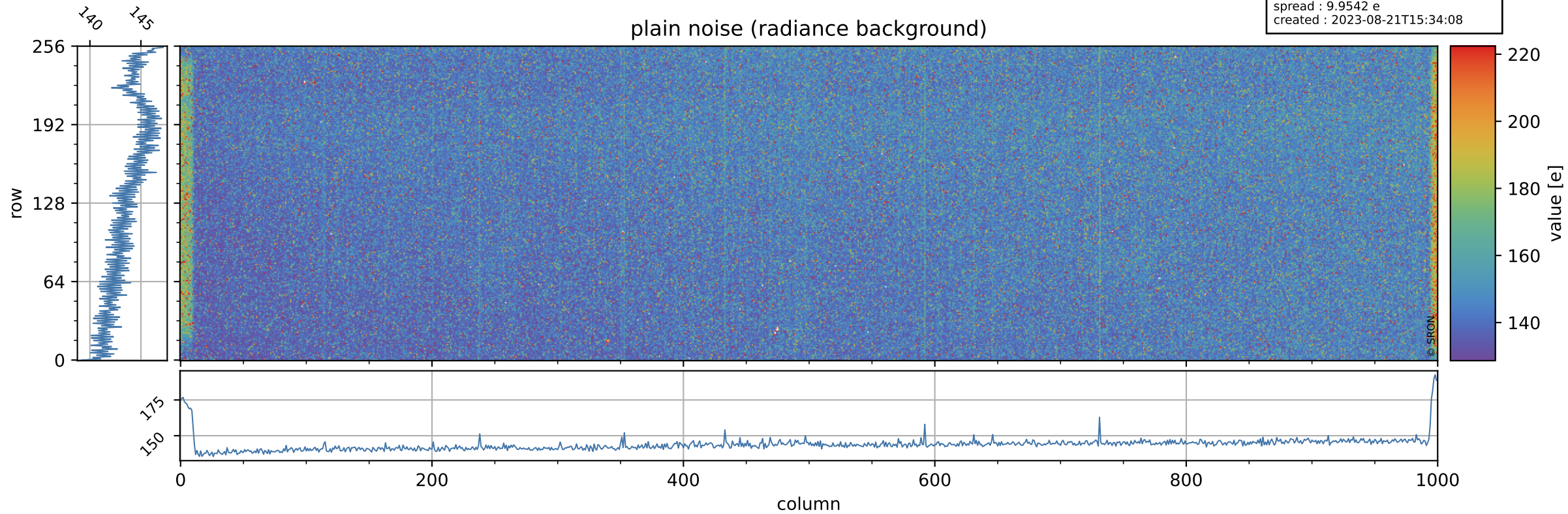
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.57 e  
spread : 9.9542 e  
created : 2023-08-21T15:34:08

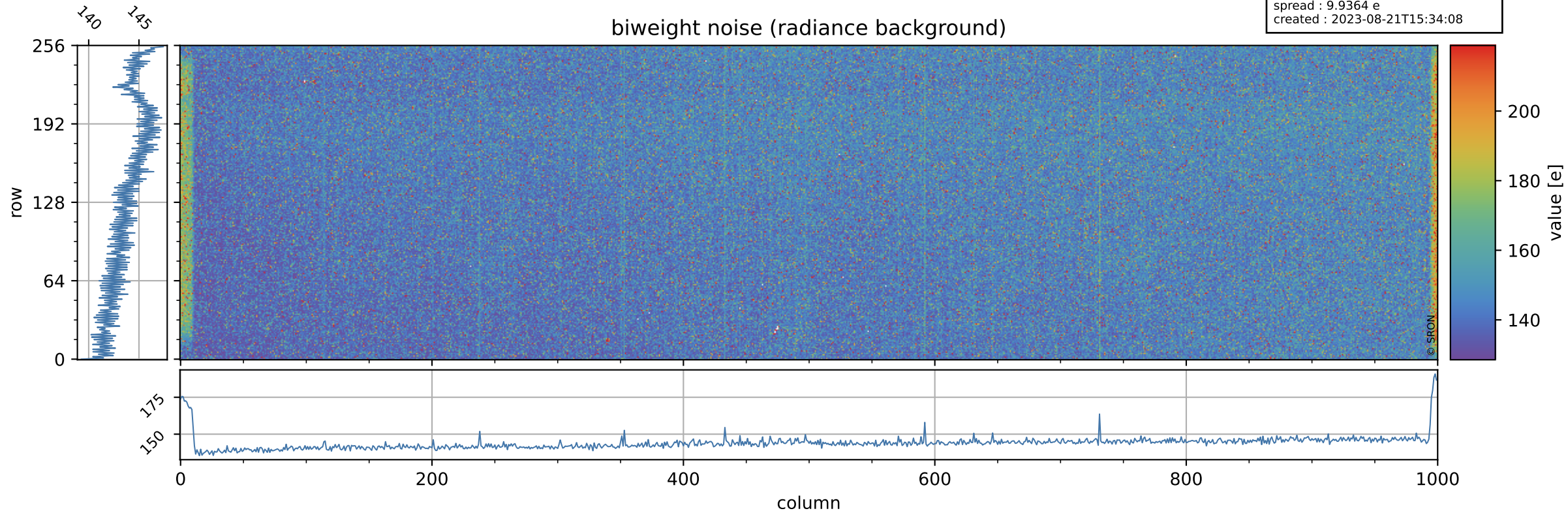
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.9364 e  
created : 2023-08-21T15:34:08

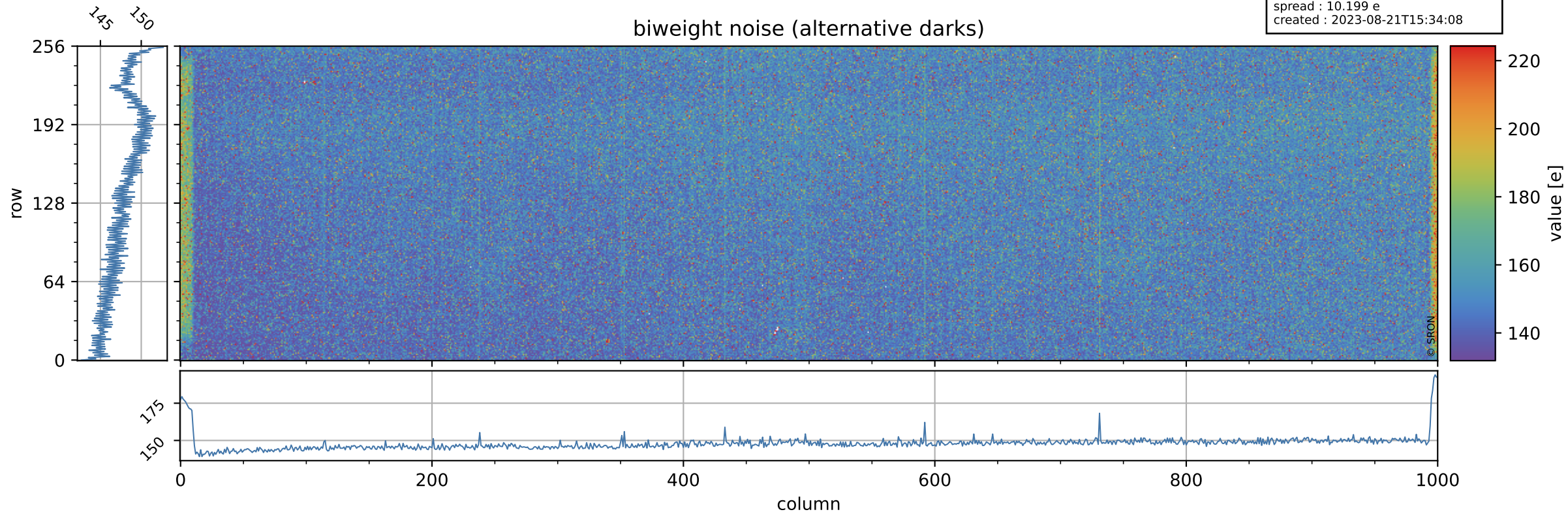
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
n\_coad, t\_exp : 1, 1.0783  
median : 147.69 e  
spread : 10.199 e  
created : 2023-08-21T15:34:08

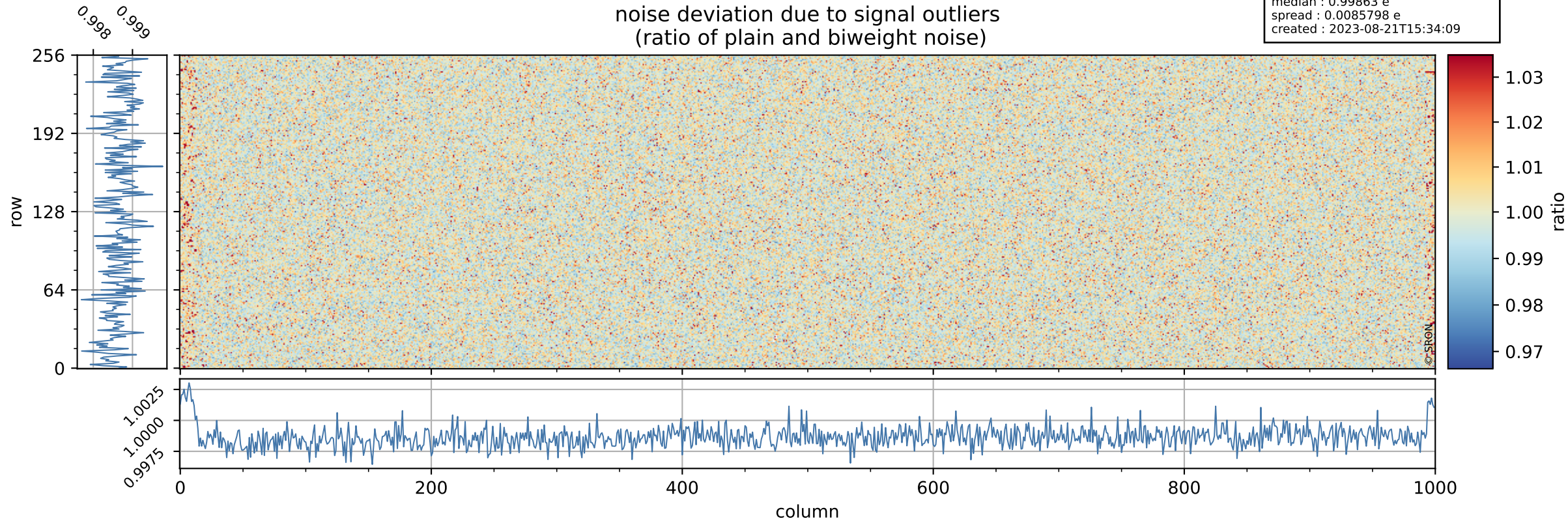
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

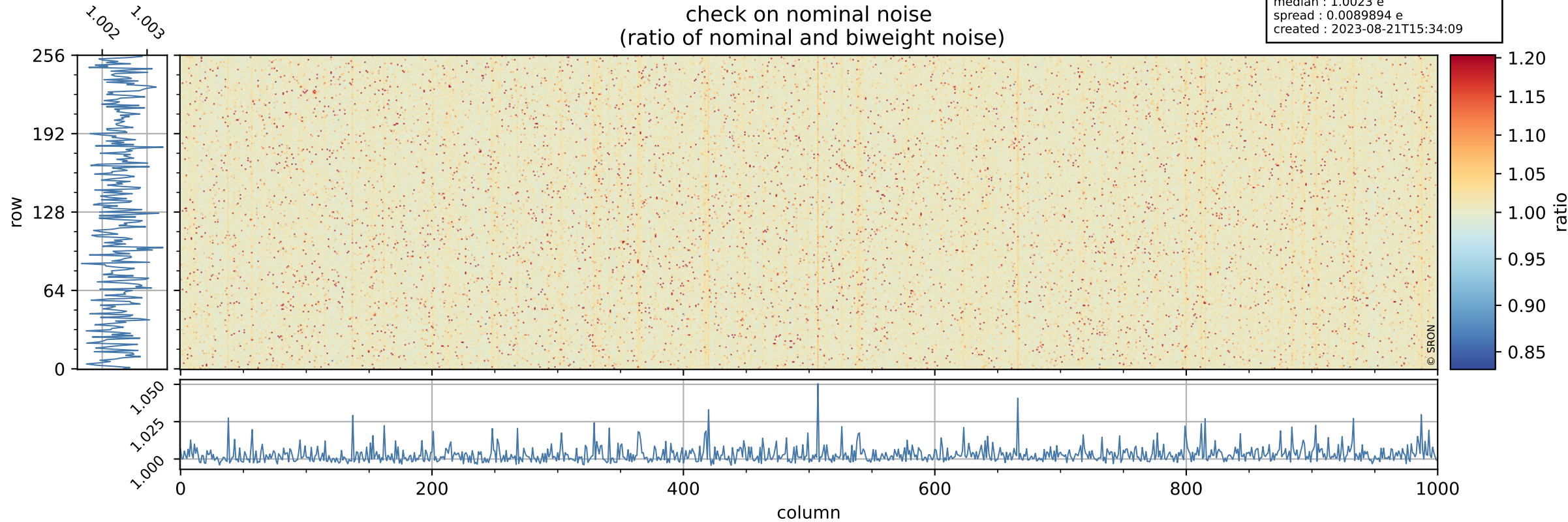
orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
median : 0.99863 e  
spread : 0.0085798 e  
created : 2023-08-21T15:34:09



# Tropomi SWIR background noise (swir)

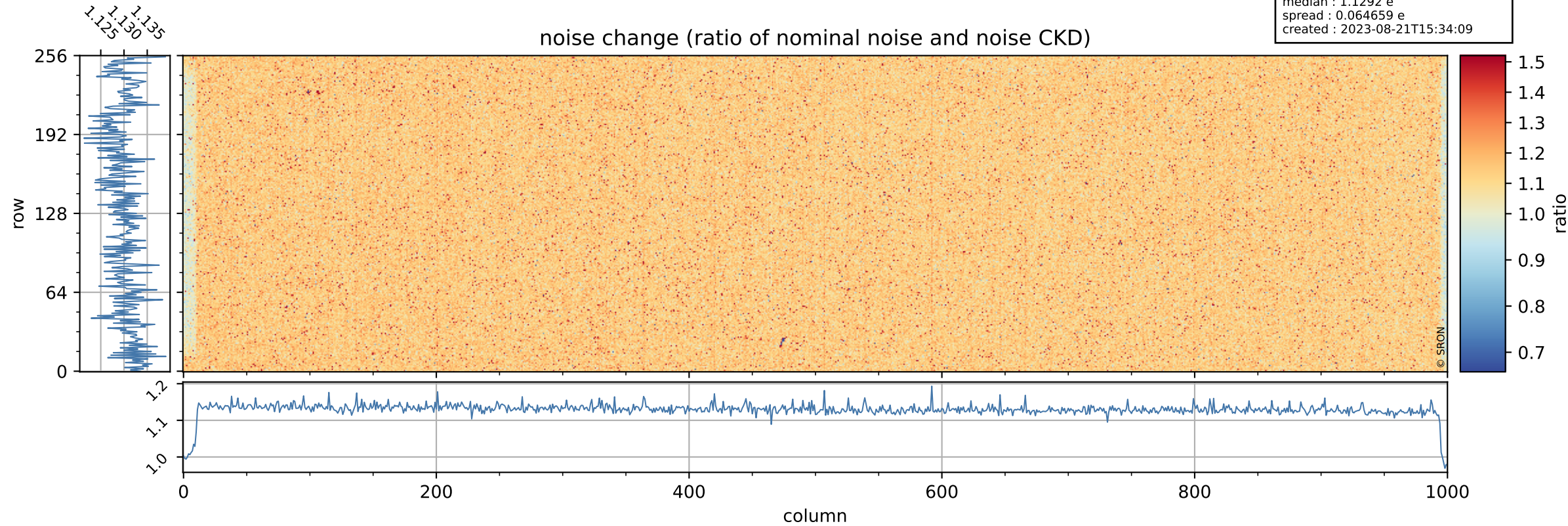
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
median : 1.0023 e  
spread : 0.0089894 e  
created : 2023-08-21T15:34:09



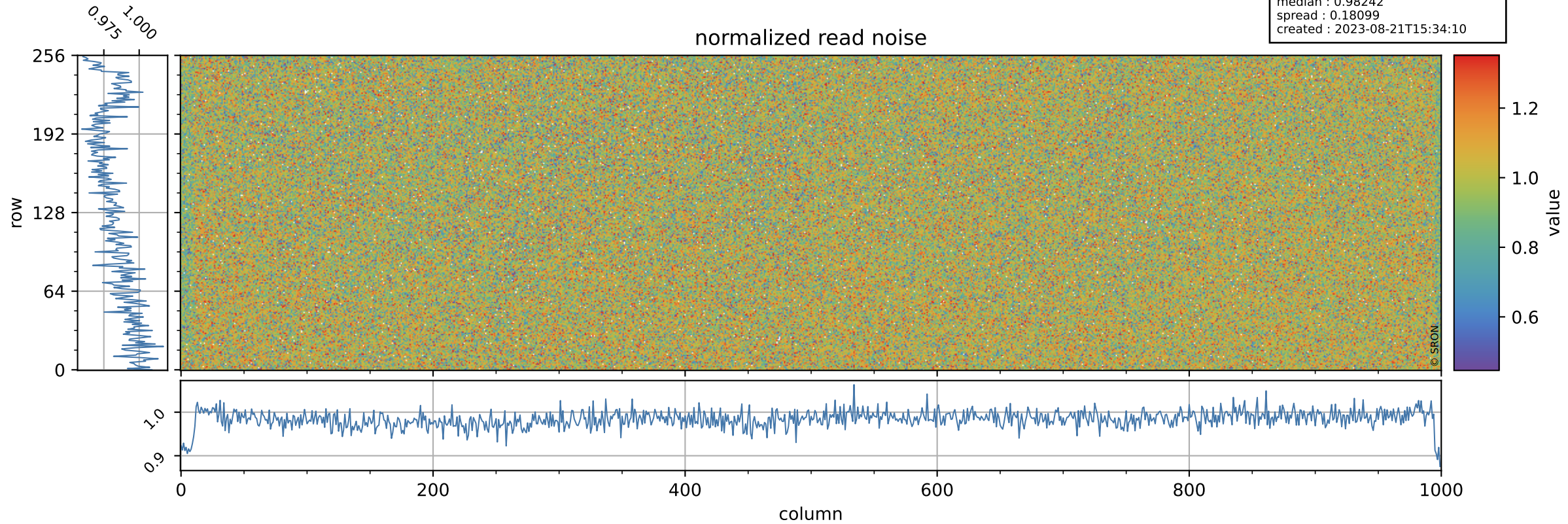
# Tropomi SWIR background noise (swir)

orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
median : 1.1292 e  
spread : 0.064659 e  
created : 2023-08-21T15:34:09



# Tropomi SWIR background noise (swir)

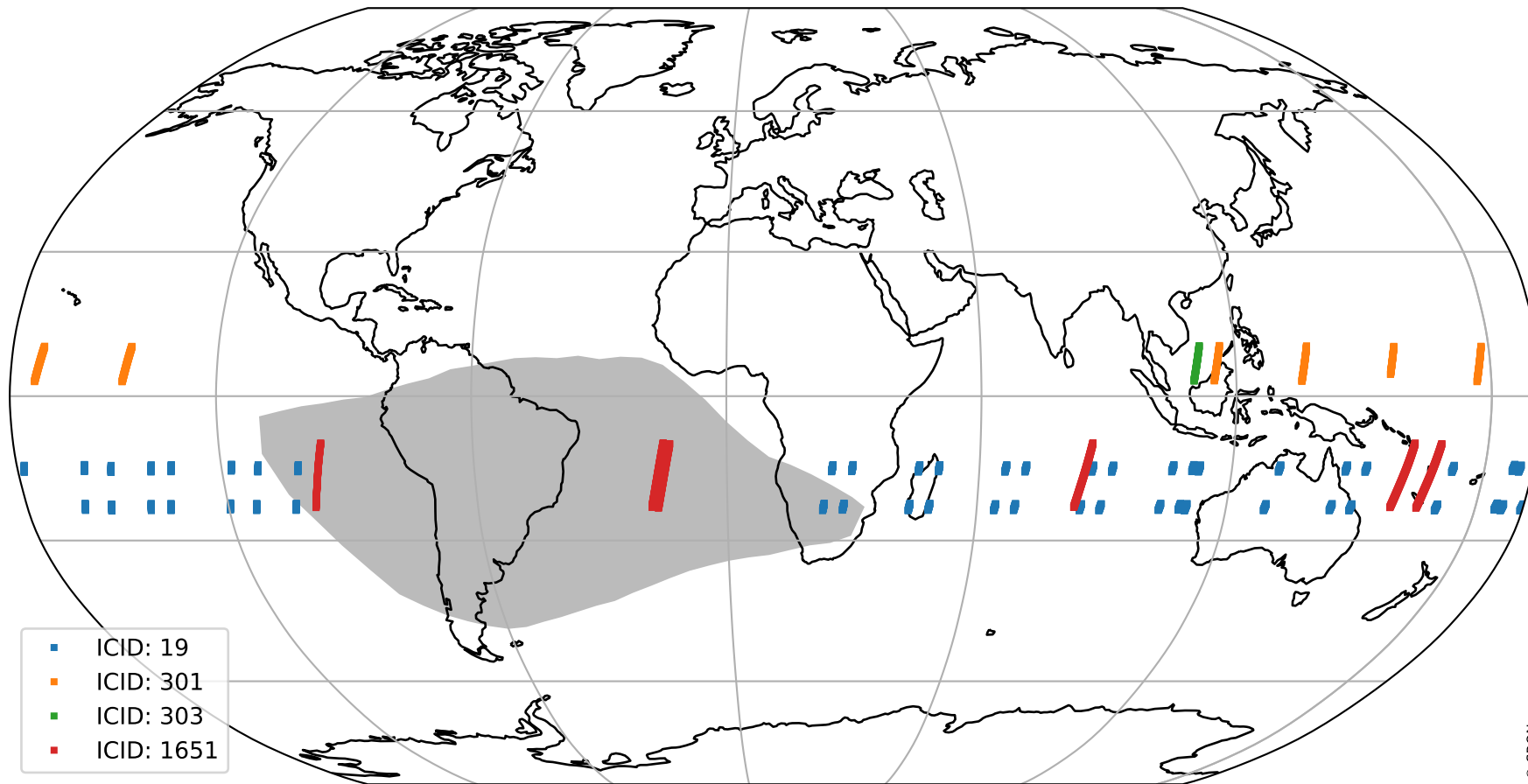
orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
median : 0.98242  
spread : 0.18099  
created : 2023-08-21T15:34:10





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

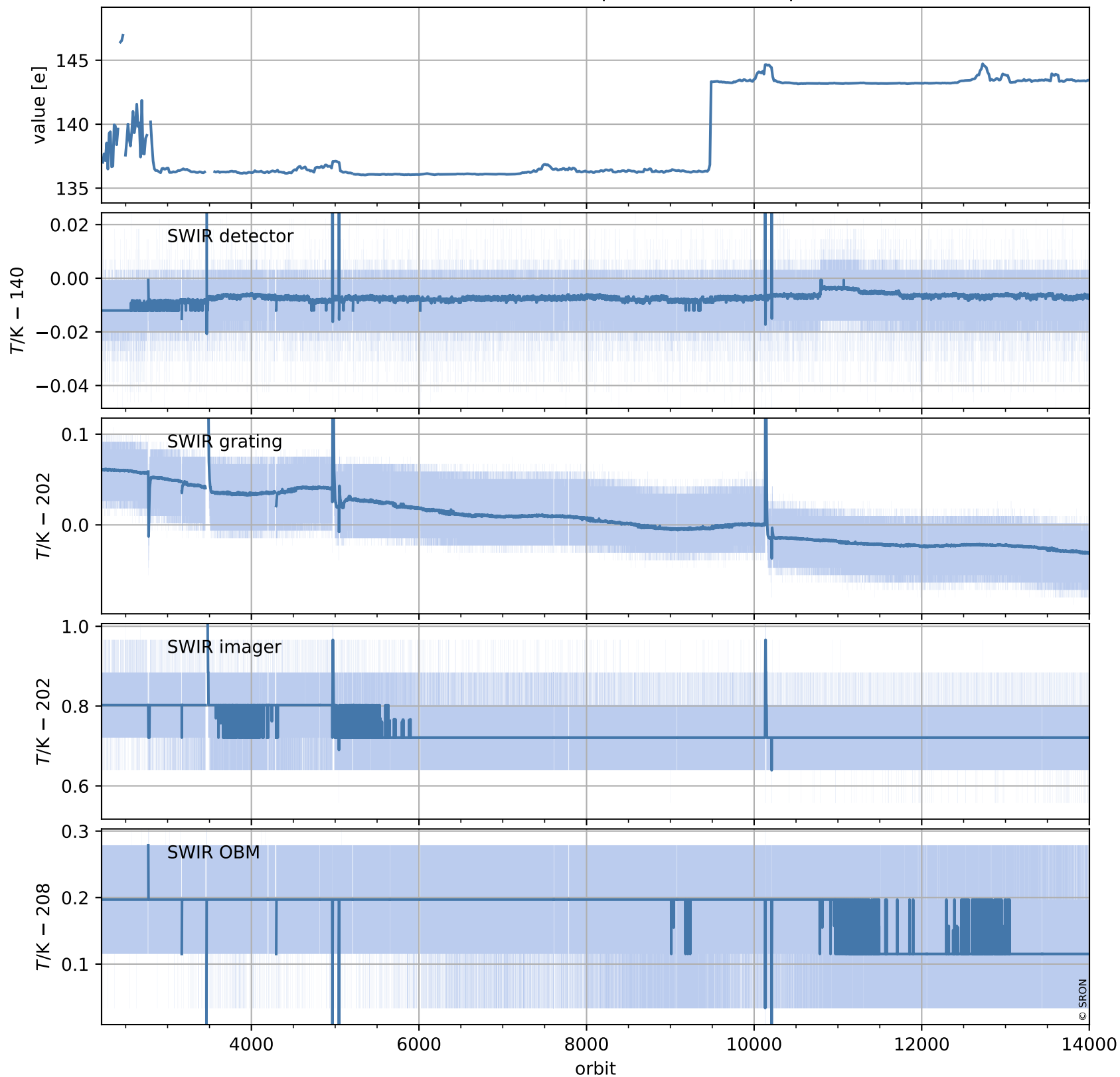
orbits : 13 in [13912, 14002]  
coverage : 2020-06-20 / 2020-06-26  
created : 2023-08-21T15:34:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 14002]  
coverage : 2018-03-18 / 2020-06-26  
created : 2023-08-21T15:34:10

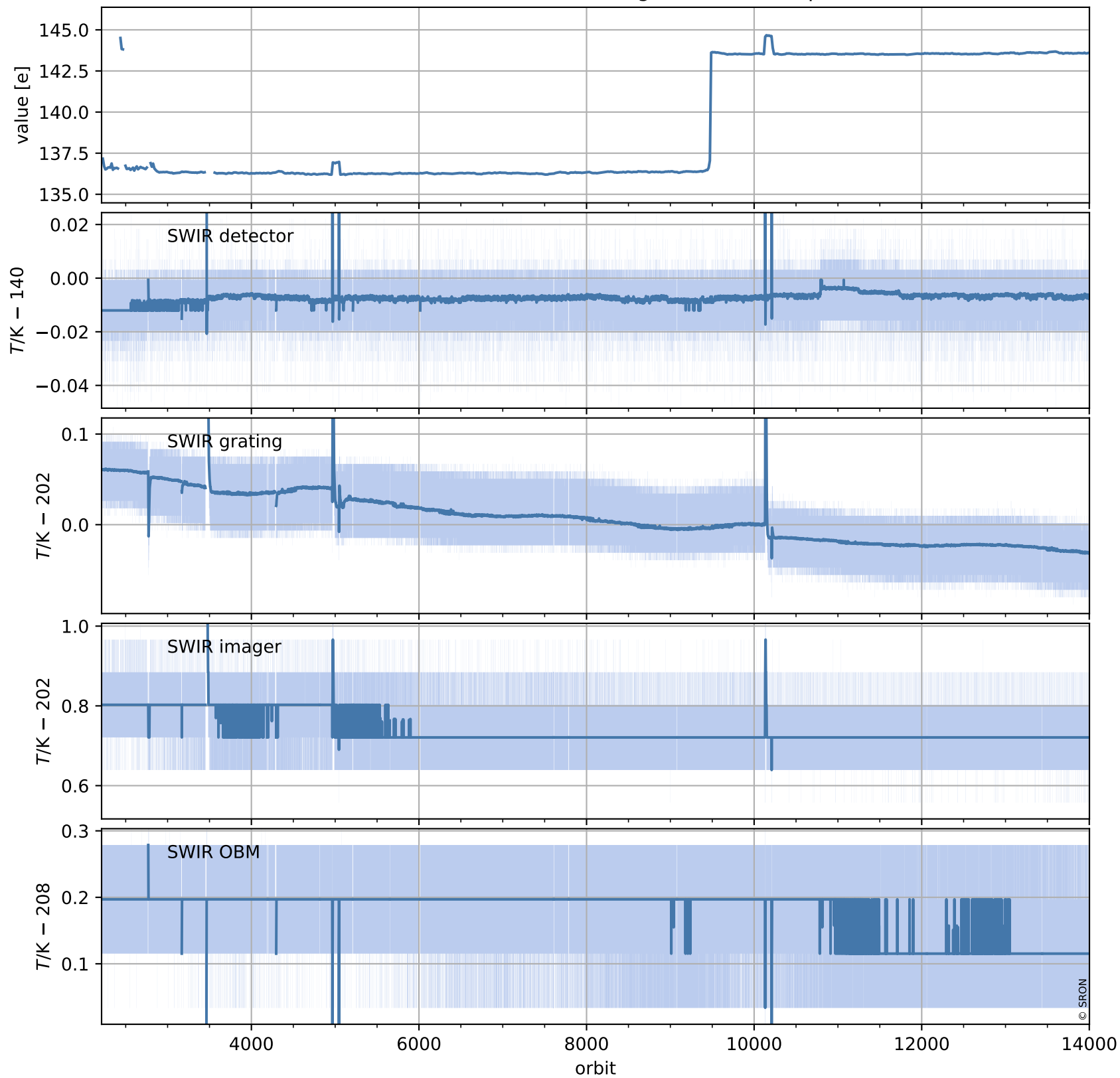
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14002]  
coverage : 2018-03-18 / 2020-06-26  
created : 2023-08-21T15:34:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14002]  
coverage : 2018-03-18 / 2020-06-26  
created : 2023-08-21T15:34:11

## trend of normalized read-noise & temperatures

