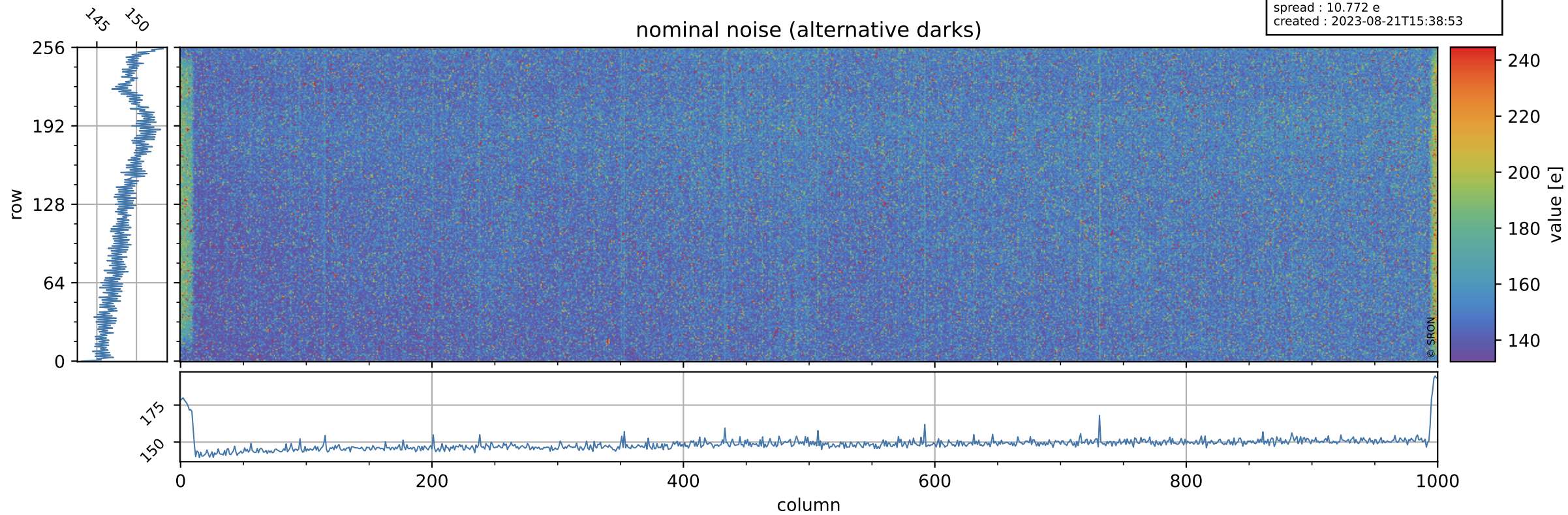


# Tropomi SWIR background noise (swir)

orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.772 e  
created : 2023-08-21T15:38:53

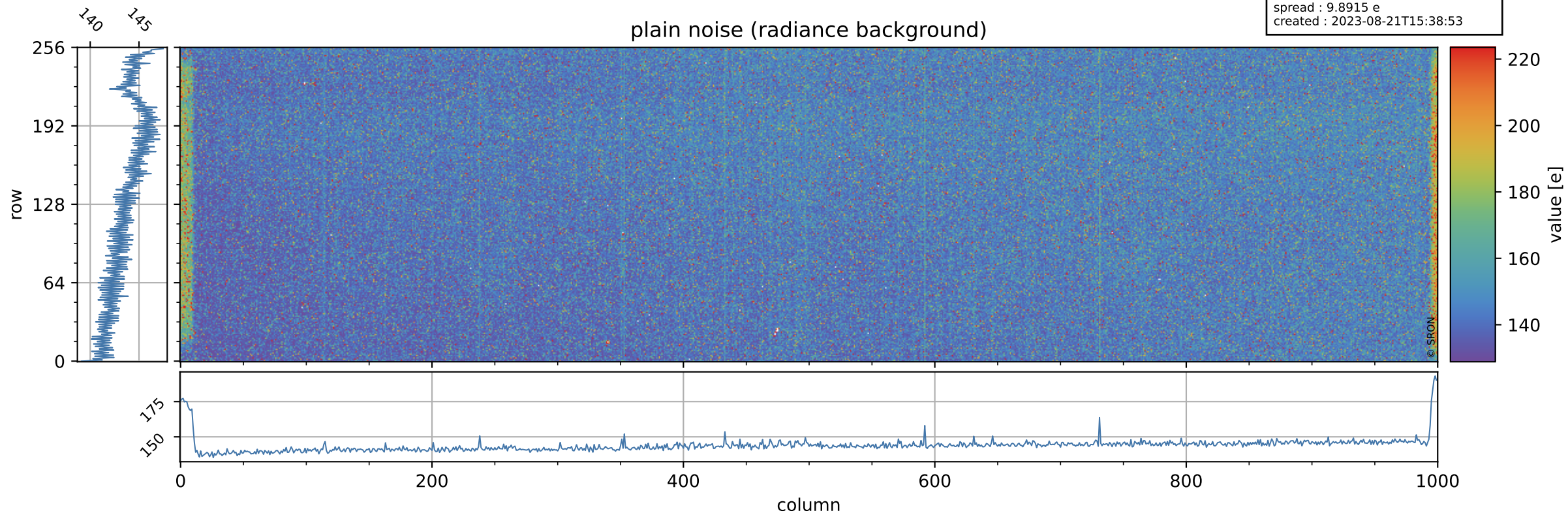
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.61 e  
spread : 9.8915 e  
created : 2023-08-21T15:38:53

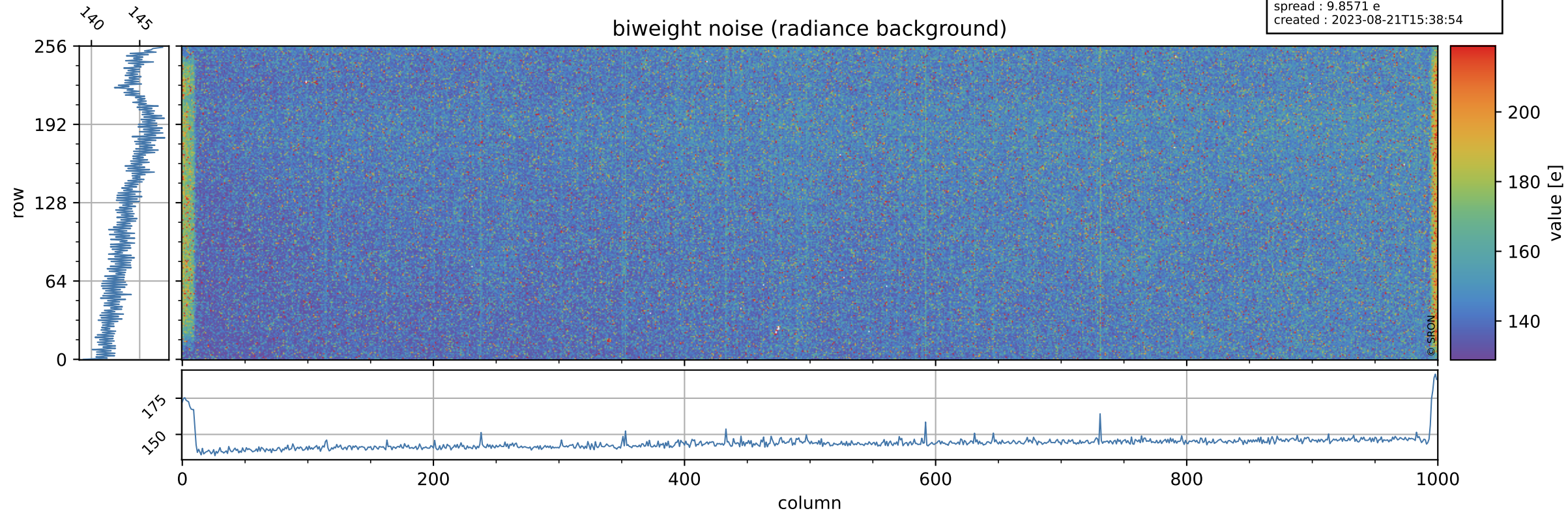
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

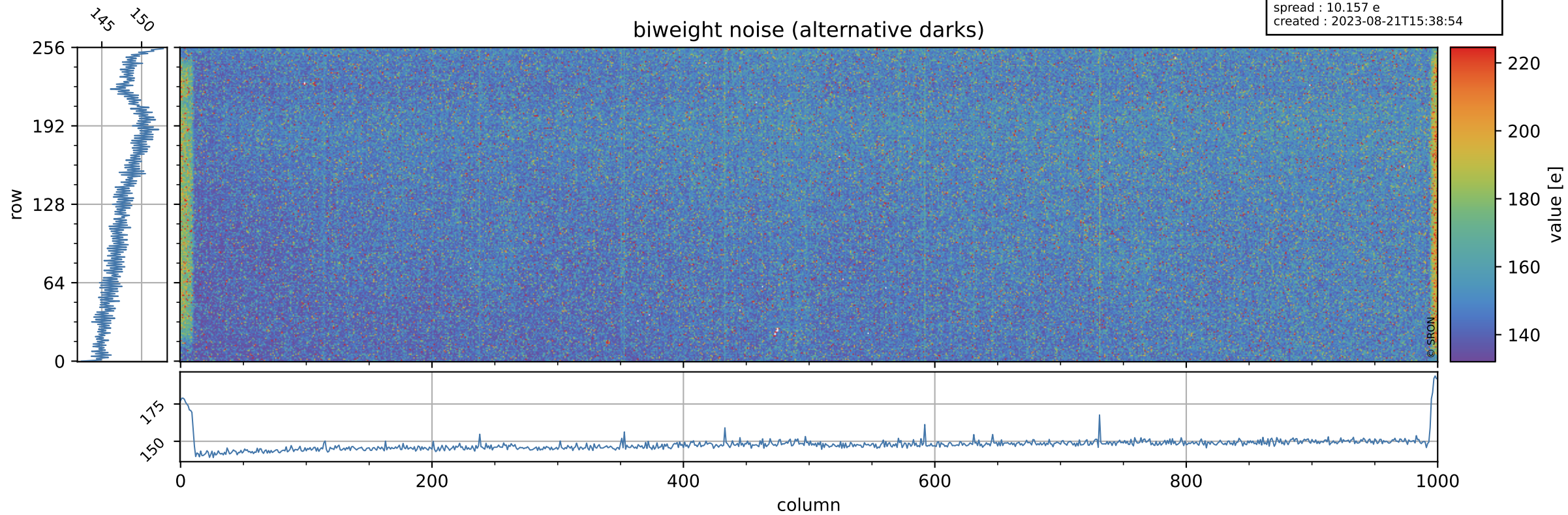
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.8571 e  
created : 2023-08-21T15:38:54

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

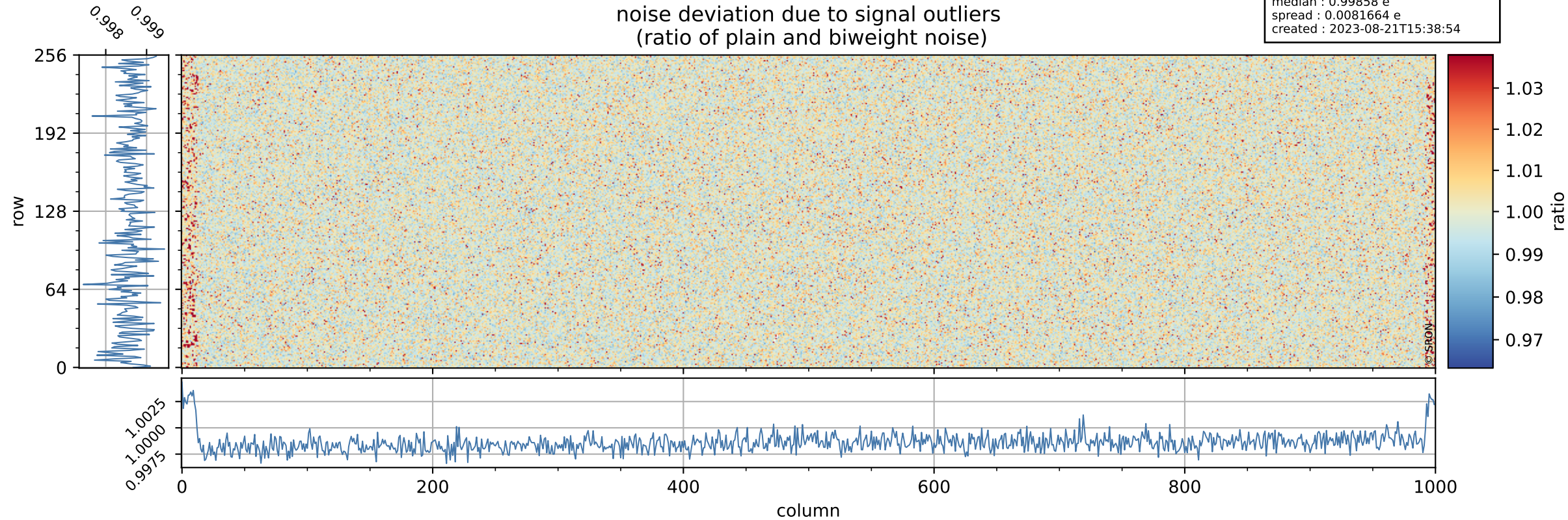
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.157 e  
created : 2023-08-21T15:38:54



# Tropomi SWIR background noise (swir)

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

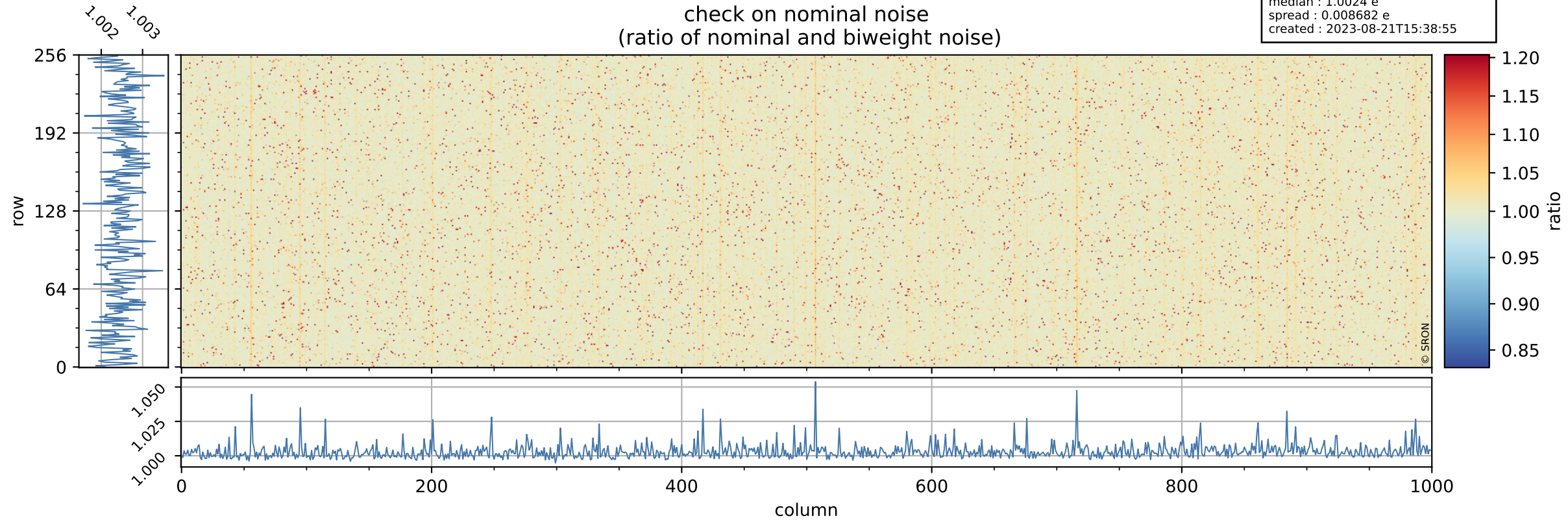
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
median : 0.99858 e  
spread : 0.0081664 e  
created : 2023-08-21T15:38:54



# Tropomi SWIR background noise (swir)

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

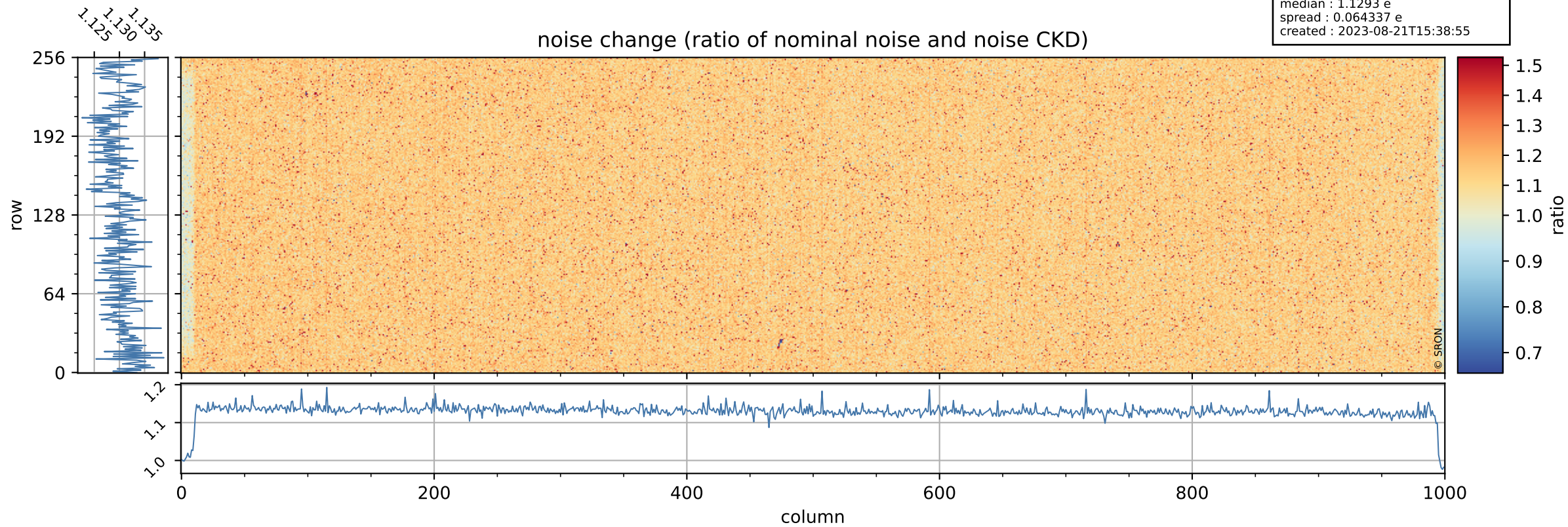
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
median : 1.0024 e  
spread : 0.008682 e  
created : 2023-08-21T15:38:55



# Tropomi SWIR background noise (swir)

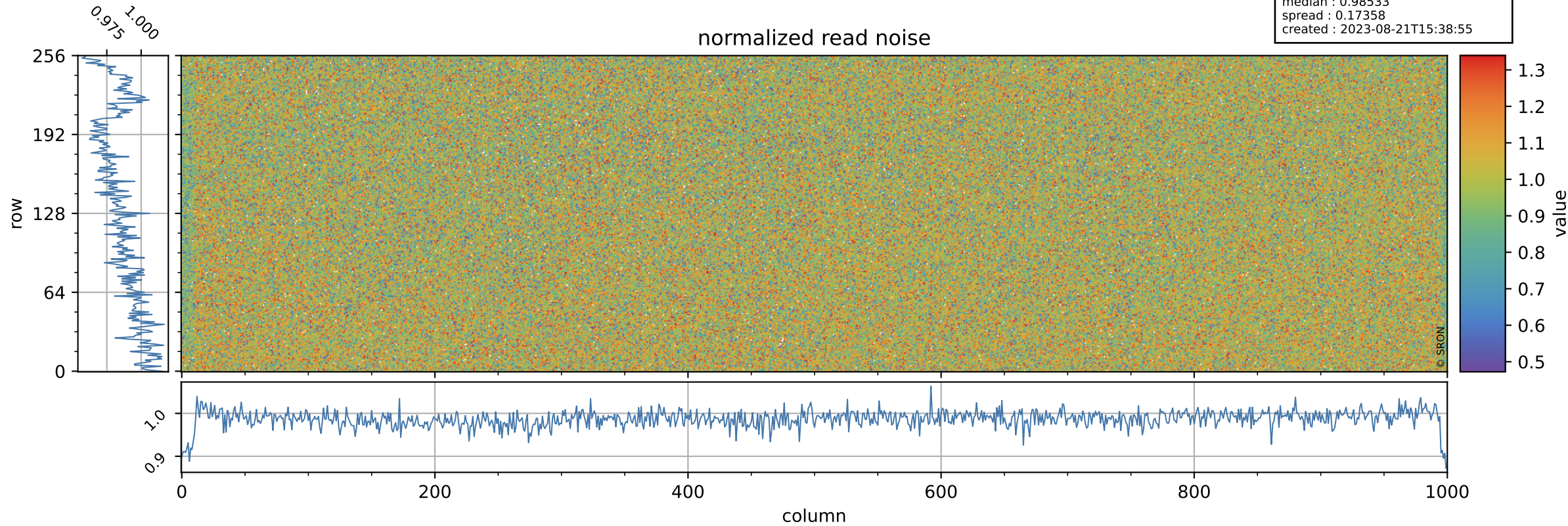
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
median : 1.1293 e  
spread : 0.064337 e  
created : 2023-08-21T15:38:55

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

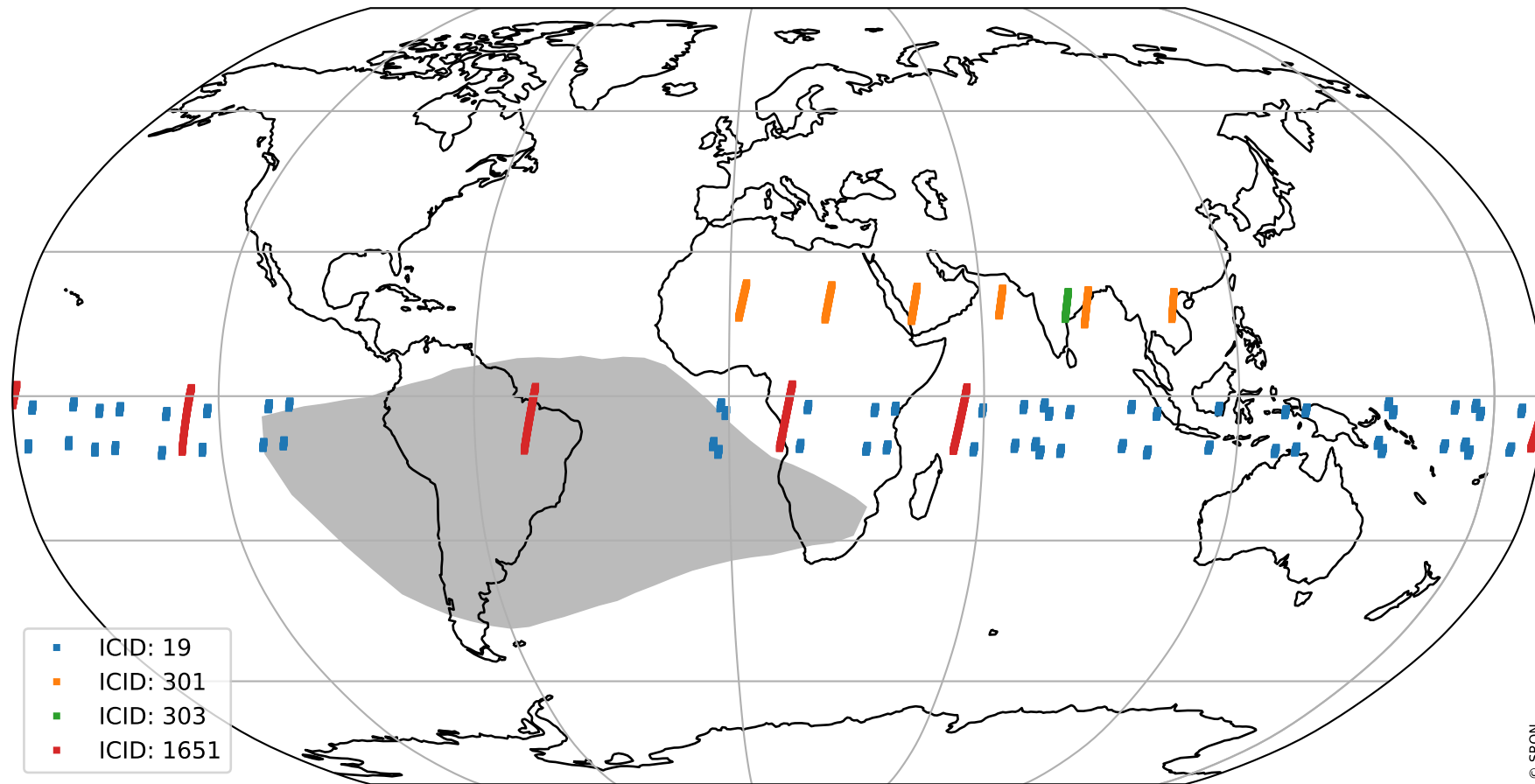
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
median : 0.98533  
spread : 0.17358  
created : 2023-08-21T15:38:55





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

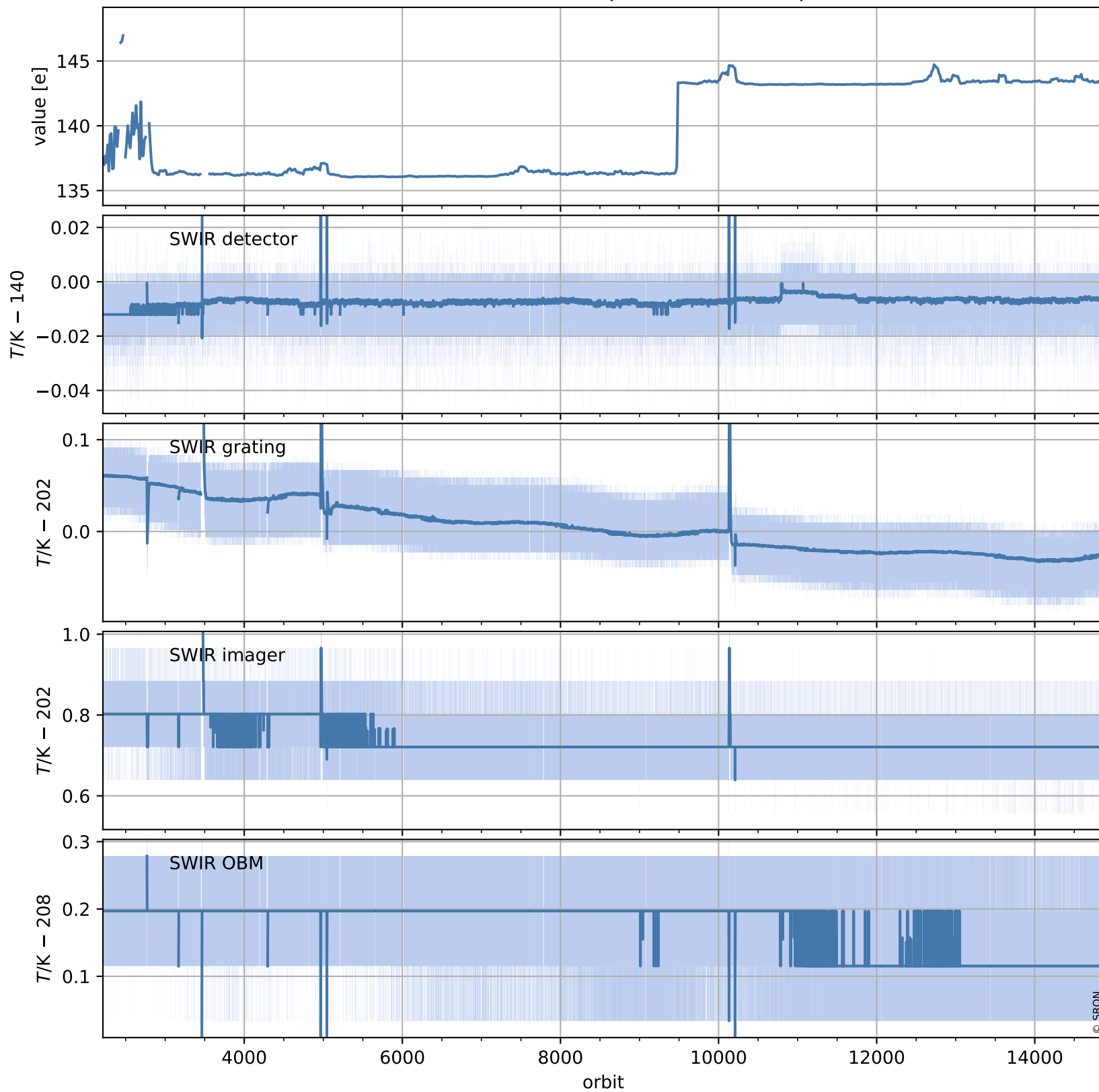
orbits : 12 in [14797, 14872]  
coverage : 2020-08-20 / 2020-08-26  
created : 2023-08-21T15:38:55



# Tropomi SWIR background noise (swir)

orbits : [2212, 14872]  
coverage : 2018-03-18 / 2020-08-26  
created : 2023-08-21T15:38:56

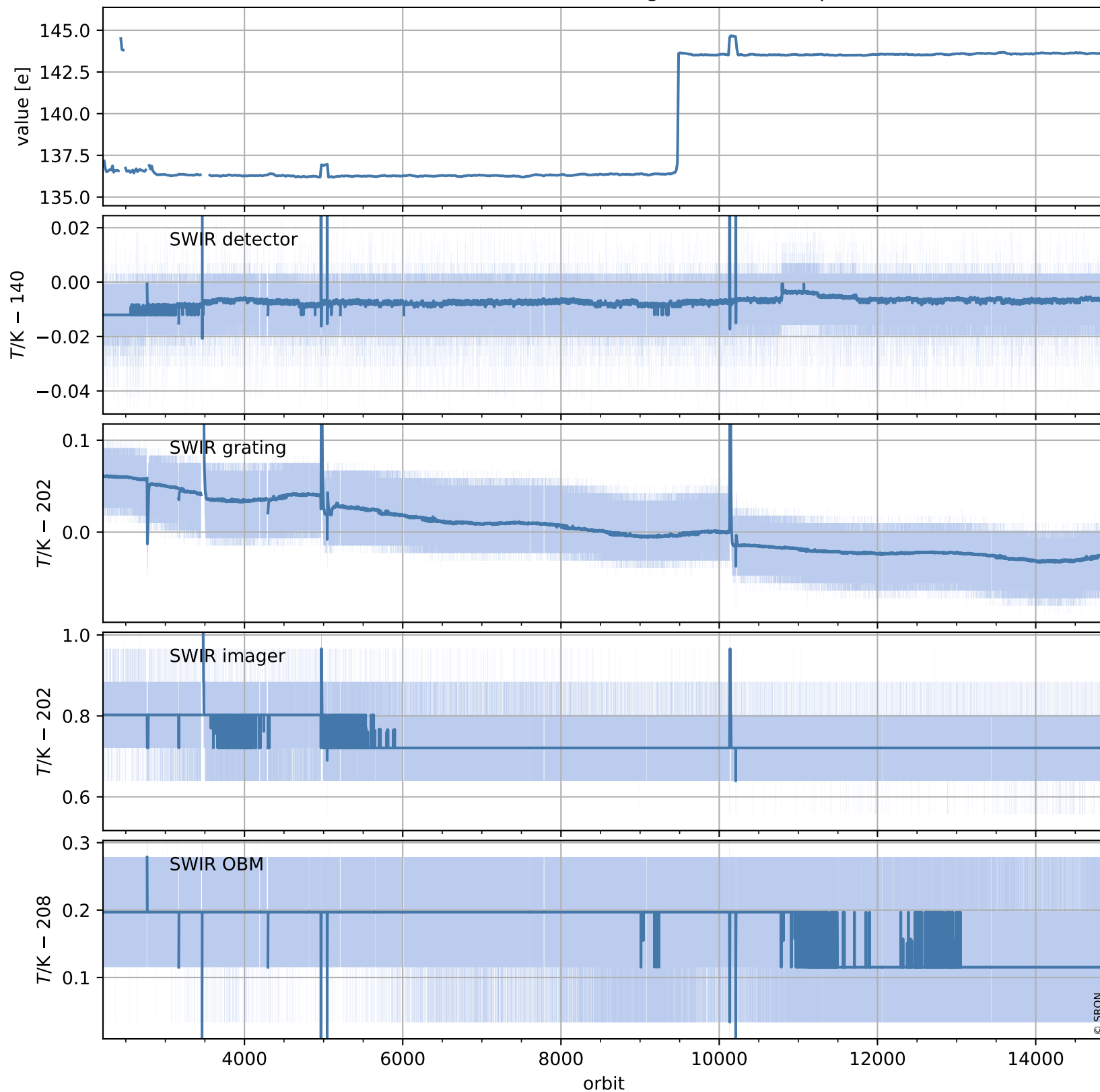
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14872]  
coverage : 2018-03-18 / 2020-08-26  
created : 2023-08-21T15:38:56

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14872]  
coverage : 2018-03-18 / 2020-08-26  
created : 2023-08-21T15:38:57

## trend of normalized read-noise & temperatures

