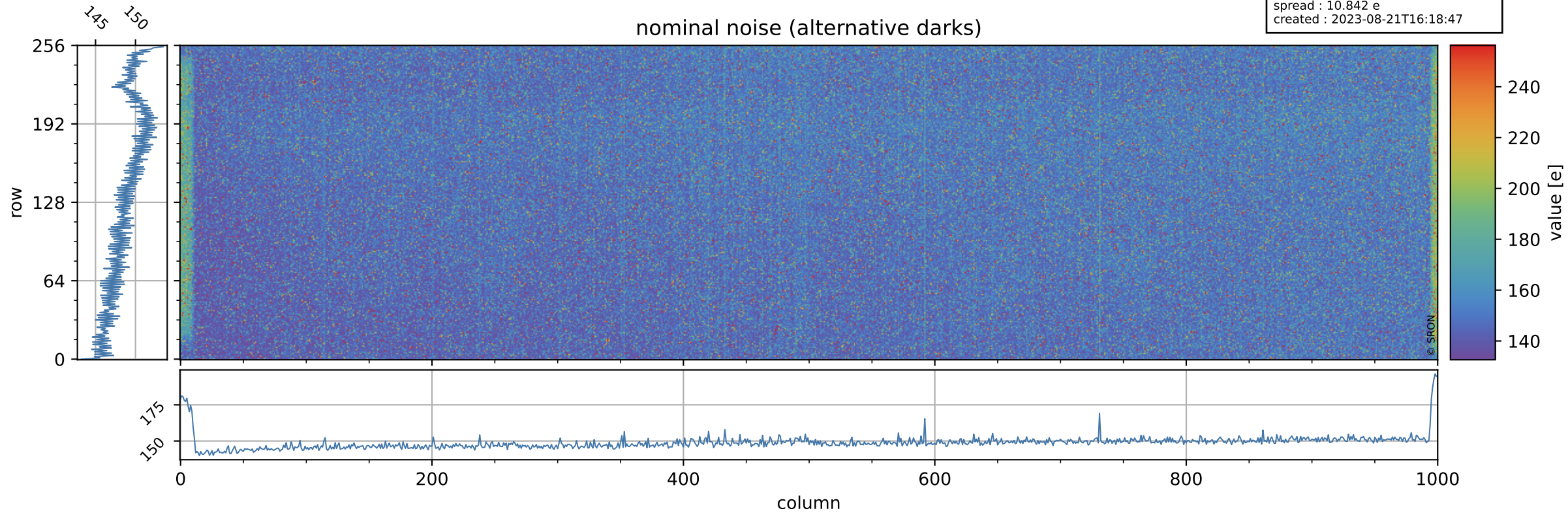


# Tropomi SWIR background noise (swir)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.842 e  
created : 2023-08-21T16:18:47

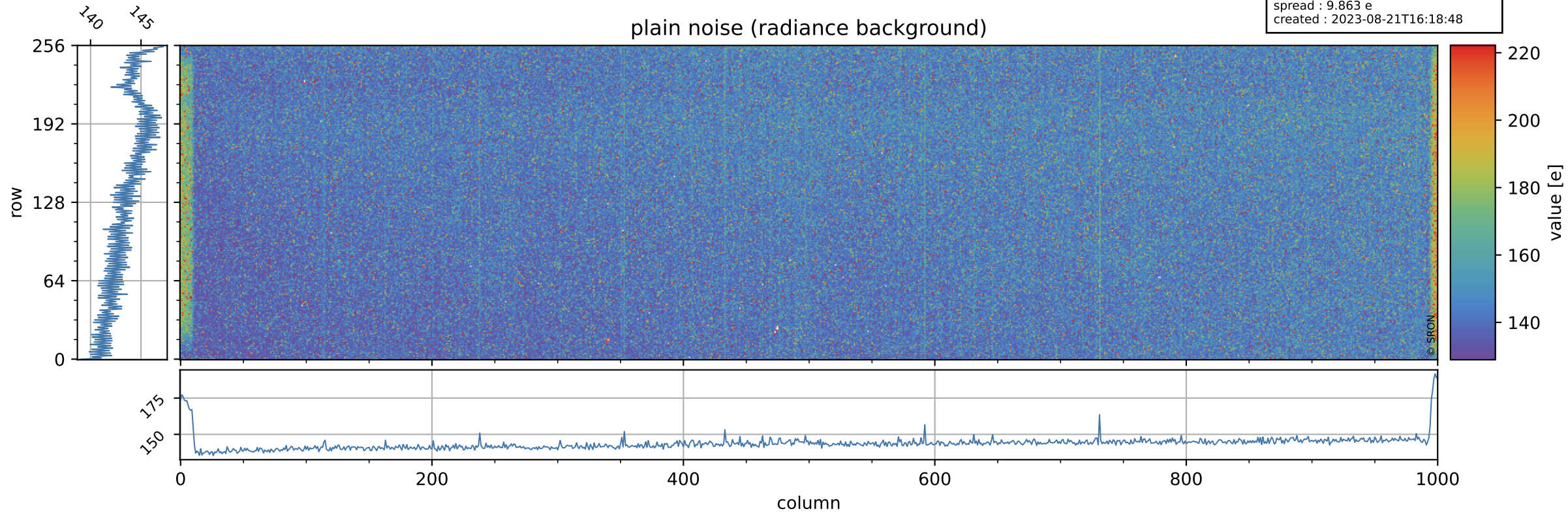
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.47 e  
spread : 9.863 e  
created : 2023-08-21T16:18:48

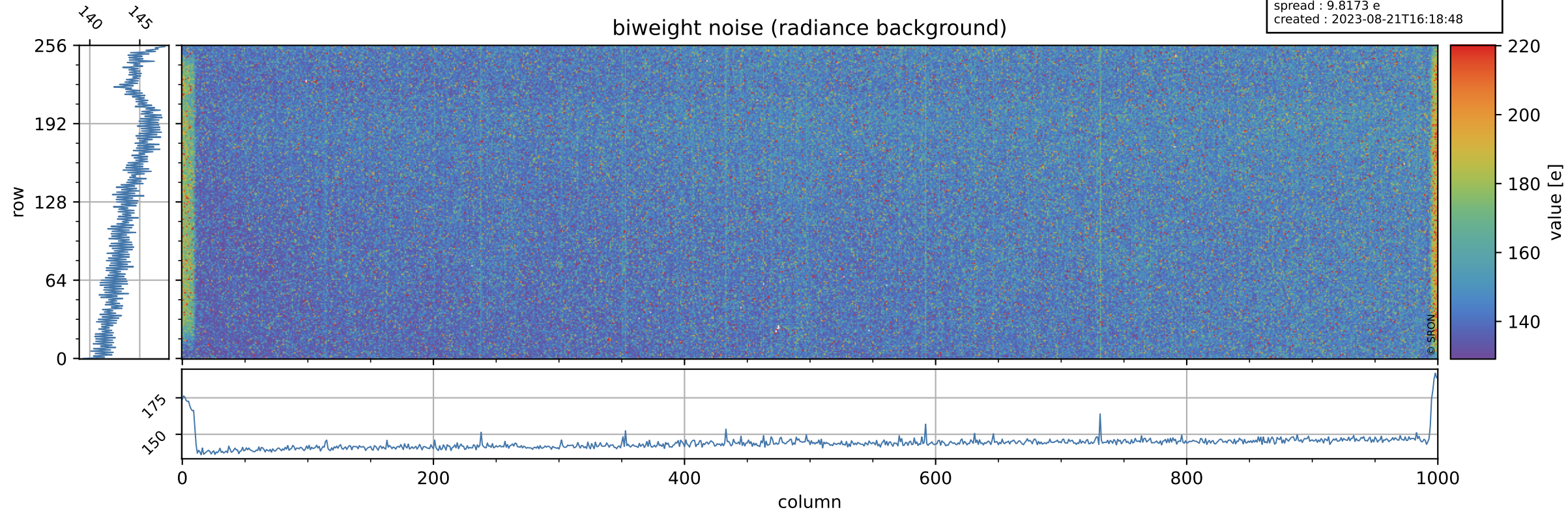
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.8173 e  
created : 2023-08-21T16:18:48

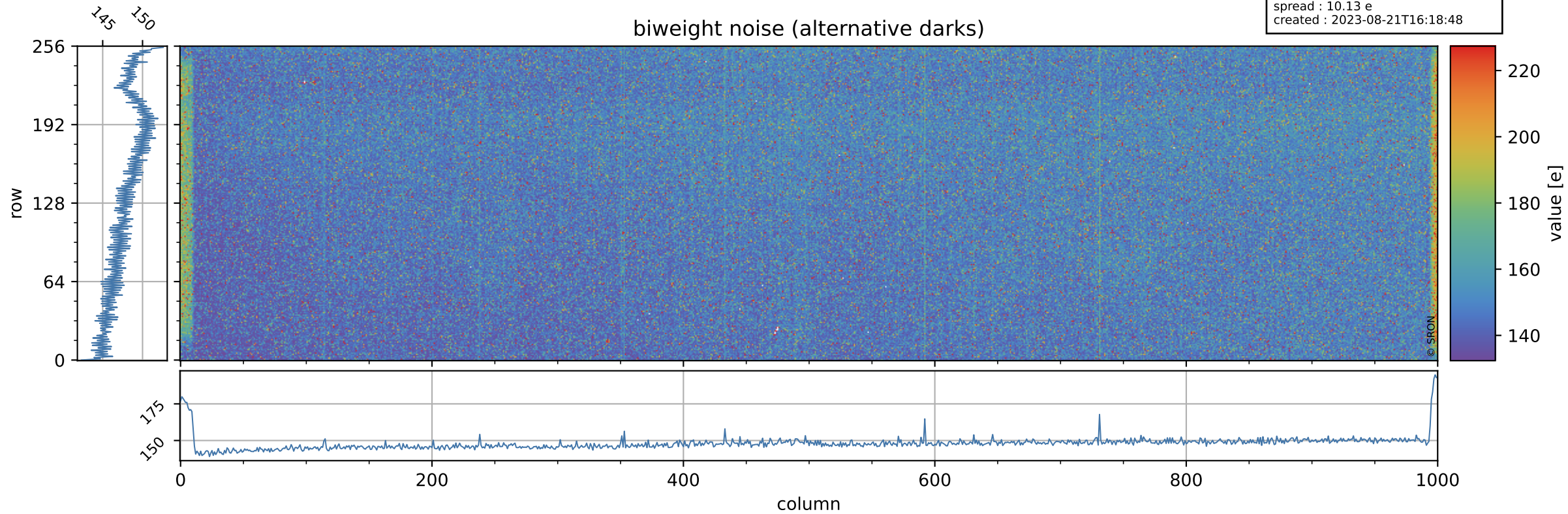
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.13 e  
created : 2023-08-21T16:18:48

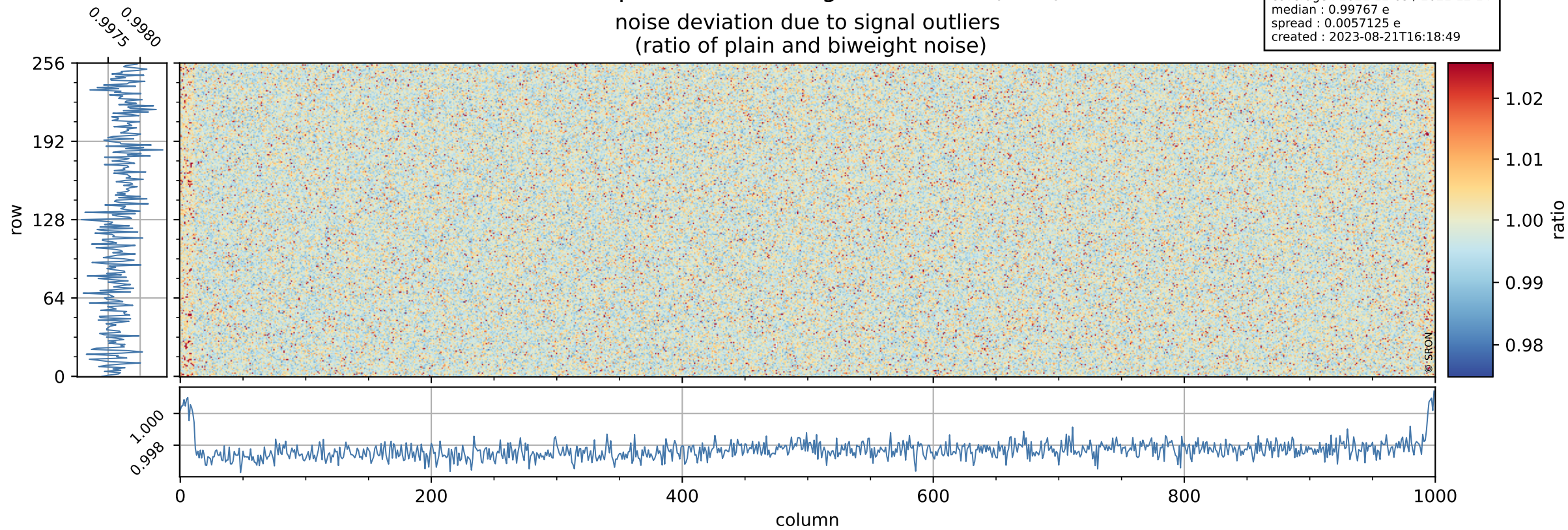
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

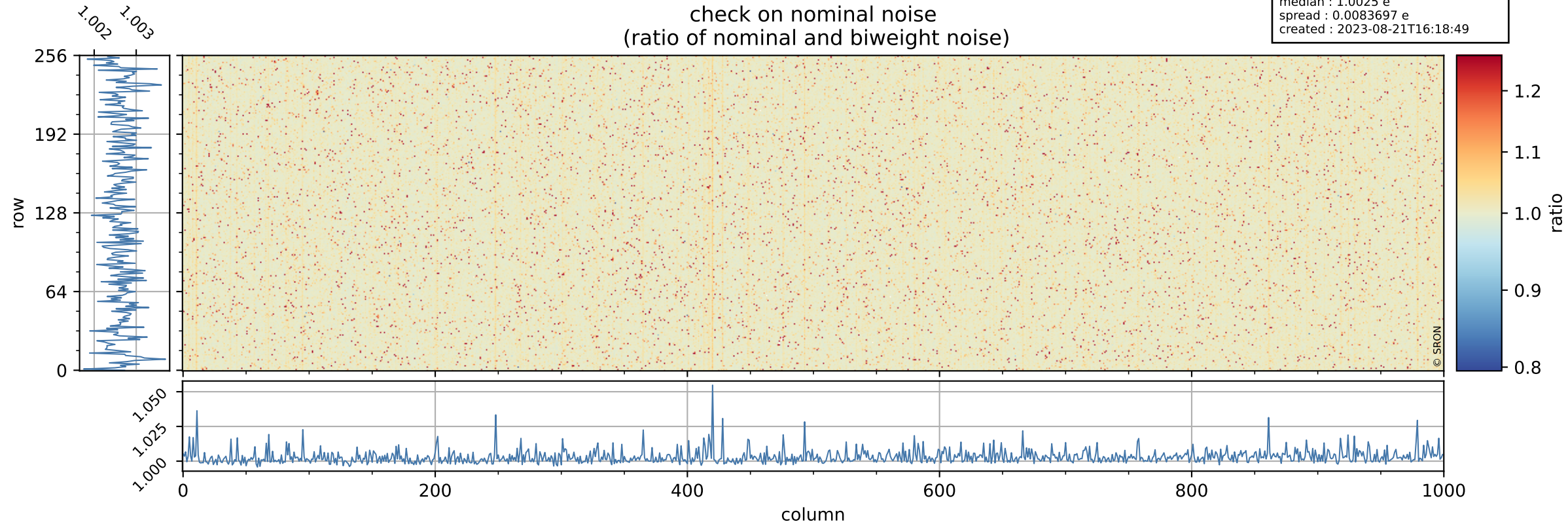
orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
median : 0.99767 e  
spread : 0.0057125 e  
created : 2023-08-21T16:18:49



# Tropomi SWIR background noise (swir)

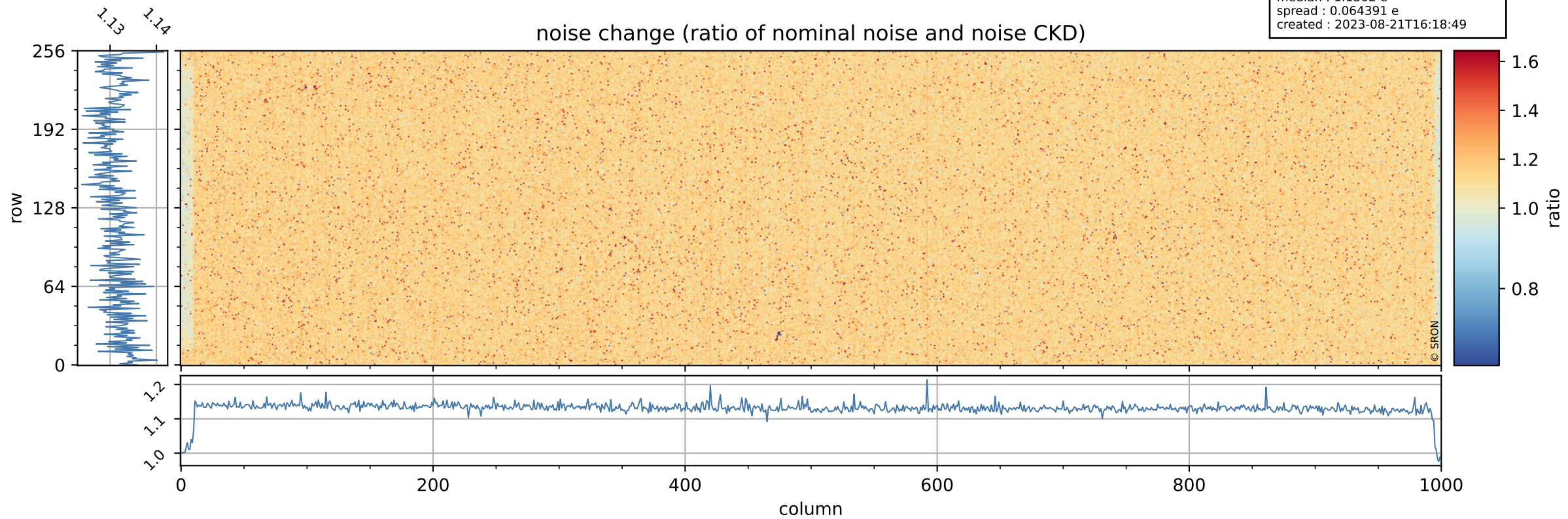
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
median : 1.0025 e  
spread : 0.0083697 e  
created : 2023-08-21T16:18:49



# Tropomi SWIR background noise (swir)

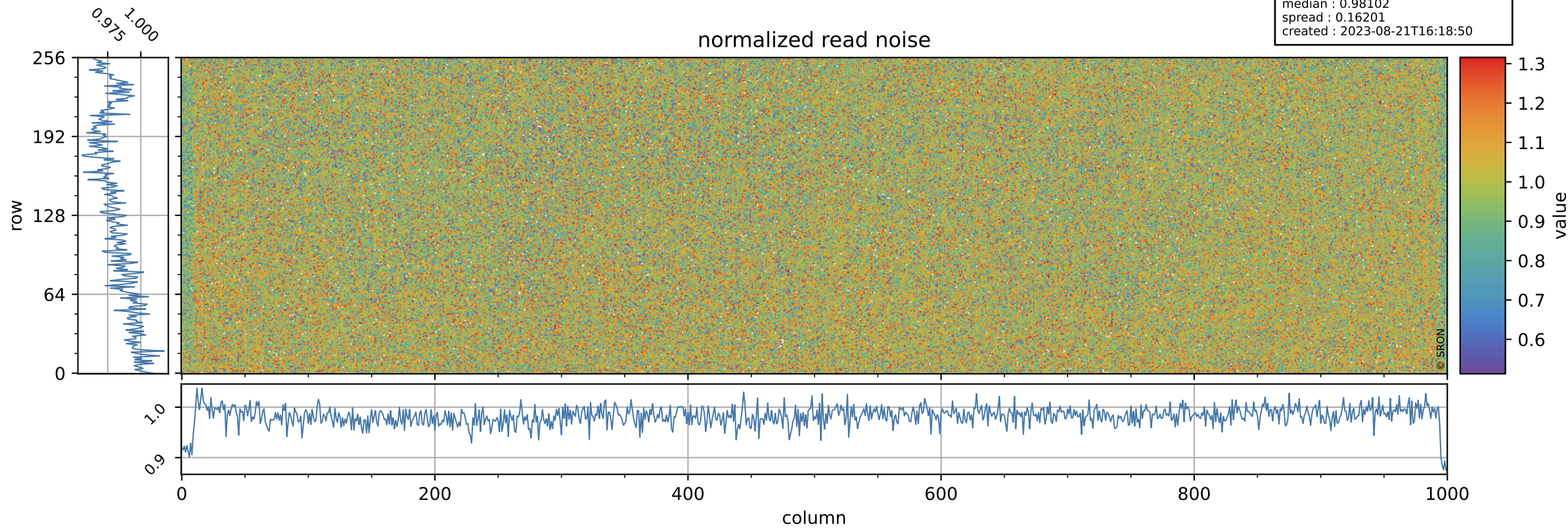
orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
median : 1.1302 e  
spread : 0.064391 e  
created : 2023-08-21T16:18:49



# Tropomi SWIR background noise (swir)

orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
median : 0.98102  
spread : 0.16201  
created : 2023-08-21T16:18:50

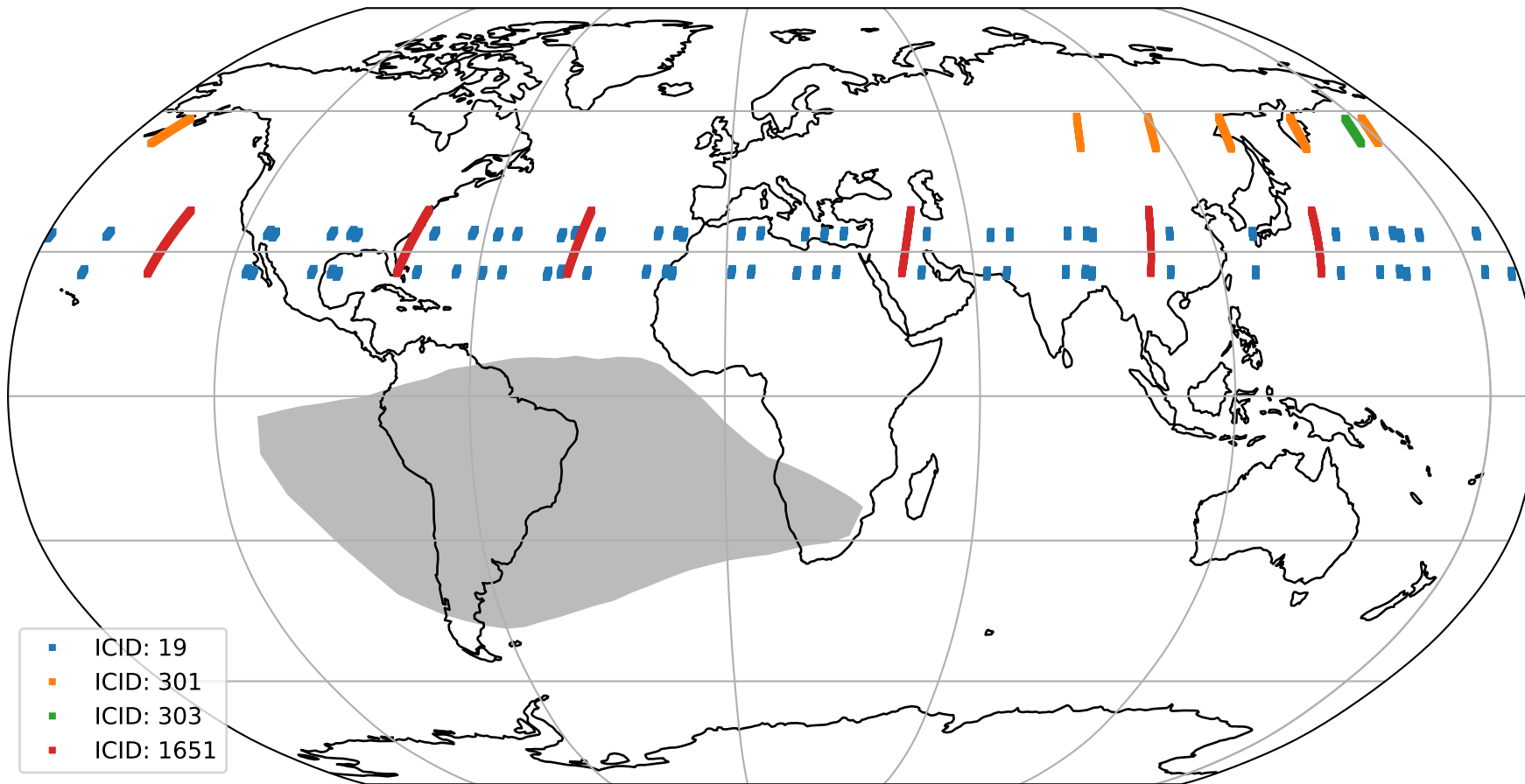
normalized read noise





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

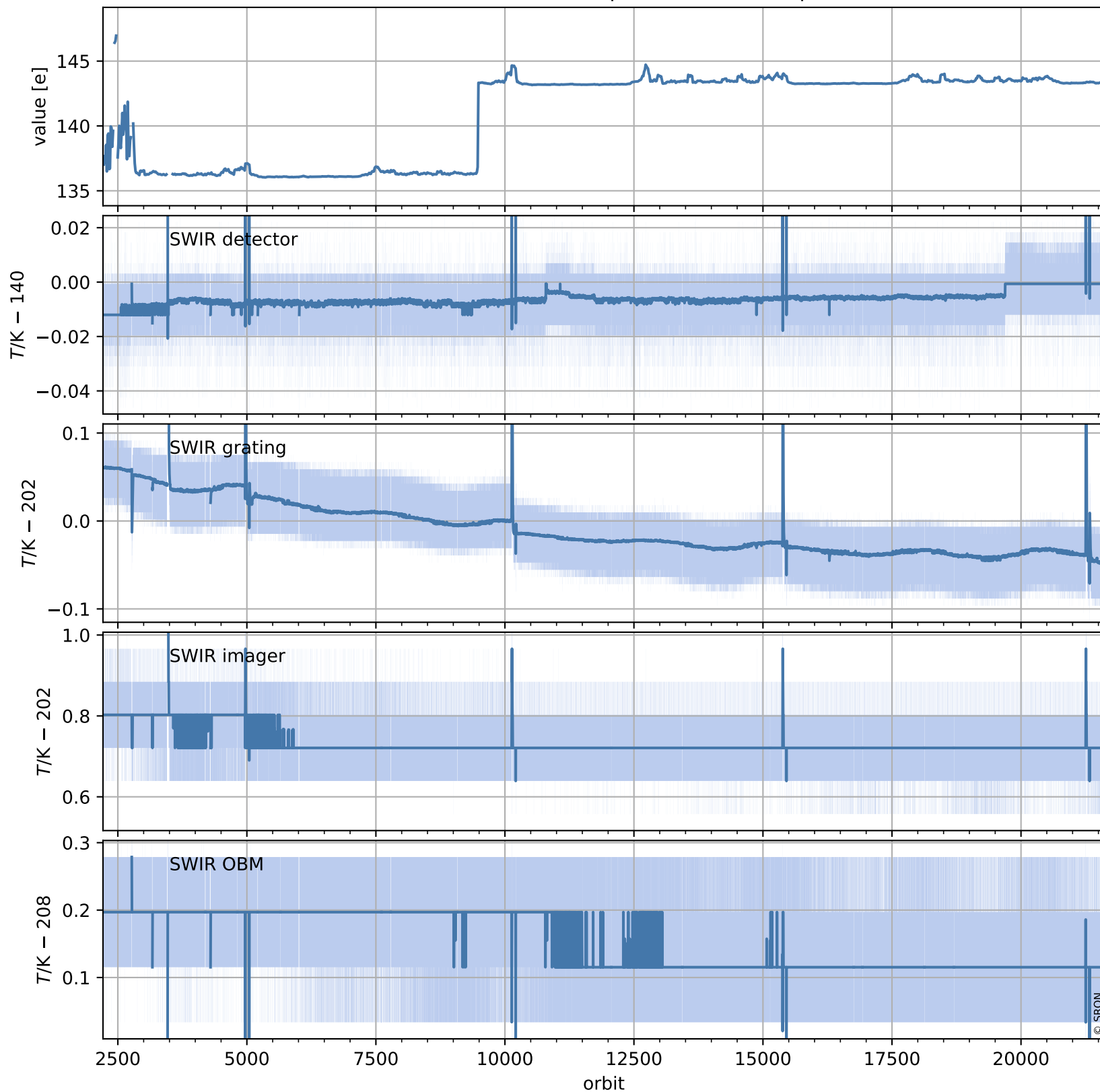
orbits : 13 in [21547, 21622]  
coverage : 2021-12-09 / 2021-12-14  
created : 2023-08-21T16:18:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 21622]  
coverage : 2018-03-18 / 2021-12-14  
created : 2023-08-21T16:18:50

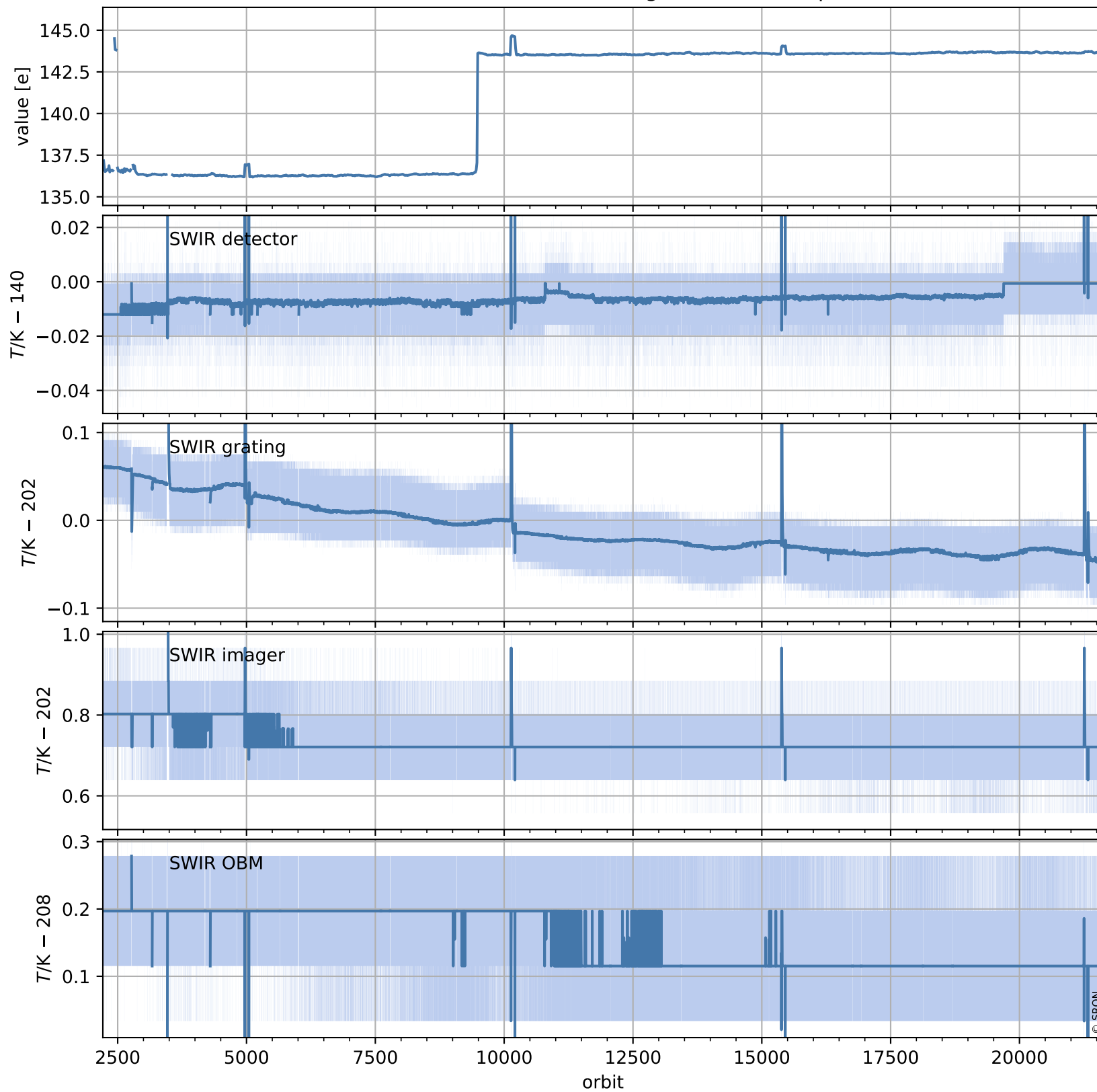
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21622]  
coverage : 2018-03-18 / 2021-12-14  
created : 2023-08-21T16:18:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21622]  
coverage : 2018-03-18 / 2021-12-14  
created : 2023-08-21T16:18:52

## trend of normalized read-noise & temperatures

