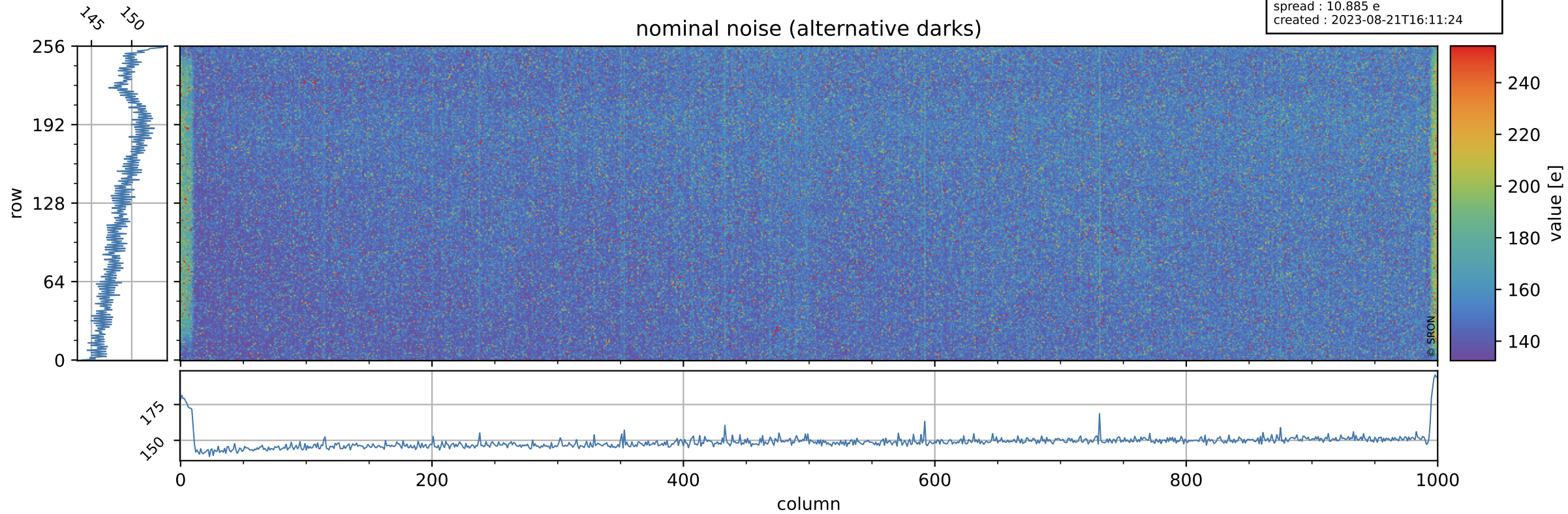


# Tropomi SWIR background noise (swir)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.885 e  
created : 2023-08-21T16:11:24

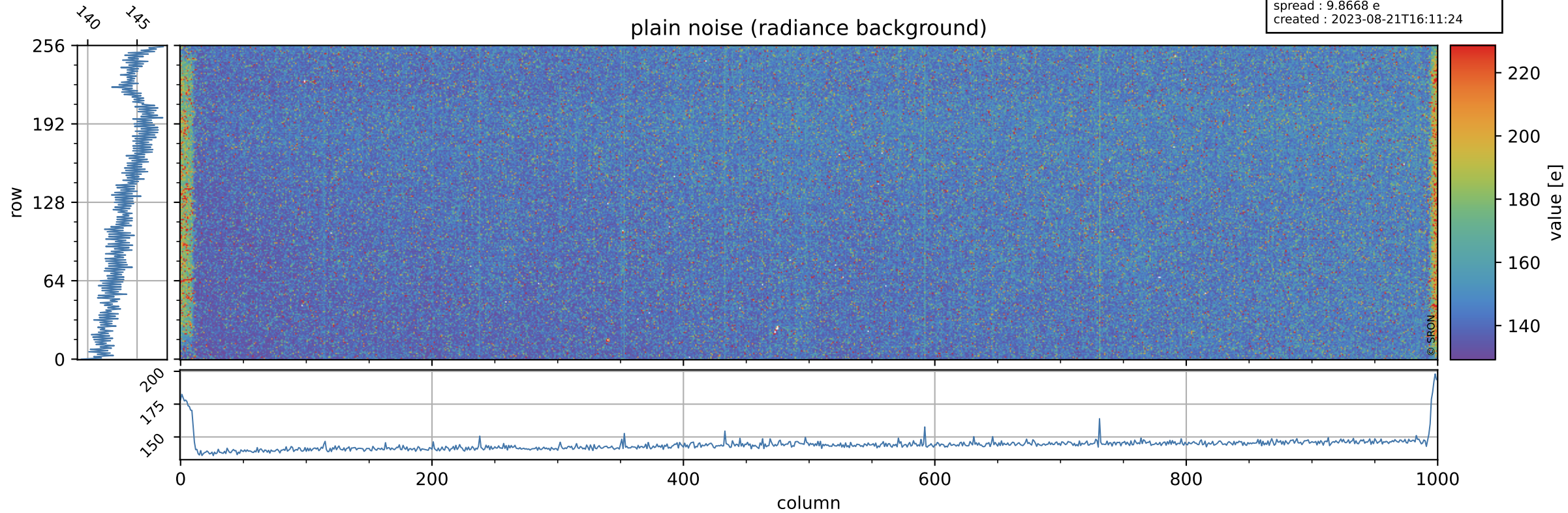
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.8668 e  
created : 2023-08-21T16:11:24

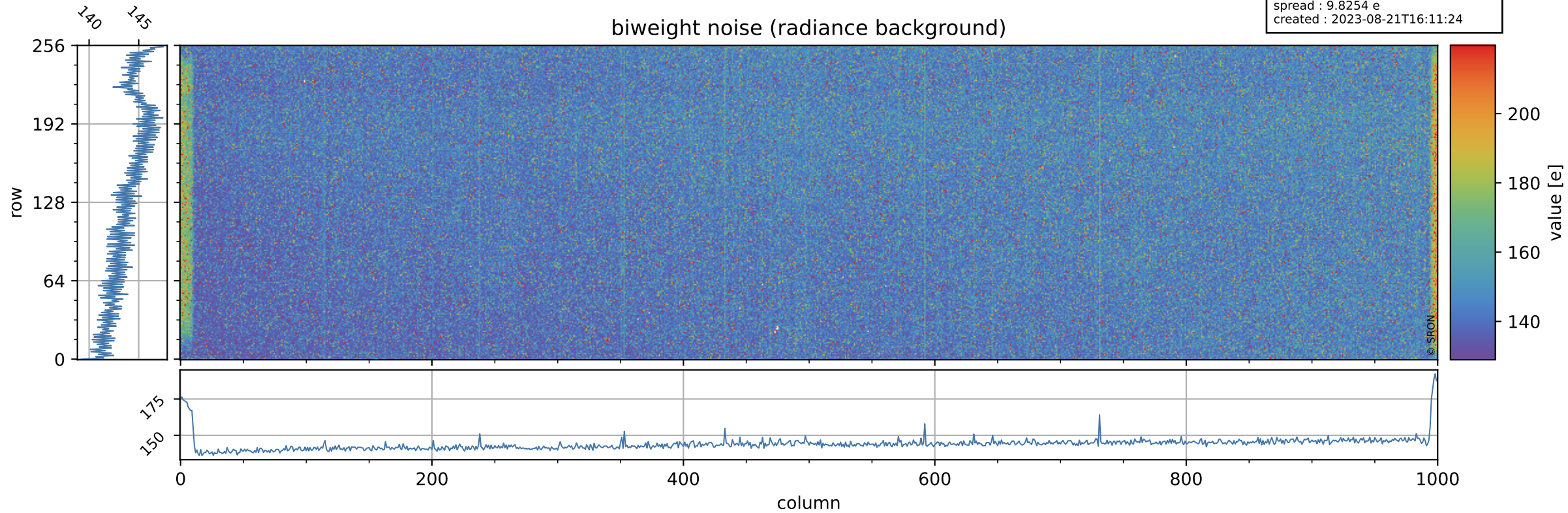
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.8254 e  
created : 2023-08-21T16:11:24

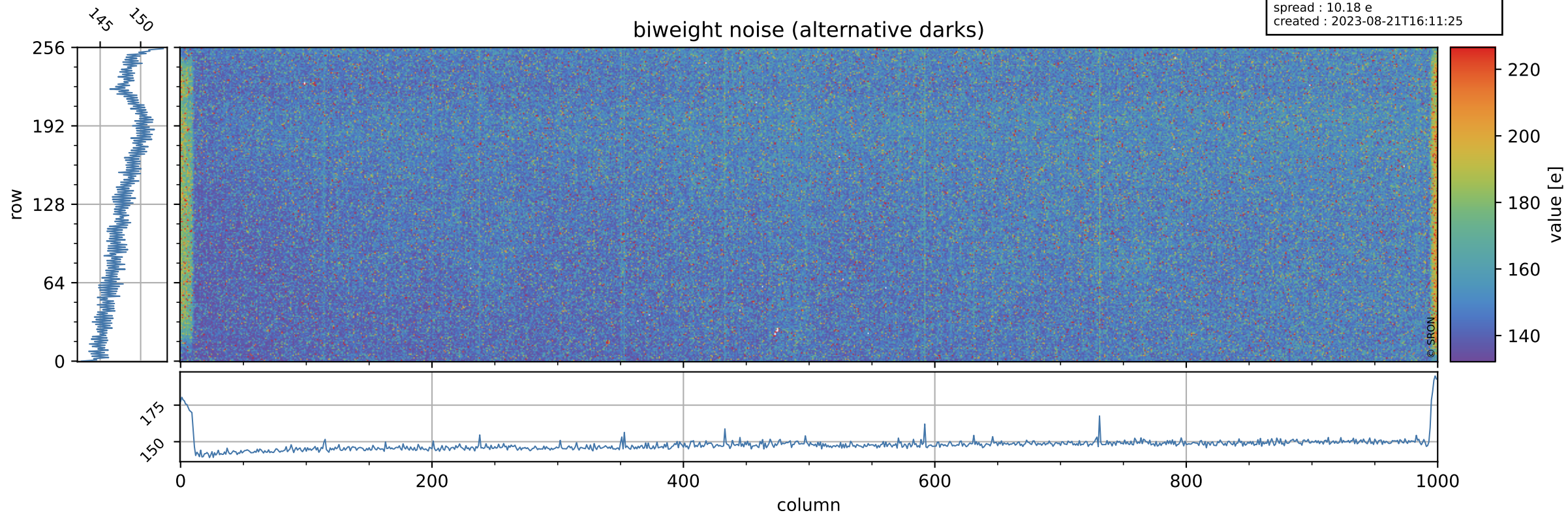
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.18 e  
created : 2023-08-21T16:11:25

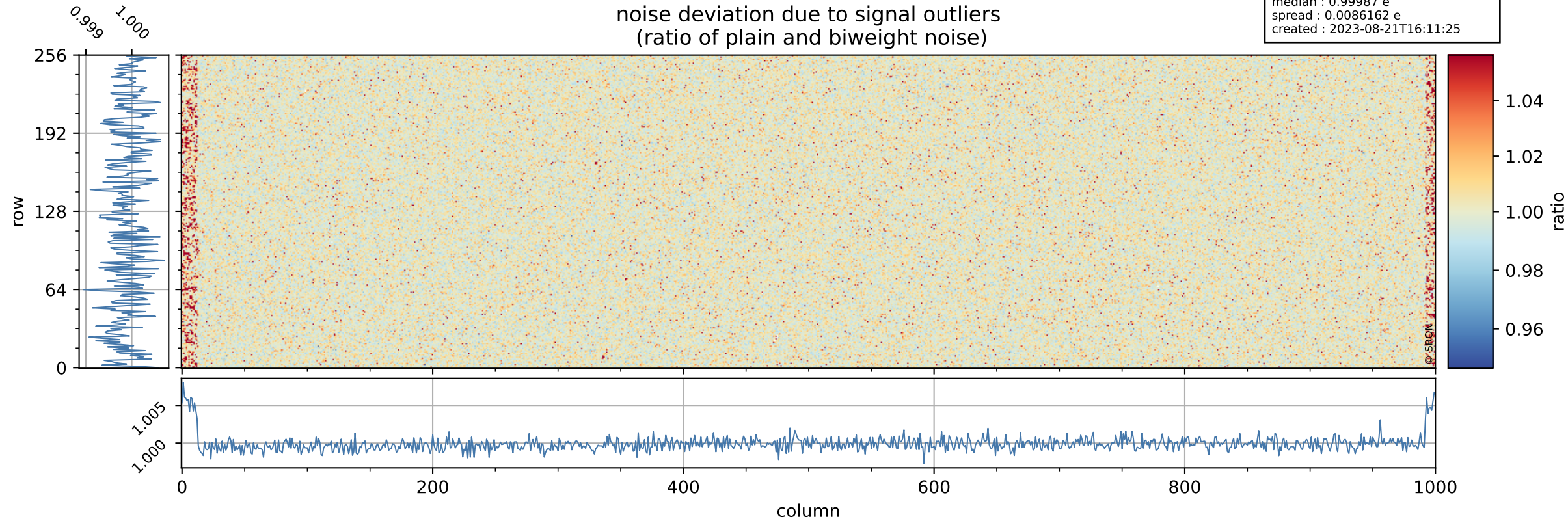
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

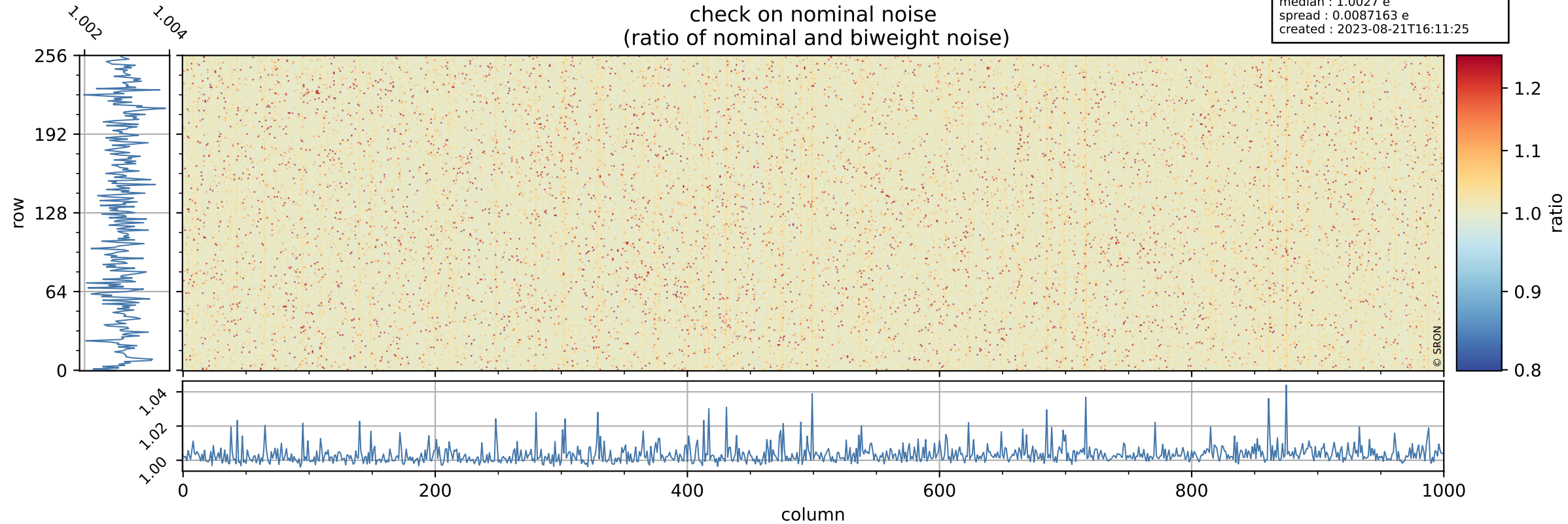
orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
median : 0.99987 e  
spread : 0.0086162 e  
created : 2023-08-21T16:11:25



# Tropomi SWIR background noise (swir)

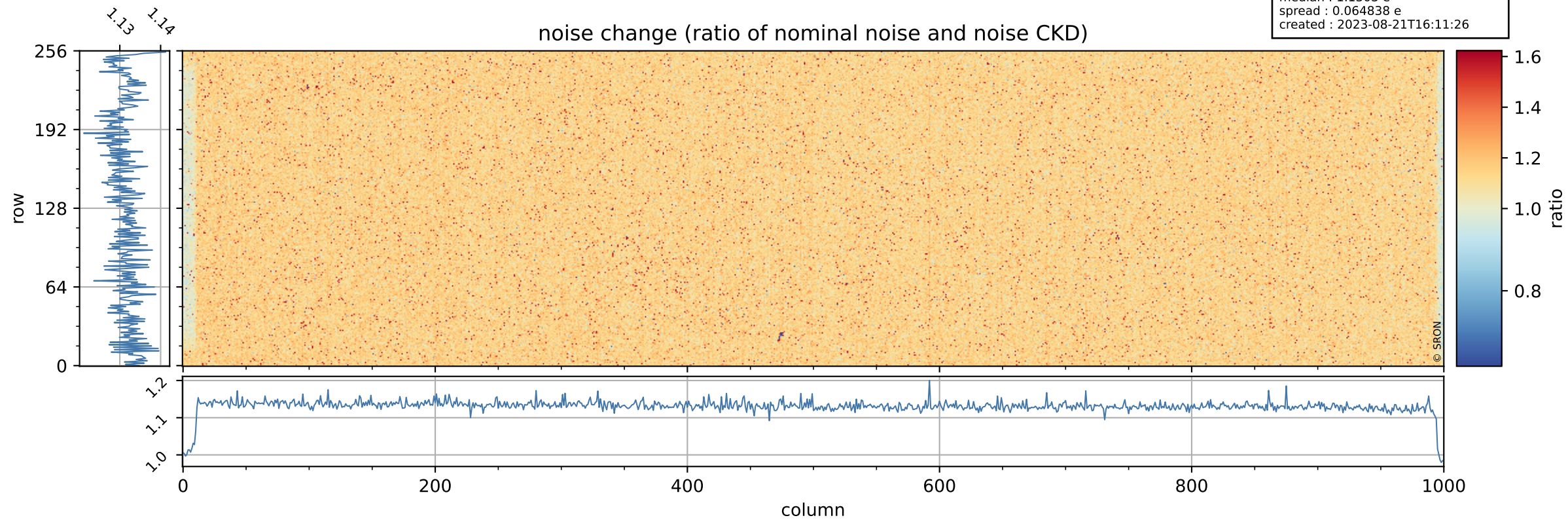
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
median : 1.0027 e  
spread : 0.0087163 e  
created : 2023-08-21T16:11:25



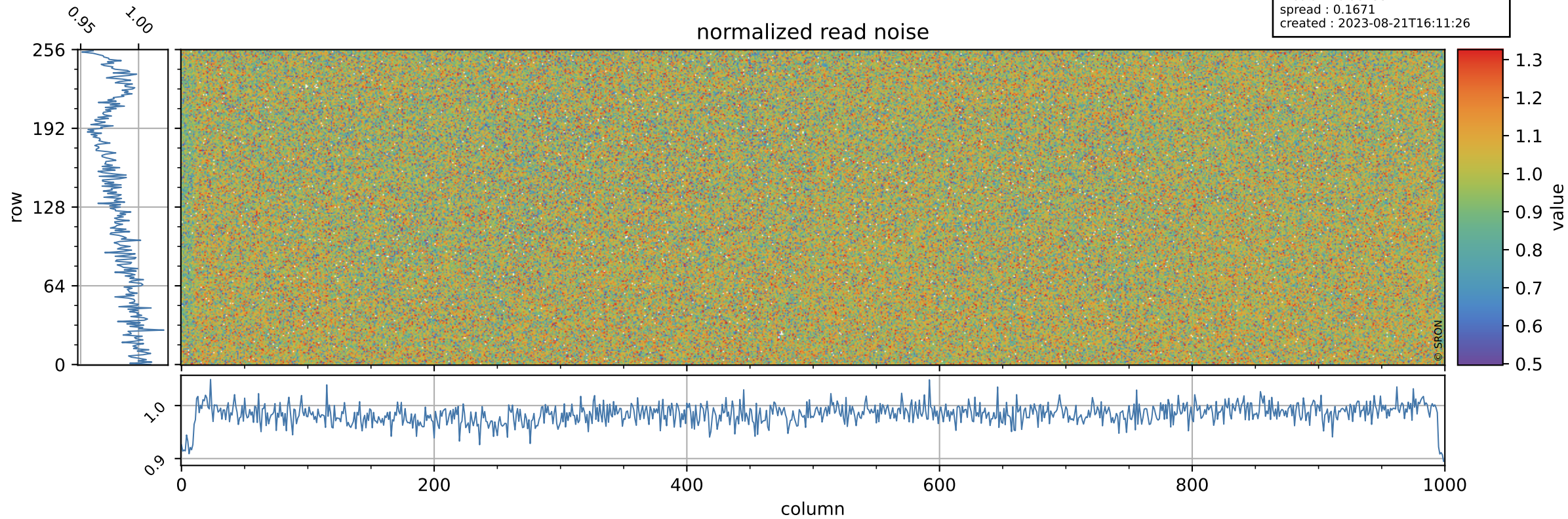
# Tropomi SWIR background noise (swir)

orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
median : 1.1303 e  
spread : 0.064838 e  
created : 2023-08-21T16:11:26



# Tropomi SWIR background noise (swir)

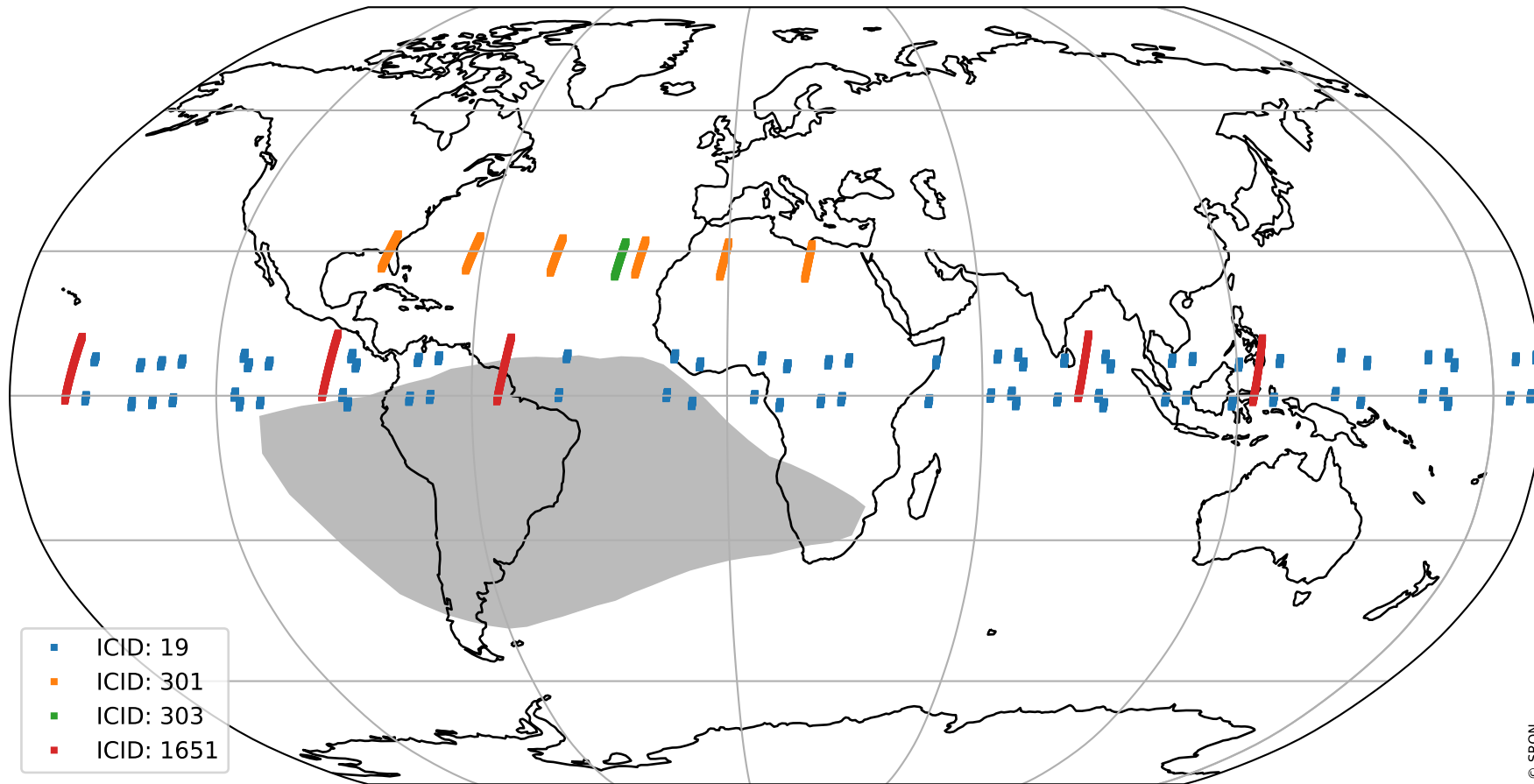
orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
median : 0.98255  
spread : 0.1671  
created : 2023-08-21T16:11:26





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

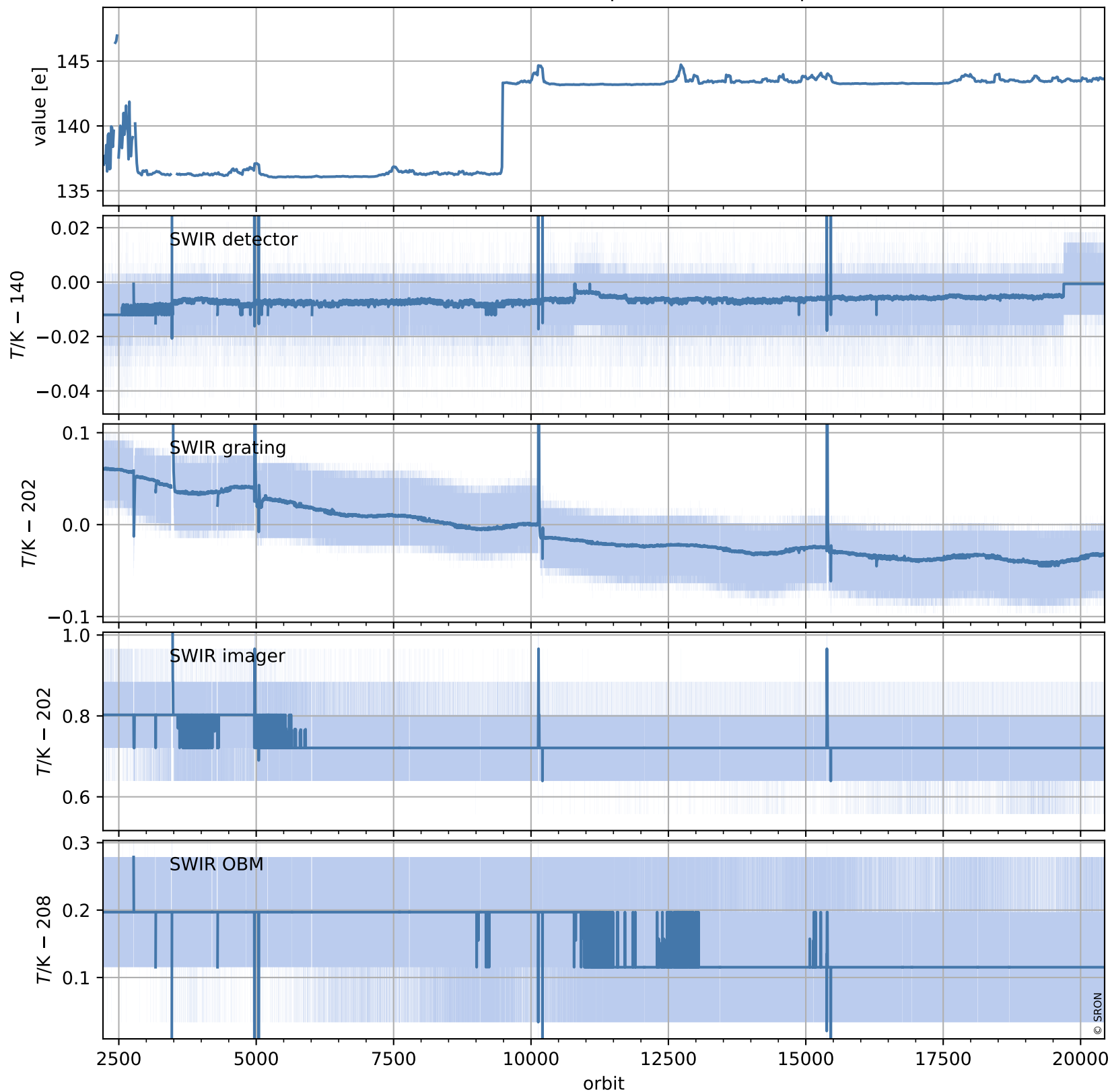
orbits : 12 in [20362, 20437]  
coverage : 2021-09-16 / 2021-09-22  
created : 2023-08-21T16:11:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 20437]  
coverage : 2018-03-18 / 2021-09-22  
created : 2023-08-21T16:11:26

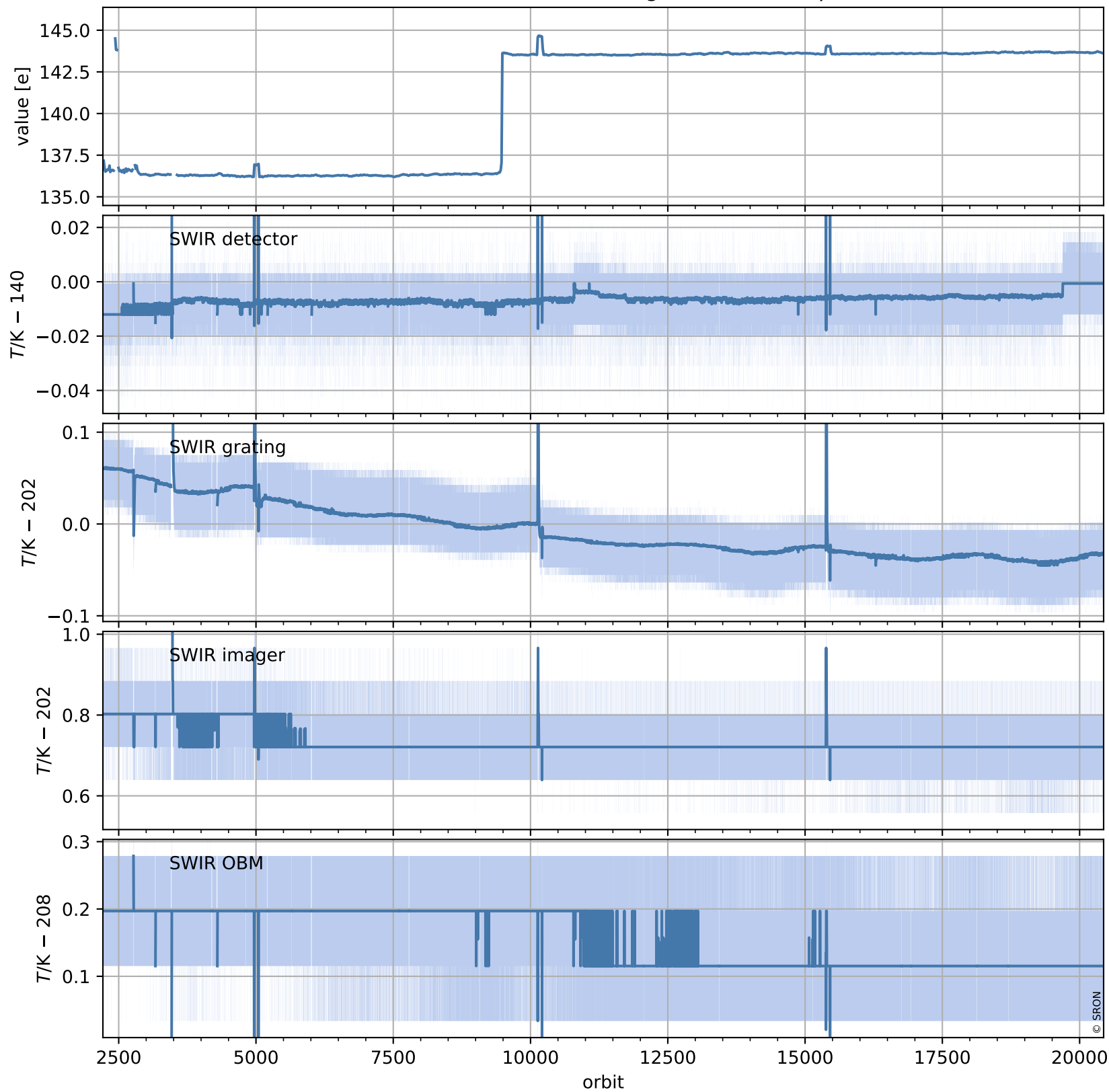
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20437]  
coverage : 2018-03-18 / 2021-09-22  
created : 2023-08-21T16:11:27

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20437]  
coverage : 2018-03-18 / 2021-09-22  
created : 2023-08-21T16:11:28

## trend of normalized read-noise & temperatures

