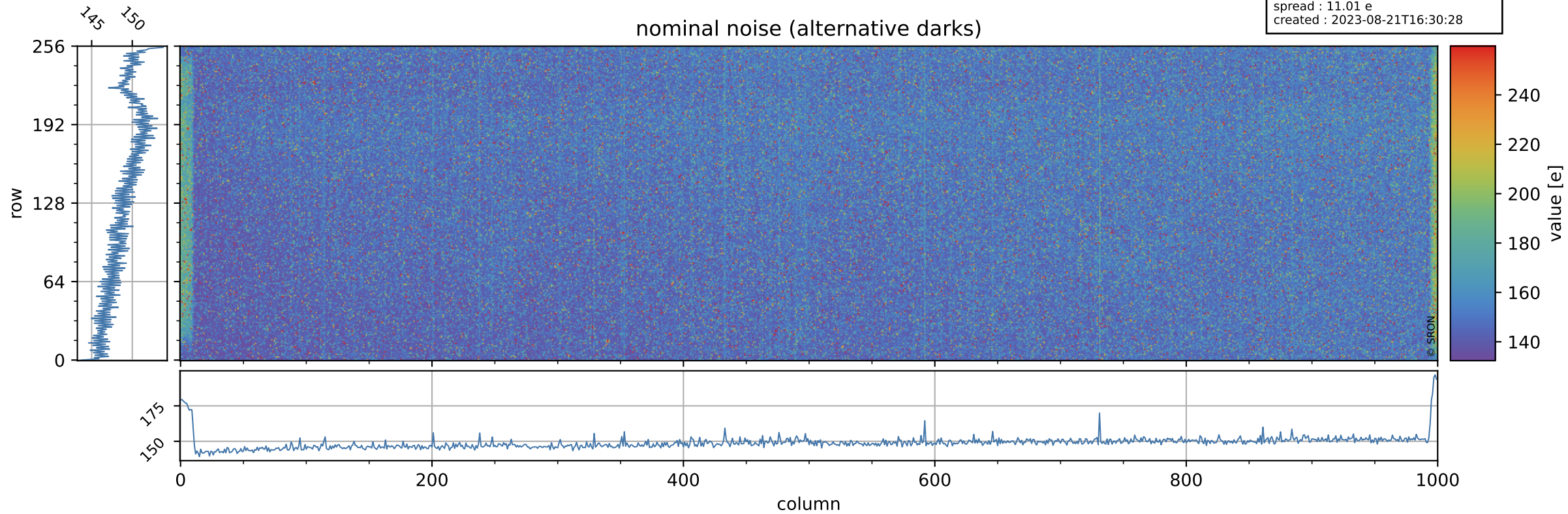


# Tropomi SWIR background noise (swir)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.83 e  
spread : 11.01 e  
created : 2023-08-21T16:30:28

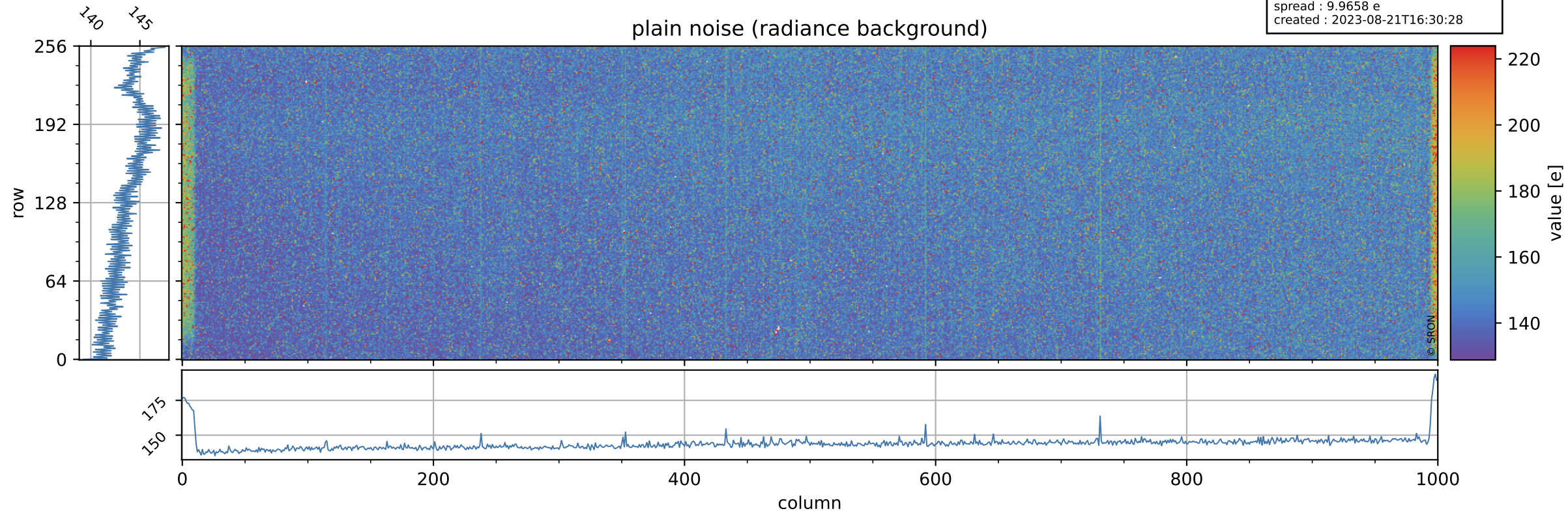
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.63 e  
spread : 9.9658 e  
created : 2023-08-21T16:30:28

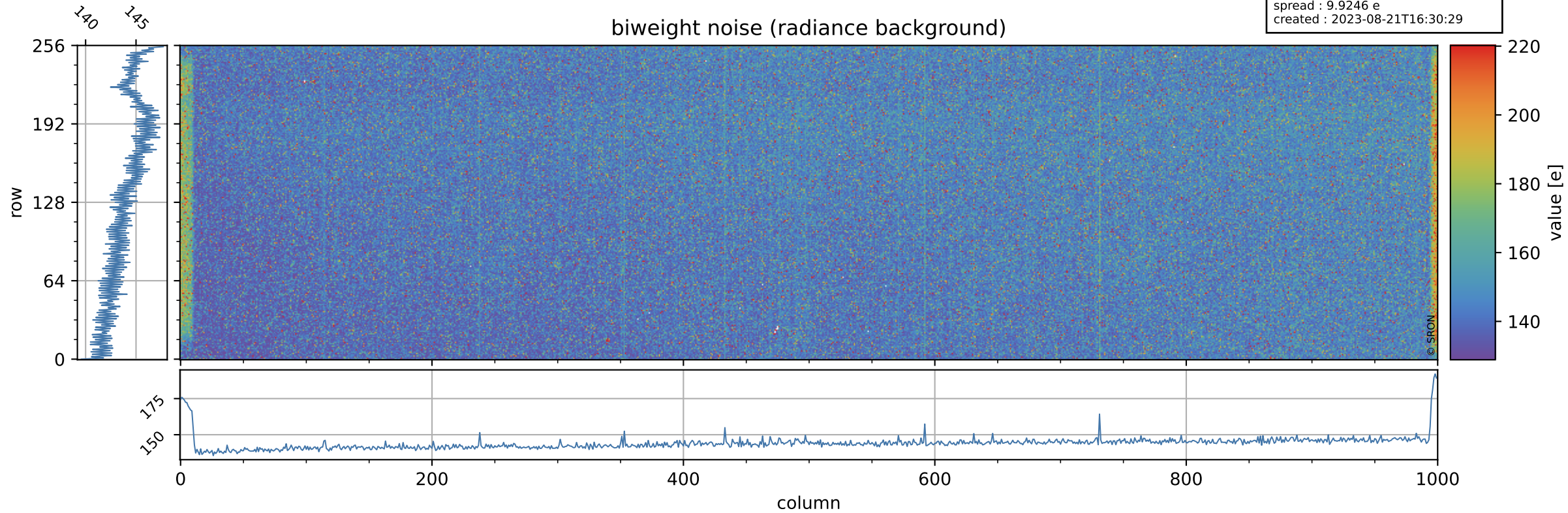
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.9246 e  
created : 2023-08-21T16:30:29

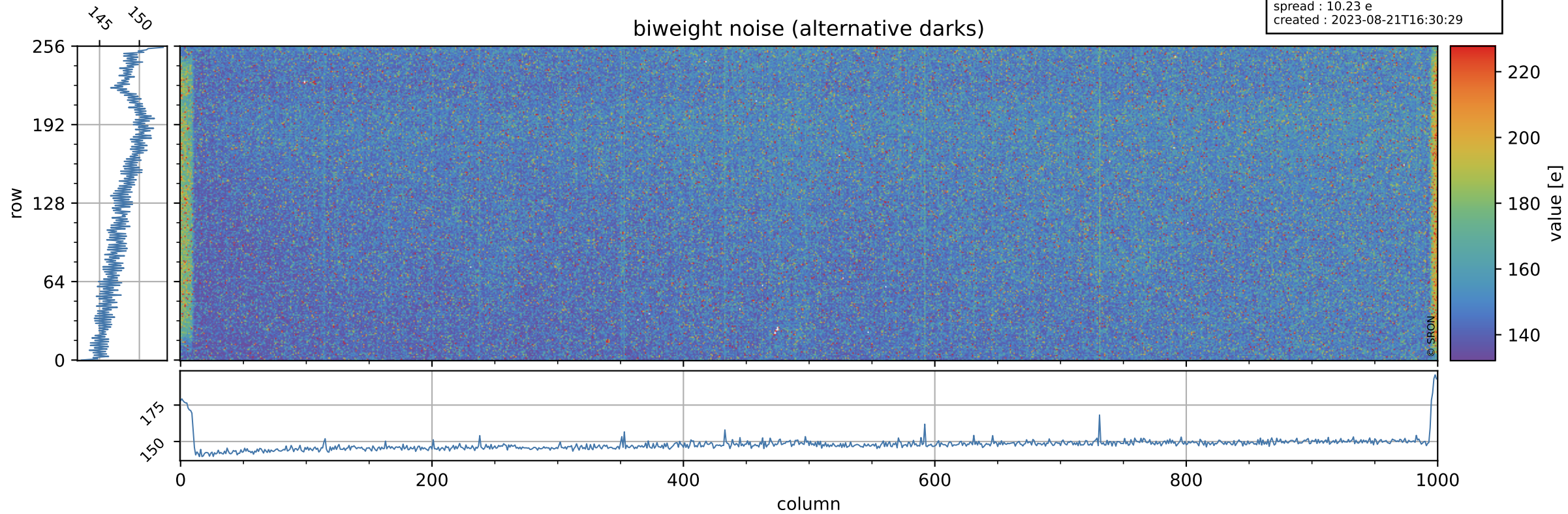
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.83 e  
spread : 10.23 e  
created : 2023-08-21T16:30:29

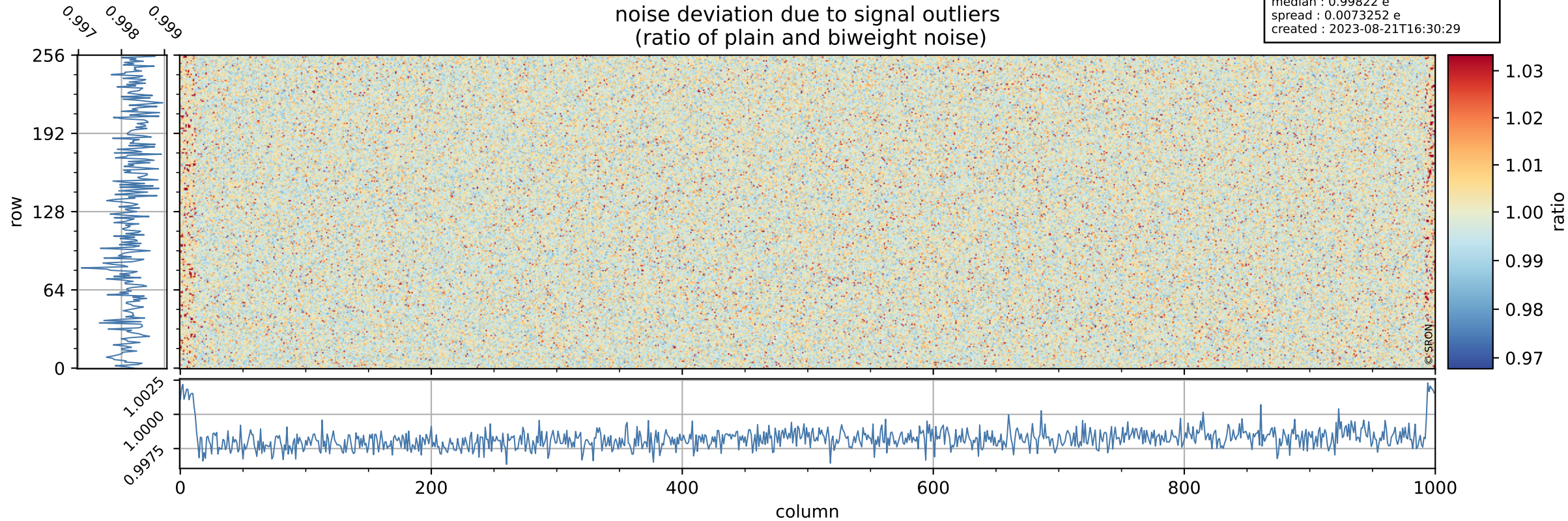
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

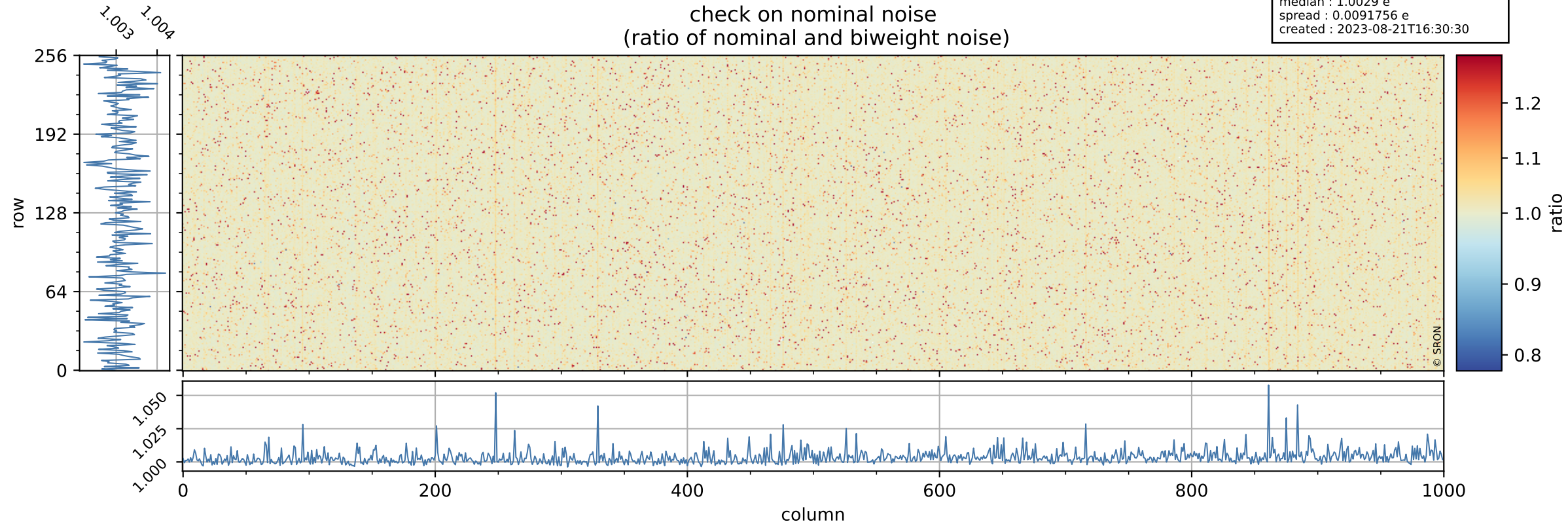
orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
median : 0.99822 e  
spread : 0.0073252 e  
created : 2023-08-21T16:30:29



# Tropomi SWIR background noise (swir)

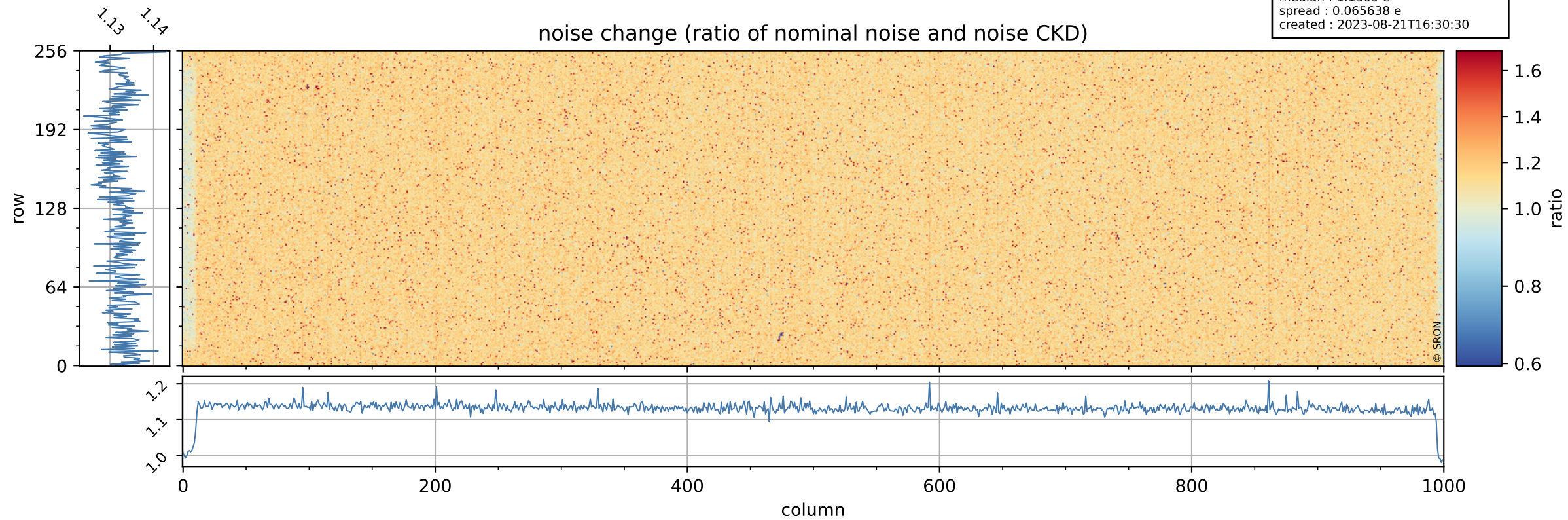
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
median : 1.0029 e  
spread : 0.0091756 e  
created : 2023-08-21T16:30:30



# Tropomi SWIR background noise (swir)

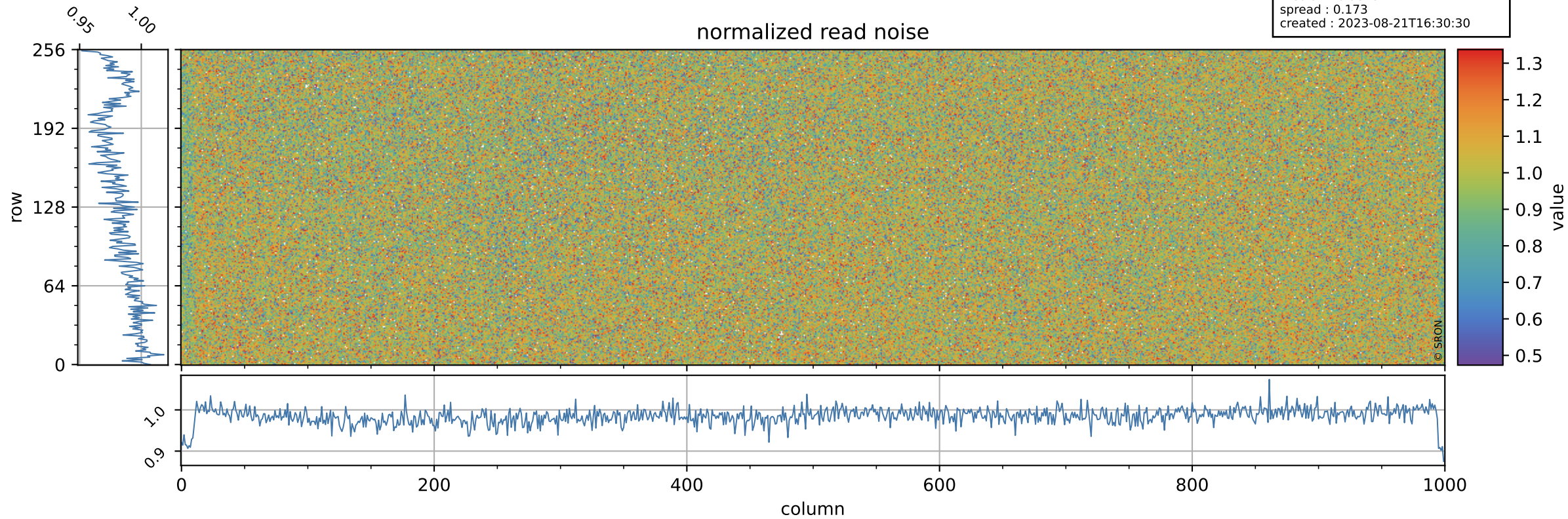
orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
median : 1.1309 e  
spread : 0.065638 e  
created : 2023-08-21T16:30:30



# Tropomi SWIR background noise (swir)

orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
median : 0.9829  
spread : 0.173  
created : 2023-08-21T16:30:30

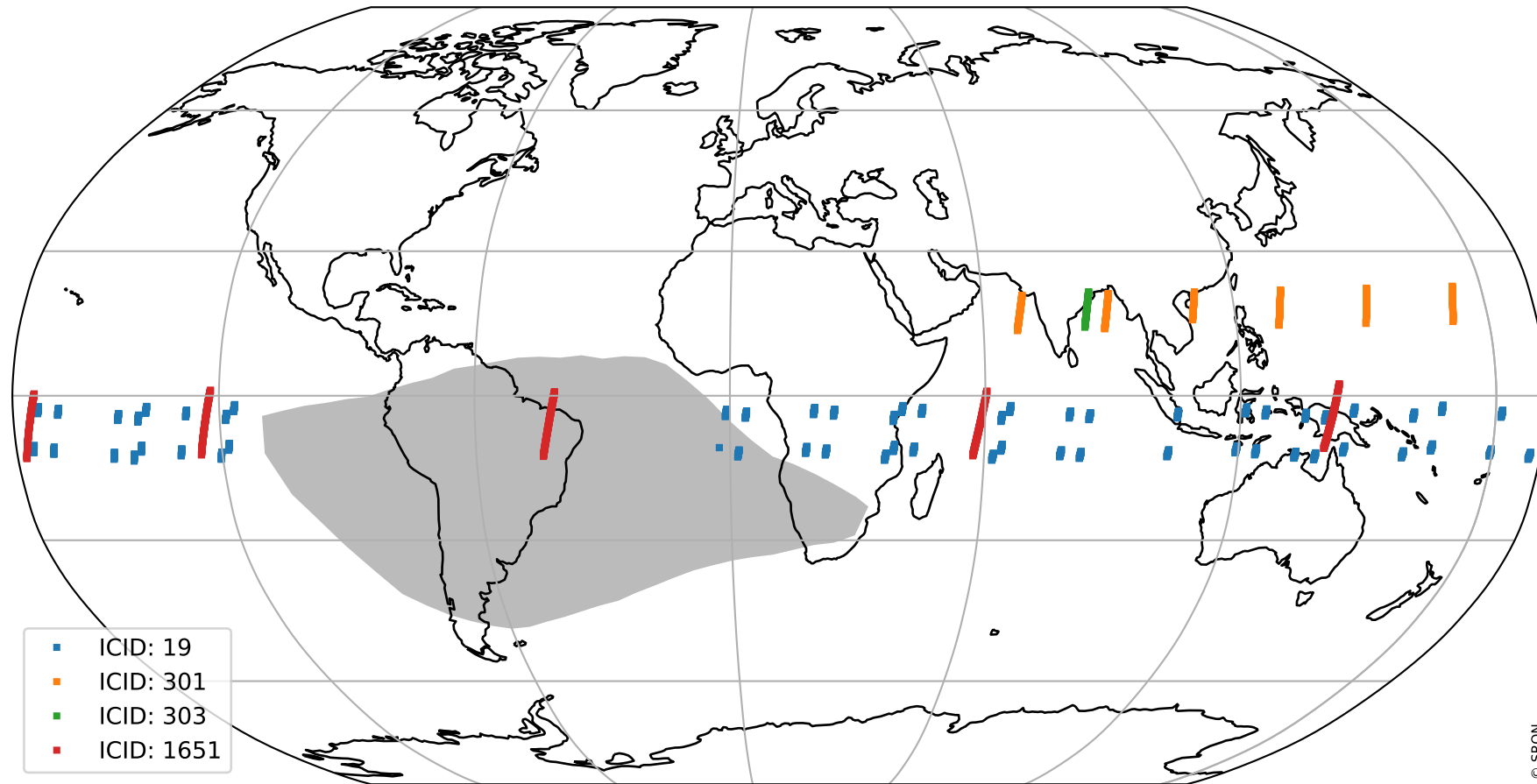
normalized read noise





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

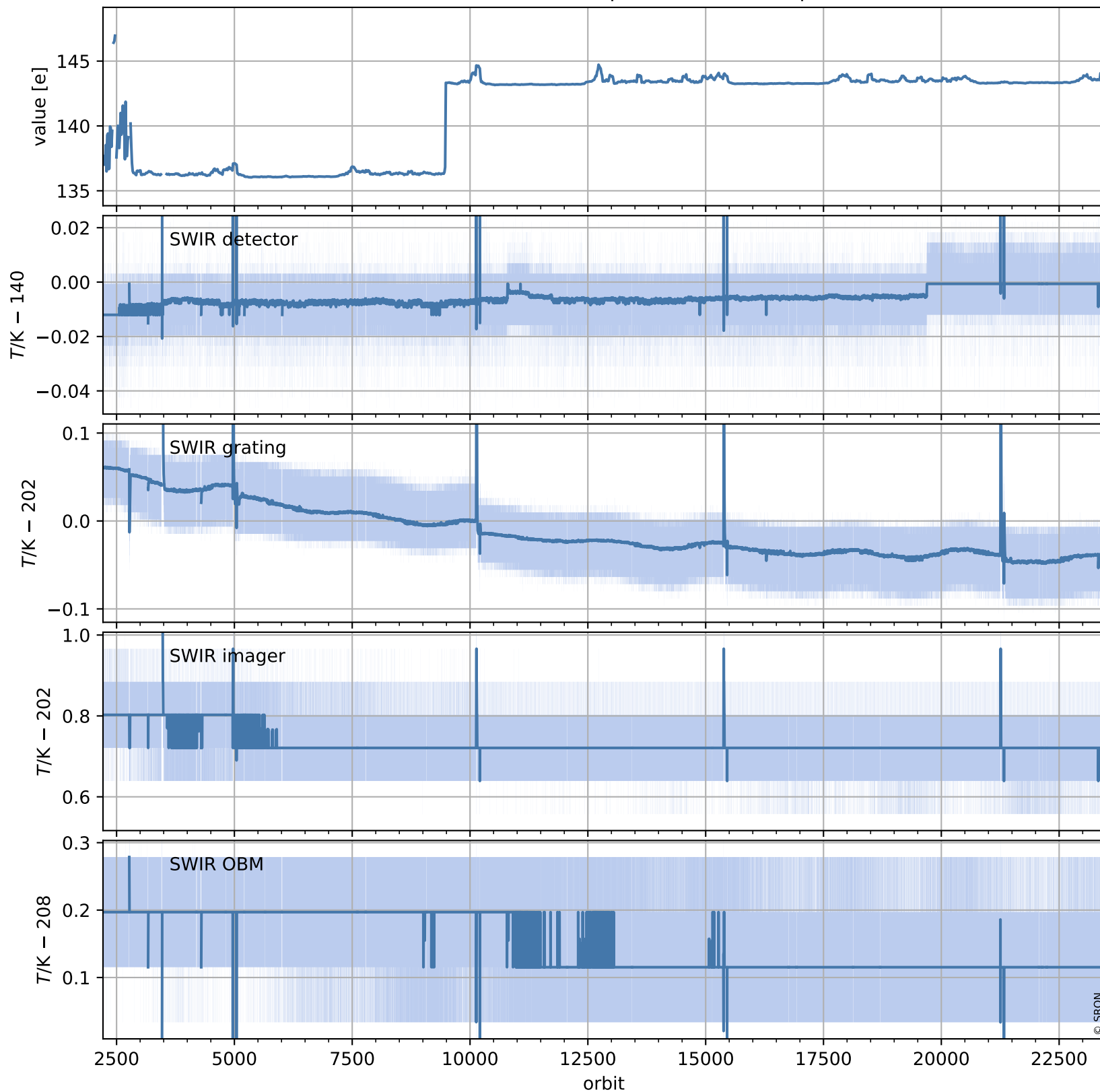
orbits : 12 in [23377, 23467]  
coverage : 2022-04-18 / 2022-04-24  
created : 2023-08-21T16:30:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 23467]  
coverage : 2018-03-18 / 2022-04-24  
created : 2023-08-21T16:30:31

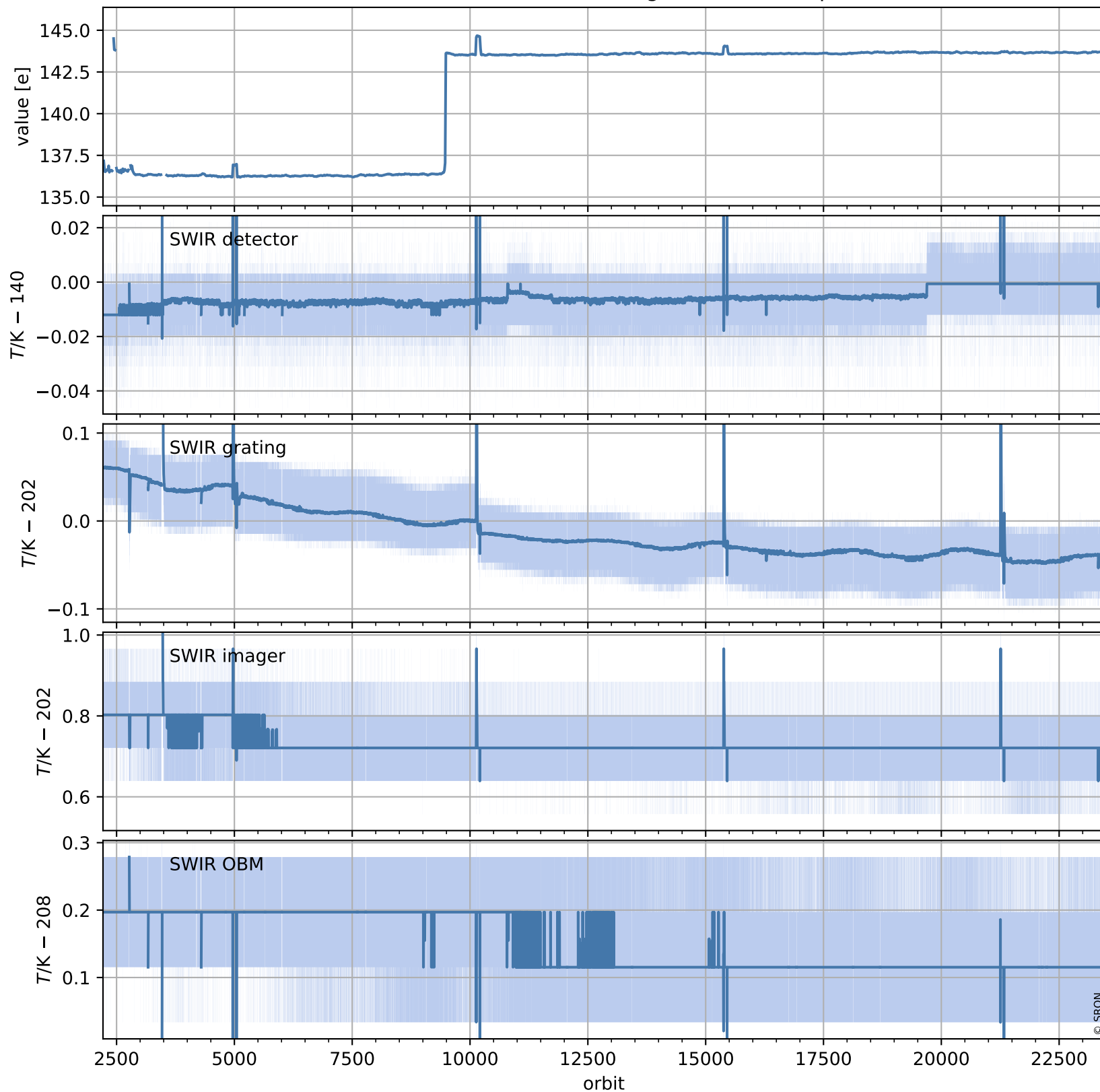
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23467]  
coverage : 2018-03-18 / 2022-04-24  
created : 2023-08-21T16:30:32

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23467]  
coverage : 2018-03-18 / 2022-04-24  
created : 2023-08-21T16:30:33

## trend of normalized read-noise & temperatures

