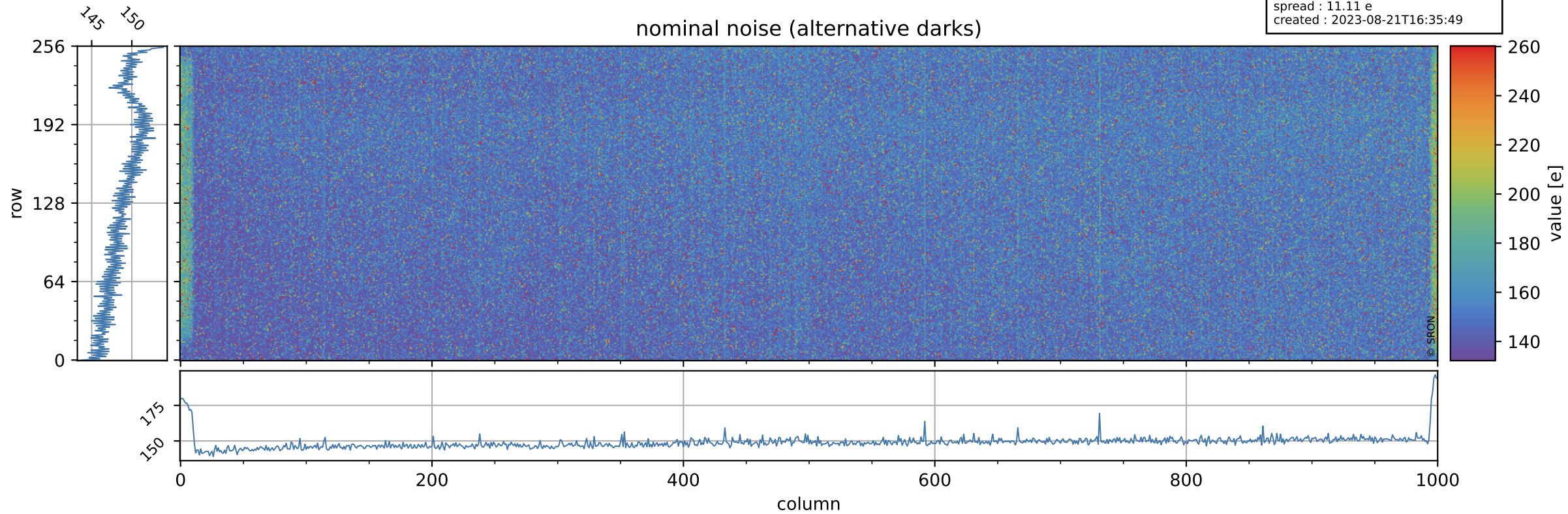


# Tropomi SWIR background noise (swir)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.8 e  
spread : 11.11 e  
created : 2023-08-21T16:35:49

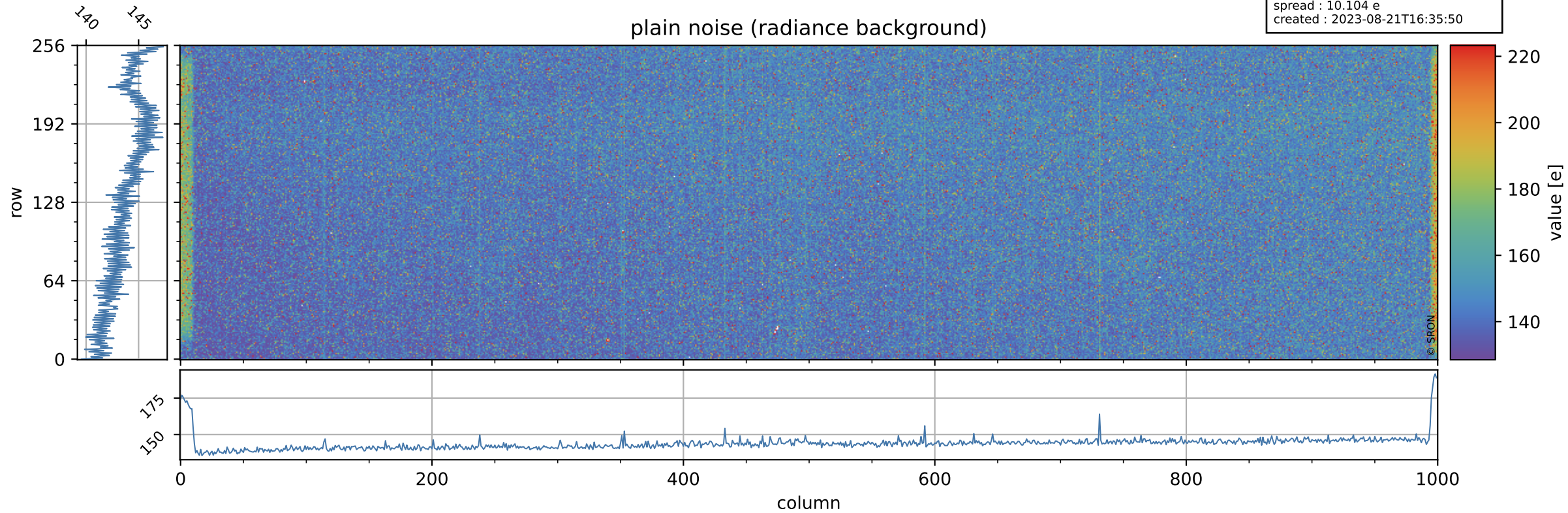
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 10.104 e  
created : 2023-08-21T16:35:50

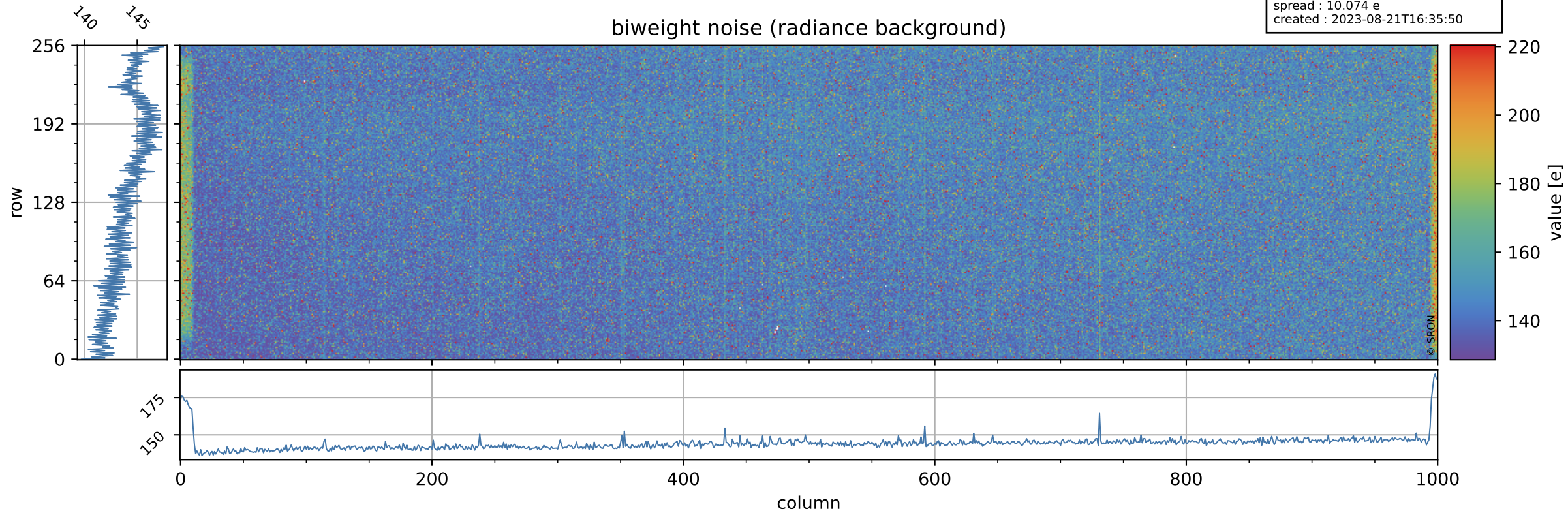
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.92 e  
spread : 10.074 e  
created : 2023-08-21T16:35:50

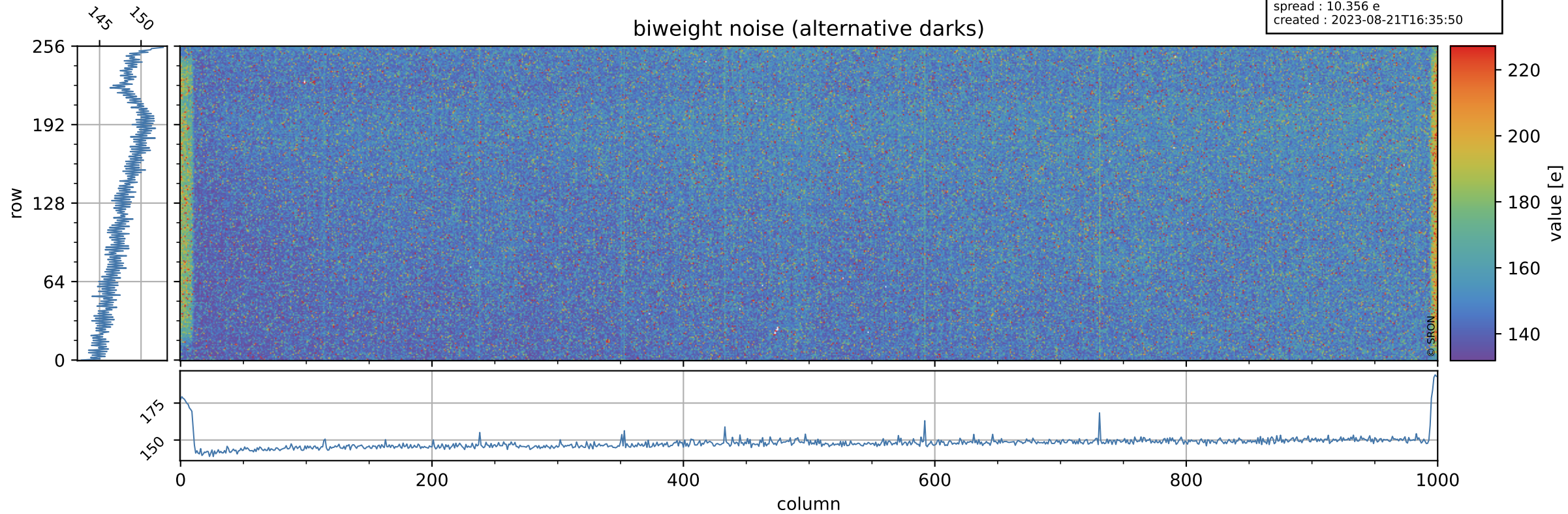
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.356 e  
created : 2023-08-21T16:35:50

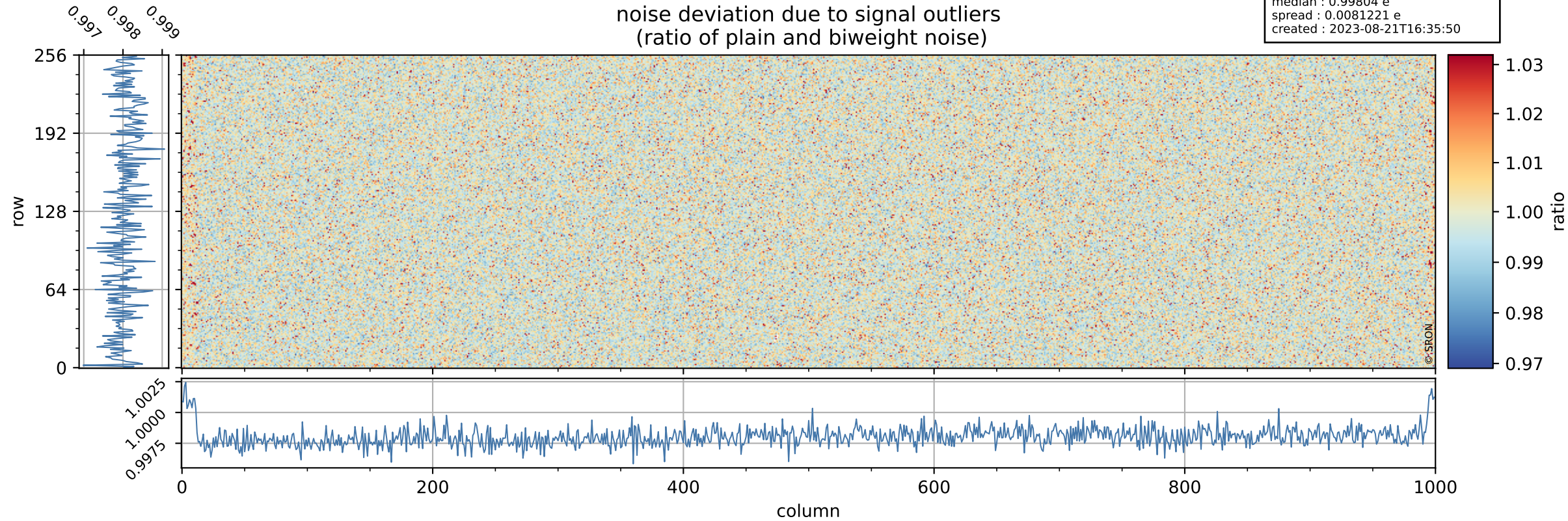
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

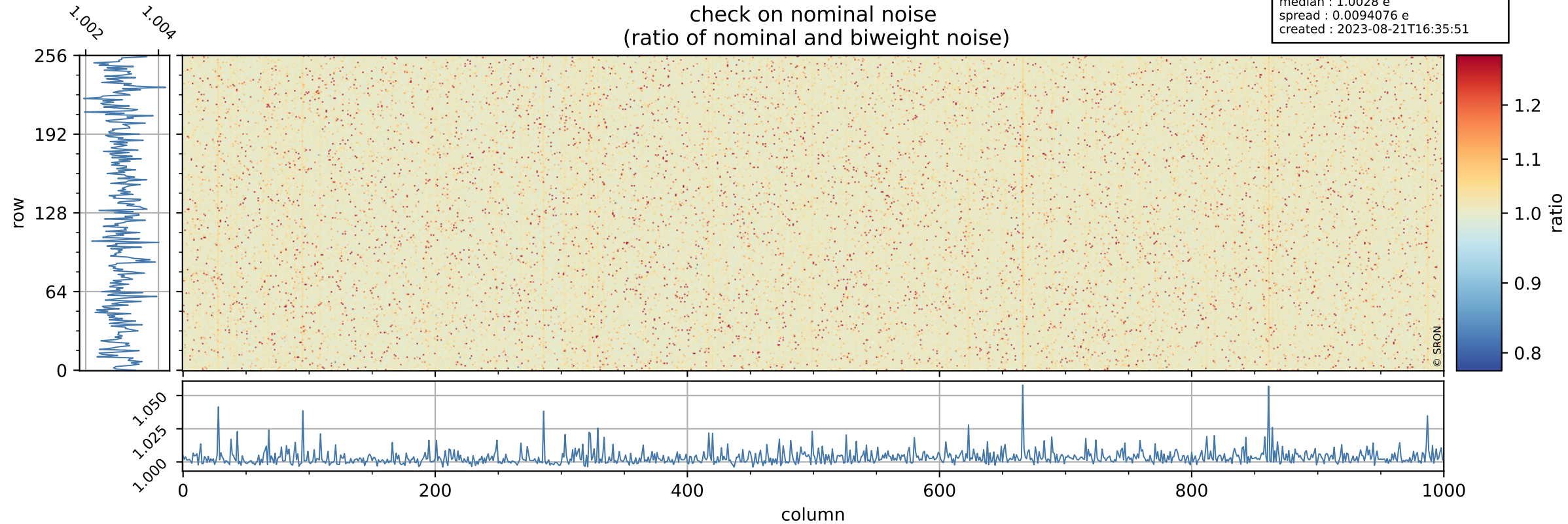
orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
median : 0.99804 e  
spread : 0.0081221 e  
created : 2023-08-21T16:35:50



# Tropomi SWIR background noise (swir)

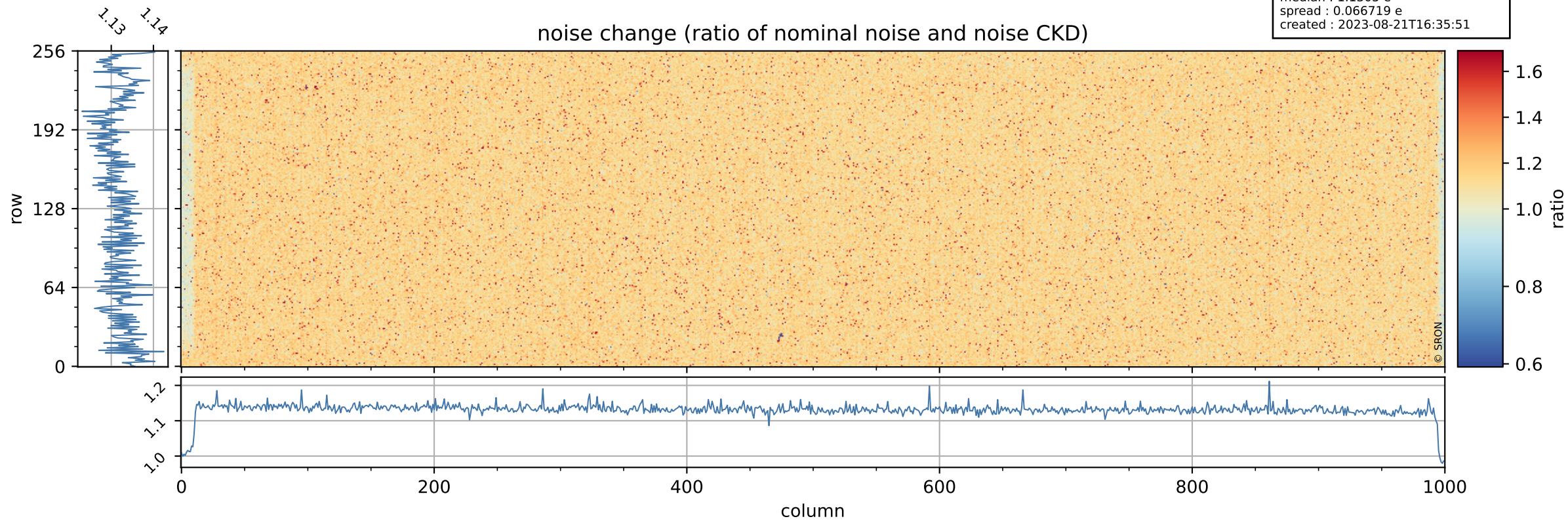
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
median : 1.0028 e  
spread : 0.0094076 e  
created : 2023-08-21T16:35:51



# Tropomi SWIR background noise (swir)

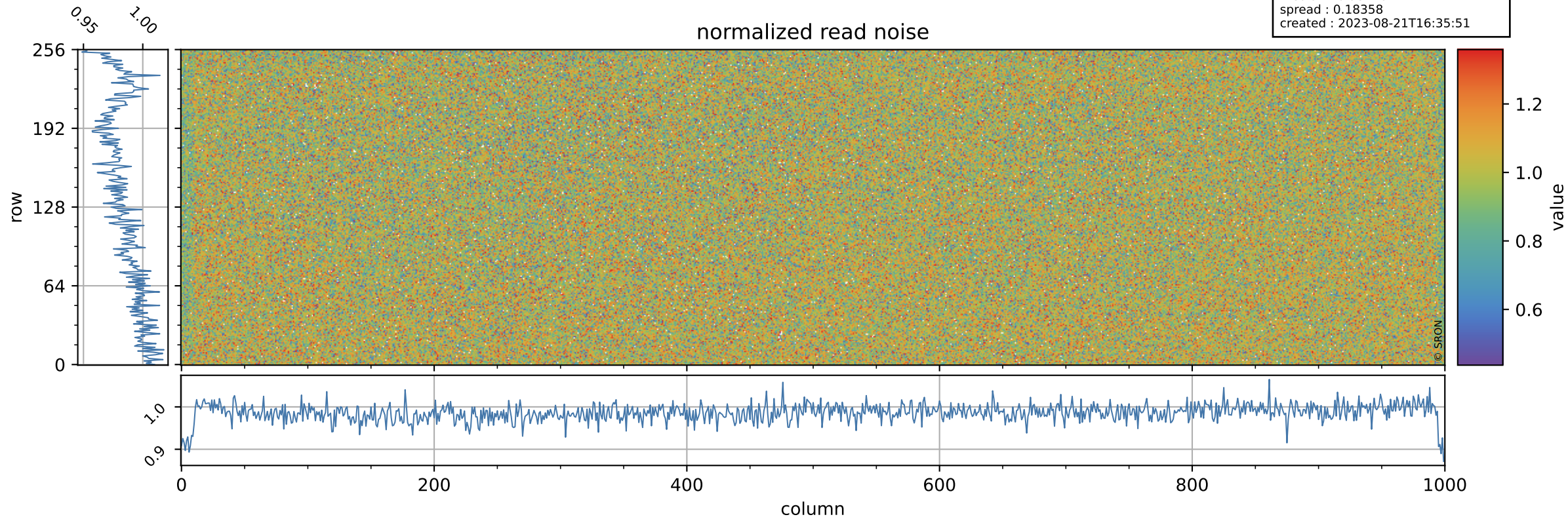
orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
median : 1.1305 e  
spread : 0.066719 e  
created : 2023-08-21T16:35:51



# Tropomi SWIR background noise (swir)

orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
median : 0.98426  
spread : 0.18358  
created : 2023-08-21T16:35:51

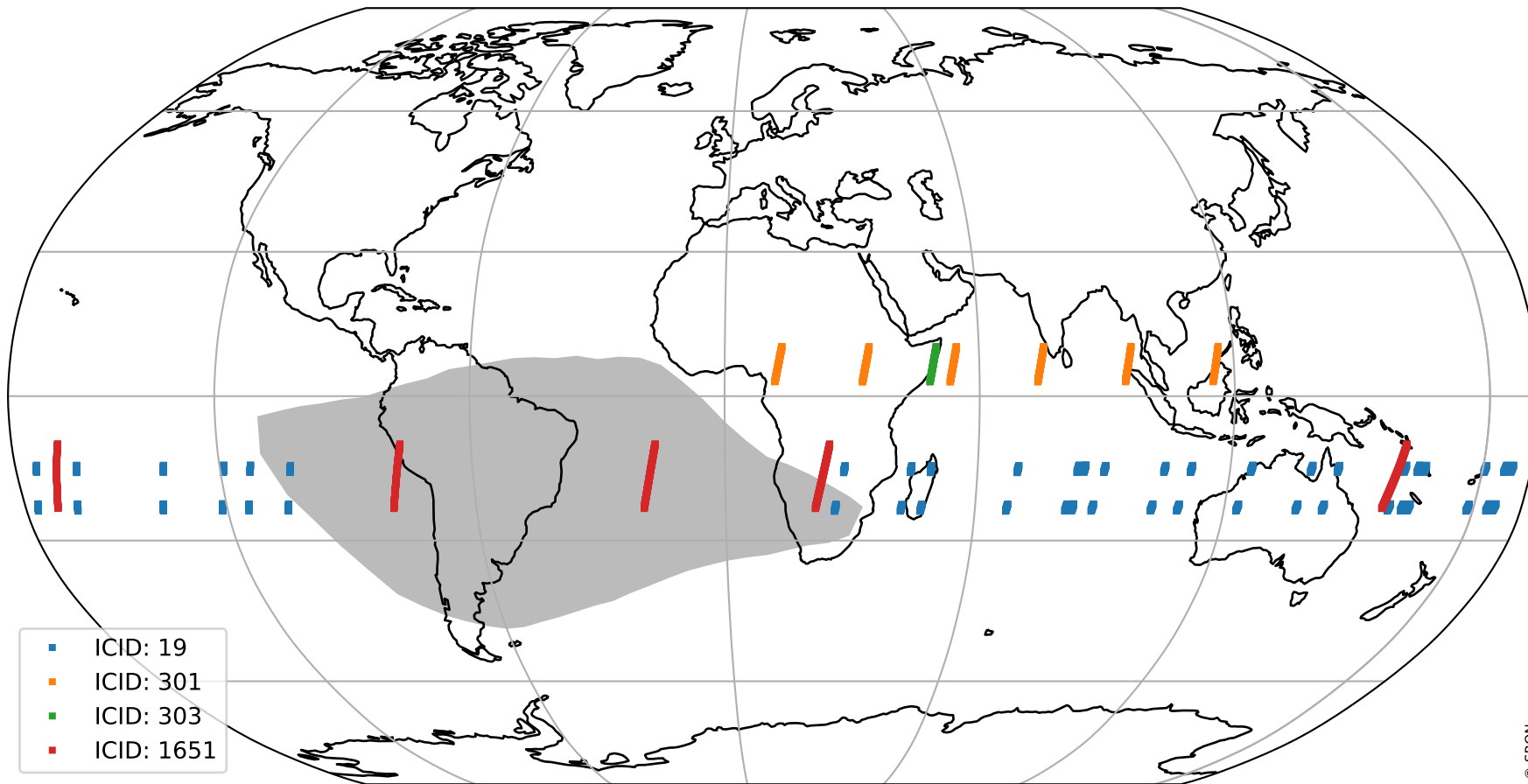
normalized read noise





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

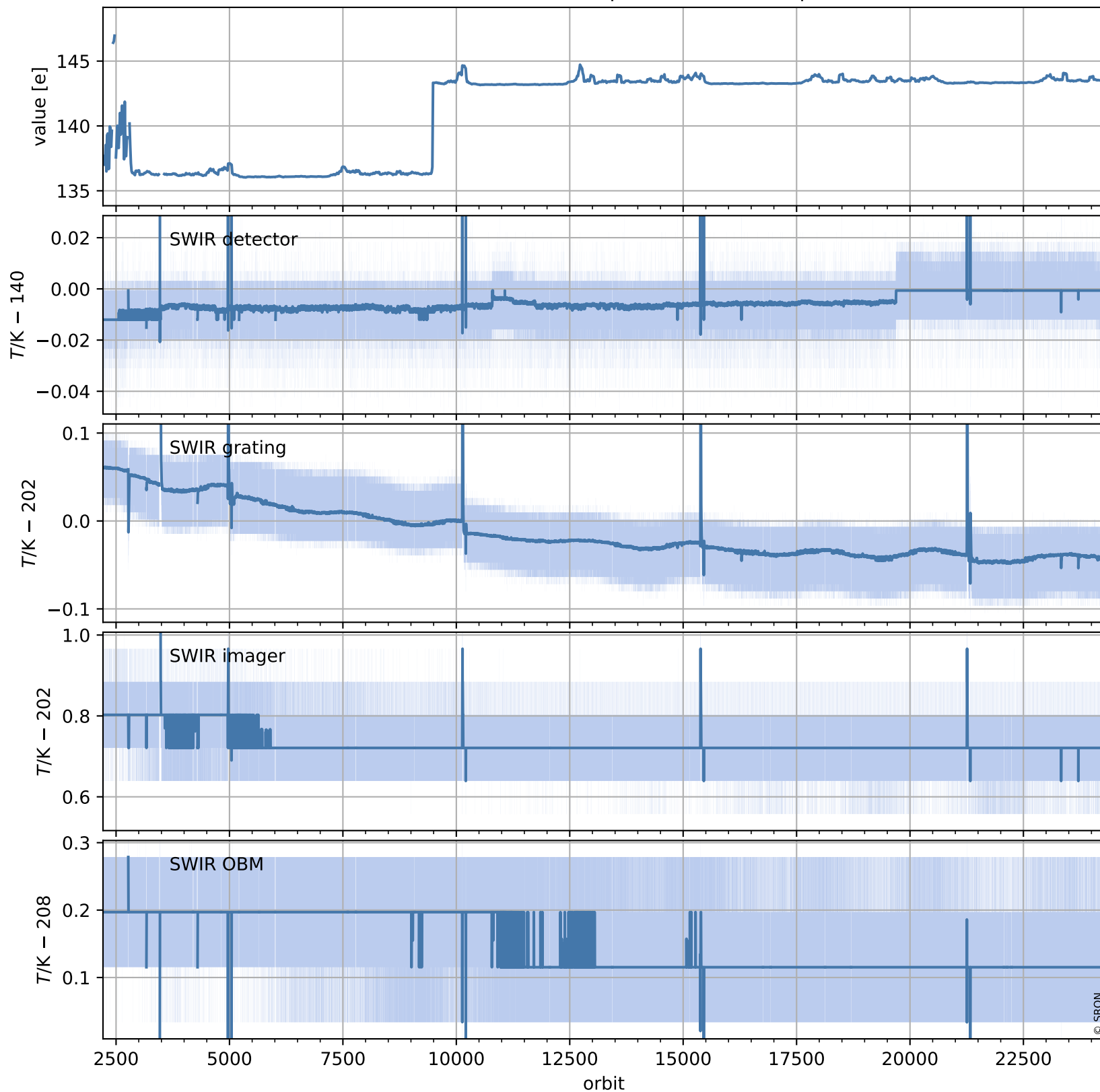
orbits : 12 in [24202, 24292]  
coverage : 2022-06-15 / 2022-06-21  
created : 2023-08-21T16:35:52



# Tropomi SWIR background noise (swir)

orbits : [2212, 24292]  
coverage : 2018-03-18 / 2022-06-21  
created : 2023-08-21T16:35:52

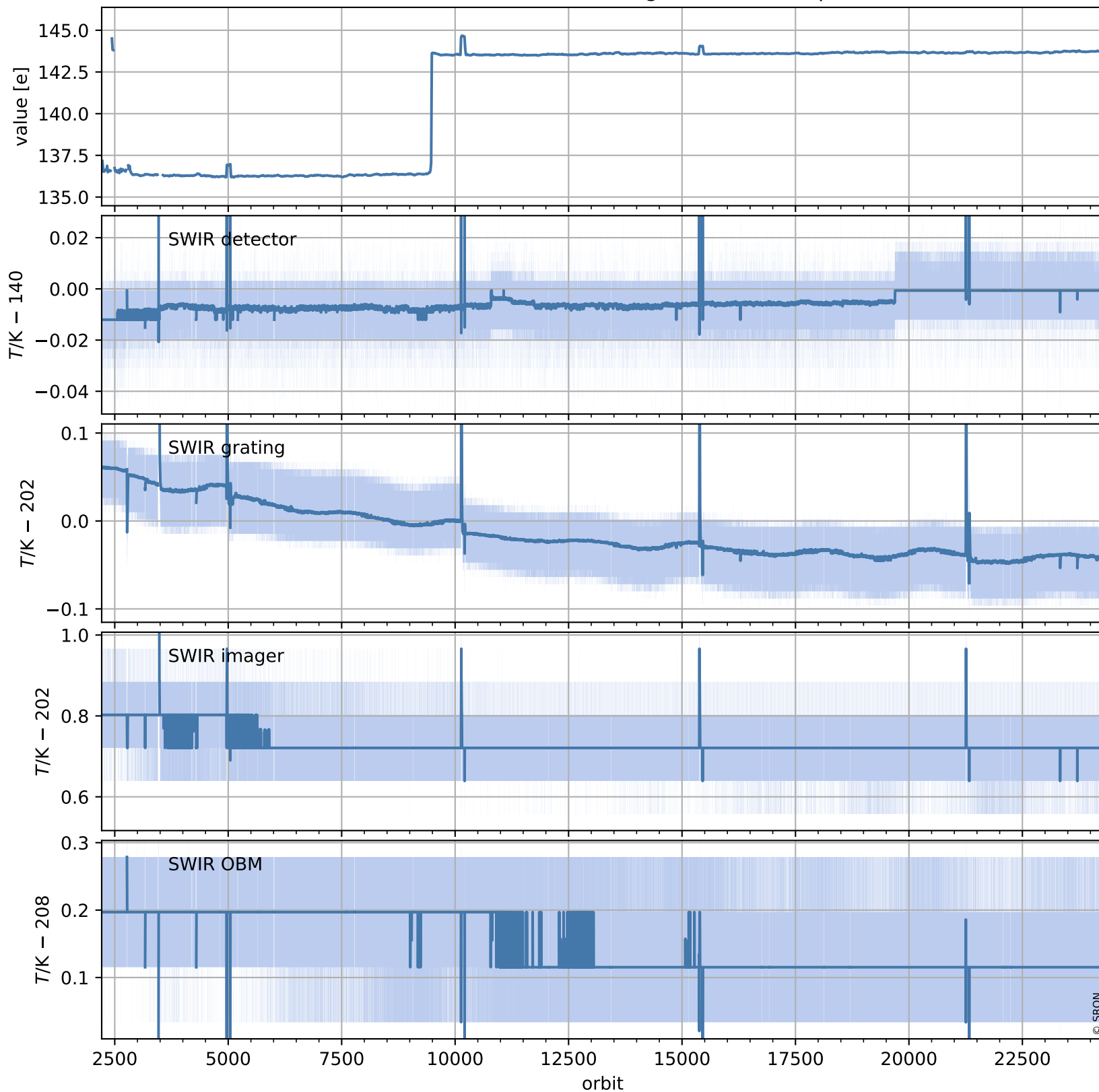
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24292]  
coverage : 2018-03-18 / 2022-06-21  
created : 2023-08-21T16:35:53

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24292]  
coverage : 2018-03-18 / 2022-06-21  
created : 2023-08-21T16:35:54

## trend of normalized read-noise & temperatures

