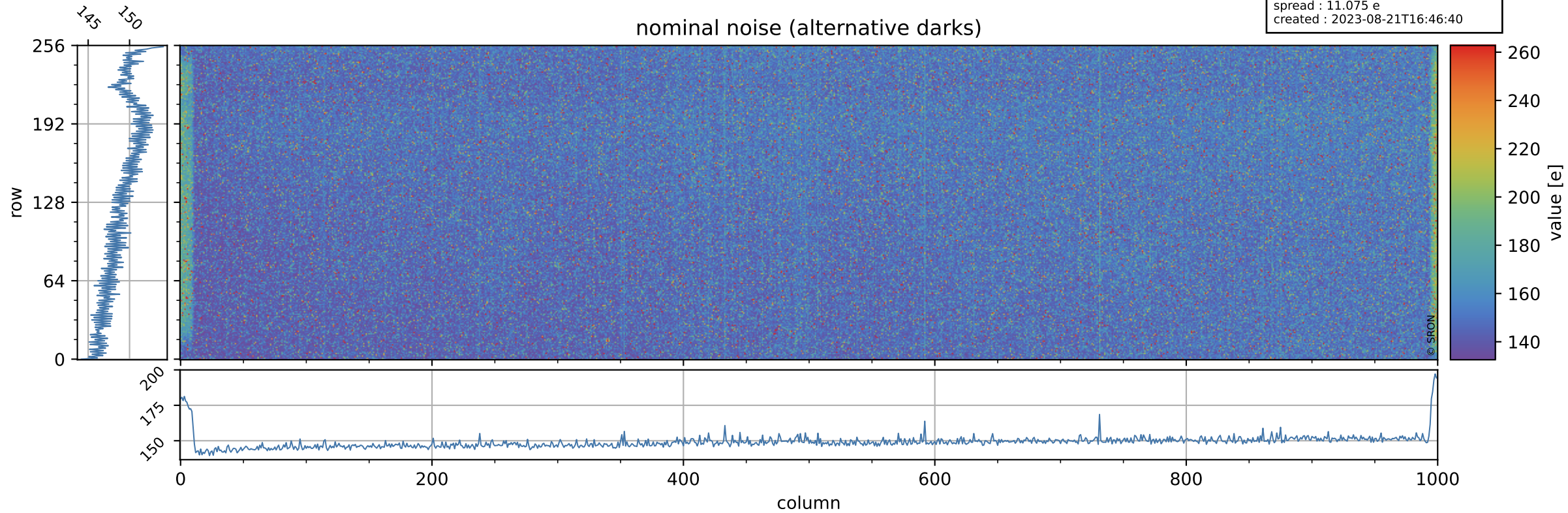


# Tropomi SWIR background noise (swir)

orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.96 e  
spread : 11.075 e  
created : 2023-08-21T16:46:40

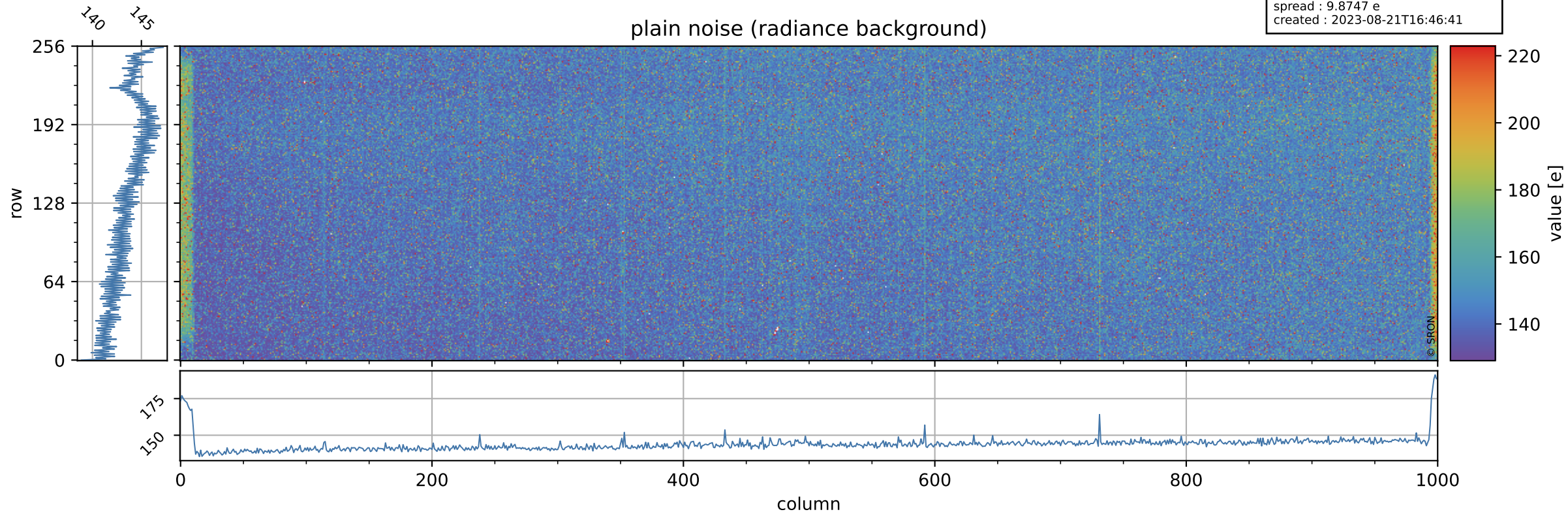
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.8747 e  
created : 2023-08-21T16:46:41

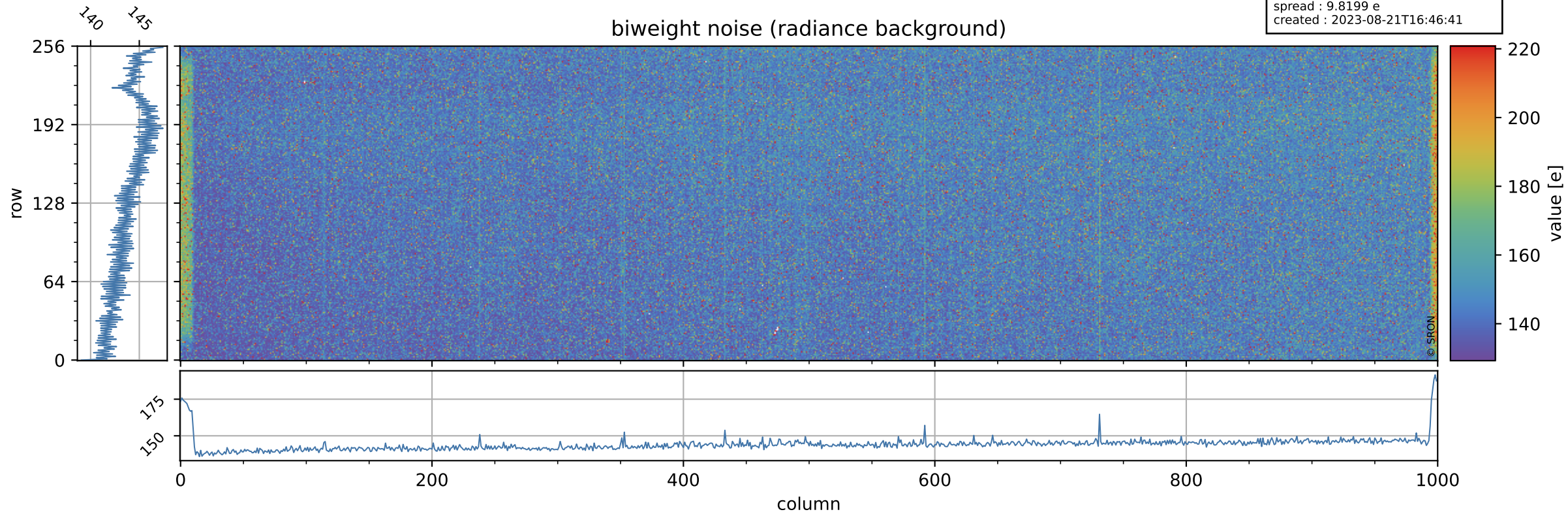
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.8199 e  
created : 2023-08-21T16:46:41

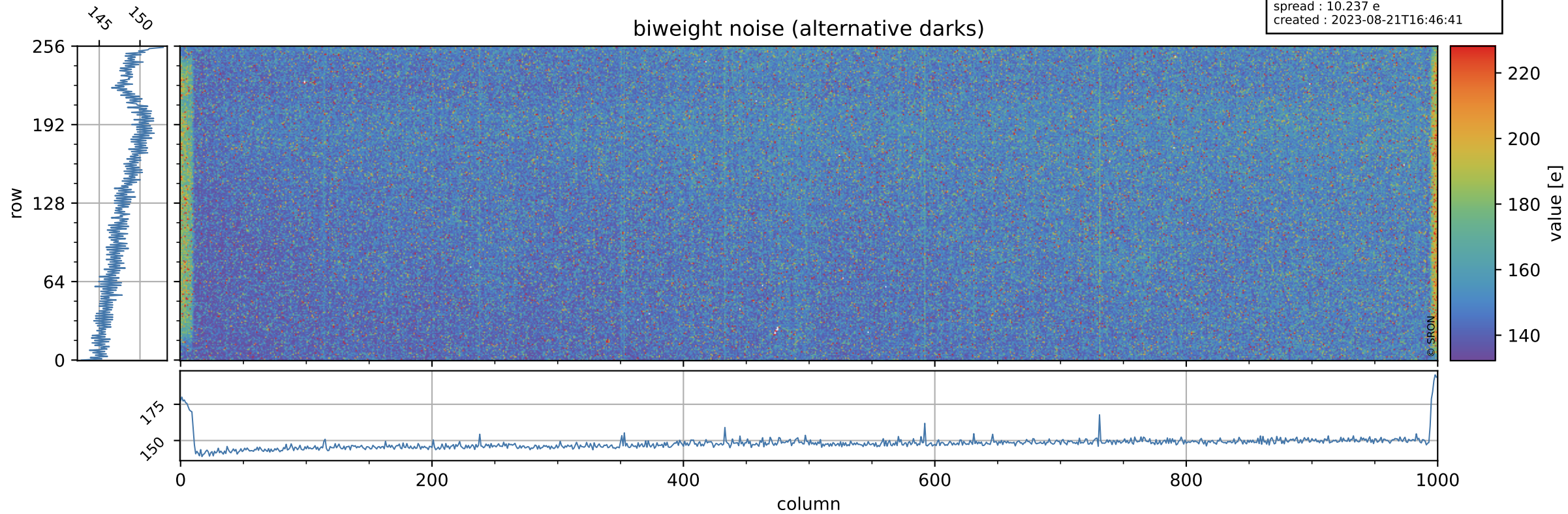
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.86 e  
spread : 10.237 e  
created : 2023-08-21T16:46:41

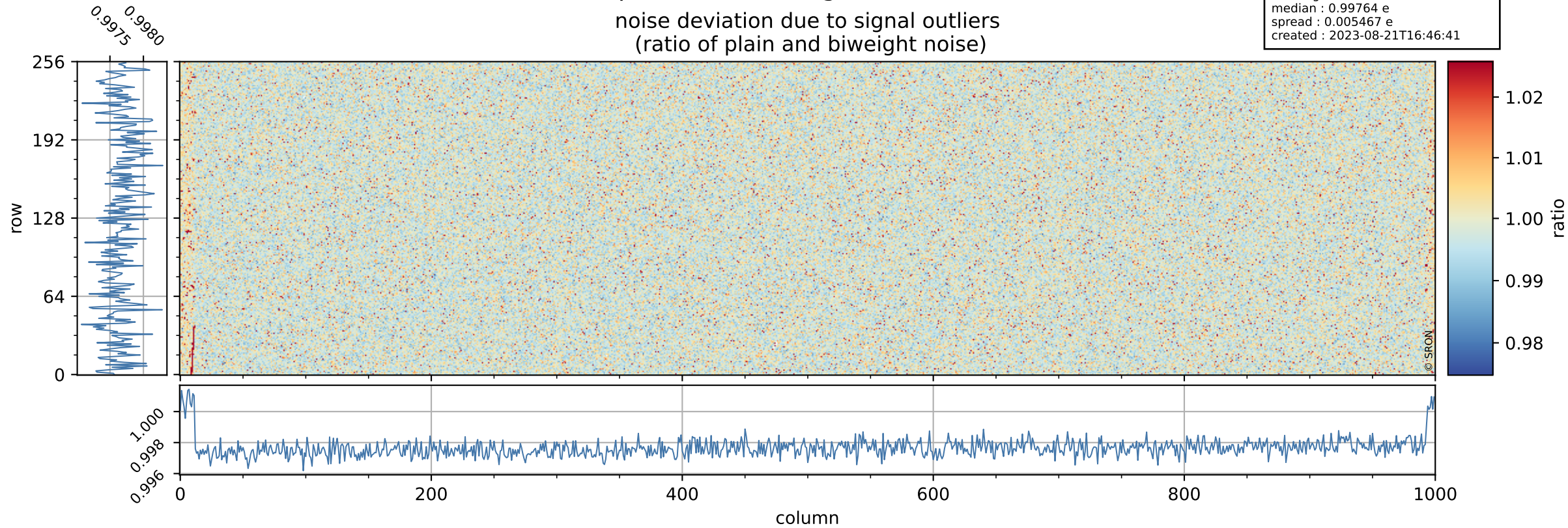
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

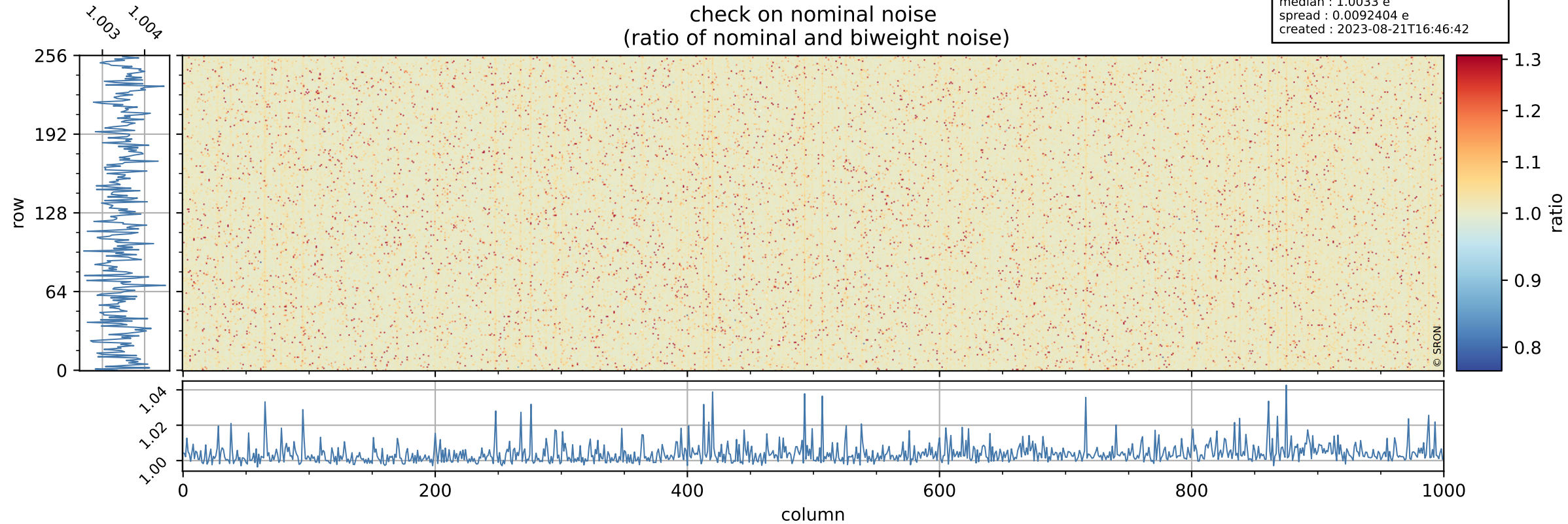
orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
median : 0.99764 e  
spread : 0.005467 e  
created : 2023-08-21T16:46:41



# Tropomi SWIR background noise (swir)

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

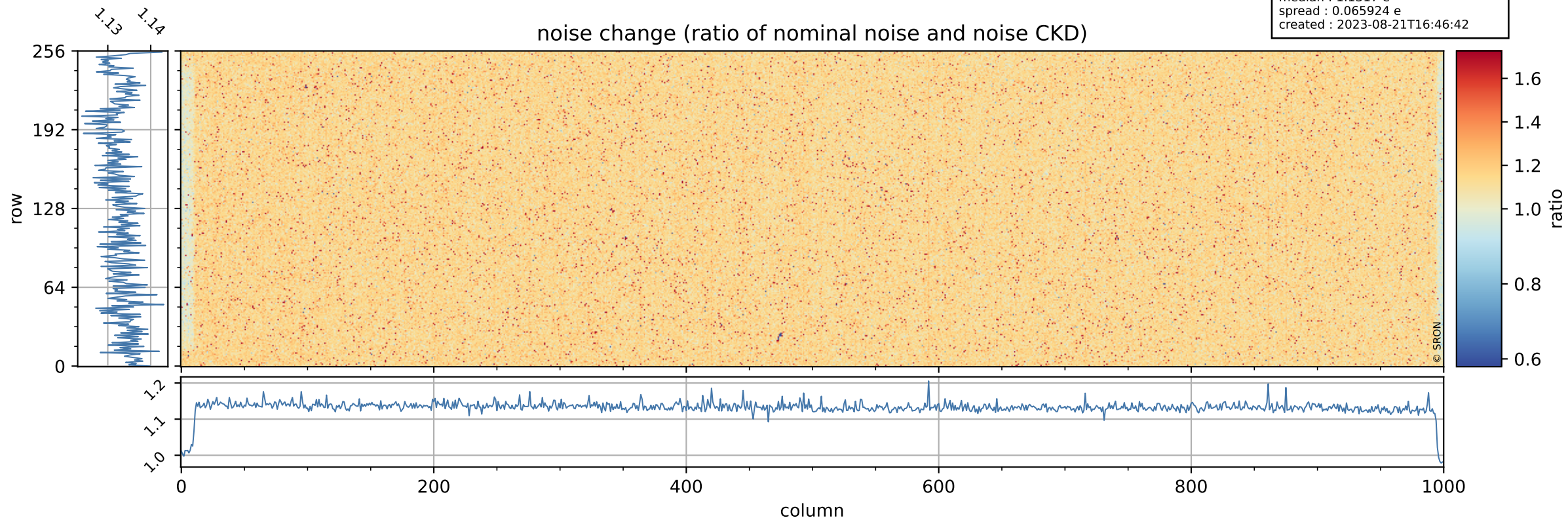
orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
median : 1.0033 e  
spread : 0.0092404 e  
created : 2023-08-21T16:46:42



# Tropomi SWIR background noise (swir)

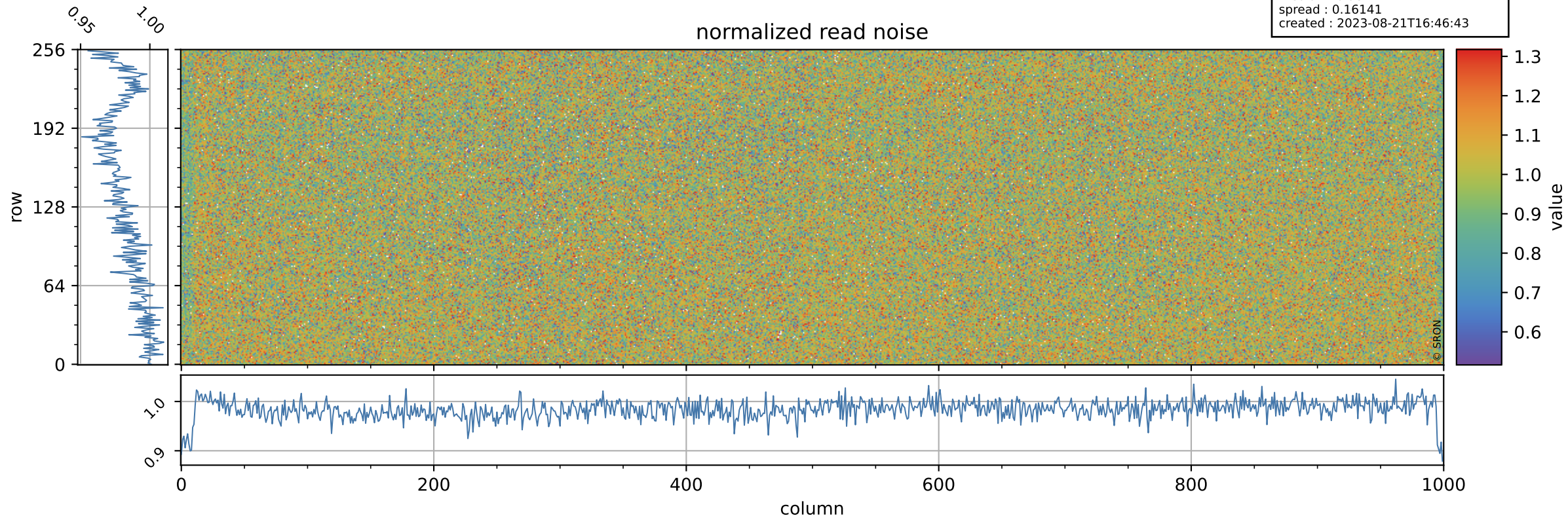
orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
median : 1.1317 e  
spread : 0.065924 e  
created : 2023-08-21T16:46:42

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

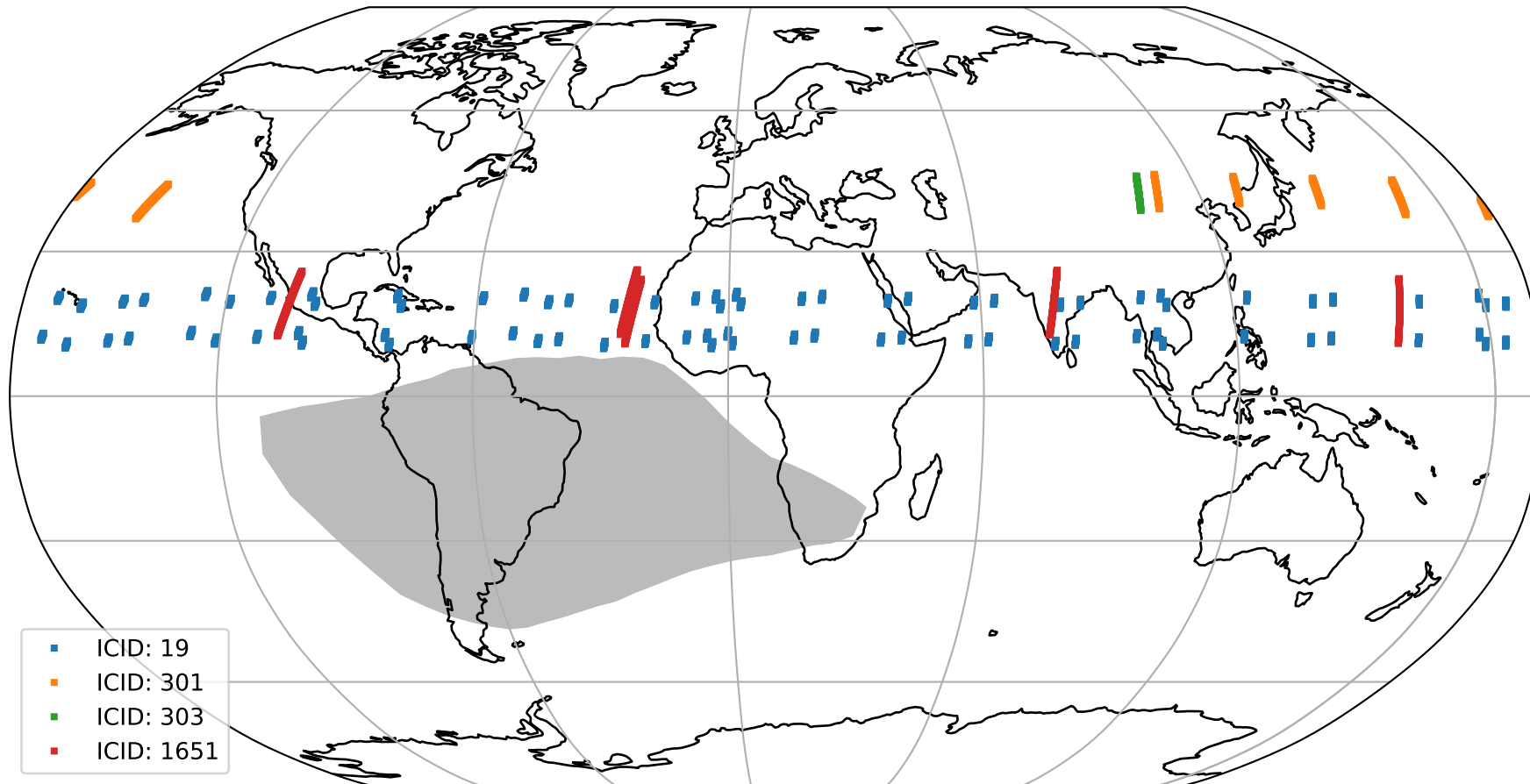
orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
median : 0.98241  
spread : 0.16141  
created : 2023-08-21T16:46:43





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

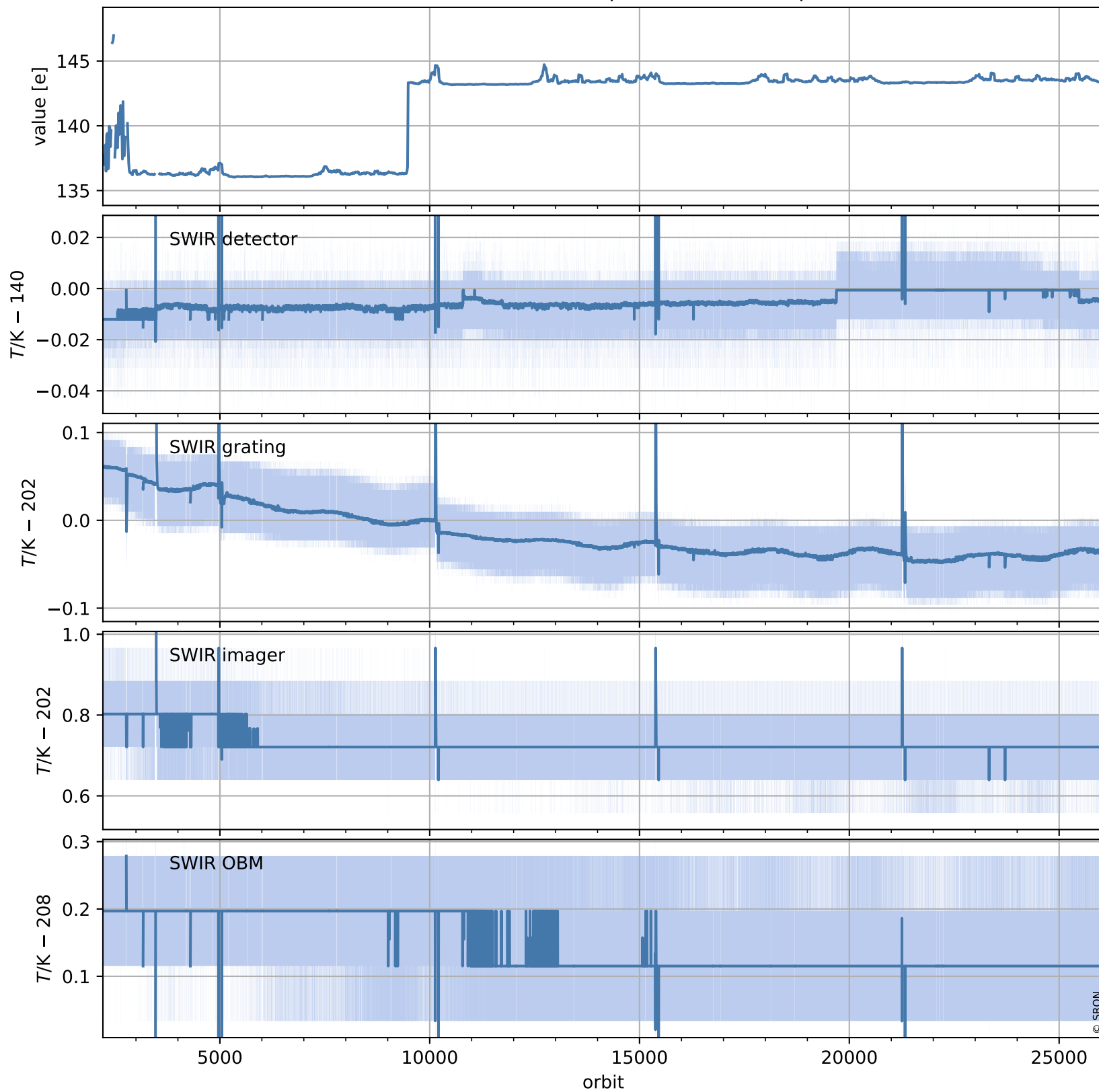
orbits : 12 in [25972, 26062]  
coverage : 2022-10-18 / 2022-10-24  
created : 2023-08-21T16:46:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 26062]  
coverage : 2018-03-18 / 2022-10-24  
created : 2023-08-21T16:46:43

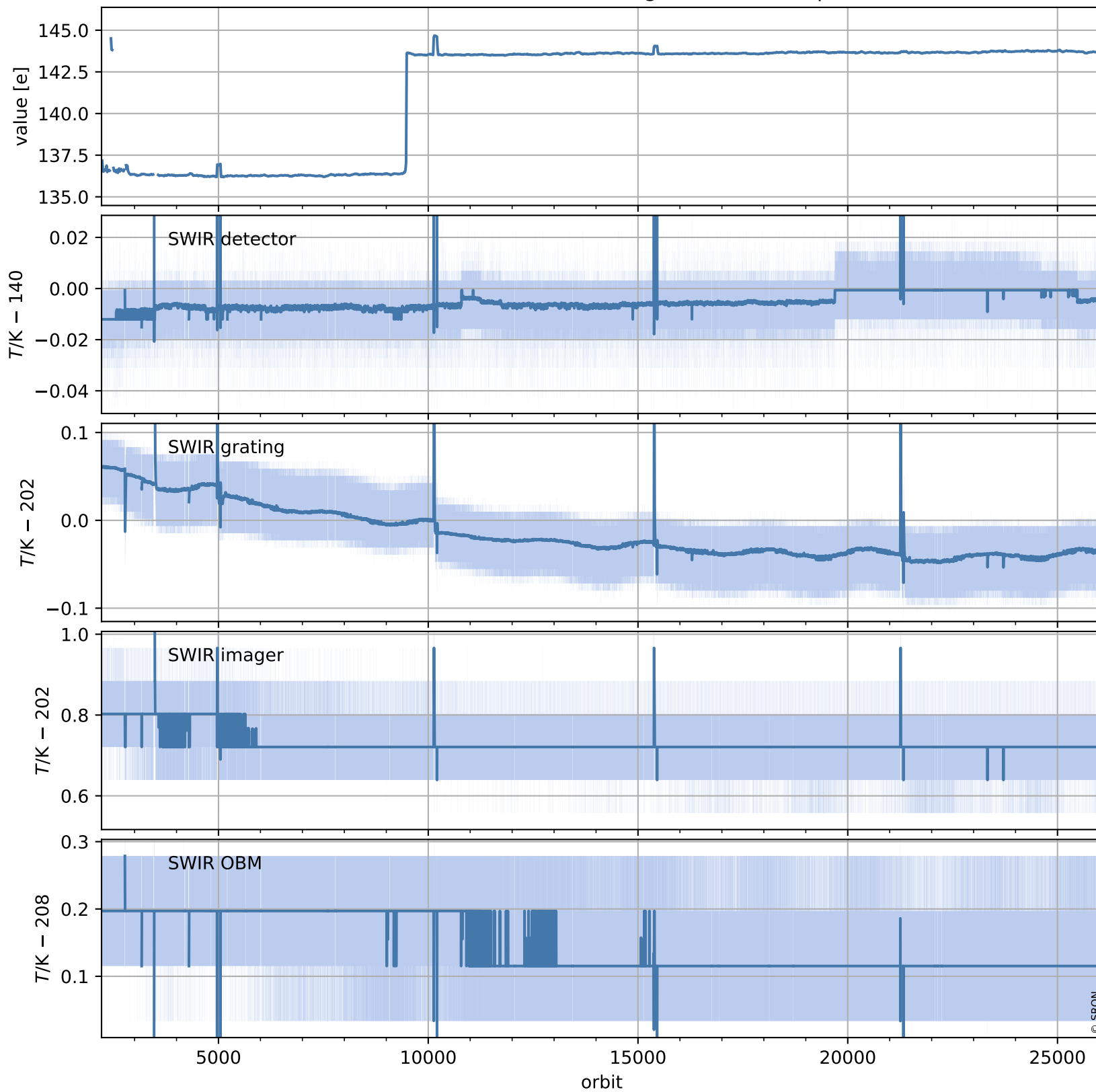
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26062]  
coverage : 2018-03-18 / 2022-10-24  
created : 2023-08-21T16:46:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26062]  
coverage : 2018-03-18 / 2022-10-24  
created : 2023-08-21T16:46:45

## trend of normalized read-noise & temperatures

