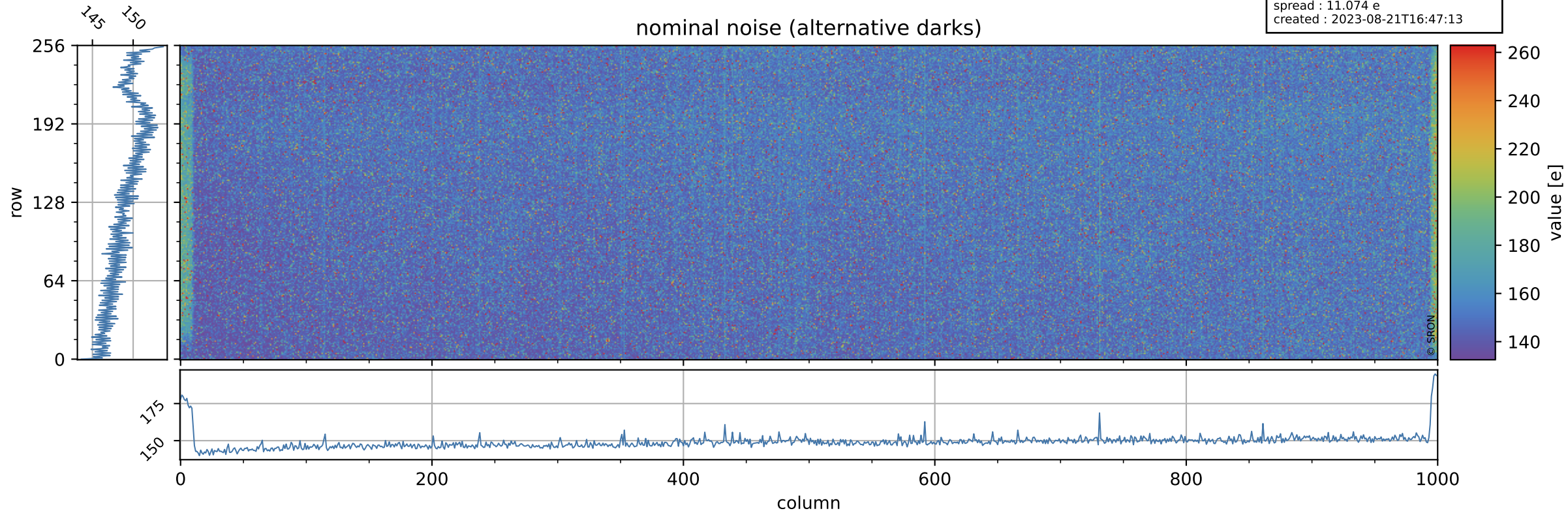


# Tropomi SWIR background noise (swir)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.92 e  
spread : 11.074 e  
created : 2023-08-21T16:47:13

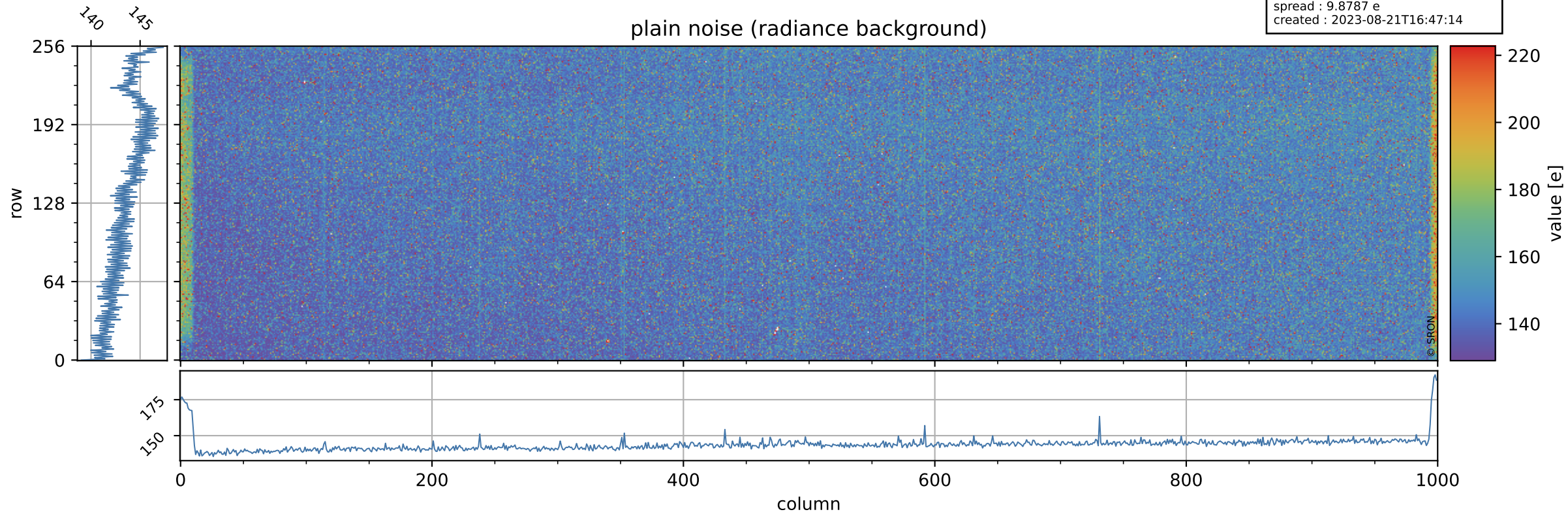
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.51 e  
spread : 9.8787 e  
created : 2023-08-21T16:47:14

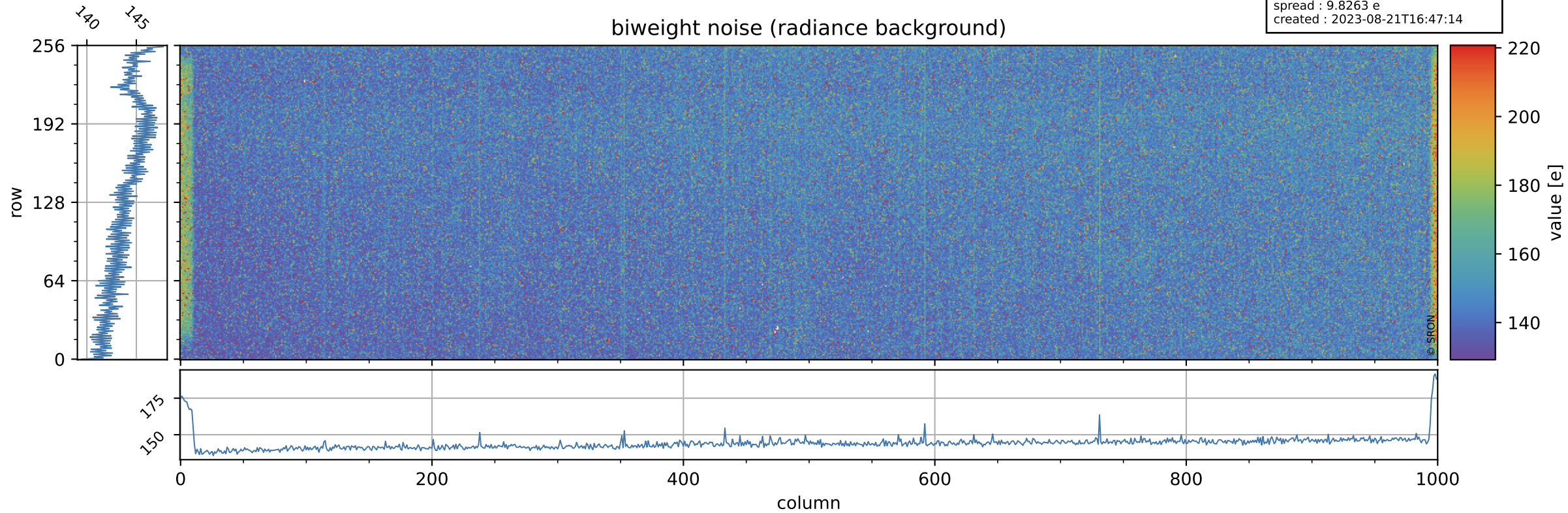
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.8263 e  
created : 2023-08-21T16:47:14

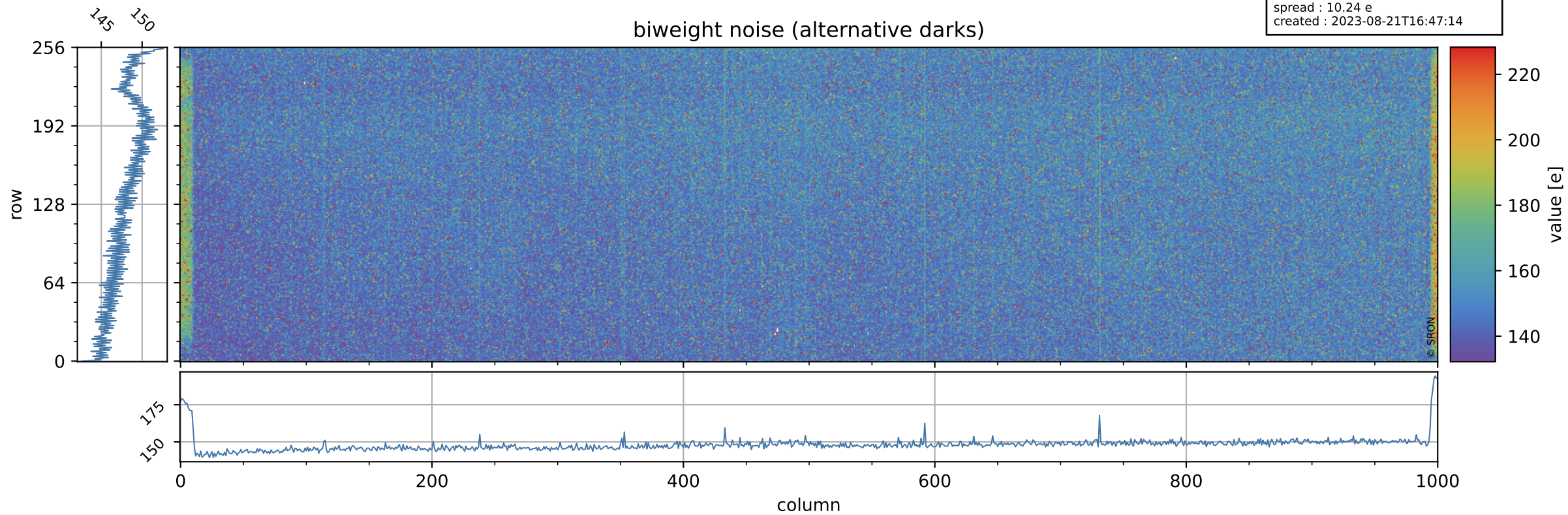
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.85 e  
spread : 10.24 e  
created : 2023-08-21T16:47:14

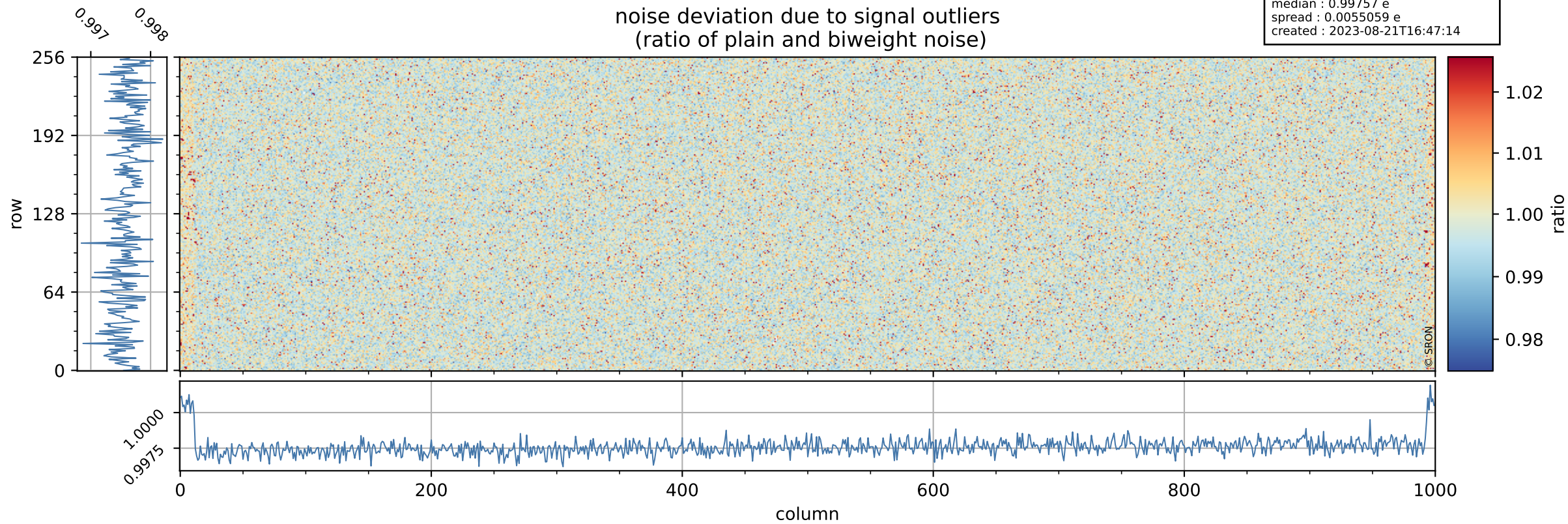
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

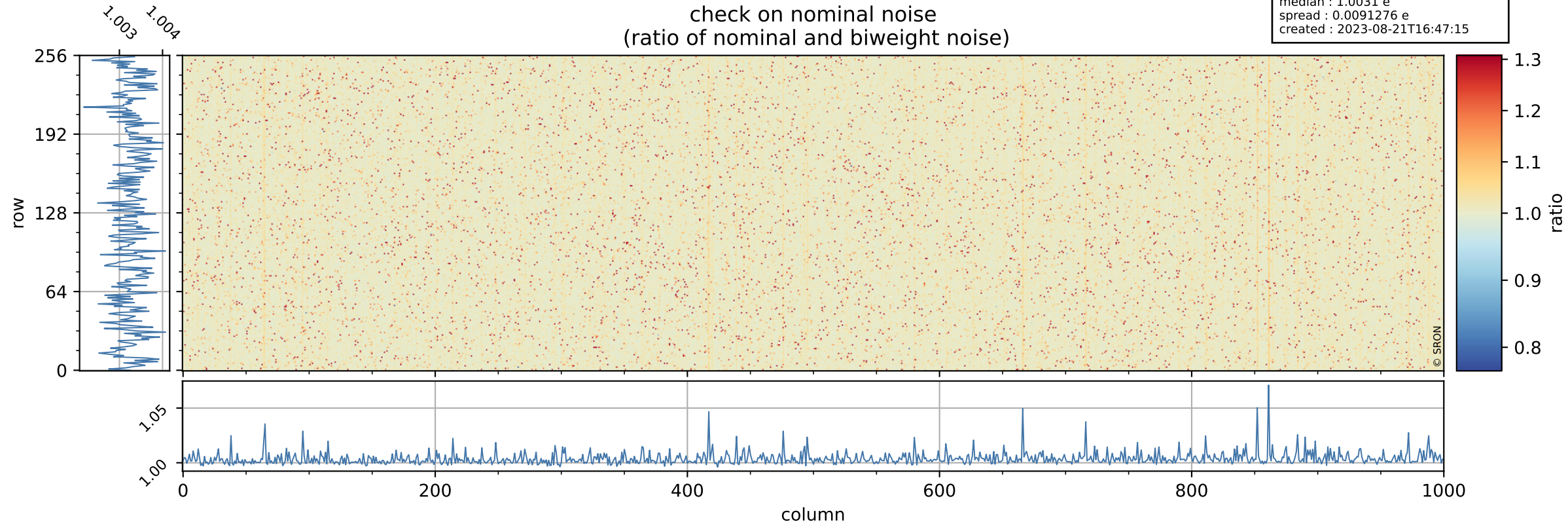
orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
median : 0.99757 e  
spread : 0.0055059 e  
created : 2023-08-21T16:47:14



# Tropomi SWIR background noise (swir)

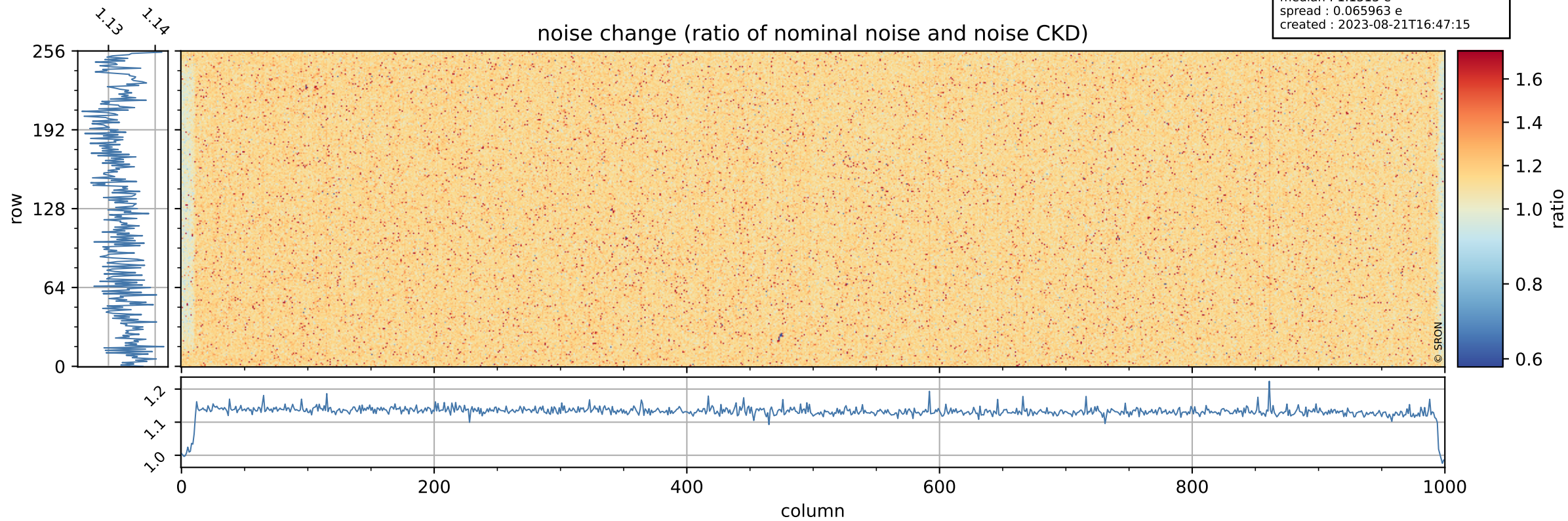
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
median : 1.0031 e  
spread : 0.0091276 e  
created : 2023-08-21T16:47:15



# Tropomi SWIR background noise (swir)

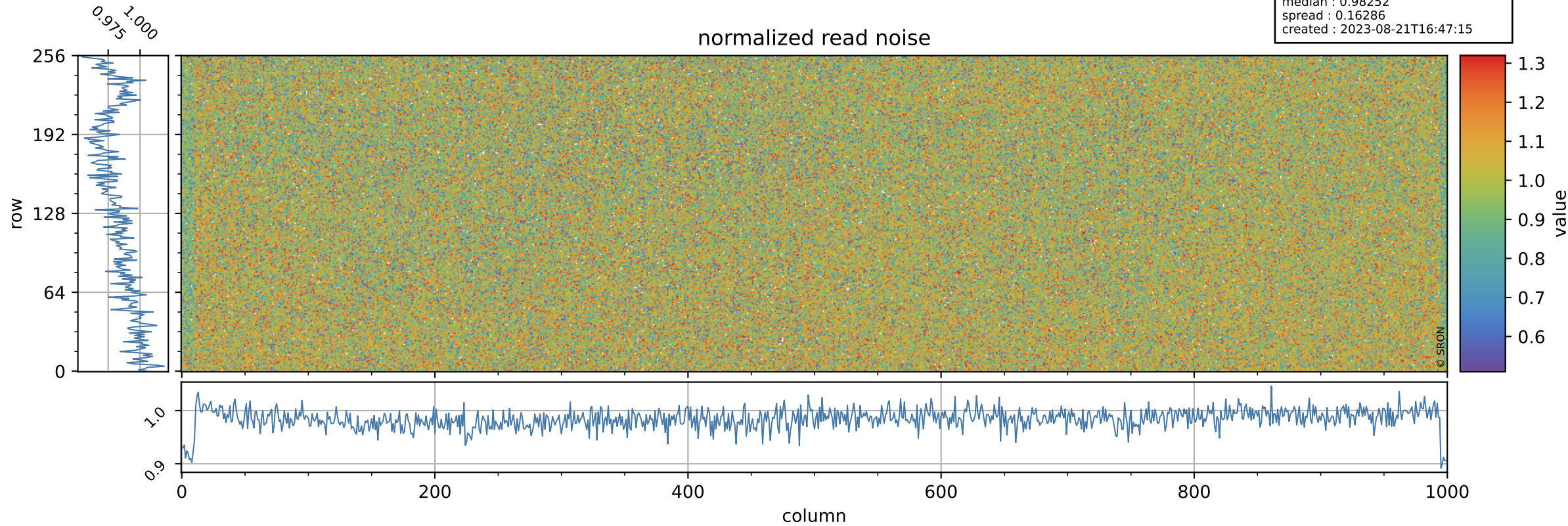
orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
median : 1.1313 e  
spread : 0.065963 e  
created : 2023-08-21T16:47:15



# Tropomi SWIR background noise (swir)

orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
median : 0.98252  
spread : 0.16286  
created : 2023-08-21T16:47:15

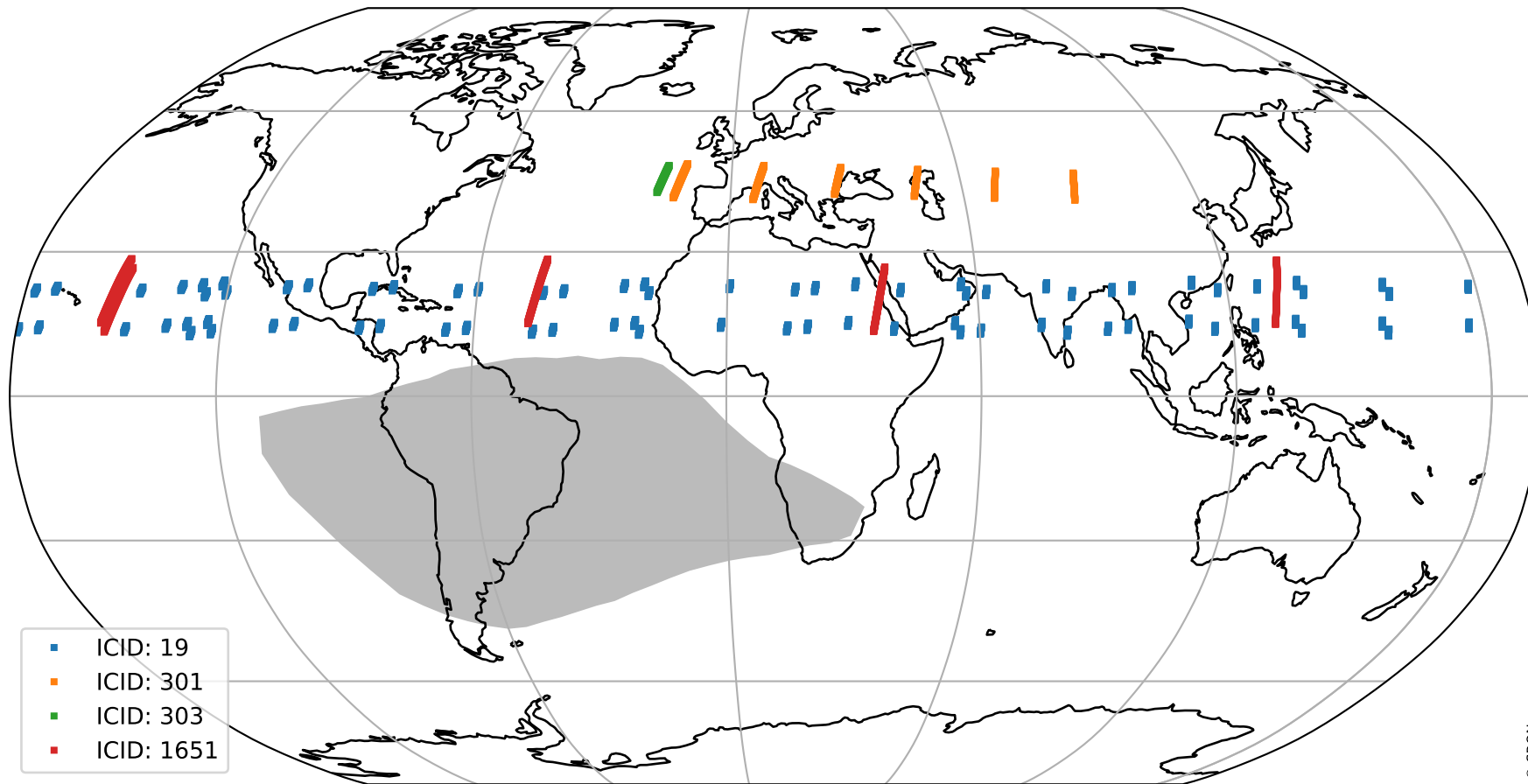
normalized read noise





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

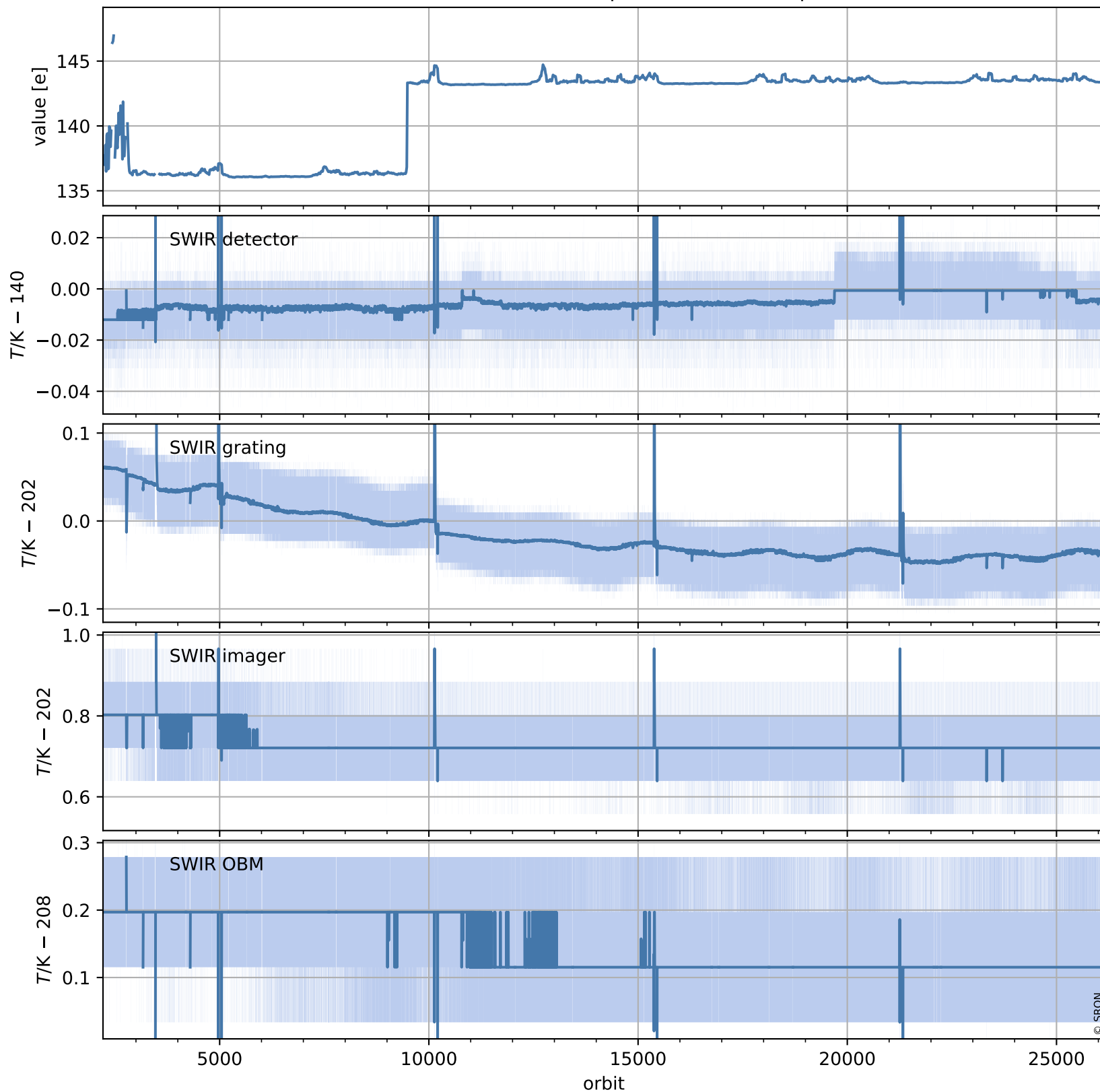
orbits : 12 in [26062, 26152]  
coverage : 2022-10-24 / 2022-10-30  
created : 2023-08-21T16:47:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 26152]  
coverage : 2018-03-18 / 2022-10-30  
created : 2023-08-21T16:47:16

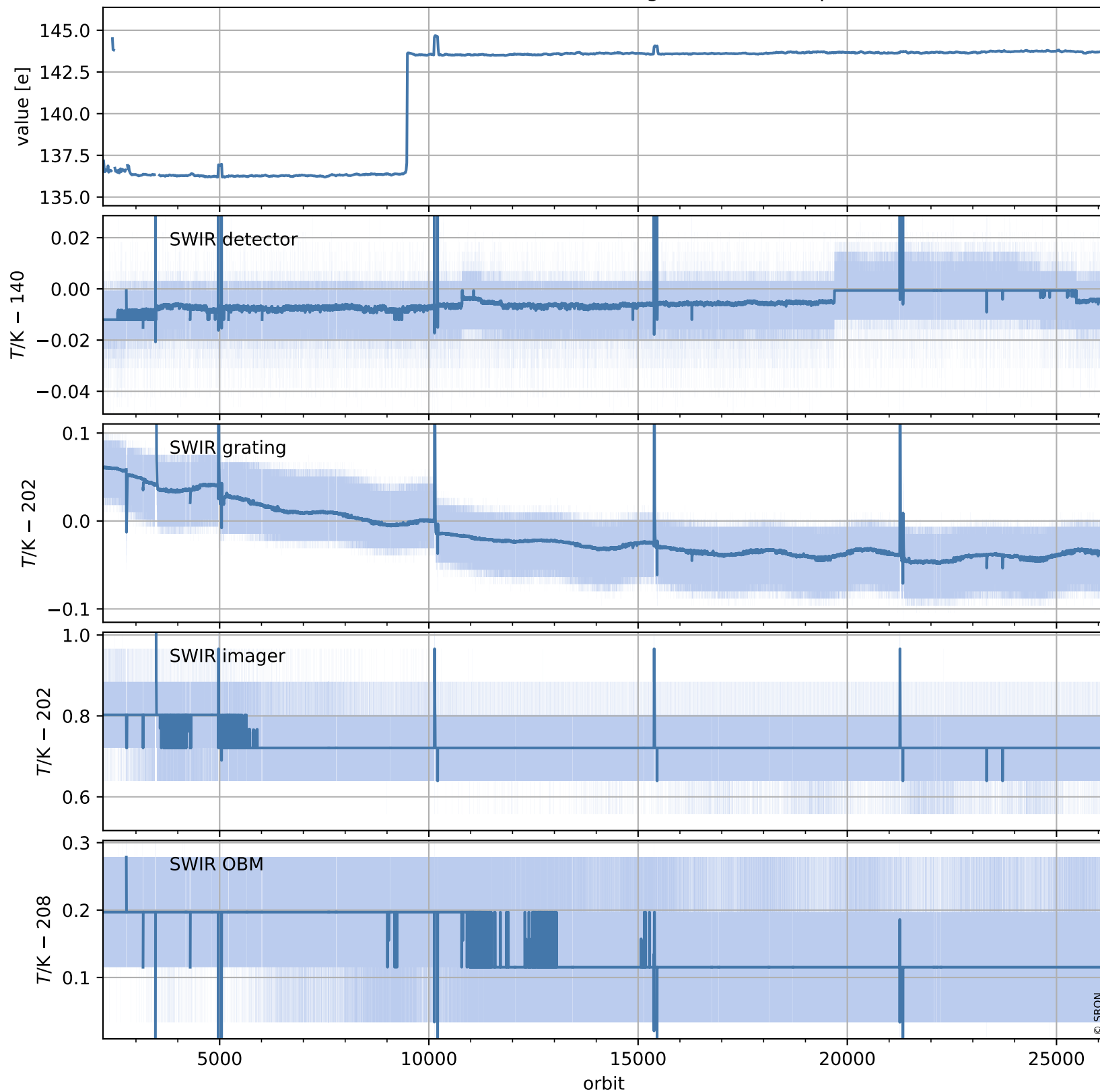
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26152]  
coverage : 2018-03-18 / 2022-10-30  
created : 2023-08-21T16:47:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26152]  
coverage : 2018-03-18 / 2022-10-30  
created : 2023-08-21T16:47:18

## trend of normalized read-noise & temperatures

