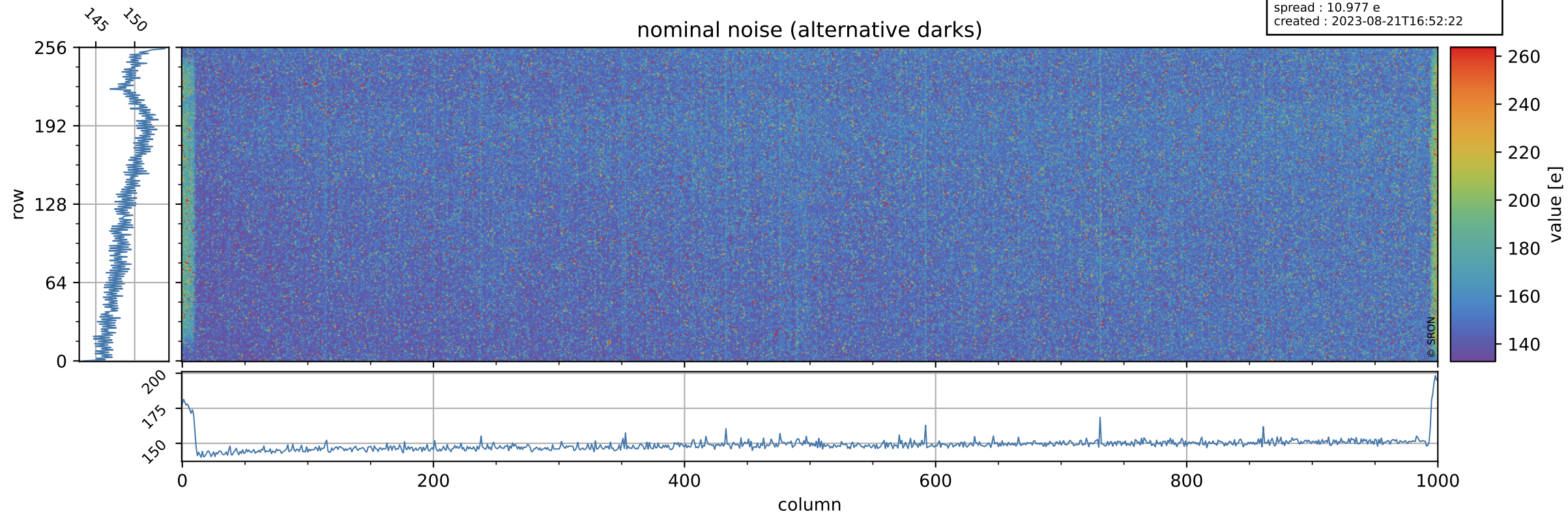


# Tropomi SWIR background noise (swir)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.86 e  
spread : 10.977 e  
created : 2023-08-21T16:52:22

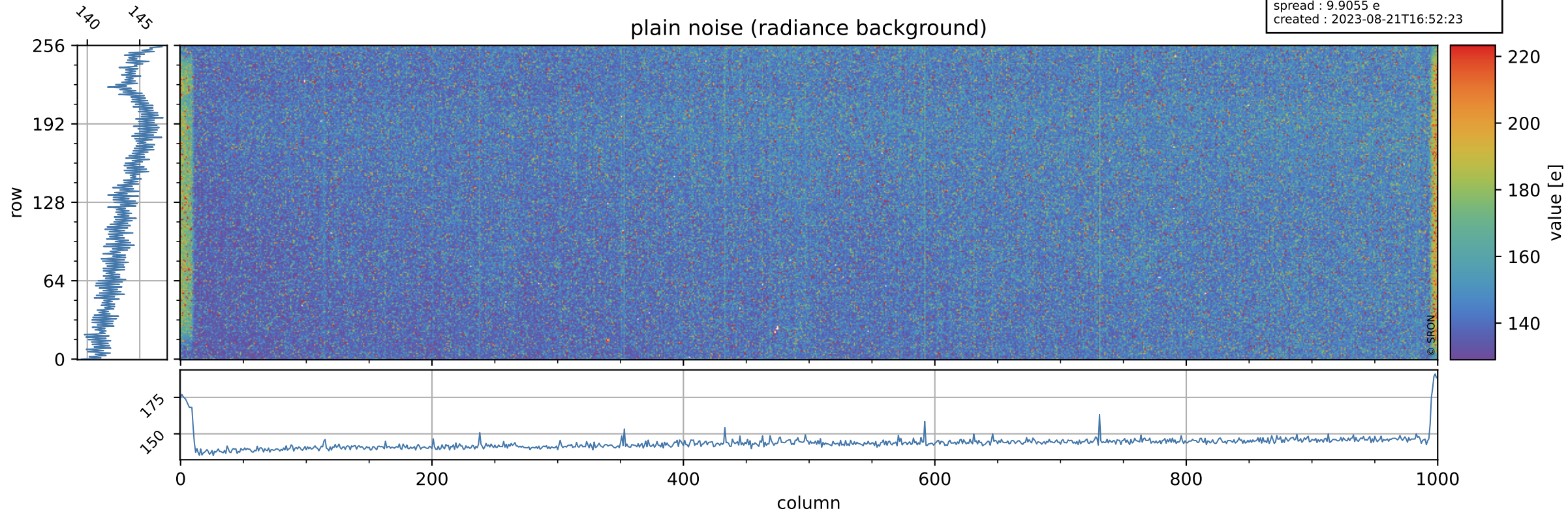
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.9055 e  
created : 2023-08-21T16:52:23

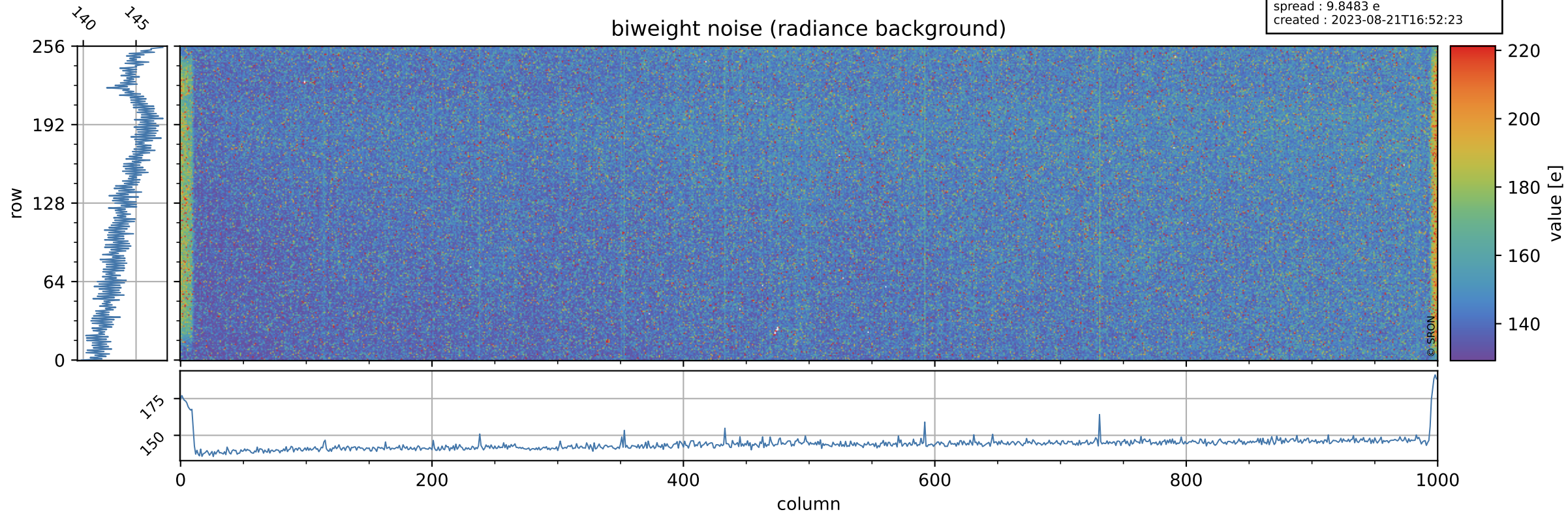
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.8483 e  
created : 2023-08-21T16:52:23

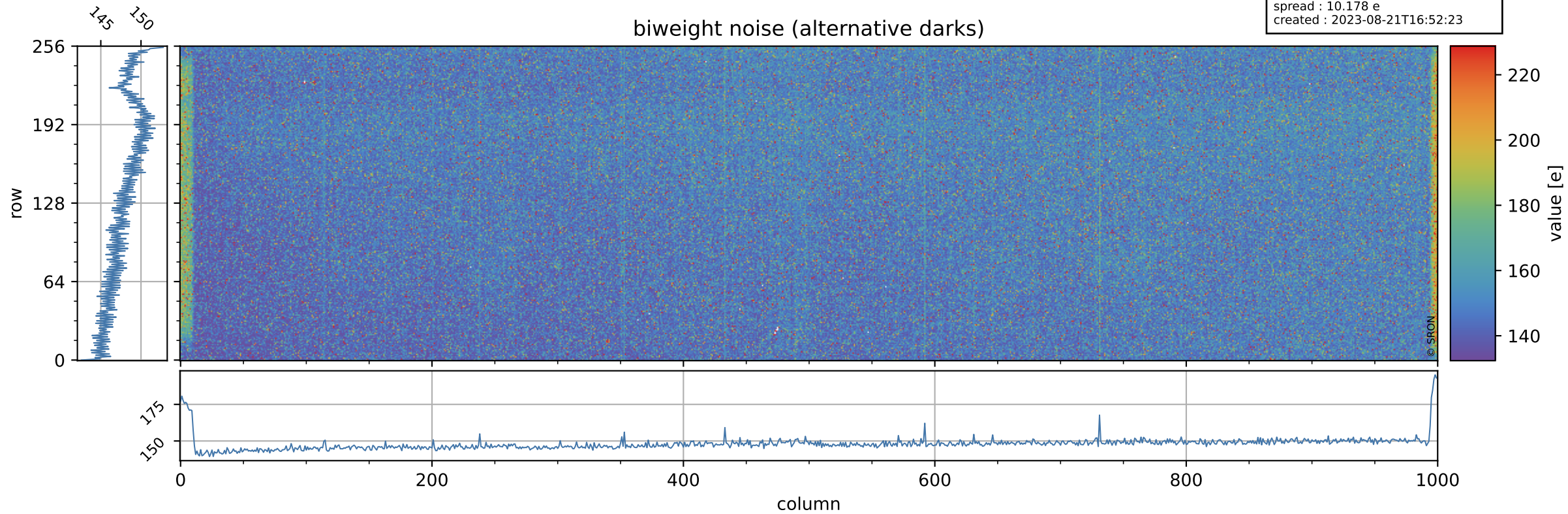
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.178 e  
created : 2023-08-21T16:52:23

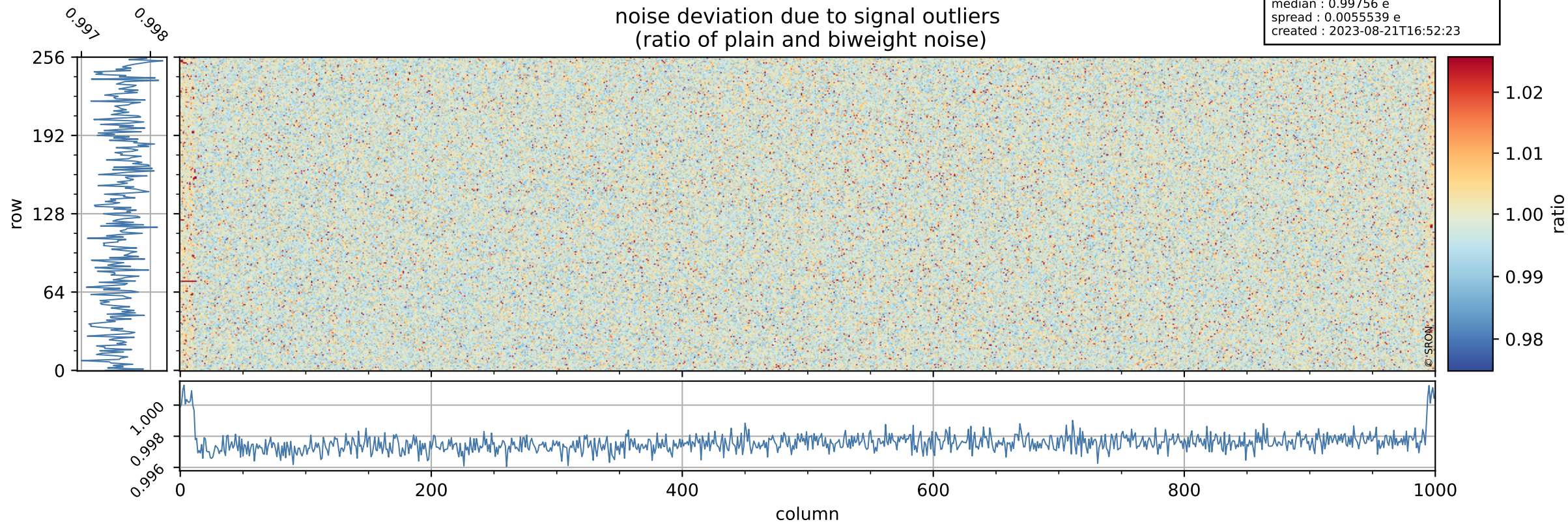
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

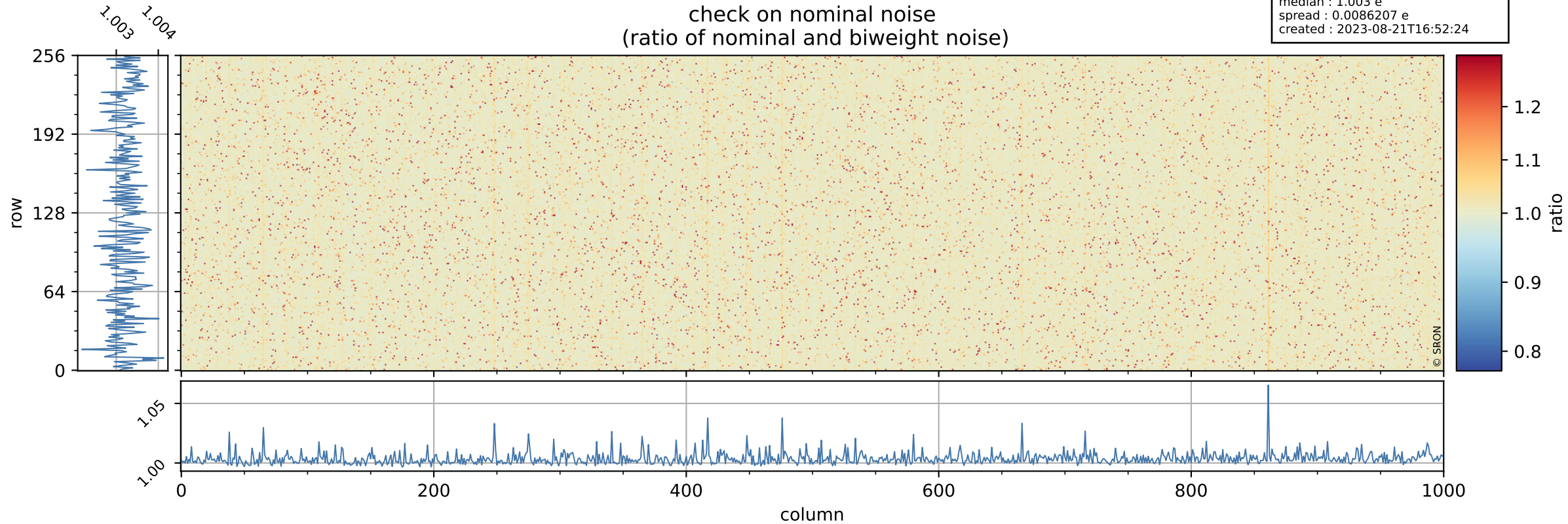
orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
median : 0.99756 e  
spread : 0.0055539 e  
created : 2023-08-21T16:52:23



# Tropomi SWIR background noise (swir)

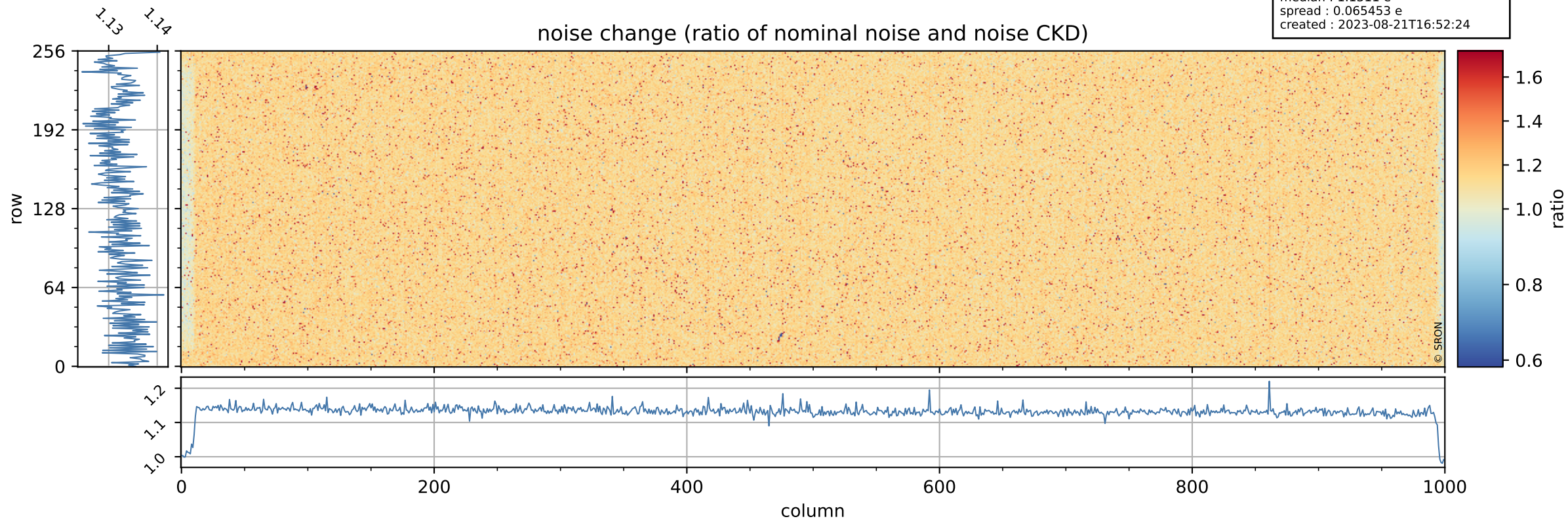
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
median : 1.003 e  
spread : 0.0086207 e  
created : 2023-08-21T16:52:24



# Tropomi SWIR background noise (swir)

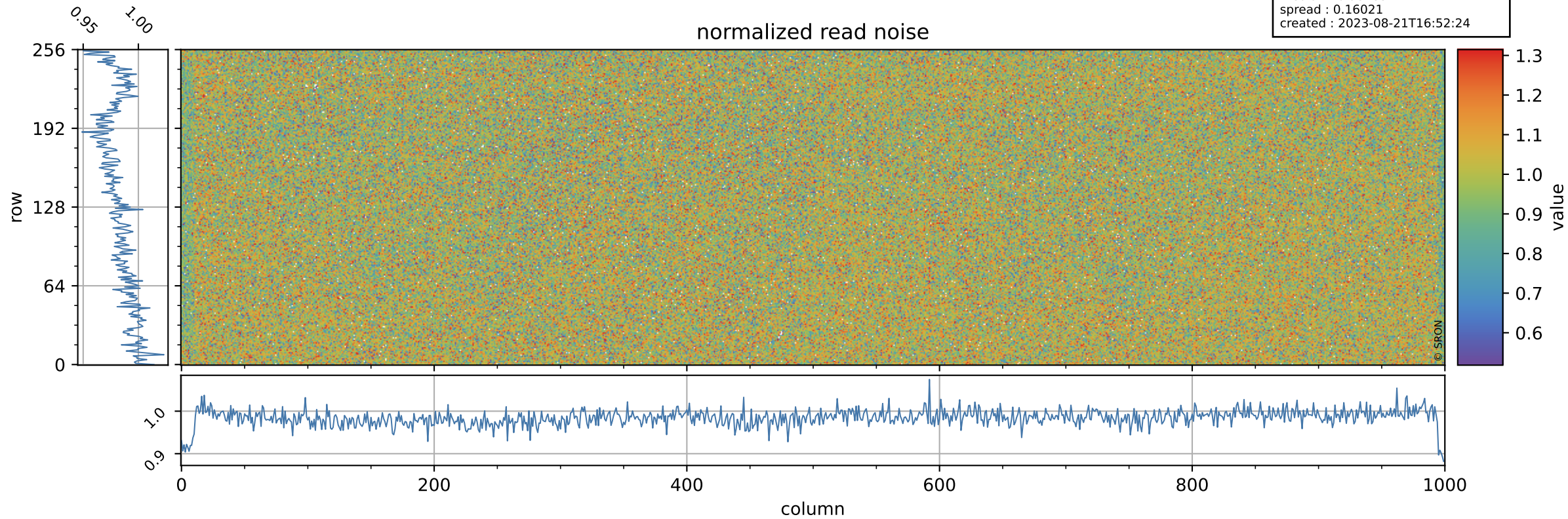
orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
median : 1.1311 e  
spread : 0.065453 e  
created : 2023-08-21T16:52:24



# Tropomi SWIR background noise (swir)

orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
median : 0.98283  
spread : 0.16021  
created : 2023-08-21T16:52:24

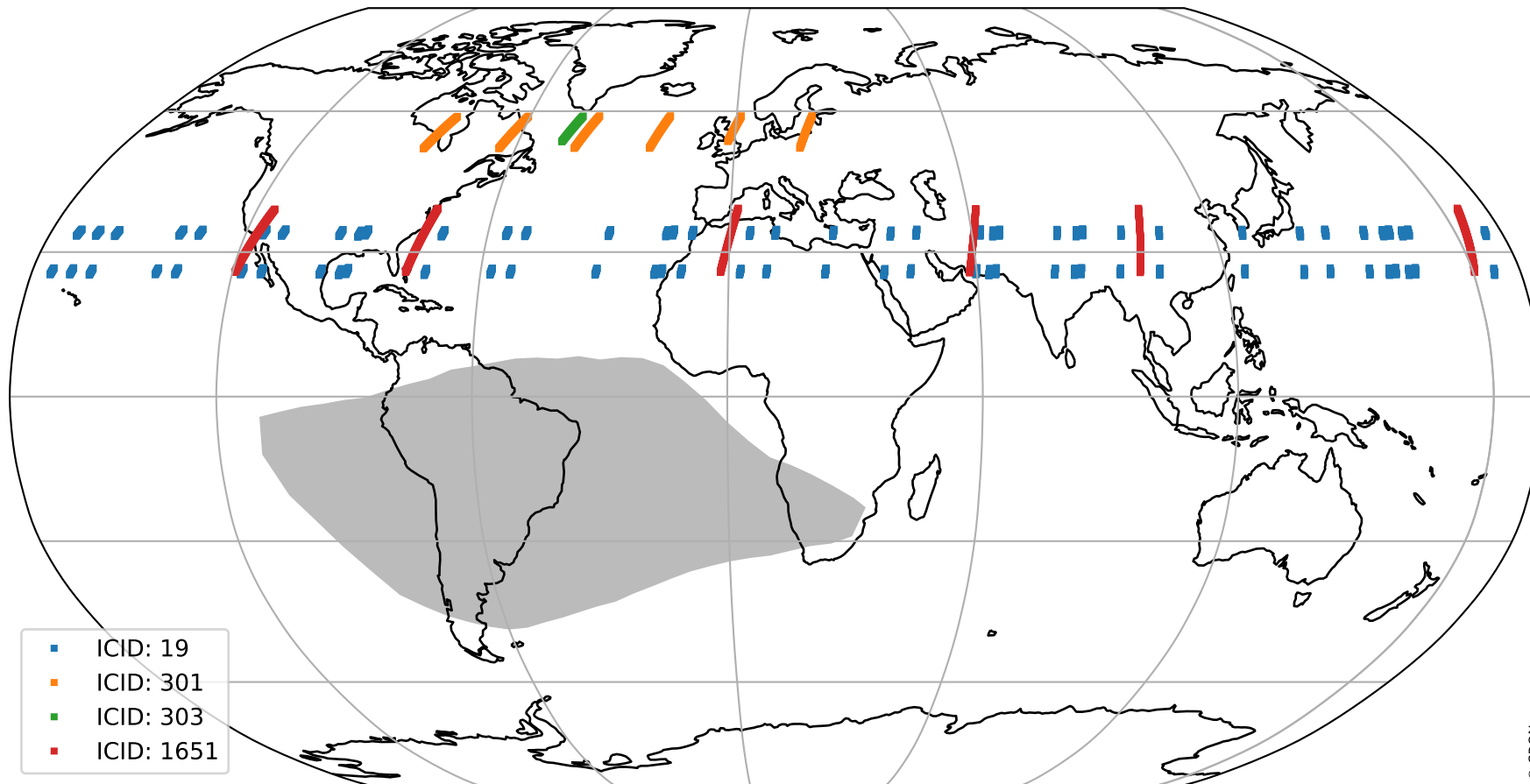
normalized read noise





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

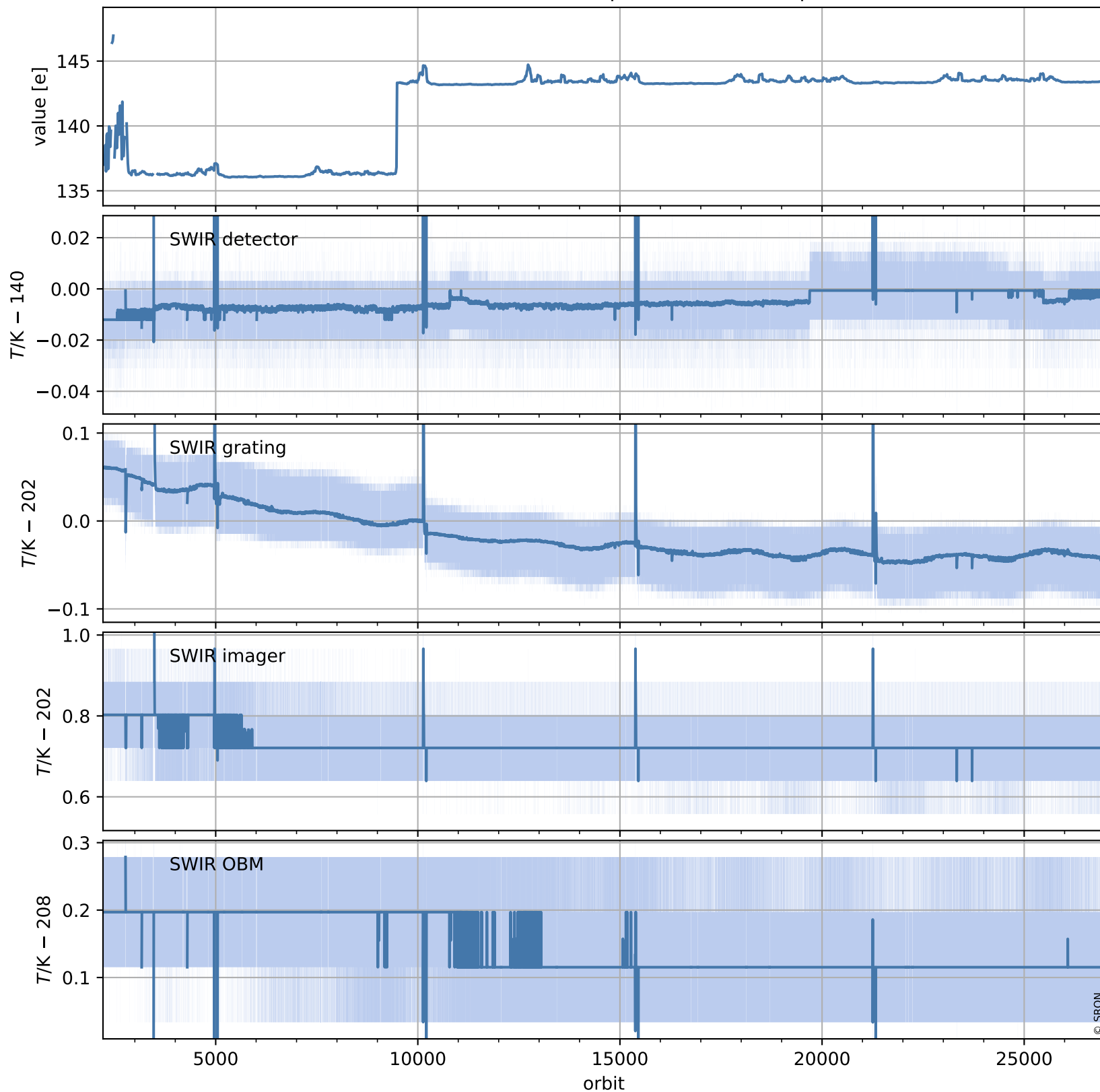
orbits : 13 in [26902, 26992]  
coverage : 2022-12-22 / 2022-12-28  
created : 2023-08-21T16:52:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 26992]  
coverage : 2018-03-18 / 2022-12-28  
created : 2023-08-21T16:52:25

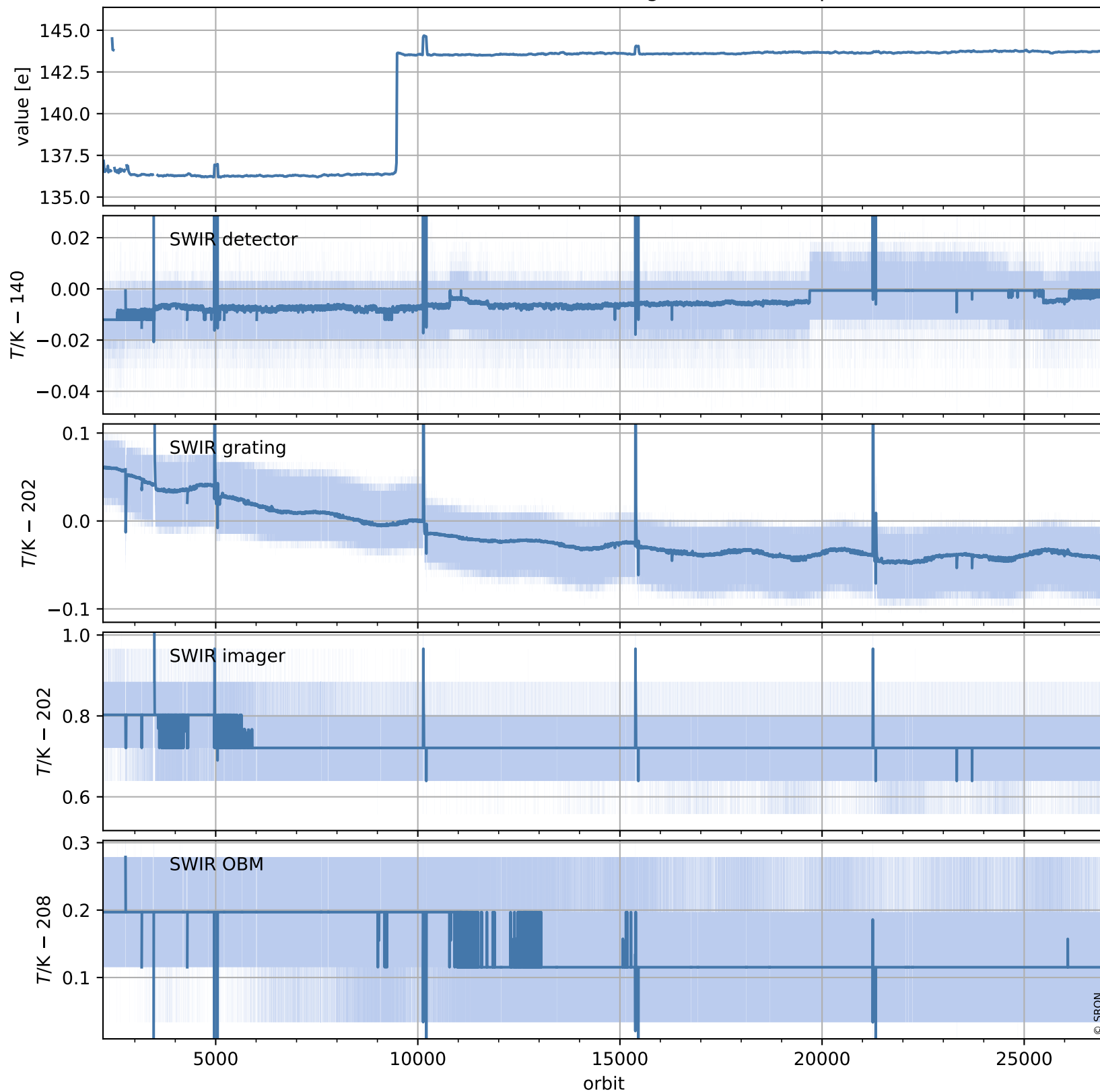
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26992]  
coverage : 2018-03-18 / 2022-12-28  
created : 2023-08-21T16:52:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26992]  
coverage : 2018-03-18 / 2022-12-28  
created : 2023-08-21T16:52:27

## trend of normalized read-noise & temperatures

