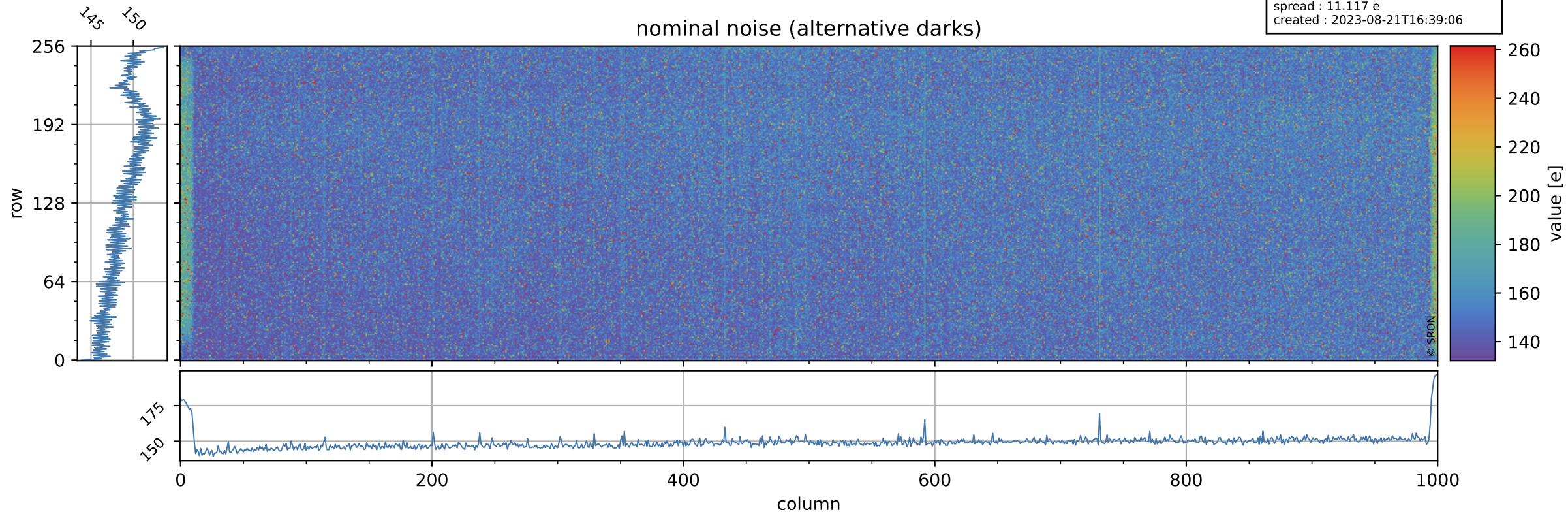


# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.84 e  
spread : 11.117 e  
created : 2023-08-21T16:39:06

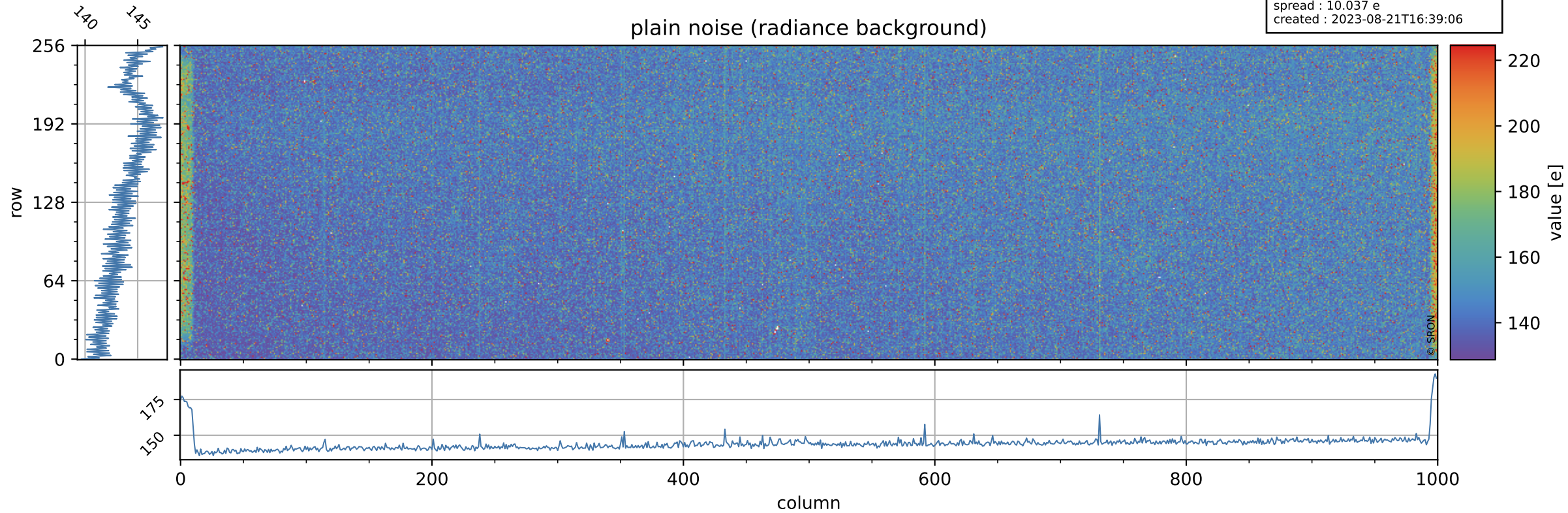
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 10.037 e  
created : 2023-08-21T16:39:06

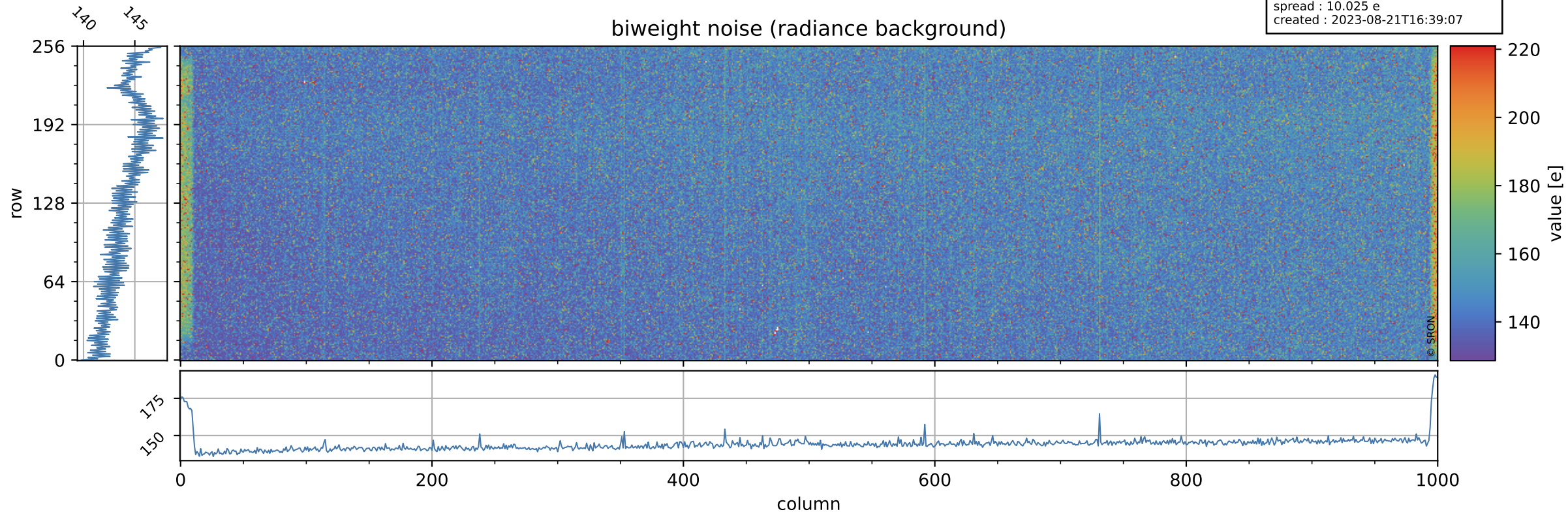
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.91 e  
spread : 10.025 e  
created : 2023-08-21T16:39:07

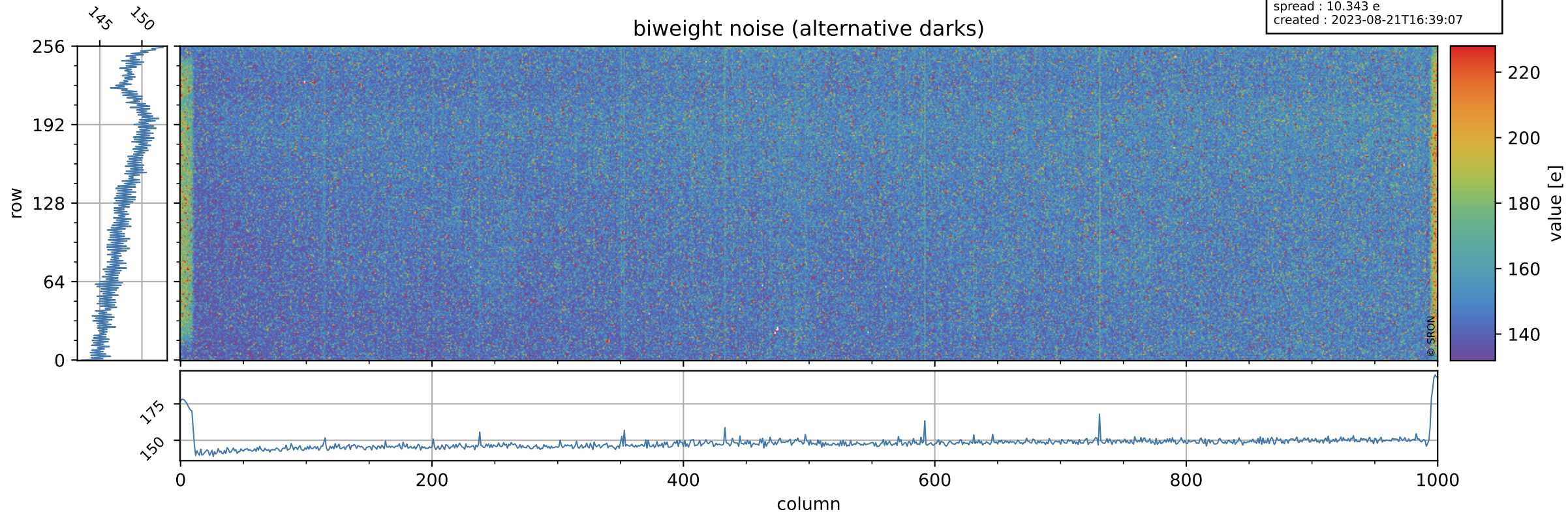
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.343 e  
created : 2023-08-21T16:39:07

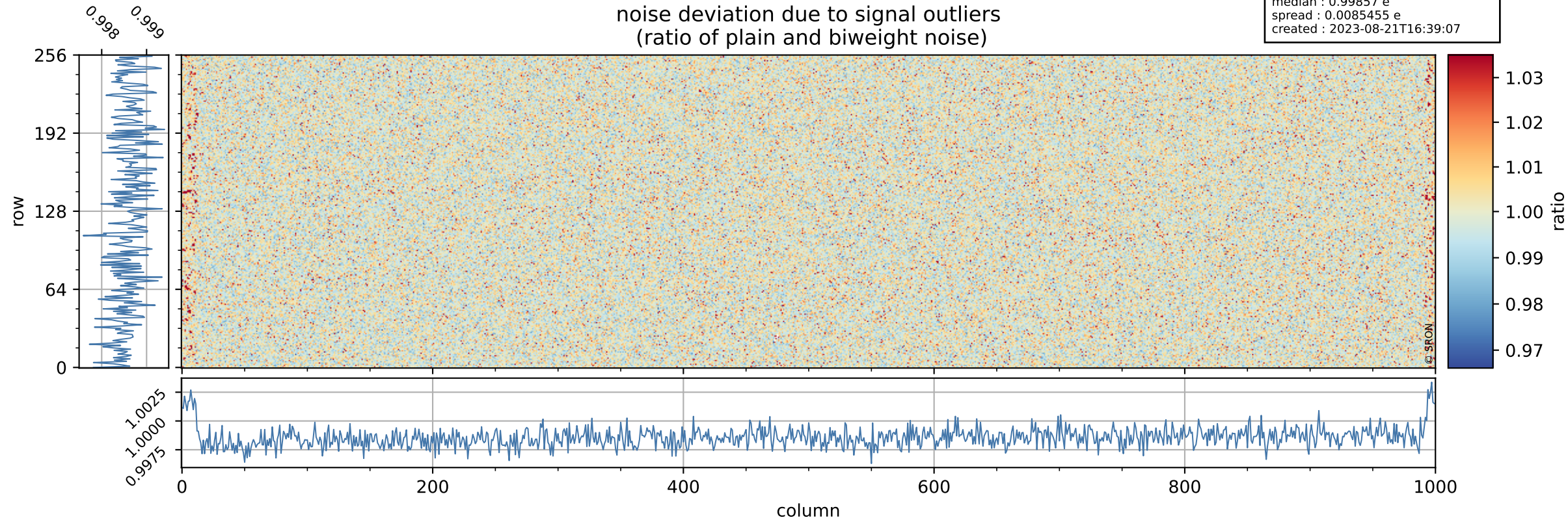
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

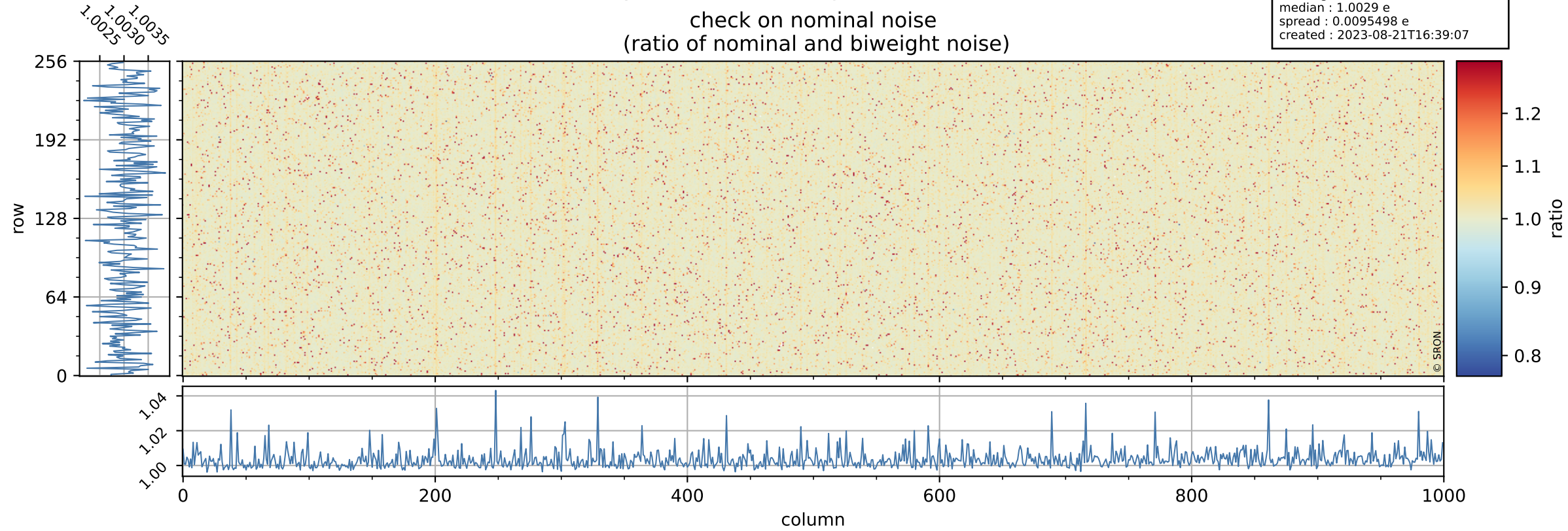
orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
median : 0.99857 e  
spread : 0.0085455 e  
created : 2023-08-21T16:39:07



# Tropomi SWIR background noise (swir)

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

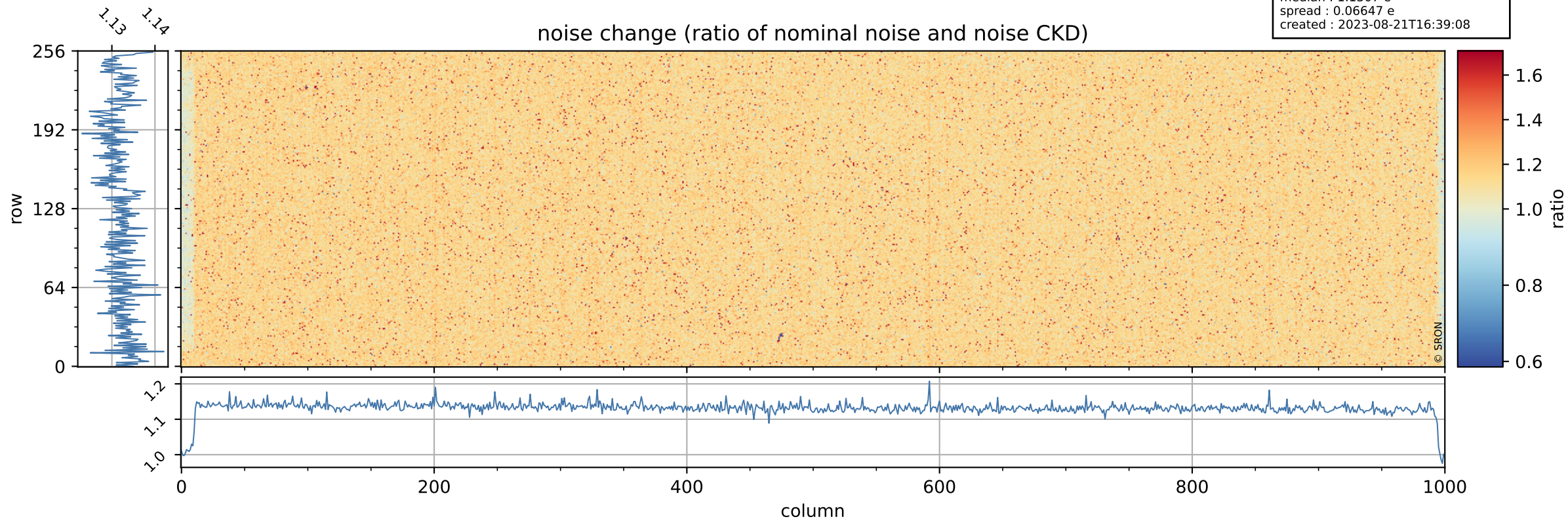
orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
median : 1.0029 e  
spread : 0.0095498 e  
created : 2023-08-21T16:39:07



# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
median : 1.1307 e  
spread : 0.06647 e  
created : 2023-08-21T16:39:08

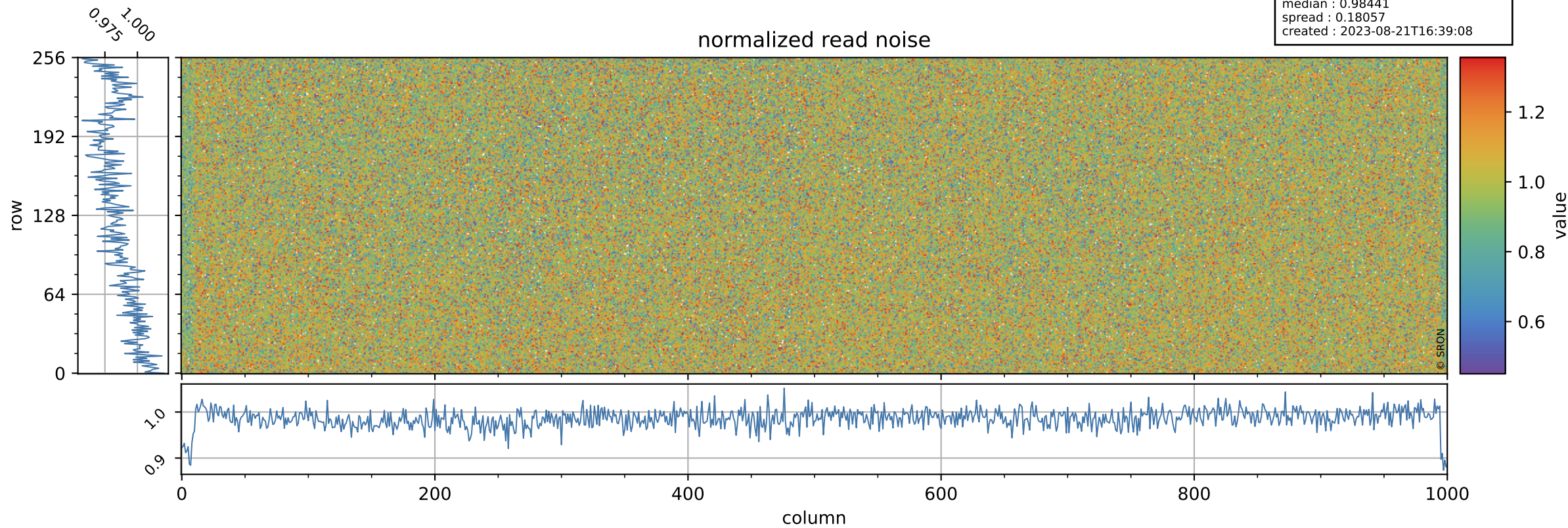
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
median : 0.98441  
spread : 0.18057  
created : 2023-08-21T16:39:08

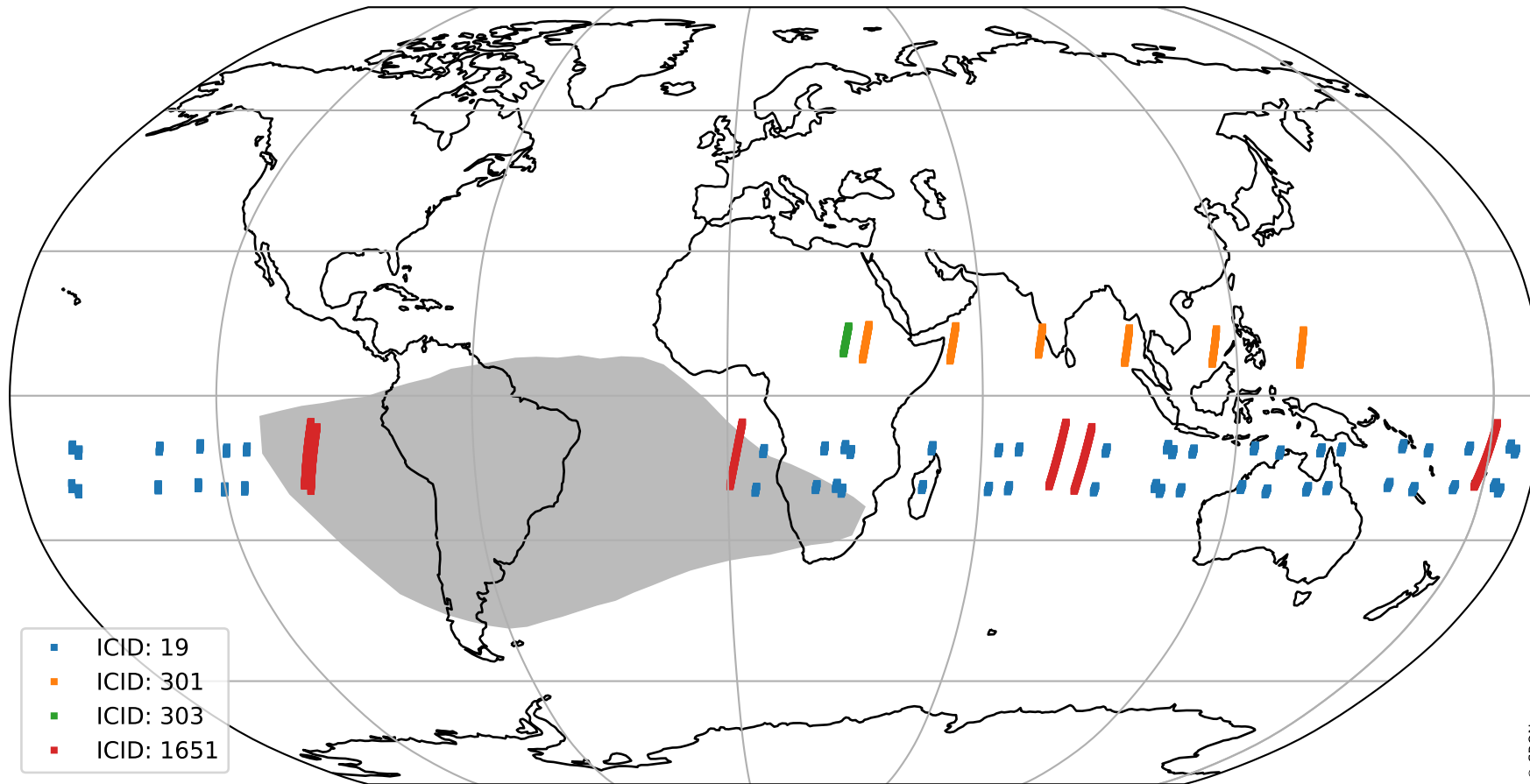
normalized read noise





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

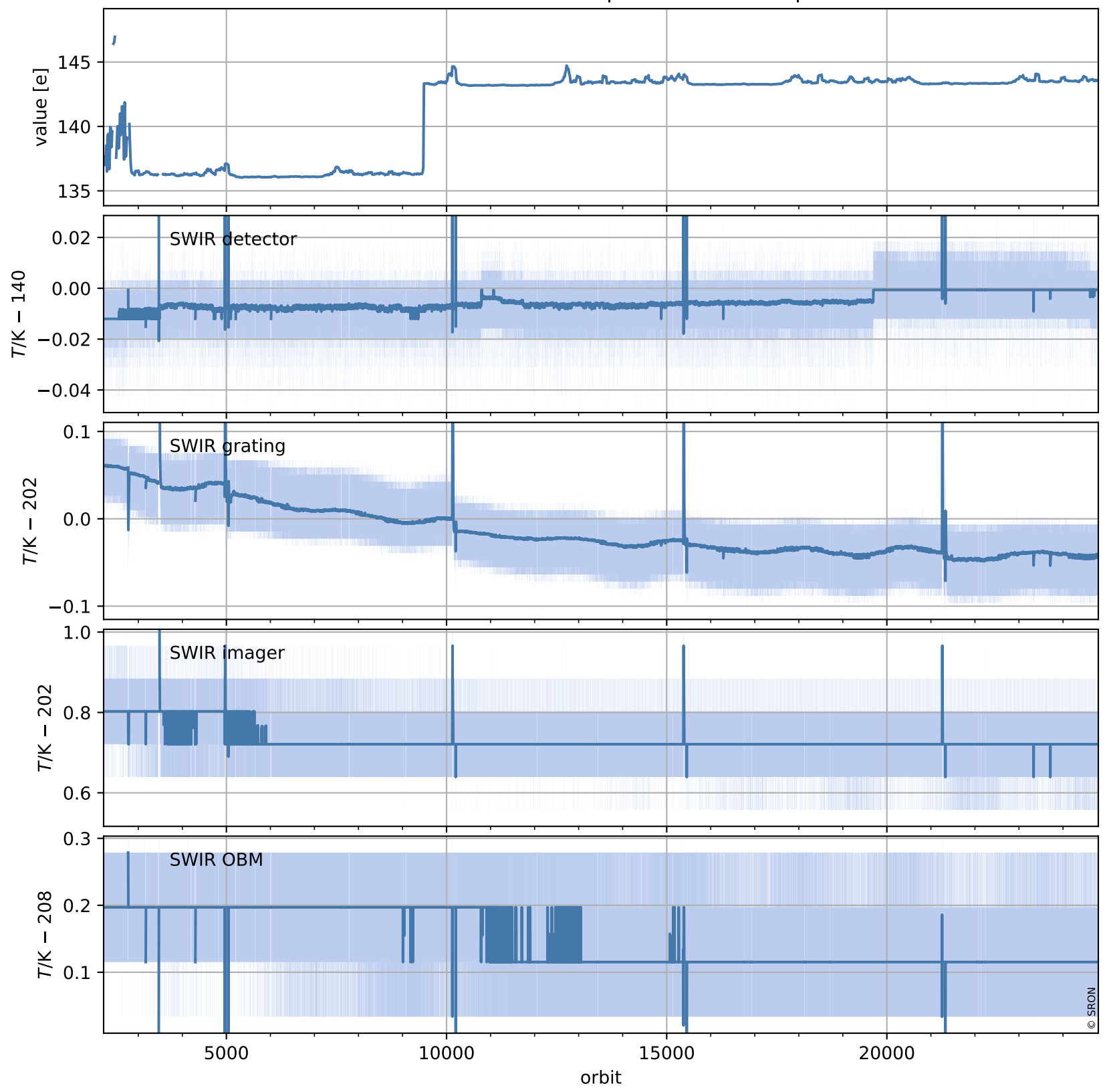
orbits : 13 in [24712, 24802]  
coverage : 2022-07-21 / 2022-07-27  
created : 2023-08-21T16:39:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 24802]  
coverage : 2018-03-18 / 2022-07-27  
created : 2023-08-21T16:39:08

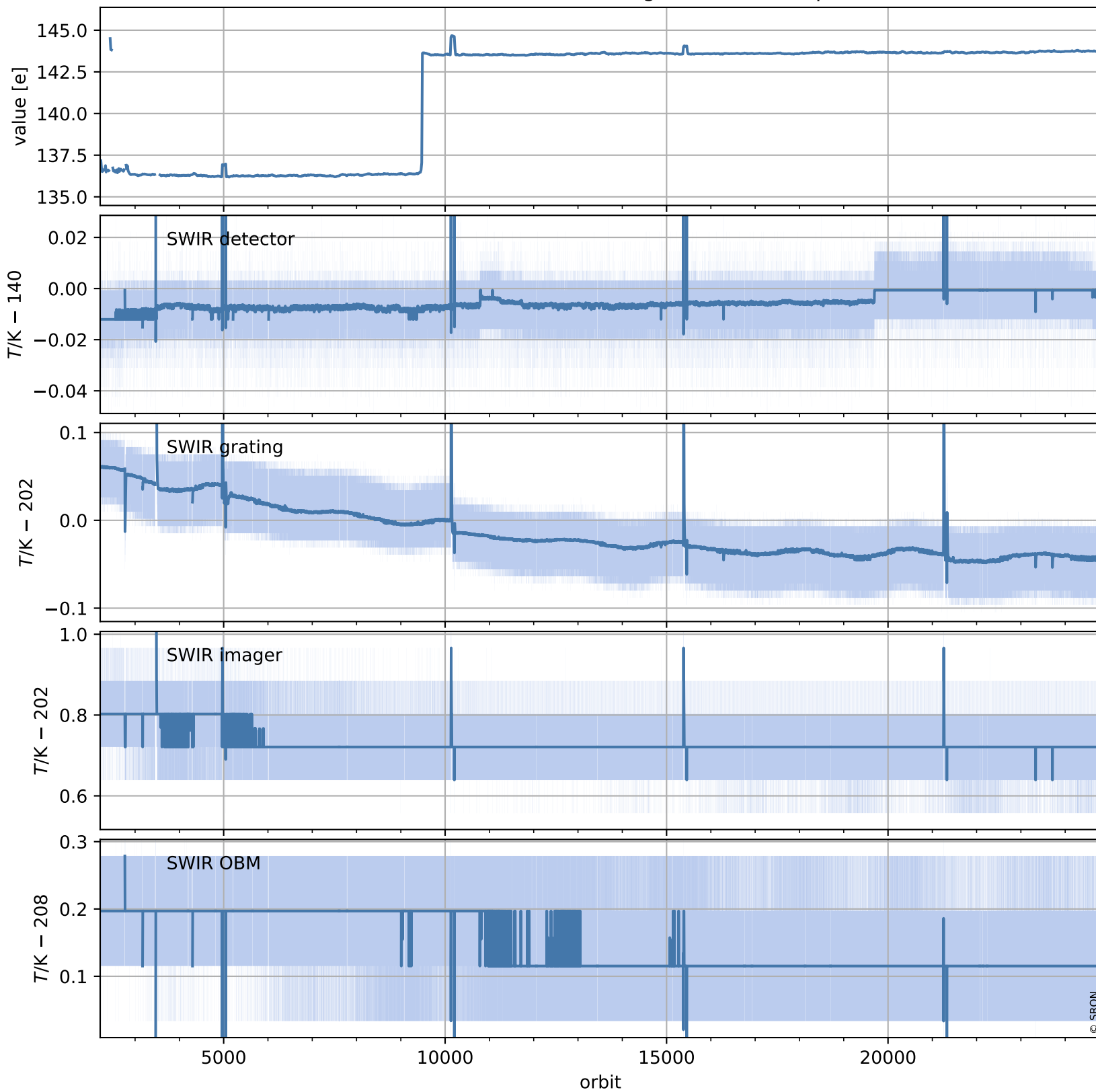
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24802]  
coverage : 2018-03-18 / 2022-07-27  
created : 2023-08-21T16:39:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24802]  
coverage : 2018-03-18 / 2022-07-27  
created : 2023-08-21T16:39:10

## trend of normalized read-noise & temperatures

