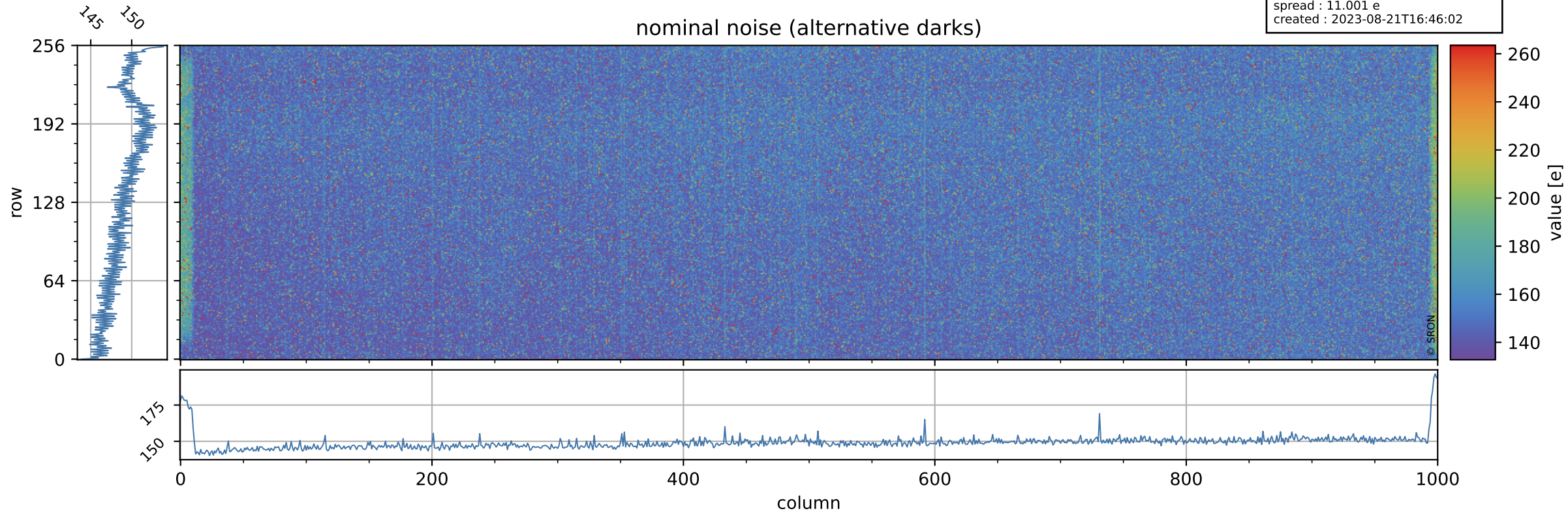


# Tropomi SWIR background noise (swir)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.91 e  
spread : 11.001 e  
created : 2023-08-21T16:46:02

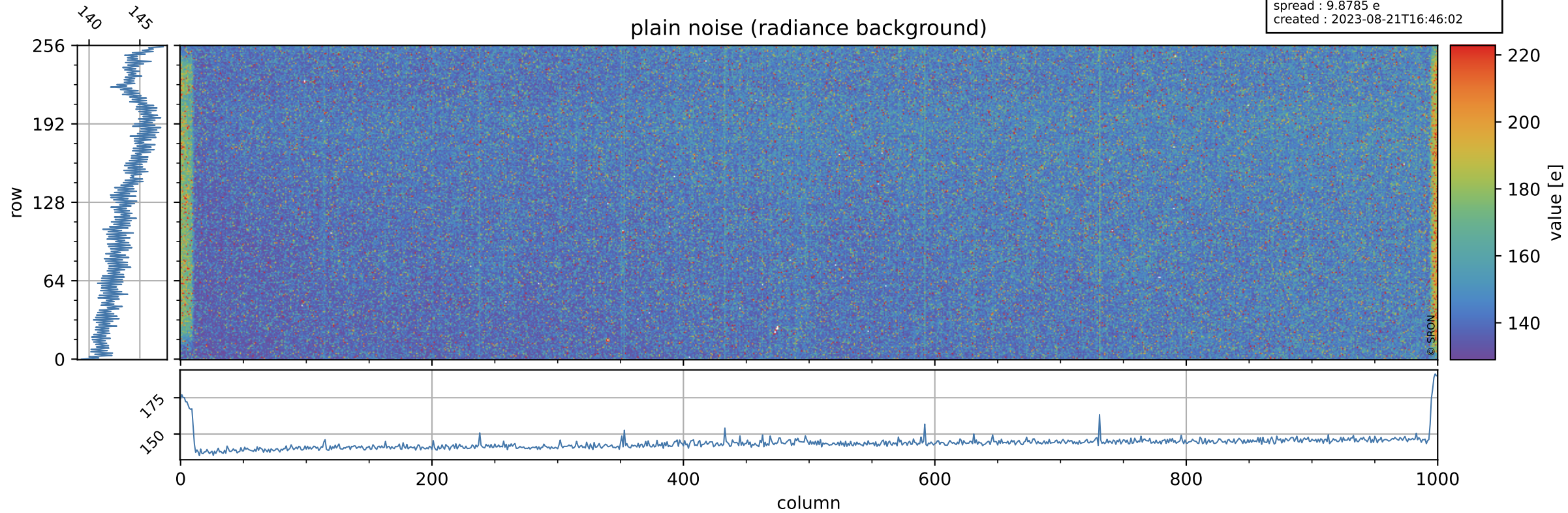
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.54 e  
spread : 9.8785 e  
created : 2023-08-21T16:46:02

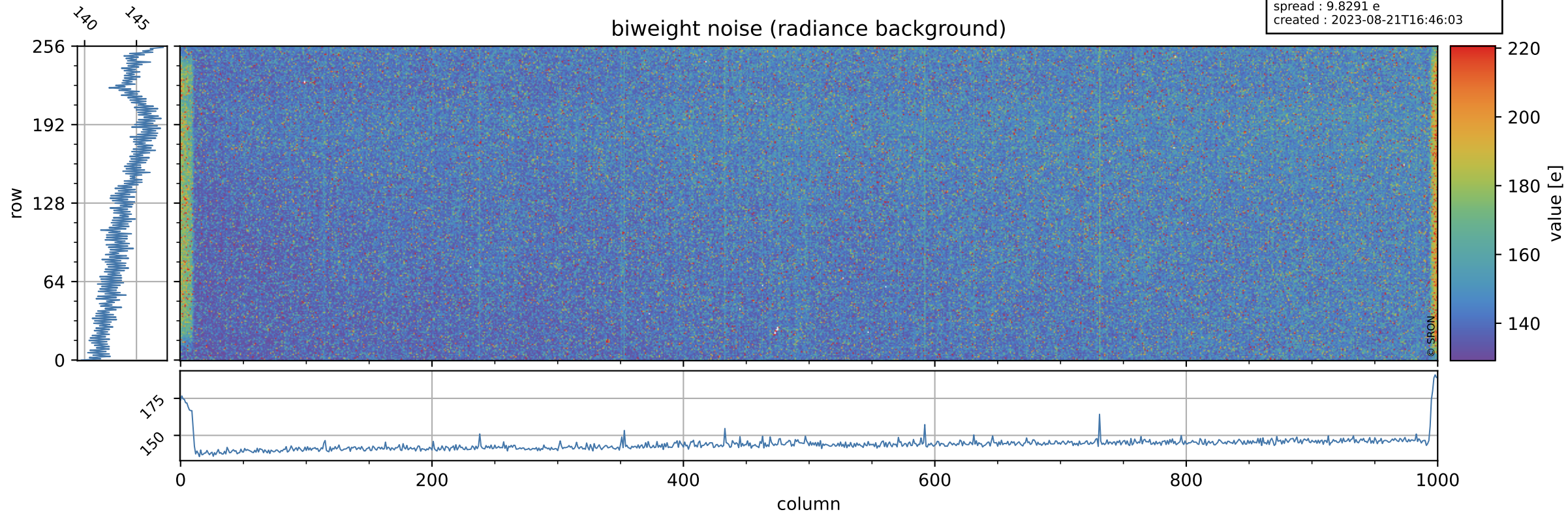
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.8291 e  
created : 2023-08-21T16:46:03

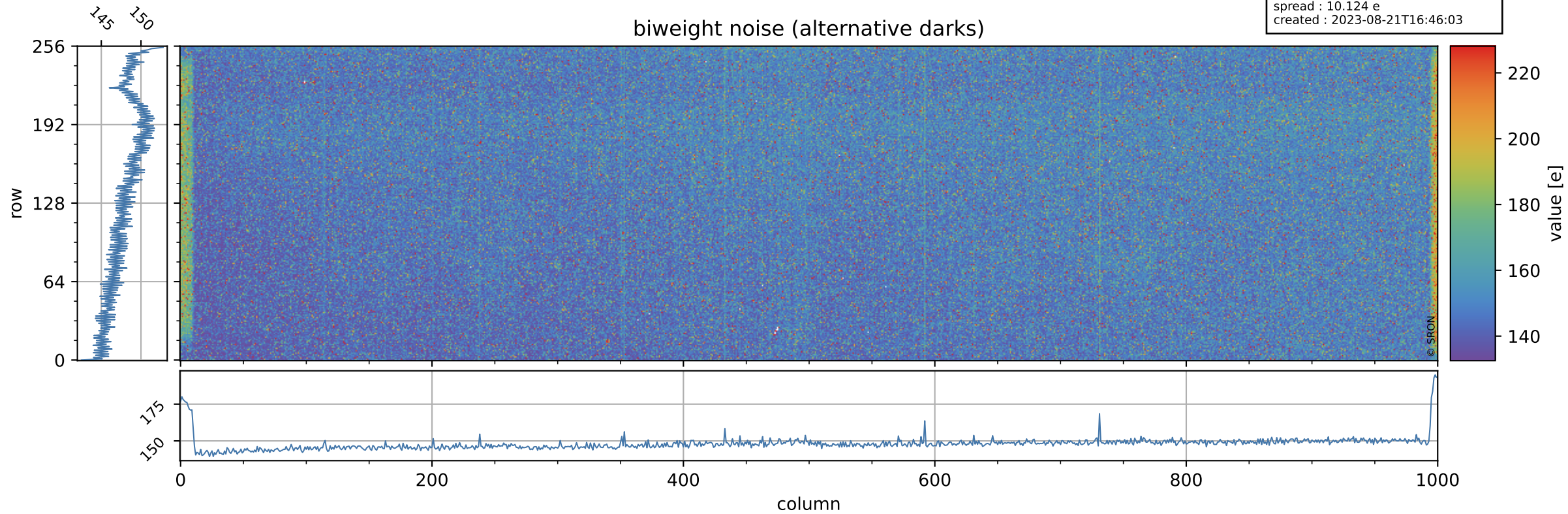
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.84 e  
spread : 10.124 e  
created : 2023-08-21T16:46:03

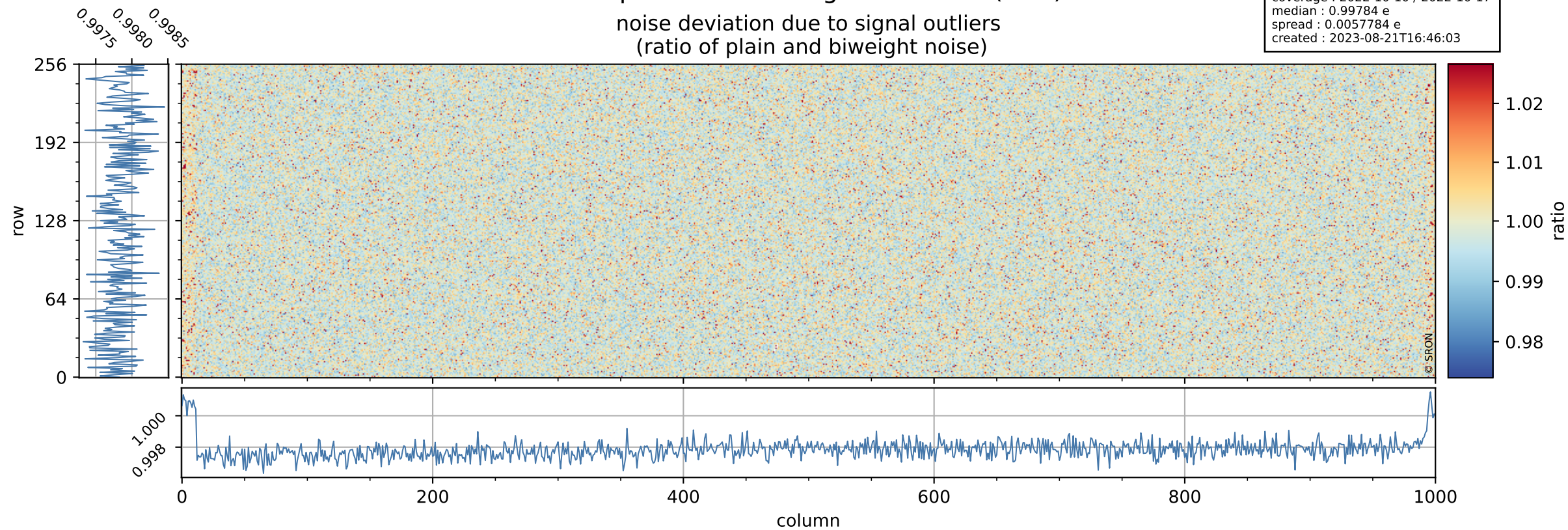
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

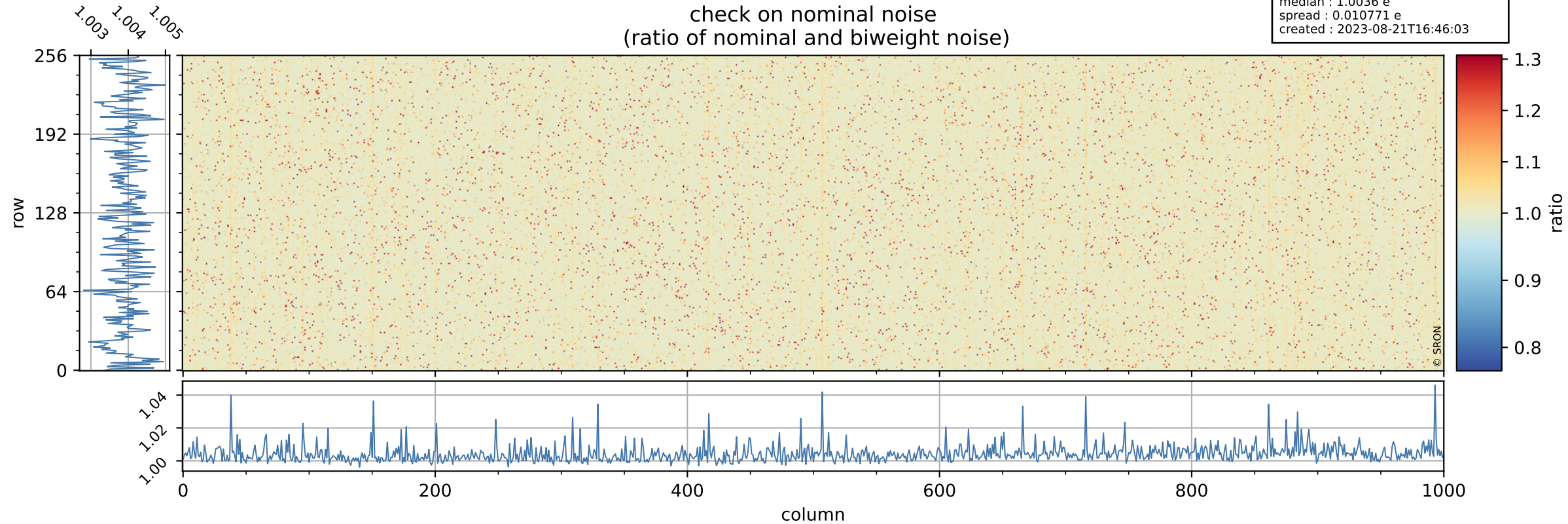
orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
median : 0.99784 e  
spread : 0.0057784 e  
created : 2023-08-21T16:46:03



# Tropomi SWIR background noise (swir)

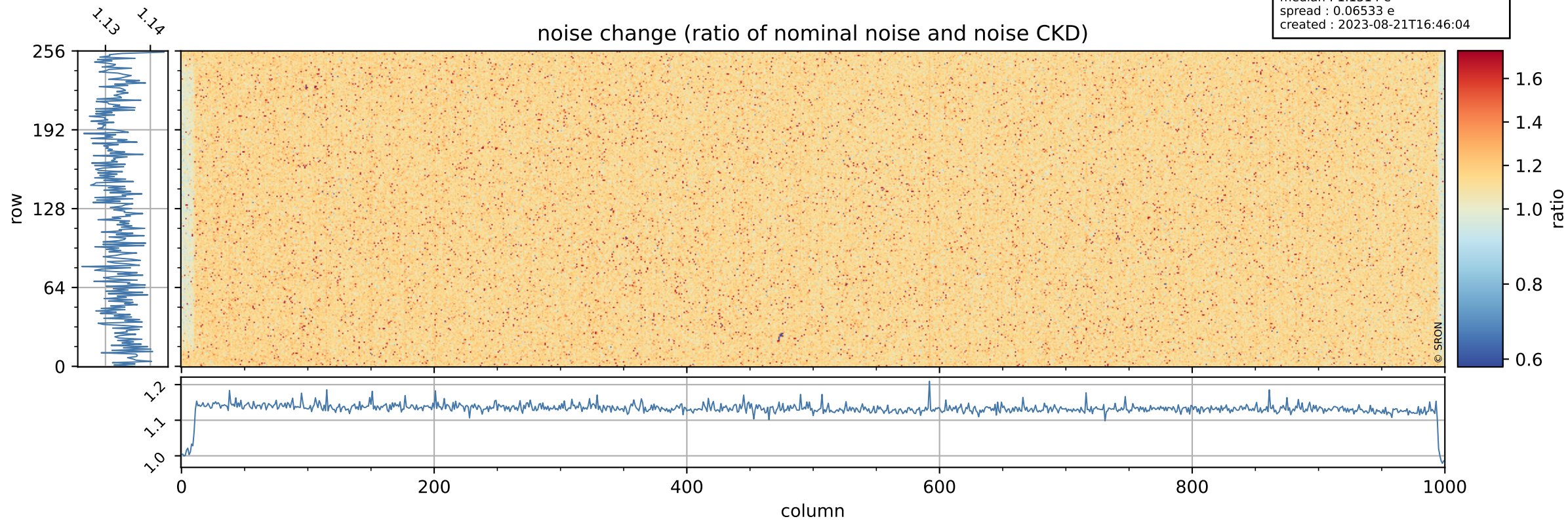
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
median : 1.0036 e  
spread : 0.010771 e  
created : 2023-08-21T16:46:03



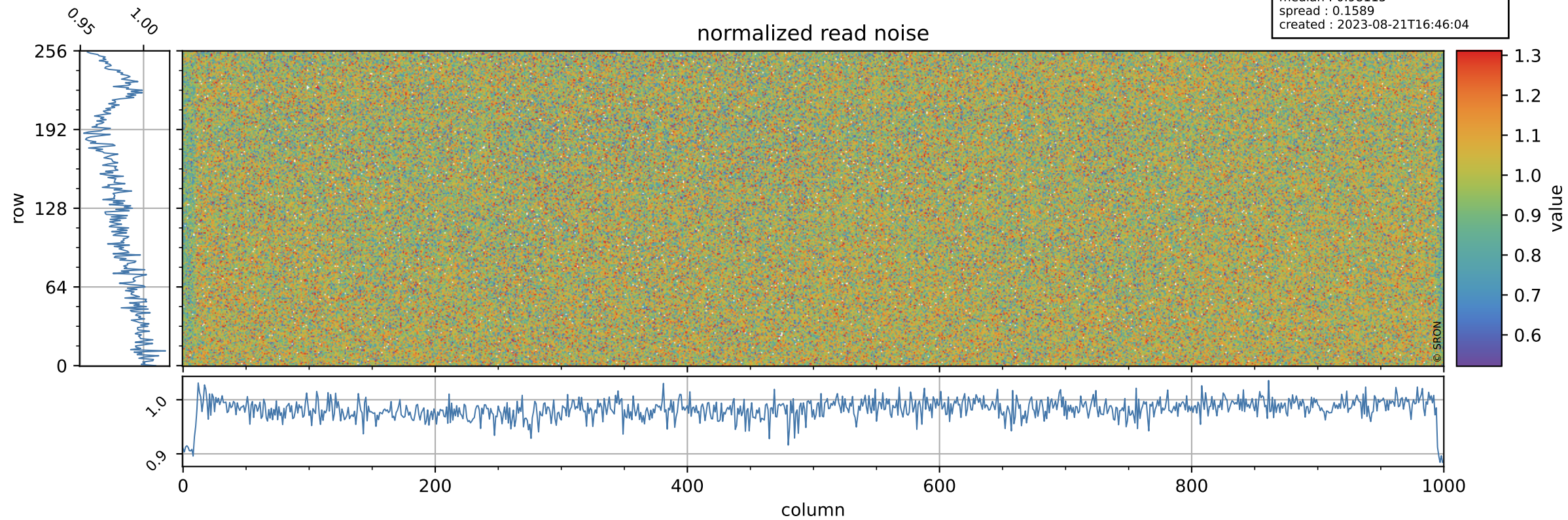
# Tropomi SWIR background noise (swir)

orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
median : 1.1314 e  
spread : 0.06533 e  
created : 2023-08-21T16:46:04



# Tropomi SWIR background noise (swir)

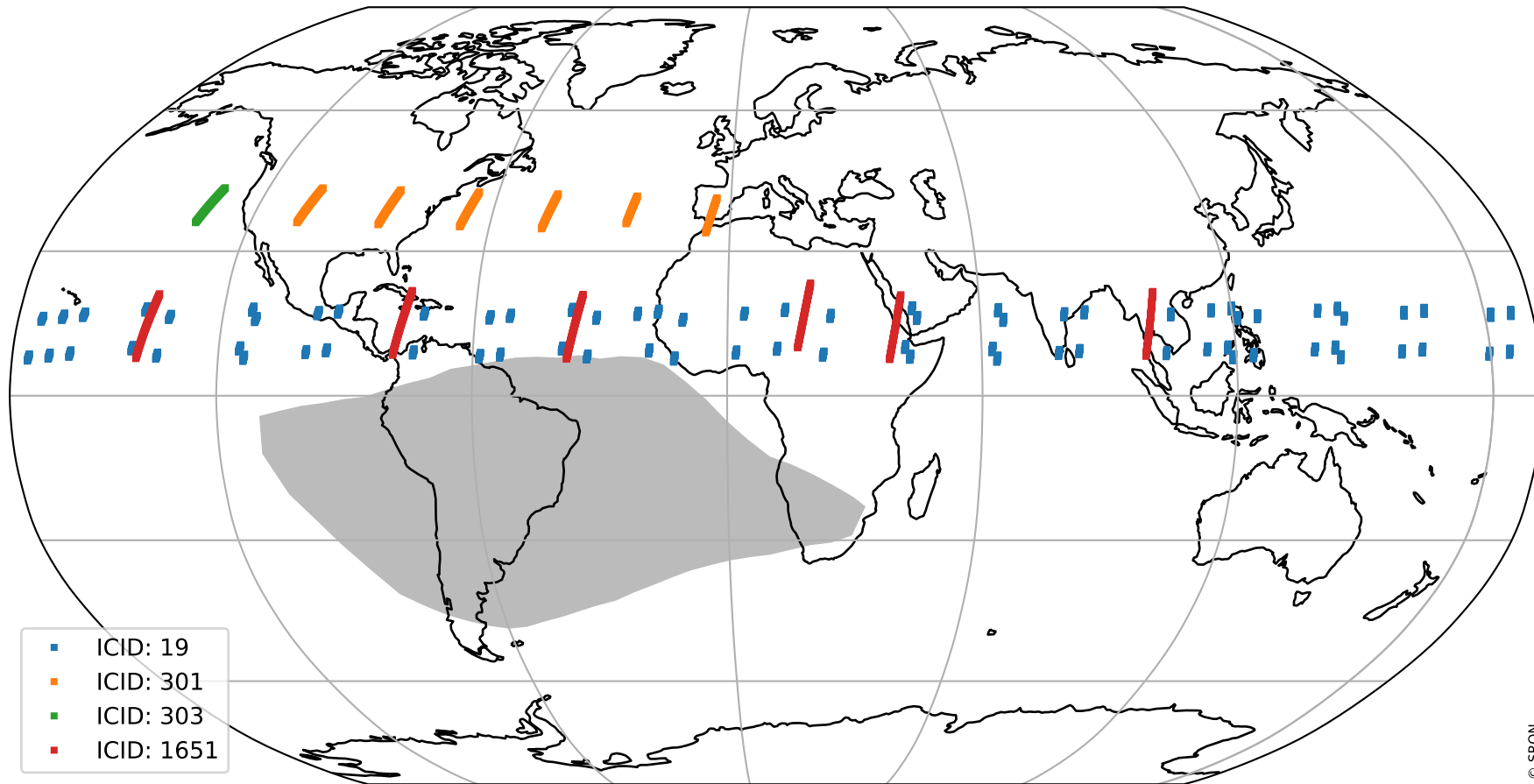
orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
median : 0.98115  
spread : 0.1589  
created : 2023-08-21T16:46:04





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

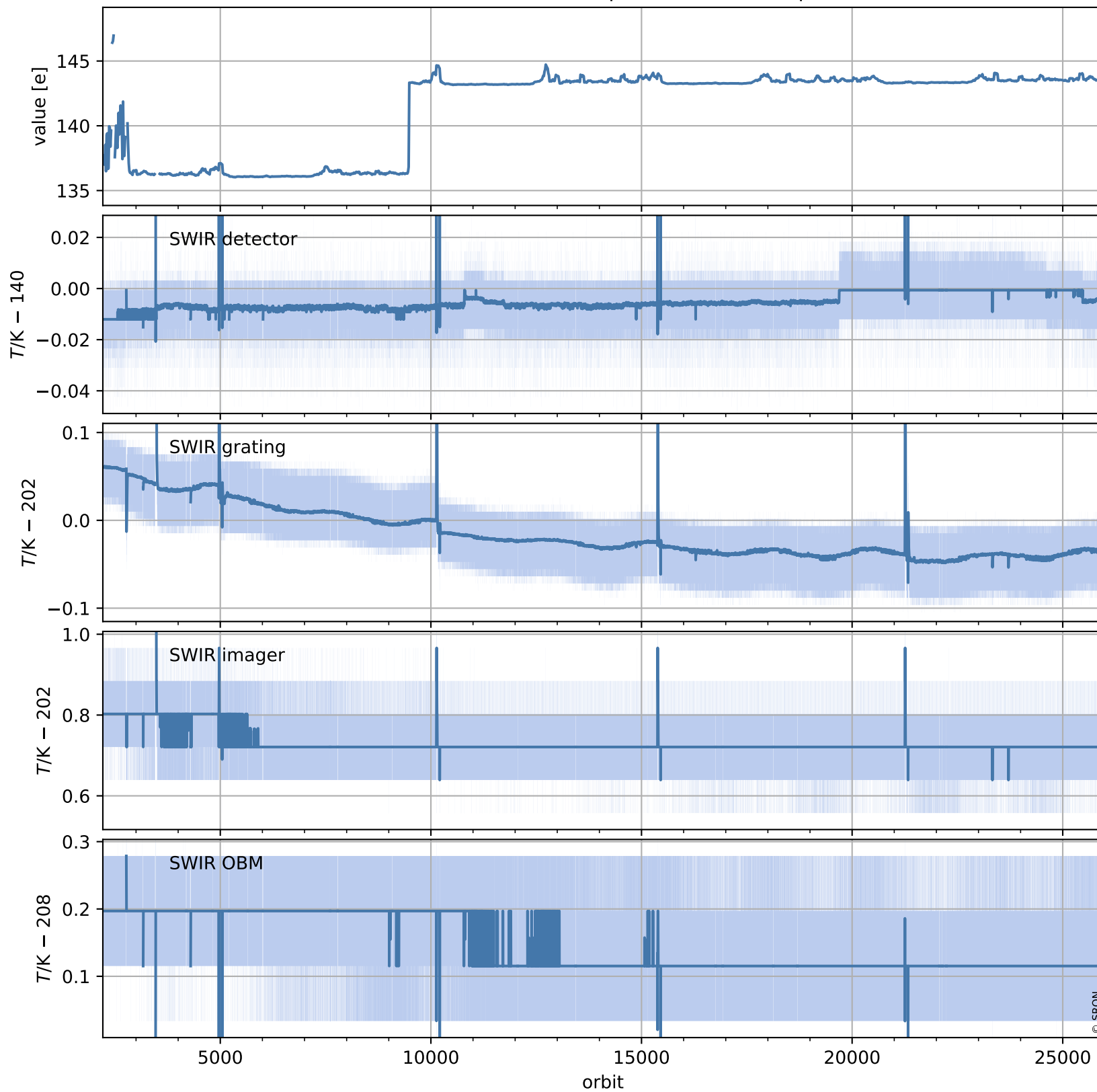
orbits : 13 in [25867, 25957]  
coverage : 2022-10-10 / 2022-10-17  
created : 2023-08-21T16:46:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 25957]  
coverage : 2018-03-18 / 2022-10-17  
created : 2023-08-21T16:46:05

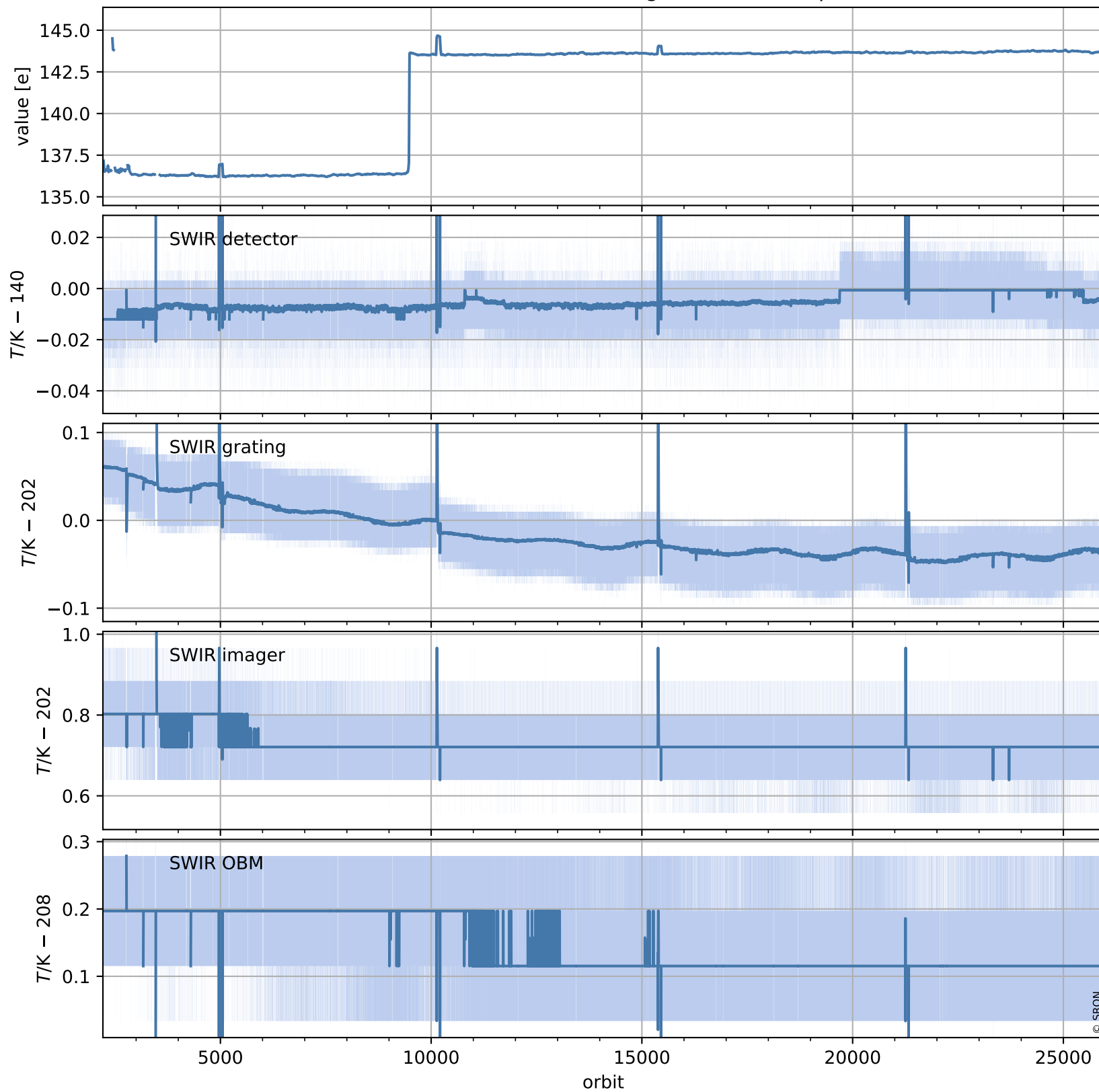
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25957]  
coverage : 2018-03-18 / 2022-10-17  
created : 2023-08-21T16:46:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25957]  
coverage : 2018-03-18 / 2022-10-17  
created : 2023-08-21T16:46:06

## trend of normalized read-noise & temperatures

