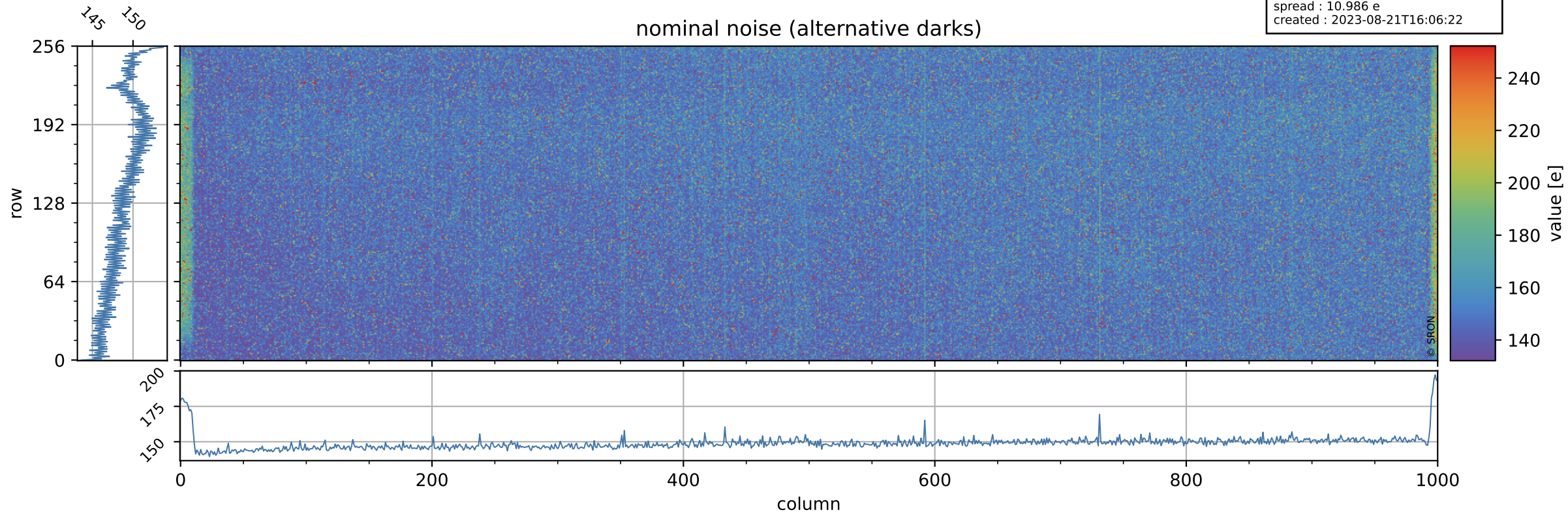


# Tropomi SWIR background noise (swir)

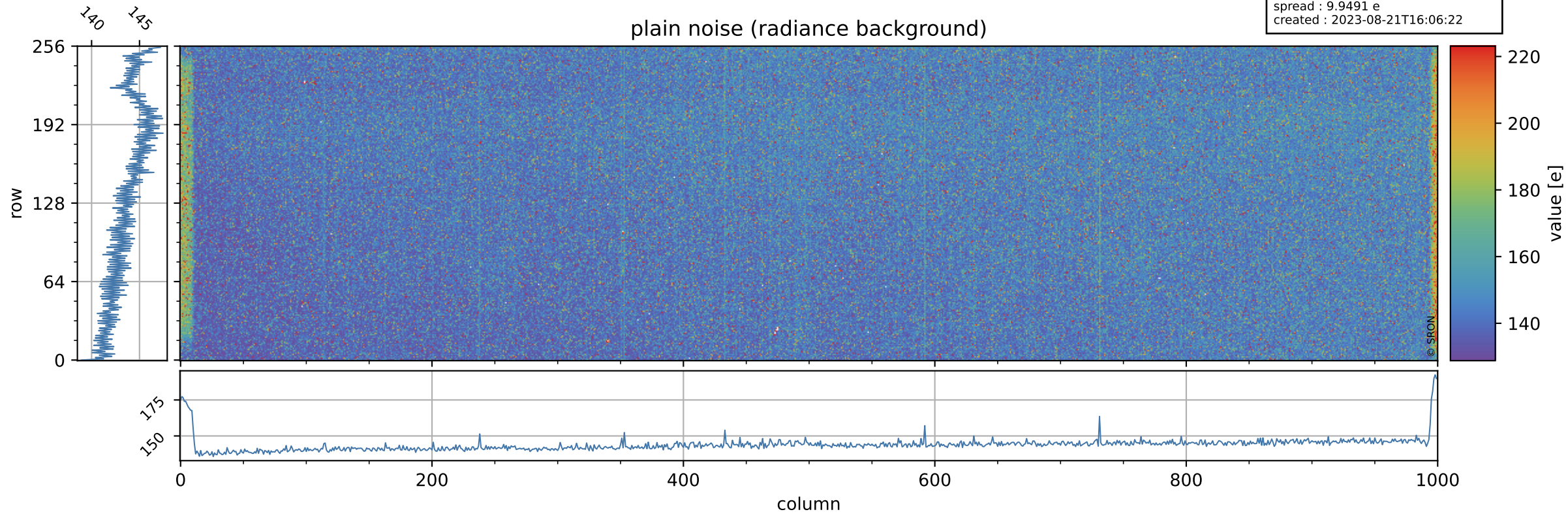
orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.68 e  
spread : 10.986 e  
created : 2023-08-21T16:06:22



# Tropomi SWIR background noise (swir)

orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.62 e  
spread : 9.9491 e  
created : 2023-08-21T16:06:22

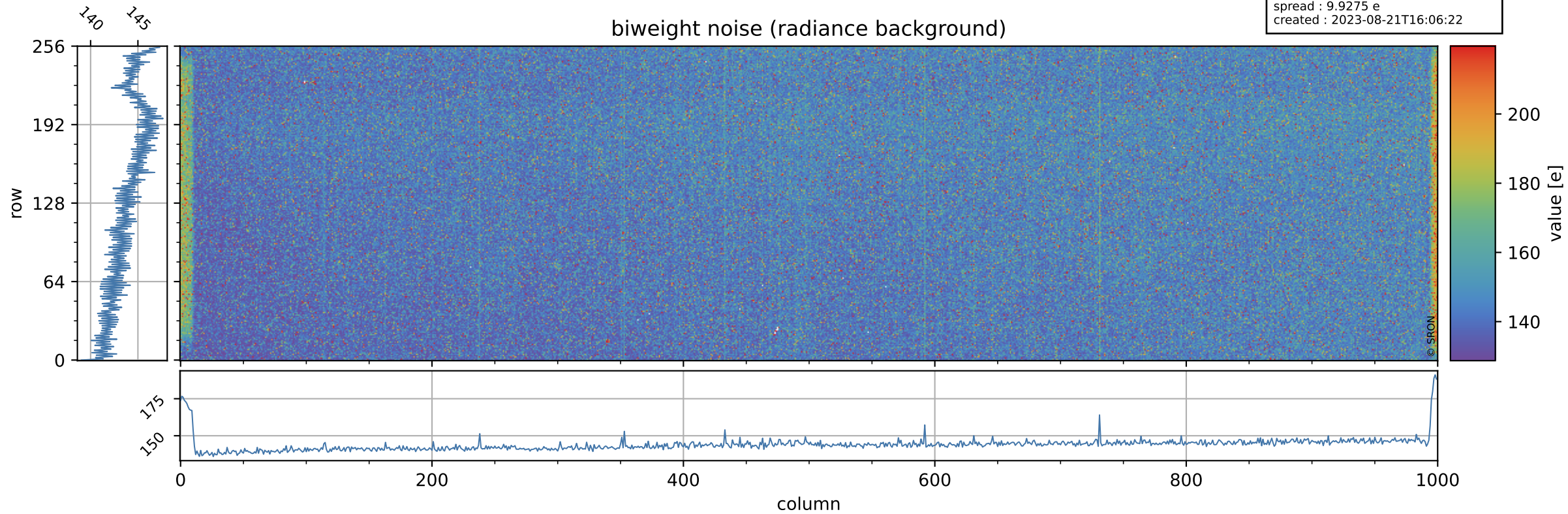
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9275 e  
created : 2023-08-21T16:06:22

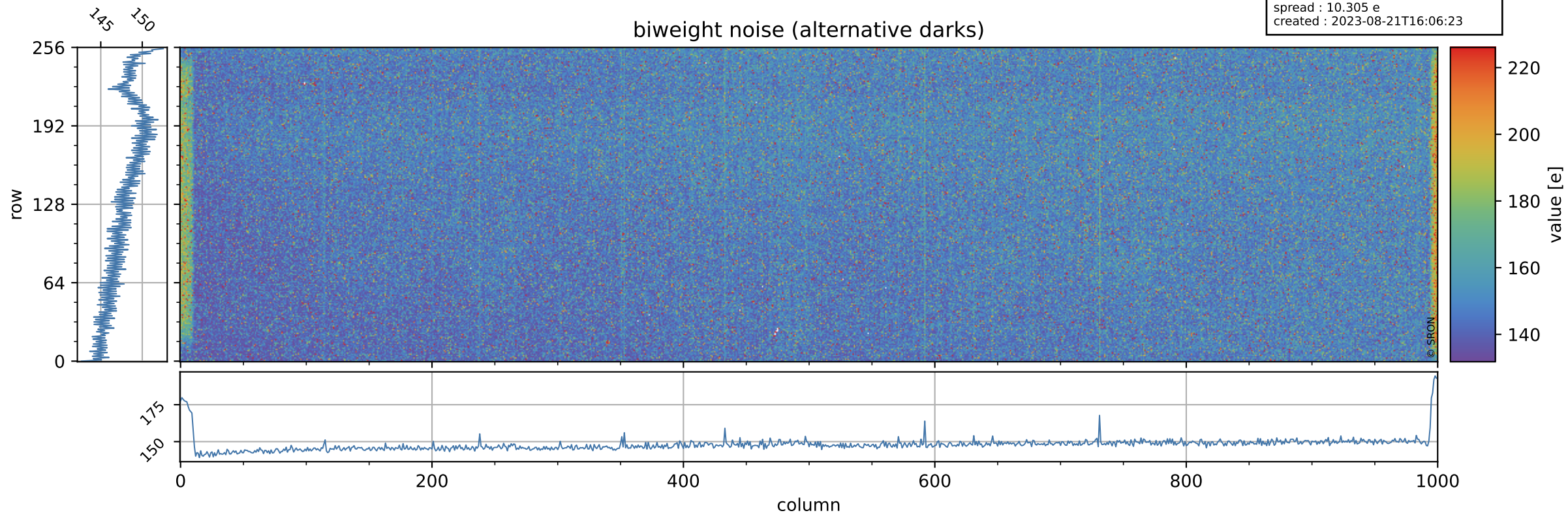
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.305 e  
created : 2023-08-21T16:06:23

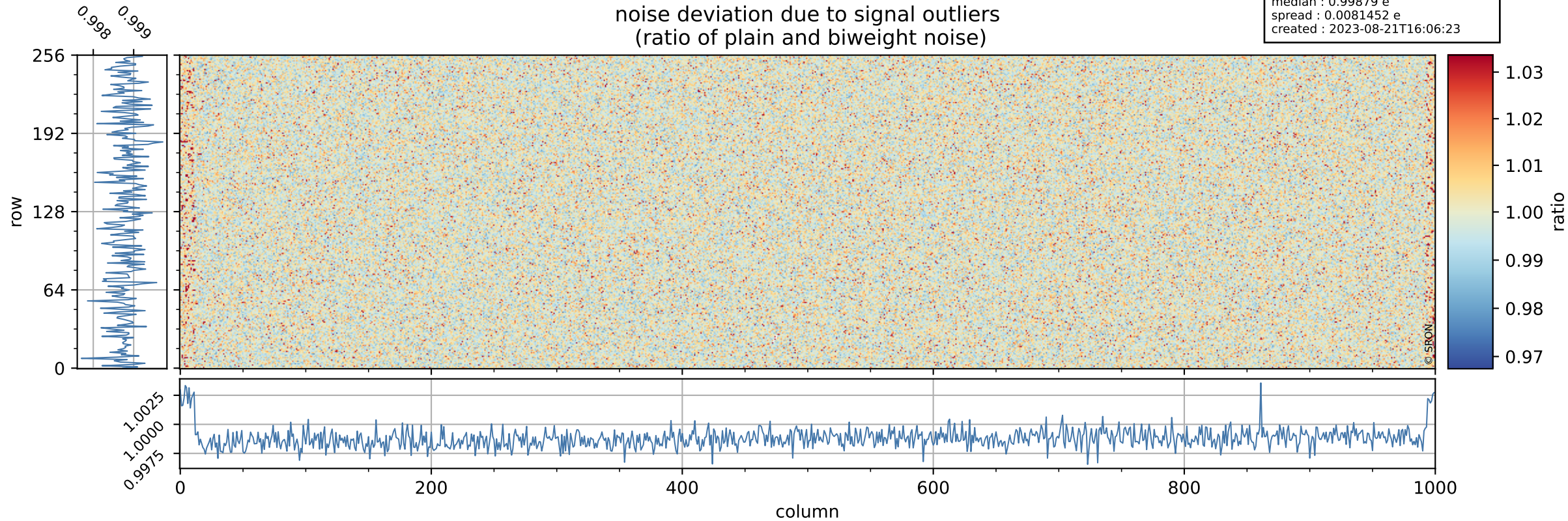
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

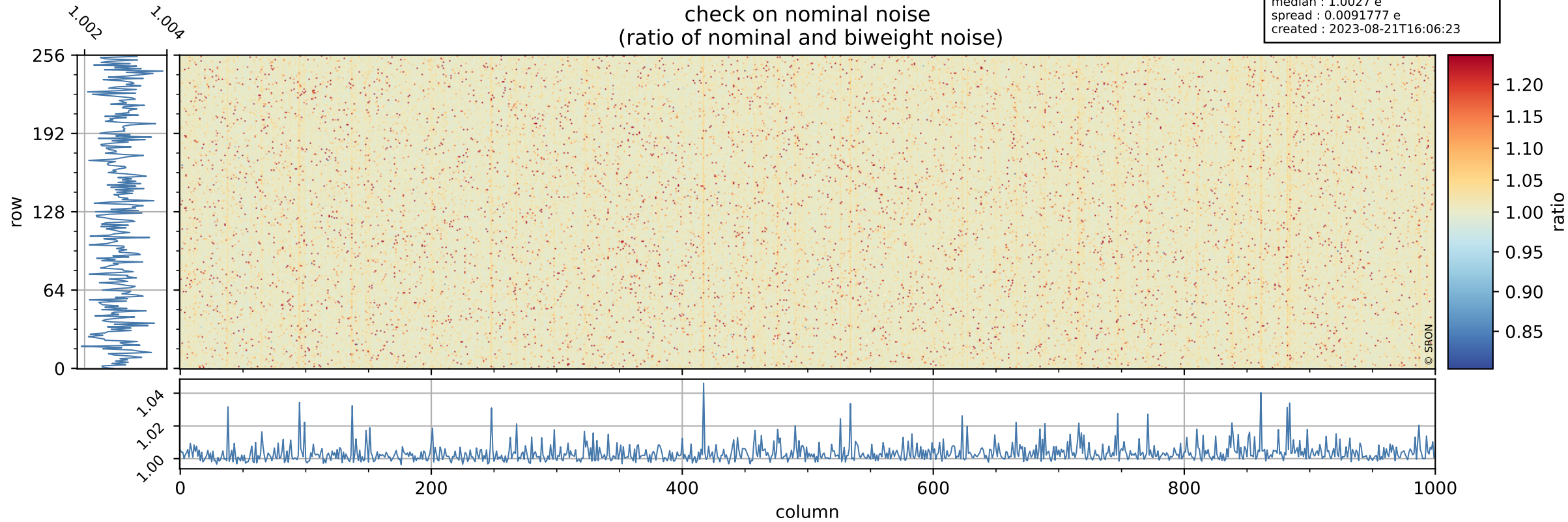
orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
median : 0.99879 e  
spread : 0.0081452 e  
created : 2023-08-21T16:06:23



# Tropomi SWIR background noise (swir)

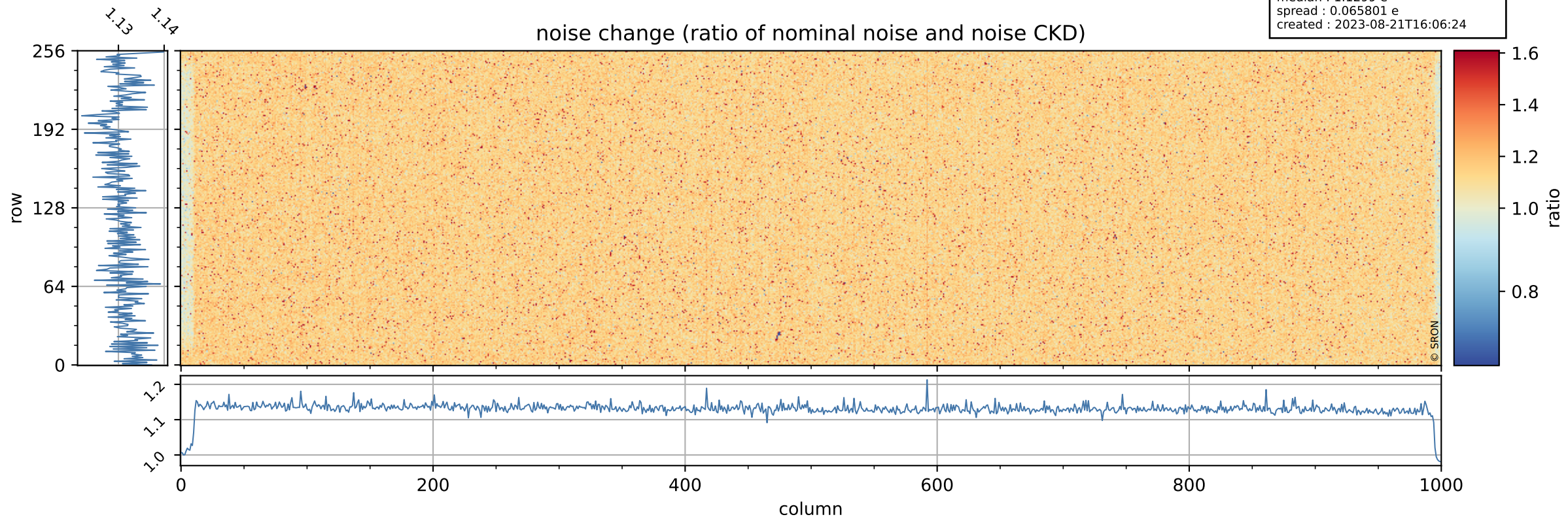
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
median : 1.0027 e  
spread : 0.0091777 e  
created : 2023-08-21T16:06:23



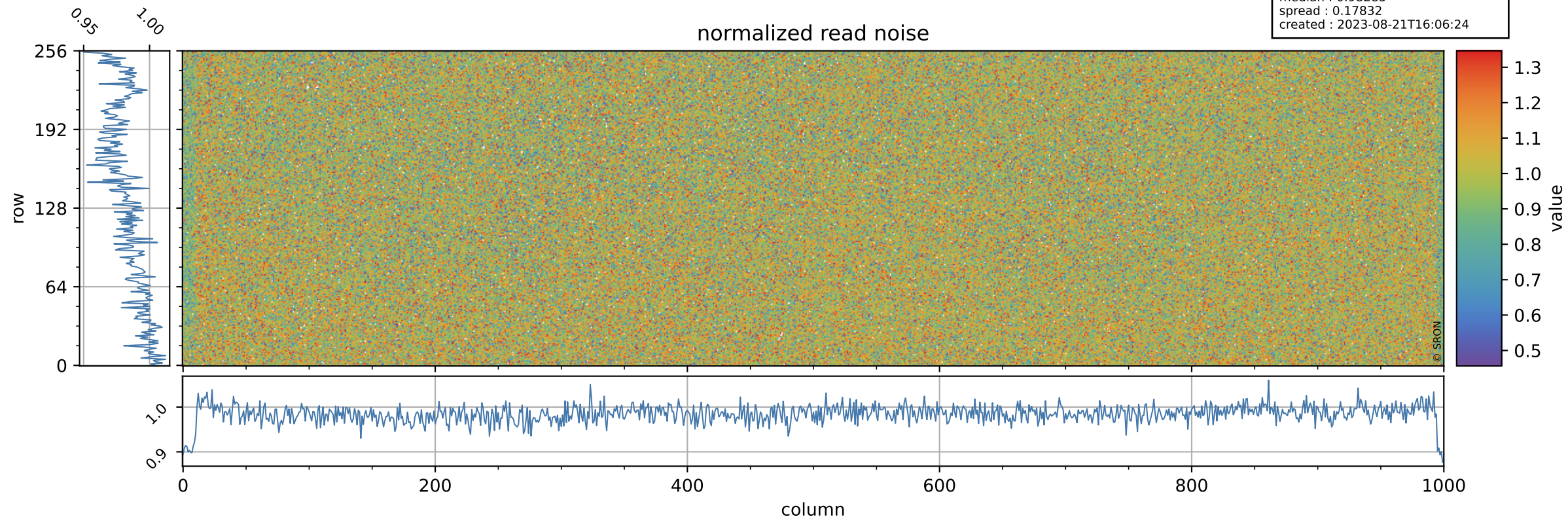
# Tropomi SWIR background noise (swir)

orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
median : 1.1299 e  
spread : 0.065801 e  
created : 2023-08-21T16:06:24



# Tropomi SWIR background noise (swir)

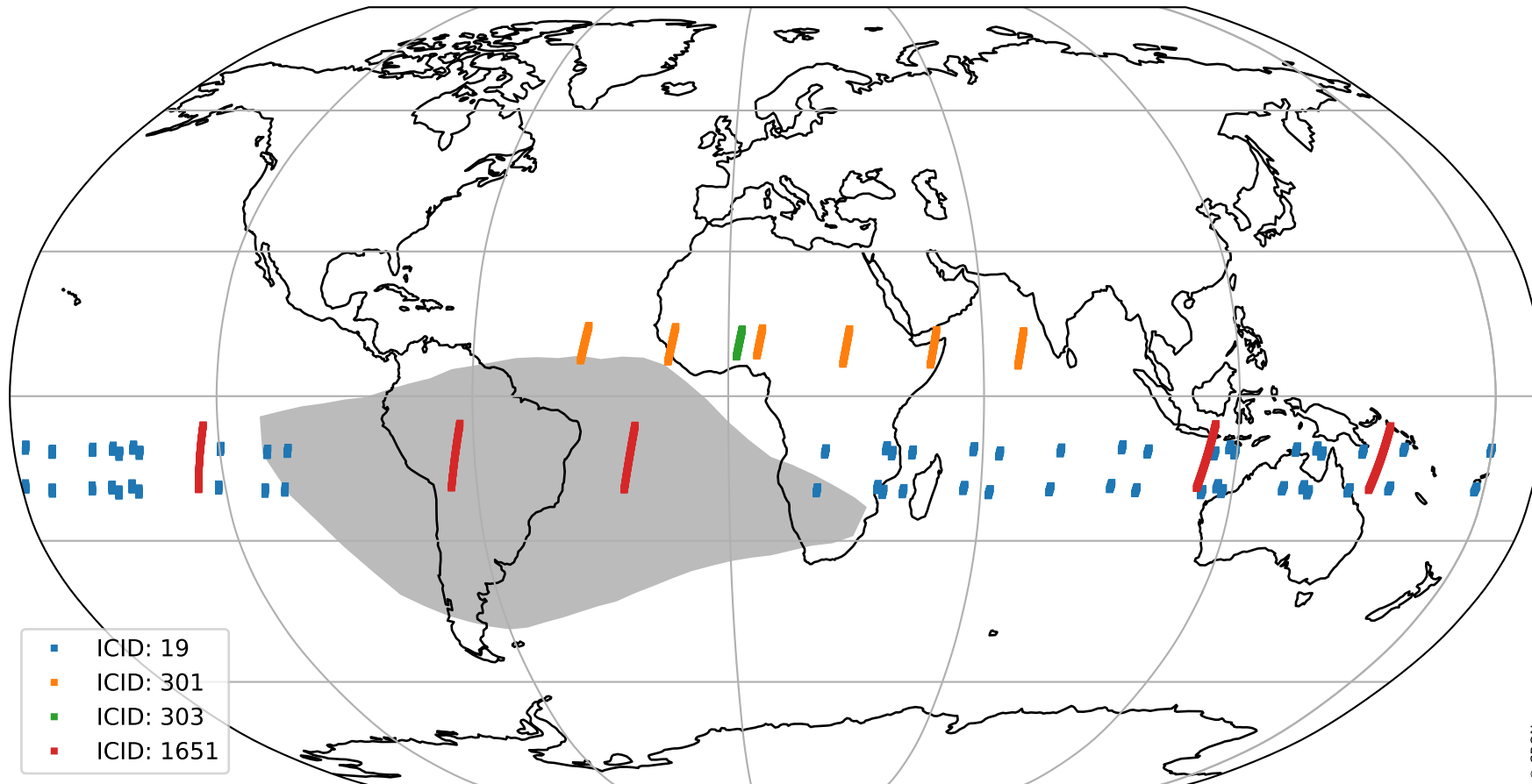
orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
median : 0.98285  
spread : 0.17832  
created : 2023-08-21T16:06:24





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

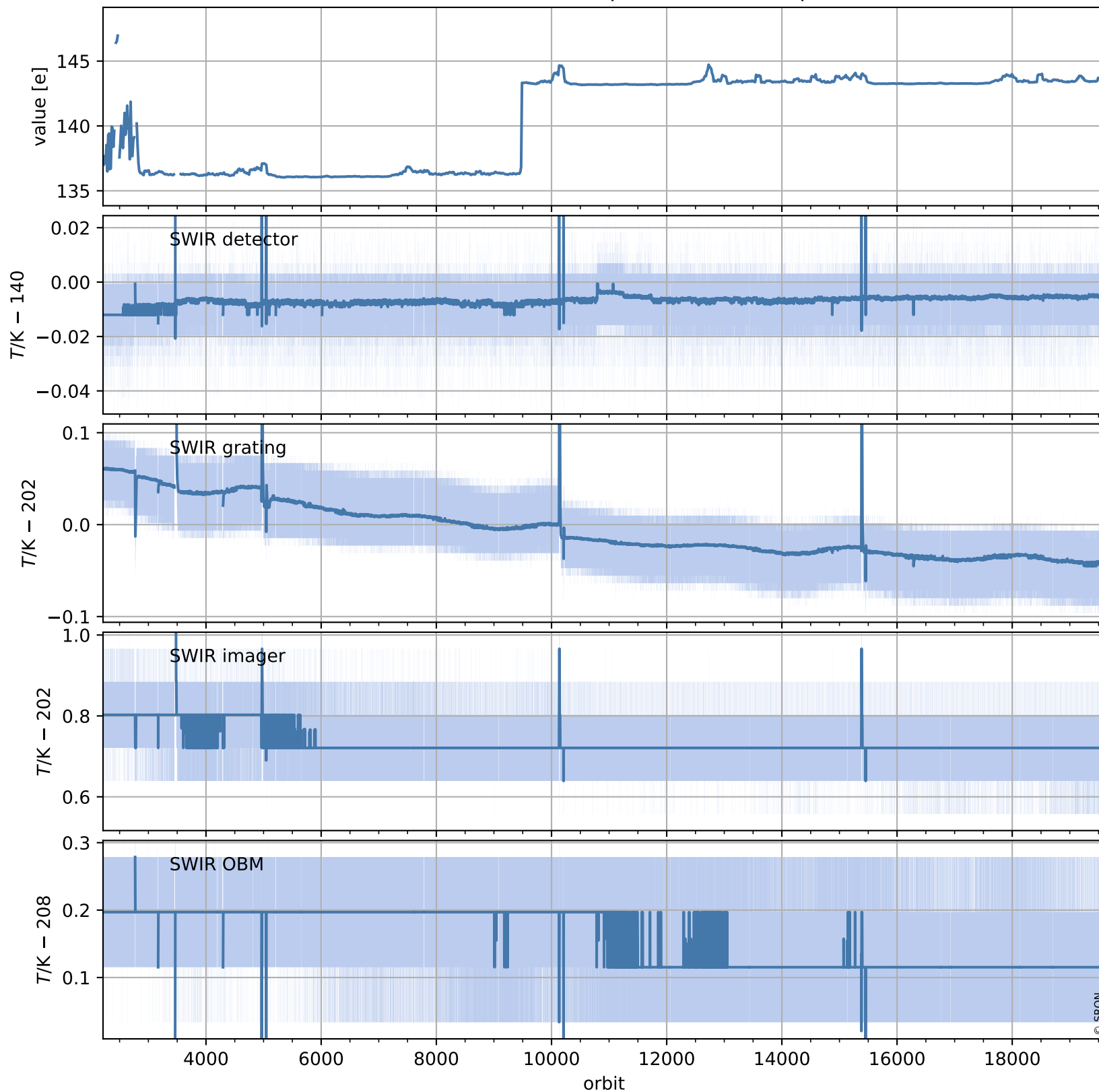
orbits : 12 in [19522, 19612]  
coverage : 2021-07-20 / 2021-07-26  
created : 2023-08-21T16:06:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 19612]  
coverage : 2018-03-18 / 2021-07-26  
created : 2023-08-21T16:06:24

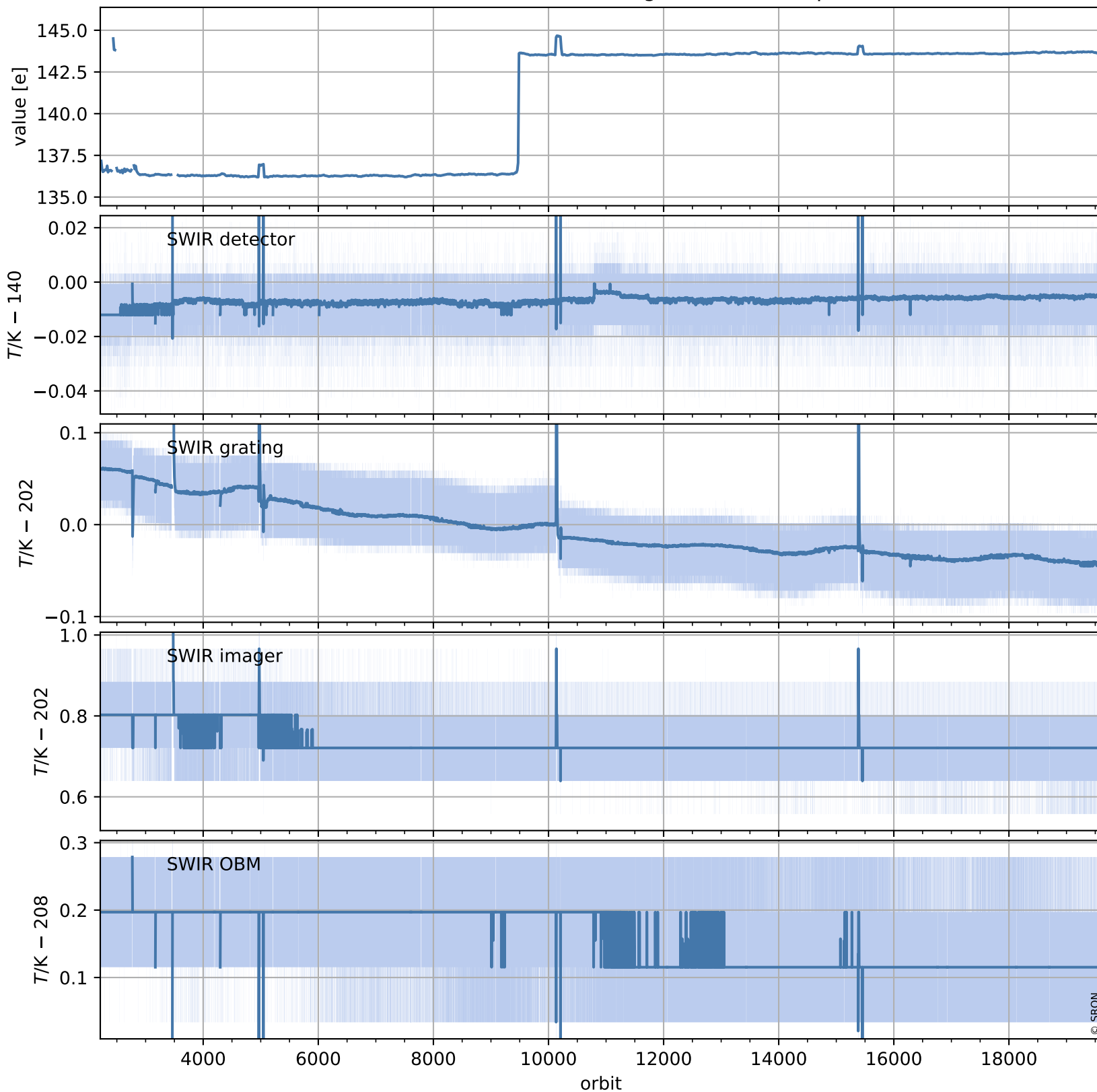
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19612]  
coverage : 2018-03-18 / 2021-07-26  
created : 2023-08-21T16:06:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19612]  
coverage : 2018-03-18 / 2021-07-26  
created : 2023-08-21T16:06:26

## trend of normalized read-noise & temperatures

