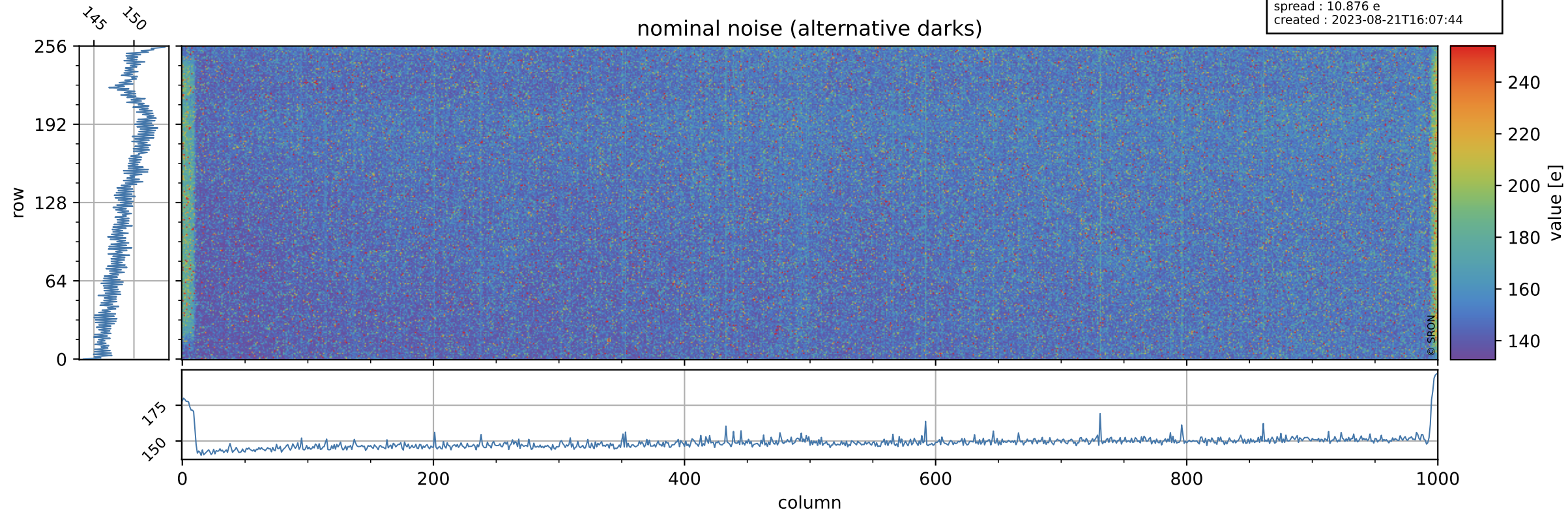


# Tropomi SWIR background noise (swir)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
n\_coad, t\_exp : 1, 1.0783  
median : 148.82 e  
spread : 10.876 e  
created : 2023-08-21T16:07:44

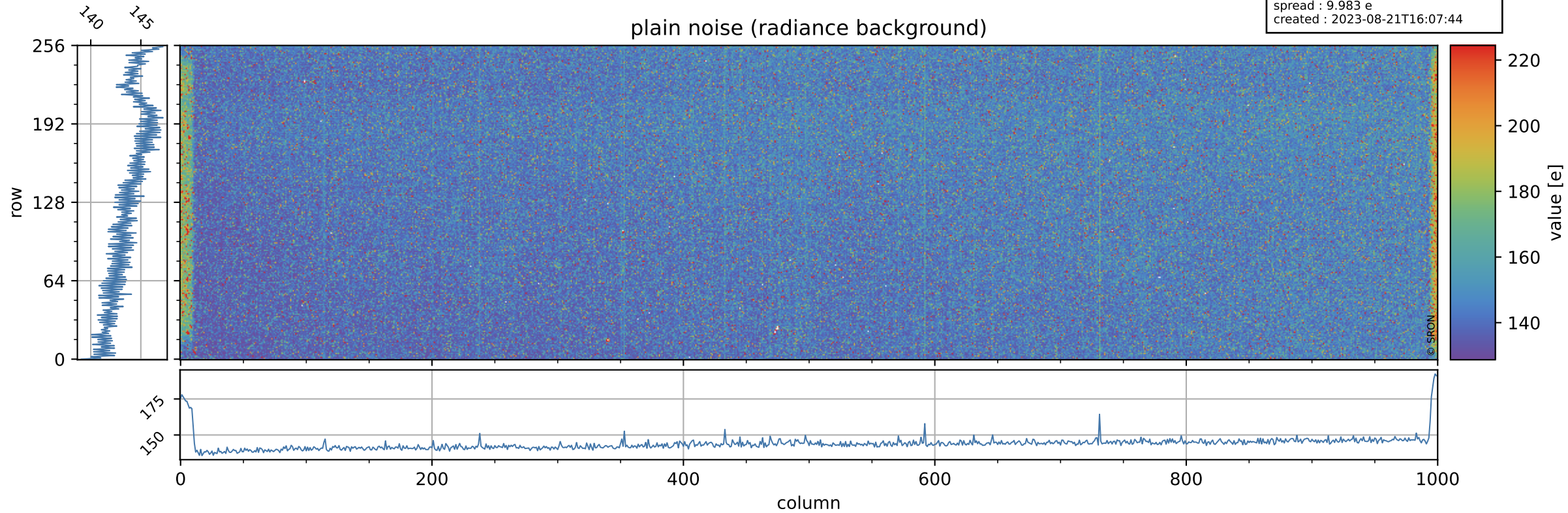
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.983 e  
created : 2023-08-21T16:07:44

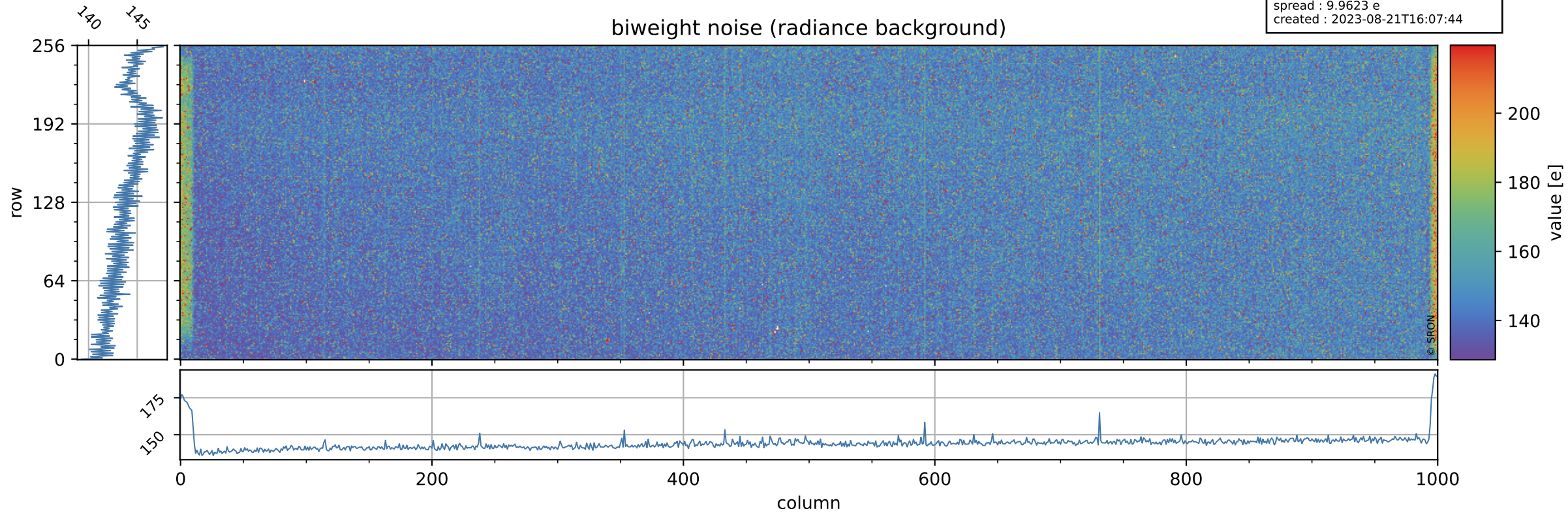
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.9623 e  
created : 2023-08-21T16:07:44

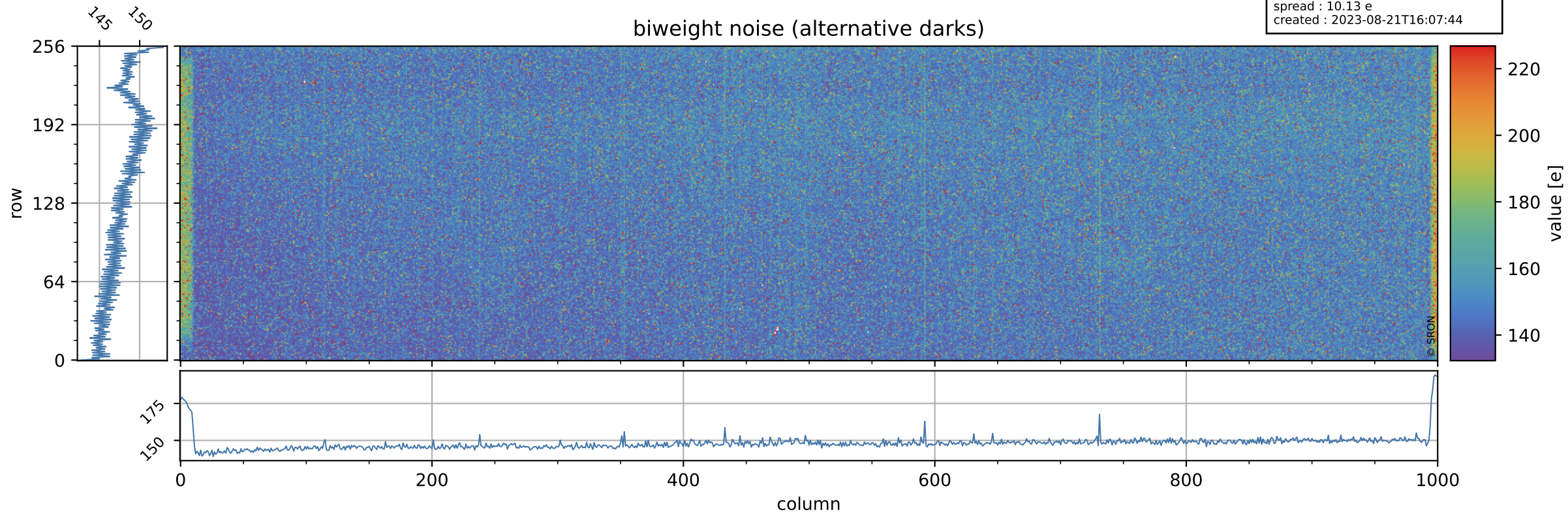
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.13 e  
created : 2023-08-21T16:07:44

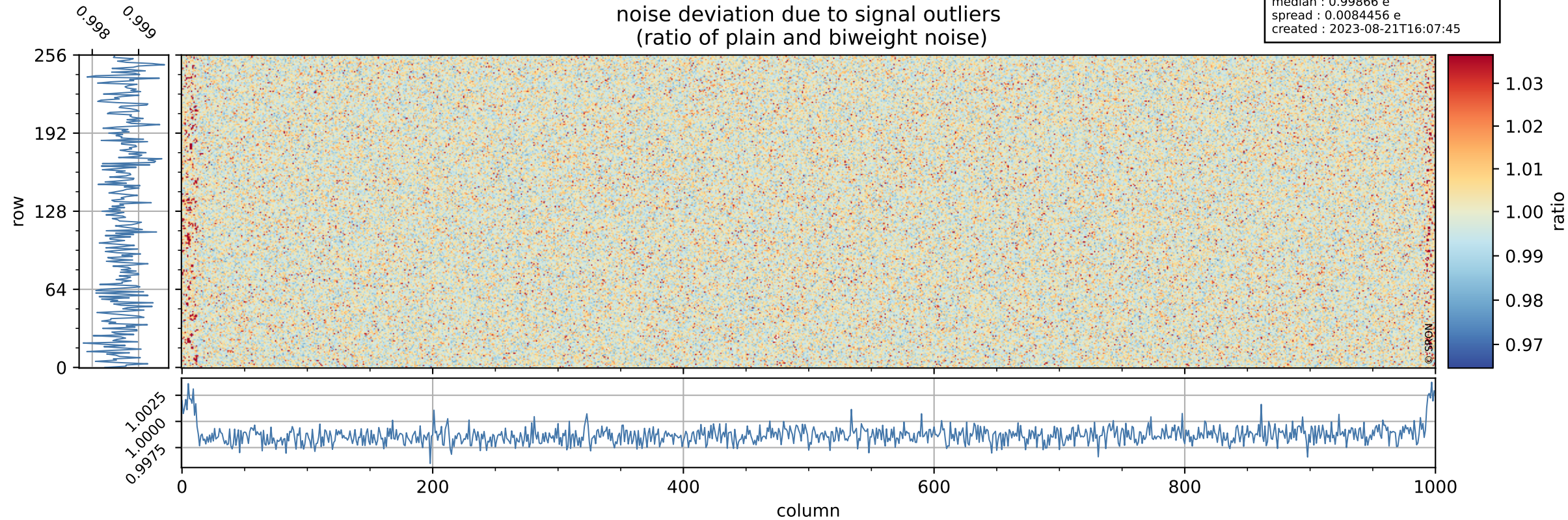
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

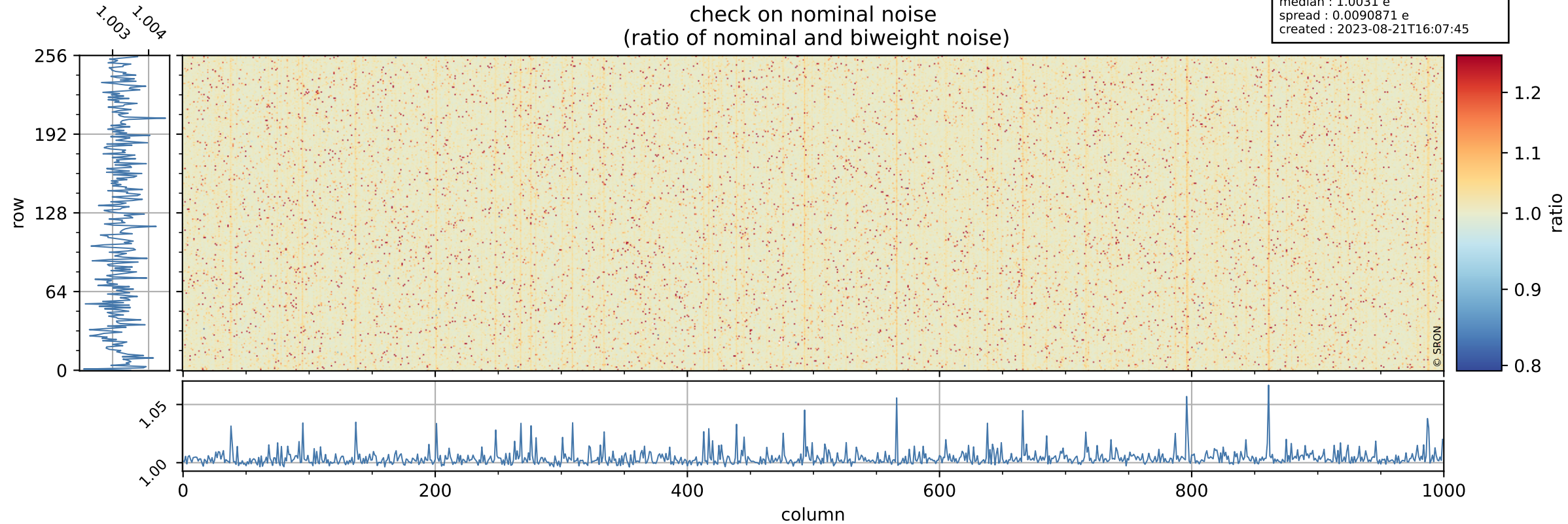
orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
median : 0.99866 e  
spread : 0.0084456 e  
created : 2023-08-21T16:07:45



# Tropomi SWIR background noise (swir)

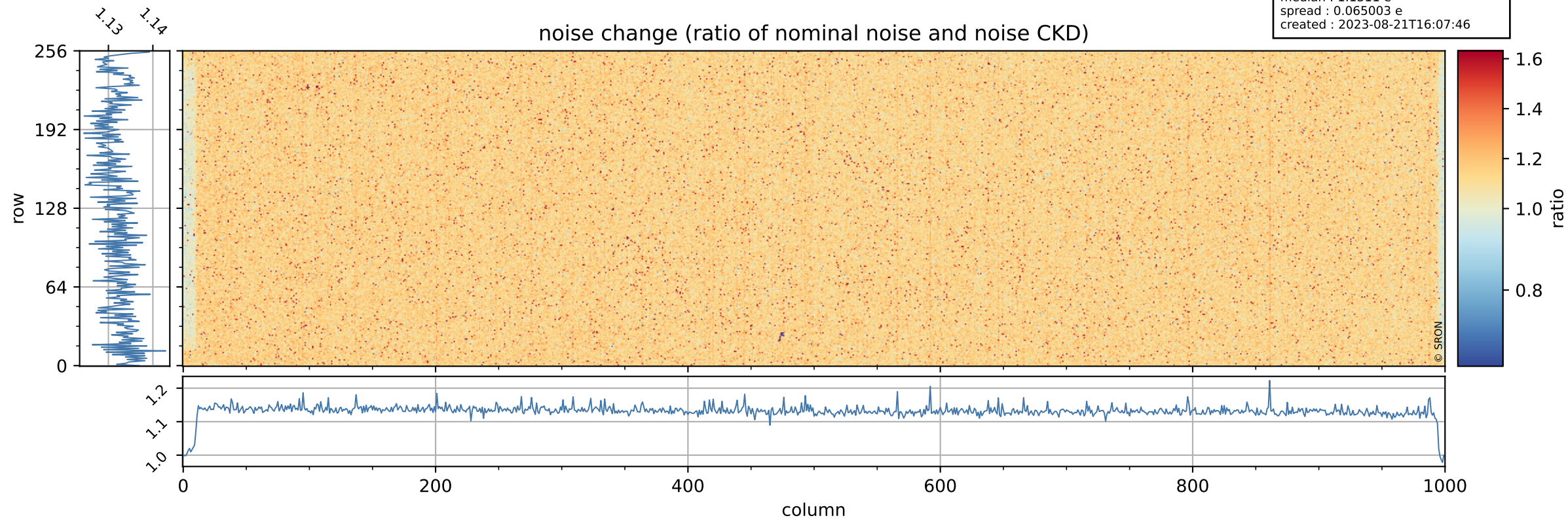
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
median : 1.0031 e  
spread : 0.0090871 e  
created : 2023-08-21T16:07:45



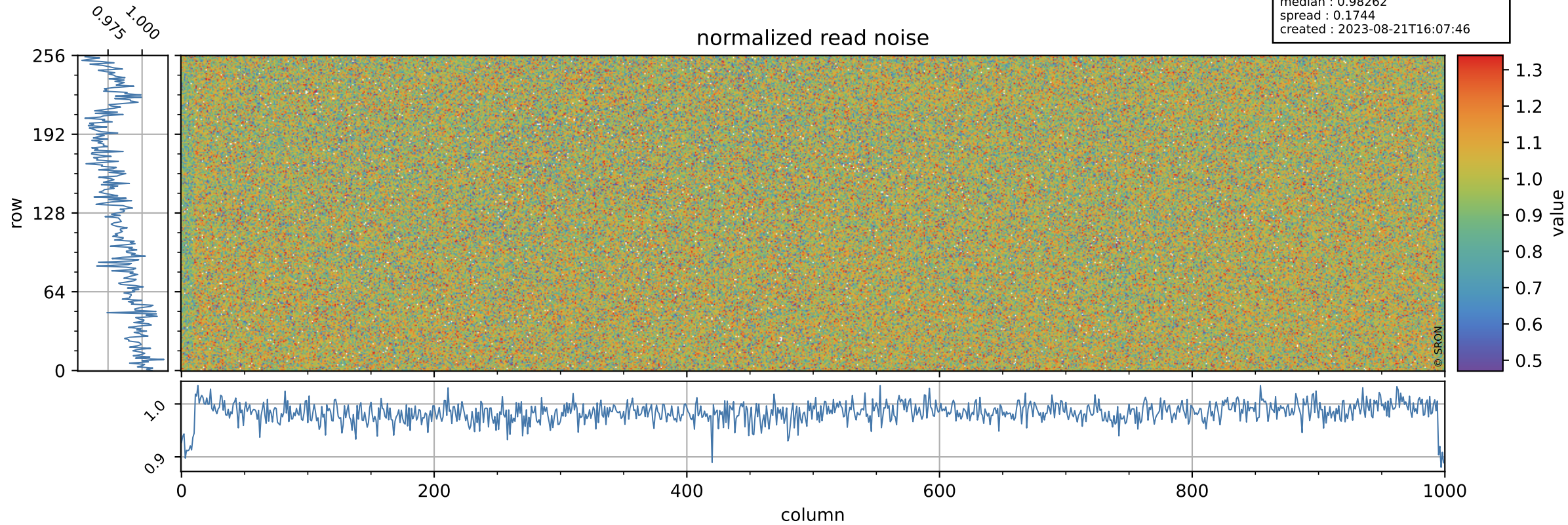
# Tropomi SWIR background noise (swir)

orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
median : 1.1311 e  
spread : 0.065003 e  
created : 2023-08-21T16:07:46



# Tropomi SWIR background noise (swir)

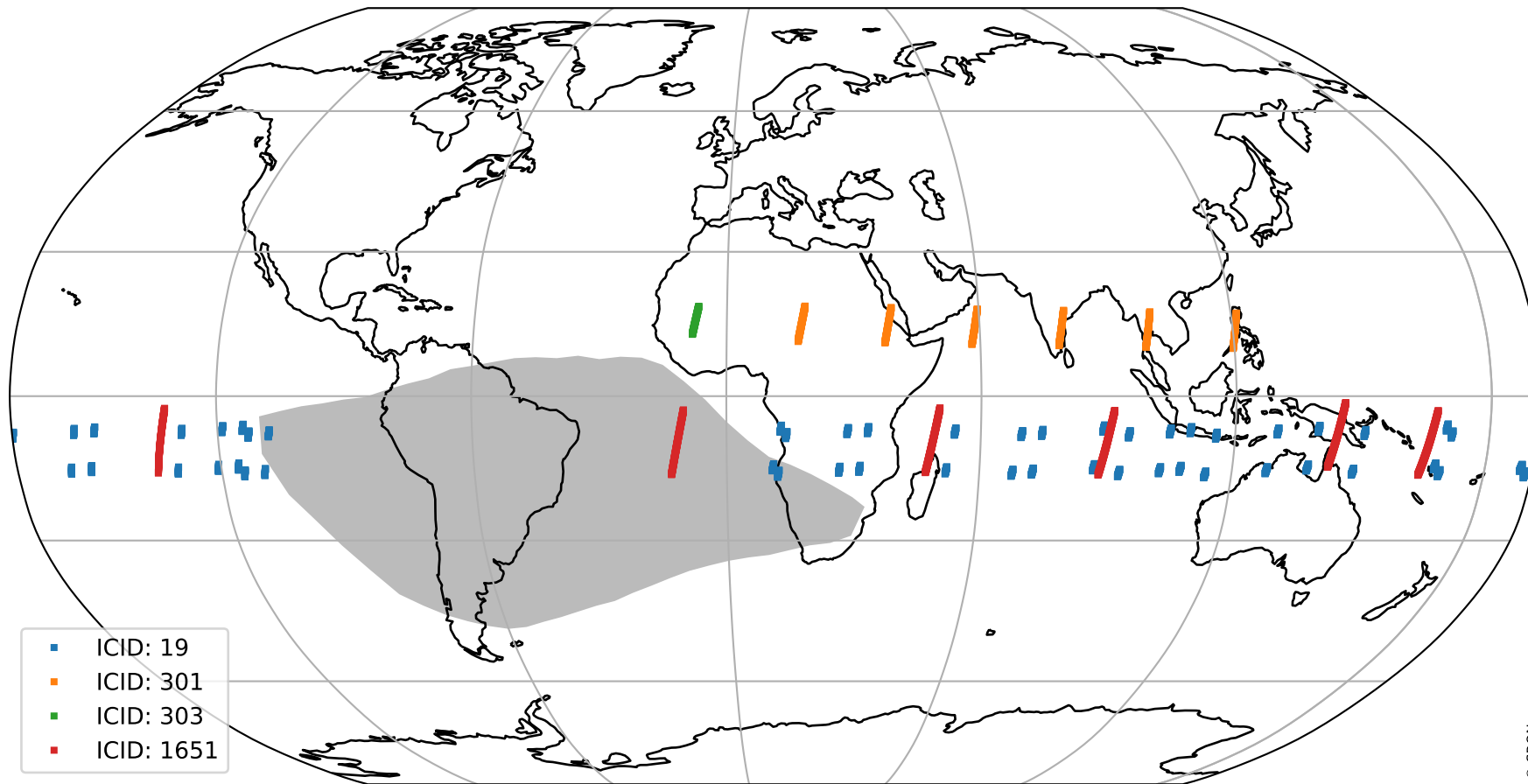
orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
median : 0.98262  
spread : 0.1744  
created : 2023-08-21T16:07:46





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

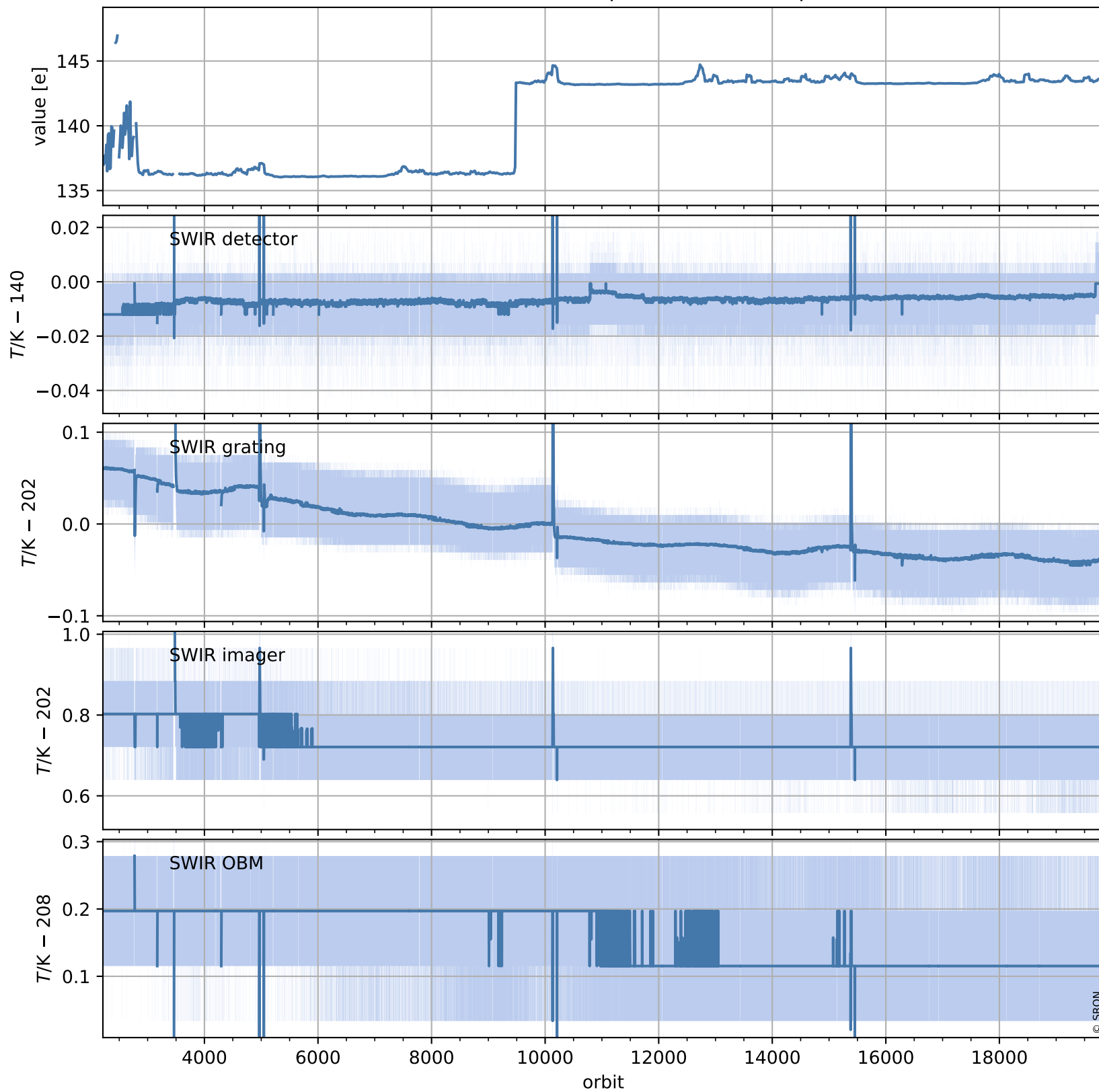
orbits : 13 in [19747, 19837]  
coverage : 2021-08-05 / 2021-08-11  
created : 2023-08-21T16:07:46



# Tropomi SWIR background noise (swir)

orbits : [2212, 19837]  
coverage : 2018-03-18 / 2021-08-11  
created : 2023-08-21T16:07:46

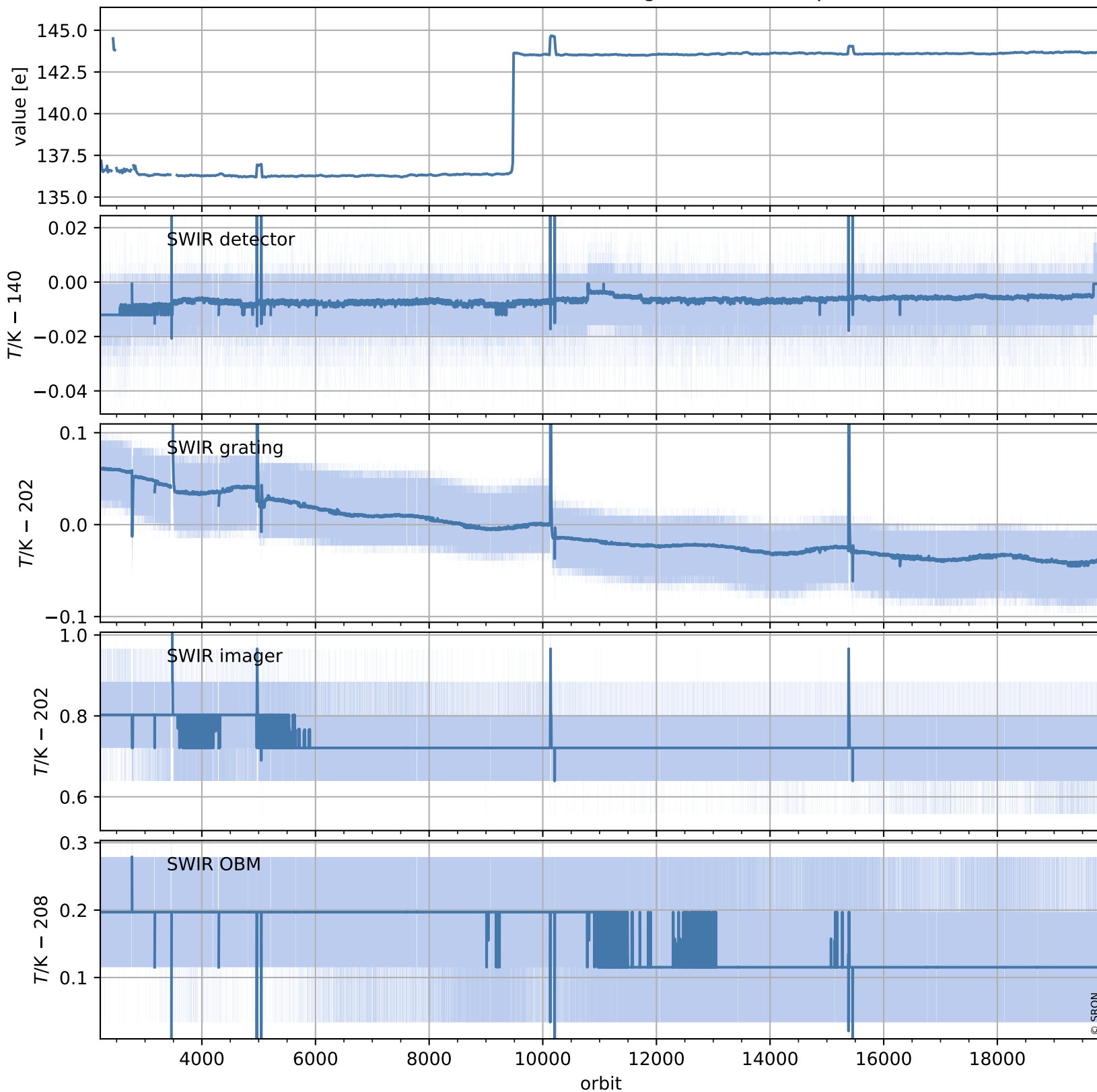
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19837]  
coverage : 2018-03-18 / 2021-08-11  
created : 2023-08-21T16:07:47

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19837]  
coverage : 2018-03-18 / 2021-08-11  
created : 2023-08-21T16:07:48

## trend of normalized read-noise & temperatures

