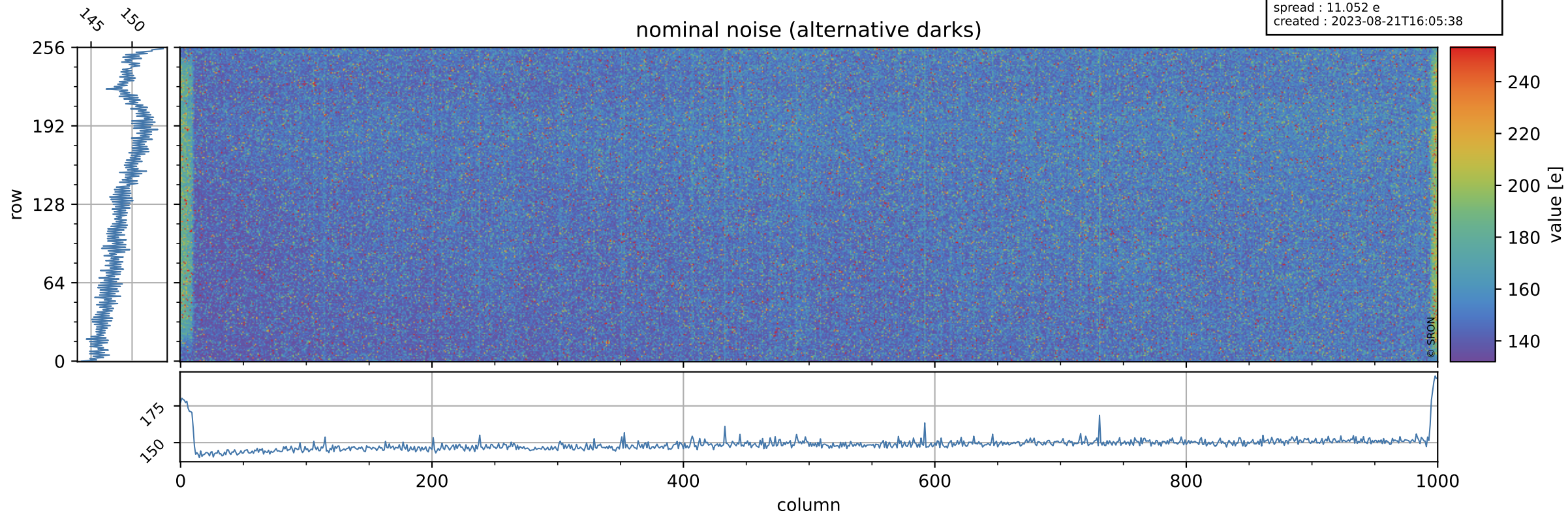


# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 11.052 e  
created : 2023-08-21T16:05:38

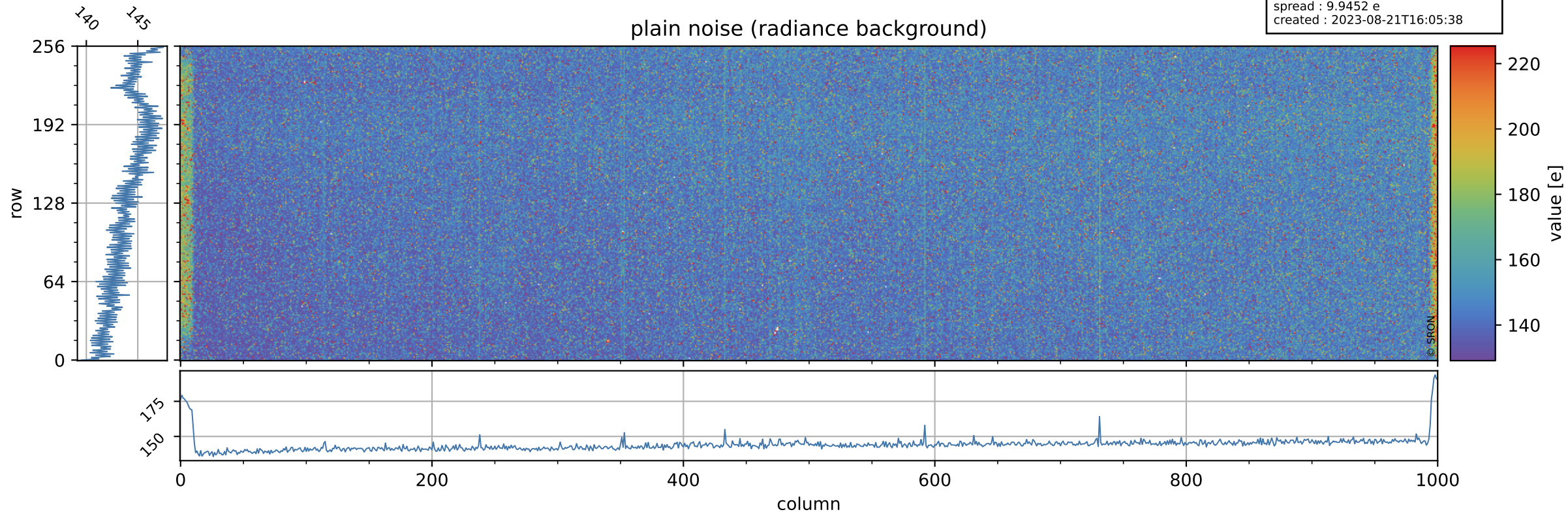
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.9452 e  
created : 2023-08-21T16:05:38

plain noise (radiance background)

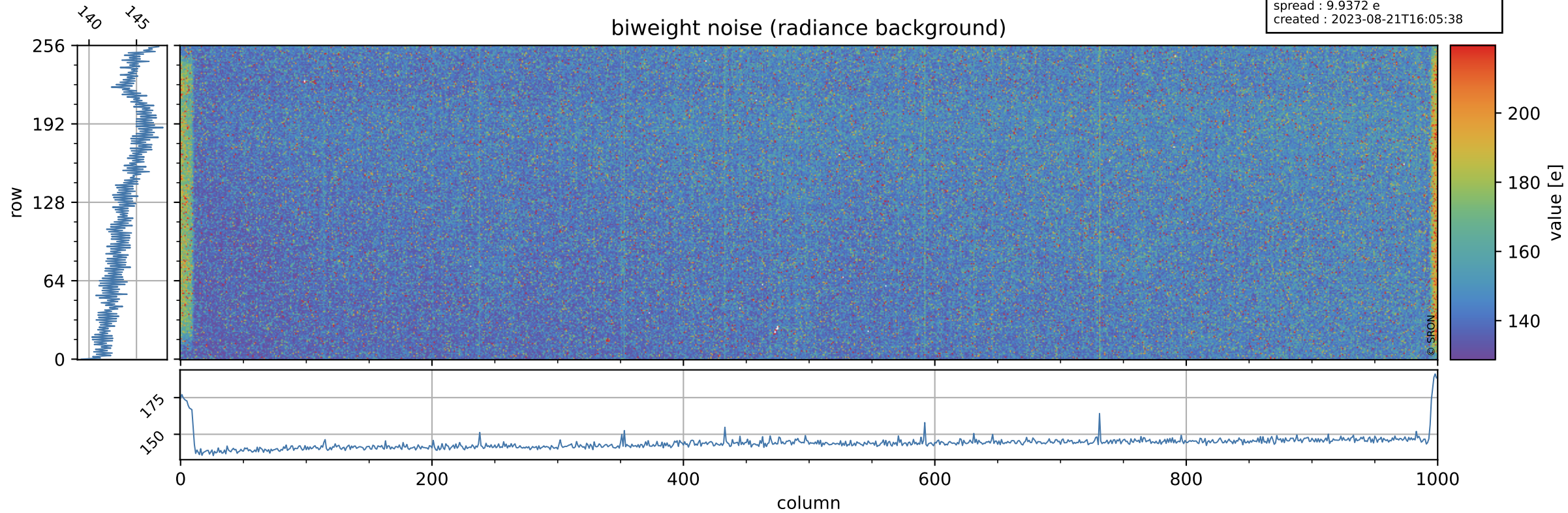




# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.9372 e  
created : 2023-08-21T16:05:38

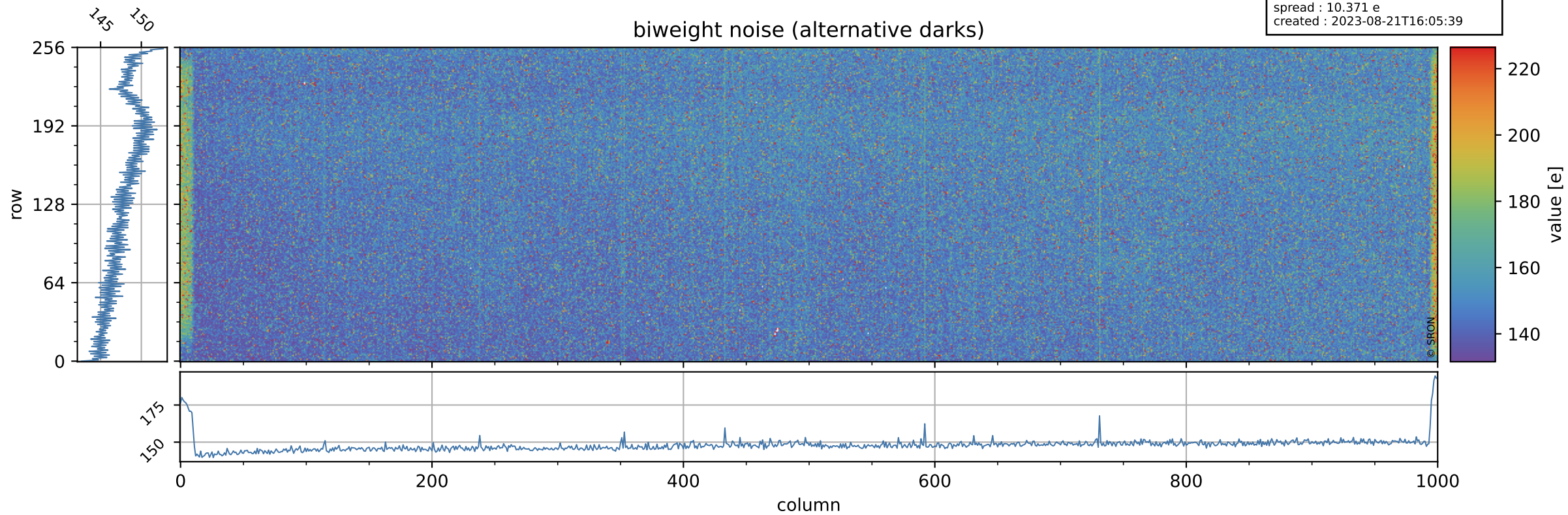
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.371 e  
created : 2023-08-21T16:05:39

## biweight noise (alternative darks)

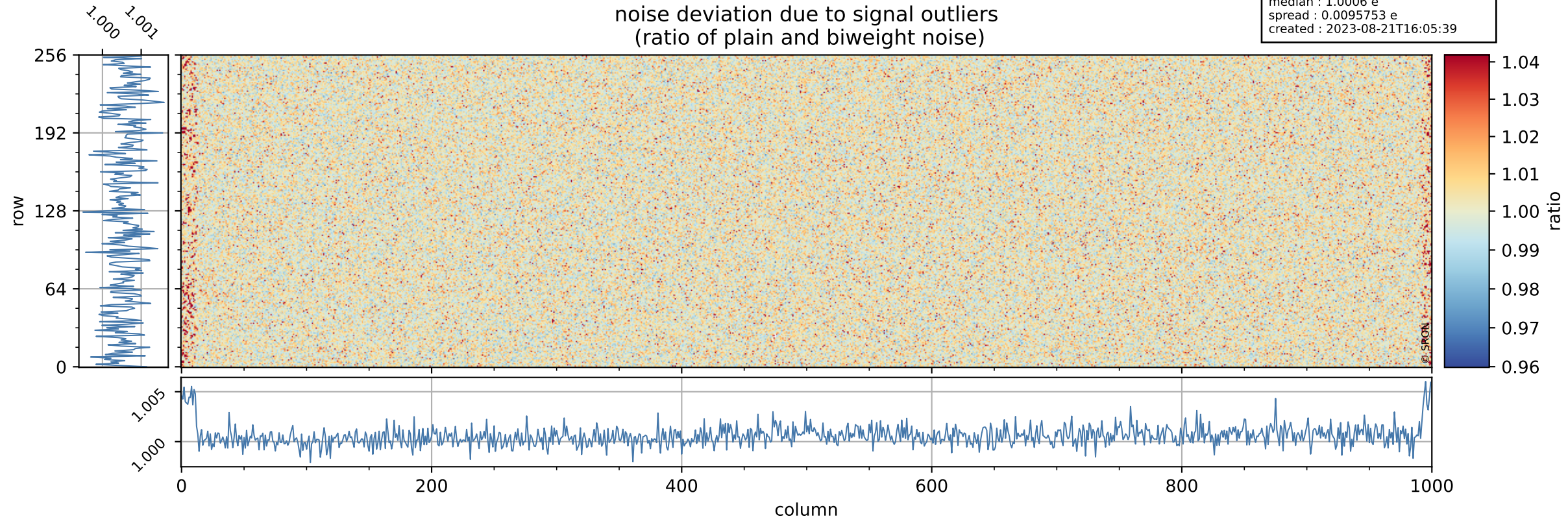




# Tropomi SWIR background noise (swir)

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

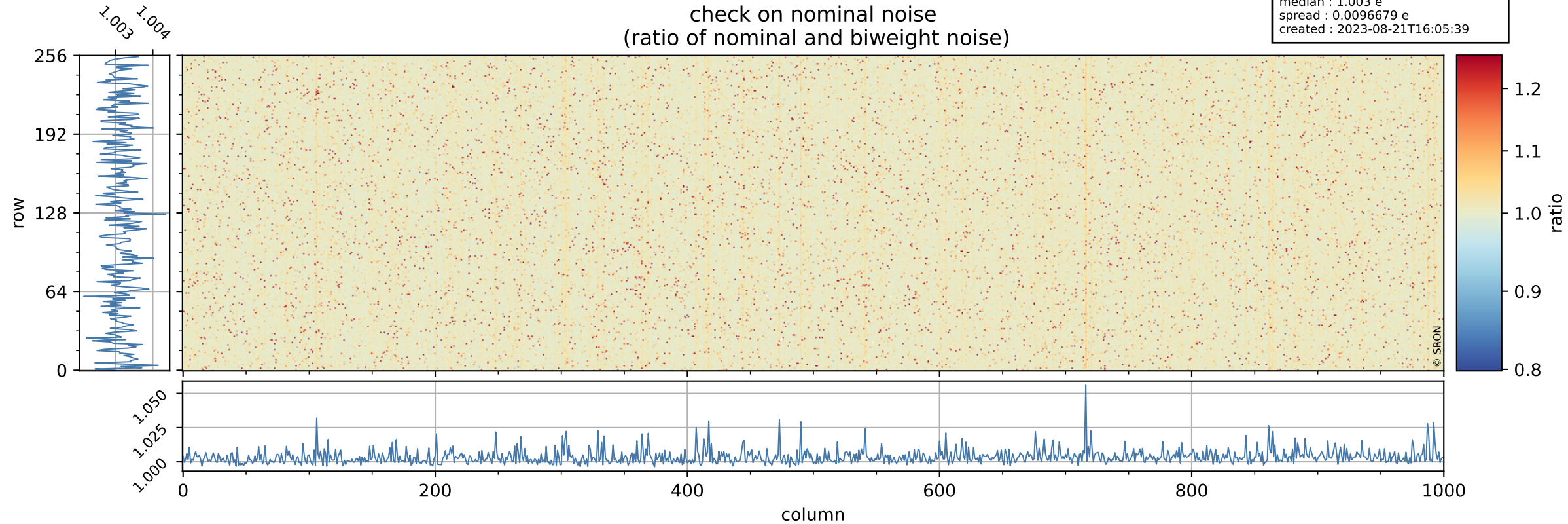
orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
median : 1.0006 e  
spread : 0.0095753 e  
created : 2023-08-21T16:05:39



# Tropomi SWIR background noise (swir)

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

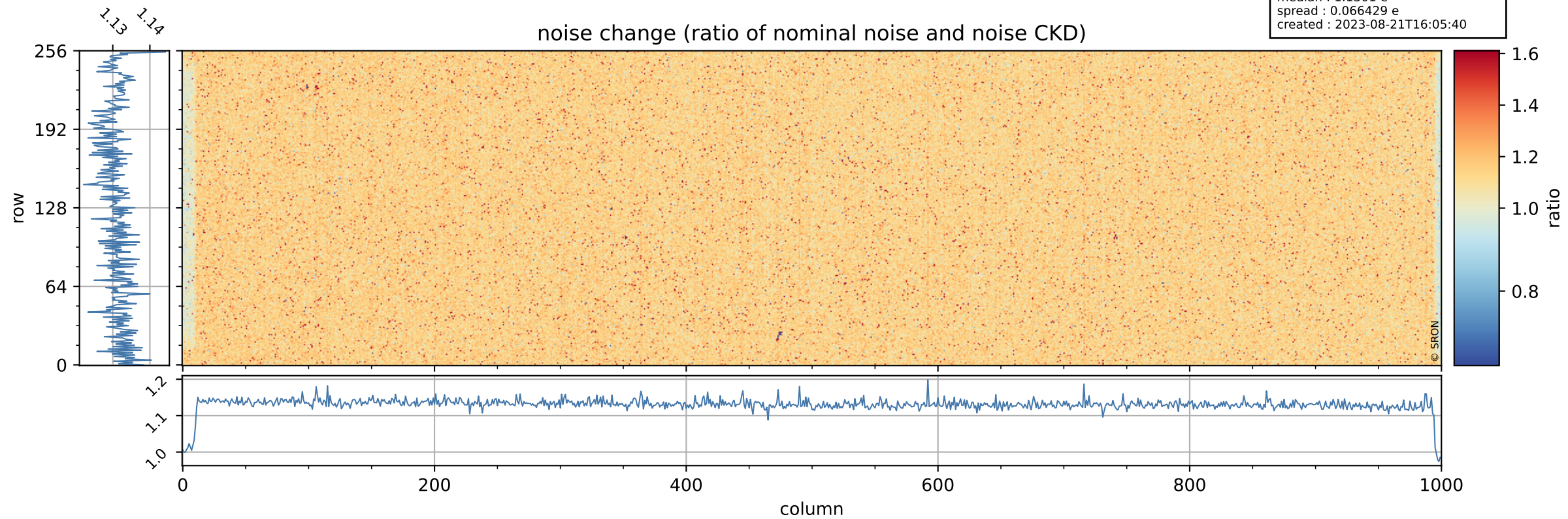
orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
median : 1.003 e  
spread : 0.0096679 e  
created : 2023-08-21T16:05:39





# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
median : 1.1301 e  
spread : 0.066429 e  
created : 2023-08-21T16:05:40

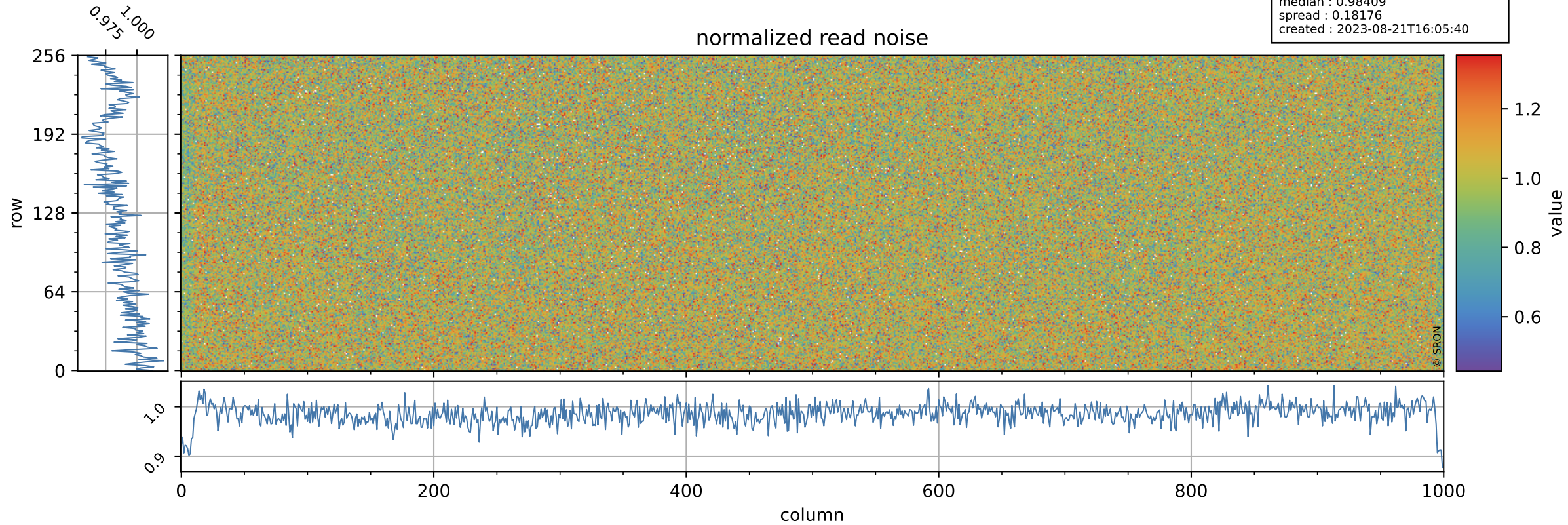




# Tropomi SWIR background noise (swir)

orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
median : 0.98409  
spread : 0.18176  
created : 2023-08-21T16:05:40

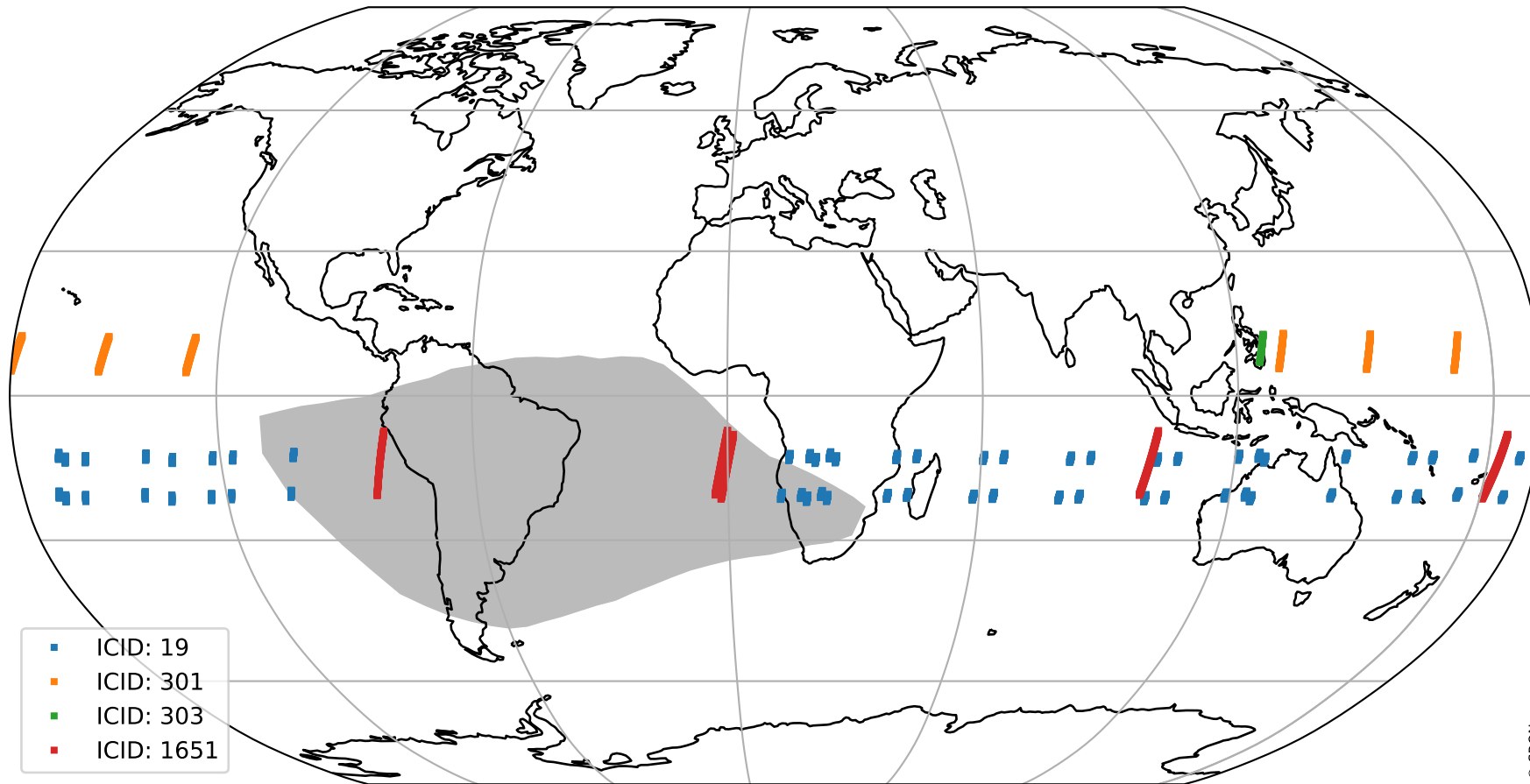
normalized read noise





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

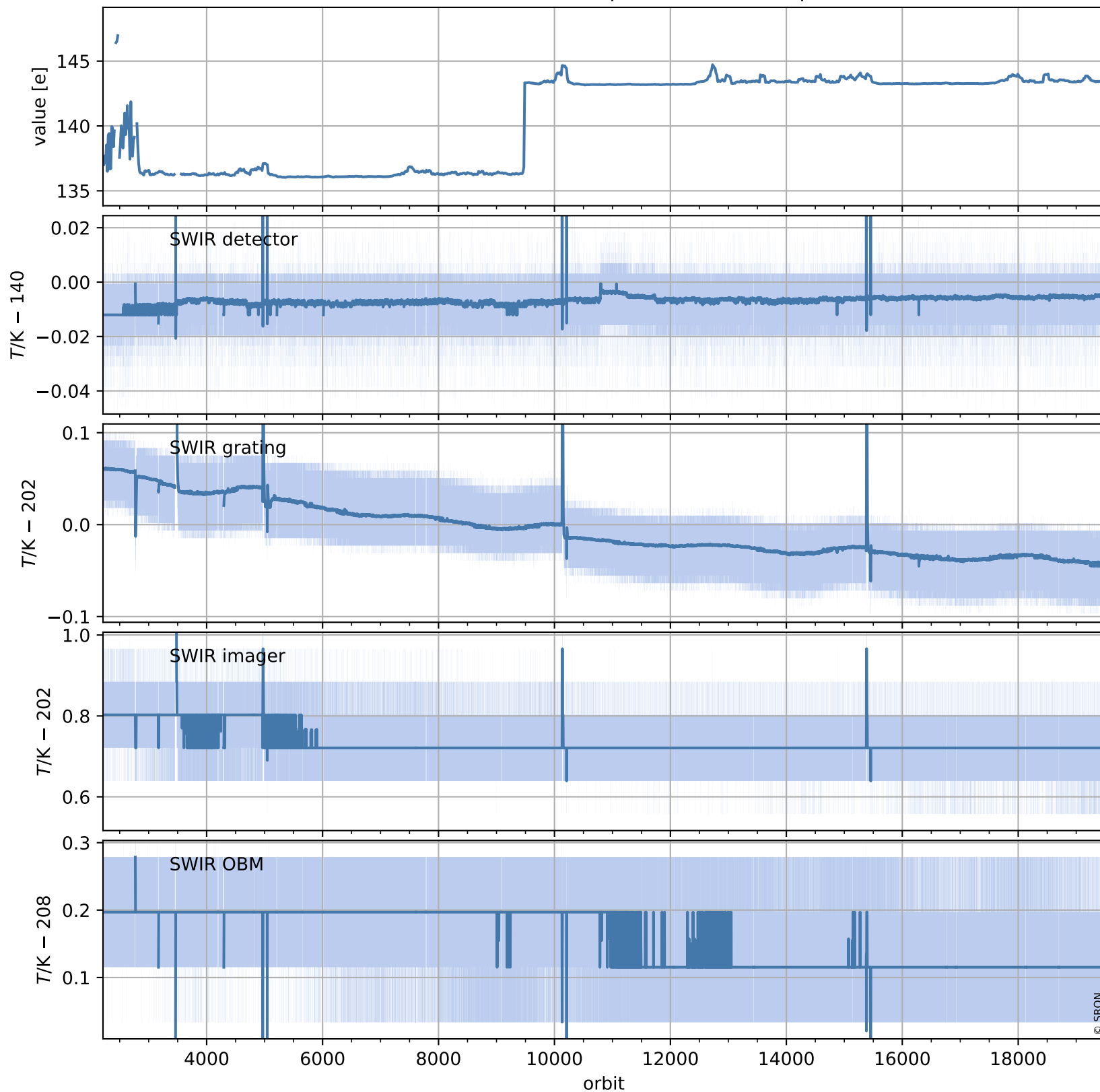
orbits : 12 in [19402, 19492]  
coverage : 2021-07-12 / 2021-07-18  
created : 2023-08-21T16:05:40



# Tropomi SWIR background noise (swir)

orbits : [2212, 19492]  
coverage : 2018-03-18 / 2021-07-18  
created : 2023-08-21T16:05:41

## trend of detector median of plain noise & temperatures

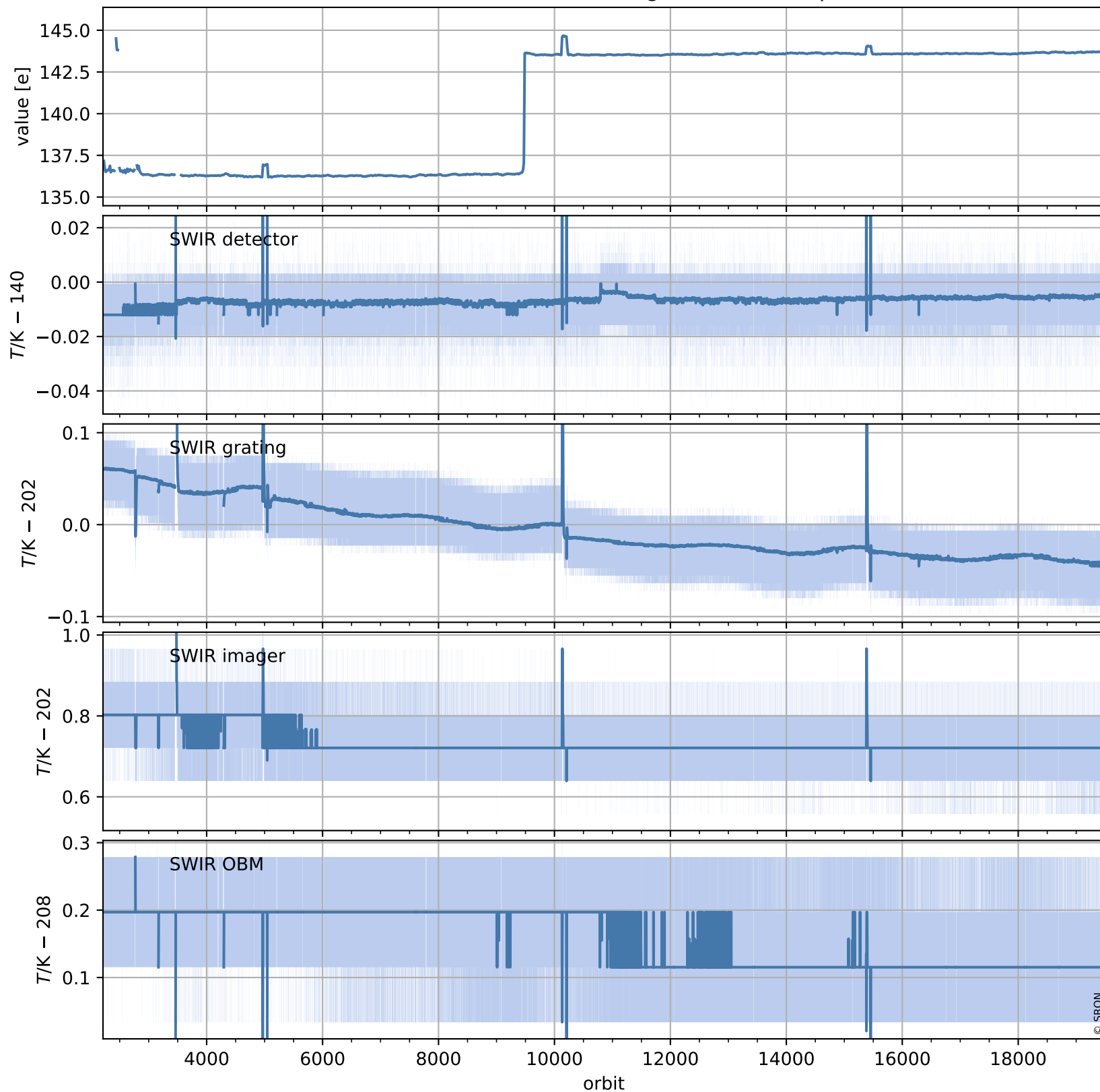




# Tropomi SWIR background noise (swir)

orbits : [2212, 19492]  
coverage : 2018-03-18 / 2021-07-18  
created : 2023-08-21T16:05:41

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19492]  
coverage : 2018-03-18 / 2021-07-18  
created : 2023-08-21T16:05:42

## trend of normalized read-noise & temperatures

