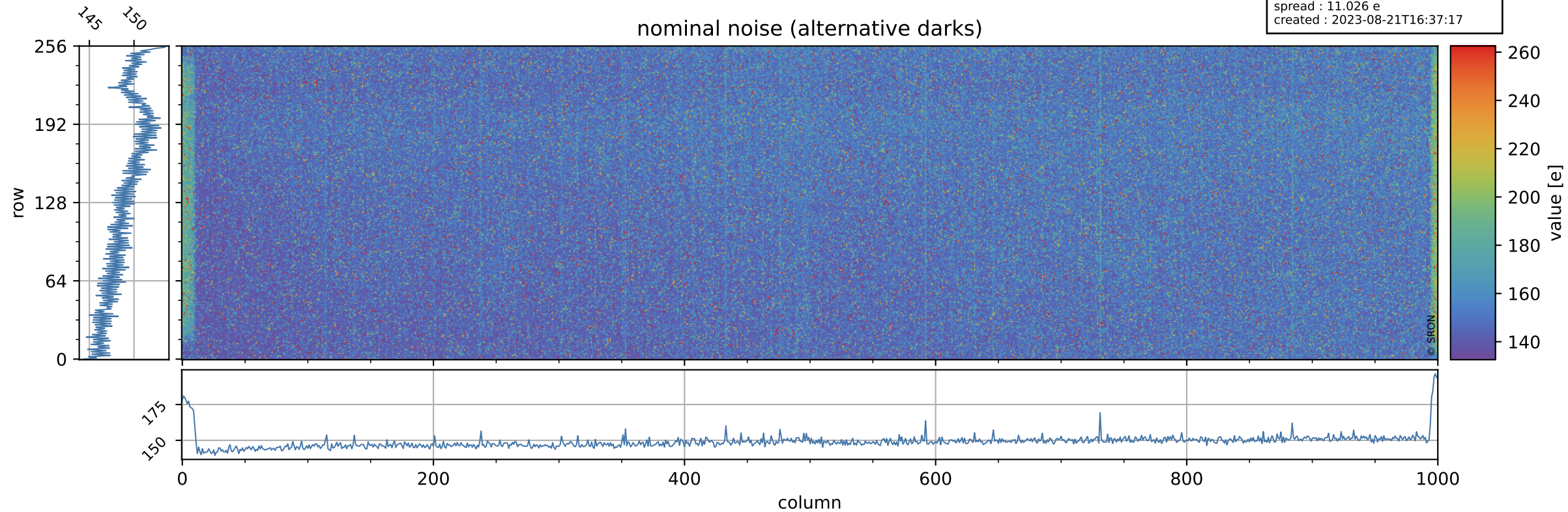


# Tropomi SWIR background noise (swir)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.88 e  
spread : 11.026 e  
created : 2023-08-21T16:37:17

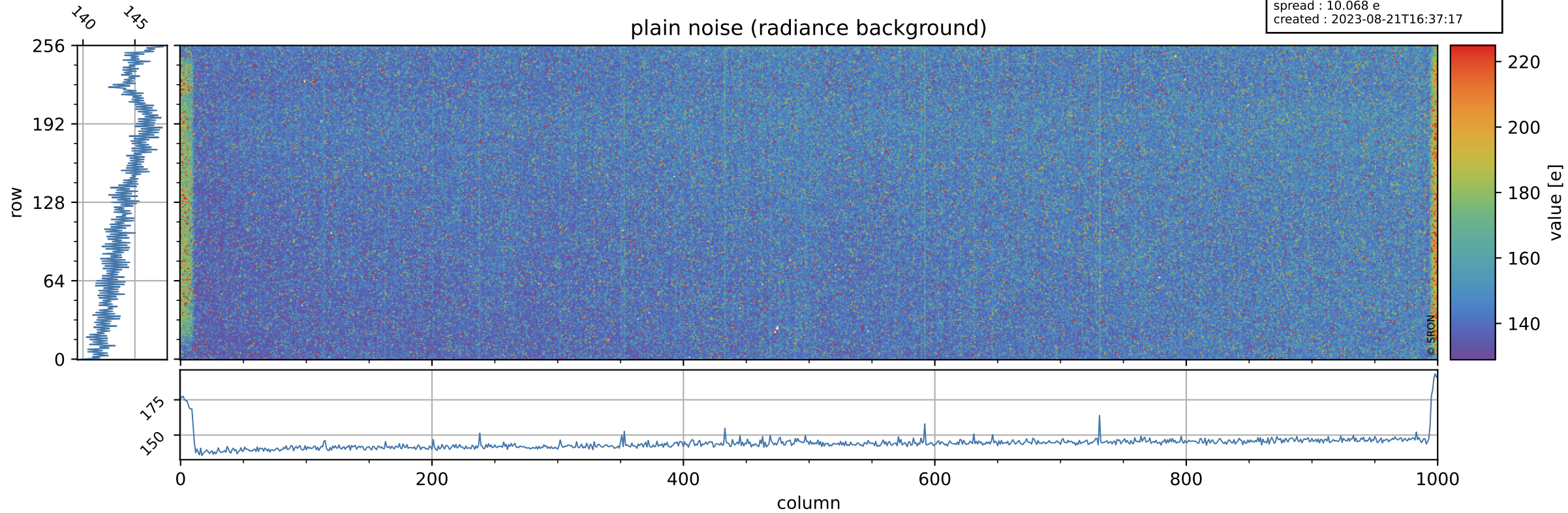
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.96 e  
spread : 10.068 e  
created : 2023-08-21T16:37:17

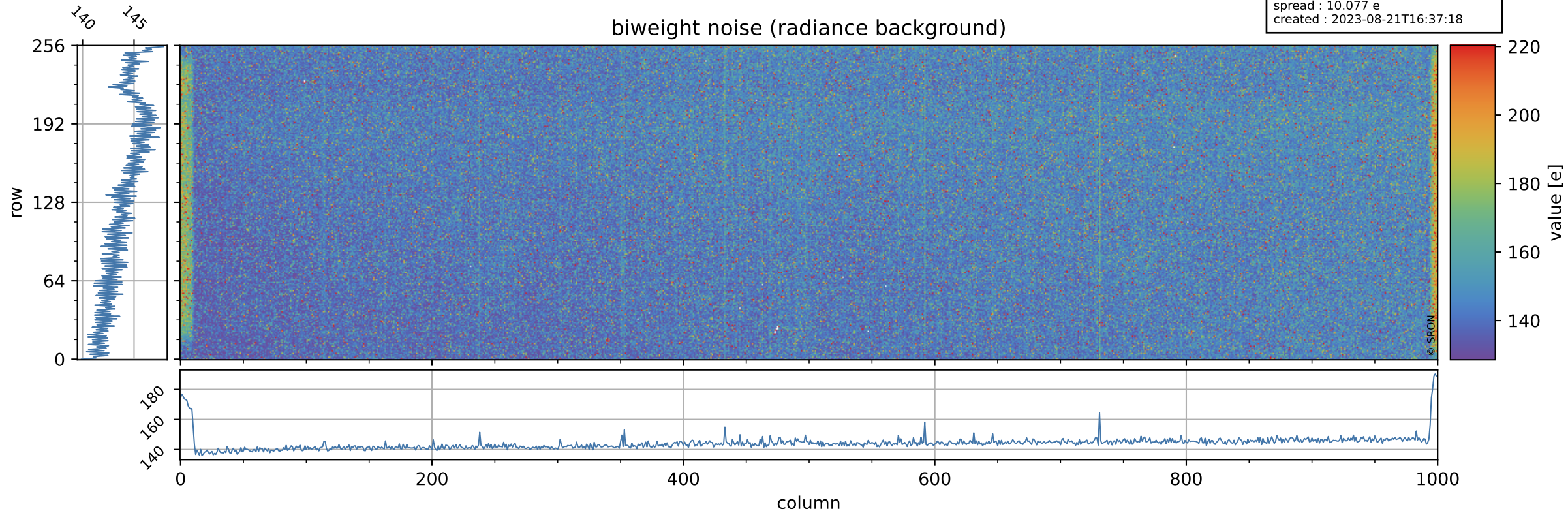
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.9 e  
spread : 10.077 e  
created : 2023-08-21T16:37:18

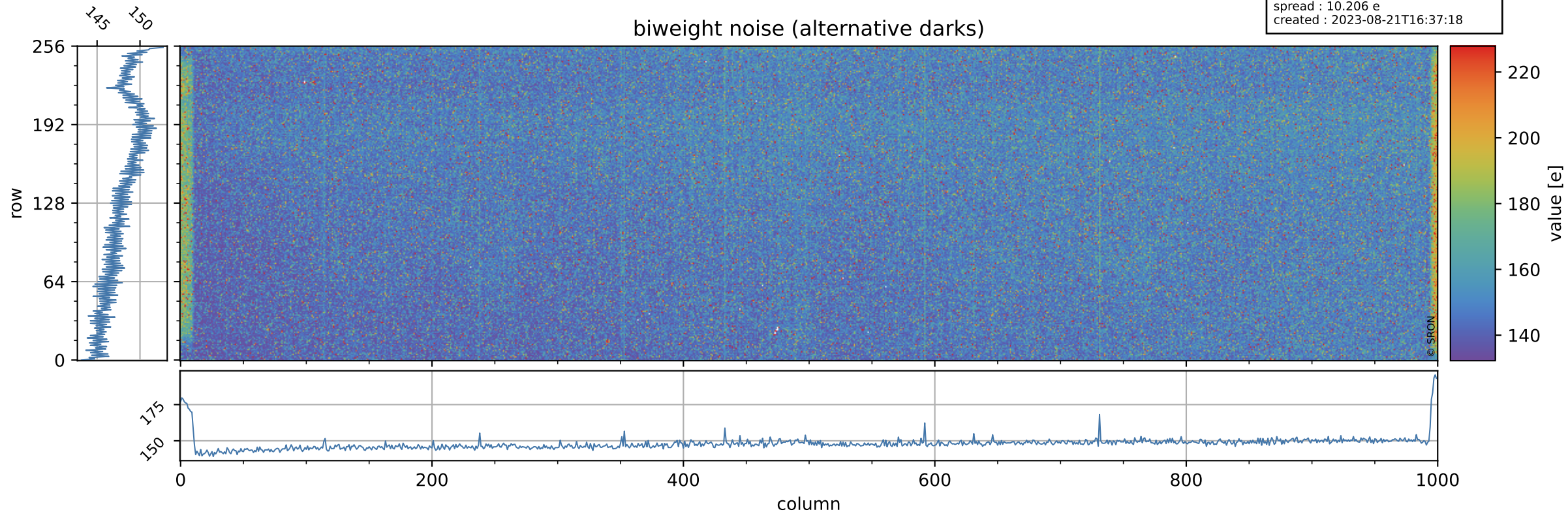
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.206 e  
created : 2023-08-21T16:37:18

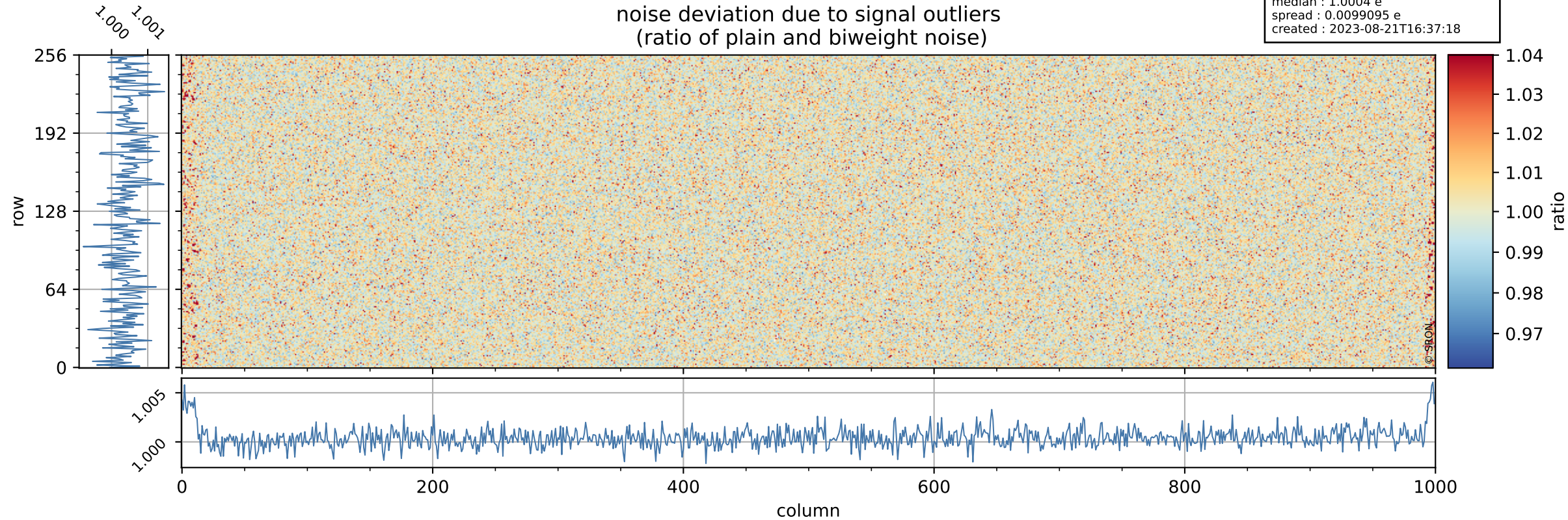
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

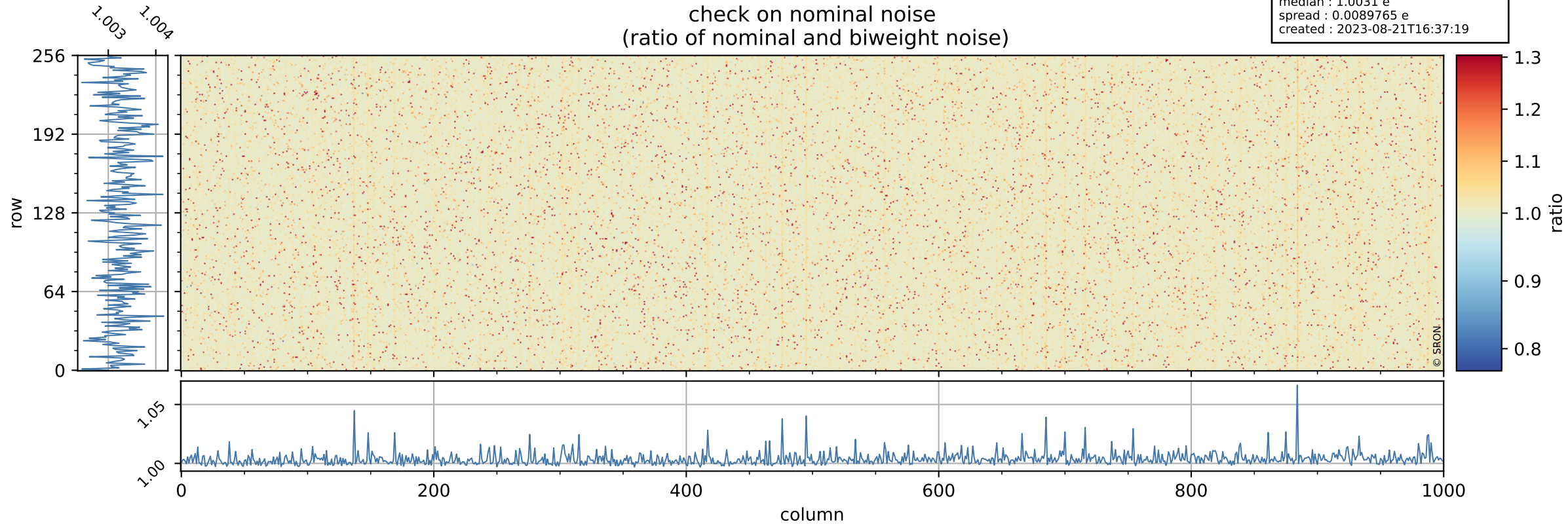
orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
median : 1.0004 e  
spread : 0.0099095 e  
created : 2023-08-21T16:37:18



# Tropomi SWIR background noise (swir)

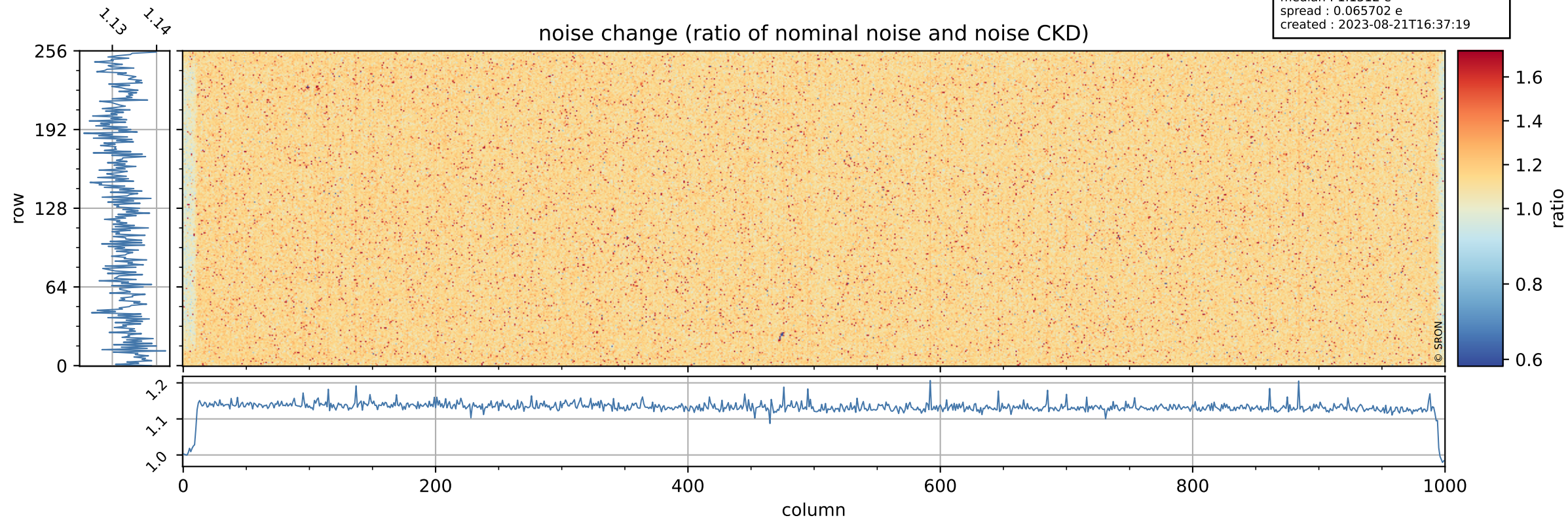
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
median : 1.0031 e  
spread : 0.0089765 e  
created : 2023-08-21T16:37:19



# Tropomi SWIR background noise (swir)

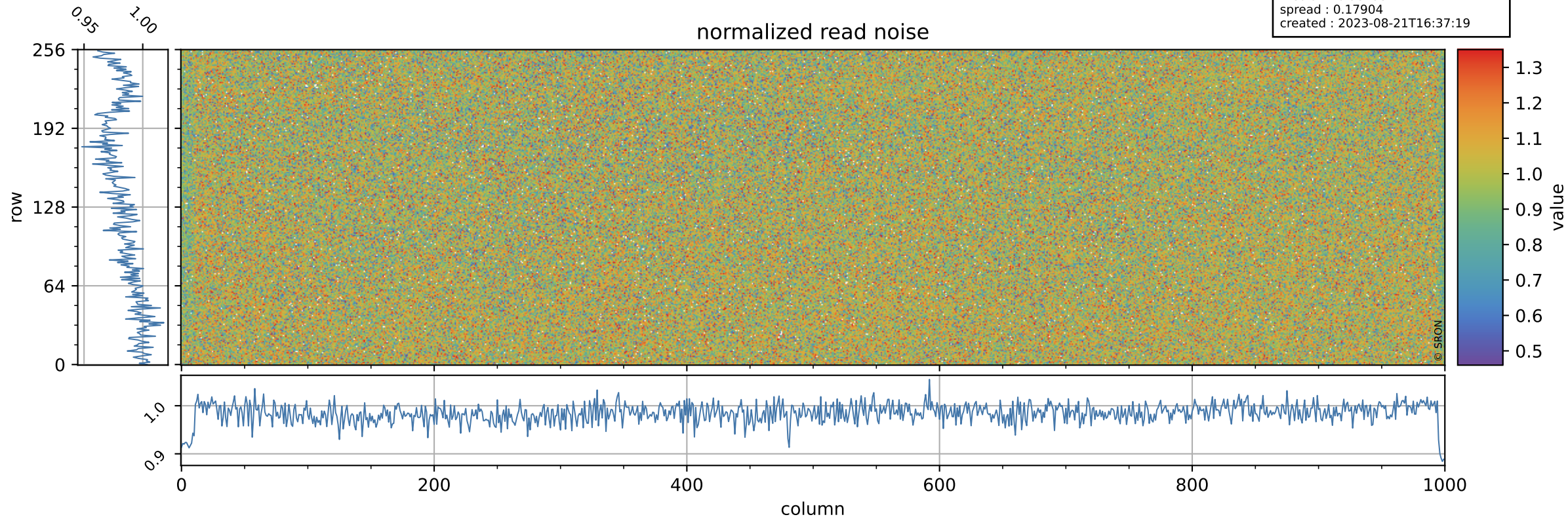
orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
median : 1.1312 e  
spread : 0.065702 e  
created : 2023-08-21T16:37:19



# Tropomi SWIR background noise (swir)

orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
median : 0.98293  
spread : 0.17904  
created : 2023-08-21T16:37:19

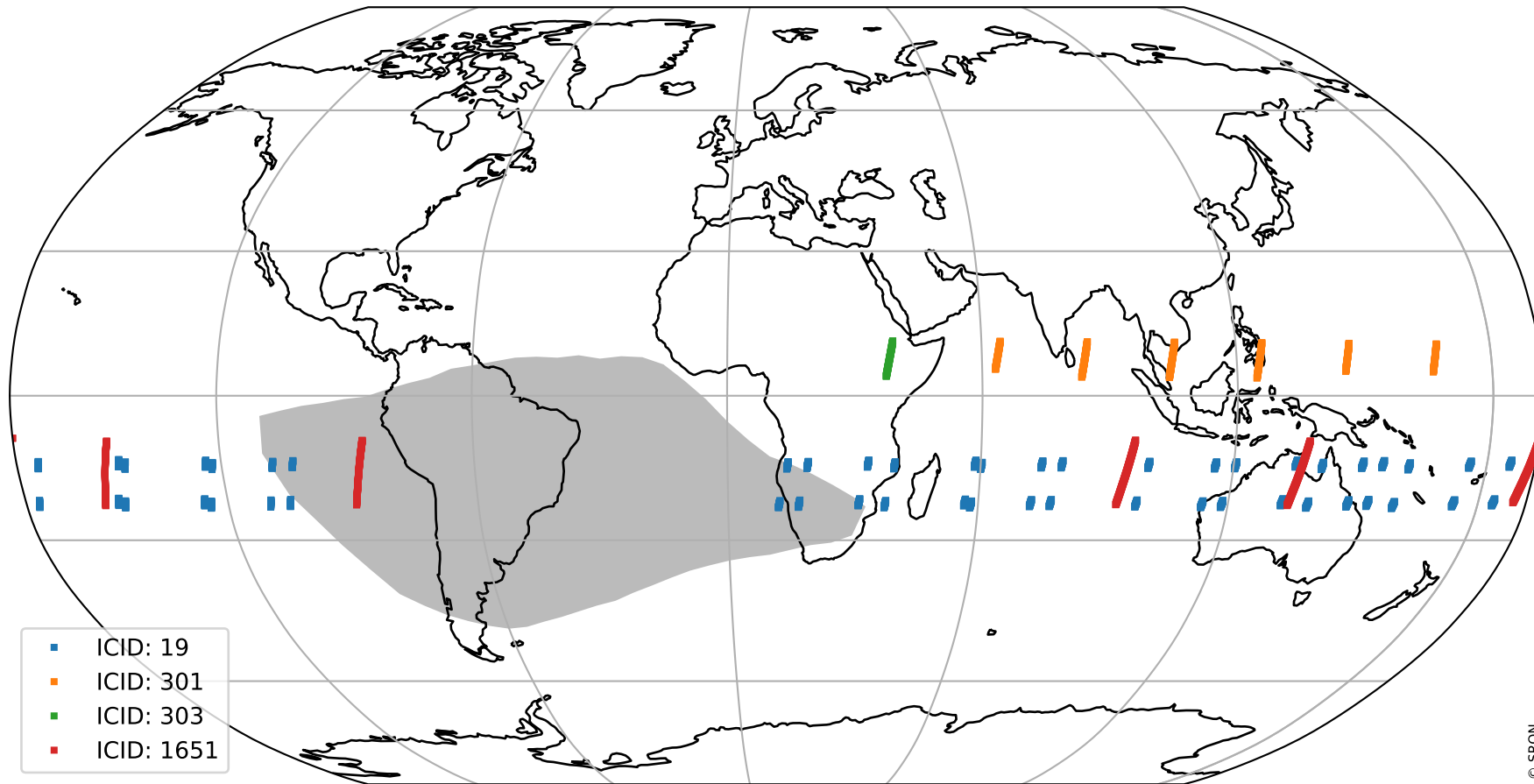
normalized read noise





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

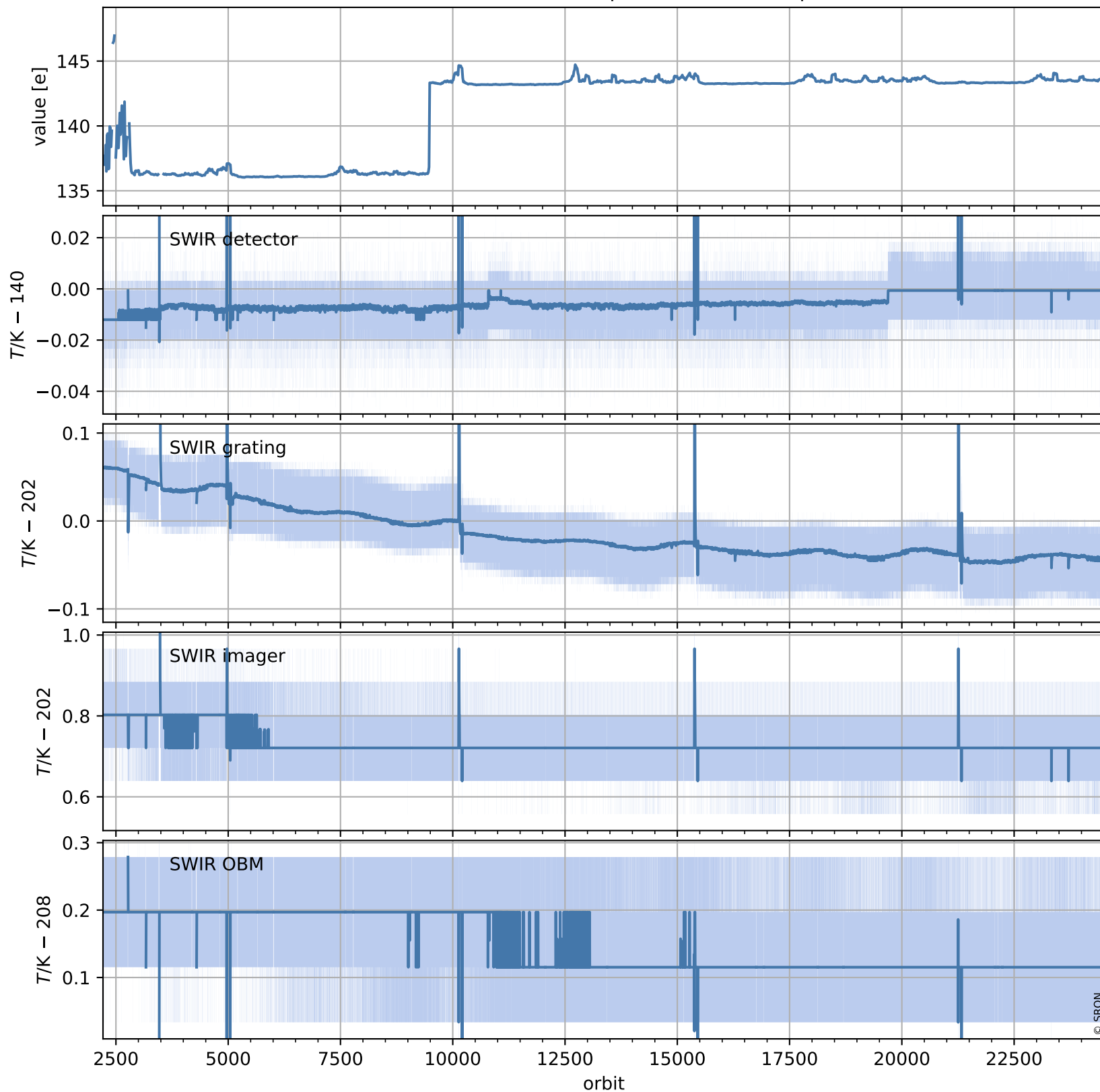
orbits : 13 in [24427, 24517]  
coverage : 2022-07-01 / 2022-07-07  
created : 2023-08-21T16:37:19



# Tropomi SWIR background noise (swir)

orbits : [2212, 24517]  
coverage : 2018-03-18 / 2022-07-07  
created : 2023-08-21T16:37:20

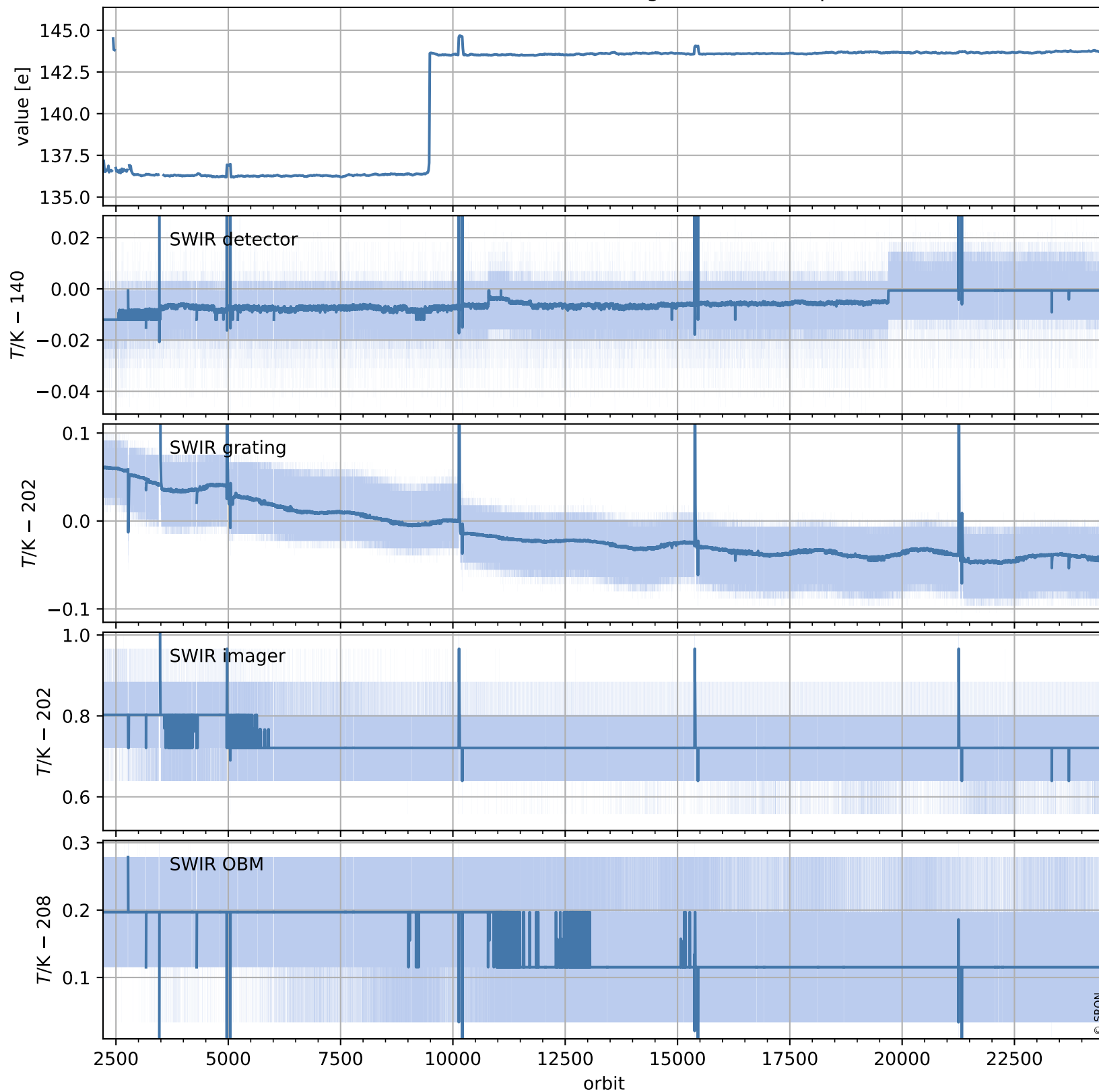
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24517]  
coverage : 2018-03-18 / 2022-07-07  
created : 2023-08-21T16:37:21

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24517]  
coverage : 2018-03-18 / 2022-07-07  
created : 2023-08-21T16:37:22

## trend of normalized read-noise & temperatures

