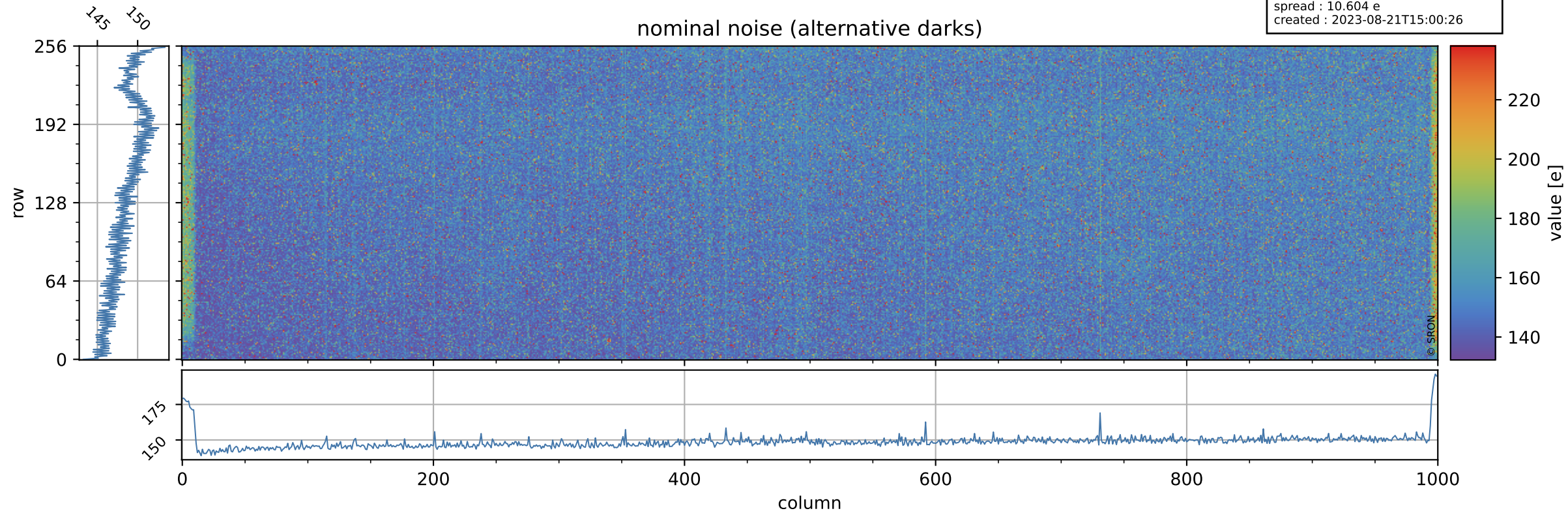


# Tropomi SWIR background noise (swir)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.604 e  
created : 2023-08-21T15:00:26

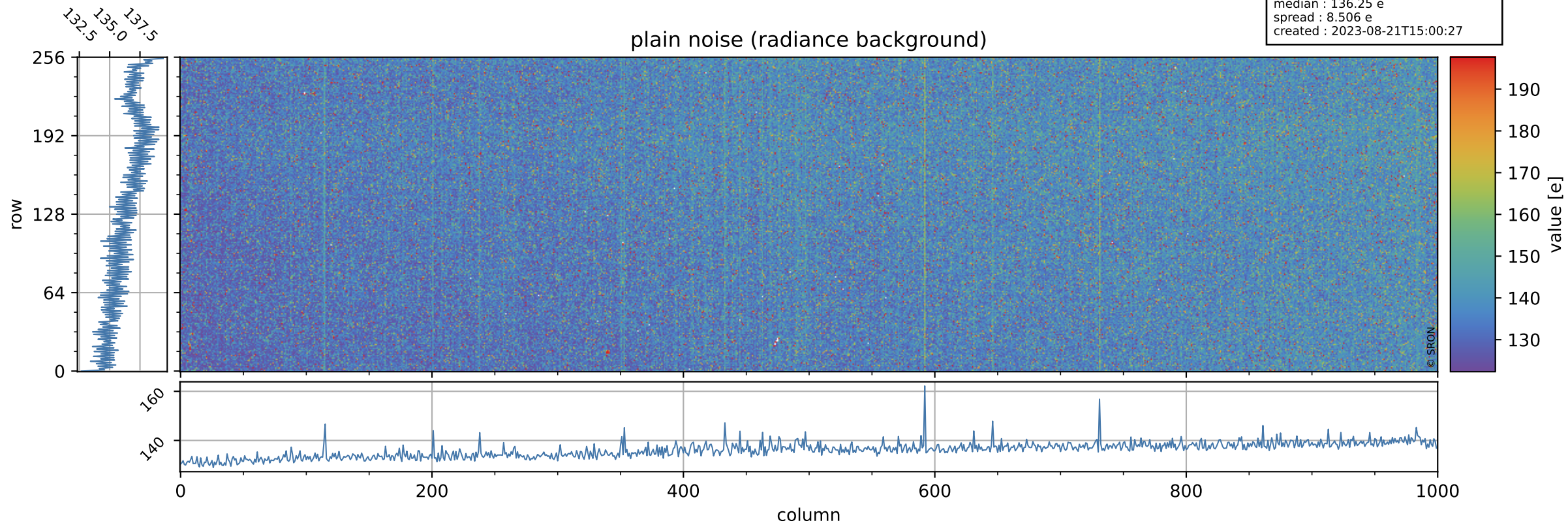
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.506 e  
created : 2023-08-21T15:00:27

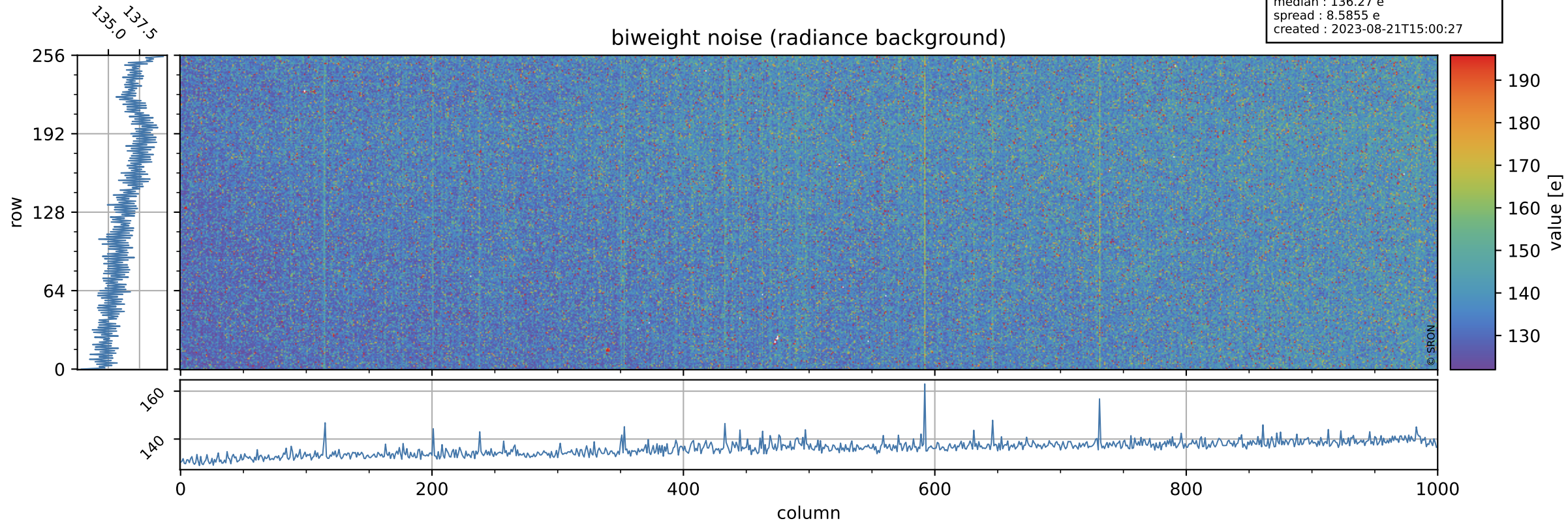
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.27 e  
spread : 8.5855 e  
created : 2023-08-21T15:00:27

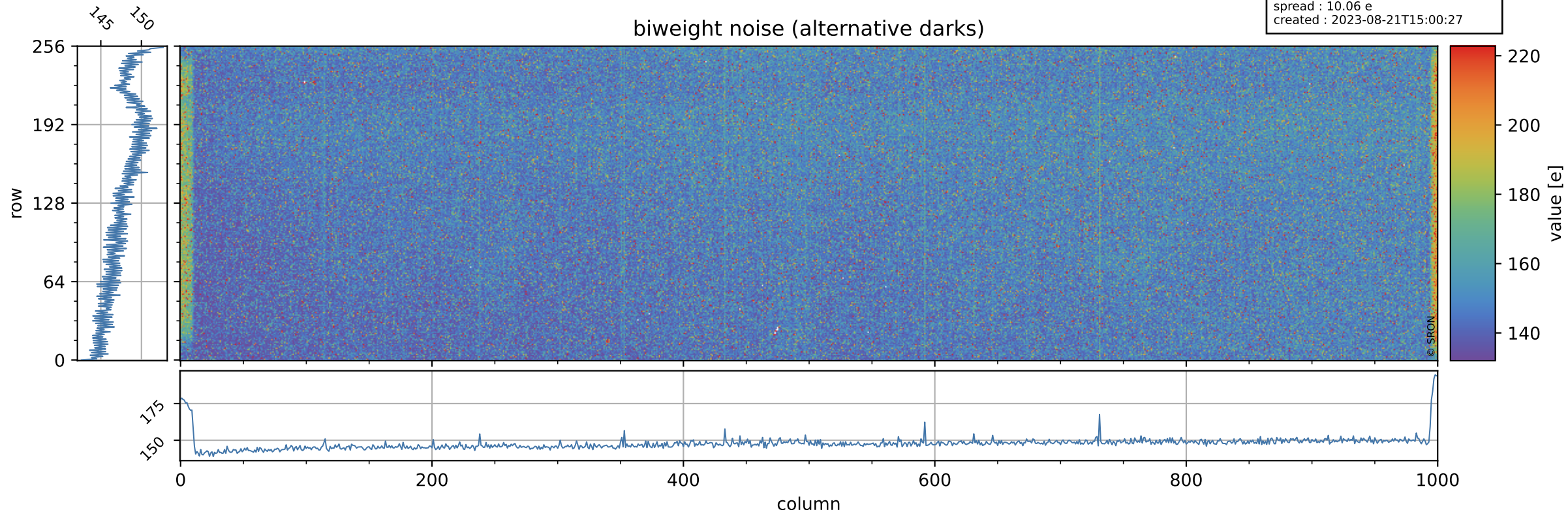
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 10.06 e  
created : 2023-08-21T15:00:27

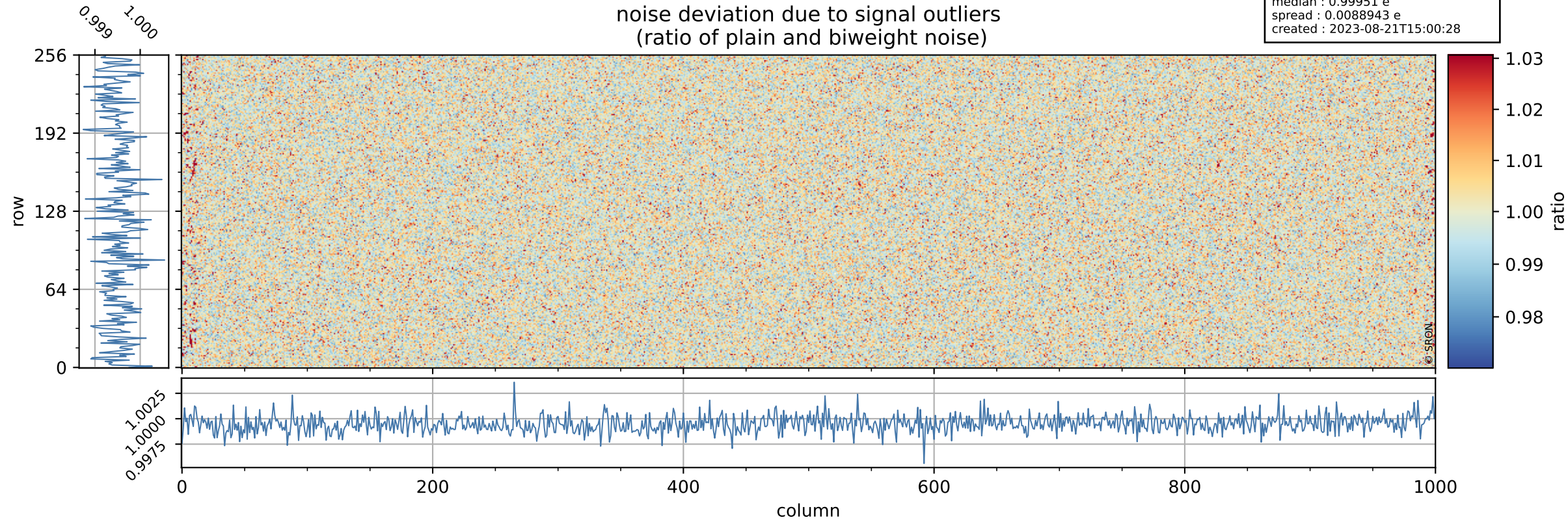
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

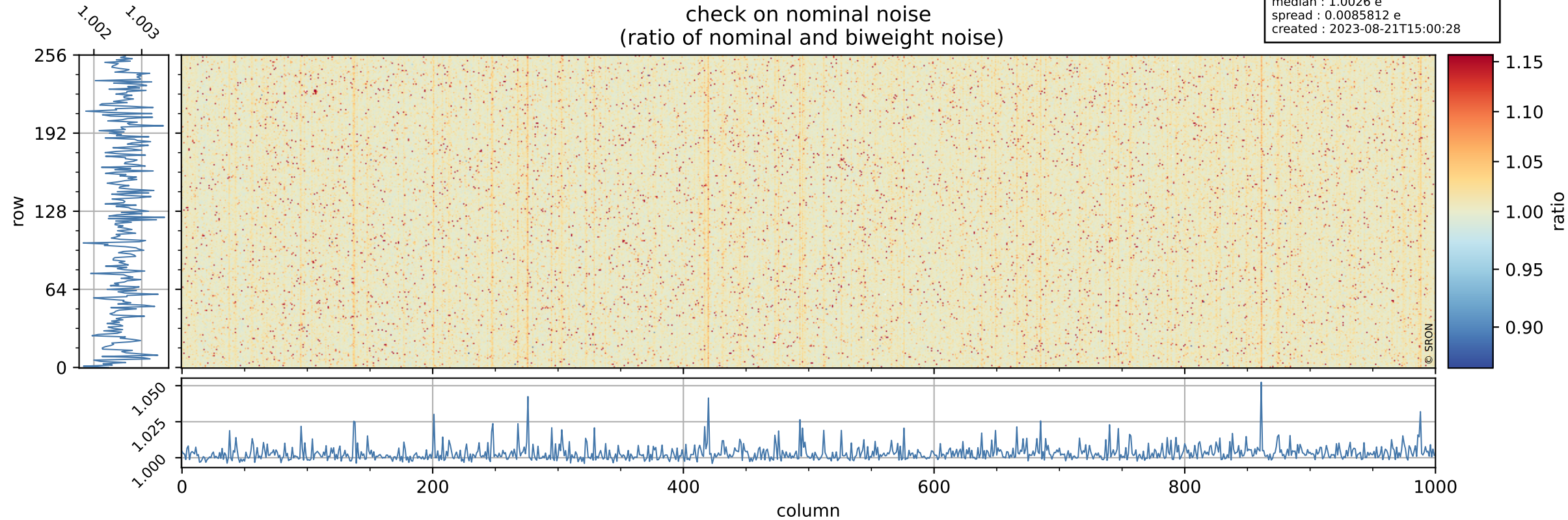
orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
median : 0.99951 e  
spread : 0.0088943 e  
created : 2023-08-21T15:00:28



# Tropomi SWIR background noise (swir)

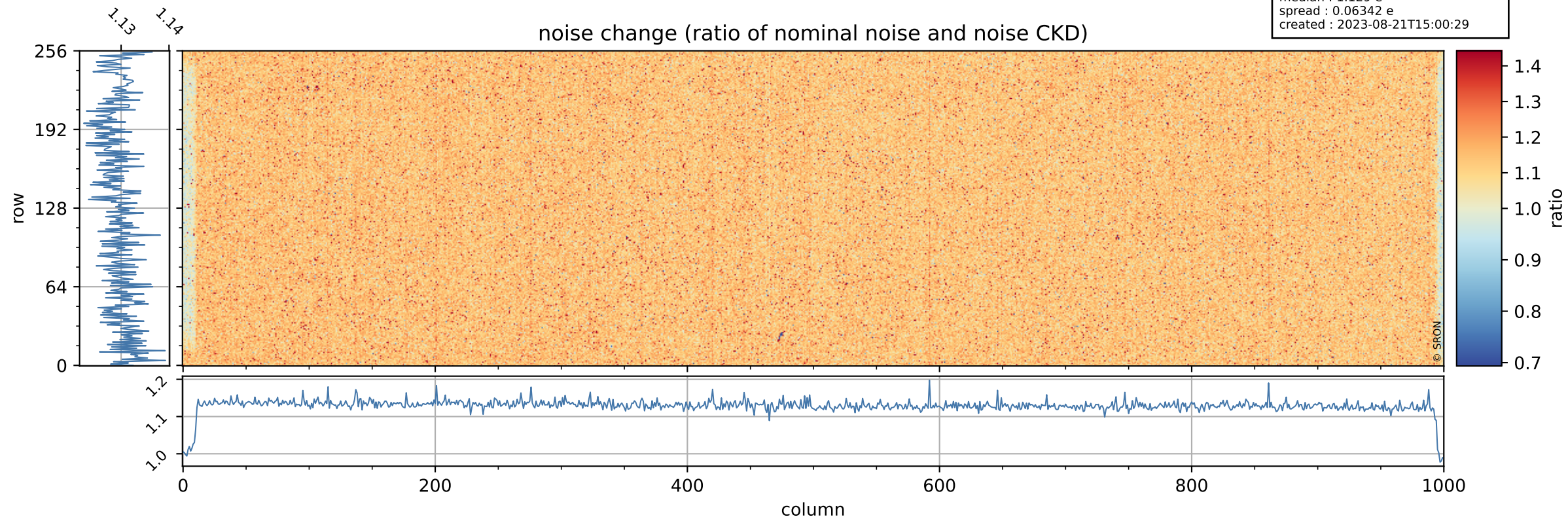
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
median : 1.0026 e  
spread : 0.0085812 e  
created : 2023-08-21T15:00:28



# Tropomi SWIR background noise (swir)

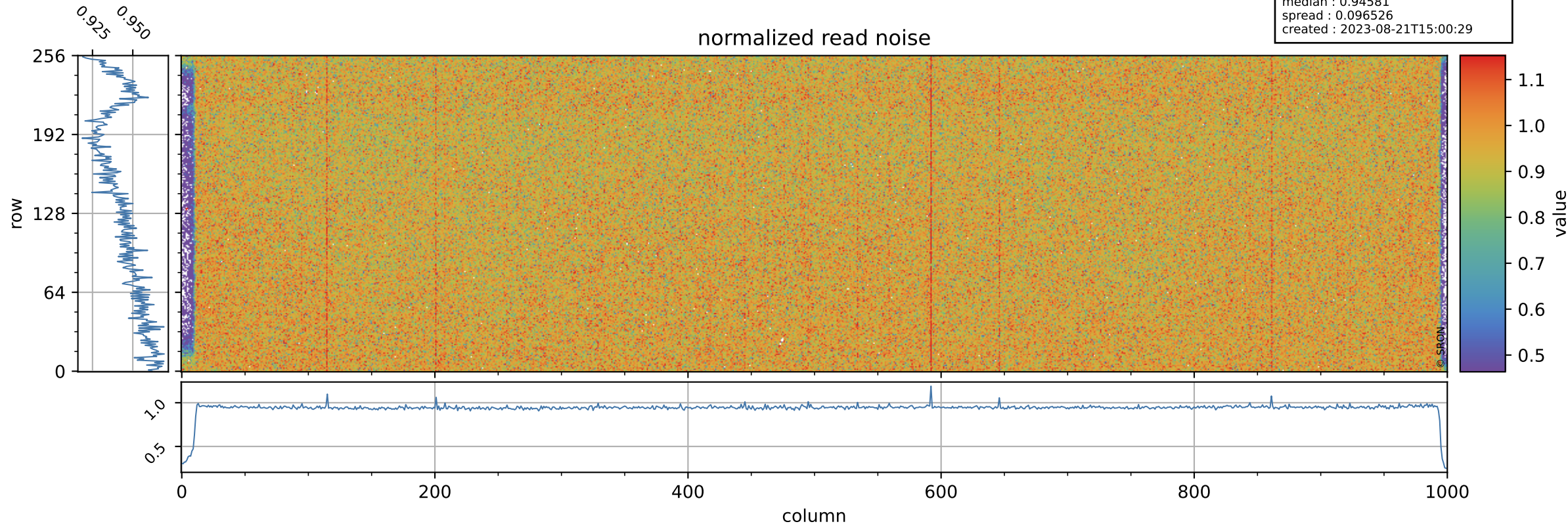
orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
median : 1.129 e  
spread : 0.06342 e  
created : 2023-08-21T15:00:29



# Tropomi SWIR background noise (swir)

orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
median : 0.94581  
spread : 0.096526  
created : 2023-08-21T15:00:29

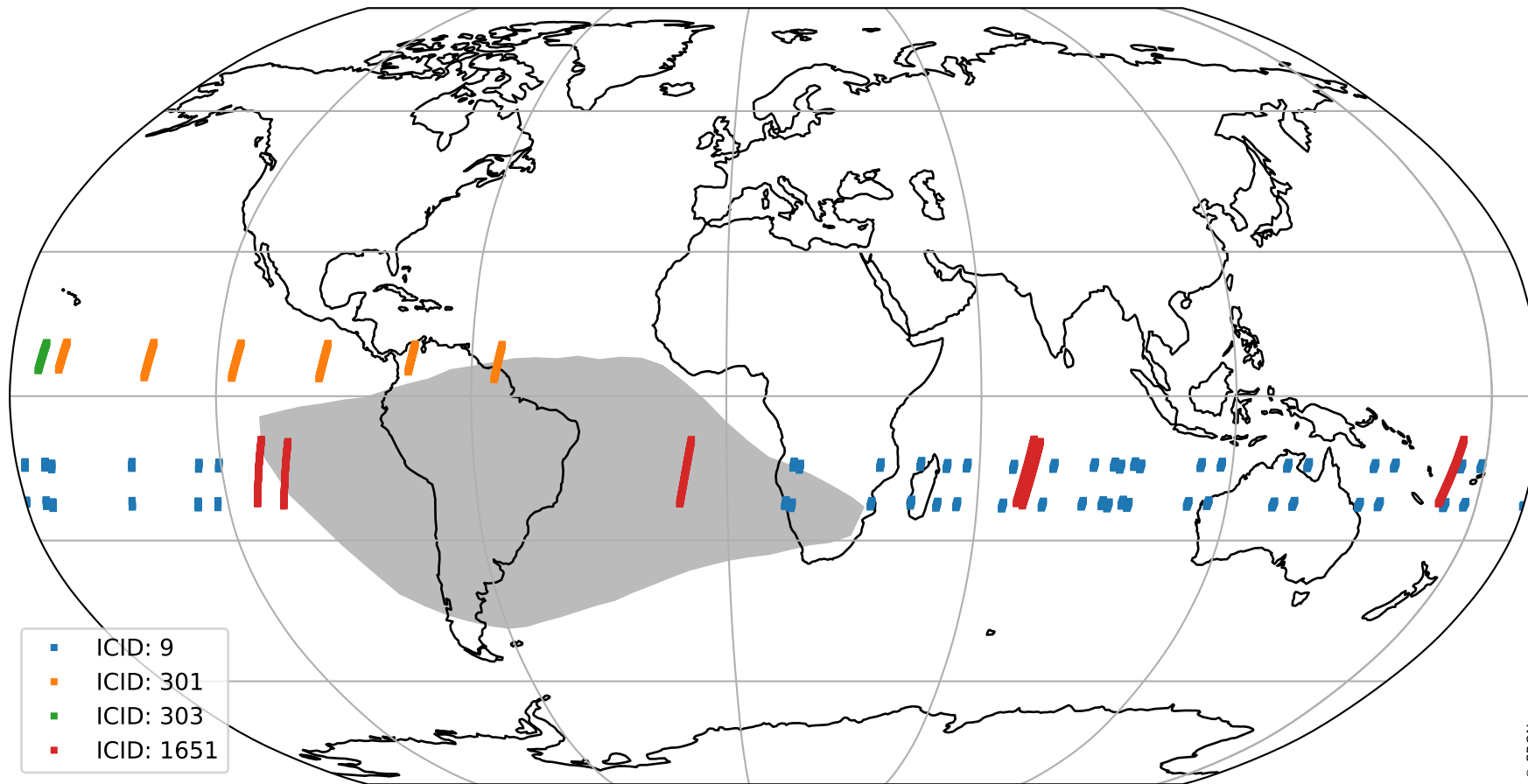
normalized read noise





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

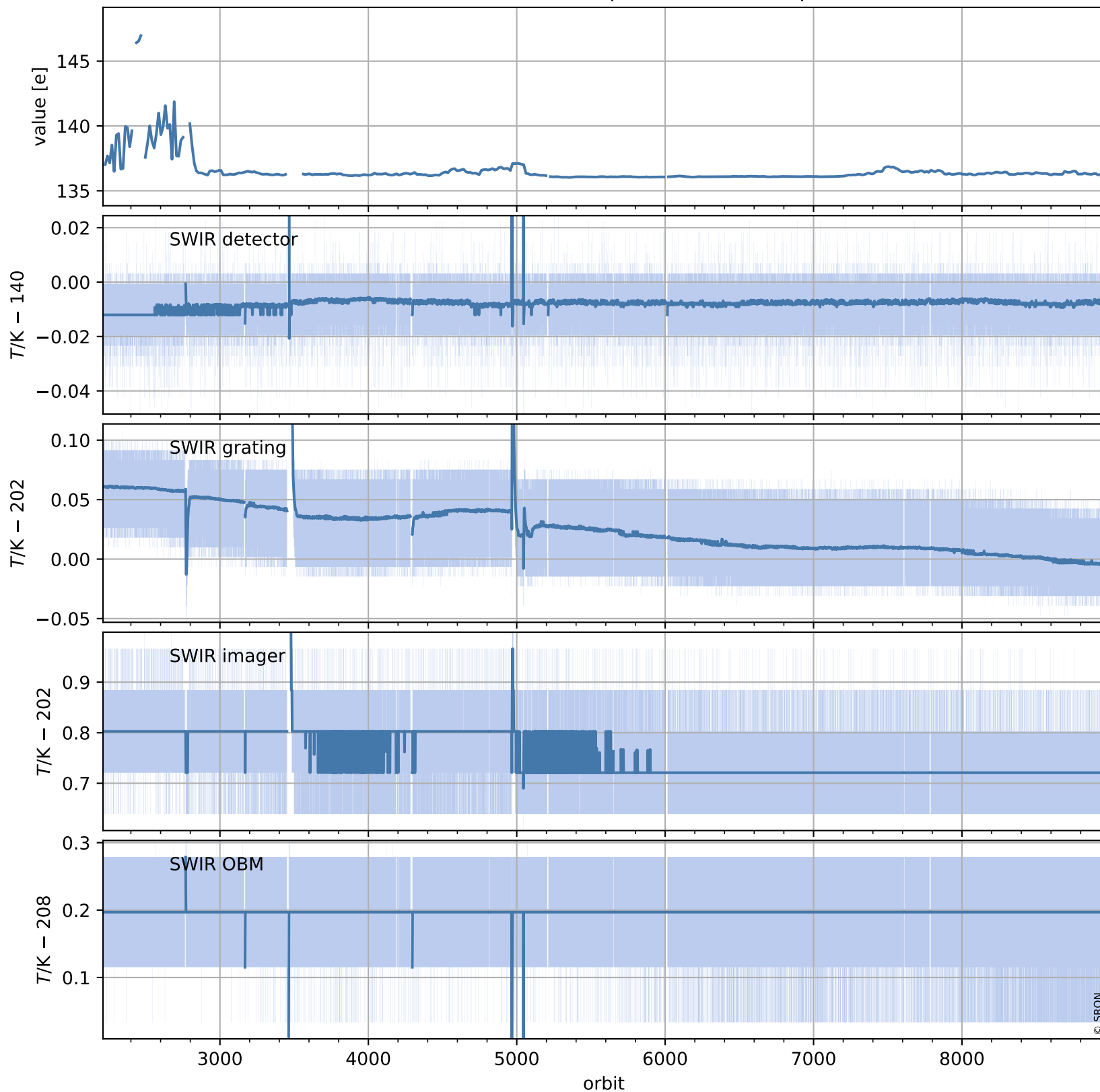
orbits : 13 in [8872, 8962]  
coverage : 2019-07-01 / 2019-07-06  
created : 2023-08-21T15:00:29



# Tropomi SWIR background noise (swir)

orbits : [2212, 8962]  
coverage : 2018-03-18 / 2019-07-06  
created : 2023-08-21T15:00:30

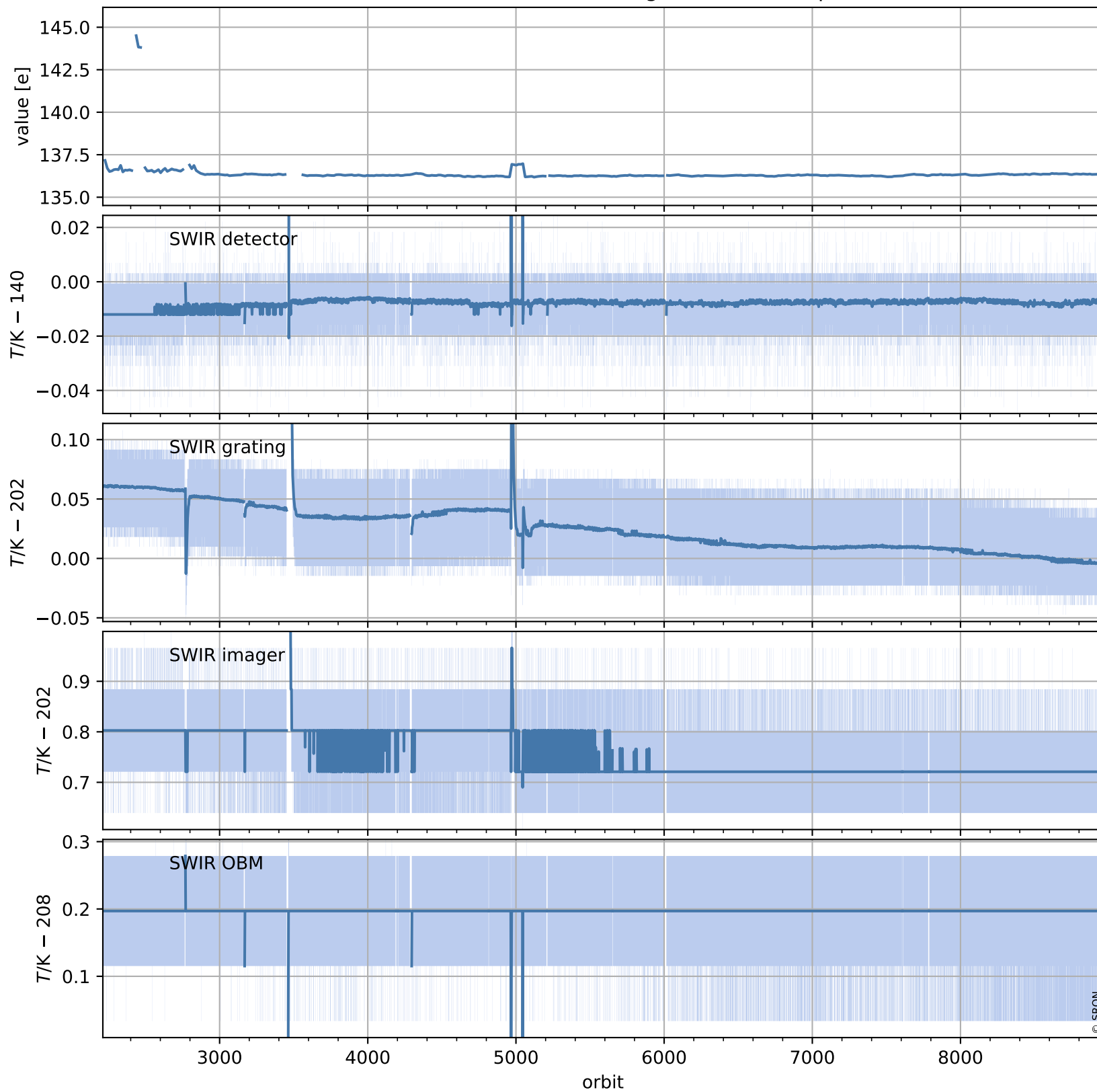
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8962]  
coverage : 2018-03-18 / 2019-07-06  
created : 2023-08-21T15:00:30

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8962]  
coverage : 2018-03-18 / 2019-07-06  
created : 2023-08-21T15:00:31

## trend of normalized read-noise & temperatures

