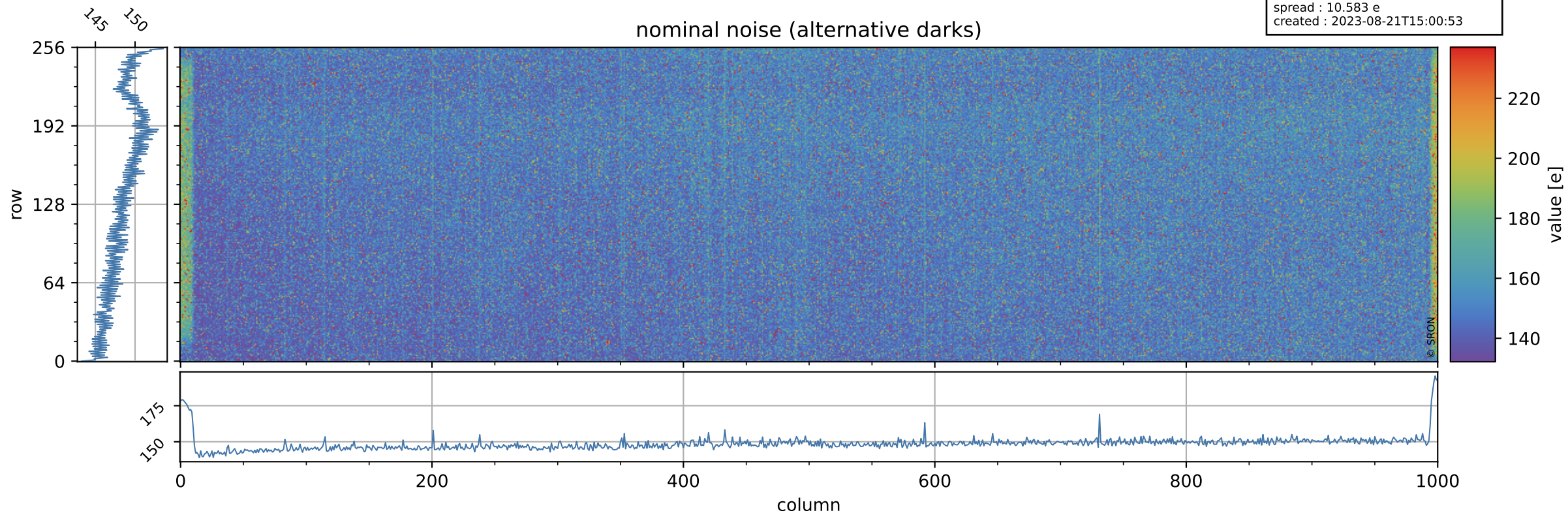


# Tropomi SWIR background noise (swir)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.37 e  
spread : 10.583 e  
created : 2023-08-21T15:00:53

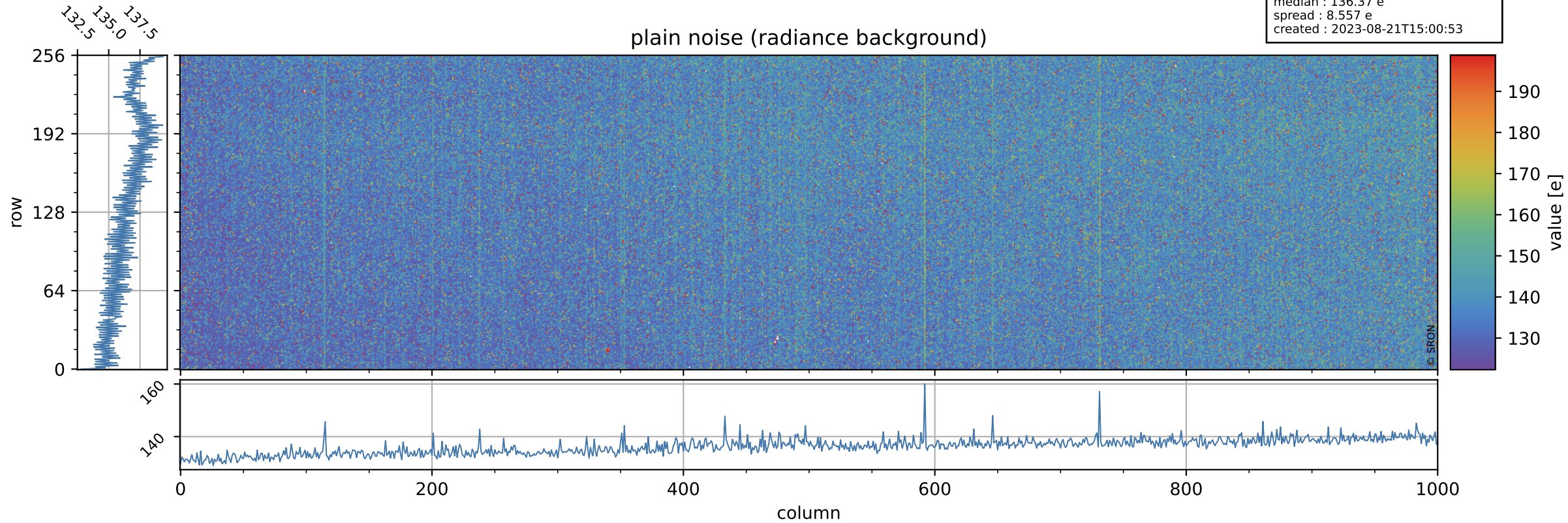
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.37 e  
spread : 8.557 e  
created : 2023-08-21T15:00:53

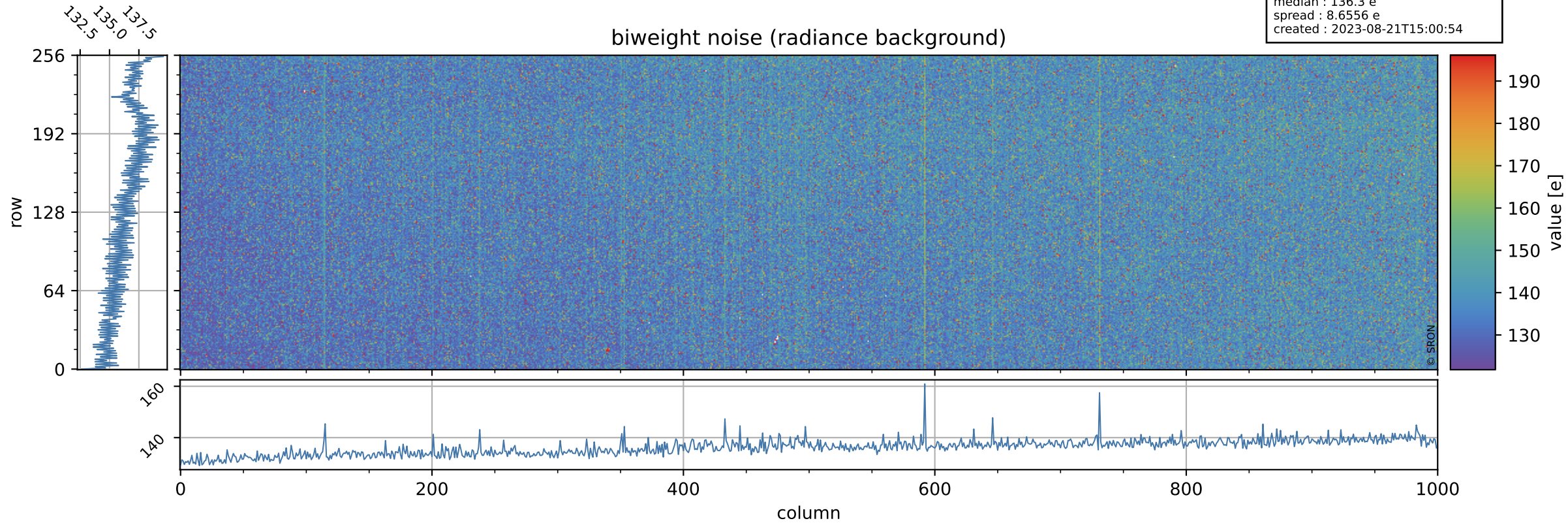
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.3 e  
spread : 8.6556 e  
created : 2023-08-21T15:00:54

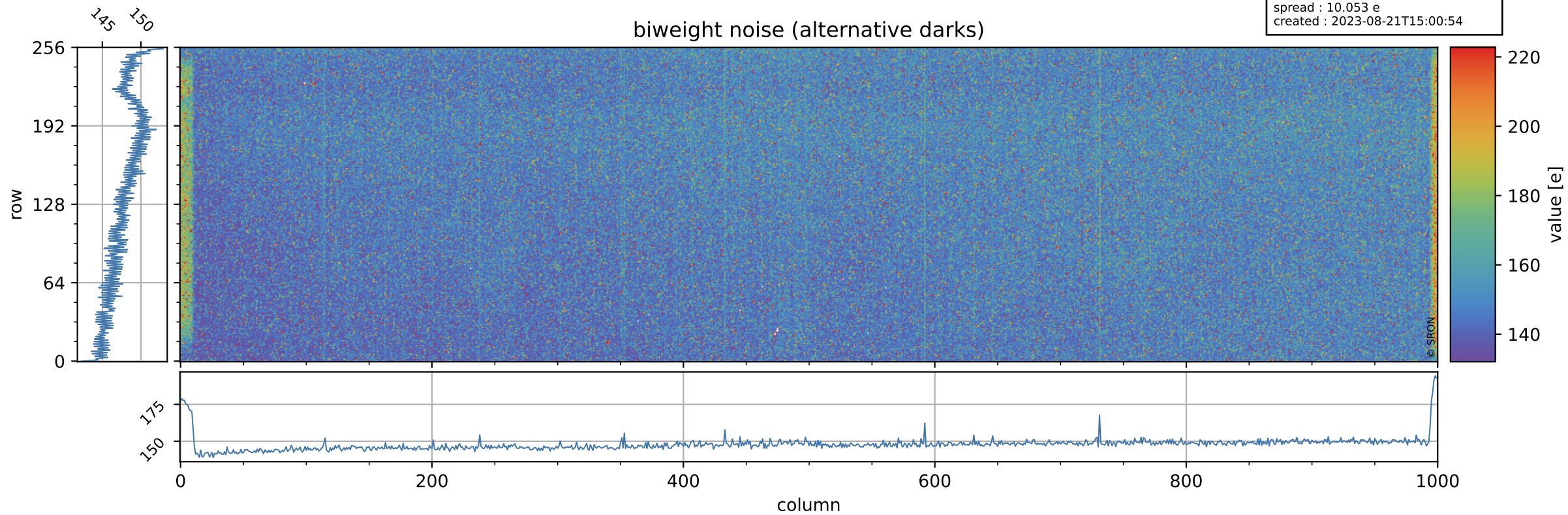
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.053 e  
created : 2023-08-21T15:00:54

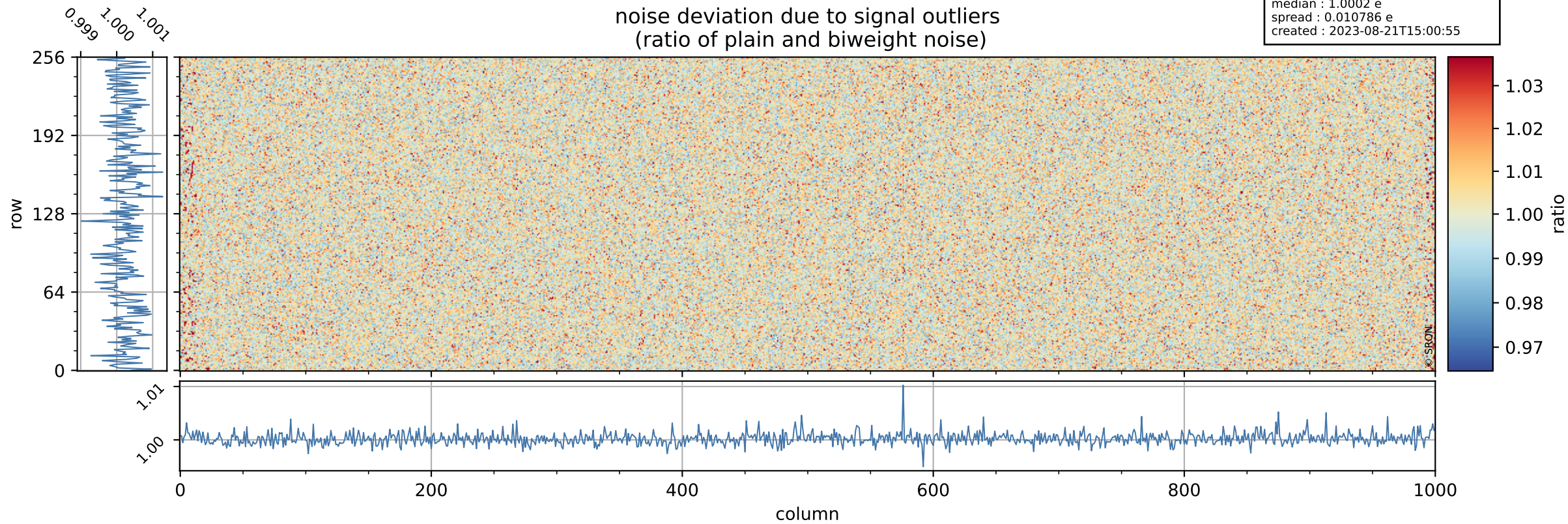
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

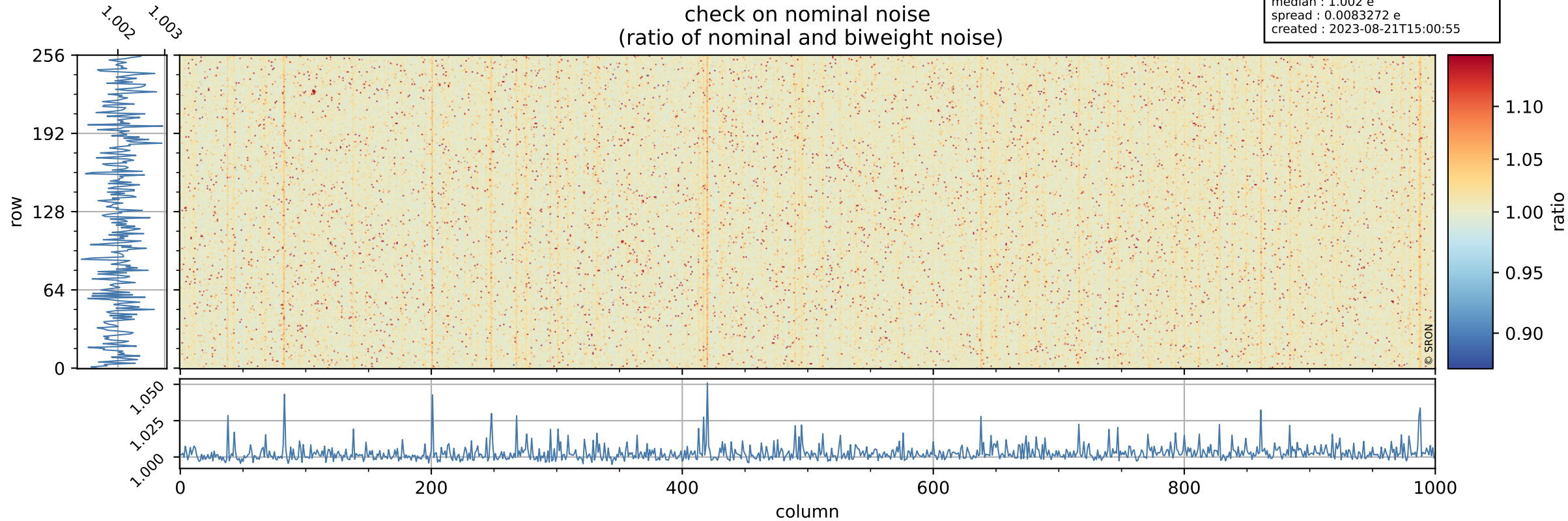
orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
median : 1.0002 e  
spread : 0.010786 e  
created : 2023-08-21T15:00:55



# Tropomi SWIR background noise (swir)

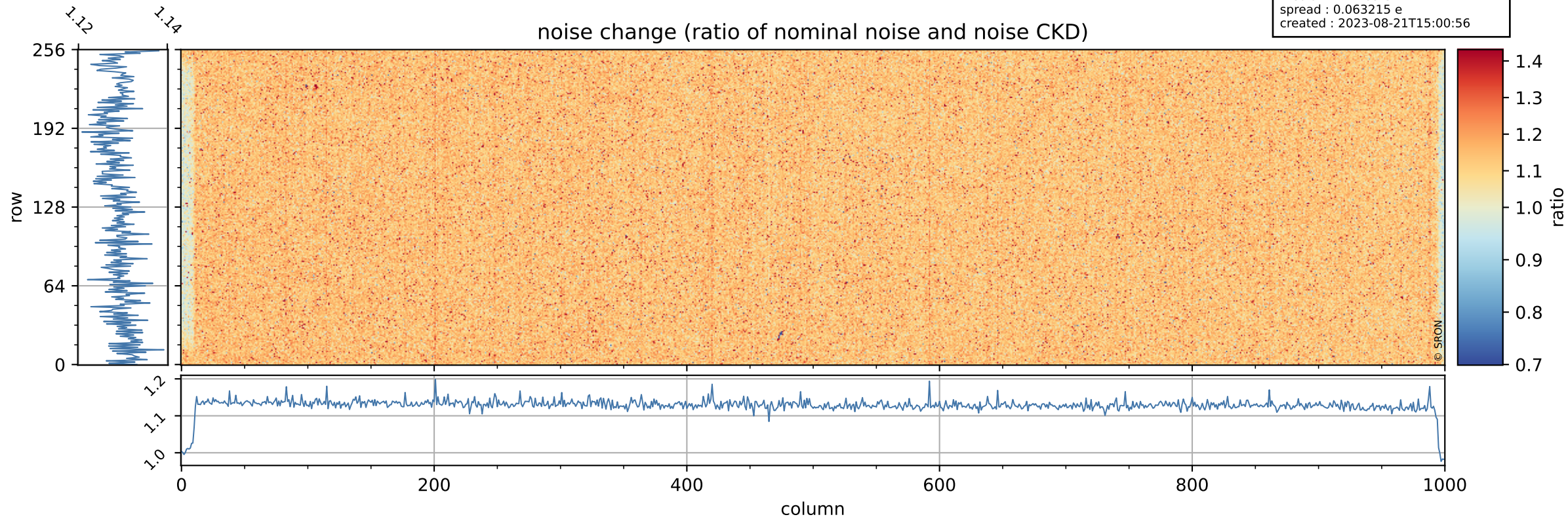
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
median : 1.002 e  
spread : 0.0083272 e  
created : 2023-08-21T15:00:55



# Tropomi SWIR background noise (swir)

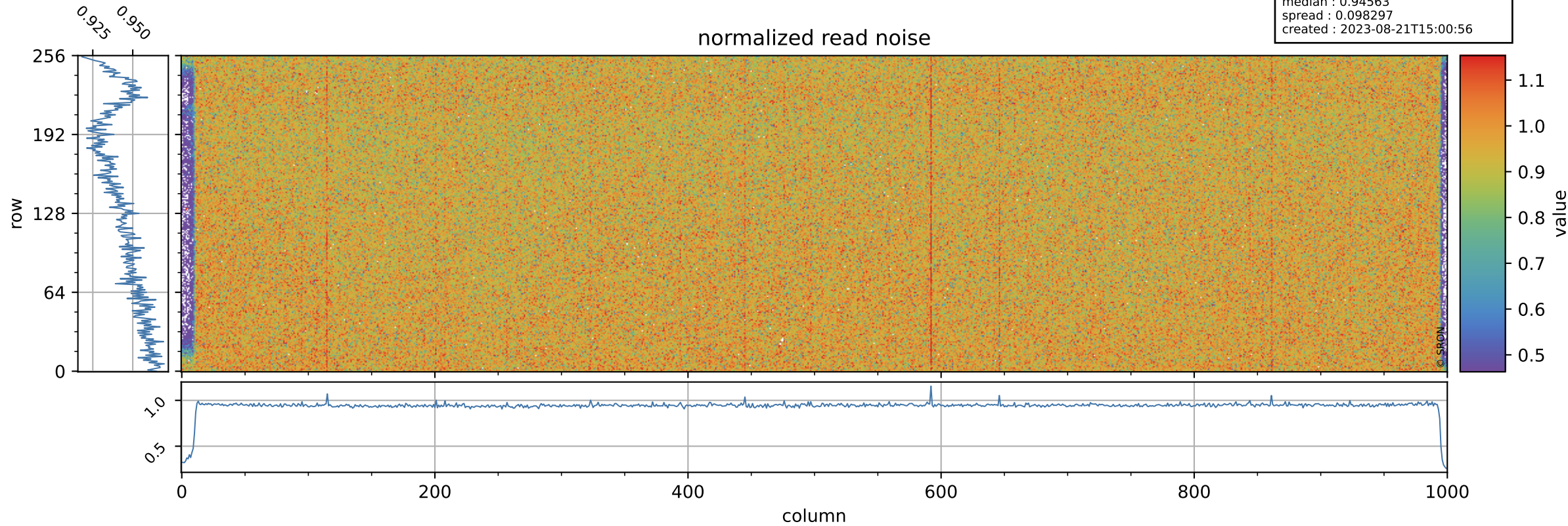
orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
median : 1.1285 e  
spread : 0.063215 e  
created : 2023-08-21T15:00:56



# Tropomi SWIR background noise (swir)

orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
median : 0.94563  
spread : 0.098297  
created : 2023-08-21T15:00:56

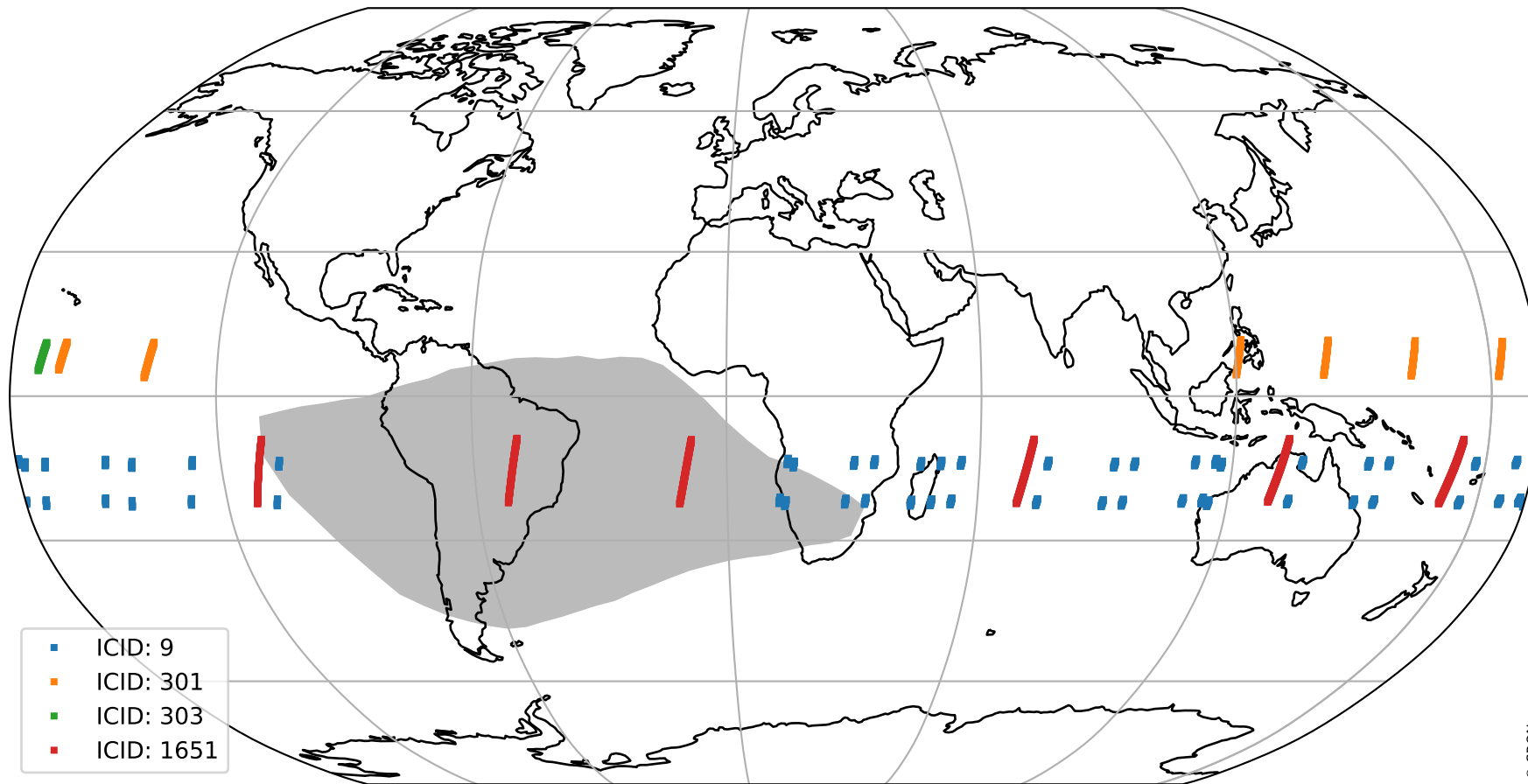
normalized read noise





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

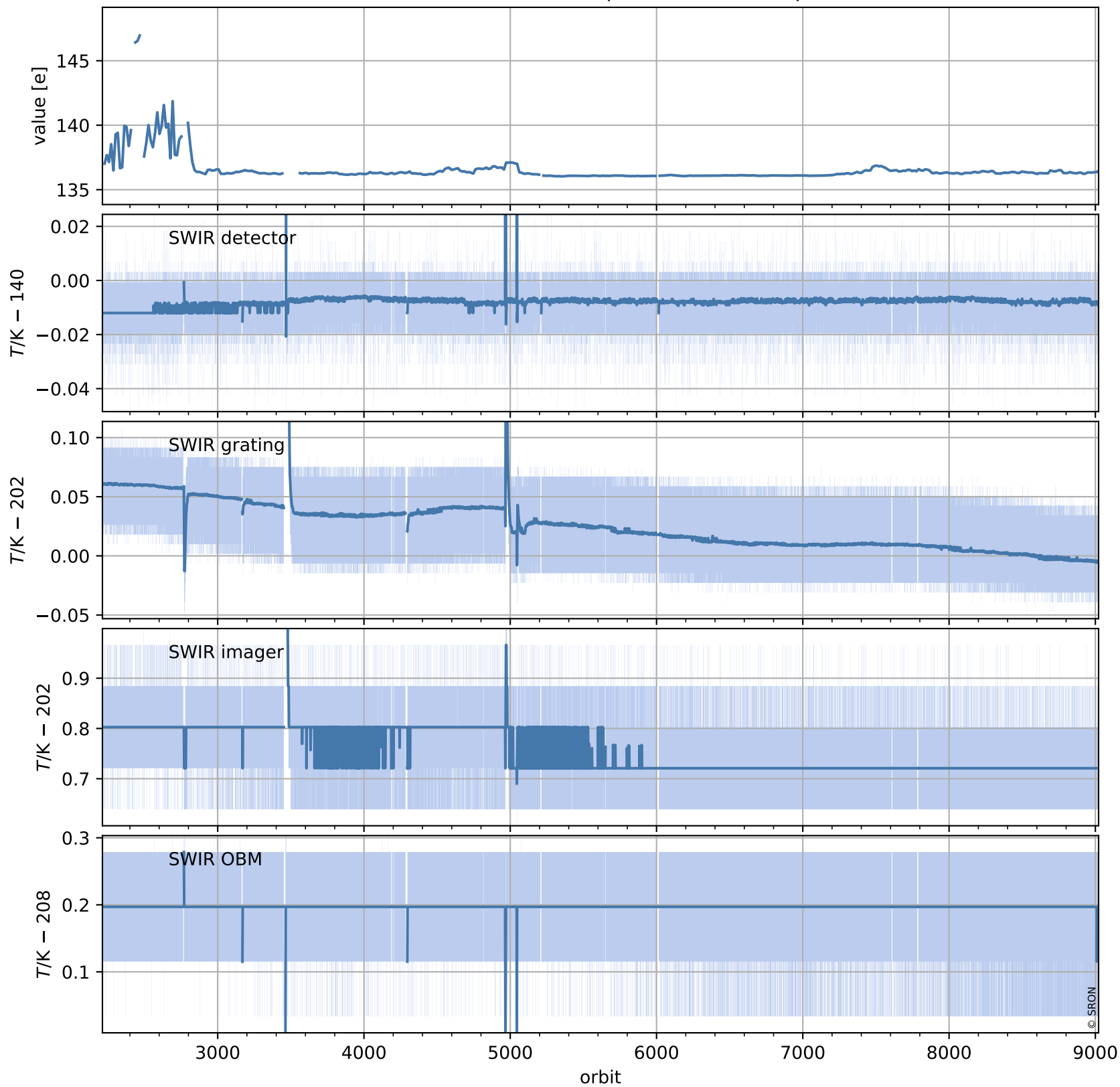
orbits : 13 in [8947, 9022]  
coverage : 2019-07-05 / 2019-07-10  
created : 2023-08-21T15:00:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 9022]  
coverage : 2018-03-18 / 2019-07-10  
created : 2023-08-21T15:00:57

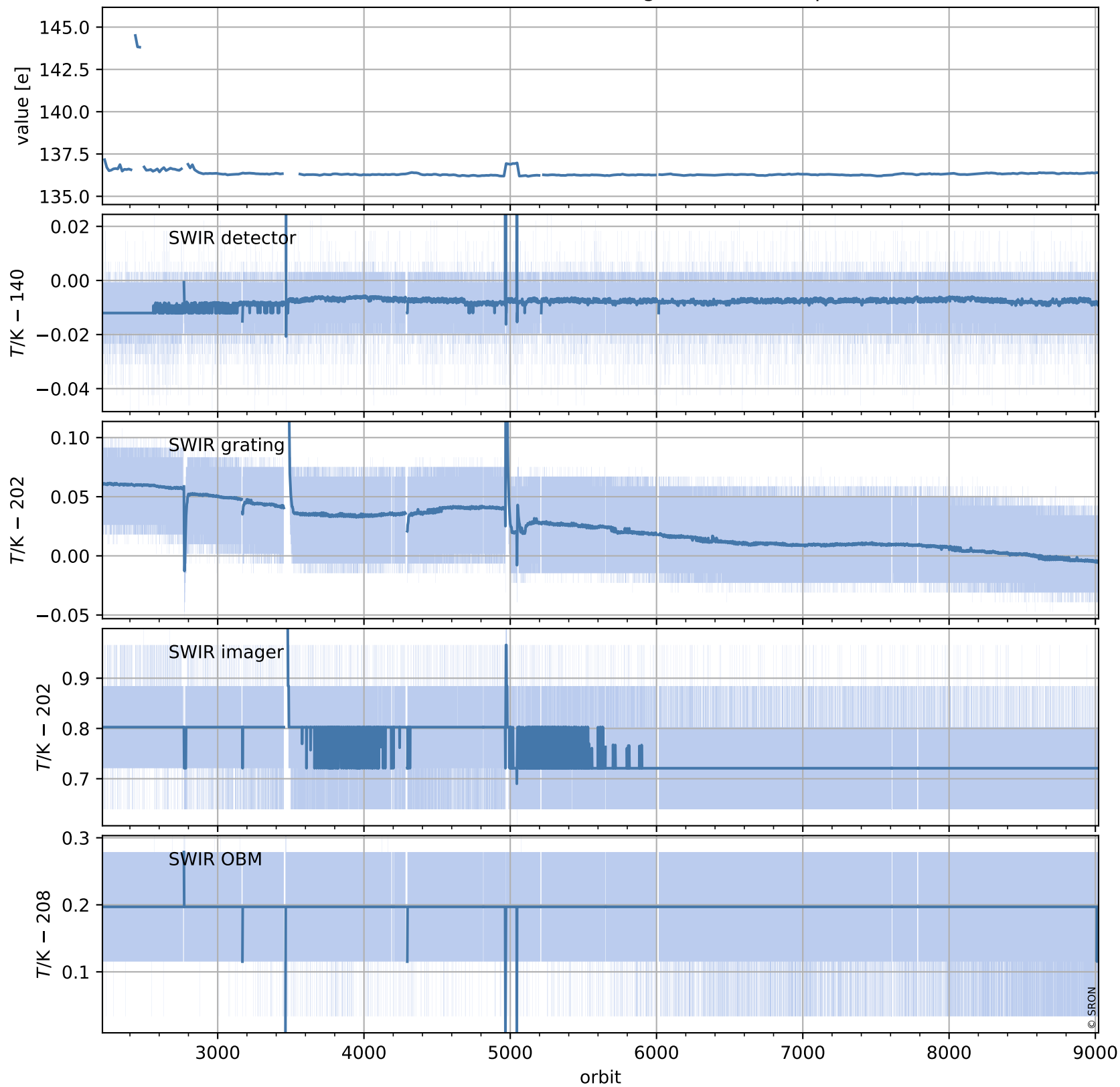
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9022]  
coverage : 2018-03-18 / 2019-07-10  
created : 2023-08-21T15:00:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9022]  
coverage : 2018-03-18 / 2019-07-10  
created : 2023-08-21T15:00:59

## trend of normalized read-noise & temperatures

