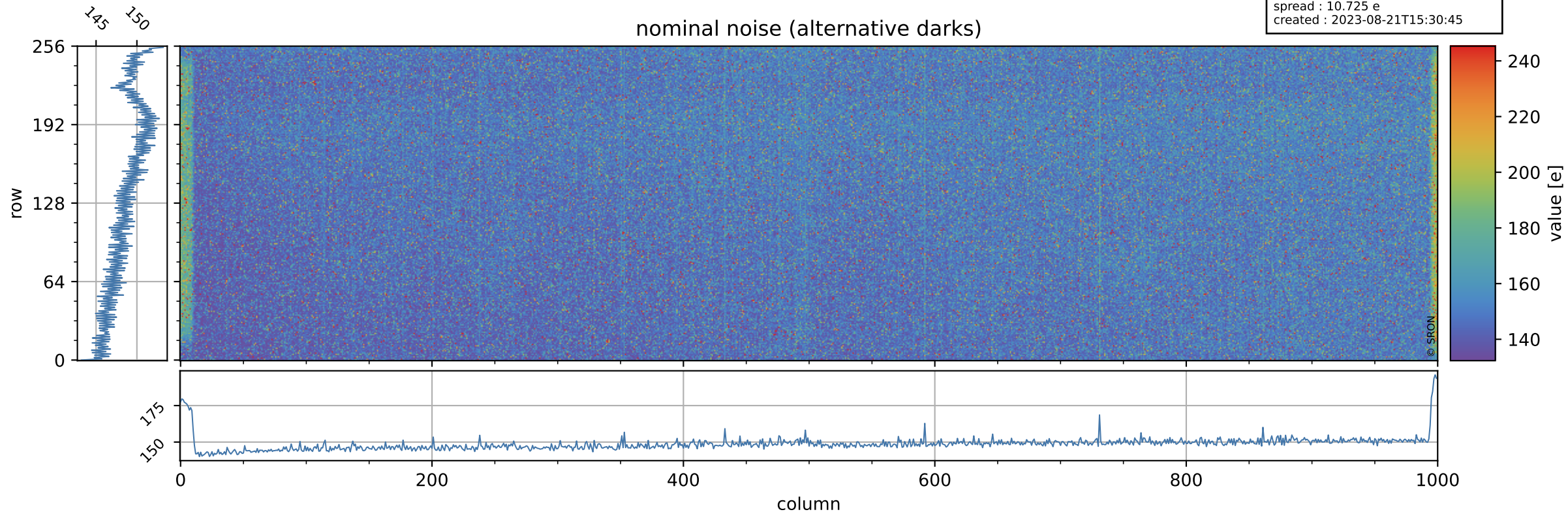


# Tropomi SWIR background noise (swir)

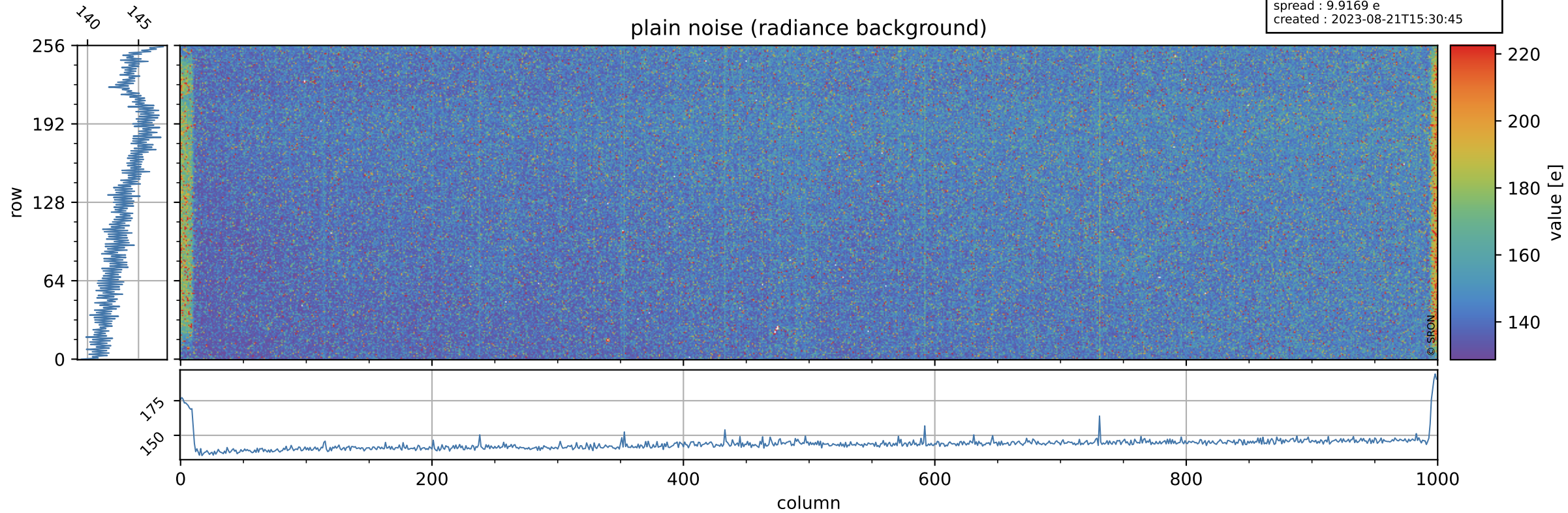
orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.725 e  
created : 2023-08-21T15:30:45



# Tropomi SWIR background noise (swir)

orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.9169 e  
created : 2023-08-21T15:30:45

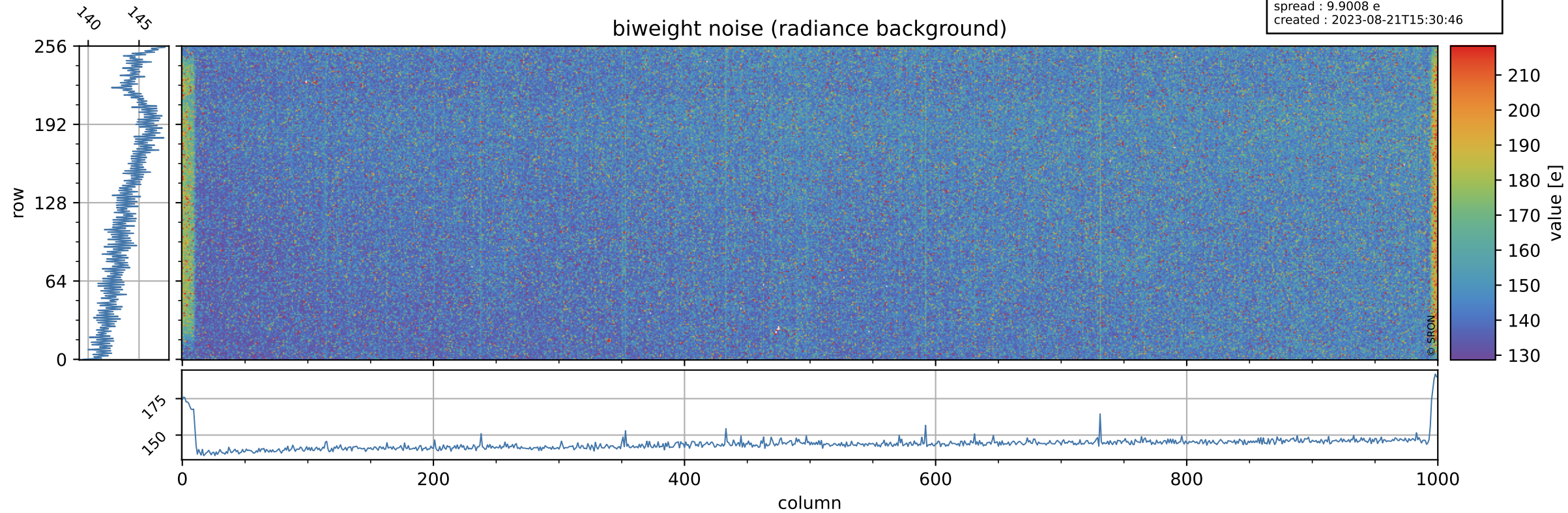
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.9008 e  
created : 2023-08-21T15:30:46

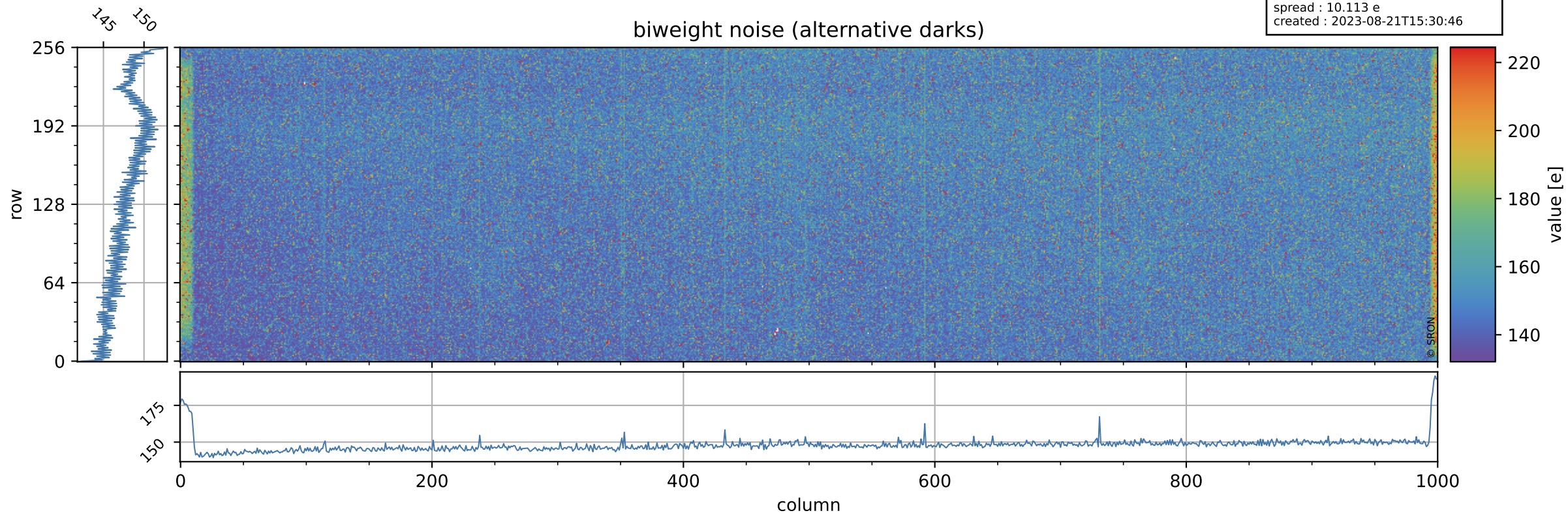
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.113 e  
created : 2023-08-21T15:30:46

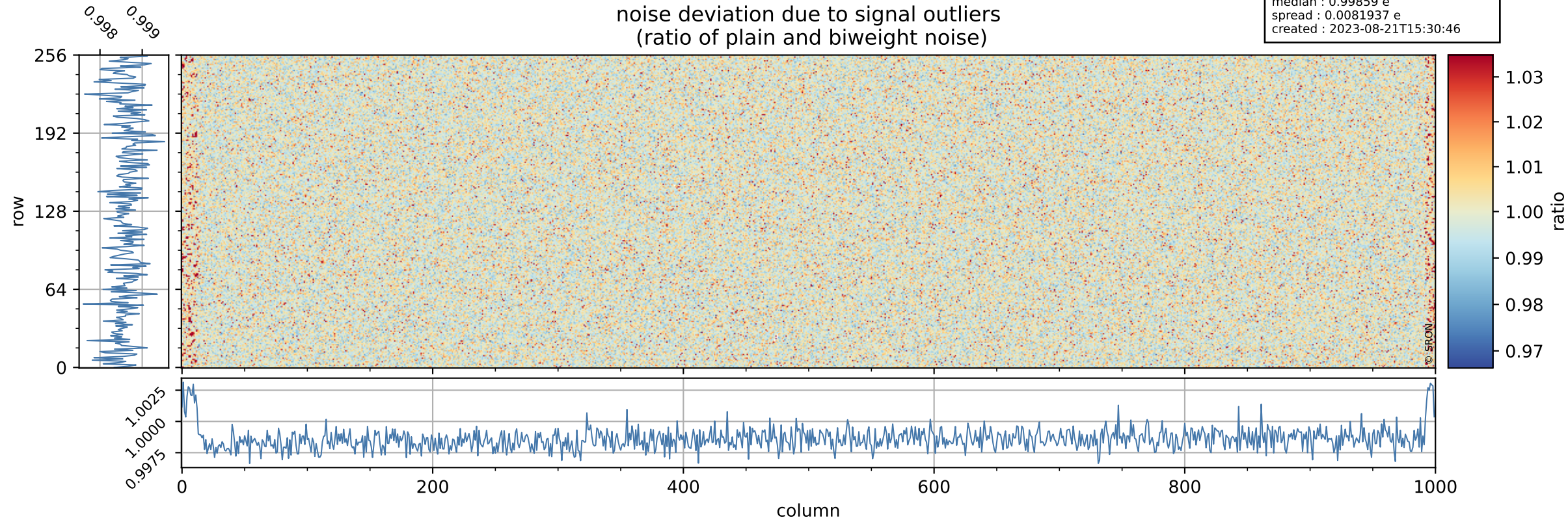
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

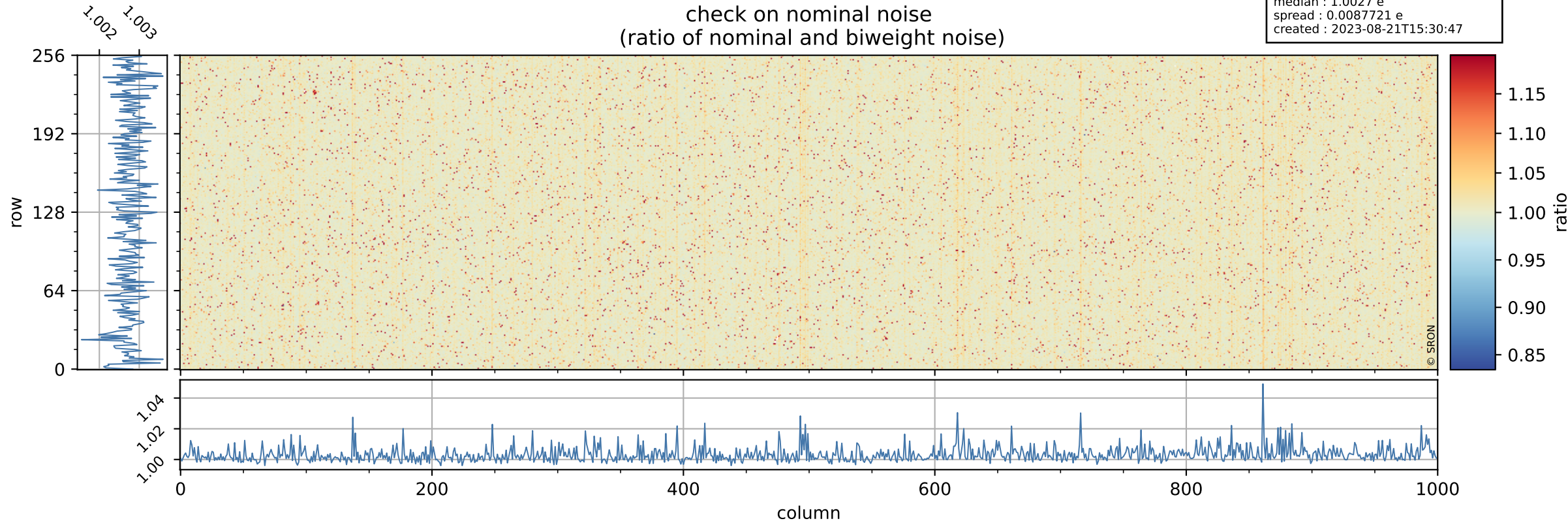
orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
median : 0.99859 e  
spread : 0.0081937 e  
created : 2023-08-21T15:30:46



# Tropomi SWIR background noise (swir)

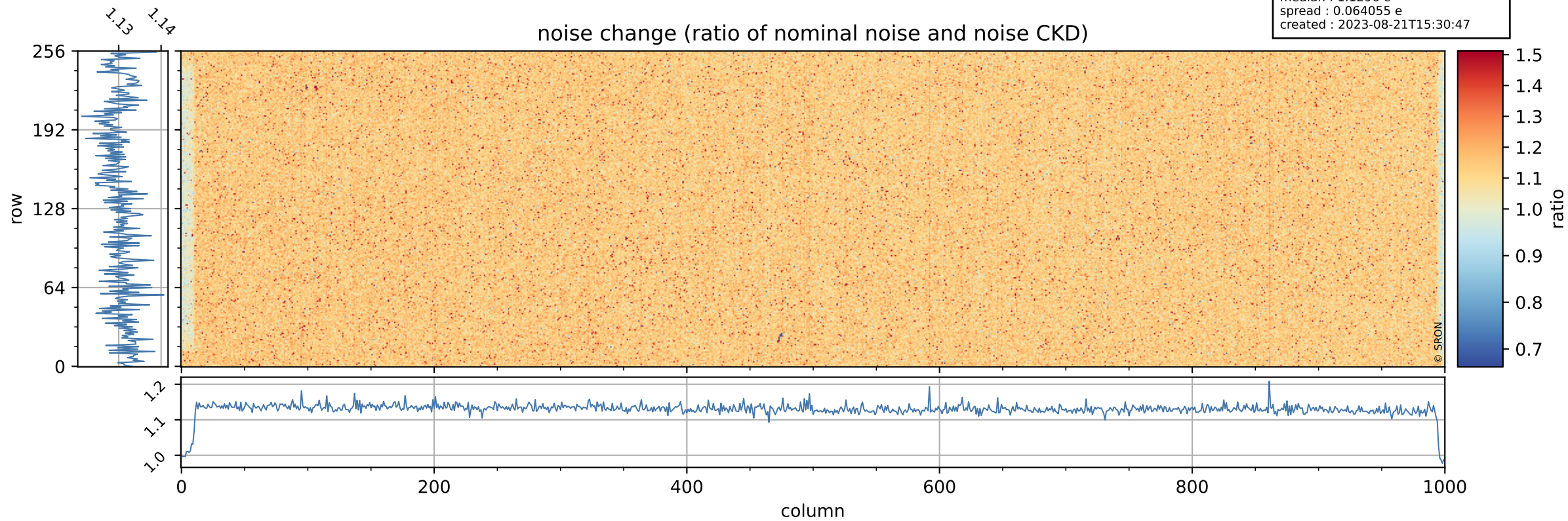
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
median : 1.0027 e  
spread : 0.0087721 e  
created : 2023-08-21T15:30:47



# Tropomi SWIR background noise (swir)

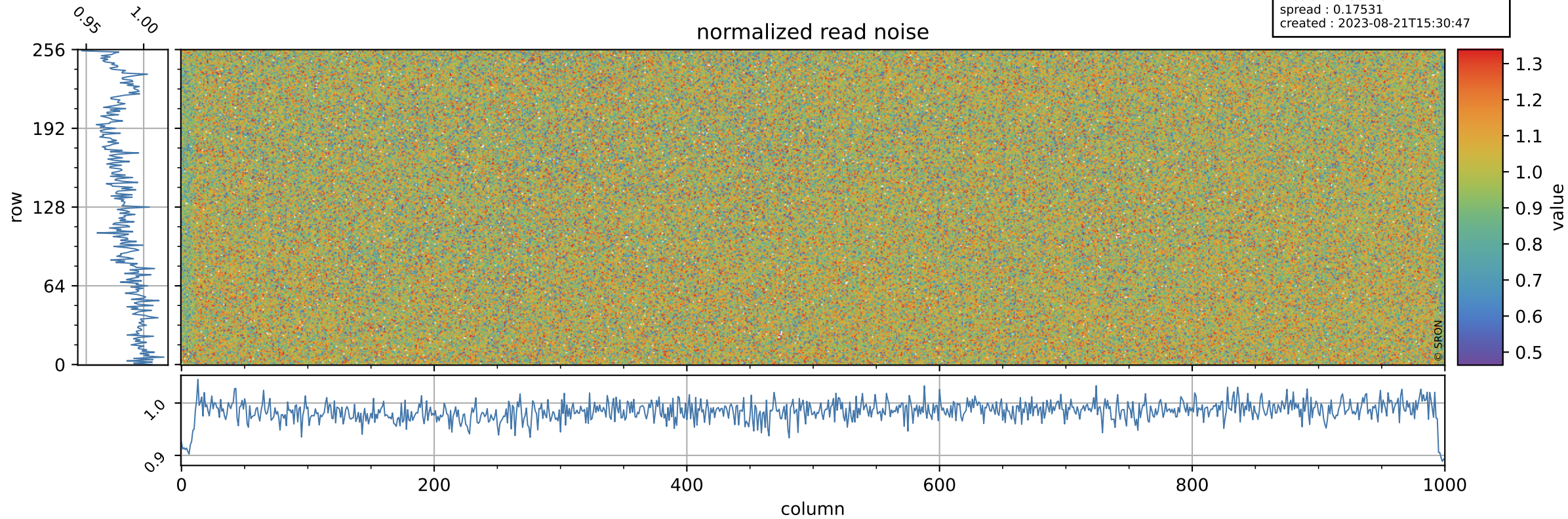
orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
median : 1.1296 e  
spread : 0.064055 e  
created : 2023-08-21T15:30:47



# Tropomi SWIR background noise (swir)

orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
median : 0.98275  
spread : 0.17531  
created : 2023-08-21T15:30:47

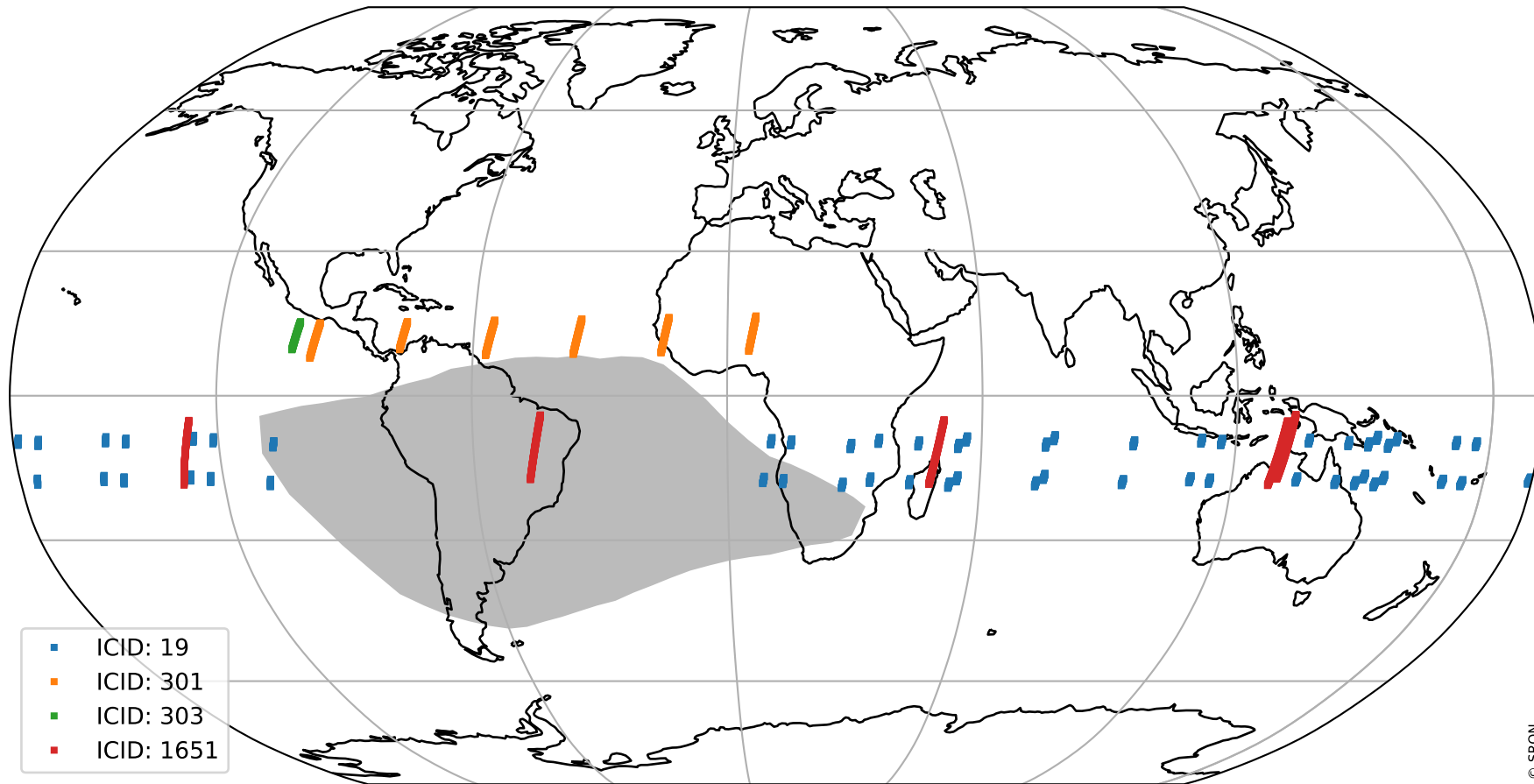
normalized read noise





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

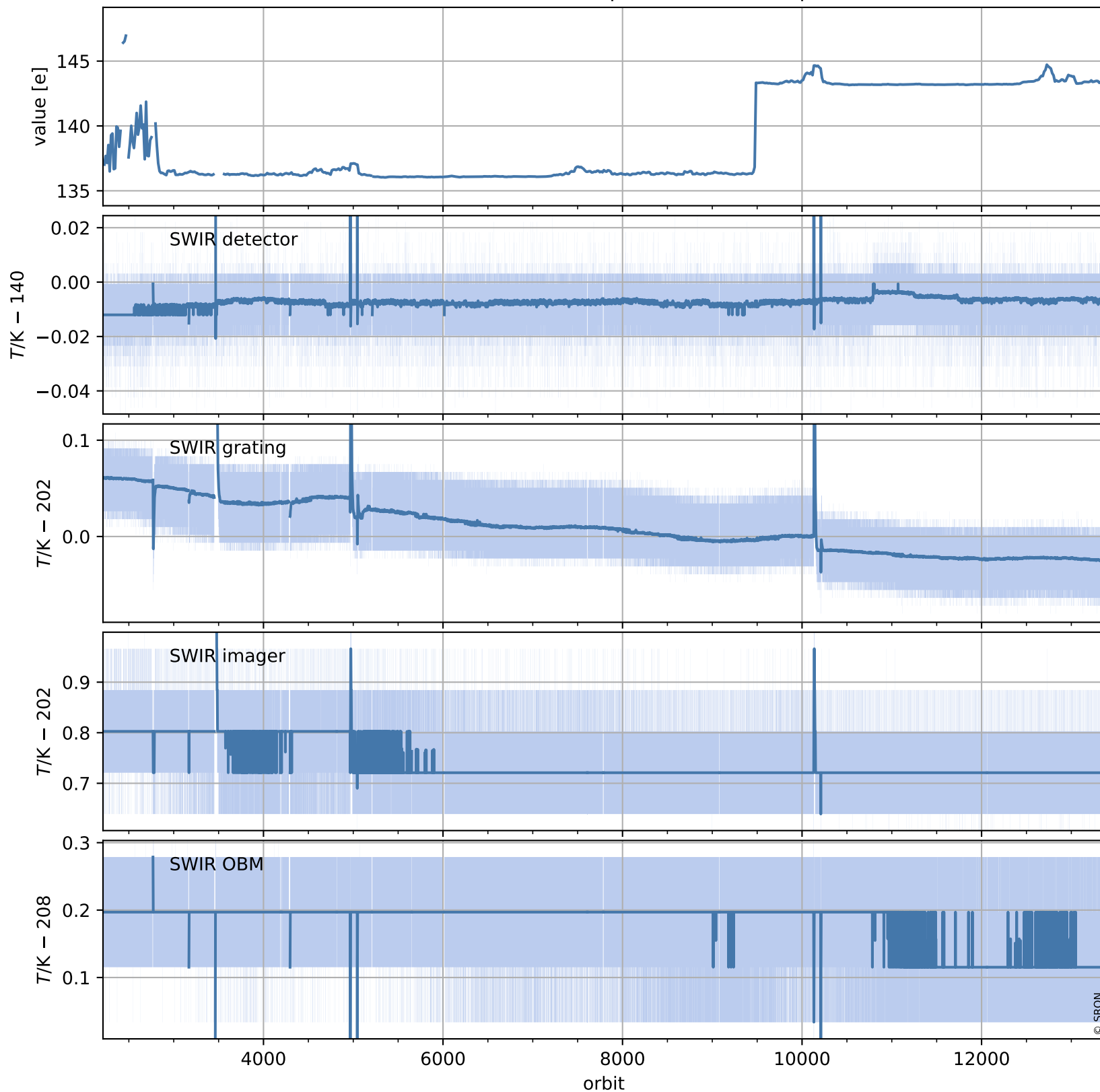
orbits : 12 in [13282, 13372]  
coverage : 2020-05-06 / 2020-05-12  
created : 2023-08-21T15:30:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 13372]  
coverage : 2018-03-18 / 2020-05-12  
created : 2023-08-21T15:30:48

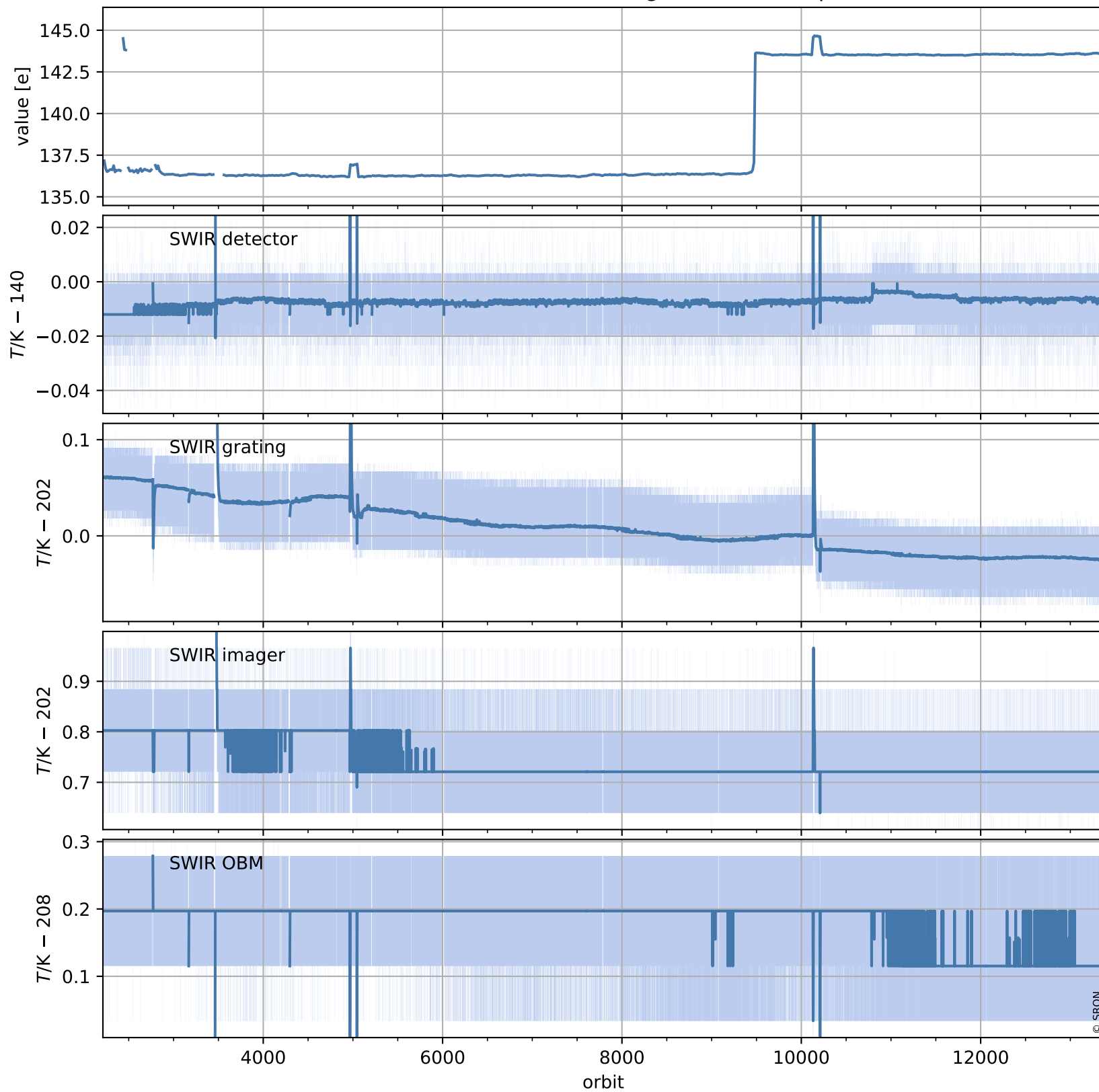
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13372]  
coverage : 2018-03-18 / 2020-05-12  
created : 2023-08-21T15:30:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13372]  
coverage : 2018-03-18 / 2020-05-12  
created : 2023-08-21T15:30:49

## trend of normalized read-noise & temperatures

