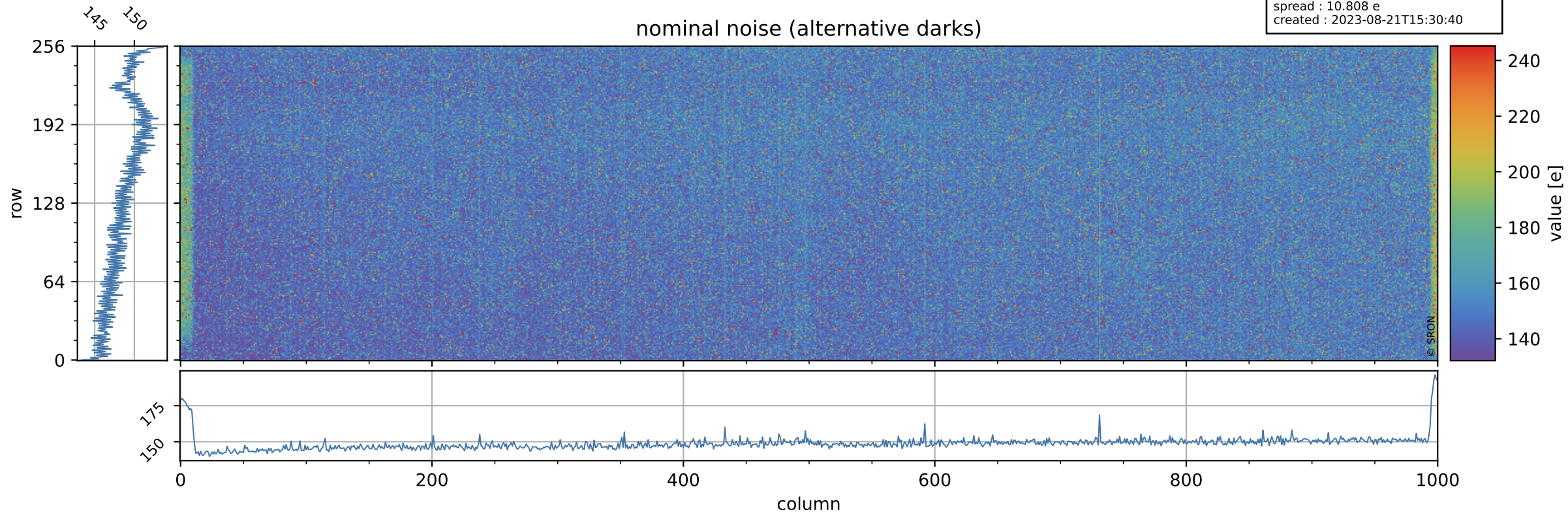


# Tropomi SWIR background noise (swir)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.808 e  
created : 2023-08-21T15:30:40

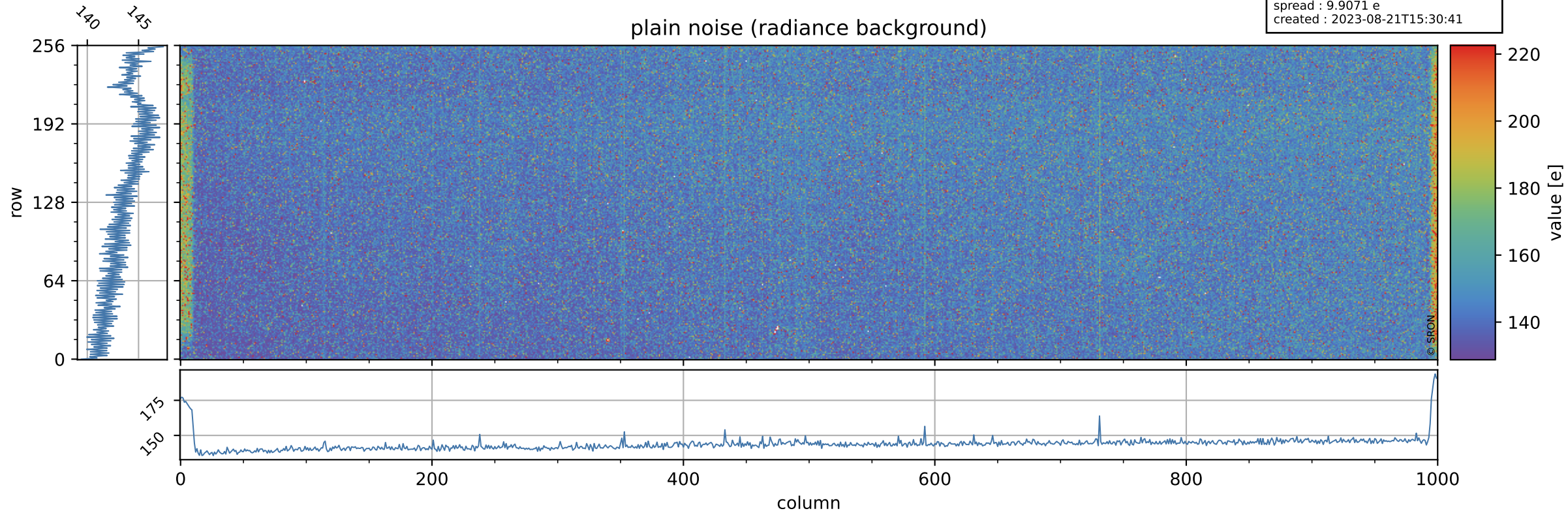
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.57 e  
spread : 9.9071 e  
created : 2023-08-21T15:30:41

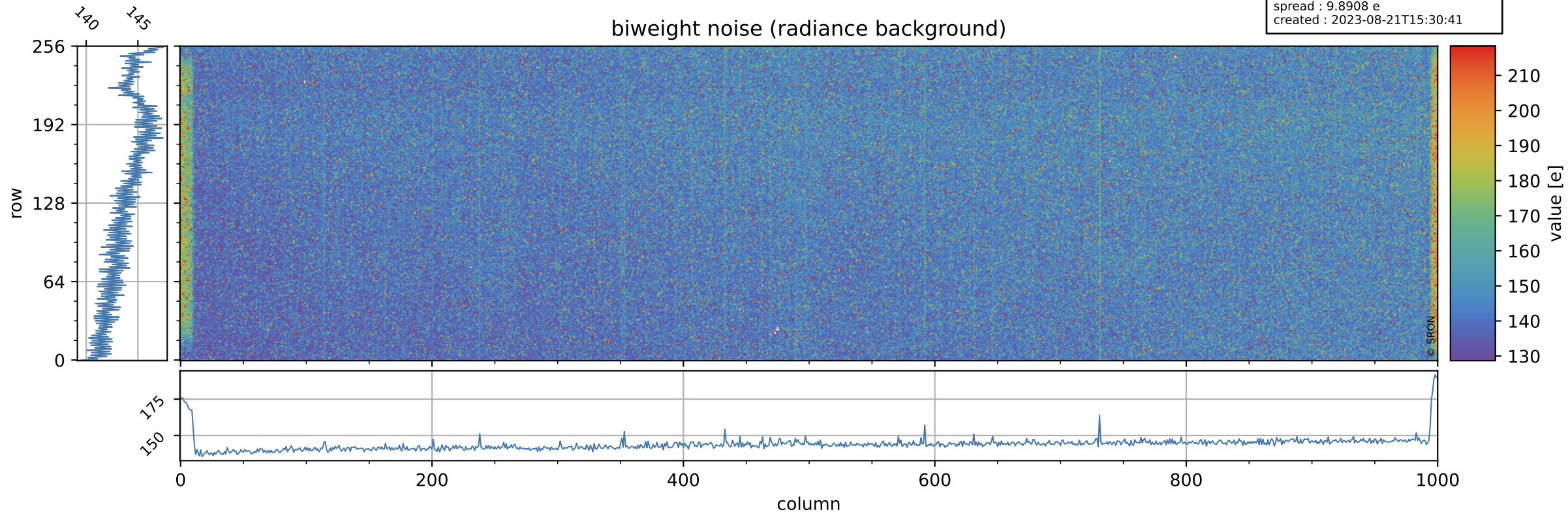
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.8908 e  
created : 2023-08-21T15:30:41

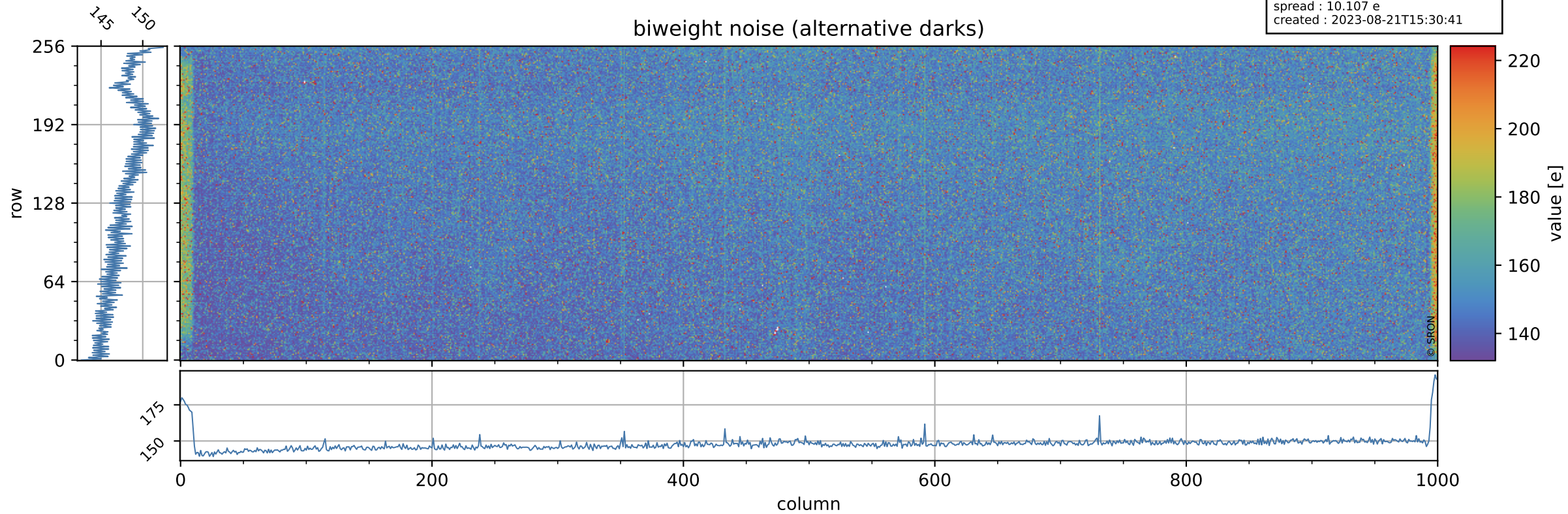
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.107 e  
created : 2023-08-21T15:30:41

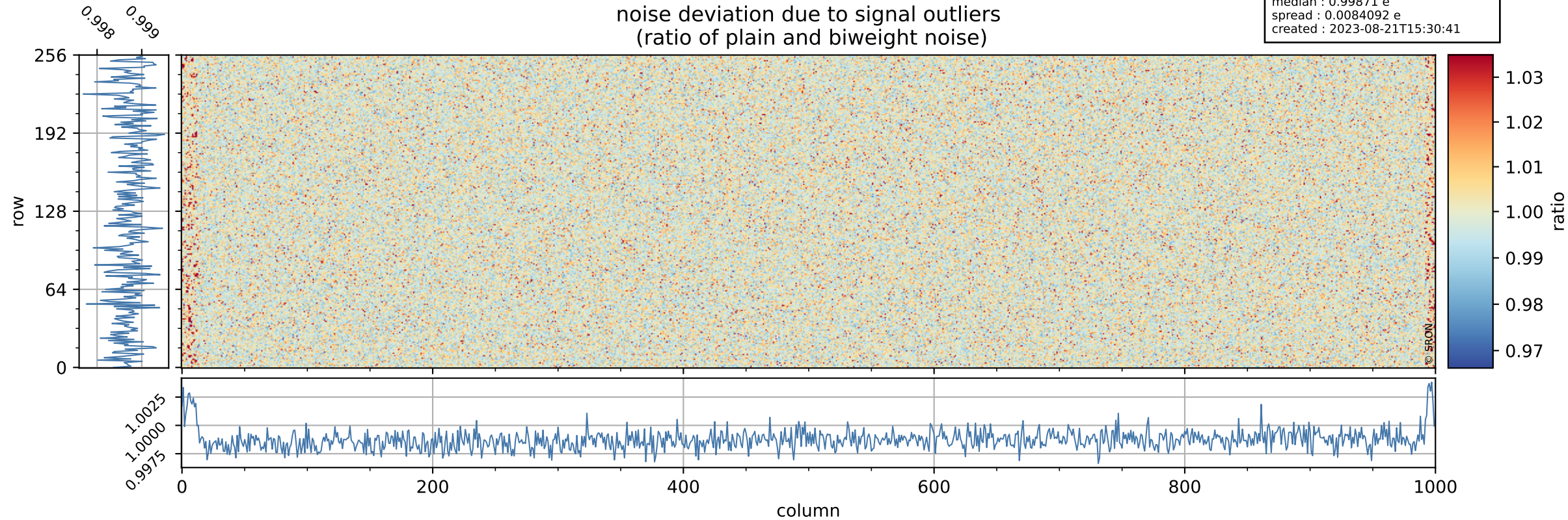
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

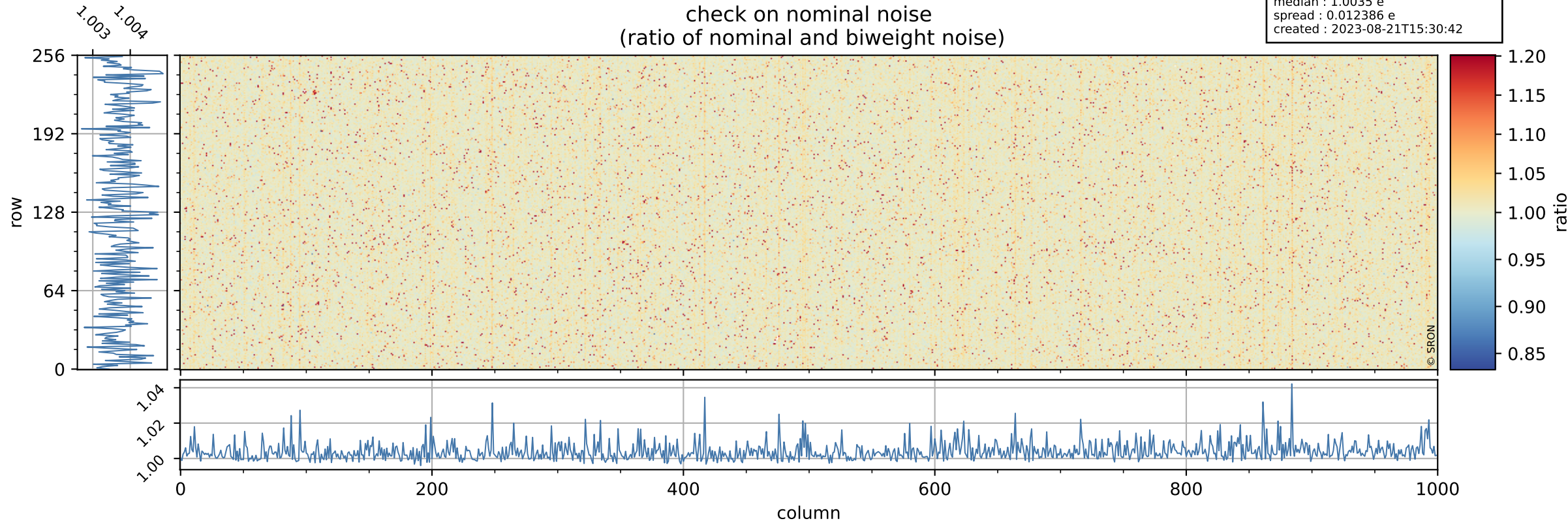
orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
median : 0.99871 e  
spread : 0.0084092 e  
created : 2023-08-21T15:30:41



# Tropomi SWIR background noise (swir)

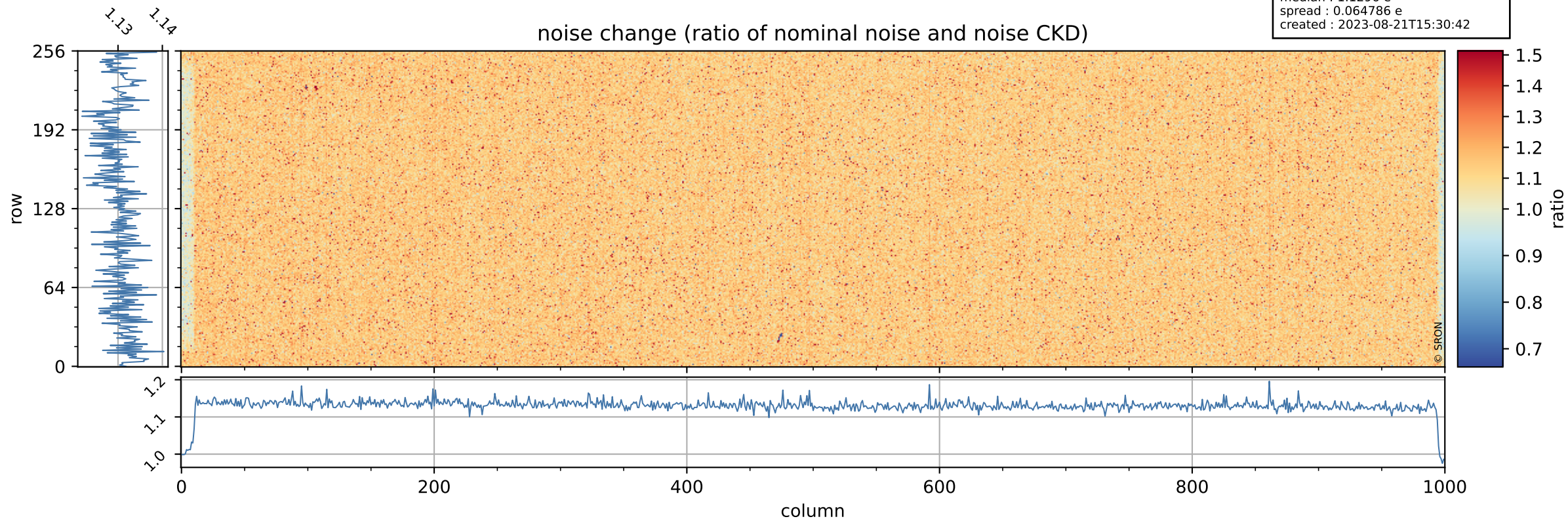
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
median : 1.0035 e  
spread : 0.012386 e  
created : 2023-08-21T15:30:42



# Tropomi SWIR background noise (swir)

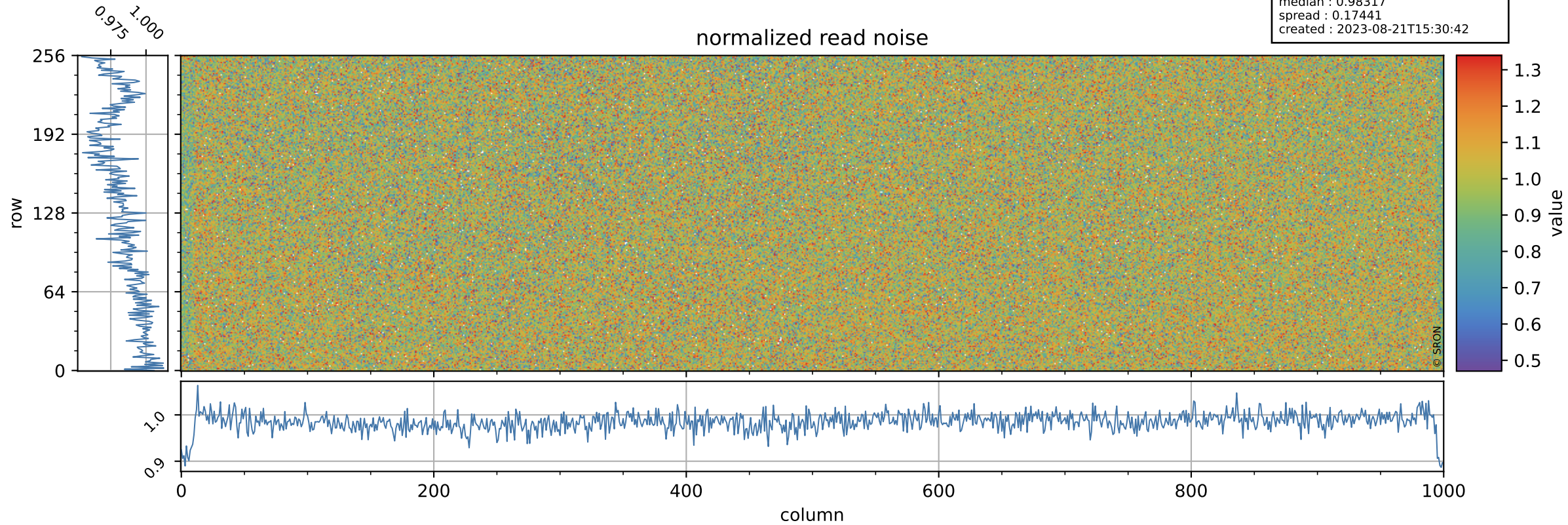
orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
median : 1.1296 e  
spread : 0.064786 e  
created : 2023-08-21T15:30:42



# Tropomi SWIR background noise (swir)

orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
median : 0.98317  
spread : 0.17441  
created : 2023-08-21T15:30:42

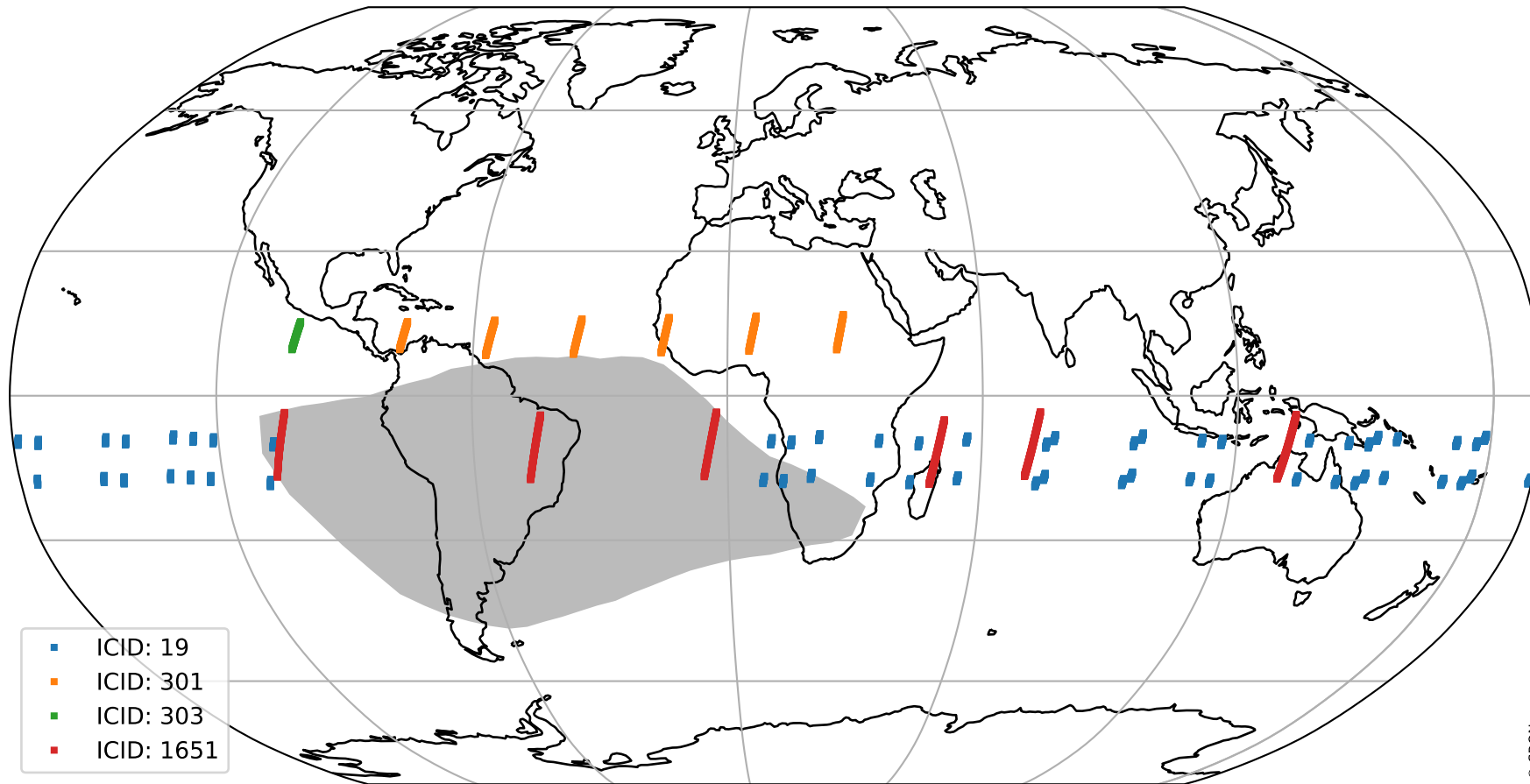
normalized read noise





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

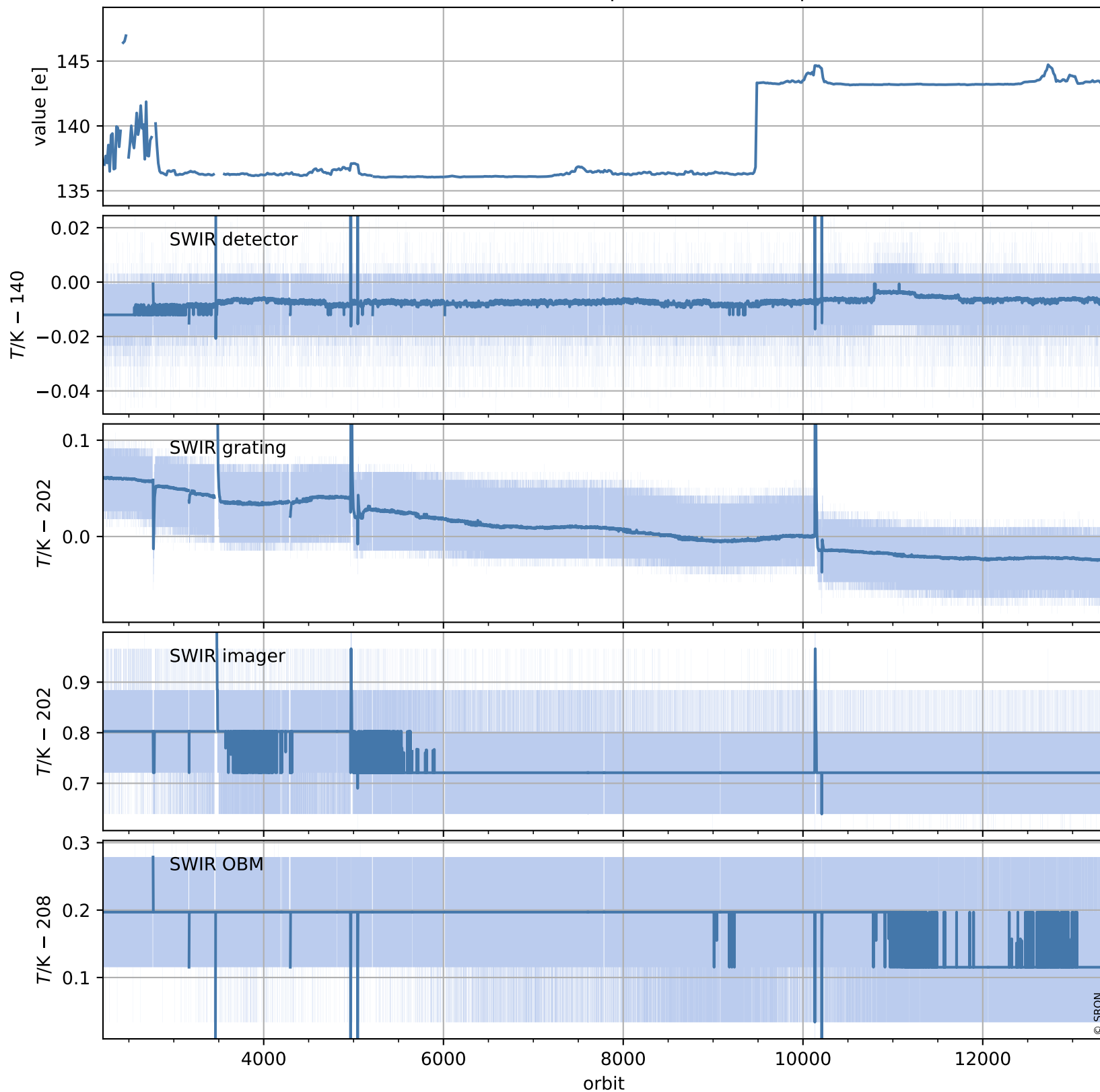
orbits : 13 in [13267, 13357]  
coverage : 2020-05-05 / 2020-05-11  
created : 2023-08-21T15:30:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 13357]  
coverage : 2018-03-18 / 2020-05-11  
created : 2023-08-21T15:30:43

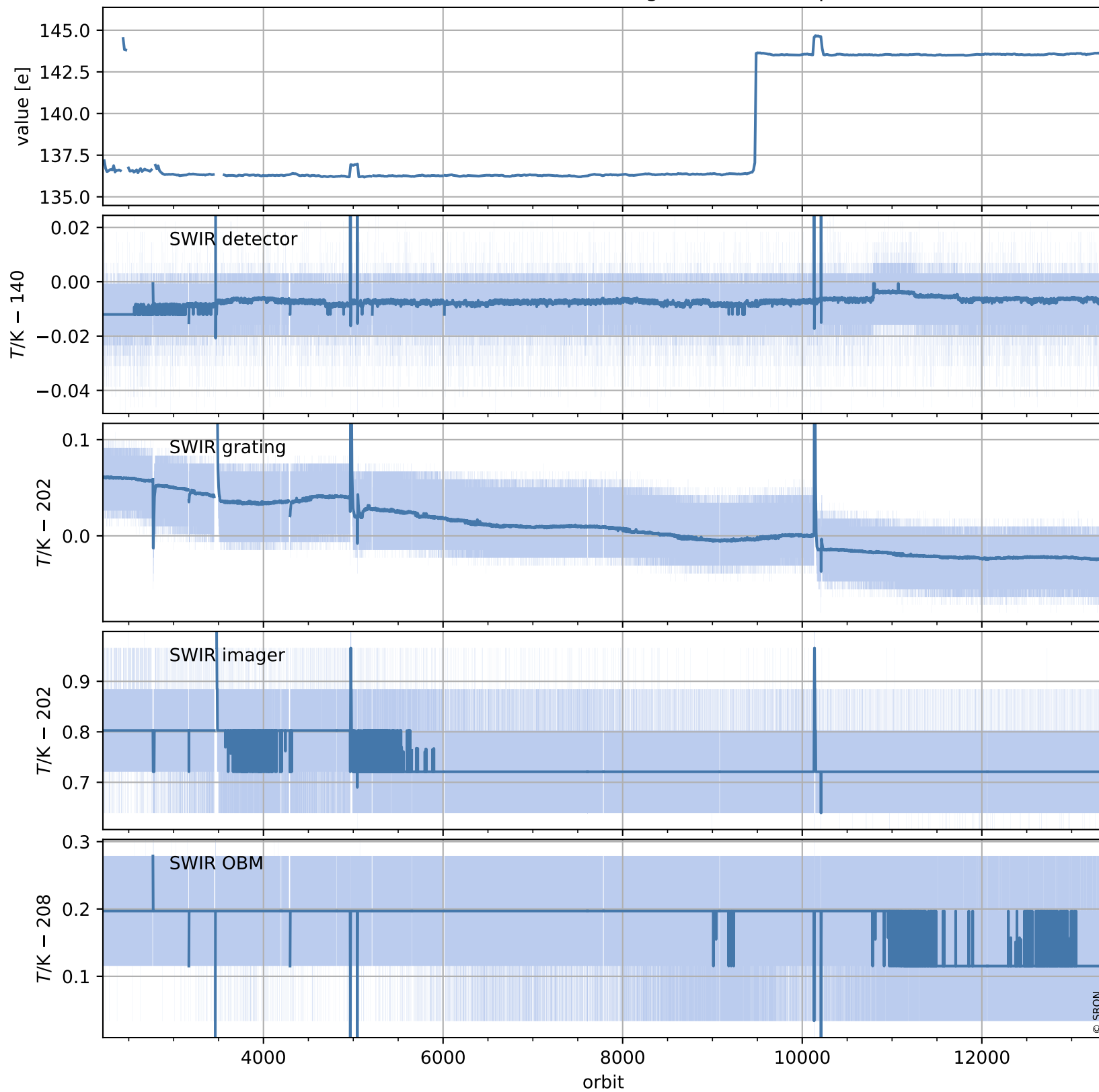
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13357]  
coverage : 2018-03-18 / 2020-05-11  
created : 2023-08-21T15:30:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13357]  
coverage : 2018-03-18 / 2020-05-11  
created : 2023-08-21T15:30:44

## trend of normalized read-noise & temperatures

