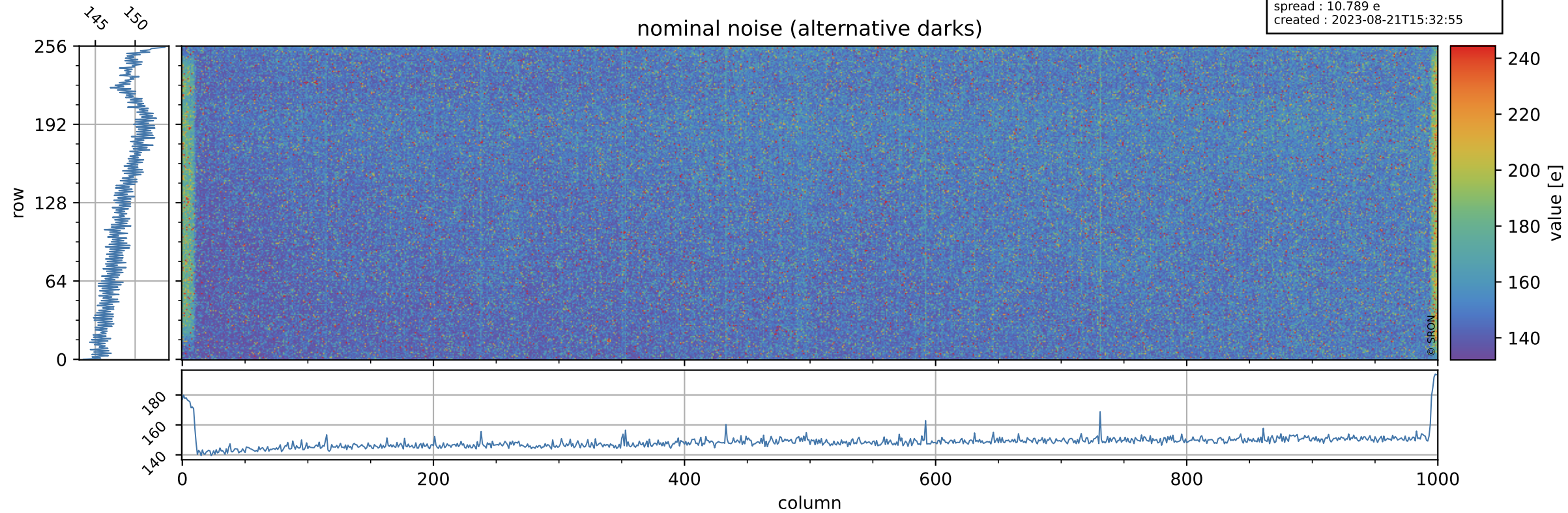


# Tropomi SWIR background noise (swir)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.789 e  
created : 2023-08-21T15:32:55

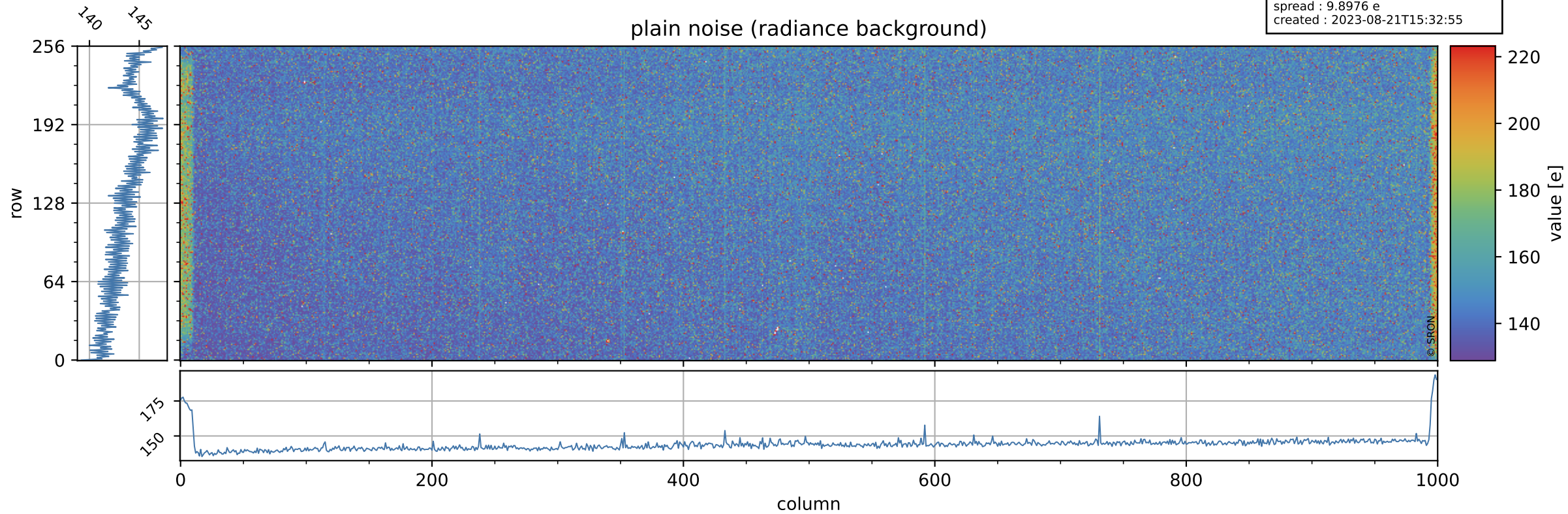
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.61 e  
spread : 9.8976 e  
created : 2023-08-21T15:32:55

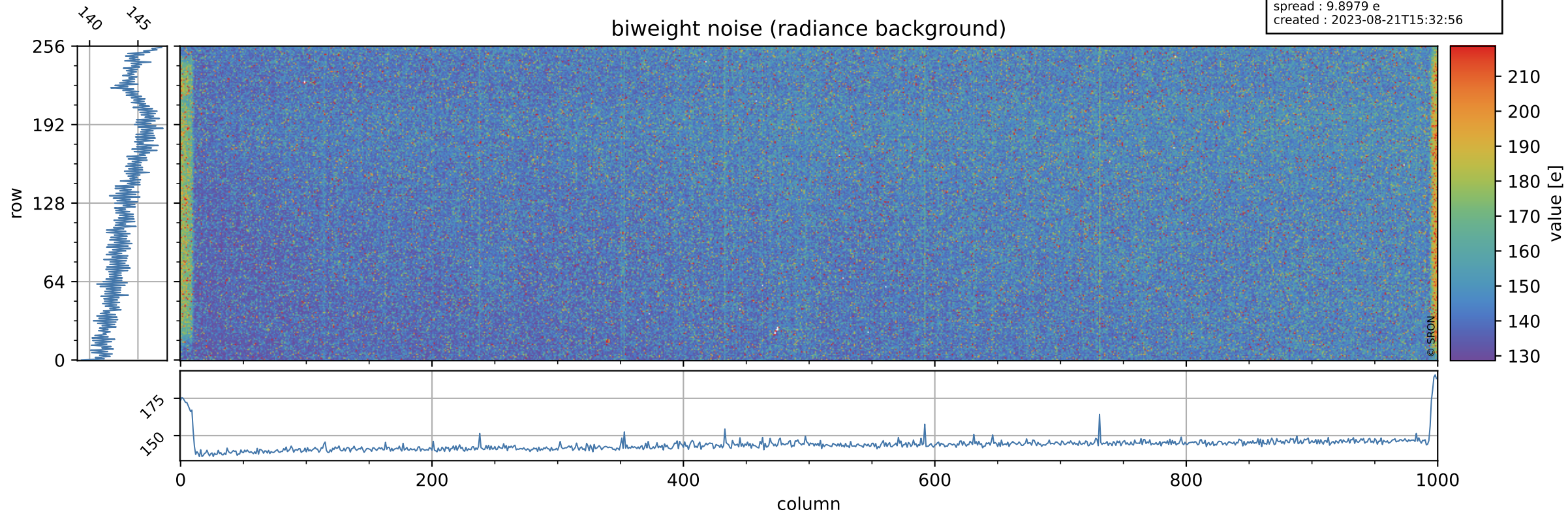
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.8979 e  
created : 2023-08-21T15:32:56

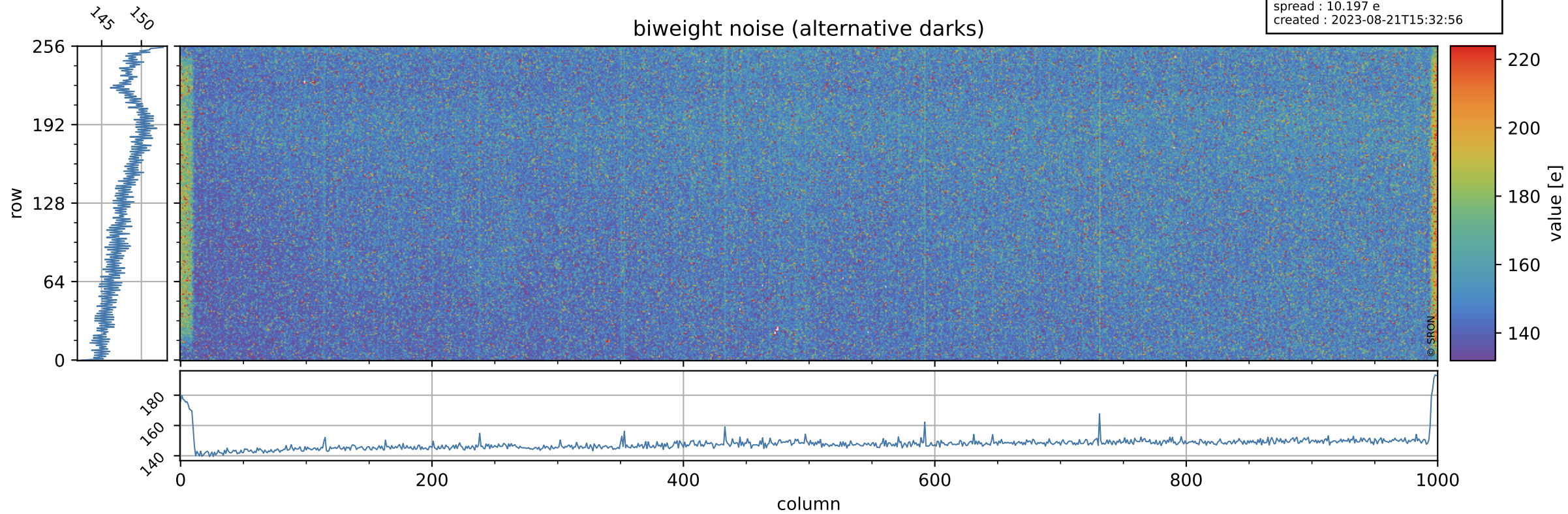
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.67 e  
spread : 10.197 e  
created : 2023-08-21T15:32:56

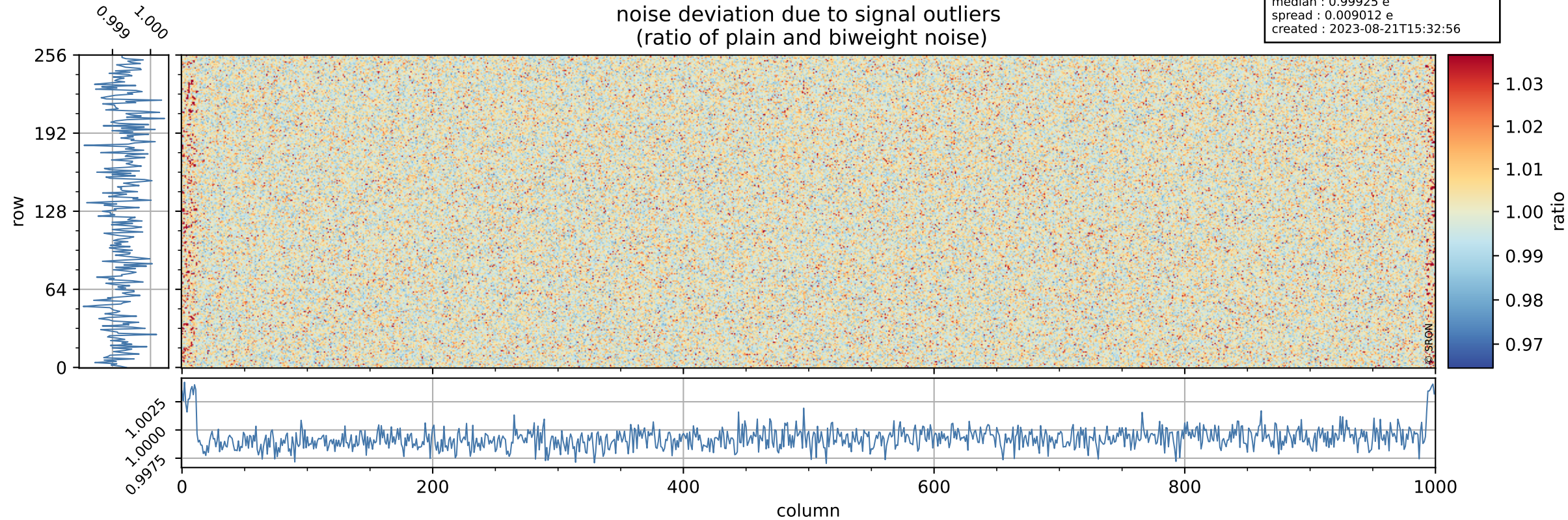
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

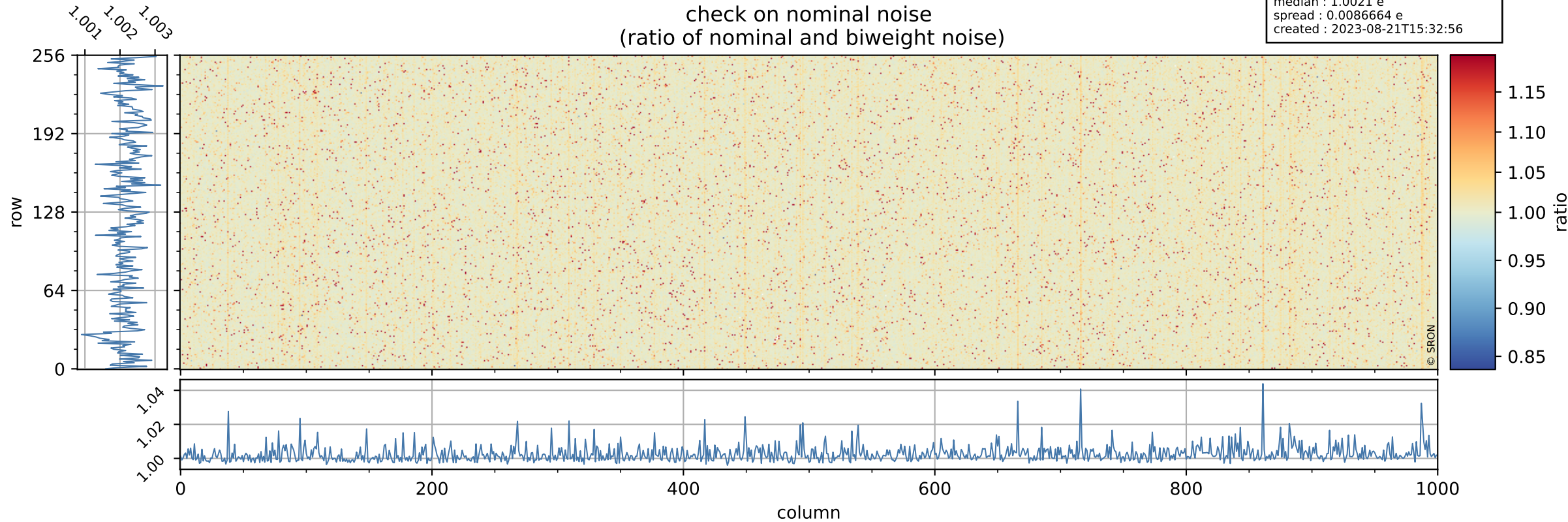
orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
median : 0.99925 e  
spread : 0.009012 e  
created : 2023-08-21T15:32:56



# Tropomi SWIR background noise (swir)

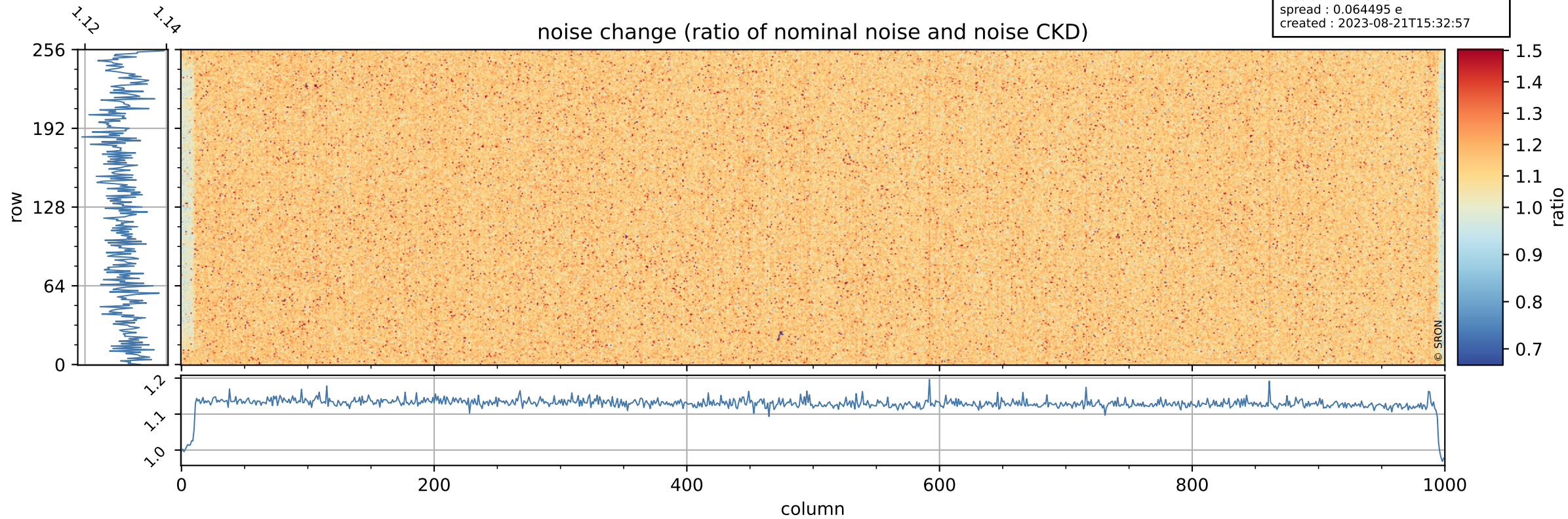
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
median : 1.0021 e  
spread : 0.0086664 e  
created : 2023-08-21T15:32:56



# Tropomi SWIR background noise (swir)

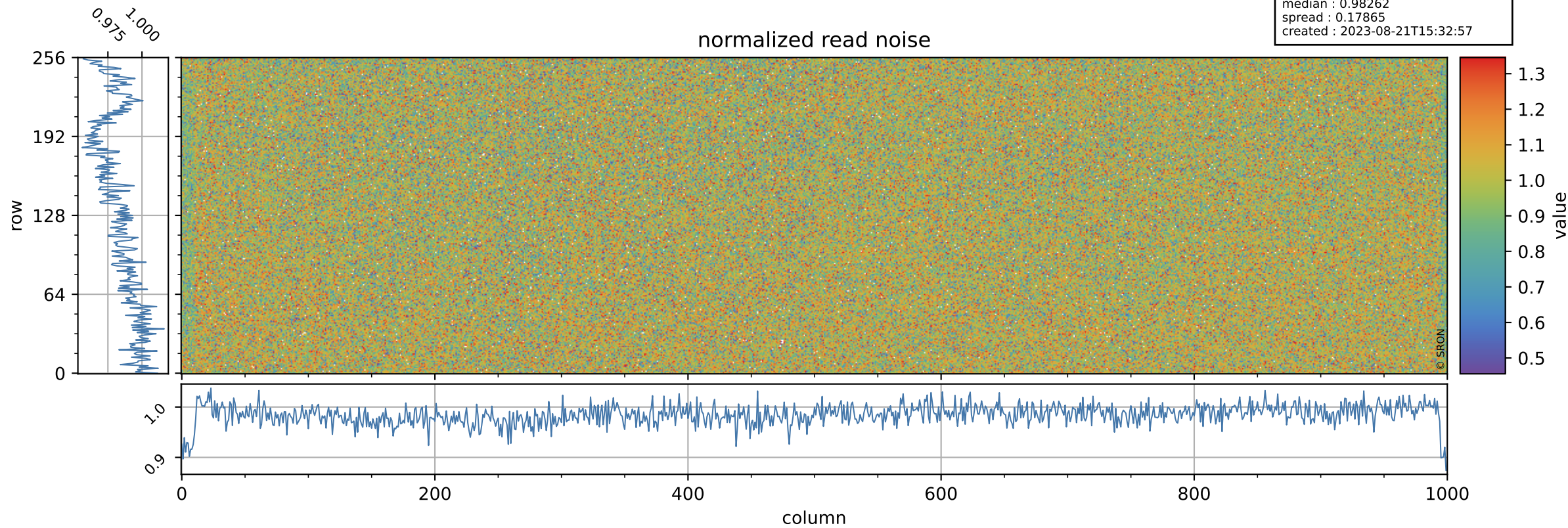
orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
median : 1.1287 e  
spread : 0.064495 e  
created : 2023-08-21T15:32:57



# Tropomi SWIR background noise (swir)

orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
median : 0.98262  
spread : 0.17865  
created : 2023-08-21T15:32:57

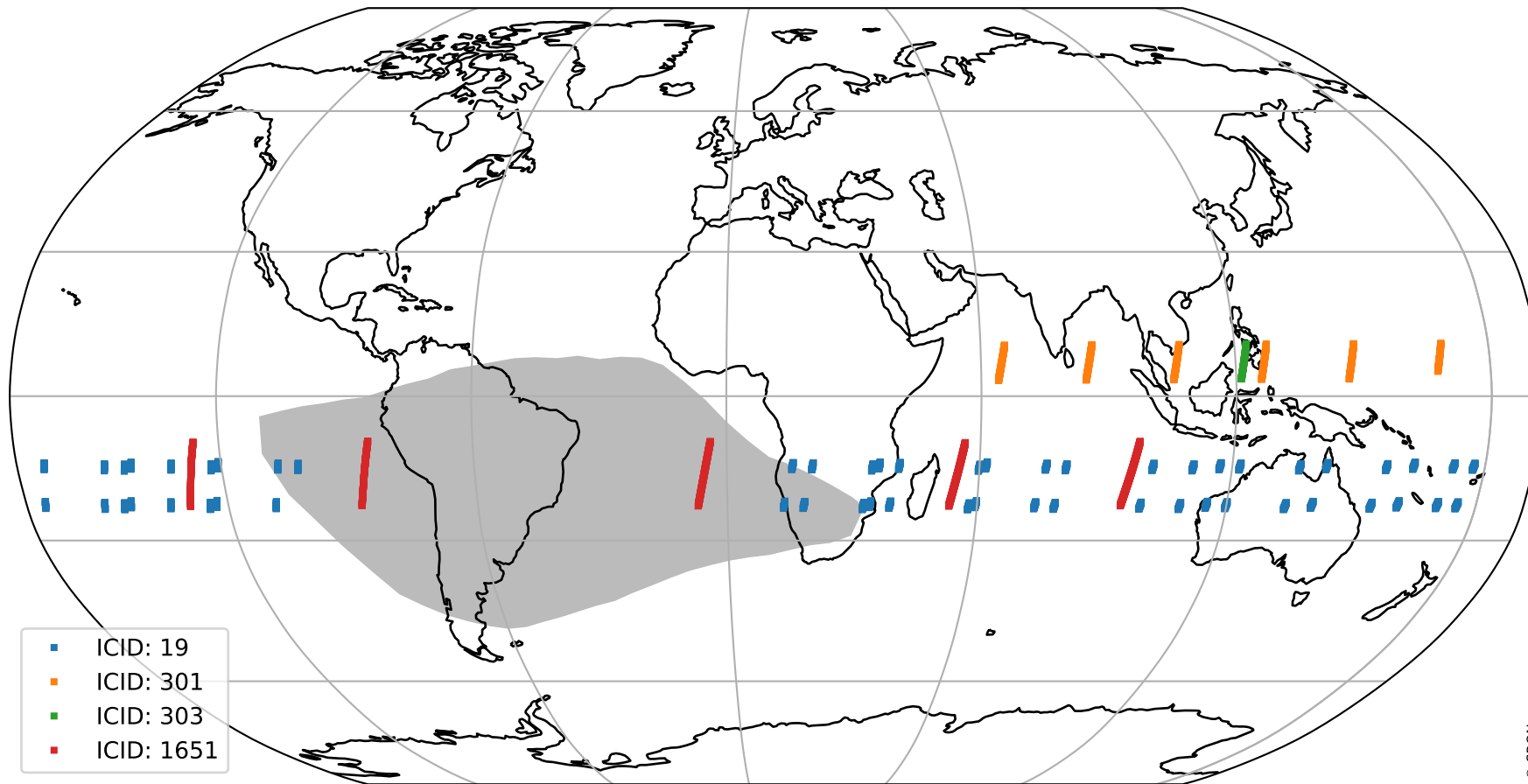
normalized read noise





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

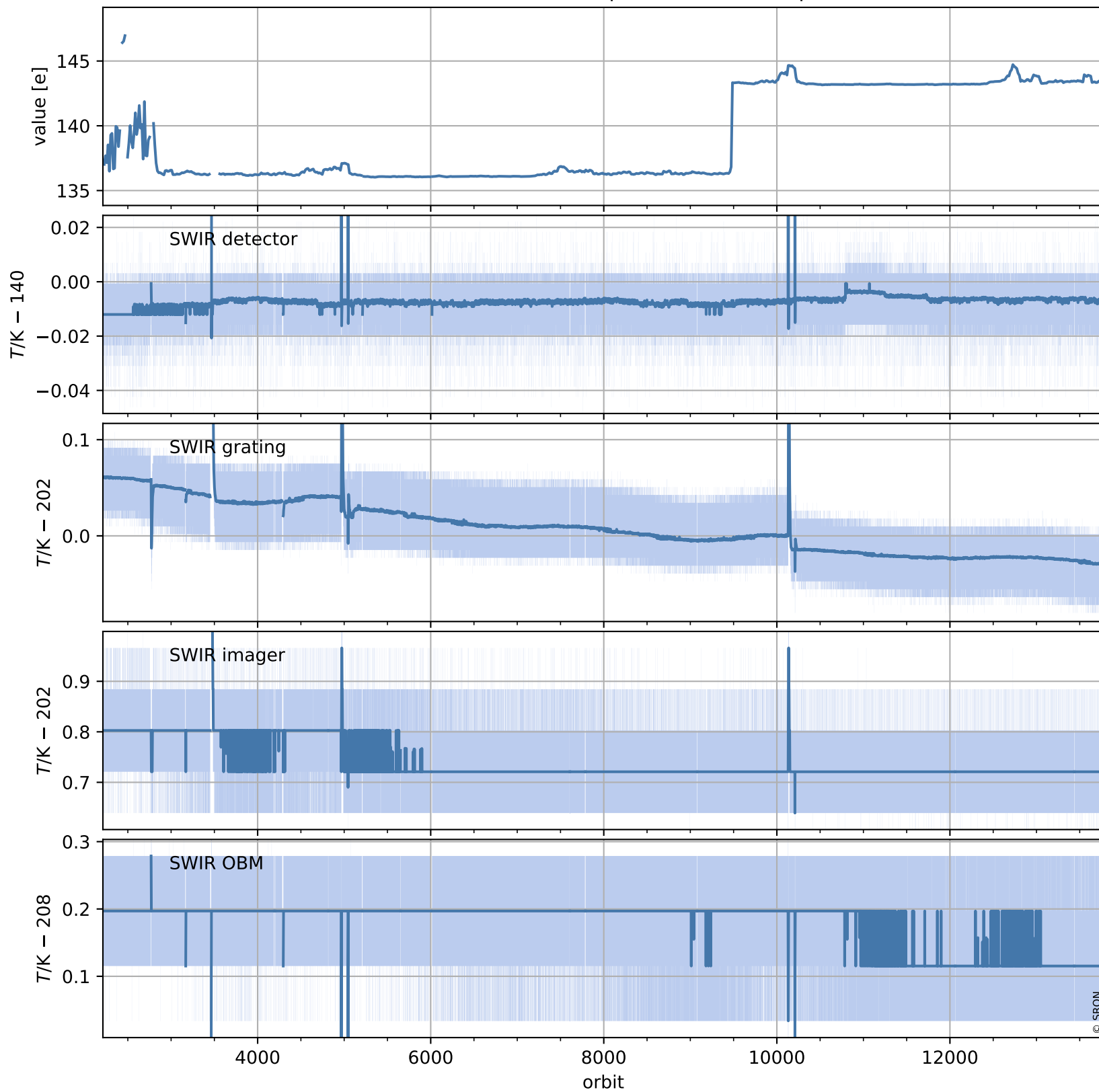
orbits : 12 in [13702, 13777]  
coverage : 2020-06-04 / 2020-06-09  
created : 2023-08-21T15:32:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 13777]  
coverage : 2018-03-18 / 2020-06-09  
created : 2023-08-21T15:32:58

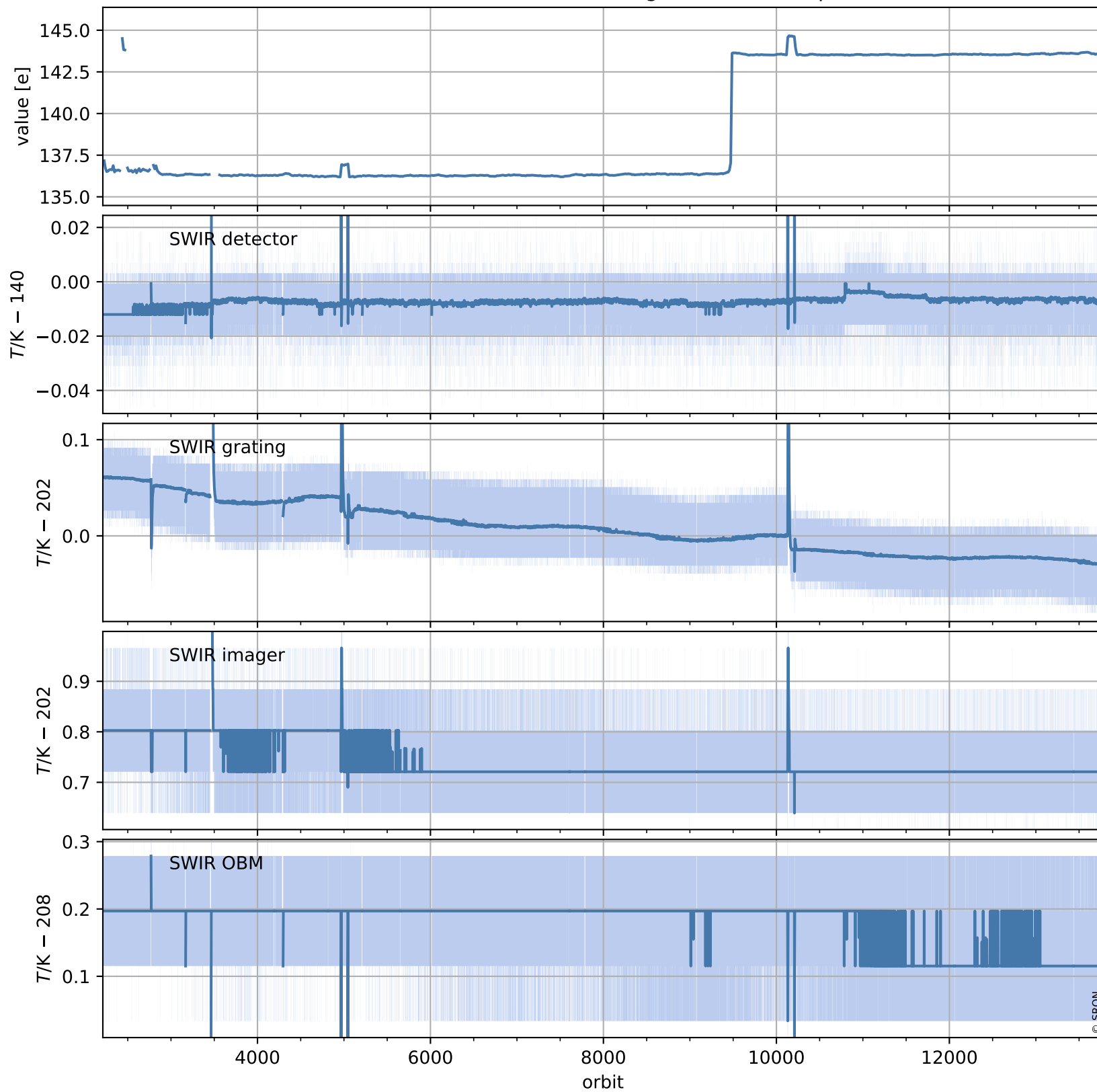
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13777]  
coverage : 2018-03-18 / 2020-06-09  
created : 2023-08-21T15:32:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13777]  
coverage : 2018-03-18 / 2020-06-09  
created : 2023-08-21T15:32:59

## trend of normalized read-noise & temperatures

