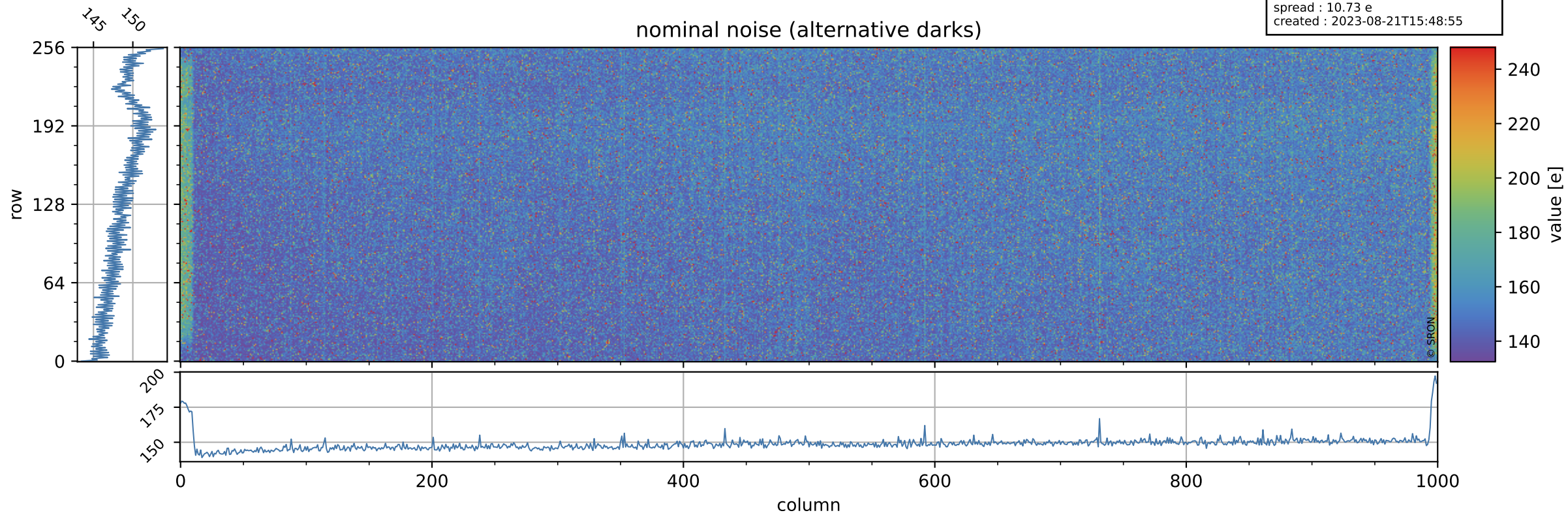


# Tropomi SWIR background noise (swir)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.73 e  
created : 2023-08-21T15:48:55

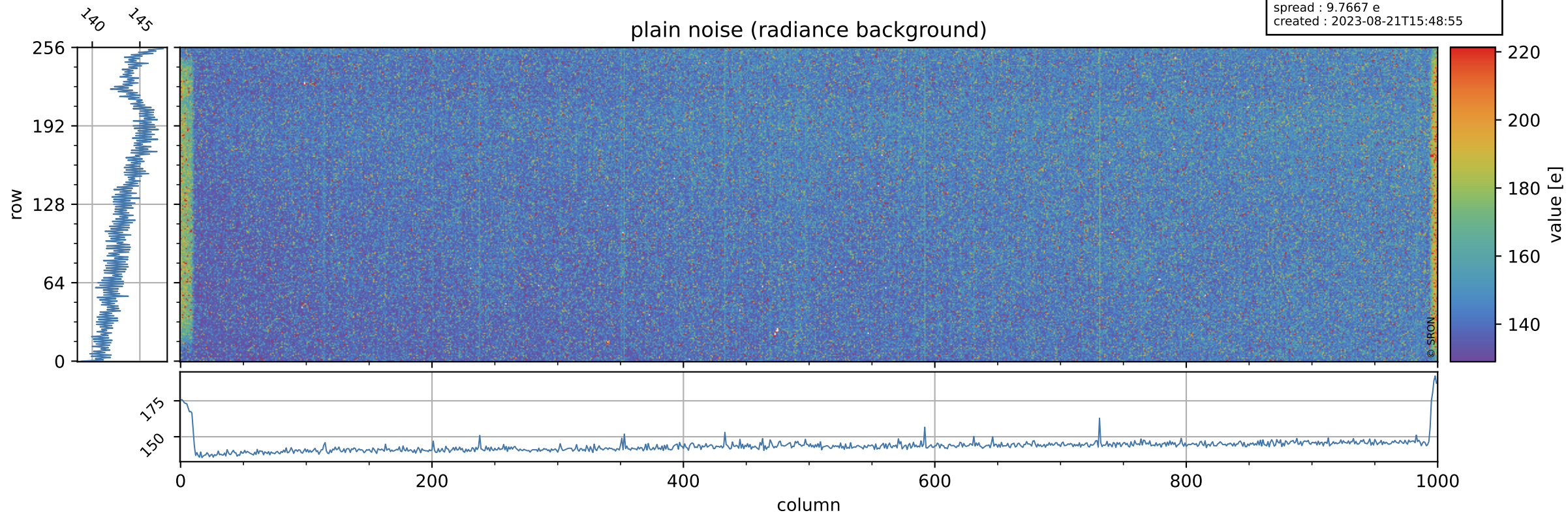
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7667 e  
created : 2023-08-21T15:48:55

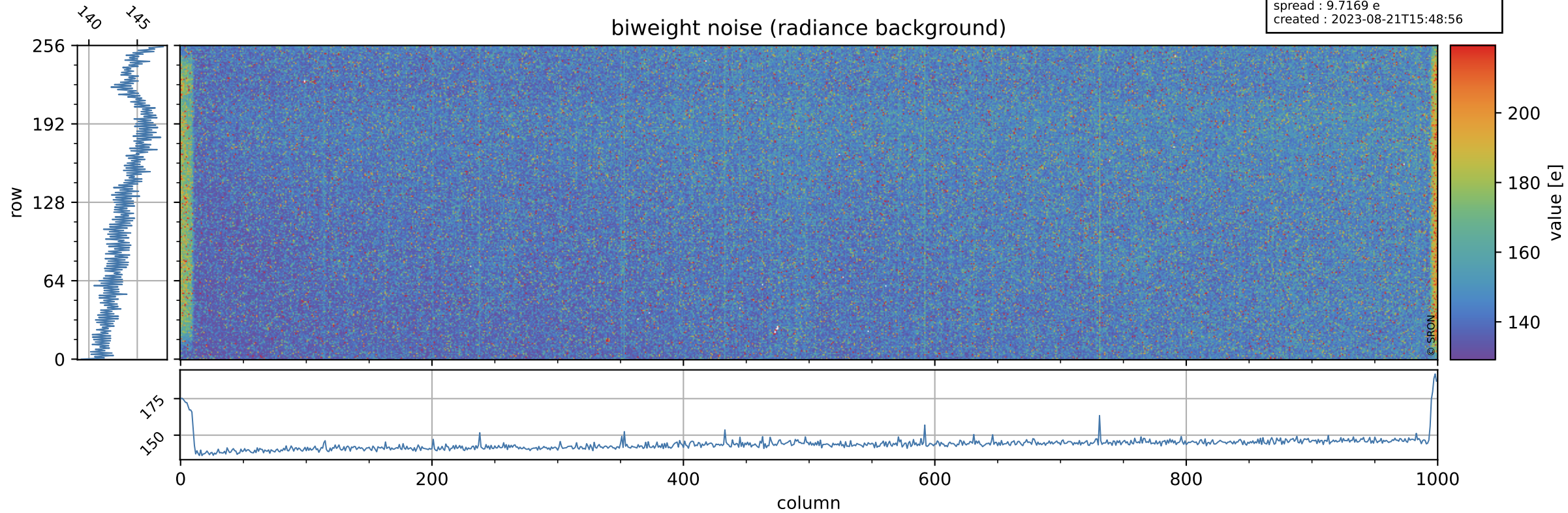
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7169 e  
created : 2023-08-21T15:48:56

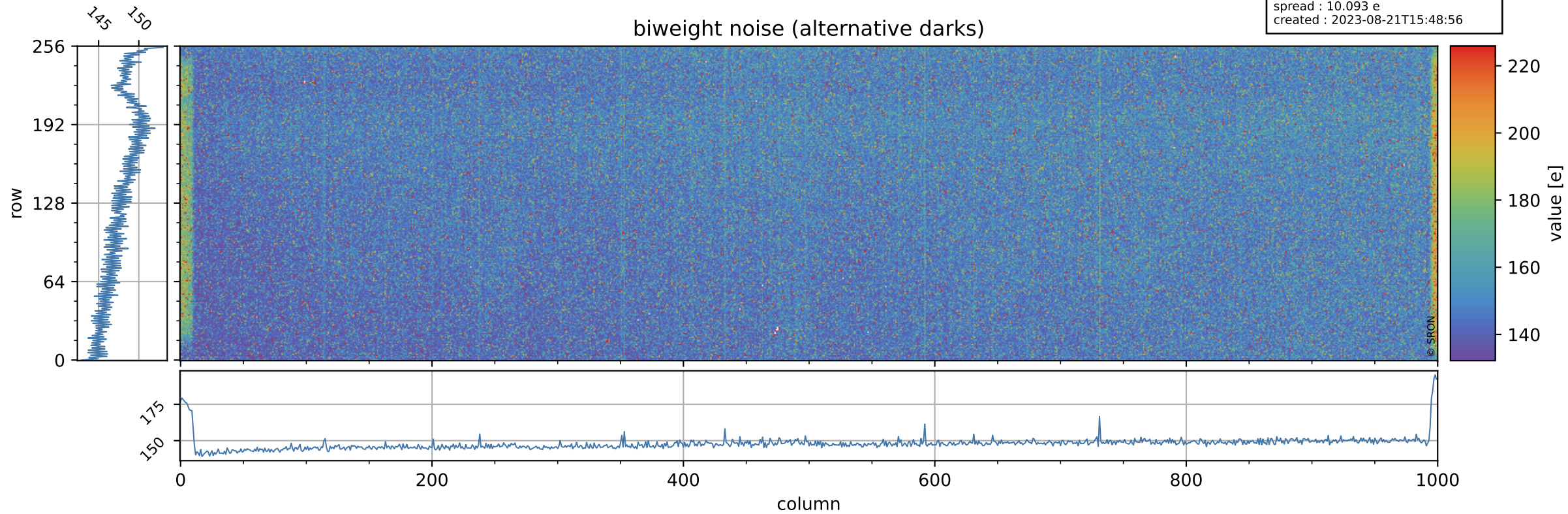
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.093 e  
created : 2023-08-21T15:48:56

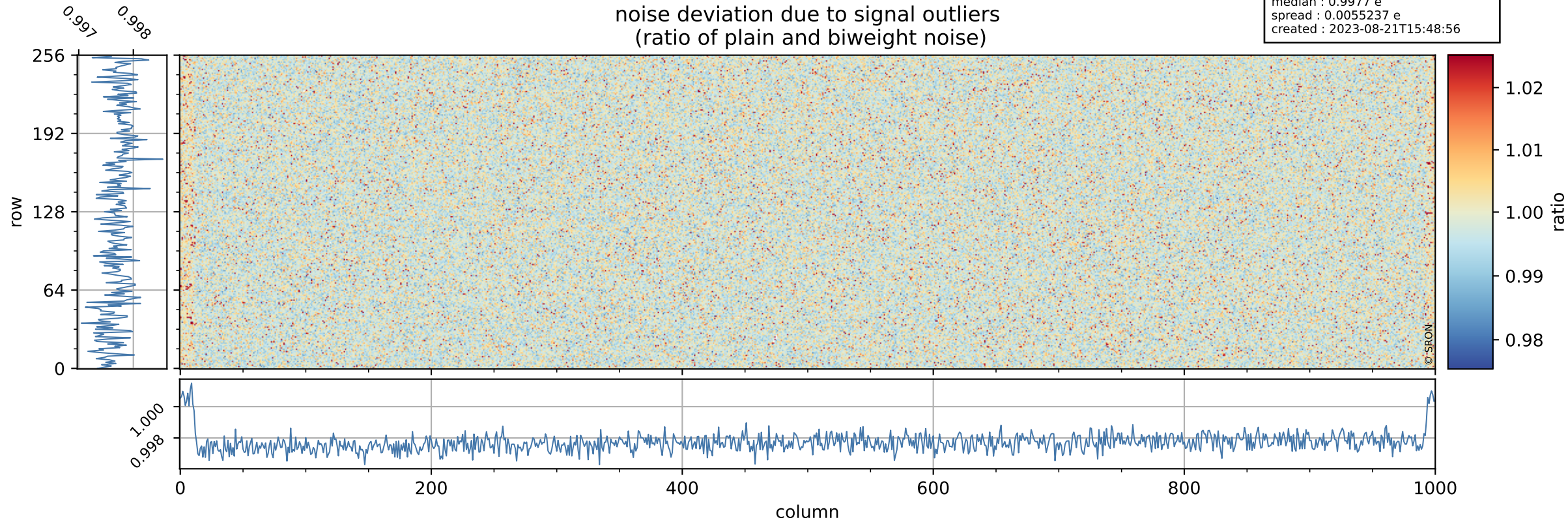
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

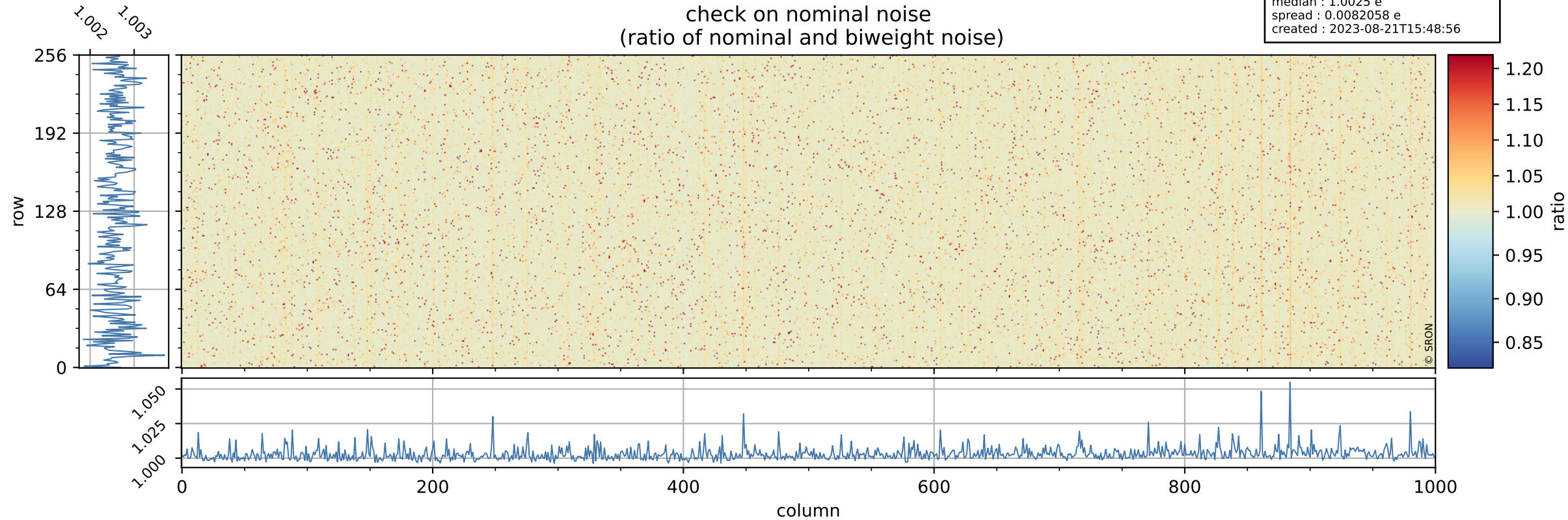
orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
median : 0.9977 e  
spread : 0.0055237 e  
created : 2023-08-21T15:48:56



# Tropomi SWIR background noise (swir)

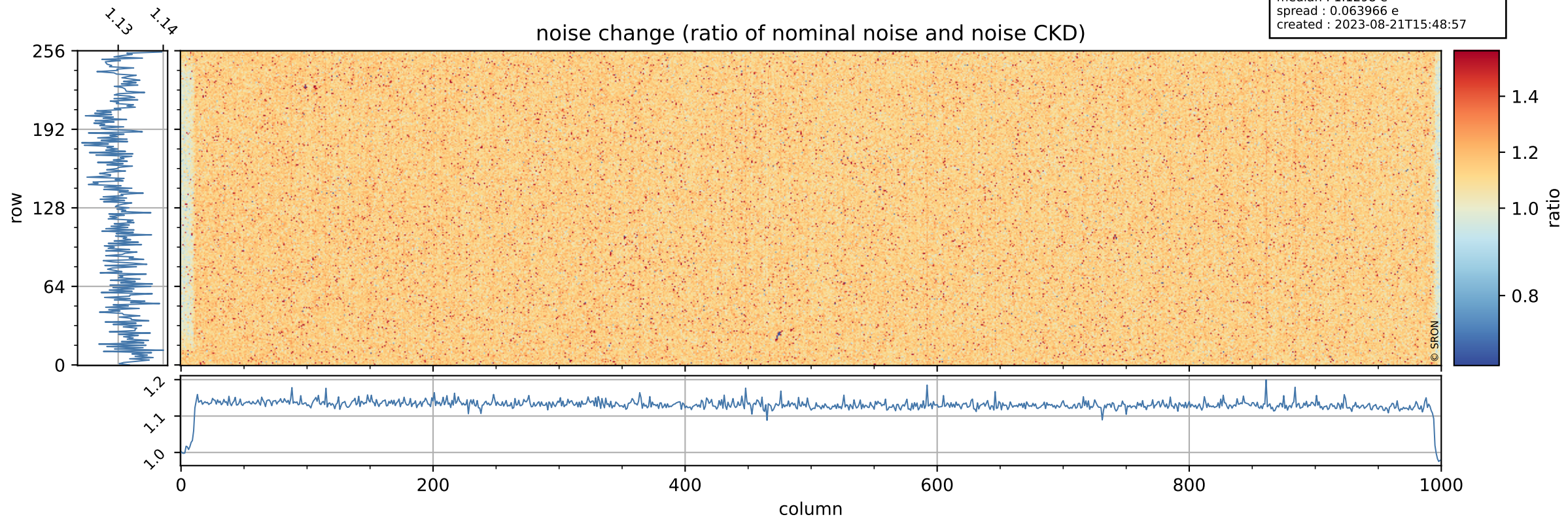
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
median : 1.0025 e  
spread : 0.0082058 e  
created : 2023-08-21T15:48:56



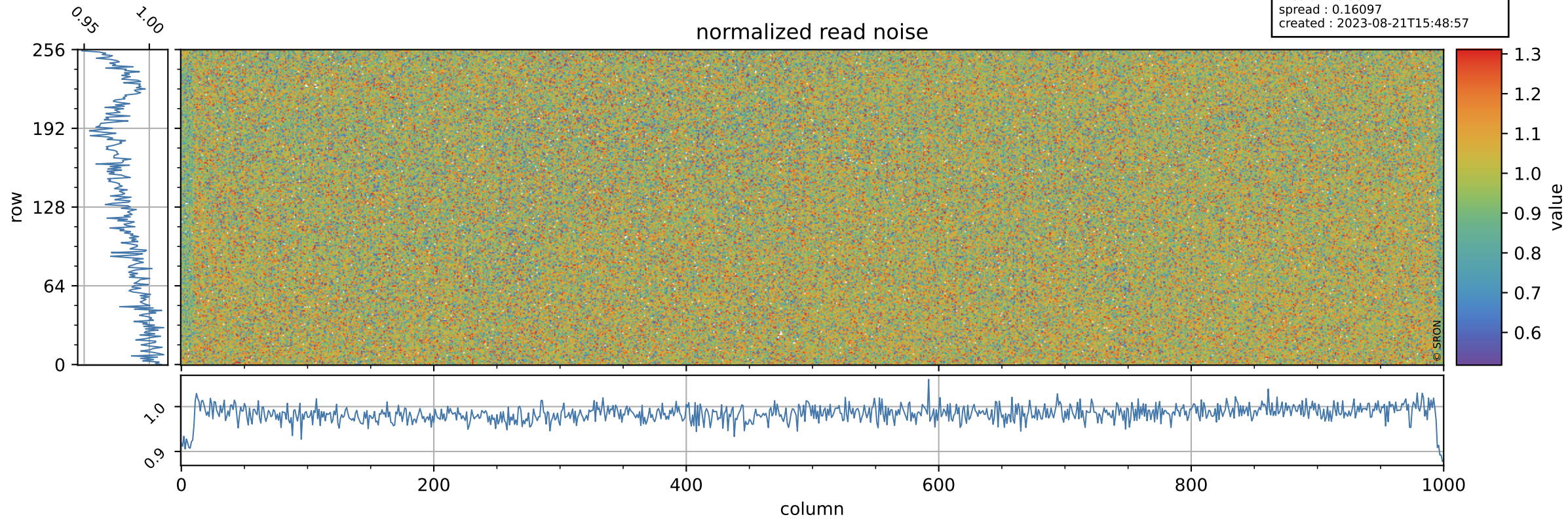
# Tropomi SWIR background noise (swir)

orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
median : 1.1298 e  
spread : 0.063966 e  
created : 2023-08-21T15:48:57



# Tropomi SWIR background noise (swir)

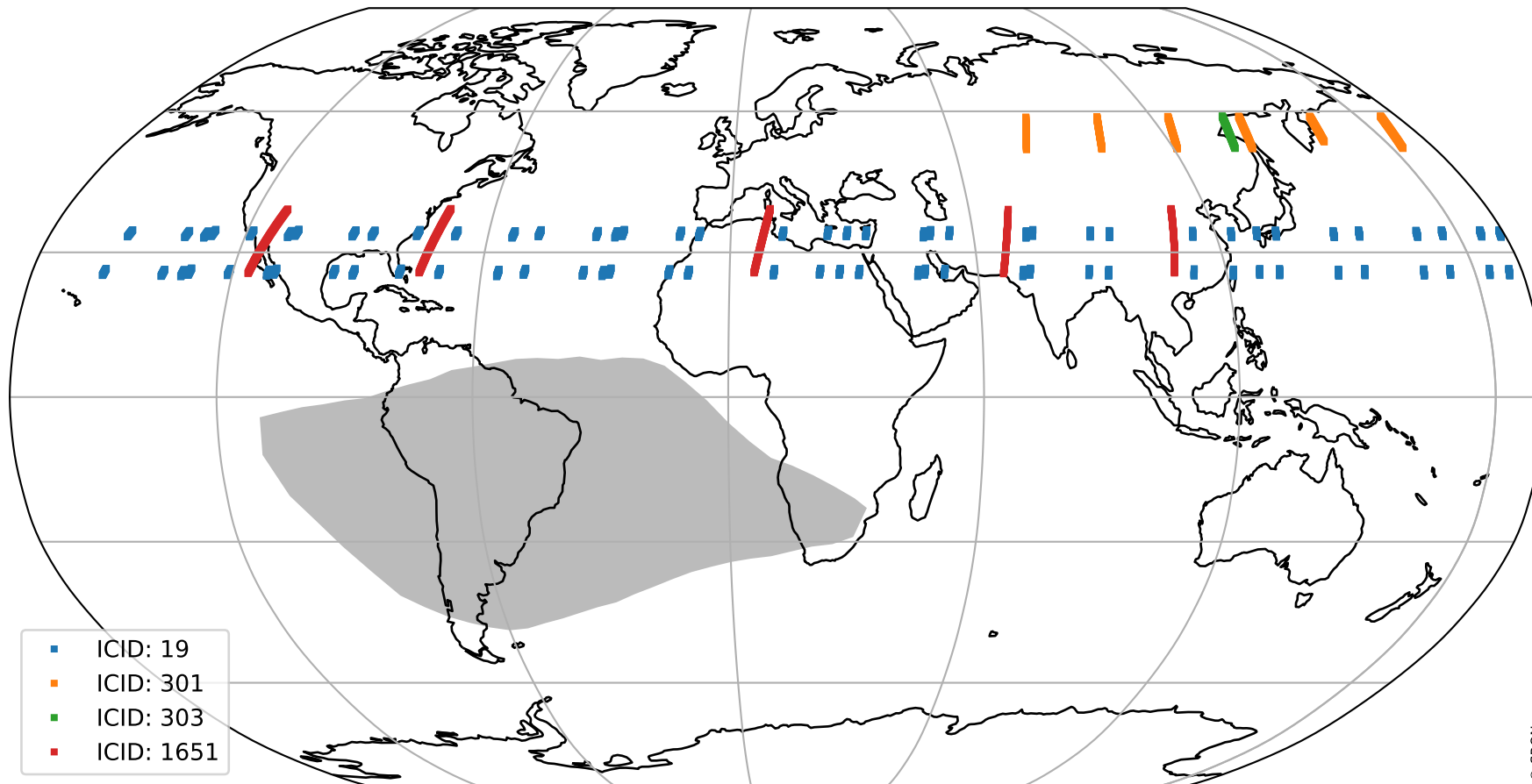
orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
median : 0.98241  
spread : 0.16097  
created : 2023-08-21T15:48:57





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

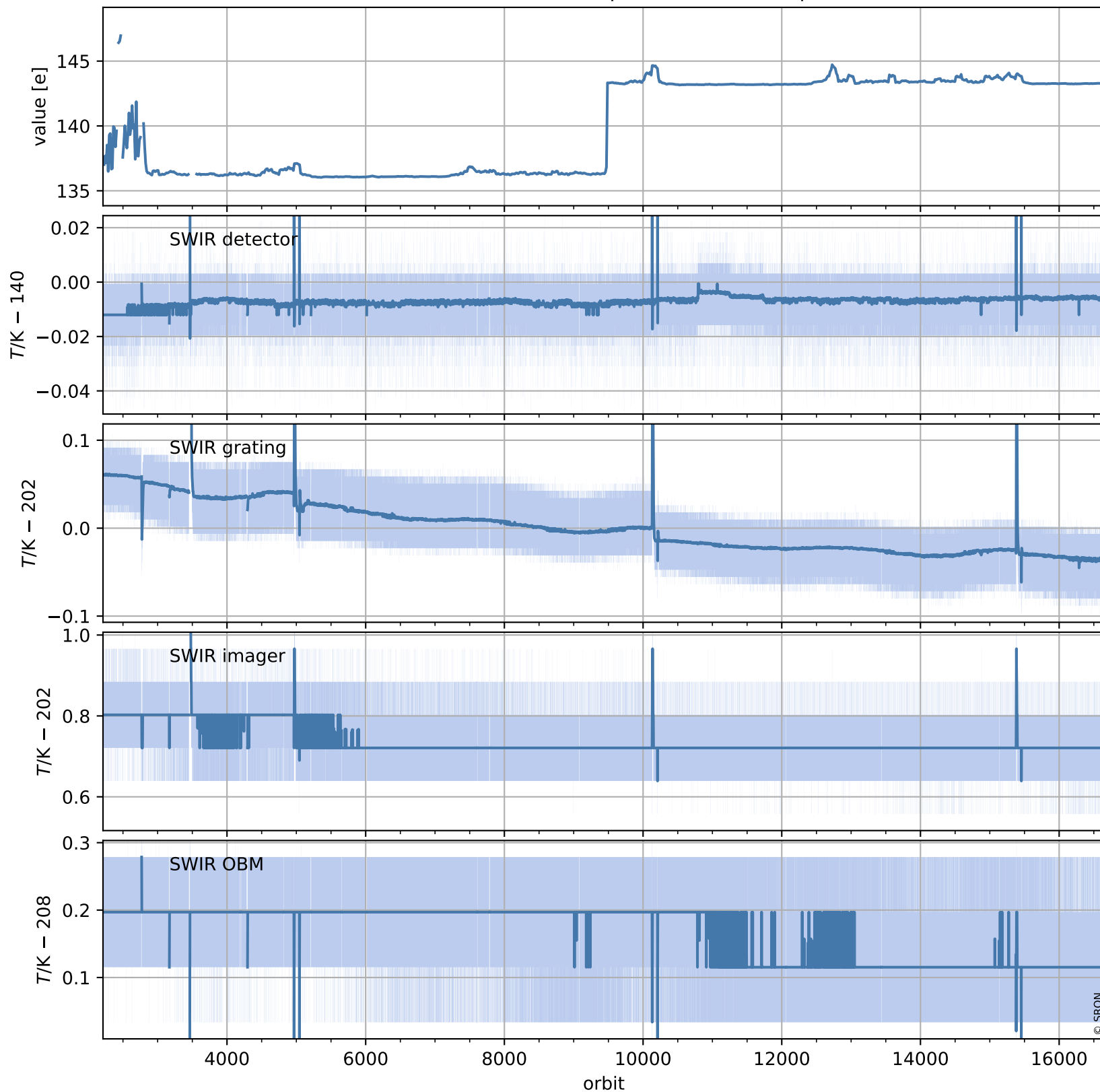
orbits : 12 in [16582, 16657]  
coverage : 2020-12-24 / 2020-12-29  
created : 2023-08-21T15:48:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 16657]  
coverage : 2018-03-18 / 2020-12-29  
created : 2023-08-21T15:48:58

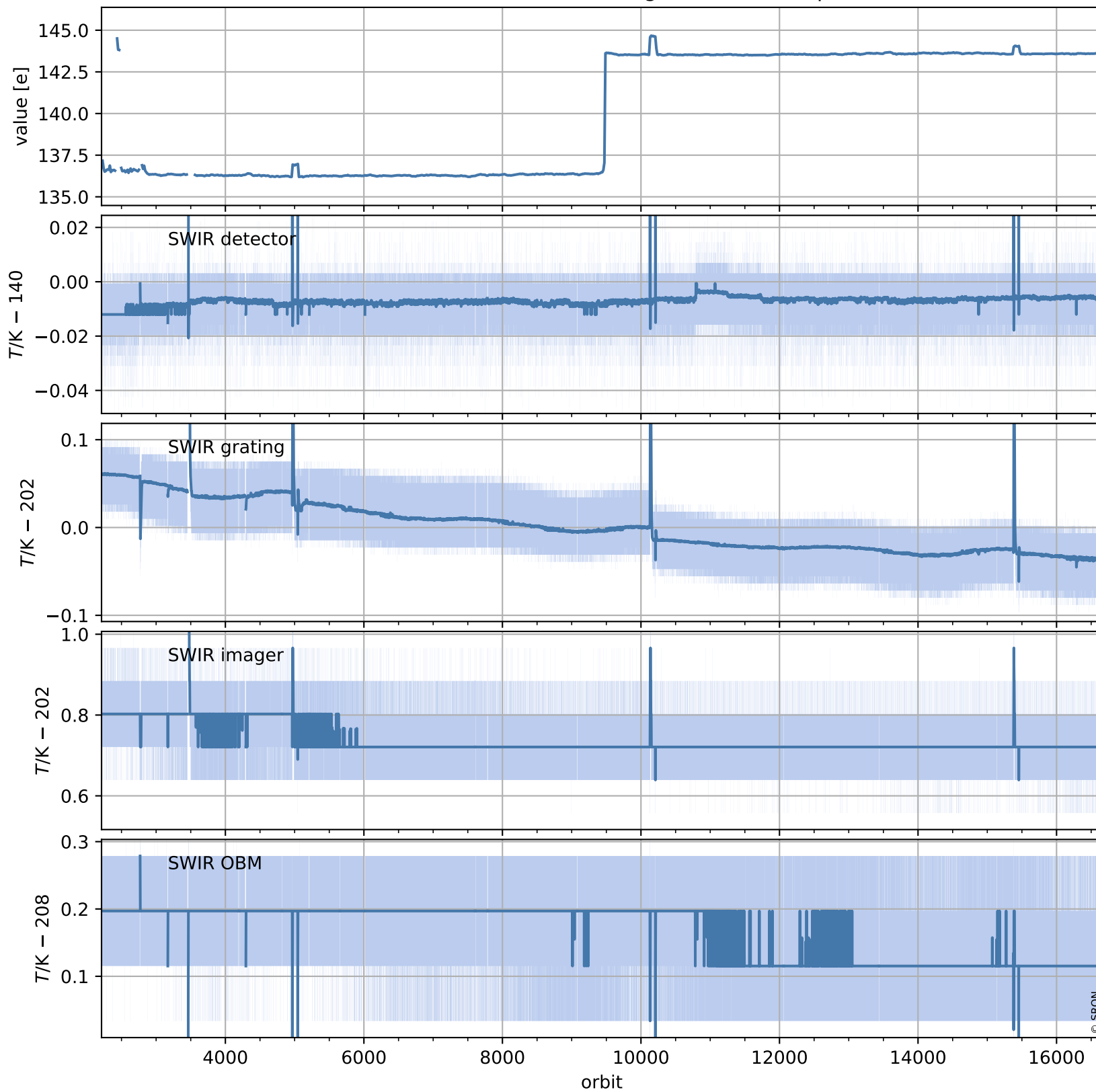
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16657]  
coverage : 2018-03-18 / 2020-12-29  
created : 2023-08-21T15:48:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16657]  
coverage : 2018-03-18 / 2020-12-29  
created : 2023-08-21T15:48:59

## trend of normalized read-noise & temperatures

