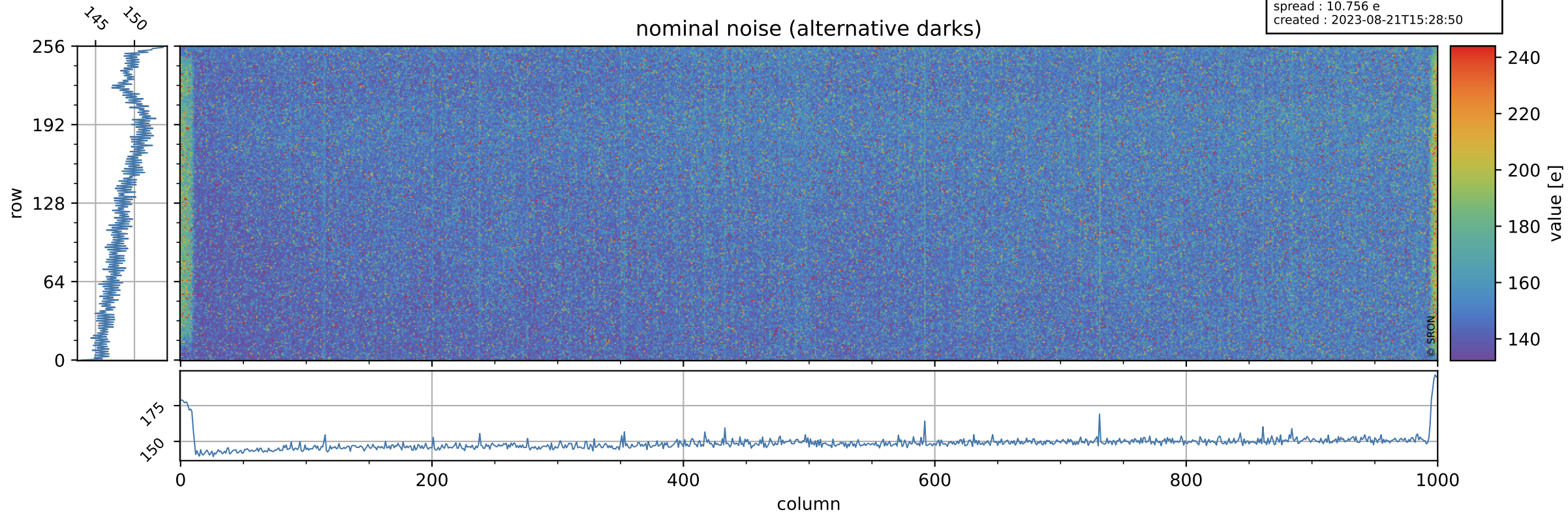


# Tropomi SWIR background noise (swir)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.54 e  
spread : 10.756 e  
created : 2023-08-21T15:28:50

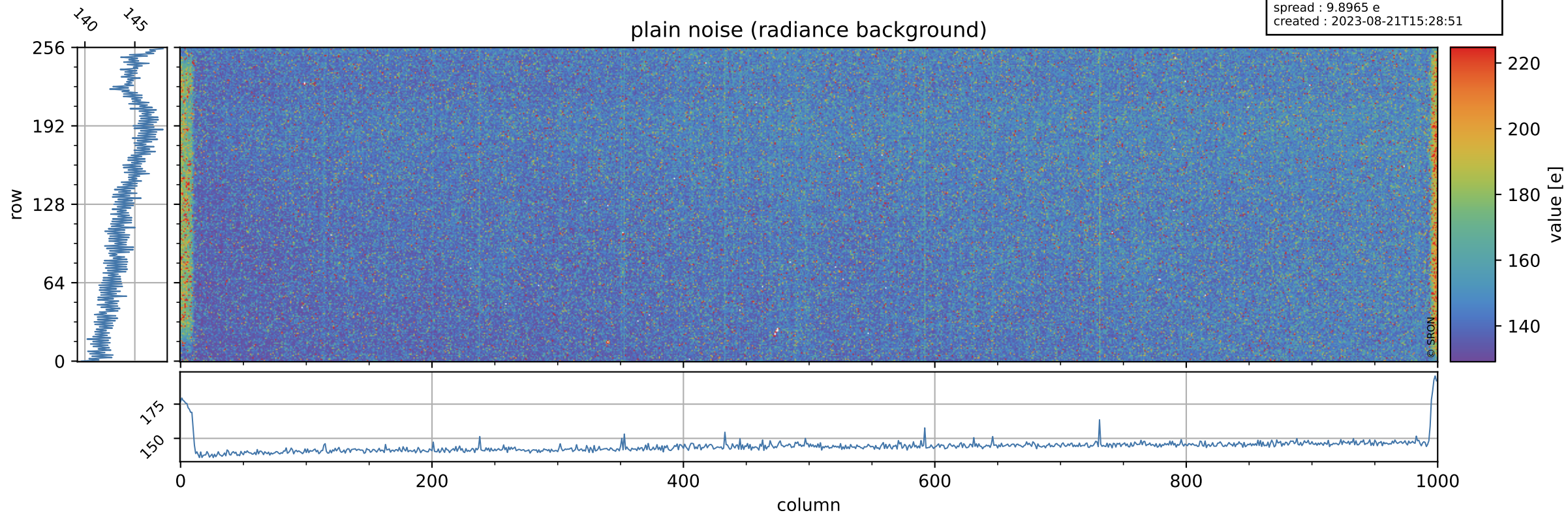
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.95 e  
spread : 9.8965 e  
created : 2023-08-21T15:28:51

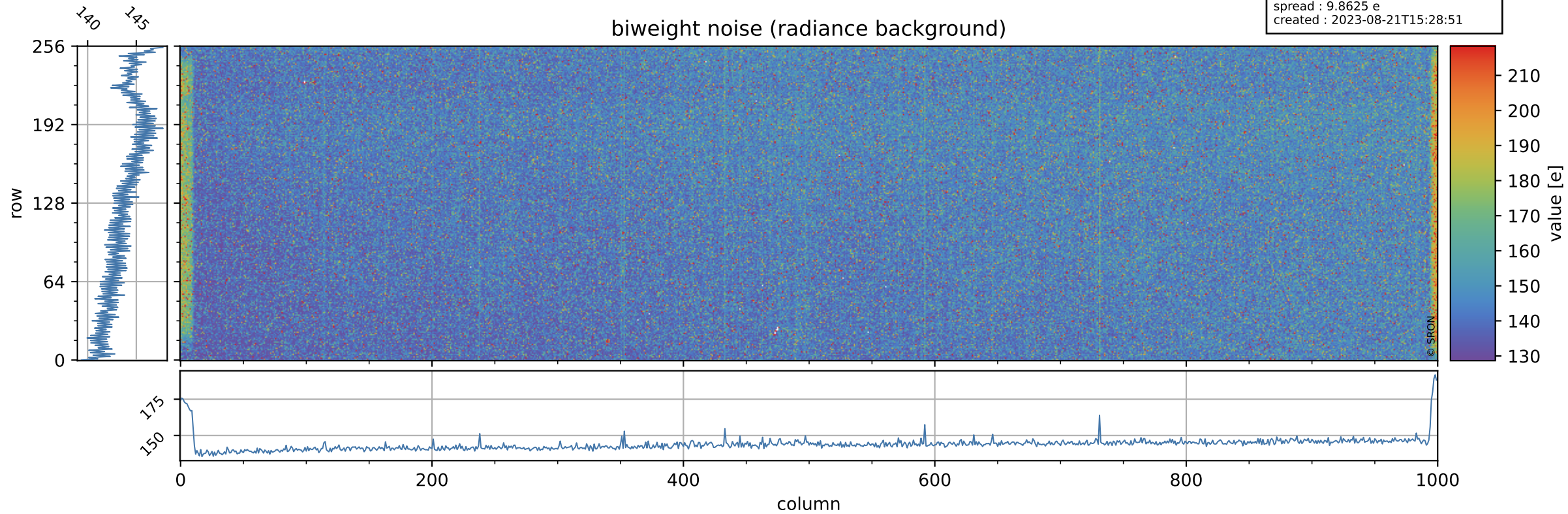
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.8625 e  
created : 2023-08-21T15:28:51

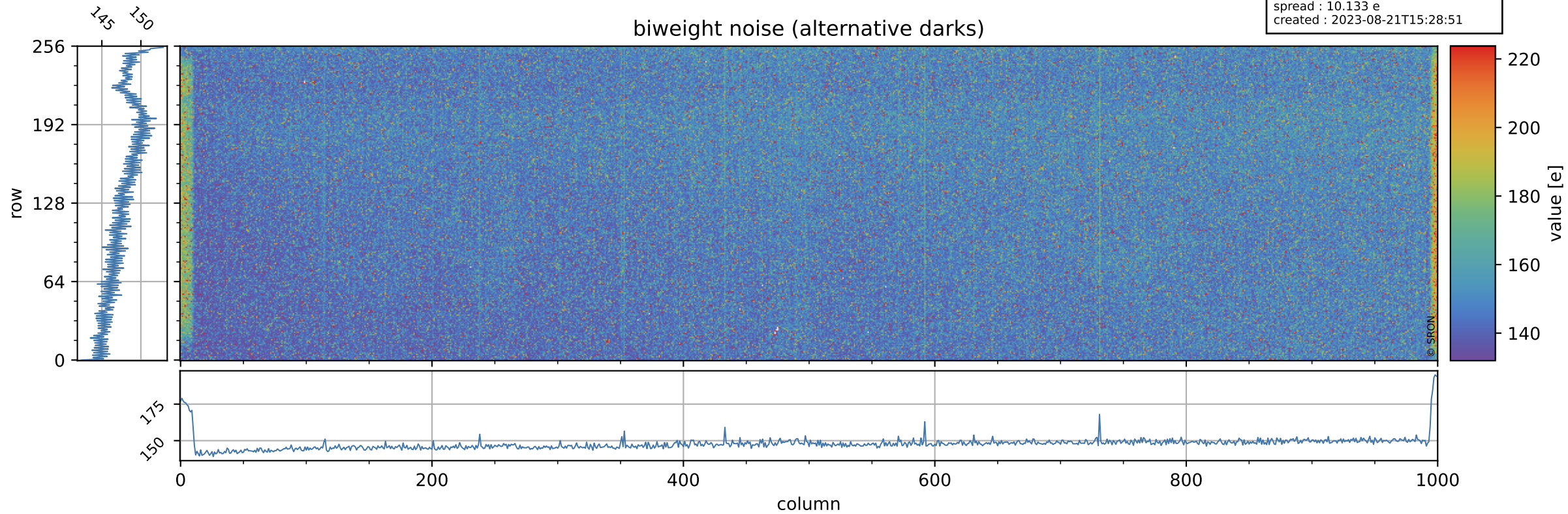
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 10.133 e  
created : 2023-08-21T15:28:51

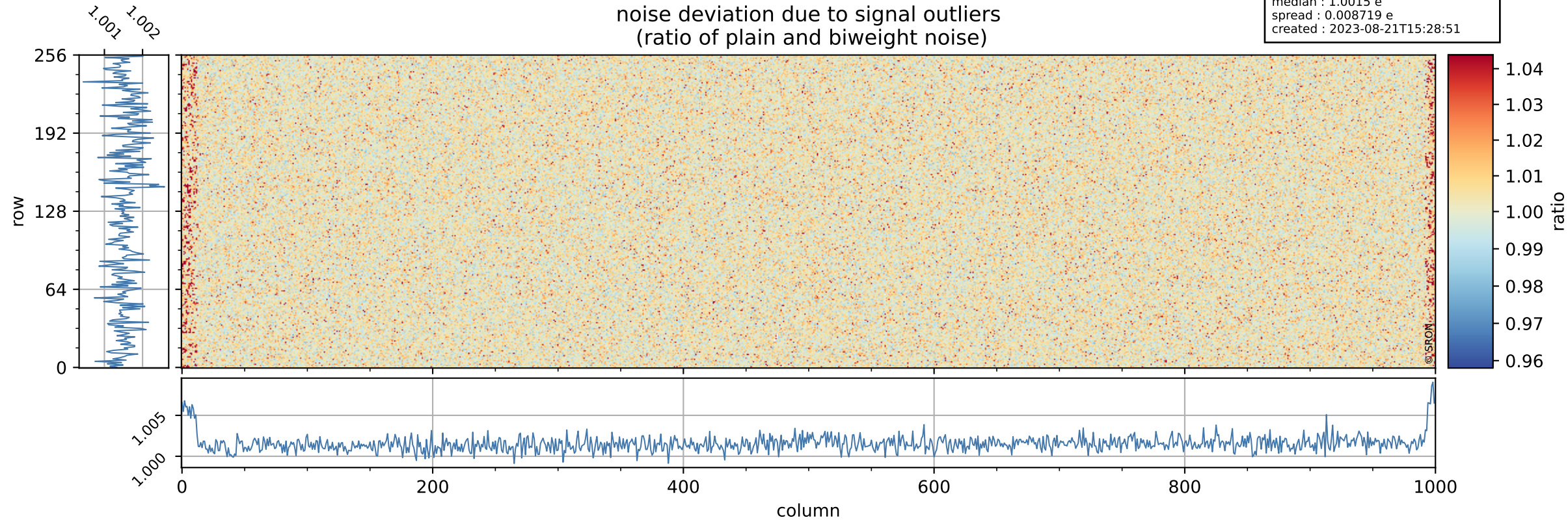
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

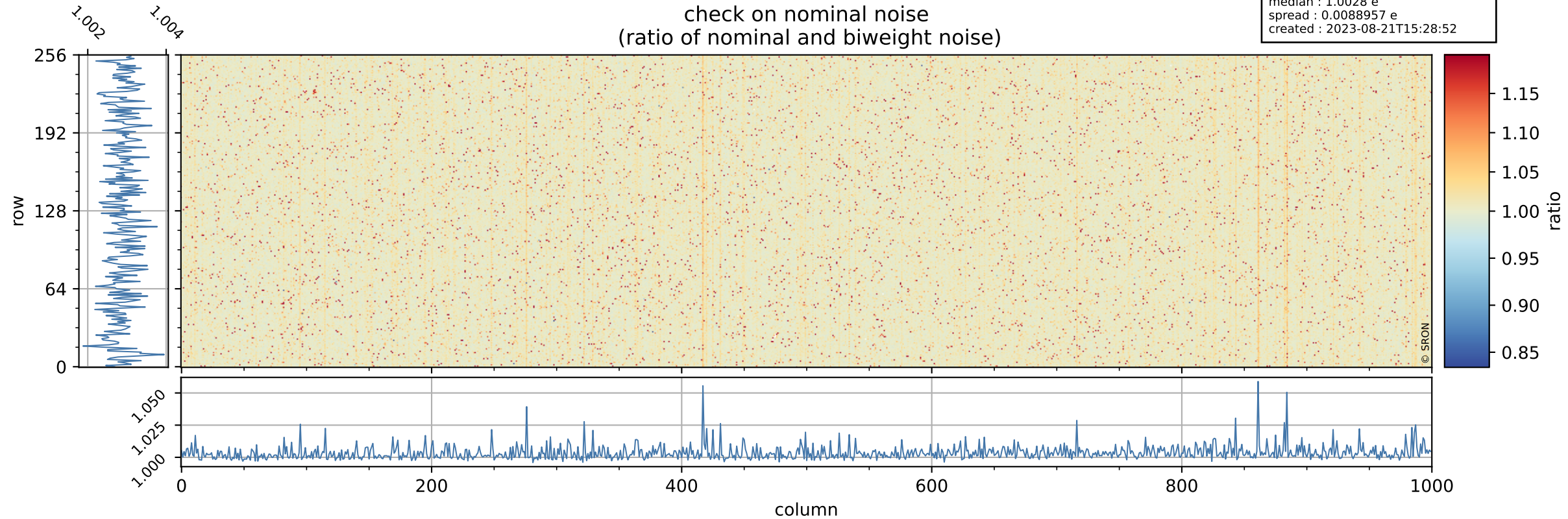
orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
median : 1.0015 e  
spread : 0.008719 e  
created : 2023-08-21T15:28:51



# Tropomi SWIR background noise (swir)

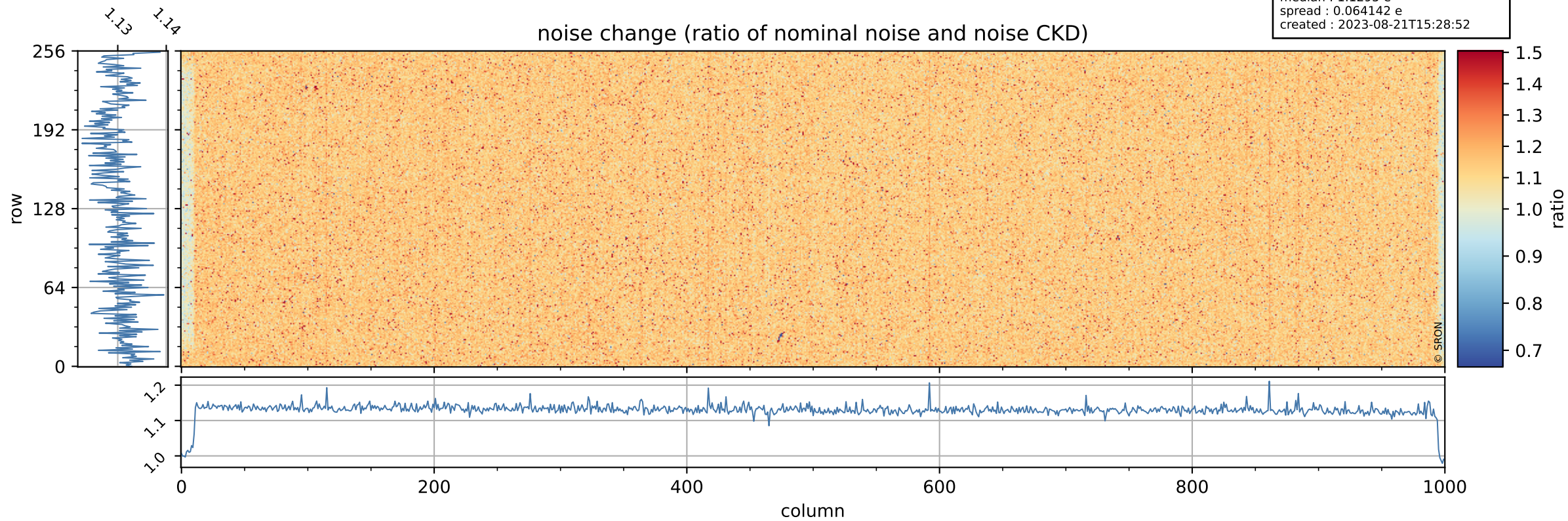
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
median : 1.0028 e  
spread : 0.0088957 e  
created : 2023-08-21T15:28:52



# Tropomi SWIR background noise (swir)

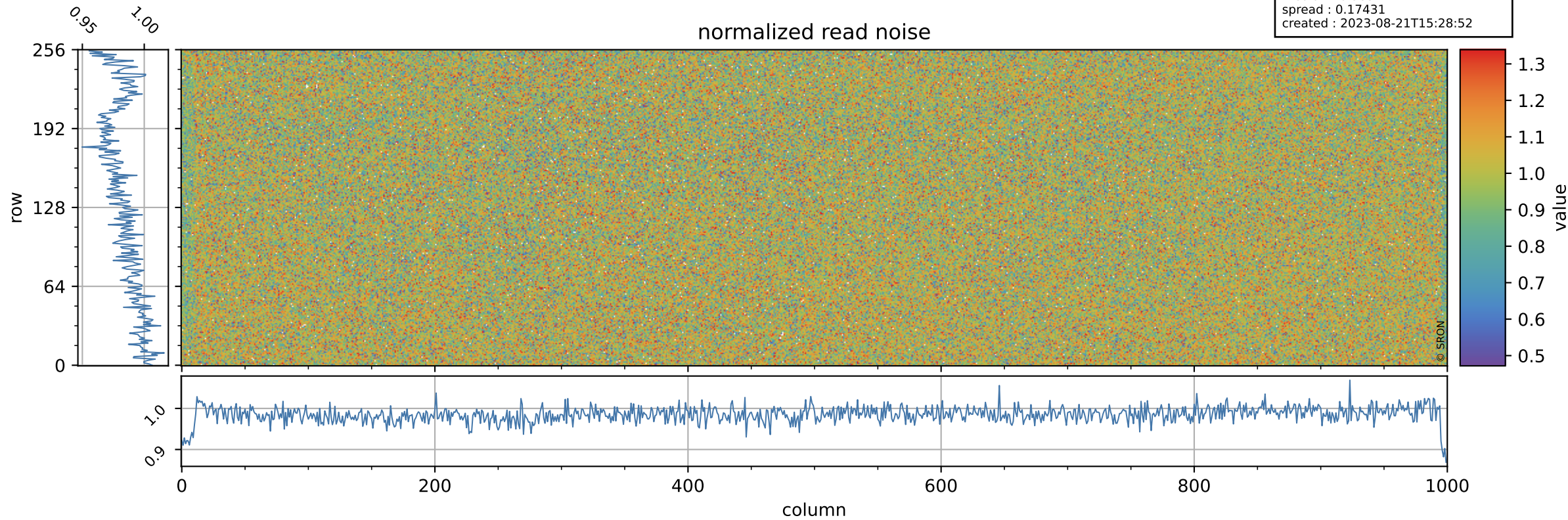
orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
median : 1.1295 e  
spread : 0.064142 e  
created : 2023-08-21T15:28:52



# Tropomi SWIR background noise (swir)

orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
median : 0.98327  
spread : 0.17431  
created : 2023-08-21T15:28:52

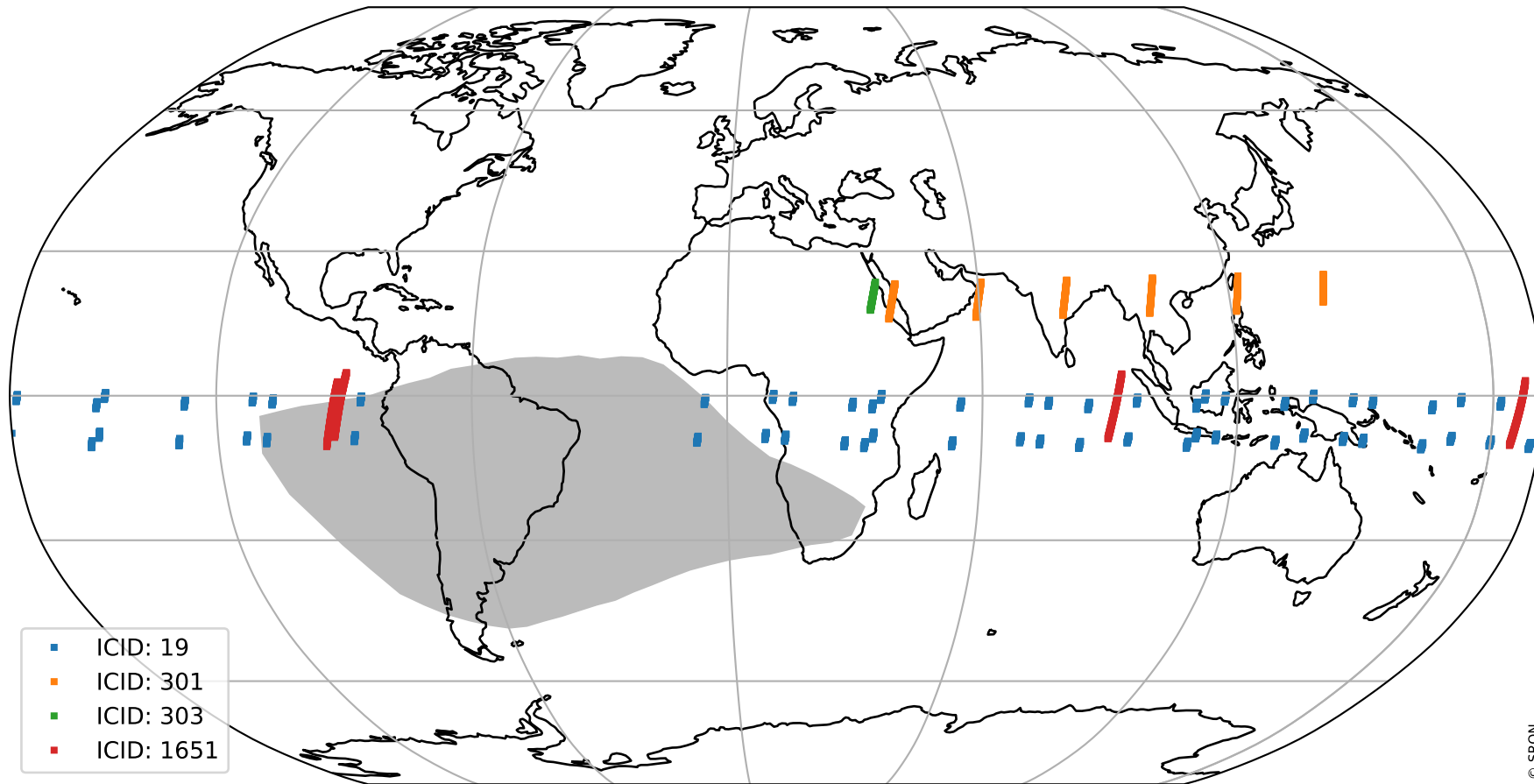
normalized read noise





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

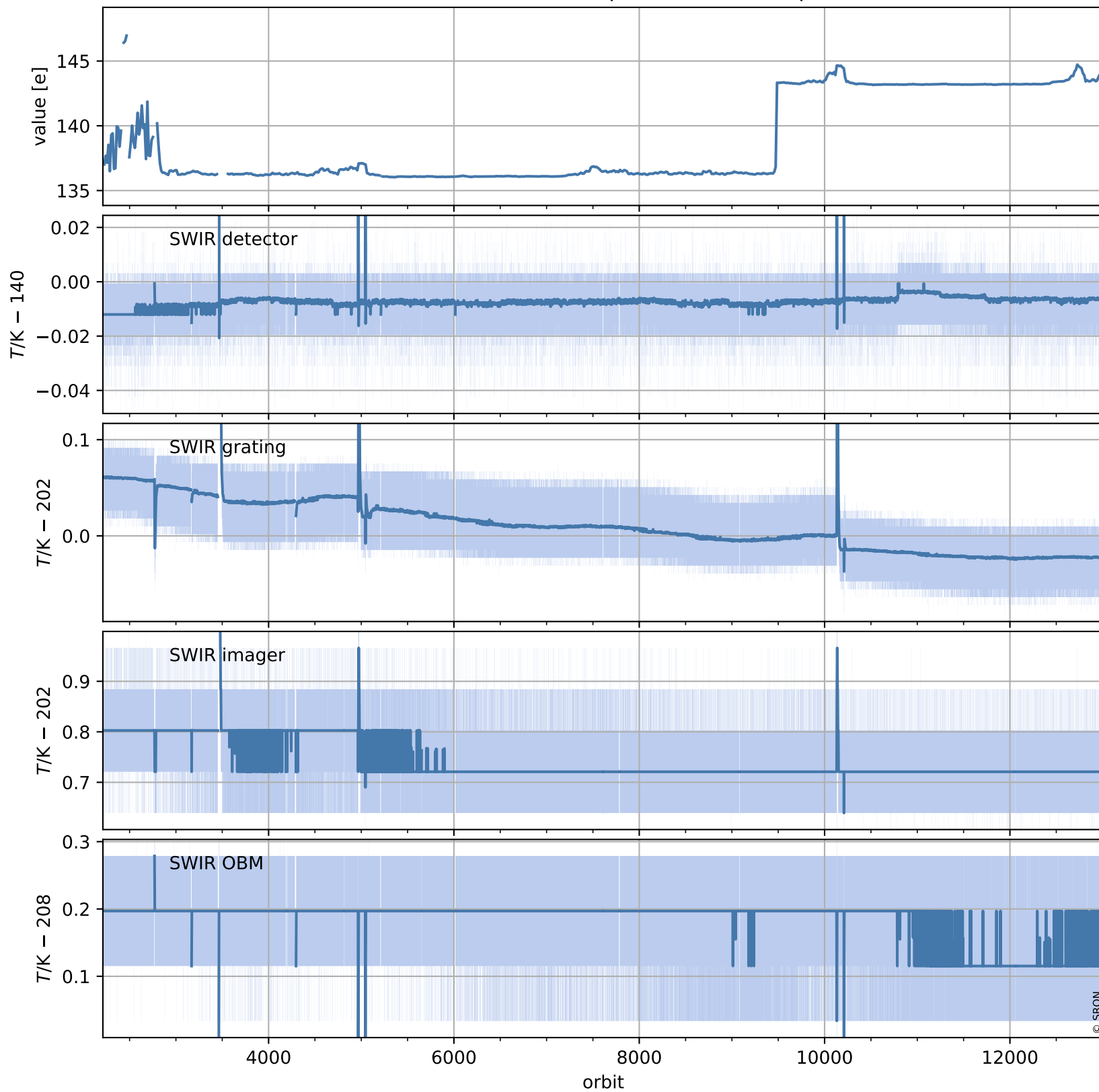
orbits : 12 in [12922, 13012]  
coverage : 2020-04-11 / 2020-04-17  
created : 2023-08-21T15:28:53



# Tropomi SWIR background noise (swir)

orbits : [2212, 13012]  
coverage : 2018-03-18 / 2020-04-17  
created : 2023-08-21T15:28:53

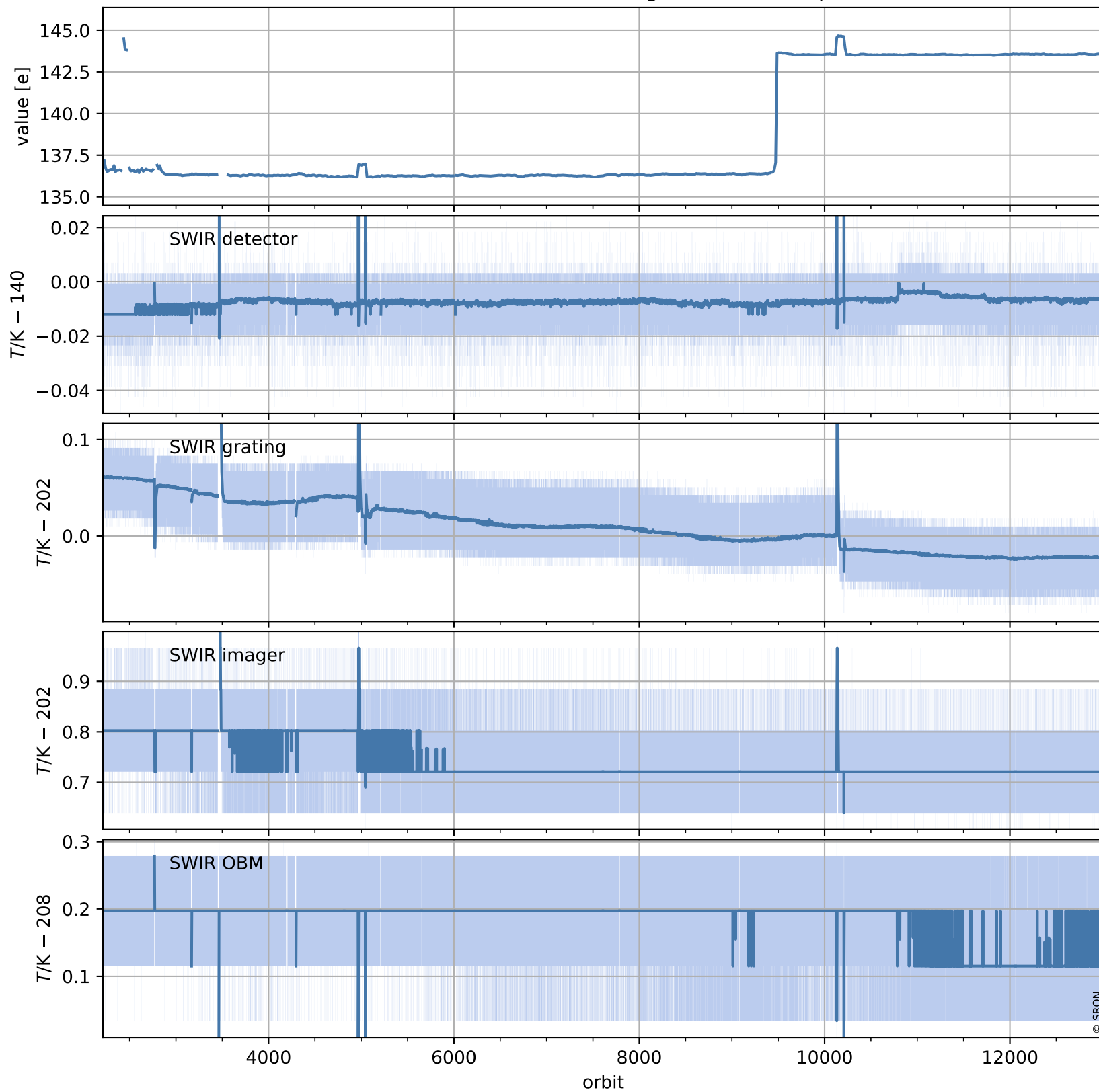
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13012]  
coverage : 2018-03-18 / 2020-04-17  
created : 2023-08-21T15:28:54

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13012]  
coverage : 2018-03-18 / 2020-04-17  
created : 2023-08-21T15:28:54

## trend of normalized read-noise & temperatures

