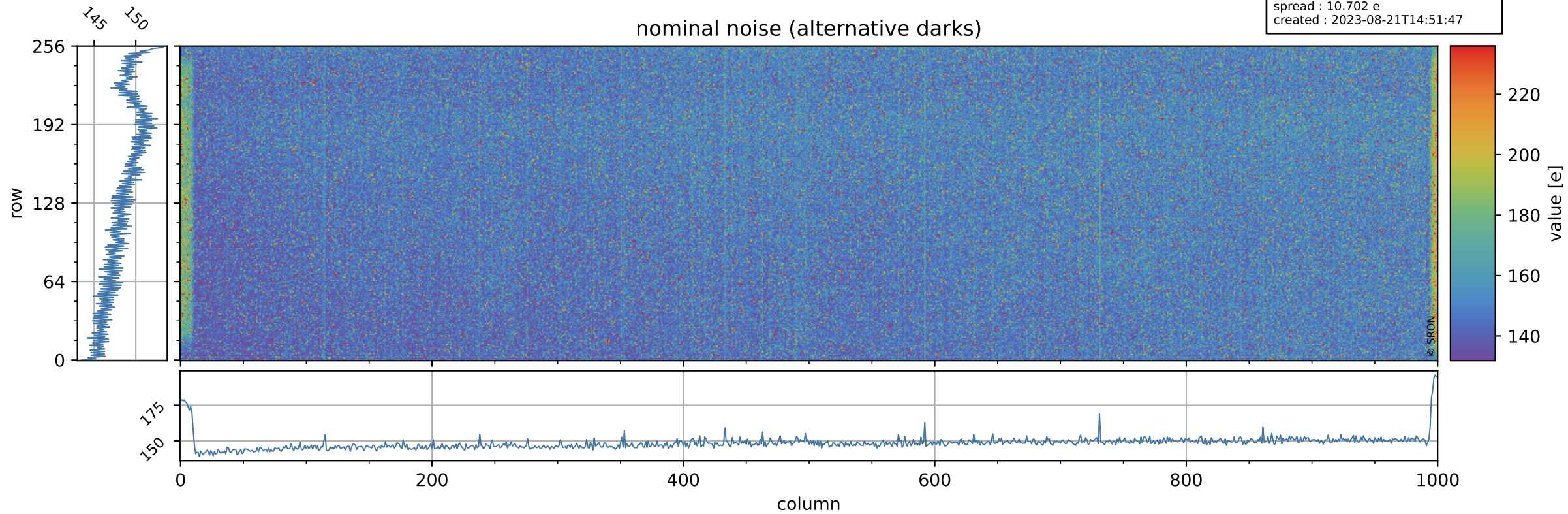


# Tropomi SWIR background noise (swir)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.35 e  
spread : 10.702 e  
created : 2023-08-21T14:51:47

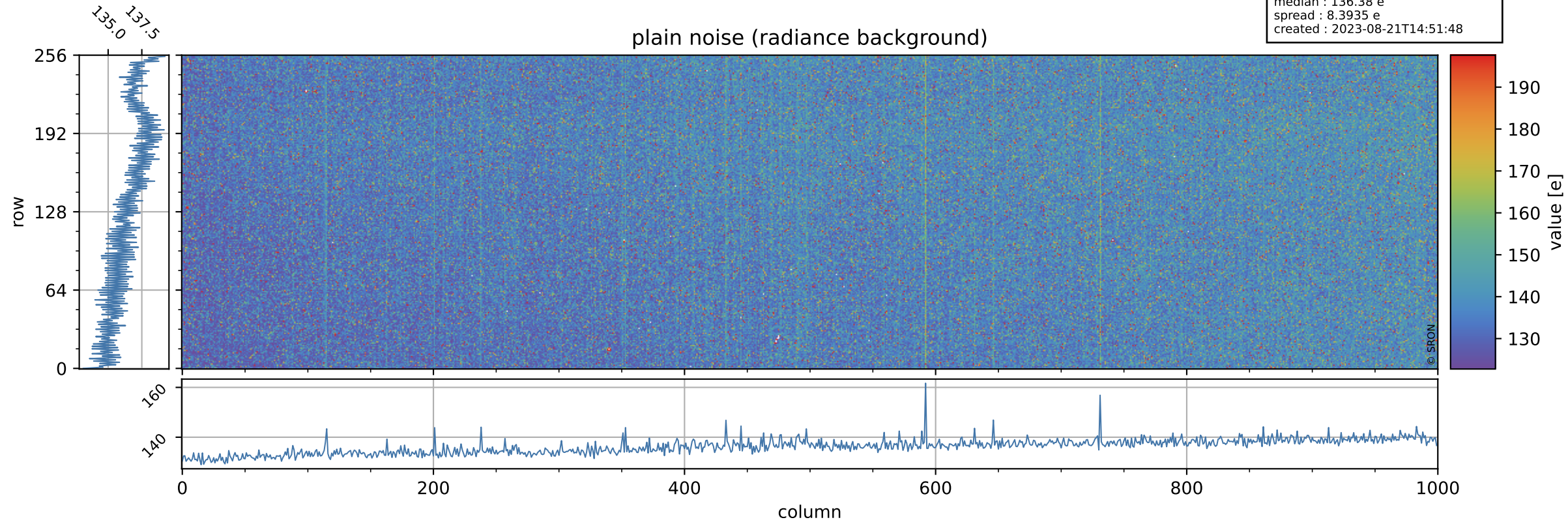
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.38 e  
spread : 8.3935 e  
created : 2023-08-21T14:51:48

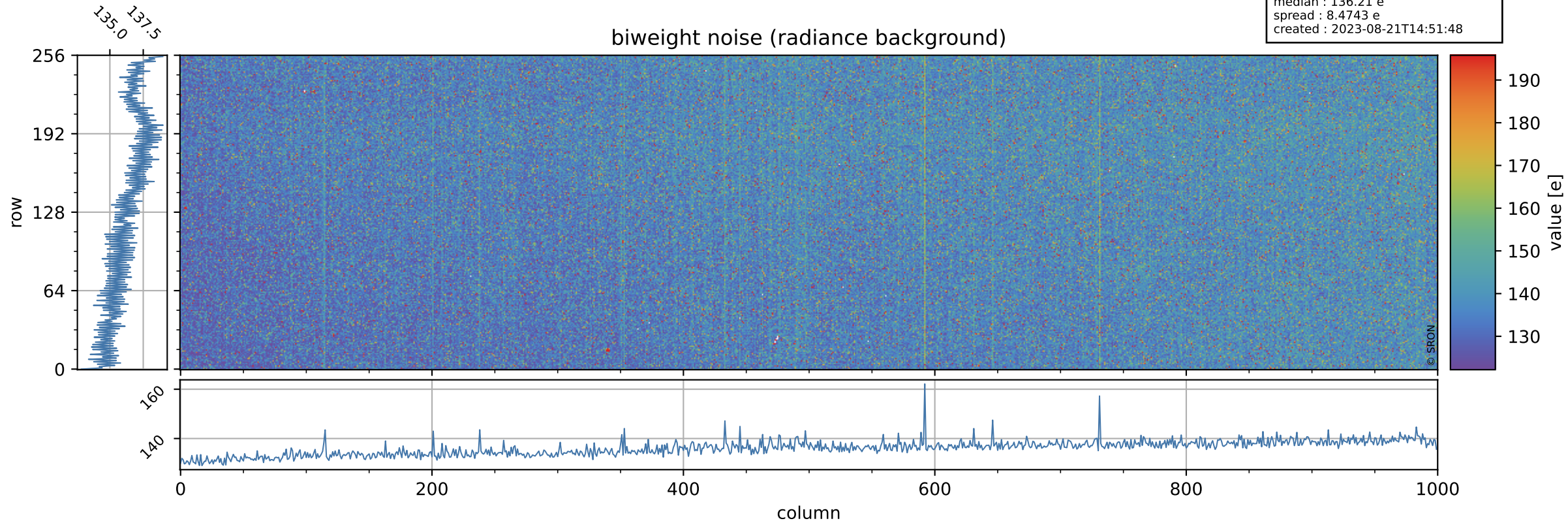
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.4743 e  
created : 2023-08-21T14:51:48

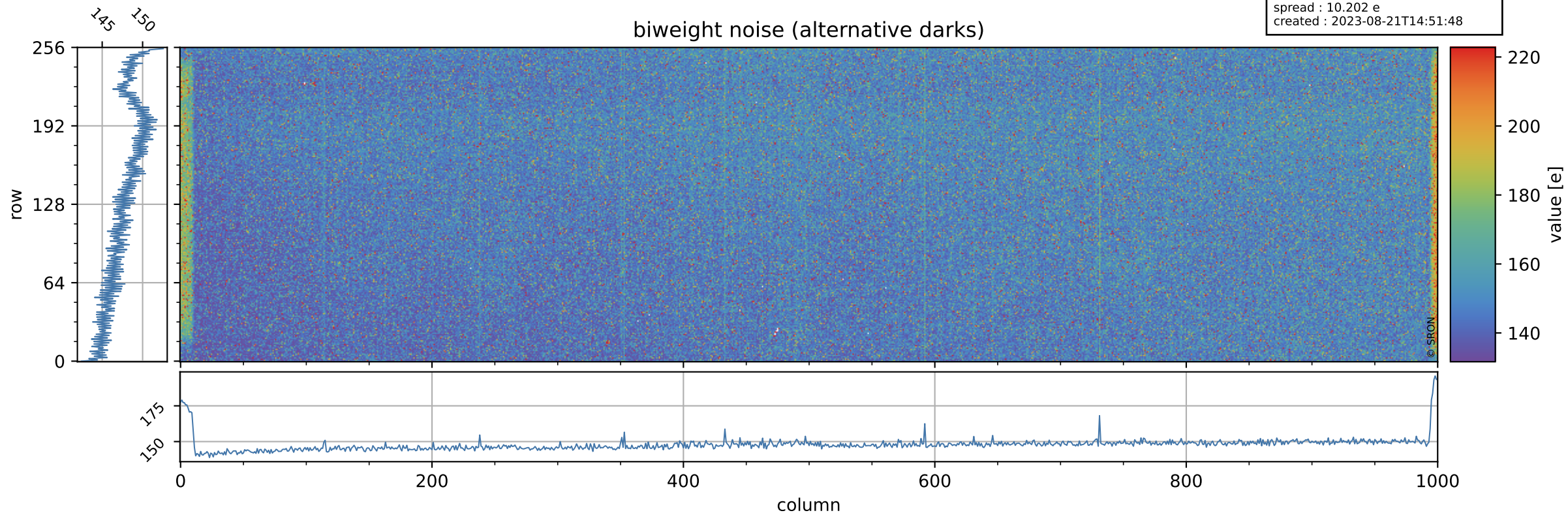
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 10.202 e  
created : 2023-08-21T14:51:48

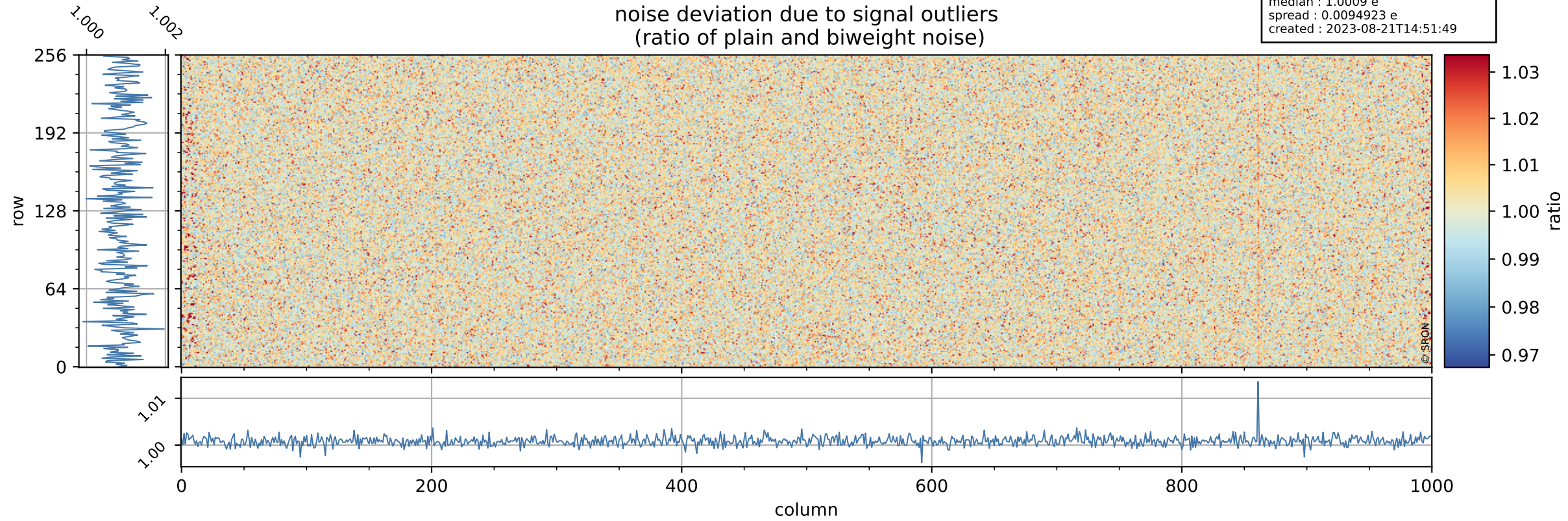
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

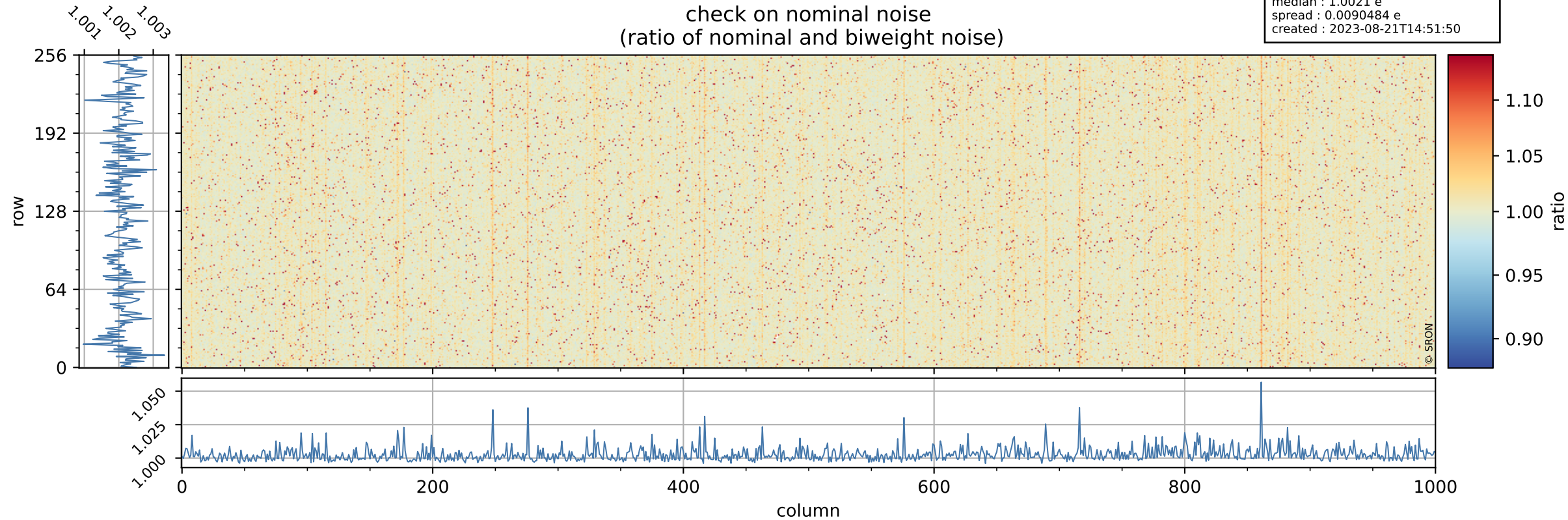
orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
median : 1.0009 e  
spread : 0.0094923 e  
created : 2023-08-21T14:51:49



# Tropomi SWIR background noise (swir)

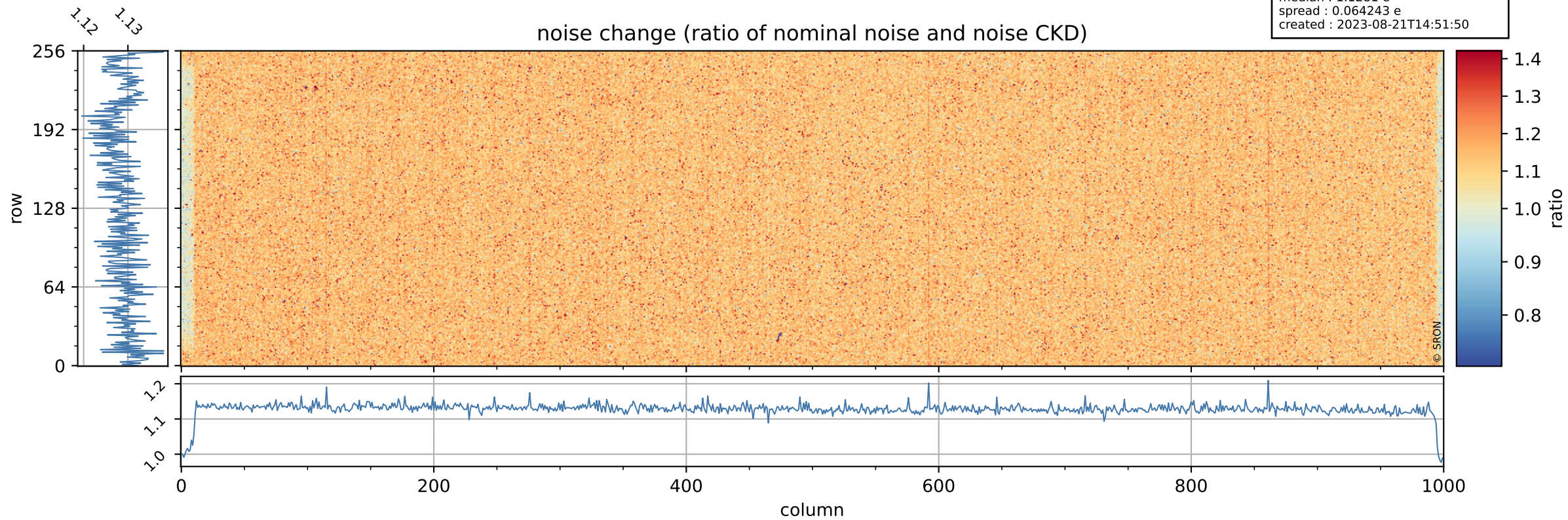
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
median : 1.0021 e  
spread : 0.0090484 e  
created : 2023-08-21T14:51:50



# Tropomi SWIR background noise (swir)

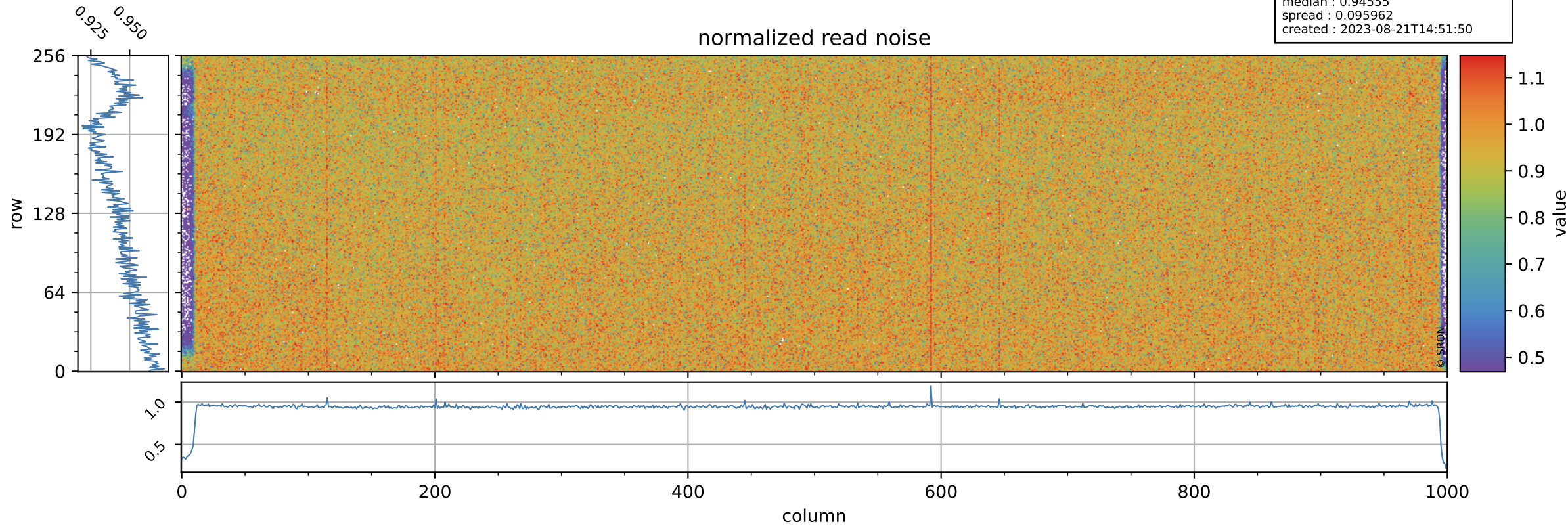
orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
median : 1.1281 e  
spread : 0.064243 e  
created : 2023-08-21T14:51:50



# Tropomi SWIR background noise (swir)

orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
median : 0.94555  
spread : 0.095962  
created : 2023-08-21T14:51:50

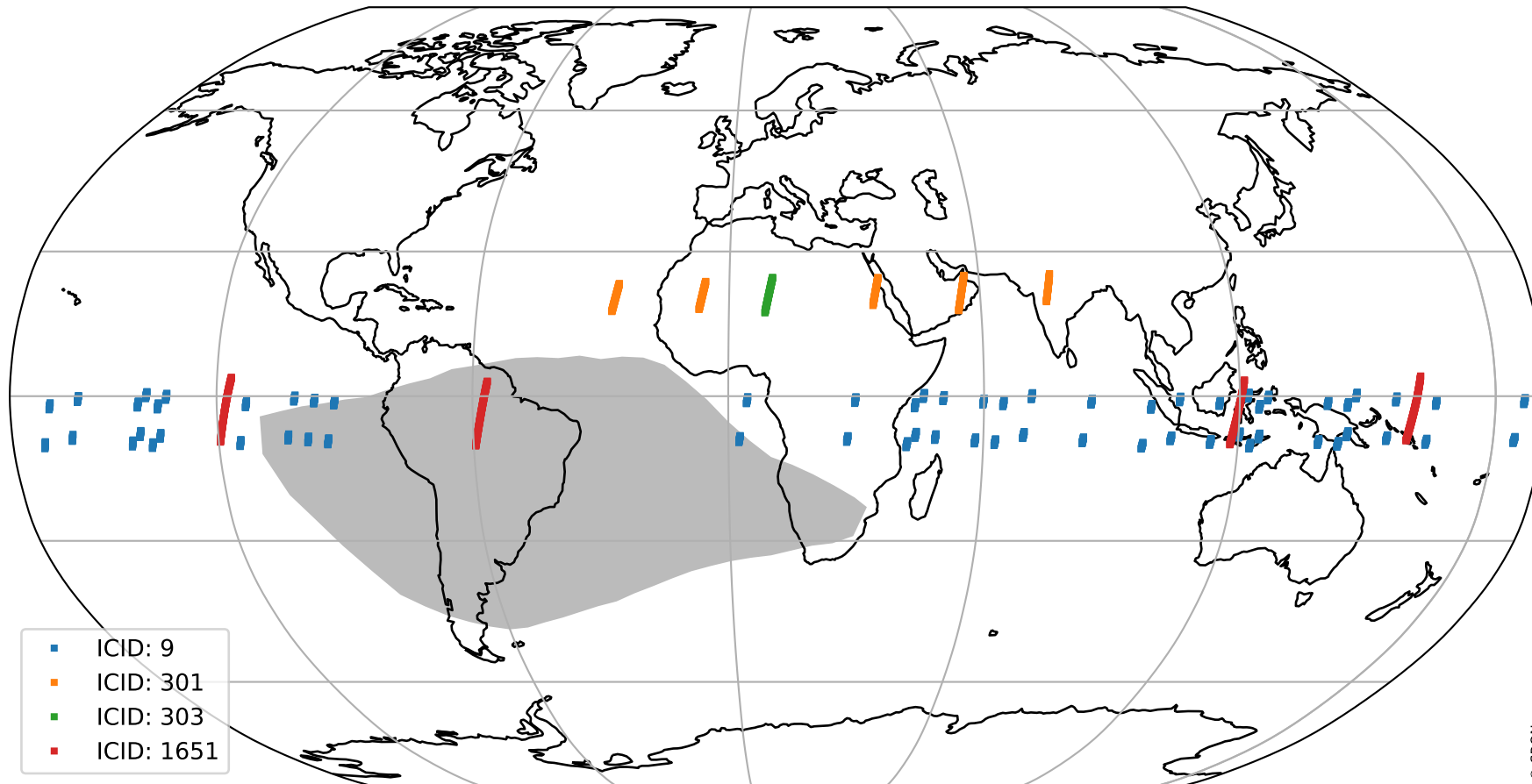
normalized read noise





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

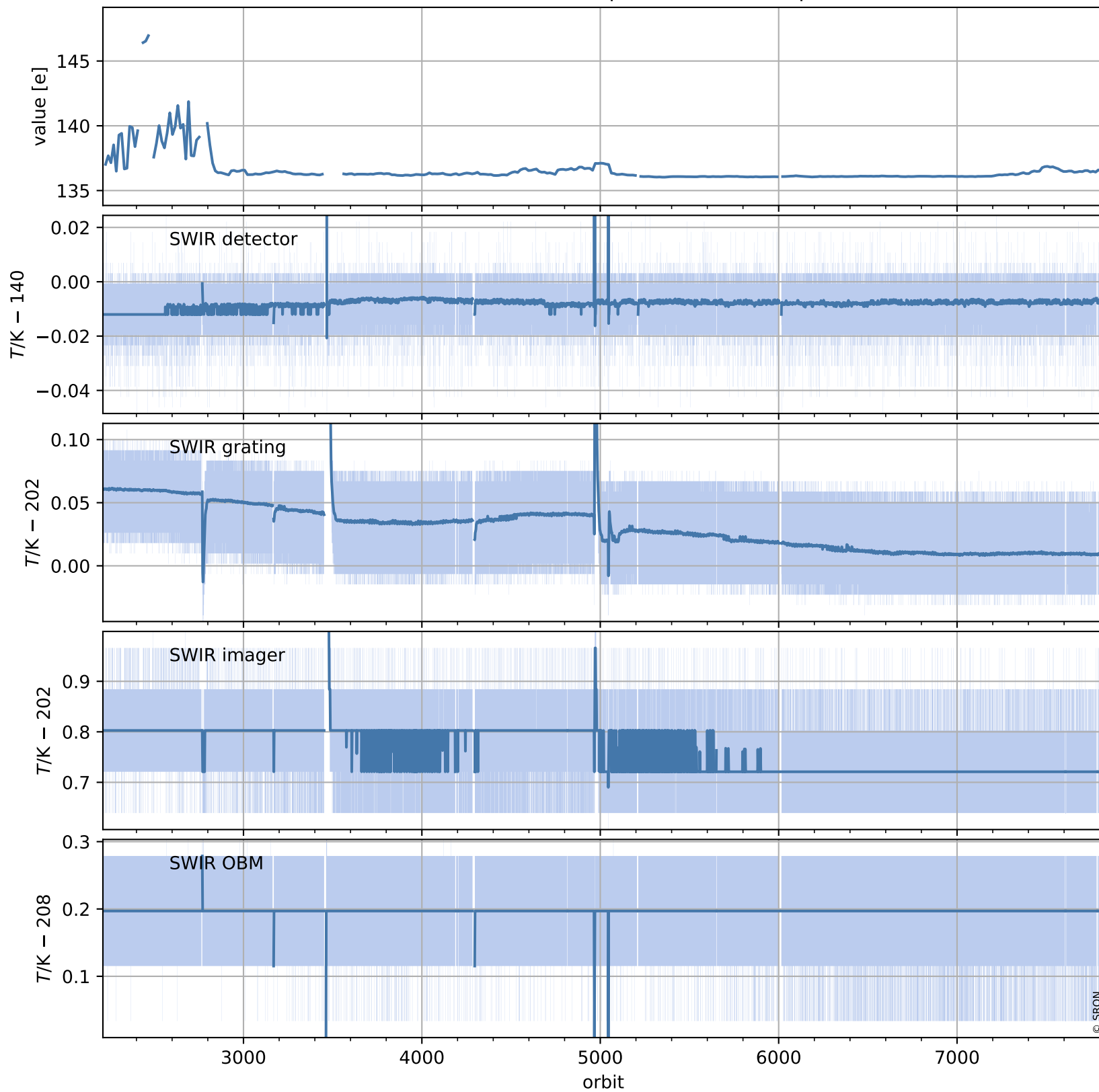
orbits : 10 in [7732, 7822]  
coverage : 2019-04-11 / 2019-04-17  
created : 2023-08-21T14:51:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 7822]  
coverage : 2018-03-18 / 2019-04-17  
created : 2023-08-21T14:51:51

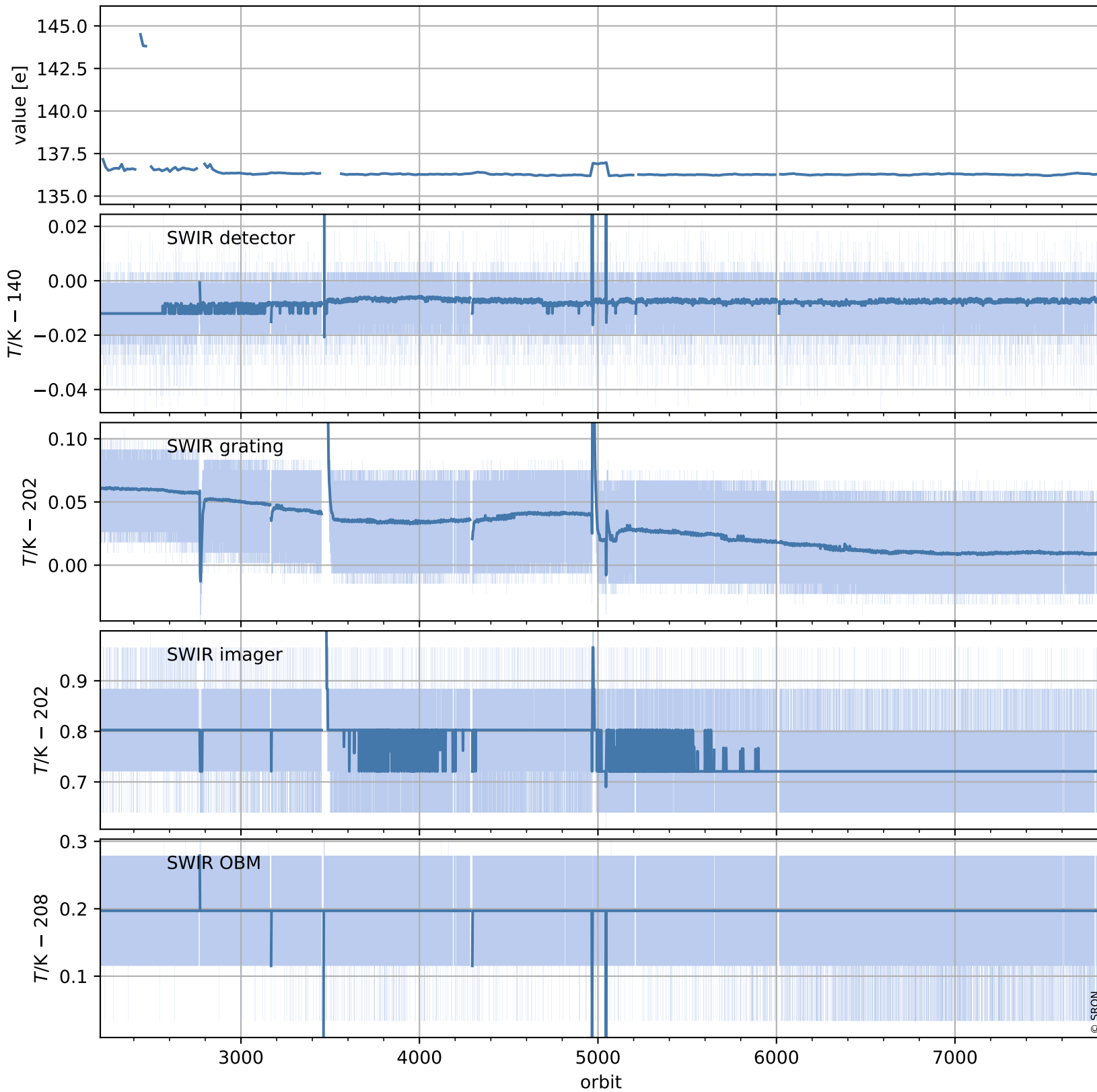
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7822]  
coverage : 2018-03-18 / 2019-04-17  
created : 2023-08-21T14:51:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7822]  
coverage : 2018-03-18 / 2019-04-17  
created : 2023-08-21T14:51:53

## trend of normalized read-noise & temperatures

