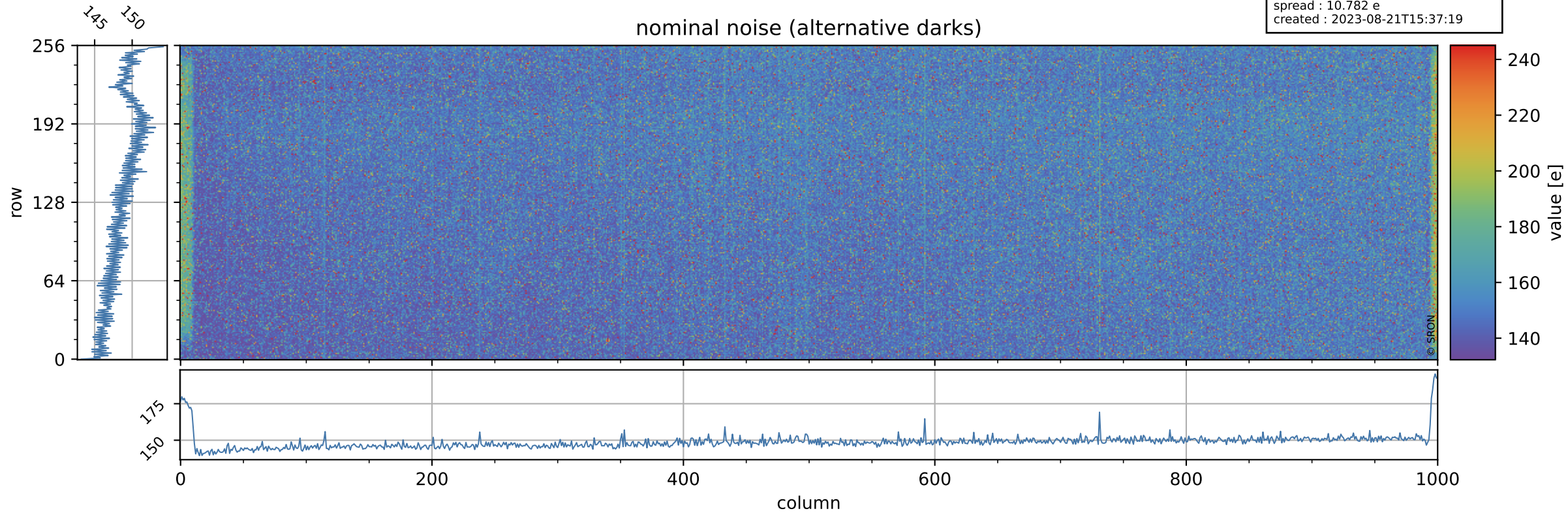


# Tropomi SWIR background noise (swir)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.56 e  
spread : 10.782 e  
created : 2023-08-21T15:37:19

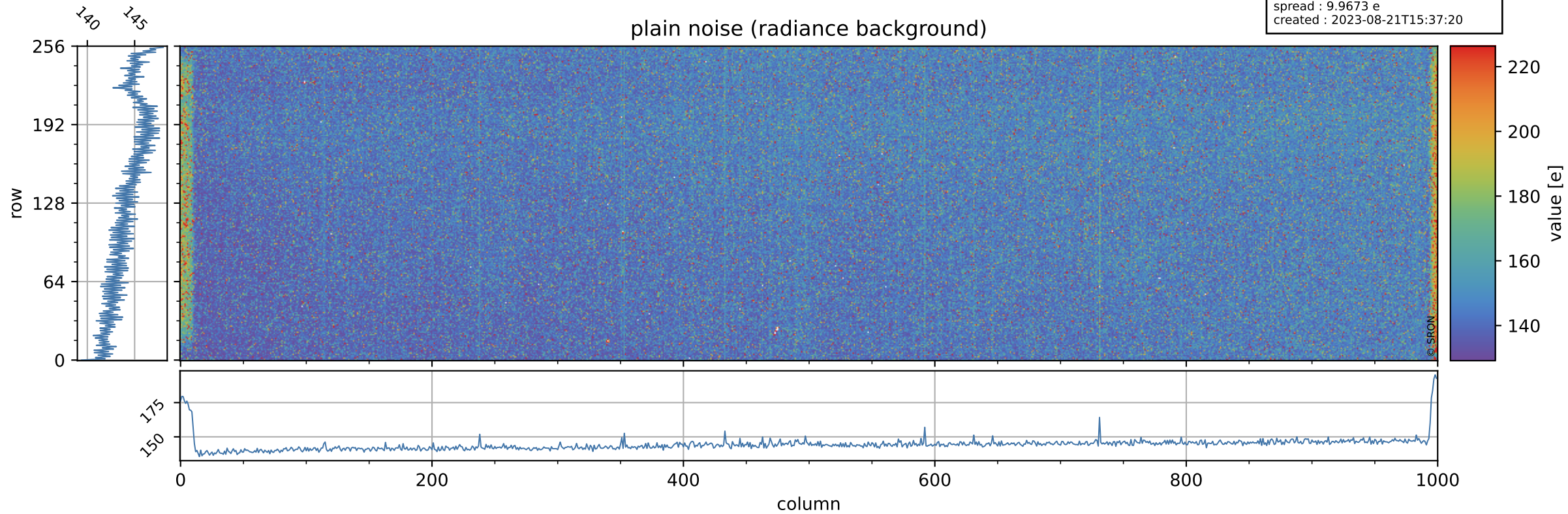
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
n\_coad, t\_exp : 1, 0.8383  
median : 144.11 e  
spread : 9.9673 e  
created : 2023-08-21T15:37:20

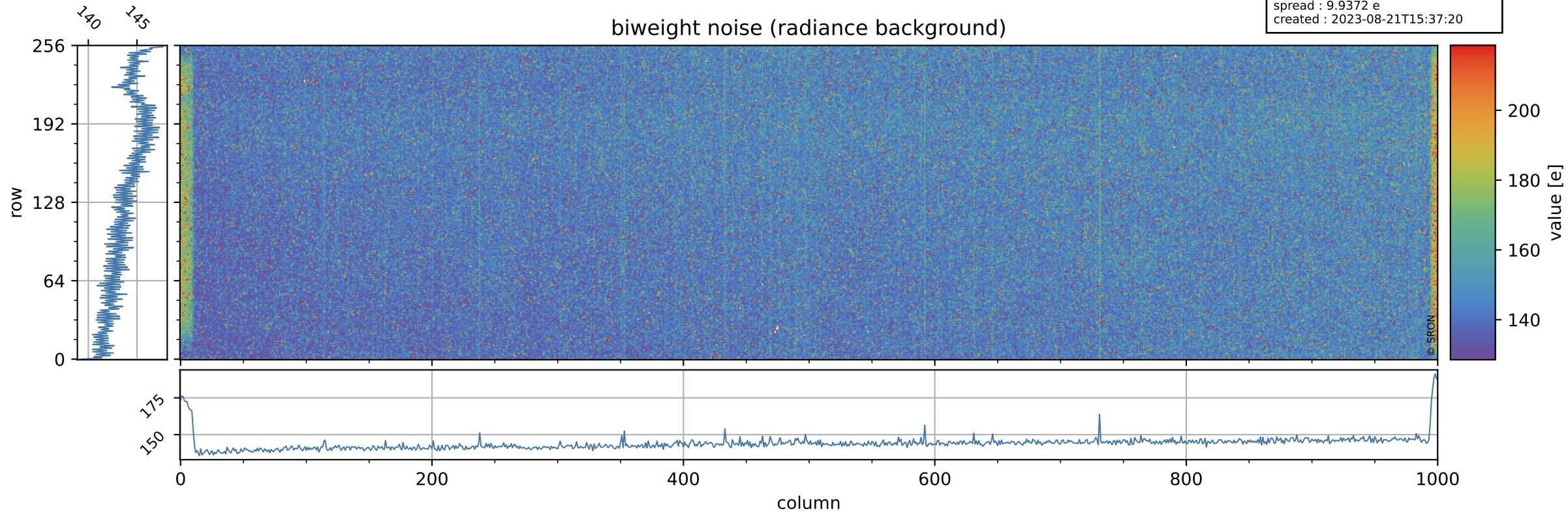
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.9372 e  
created : 2023-08-21T15:37:20

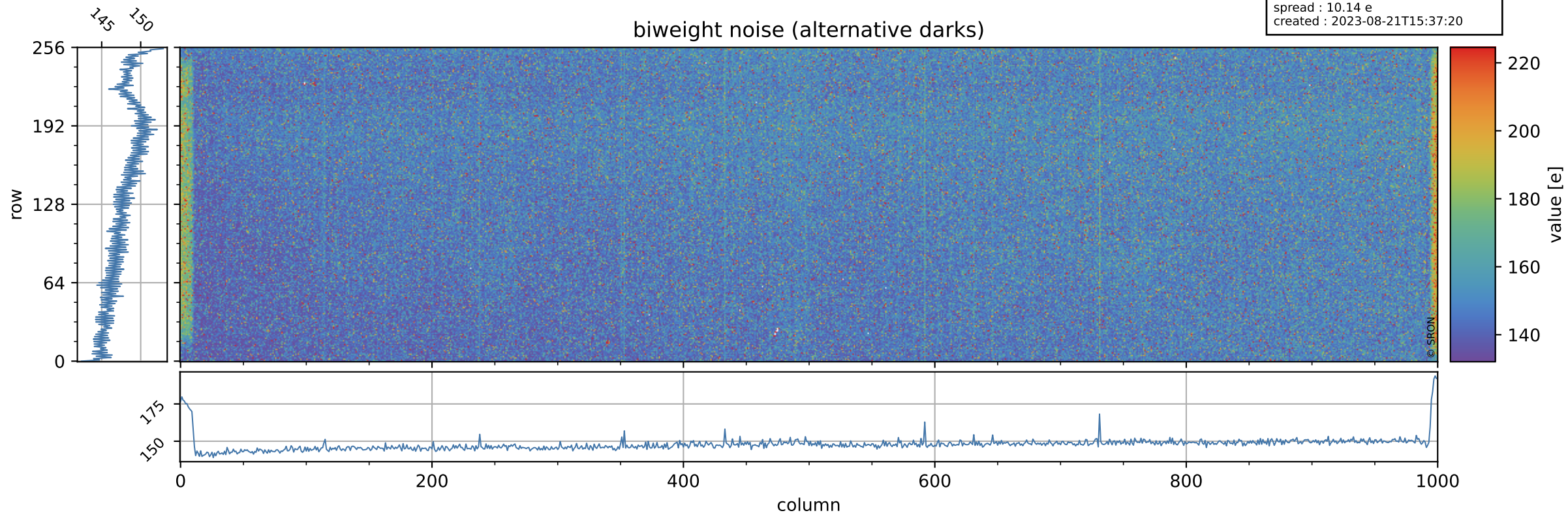
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.14 e  
created : 2023-08-21T15:37:20

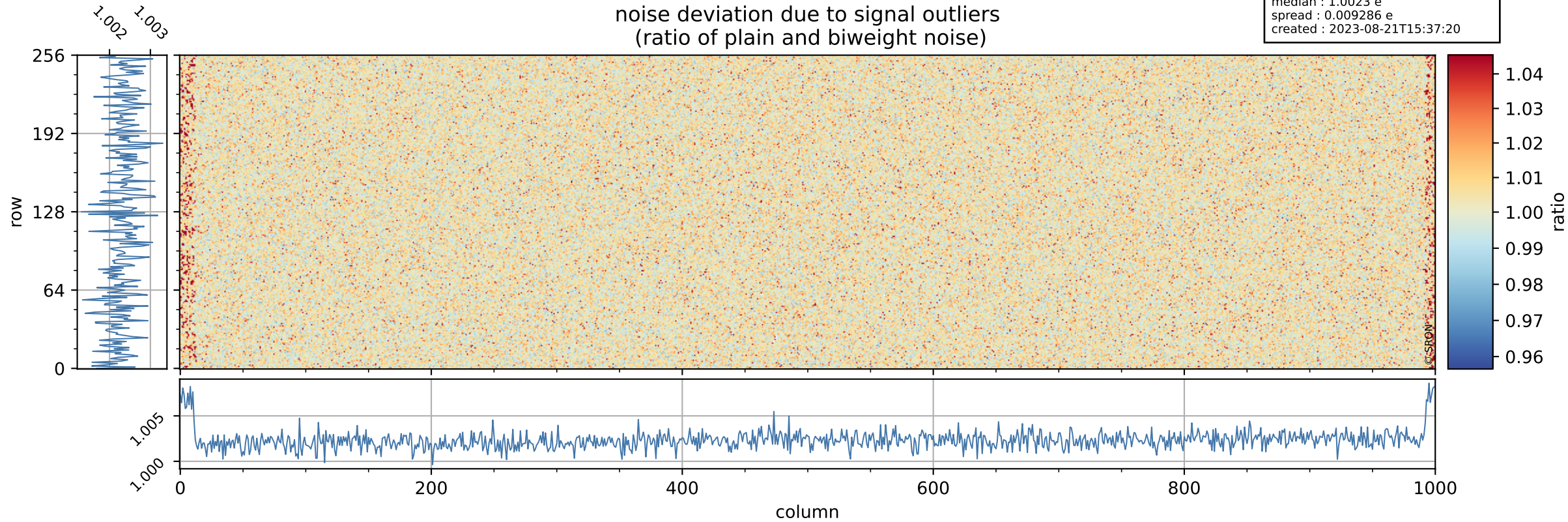
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

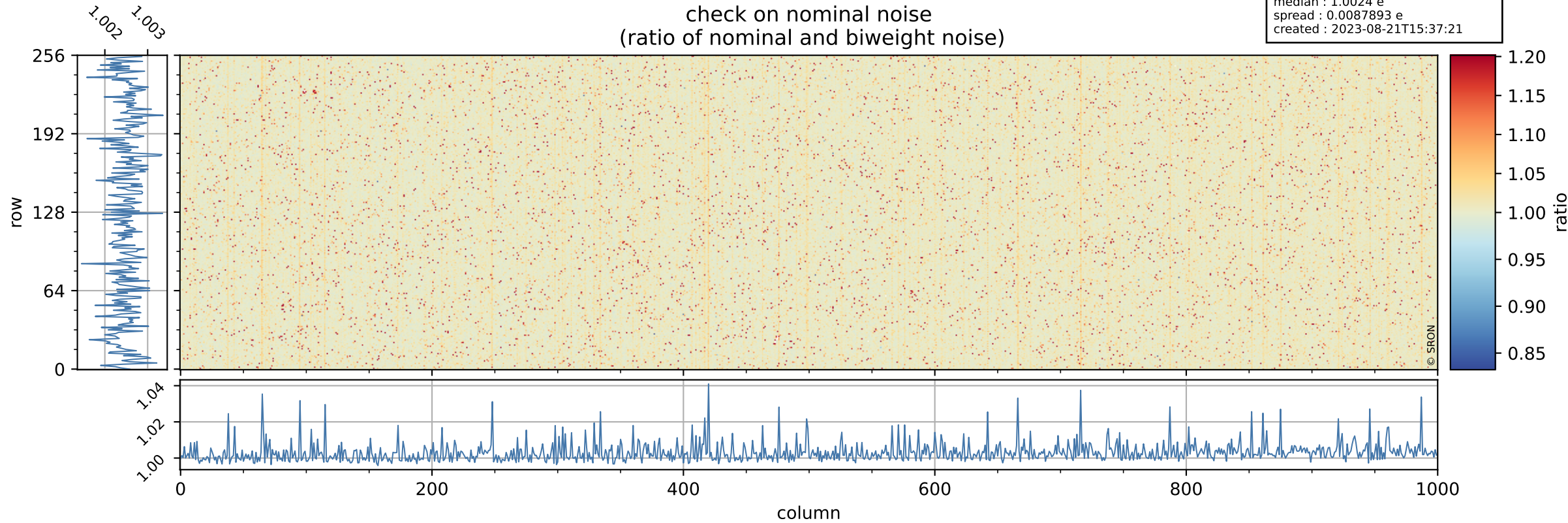
orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
median : 1.0023 e  
spread : 0.009286 e  
created : 2023-08-21T15:37:20



# Tropomi SWIR background noise (swir)

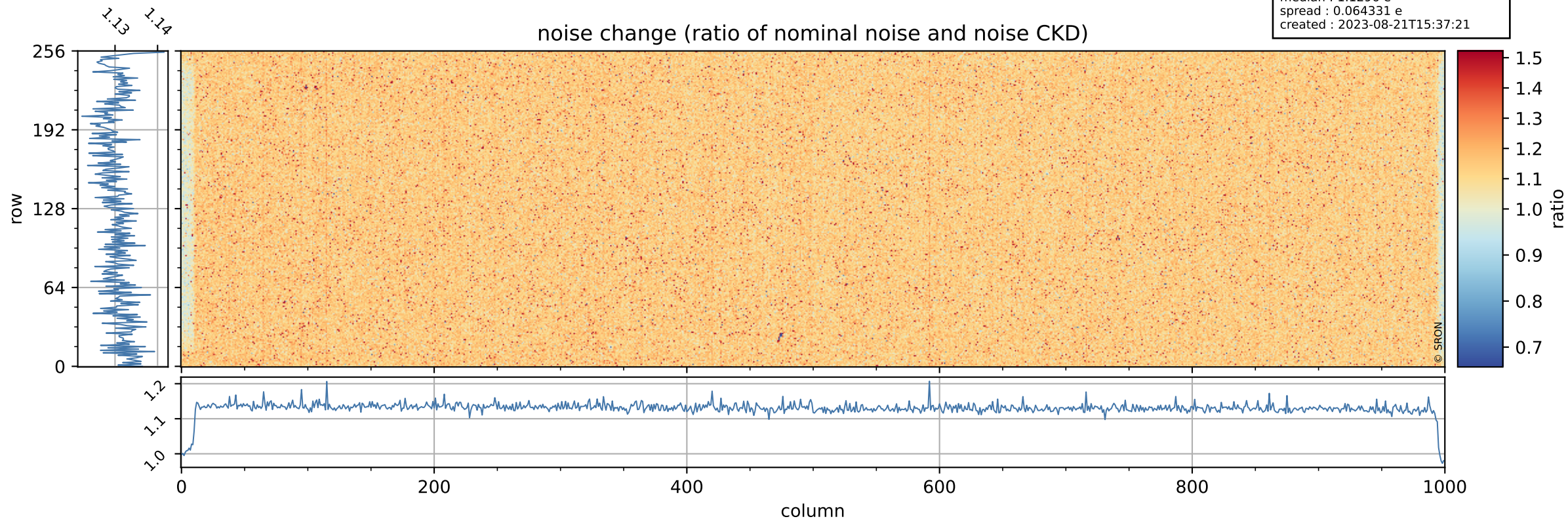
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
median : 1.0024 e  
spread : 0.0087893 e  
created : 2023-08-21T15:37:21



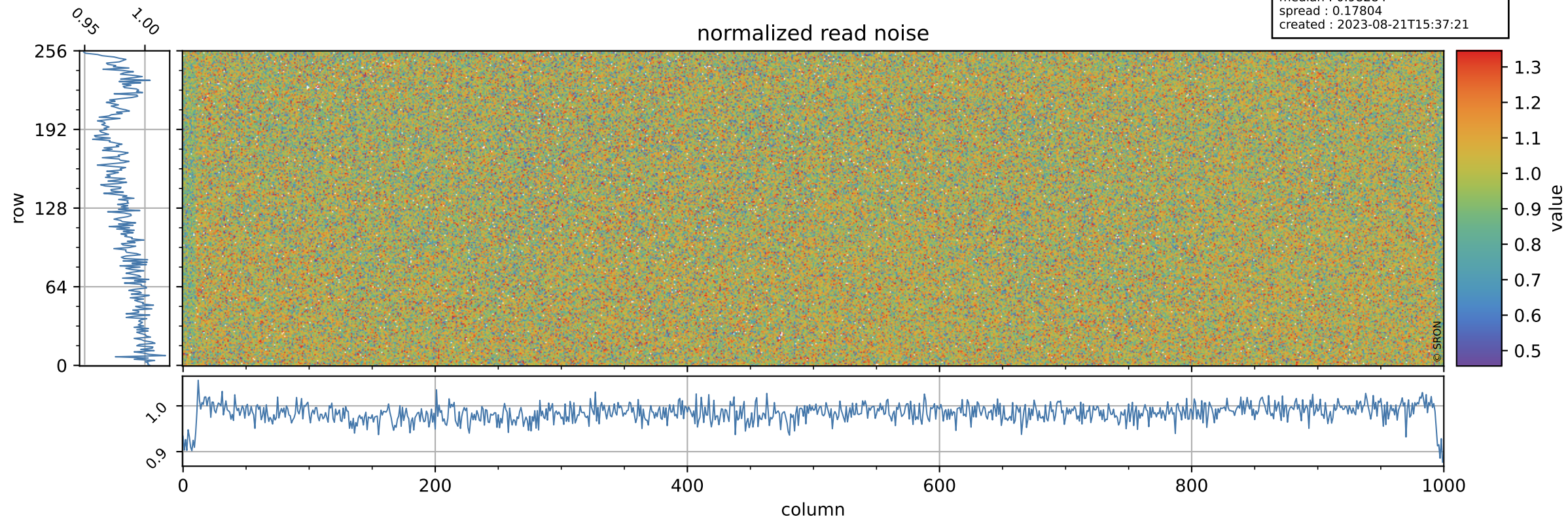
# Tropomi SWIR background noise (swir)

orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
median : 1.1296 e  
spread : 0.064331 e  
created : 2023-08-21T15:37:21



# Tropomi SWIR background noise (swir)

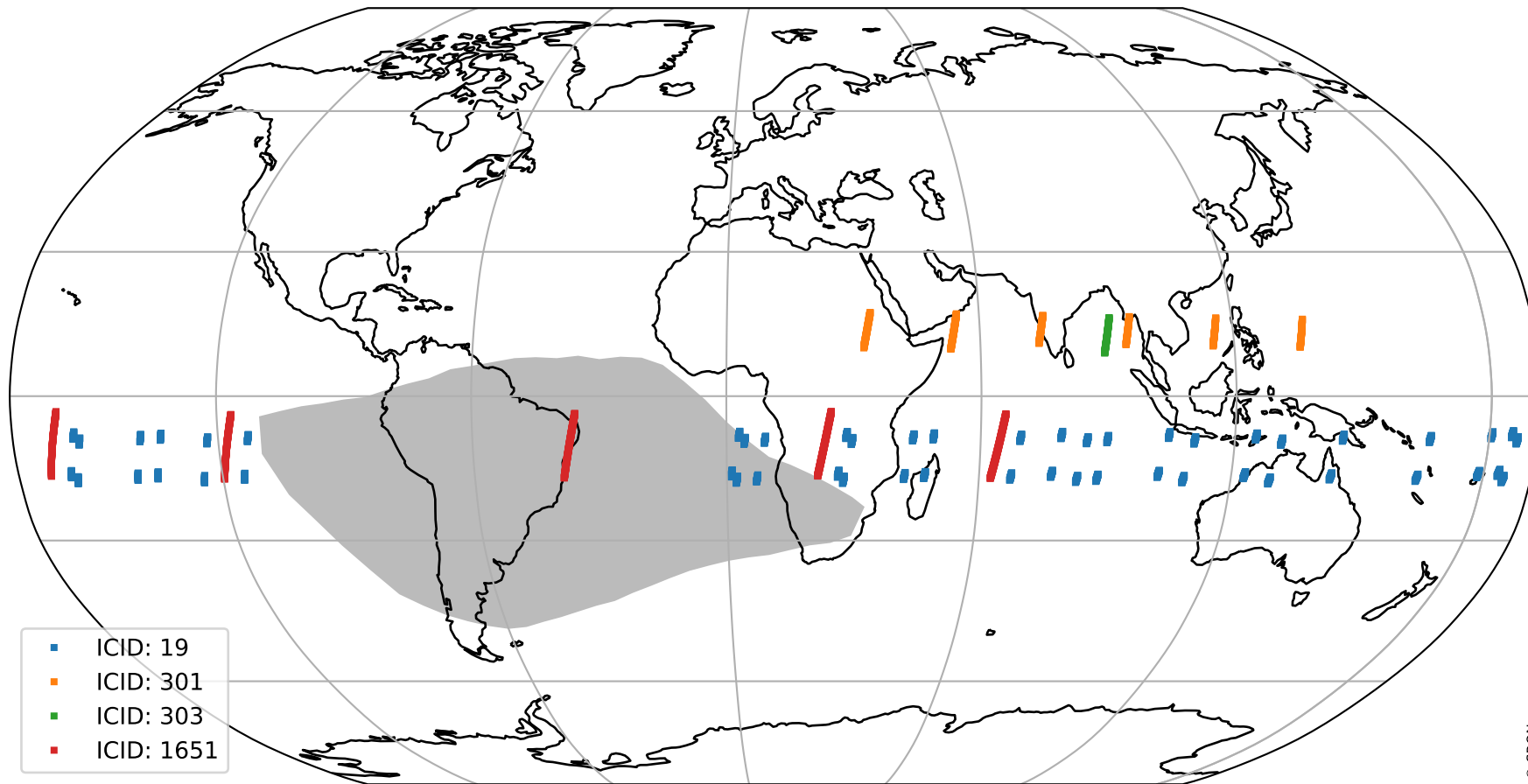
orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
median : 0.98284  
spread : 0.17804  
created : 2023-08-21T15:37:21





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

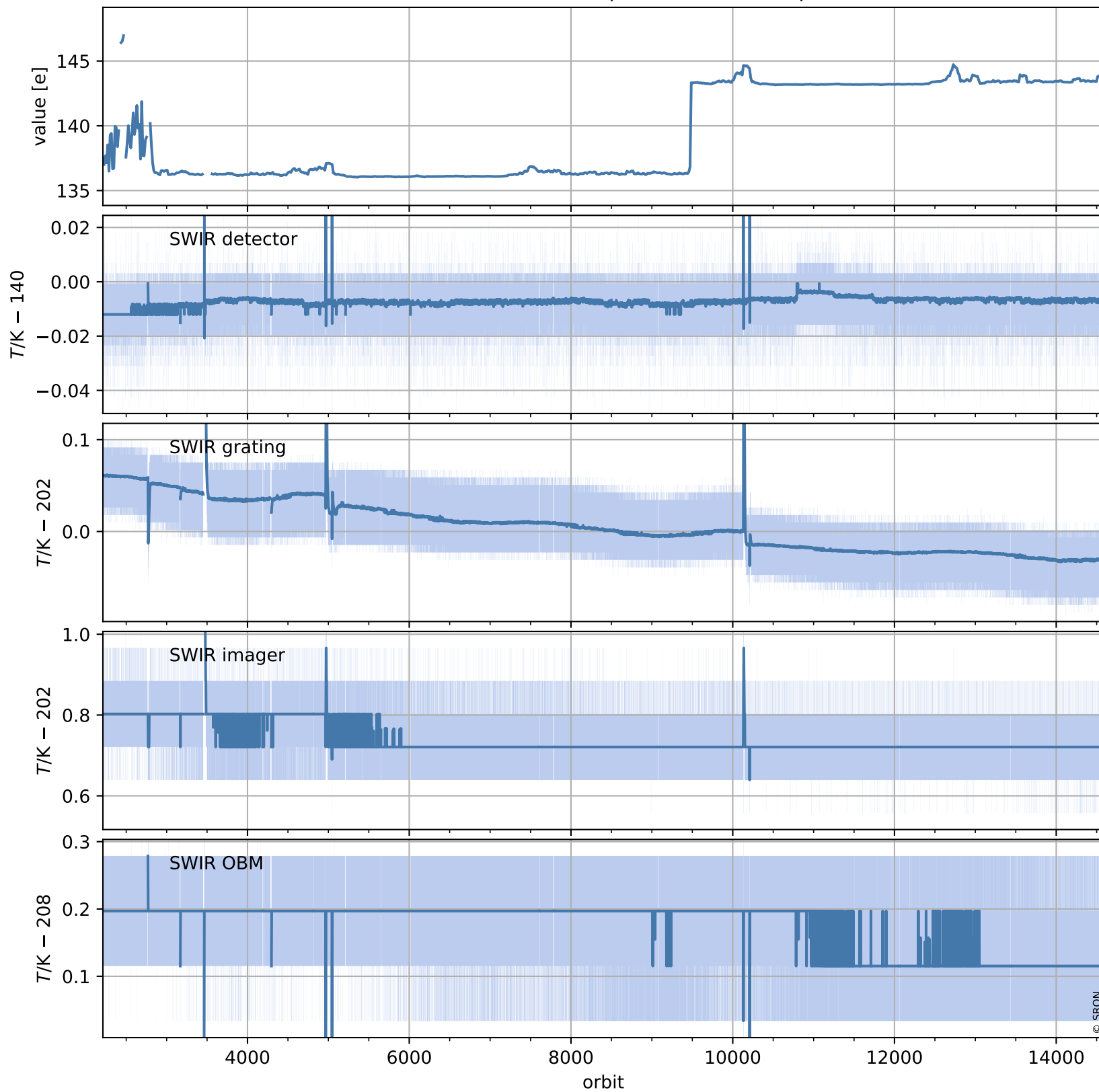
orbits : 12 in [14512, 14587]  
coverage : 2020-07-31 / 2020-08-05  
created : 2023-08-21T15:37:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 14587]  
coverage : 2018-03-18 / 2020-08-05  
created : 2023-08-21T15:37:22

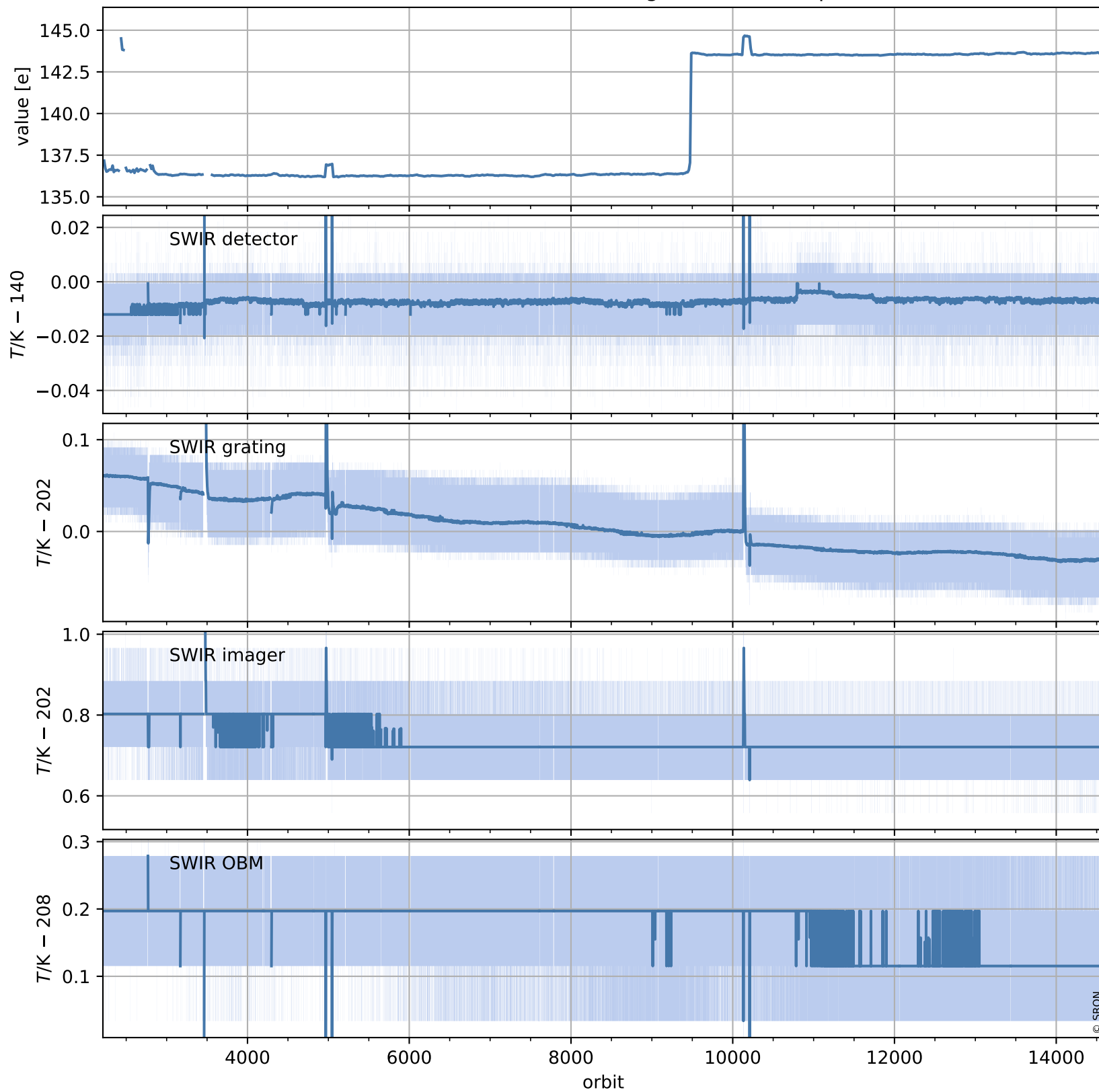
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14587]  
coverage : 2018-03-18 / 2020-08-05  
created : 2023-08-21T15:37:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14587]  
coverage : 2018-03-18 / 2020-08-05  
created : 2023-08-21T15:37:23

## trend of normalized read-noise & temperatures

