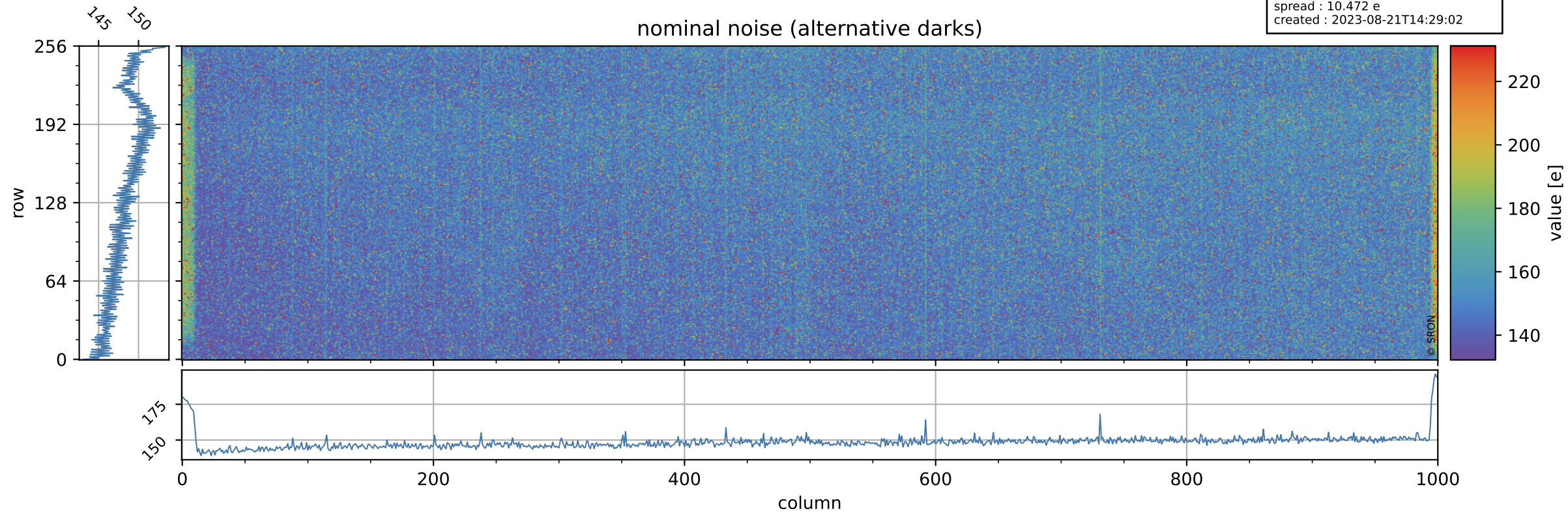


# Tropomi SWIR background noise (swir)

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.29 e  
spread : 10.472 e  
created : 2023-08-21T14:29:02

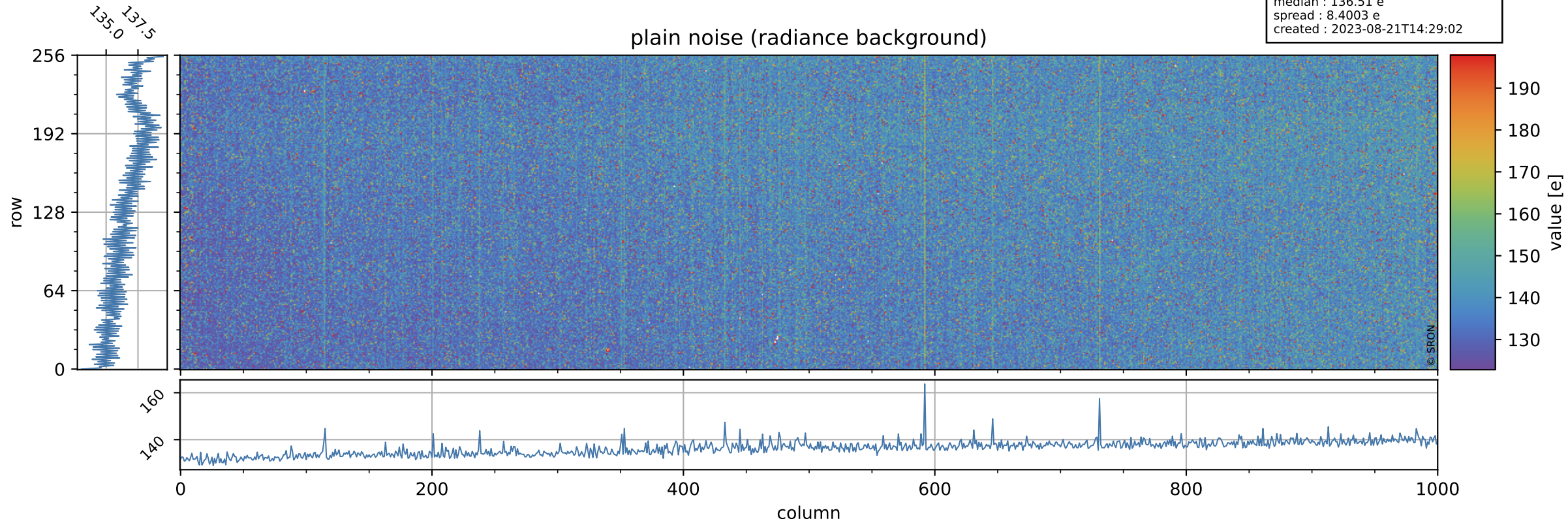
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.51 e  
spread : 8.4003 e  
created : 2023-08-21T14:29:02

## plain noise (radiance background)

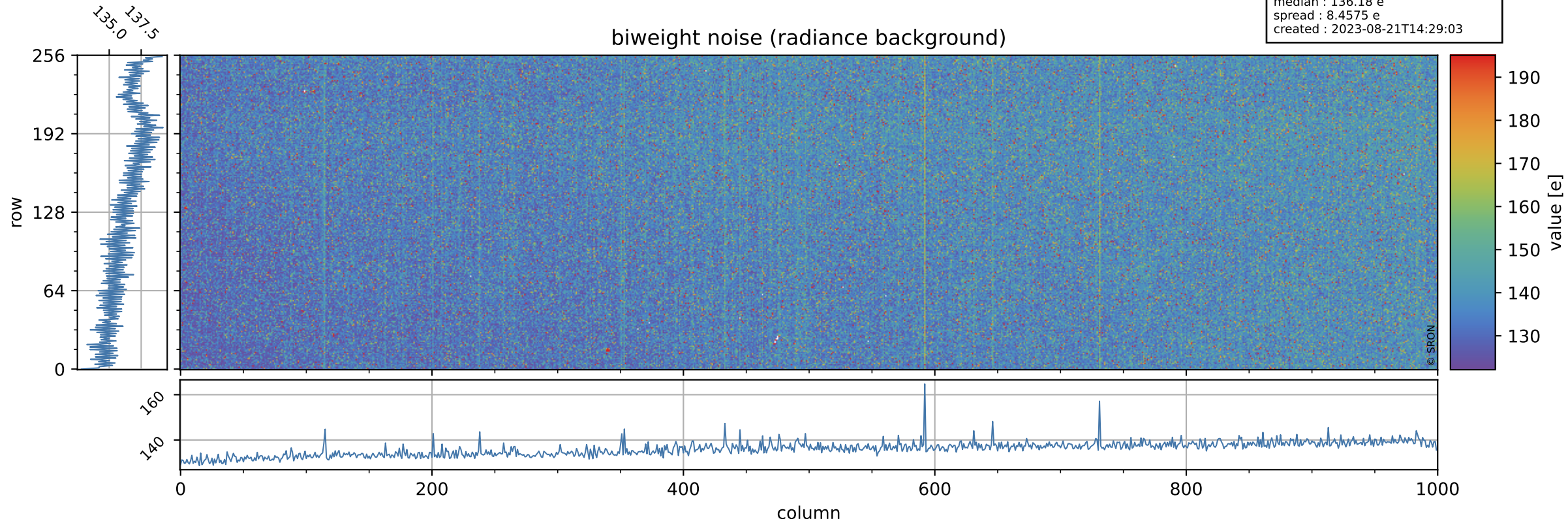




# Tropomi SWIR background noise (swir)

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.4575 e  
created : 2023-08-21T14:29:03

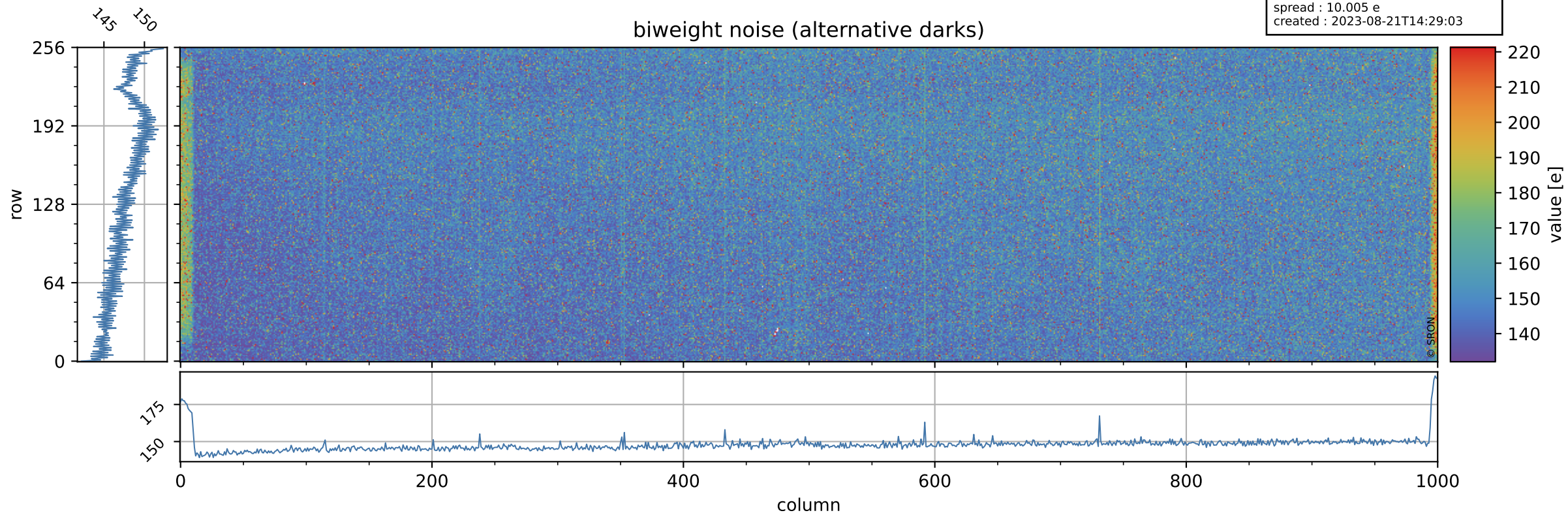
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 10.005 e  
created : 2023-08-21T14:29:03

## biweight noise (alternative darks)

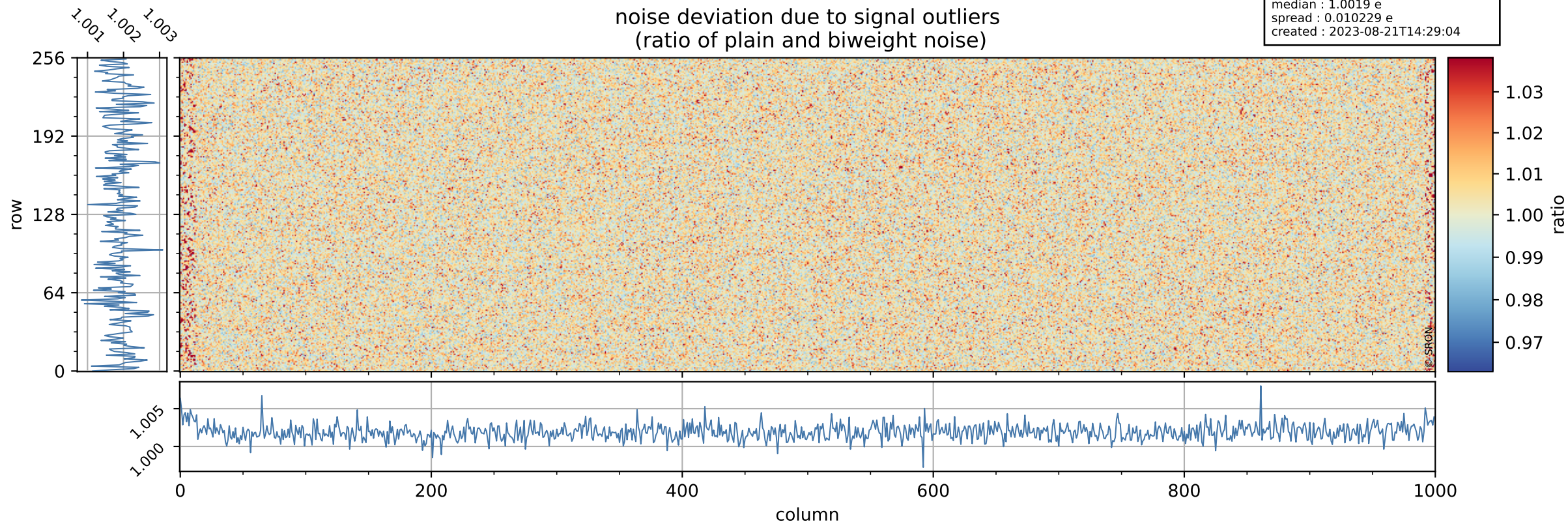




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
median : 1.0019 e  
spread : 0.010229 e  
created : 2023-08-21T14:29:04

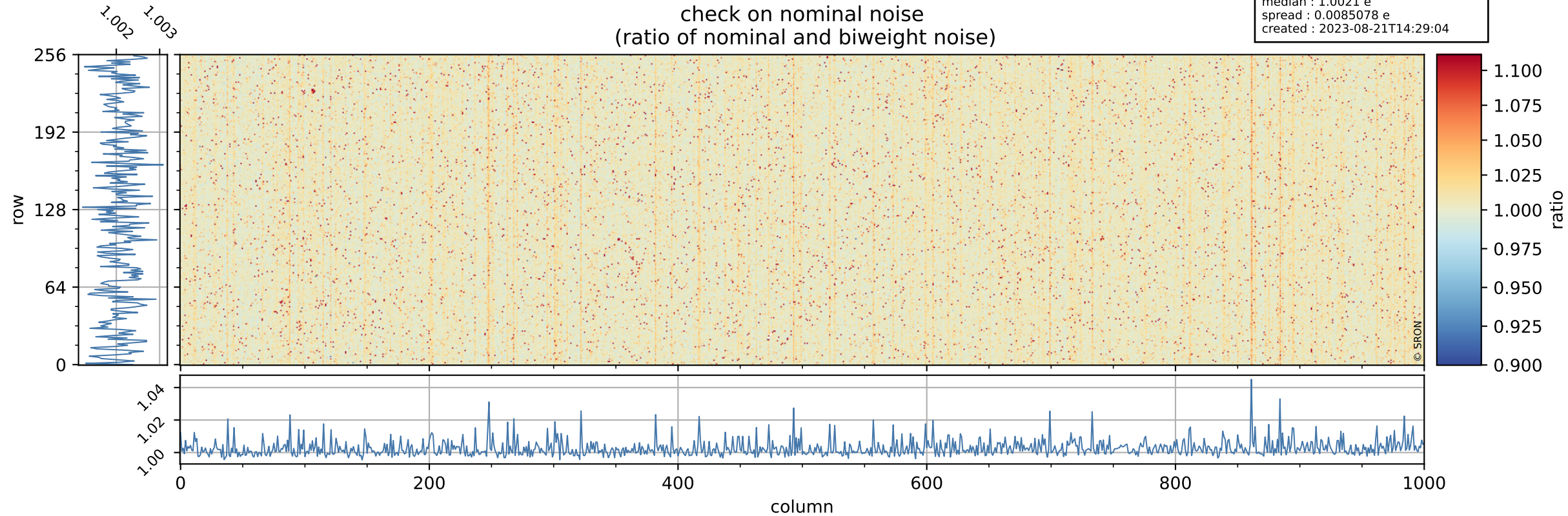




# Tropomi SWIR background noise (swir)

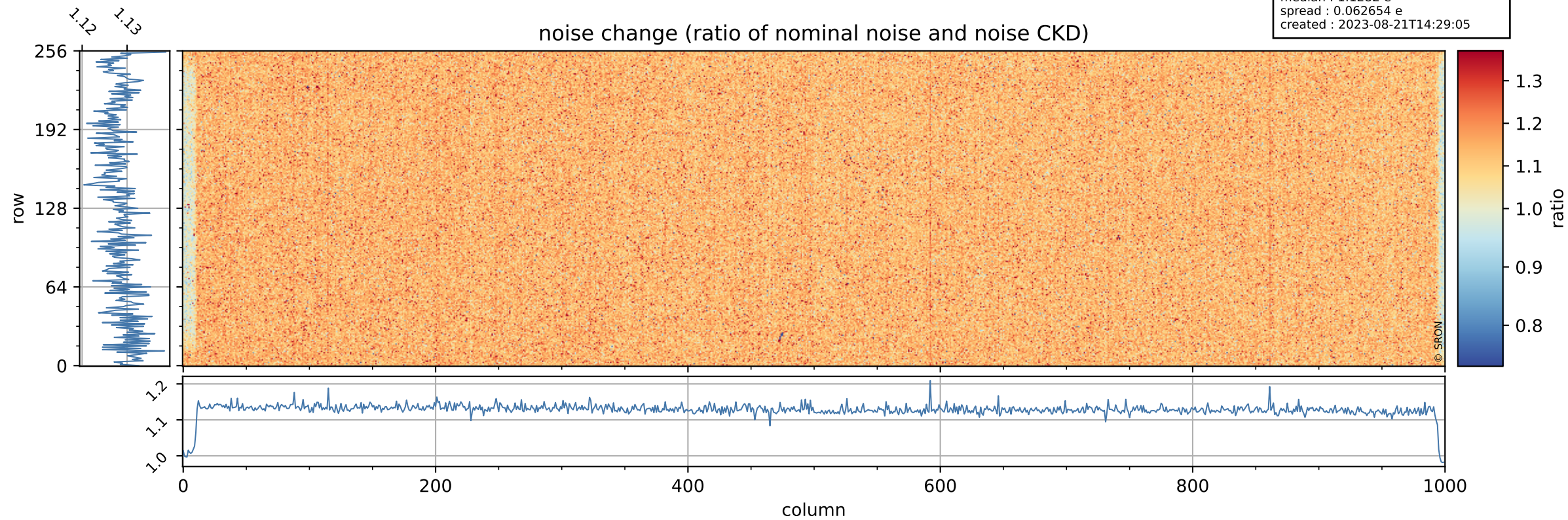
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
median : 1.0021 e  
spread : 0.0085078 e  
created : 2023-08-21T14:29:04



# Tropomi SWIR background noise (swir)

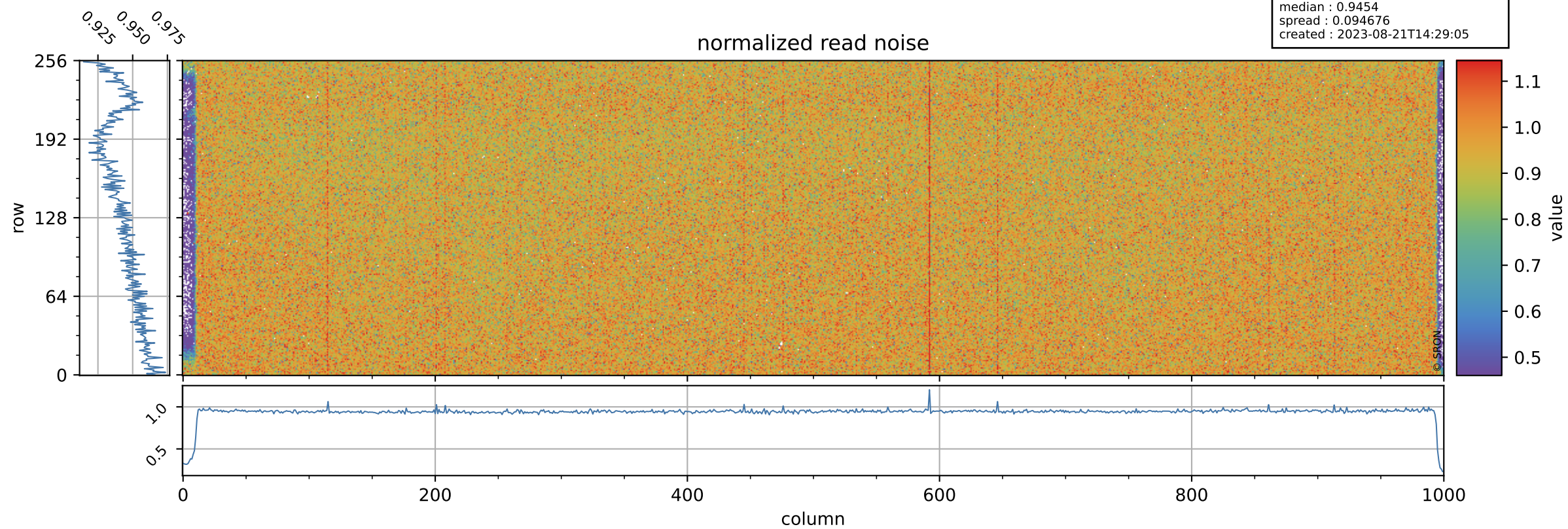
orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
median : 1.1282 e  
spread : 0.062654 e  
created : 2023-08-21T14:29:05





# Tropomi SWIR background noise (swir)

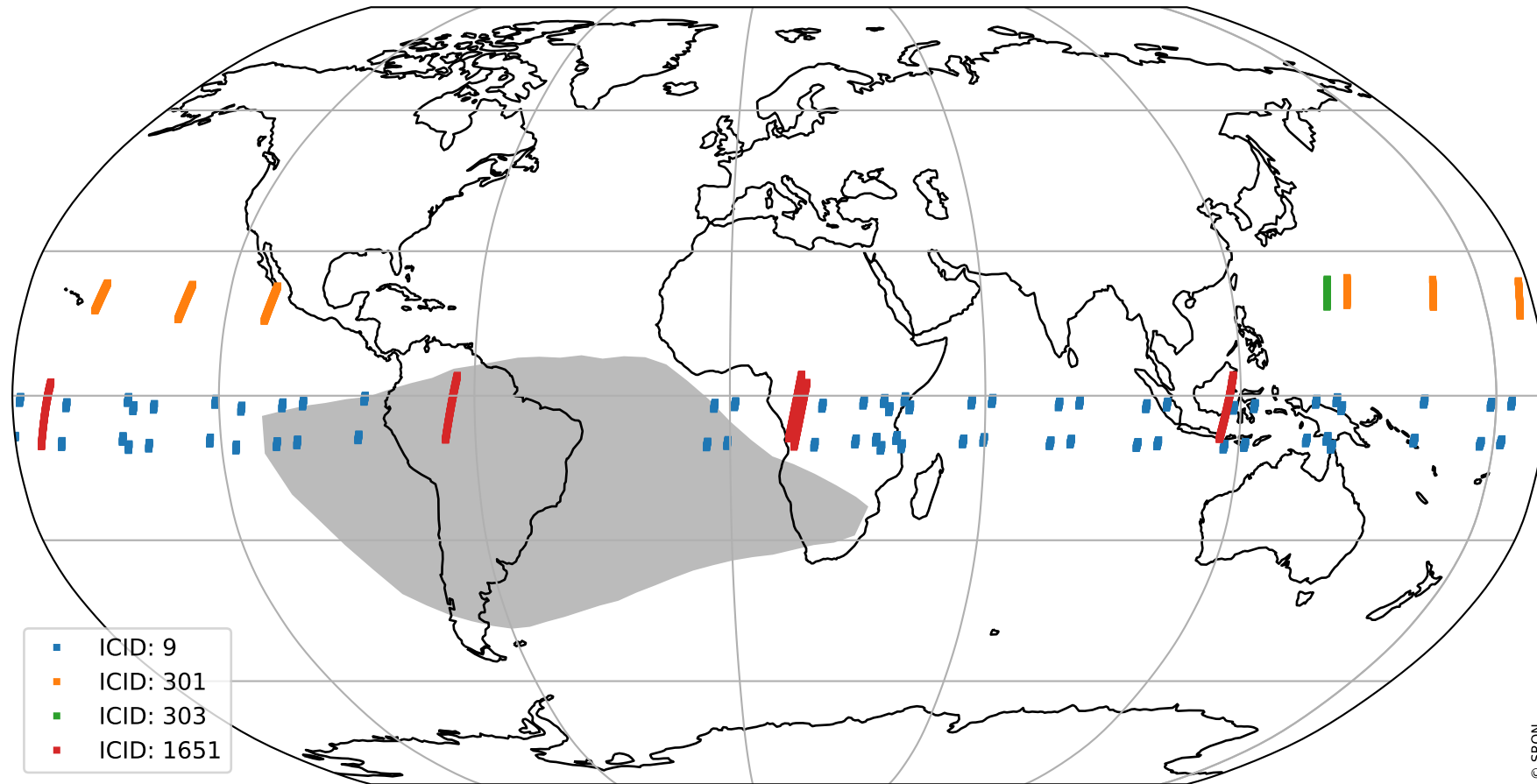
orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
median : 0.9454  
spread : 0.094676  
created : 2023-08-21T14:29:05





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

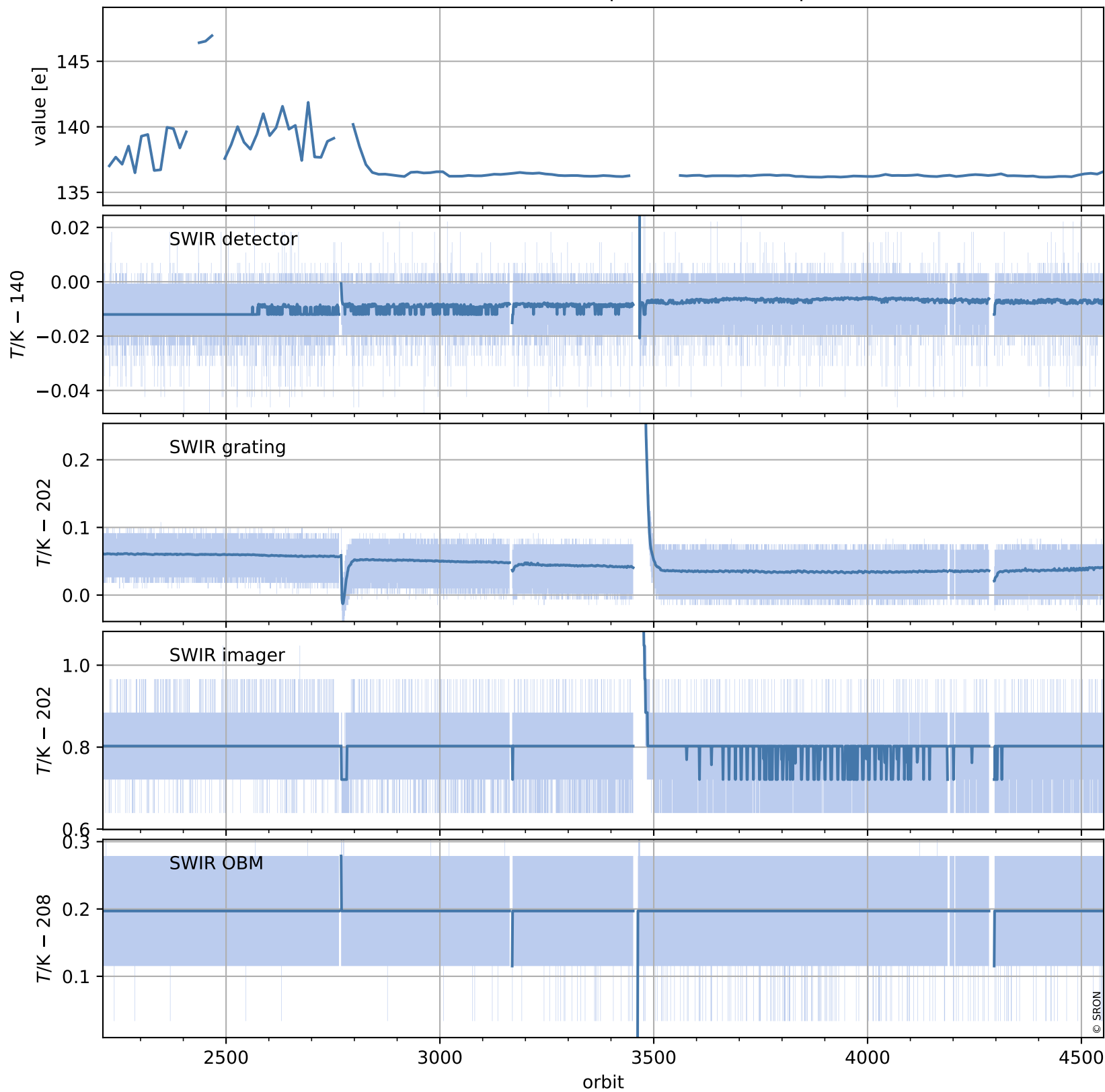
orbits : 12 in [4462, 4552]  
coverage : 2018-08-24 / 2018-08-30  
created : 2023-08-21T14:29:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 4552]  
coverage : 2018-03-18 / 2018-08-30  
created : 2023-08-21T14:29:06

## trend of detector median of plain noise & temperatures

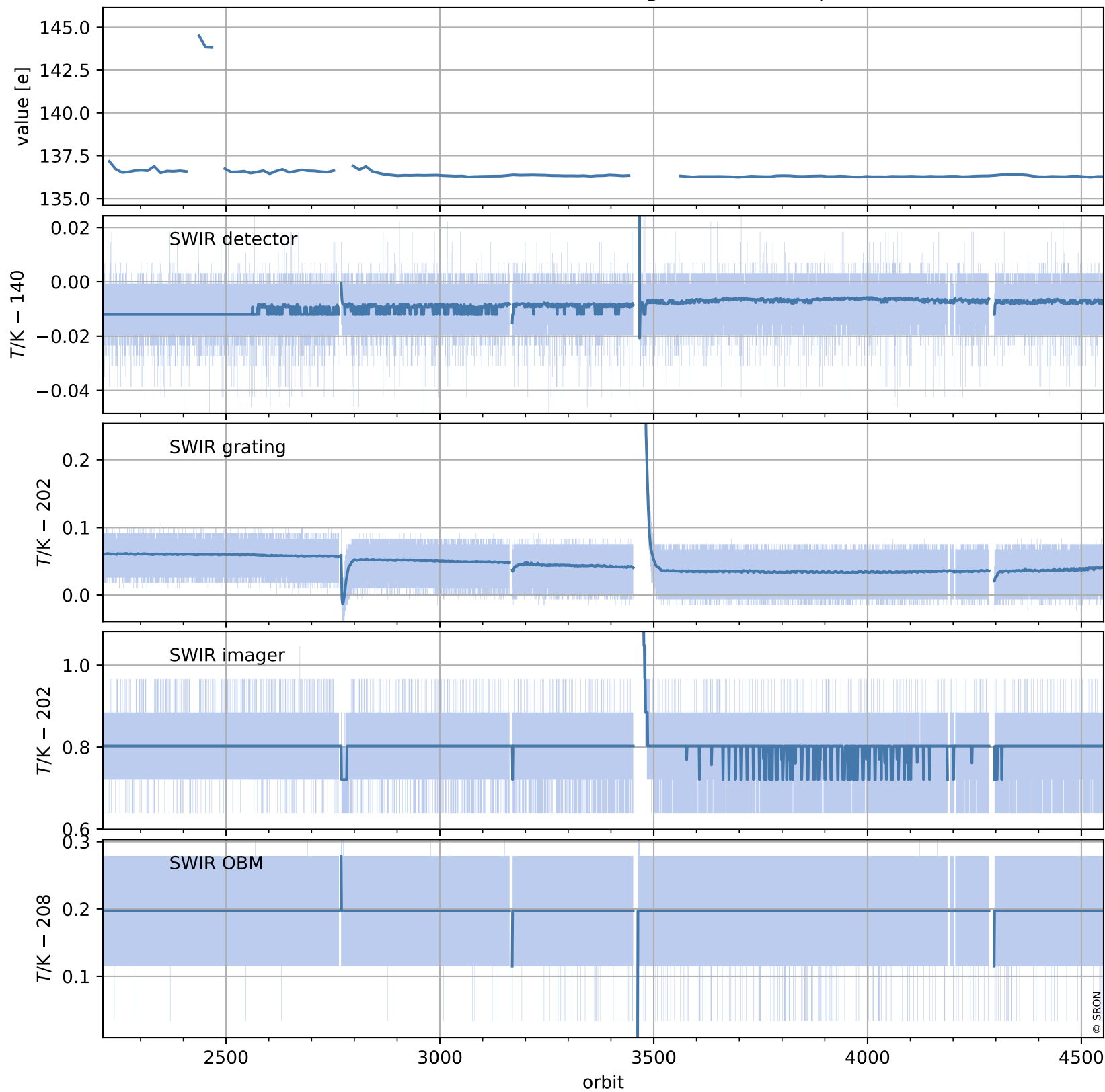




# Tropomi SWIR background noise (swir)

orbits : [2212, 4552]  
coverage : 2018-03-18 / 2018-08-30  
created : 2023-08-21T14:29:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4552]  
coverage : 2018-03-18 / 2018-08-30  
created : 2023-08-21T14:29:07

## trend of normalized read-noise & temperatures

