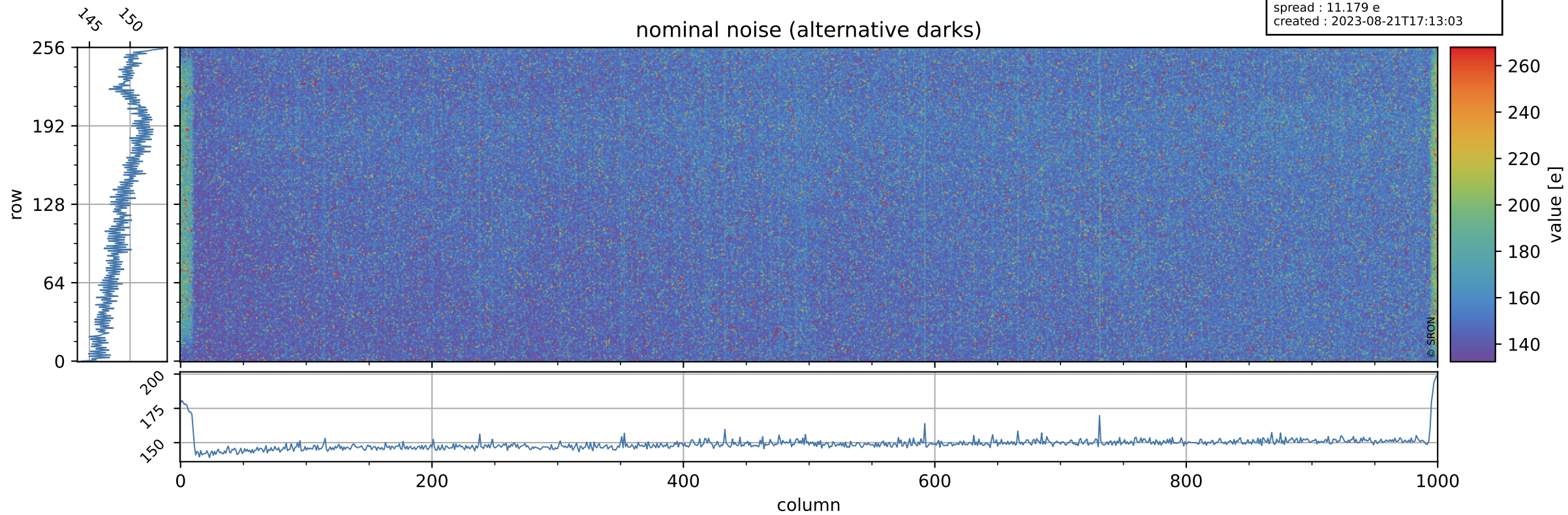


# Tropomi SWIR background noise (swir)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.98 e  
spread : 11.179 e  
created : 2023-08-21T17:13:03

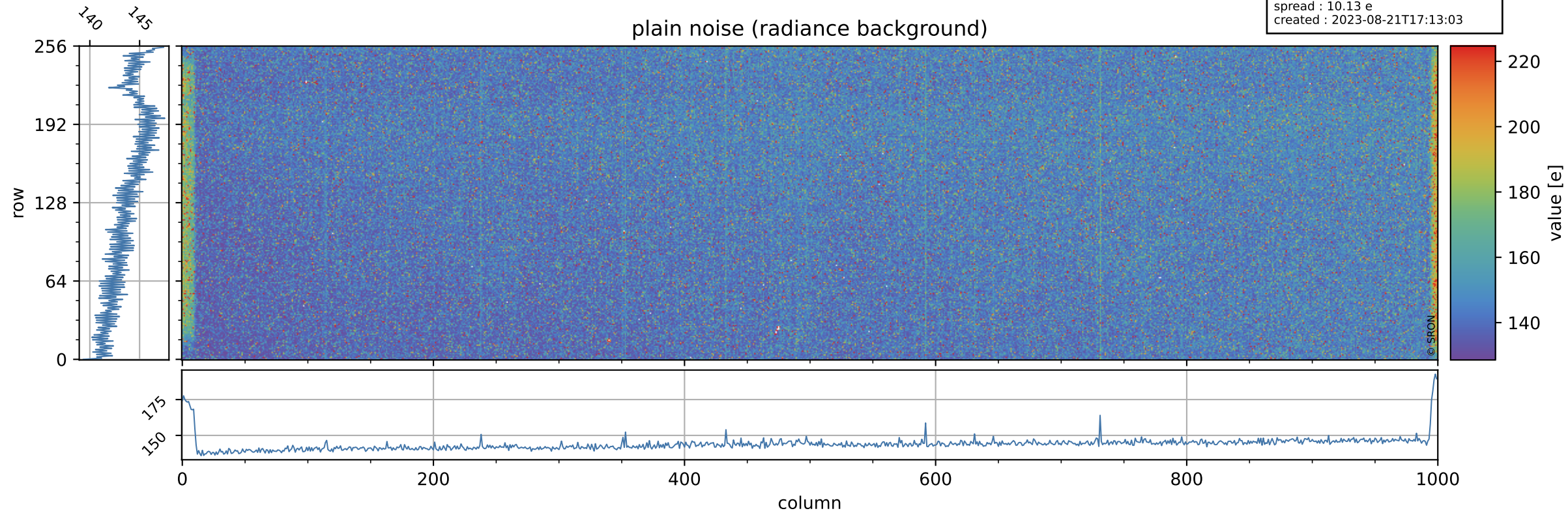
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 10.13 e  
created : 2023-08-21T17:13:03

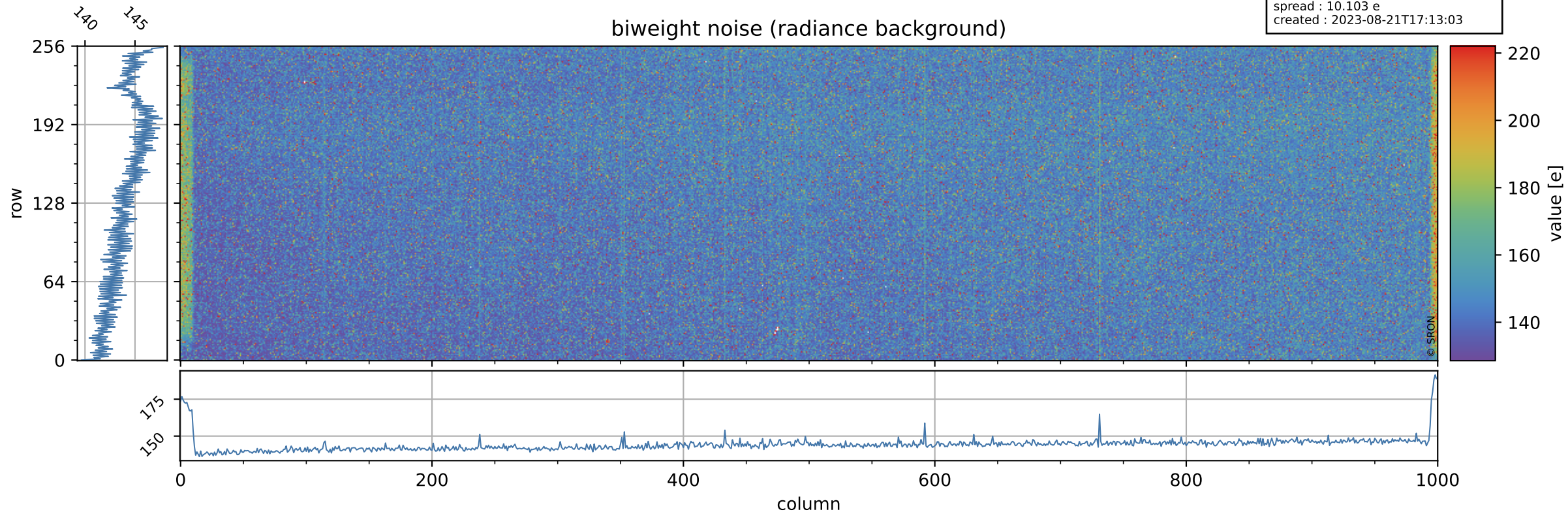
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.94 e  
spread : 10.103 e  
created : 2023-08-21T17:13:03

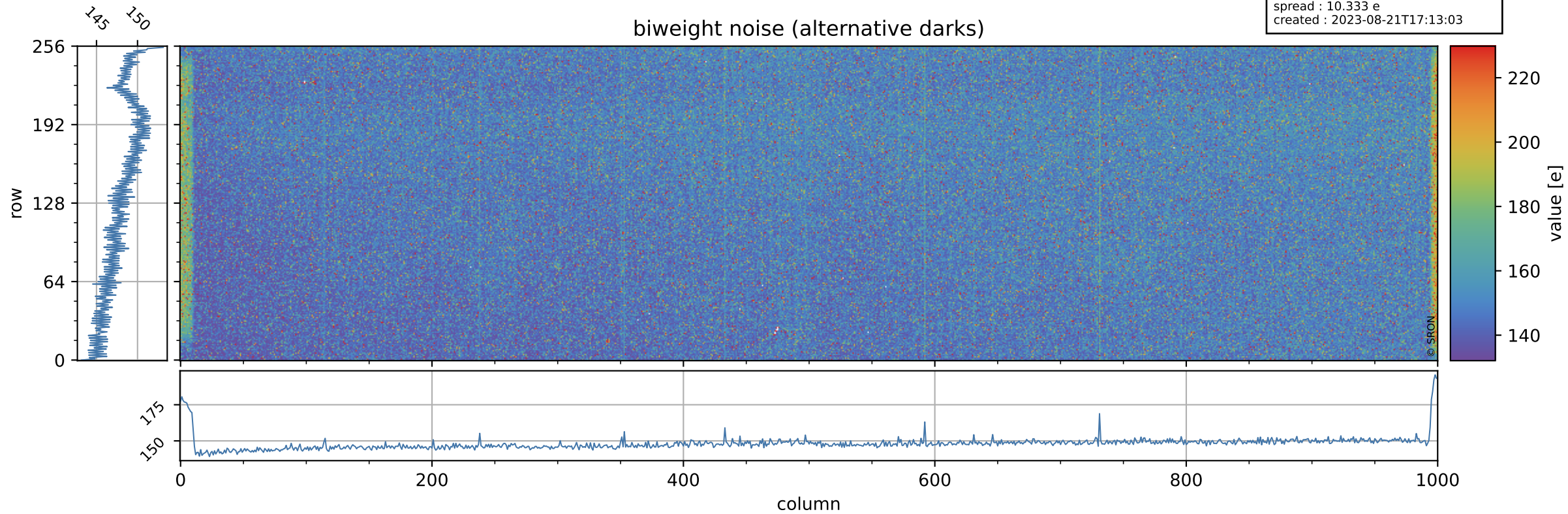
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.9 e  
spread : 10.333 e  
created : 2023-08-21T17:13:03

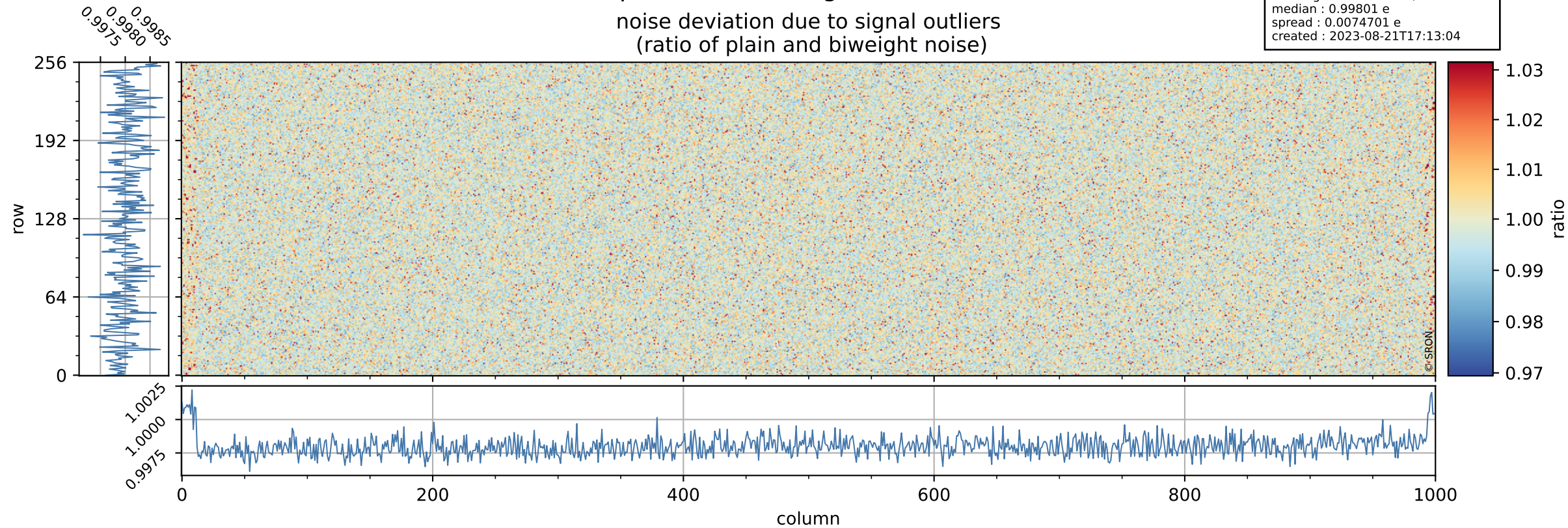
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

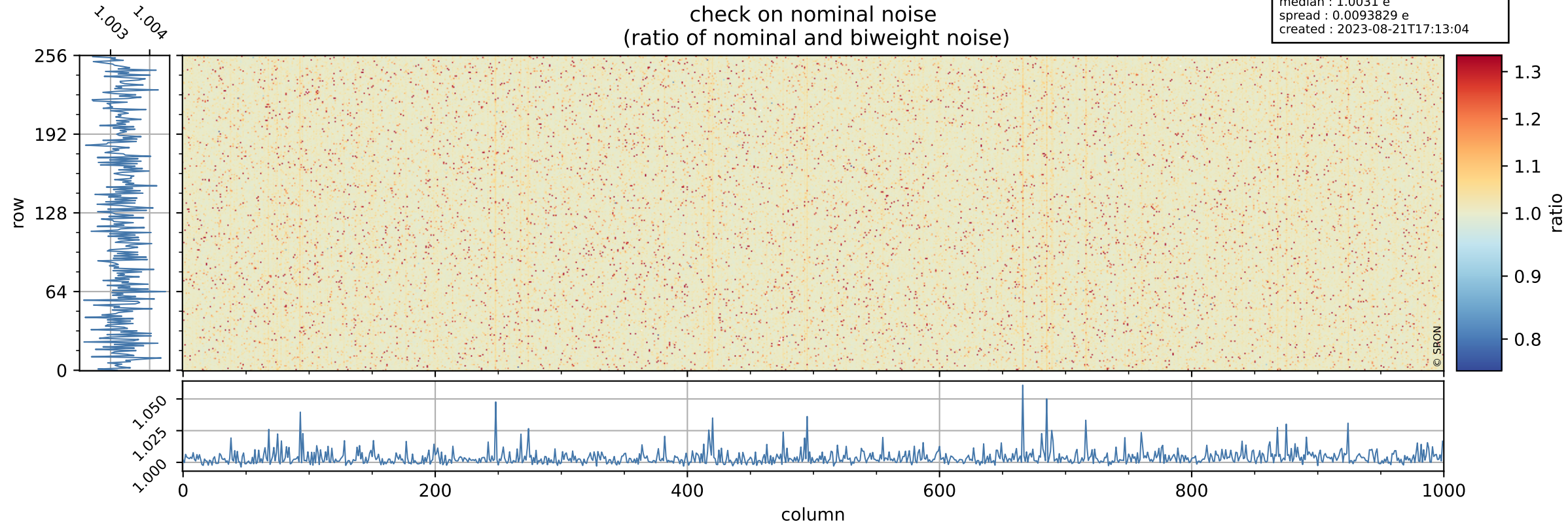
orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
median : 0.99801 e  
spread : 0.0074701 e  
created : 2023-08-21T17:13:04



# Tropomi SWIR background noise (swir)

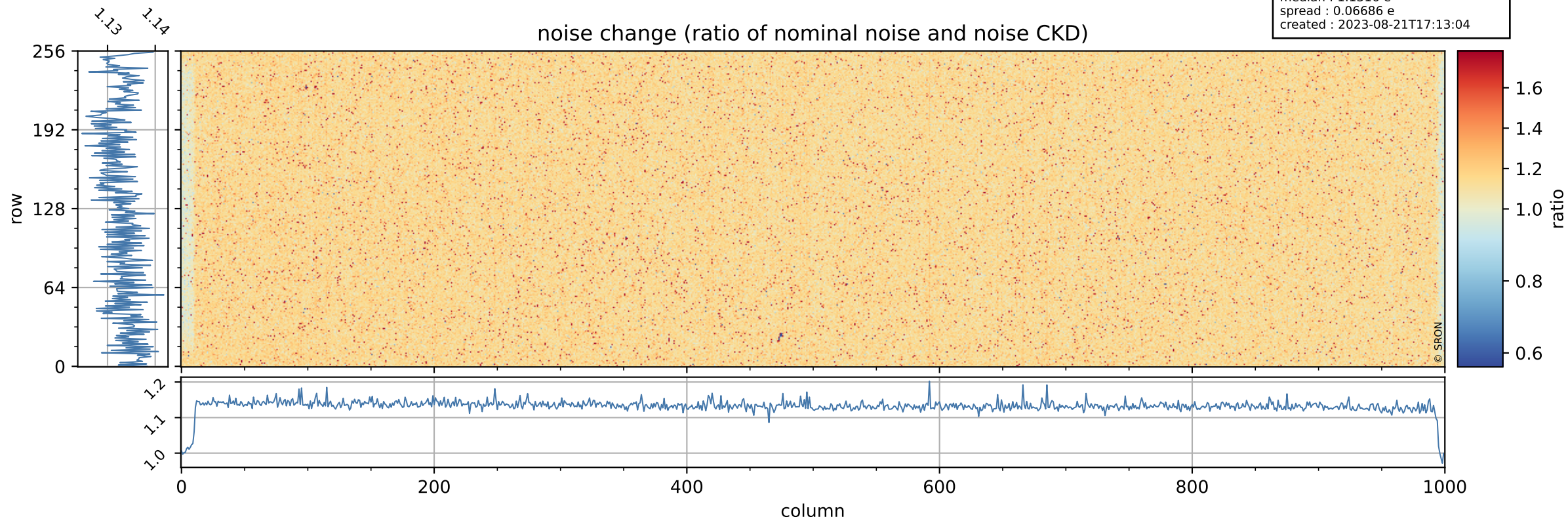
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
median : 1.0031 e  
spread : 0.0093829 e  
created : 2023-08-21T17:13:04



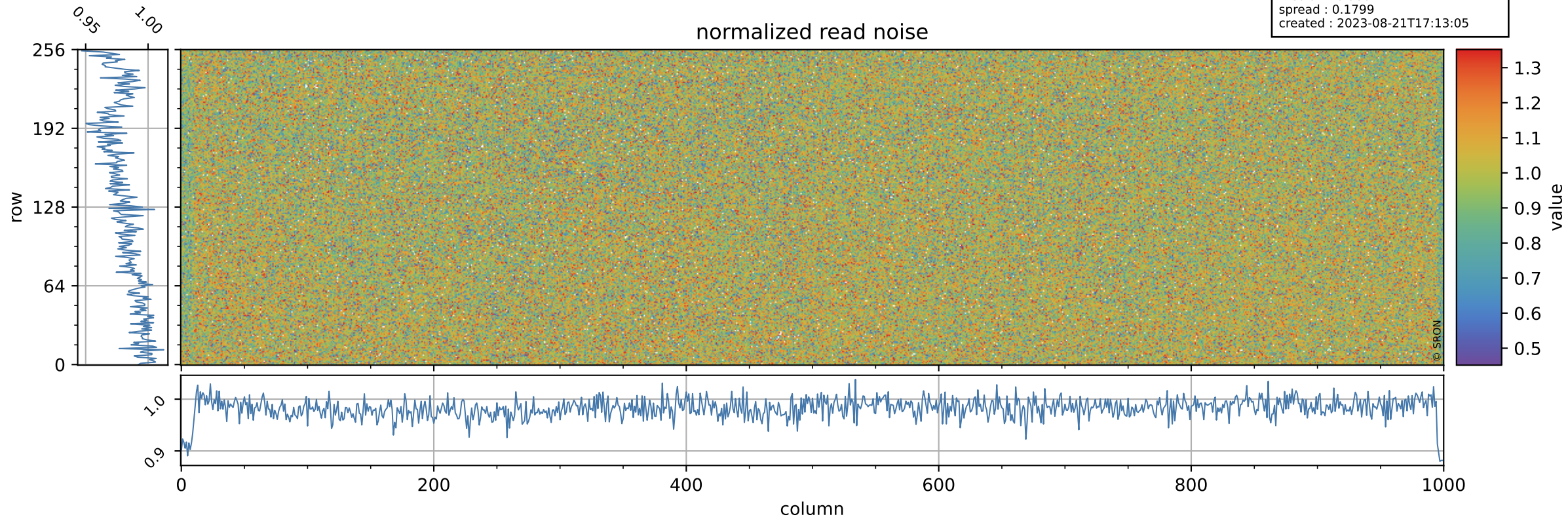
# Tropomi SWIR background noise (swir)

orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
median : 1.1316 e  
spread : 0.06686 e  
created : 2023-08-21T17:13:04



# Tropomi SWIR background noise (swir)

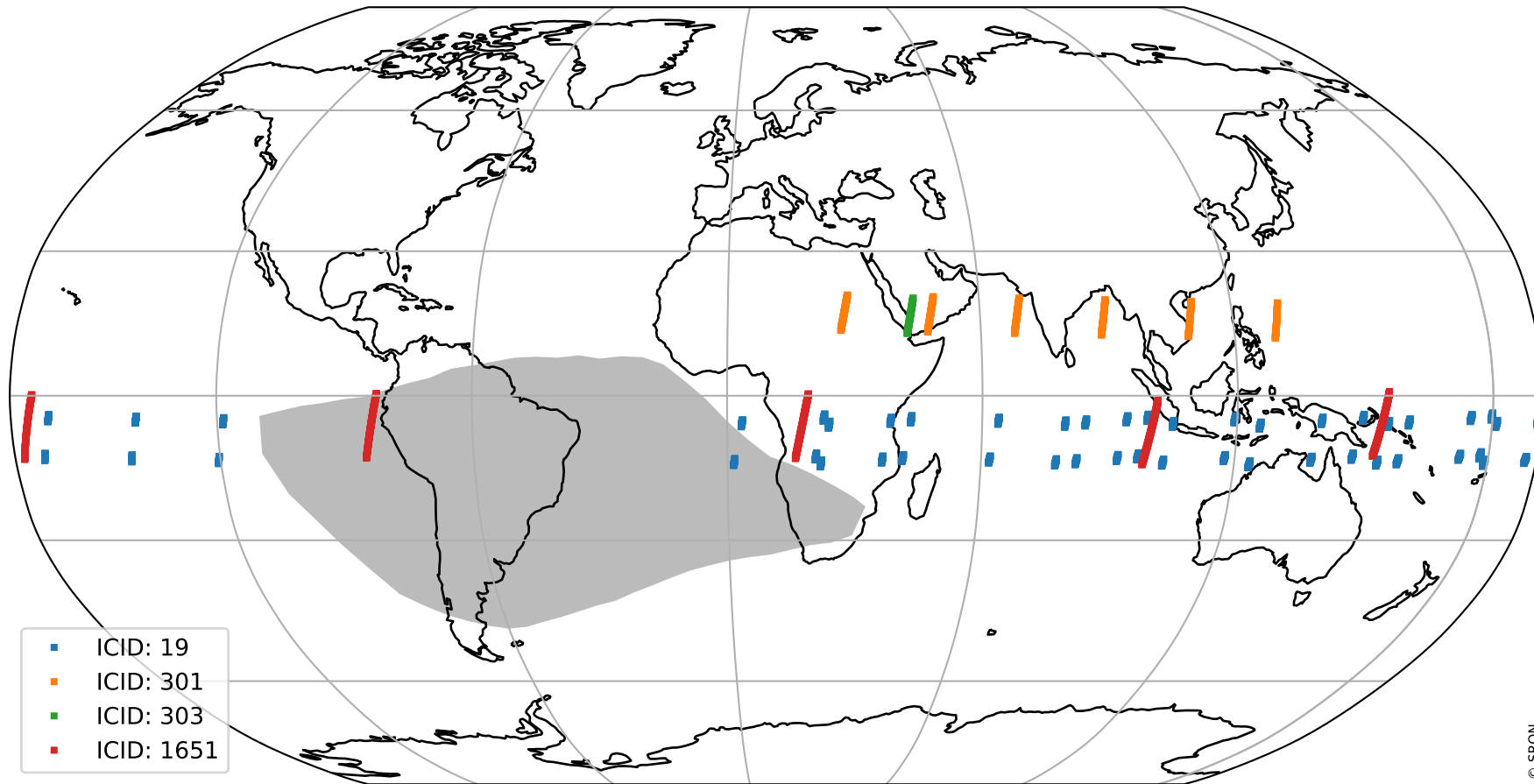
orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
median : 0.9807  
spread : 0.1799  
created : 2023-08-21T17:13:05





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

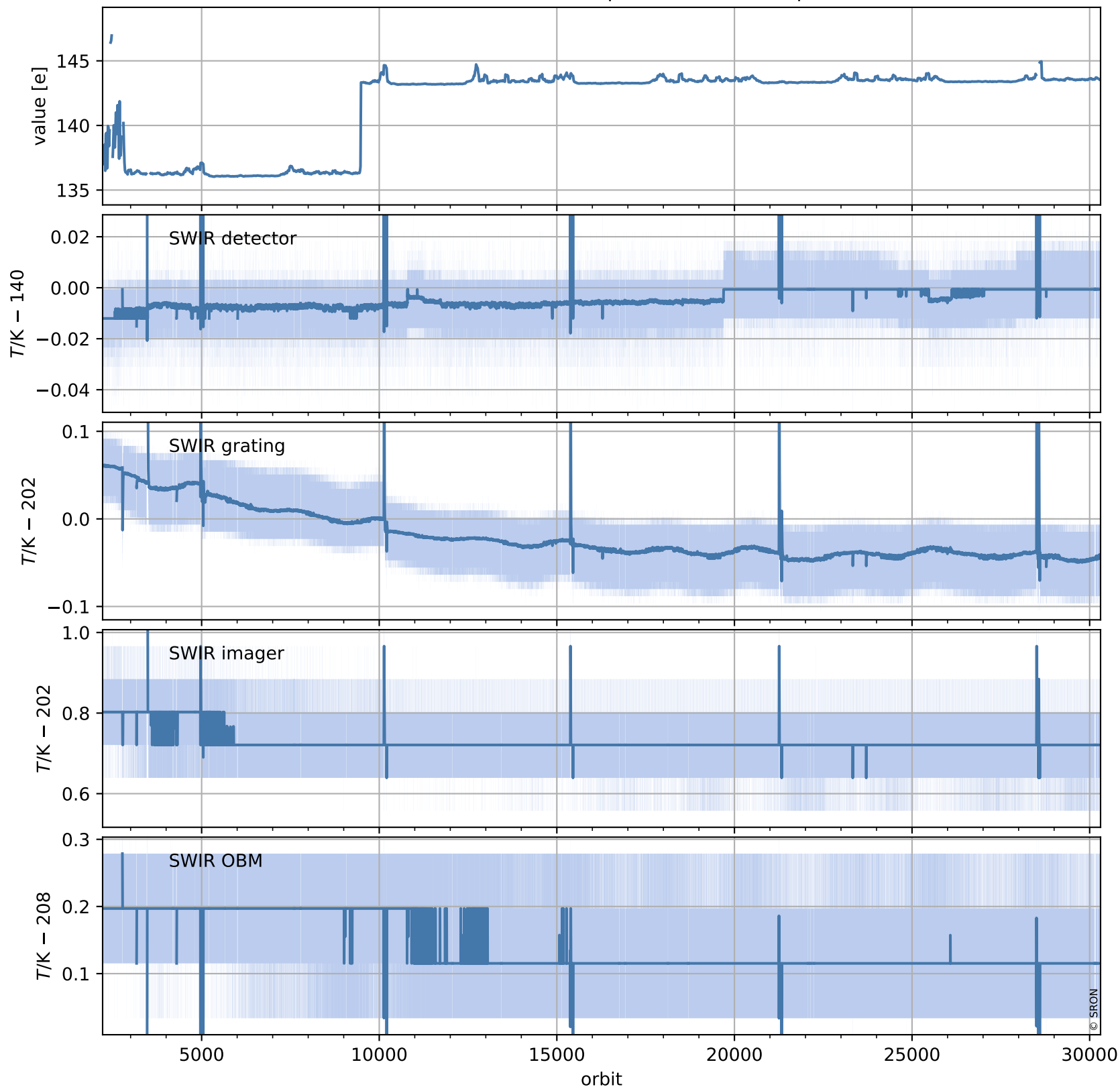
orbits : 12 in [30217, 30307]  
coverage : 2023-08-13 / 2023-08-19  
created : 2023-08-21T17:13:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 30307]  
coverage : 2018-03-18 / 2023-08-19  
created : 2023-08-21T17:13:05

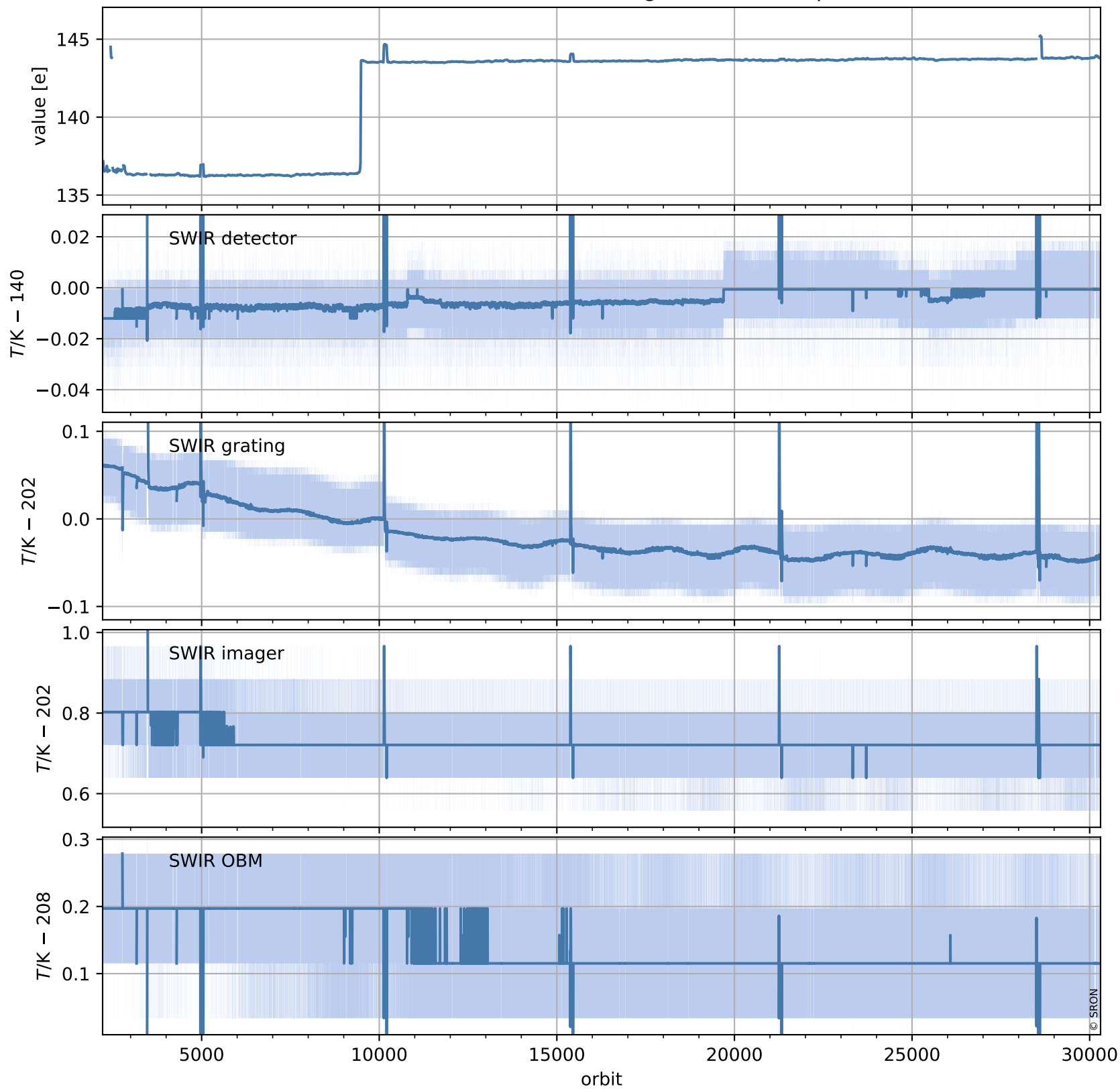
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30307]  
coverage : 2018-03-18 / 2023-08-19  
created : 2023-08-21T17:13:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30307]  
coverage : 2018-03-18 / 2023-08-19  
created : 2023-08-21T17:13:07

## trend of normalized read-noise & temperatures

