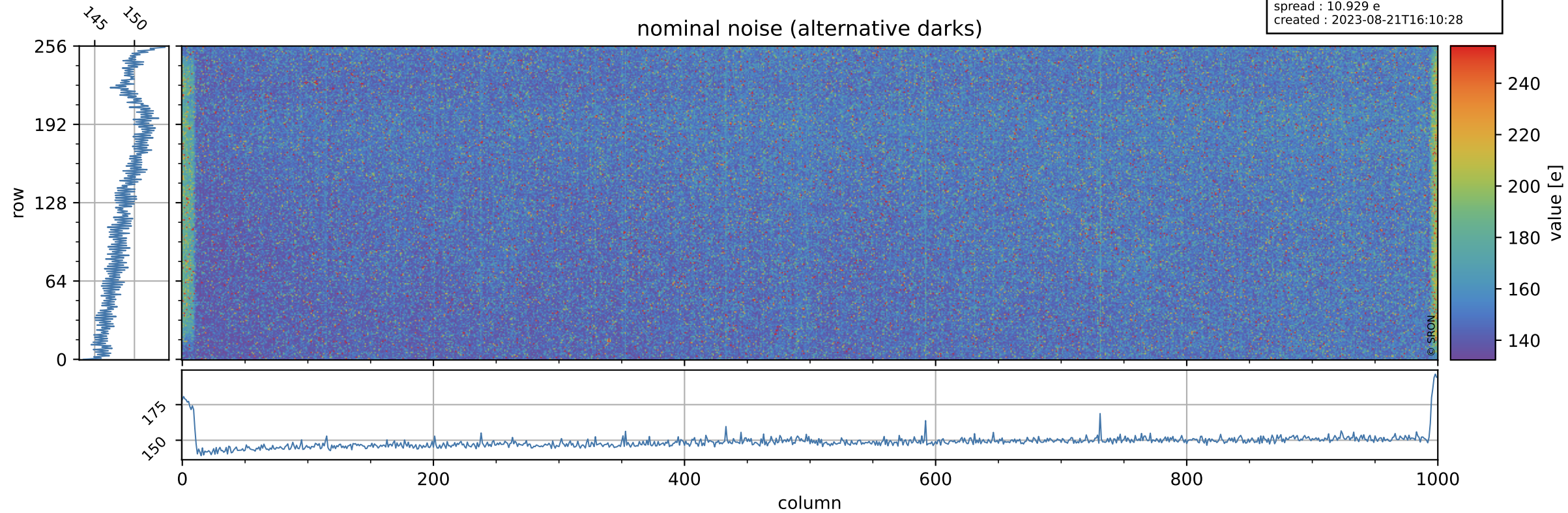


# Tropomi SWIR background noise (swir)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.72 e  
spread : 10.929 e  
created : 2023-08-21T16:10:28

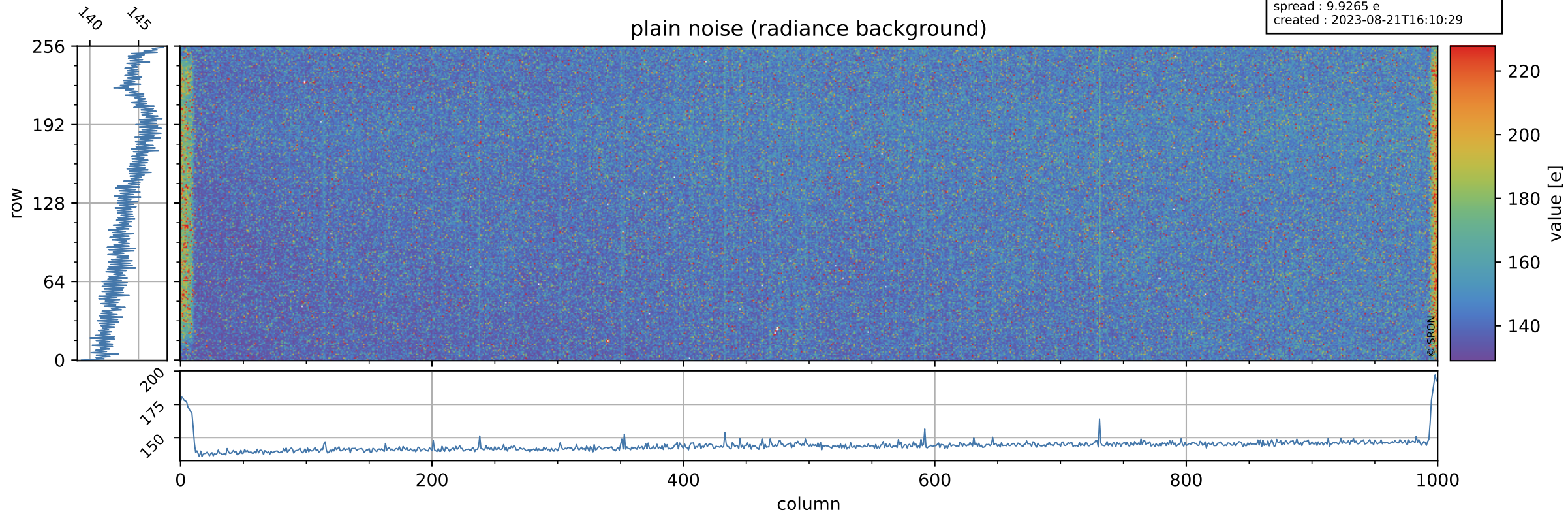
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.9265 e  
created : 2023-08-21T16:10:29

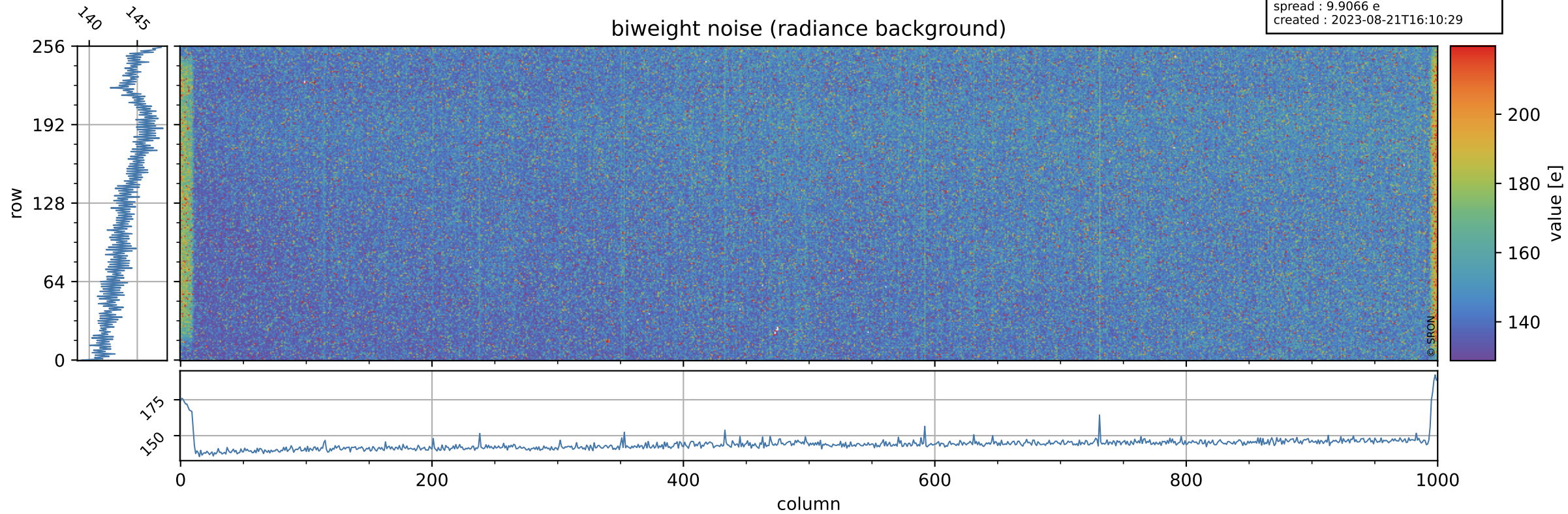
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.9066 e  
created : 2023-08-21T16:10:29

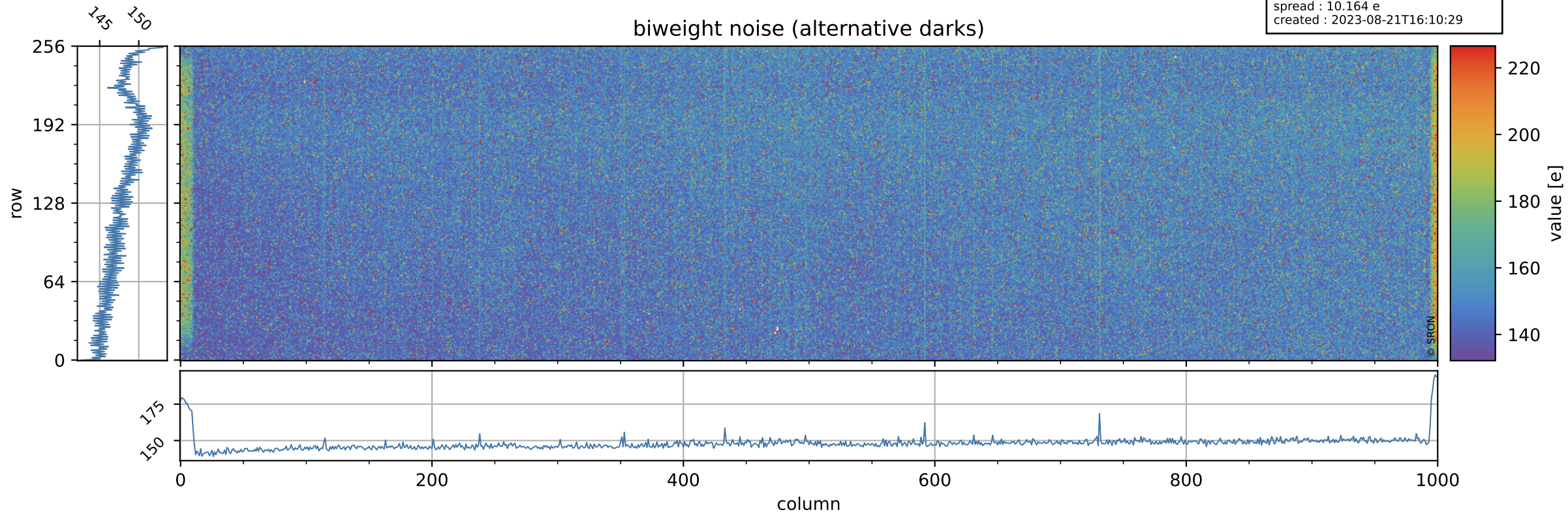
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.164 e  
created : 2023-08-21T16:10:29

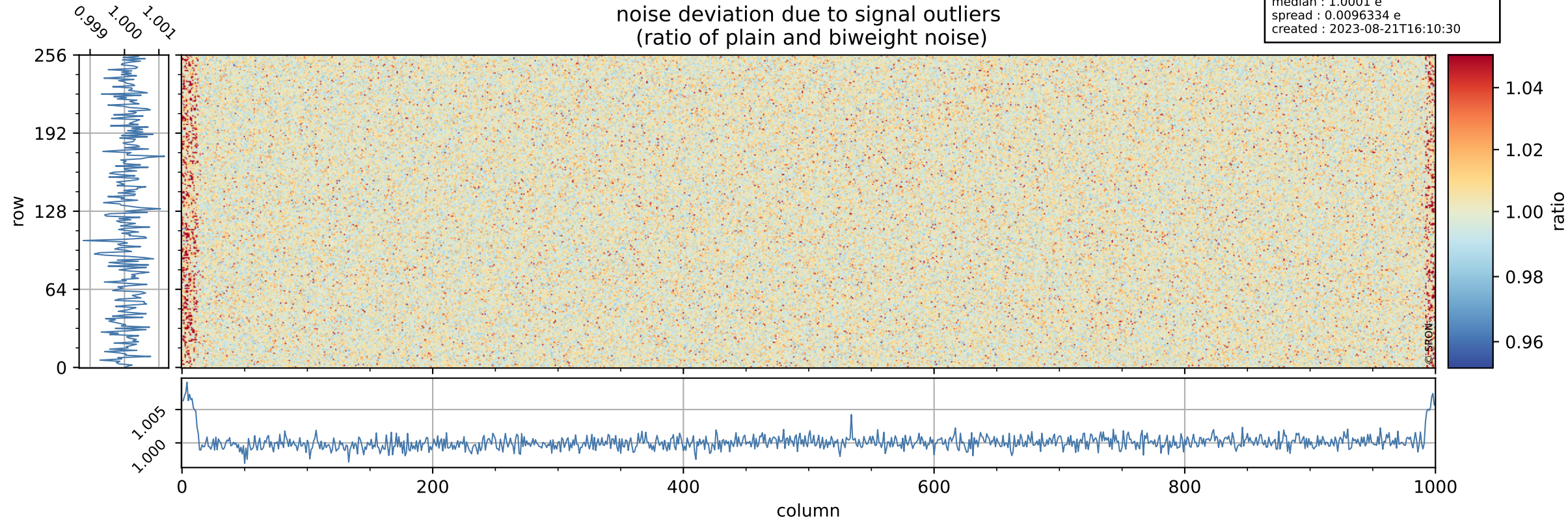
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

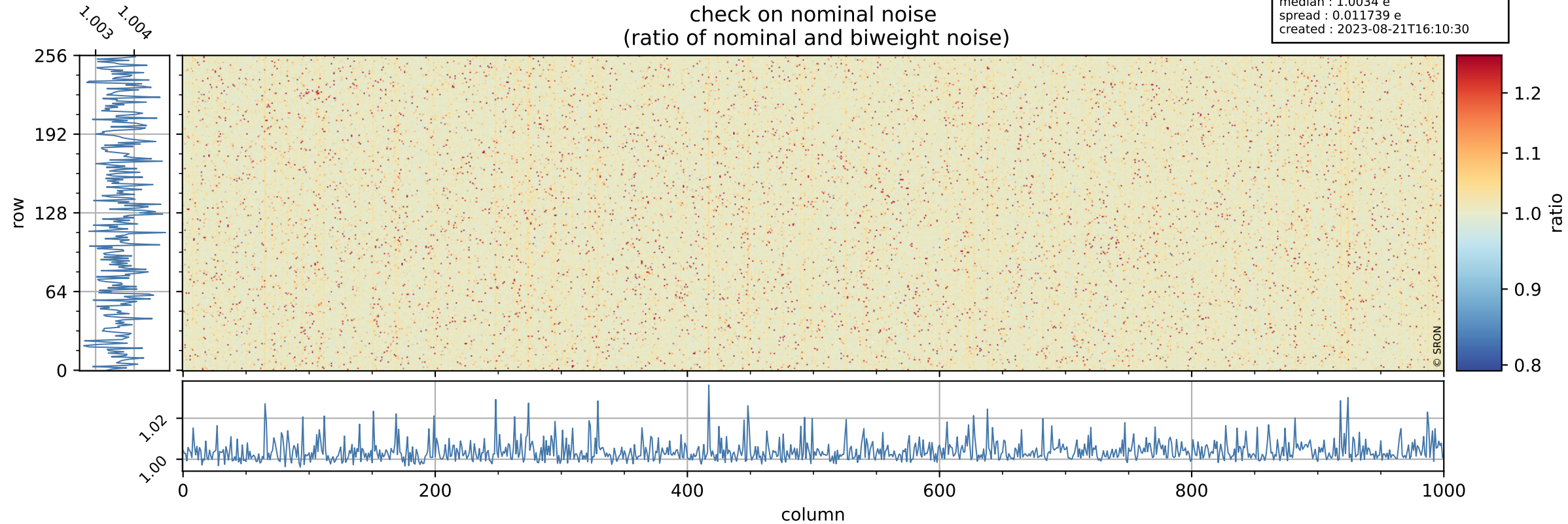
orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
median : 1.0001 e  
spread : 0.0096334 e  
created : 2023-08-21T16:10:30



# Tropomi SWIR background noise (swir)

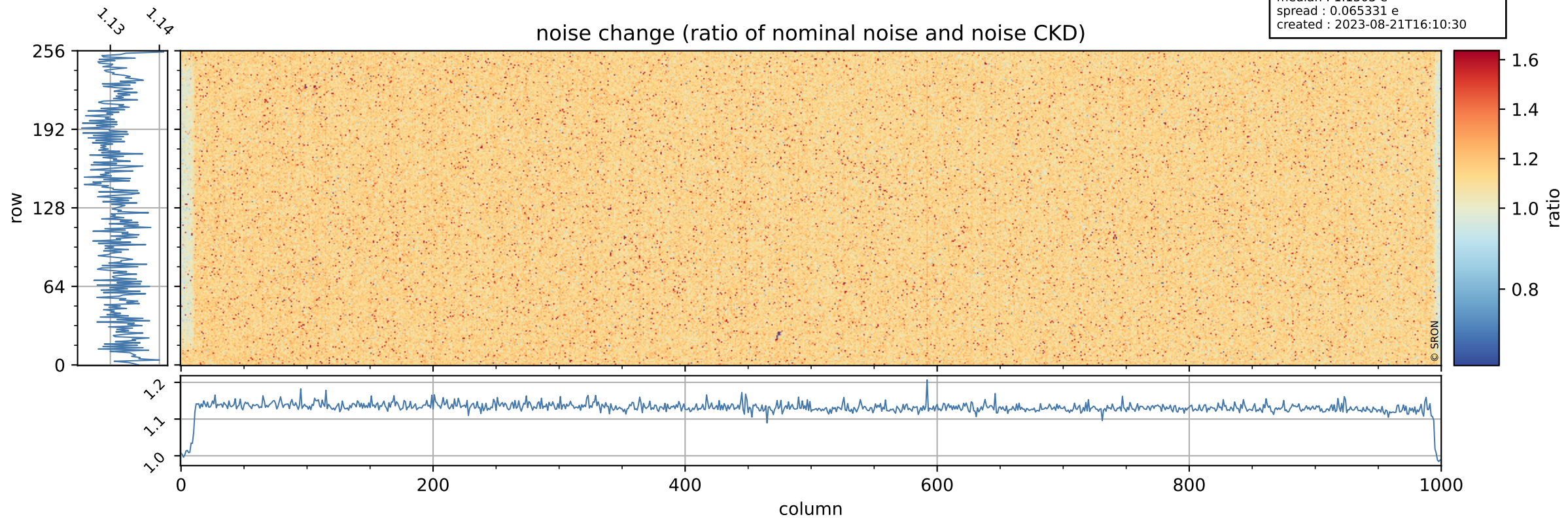
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
median : 1.0034 e  
spread : 0.011739 e  
created : 2023-08-21T16:10:30



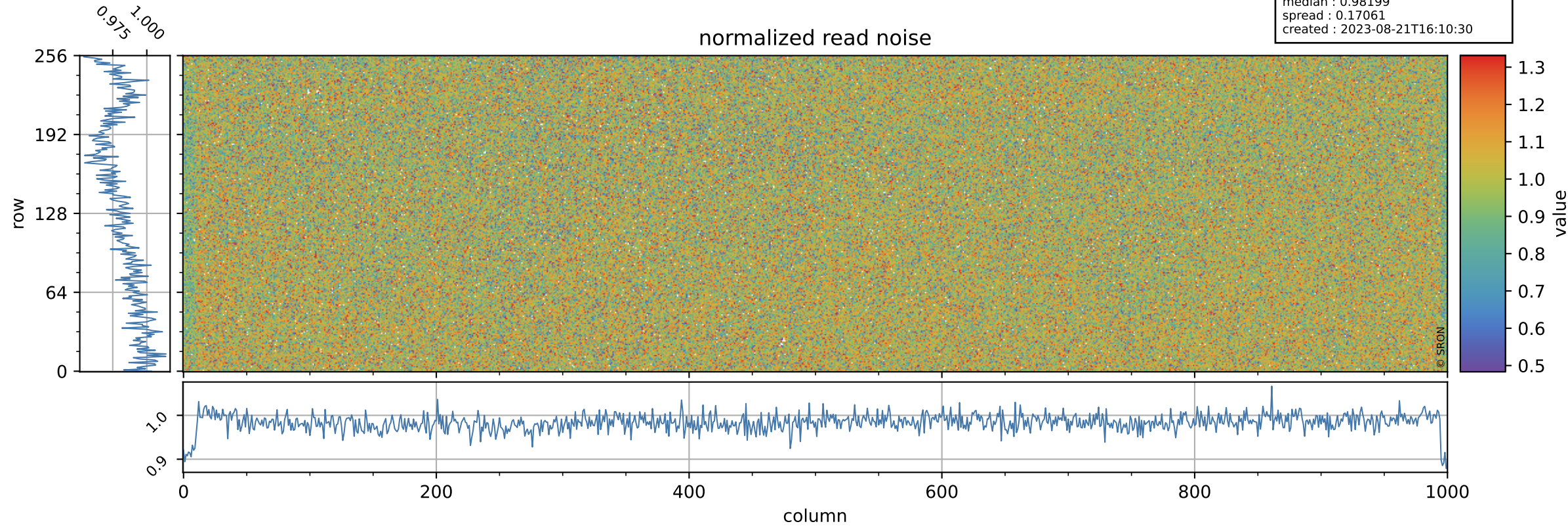
# Tropomi SWIR background noise (swir)

orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
median : 1.1303 e  
spread : 0.065331 e  
created : 2023-08-21T16:10:30



# Tropomi SWIR background noise (swir)

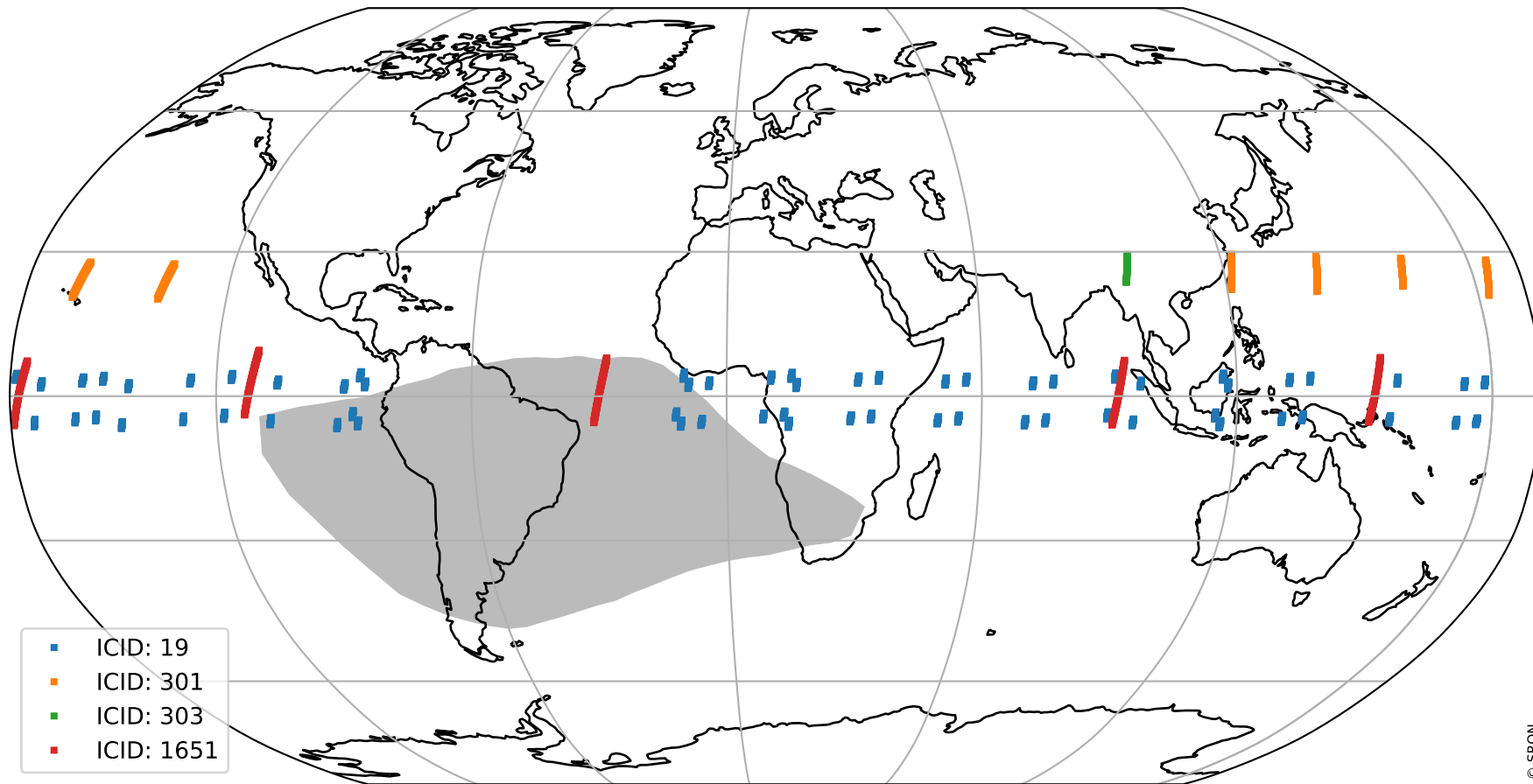
orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
median : 0.98199  
spread : 0.17061  
created : 2023-08-21T16:10:30





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

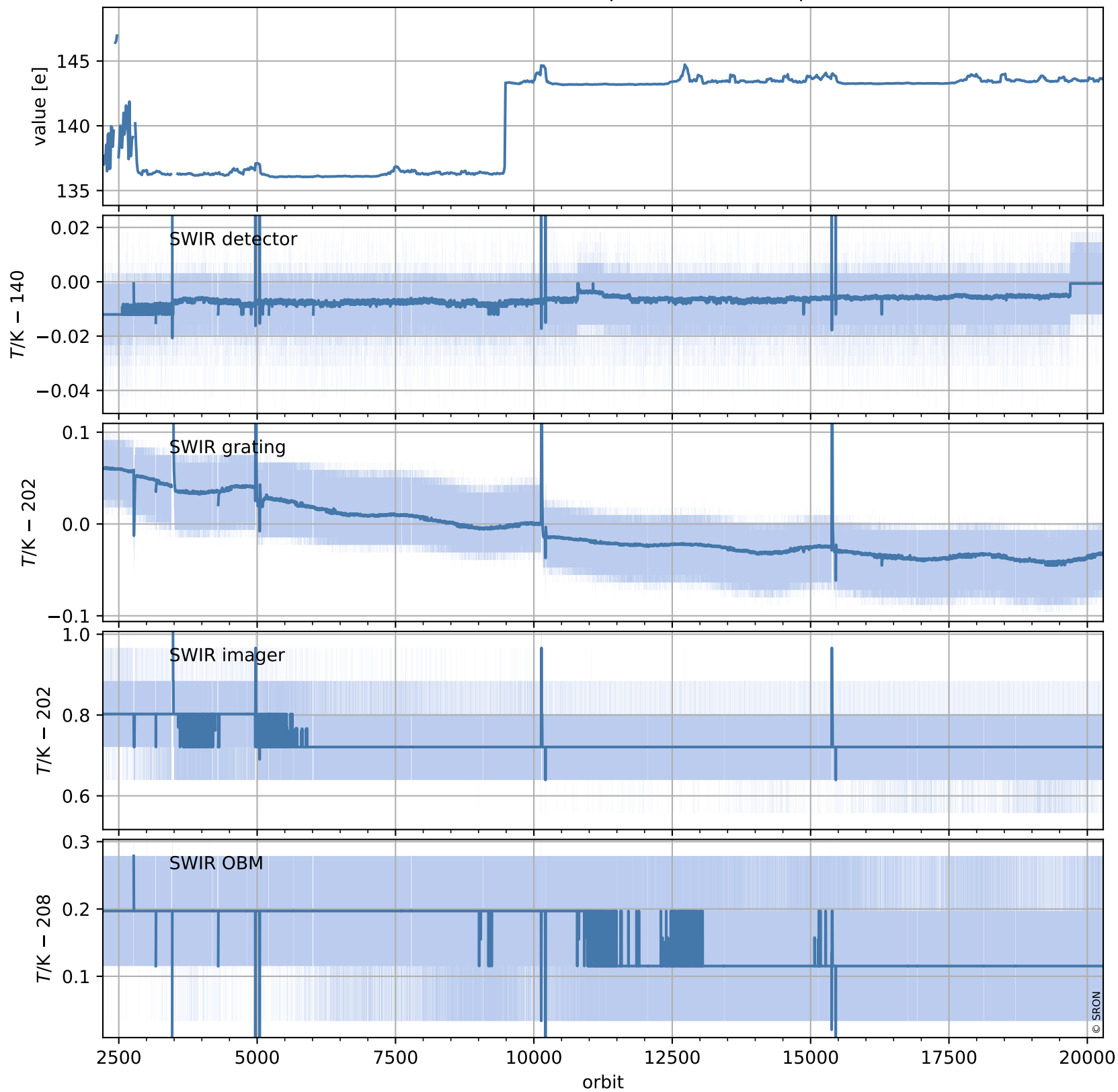
orbits : 12 in [20197, 20287]  
coverage : 2021-09-06 / 2021-09-12  
created : 2023-08-21T16:10:31



# Tropomi SWIR background noise (swir)

orbits : [2212, 20287]  
coverage : 2018-03-18 / 2021-09-12  
created : 2023-08-21T16:10:31

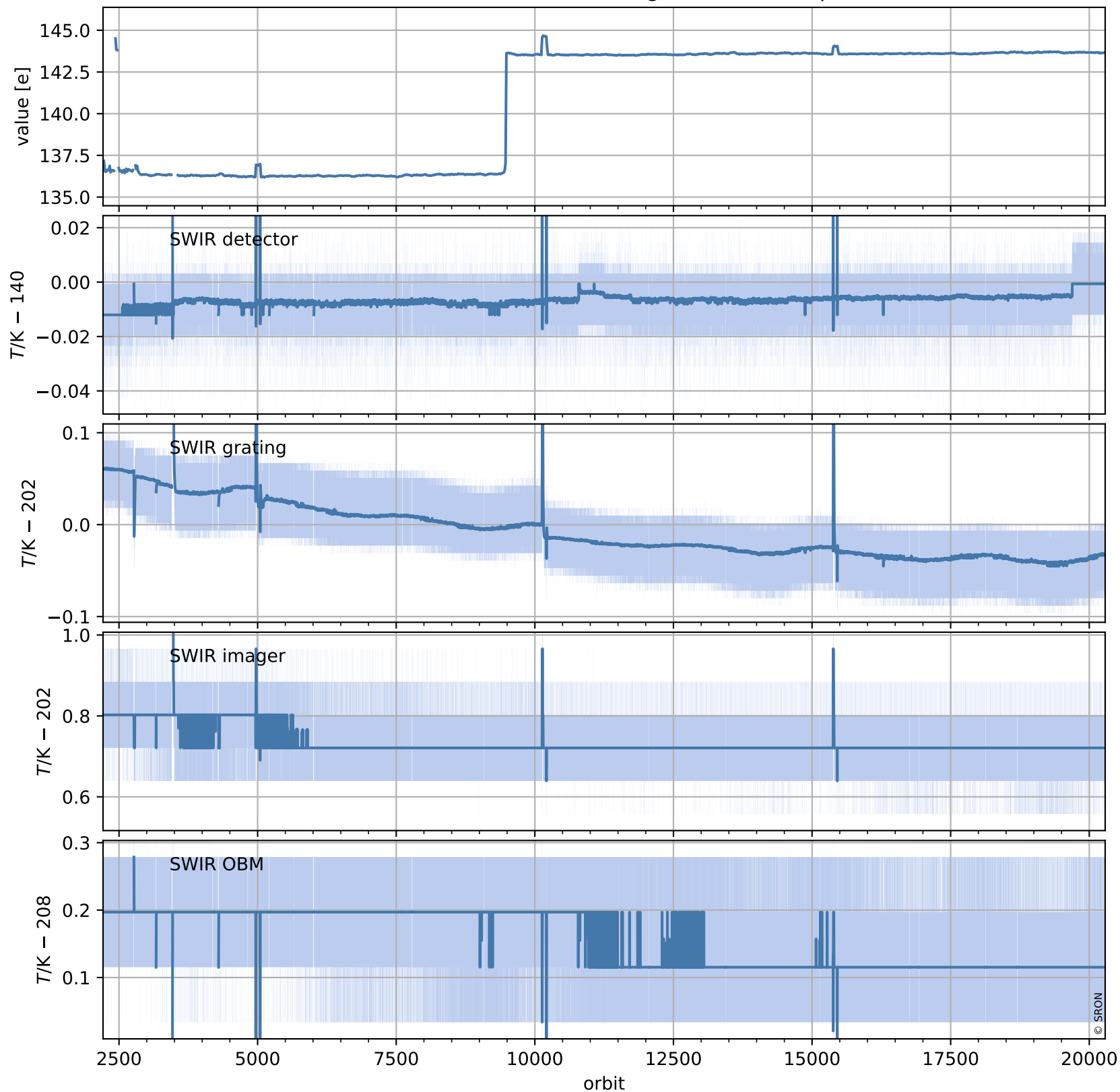
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20287]  
coverage : 2018-03-18 / 2021-09-12  
created : 2023-08-21T16:10:32

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20287]  
coverage : 2018-03-18 / 2021-09-12  
created : 2023-08-21T16:10:33

## trend of normalized read-noise & temperatures

