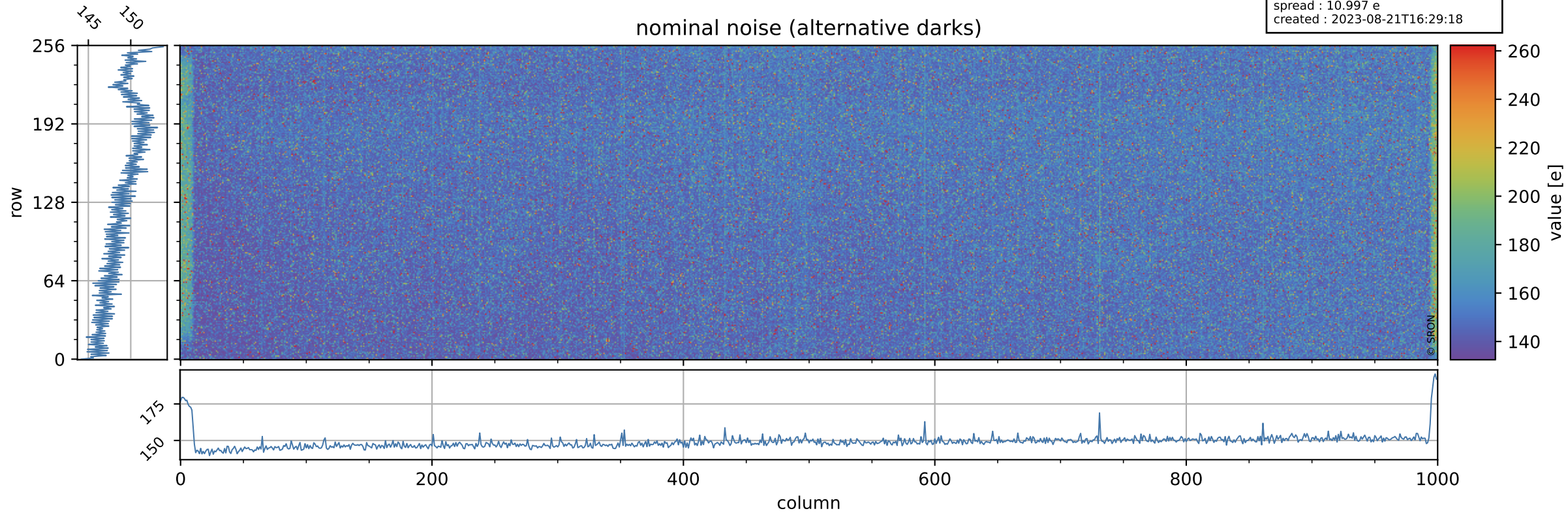


# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
n\_coad, t\_exp : 1, 1.0783  
median : 148.86 e  
spread : 10.997 e  
created : 2023-08-21T16:29:18

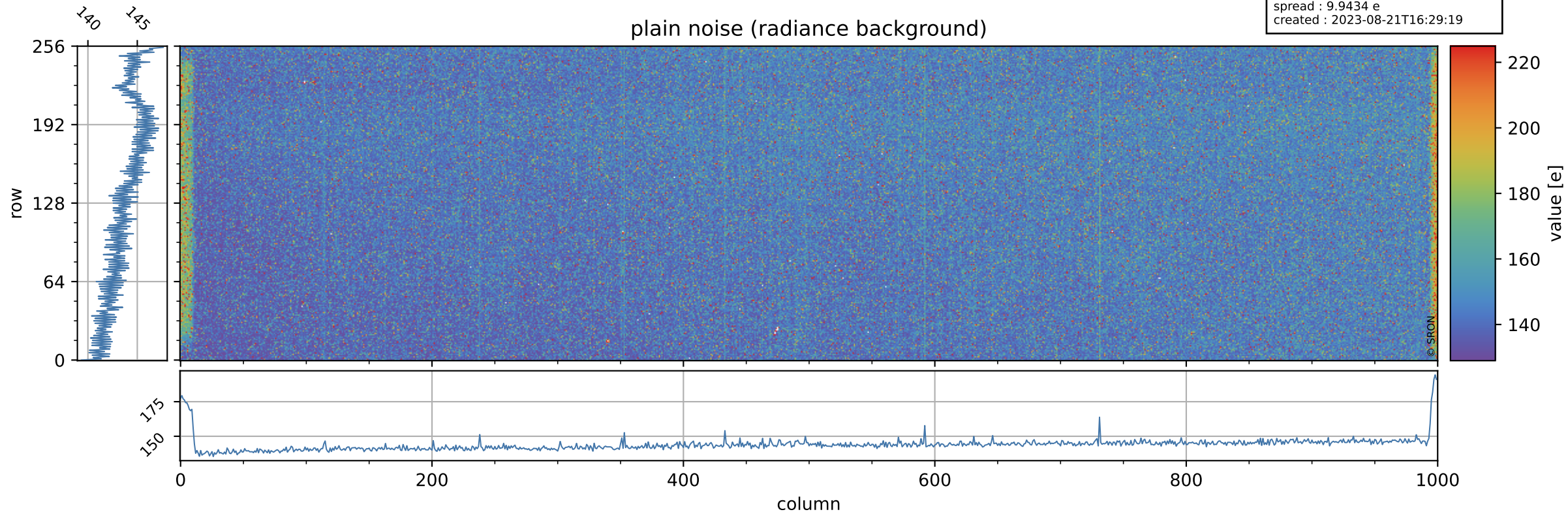
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 9.9434 e  
created : 2023-08-21T16:29:19

## plain noise (radiance background)

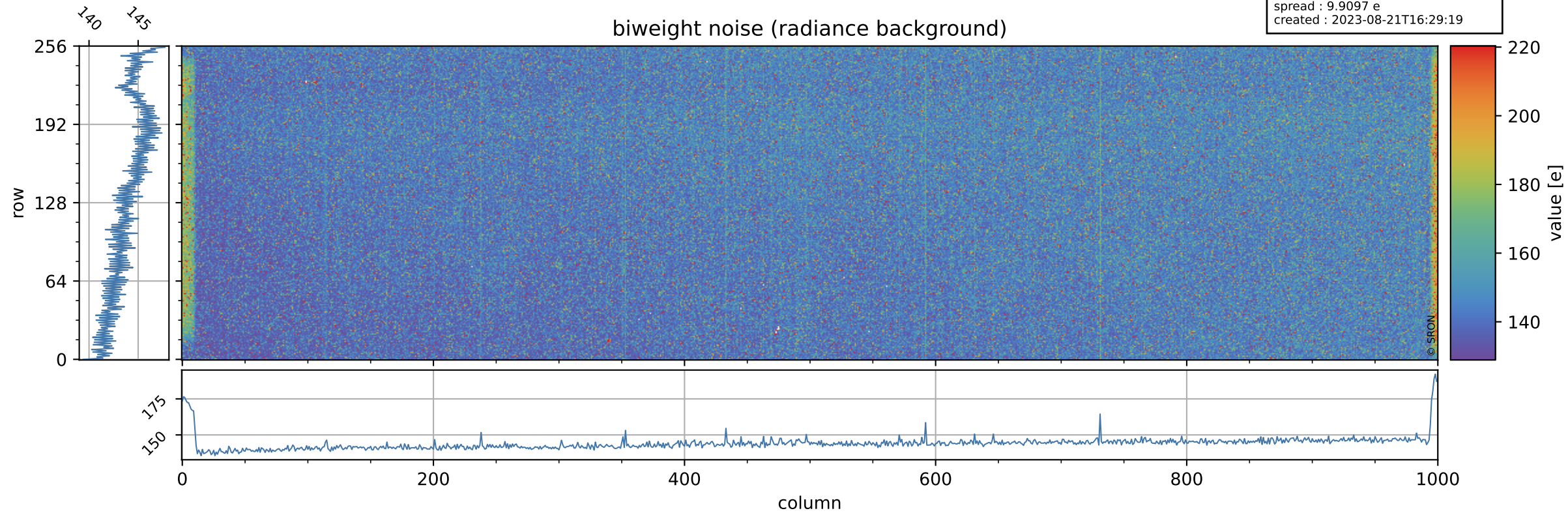




# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.9097 e  
created : 2023-08-21T16:29:19

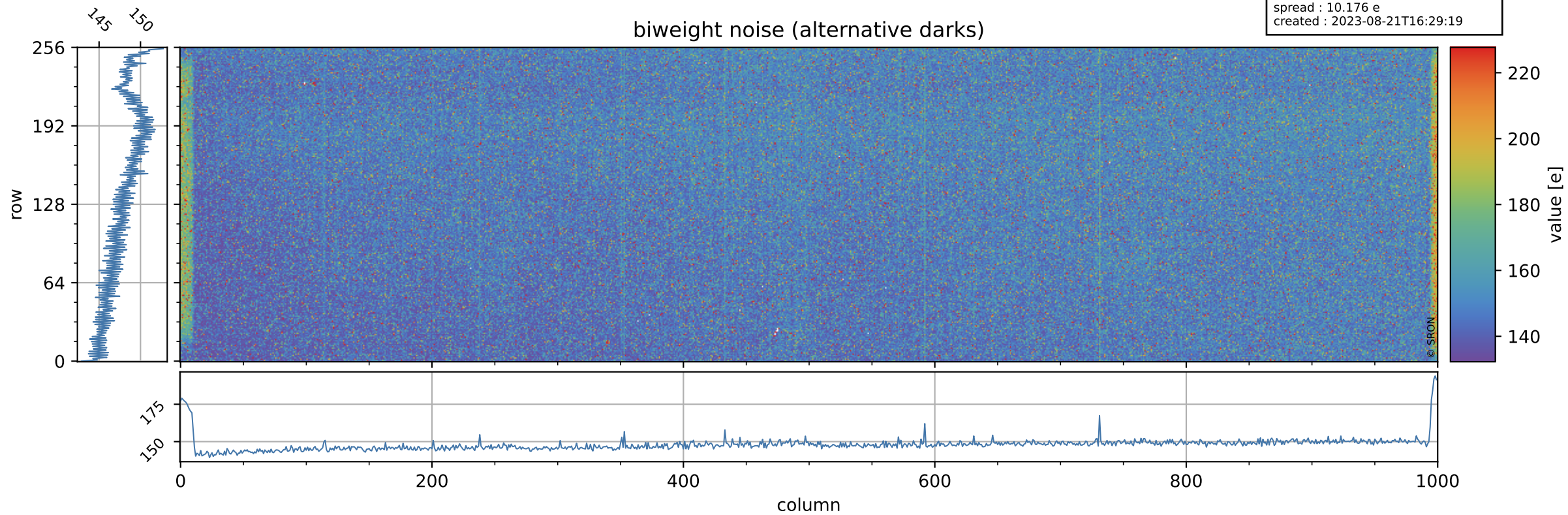
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.176 e  
created : 2023-08-21T16:29:19

## biweight noise (alternative darks)

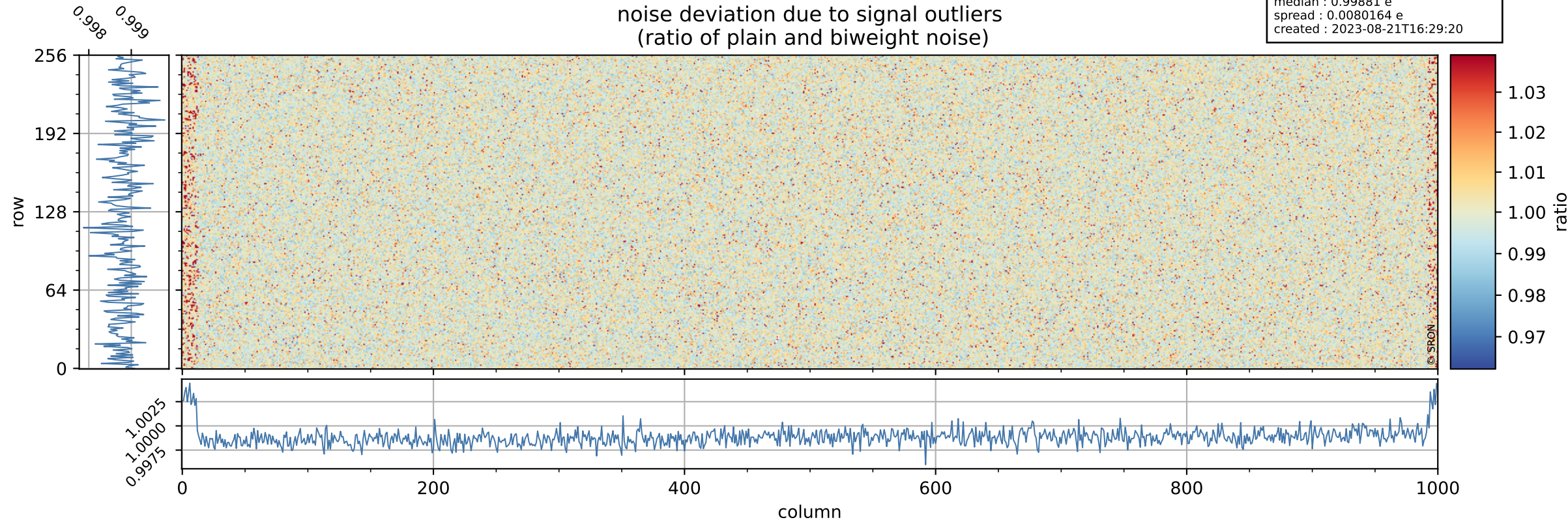




# Tropomi SWIR background noise (swir)

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

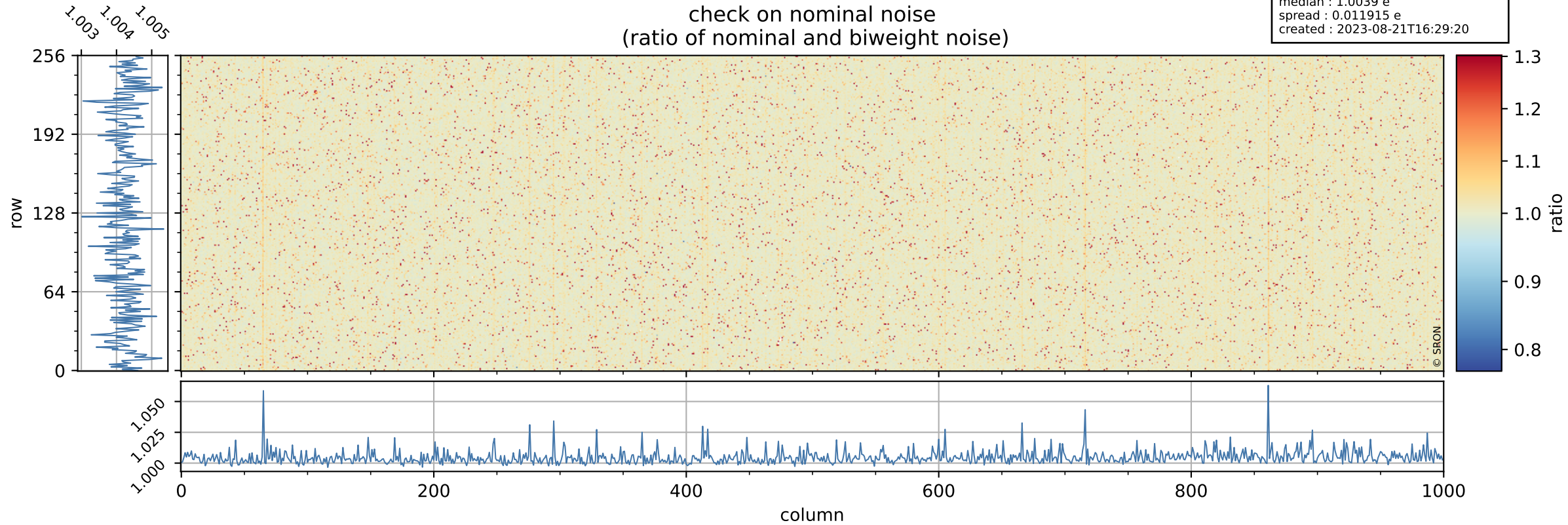
orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
median : 0.99881 e  
spread : 0.0080164 e  
created : 2023-08-21T16:29:20



# Tropomi SWIR background noise (swir)

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

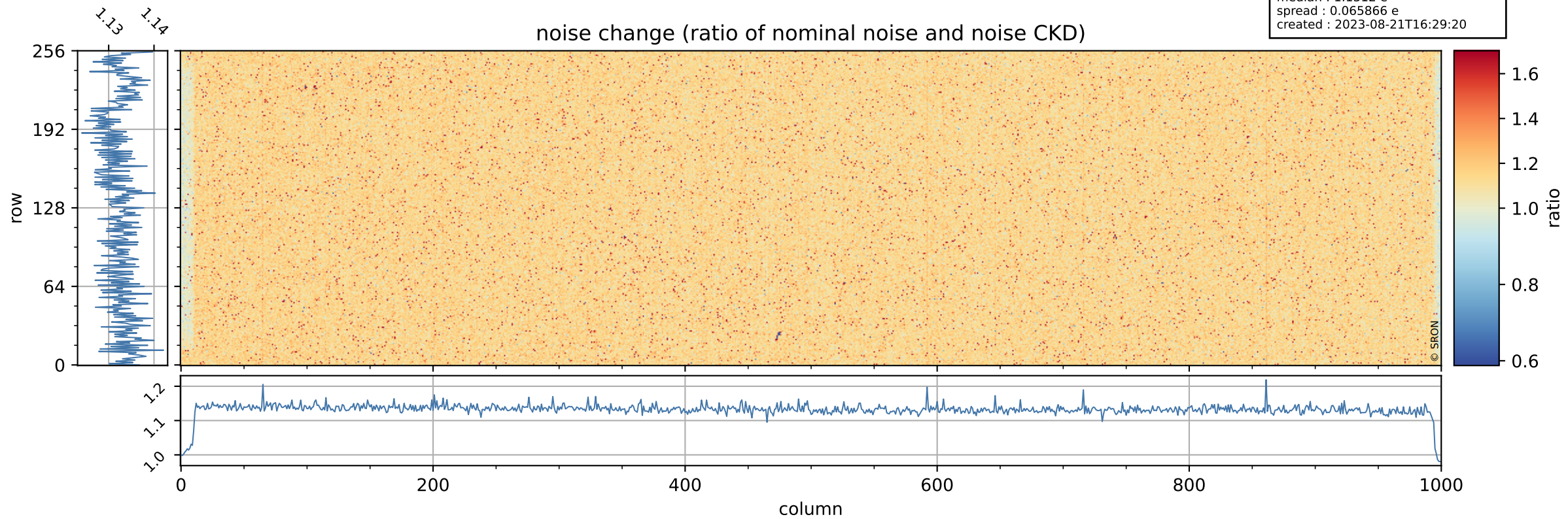
orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
median : 1.0039 e  
spread : 0.011915 e  
created : 2023-08-21T16:29:20





# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
median : 1.1312 e  
spread : 0.065866 e  
created : 2023-08-21T16:29:20

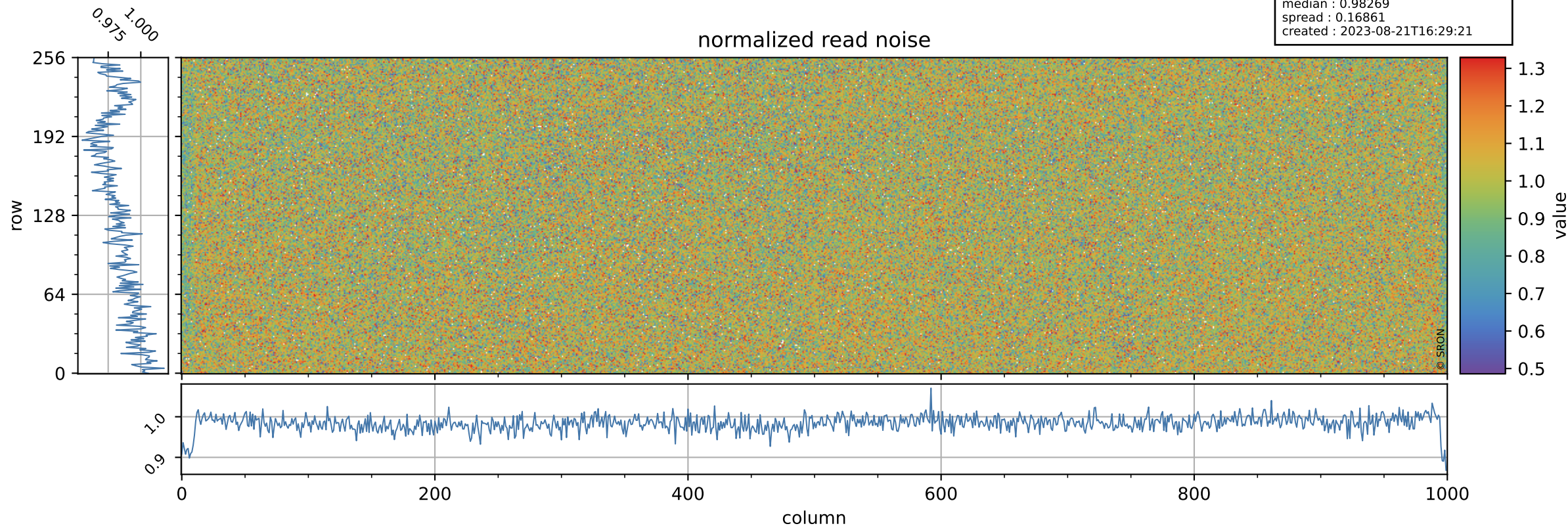




# Tropomi SWIR background noise (swir)

orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
median : 0.98269  
spread : 0.16861  
created : 2023-08-21T16:29:21

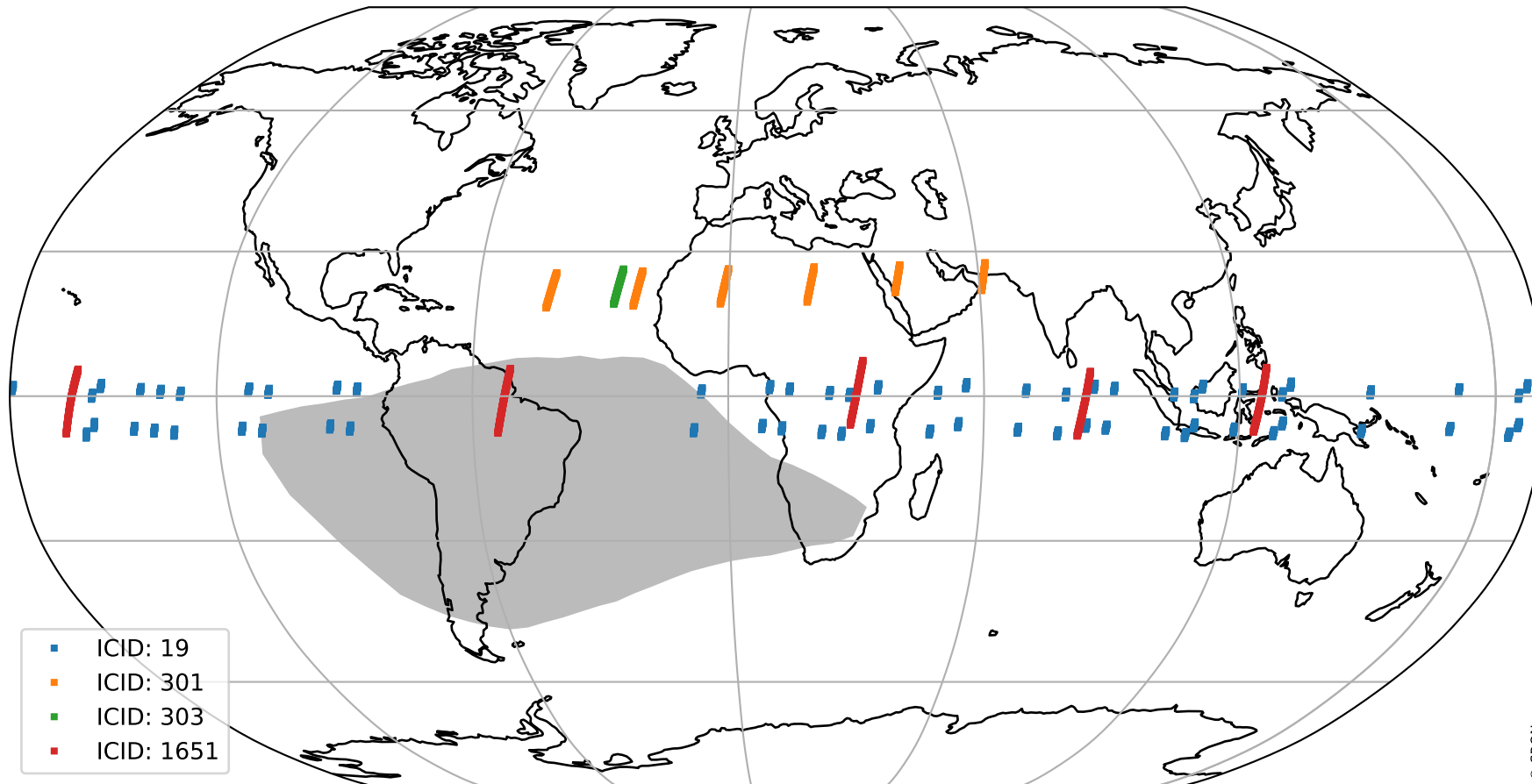
normalized read noise





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

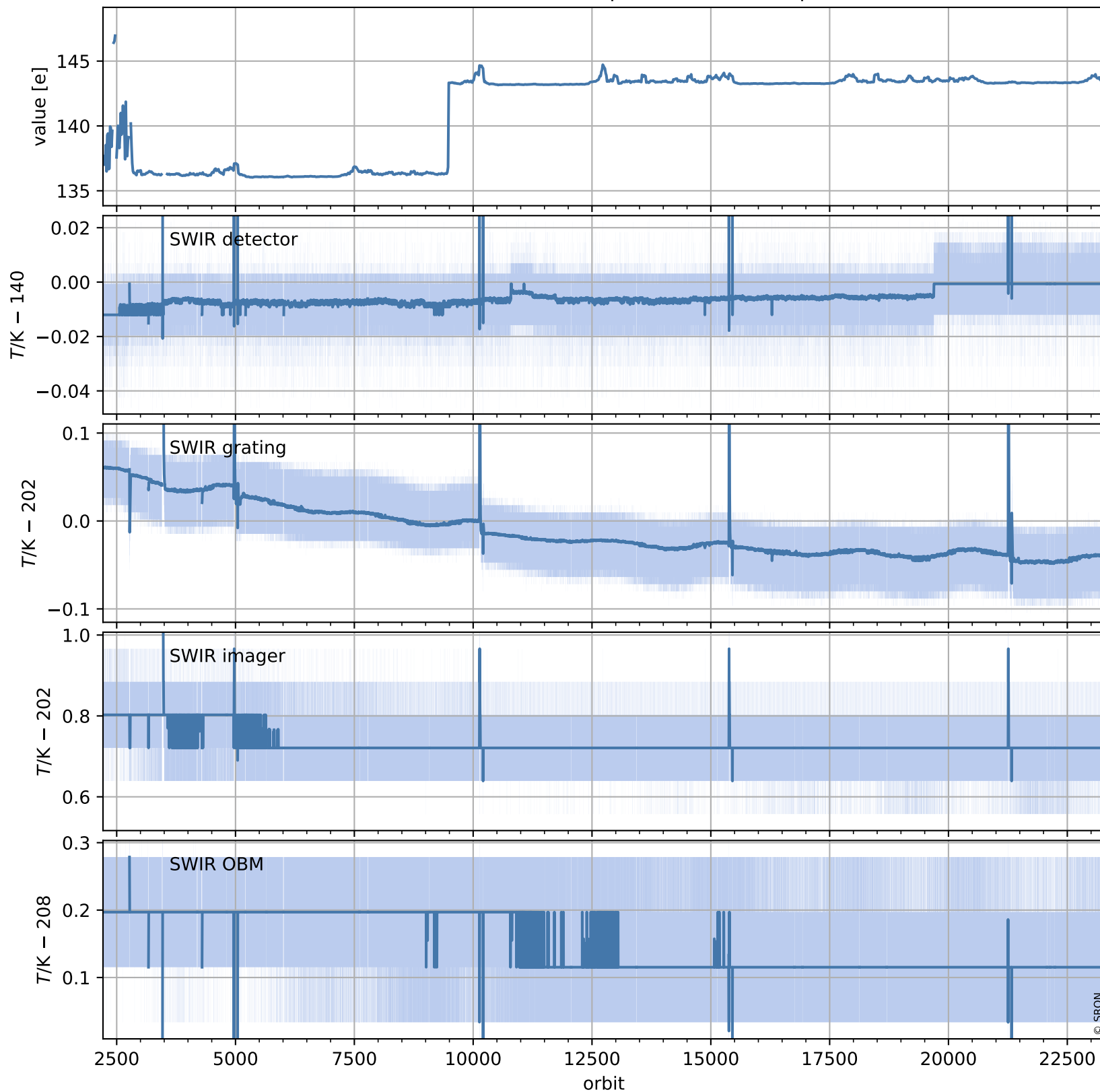
orbits : 12 in [23197, 23287]  
coverage : 2022-04-05 / 2022-04-11  
created : 2023-08-21T16:29:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 23287]  
coverage : 2018-03-18 / 2022-04-11  
created : 2023-08-21T16:29:21

## trend of detector median of plain noise & temperatures

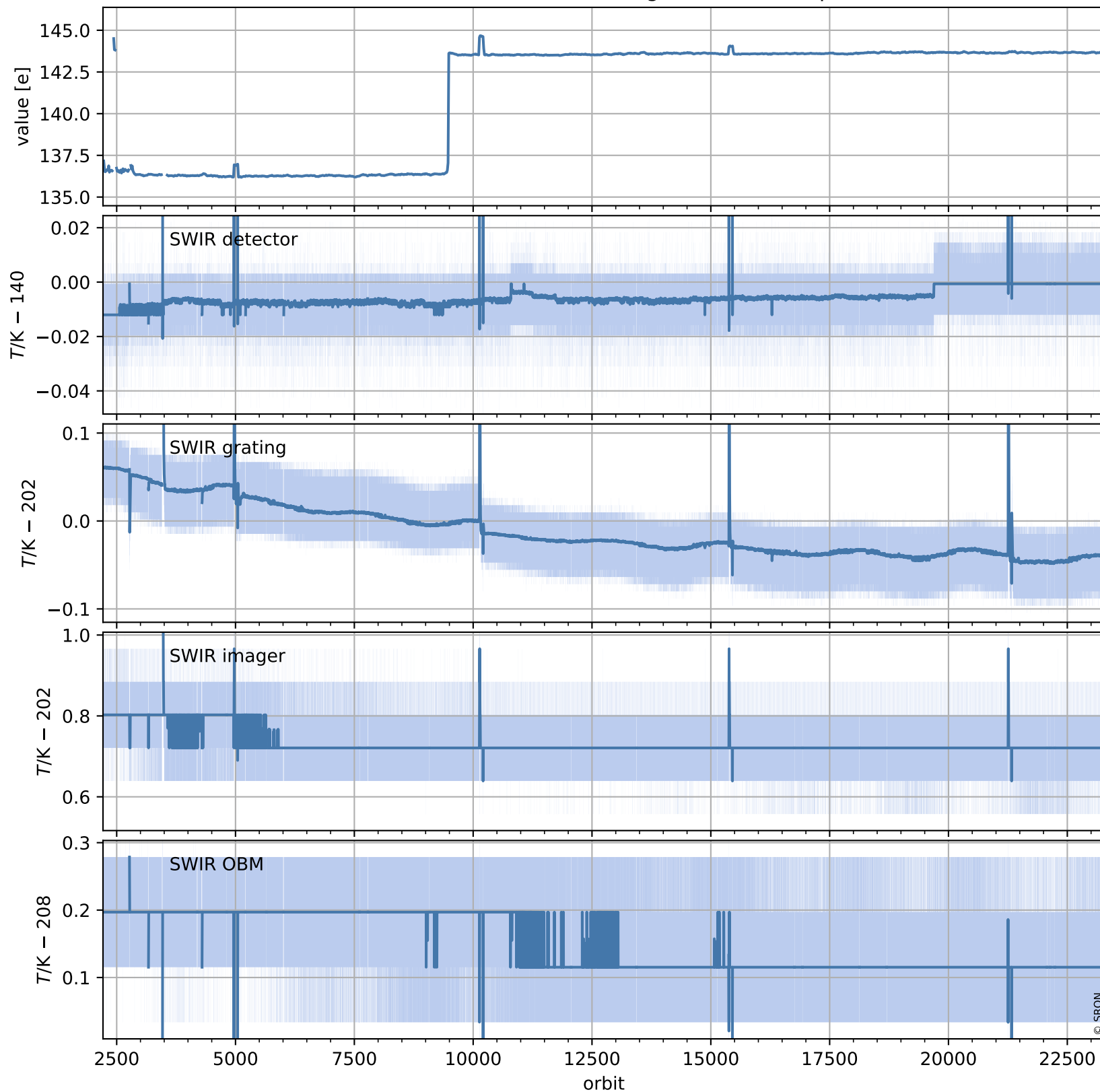




# Tropomi SWIR background noise (swir)

orbits : [2212, 23287]  
coverage : 2018-03-18 / 2022-04-11  
created : 2023-08-21T16:29:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23287]  
coverage : 2018-03-18 / 2022-04-11  
created : 2023-08-21T16:29:23

## trend of normalized read-noise & temperatures

