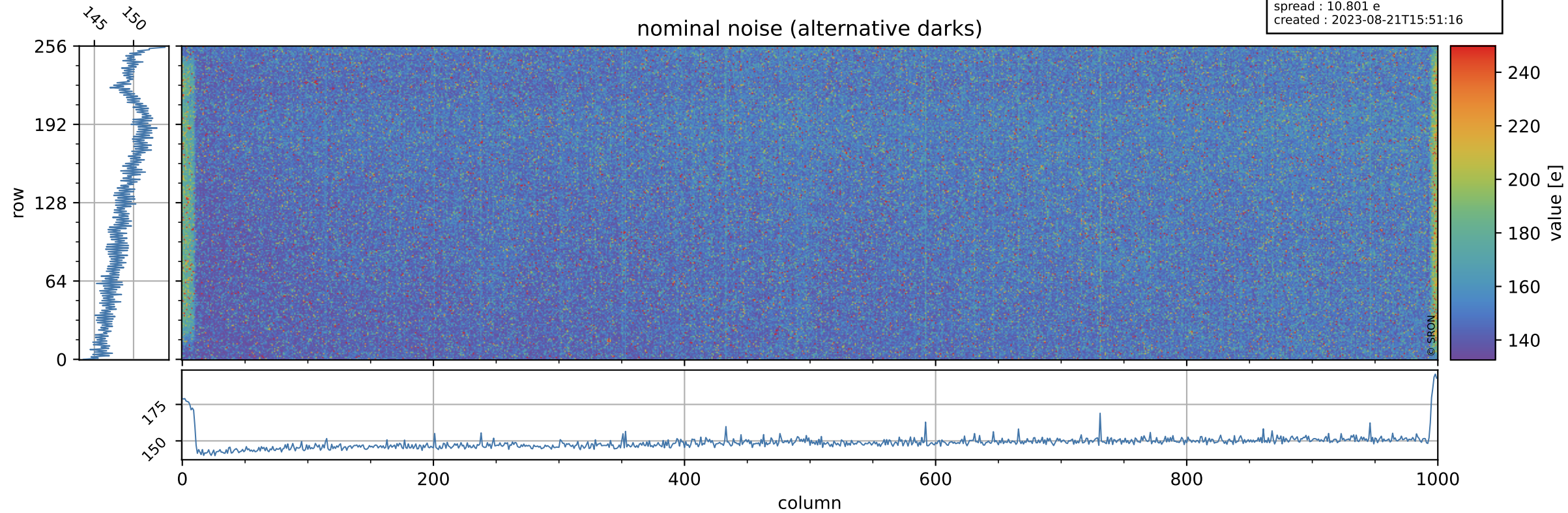


# Tropomi SWIR background noise (swir)

orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.7 e  
spread : 10.801 e  
created : 2023-08-21T15:51:16

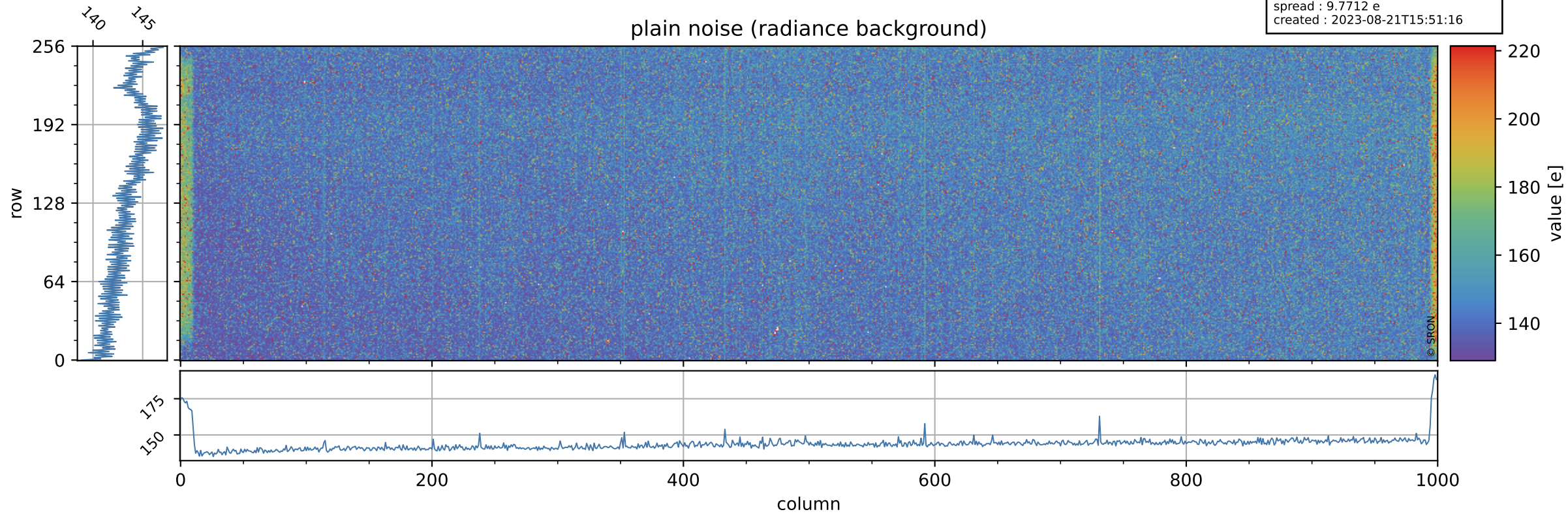
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7712 e  
created : 2023-08-21T15:51:16

plain noise (radiance background)

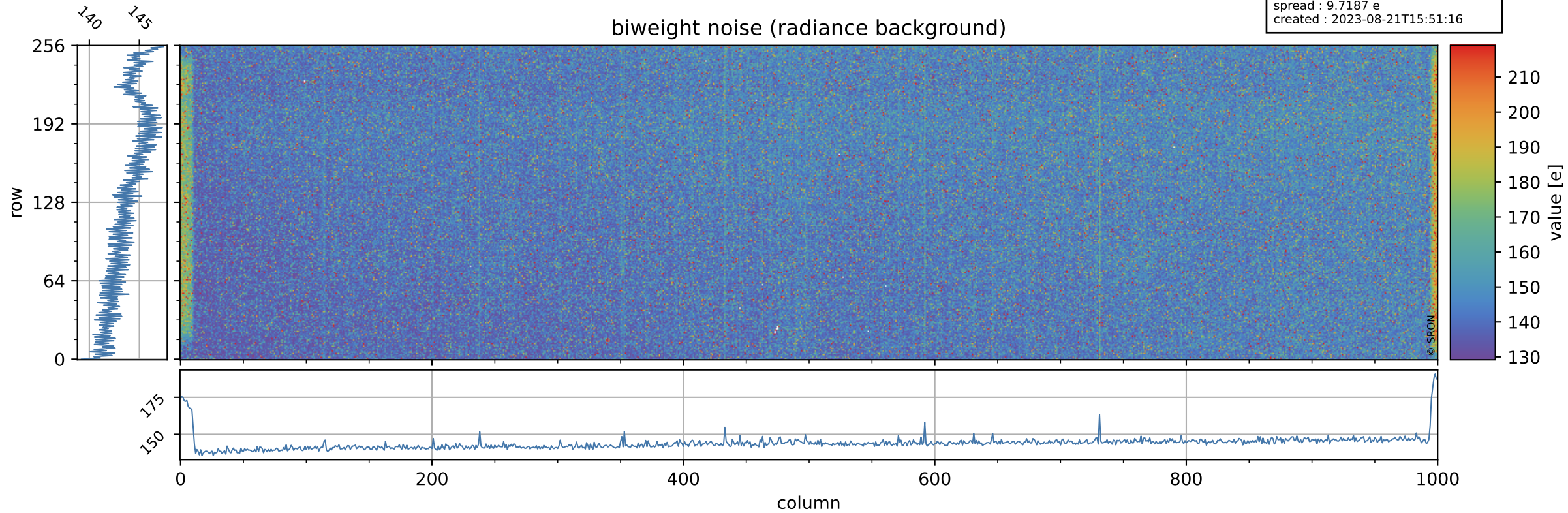




# Tropomi SWIR background noise (swir)

orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7187 e  
created : 2023-08-21T15:51:16

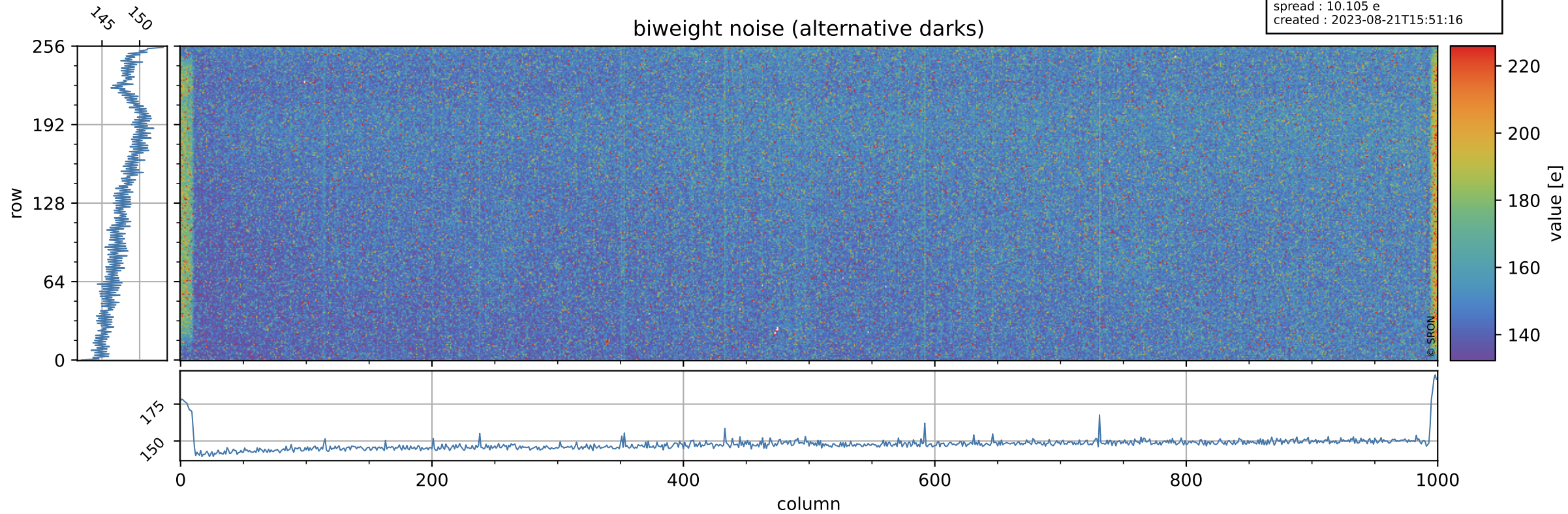
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.105 e  
created : 2023-08-21T15:51:16

## biweight noise (alternative darks)

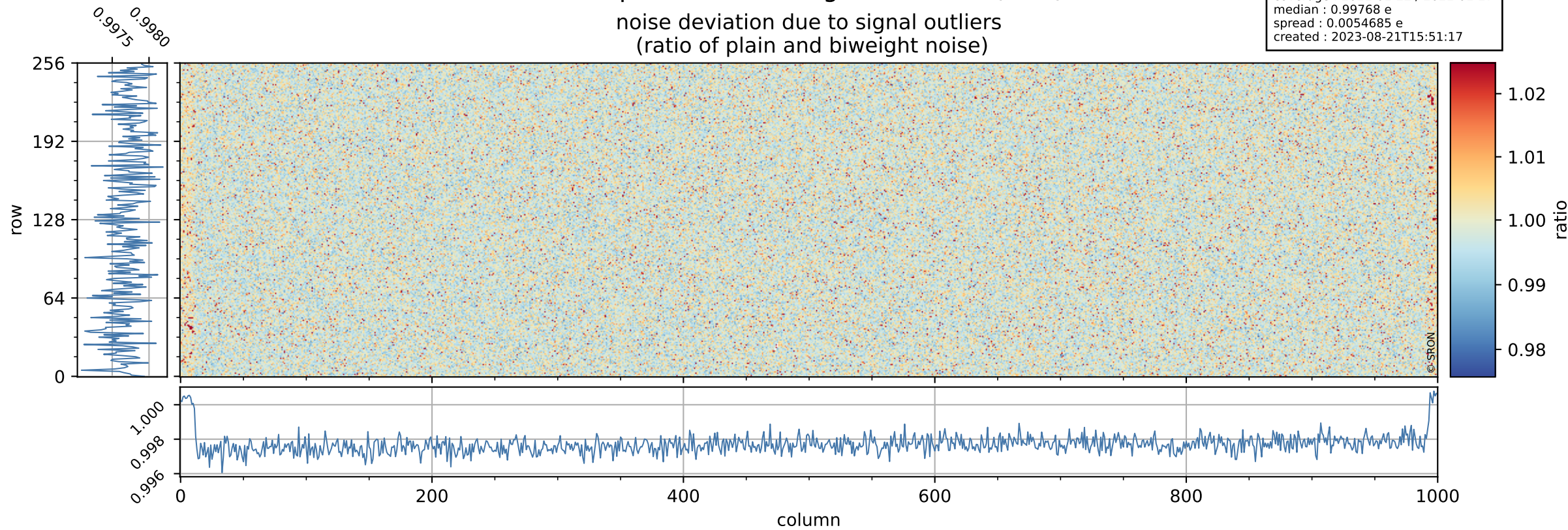




# Tropomi SWIR background noise (swir)

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

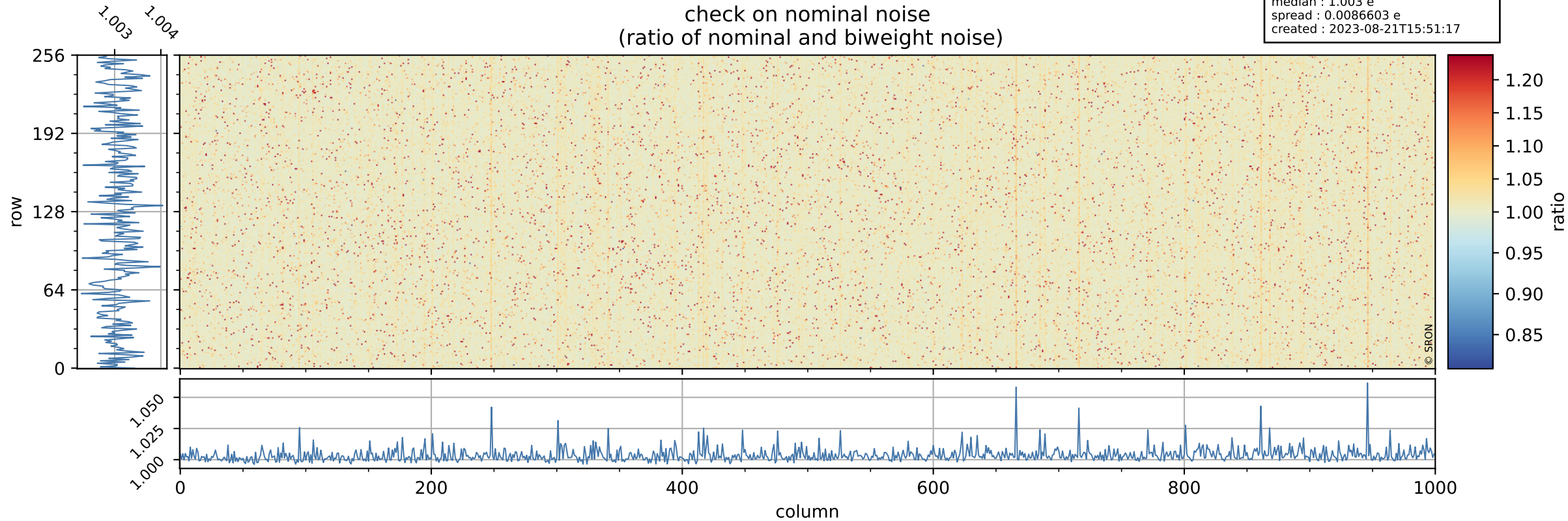
orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
median : 0.99768 e  
spread : 0.0054685 e  
created : 2023-08-21T15:51:17



# Tropomi SWIR background noise (swir)

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

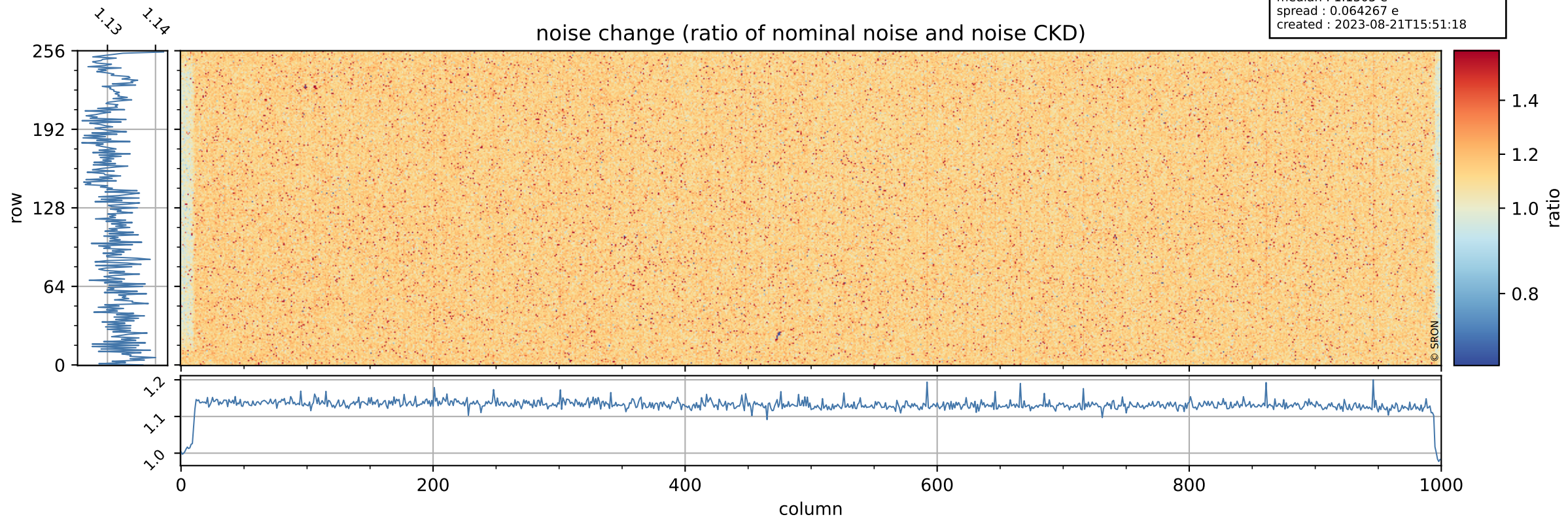
orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
median : 1.003 e  
spread : 0.0086603 e  
created : 2023-08-21T15:51:17





# Tropomi SWIR background noise (swir)

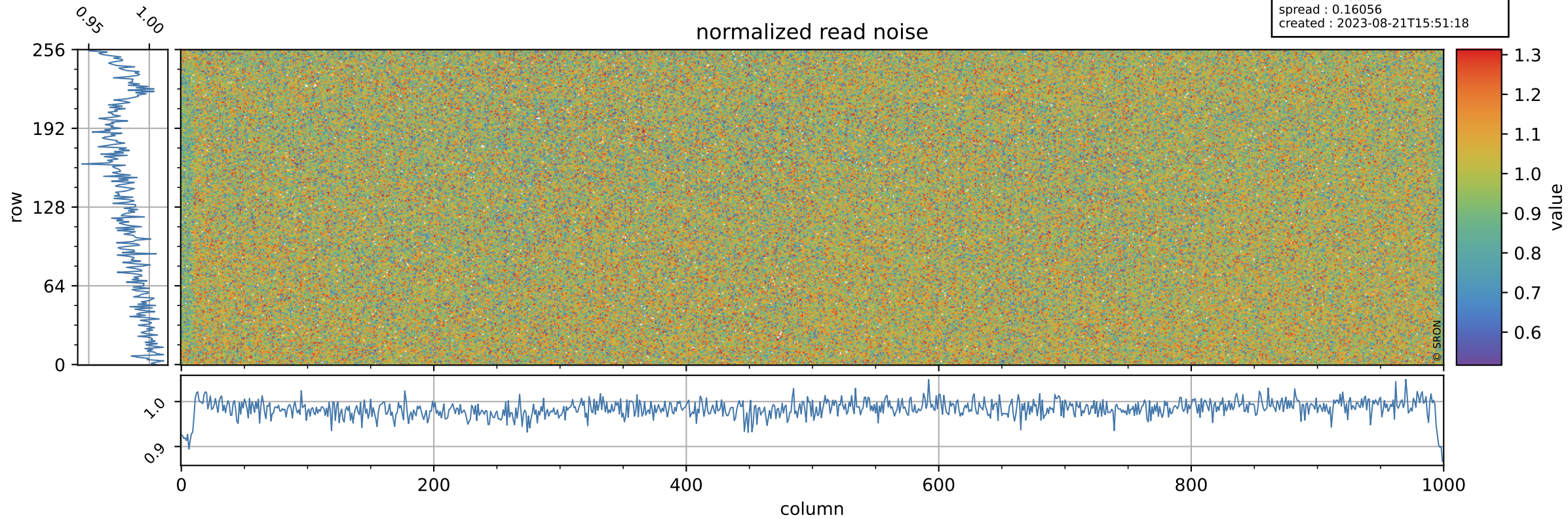
orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
median : 1.1305 e  
spread : 0.064267 e  
created : 2023-08-21T15:51:18





# Tropomi SWIR background noise (swir)

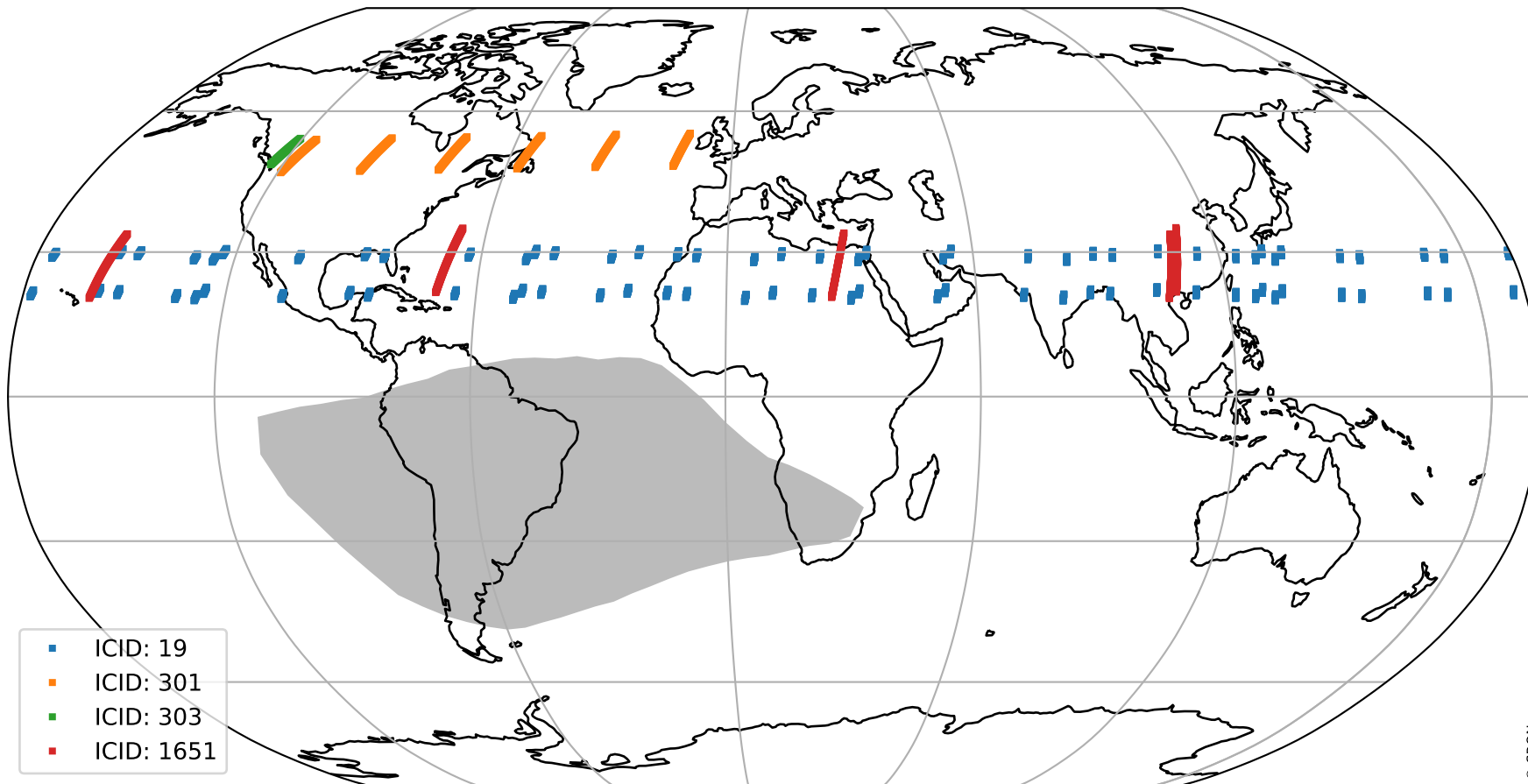
orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
median : 0.98268  
spread : 0.16056  
created : 2023-08-21T15:51:18





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

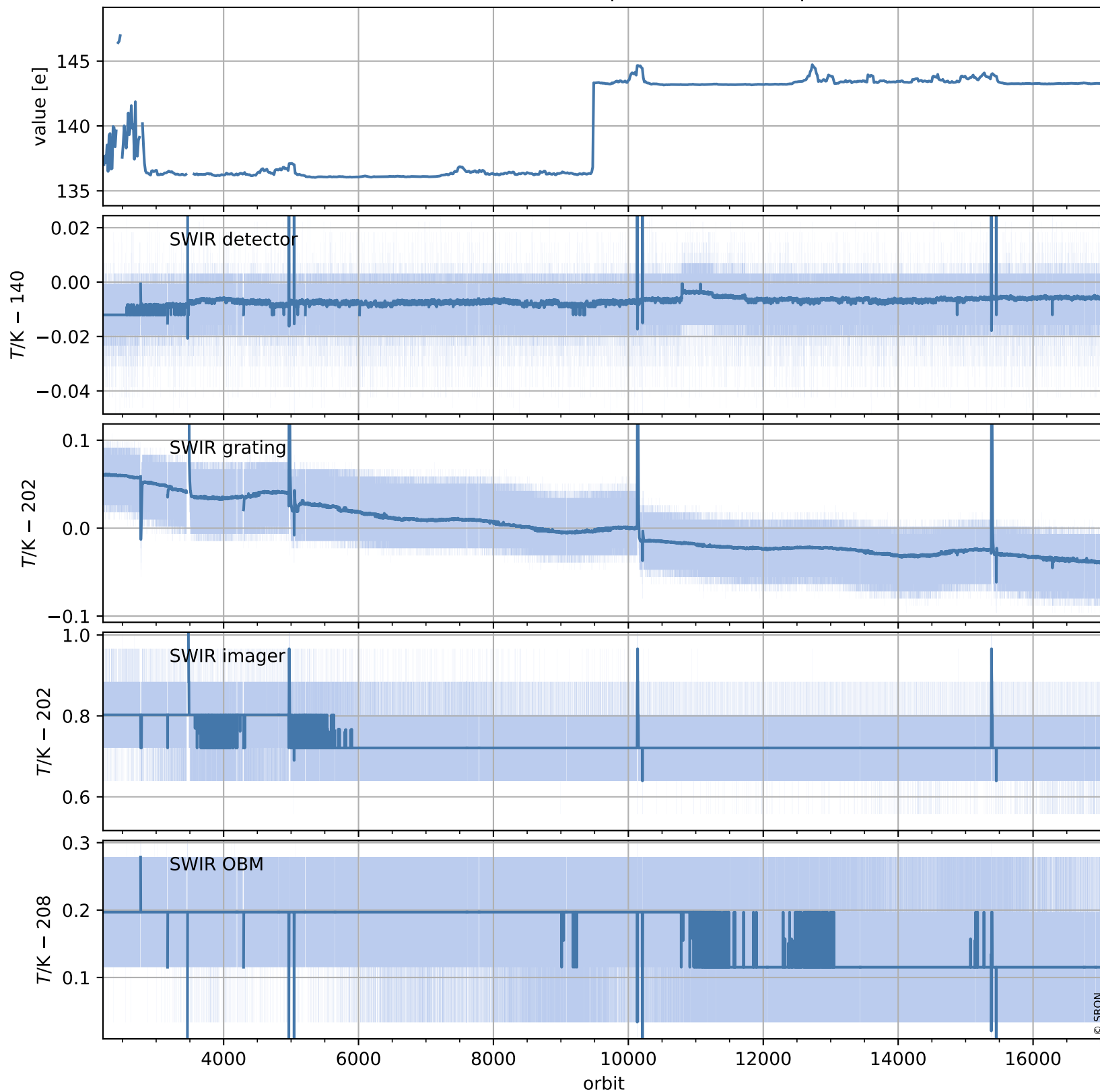
orbits : 12 in [16972, 17062]  
coverage : 2021-01-22 / 2021-01-27  
created : 2023-08-21T15:51:18



# Tropomi SWIR background noise (swir)

orbits : [2212, 17062]  
coverage : 2018-03-18 / 2021-01-27  
created : 2023-08-21T15:51:18

## trend of detector median of plain noise & temperatures

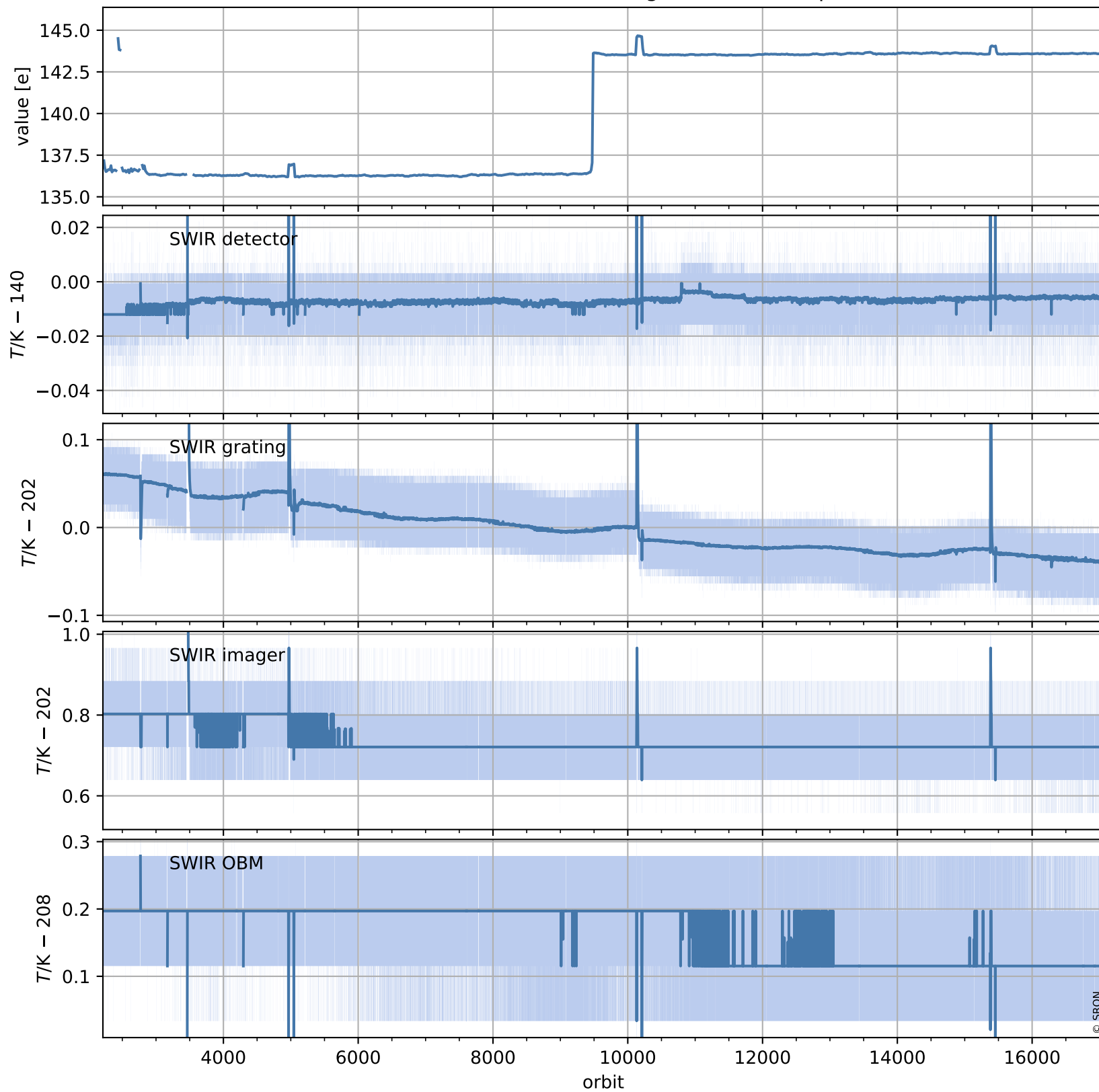




# Tropomi SWIR background noise (swir)

orbits : [2212, 17062]  
coverage : 2018-03-18 / 2021-01-27  
created : 2023-08-21T15:51:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17062]  
coverage : 2018-03-18 / 2021-01-27  
created : 2023-08-21T15:51:20

## trend of normalized read-noise & temperatures

