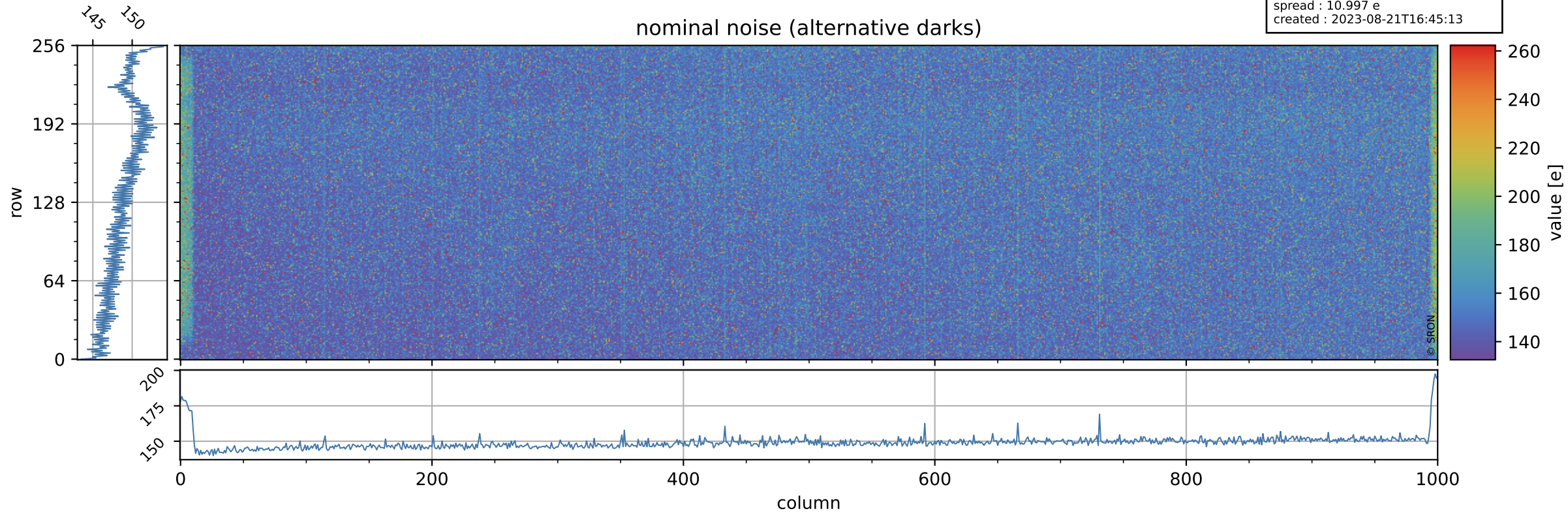


# Tropomi SWIR background noise (swir)

orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.997 e  
created : 2023-08-21T16:45:13

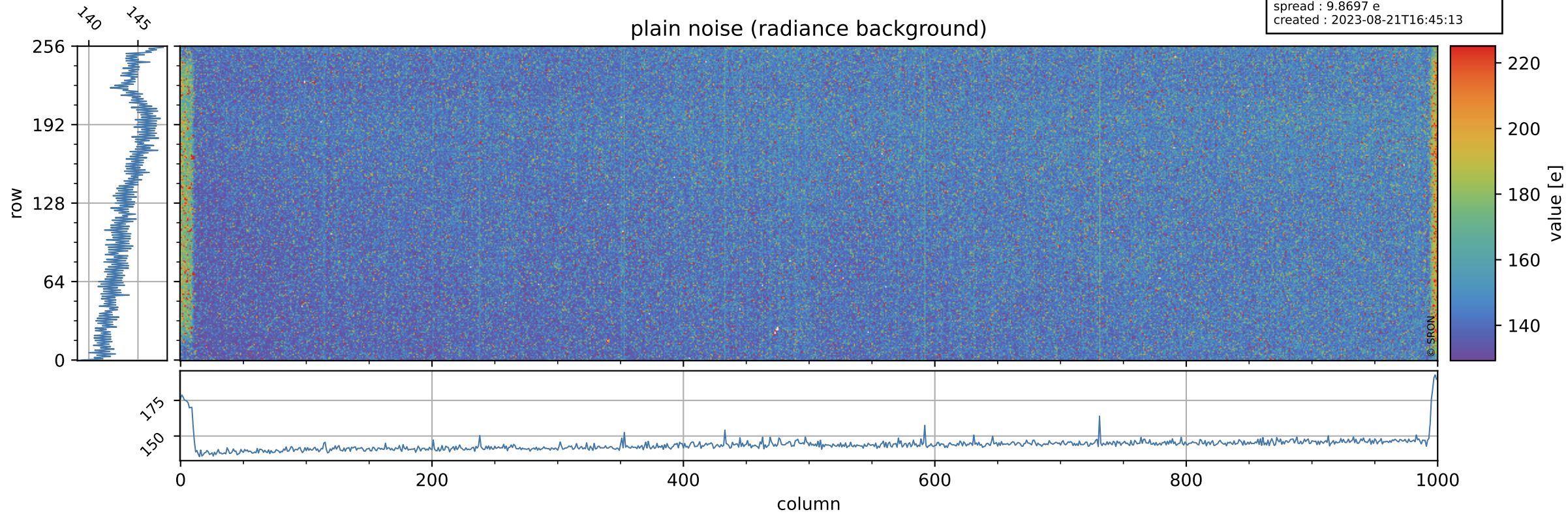
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.8697 e  
created : 2023-08-21T16:45:13

plain noise (radiance background)

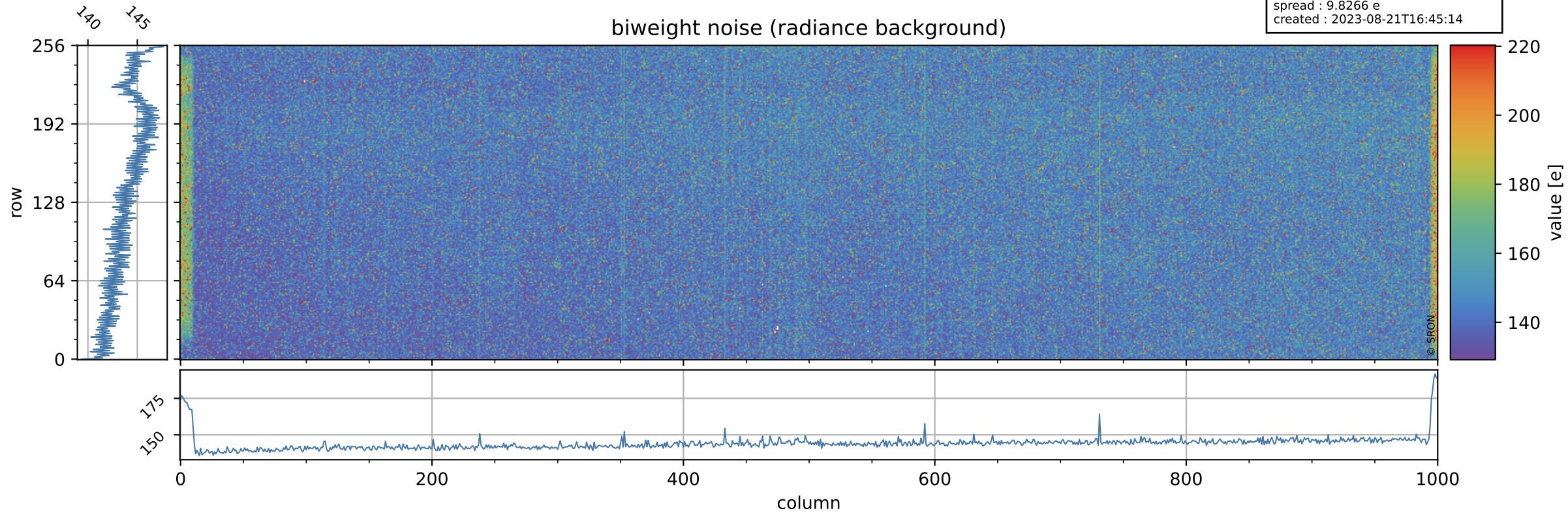




# Tropomi SWIR background noise (swir)

orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.8266 e  
created : 2023-08-21T16:45:14

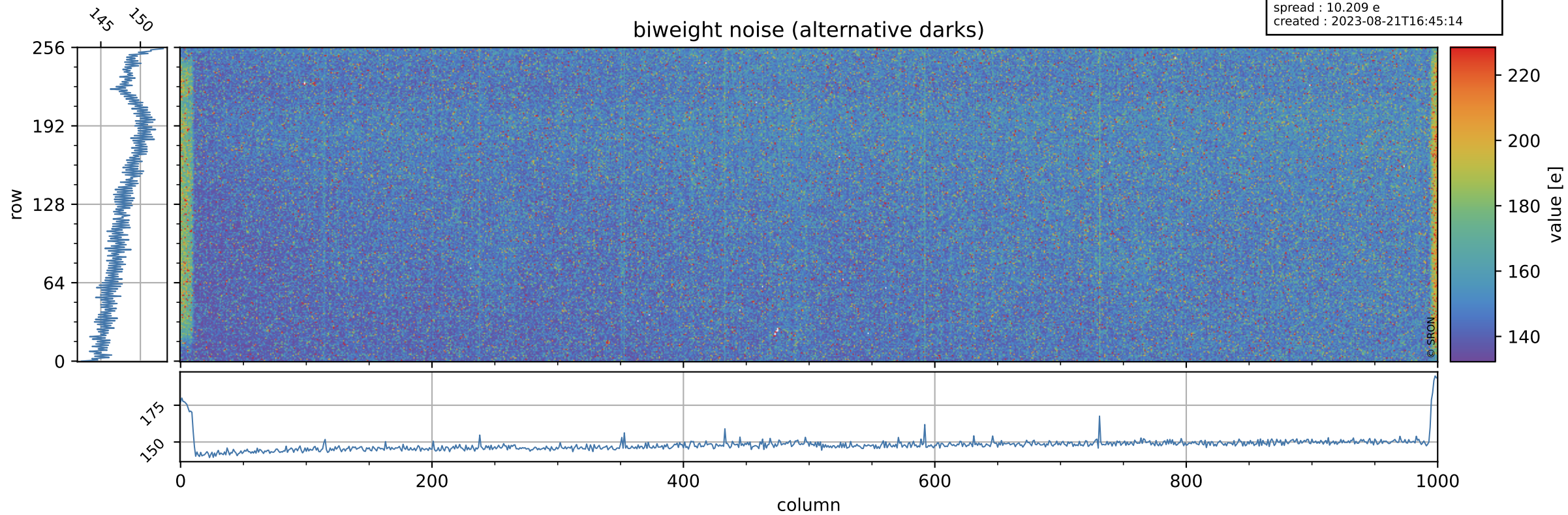
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
n\_coad, t\_exp : 1, 1.0783  
median : 147.84 e  
spread : 10.209 e  
created : 2023-08-21T16:45:14

## biweight noise (alternative darks)

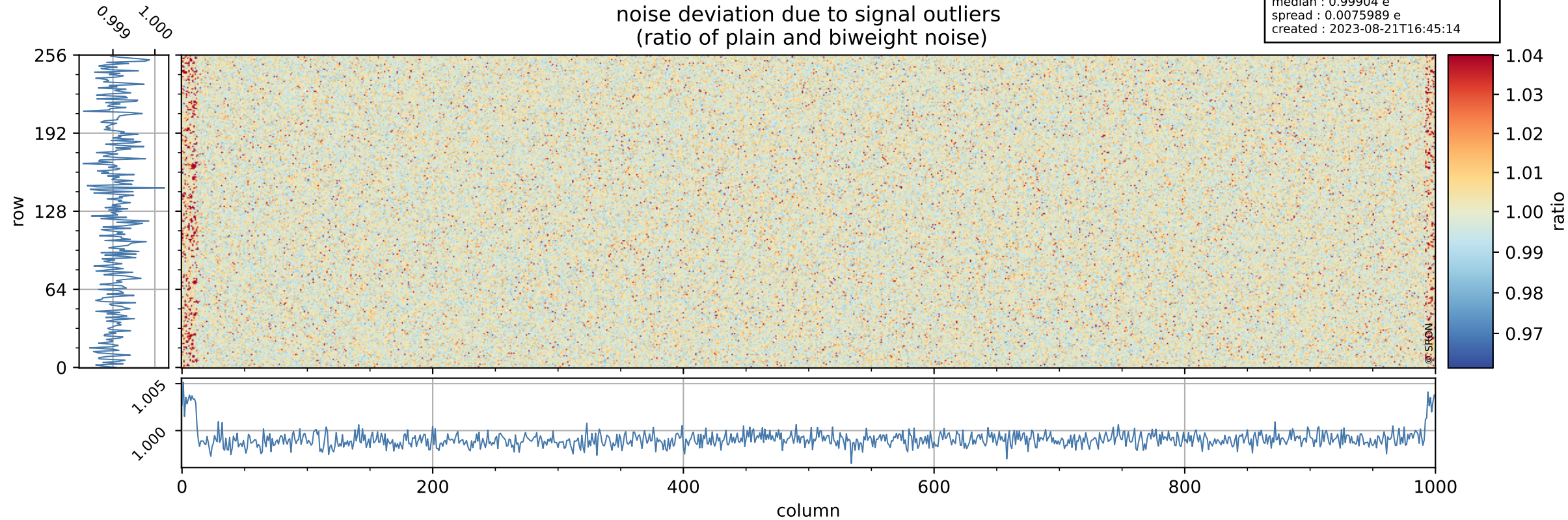




# Tropomi SWIR background noise (swir)

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

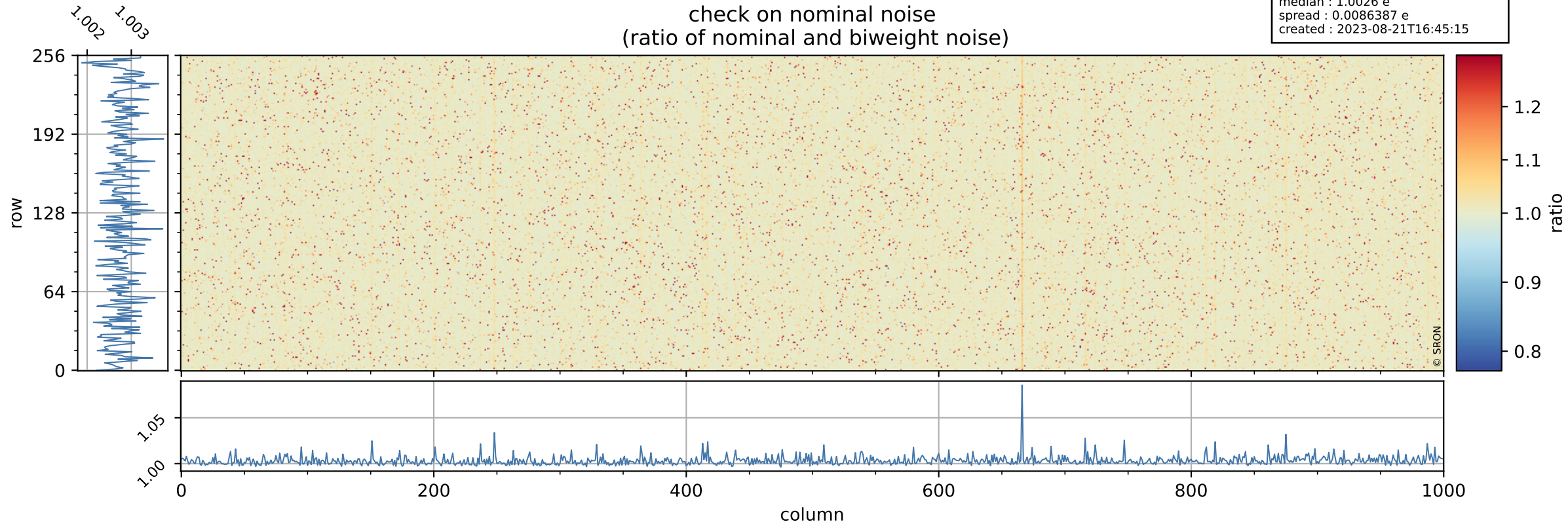
orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
median : 0.99904 e  
spread : 0.0075989 e  
created : 2023-08-21T16:45:14



# Tropomi SWIR background noise (swir)

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

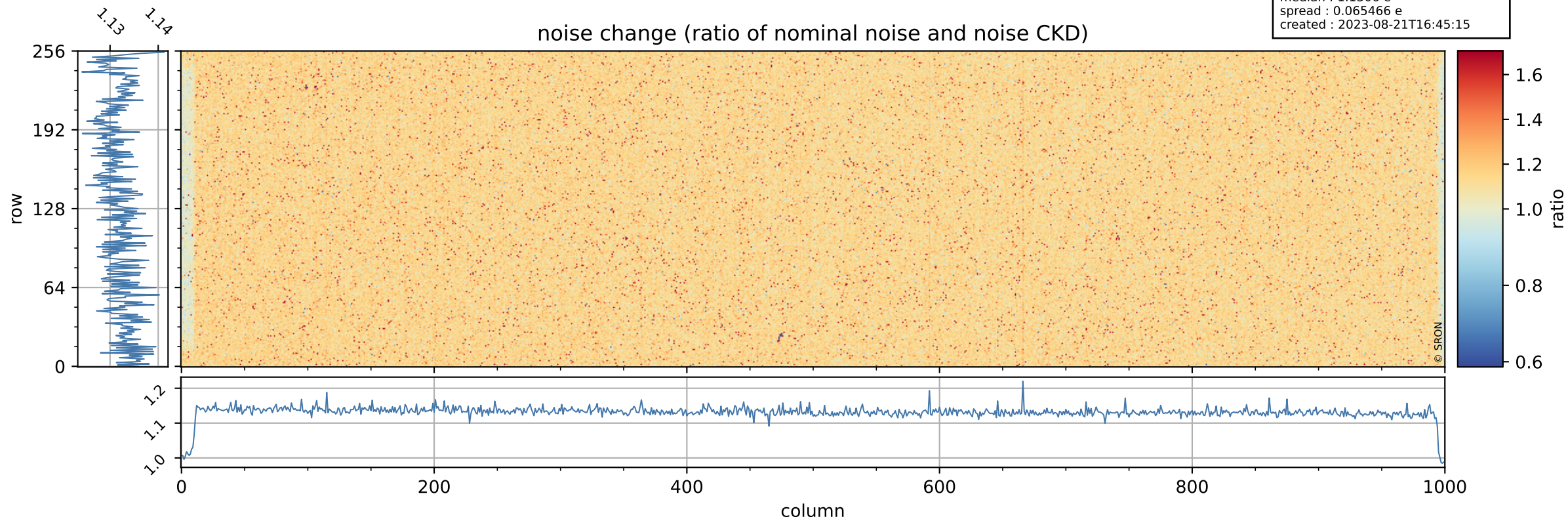
orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
median : 1.0026 e  
spread : 0.0086387 e  
created : 2023-08-21T16:45:15





# Tropomi SWIR background noise (swir)

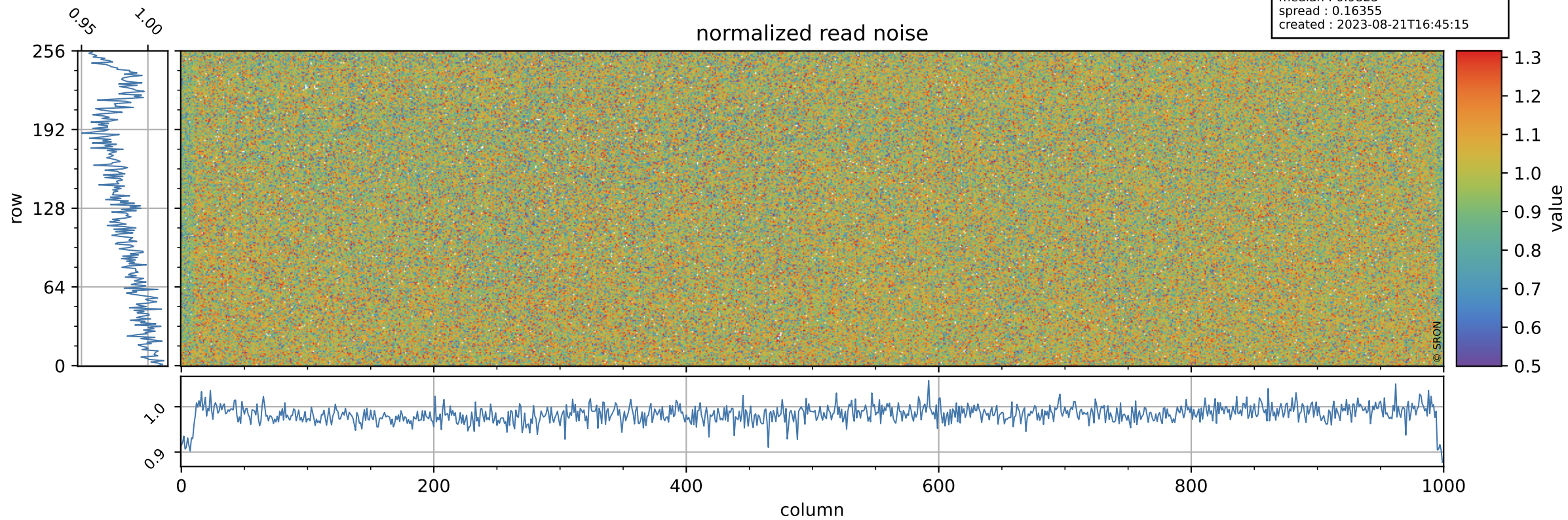
orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
median : 1.1306 e  
spread : 0.065466 e  
created : 2023-08-21T16:45:15





# Tropomi SWIR background noise (swir)

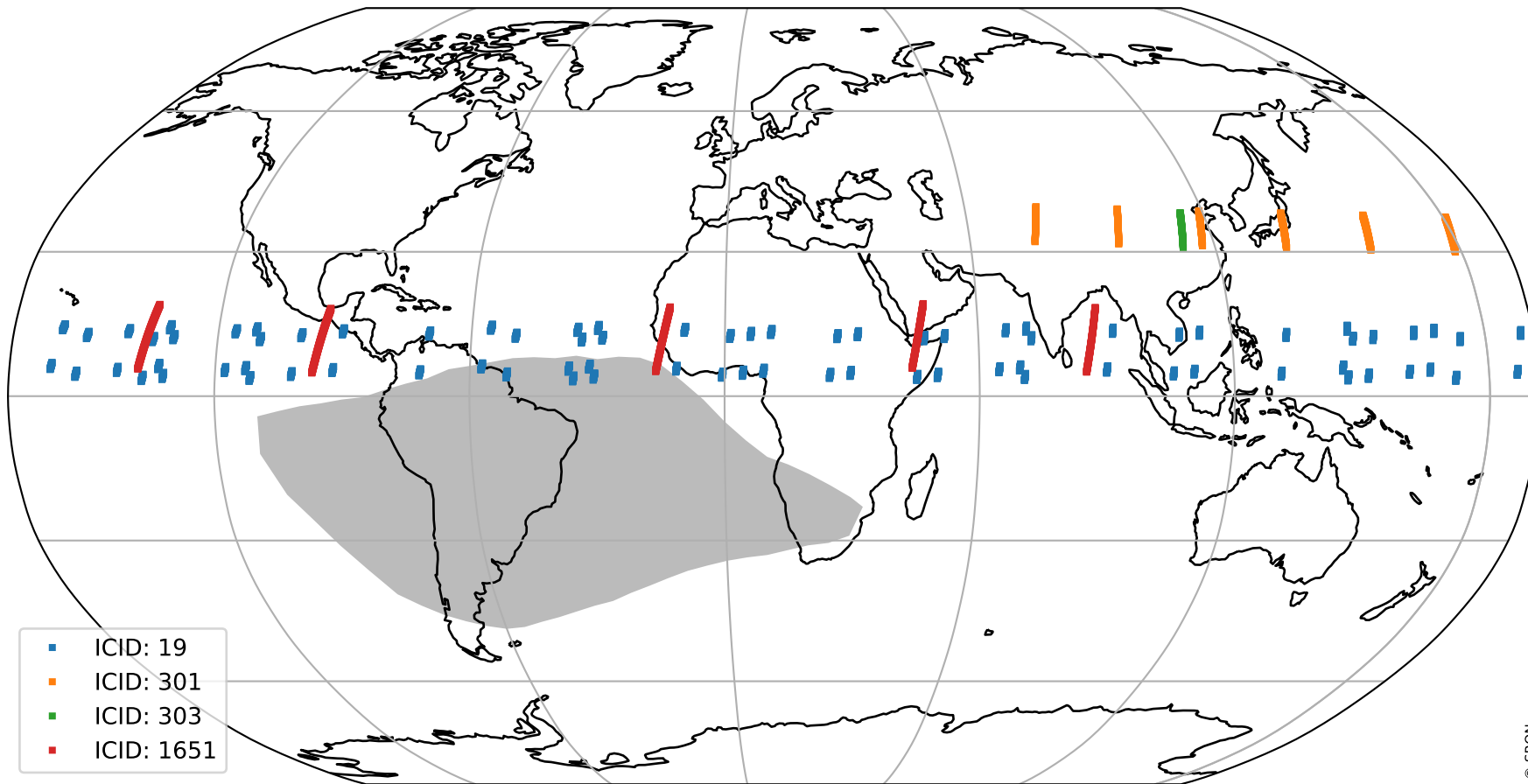
orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
median : 0.9823  
spread : 0.16355  
created : 2023-08-21T16:45:15





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

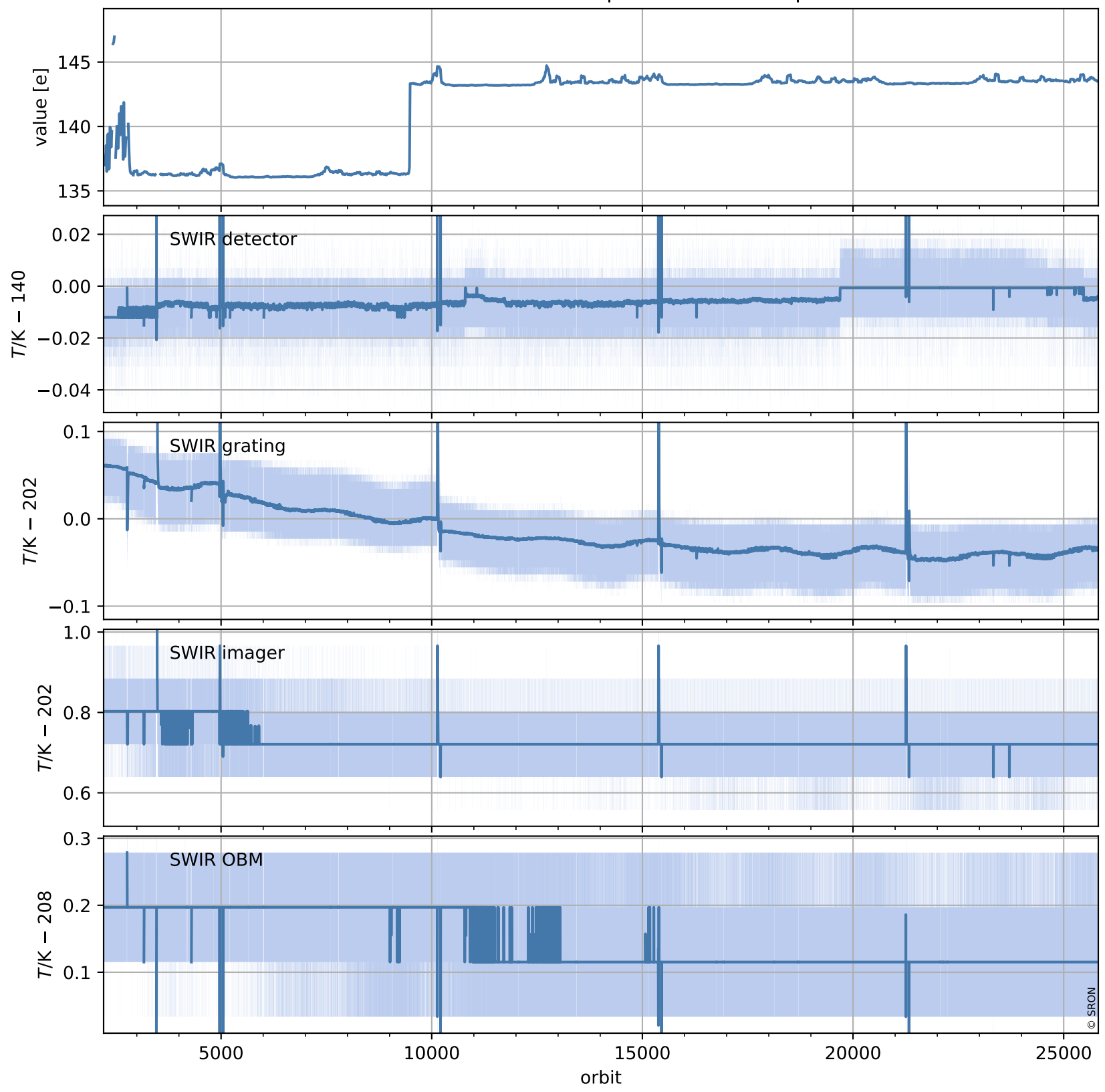
orbits : 12 in [25732, 25822]  
coverage : 2022-10-01 / 2022-10-06  
created : 2023-08-21T16:45:15



# Tropomi SWIR background noise (swir)

orbits : [2212, 25822]  
coverage : 2018-03-18 / 2022-10-06  
created : 2023-08-21T16:45:16

## trend of detector median of plain noise & temperatures

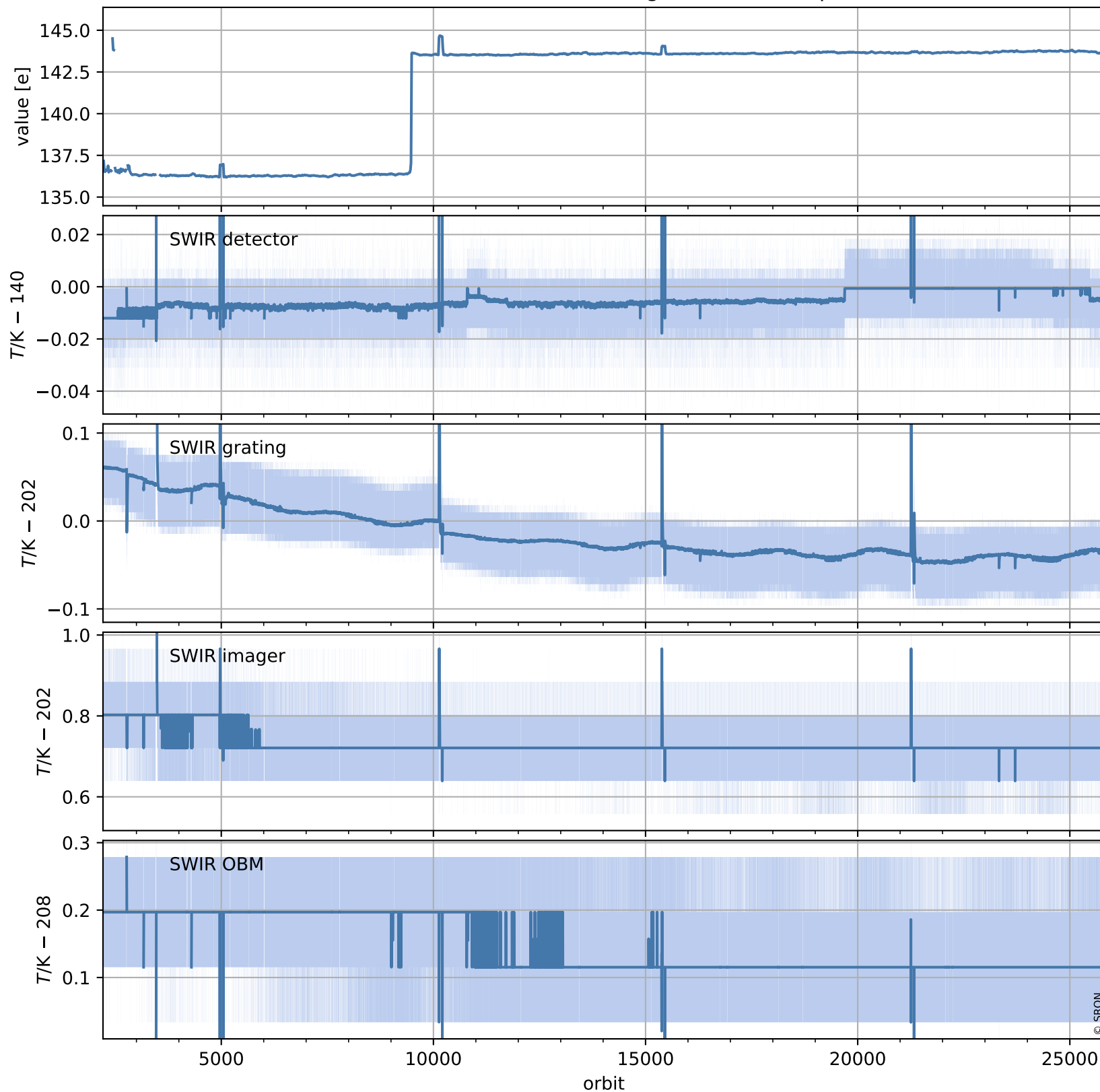




# Tropomi SWIR background noise (swir)

orbits : [2212, 25822]  
coverage : 2018-03-18 / 2022-10-06  
created : 2023-08-21T16:45:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 25822]  
coverage : 2018-03-18 / 2022-10-06  
created : 2023-08-21T16:45:17

## trend of normalized read-noise & temperatures

