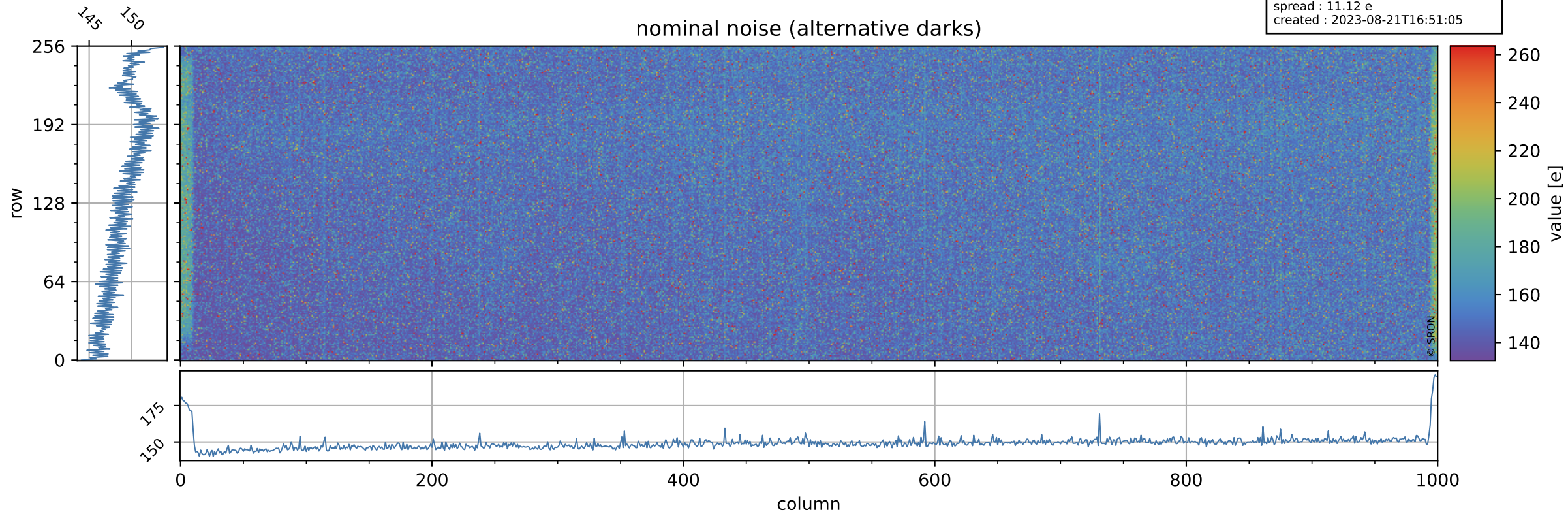


# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.94 e  
spread : 11.12 e  
created : 2023-08-21T16:51:05

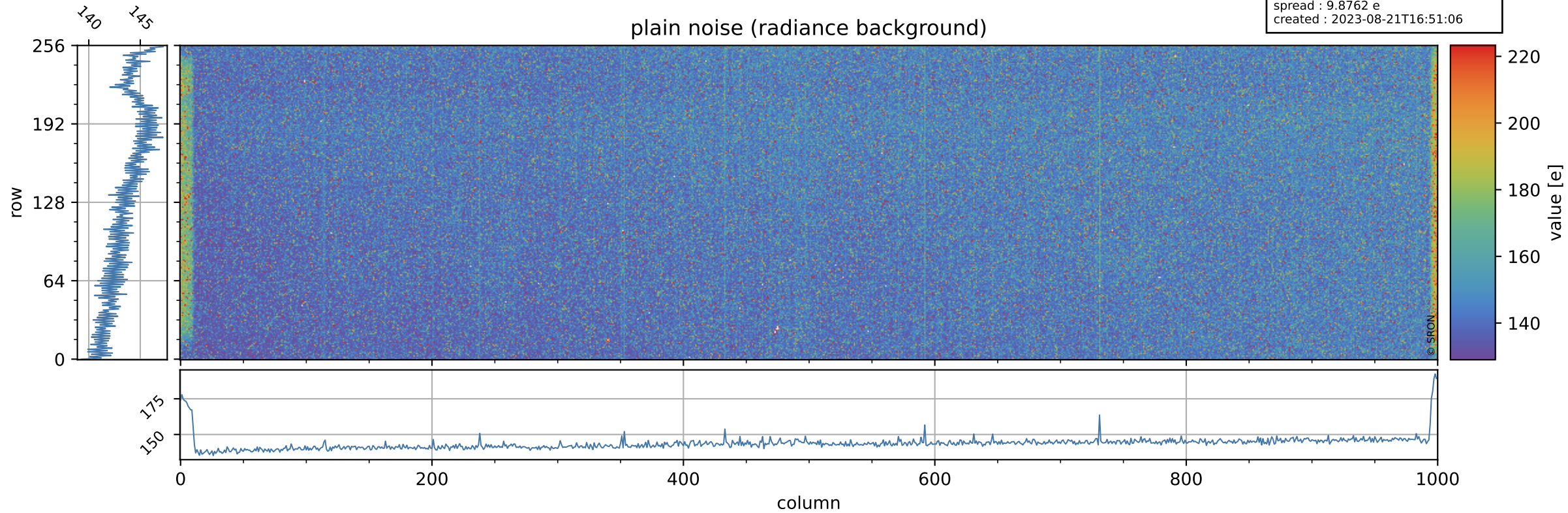
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.54 e  
spread : 9.8762 e  
created : 2023-08-21T16:51:06

plain noise (radiance background)

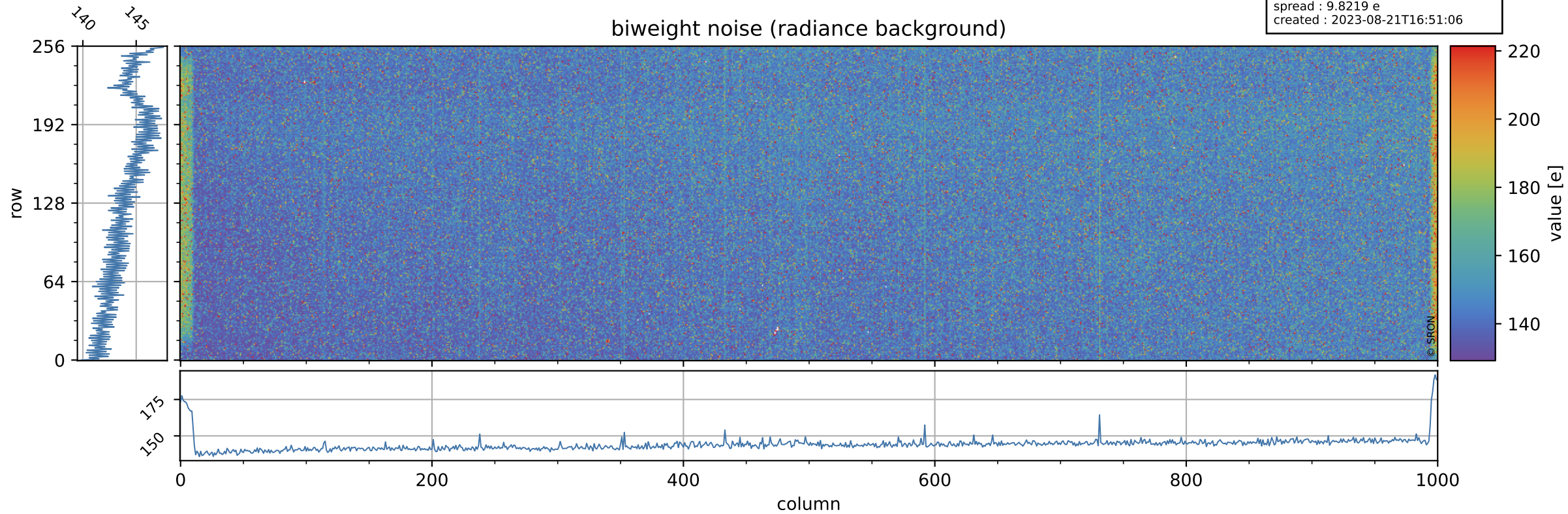




# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.8219 e  
created : 2023-08-21T16:51:06

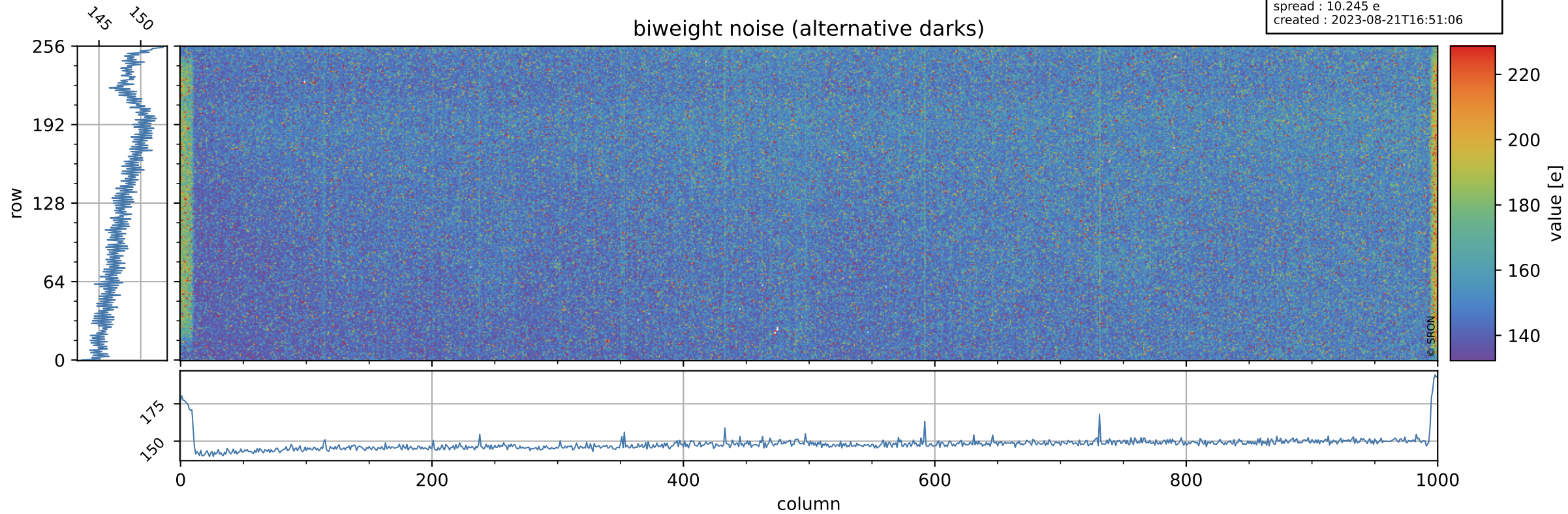
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.84 e  
spread : 10.245 e  
created : 2023-08-21T16:51:06

## biweight noise (alternative darks)

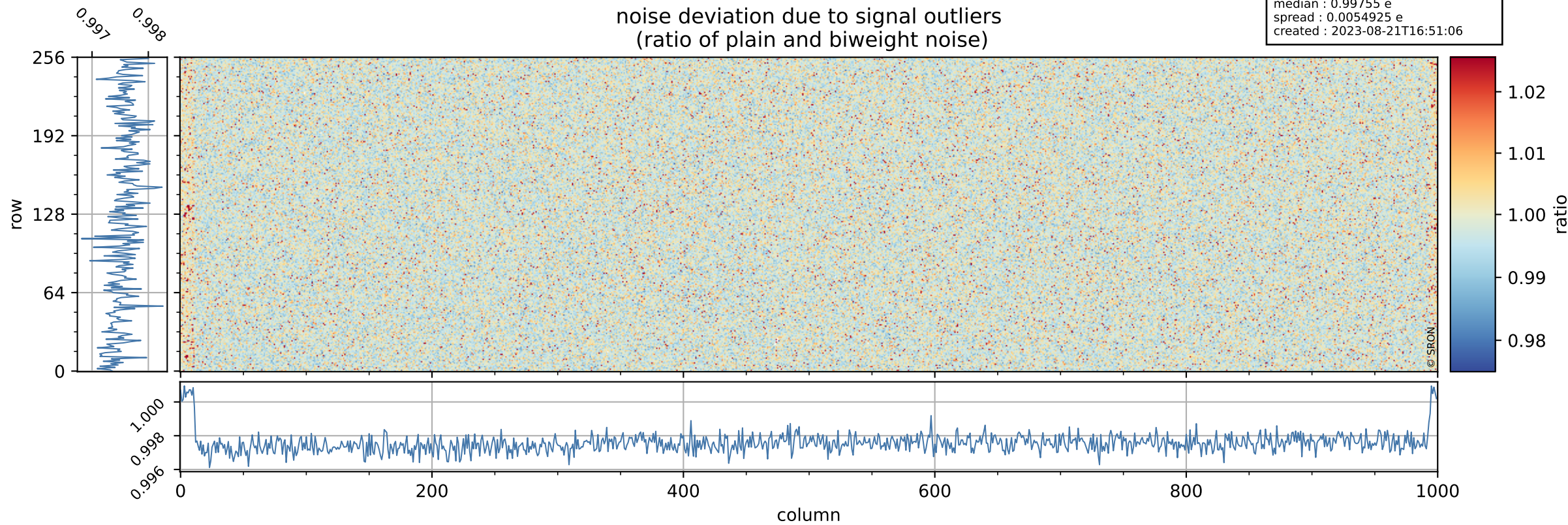




# Tropomi SWIR background noise (swir)

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

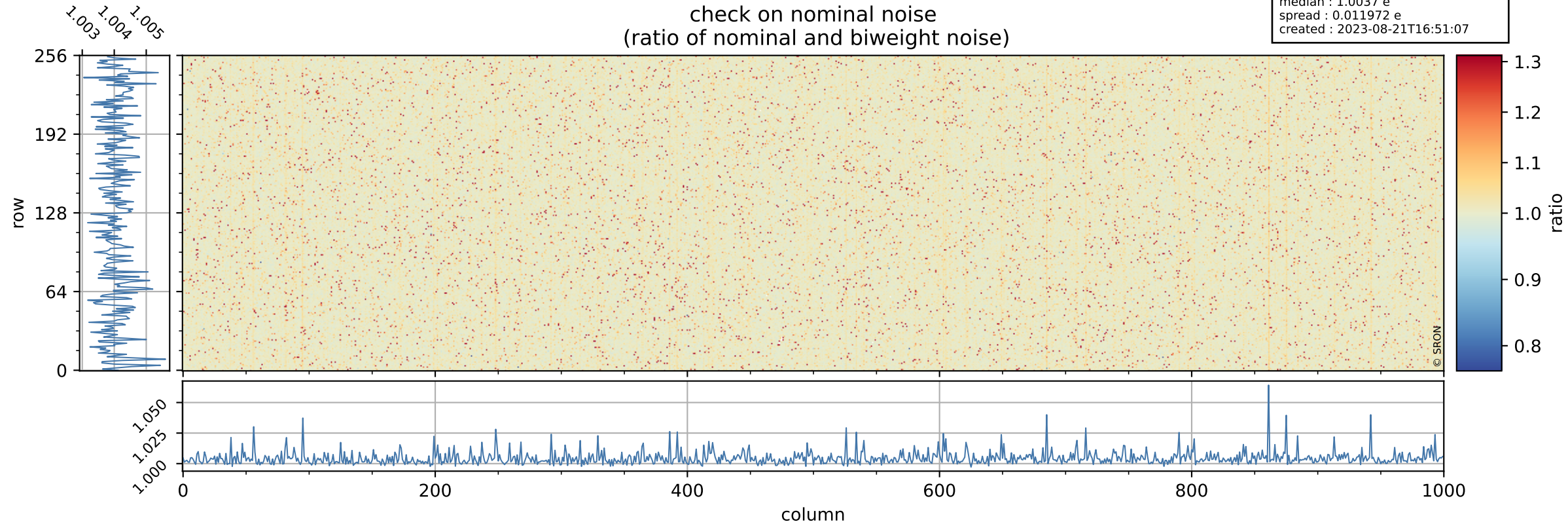
orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
median : 0.99755 e  
spread : 0.0054925 e  
created : 2023-08-21T16:51:06



# Tropomi SWIR background noise (swir)

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

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
median : 1.0037 e  
spread : 0.011972 e  
created : 2023-08-21T16:51:07

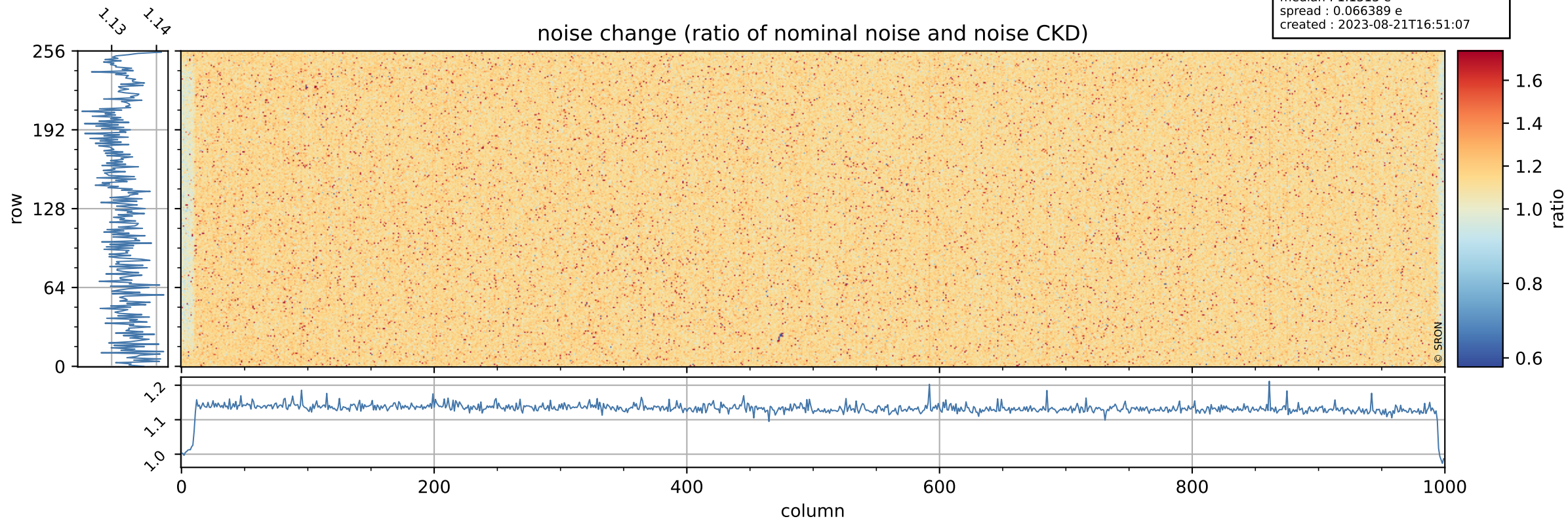




# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
median : 1.1313 e  
spread : 0.066389 e  
created : 2023-08-21T16:51:07

noise change (ratio of nominal noise and noise CKD)

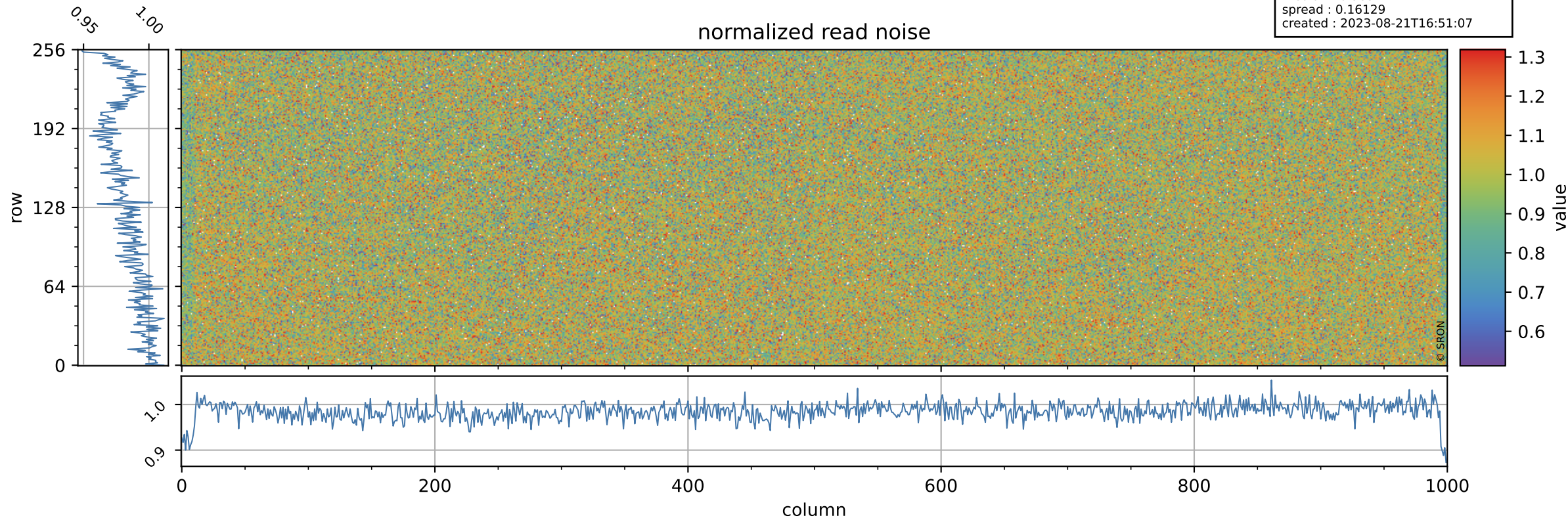




# Tropomi SWIR background noise (swir)

orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
median : 0.98327  
spread : 0.16129  
created : 2023-08-21T16:51:07

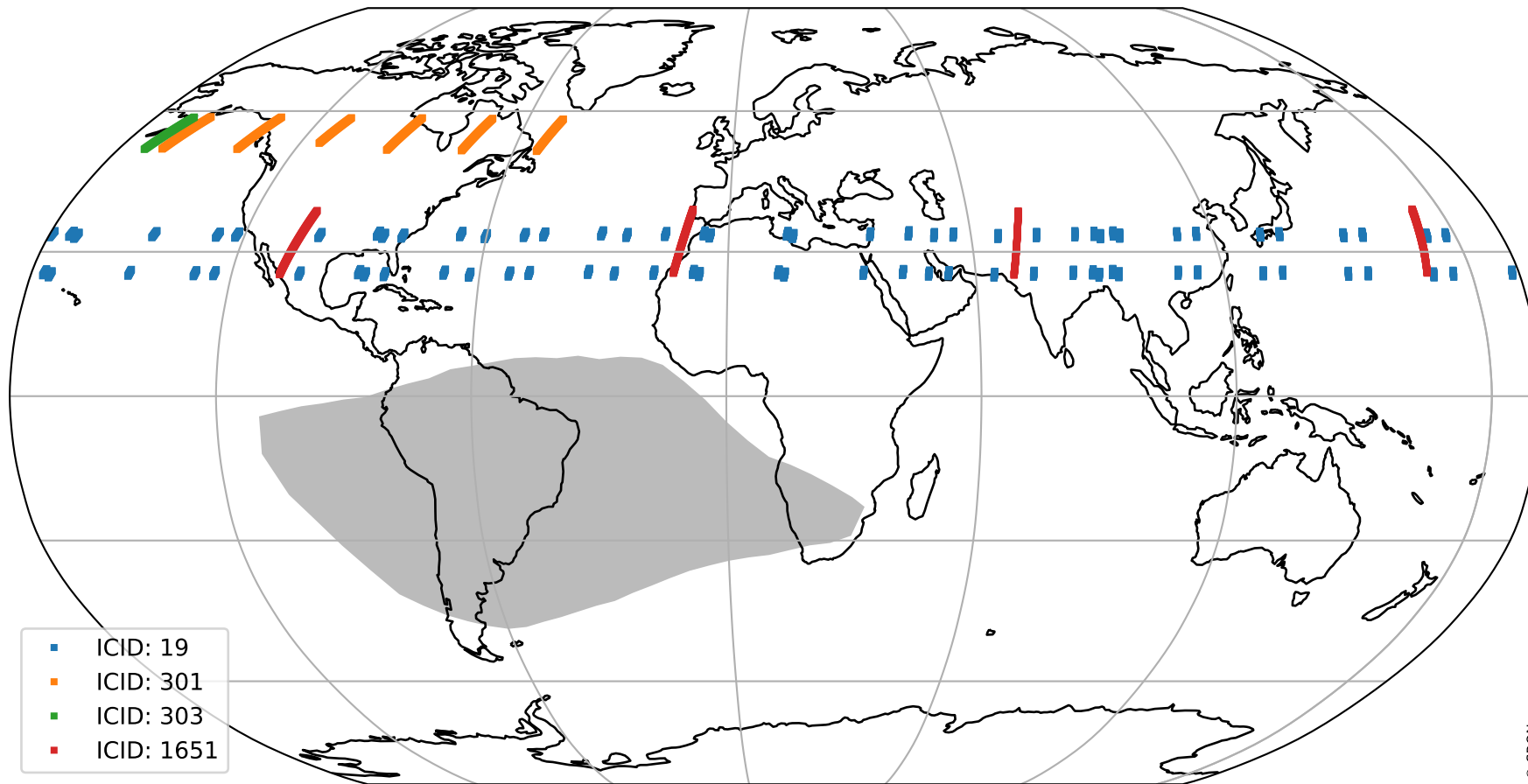
normalized read noise





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

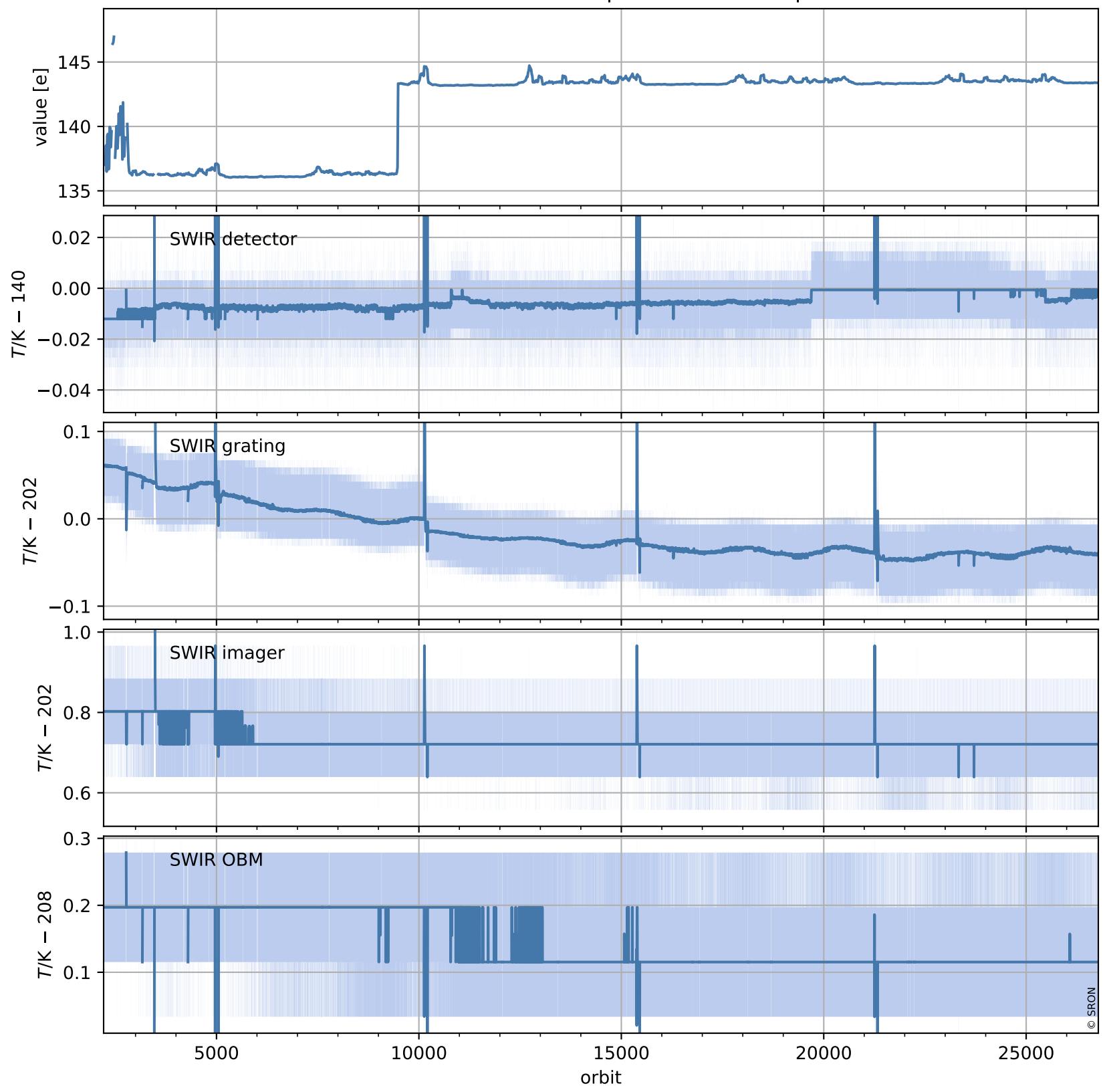
orbits : 11 in [26692, 26782]  
coverage : 2022-12-08 / 2022-12-13  
created : 2023-08-21T16:51:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 26782]  
coverage : 2018-03-18 / 2022-12-13  
created : 2023-08-21T16:51:08

## trend of detector median of plain noise & temperatures

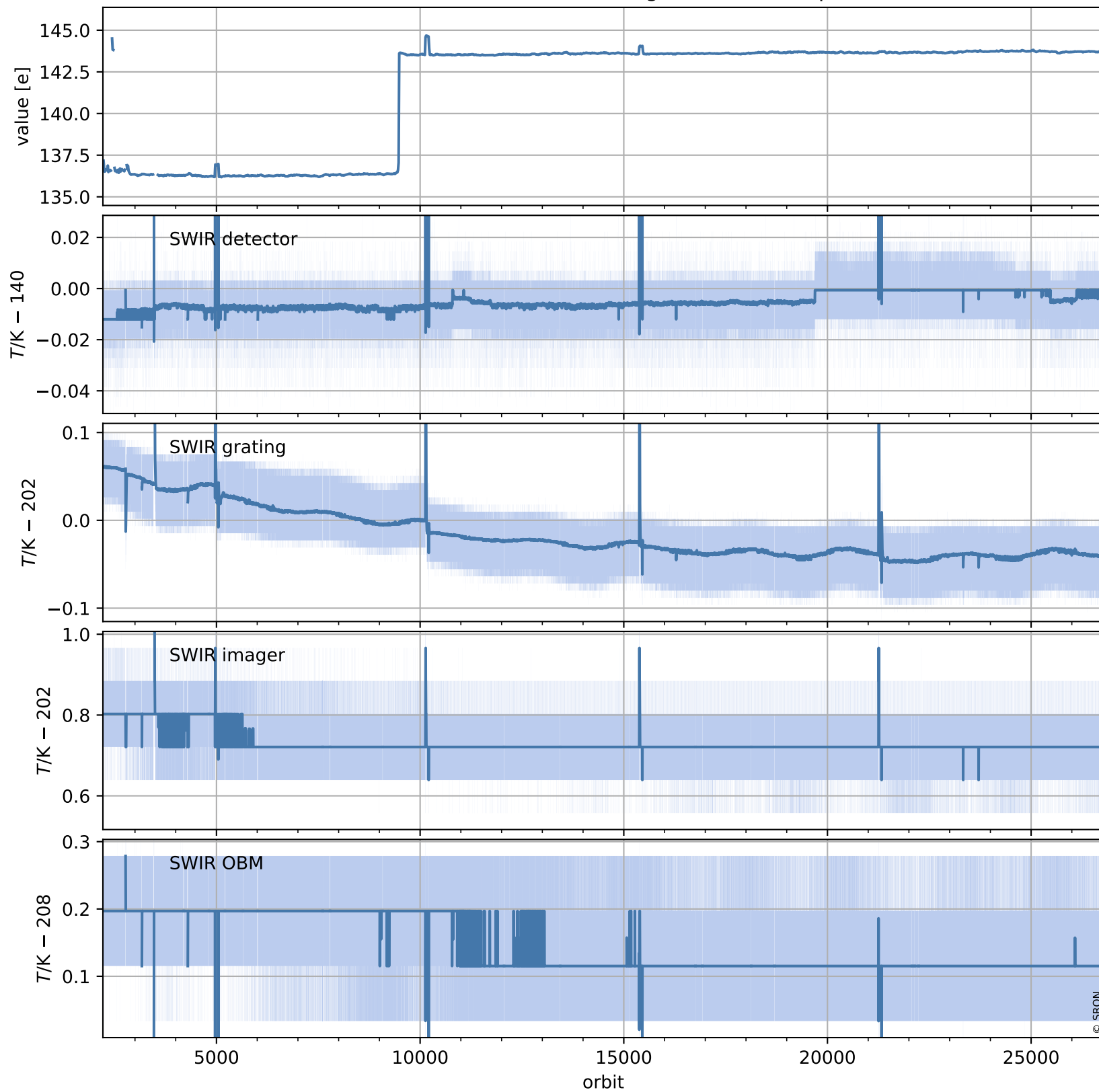




# Tropomi SWIR background noise (swir)

orbits : [2212, 26782]  
coverage : 2018-03-18 / 2022-12-13  
created : 2023-08-21T16:51:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 26782]  
coverage : 2018-03-18 / 2022-12-13  
created : 2023-08-21T16:51:10

## trend of normalized read-noise & temperatures

