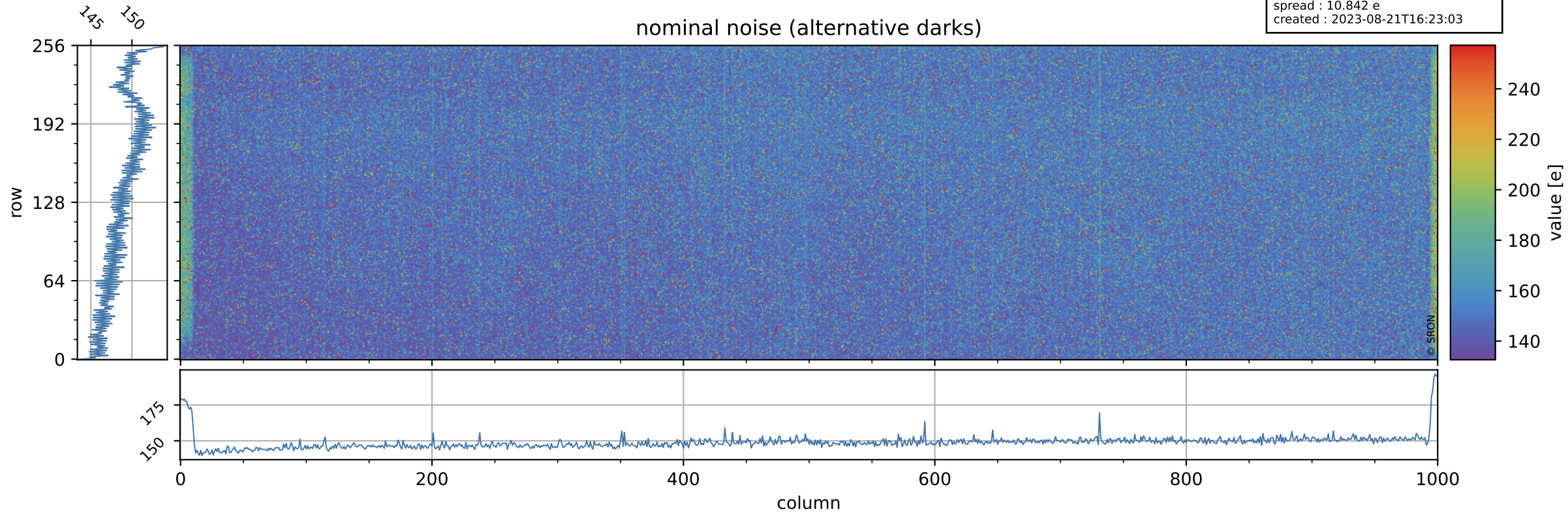


# Tropomi SWIR background noise (swir)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 10.842 e  
created : 2023-08-21T16:23:03

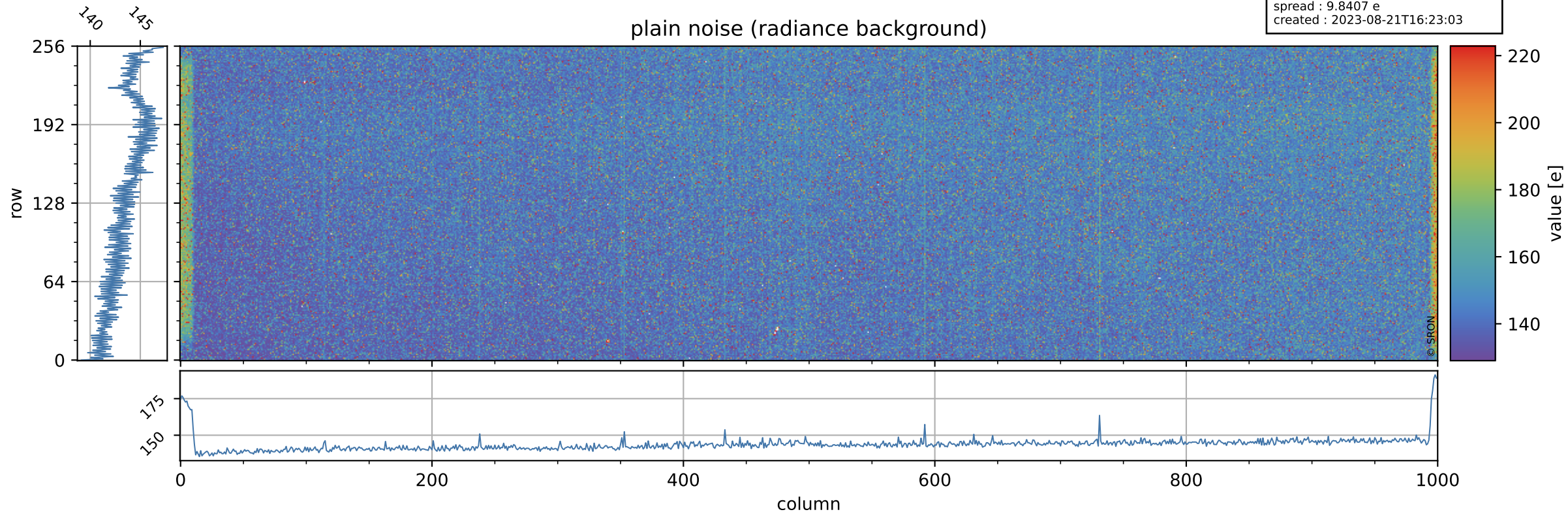
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.48 e  
spread : 9.8407 e  
created : 2023-08-21T16:23:03

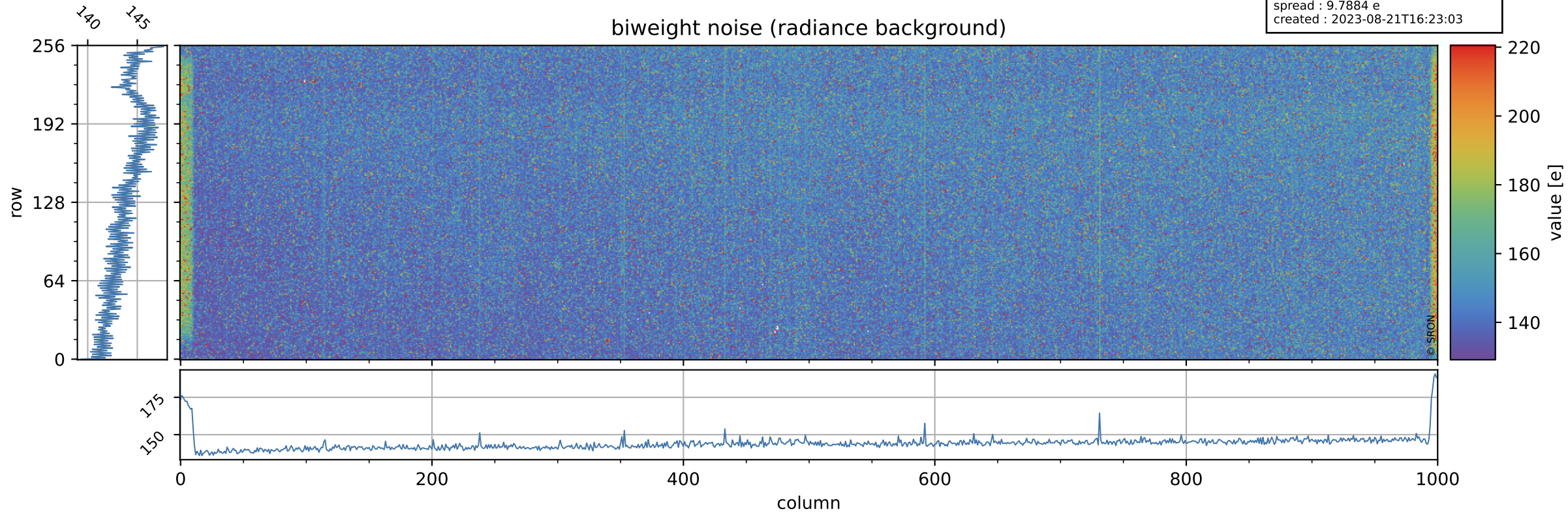
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.7884 e  
created : 2023-08-21T16:23:03

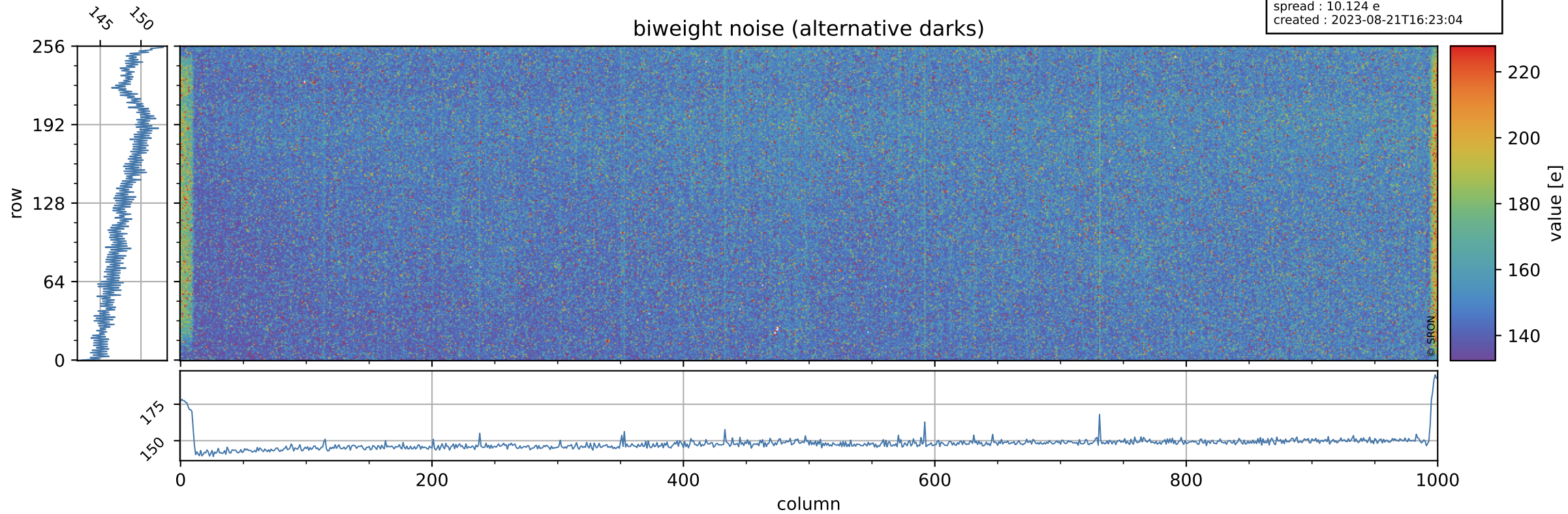
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.124 e  
created : 2023-08-21T16:23:04

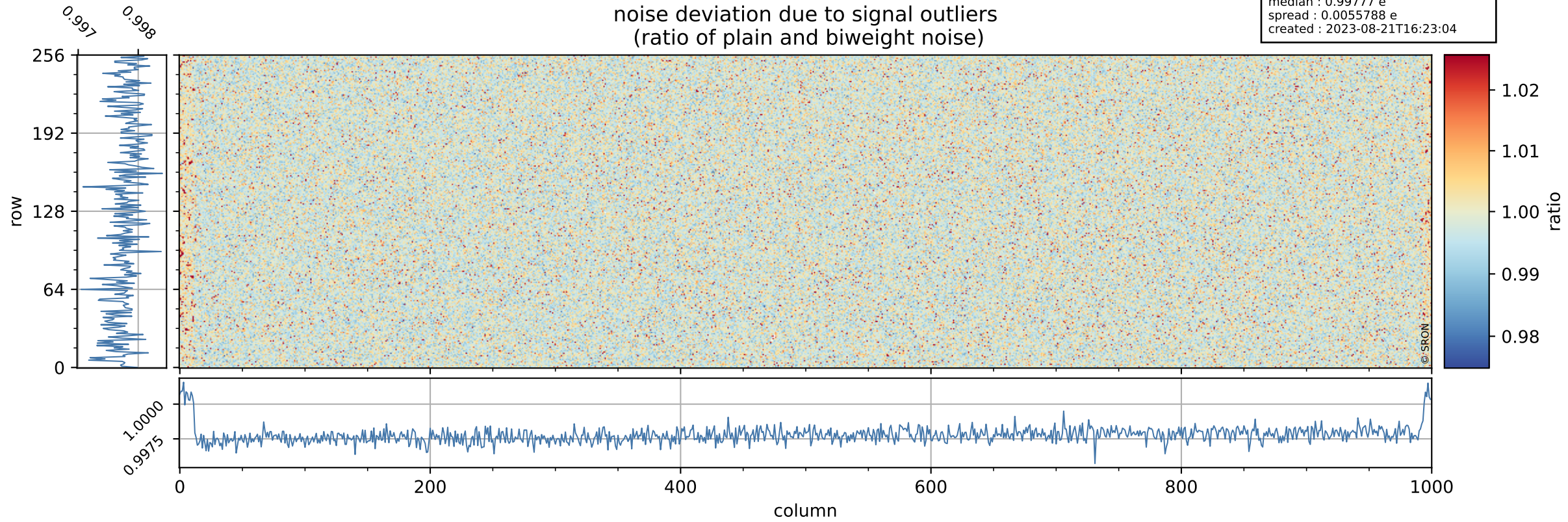
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

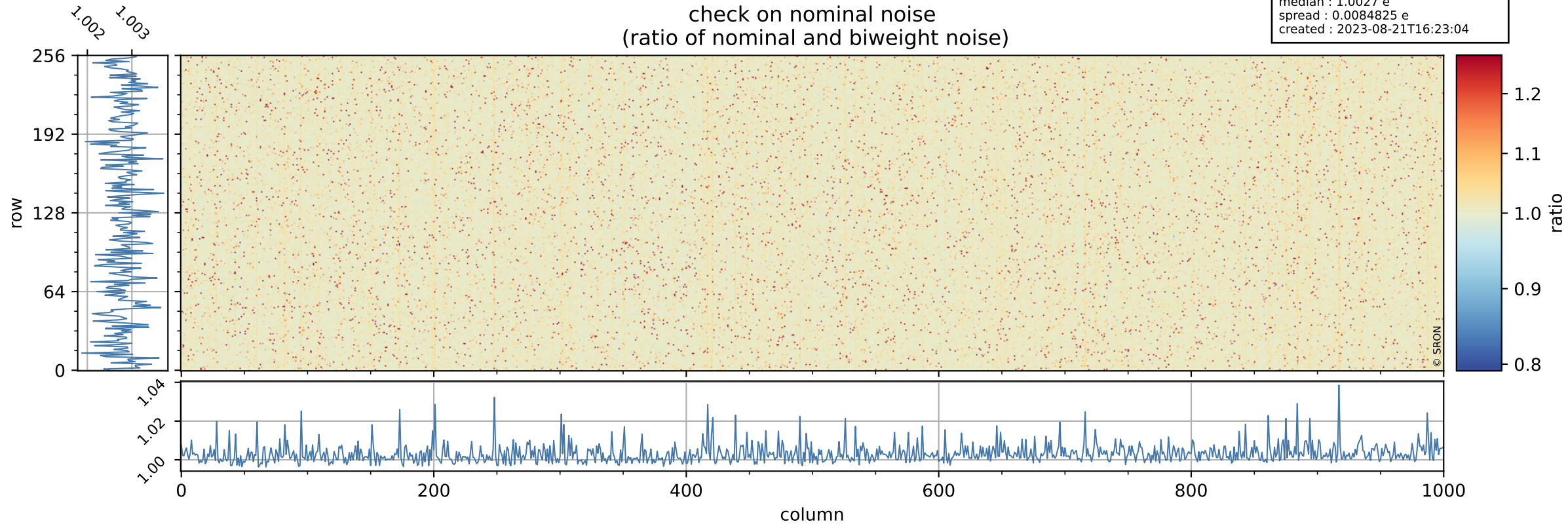
orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
median : 0.99777 e  
spread : 0.0055788 e  
created : 2023-08-21T16:23:04



# Tropomi SWIR background noise (swir)

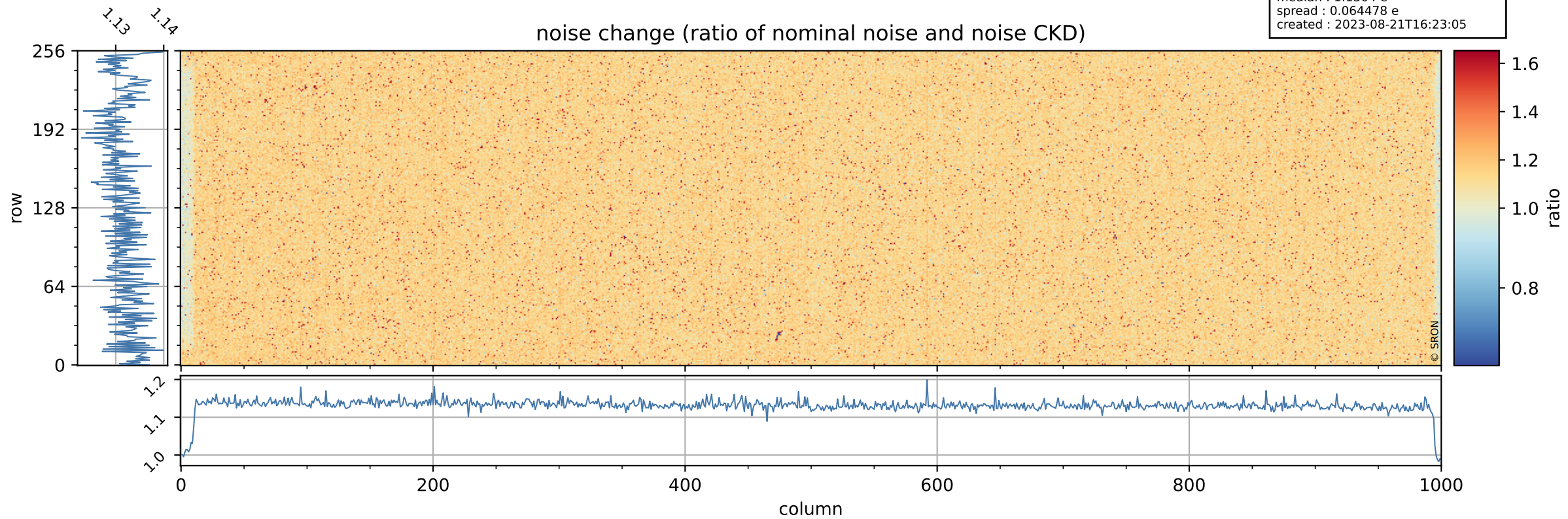
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
median : 1.0027 e  
spread : 0.0084825 e  
created : 2023-08-21T16:23:04



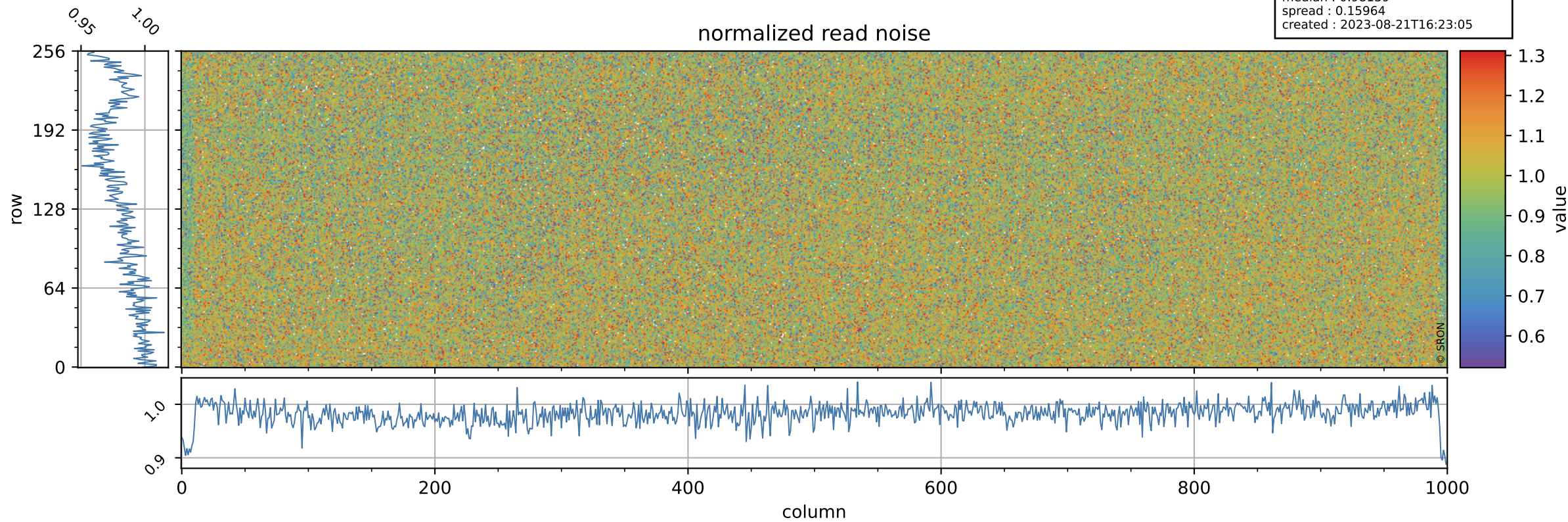
# Tropomi SWIR background noise (swir)

orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
median : 1.1304 e  
spread : 0.064478 e  
created : 2023-08-21T16:23:05



# Tropomi SWIR background noise (swir)

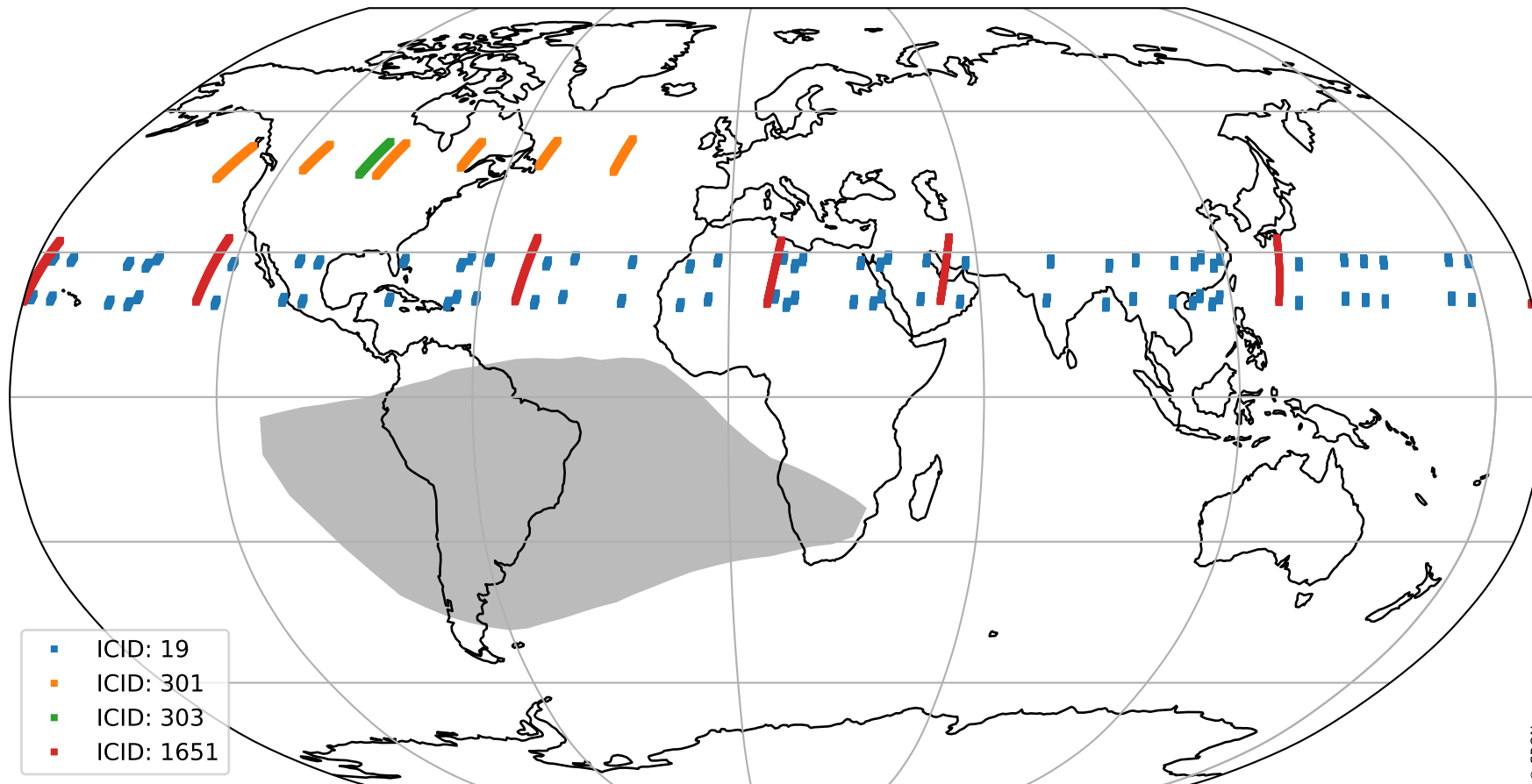
orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
median : 0.98139  
spread : 0.15964  
created : 2023-08-21T16:23:05





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

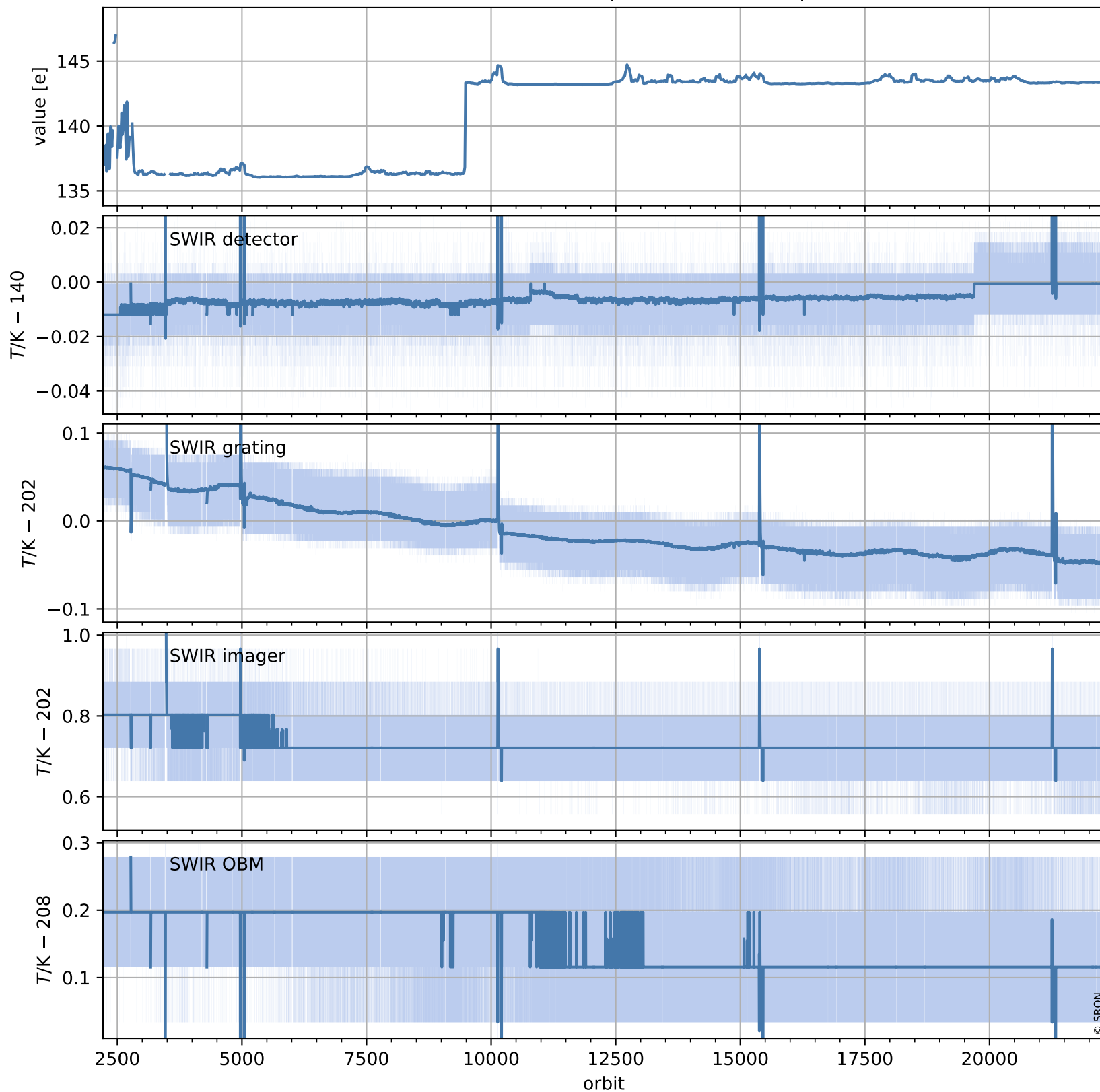
orbits : 13 in [22222, 22312]  
coverage : 2022-01-27 / 2022-02-01  
created : 2023-08-21T16:23:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 22312]  
coverage : 2018-03-18 / 2022-02-01  
created : 2023-08-21T16:23:06

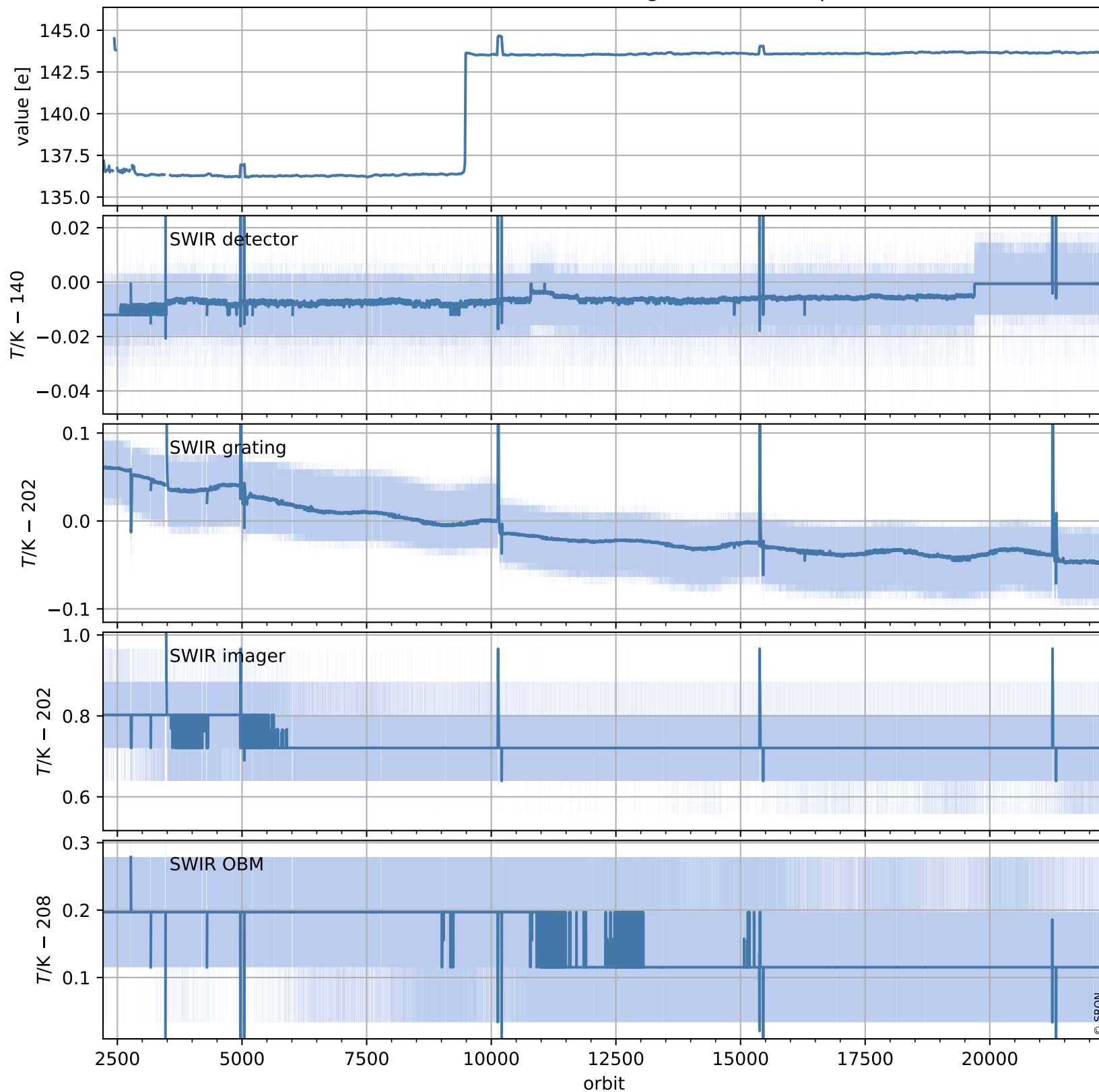
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22312]  
coverage : 2018-03-18 / 2022-02-01  
created : 2023-08-21T16:23:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22312]  
coverage : 2018-03-18 / 2022-02-01  
created : 2023-08-21T16:23:08

## trend of normalized read-noise & temperatures

