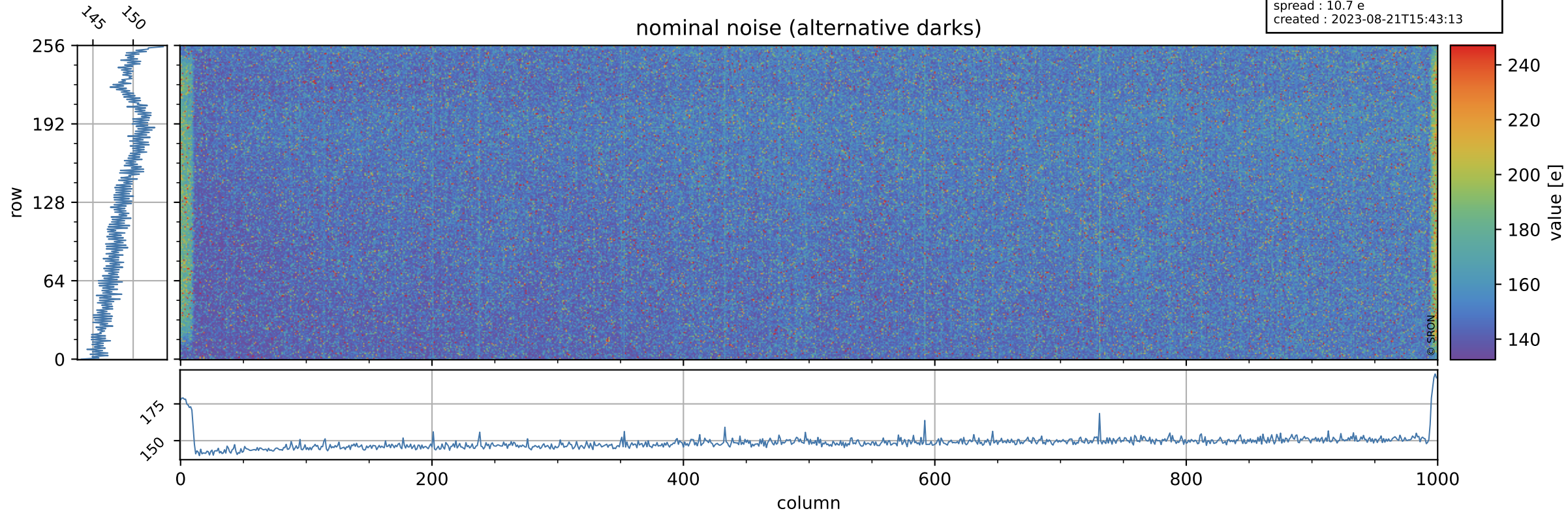


# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.55 e  
spread : 10.7 e  
created : 2023-08-21T15:43:13

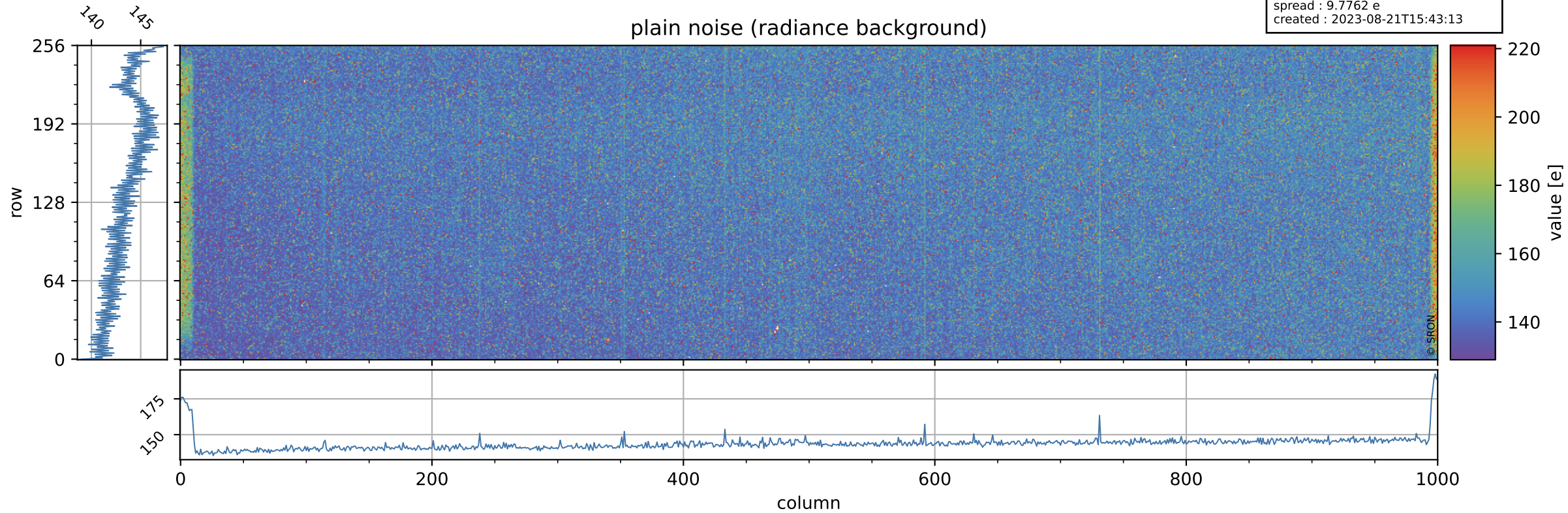
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7762 e  
created : 2023-08-21T15:43:13

plain noise (radiance background)

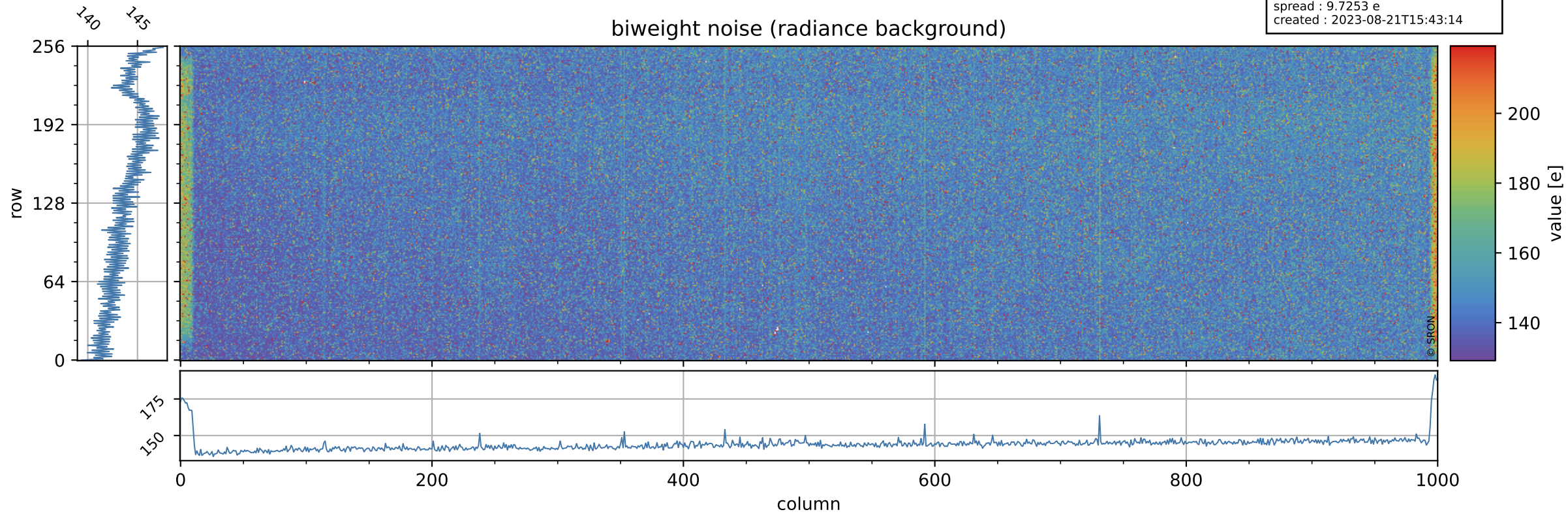




# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7253 e  
created : 2023-08-21T15:43:14

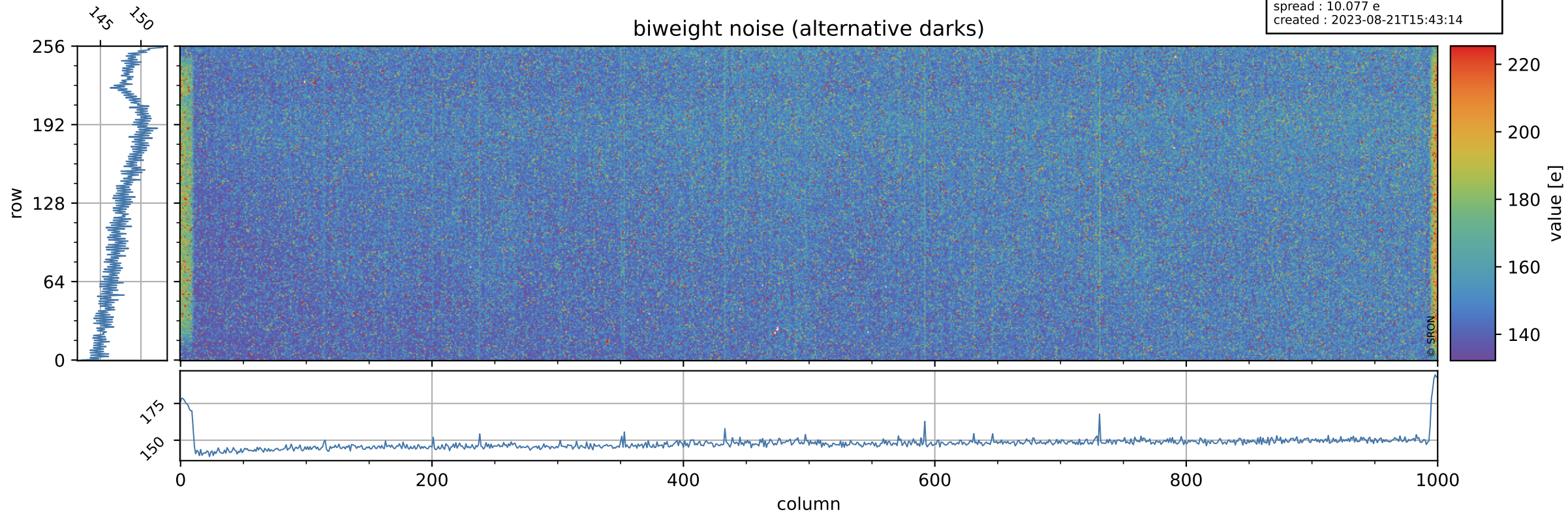
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.077 e  
created : 2023-08-21T15:43:14

## biweight noise (alternative darks)

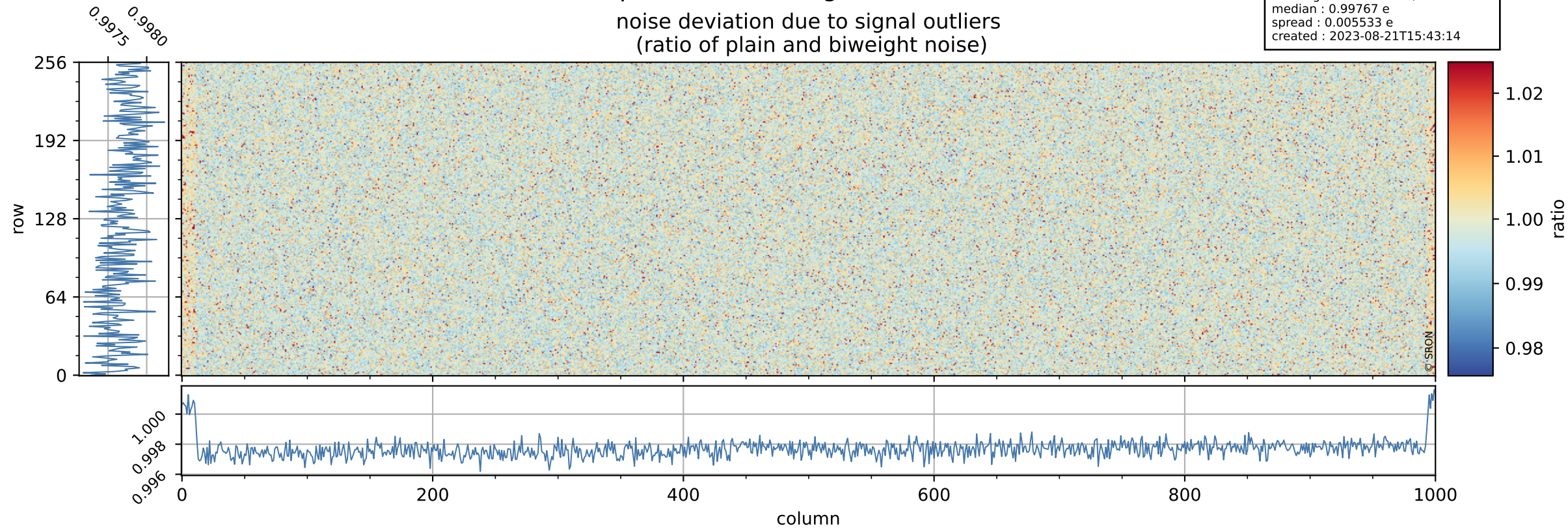




# Tropomi SWIR background noise (swir)

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

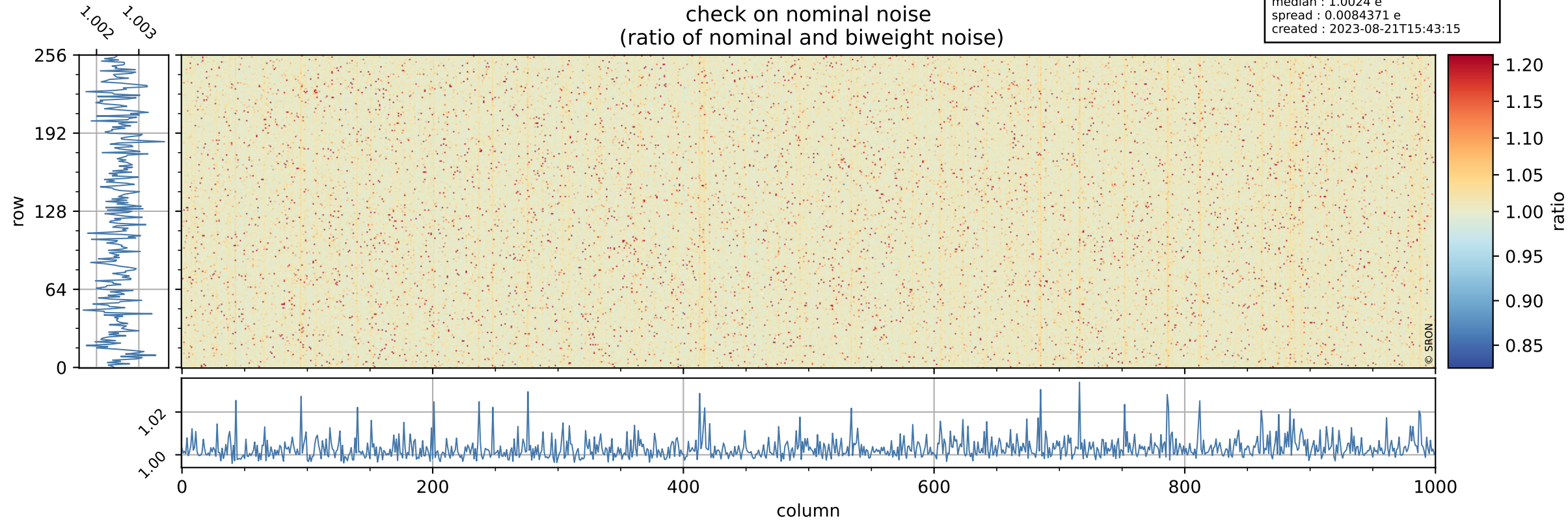
orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
median : 0.99767 e  
spread : 0.005533 e  
created : 2023-08-21T15:43:14



# Tropomi SWIR background noise (swir)

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

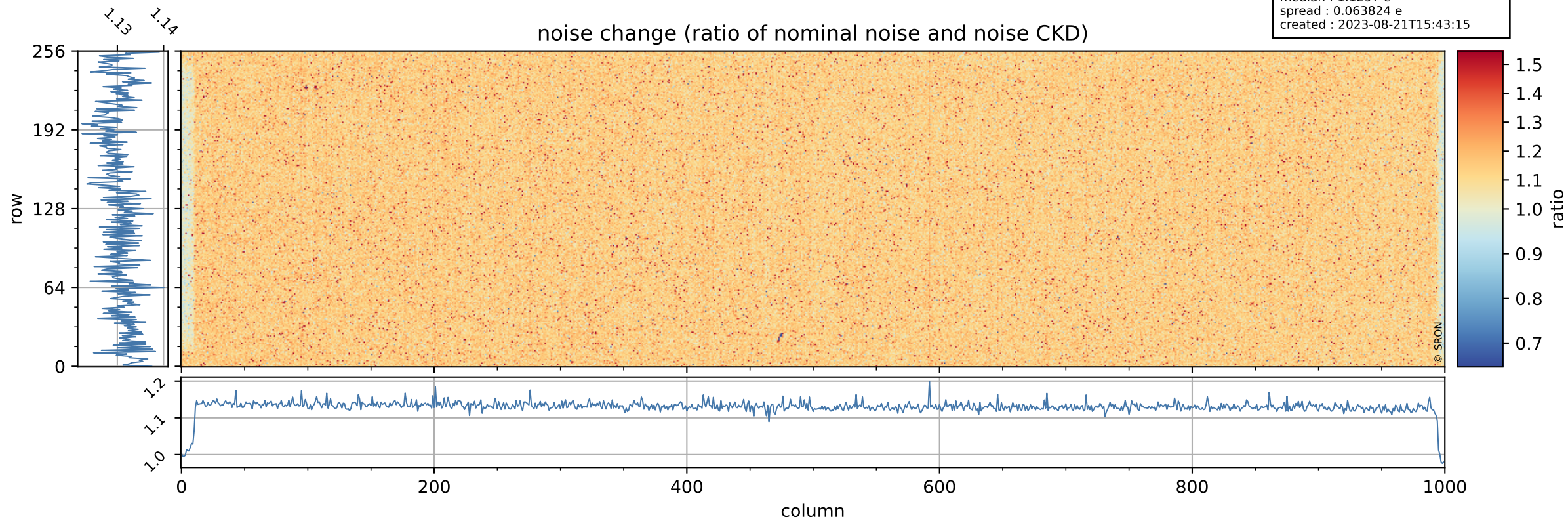
orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
median : 1.0024 e  
spread : 0.0084371 e  
created : 2023-08-21T15:43:15





# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
median : 1.1297 e  
spread : 0.063824 e  
created : 2023-08-21T15:43:15

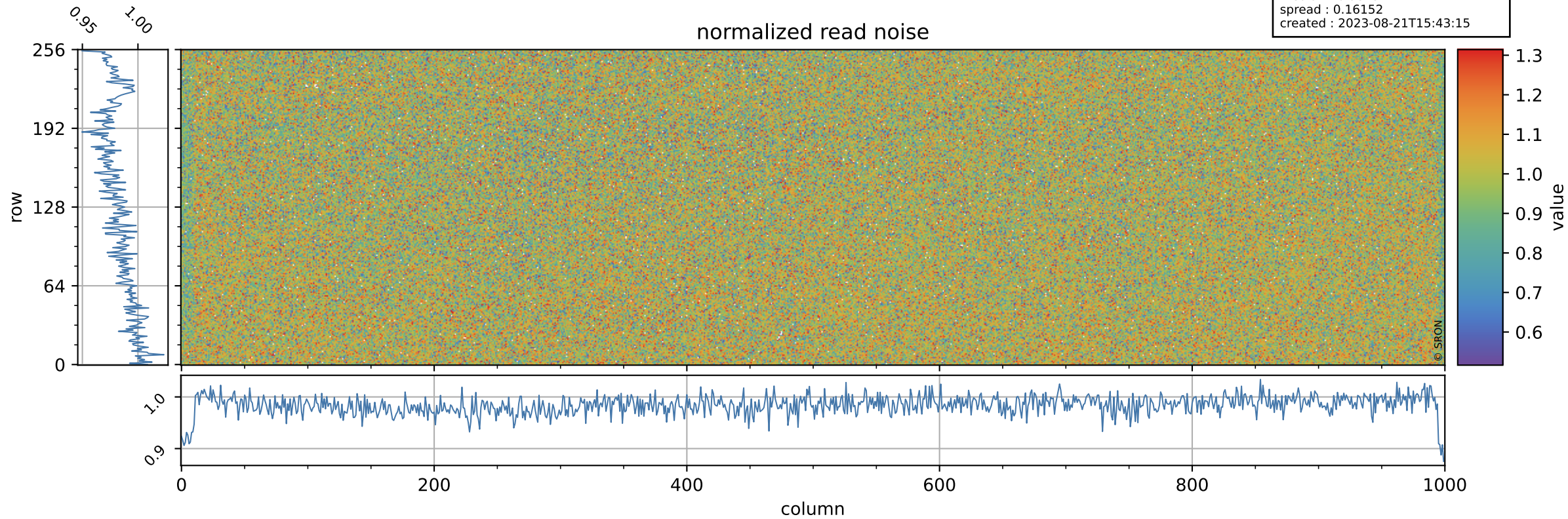




# Tropomi SWIR background noise (swir)

orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
median : 0.9825  
spread : 0.16152  
created : 2023-08-21T15:43:15

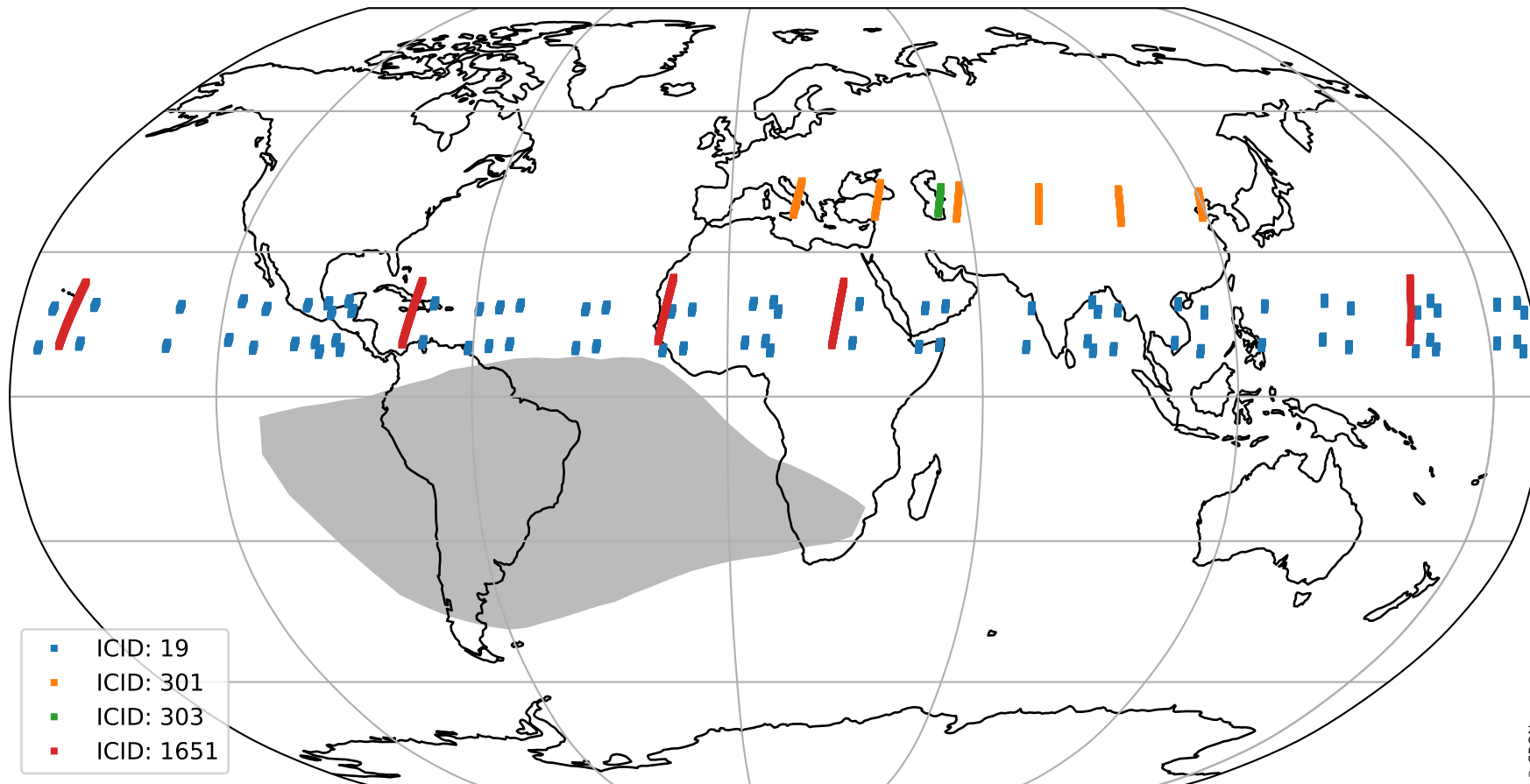
normalized read noise





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

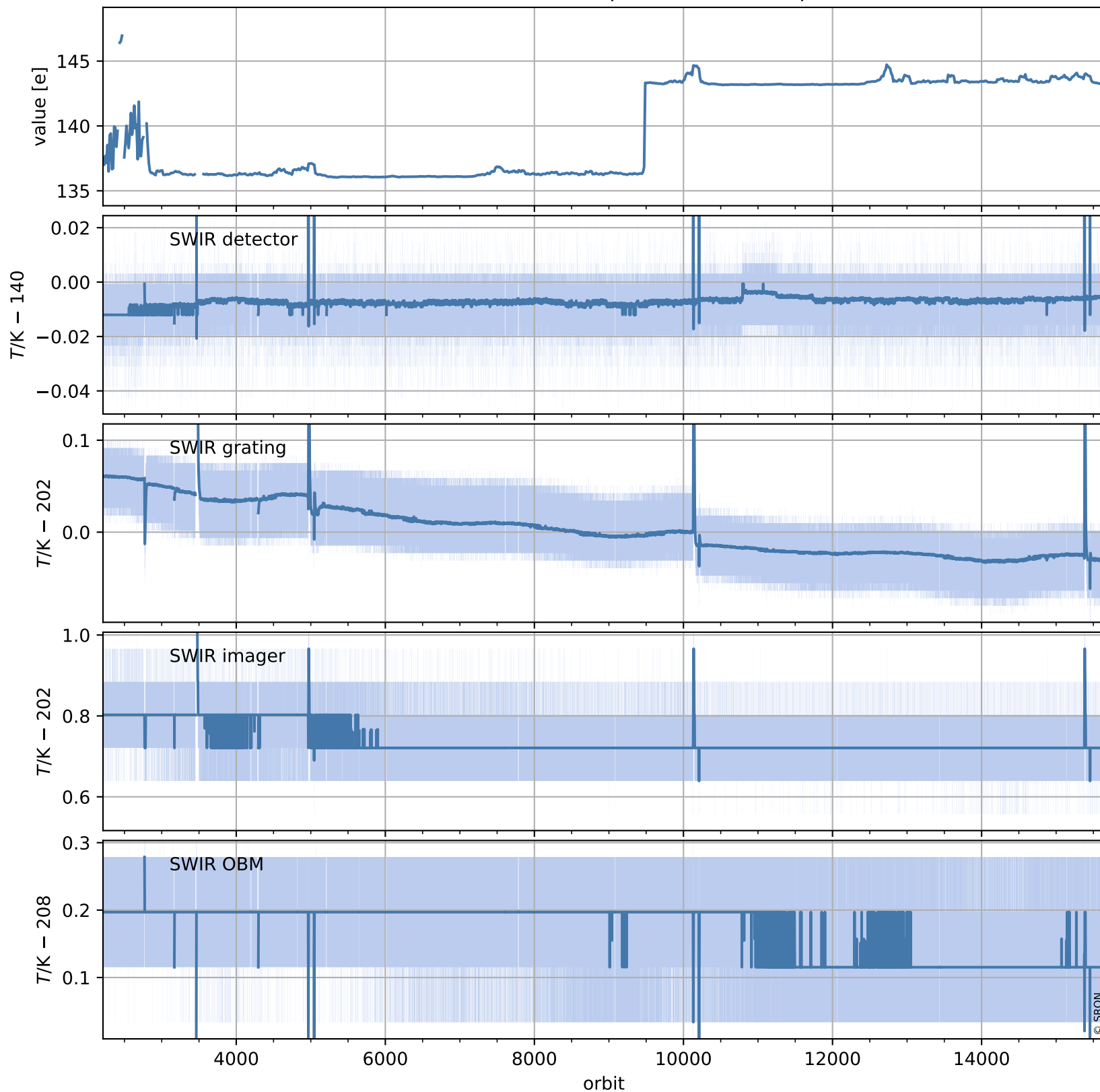
orbits : 12 in [15562, 15652]  
coverage : 2020-10-14 / 2020-10-20  
created : 2023-08-21T15:43:15



# Tropomi SWIR background noise (swir)

orbits : [2212, 15652]  
coverage : 2018-03-18 / 2020-10-20  
created : 2023-08-21T15:43:16

## trend of detector median of plain noise & temperatures

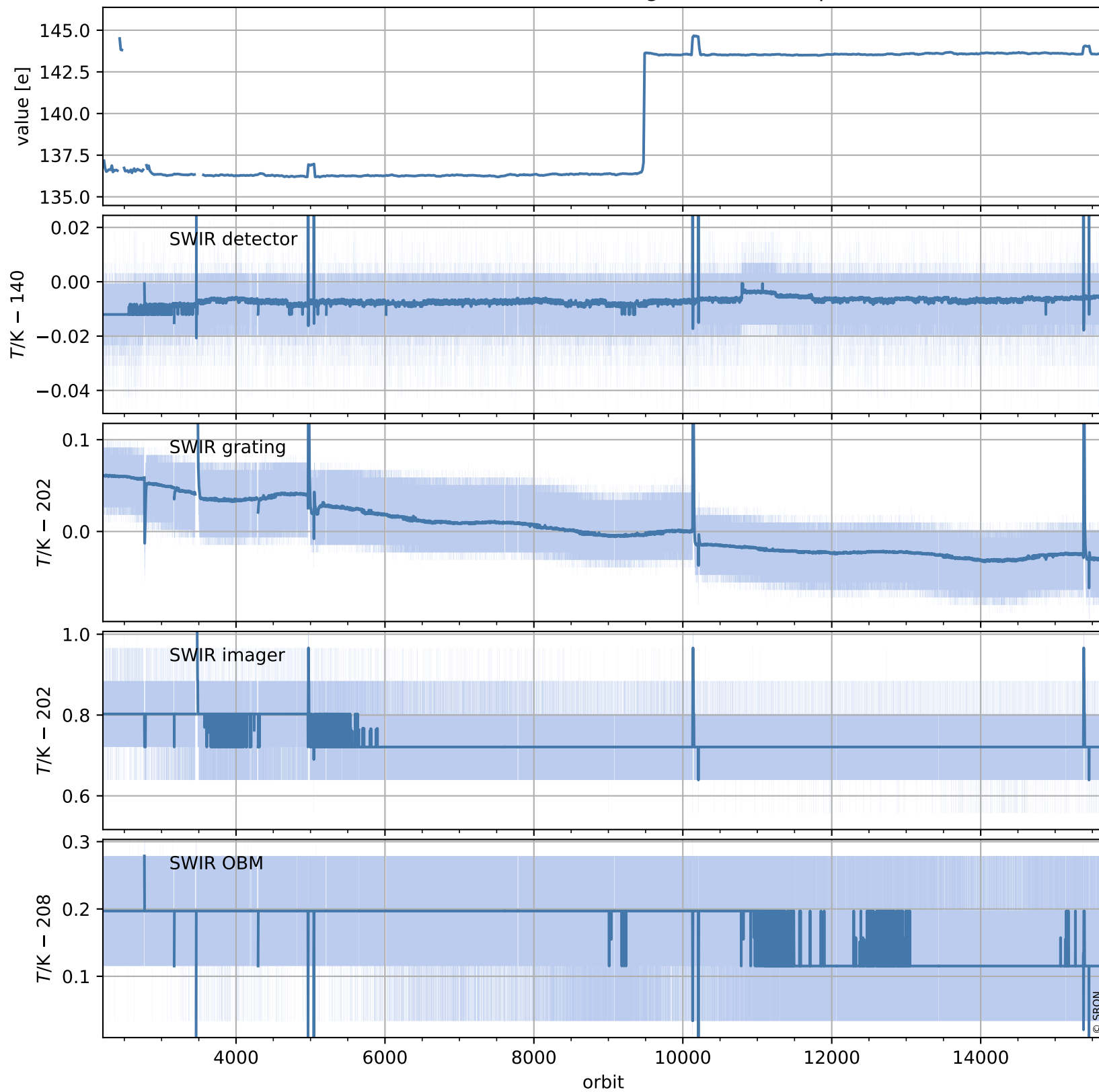




# Tropomi SWIR background noise (swir)

orbits : [2212, 15652]  
coverage : 2018-03-18 / 2020-10-20  
created : 2023-08-21T15:43:16

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15652]  
coverage : 2018-03-18 / 2020-10-20  
created : 2023-08-21T15:43:17

## trend of normalized read-noise & temperatures

