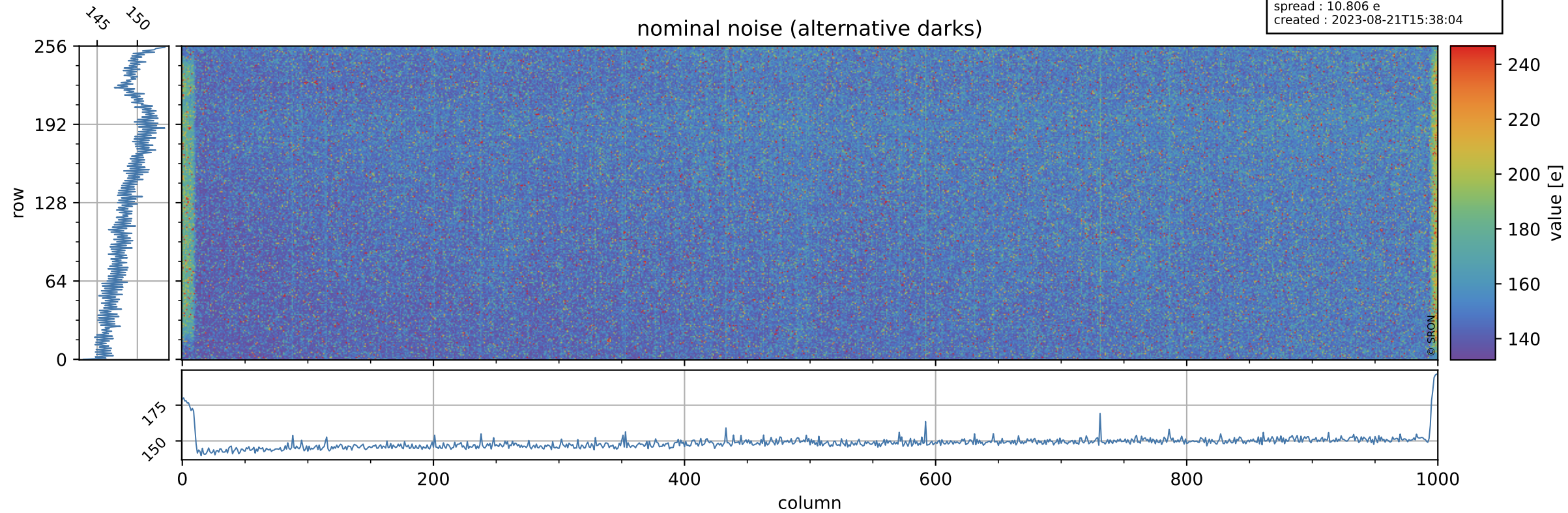


# Tropomi SWIR background noise (swir)

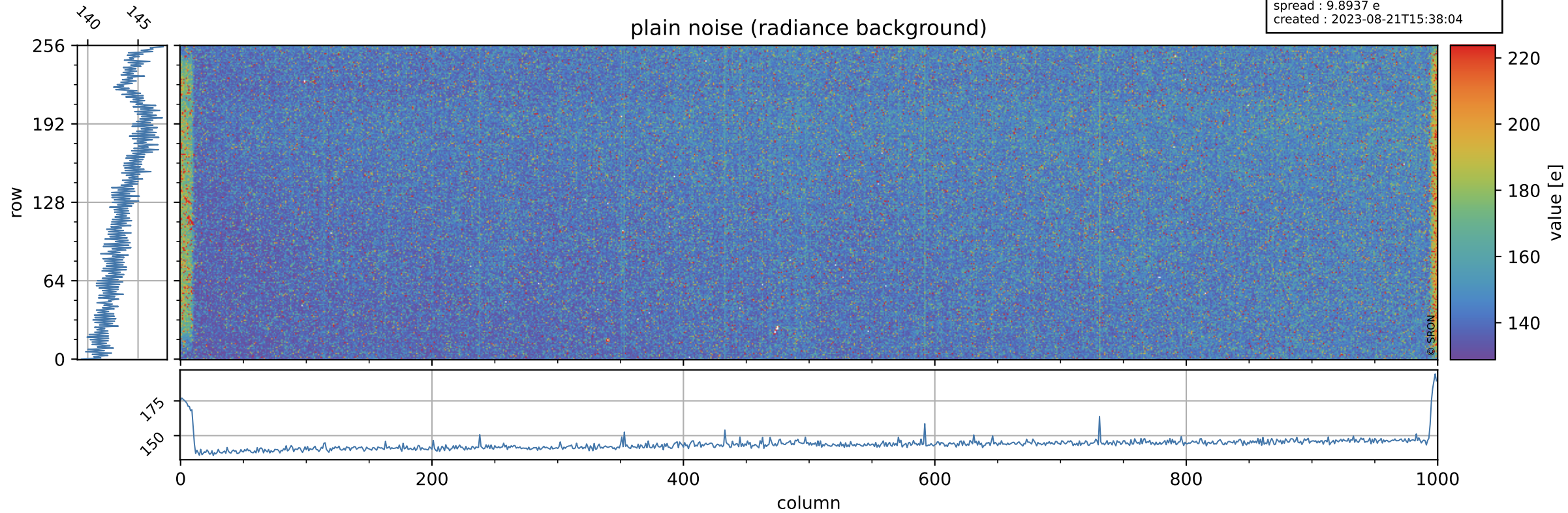
orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.806 e  
created : 2023-08-21T15:38:04



# Tropomi SWIR background noise (swir)

orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.59 e  
spread : 9.8937 e  
created : 2023-08-21T15:38:04

## plain noise (radiance background)

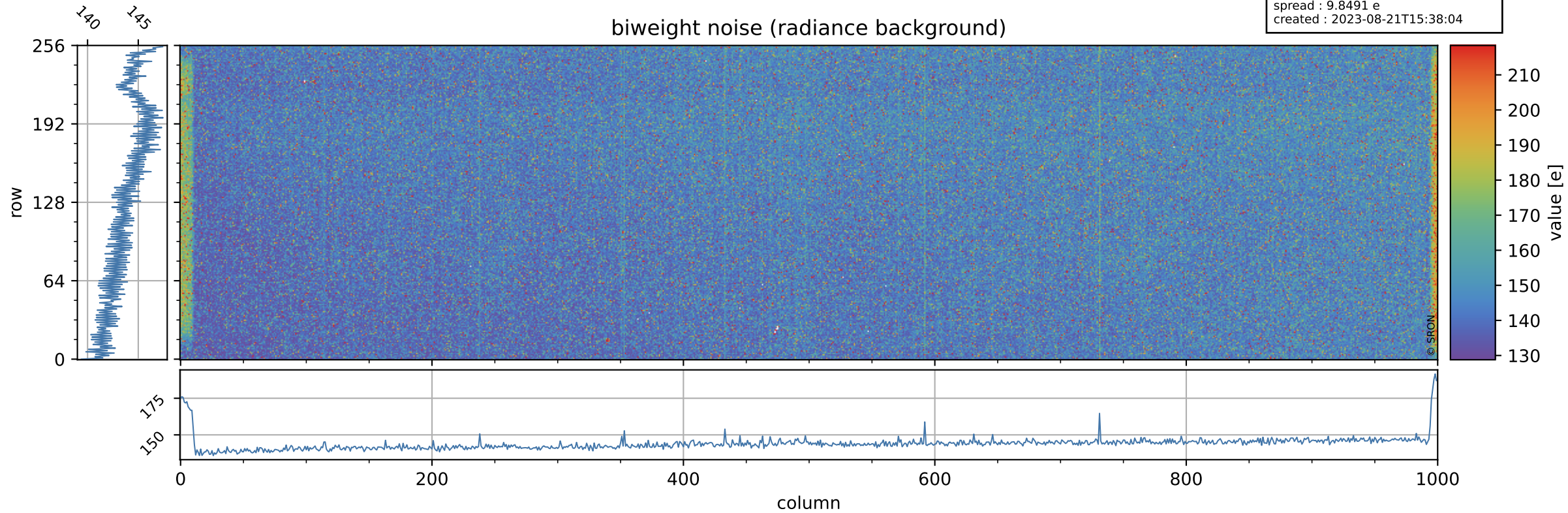




# Tropomi SWIR background noise (swir)

orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.8491 e  
created : 2023-08-21T15:38:04

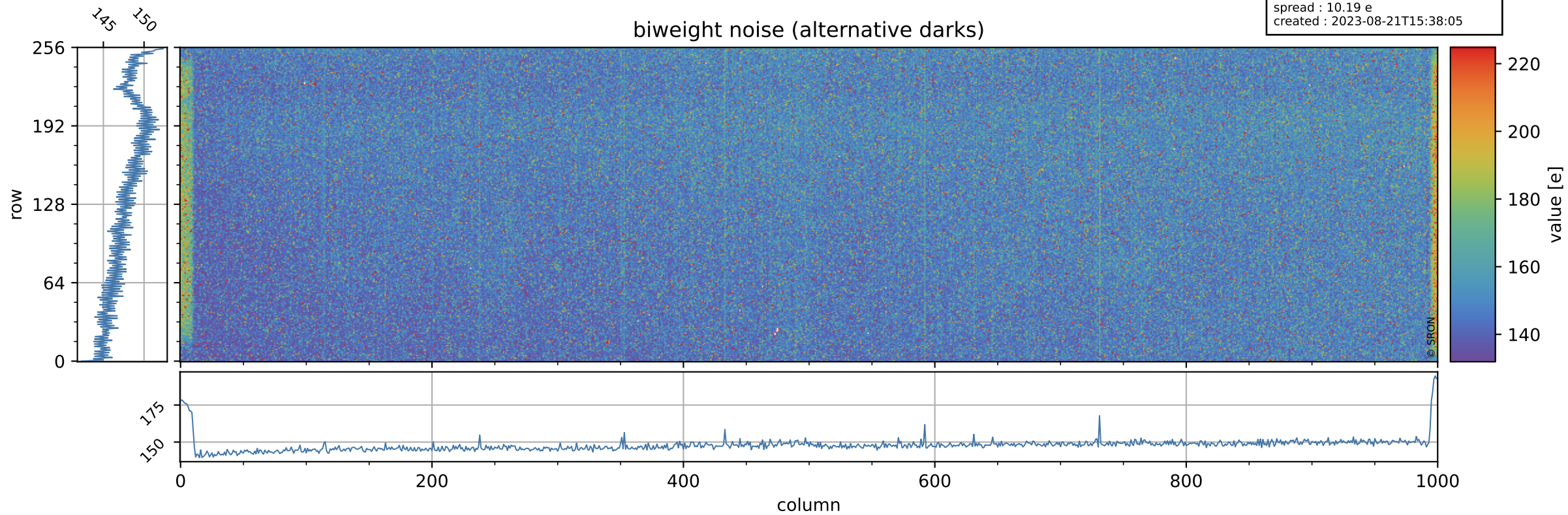
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.19 e  
created : 2023-08-21T15:38:05

## biweight noise (alternative darks)

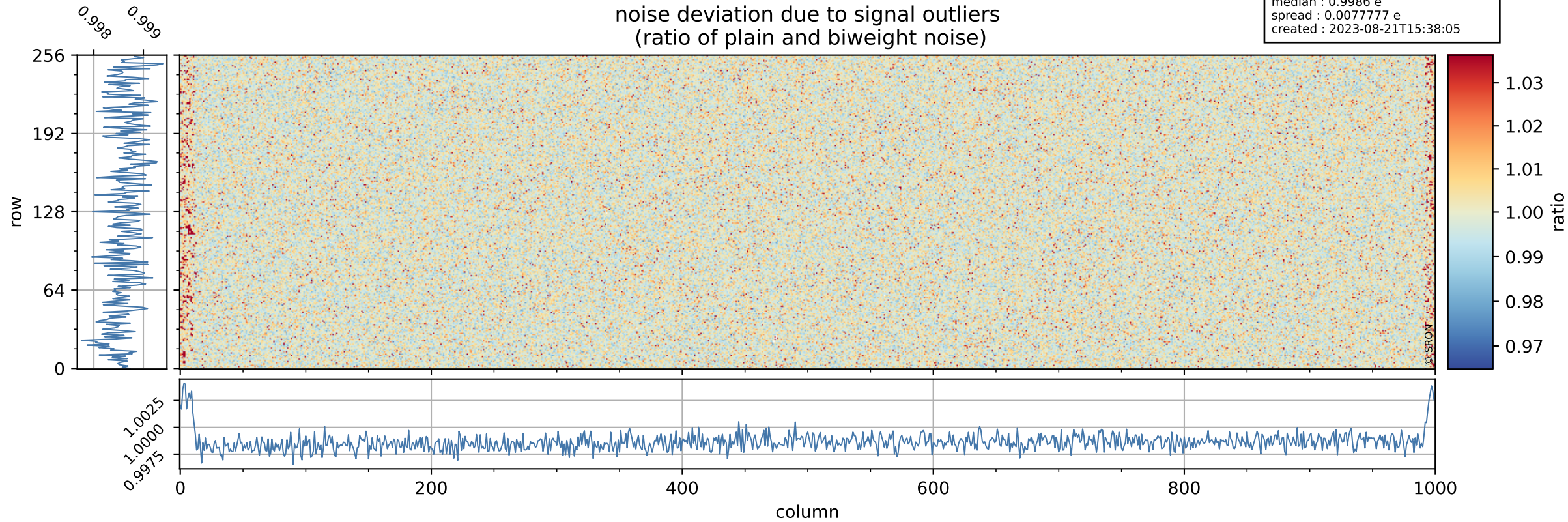




# Tropomi SWIR background noise (swir)

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

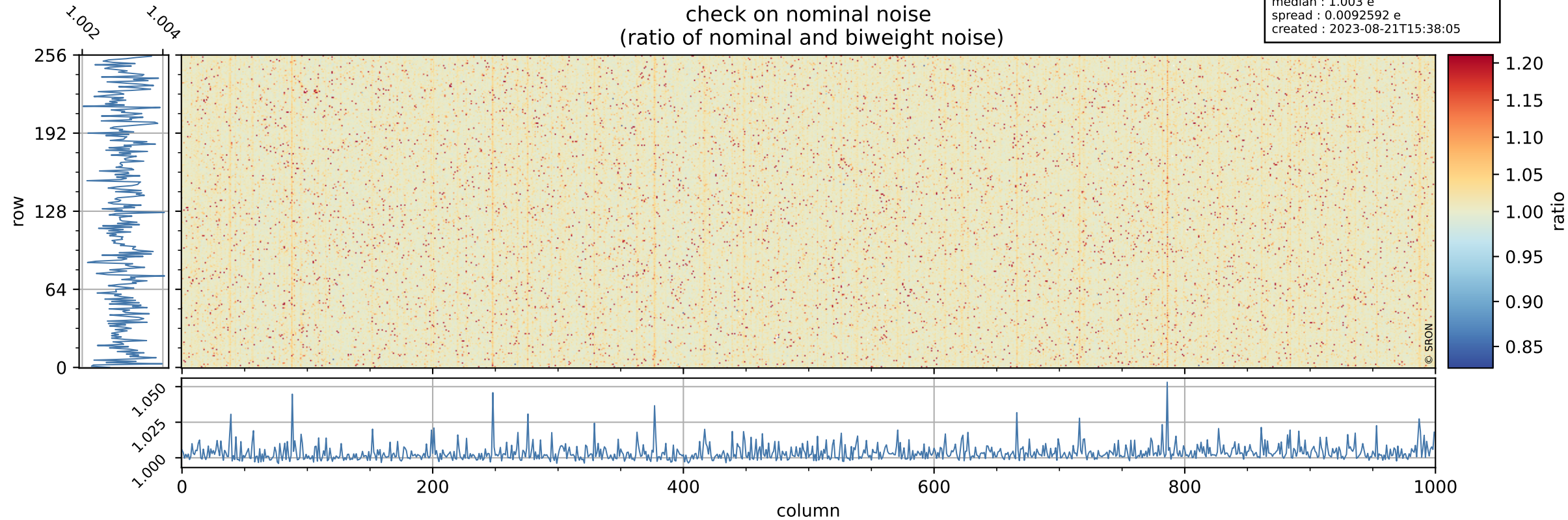
orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
median : 0.9986 e  
spread : 0.0077777 e  
created : 2023-08-21T15:38:05



# Tropomi SWIR background noise (swir)

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

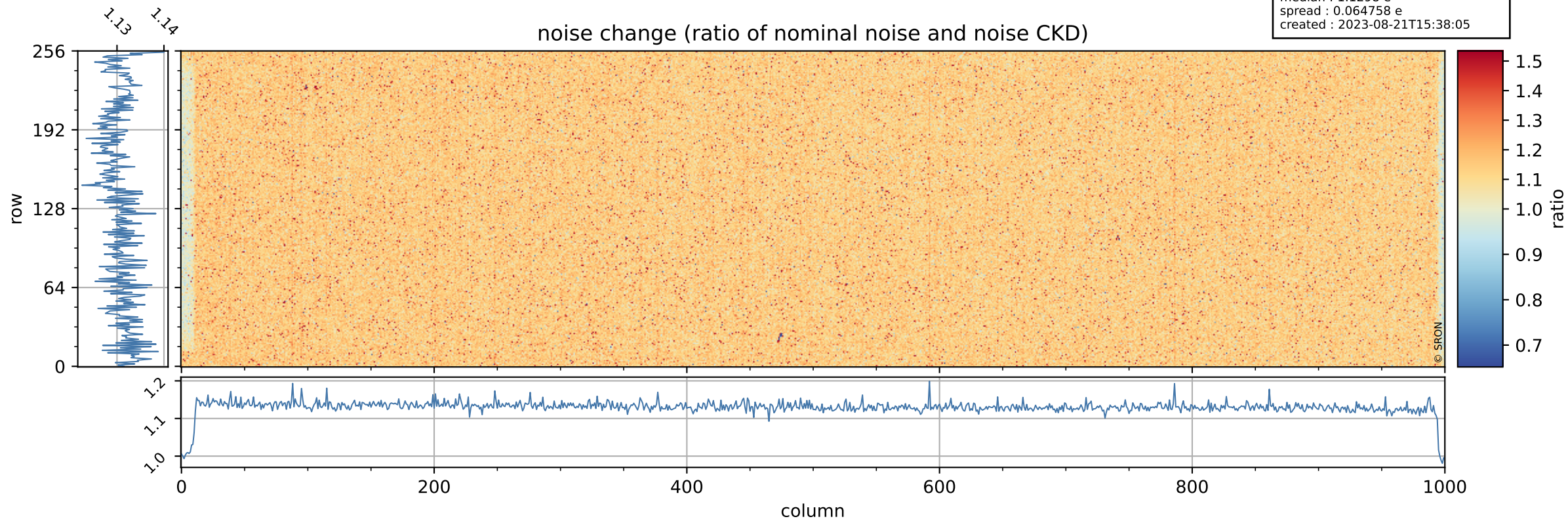
orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
median : 1.003 e  
spread : 0.0092592 e  
created : 2023-08-21T15:38:05





# Tropomi SWIR background noise (swir)

orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
median : 1.1298 e  
spread : 0.064758 e  
created : 2023-08-21T15:38:05

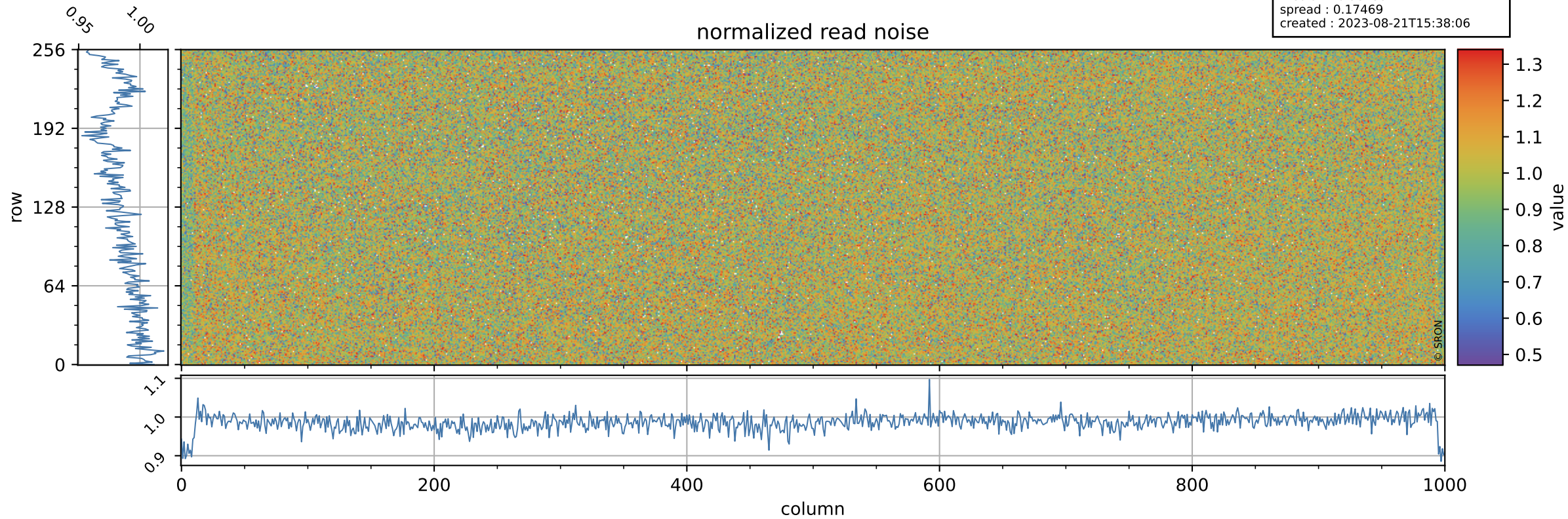




# Tropomi SWIR background noise (swir)

orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
median : 0.98459  
spread : 0.17469  
created : 2023-08-21T15:38:06

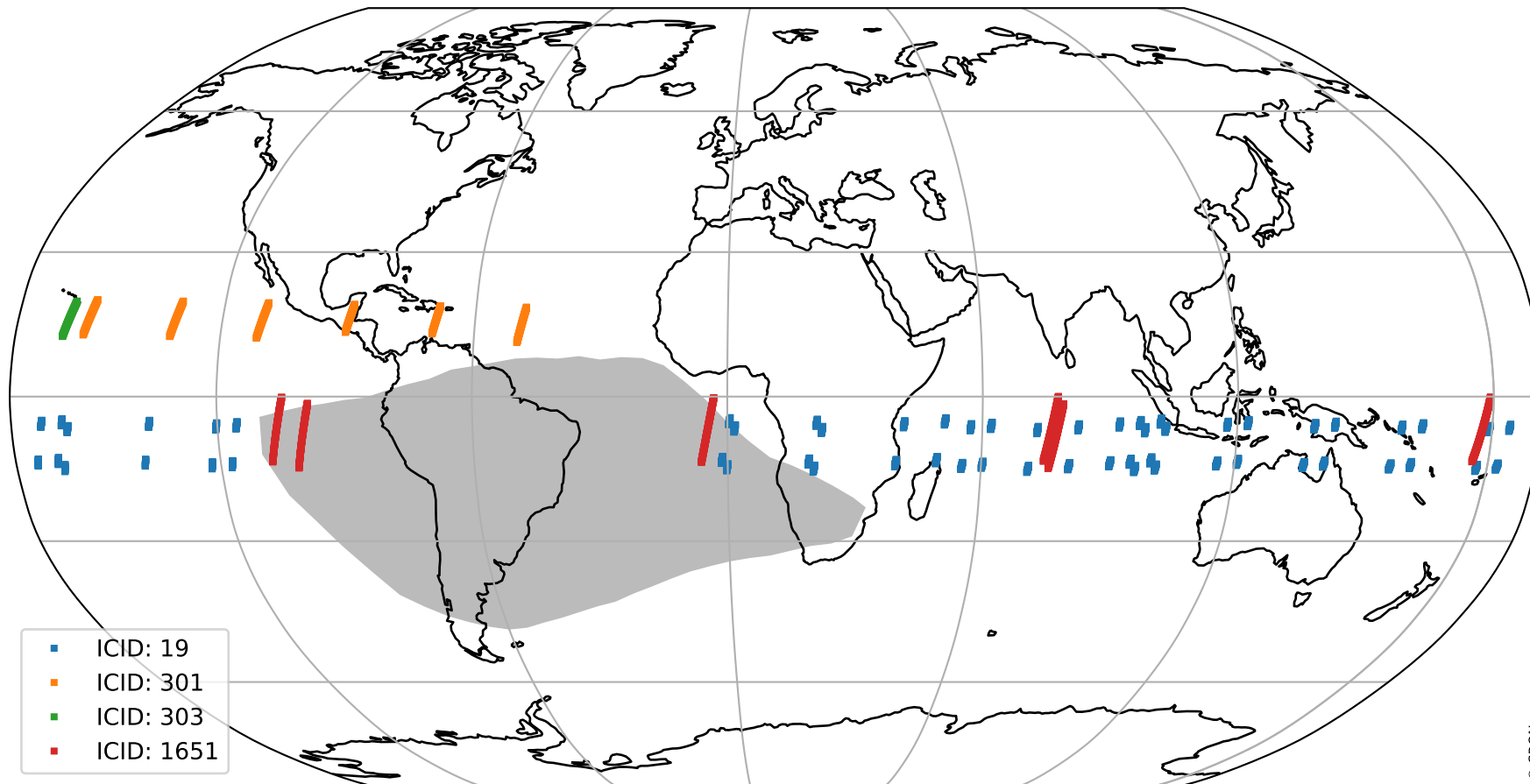
normalized read noise





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

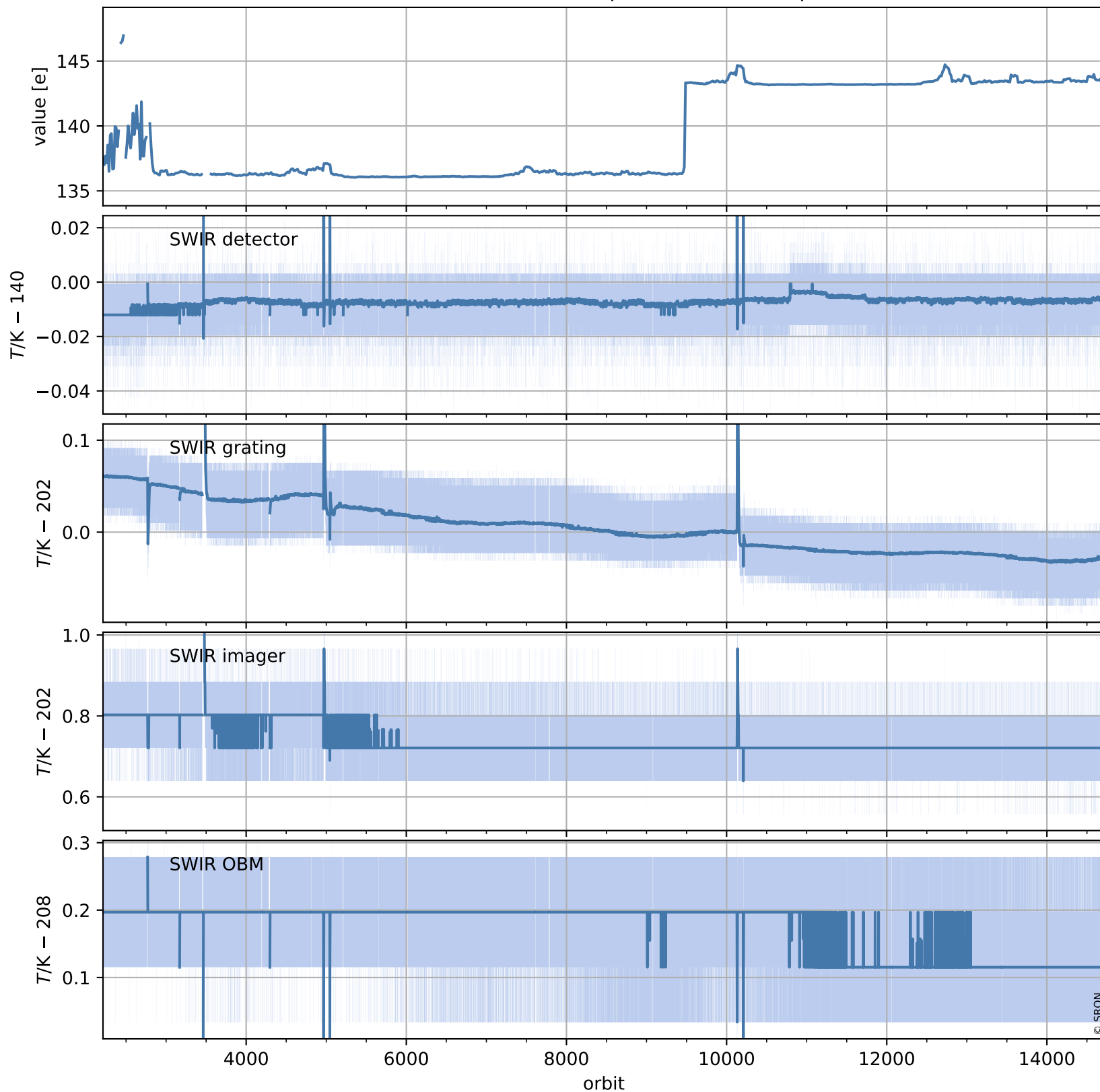
orbits : 13 in [14632, 14722]  
coverage : 2020-08-10 / 2020-08-15  
created : 2023-08-21T15:38:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 14722]  
coverage : 2018-03-18 / 2020-08-15  
created : 2023-08-21T15:38:06

## trend of detector median of plain noise & temperatures

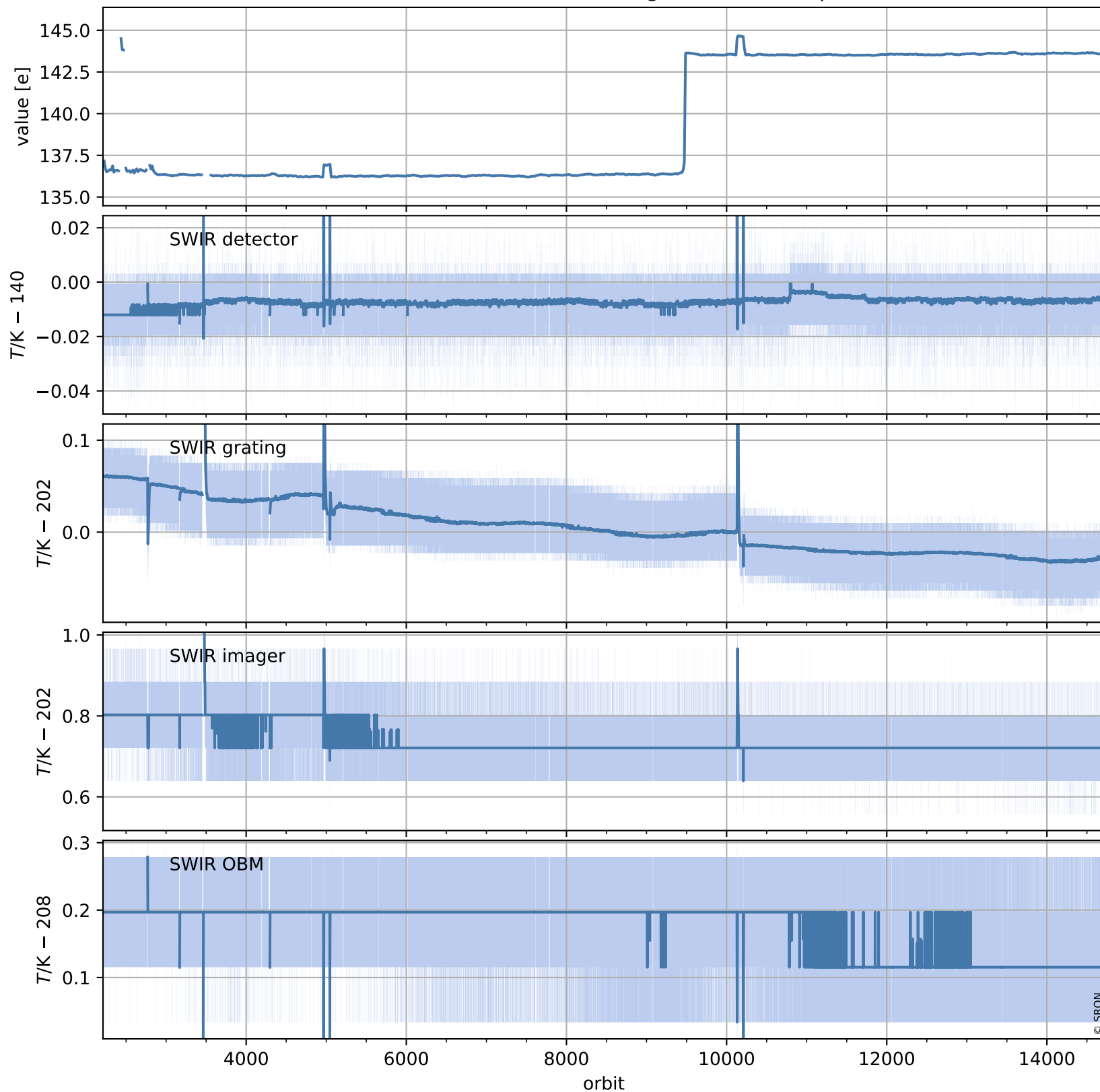




# Tropomi SWIR background noise (swir)

orbits : [2212, 14722]  
coverage : 2018-03-18 / 2020-08-15  
created : 2023-08-21T15:38:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14722]  
coverage : 2018-03-18 / 2020-08-15  
created : 2023-08-21T15:38:08

## trend of normalized read-noise & temperatures

