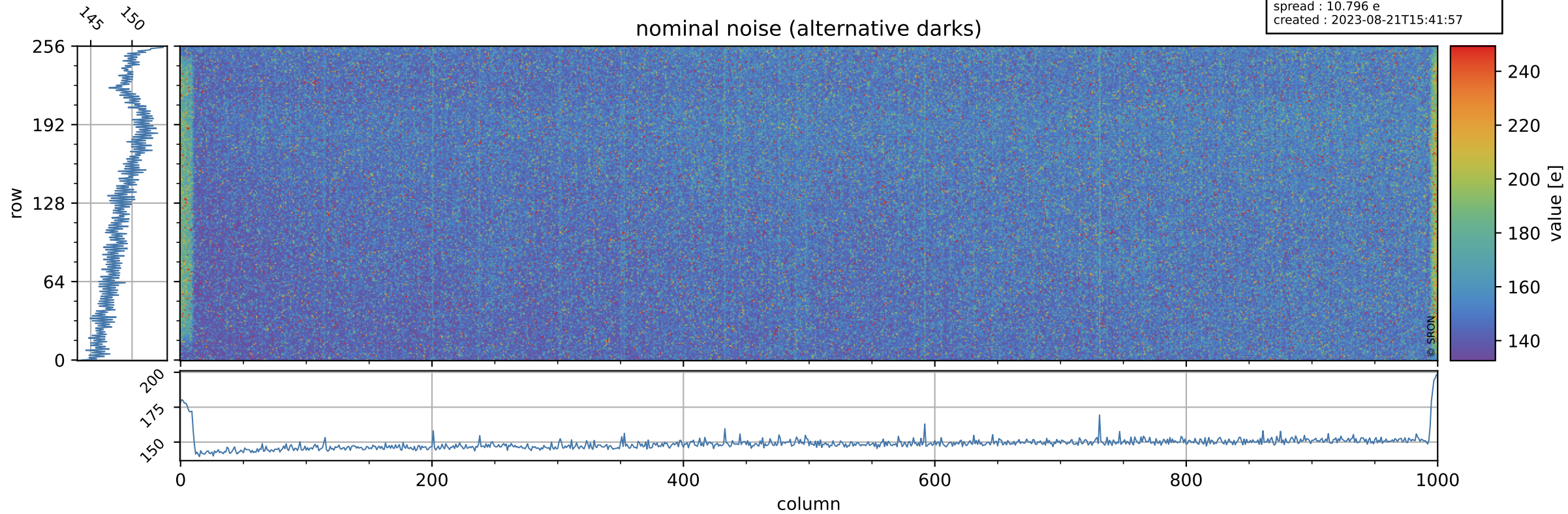


# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
n\_coad, t\_exp : 1, 1.0783  
median : 148.77 e  
spread : 10.796 e  
created : 2023-08-21T15:41:57

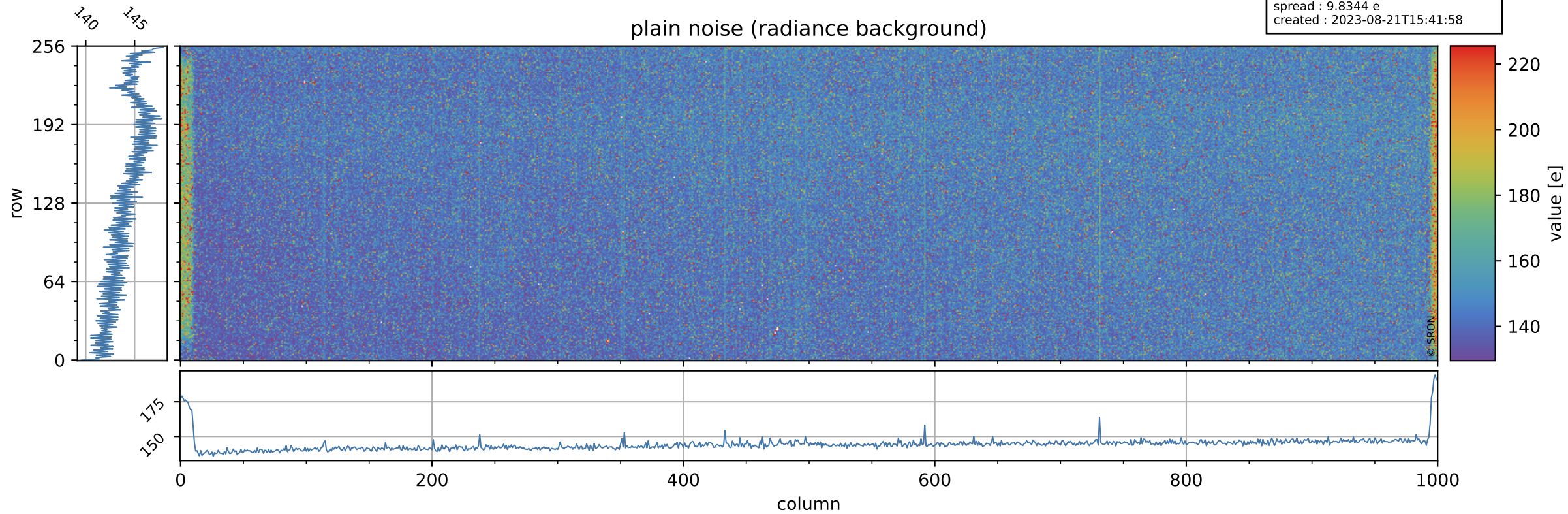
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
n\_coad, t\_exp : 1, 0.8383  
median : 144.05 e  
spread : 9.8344 e  
created : 2023-08-21T15:41:58

## plain noise (radiance background)

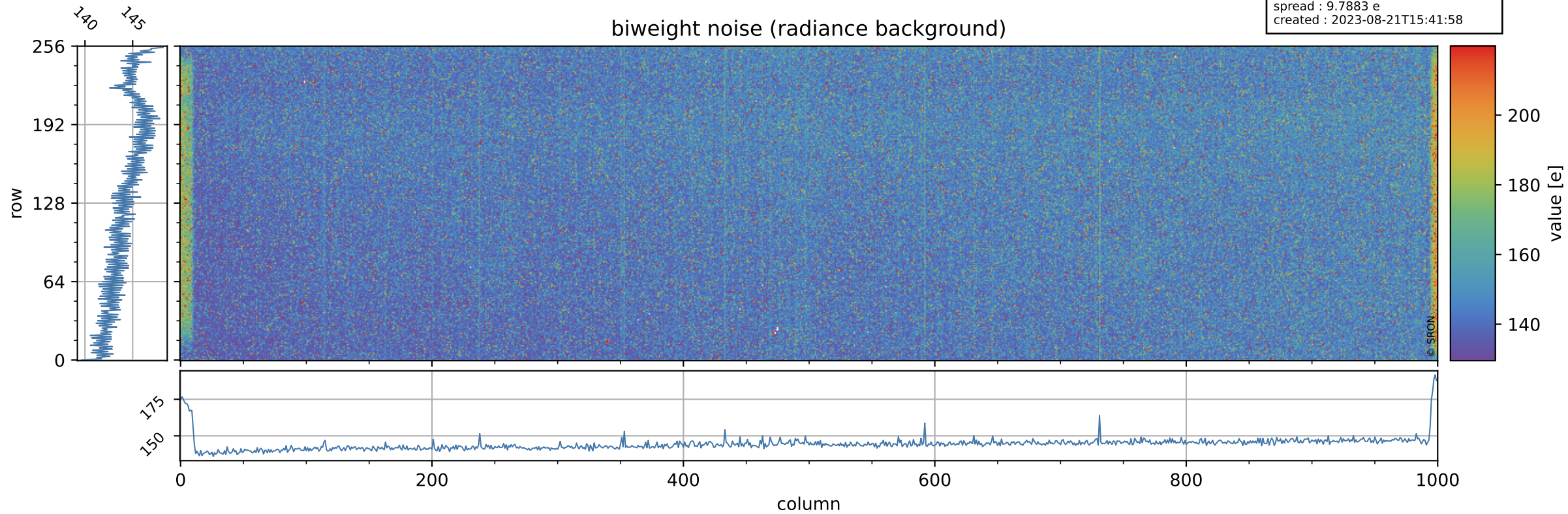




# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
n\_coad, t\_exp : 1, 0.8383  
median : 144.17 e  
spread : 9.7883 e  
created : 2023-08-21T15:41:58

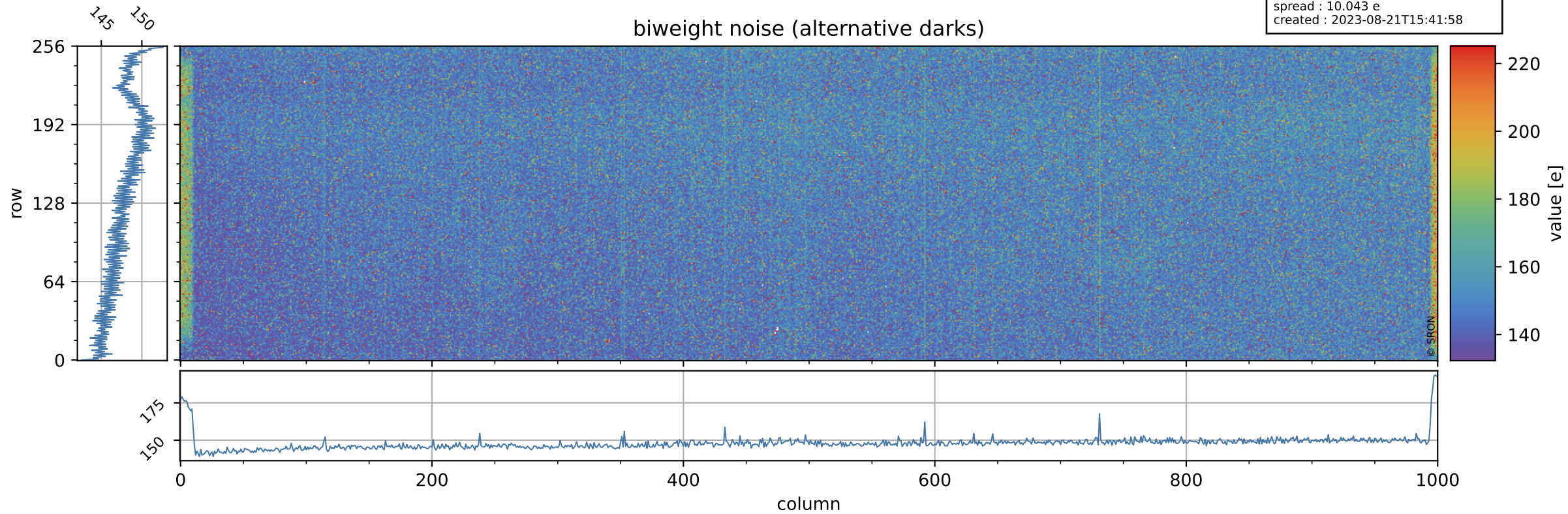
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
n\_coad, t\_exp : 1, 1.0783  
median : 147.67 e  
spread : 10.043 e  
created : 2023-08-21T15:41:58

## biweight noise (alternative darks)

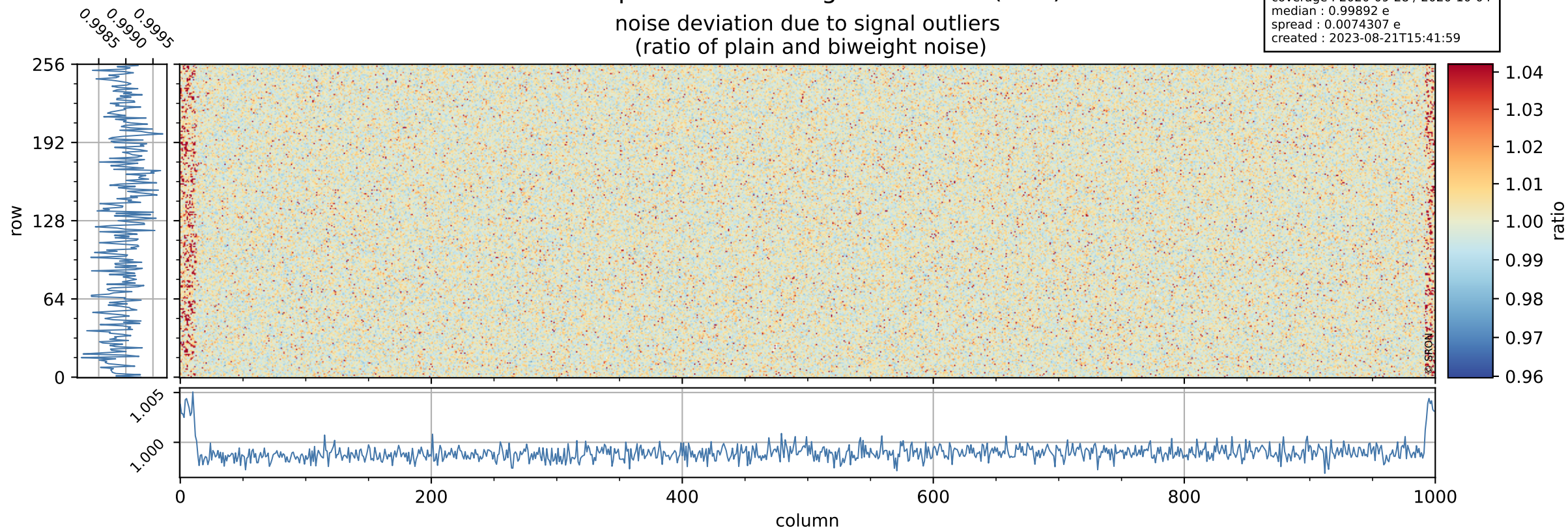




# Tropomi SWIR background noise (swir)

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

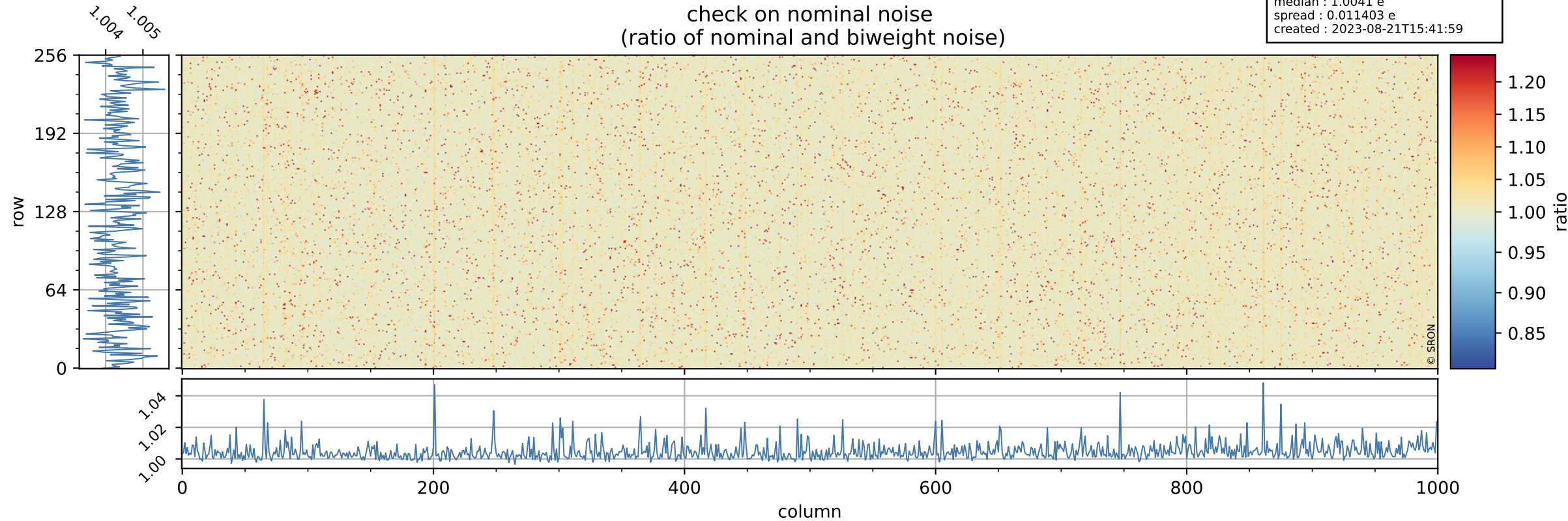
orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
median : 0.99892 e  
spread : 0.0074307 e  
created : 2023-08-21T15:41:59



# Tropomi SWIR background noise (swir)

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

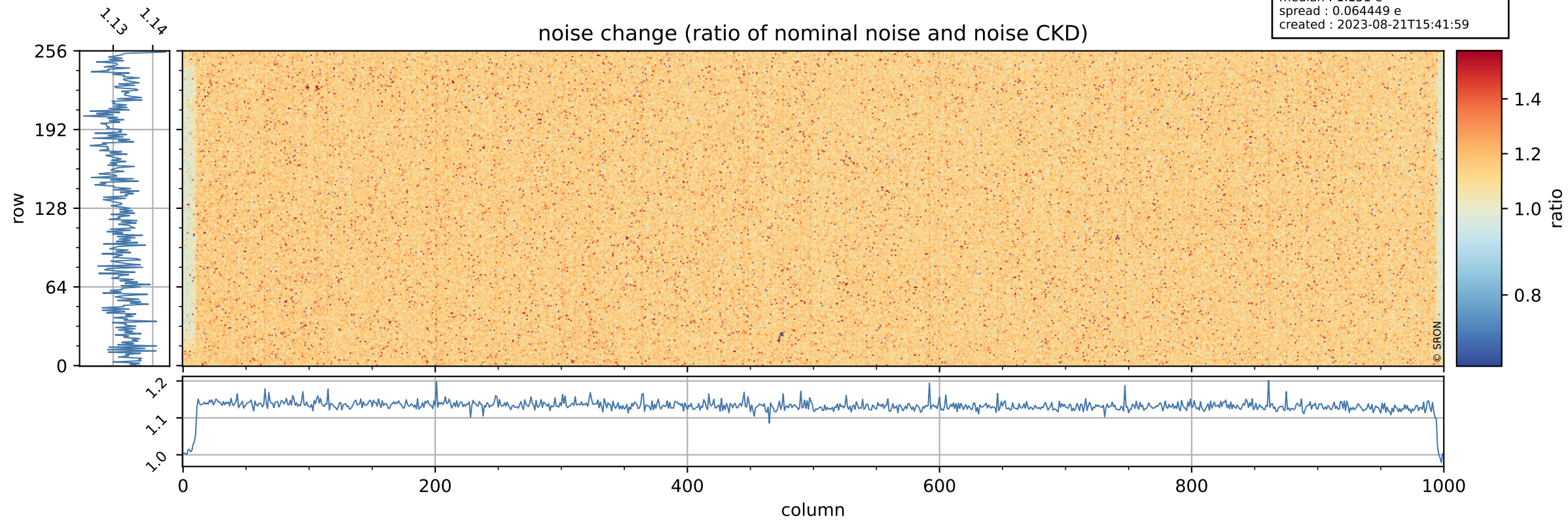
orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
median : 1.0041 e  
spread : 0.011403 e  
created : 2023-08-21T15:41:59





# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
median : 1.131 e  
spread : 0.064449 e  
created : 2023-08-21T15:41:59

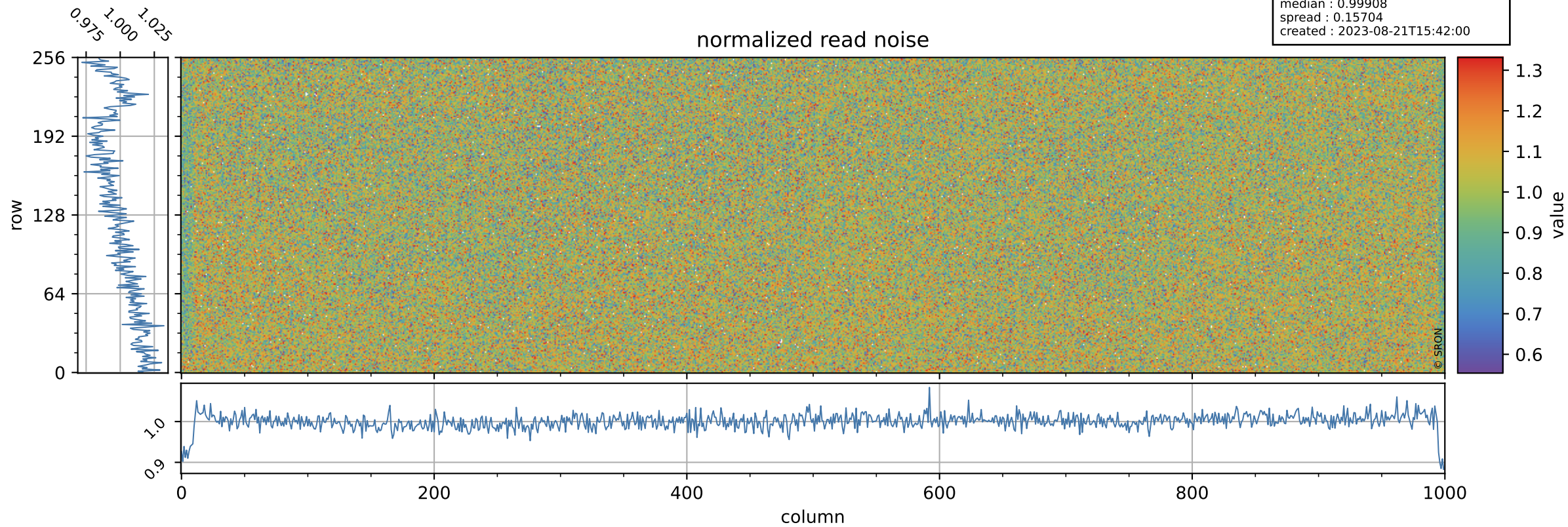




# Tropomi SWIR background noise (swir)

orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
median : 0.99908  
spread : 0.15704  
created : 2023-08-21T15:42:00

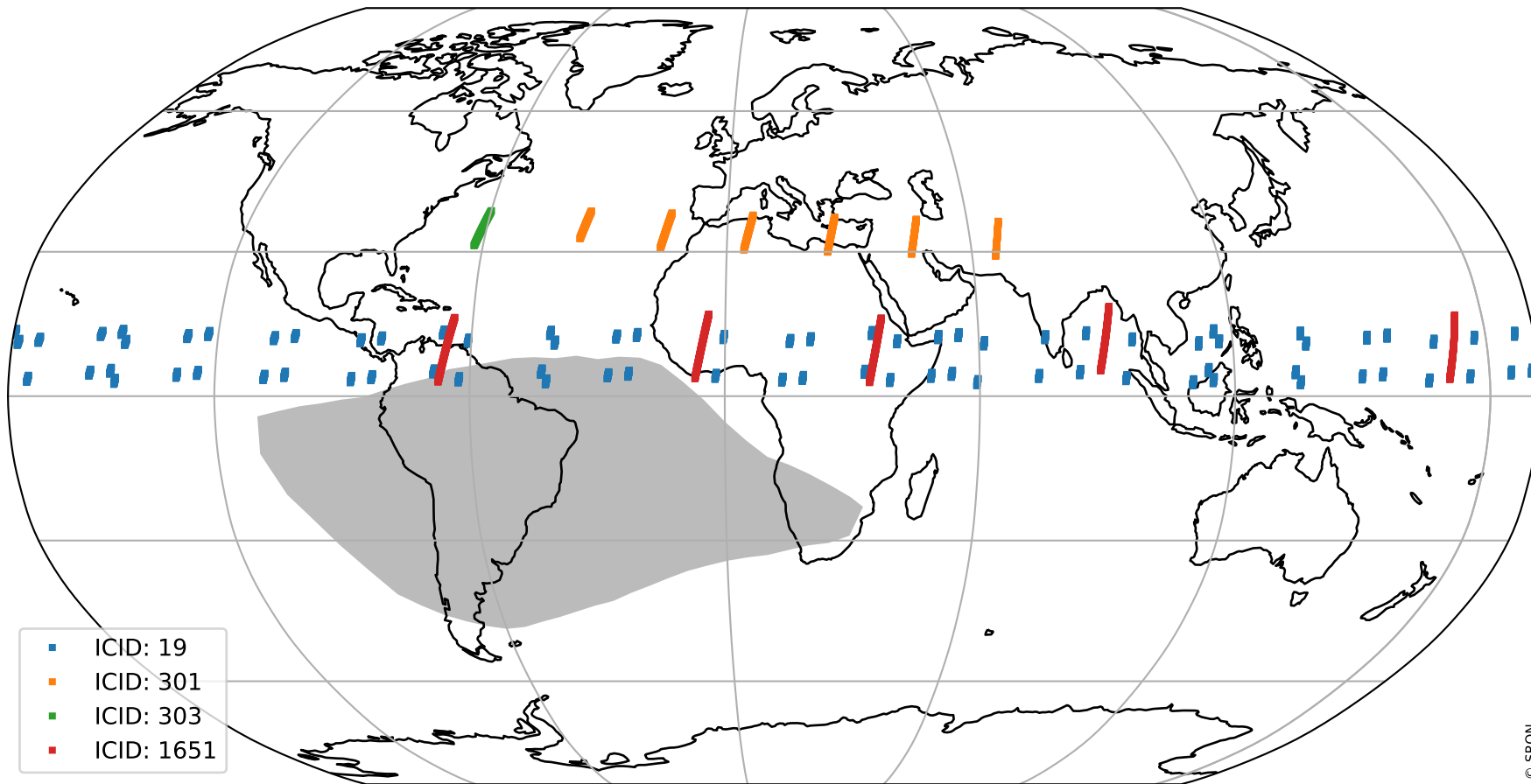
normalized read noise





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

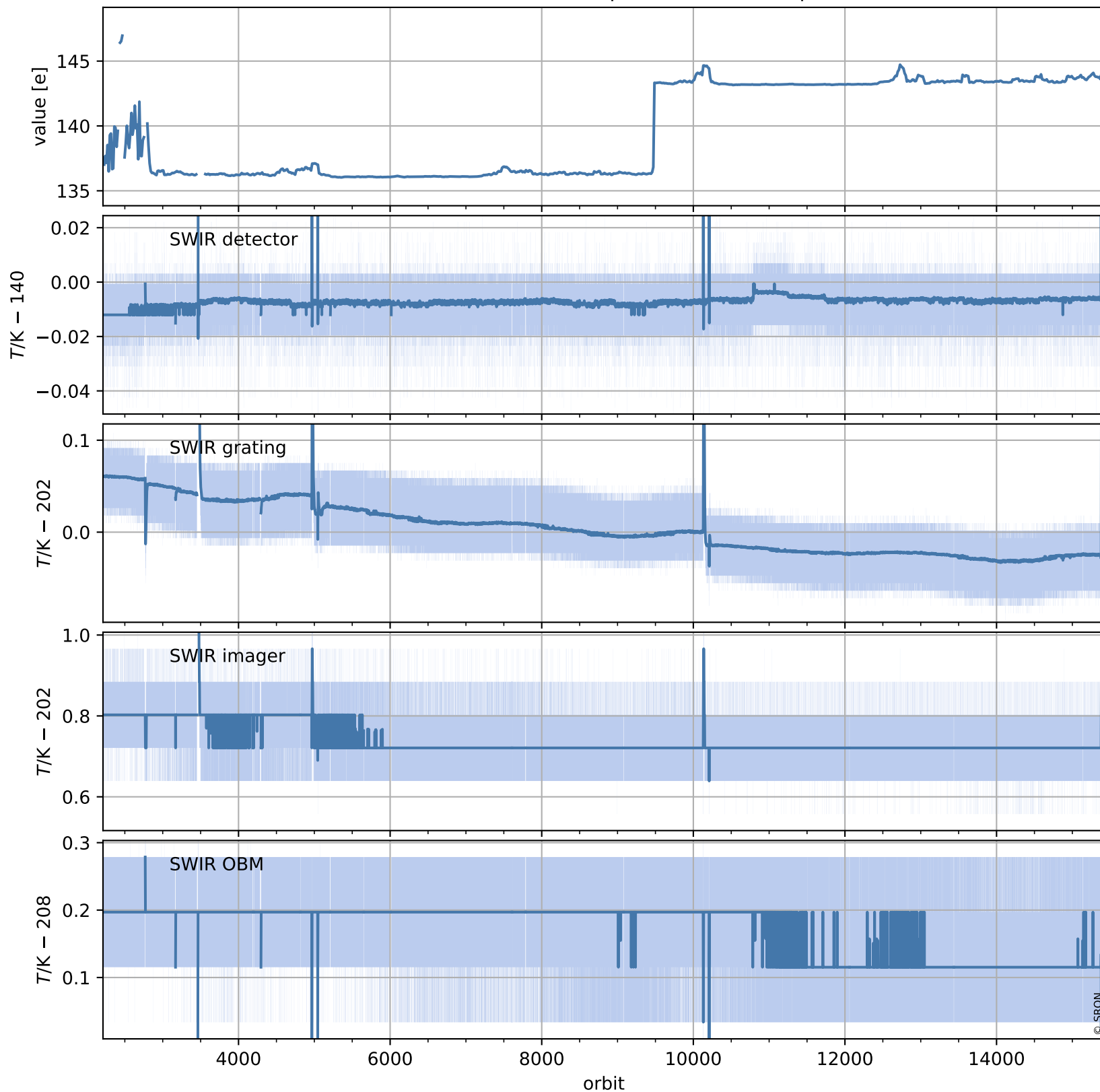
orbits : 12 in [15337, 15427]  
coverage : 2020-09-28 / 2020-10-04  
created : 2023-08-21T15:42:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 15427]  
coverage : 2018-03-18 / 2020-10-04  
created : 2023-08-21T15:42:00

## trend of detector median of plain noise & temperatures

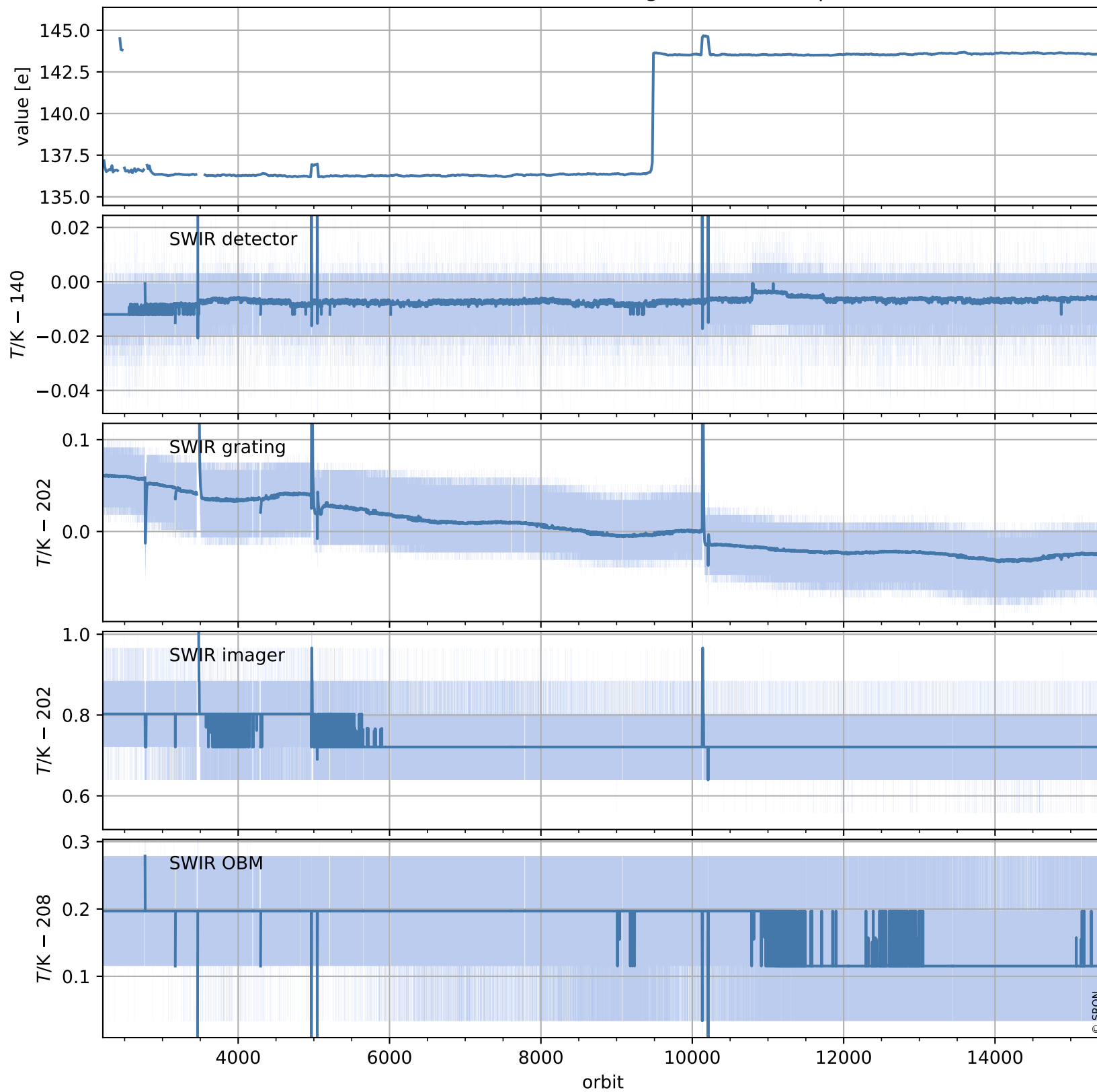




# Tropomi SWIR background noise (swir)

orbits : [2212, 15427]  
coverage : 2018-03-18 / 2020-10-04  
created : 2023-08-21T15:42:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15427]  
coverage : 2018-03-18 / 2020-10-04  
created : 2023-08-21T15:42:02

## trend of normalized read-noise & temperatures

