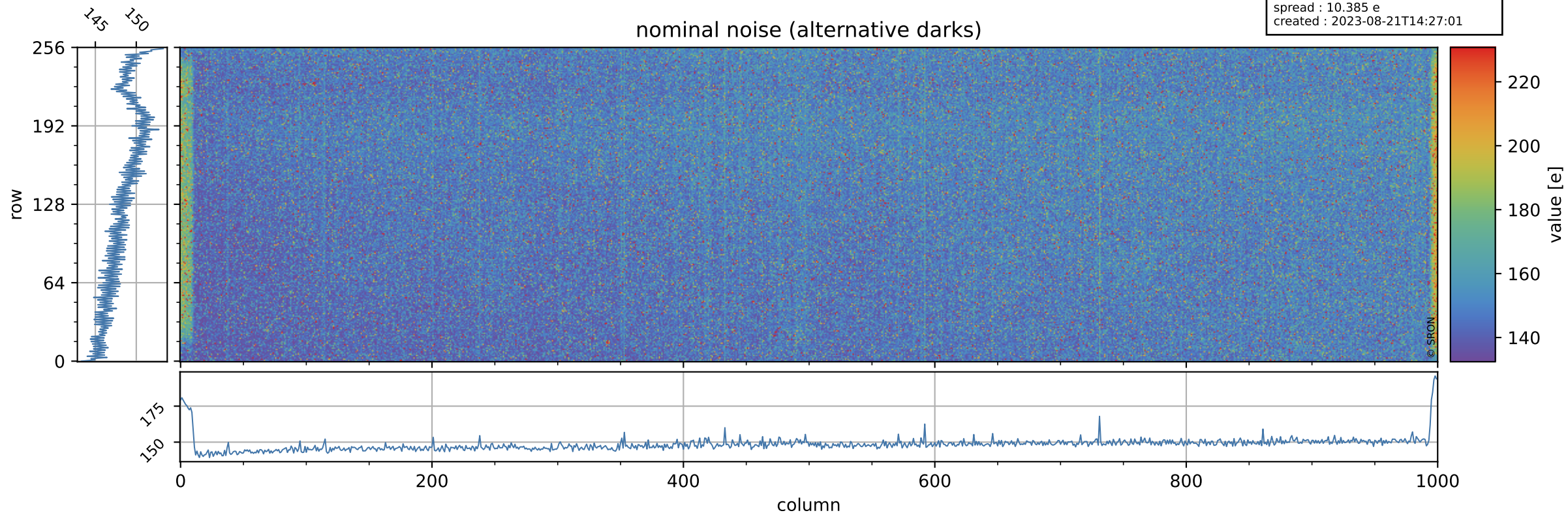


# Tropomi SWIR background noise (swir)

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.29 e  
spread : 10.385 e  
created : 2023-08-21T14:27:01

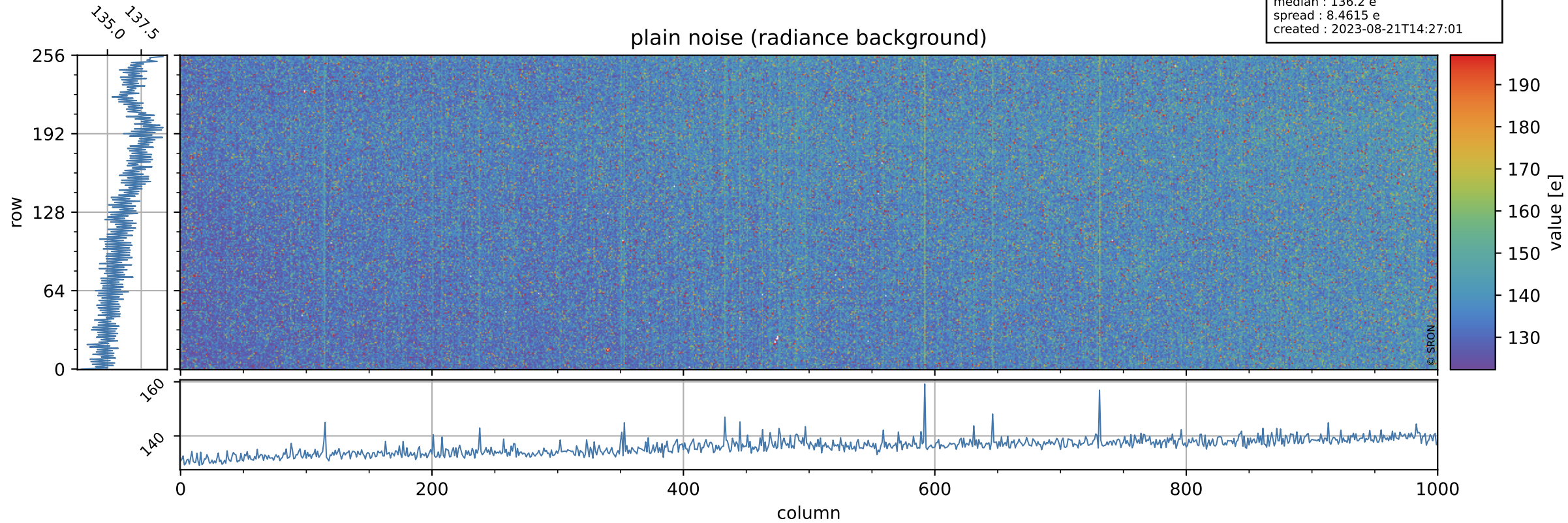
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.4615 e  
created : 2023-08-21T14:27:01

## plain noise (radiance background)

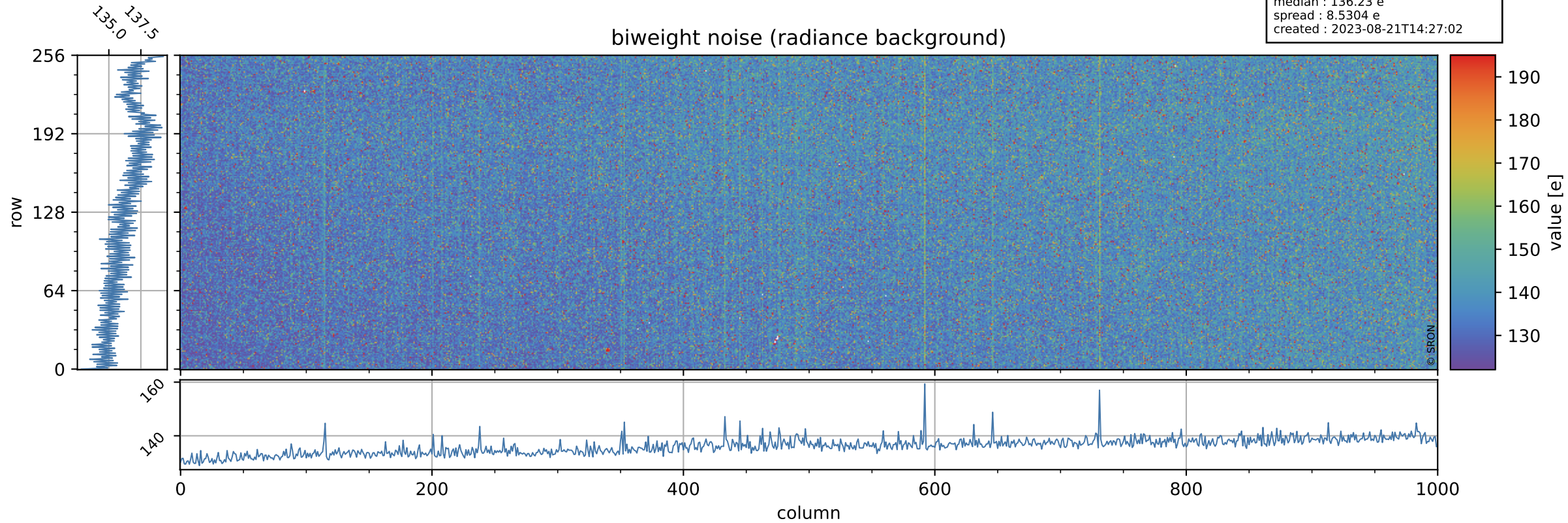




# Tropomi SWIR background noise (swir)

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.5304 e  
created : 2023-08-21T14:27:02

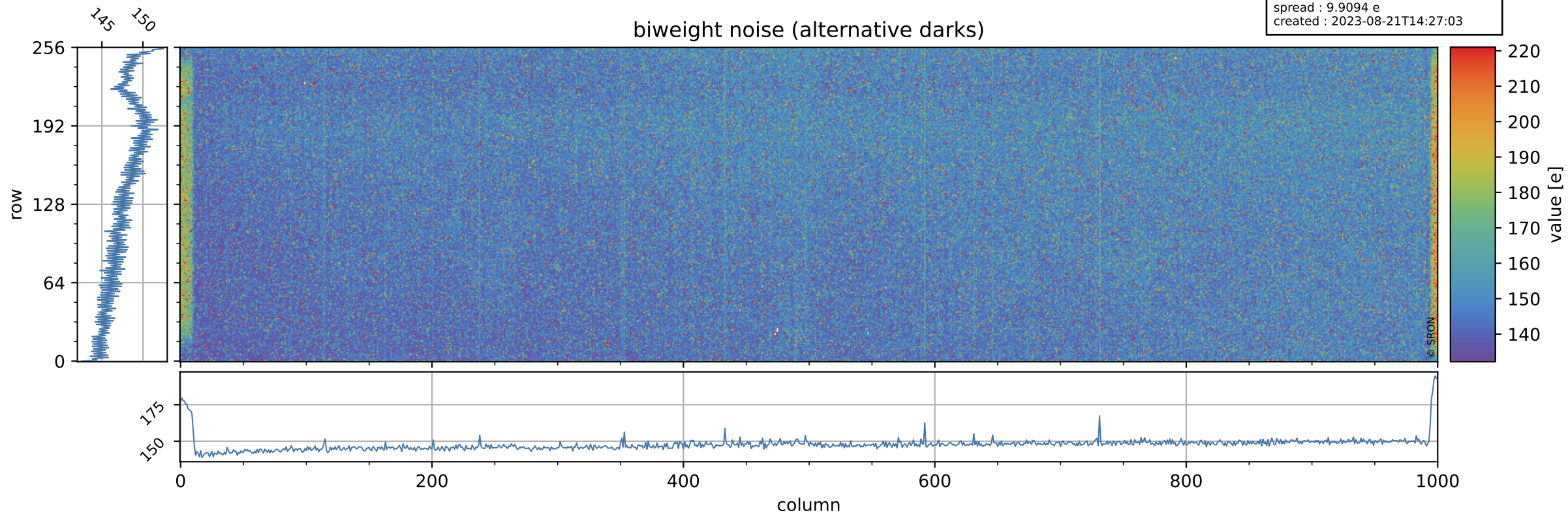
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 9.9094 e  
created : 2023-08-21T14:27:03

## biweight noise (alternative darks)

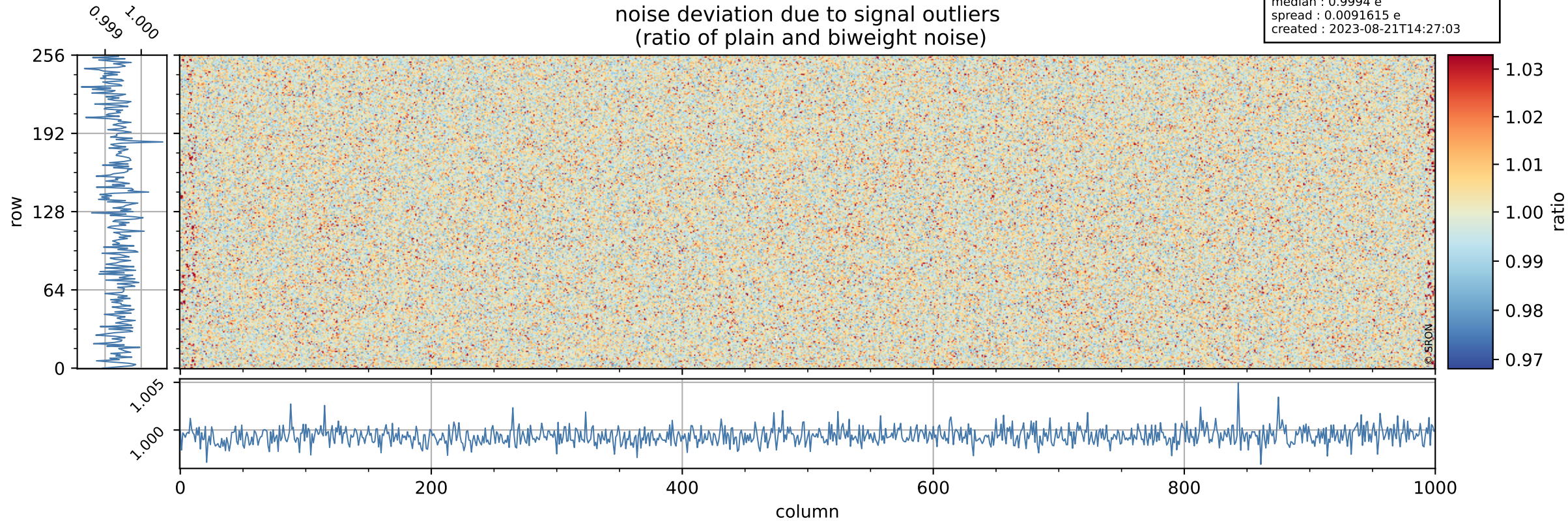




# Tropomi SWIR background noise (swir)

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

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
median : 0.9994 e  
spread : 0.0091615 e  
created : 2023-08-21T14:27:03

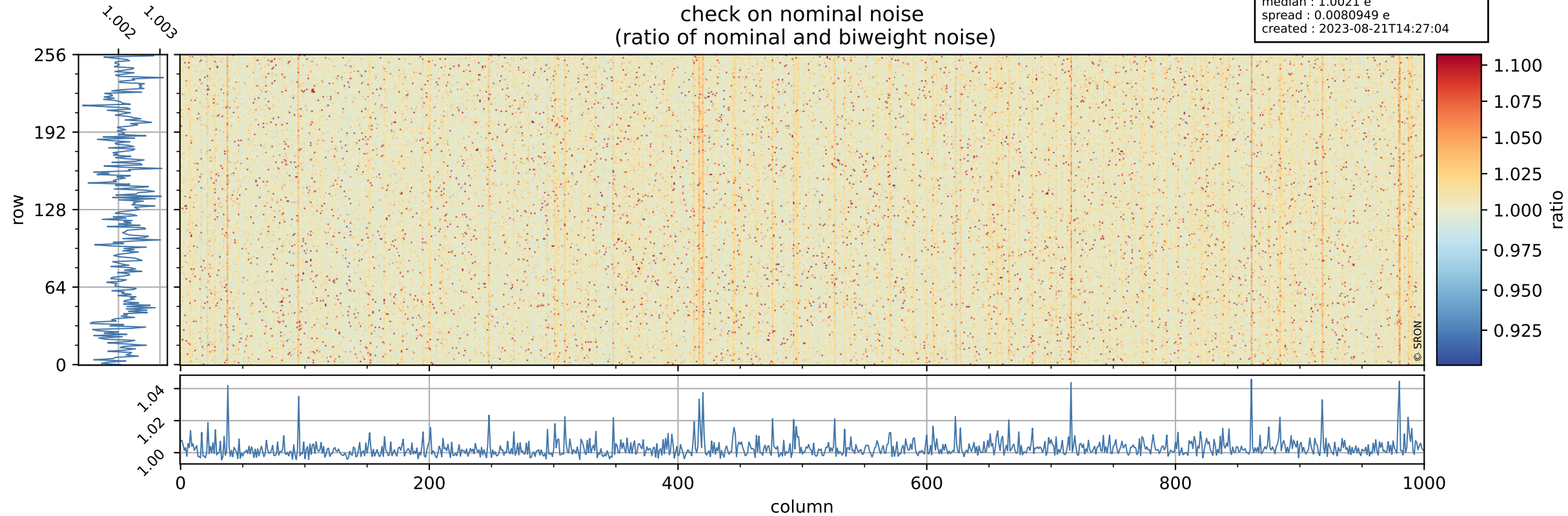




# Tropomi SWIR background noise (swir)

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

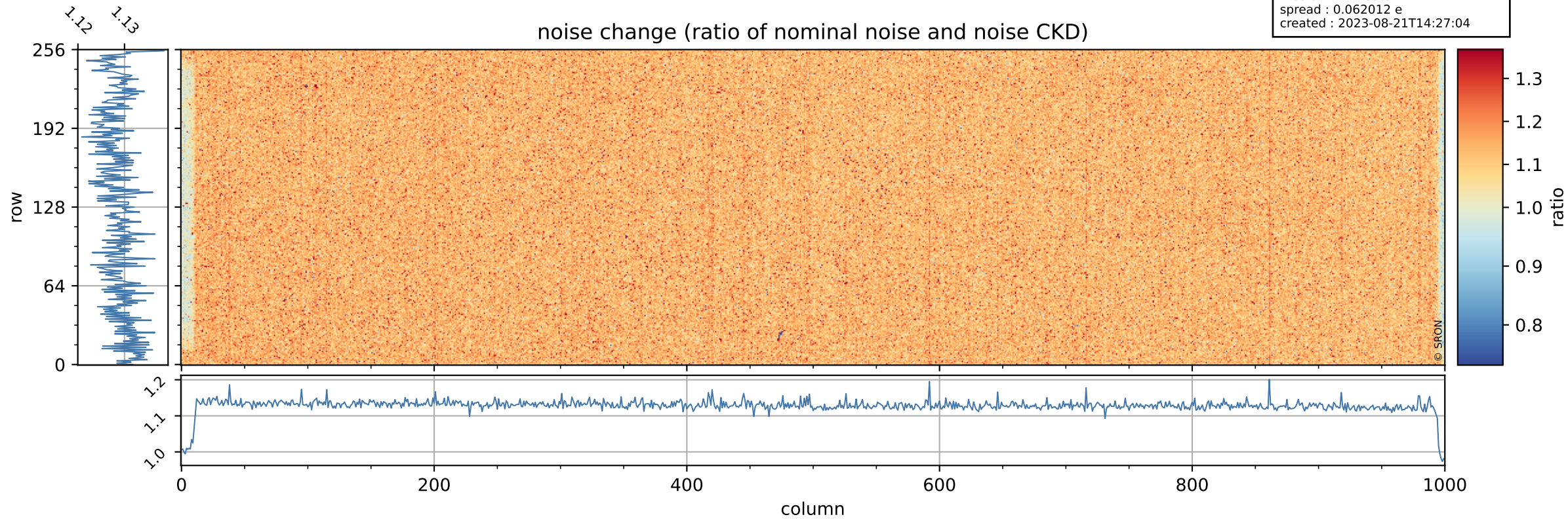
orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
median : 1.0021 e  
spread : 0.0080949 e  
created : 2023-08-21T14:27:04



# Tropomi SWIR background noise (swir)

orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
median : 1.1285 e  
spread : 0.062012 e  
created : 2023-08-21T14:27:04

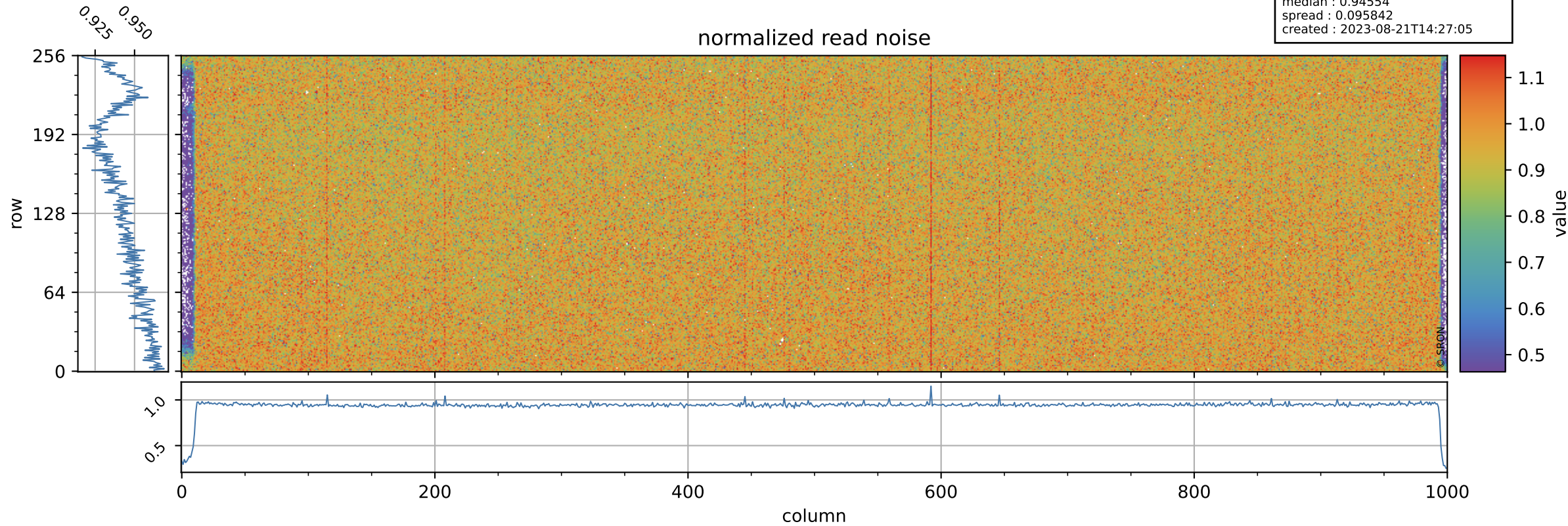
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

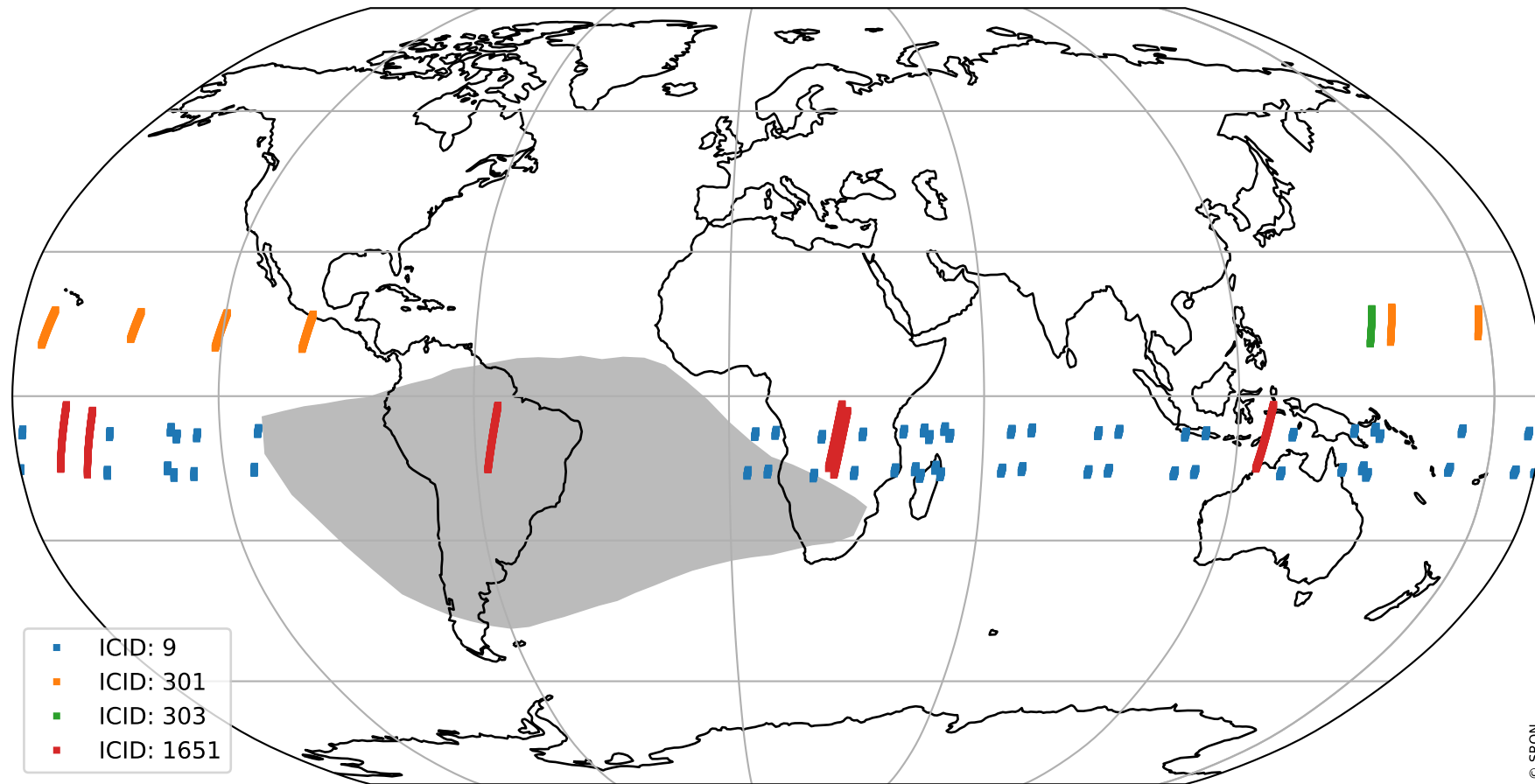
orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
median : 0.94554  
spread : 0.095842  
created : 2023-08-21T14:27:05





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

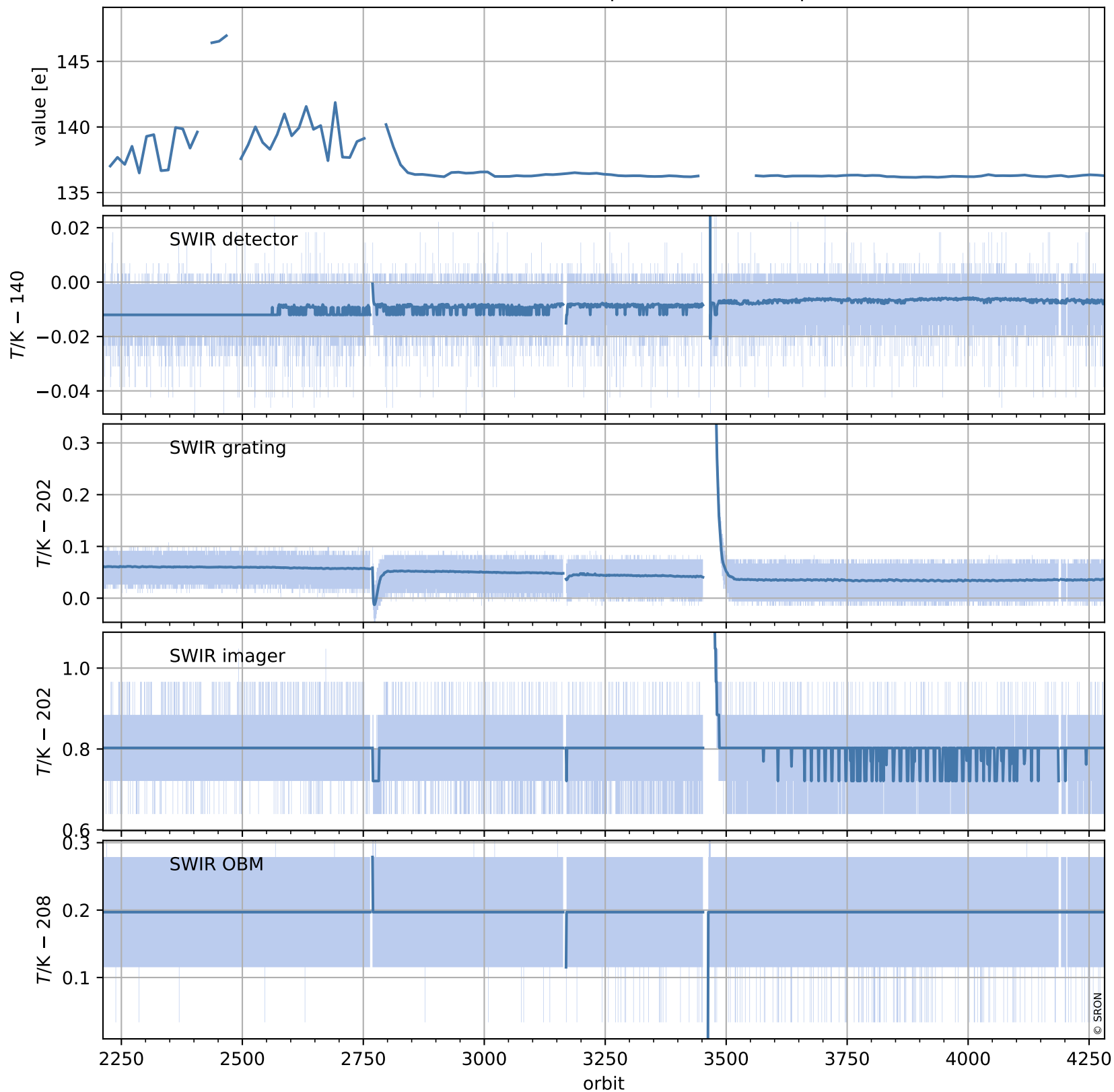
orbits : 13 in [4192, 4282]  
coverage : 2018-08-05 / 2018-08-10  
created : 2023-08-21T14:27:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 4282]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:27:05

## trend of detector median of plain noise & temperatures

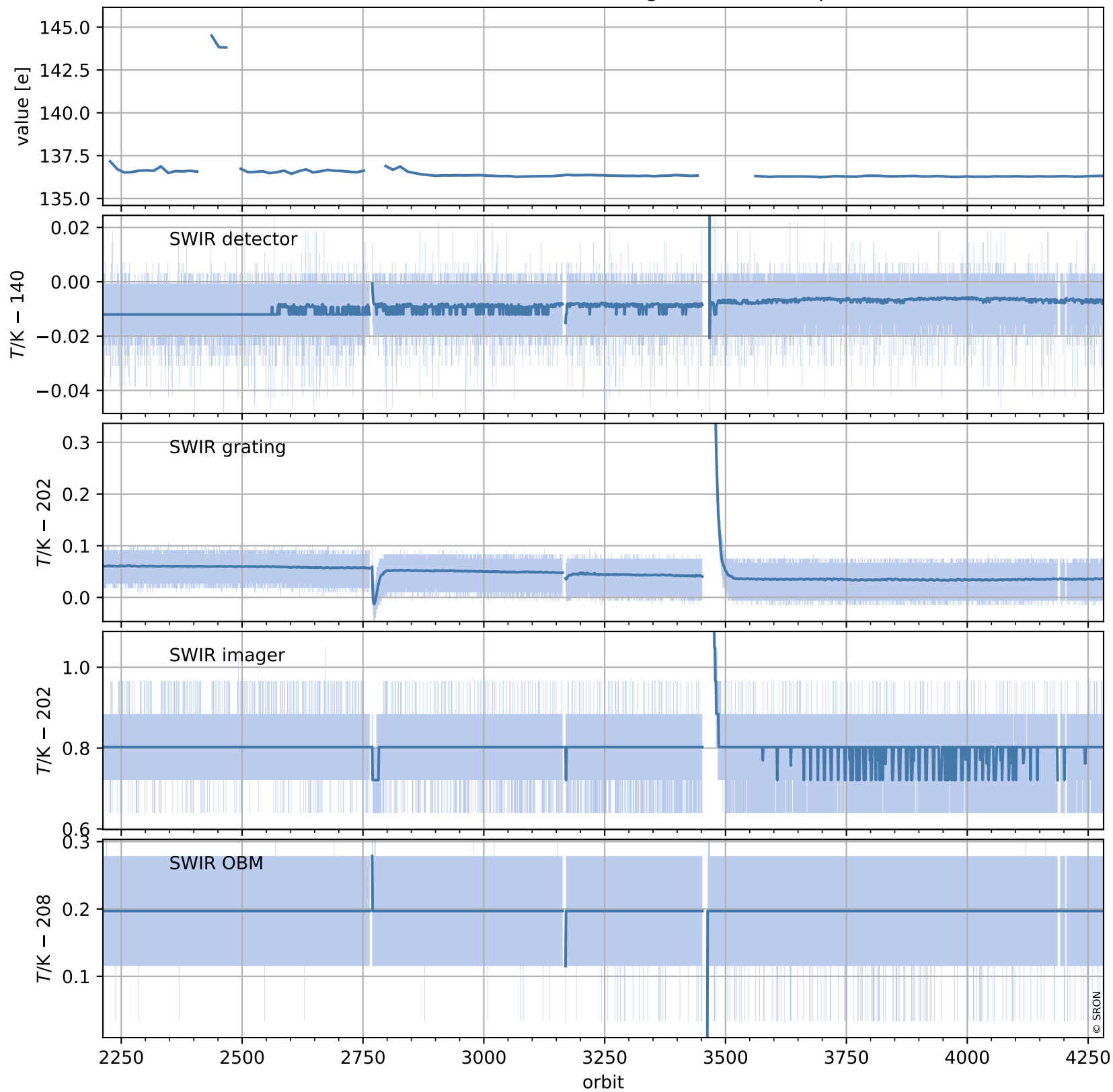




# Tropomi SWIR background noise (swir)

orbits : [2212, 4282]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:27:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4282]  
coverage : 2018-03-18 / 2018-08-10  
created : 2023-08-21T14:27:07

## trend of normalized read-noise & temperatures

