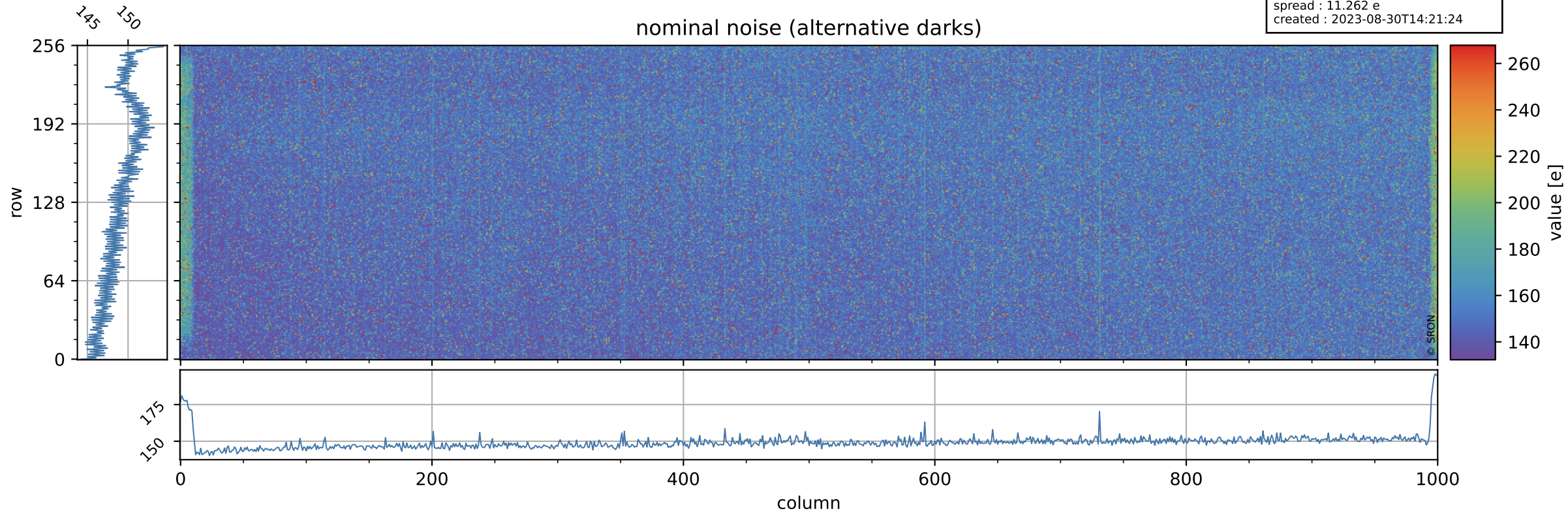


# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.97 e  
spread : 11.262 e  
created : 2023-08-30T14:21:24

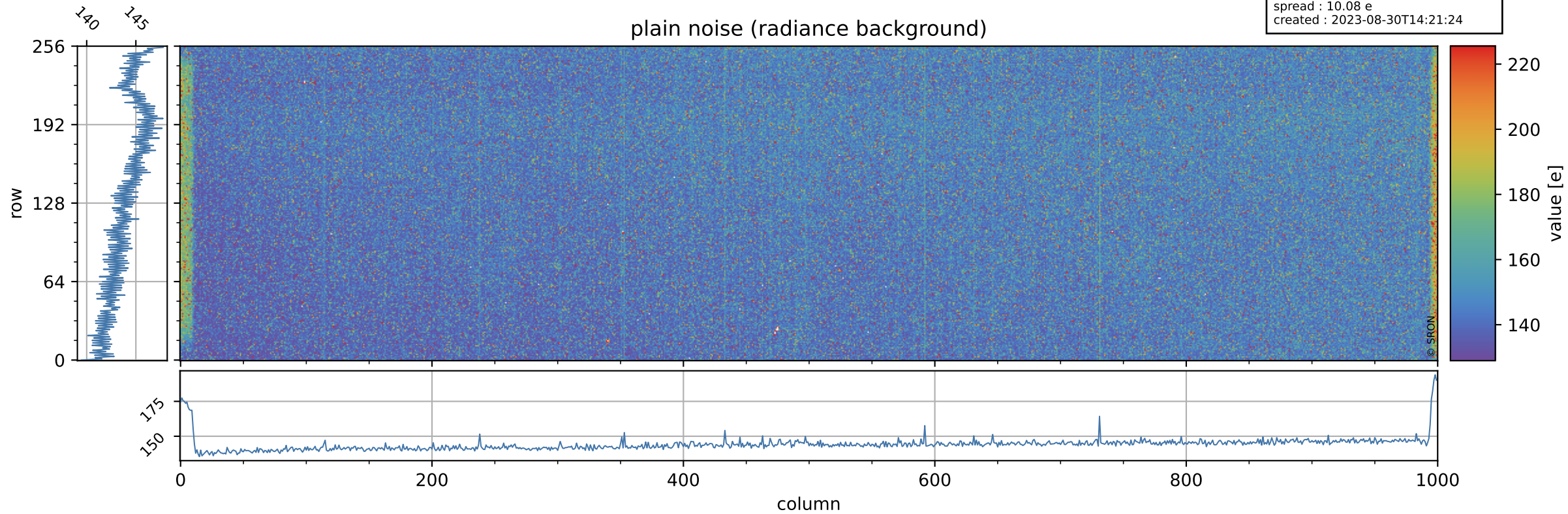
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.92 e  
spread : 10.08 e  
created : 2023-08-30T14:21:24

plain noise (radiance background)

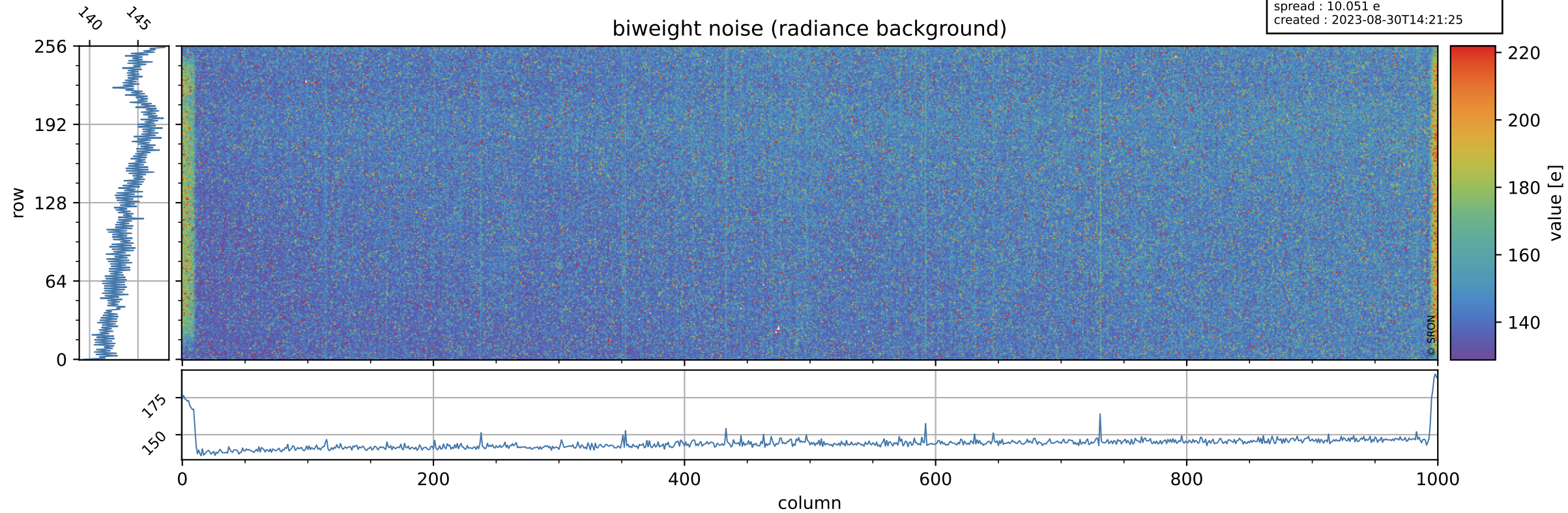




# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.96 e  
spread : 10.051 e  
created : 2023-08-30T14:21:25

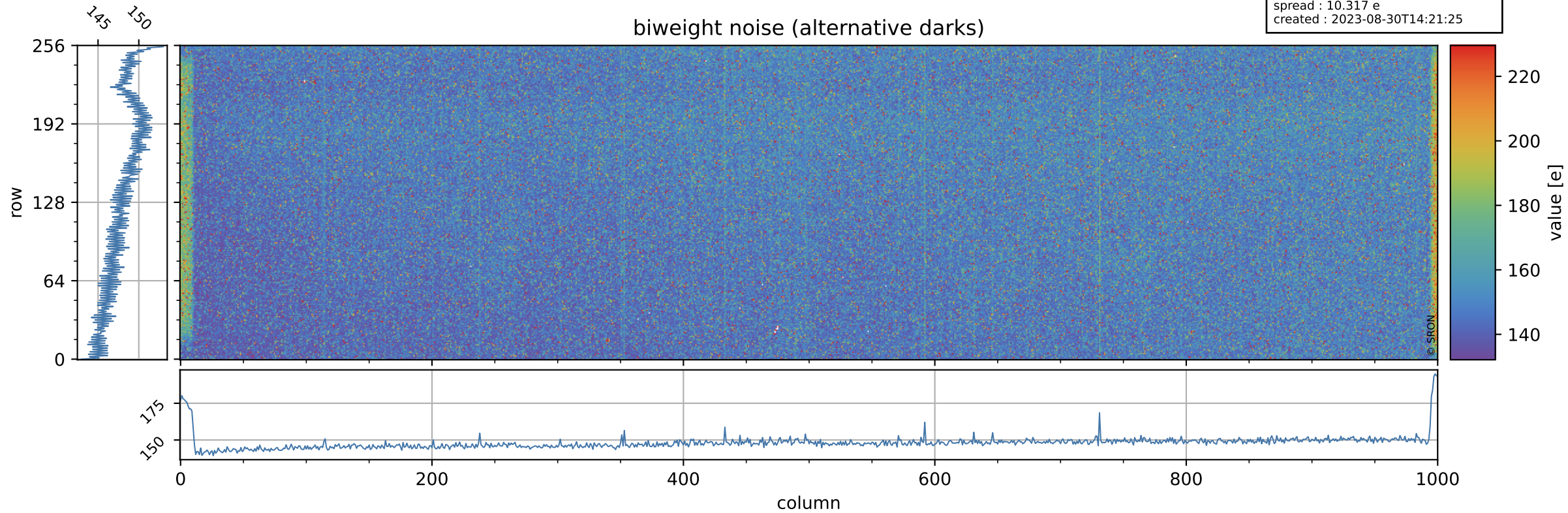
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.87 e  
spread : 10.317 e  
created : 2023-08-30T14:21:25

## biweight noise (alternative darks)

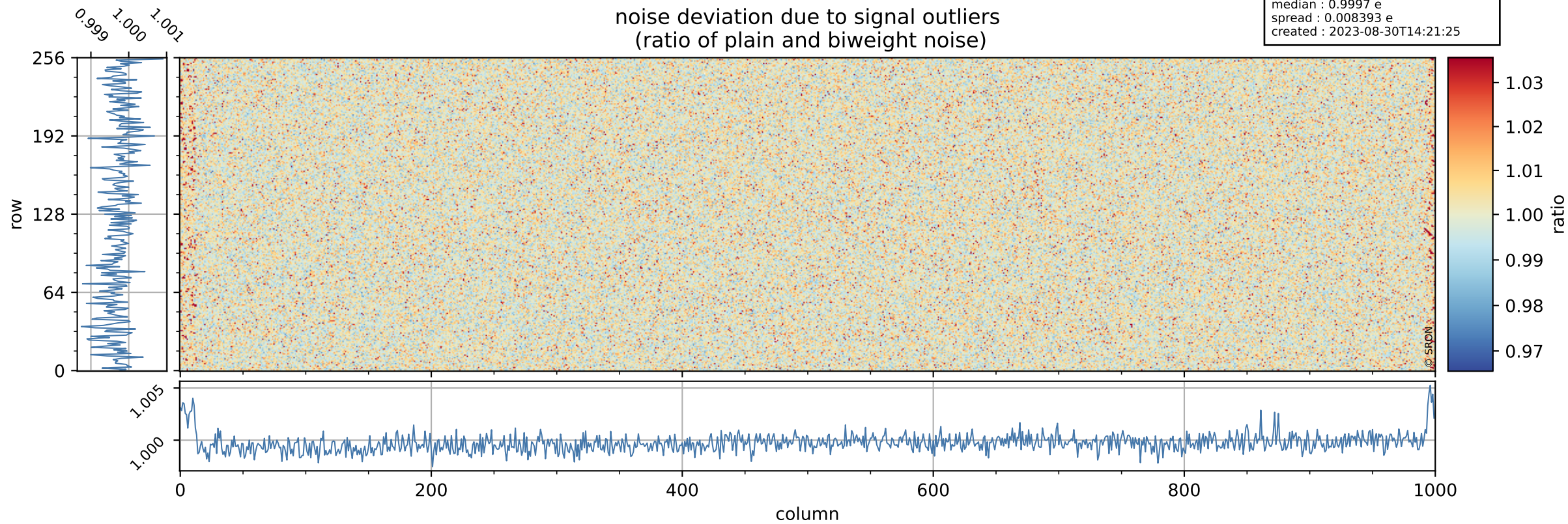




# Tropomi SWIR background noise (swir)

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

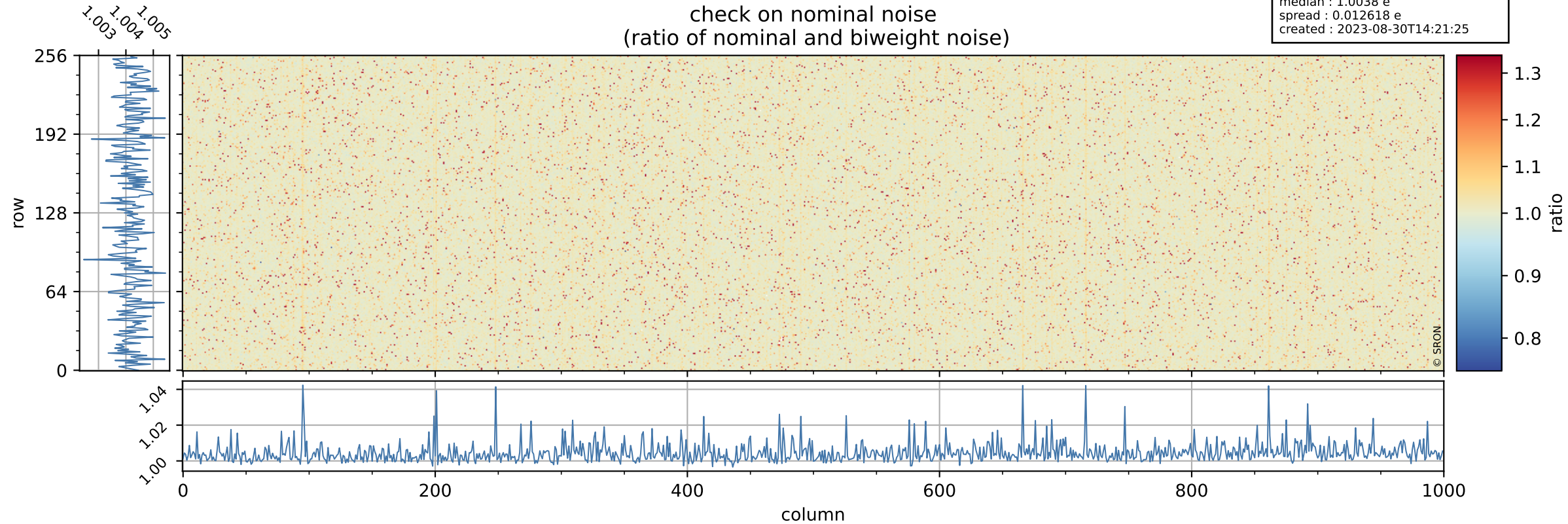
orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
median : 0.9997 e  
spread : 0.008393 e  
created : 2023-08-30T14:21:25



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
median : 1.0038 e  
spread : 0.012618 e  
created : 2023-08-30T14:21:25

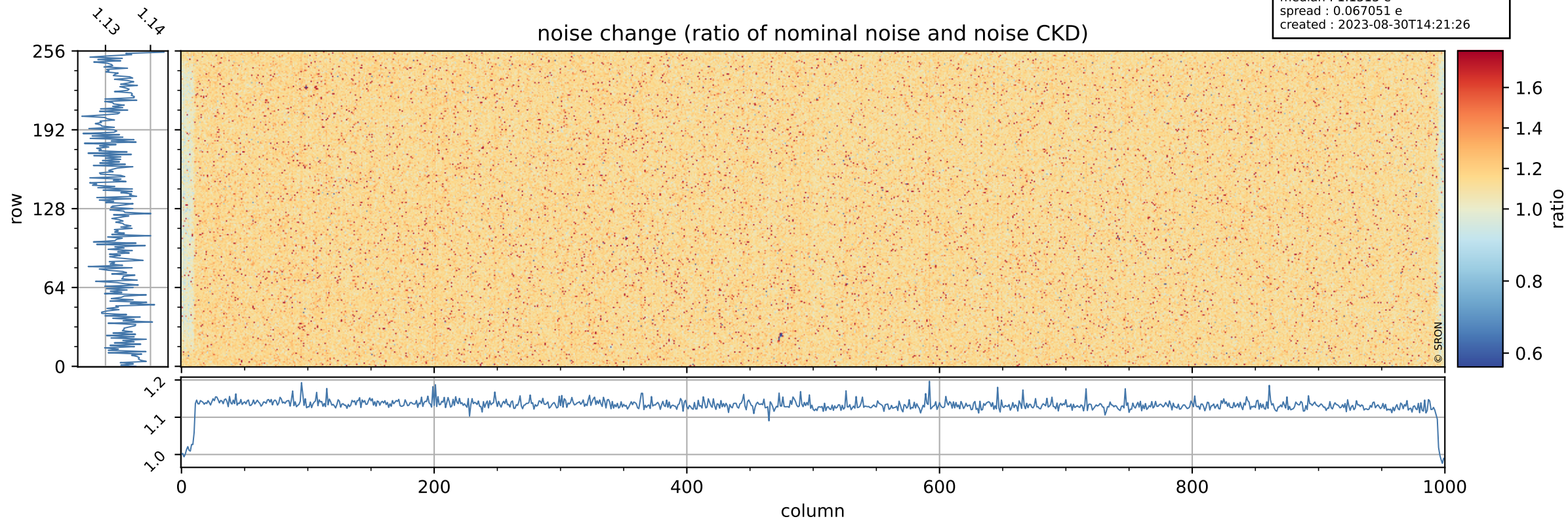




# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
median : 1.1313 e  
spread : 0.067051 e  
created : 2023-08-30T14:21:26

noise change (ratio of nominal noise and noise CKD)

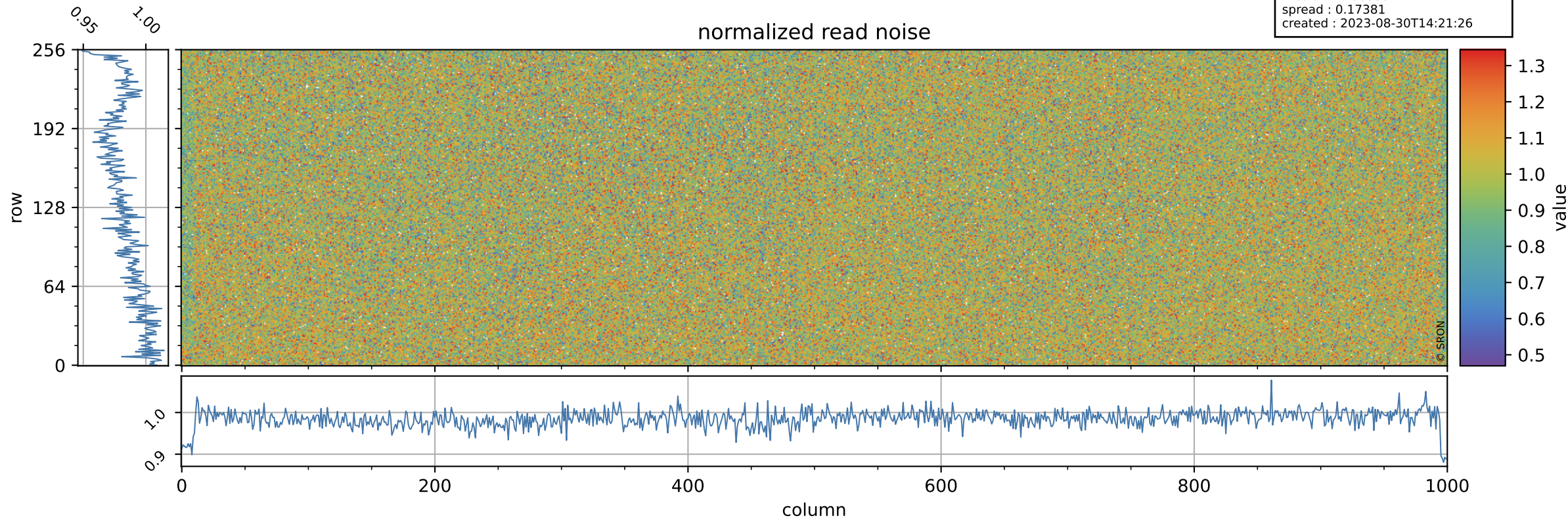




# Tropomi SWIR background noise (swir)

orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
median : 0.98353  
spread : 0.17381  
created : 2023-08-30T14:21:26

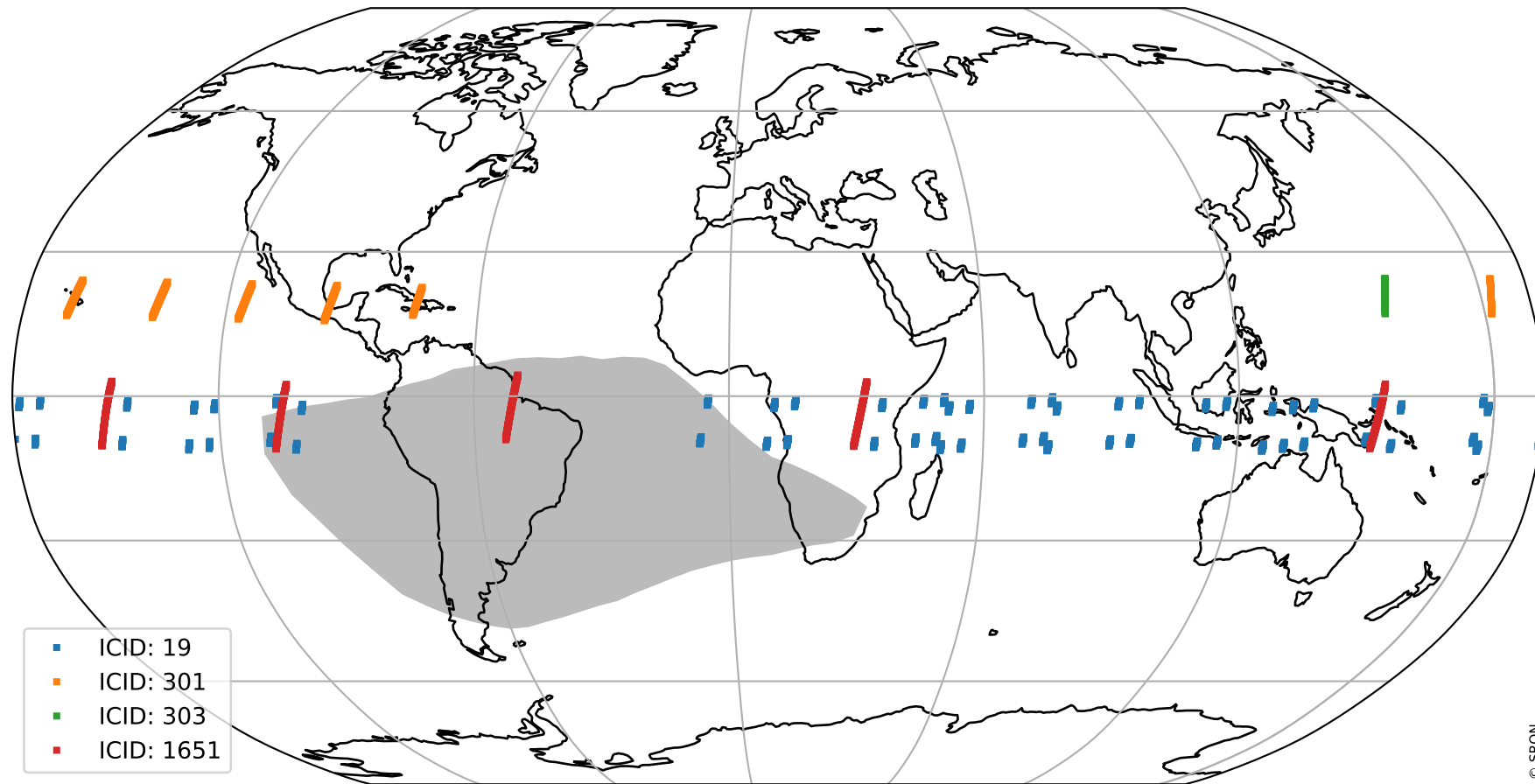
normalized read noise





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

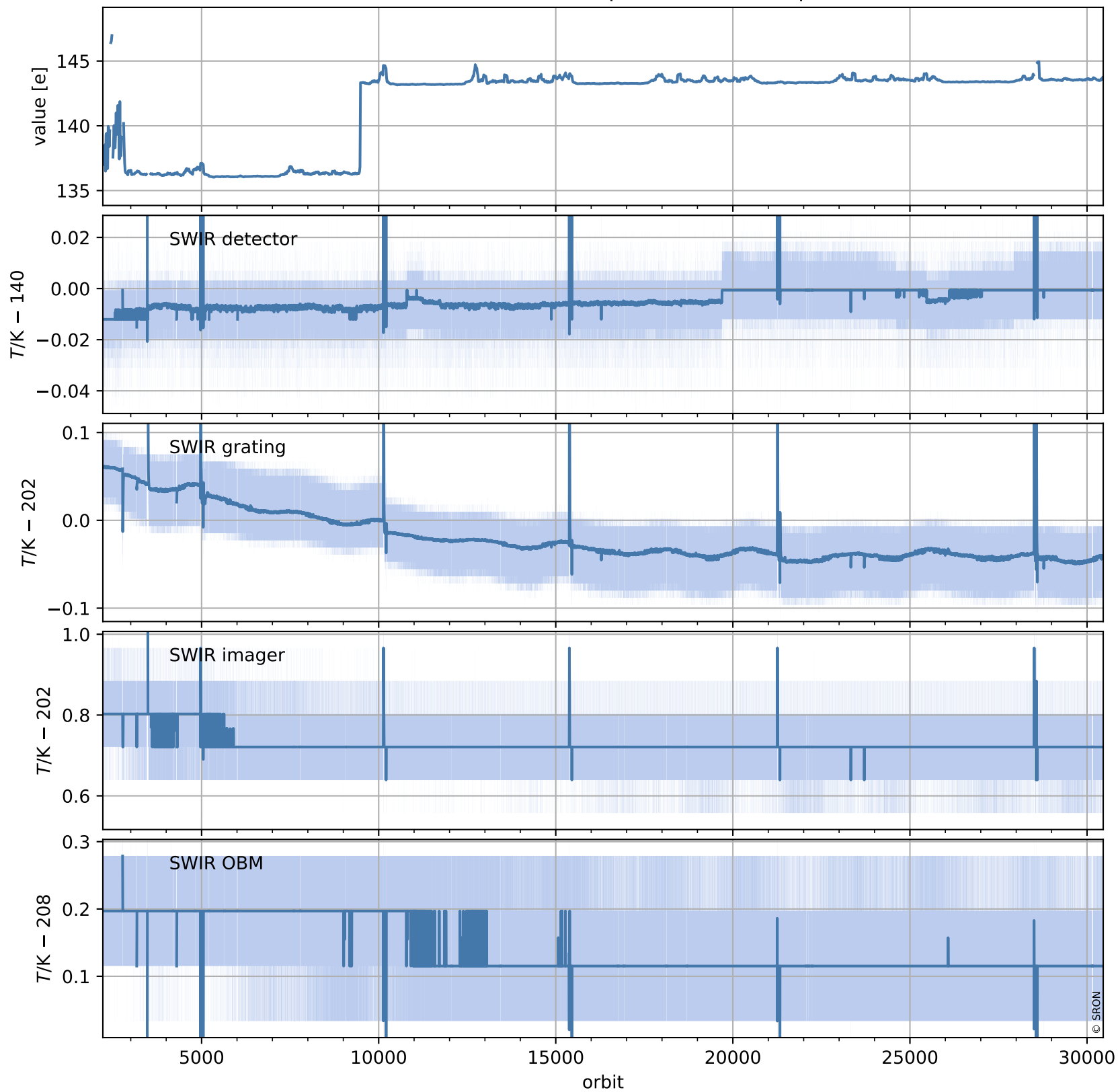
orbits : 12 in [30367, 30457]  
coverage : 2023-08-24 / 2023-08-30  
created : 2023-08-30T14:21:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 30457]  
coverage : 2018-03-18 / 2023-08-30  
created : 2023-08-30T14:21:27

## trend of detector median of plain noise & temperatures

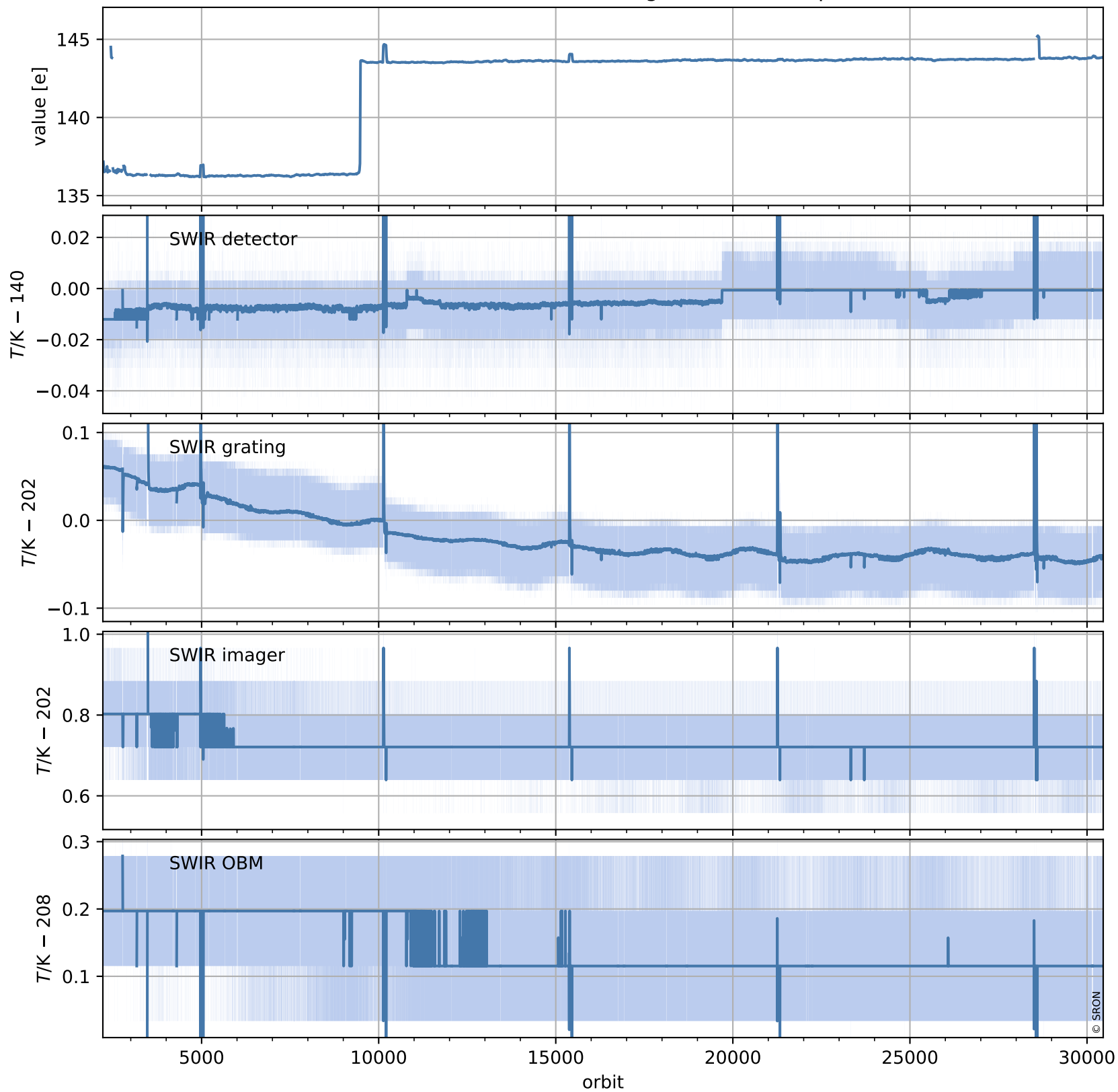




# Tropomi SWIR background noise (swir)

orbits : [2212, 30457]  
coverage : 2018-03-18 / 2023-08-30  
created : 2023-08-30T14:21:28

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30457]  
coverage : 2018-03-18 / 2023-08-30  
created : 2023-08-30T14:21:29

## trend of normalized read-noise & temperatures

