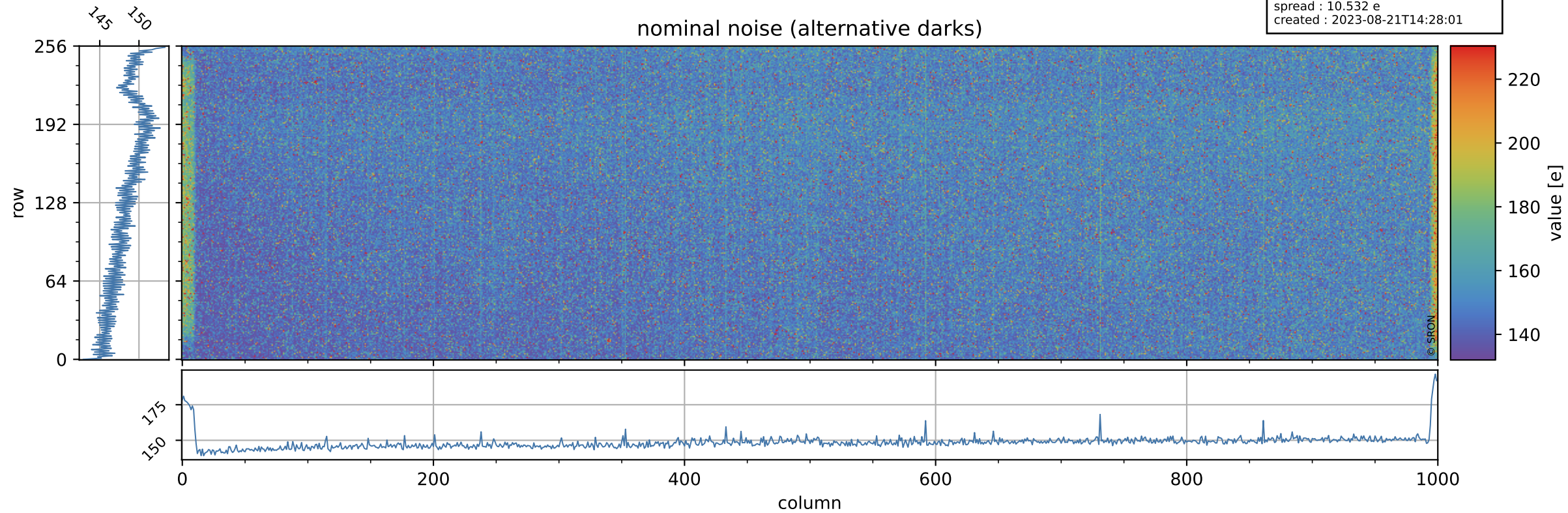


# Tropomi SWIR background noise (swir)

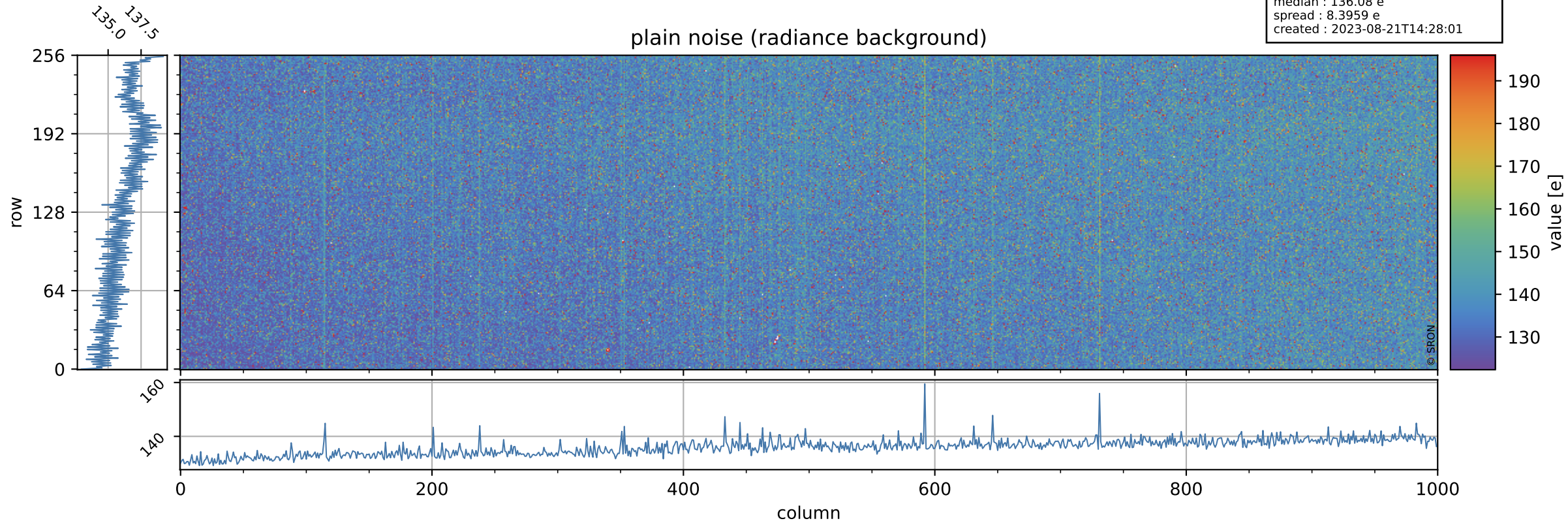
orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.3 e  
spread : 10.532 e  
created : 2023-08-21T14:28:01



# Tropomi SWIR background noise (swir)

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.08 e  
spread : 8.3959 e  
created : 2023-08-21T14:28:01

## plain noise (radiance background)

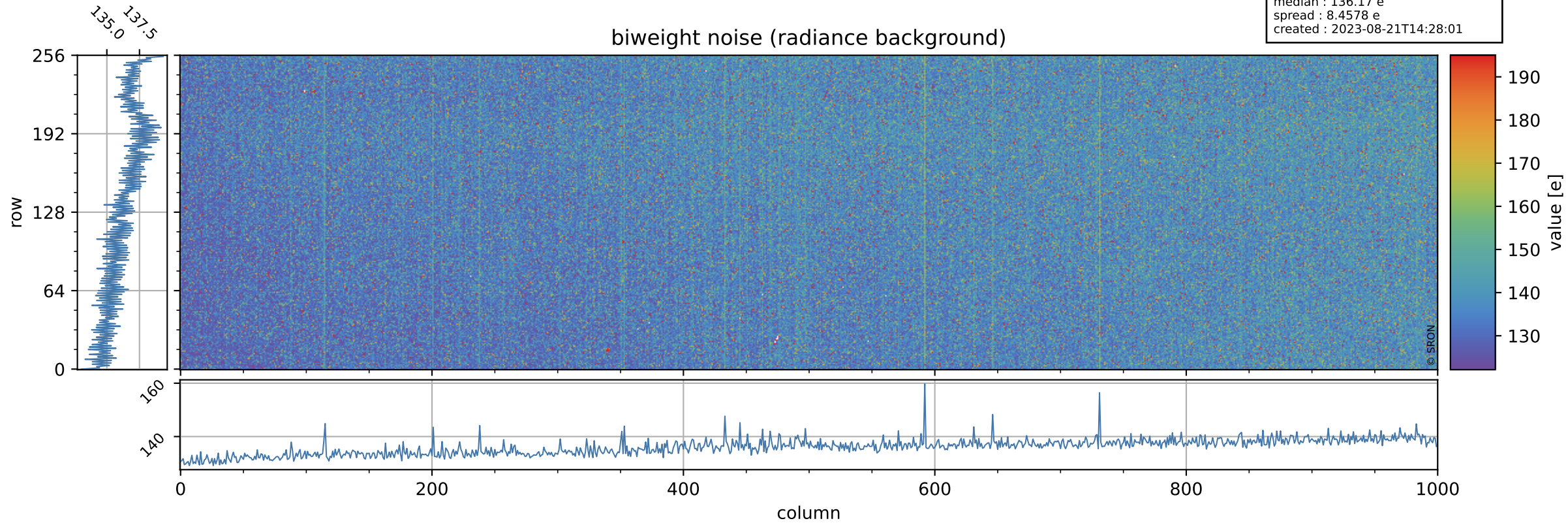




# Tropomi SWIR background noise (swir)

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4578 e  
created : 2023-08-21T14:28:01

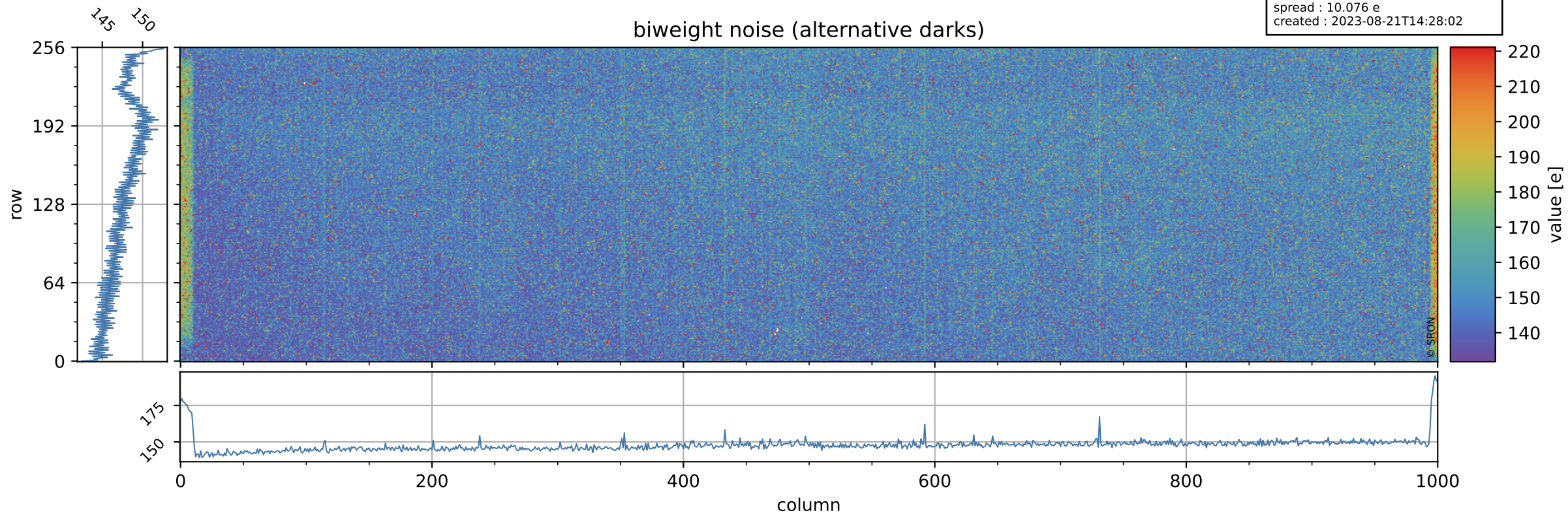
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.49 e  
spread : 10.076 e  
created : 2023-08-21T14:28:02

## biweight noise (alternative darks)

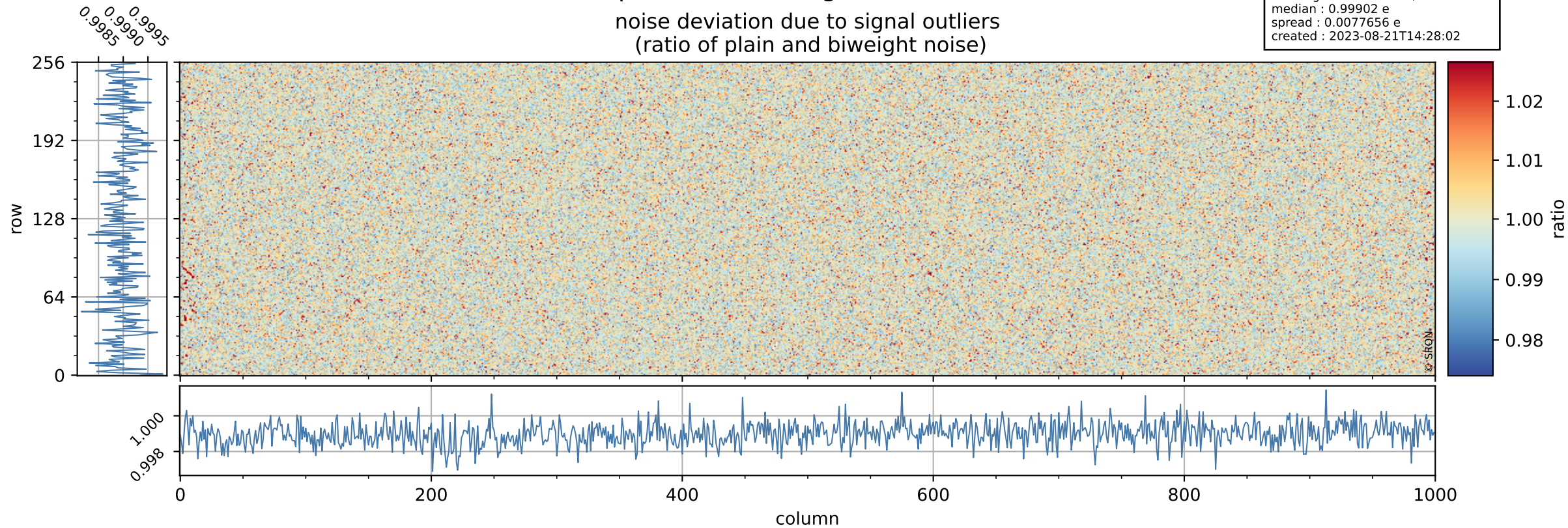




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
median : 0.99902 e  
spread : 0.0077656 e  
created : 2023-08-21T14:28:02

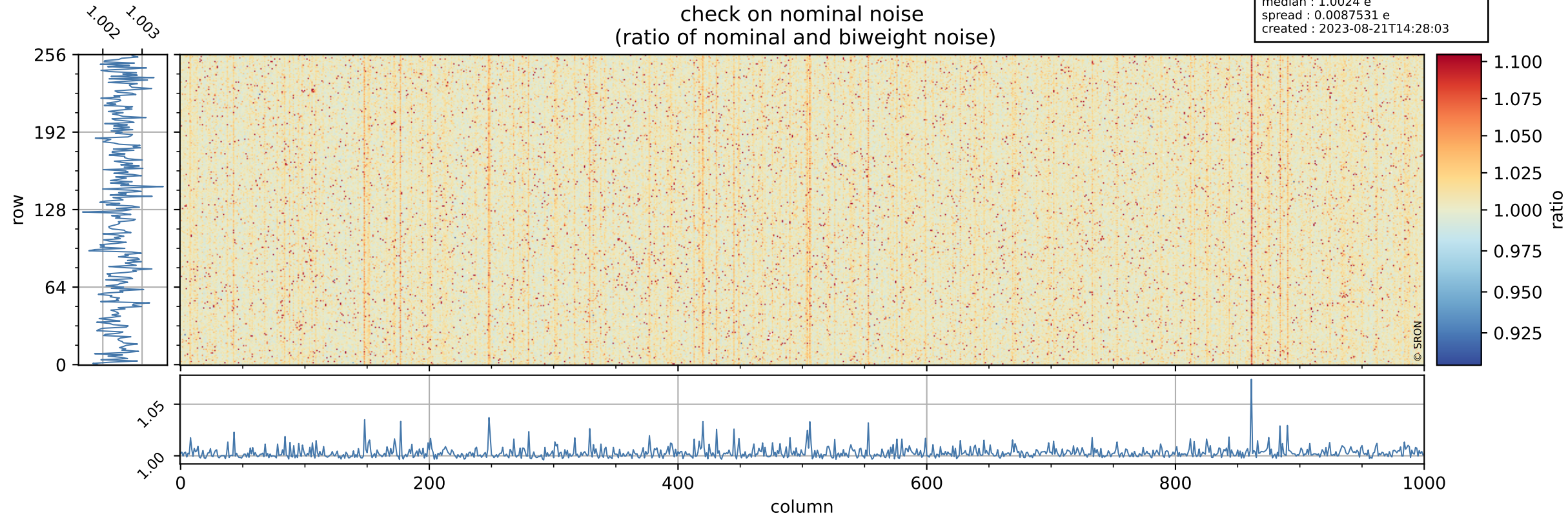




# Tropomi SWIR background noise (swir)

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

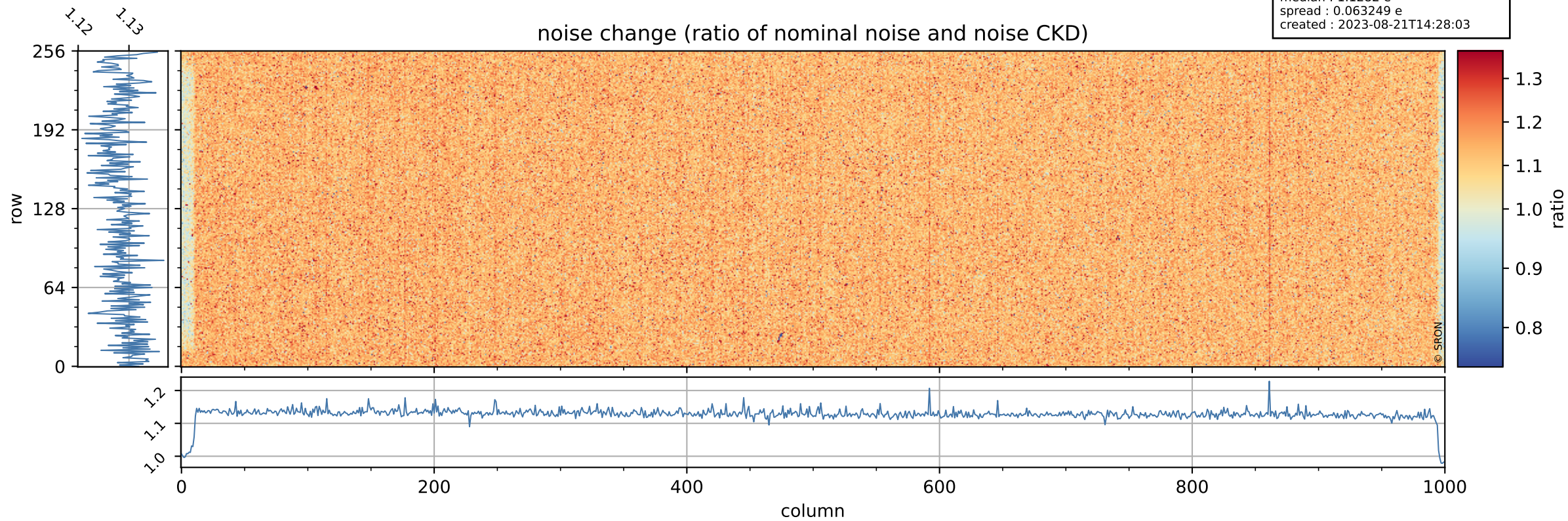
orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
median : 1.0024 e  
spread : 0.0087531 e  
created : 2023-08-21T14:28:03



# Tropomi SWIR background noise (swir)

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
median : 1.1282 e  
spread : 0.063249 e  
created : 2023-08-21T14:28:03

noise change (ratio of nominal noise and noise CKD)

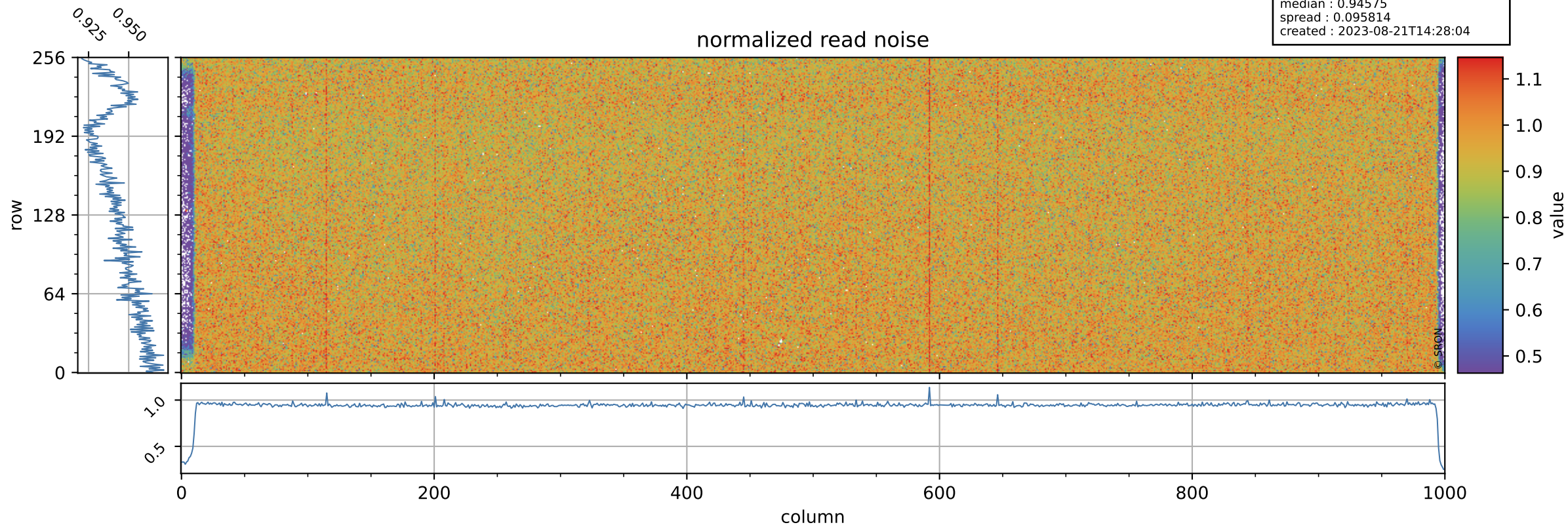




# Tropomi SWIR background noise (swir)

orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
median : 0.94575  
spread : 0.095814  
created : 2023-08-21T14:28:04

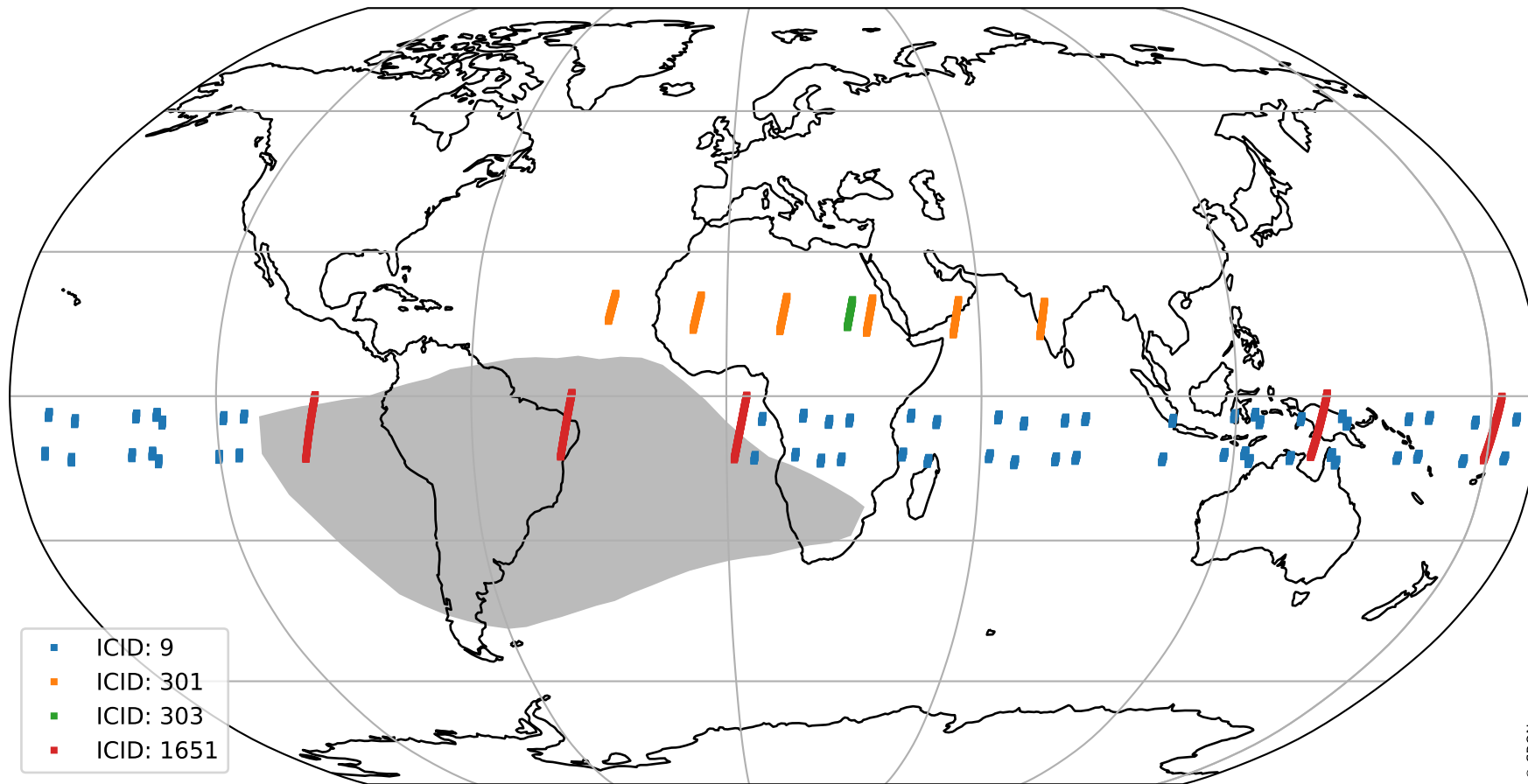
## normalized read noise





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

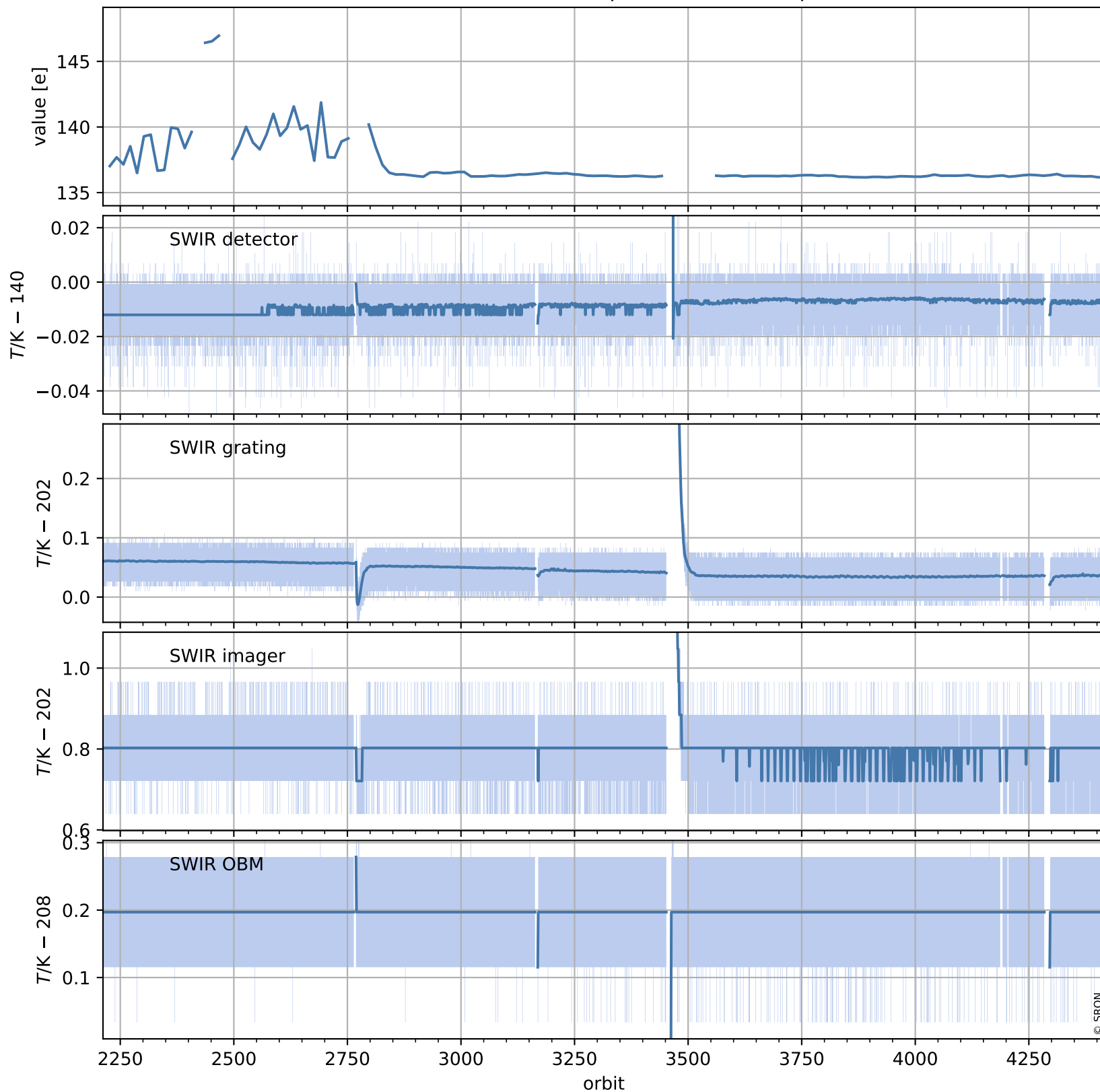
orbits : 12 in [4342, 4417]  
coverage : 2018-08-14 / 2018-08-20  
created : 2023-08-21T14:28:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 4417]  
coverage : 2018-03-18 / 2018-08-20  
created : 2023-08-21T14:28:05

## trend of detector median of plain noise & temperatures

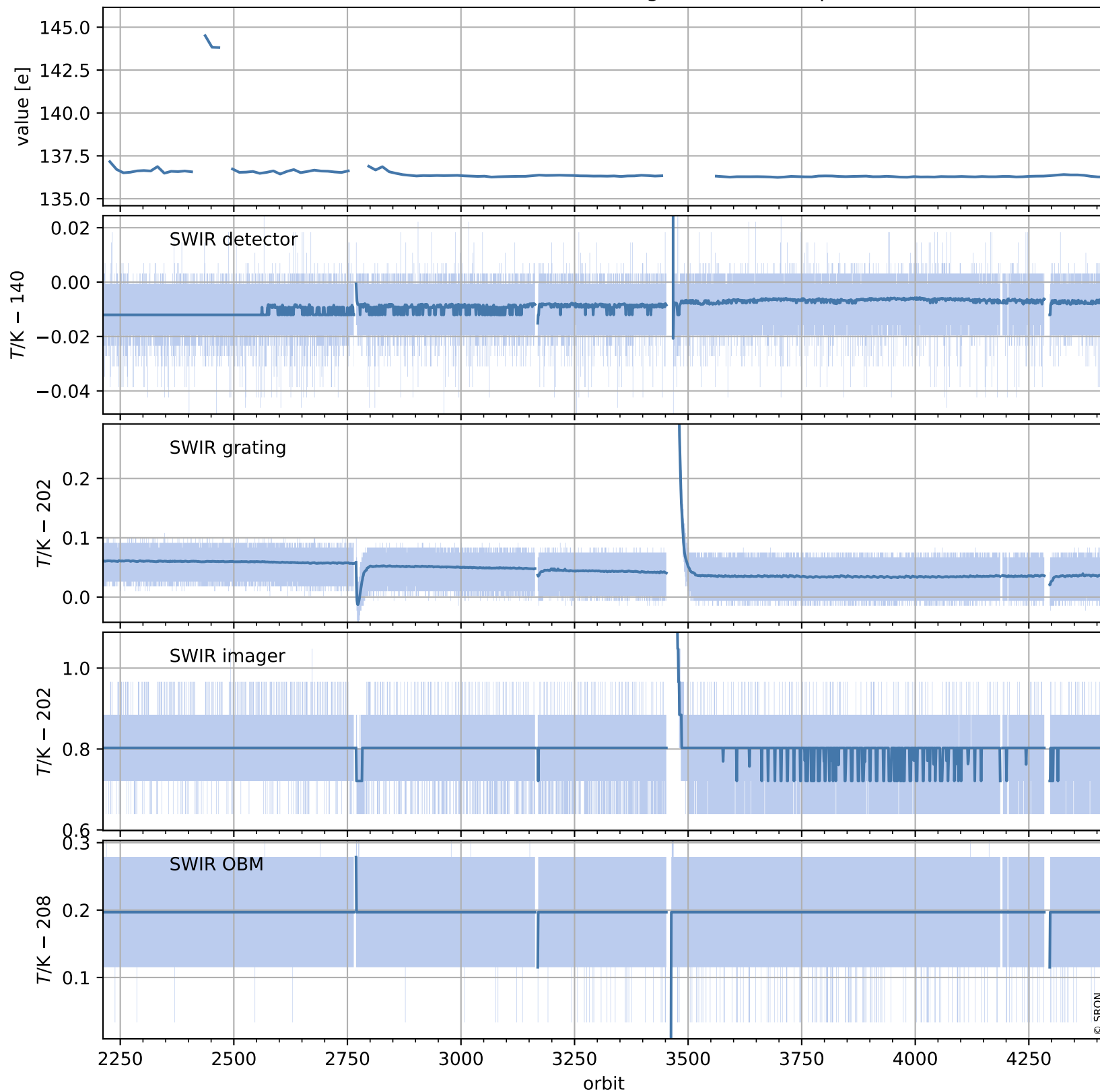




# Tropomi SWIR background noise (swir)

orbits : [2212, 4417]  
coverage : 2018-03-18 / 2018-08-20  
created : 2023-08-21T14:28:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4417]  
coverage : 2018-03-18 / 2018-08-20  
created : 2023-08-21T14:28:06

## trend of normalized read-noise & temperatures

