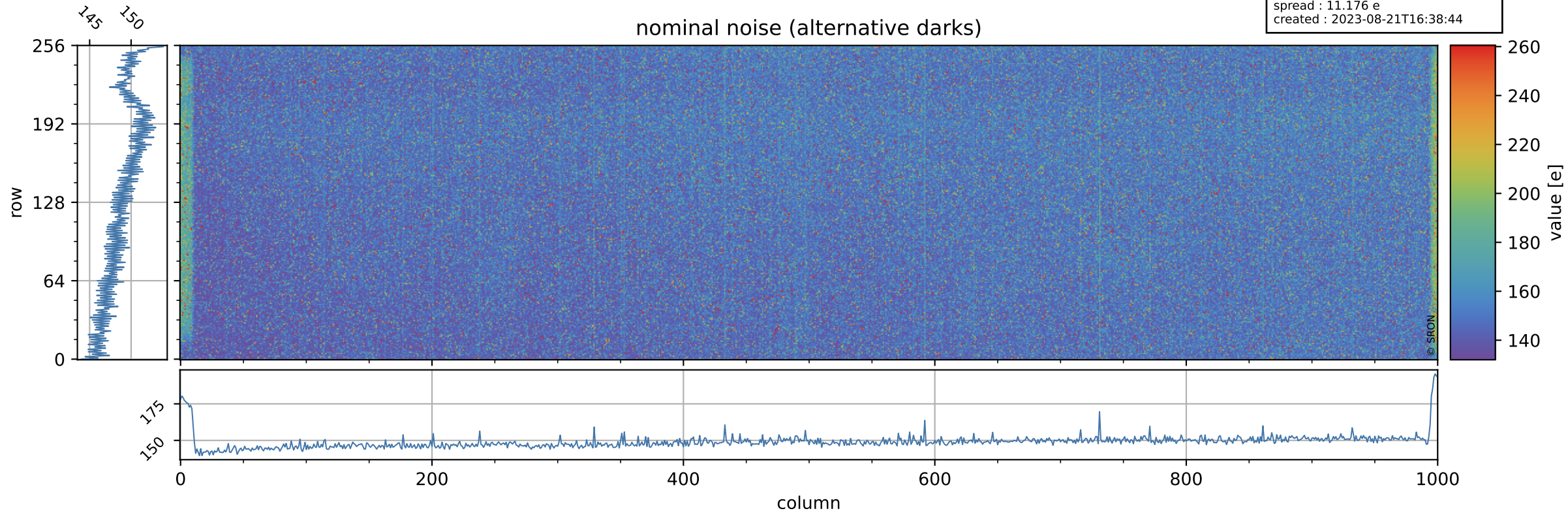


# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.82 e  
spread : 11.176 e  
created : 2023-08-21T16:38:44

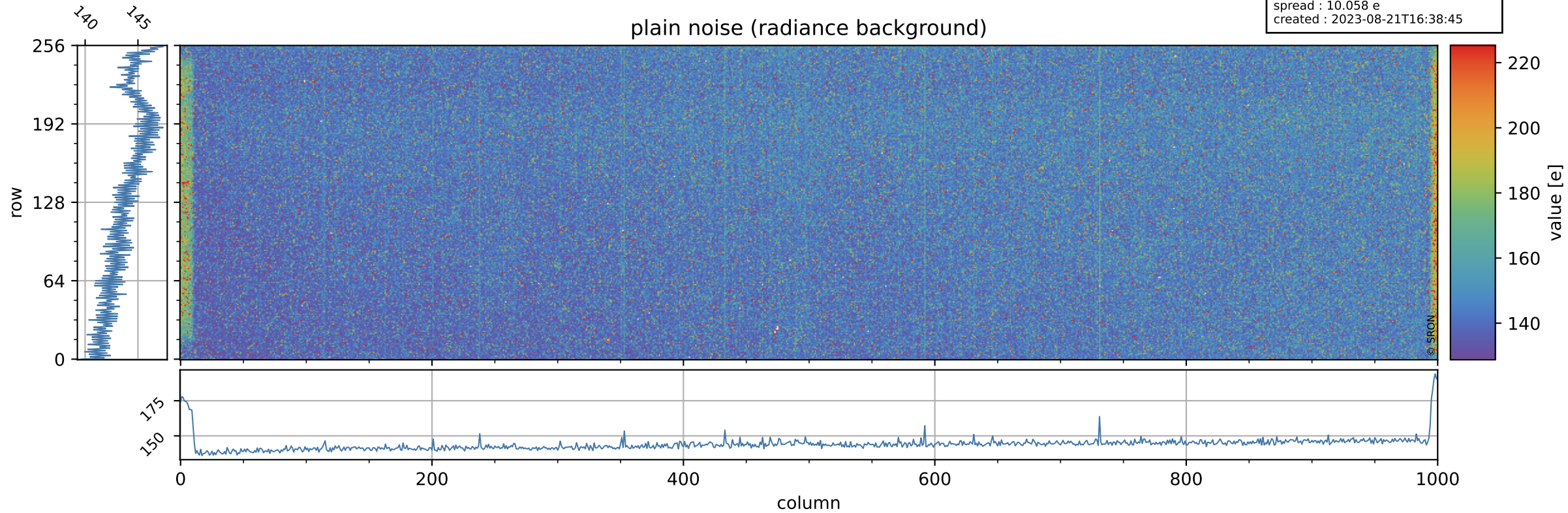
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 10.058 e  
created : 2023-08-21T16:38:45

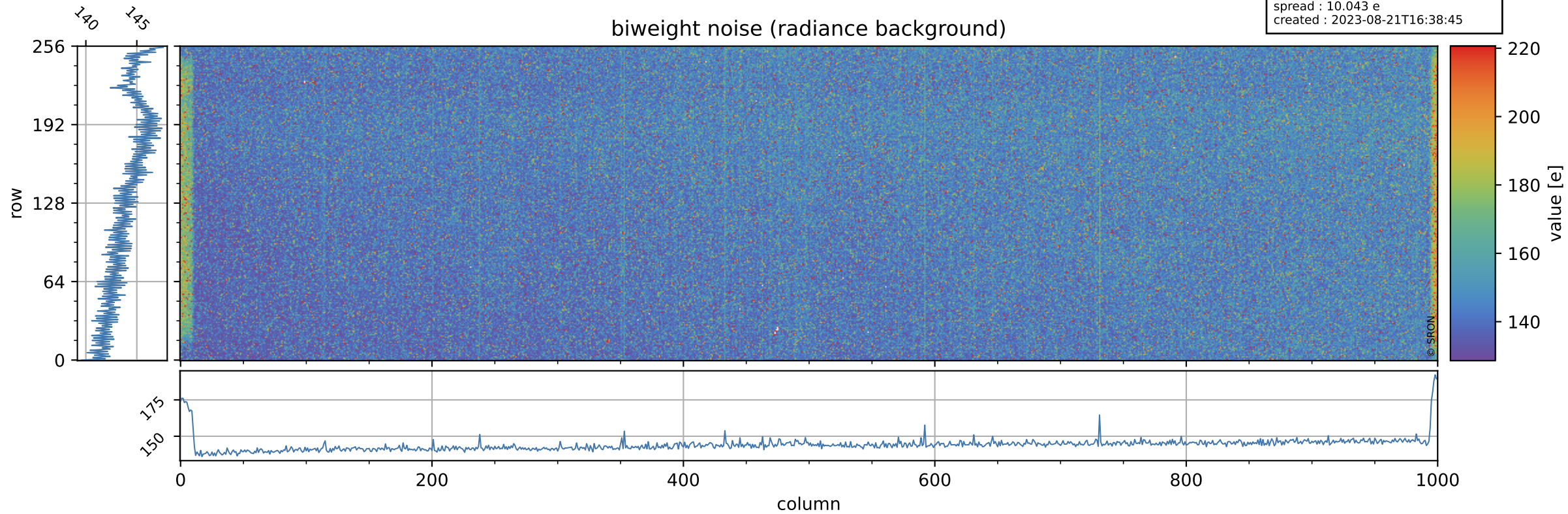
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 10.043 e  
created : 2023-08-21T16:38:45

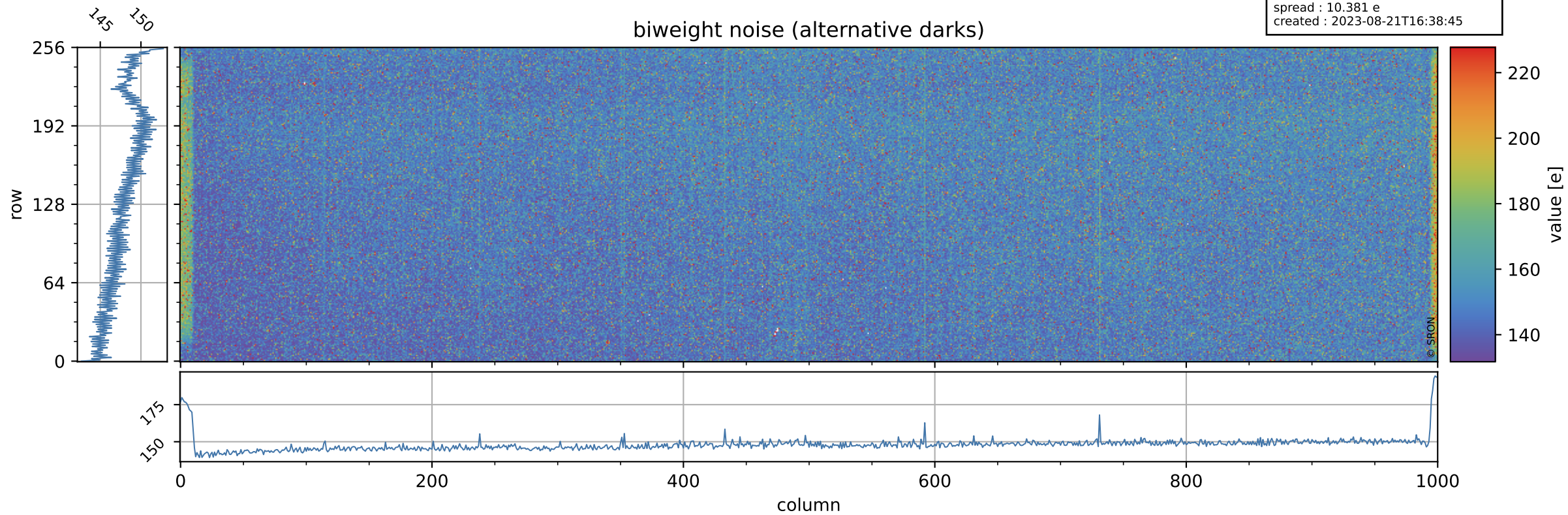
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.381 e  
created : 2023-08-21T16:38:45

## biweight noise (alternative darks)

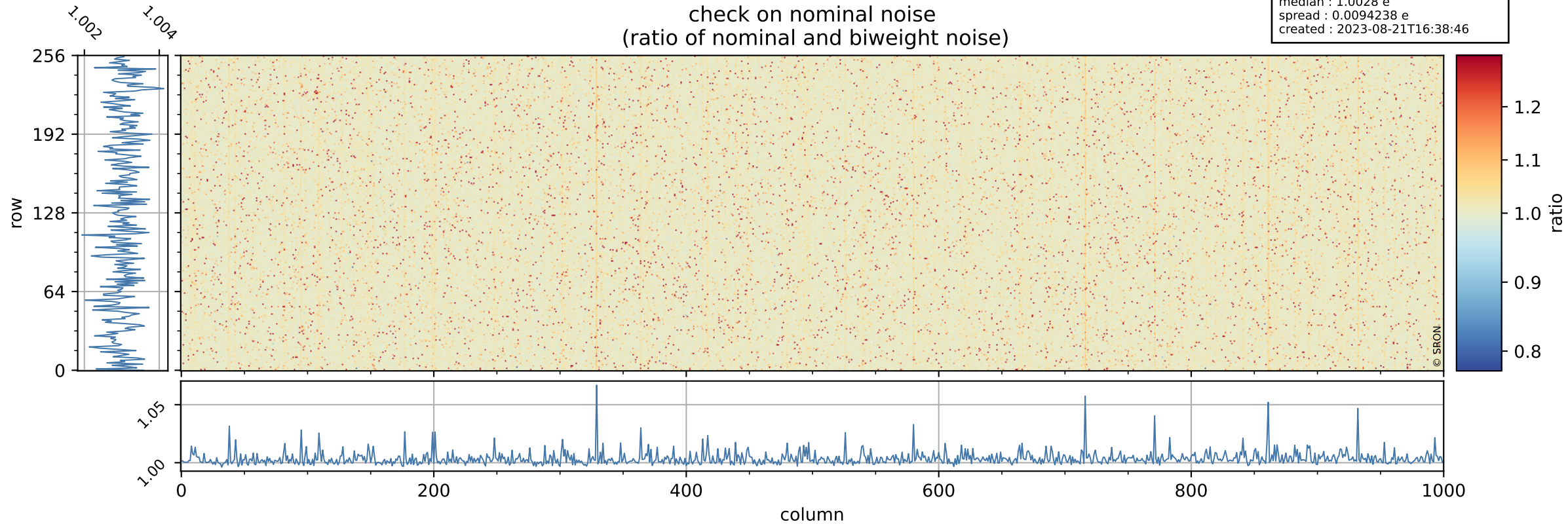




# Tropomi SWIR background noise (swir)

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

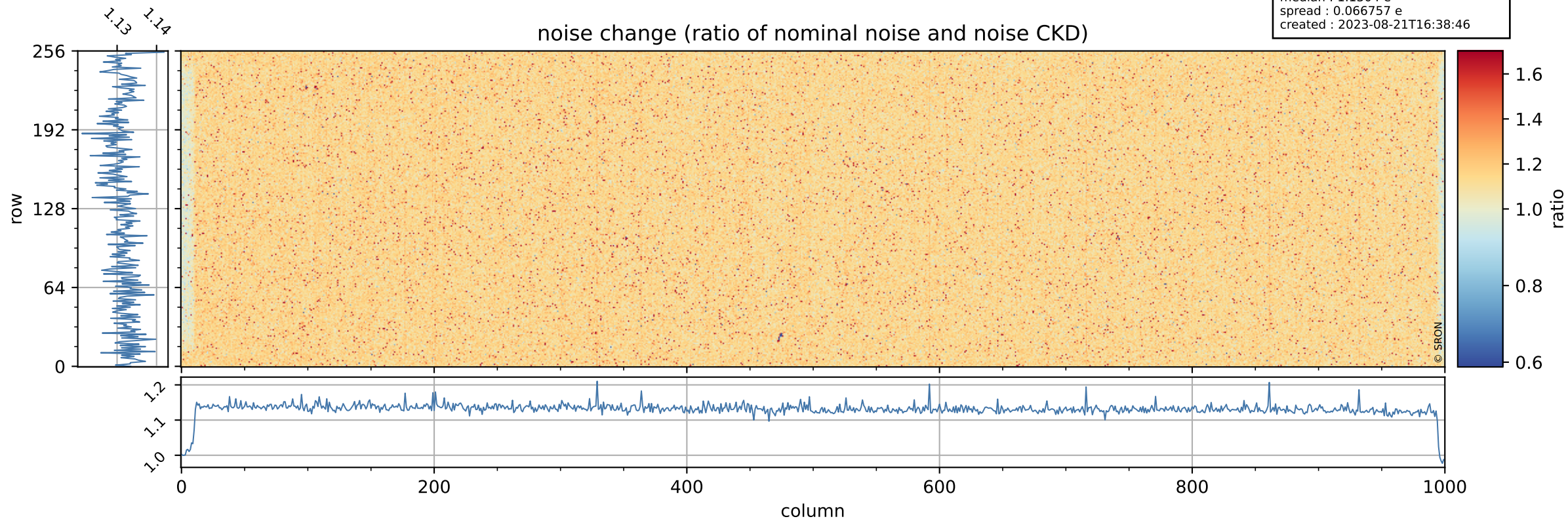
orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
median : 1.0028 e  
spread : 0.0094238 e  
created : 2023-08-21T16:38:46



# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
median : 1.1304 e  
spread : 0.066757 e  
created : 2023-08-21T16:38:46

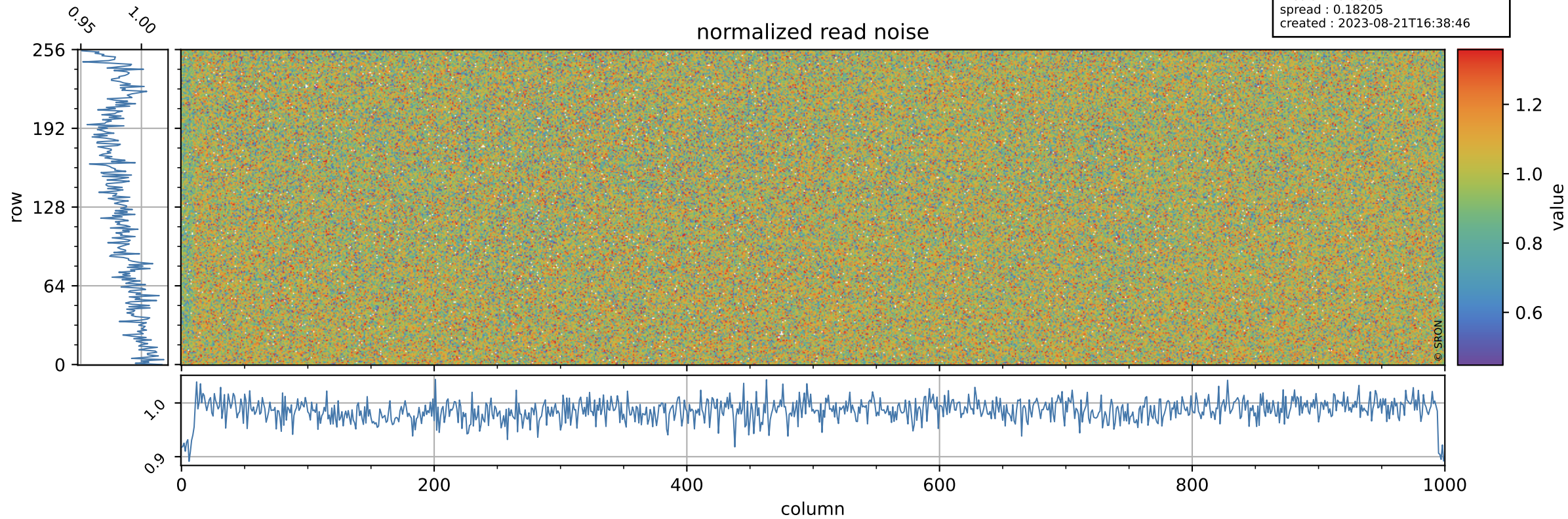
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
median : 0.9838  
spread : 0.18205  
created : 2023-08-21T16:38:46

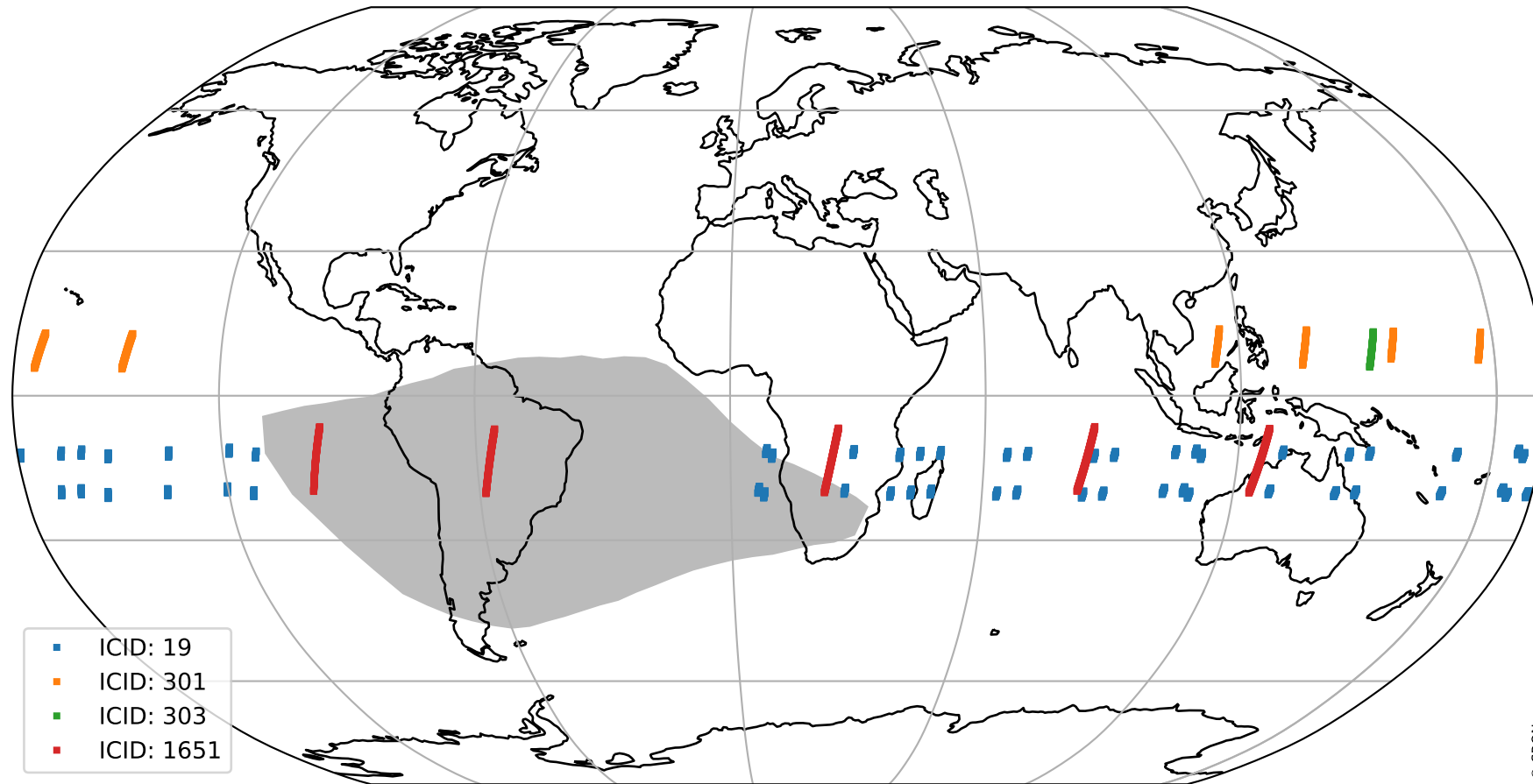
normalized read noise





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

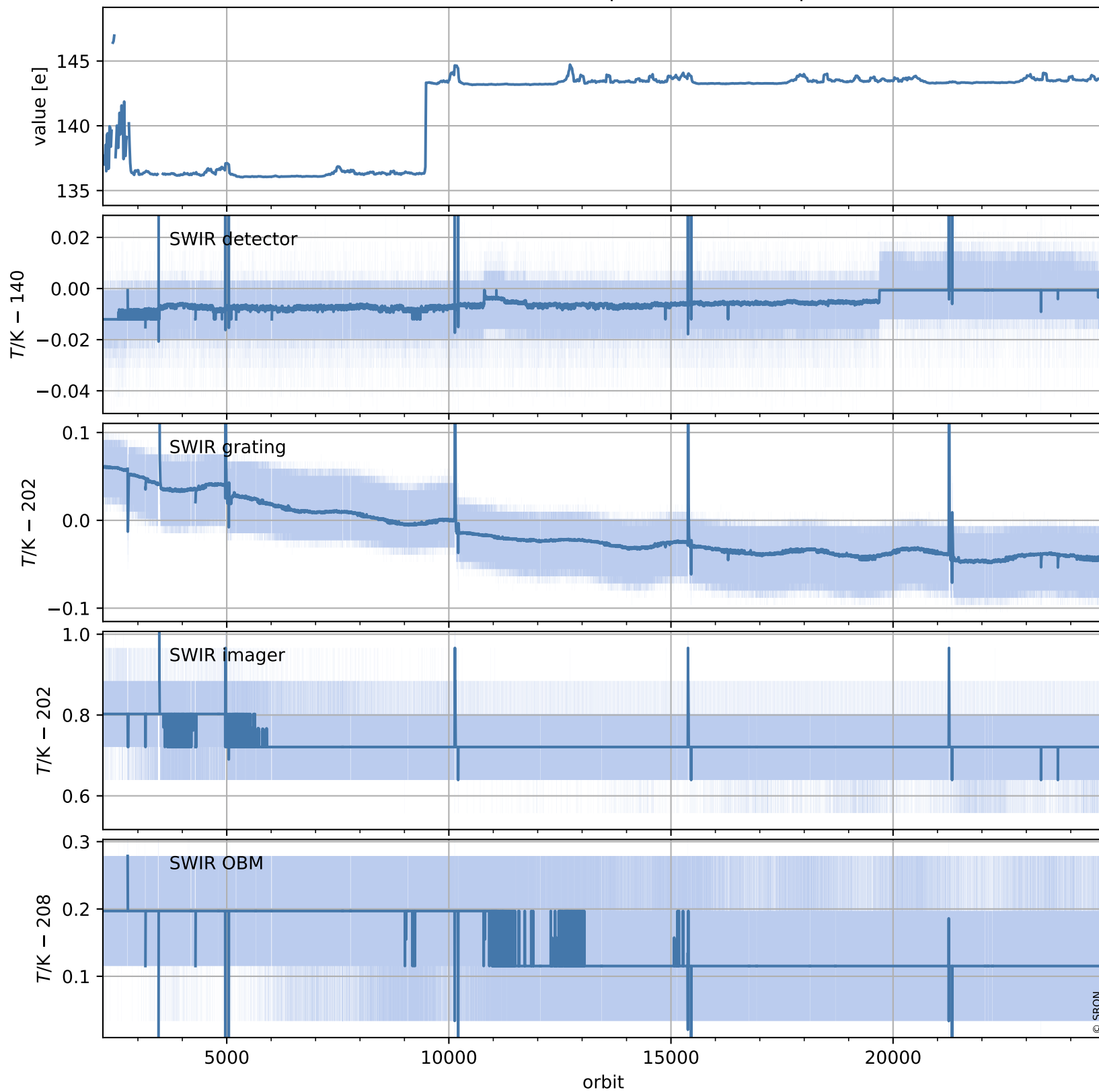
orbits : 12 in [24652, 24742]  
coverage : 2022-07-17 / 2022-07-22  
created : 2023-08-21T16:38:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 24742]  
coverage : 2018-03-18 / 2022-07-22  
created : 2023-08-21T16:38:47

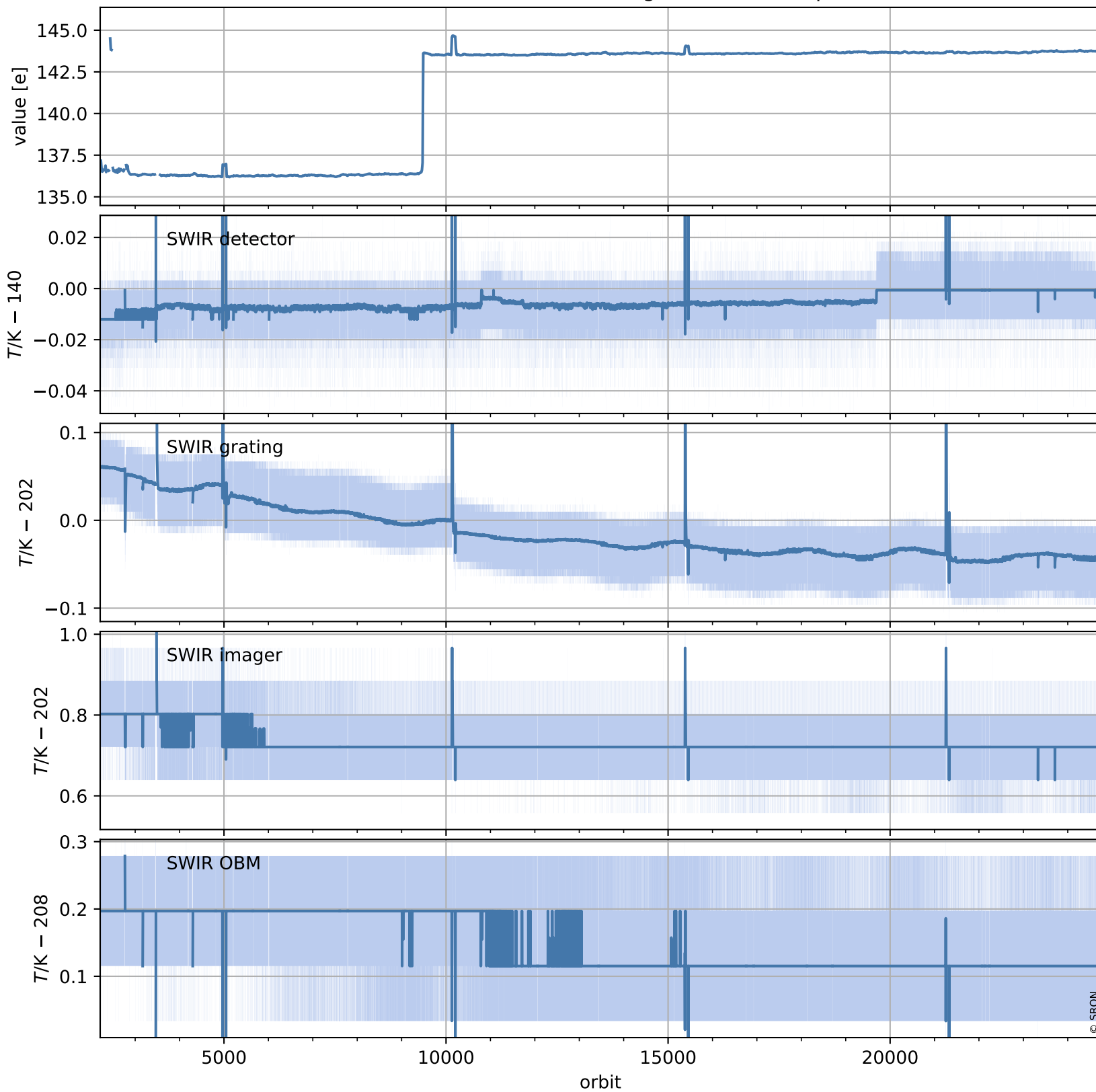
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24742]  
coverage : 2018-03-18 / 2022-07-22  
created : 2023-08-21T16:38:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24742]  
coverage : 2018-03-18 / 2022-07-22  
created : 2023-08-21T16:38:49

## trend of normalized read-noise & temperatures

