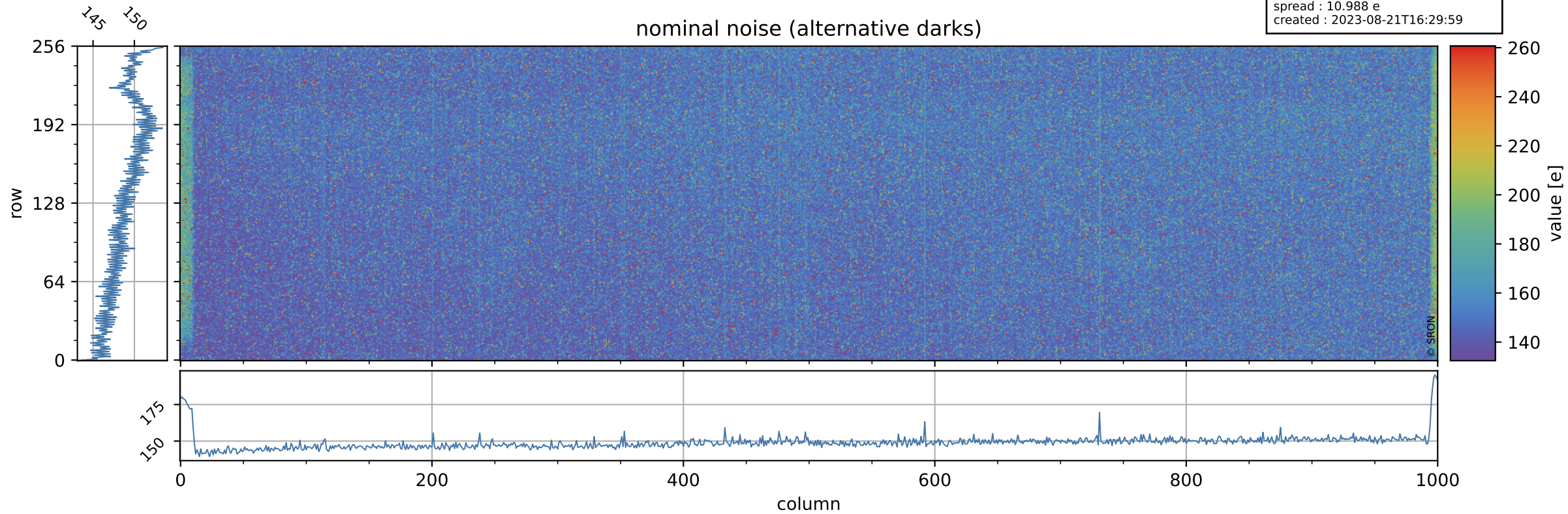


# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.988 e  
created : 2023-08-21T16:29:59

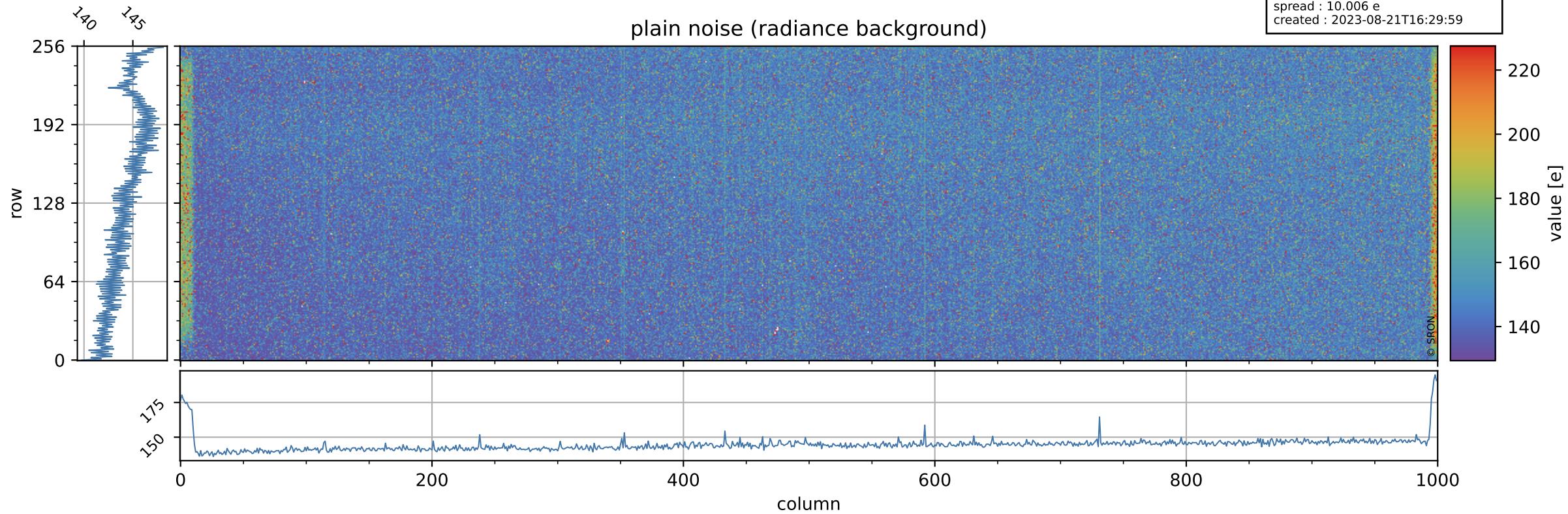
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
n\_coad, t\_exp : 1, 0.8383  
median : 144.22 e  
spread : 10.006 e  
created : 2023-08-21T16:29:59

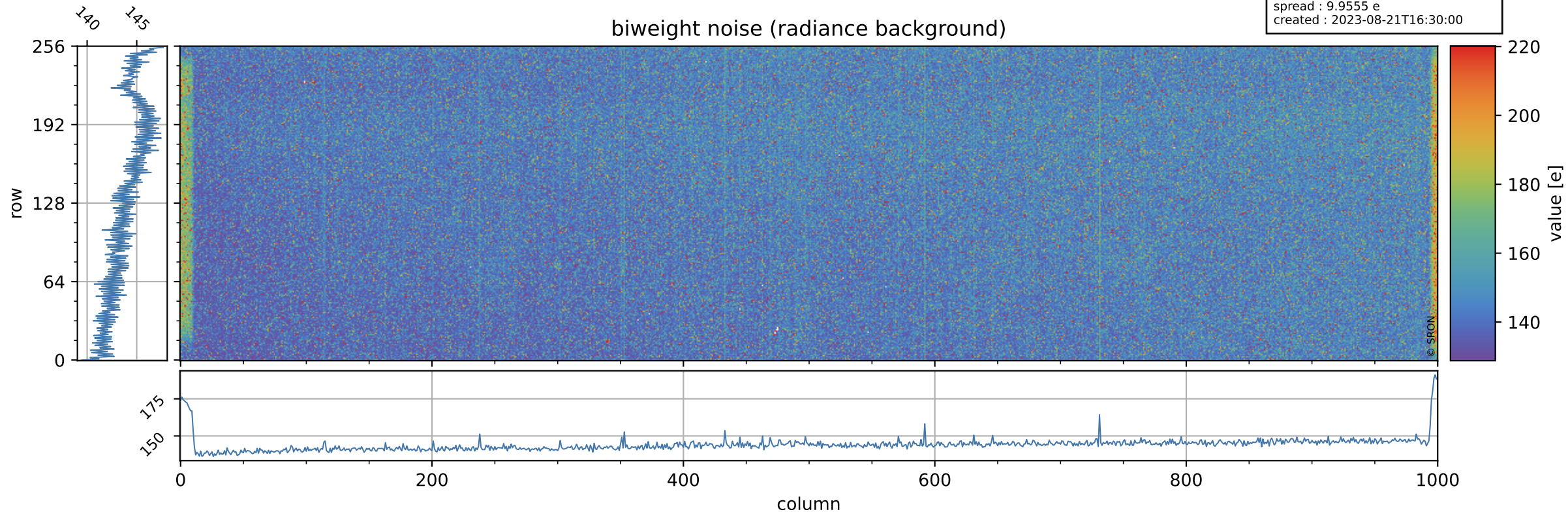
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.9555 e  
created : 2023-08-21T16:30:00

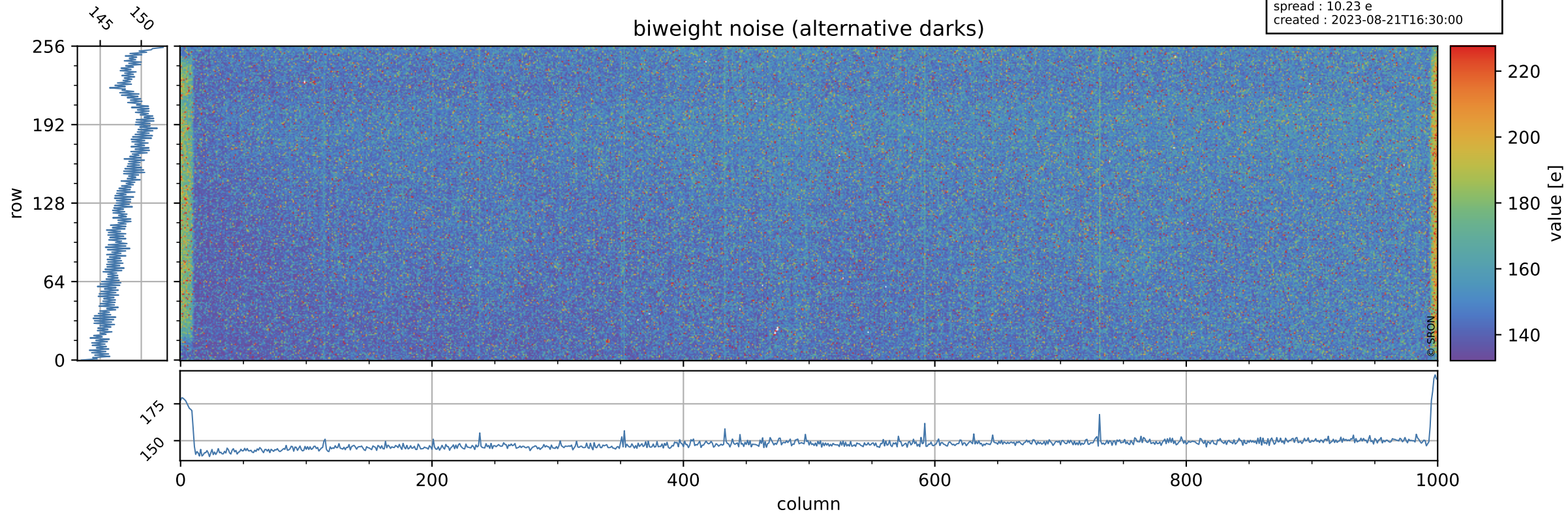
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.23 e  
created : 2023-08-21T16:30:00

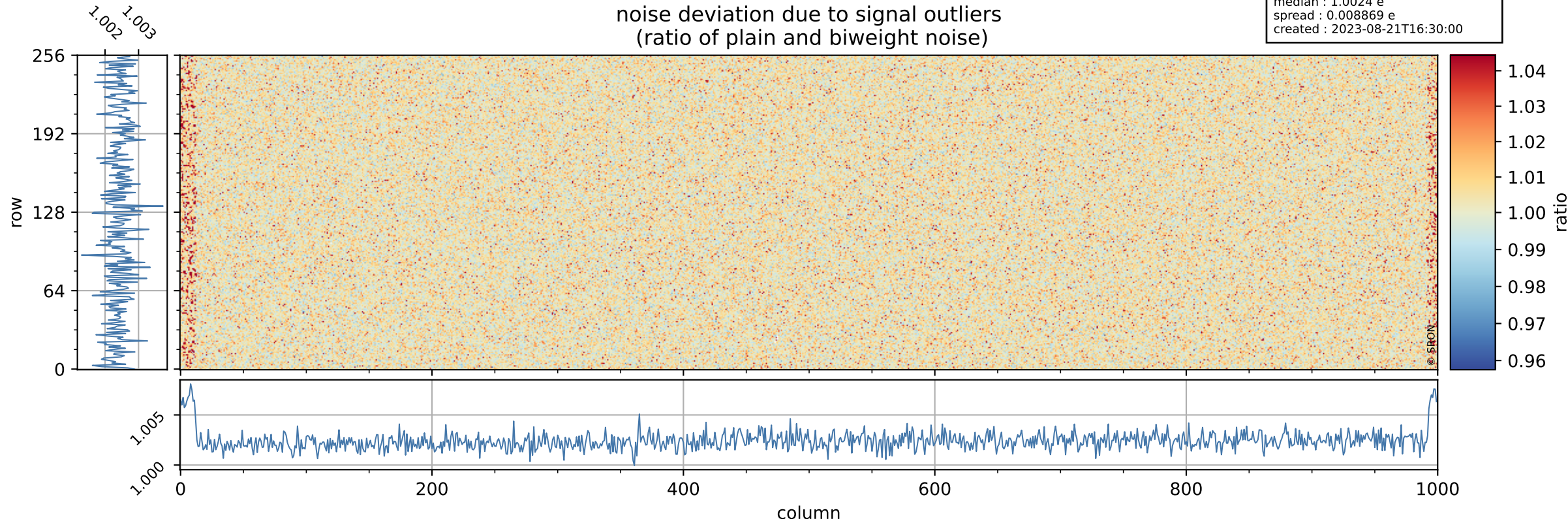
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

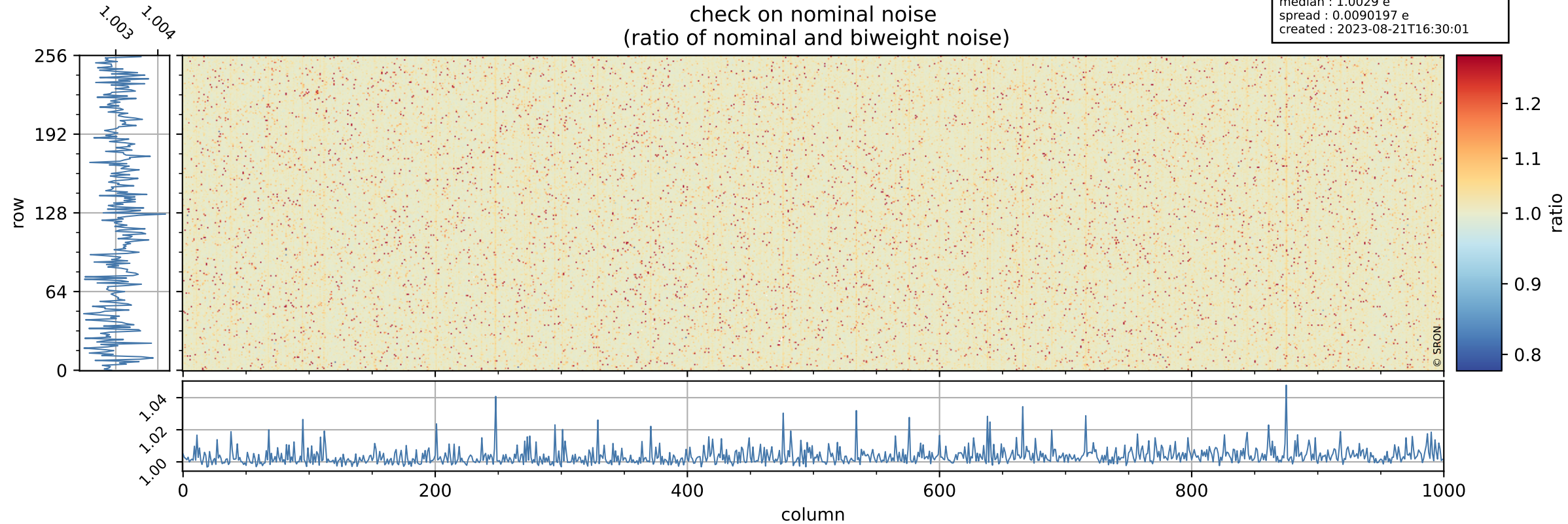
orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
median : 1.0024 e  
spread : 0.008869 e  
created : 2023-08-21T16:30:00



# Tropomi SWIR background noise (swir)

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

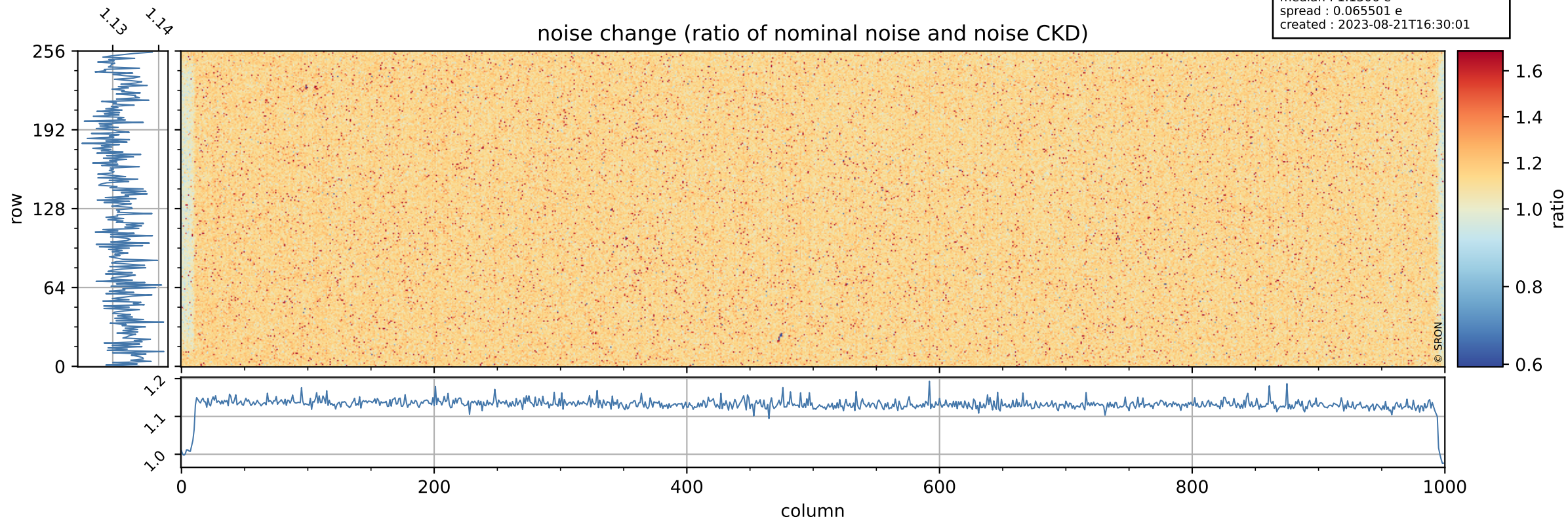
orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
median : 1.0029 e  
spread : 0.0090197 e  
created : 2023-08-21T16:30:01



# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
median : 1.1306 e  
spread : 0.065501 e  
created : 2023-08-21T16:30:01

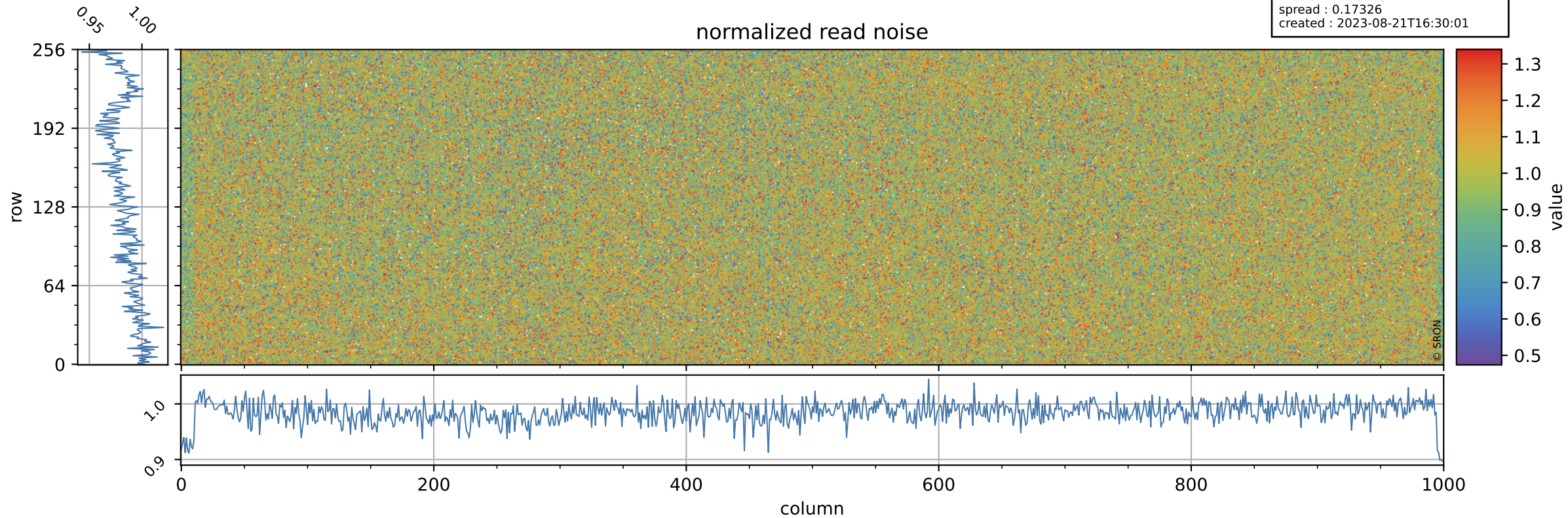
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
median : 0.98315  
spread : 0.17326  
created : 2023-08-21T16:30:01

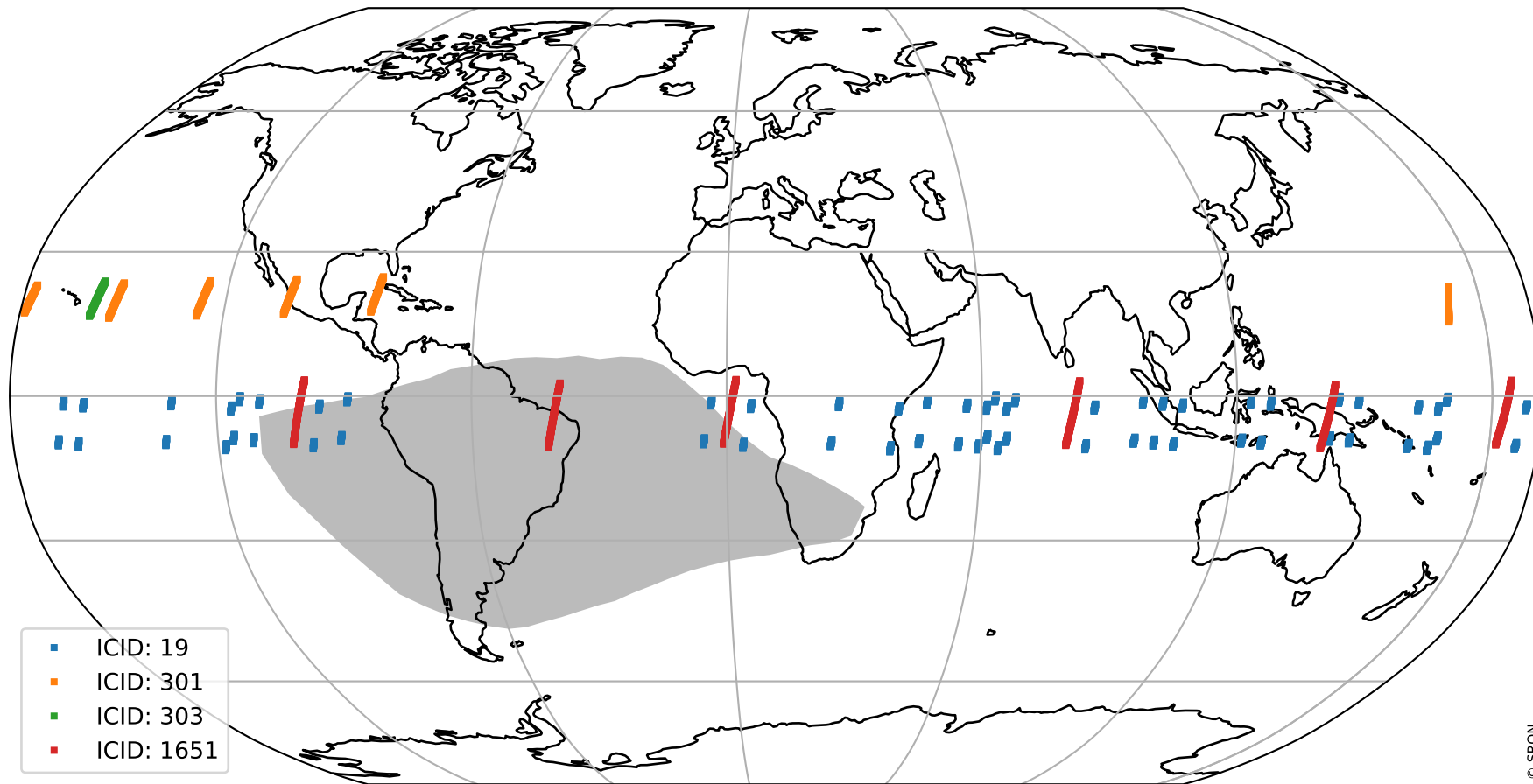
normalized read noise





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

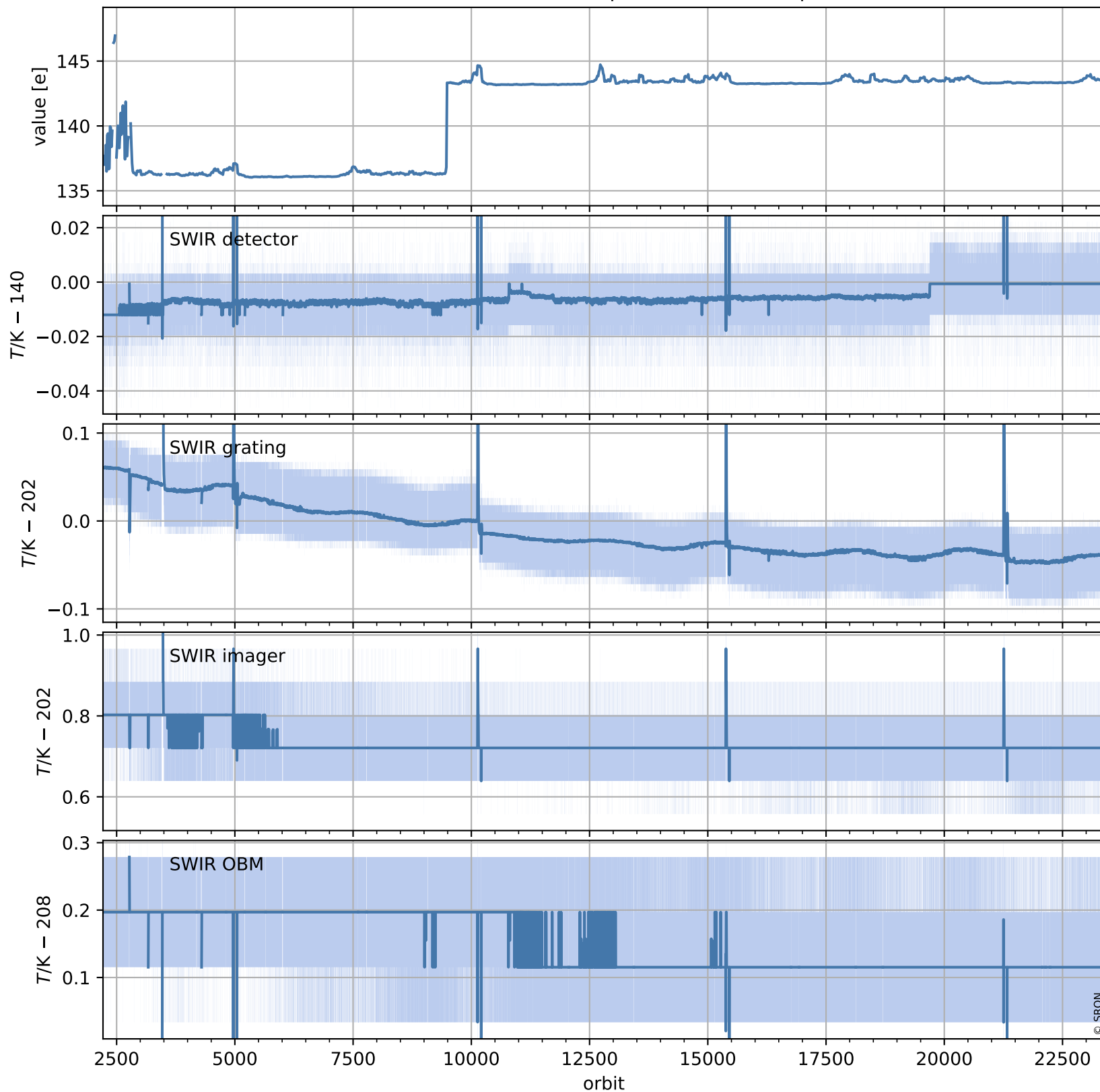
orbits : 13 in [23302, 23392]  
coverage : 2022-04-13 / 2022-04-18  
created : 2023-08-21T16:30:01



# Tropomi SWIR background noise (swir)

orbits : [2212, 23392]  
coverage : 2018-03-18 / 2022-04-18  
created : 2023-08-21T16:30:02

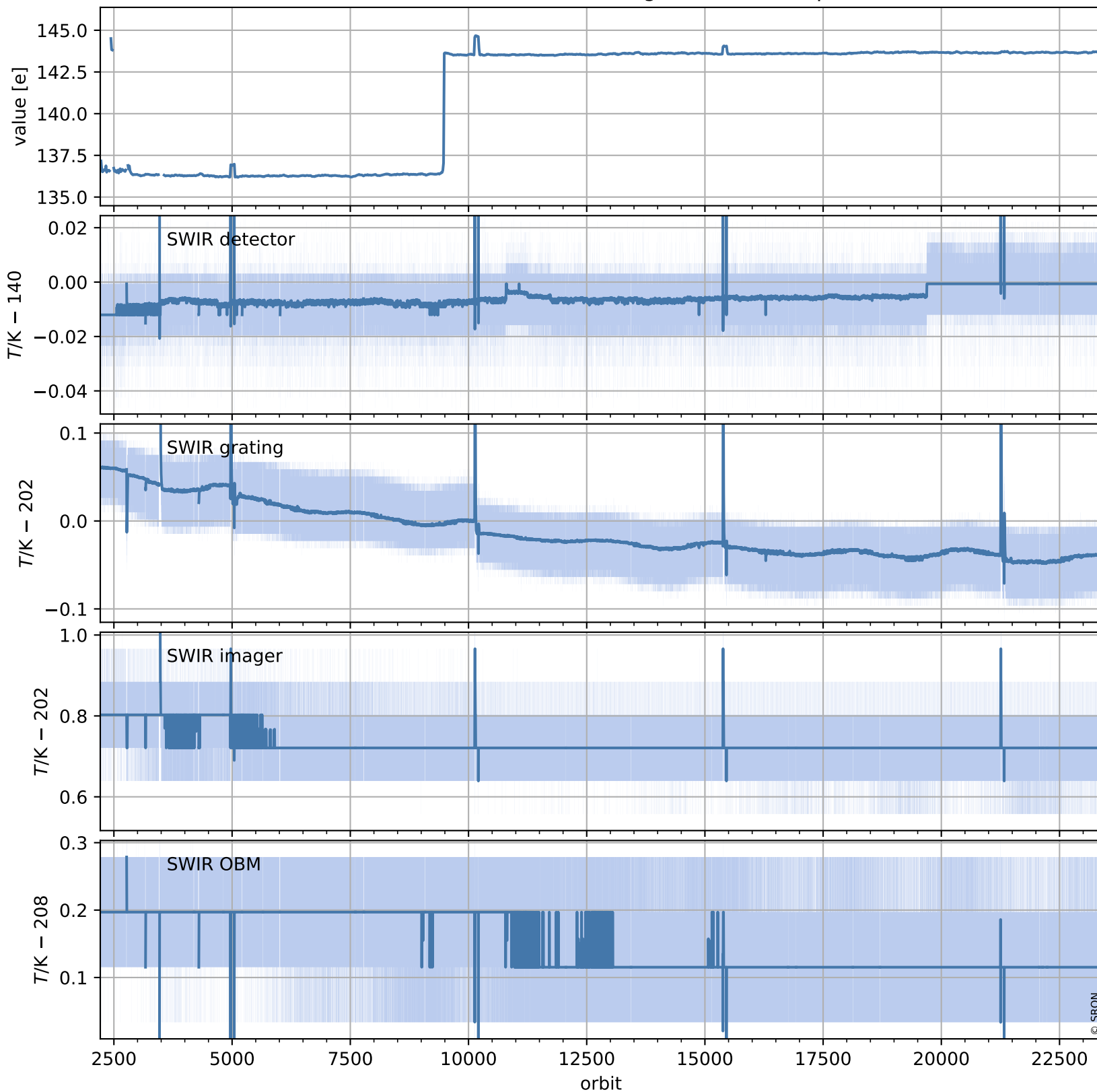
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23392]  
coverage : 2018-03-18 / 2022-04-18  
created : 2023-08-21T16:30:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23392]  
coverage : 2018-03-18 / 2022-04-18  
created : 2023-08-21T16:30:04

## trend of normalized read-noise & temperatures

