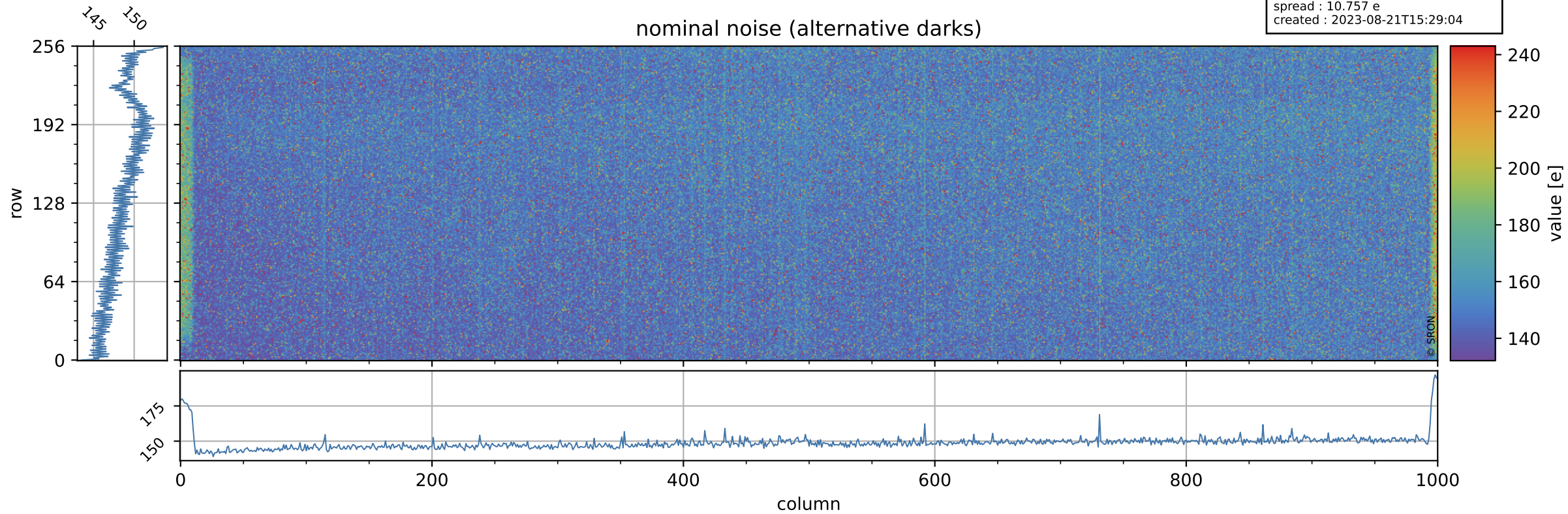


# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.48 e  
spread : 10.757 e  
created : 2023-08-21T15:29:04

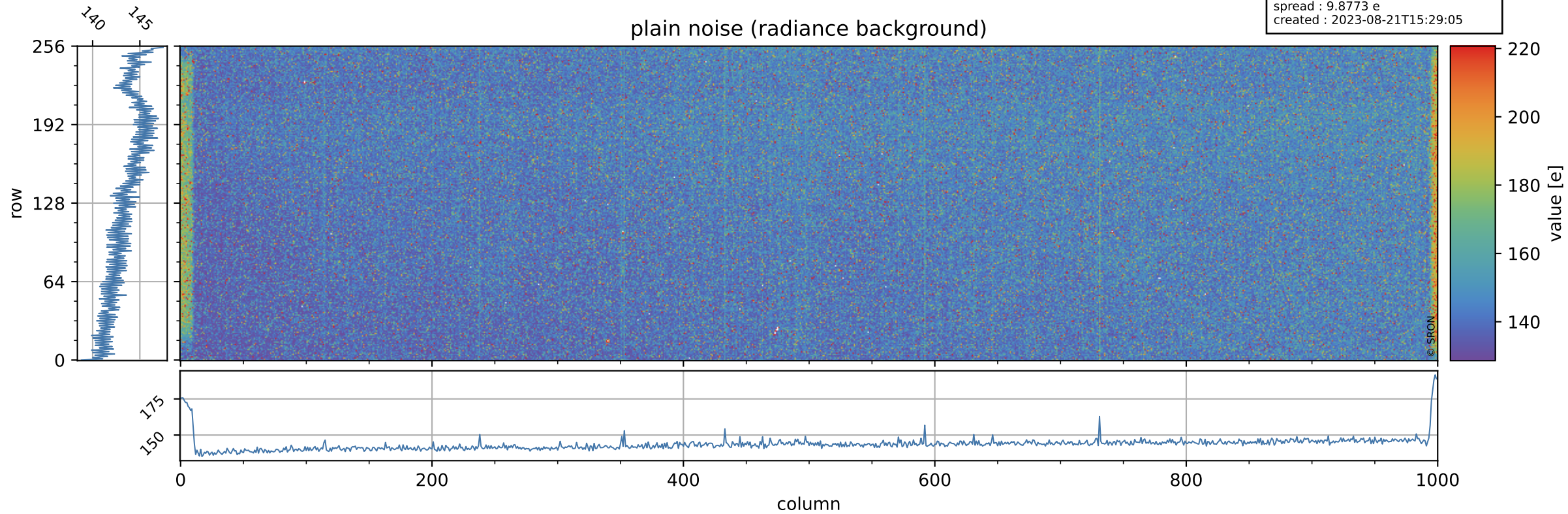
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.8773 e  
created : 2023-08-21T15:29:05

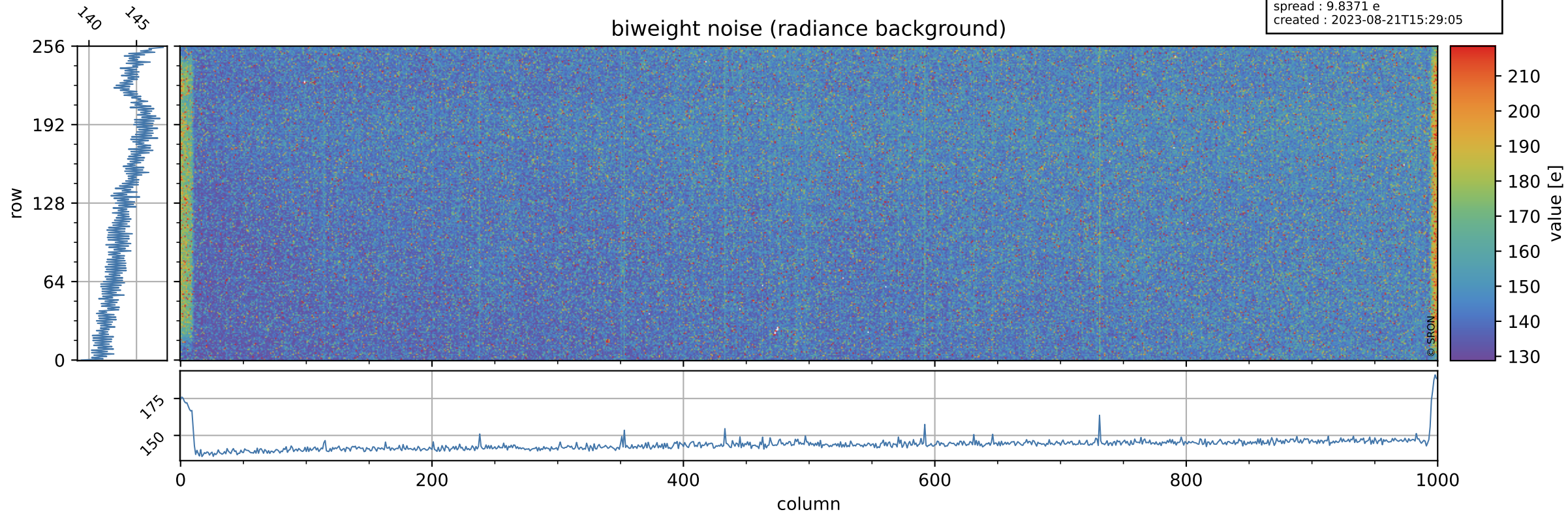
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.8371 e  
created : 2023-08-21T15:29:05

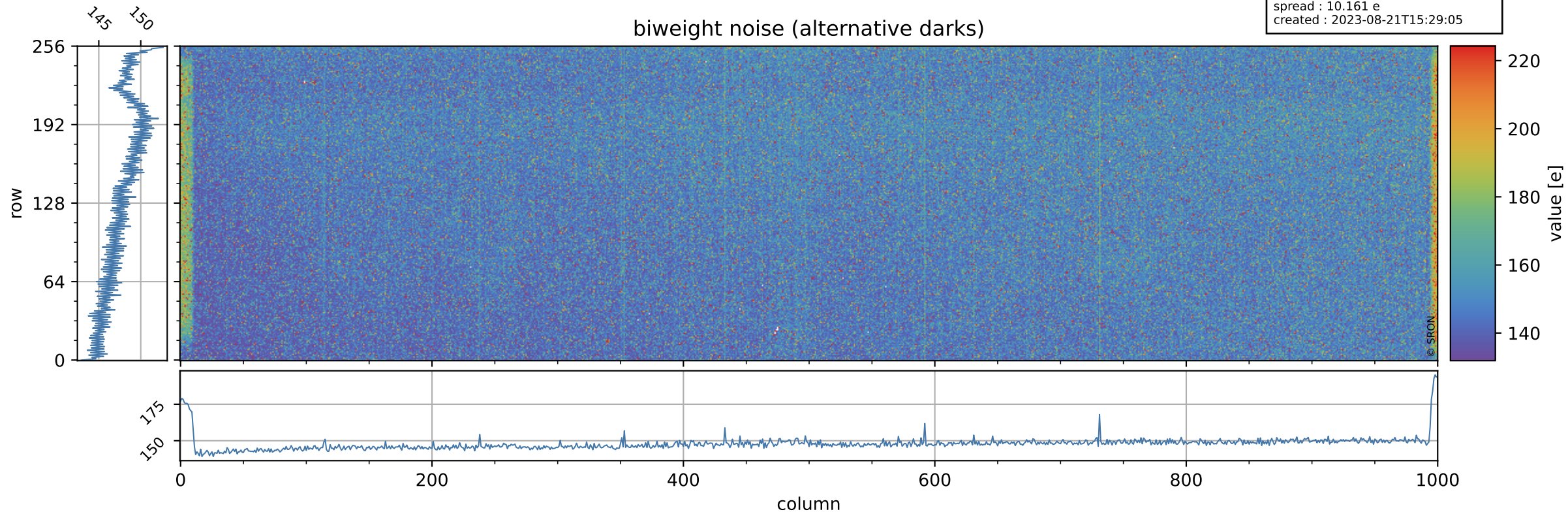
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.161 e  
created : 2023-08-21T15:29:05

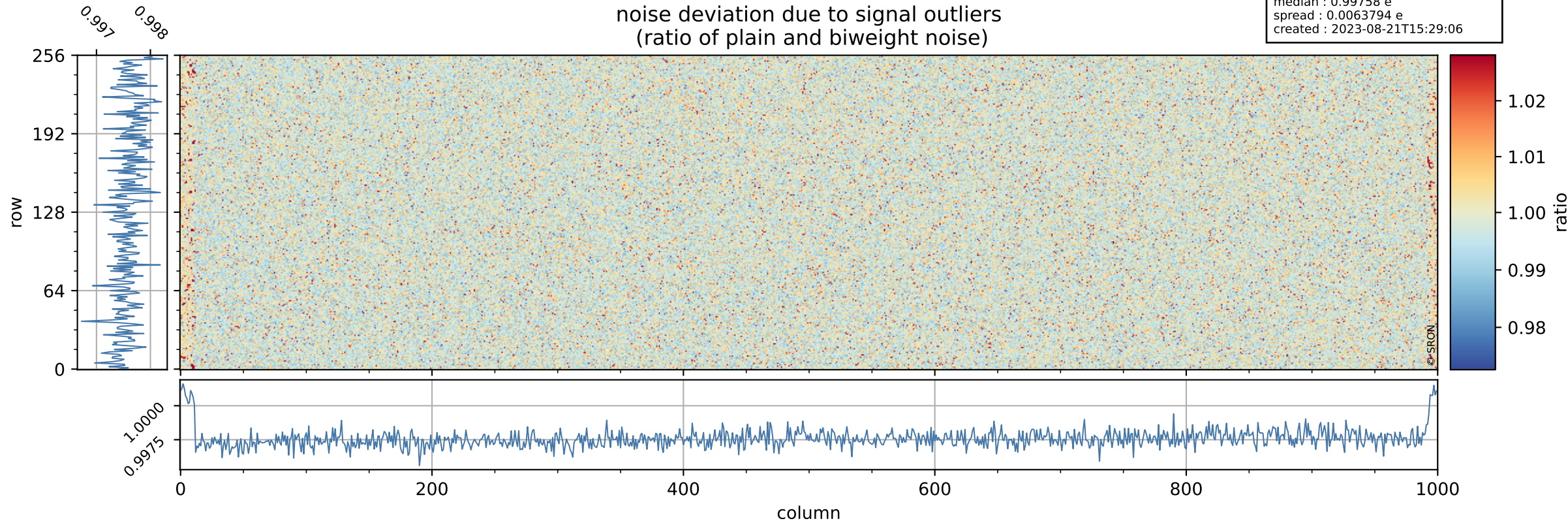
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

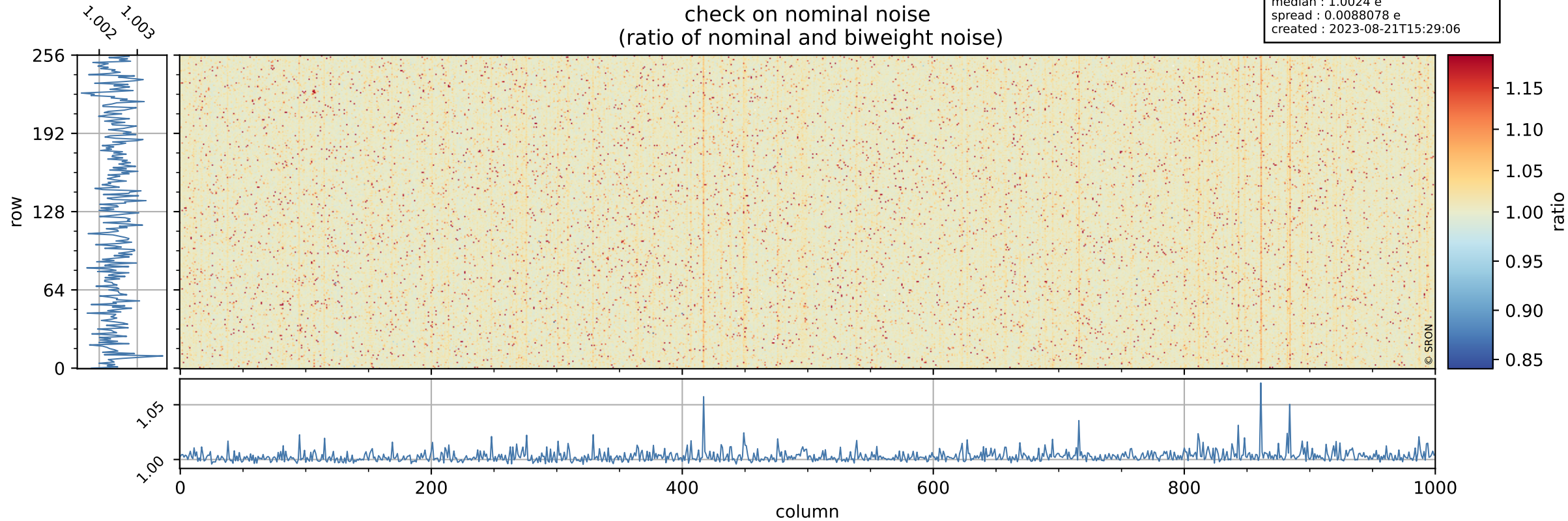
orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
median : 0.99758 e  
spread : 0.0063794 e  
created : 2023-08-21T15:29:06



# Tropomi SWIR background noise (swir)

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

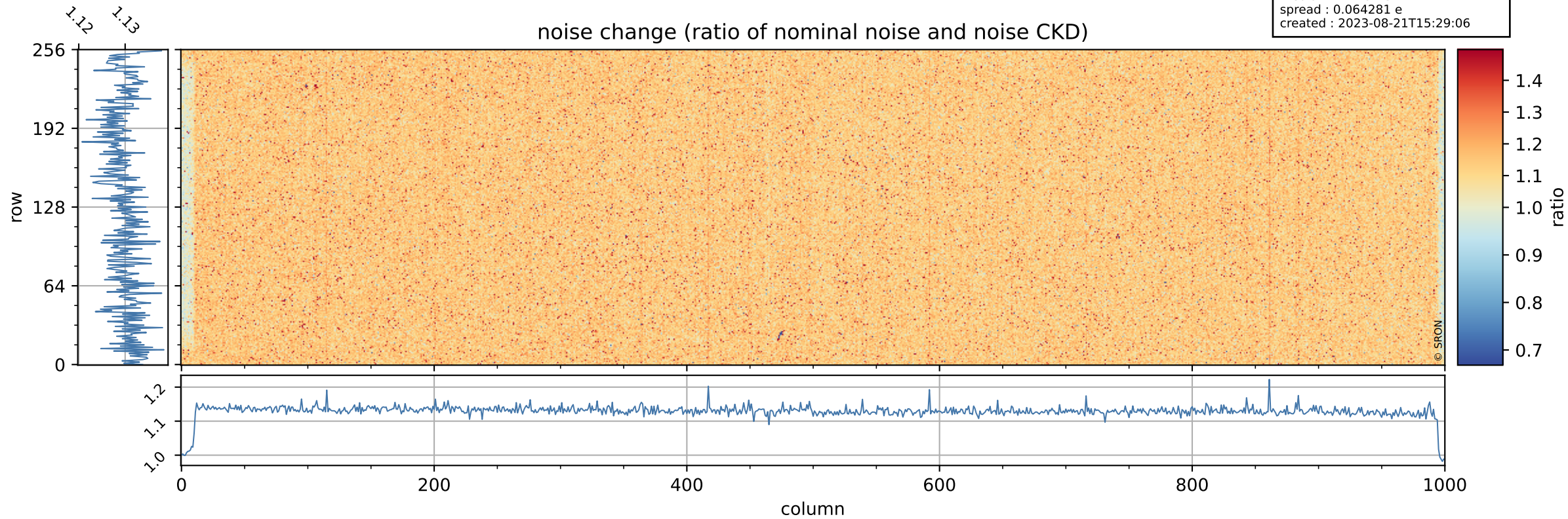
orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
median : 1.0024 e  
spread : 0.0088078 e  
created : 2023-08-21T15:29:06



# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
median : 1.1291 e  
spread : 0.064281 e  
created : 2023-08-21T15:29:06

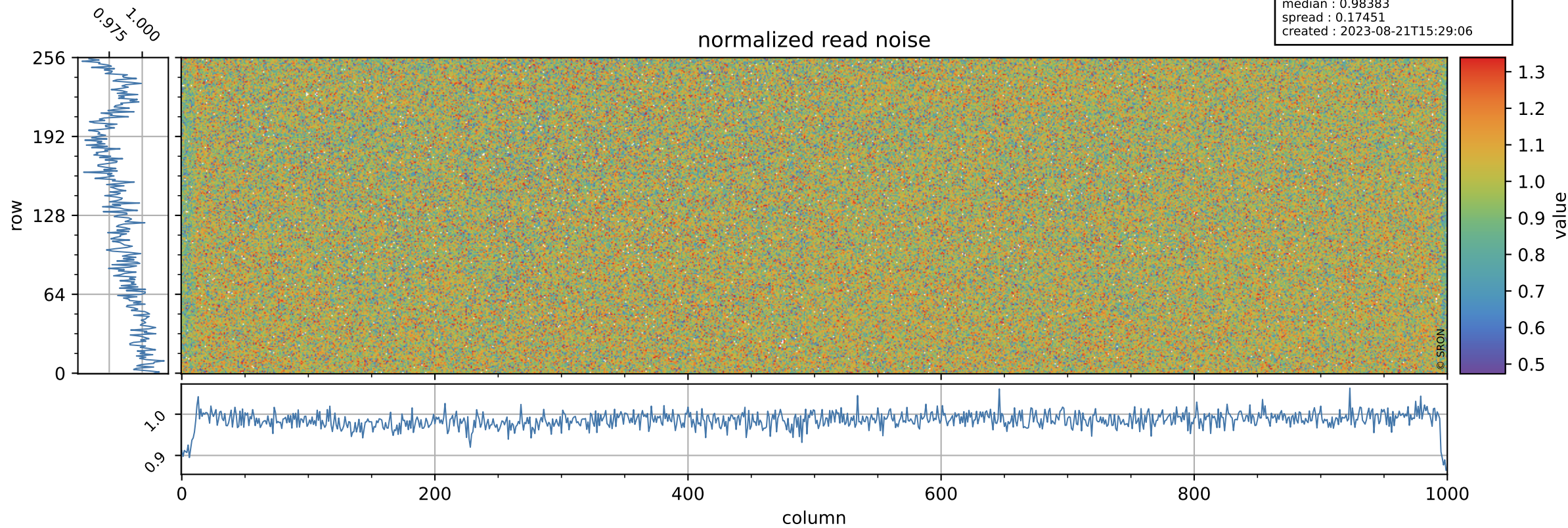
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
median : 0.98383  
spread : 0.17451  
created : 2023-08-21T15:29:06

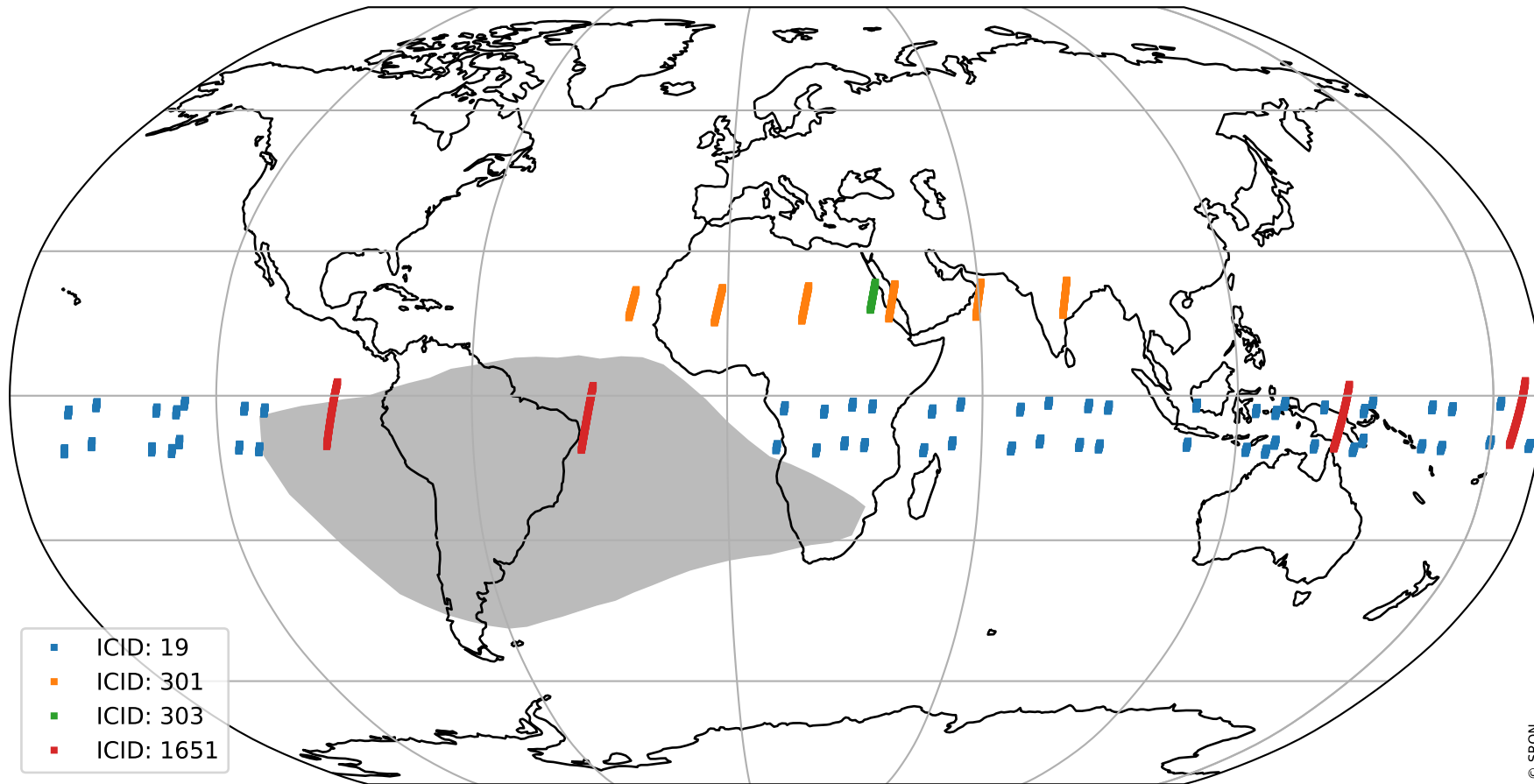
normalized read noise





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

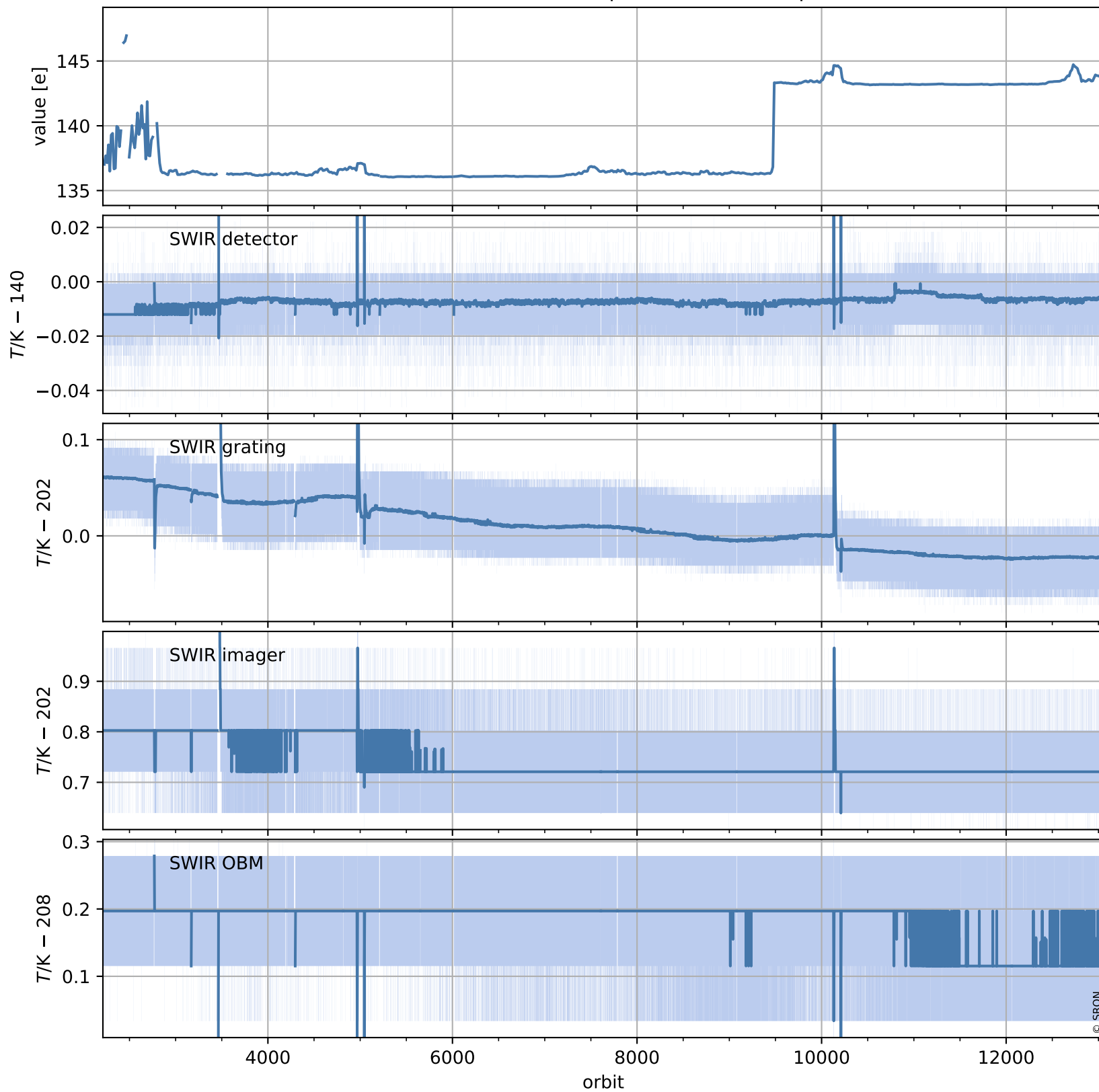
orbits : 12 in [12982, 13057]  
coverage : 2020-04-14 / 2020-04-20  
created : 2023-08-21T15:29:07



# Tropomi SWIR background noise (swir)

orbits : [2212, 13057]  
coverage : 2018-03-18 / 2020-04-20  
created : 2023-08-21T15:29:07

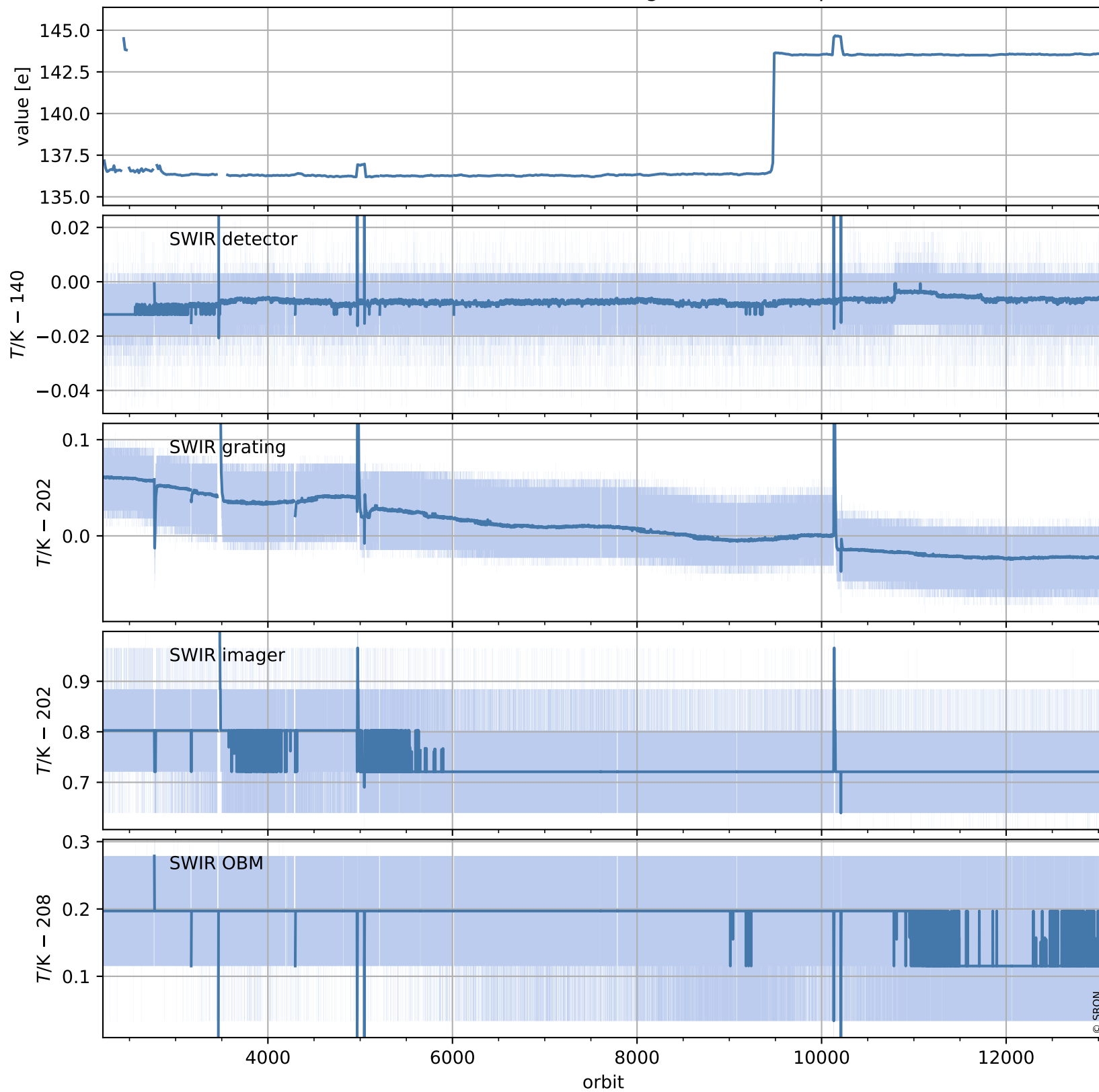
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13057]  
coverage : 2018-03-18 / 2020-04-20  
created : 2023-08-21T15:29:08

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13057]  
coverage : 2018-03-18 / 2020-04-20  
created : 2023-08-21T15:29:08

## trend of normalized read-noise & temperatures

