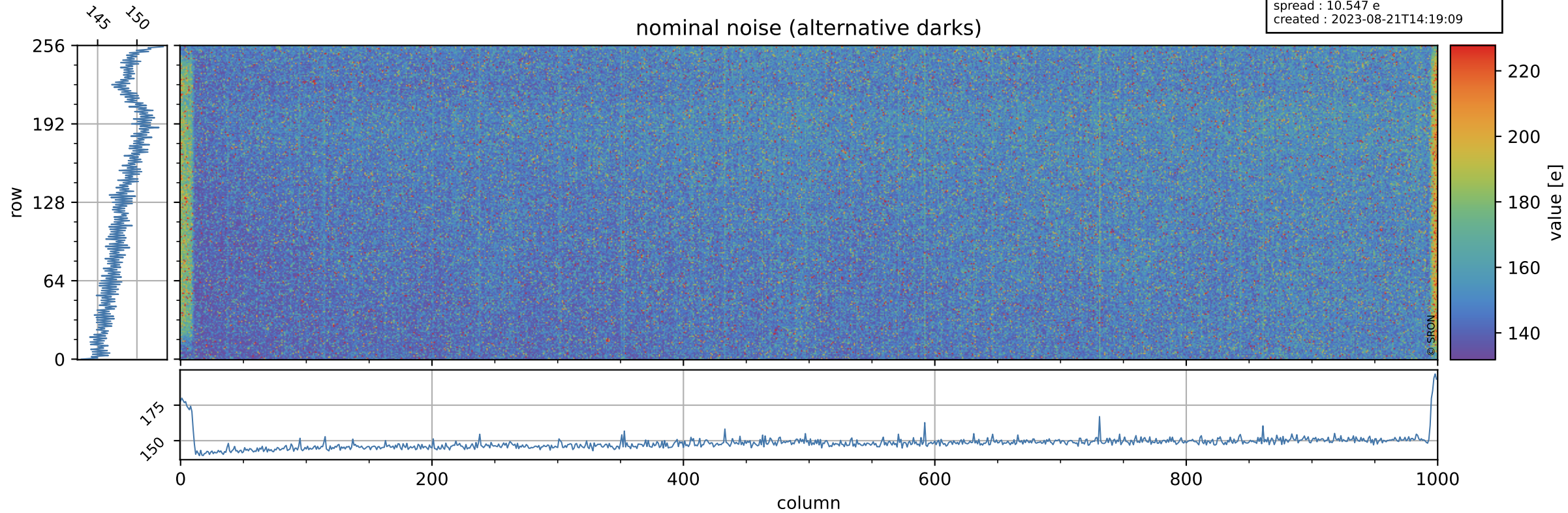


# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.18 e  
spread : 10.547 e  
created : 2023-08-21T14:19:09

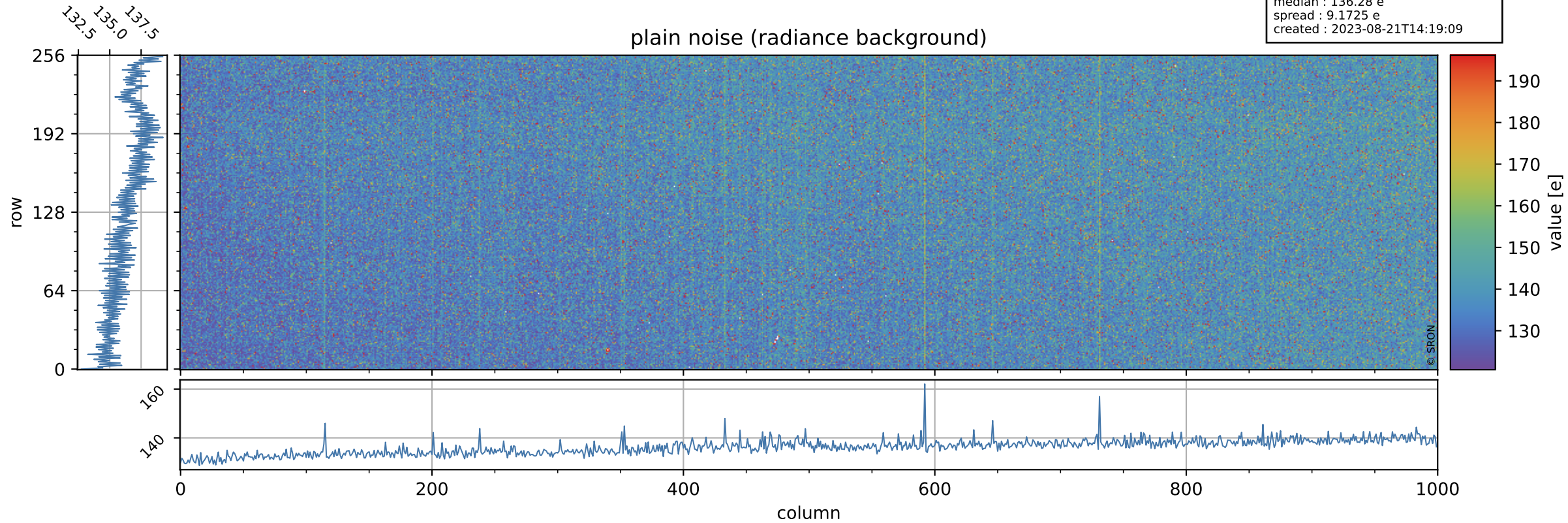
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
n\_coad, t\_exp : 2, 0.5383  
median : 136.28 e  
spread : 9.1725 e  
created : 2023-08-21T14:19:09

## plain noise (radiance background)

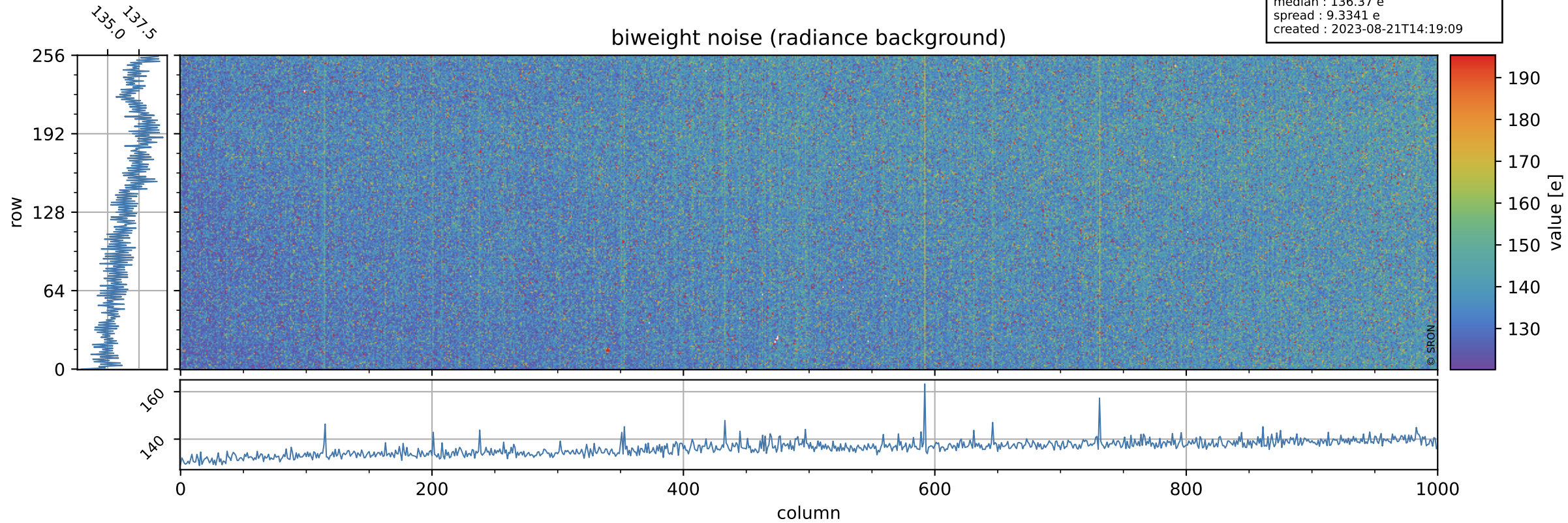




# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
n\_coad, t\_exp : 2, 0.5383  
median : 136.37 e  
spread : 9.3341 e  
created : 2023-08-21T14:19:09

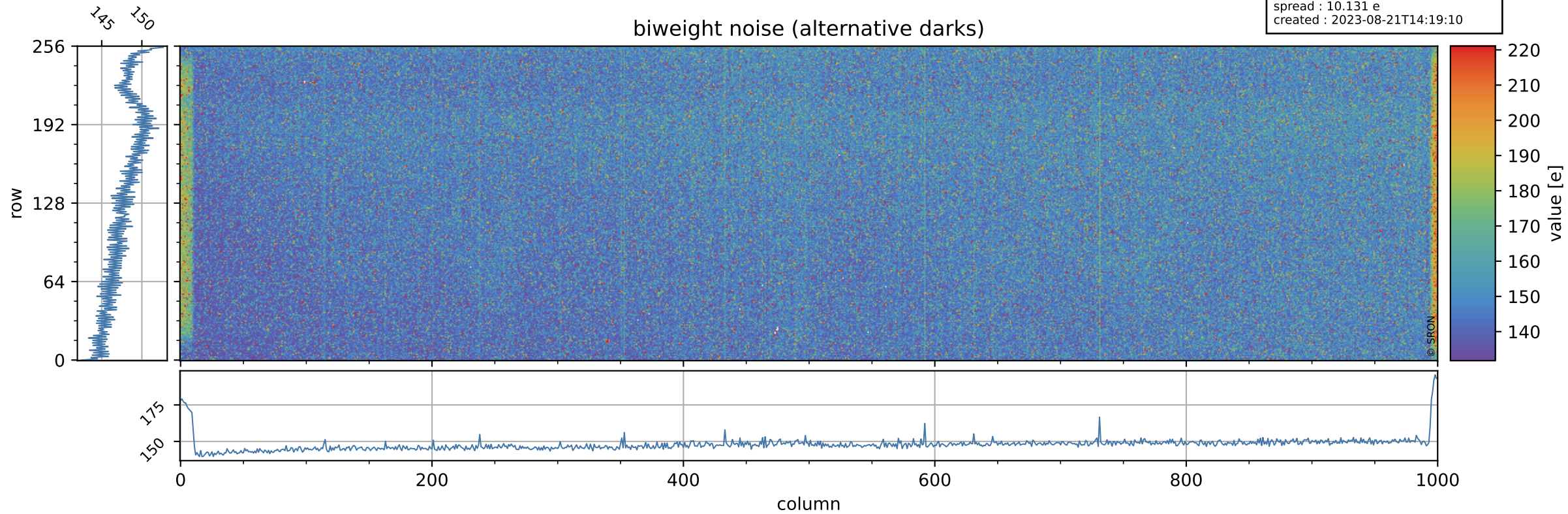
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.131 e  
created : 2023-08-21T14:19:10

## biweight noise (alternative darks)

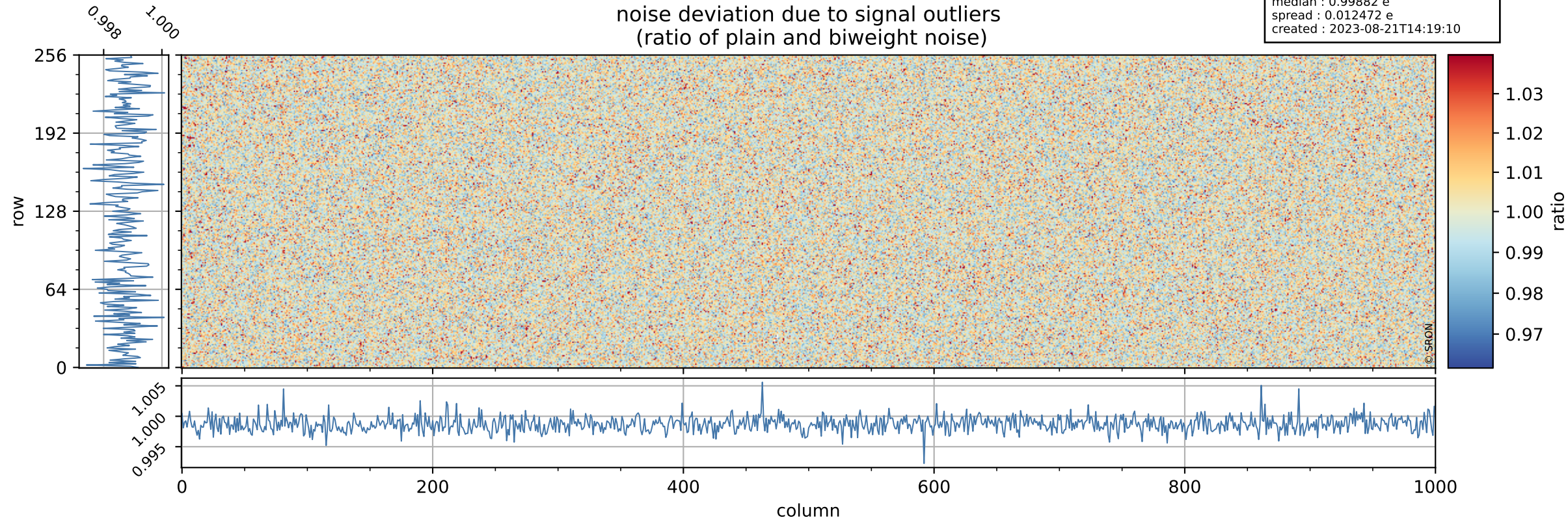




# Tropomi SWIR background noise (swir)

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

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
median : 0.99882 e  
spread : 0.012472 e  
created : 2023-08-21T14:19:10

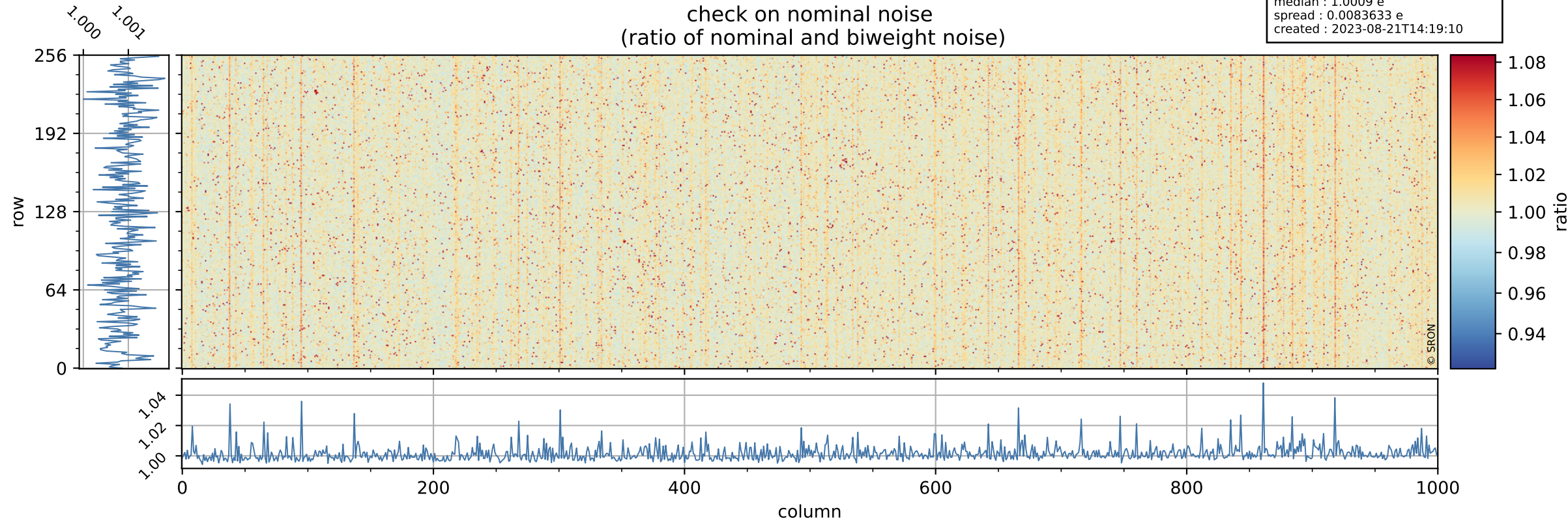




# Tropomi SWIR background noise (swir)

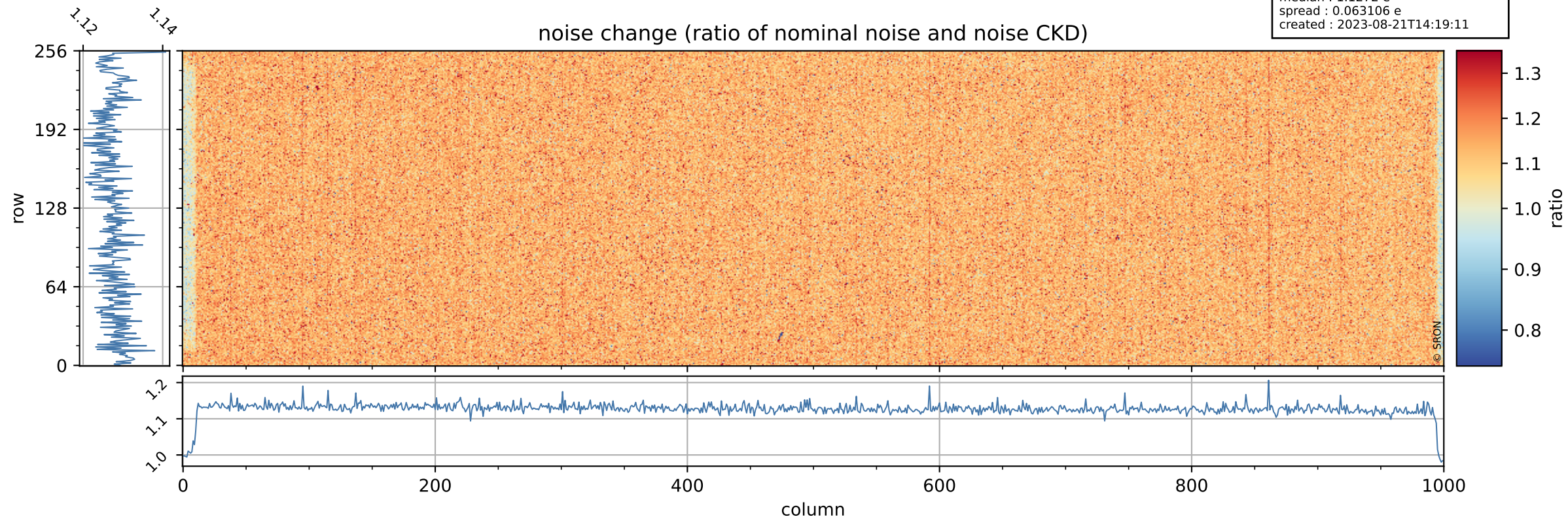
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
median : 1.0009 e  
spread : 0.0083633 e  
created : 2023-08-21T14:19:10



# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
median : 1.1272 e  
spread : 0.063106 e  
created : 2023-08-21T14:19:11

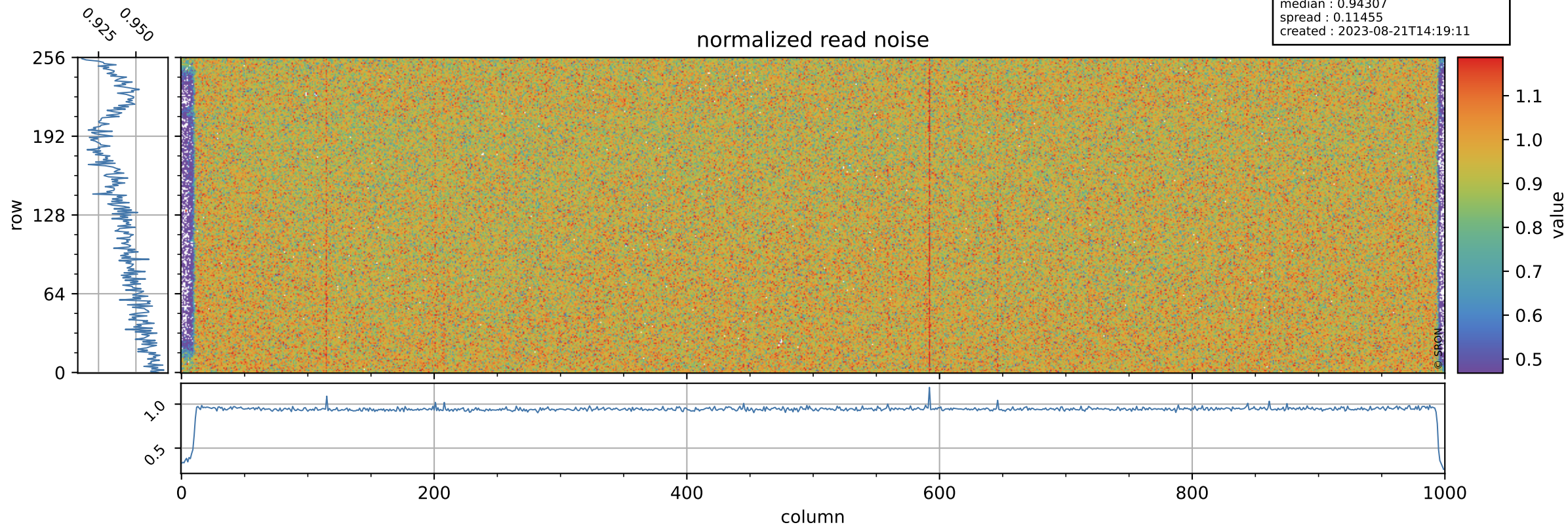




# Tropomi SWIR background noise (swir)

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
median : 0.94307  
spread : 0.11455  
created : 2023-08-21T14:19:11

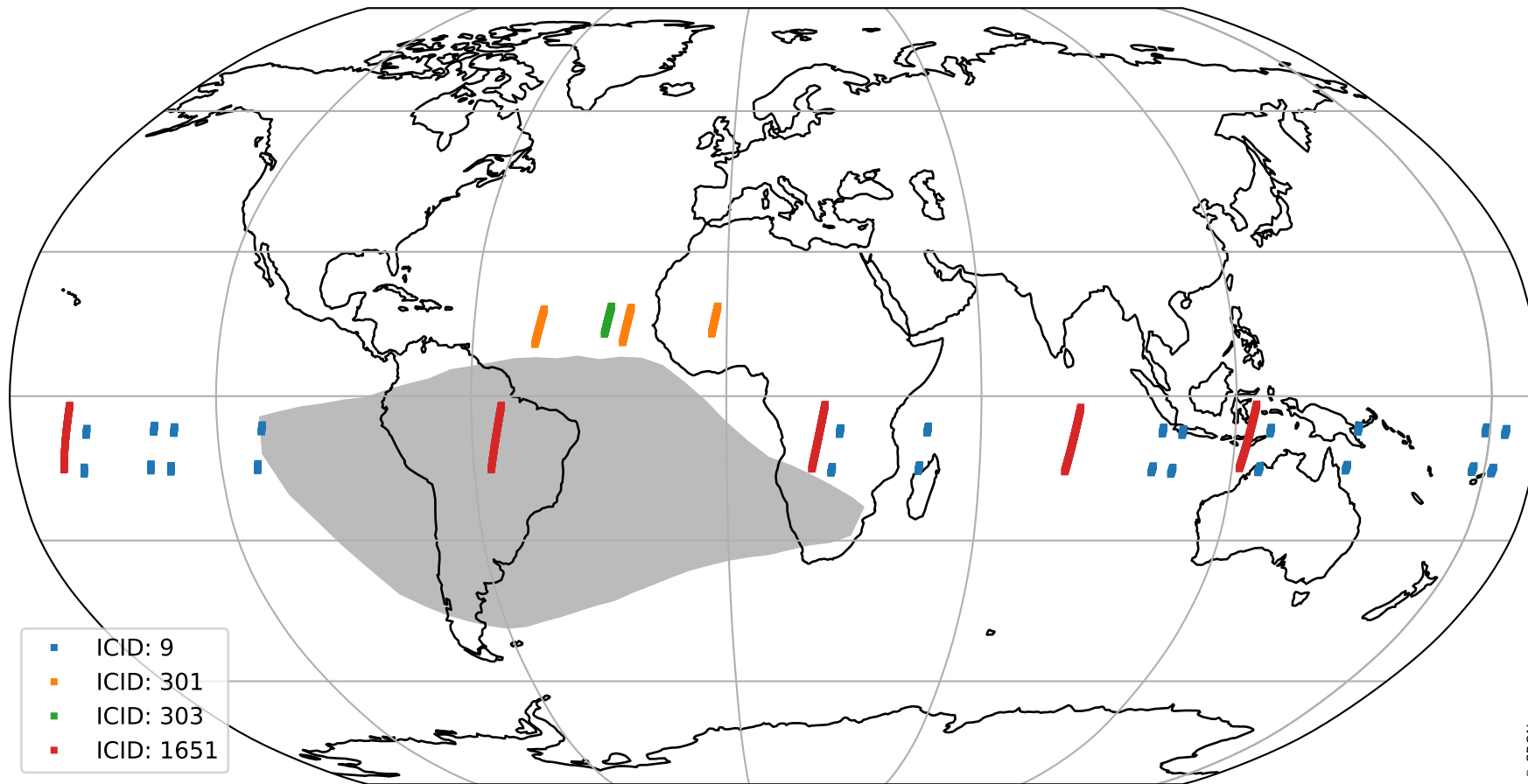
normalized read noise





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

orbits : 9 in [2812, 2857]  
coverage : 2018-04-30 / 2018-05-02  
created : 2023-08-21T14:19:11

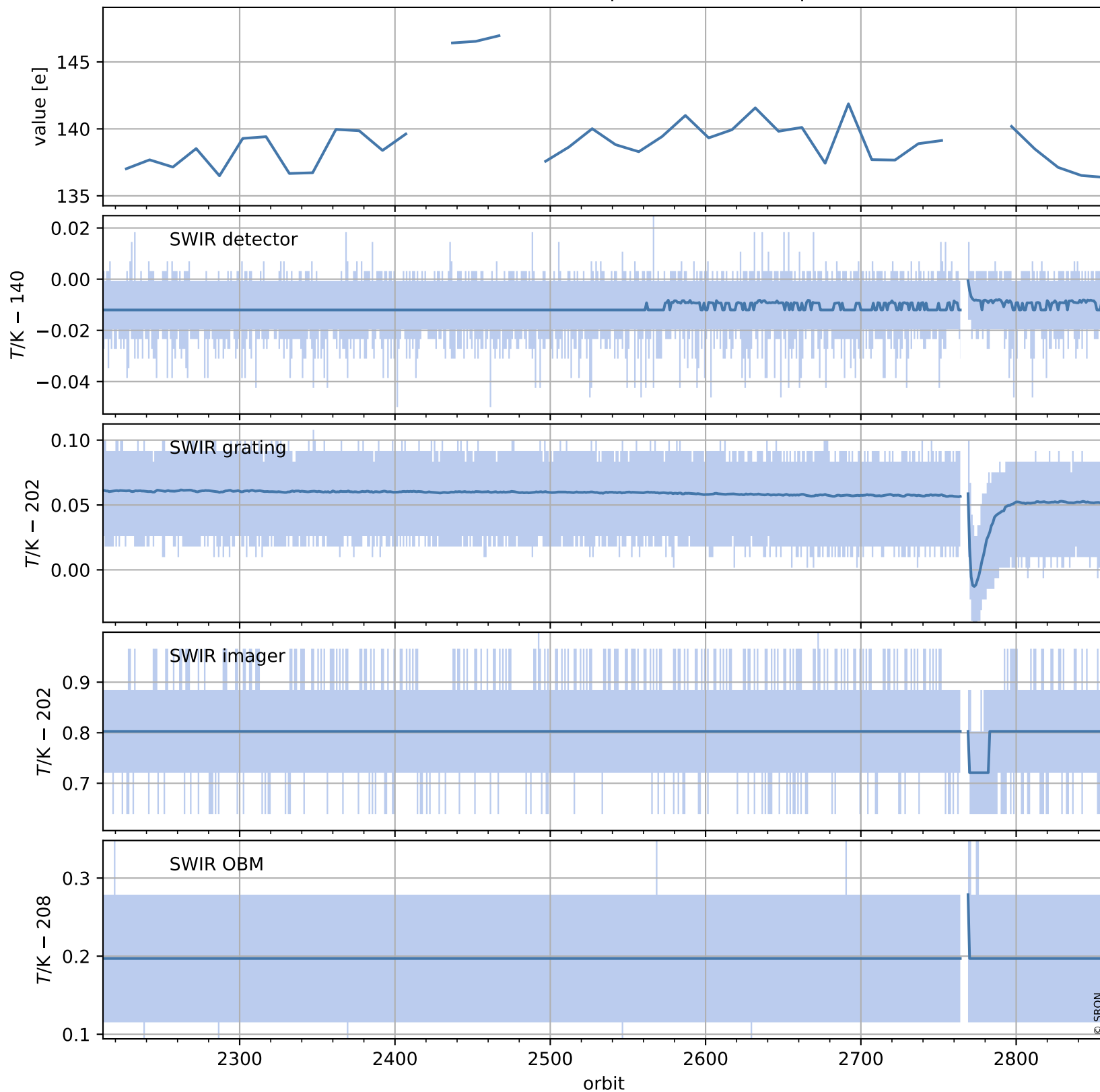




# Tropomi SWIR background noise (swir)

orbits : [2212, 2857]  
coverage : 2018-03-18 / 2018-05-02  
created : 2023-08-21T14:19:11

## trend of detector median of plain noise & temperatures

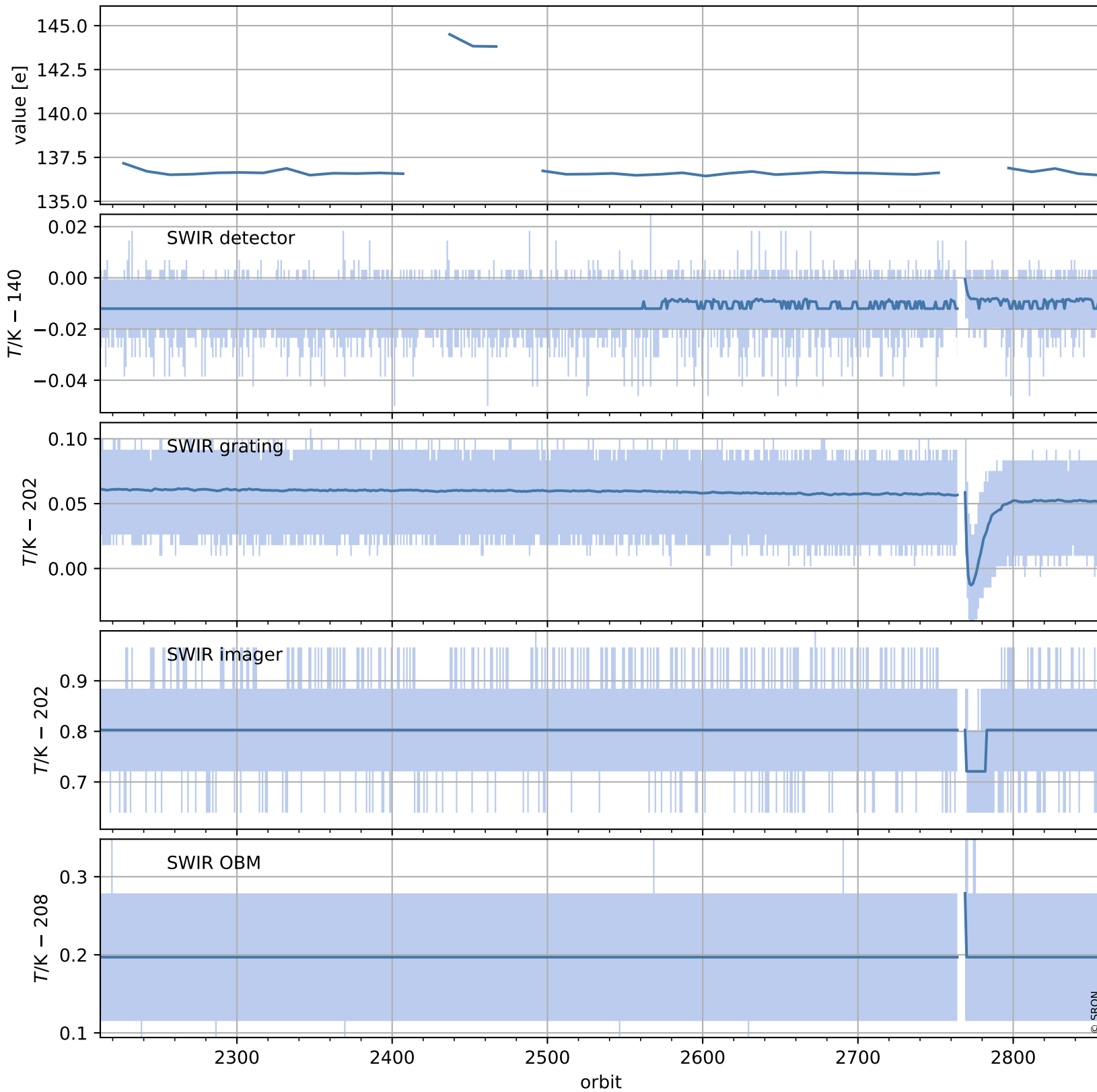




# Tropomi SWIR background noise (swir)

orbits : [2212, 2857]  
coverage : 2018-03-18 / 2018-05-02  
created : 2023-08-21T14:19:12

## trend of detector median of biweight noise & temperatures





# Tropomi SWIR background noise (swir)

orbits : [2212, 2857]  
coverage : 2018-03-18 / 2018-05-02  
created : 2023-08-21T14:19:12

## trend of normalized read-noise & temperatures

