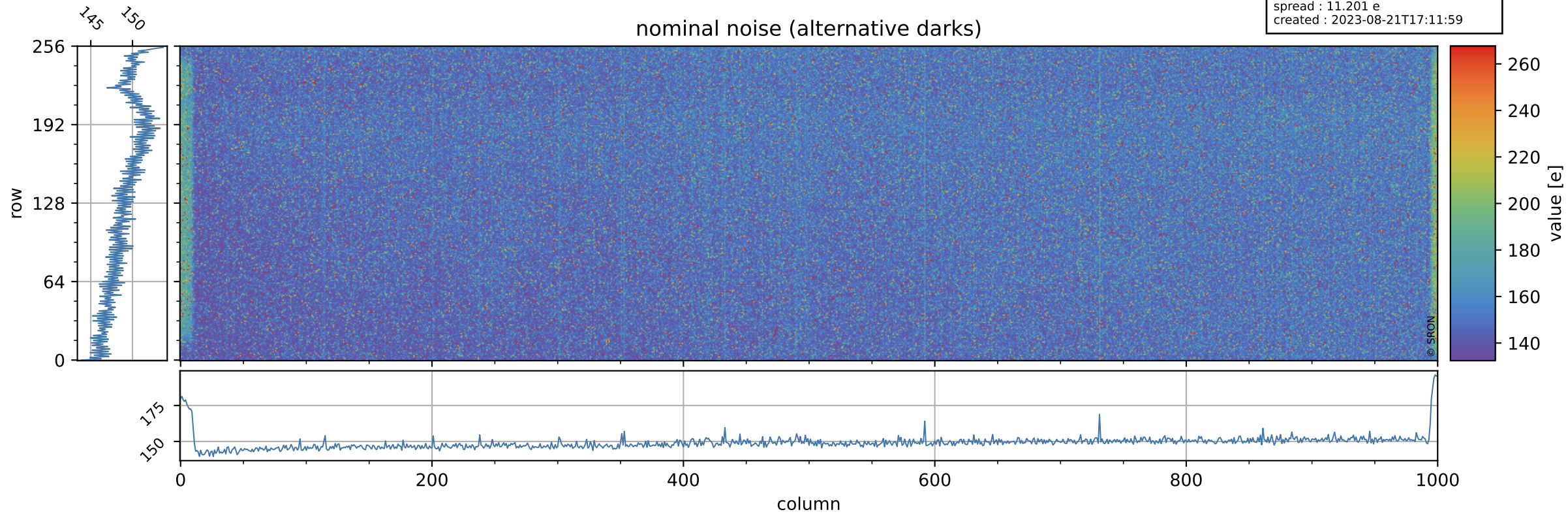


# Tropomi SWIR background noise (swir)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.94 e  
spread : 11.201 e  
created : 2023-08-21T17:11:59

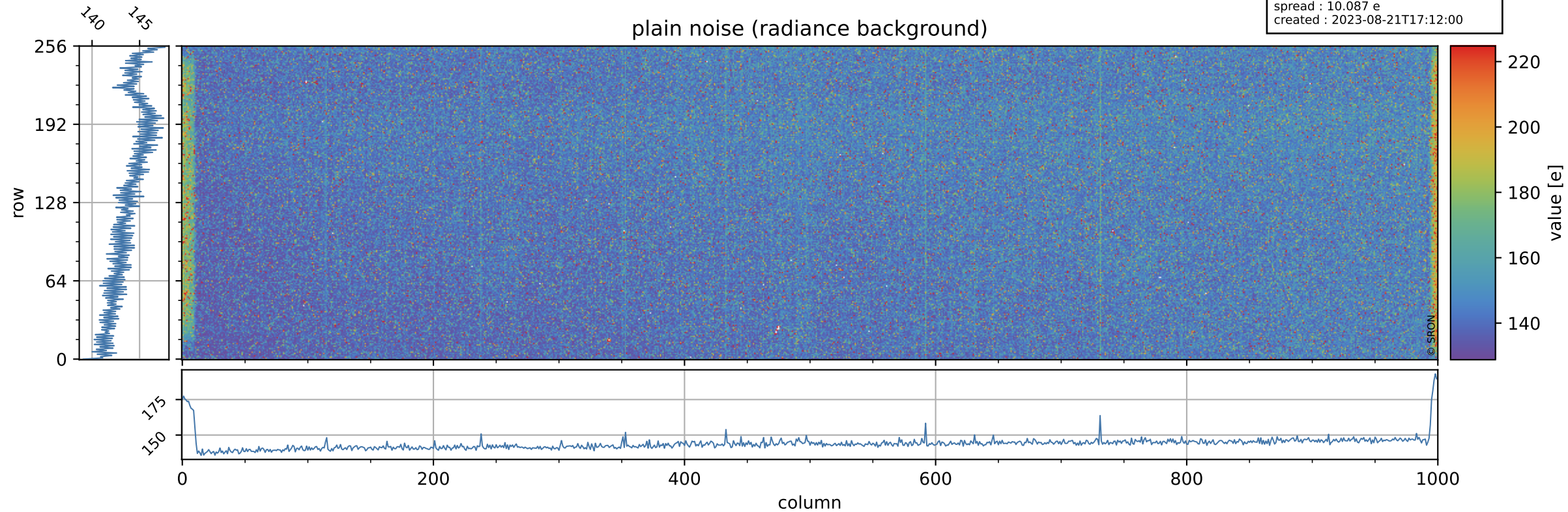
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 10.087 e  
created : 2023-08-21T17:12:00

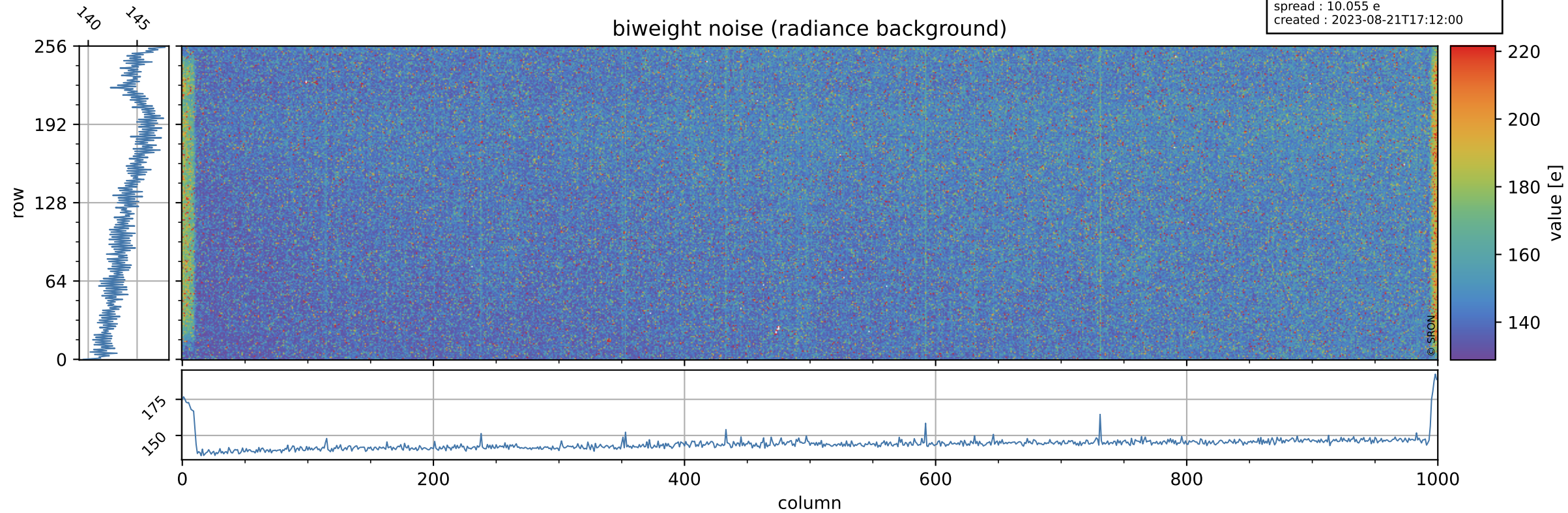
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.98 e  
spread : 10.055 e  
created : 2023-08-21T17:12:00

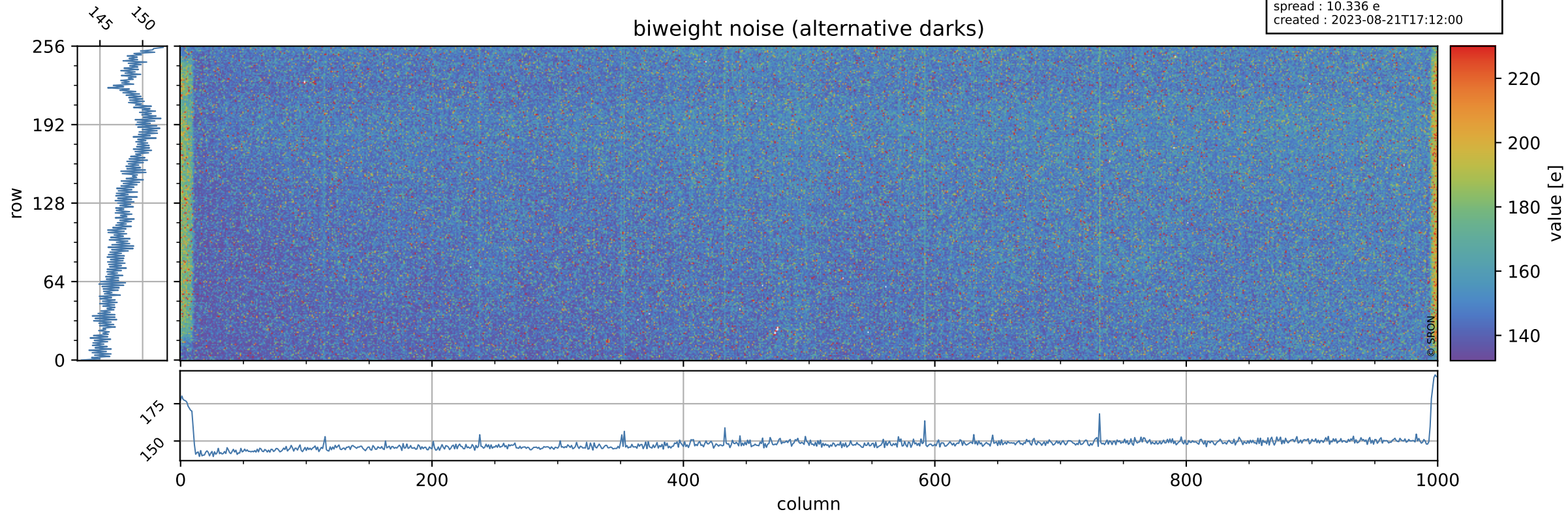
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.9 e  
spread : 10.336 e  
created : 2023-08-21T17:12:00

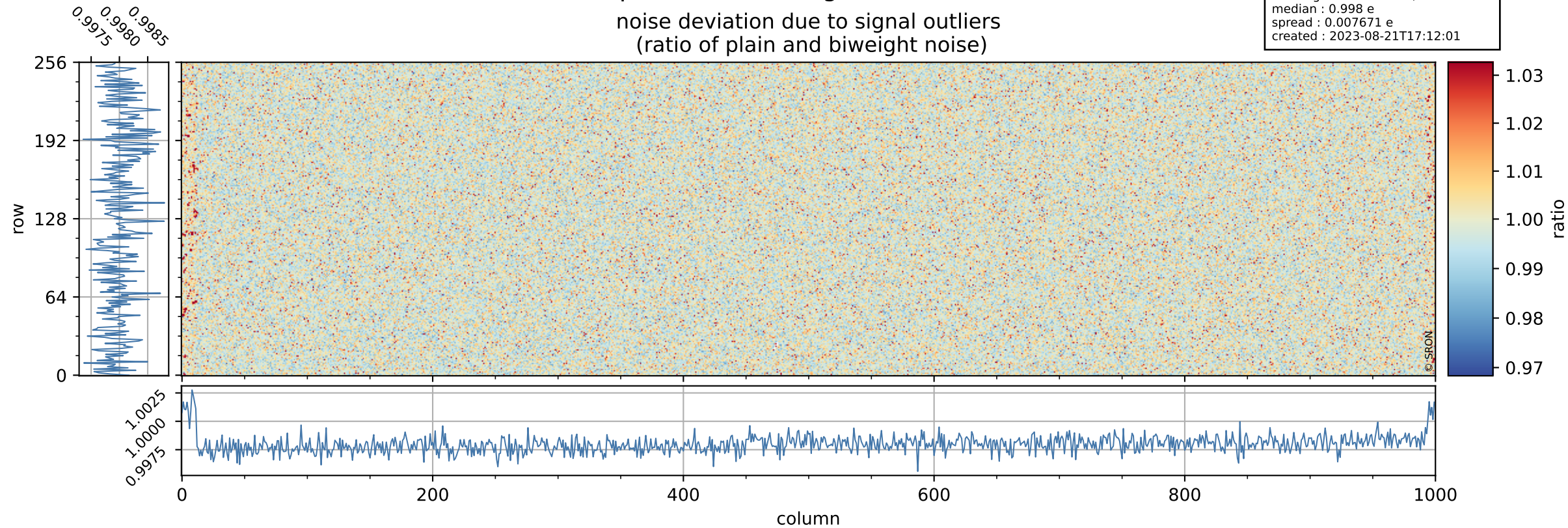
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

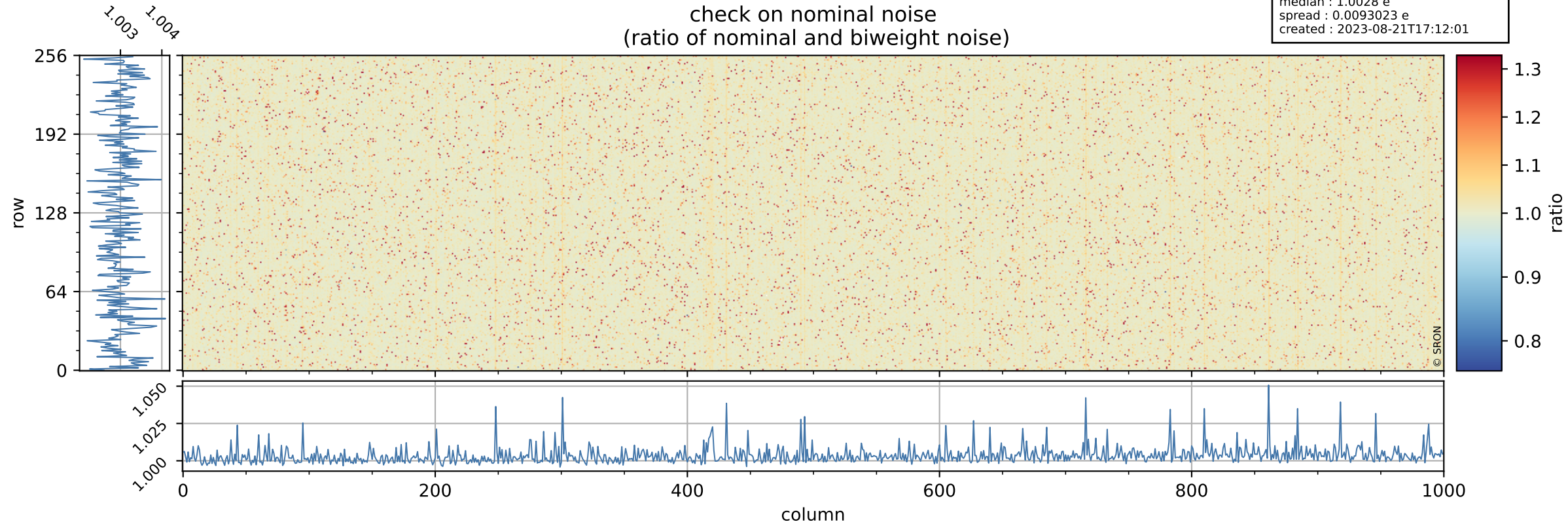
orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
median : 0.998 e  
spread : 0.007671 e  
created : 2023-08-21T17:12:01



# Tropomi SWIR background noise (swir)

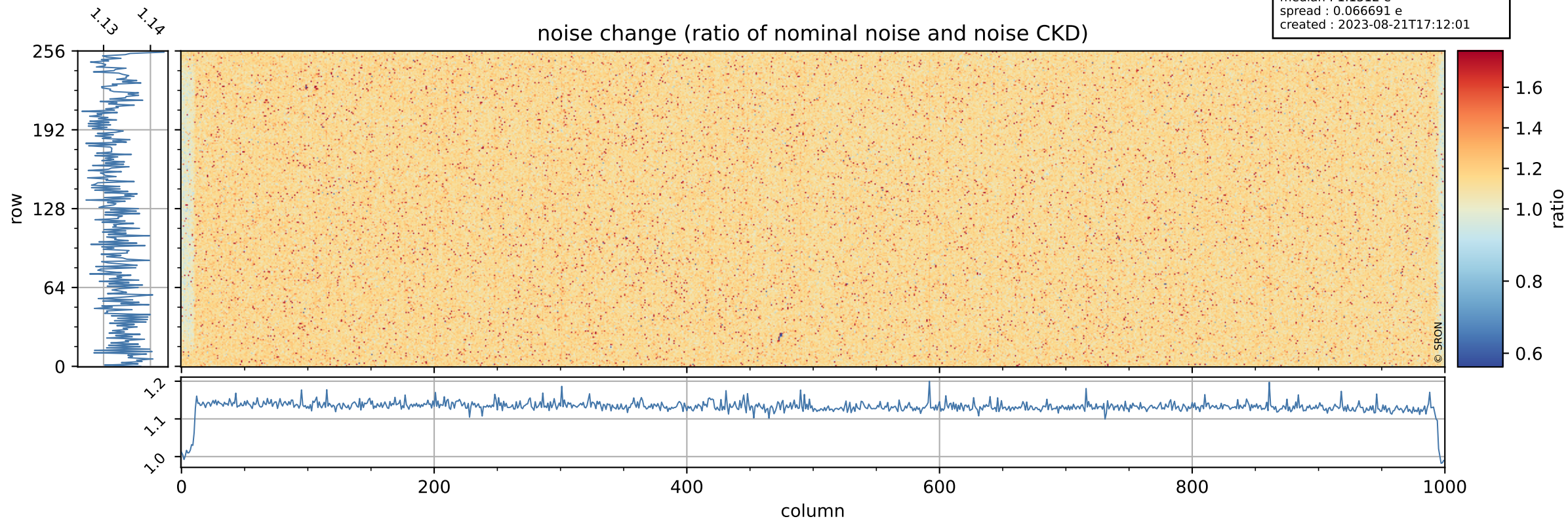
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
median : 1.0028 e  
spread : 0.0093023 e  
created : 2023-08-21T17:12:01



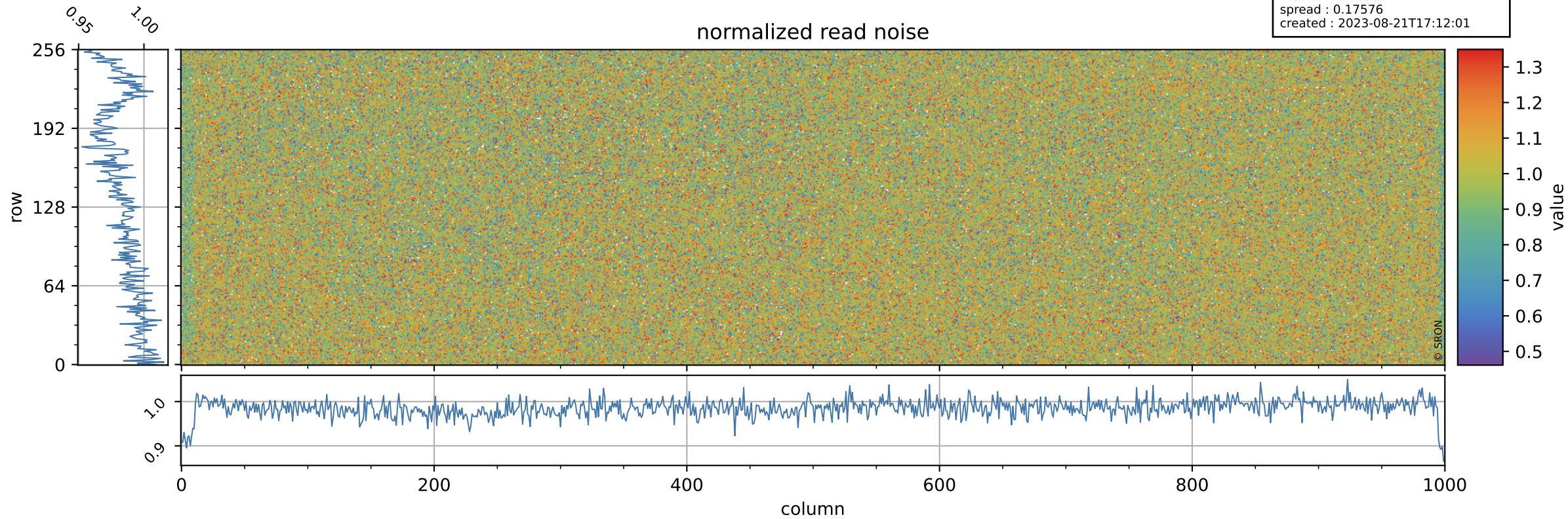
# Tropomi SWIR background noise (swir)

orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
median : 1.1312 e  
spread : 0.066691 e  
created : 2023-08-21T17:12:01



# Tropomi SWIR background noise (swir)

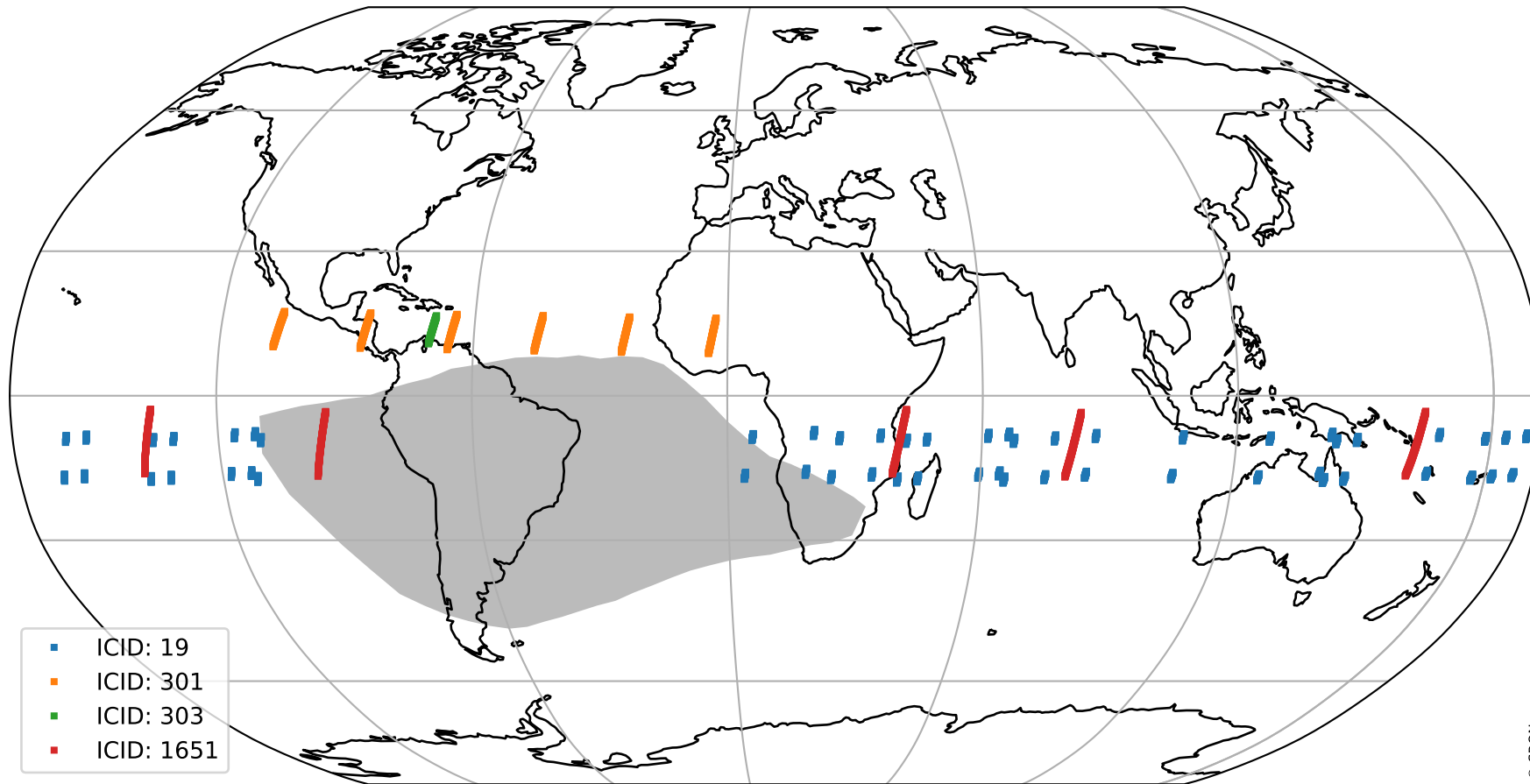
orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
median : 0.98358  
spread : 0.17576  
created : 2023-08-21T17:12:01





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

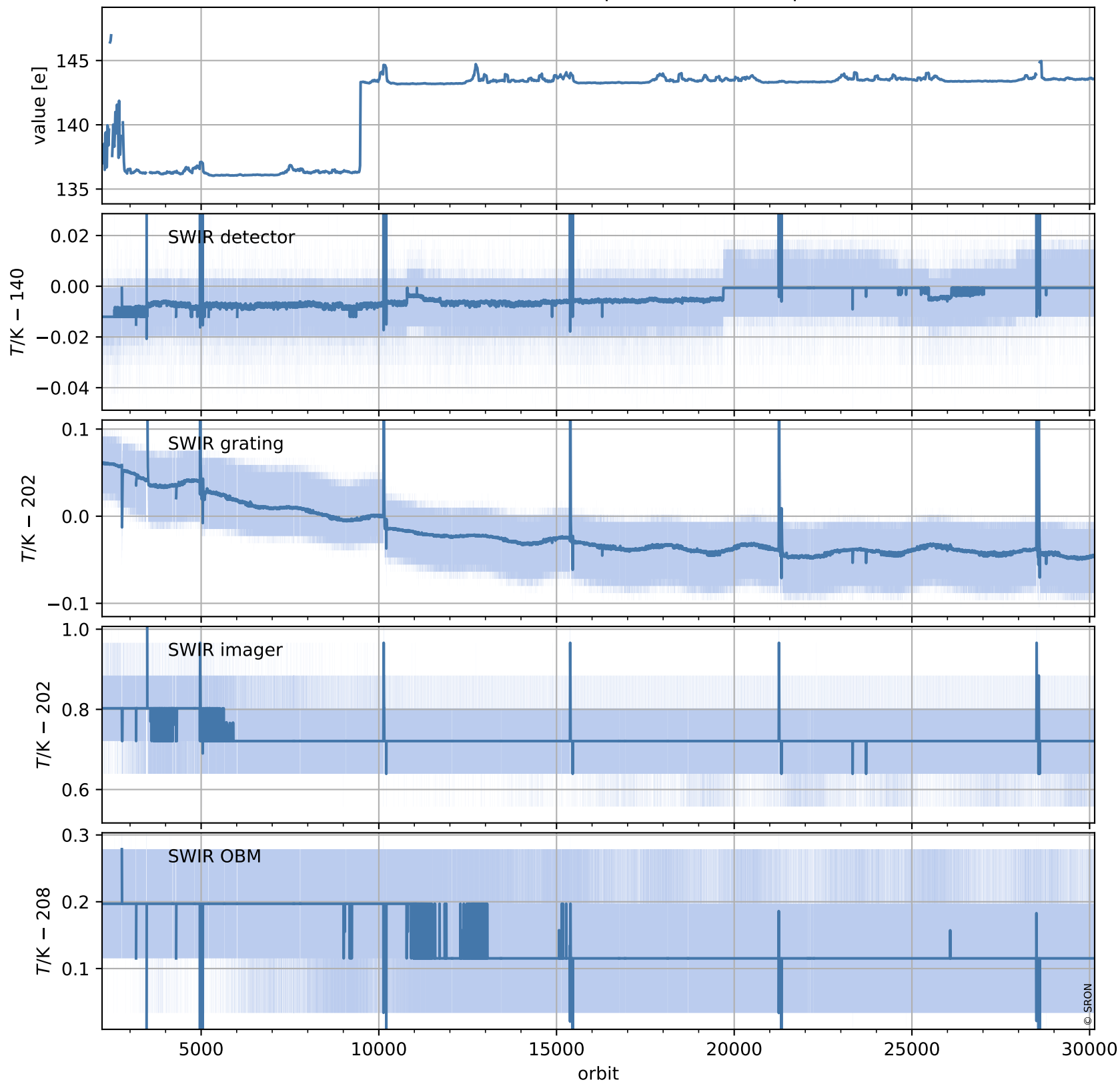
orbits : 12 in [30052, 30142]  
coverage : 2023-08-02 / 2023-08-07  
created : 2023-08-21T17:12:02



# Tropomi SWIR background noise (swir)

orbits : [2212, 30142]  
coverage : 2018-03-18 / 2023-08-07  
created : 2023-08-21T17:12:02

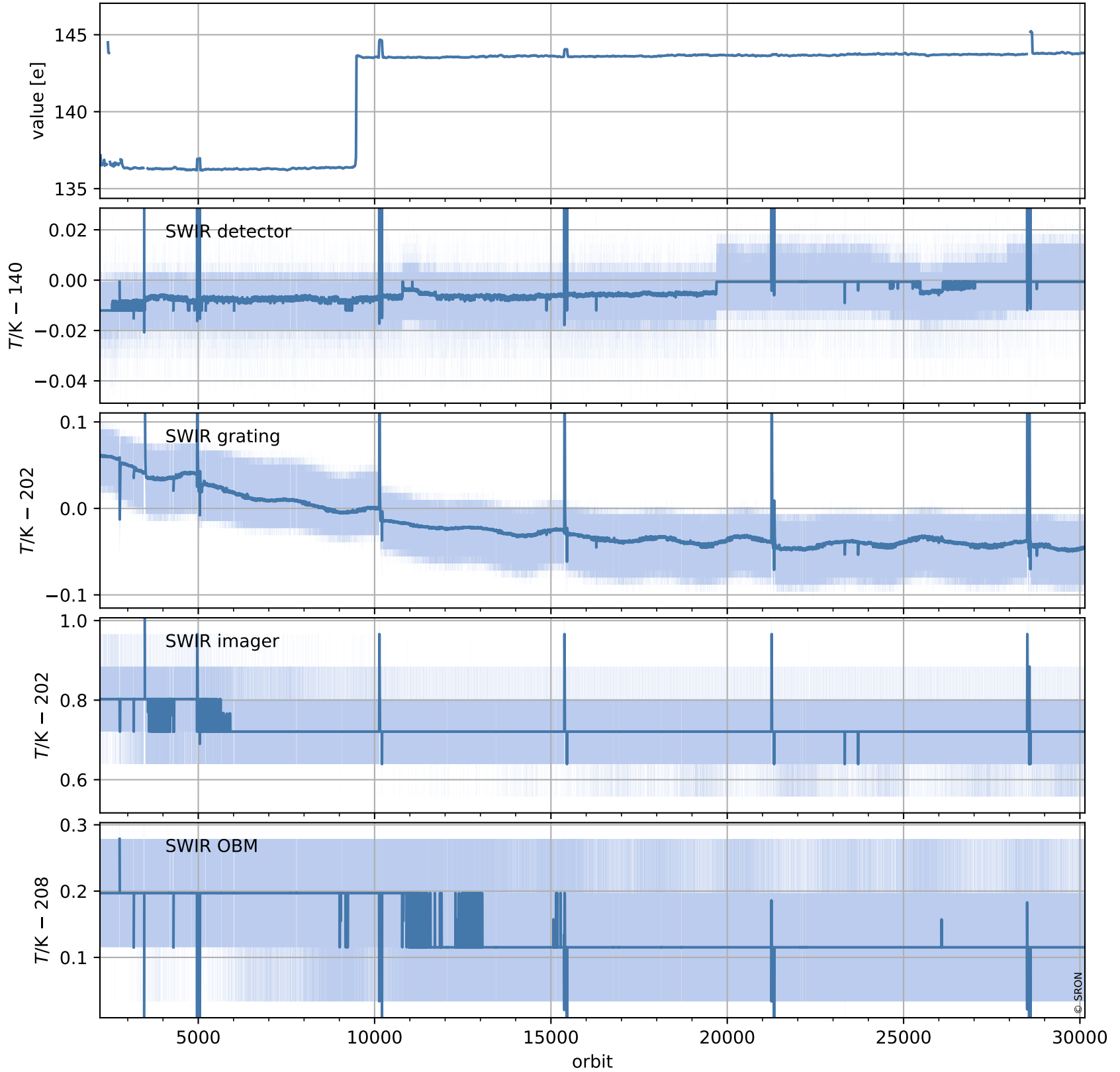
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30142]  
coverage : 2018-03-18 / 2023-08-07  
created : 2023-08-21T17:12:03

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30142]  
coverage : 2018-03-18 / 2023-08-07  
created : 2023-08-21T17:12:04

## trend of normalized read-noise & temperatures

