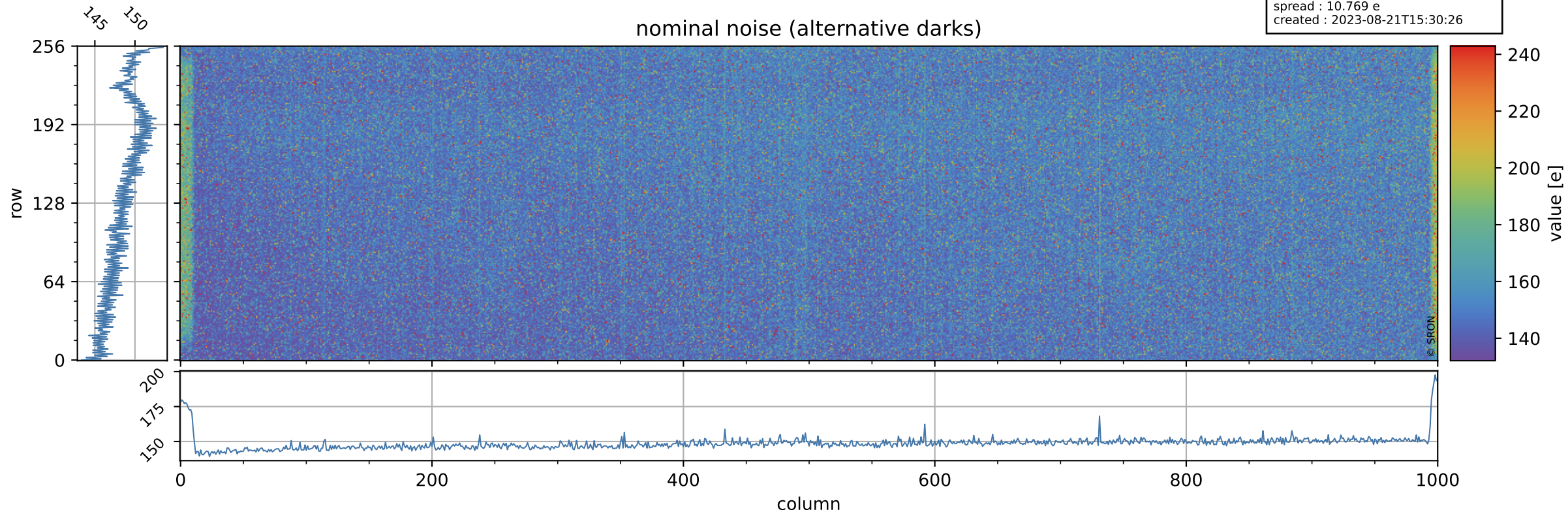


# Tropomi SWIR background noise (swir)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.769 e  
created : 2023-08-21T15:30:26

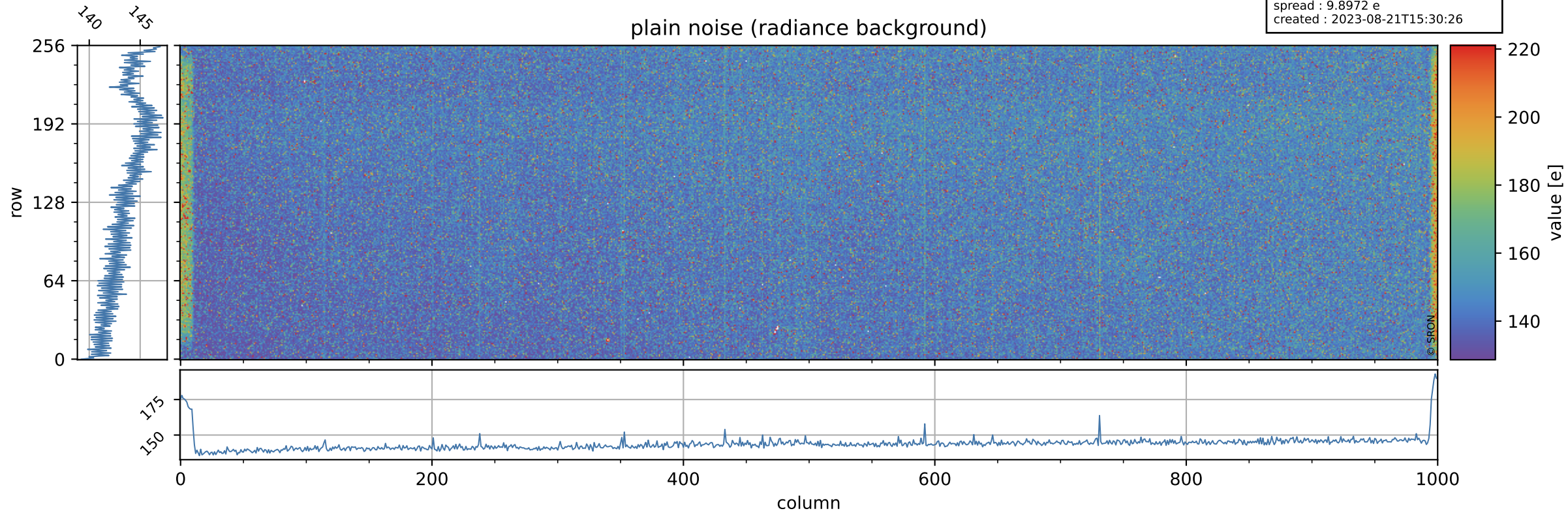
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.47 e  
spread : 9.8972 e  
created : 2023-08-21T15:30:26

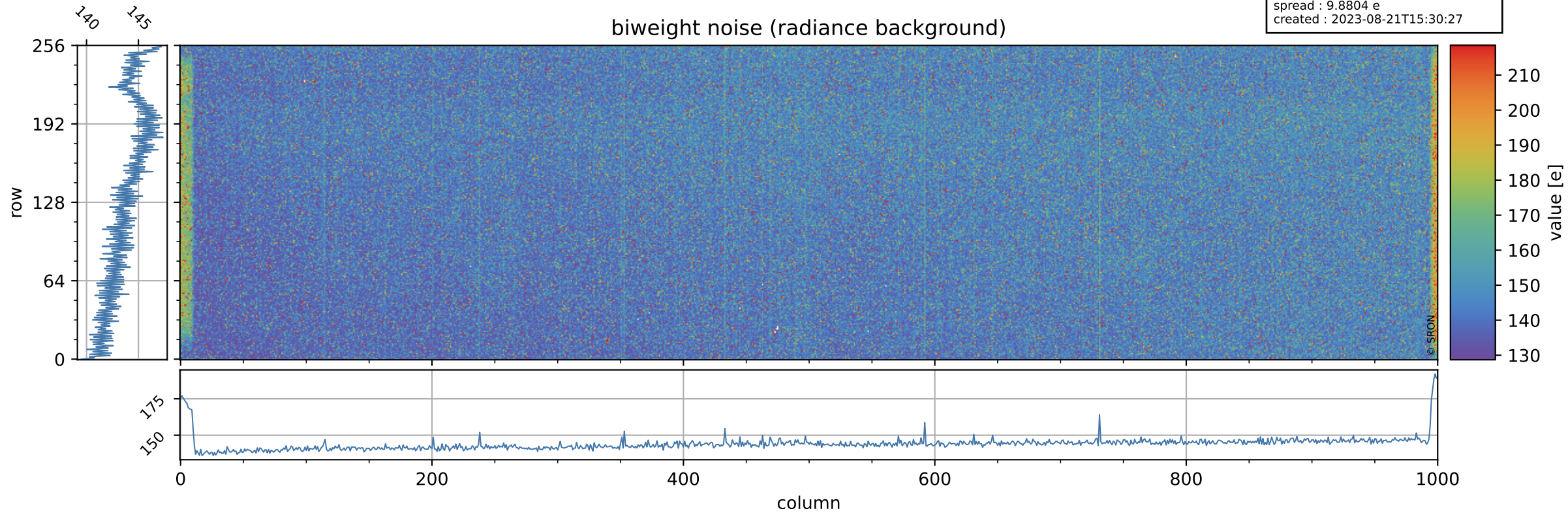
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.8804 e  
created : 2023-08-21T15:30:27

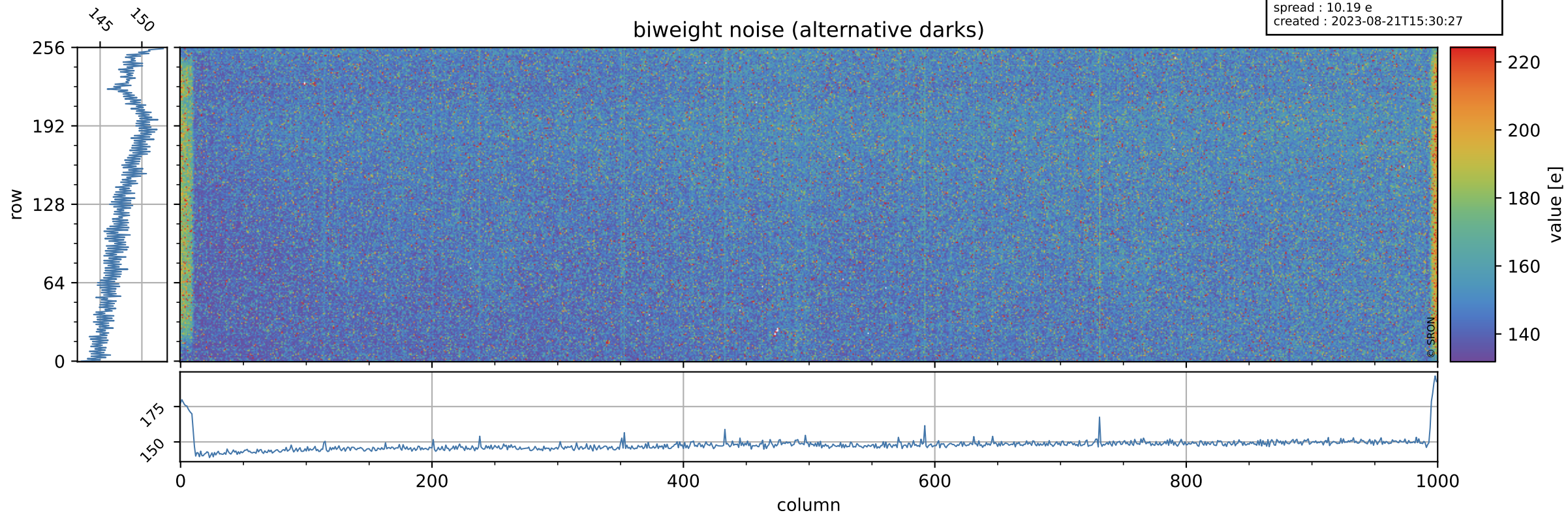
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.19 e  
created : 2023-08-21T15:30:27

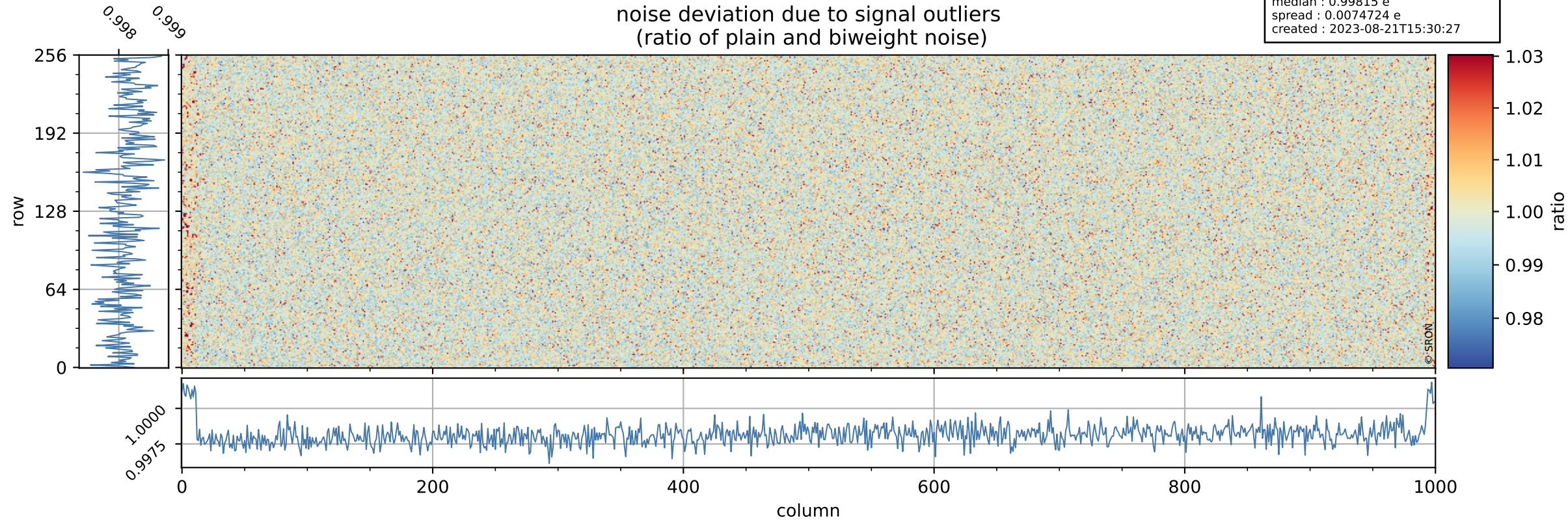
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

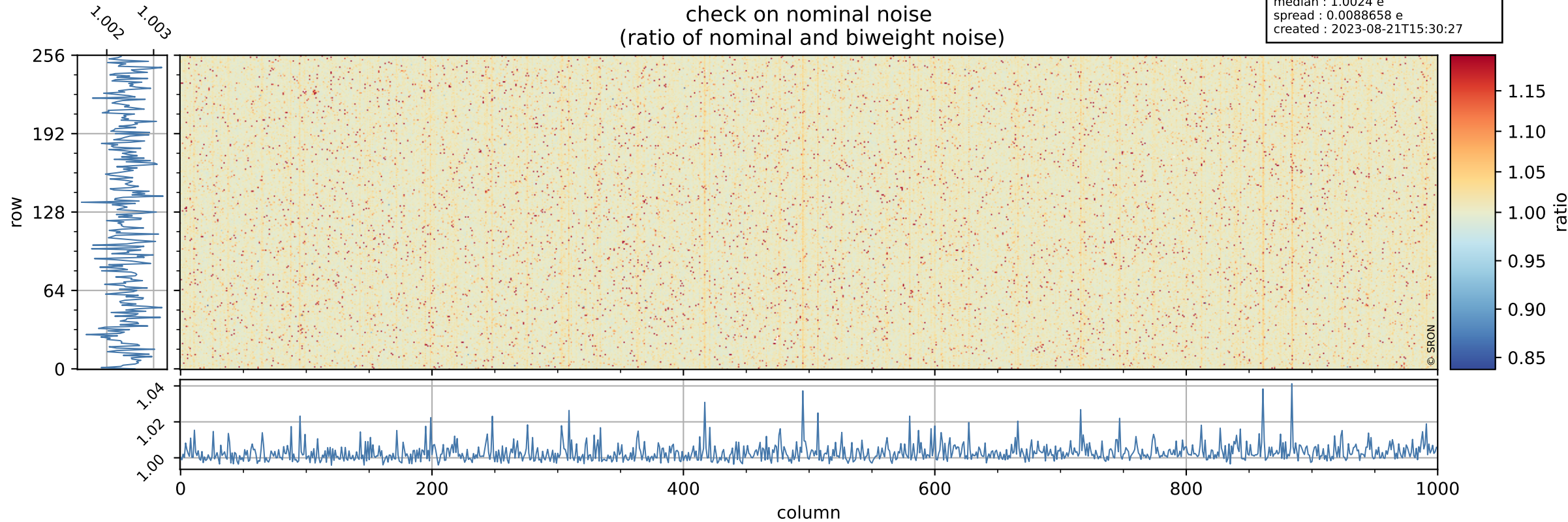
orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
median : 0.99815 e  
spread : 0.0074724 e  
created : 2023-08-21T15:30:27



# Tropomi SWIR background noise (swir)

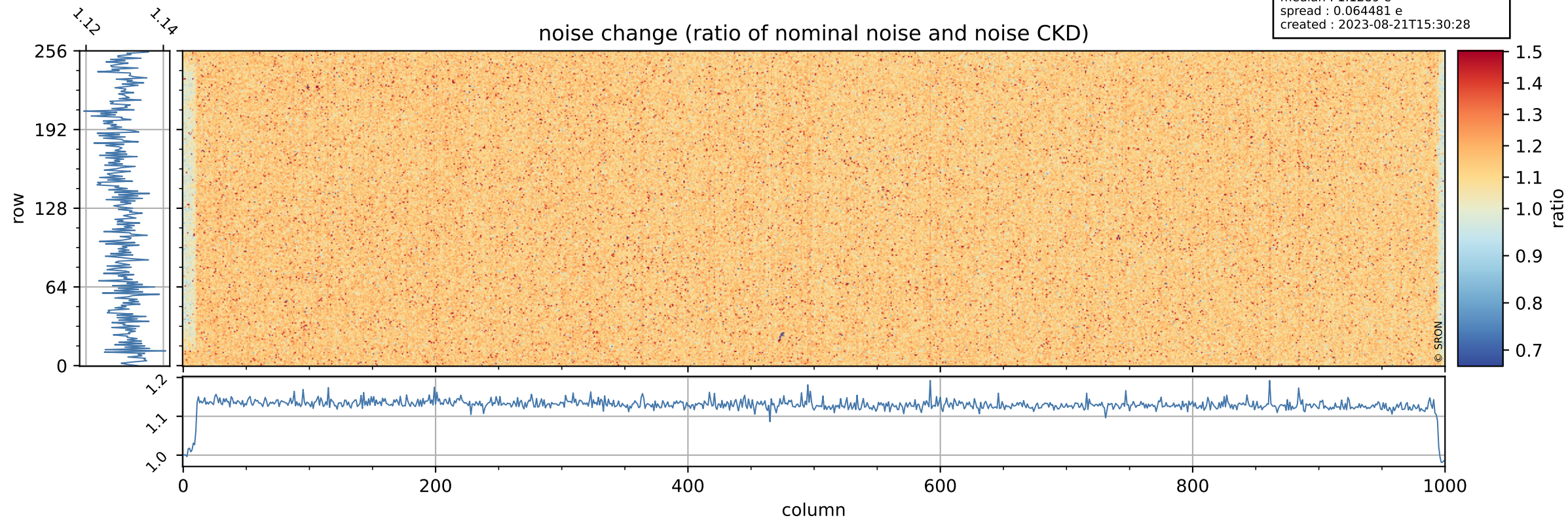
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
median : 1.0024 e  
spread : 0.0088658 e  
created : 2023-08-21T15:30:27



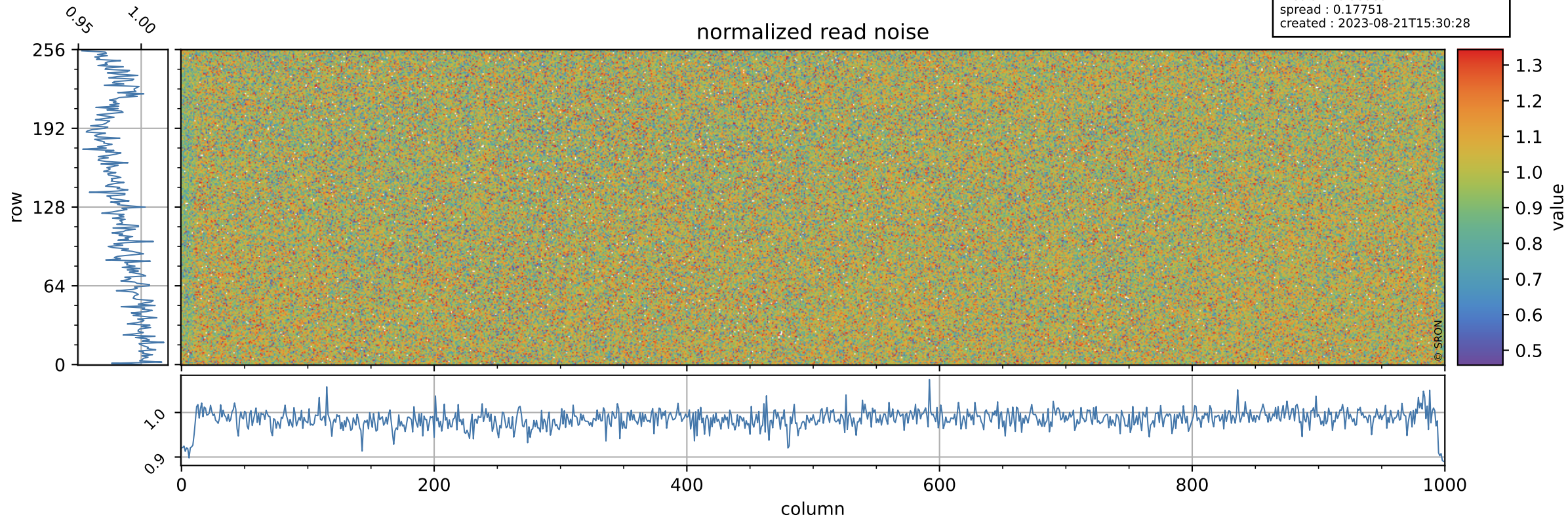
# Tropomi SWIR background noise (swir)

orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
median : 1.1289 e  
spread : 0.064481 e  
created : 2023-08-21T15:30:28



# Tropomi SWIR background noise (swir)

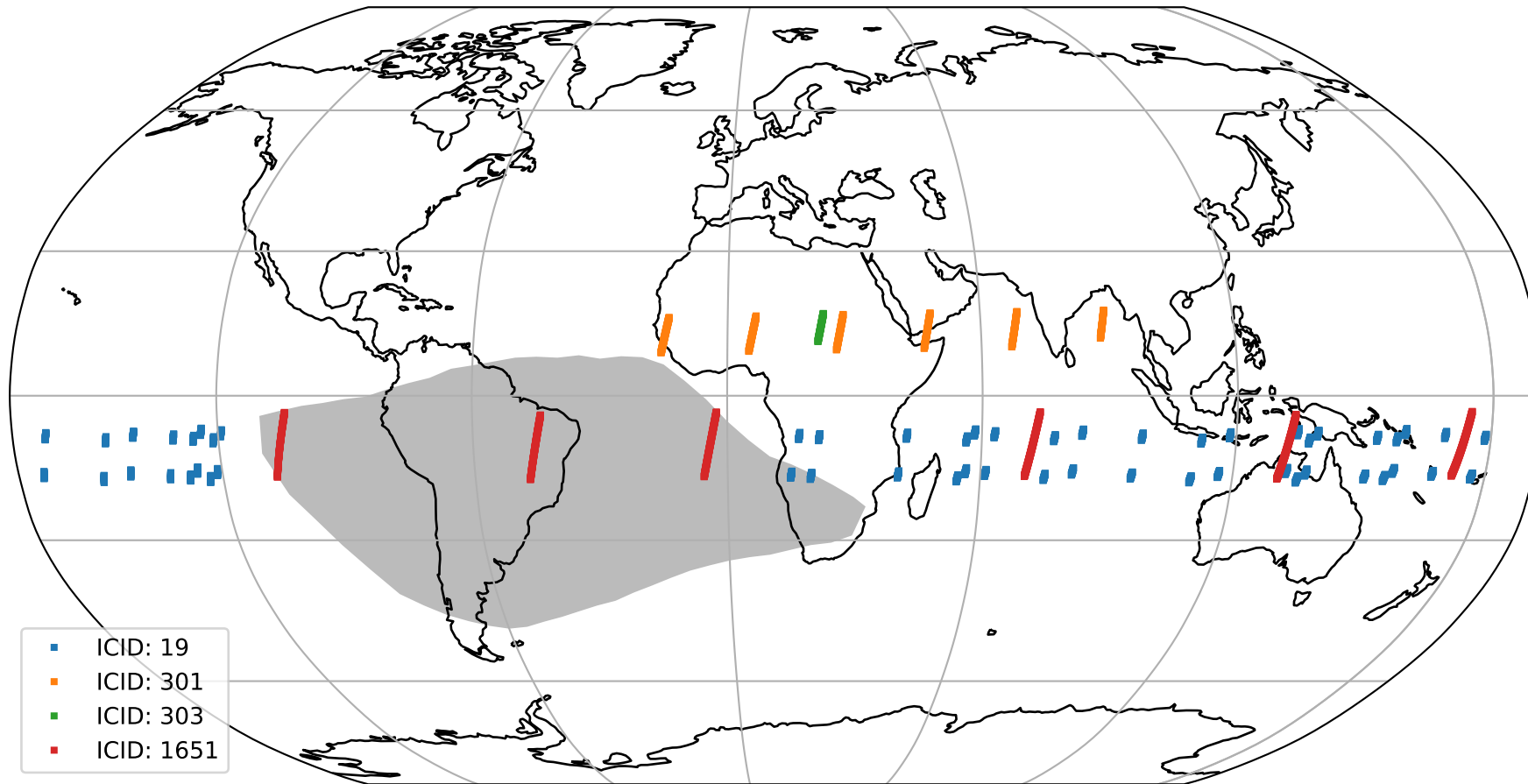
orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
median : 0.98389  
spread : 0.17751  
created : 2023-08-21T15:30:28





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

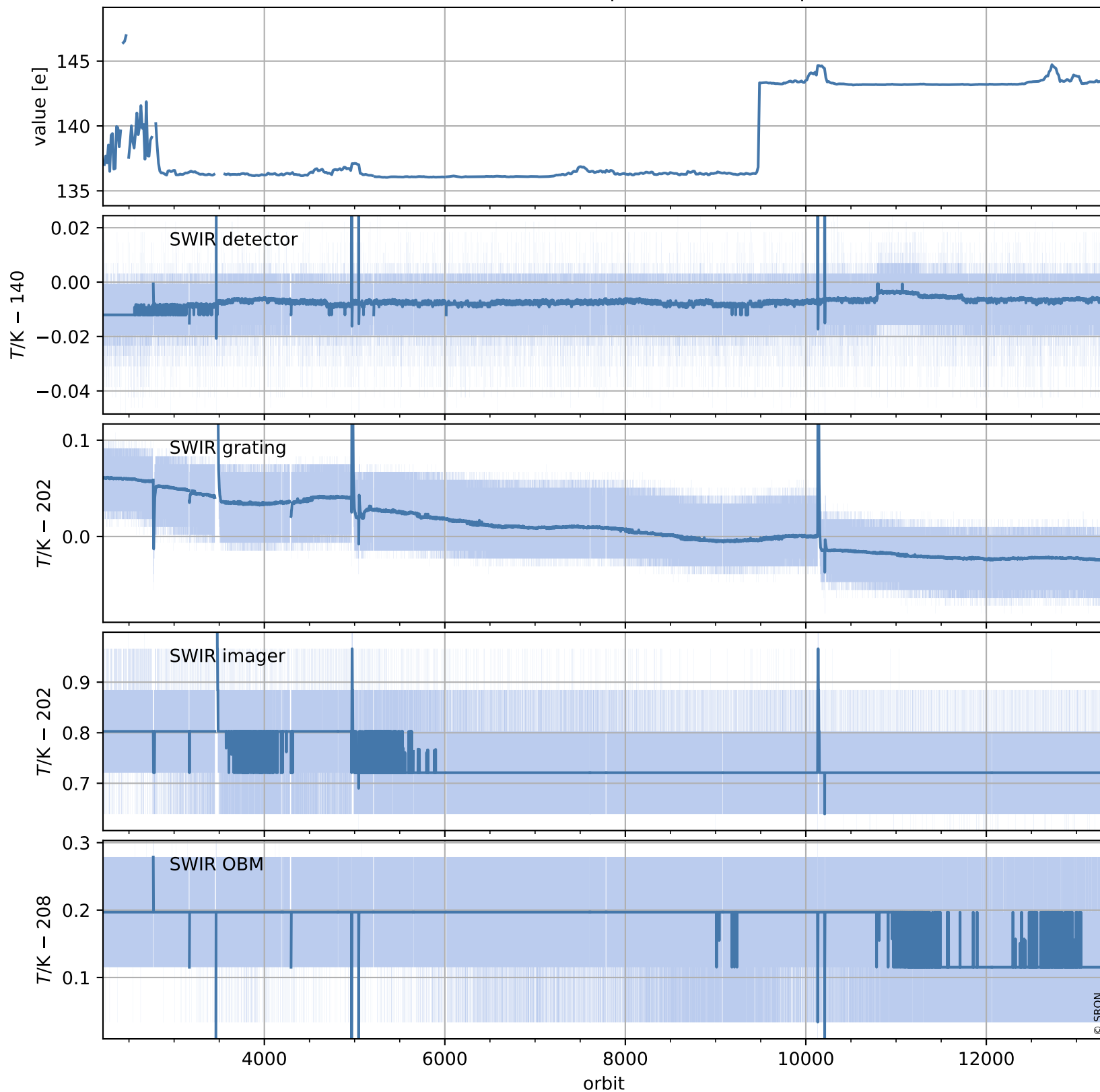
orbits : 13 in [13222, 13312]  
coverage : 2020-05-02 / 2020-05-08  
created : 2023-08-21T15:30:28



# Tropomi SWIR background noise (swir)

orbits : [2212, 13312]  
coverage : 2018-03-18 / 2020-05-08  
created : 2023-08-21T15:30:28

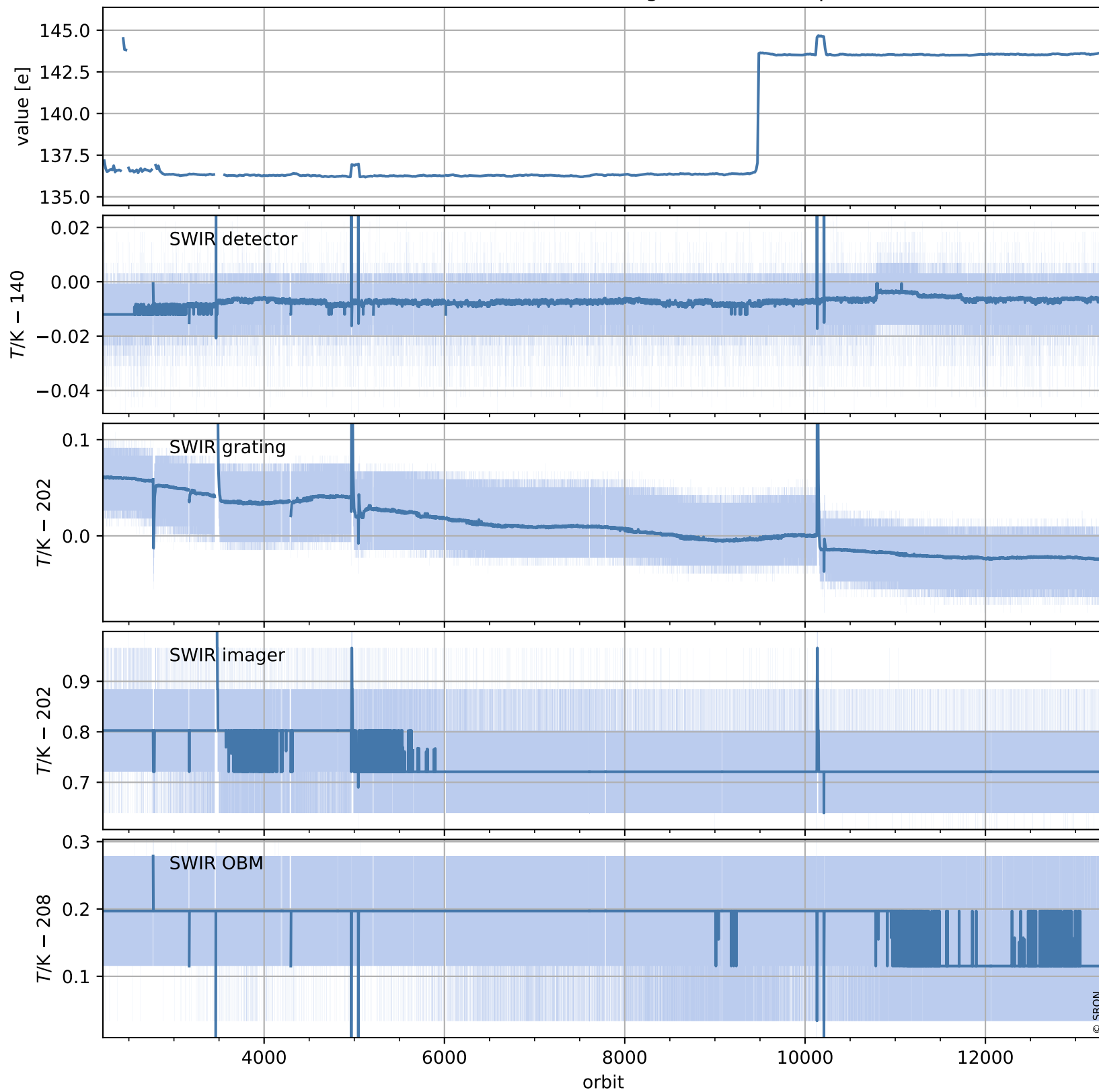
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13312]  
coverage : 2018-03-18 / 2020-05-08  
created : 2023-08-21T15:30:29

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13312]  
coverage : 2018-03-18 / 2020-05-08  
created : 2023-08-21T15:30:30

## trend of normalized read-noise & temperatures

