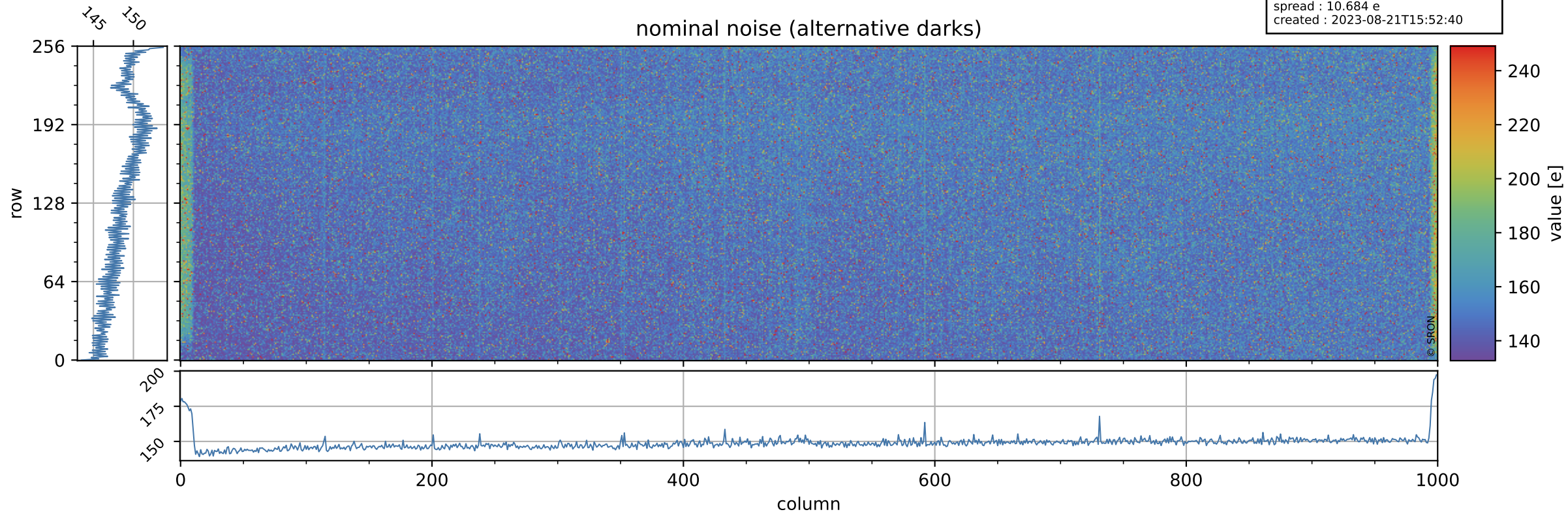


# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.684 e  
created : 2023-08-21T15:52:40

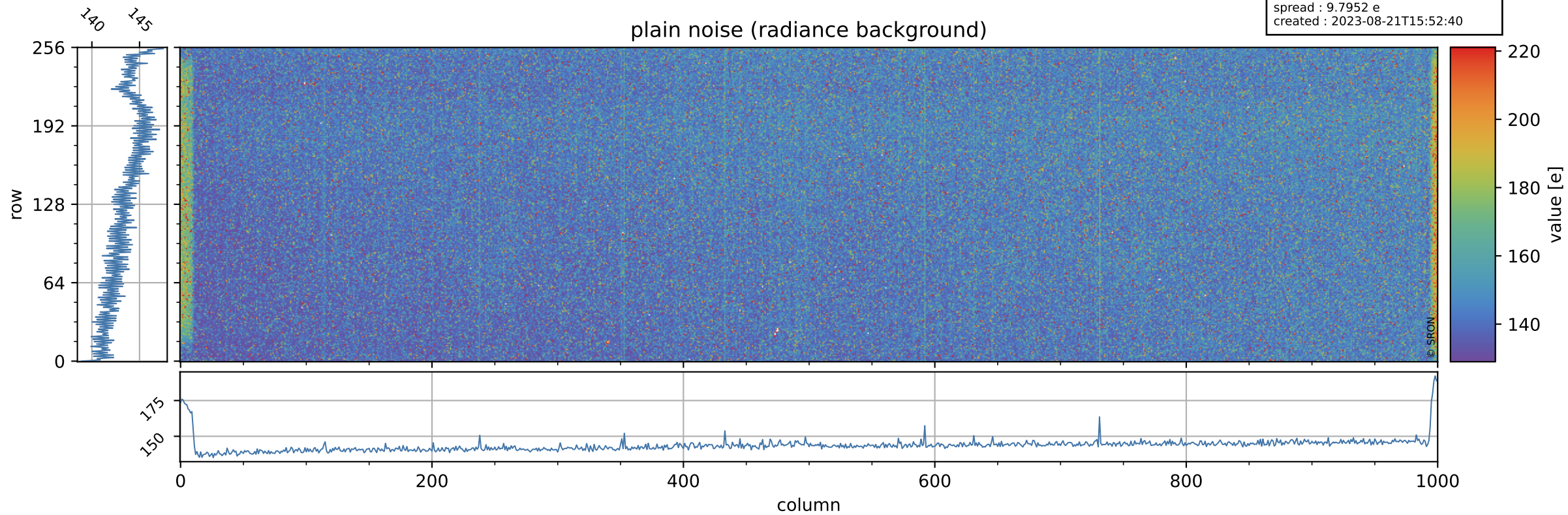
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7952 e  
created : 2023-08-21T15:52:40

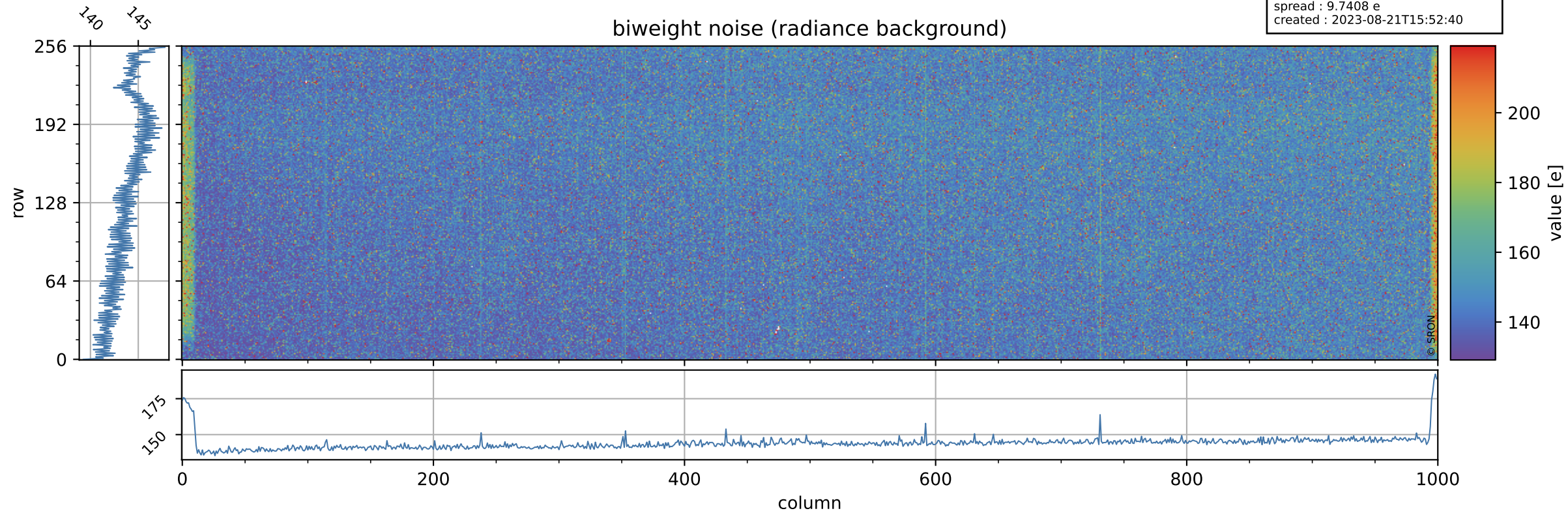
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7408 e  
created : 2023-08-21T15:52:40

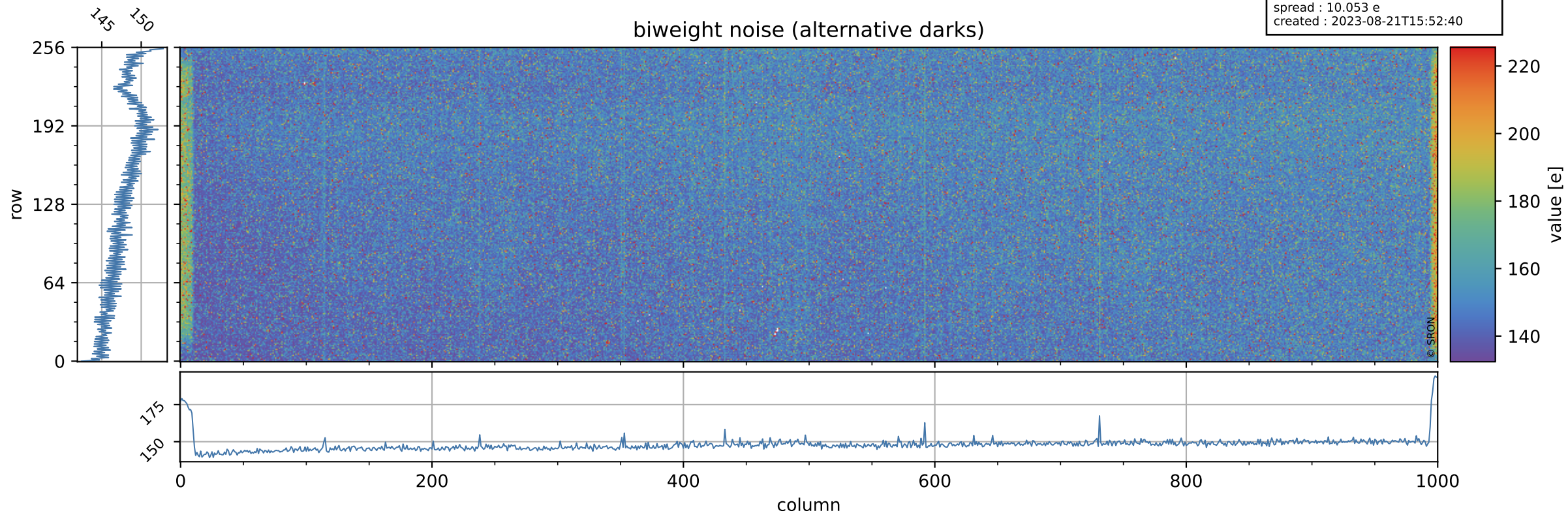
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.053 e  
created : 2023-08-21T15:52:40

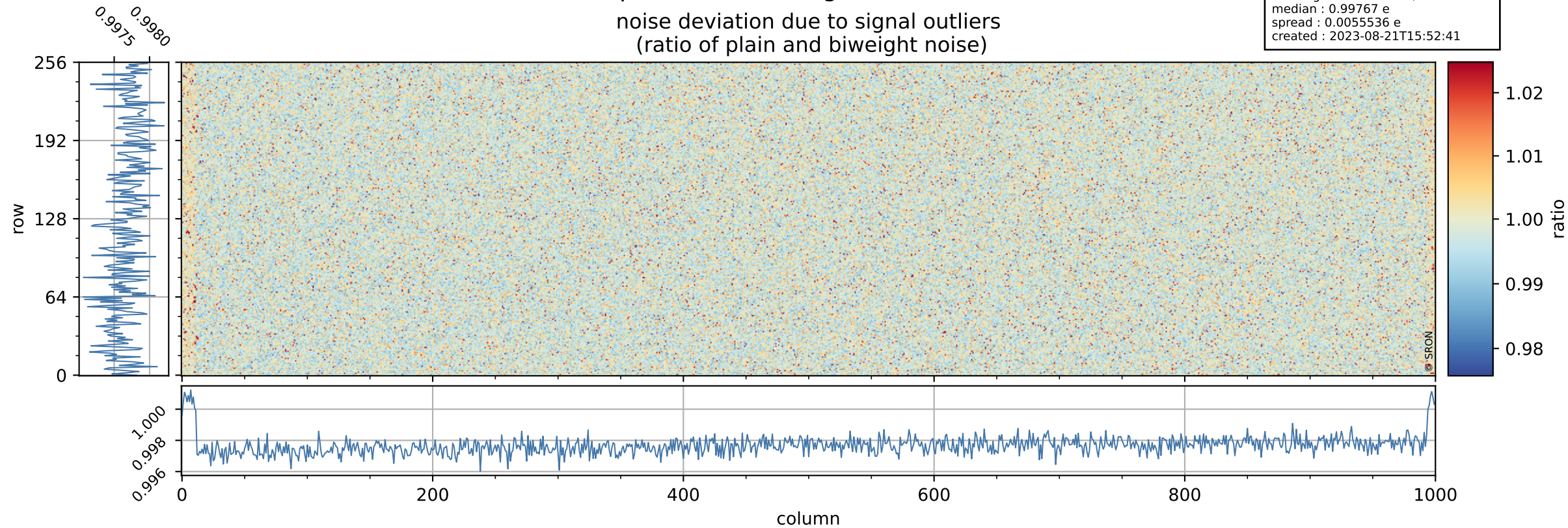
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

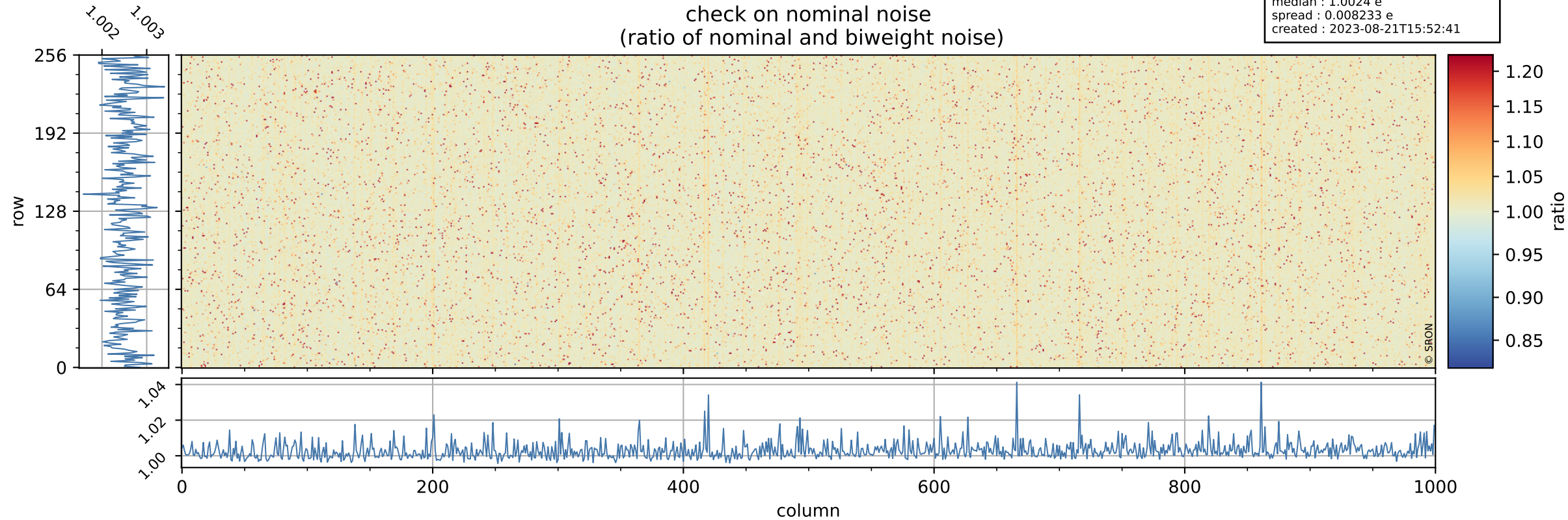
orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
median : 0.99767 e  
spread : 0.0055536 e  
created : 2023-08-21T15:52:41



# Tropomi SWIR background noise (swir)

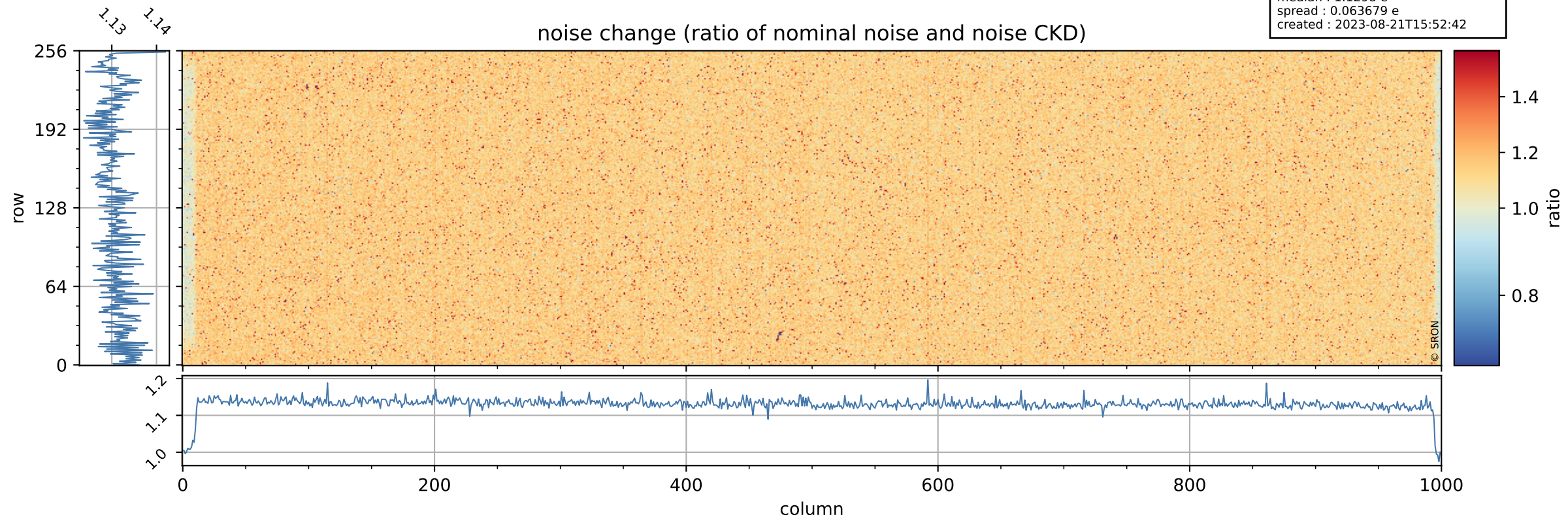
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
median : 1.0024 e  
spread : 0.008233 e  
created : 2023-08-21T15:52:41



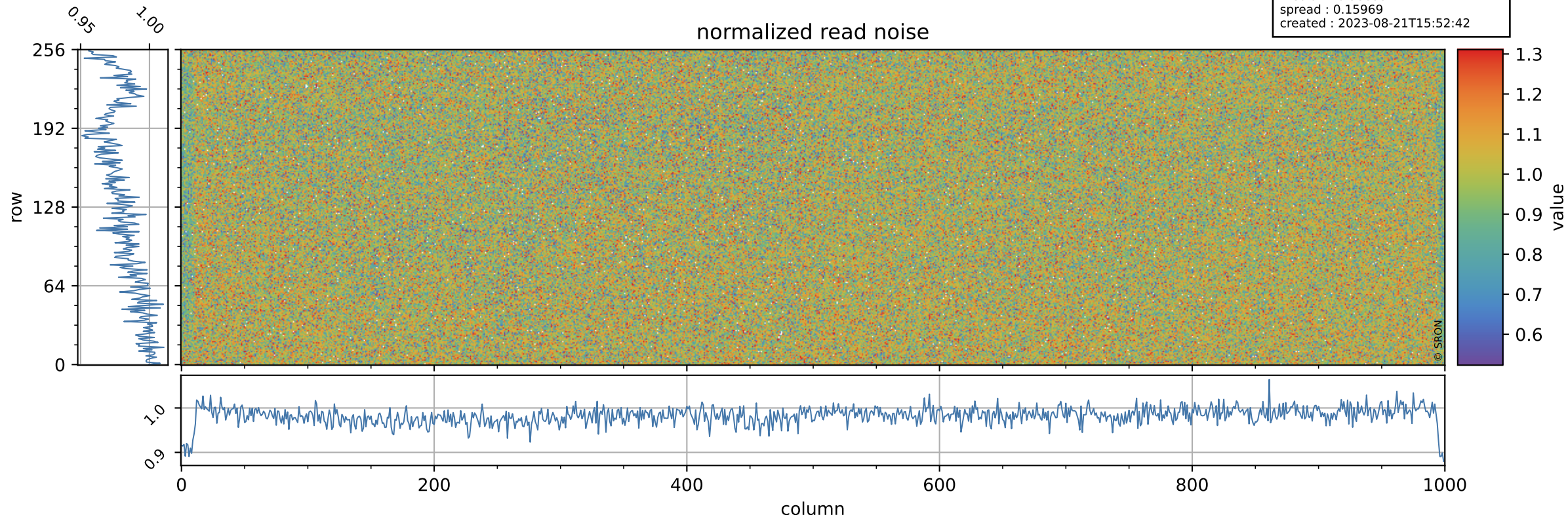
# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
median : 1.1298 e  
spread : 0.063679 e  
created : 2023-08-21T15:52:42



# Tropomi SWIR background noise (swir)

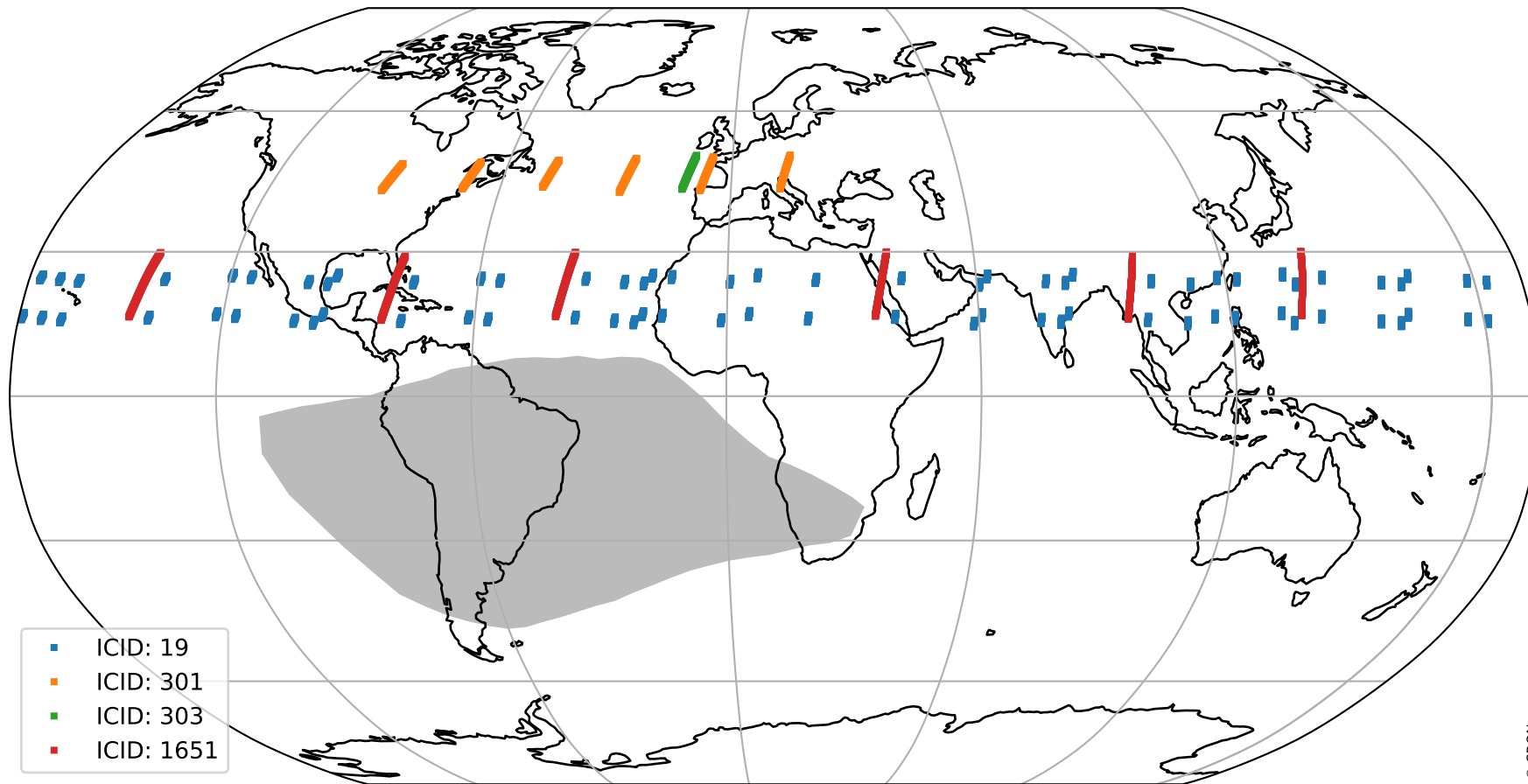
orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
median : 0.98099  
spread : 0.15969  
created : 2023-08-21T15:52:42





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

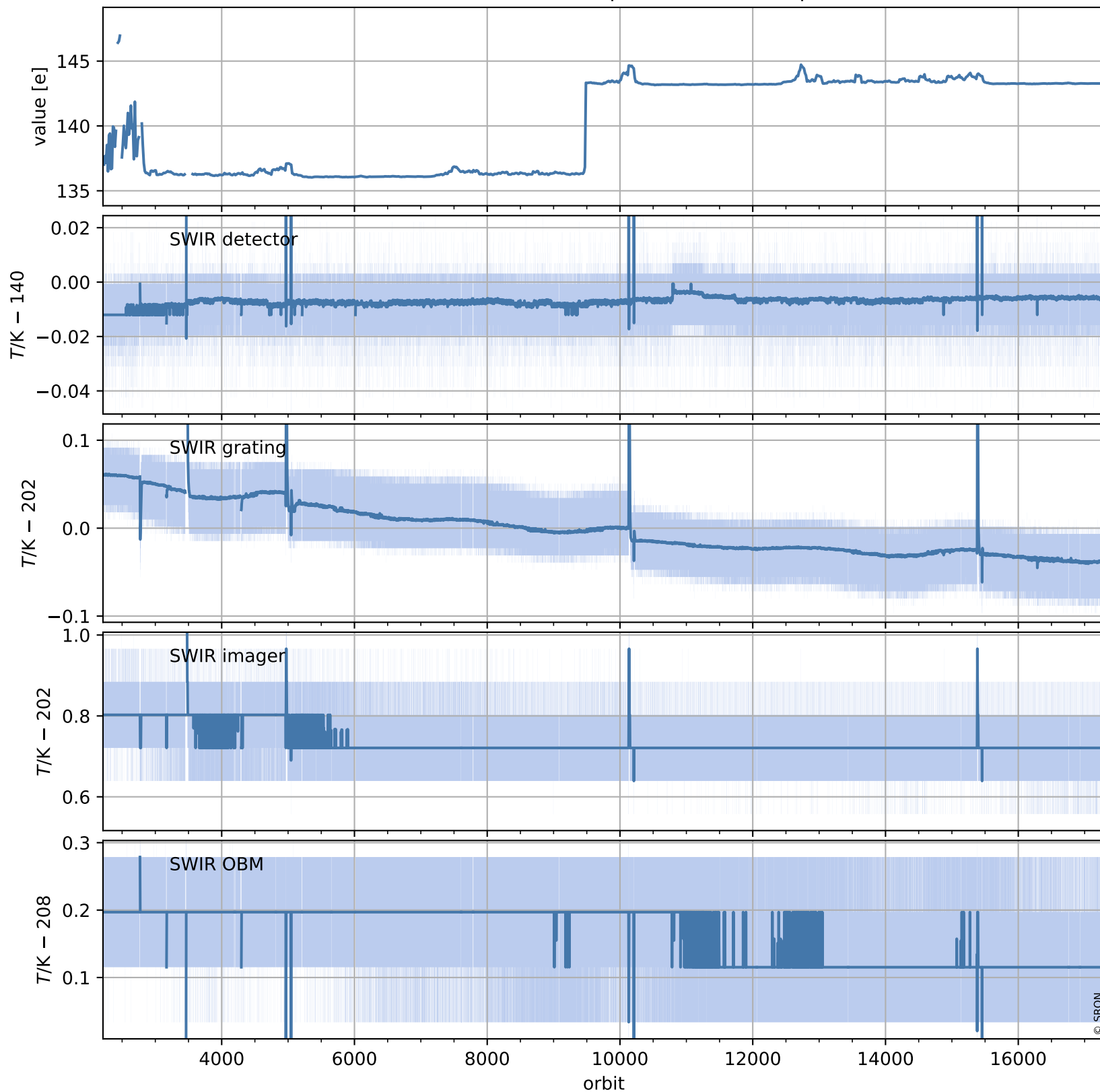
orbits : 13 in [17227, 17302]  
coverage : 2021-02-07 / 2021-02-13  
created : 2023-08-21T15:52:42



# Tropomi SWIR background noise (swir)

orbits : [2212, 17302]  
coverage : 2018-03-18 / 2021-02-13  
created : 2023-08-21T15:52:42

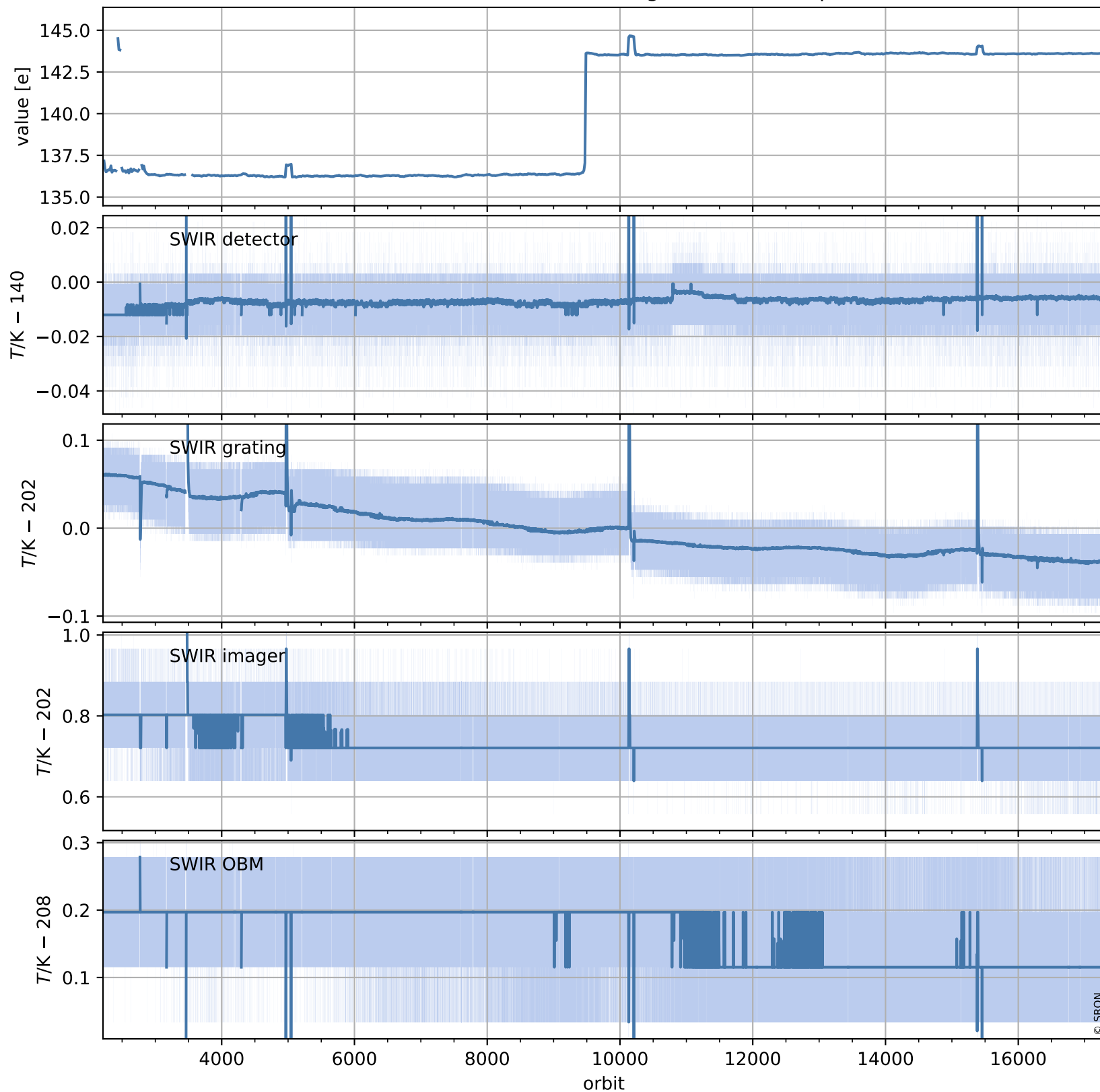
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17302]  
coverage : 2018-03-18 / 2021-02-13  
created : 2023-08-21T15:52:43

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17302]  
coverage : 2018-03-18 / 2021-02-13  
created : 2023-08-21T15:52:44

## trend of normalized read-noise & temperatures

