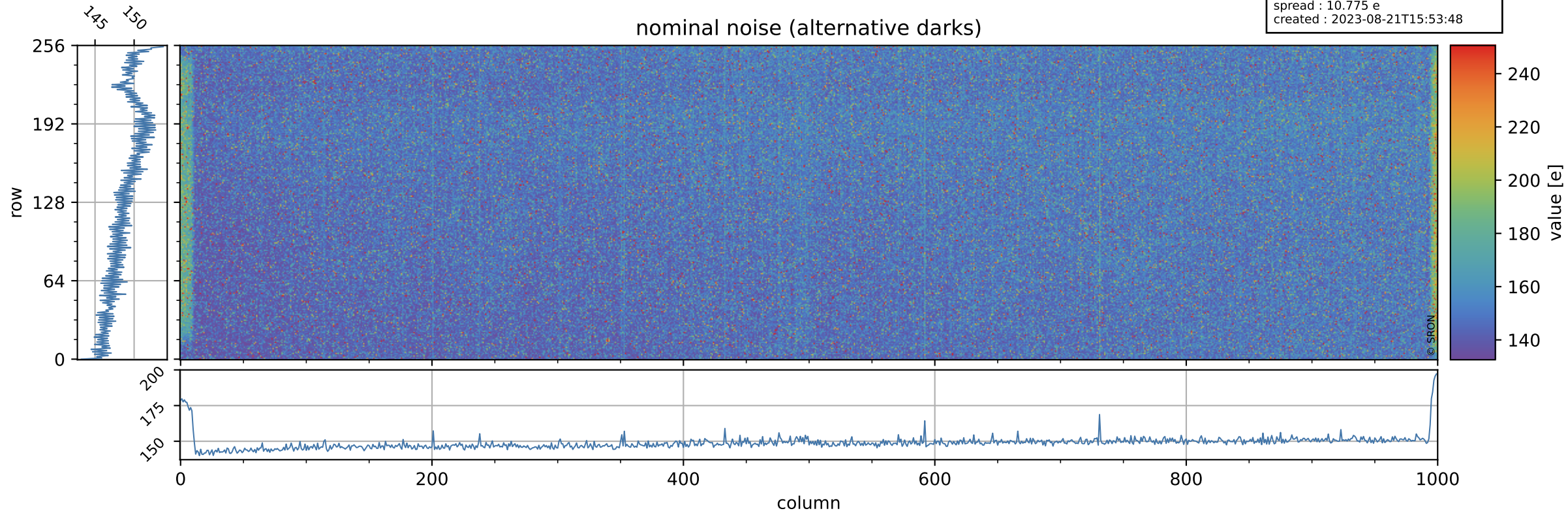


# Tropomi SWIR background noise (swir)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.775 e  
created : 2023-08-21T15:53:48

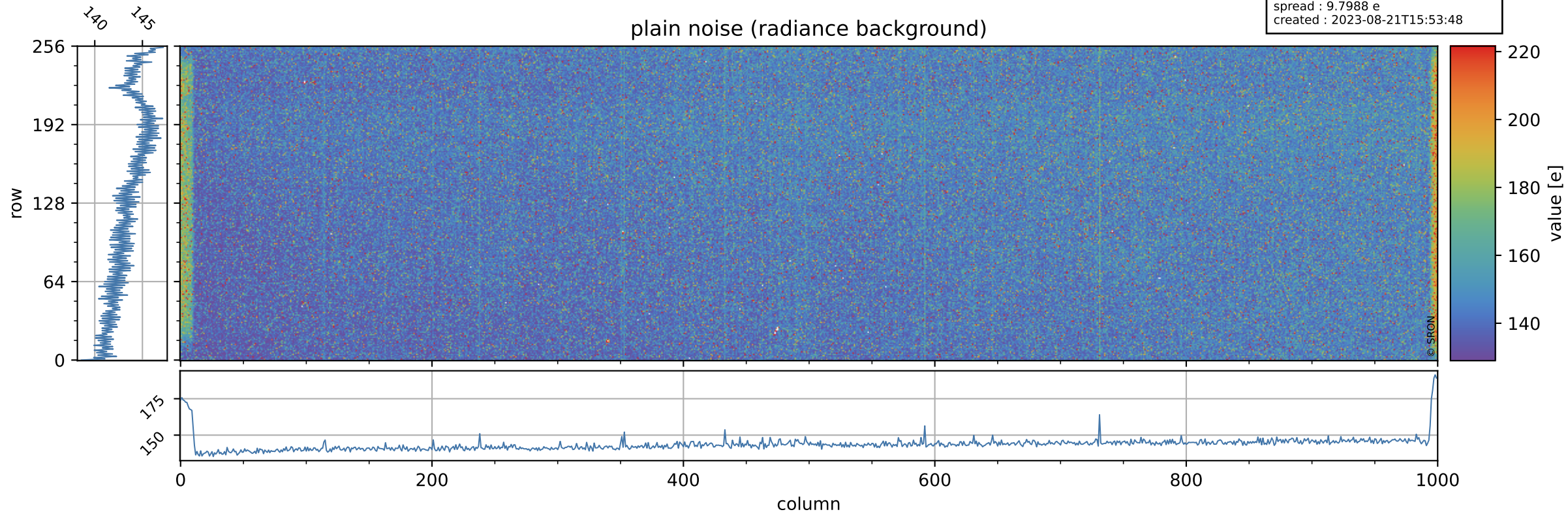
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.43 e  
spread : 9.7988 e  
created : 2023-08-21T15:53:48

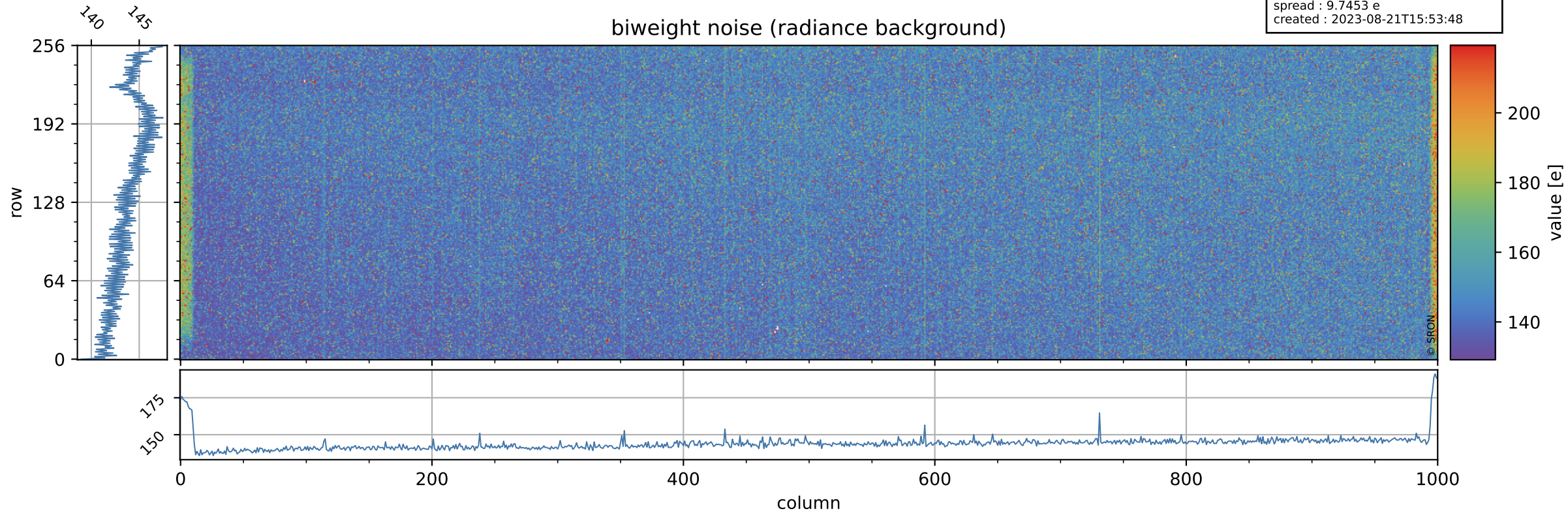
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.7453 e  
created : 2023-08-21T15:53:48

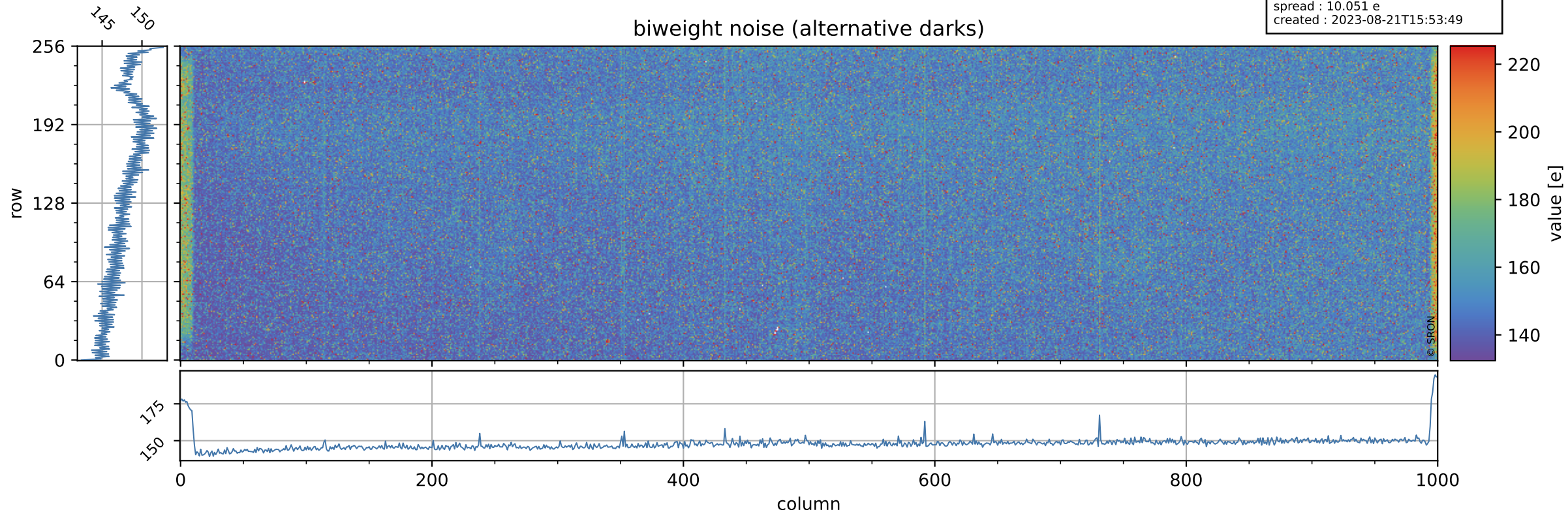
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.051 e  
created : 2023-08-21T15:53:49

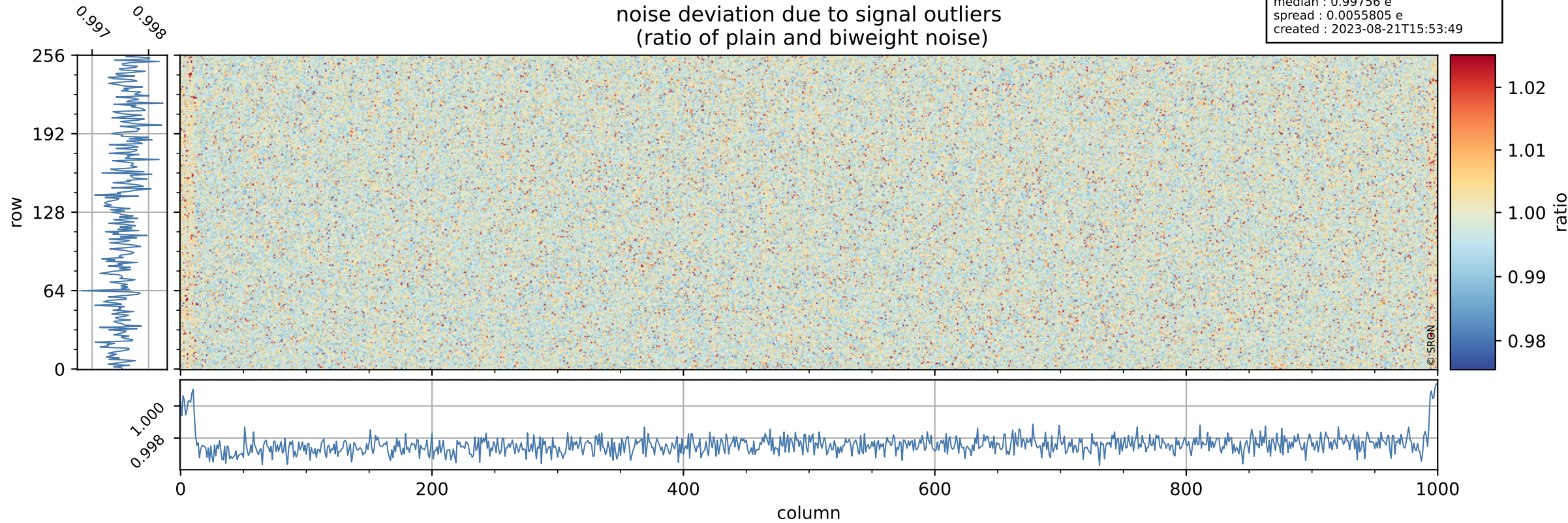
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

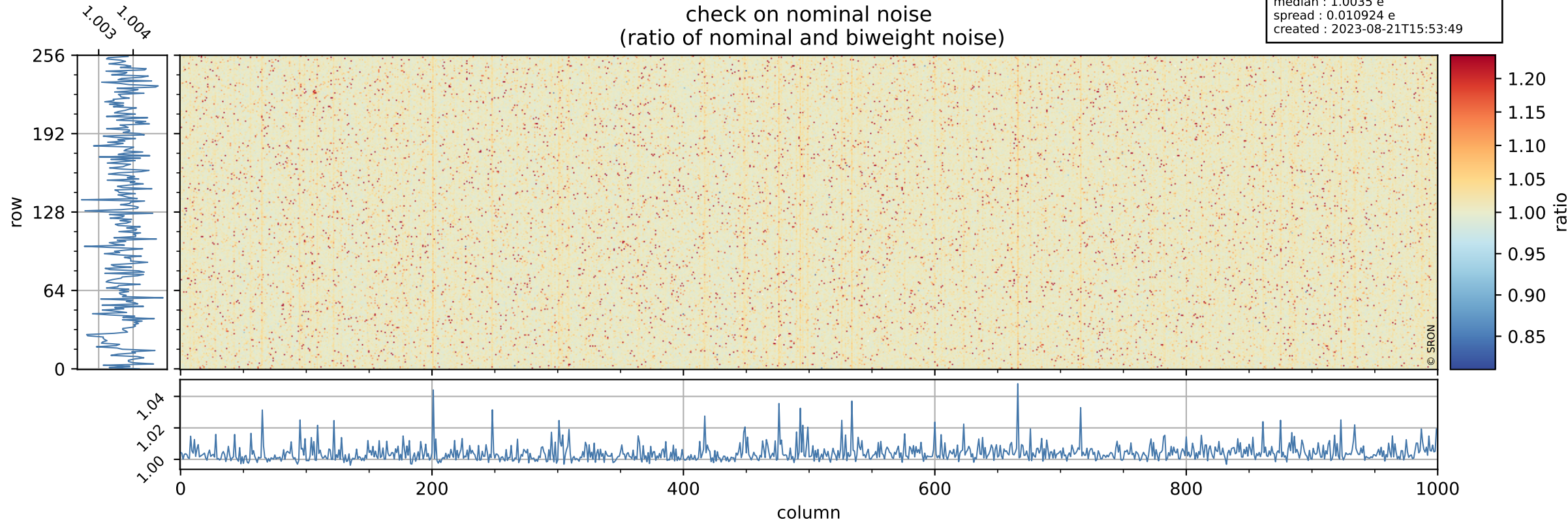
orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
median : 0.99756 e  
spread : 0.0055805 e  
created : 2023-08-21T15:53:49



# Tropomi SWIR background noise (swir)

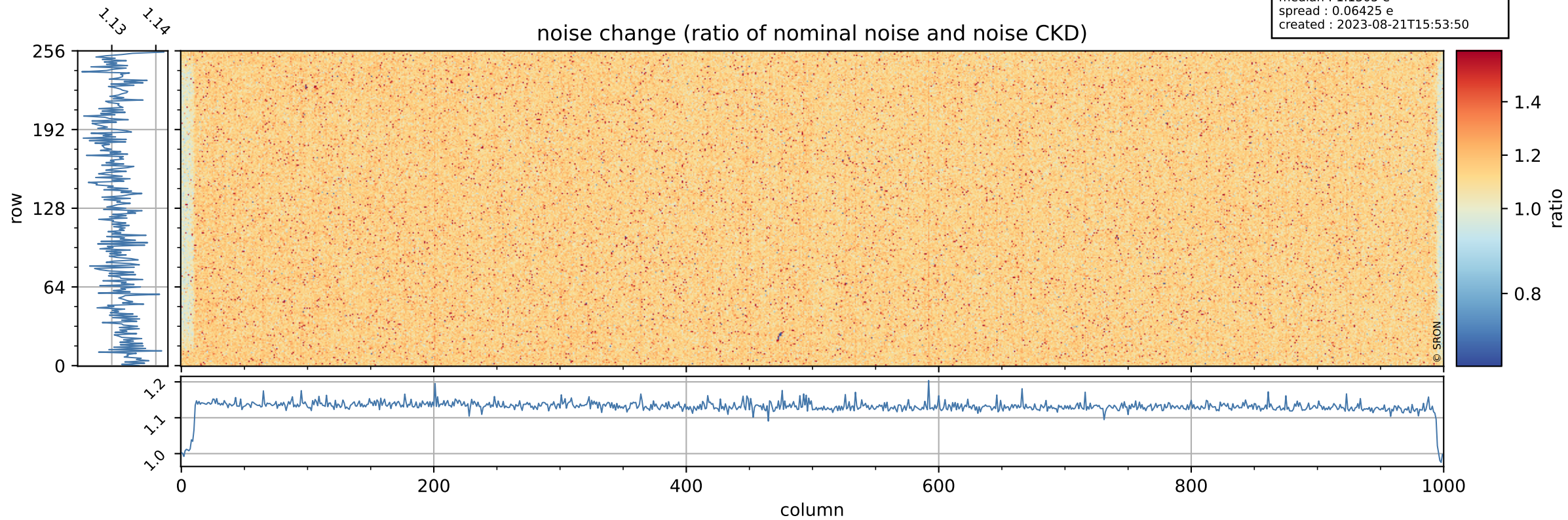
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
median : 1.0035 e  
spread : 0.010924 e  
created : 2023-08-21T15:53:49



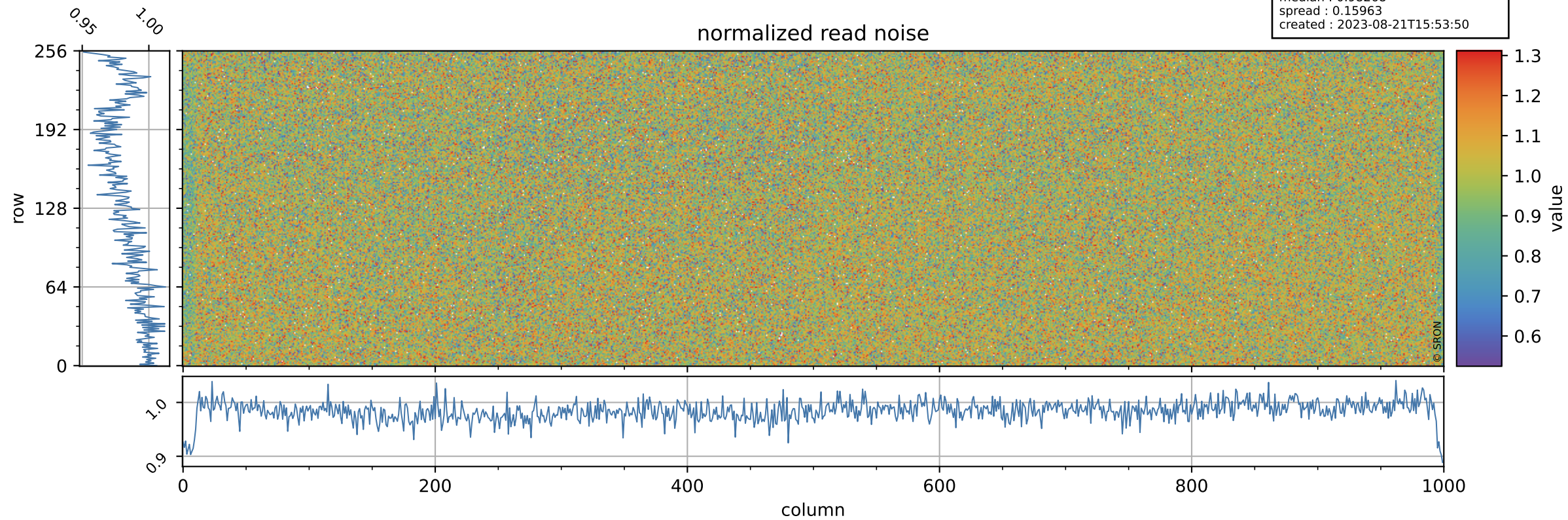
# Tropomi SWIR background noise (swir)

orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
median : 1.1305 e  
spread : 0.06425 e  
created : 2023-08-21T15:53:50



# Tropomi SWIR background noise (swir)

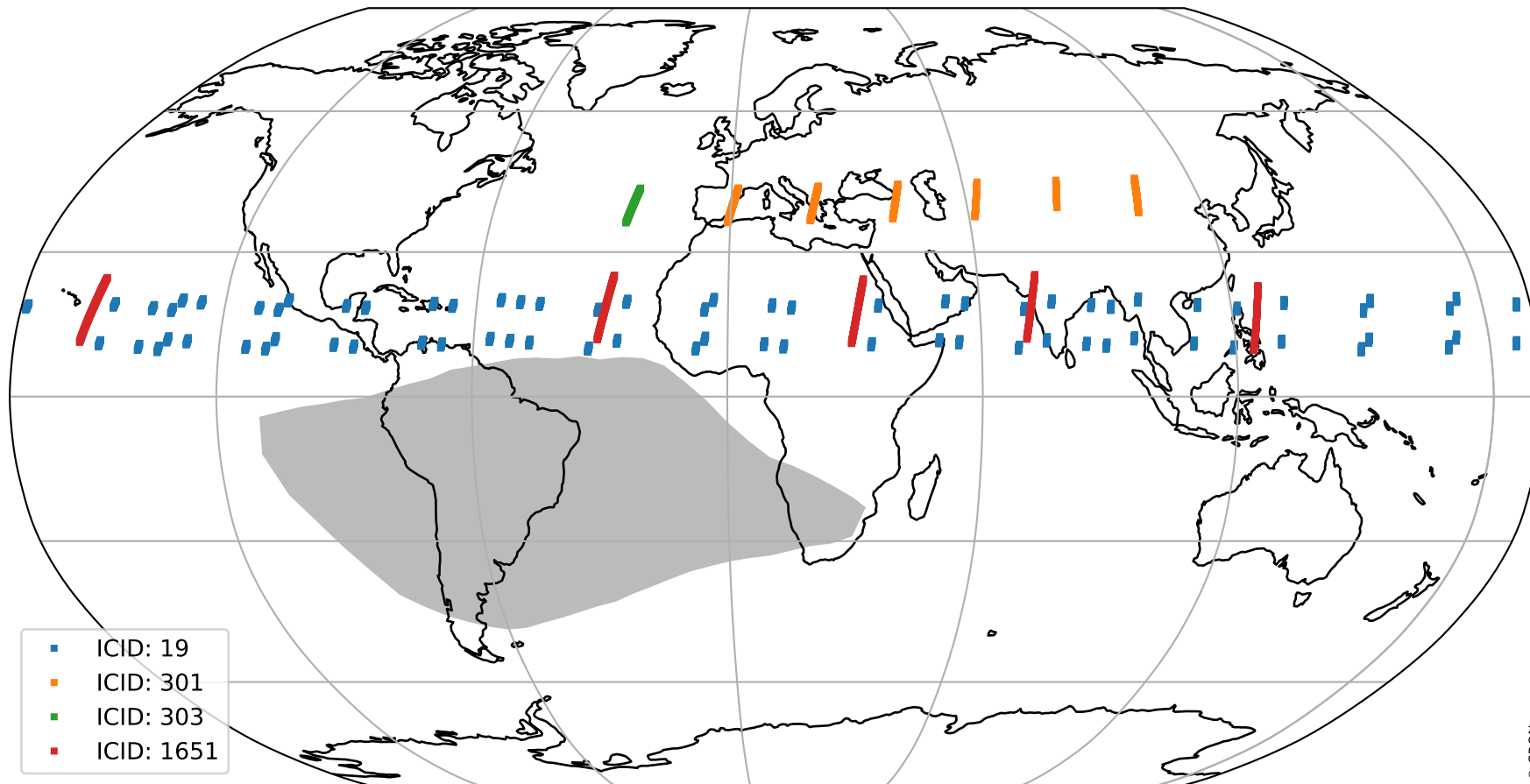
orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
median : 0.98268  
spread : 0.15963  
created : 2023-08-21T15:53:50





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

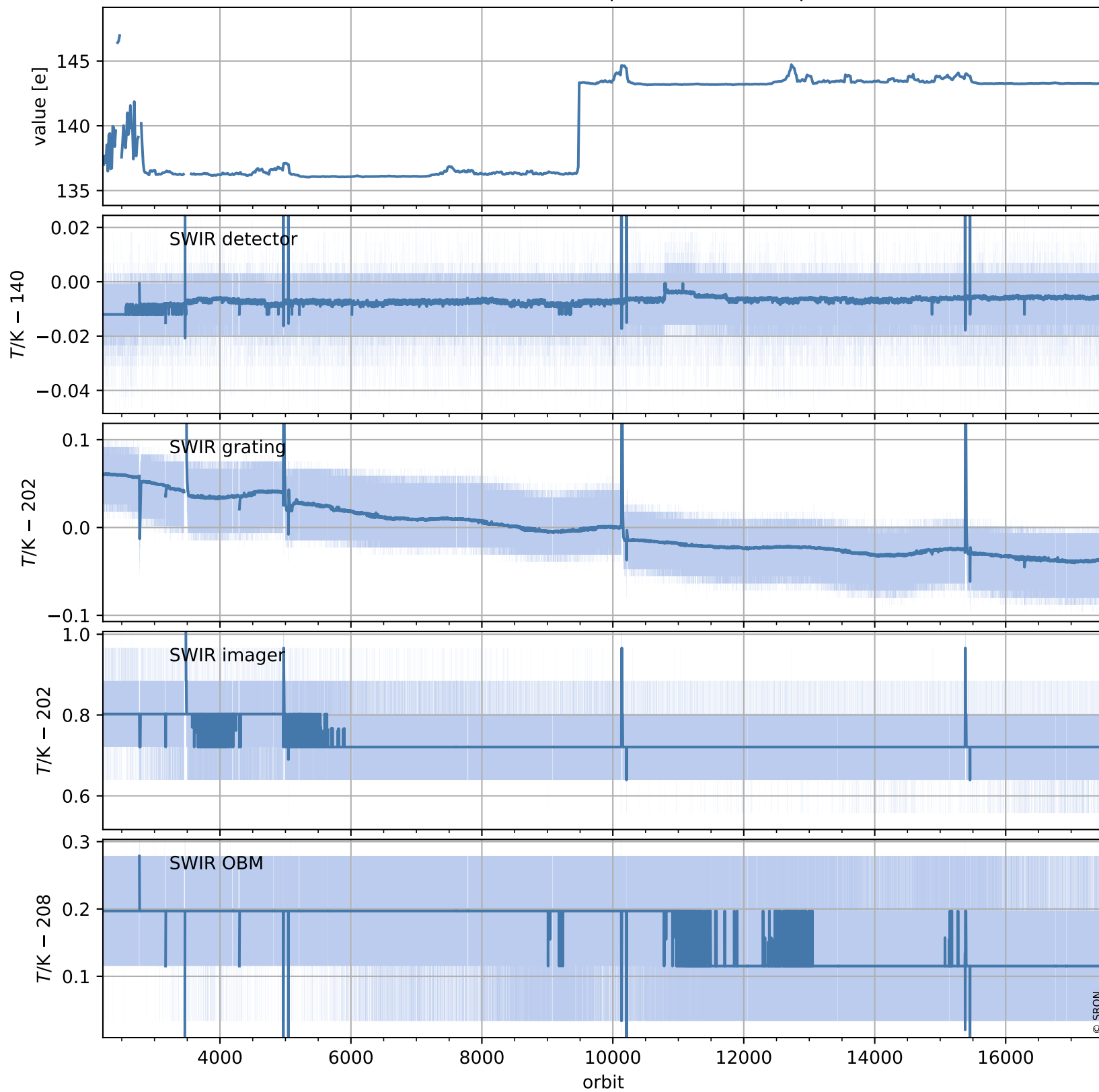
orbits : 12 in [17407, 17497]  
coverage : 2021-02-21 / 2021-02-27  
created : 2023-08-21T15:53:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 17497]  
coverage : 2018-03-18 / 2021-02-27  
created : 2023-08-21T15:53:50

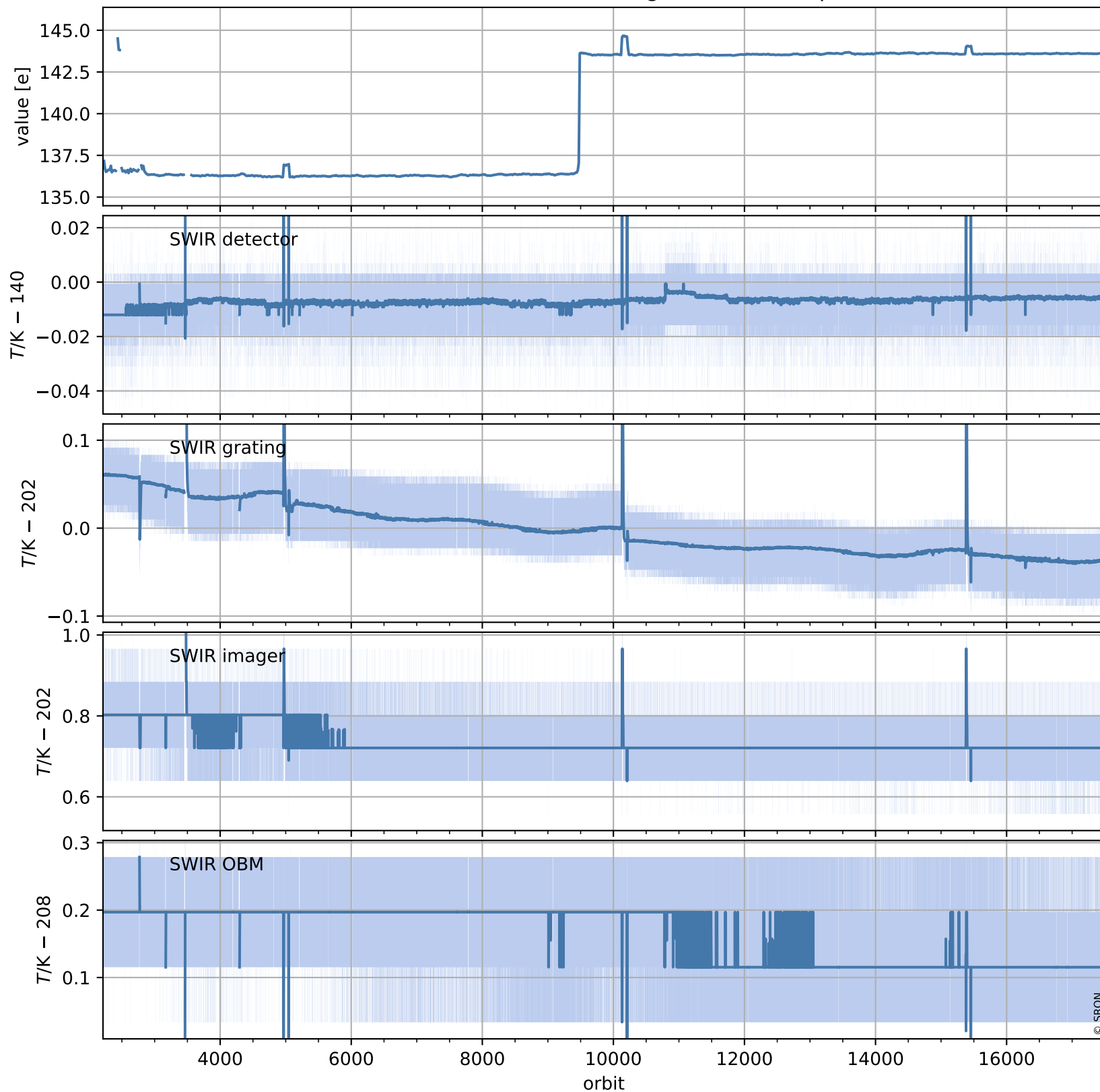
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17497]  
coverage : 2018-03-18 / 2021-02-27  
created : 2023-08-21T15:53:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17497]  
coverage : 2018-03-18 / 2021-02-27  
created : 2023-08-21T15:53:52

## trend of normalized read-noise & temperatures

