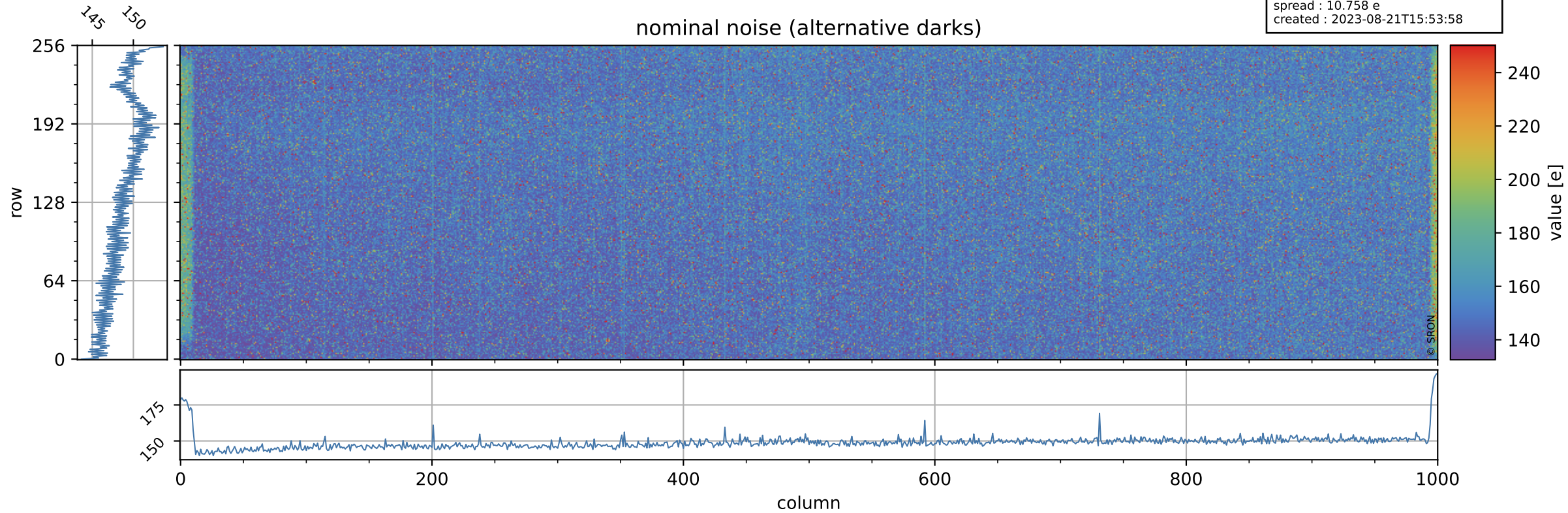


# Tropomi SWIR background noise (swir)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.64 e  
spread : 10.758 e  
created : 2023-08-21T15:53:58

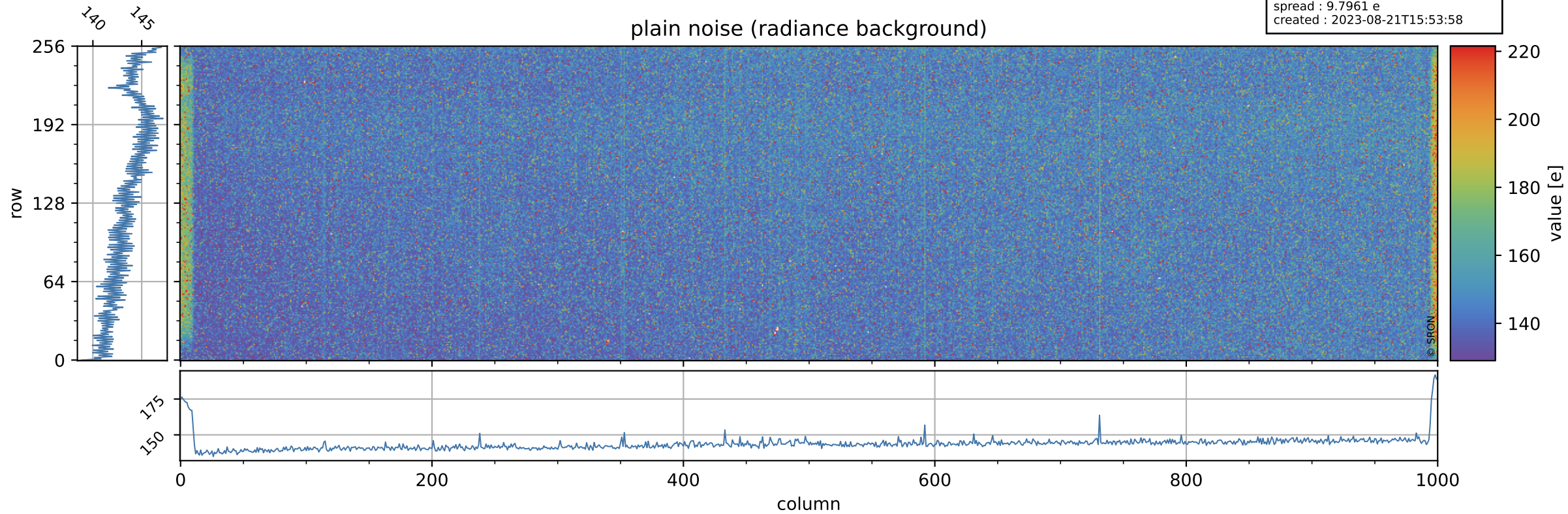
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.44 e  
spread : 9.7961 e  
created : 2023-08-21T15:53:58

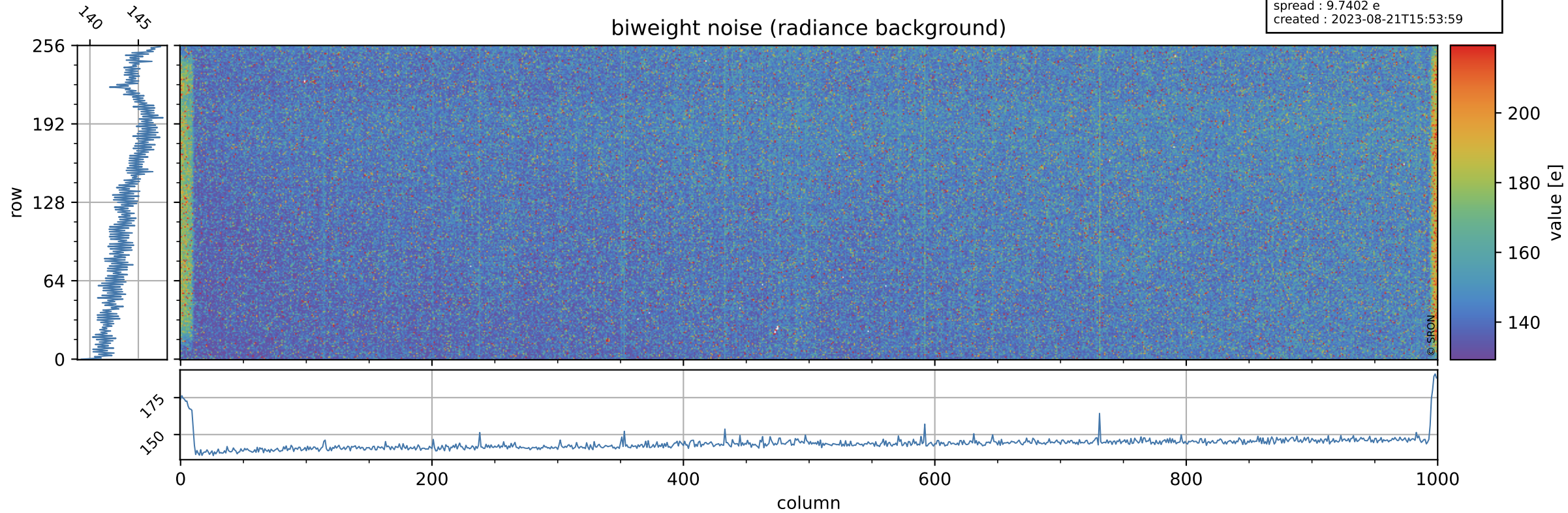
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.7402 e  
created : 2023-08-21T15:53:59

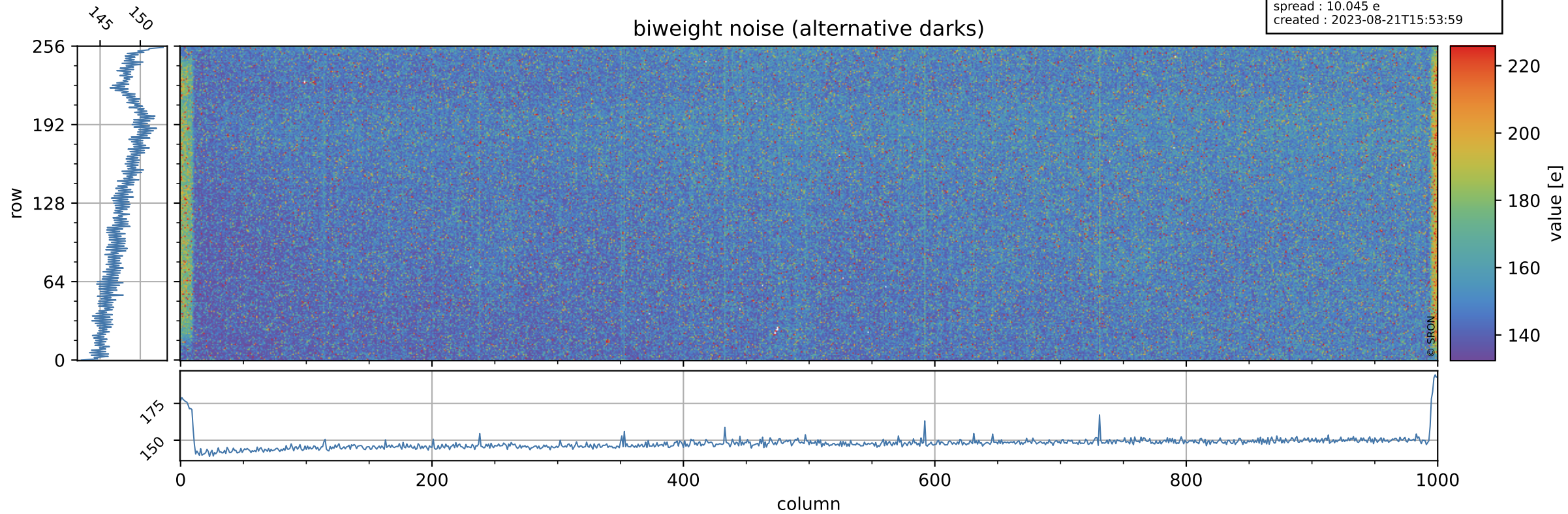
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.045 e  
created : 2023-08-21T15:53:59

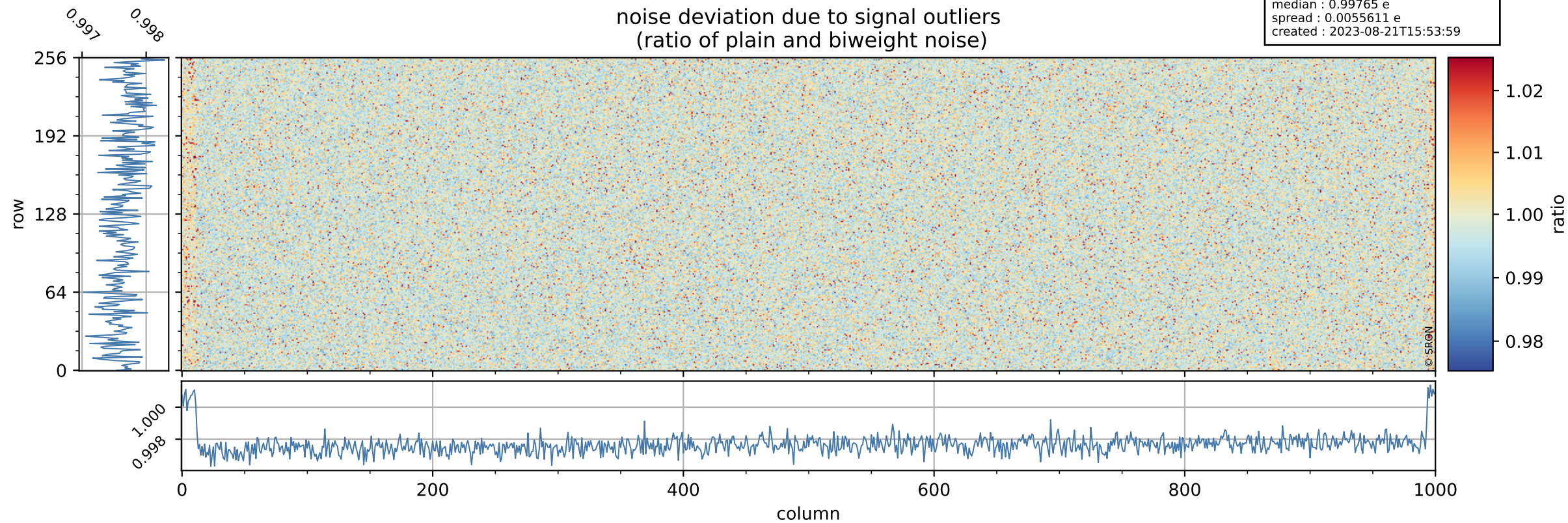
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

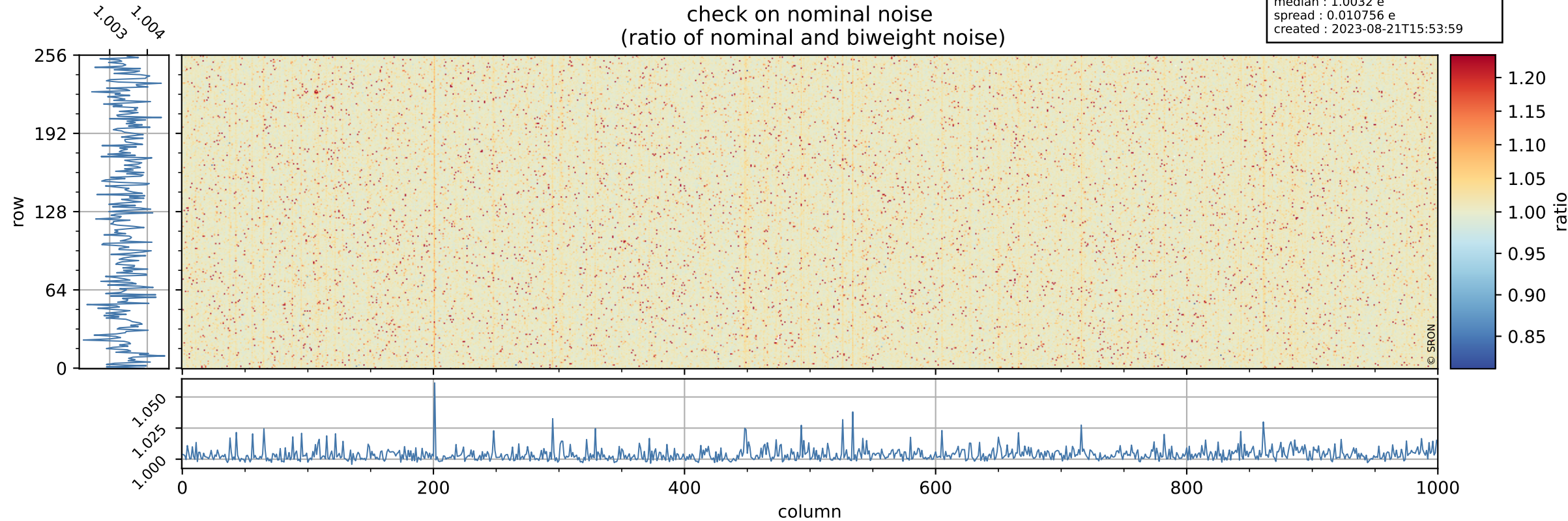
orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
median : 0.99765 e  
spread : 0.0055611 e  
created : 2023-08-21T15:53:59



# Tropomi SWIR background noise (swir)

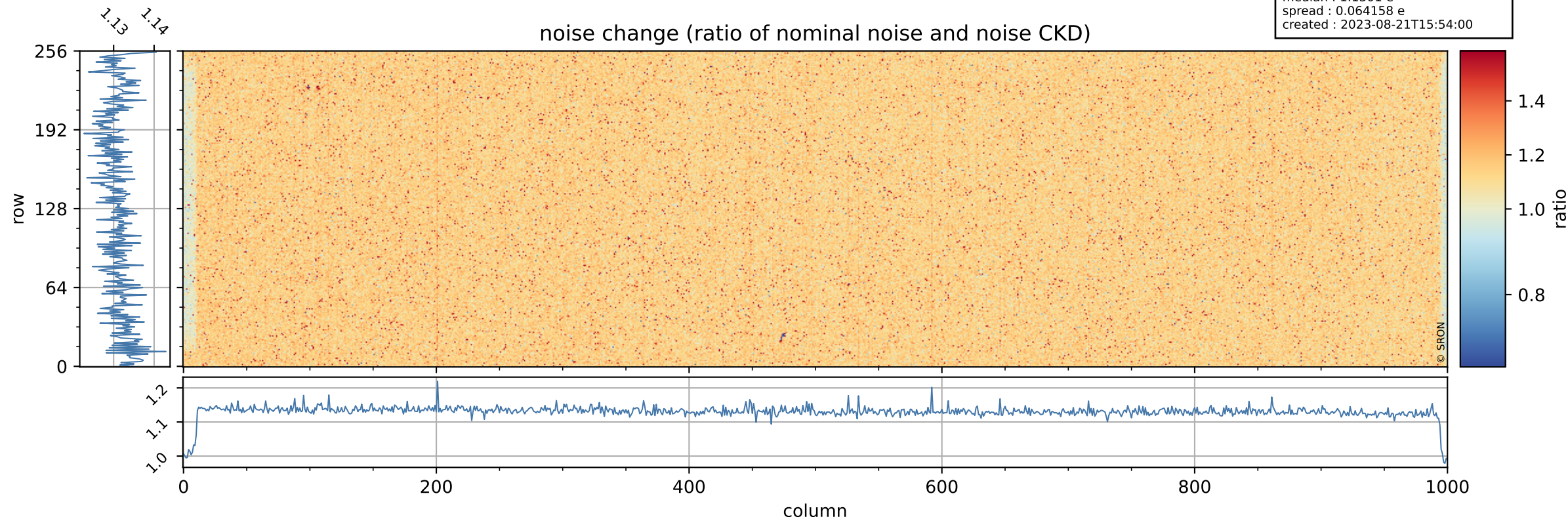
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
median : 1.0032 e  
spread : 0.010756 e  
created : 2023-08-21T15:53:59



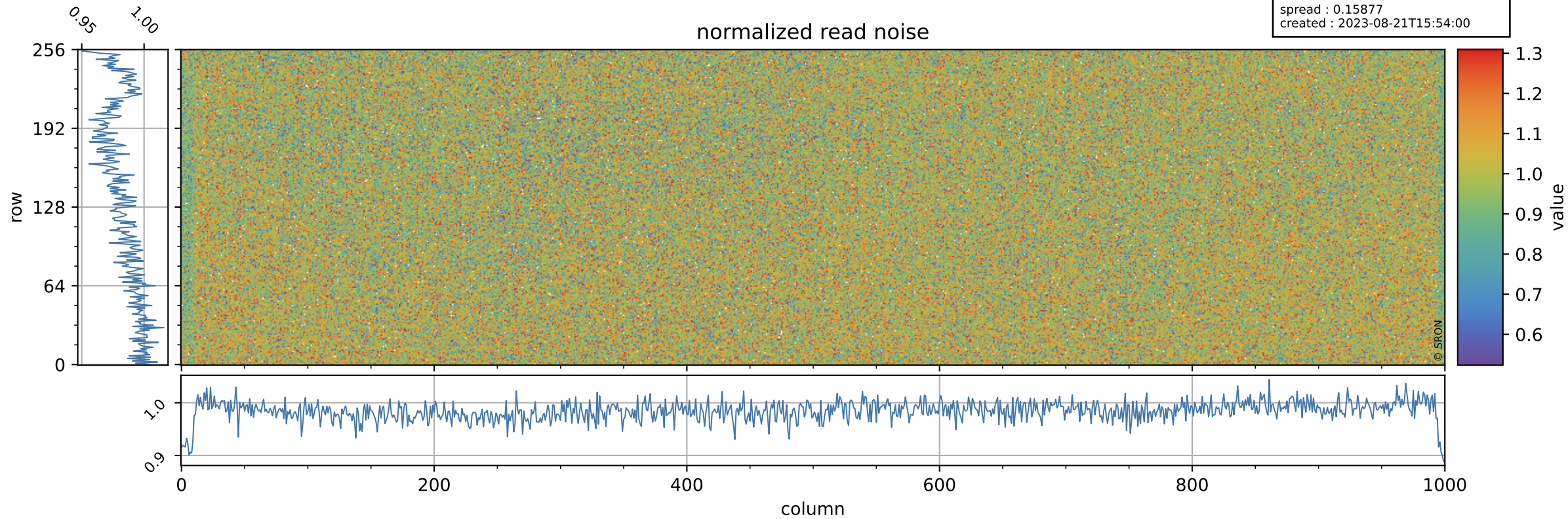
# Tropomi SWIR background noise (swir)

orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
median : 1.1301 e  
spread : 0.064158 e  
created : 2023-08-21T15:54:00



# Tropomi SWIR background noise (swir)

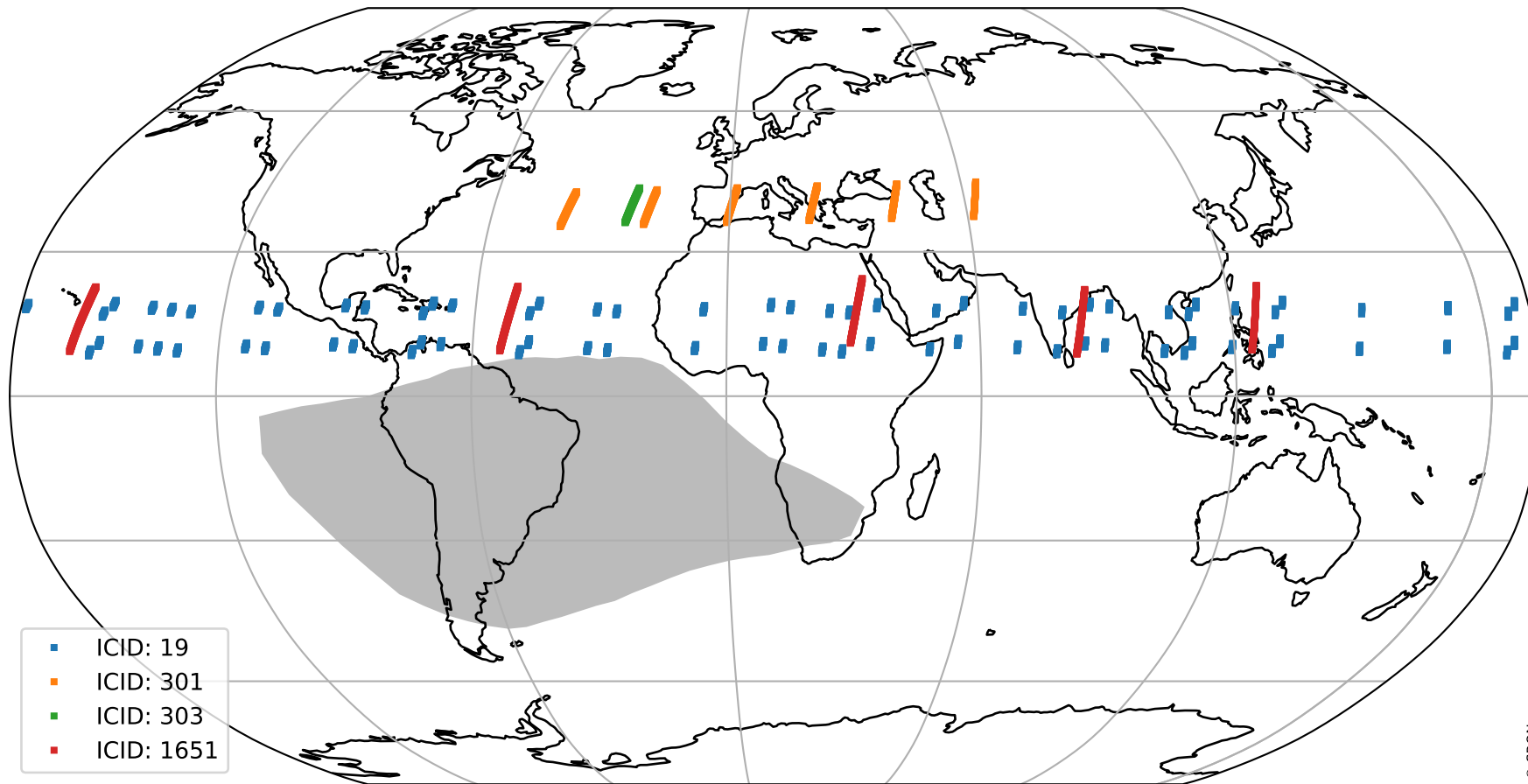
orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
median : 0.98293  
spread : 0.15877  
created : 2023-08-21T15:54:00





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

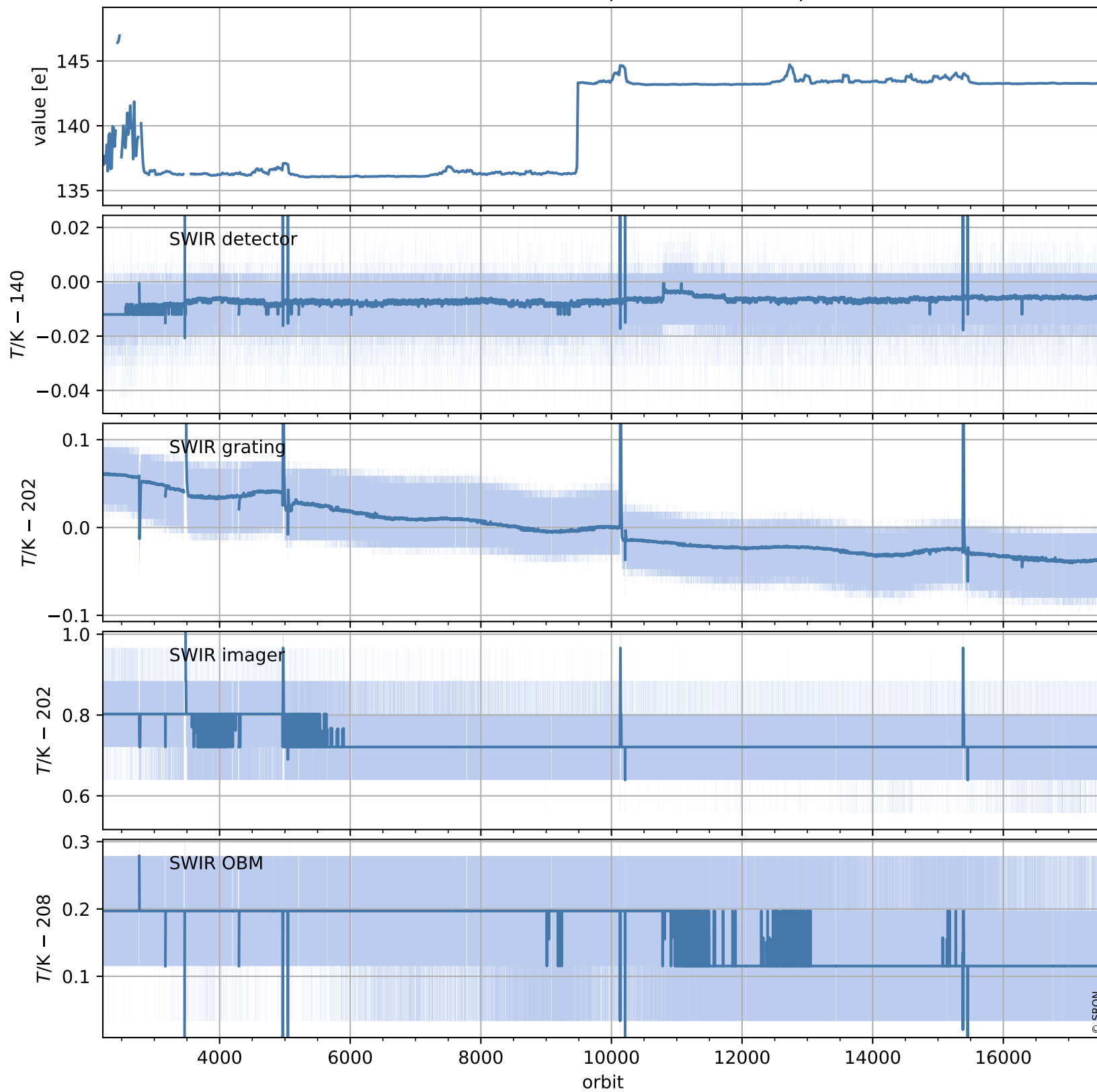
orbits : 12 in [17437, 17527]  
coverage : 2021-02-23 / 2021-03-01  
created : 2023-08-21T15:54:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 17527]  
coverage : 2018-03-18 / 2021-03-01  
created : 2023-08-21T15:54:01

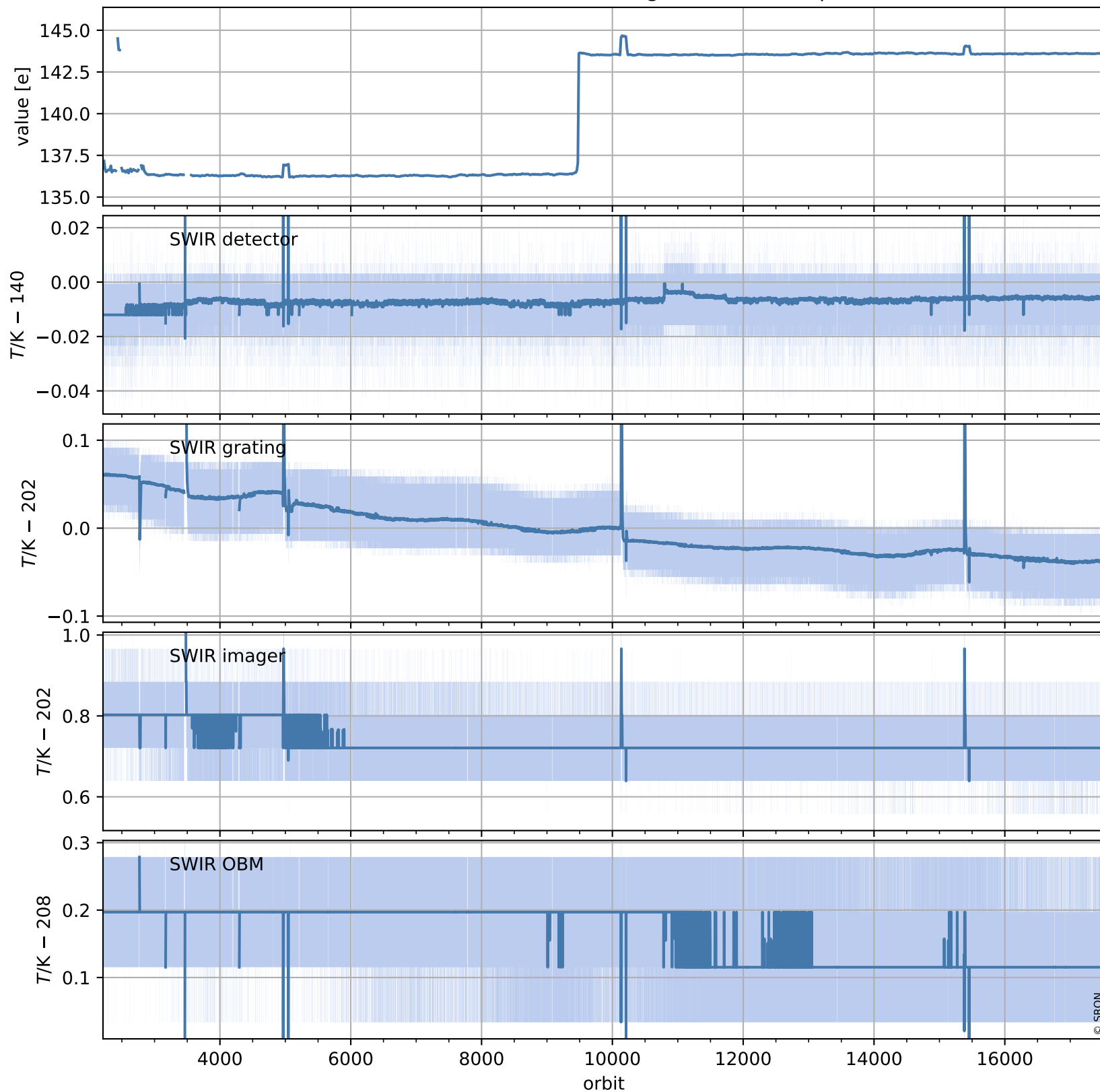
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17527]  
coverage : 2018-03-18 / 2021-03-01  
created : 2023-08-21T15:54:02

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17527]  
coverage : 2018-03-18 / 2021-03-01  
created : 2023-08-21T15:54:02

## trend of normalized read-noise & temperatures

