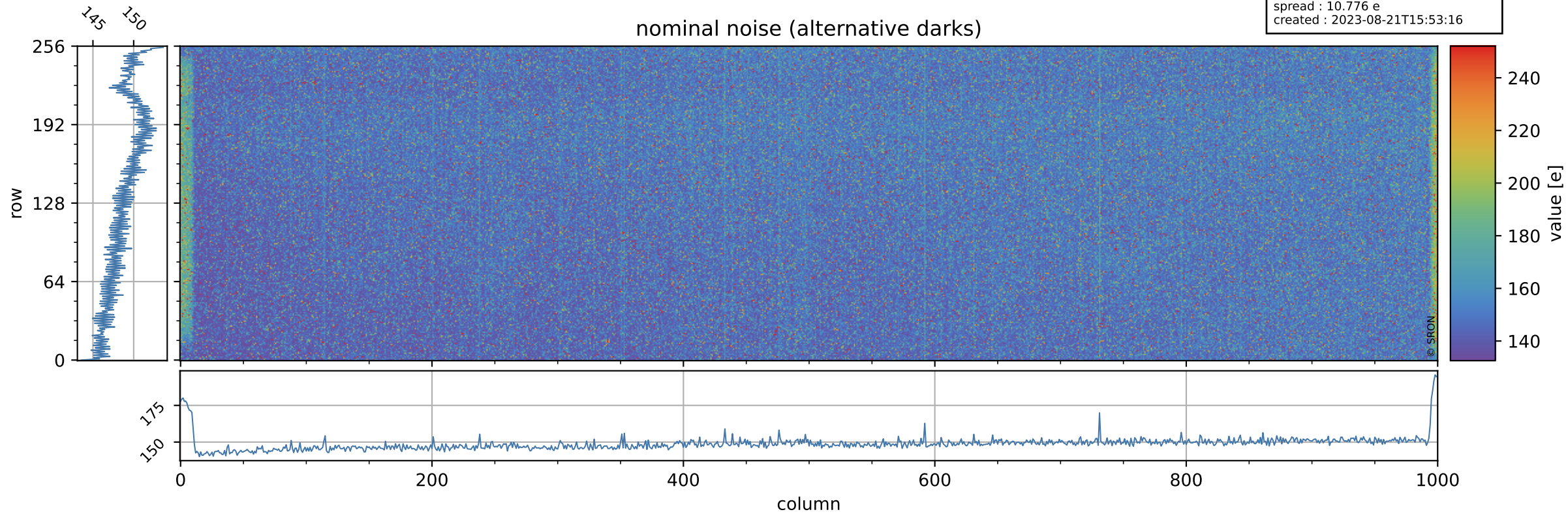


# Tropomi SWIR background noise (swir)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.68 e  
spread : 10.776 e  
created : 2023-08-21T15:53:16

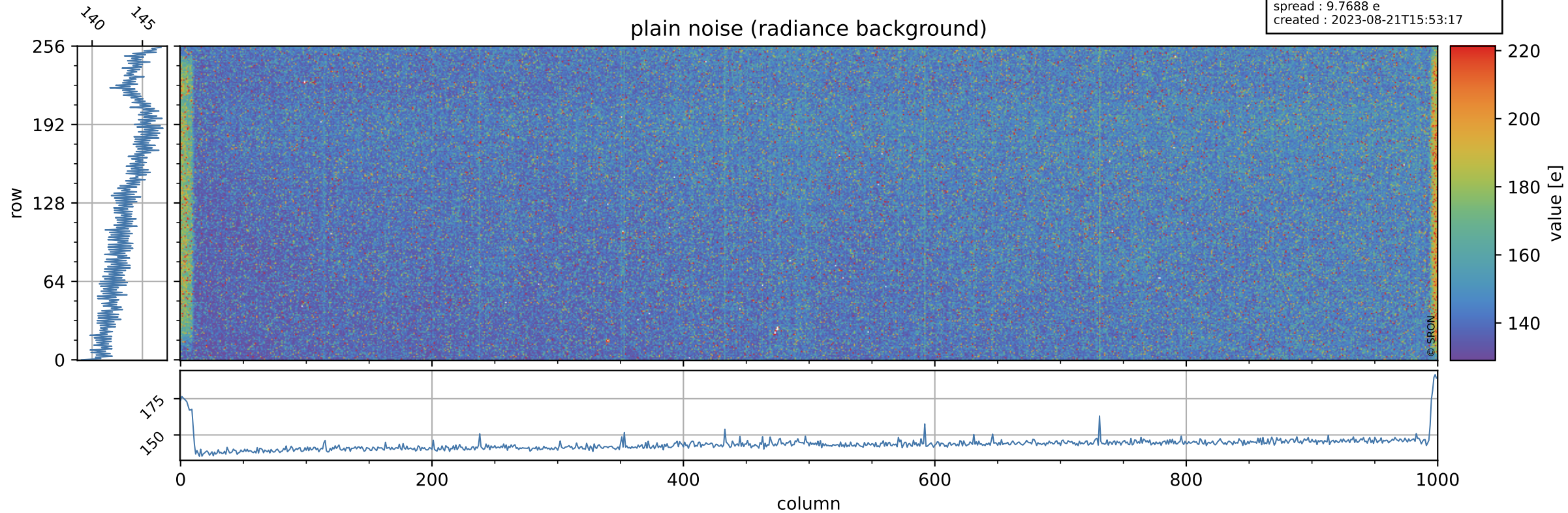
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7688 e  
created : 2023-08-21T15:53:17

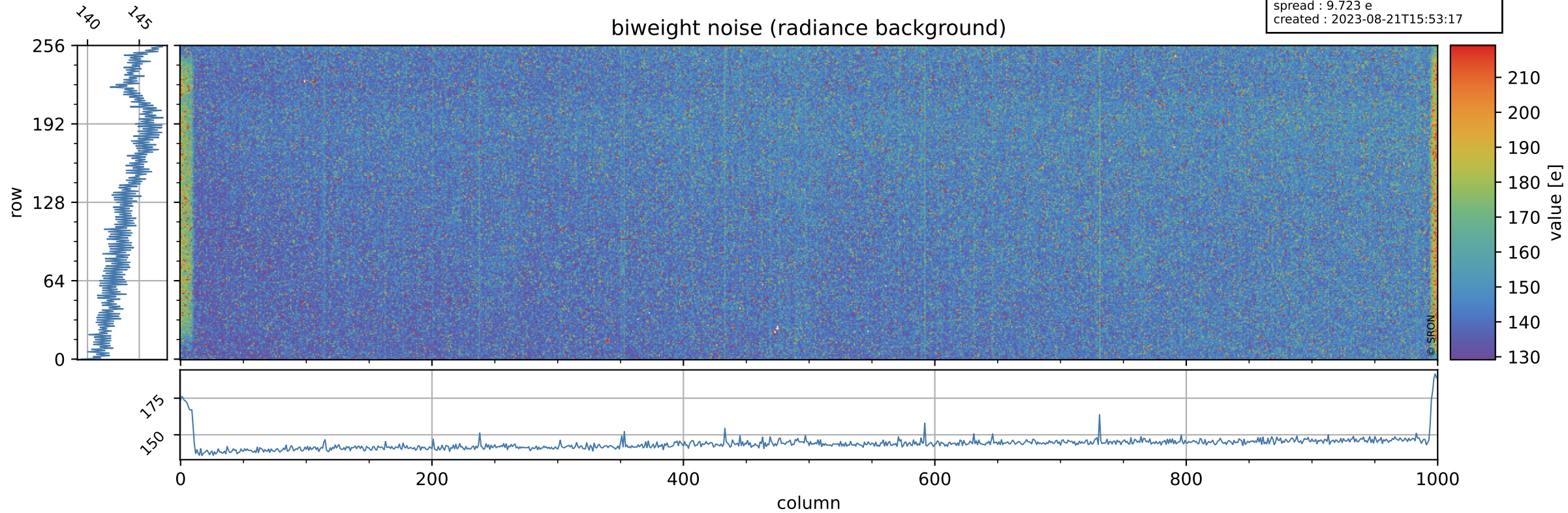
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.723 e  
created : 2023-08-21T15:53:17

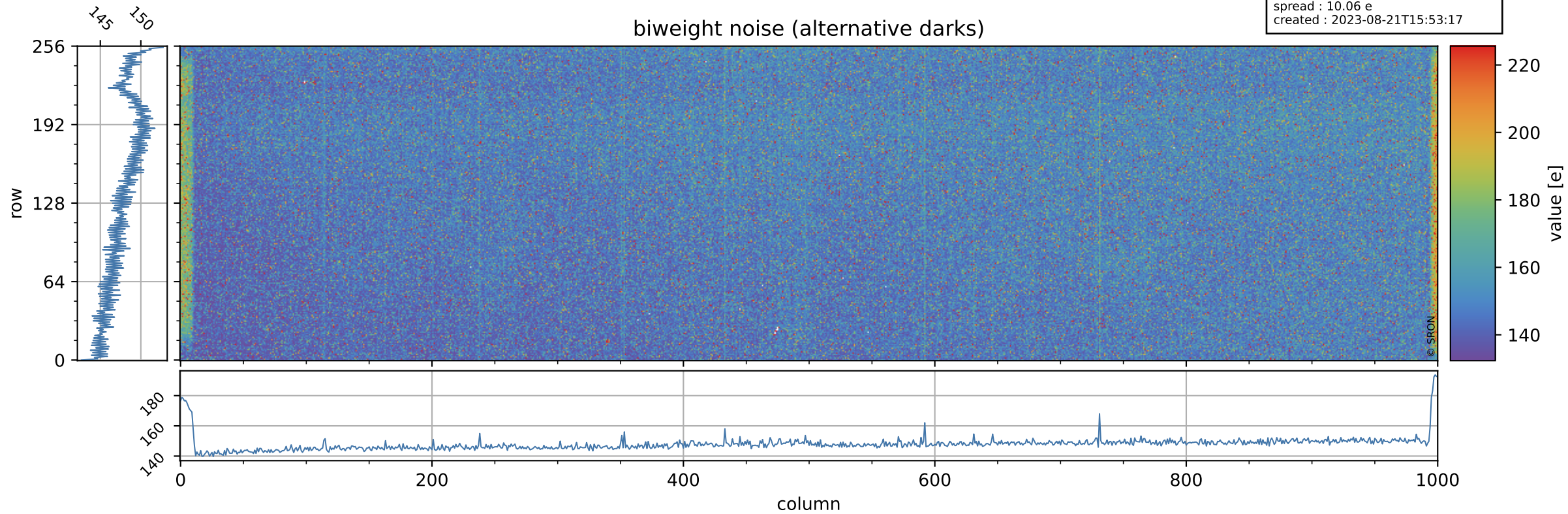
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.06 e  
created : 2023-08-21T15:53:17

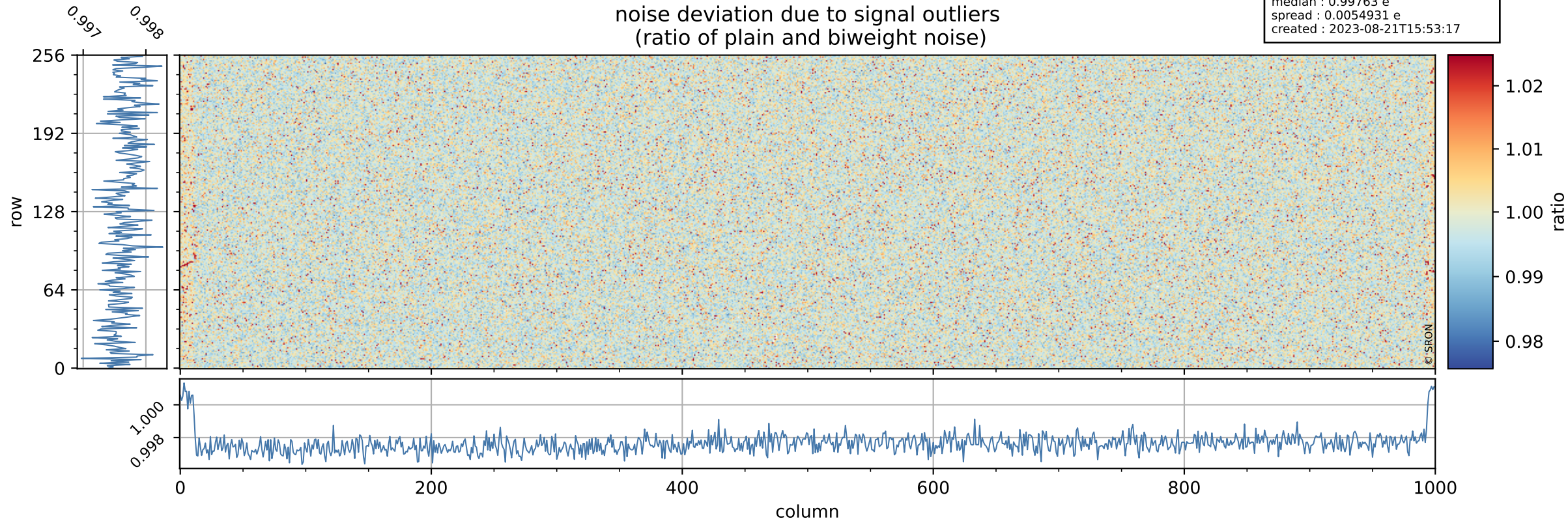
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

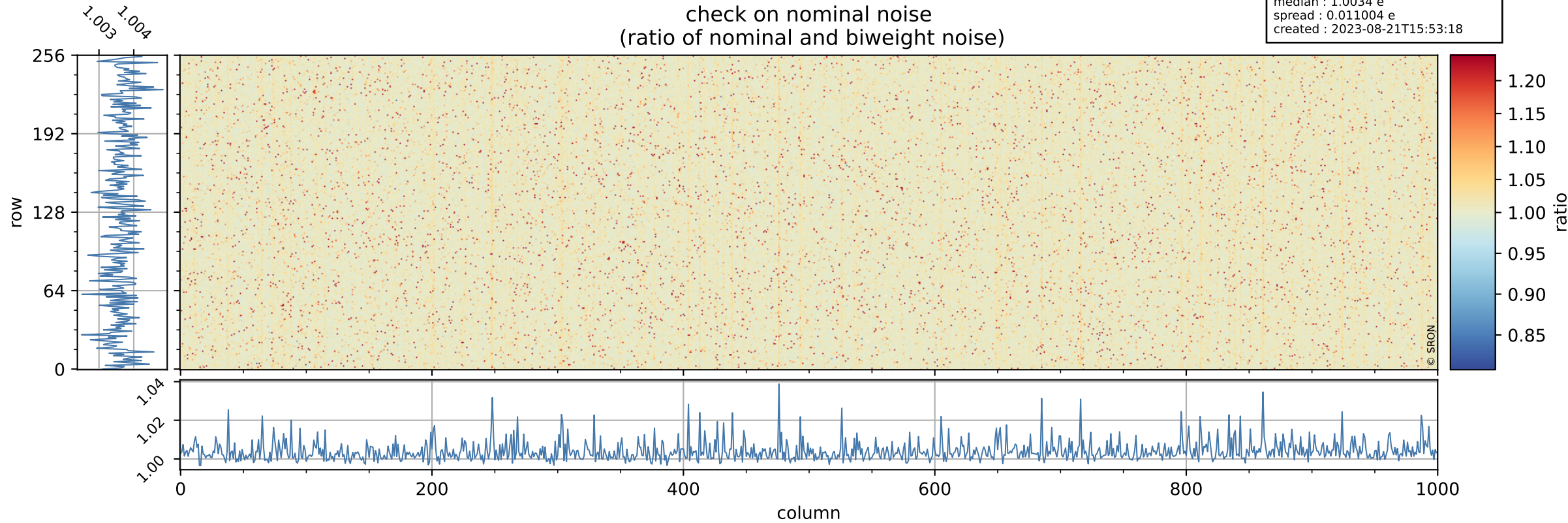
orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
median : 0.99763 e  
spread : 0.0054931 e  
created : 2023-08-21T15:53:17



# Tropomi SWIR background noise (swir)

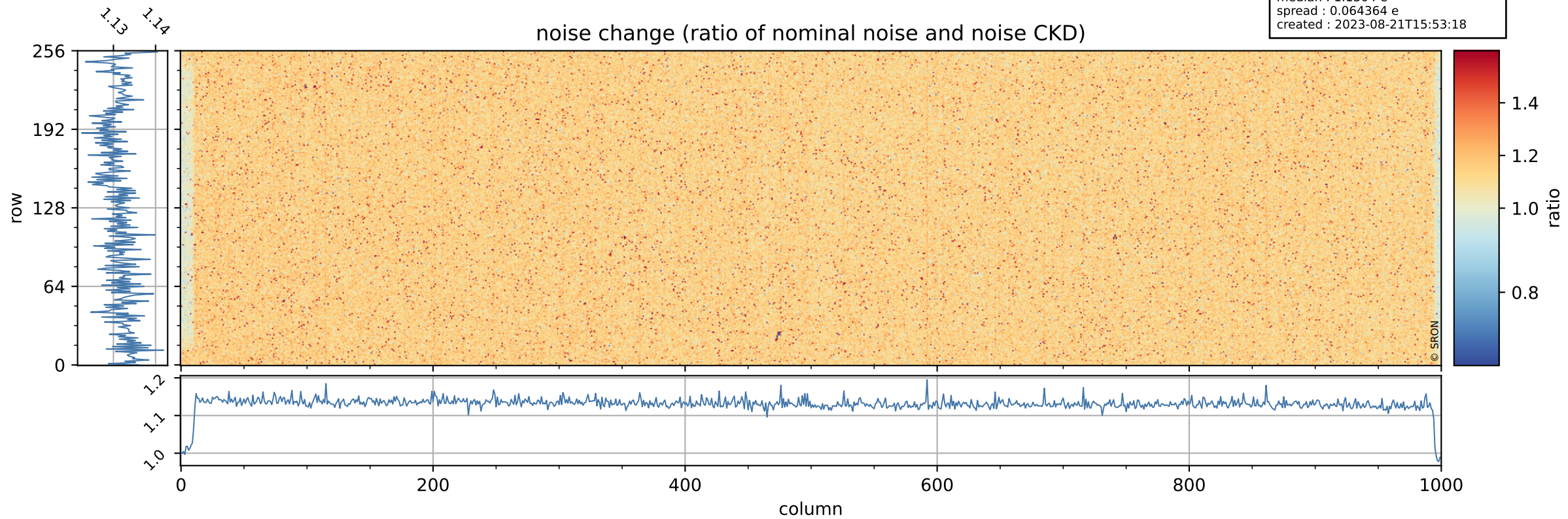
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
median : 1.0034 e  
spread : 0.011004 e  
created : 2023-08-21T15:53:18



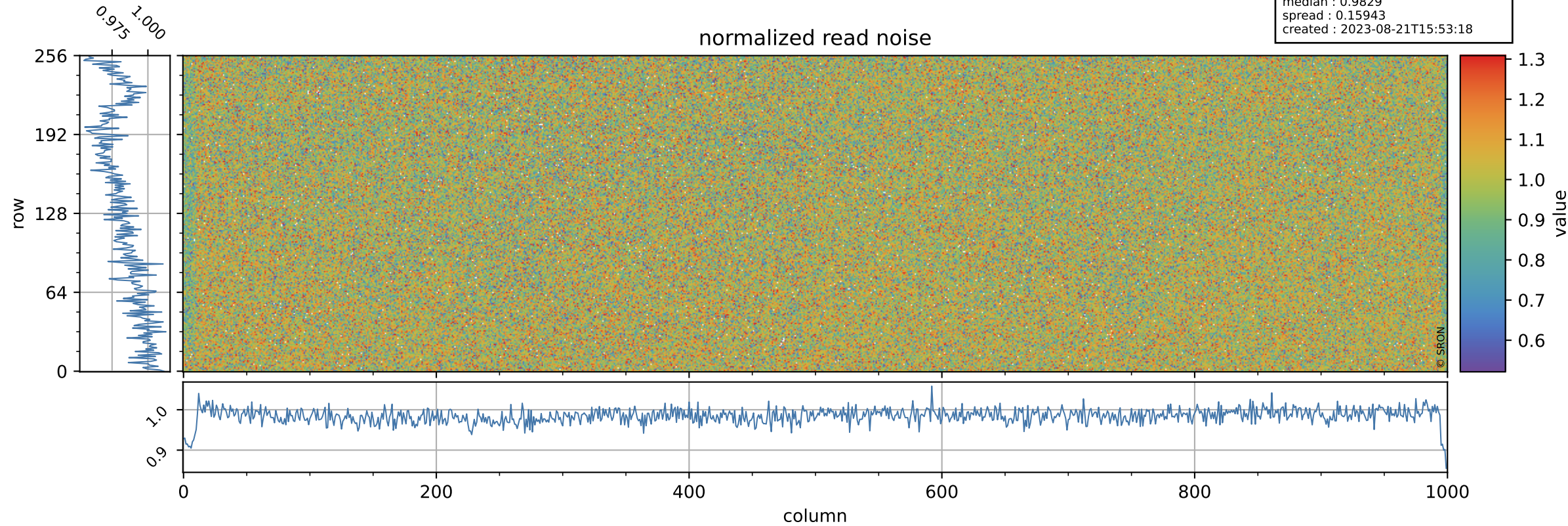
# Tropomi SWIR background noise (swir)

orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
median : 1.1304 e  
spread : 0.064364 e  
created : 2023-08-21T15:53:18



# Tropomi SWIR background noise (swir)

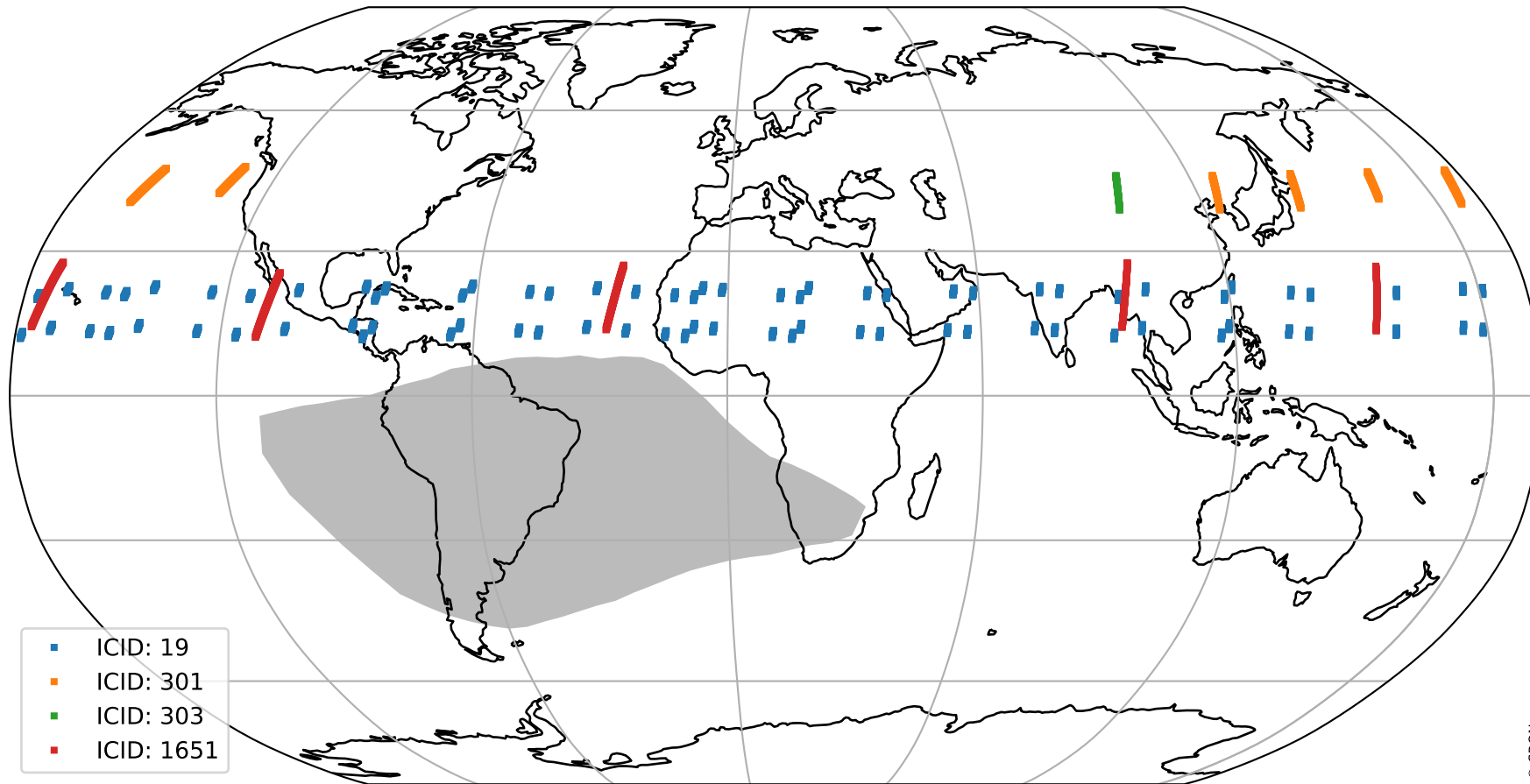
orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
median : 0.9829  
spread : 0.15943  
created : 2023-08-21T15:53:18





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

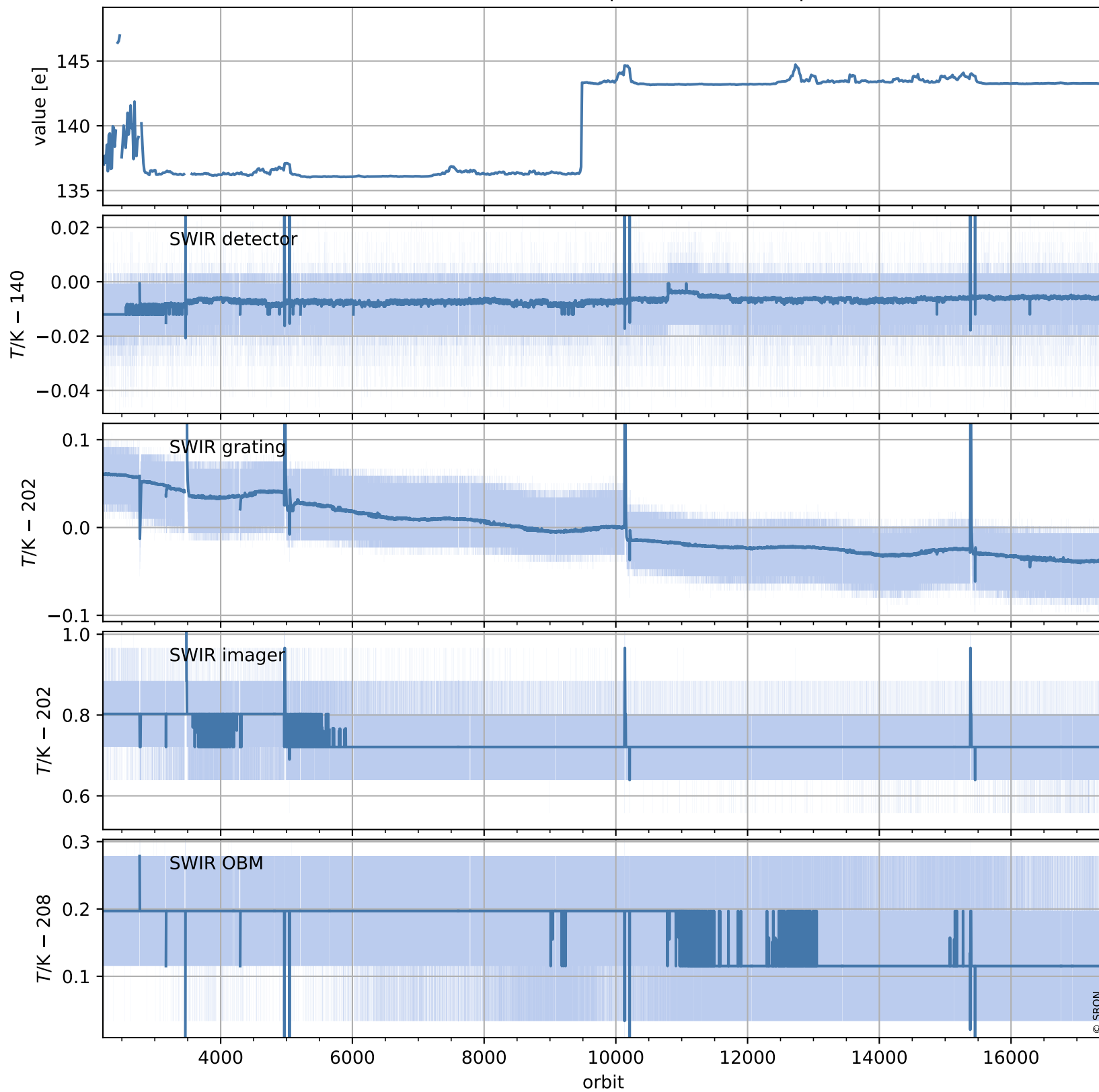
orbits : 12 in [17317, 17407]  
coverage : 2021-02-15 / 2021-02-21  
created : 2023-08-21T15:53:19



# Tropomi SWIR background noise (swir)

orbits : [2212, 17407]  
coverage : 2018-03-18 / 2021-02-21  
created : 2023-08-21T15:53:19

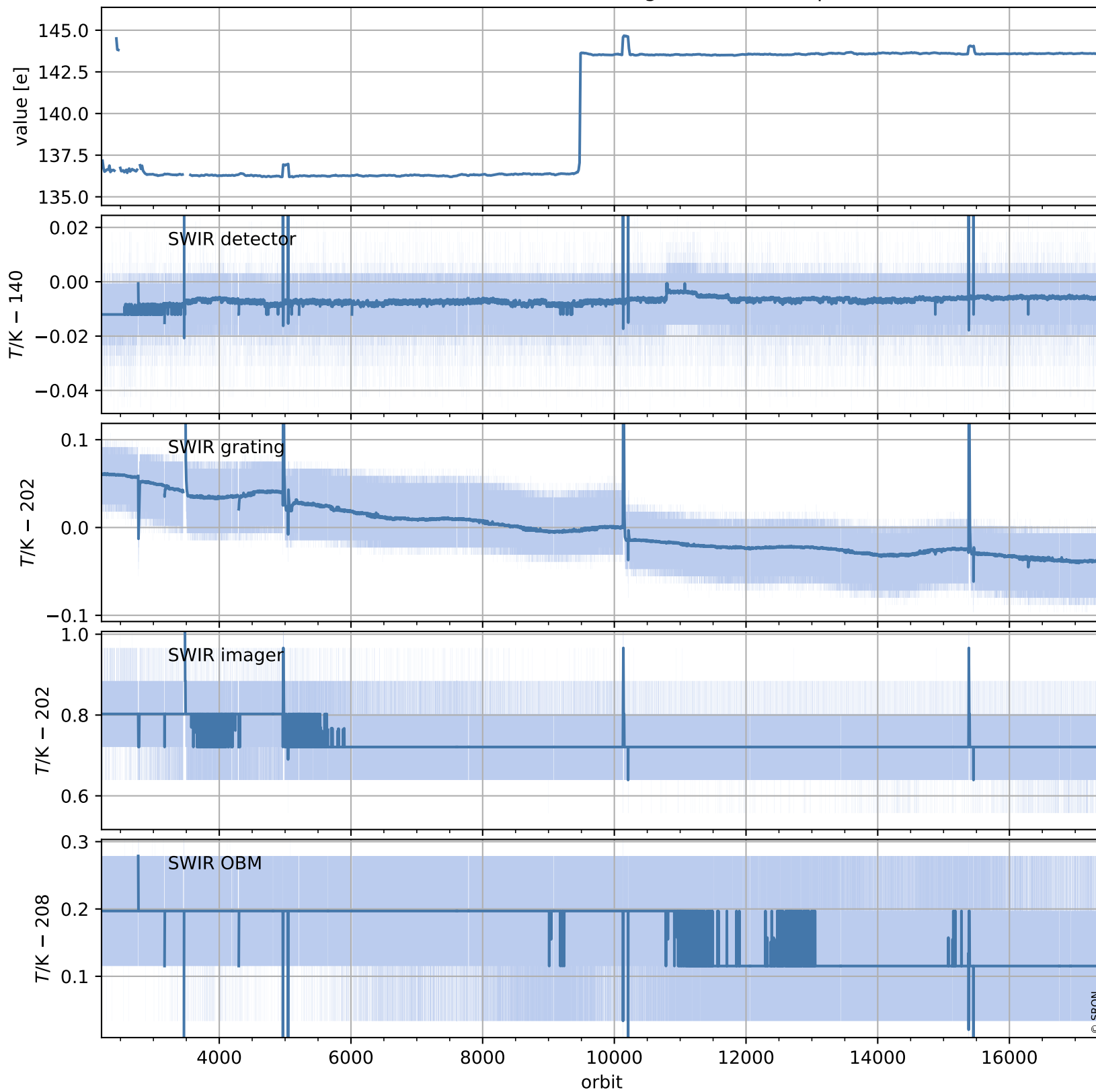
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17407]  
coverage : 2018-03-18 / 2021-02-21  
created : 2023-08-21T15:53:20

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17407]  
coverage : 2018-03-18 / 2021-02-21  
created : 2023-08-21T15:53:20

## trend of normalized read-noise & temperatures

