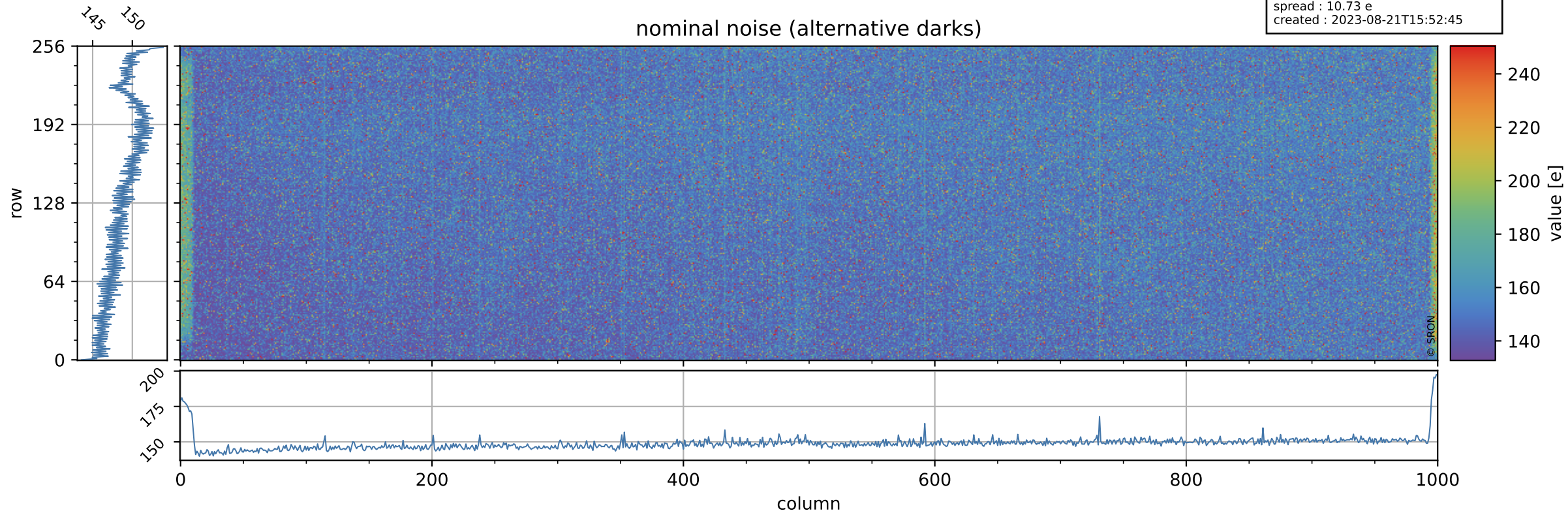


# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.68 e  
spread : 10.73 e  
created : 2023-08-21T15:52:45

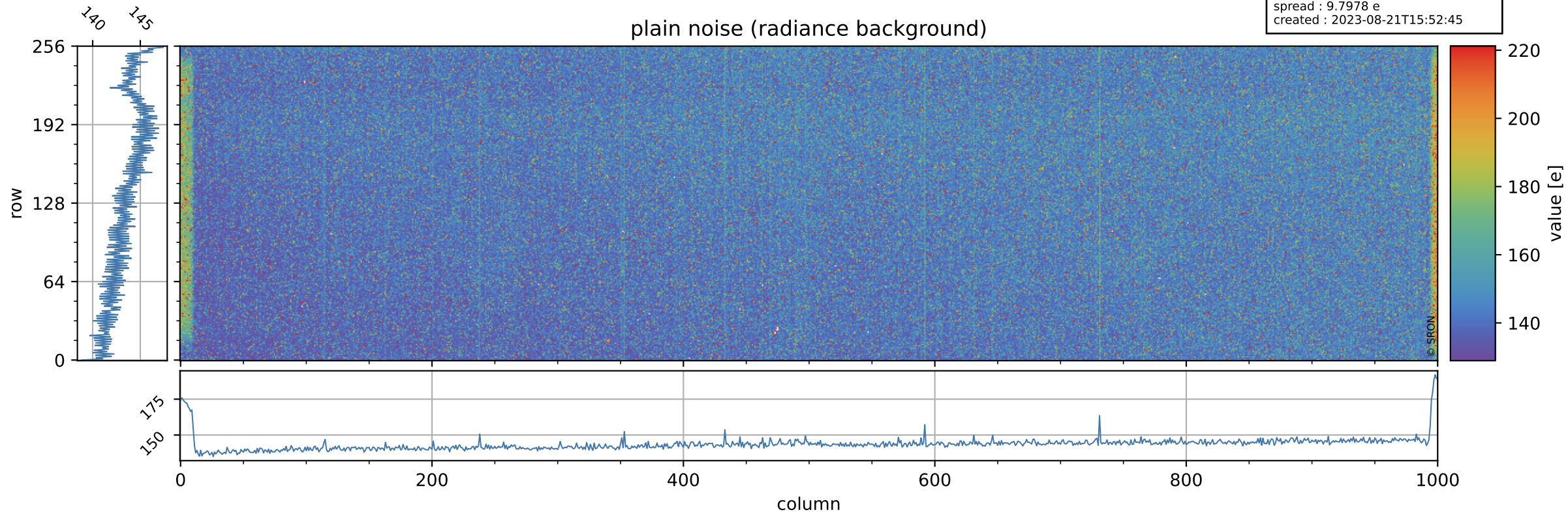
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7978 e  
created : 2023-08-21T15:52:45

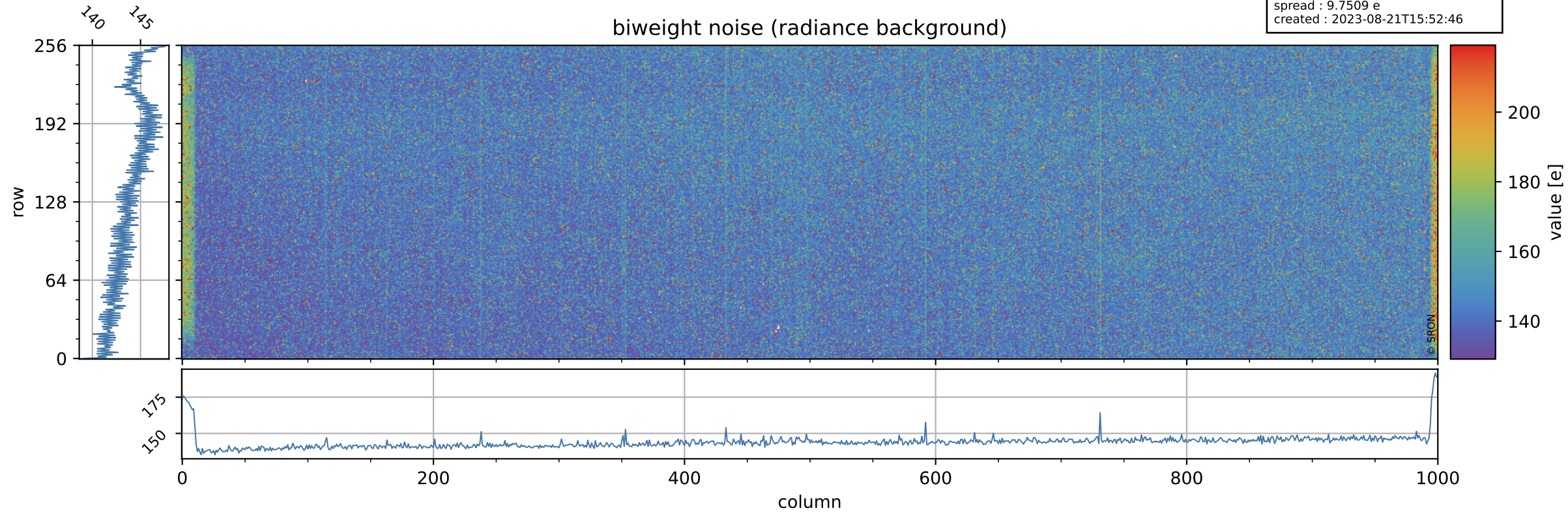
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7509 e  
created : 2023-08-21T15:52:46

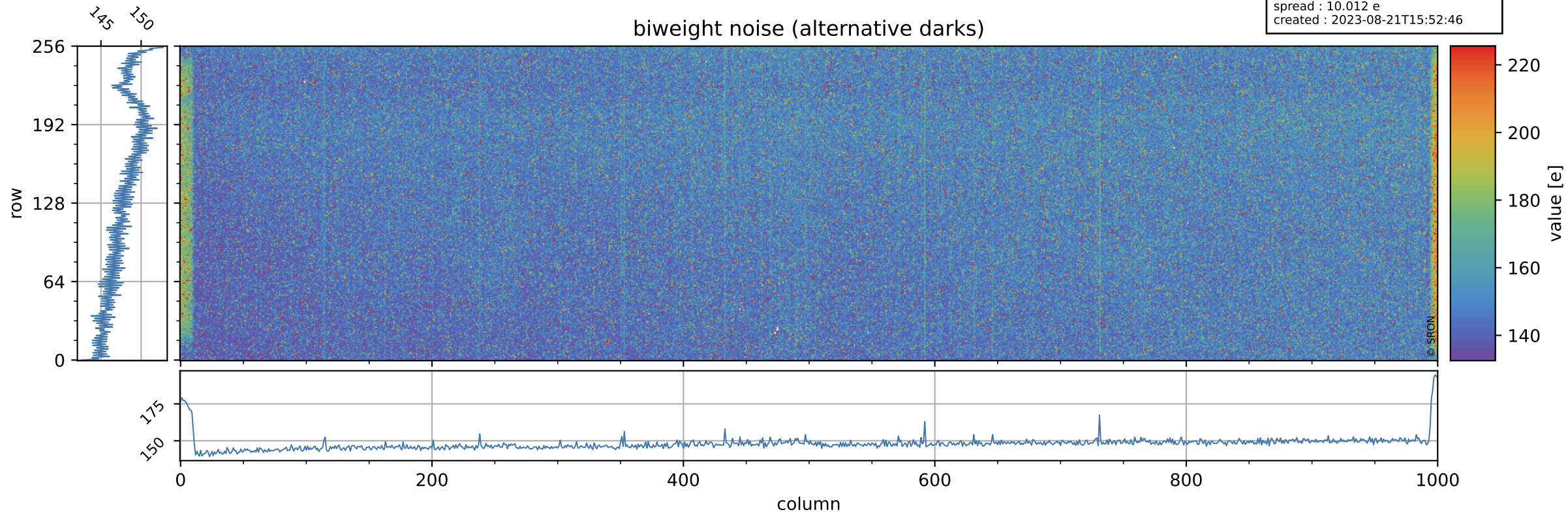
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.012 e  
created : 2023-08-21T15:52:46

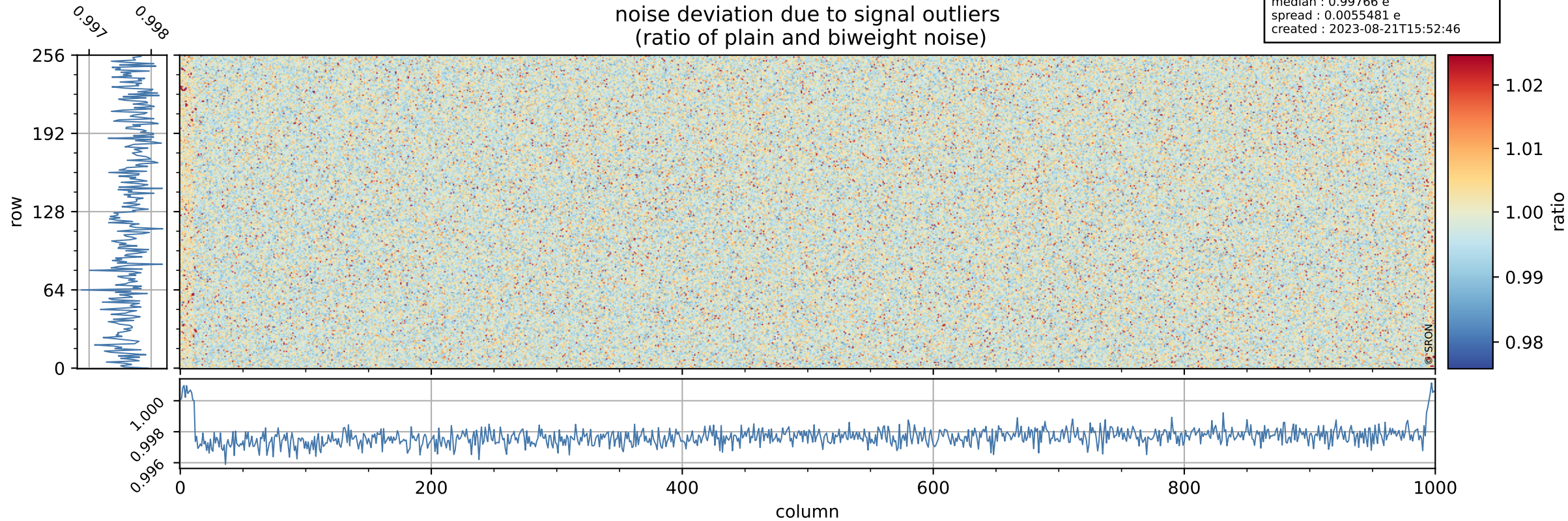
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

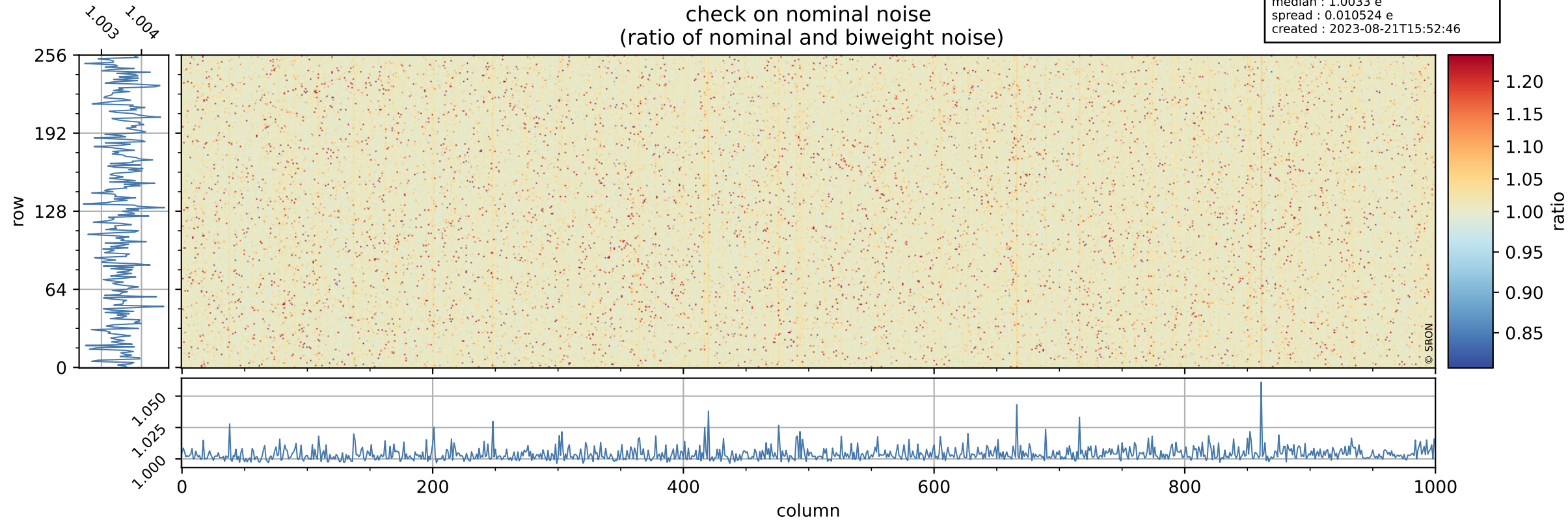
orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
median : 0.99766 e  
spread : 0.0055481 e  
created : 2023-08-21T15:52:46



# Tropomi SWIR background noise (swir)

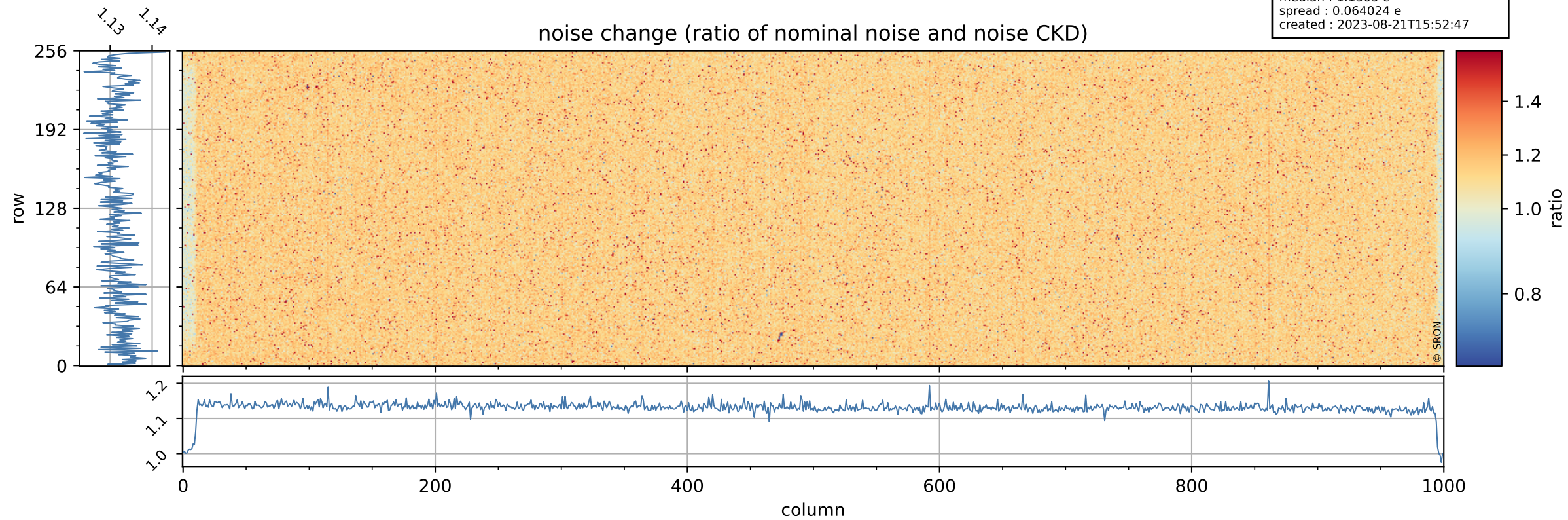
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
median : 1.0033 e  
spread : 0.010524 e  
created : 2023-08-21T15:52:46



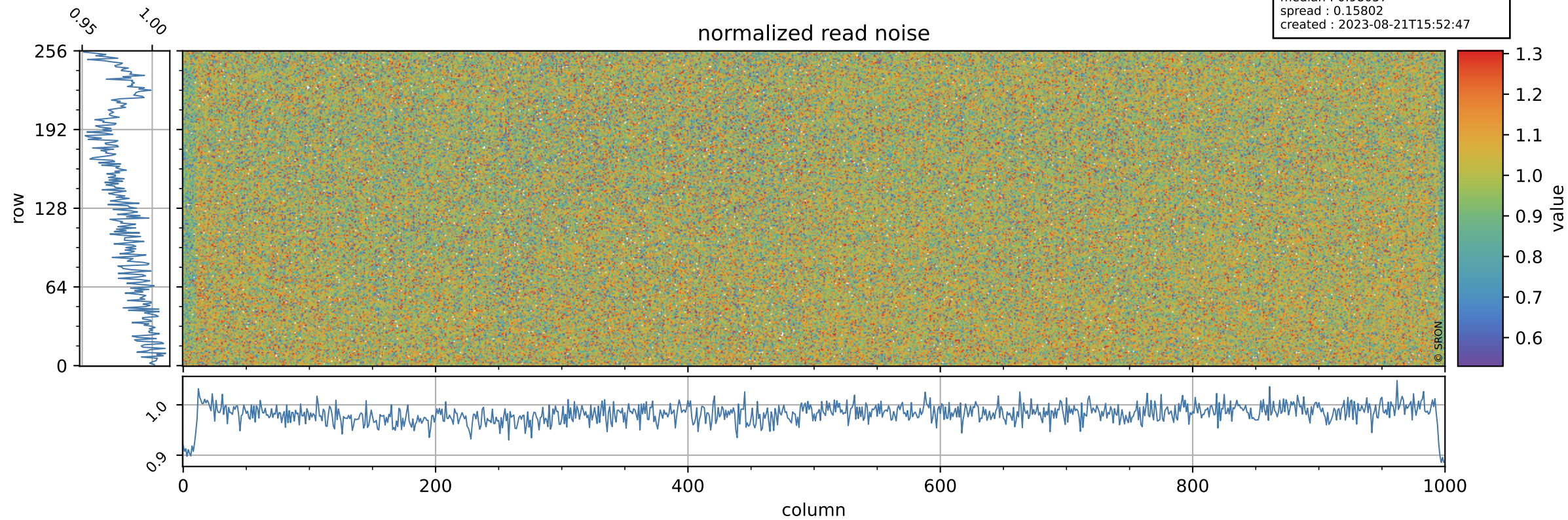
# Tropomi SWIR background noise (swir)

orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
median : 1.1305 e  
spread : 0.064024 e  
created : 2023-08-21T15:52:47



# Tropomi SWIR background noise (swir)

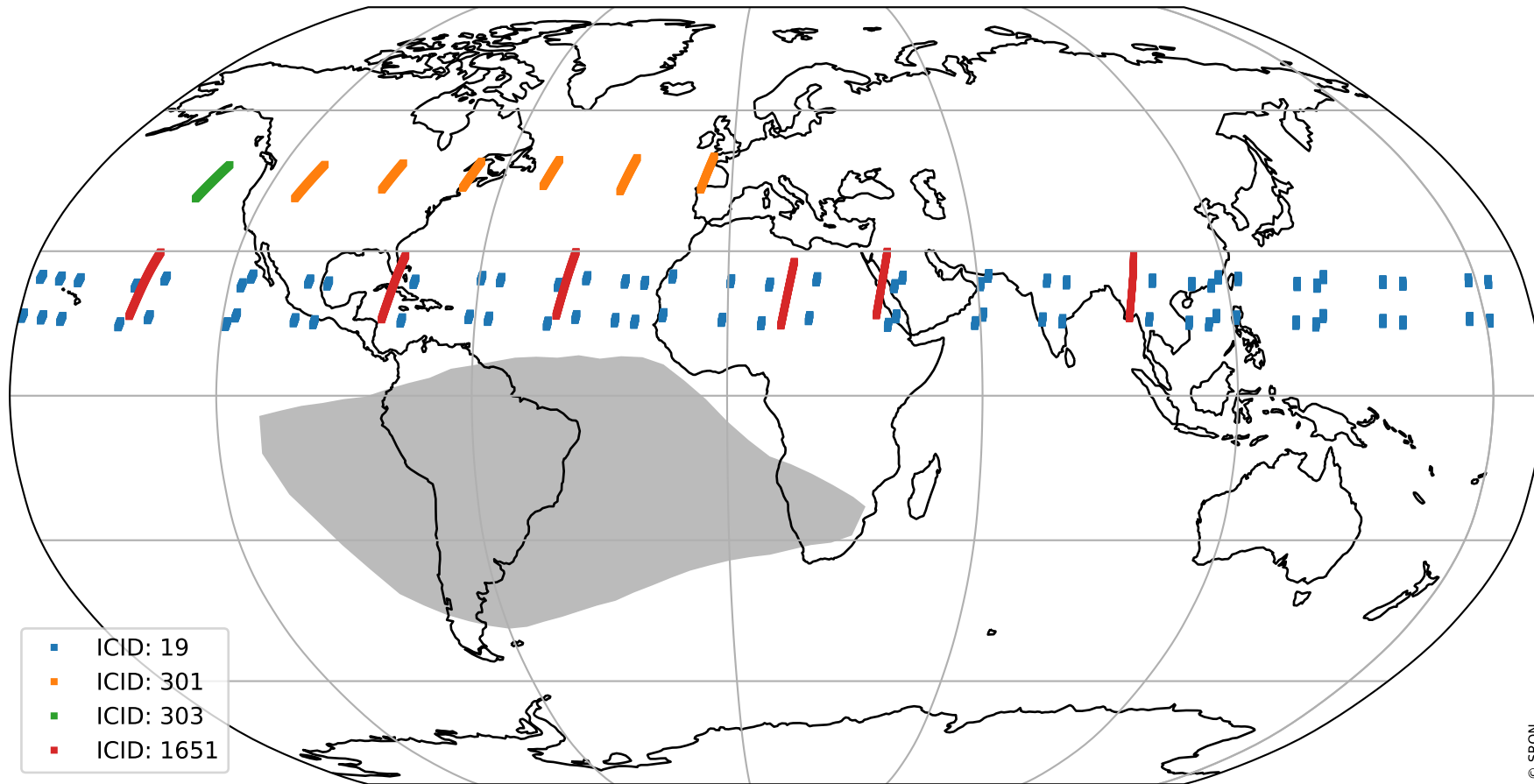
orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
median : 0.98057  
spread : 0.15802  
created : 2023-08-21T15:52:47





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

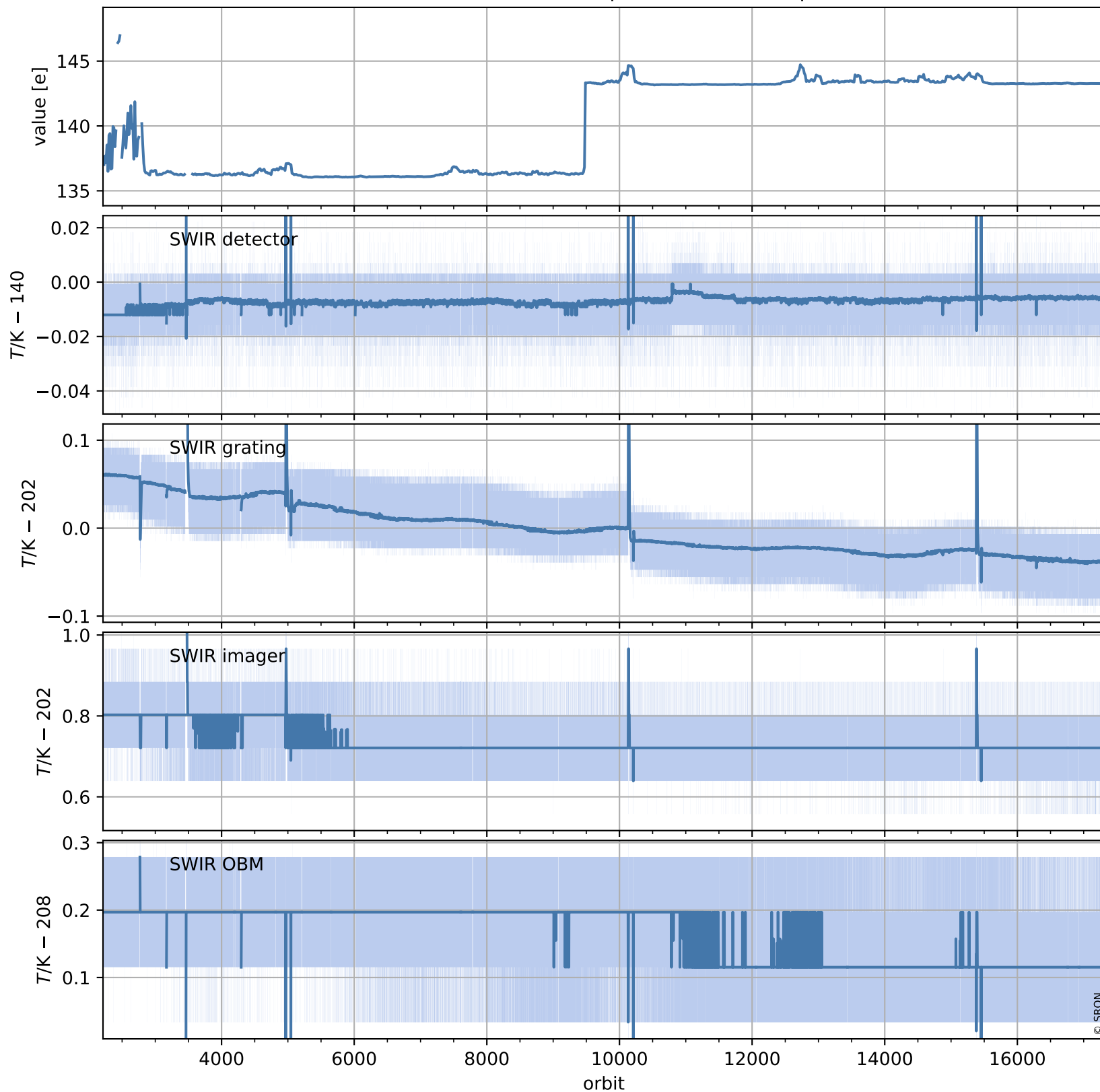
orbits : 13 in [17227, 17317]  
coverage : 2021-02-08 / 2021-02-15  
created : 2023-08-21T15:52:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 17317]  
coverage : 2018-03-18 / 2021-02-15  
created : 2023-08-21T15:52:48

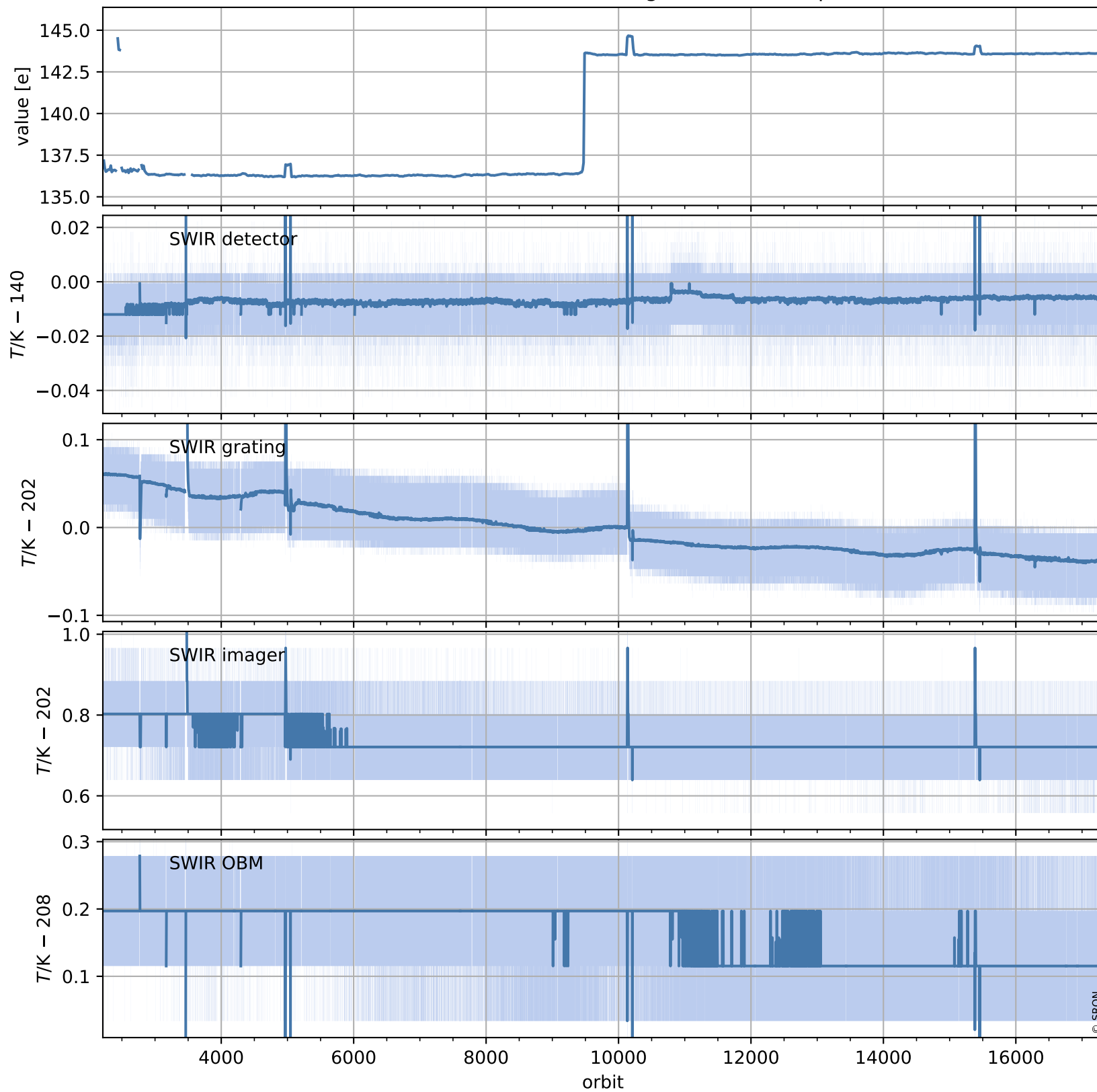
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17317]  
coverage : 2018-03-18 / 2021-02-15  
created : 2023-08-21T15:52:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17317]  
coverage : 2018-03-18 / 2021-02-15  
created : 2023-08-21T15:52:49

## trend of normalized read-noise & temperatures

