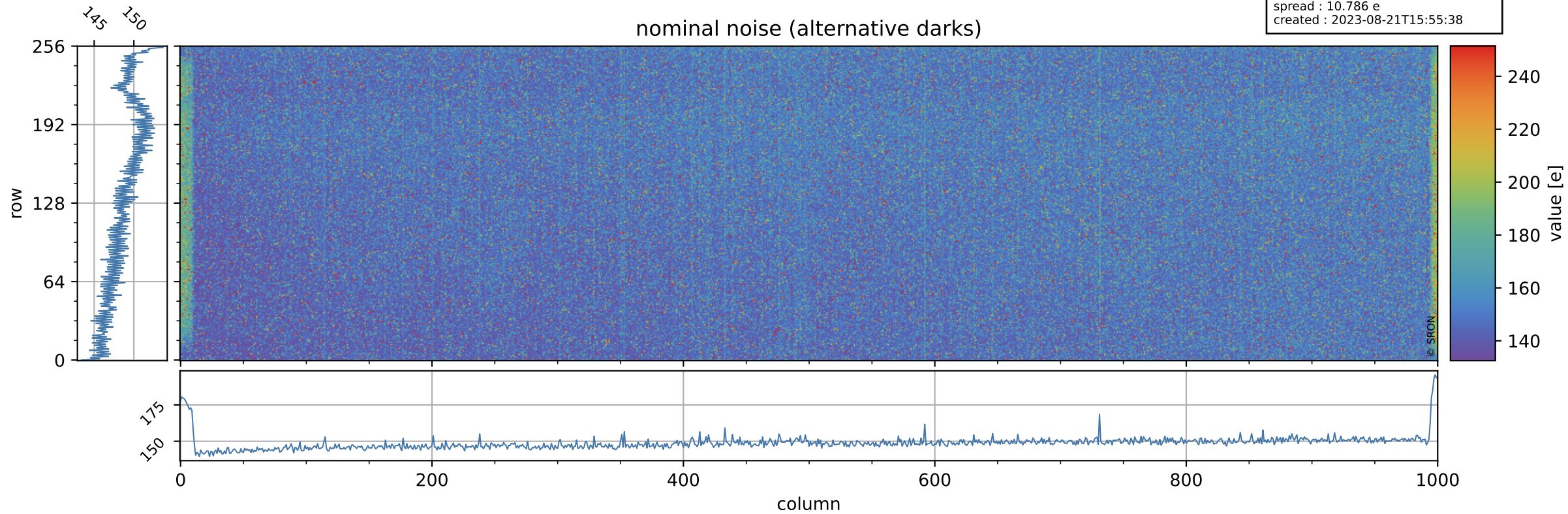


# Tropomi SWIR background noise (swir)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.62 e  
spread : 10.786 e  
created : 2023-08-21T15:55:38

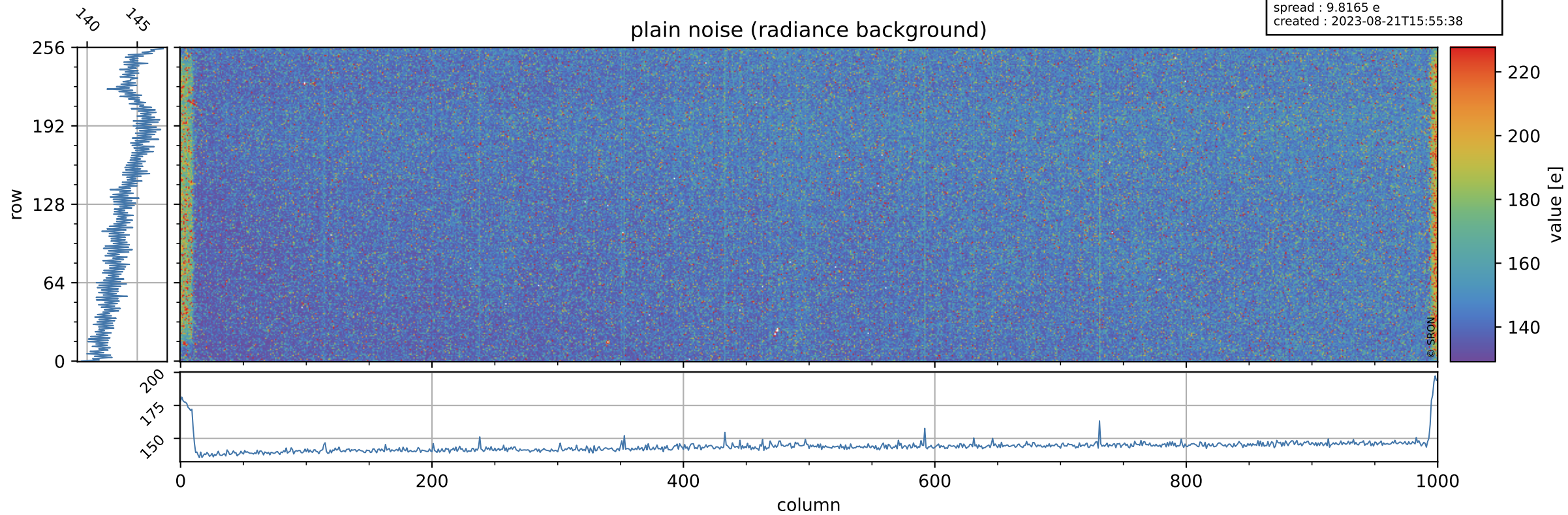
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.8165 e  
created : 2023-08-21T15:55:38

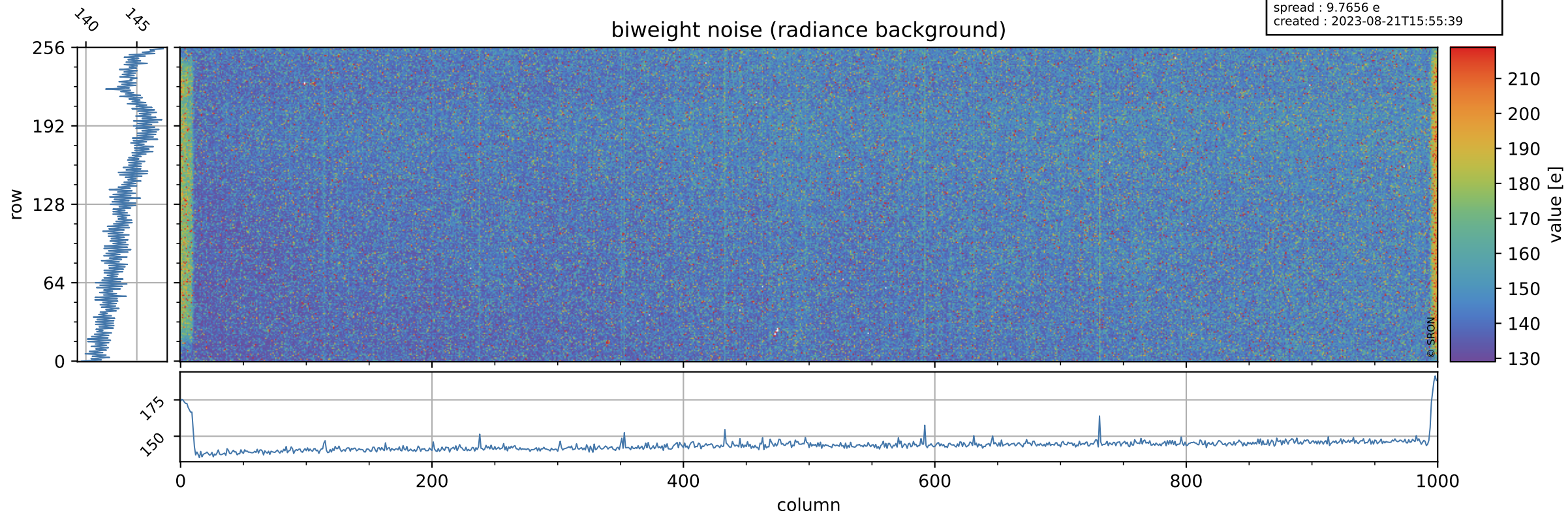
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7656 e  
created : 2023-08-21T15:55:39

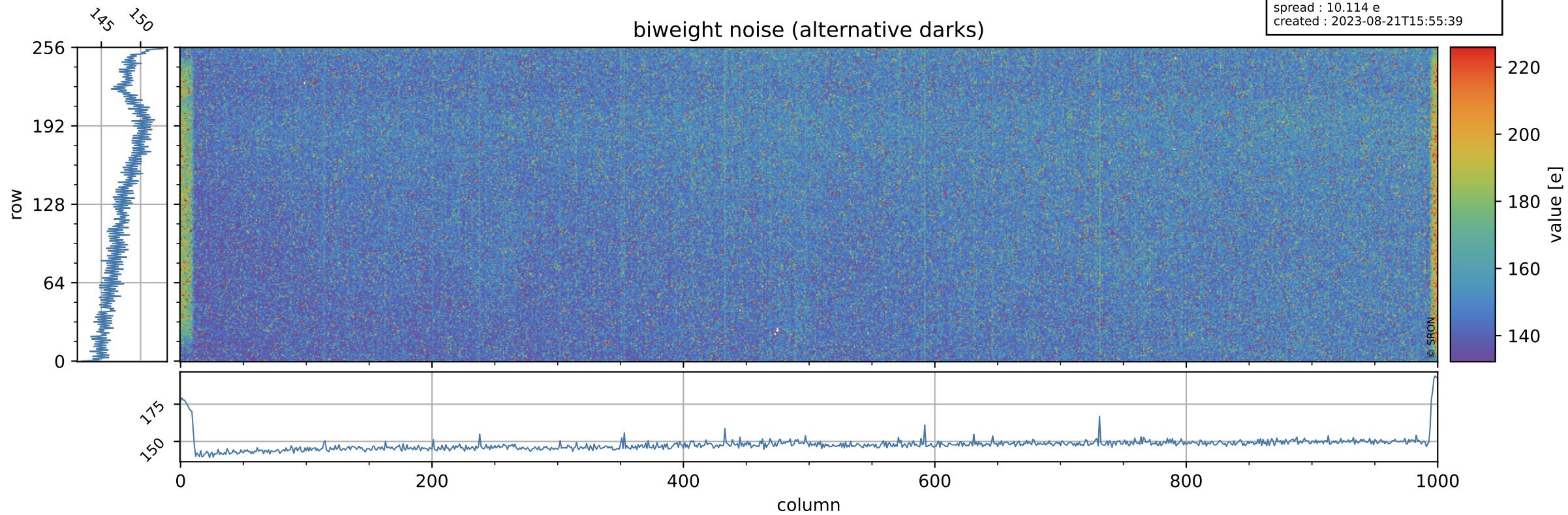
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.114 e  
created : 2023-08-21T15:55:39

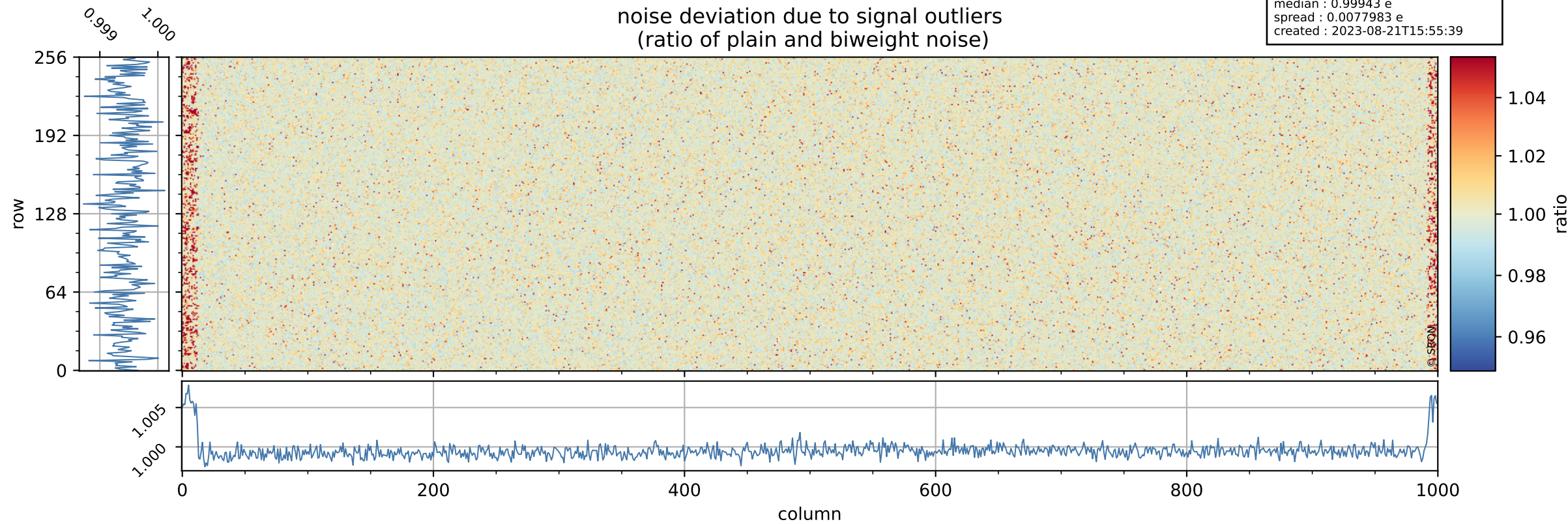
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

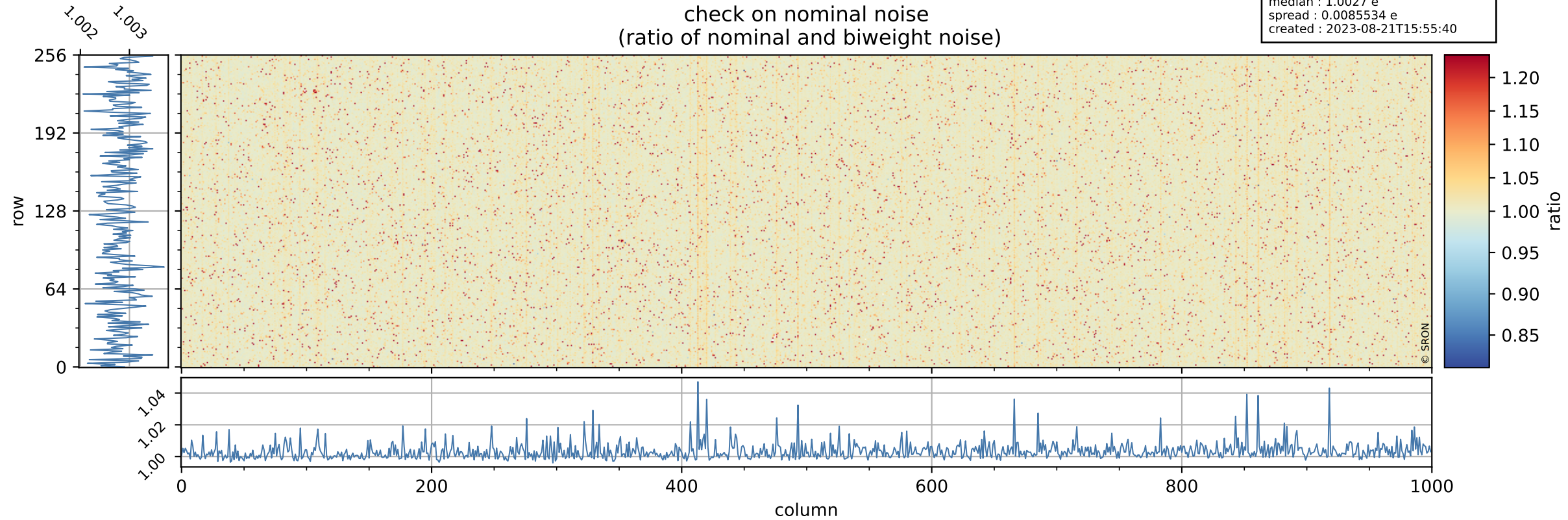
orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
median : 0.99943 e  
spread : 0.0077983 e  
created : 2023-08-21T15:55:39



# Tropomi SWIR background noise (swir)

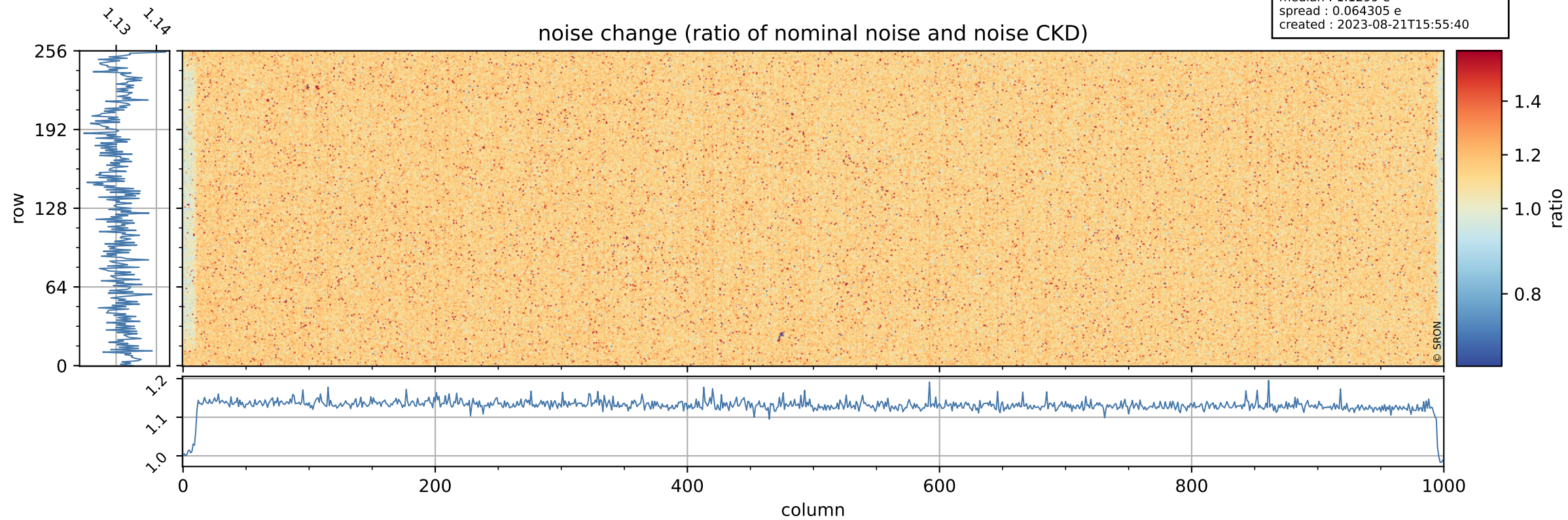
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
median : 1.0027 e  
spread : 0.0085534 e  
created : 2023-08-21T15:55:40



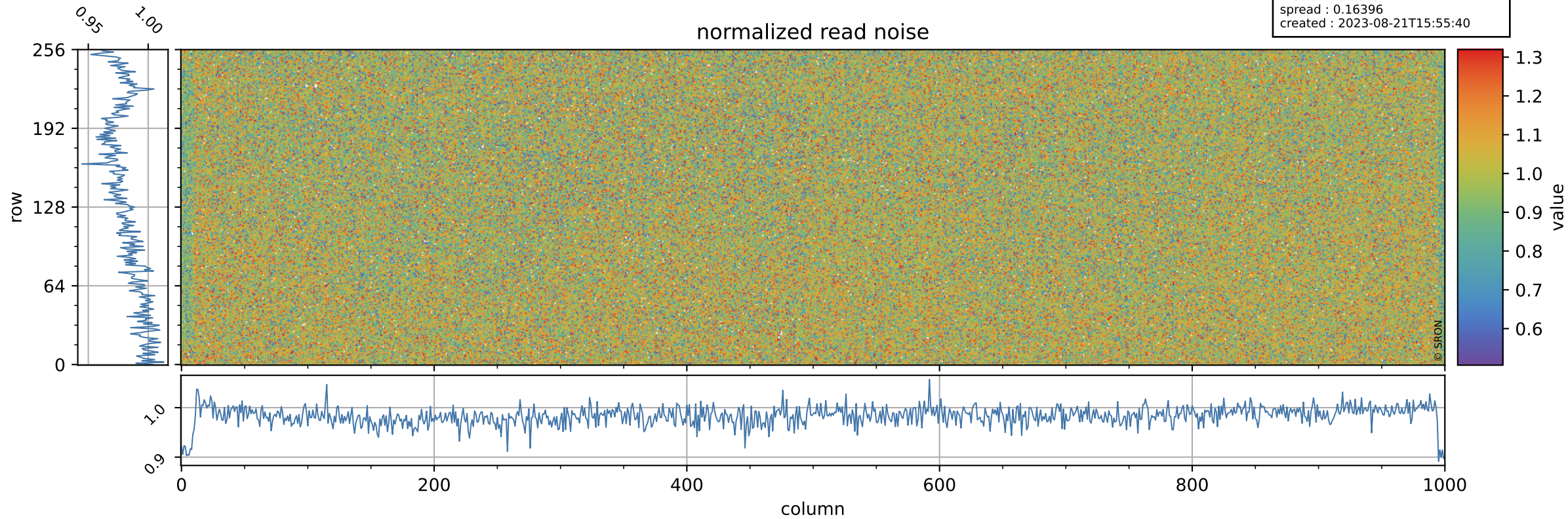
# Tropomi SWIR background noise (swir)

orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
median : 1.1299 e  
spread : 0.064305 e  
created : 2023-08-21T15:55:40



# Tropomi SWIR background noise (swir)

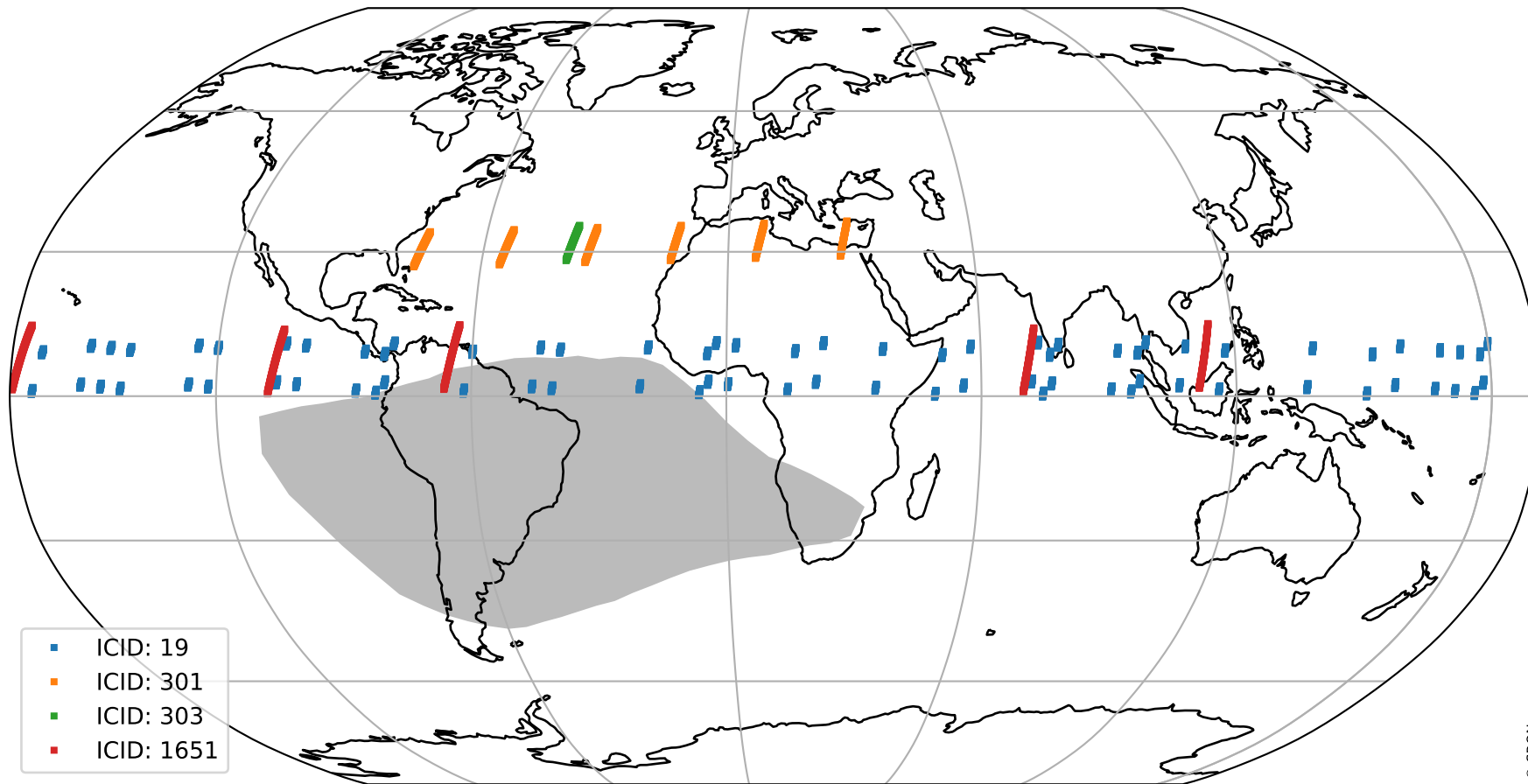
orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
median : 0.98201  
spread : 0.16396  
created : 2023-08-21T15:55:40





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

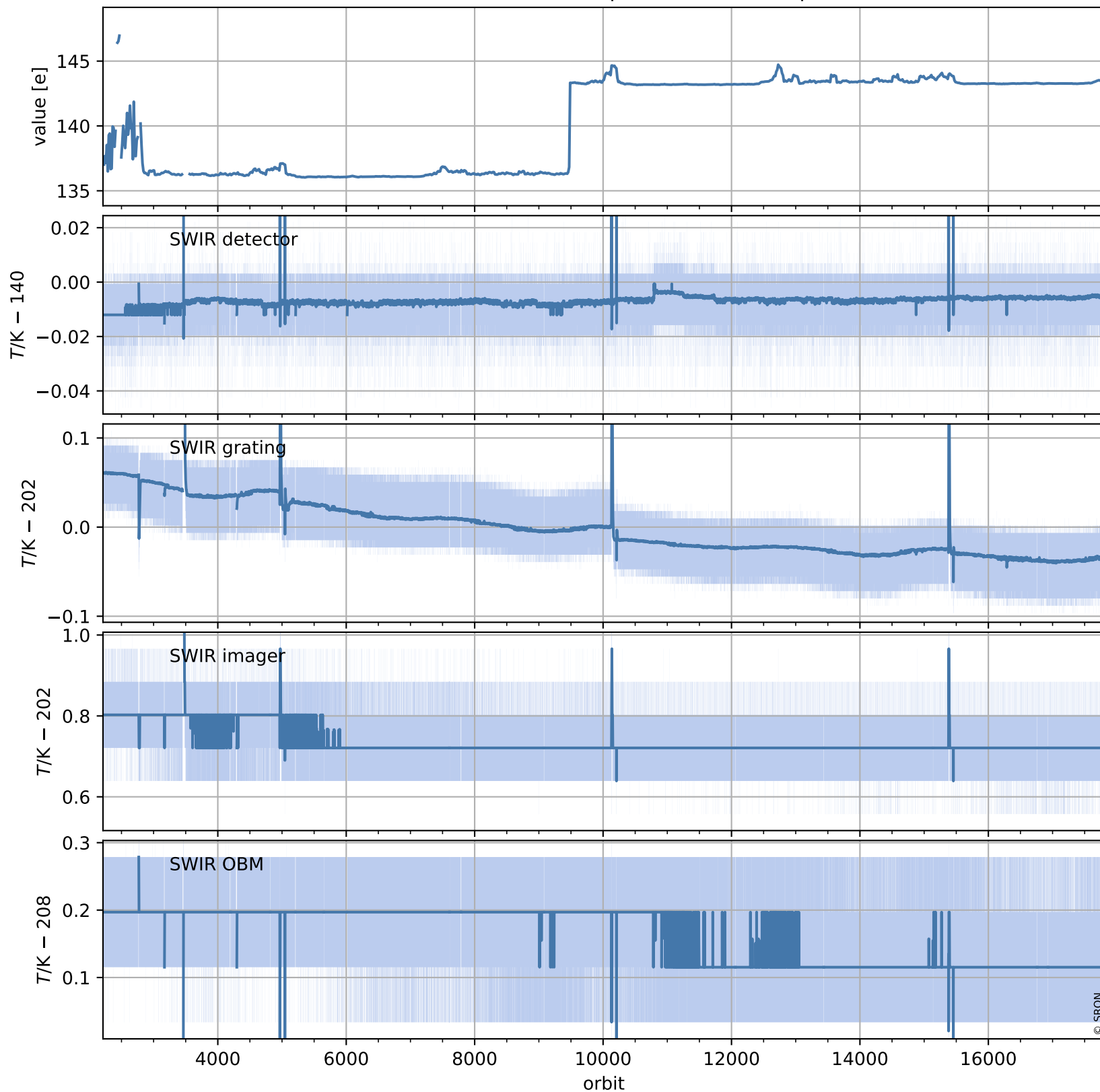
orbits : 12 in [17722, 17812]  
coverage : 2021-03-15 / 2021-03-21  
created : 2023-08-21T15:55:41



# Tropomi SWIR background noise (swir)

orbits : [2212, 17812]  
coverage : 2018-03-18 / 2021-03-21  
created : 2023-08-21T15:55:41

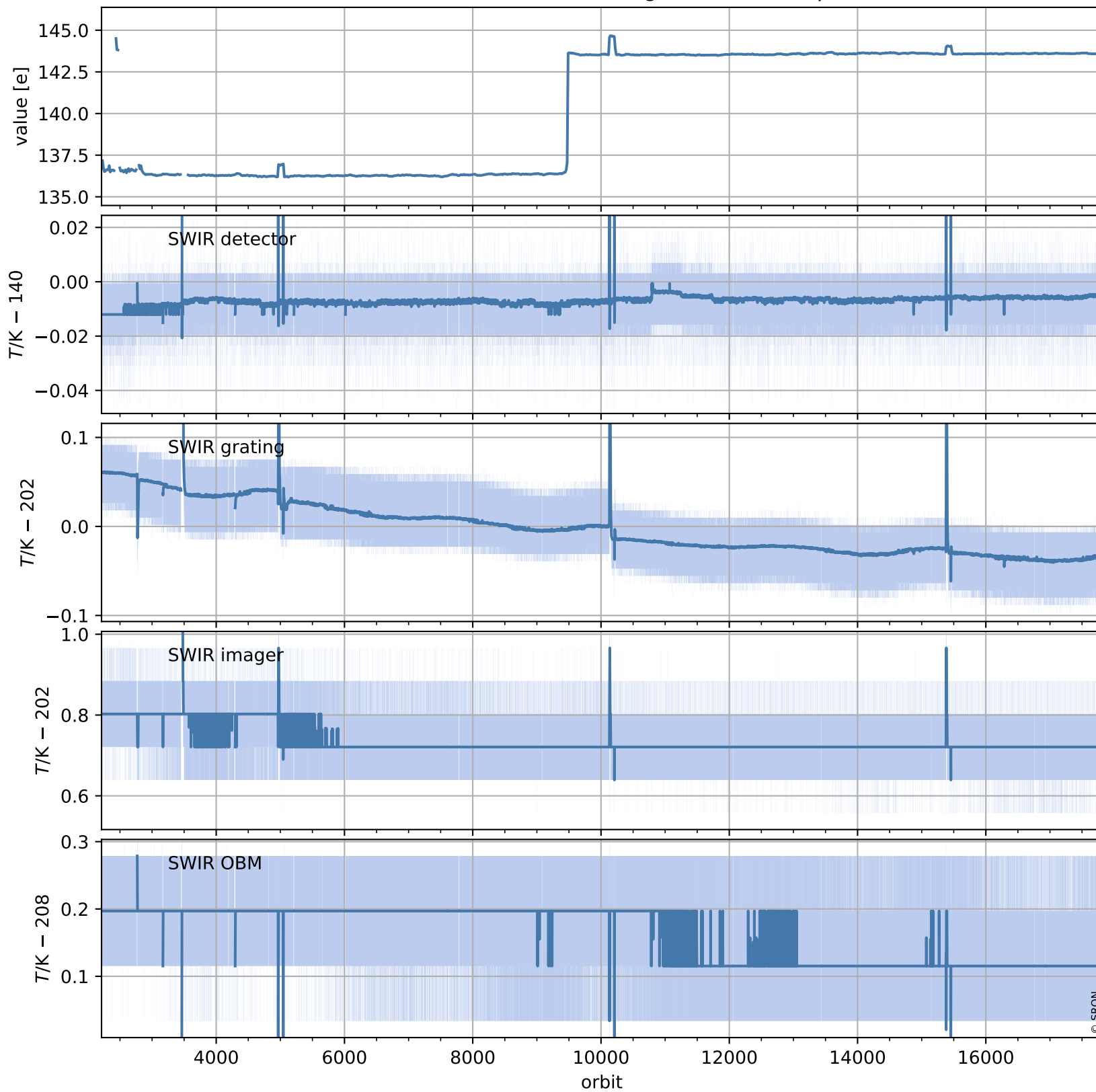
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17812]  
coverage : 2018-03-18 / 2021-03-21  
created : 2023-08-21T15:55:42

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17812]  
coverage : 2018-03-18 / 2021-03-21  
created : 2023-08-21T15:55:42

## trend of normalized read-noise & temperatures

