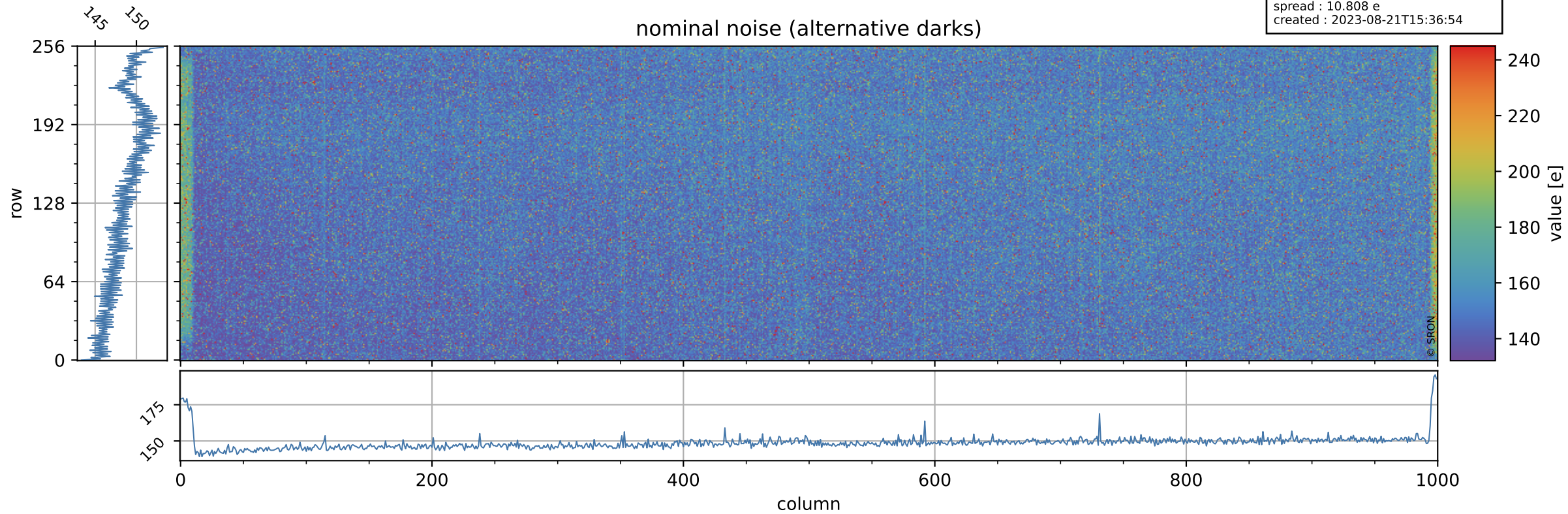


# Tropomi SWIR background noise (swir)

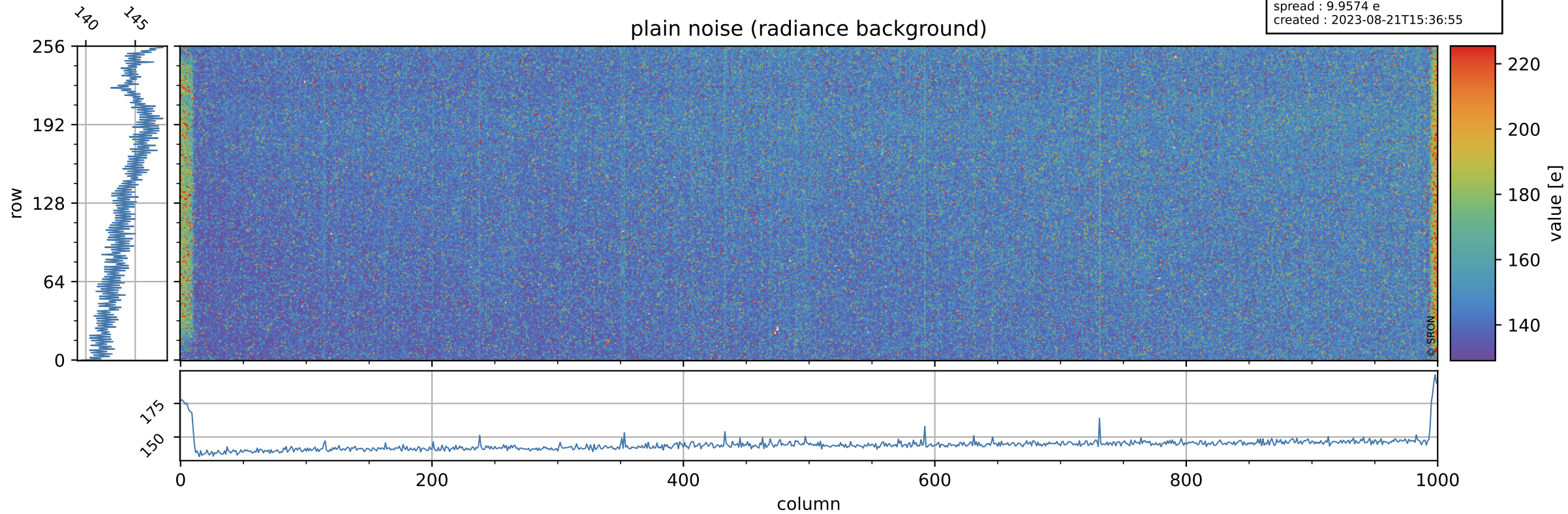
orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.808 e  
created : 2023-08-21T15:36:54



# Tropomi SWIR background noise (swir)

orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
n\_coad, t\_exp : 1, 0.8383  
median : 143.95 e  
spread : 9.9574 e  
created : 2023-08-21T15:36:55

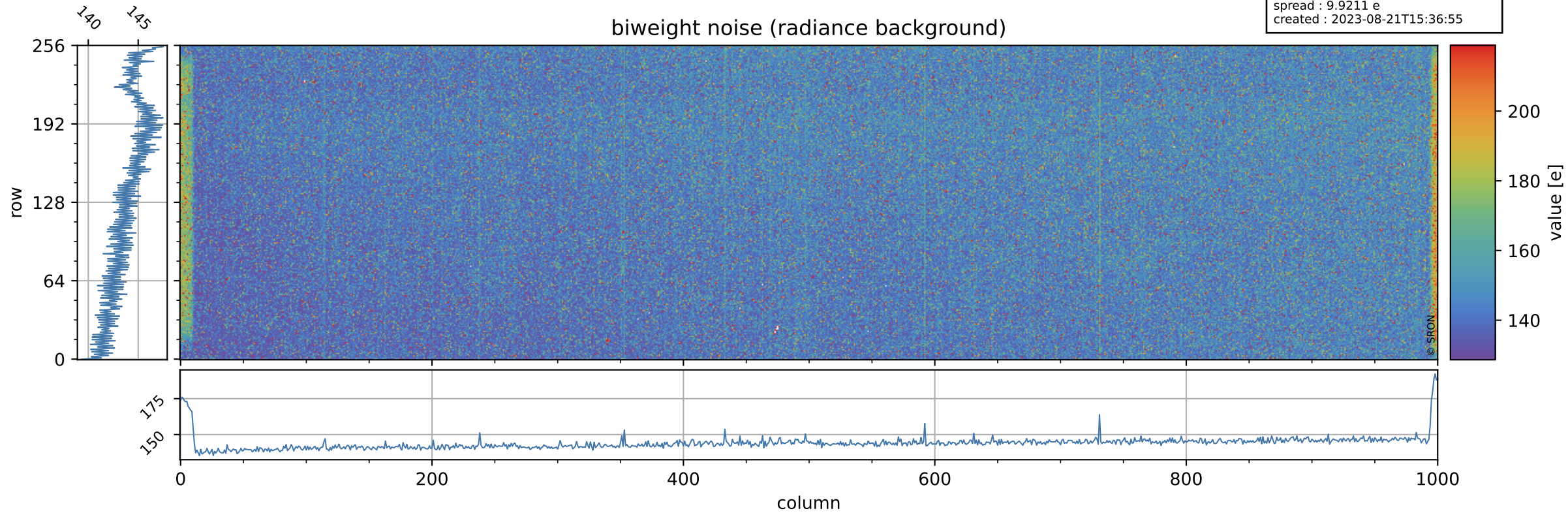
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.9211 e  
created : 2023-08-21T15:36:55

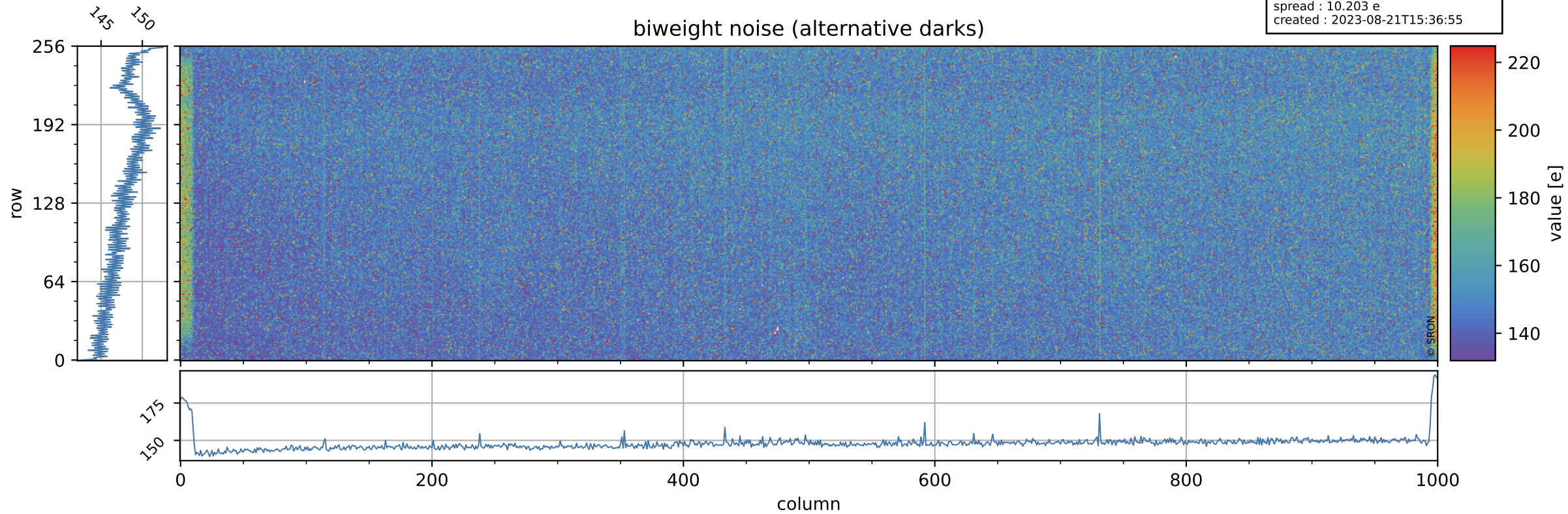
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.203 e  
created : 2023-08-21T15:36:55

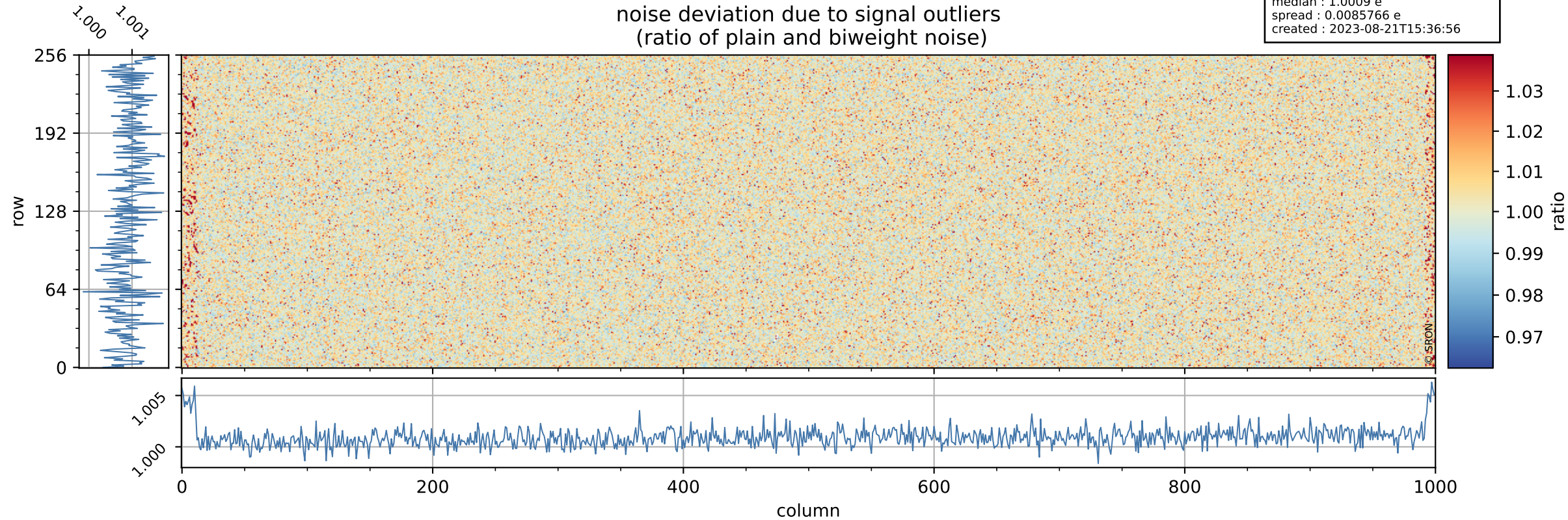
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

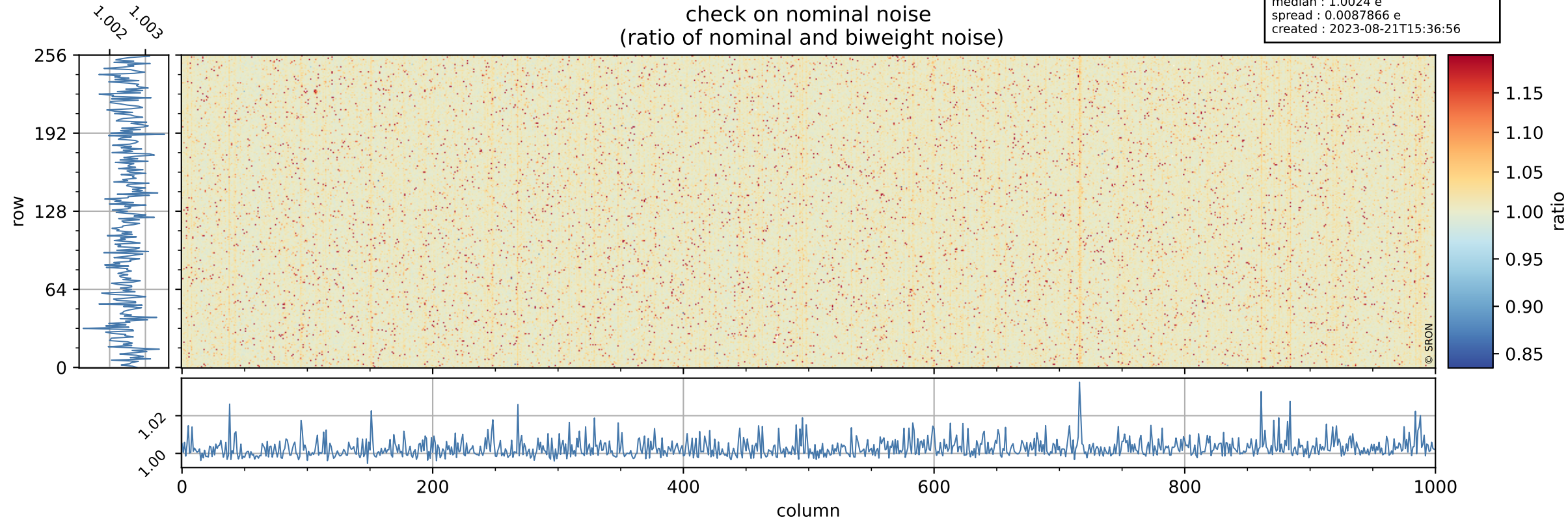
orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
median : 1.0009 e  
spread : 0.0085766 e  
created : 2023-08-21T15:36:56



# Tropomi SWIR background noise (swir)

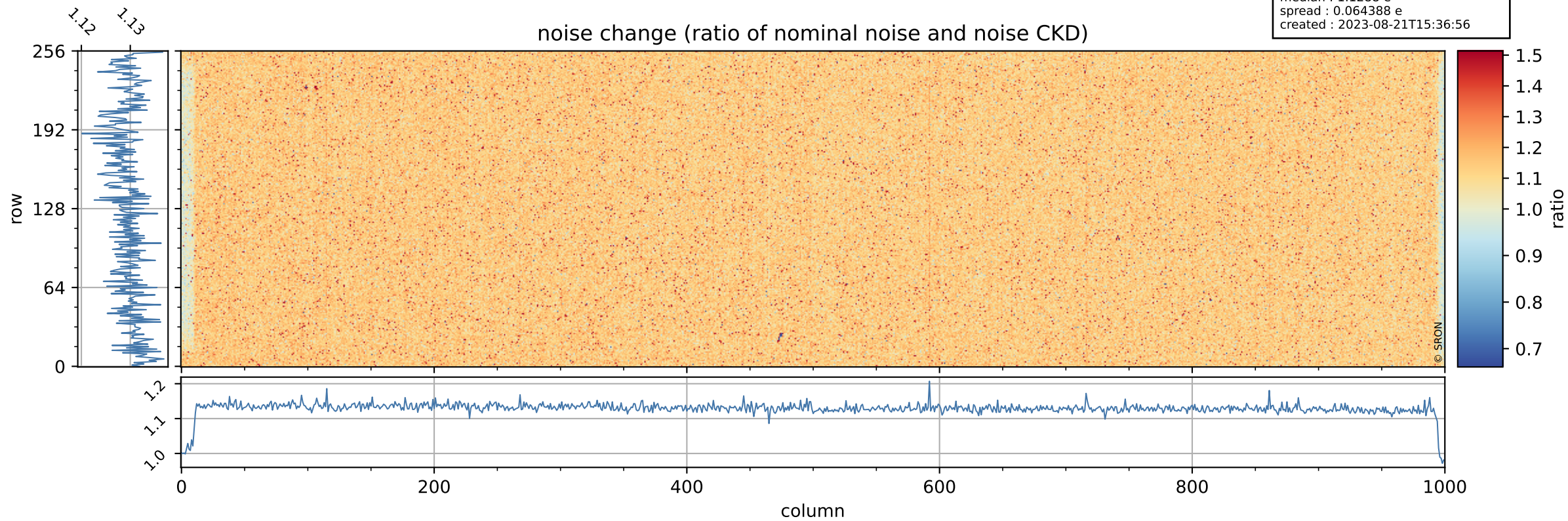
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
median : 1.0024 e  
spread : 0.0087866 e  
created : 2023-08-21T15:36:56



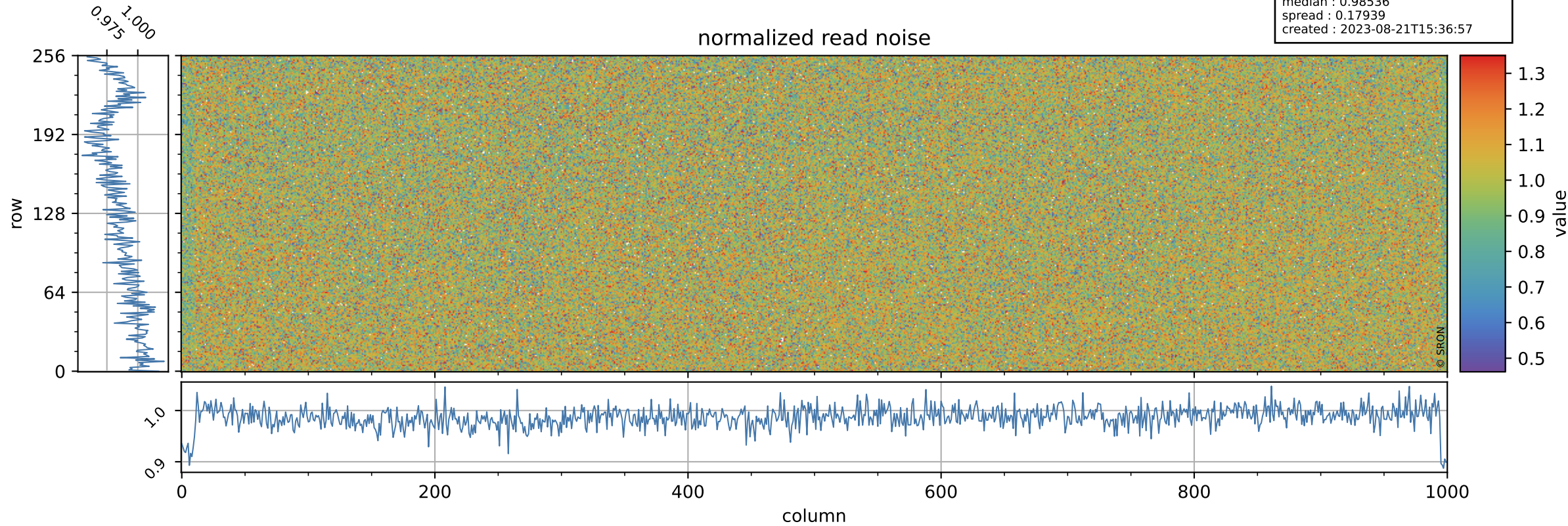
# Tropomi SWIR background noise (swir)

orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
median : 1.1288 e  
spread : 0.064388 e  
created : 2023-08-21T15:36:56



# Tropomi SWIR background noise (swir)

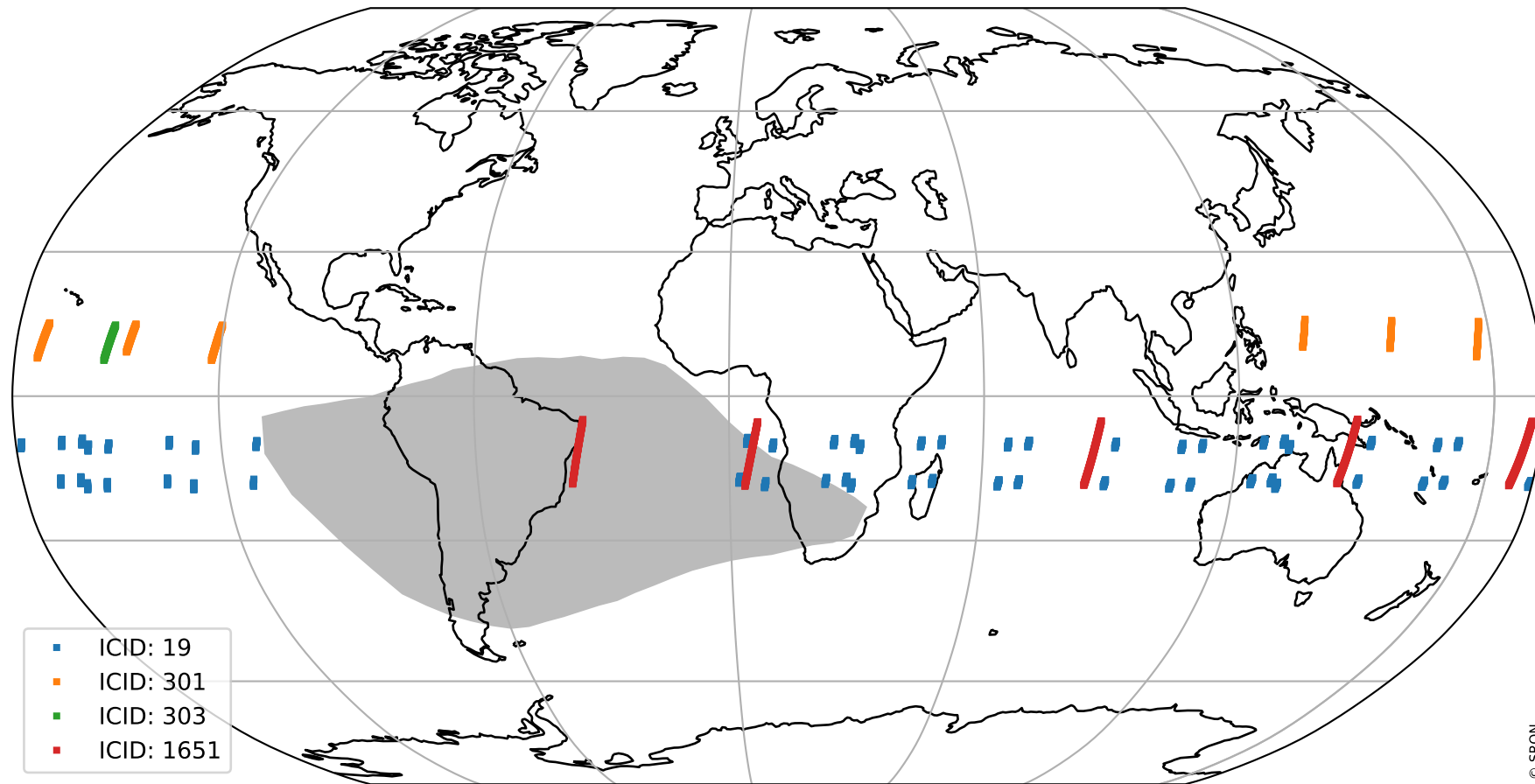
orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
median : 0.98536  
spread : 0.17939  
created : 2023-08-21T15:36:57





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

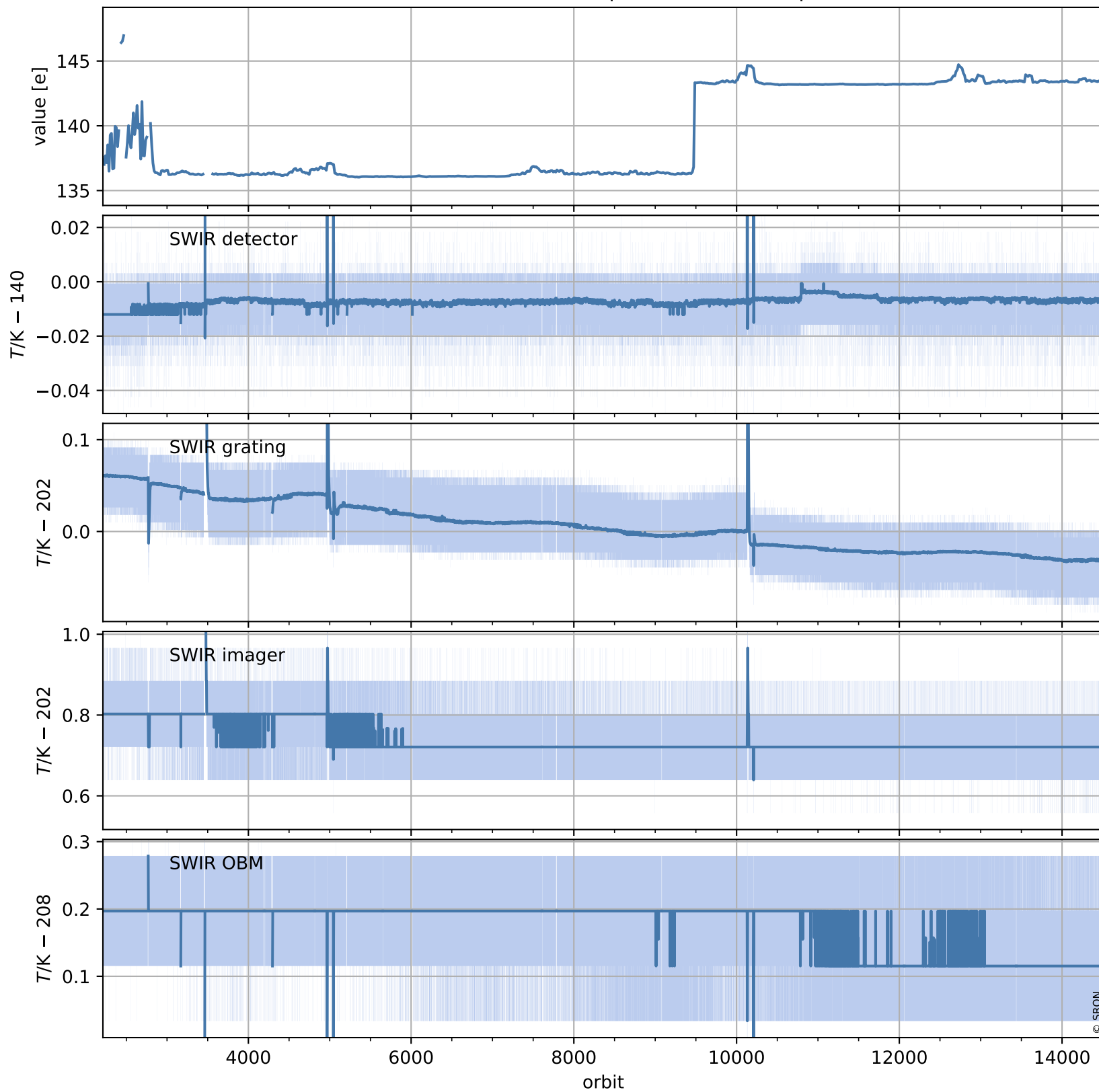
orbits : 12 in [14437, 14512]  
coverage : 2020-07-26 / 2020-07-31  
created : 2023-08-21T15:36:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 14512]  
coverage : 2018-03-18 / 2020-07-31  
created : 2023-08-21T15:36:57

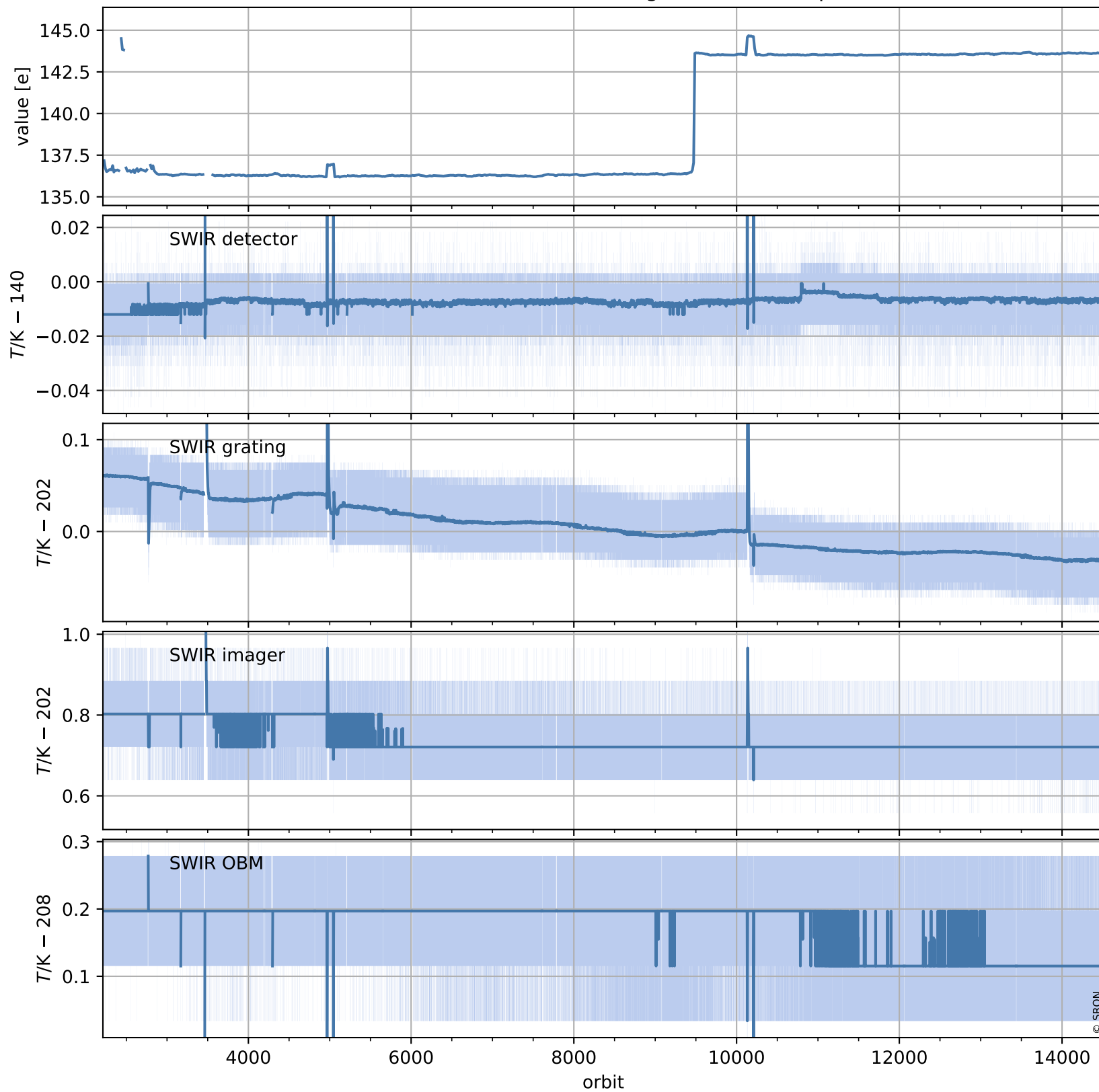
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14512]  
coverage : 2018-03-18 / 2020-07-31  
created : 2023-08-21T15:36:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14512]  
coverage : 2018-03-18 / 2020-07-31  
created : 2023-08-21T15:36:59

## trend of normalized read-noise & temperatures

