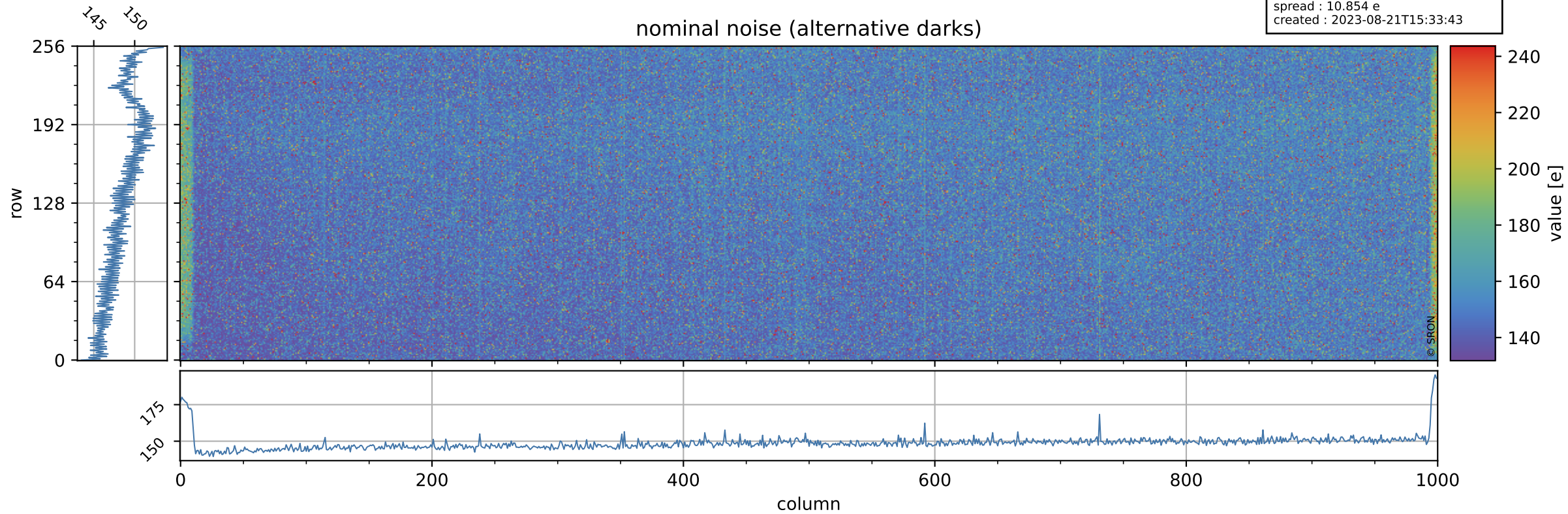


# Tropomi SWIR background noise (swir)

orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.854 e  
created : 2023-08-21T15:33:43

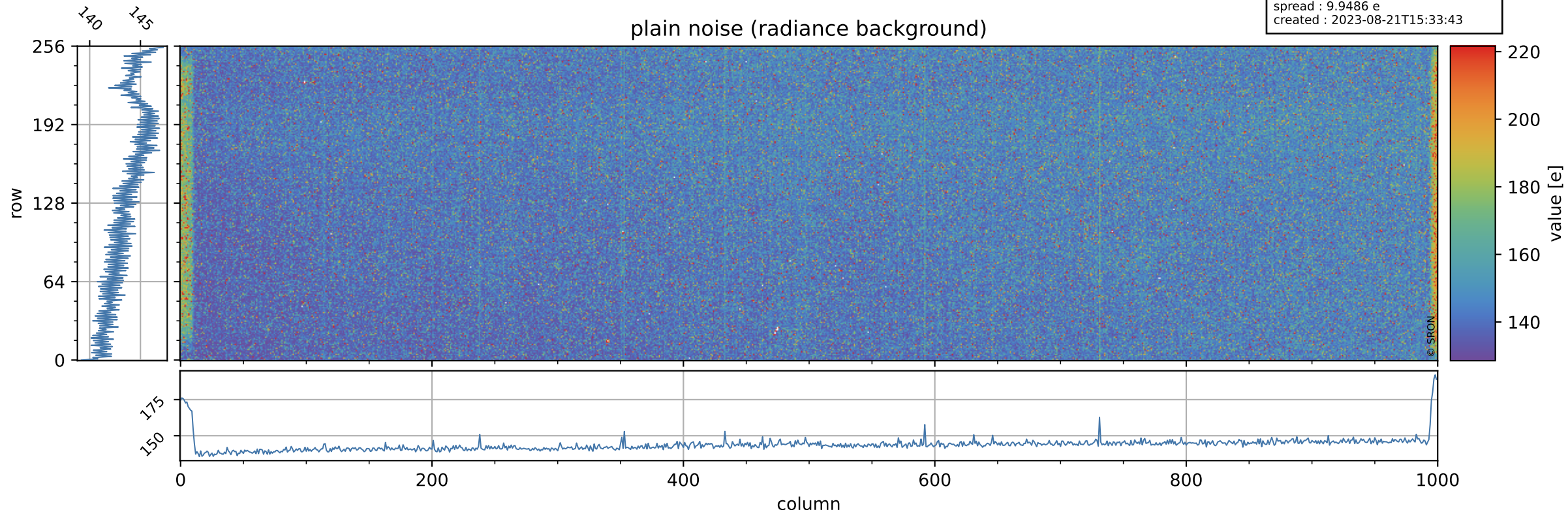
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.9486 e  
created : 2023-08-21T15:33:43

plain noise (radiance background)

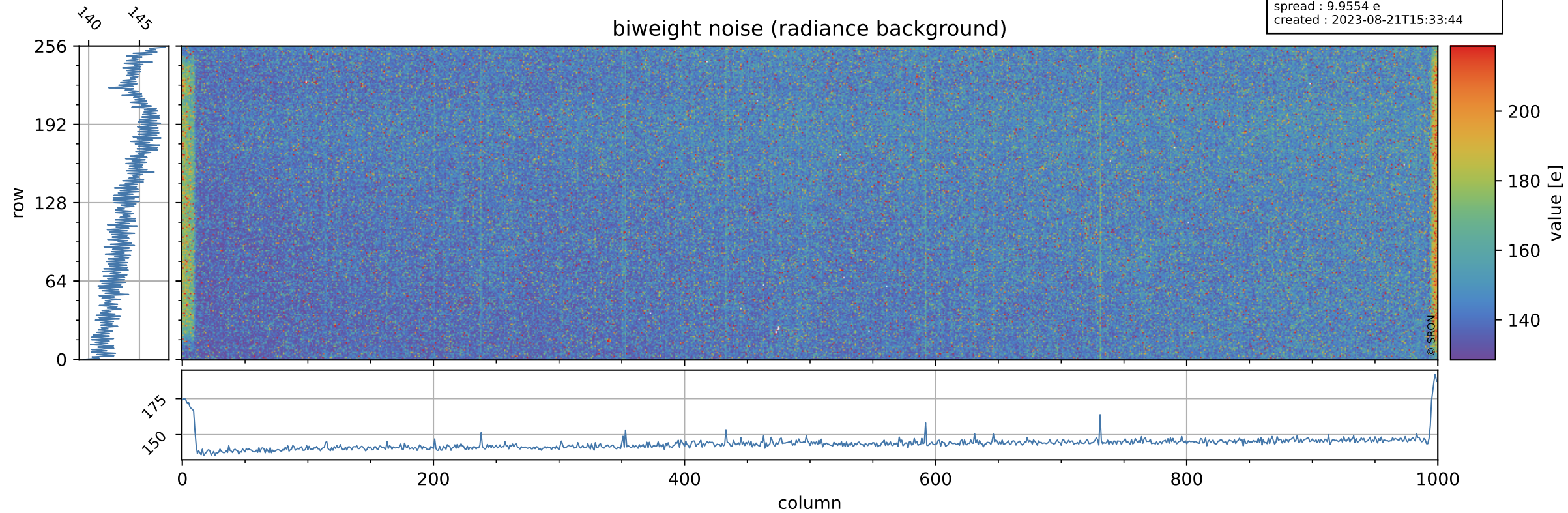




# Tropomi SWIR background noise (swir)

orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.9554 e  
created : 2023-08-21T15:33:44

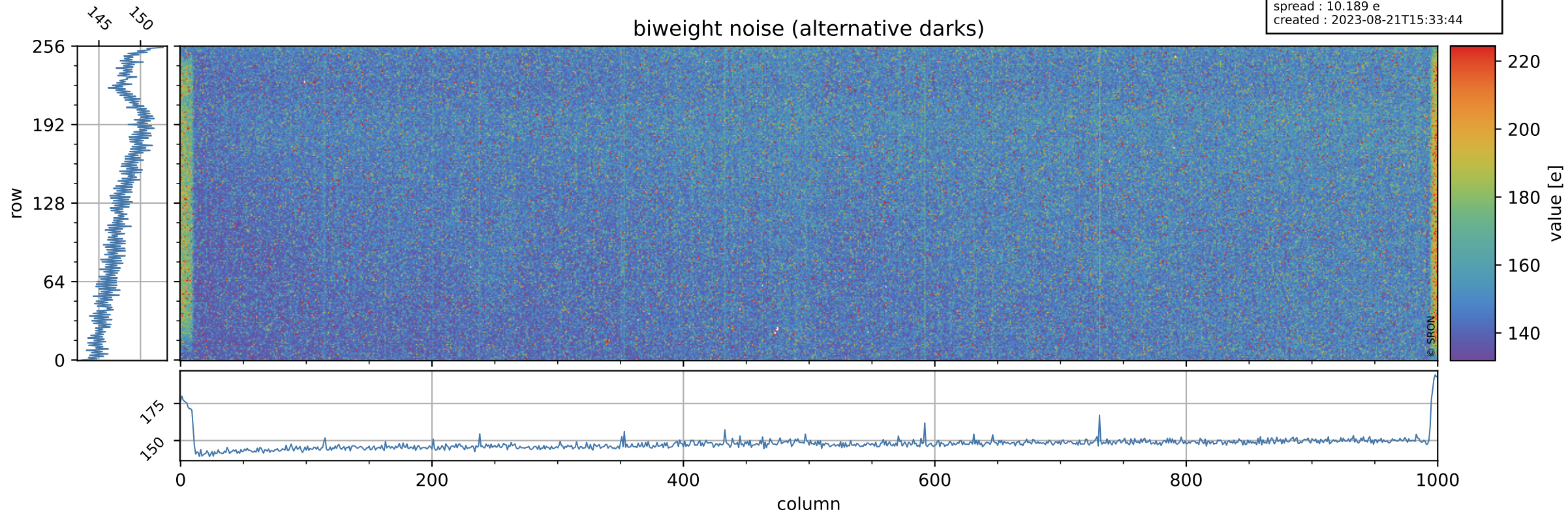
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.189 e  
created : 2023-08-21T15:33:44

## biweight noise (alternative darks)

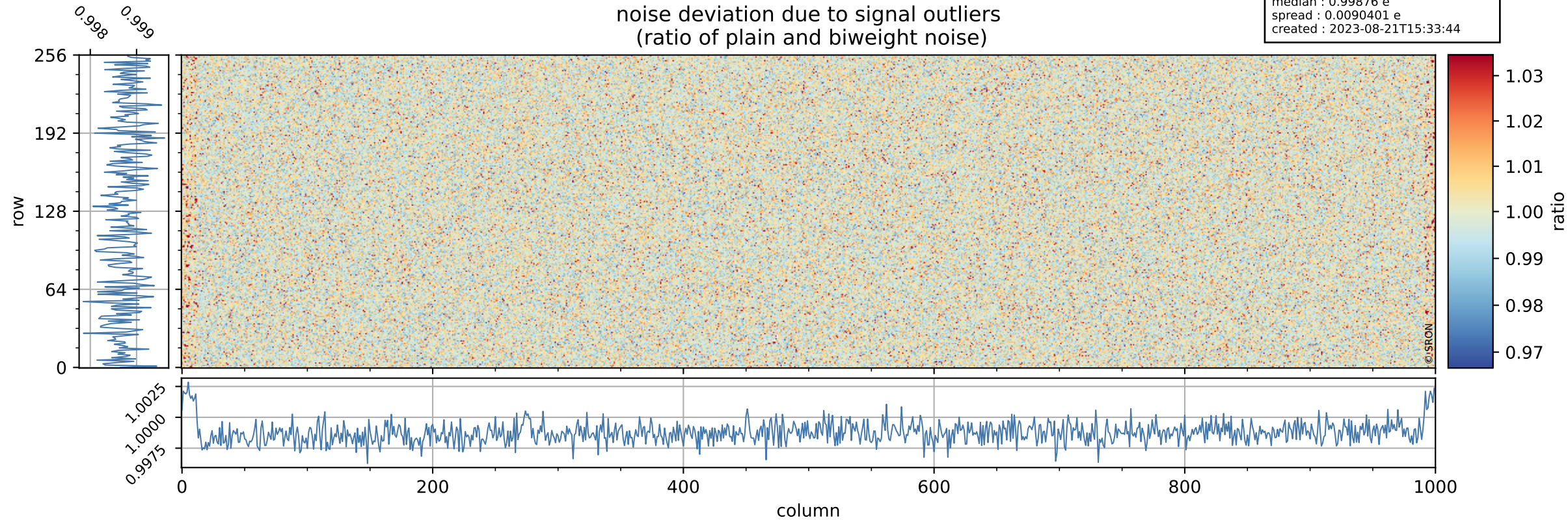




# Tropomi SWIR background noise (swir)

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

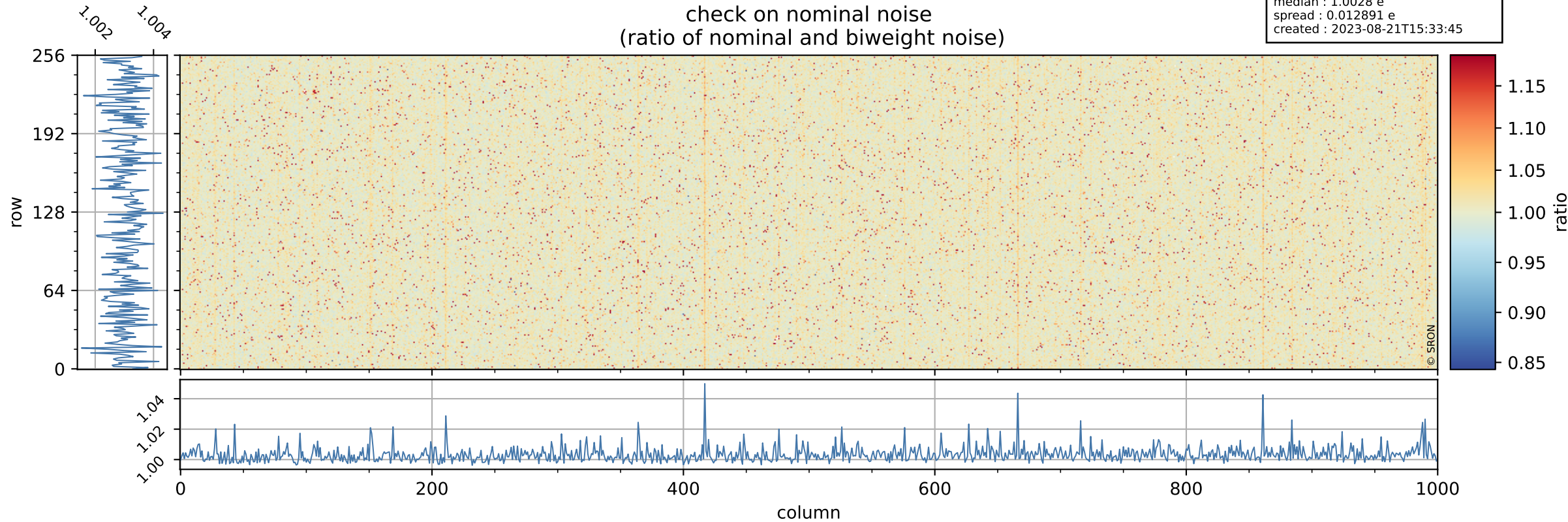
orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
median : 0.99876 e  
spread : 0.0090401 e  
created : 2023-08-21T15:33:44



# Tropomi SWIR background noise (swir)

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

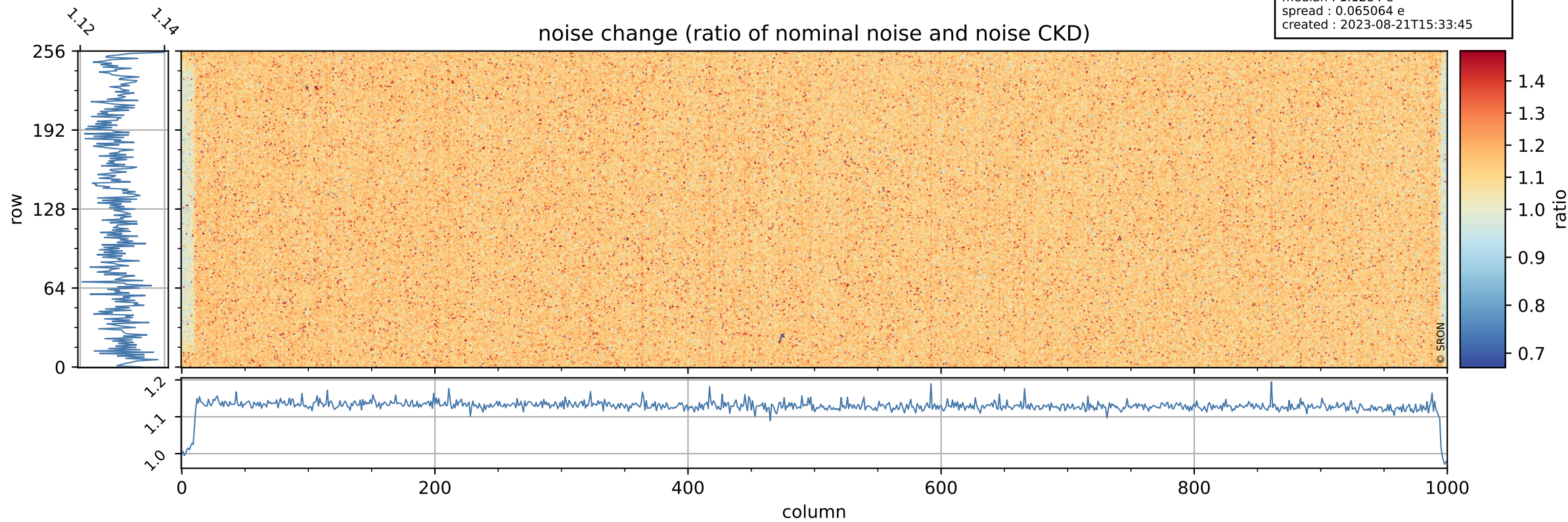
orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
median : 1.0028 e  
spread : 0.012891 e  
created : 2023-08-21T15:33:45





# Tropomi SWIR background noise (swir)

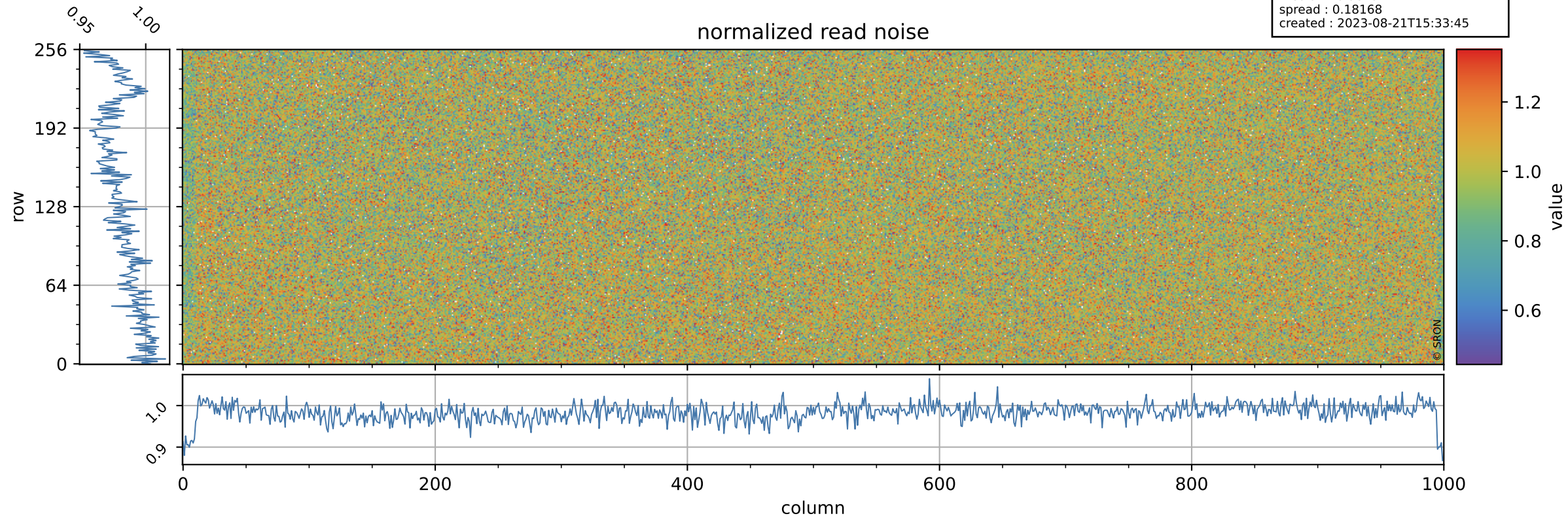
orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
median : 1.1284 e  
spread : 0.065064 e  
created : 2023-08-21T15:33:45





# Tropomi SWIR background noise (swir)

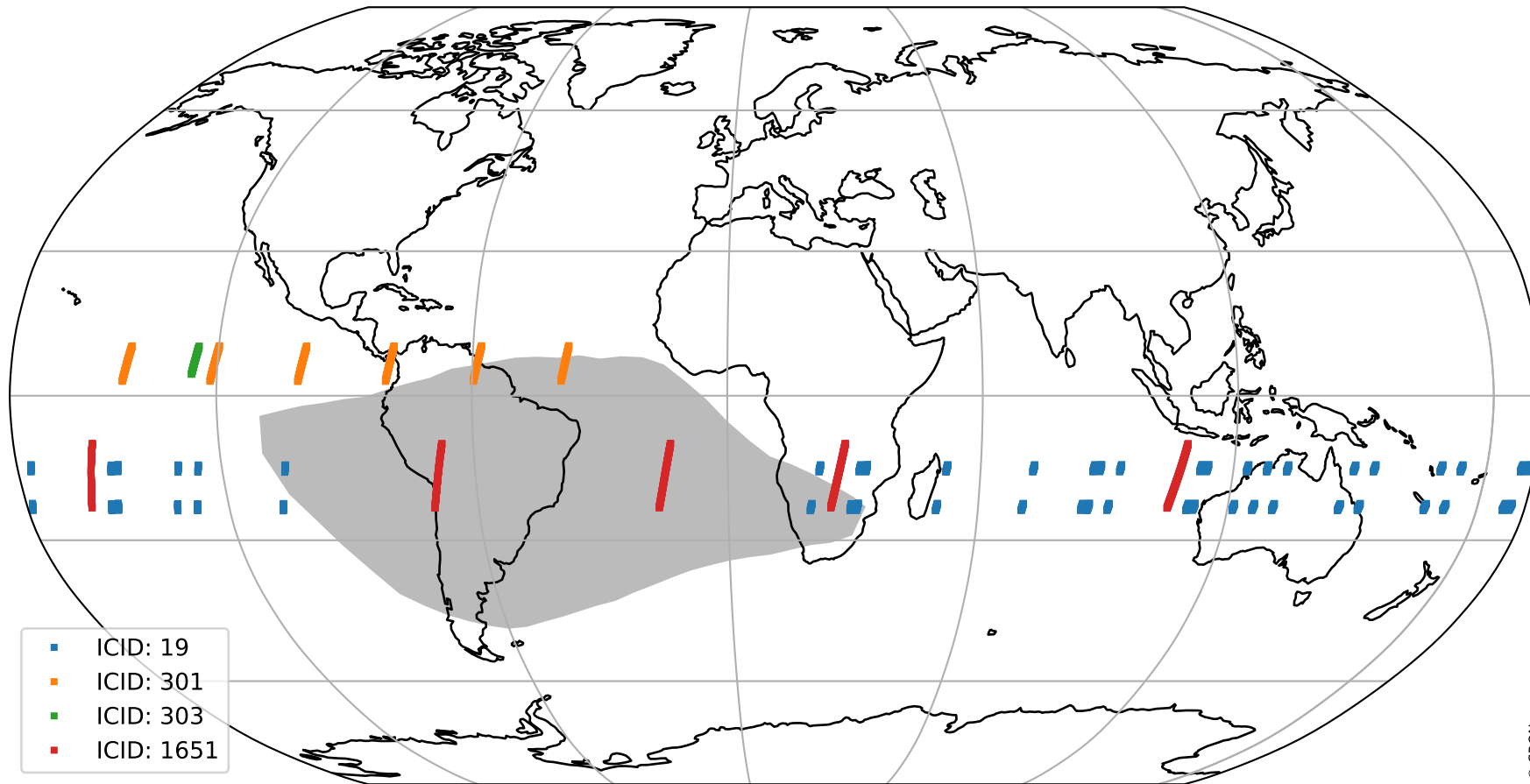
orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
median : 0.9819  
spread : 0.18168  
created : 2023-08-21T15:33:45





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

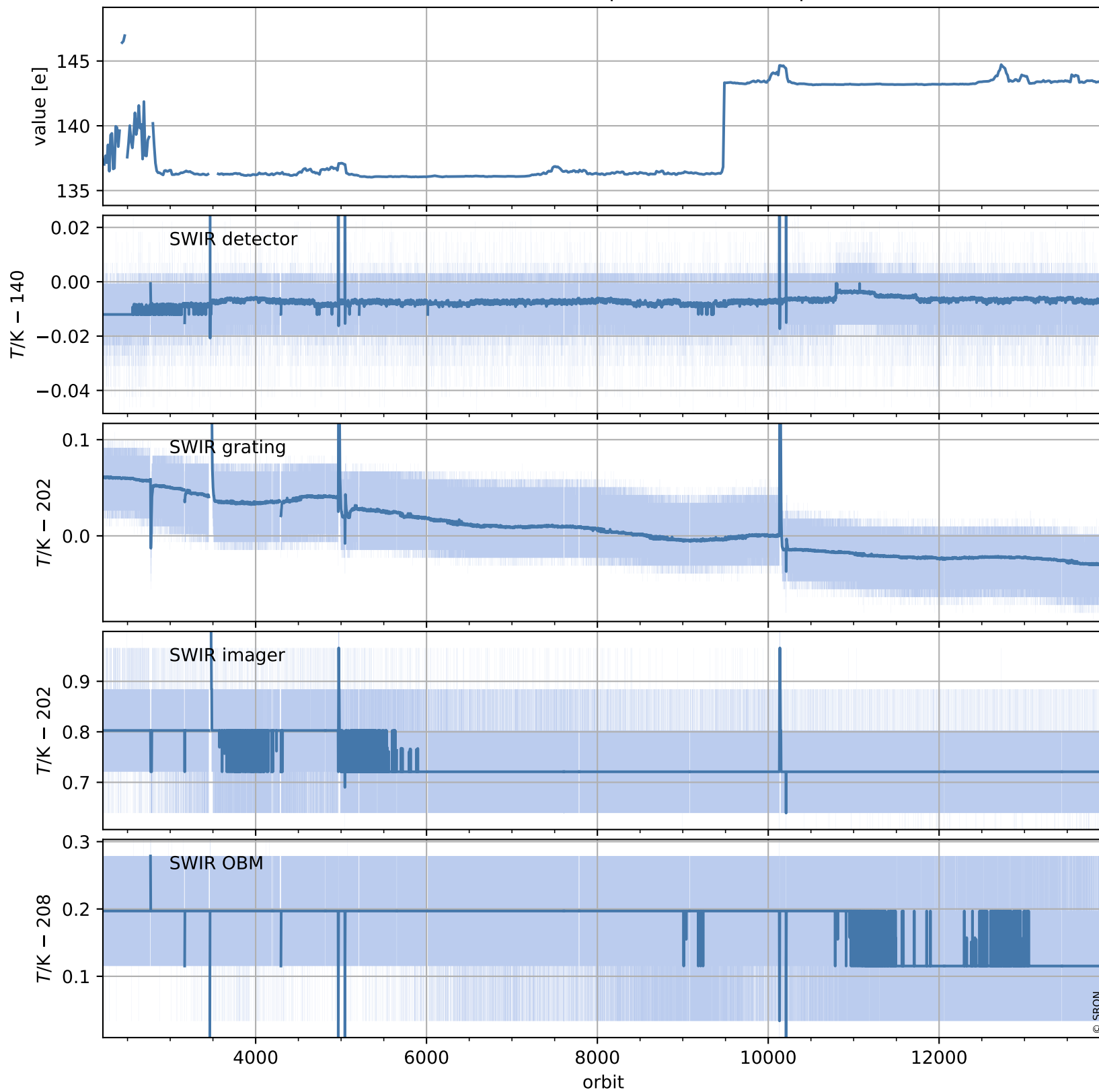
orbits : 12 in [13837, 13927]  
coverage : 2020-06-15 / 2020-06-21  
created : 2023-08-21T15:33:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 13927]  
coverage : 2018-03-18 / 2020-06-21  
created : 2023-08-21T15:33:46

## trend of detector median of plain noise & temperatures

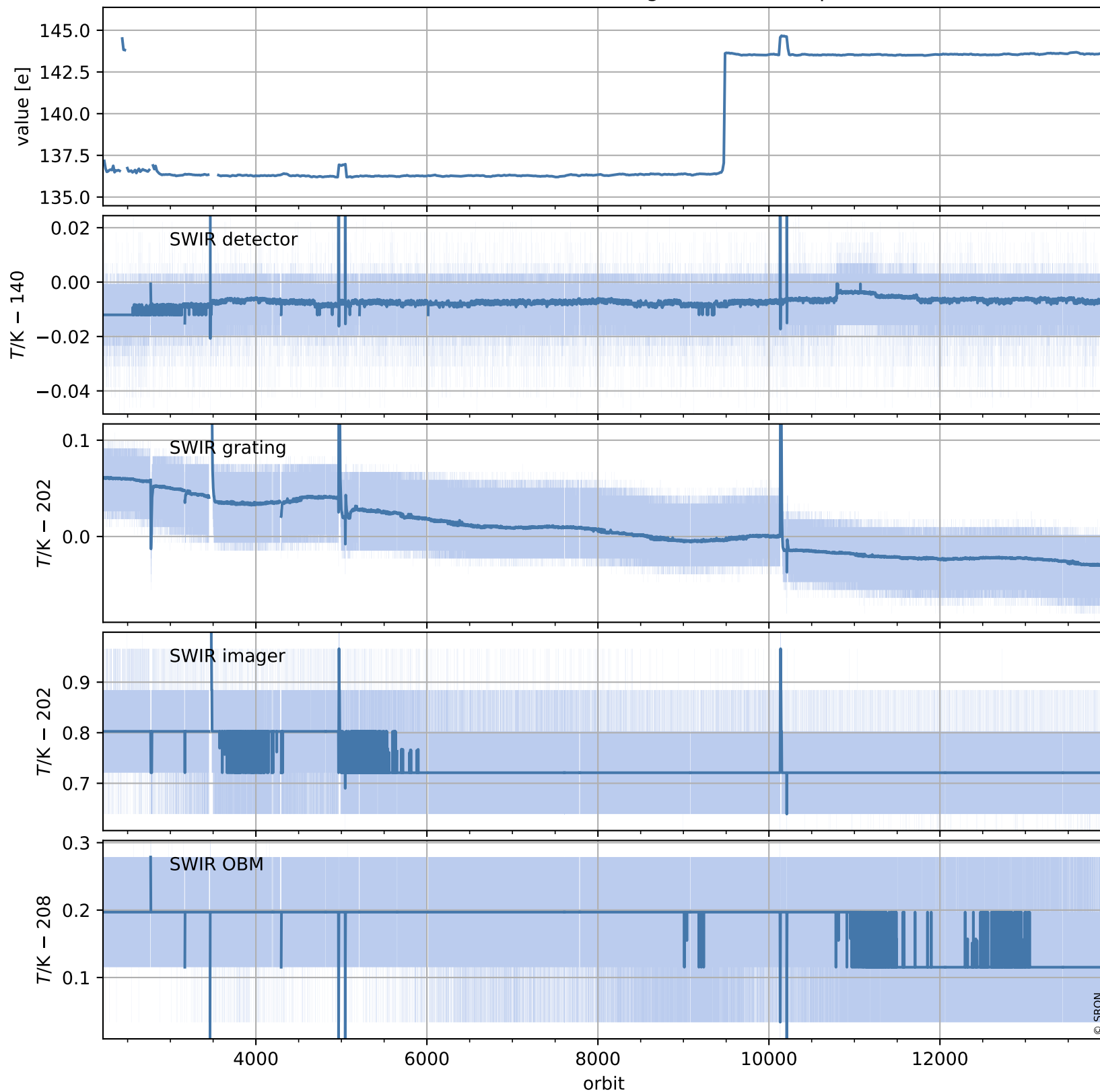




# Tropomi SWIR background noise (swir)

orbits : [2212, 13927]  
coverage : 2018-03-18 / 2020-06-21  
created : 2023-08-21T15:33:46

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13927]  
coverage : 2018-03-18 / 2020-06-21  
created : 2023-08-21T15:33:47

## trend of normalized read-noise & temperatures

