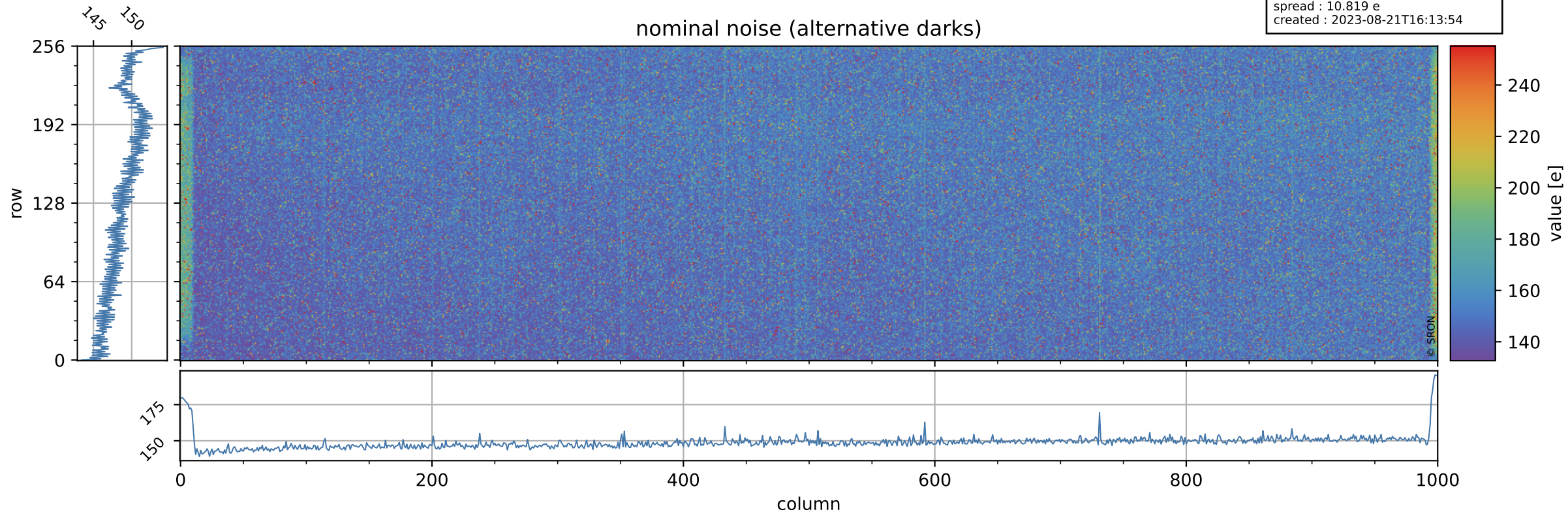


# Tropomi SWIR background noise (swir)

orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.7 e  
spread : 10.819 e  
created : 2023-08-21T16:13:54

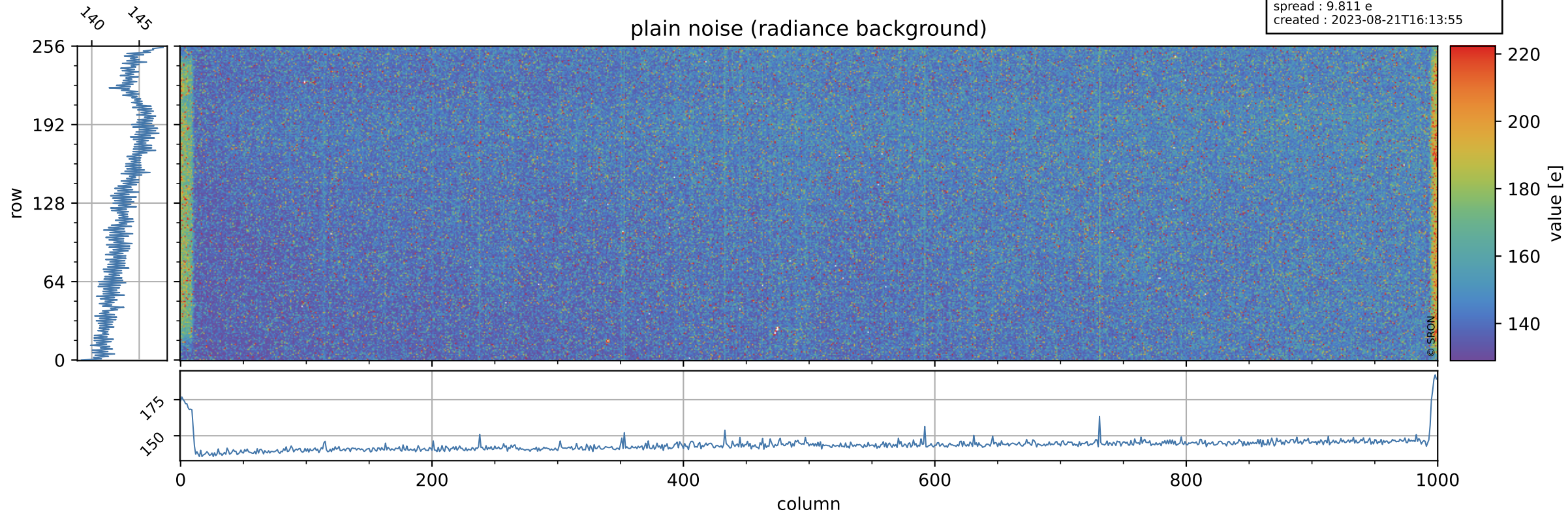
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.45 e  
spread : 9.811 e  
created : 2023-08-21T16:13:55

plain noise (radiance background)

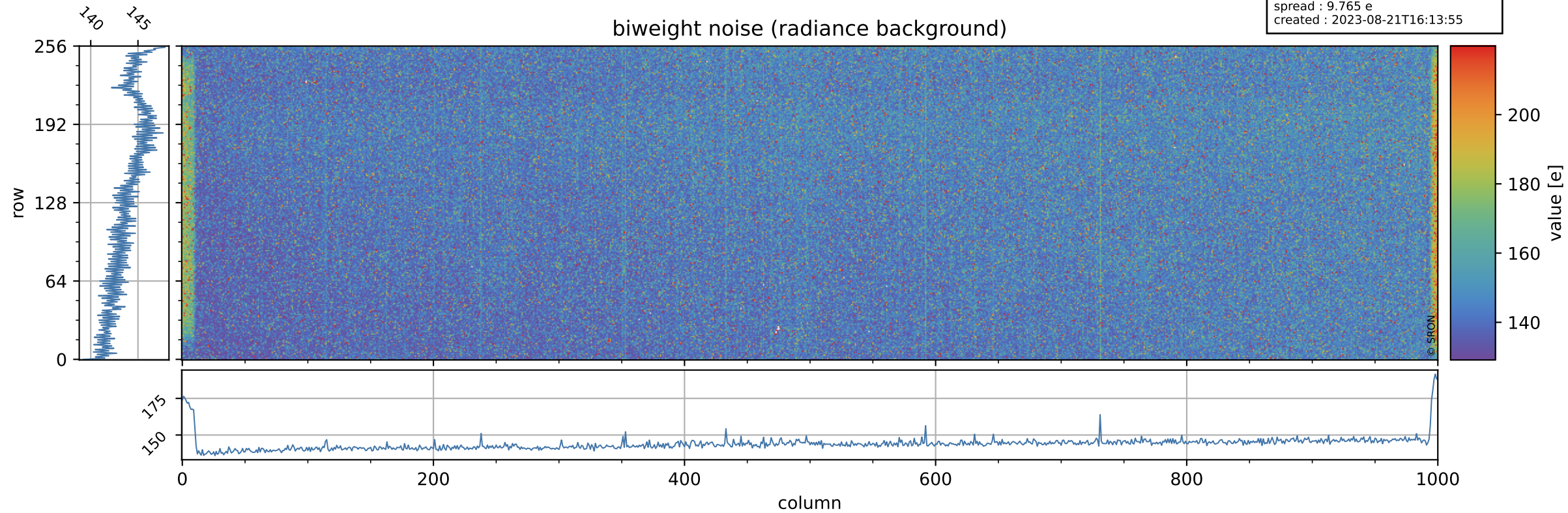




# Tropomi SWIR background noise (swir)

orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.765 e  
created : 2023-08-21T16:13:55

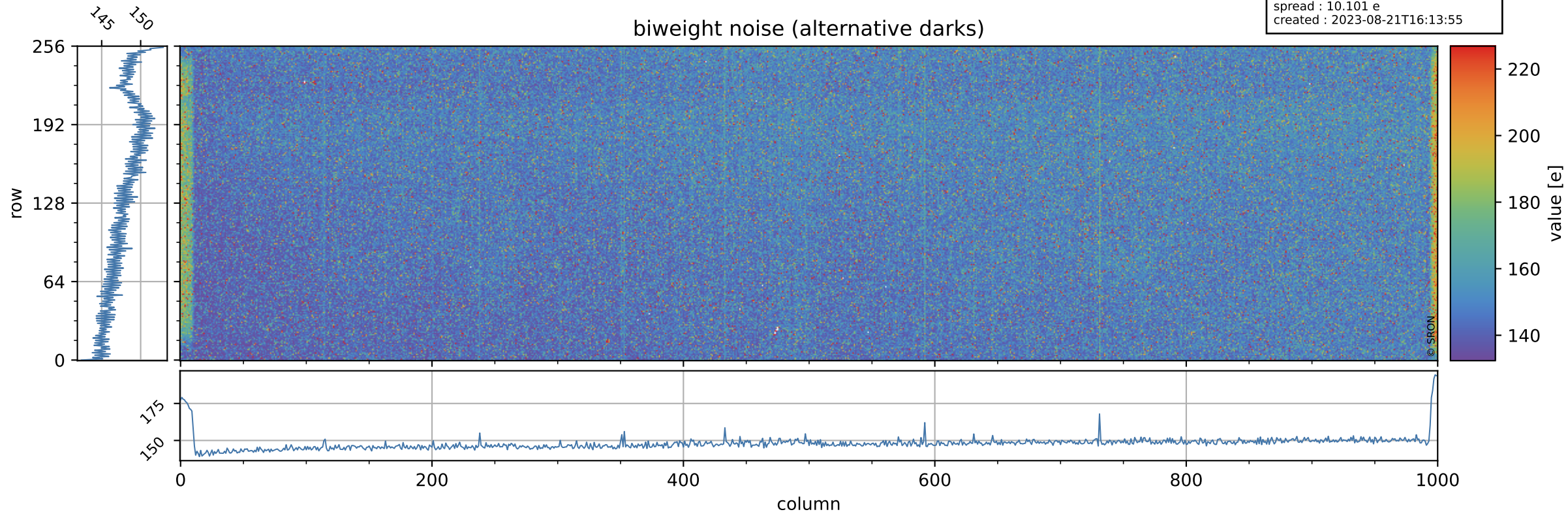
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.101 e  
created : 2023-08-21T16:13:55

## biweight noise (alternative darks)

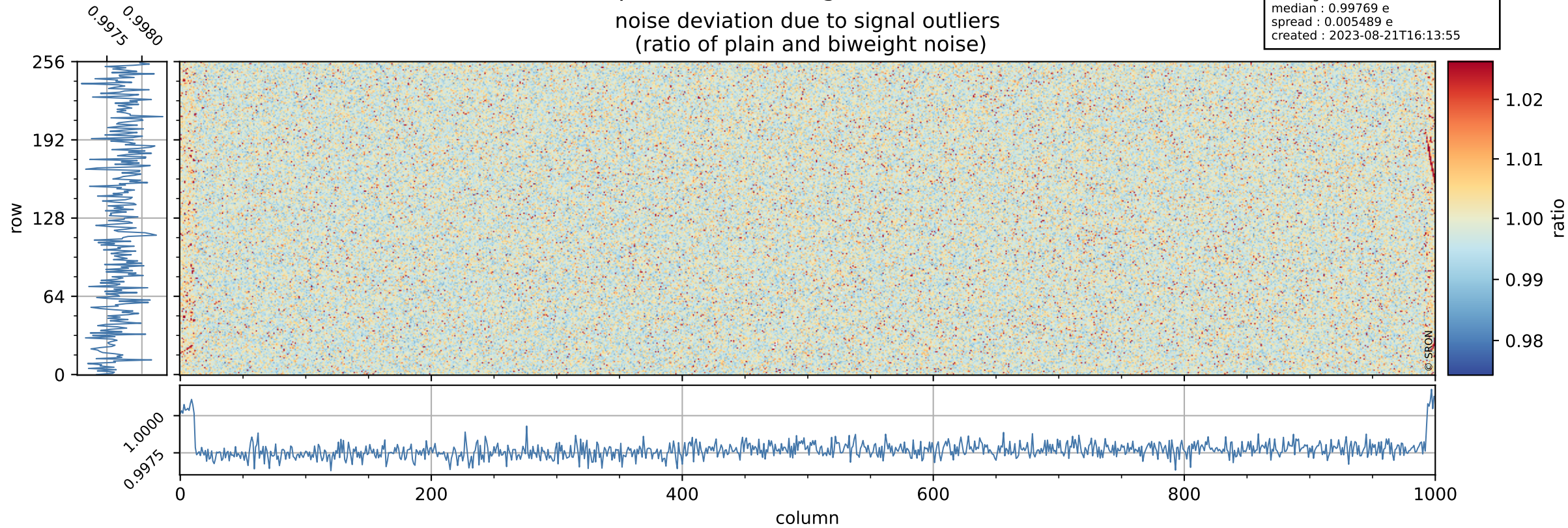




# Tropomi SWIR background noise (swir)

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

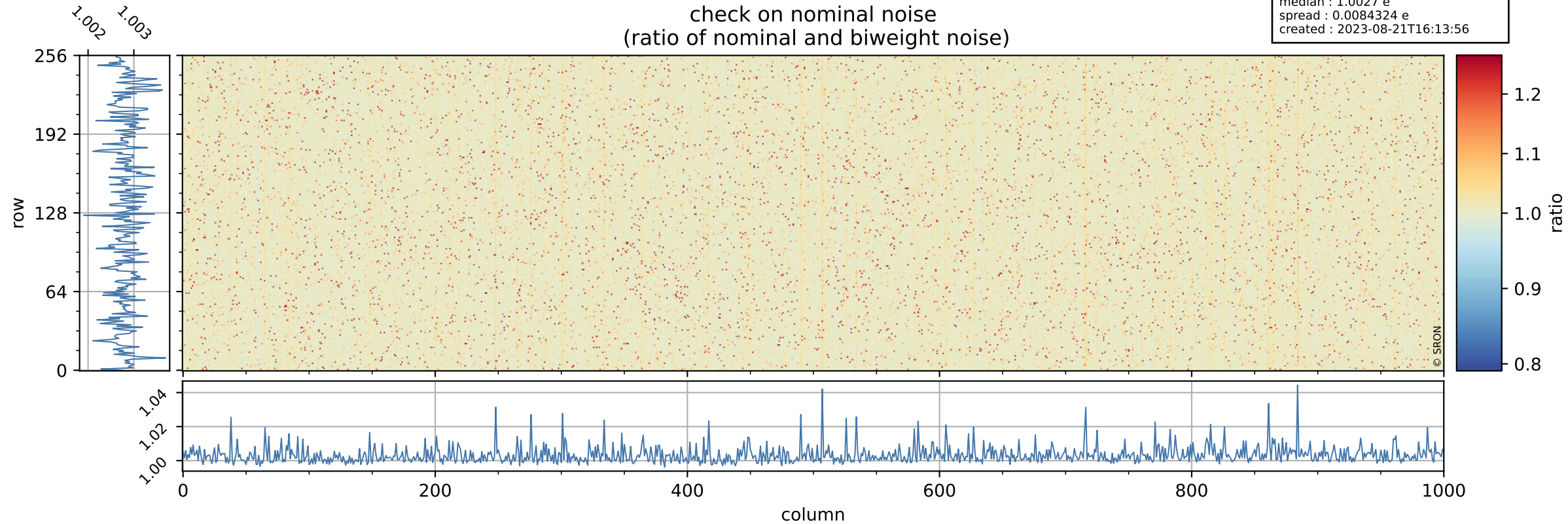
orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
median : 0.99769 e  
spread : 0.005489 e  
created : 2023-08-21T16:13:55



# Tropomi SWIR background noise (swir)

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

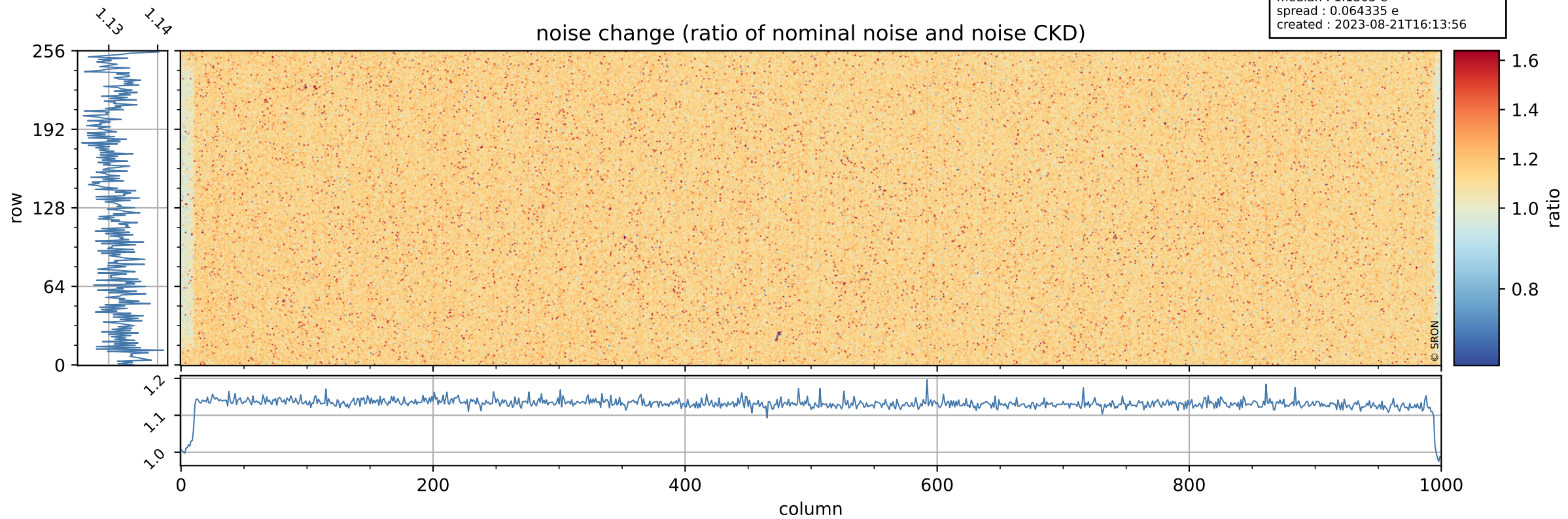
orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
median : 1.0027 e  
spread : 0.0084324 e  
created : 2023-08-21T16:13:56





# Tropomi SWIR background noise (swir)

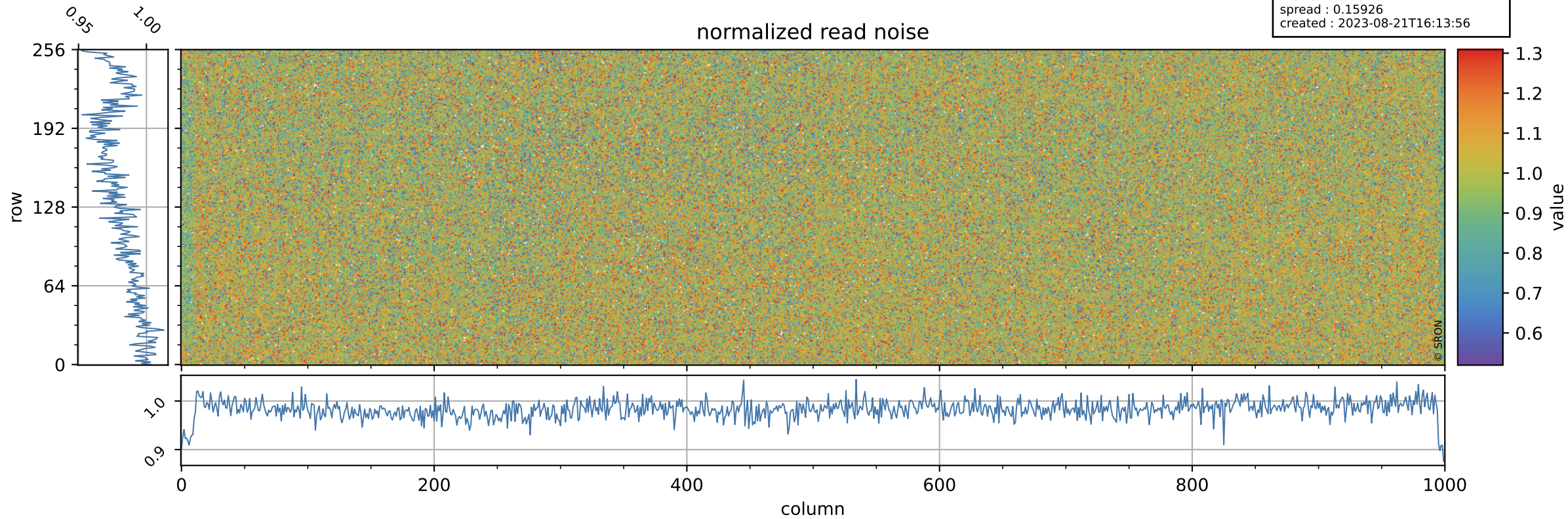
orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
median : 1.1305 e  
spread : 0.064335 e  
created : 2023-08-21T16:13:56





# Tropomi SWIR background noise (swir)

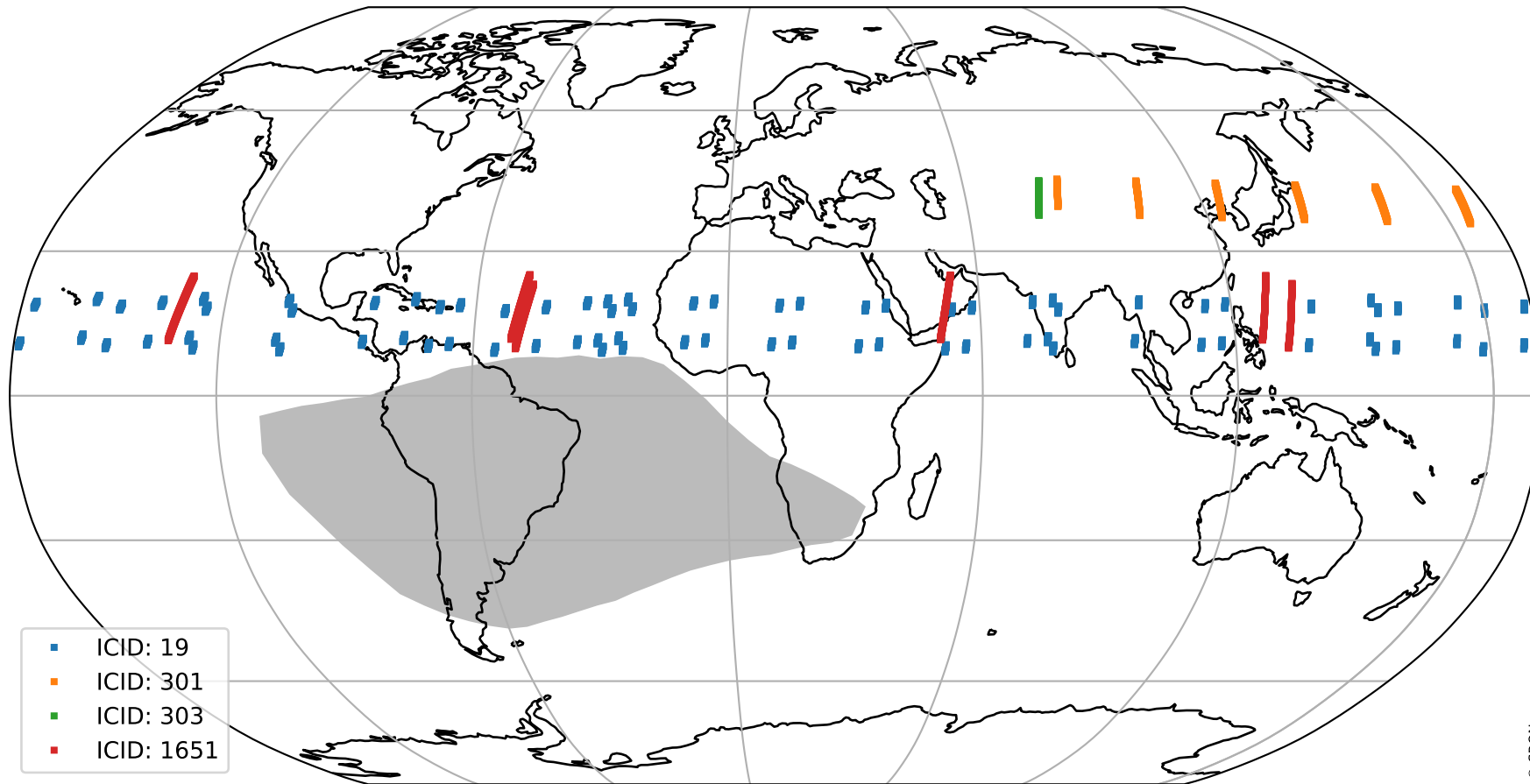
orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
median : 0.98177  
spread : 0.15926  
created : 2023-08-21T16:13:56





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

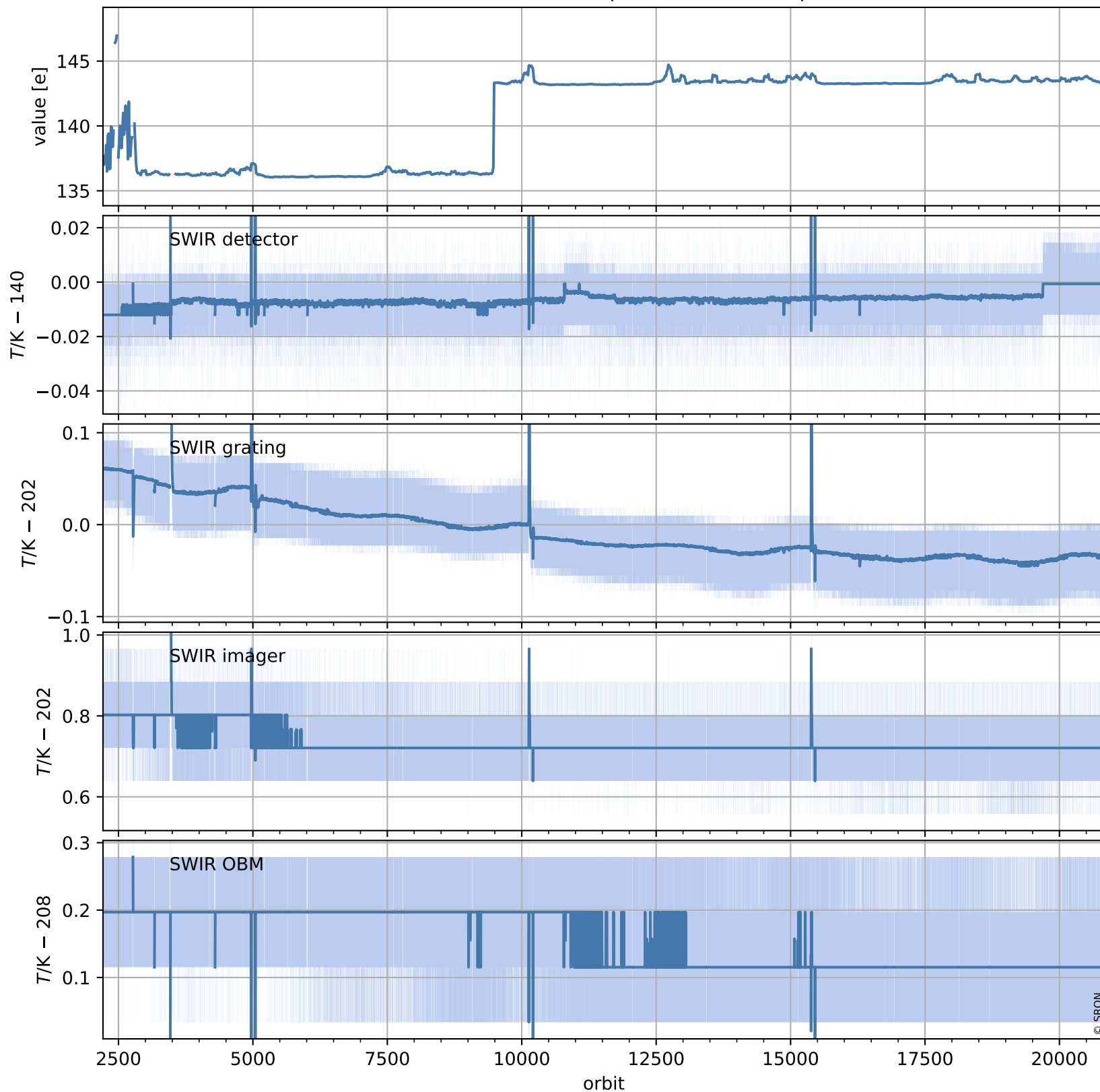
orbits : 13 in [20752, 20842]  
coverage : 2021-10-15 / 2021-10-21  
created : 2023-08-21T16:13:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 20842]  
coverage : 2018-03-18 / 2021-10-21  
created : 2023-08-21T16:13:57

## trend of detector median of plain noise & temperatures

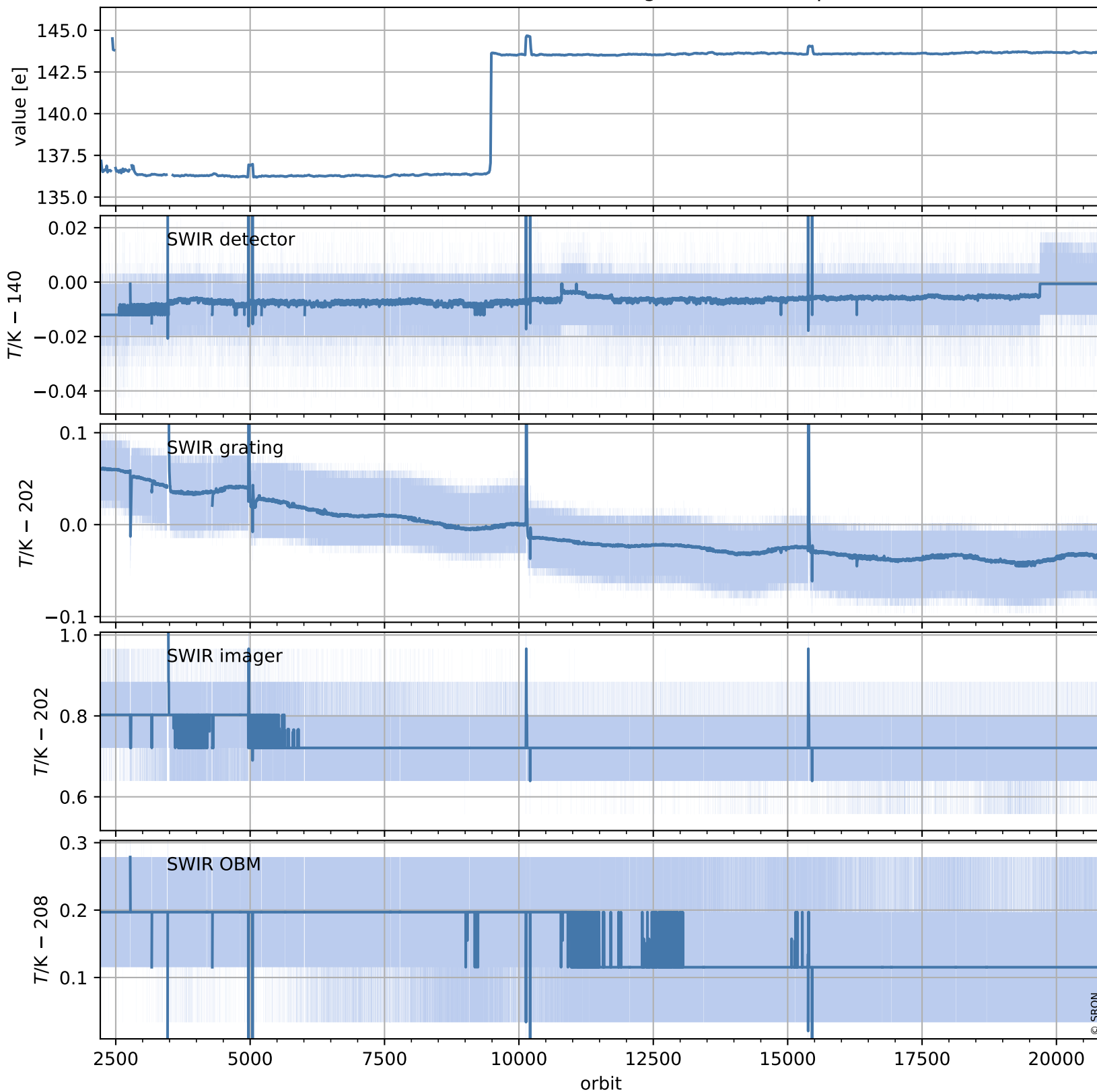




# Tropomi SWIR background noise (swir)

orbits : [2212, 20842]  
coverage : 2018-03-18 / 2021-10-21  
created : 2023-08-21T16:13:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20842]  
coverage : 2018-03-18 / 2021-10-21  
created : 2023-08-21T16:13:59

## trend of normalized read-noise & temperatures

