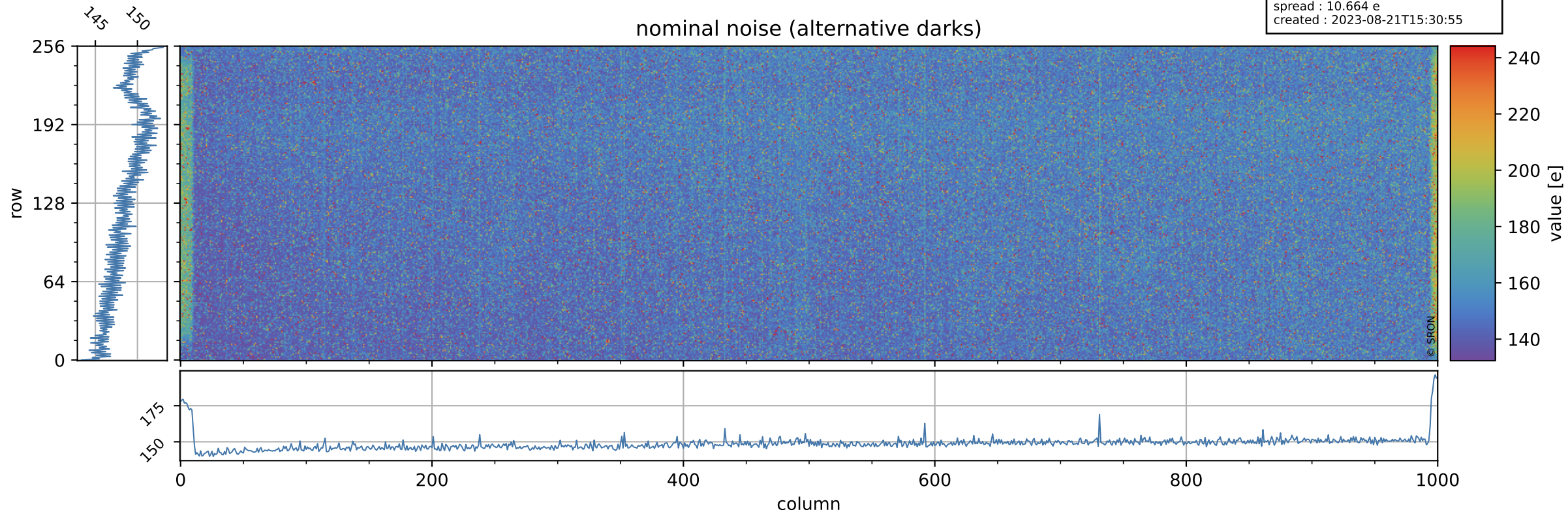


# Tropomi SWIR background noise (swir)

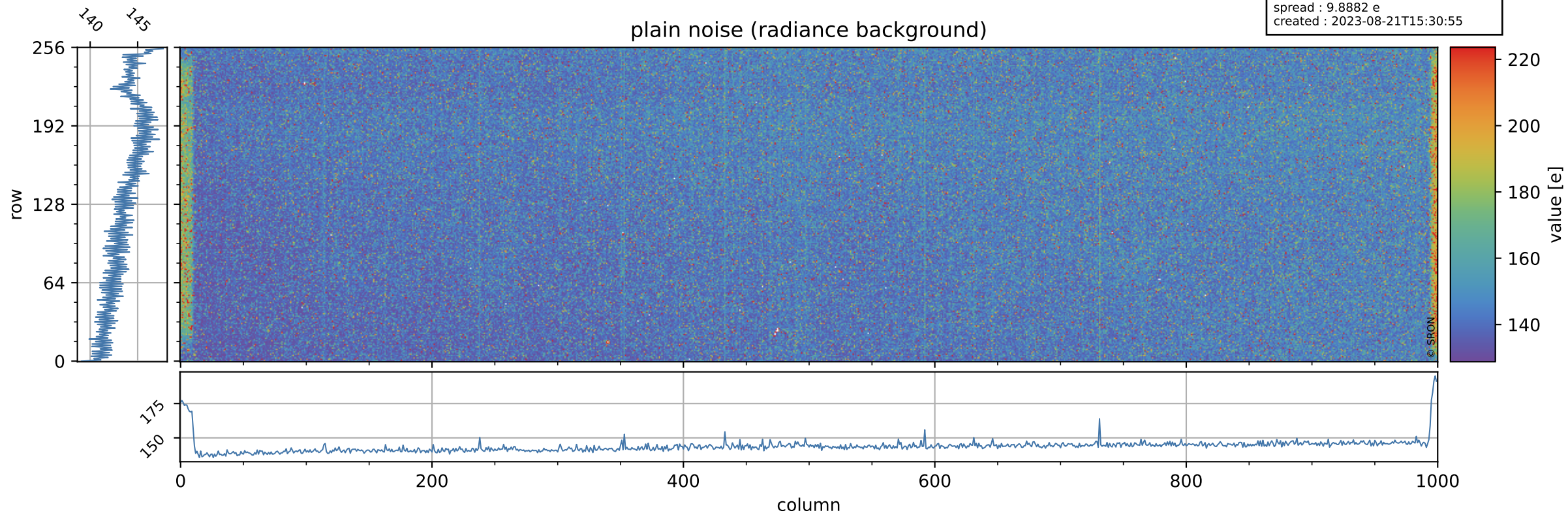
orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.664 e  
created : 2023-08-21T15:30:55



# Tropomi SWIR background noise (swir)

orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.6 e  
spread : 9.8882 e  
created : 2023-08-21T15:30:55

plain noise (radiance background)

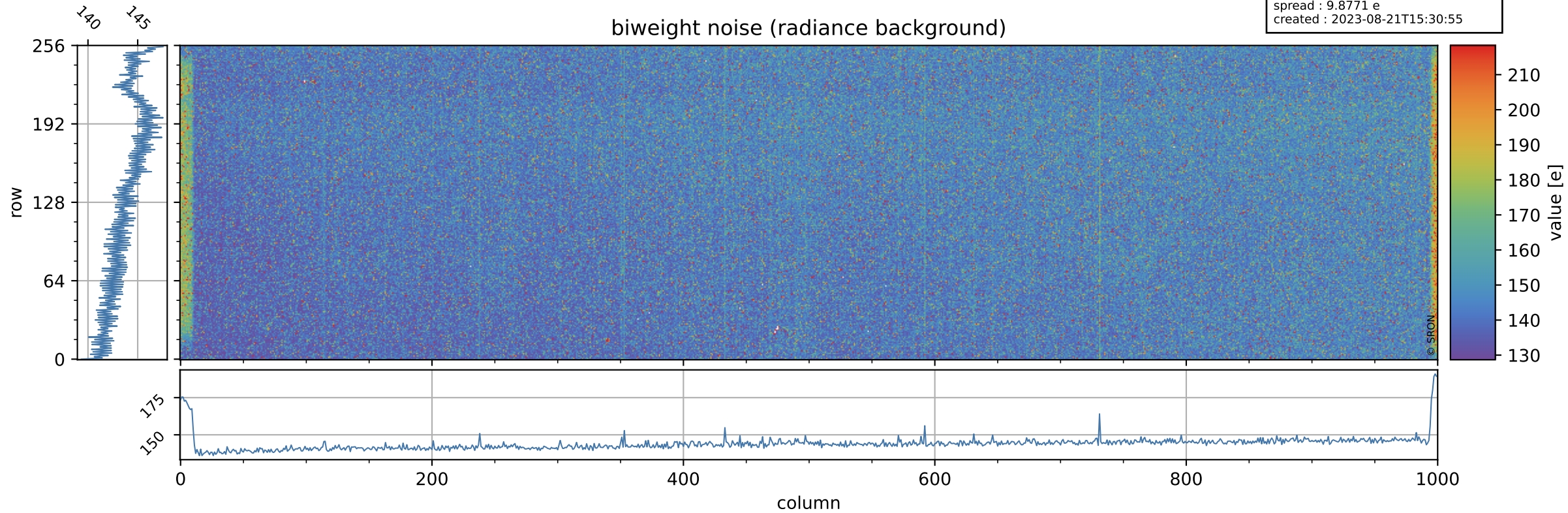




# Tropomi SWIR background noise (swir)

orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8771 e  
created : 2023-08-21T15:30:55

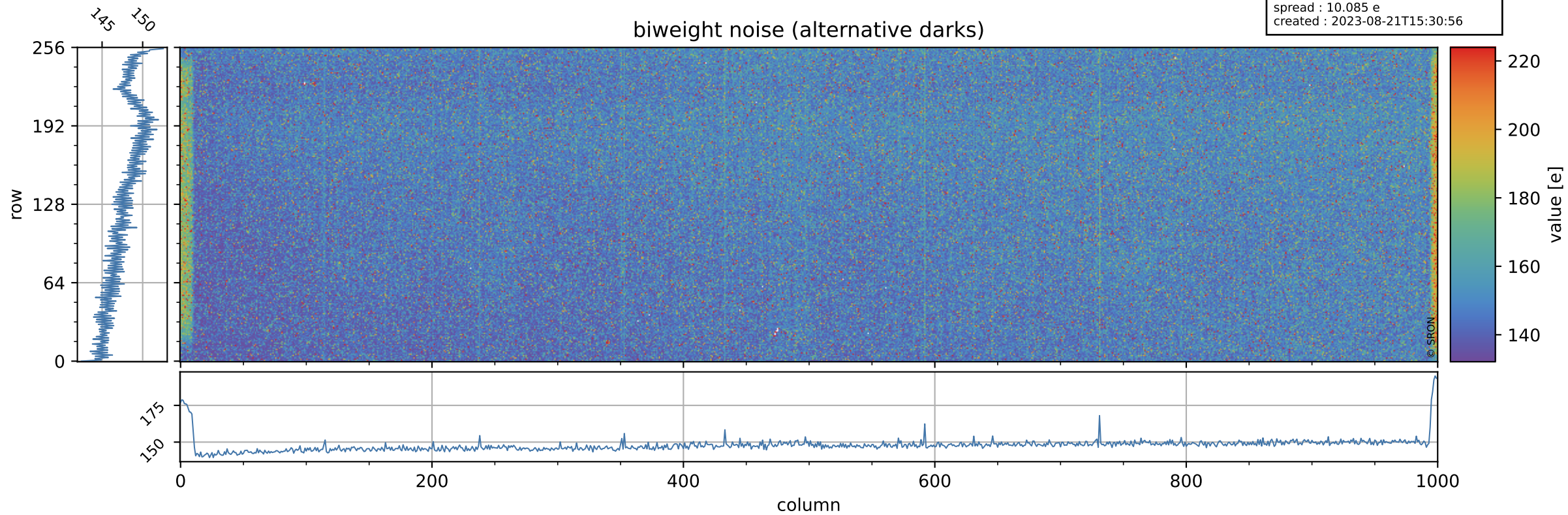
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.085 e  
created : 2023-08-21T15:30:56

## biweight noise (alternative darks)

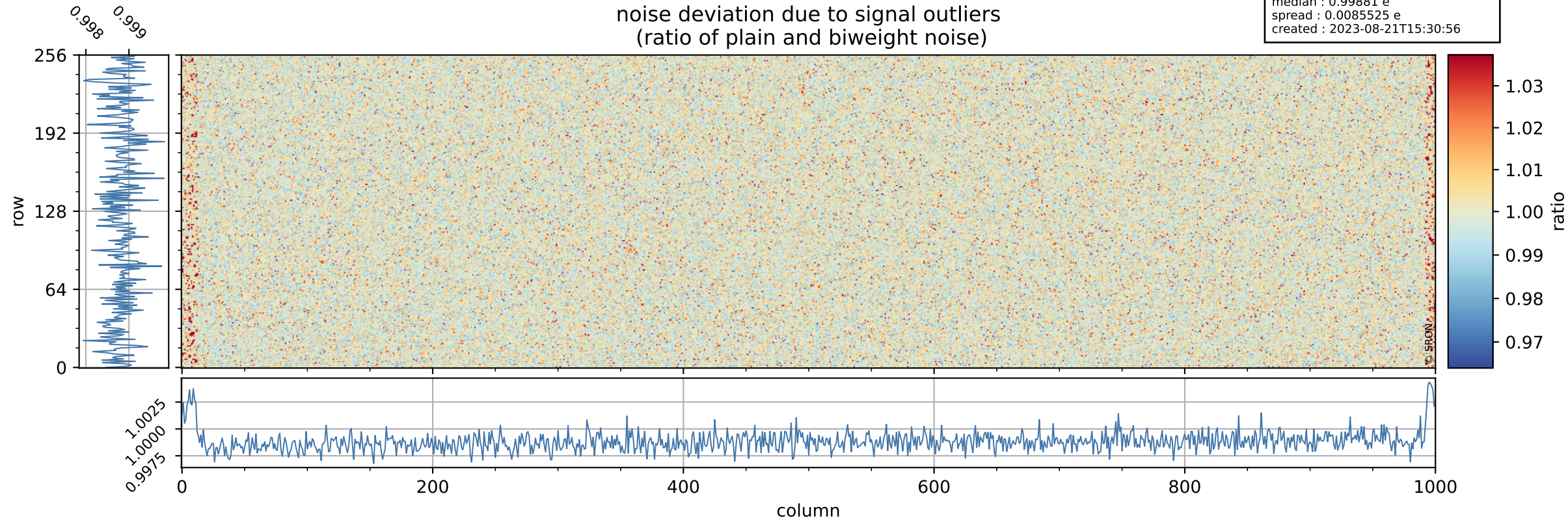




# Tropomi SWIR background noise (swir)

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

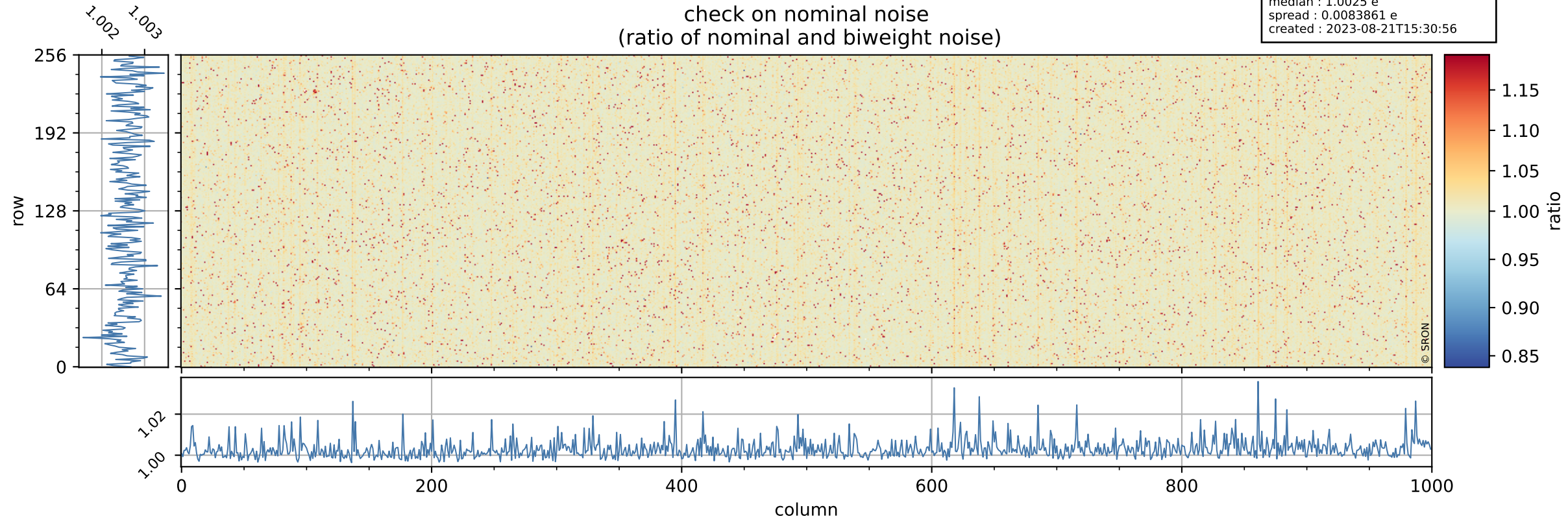
orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
median : 0.99881 e  
spread : 0.0085525 e  
created : 2023-08-21T15:30:56



# Tropomi SWIR background noise (swir)

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

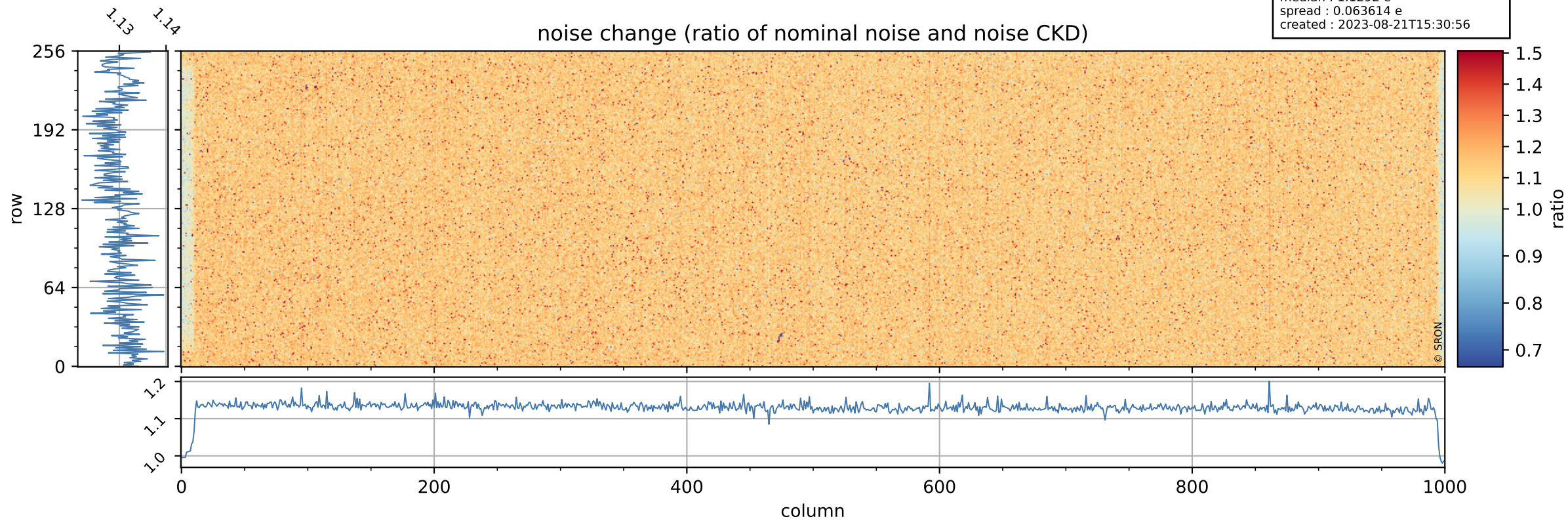
orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
median : 1.0025 e  
spread : 0.0083861 e  
created : 2023-08-21T15:30:56





# Tropomi SWIR background noise (swir)

orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
median : 1.1292 e  
spread : 0.063614 e  
created : 2023-08-21T15:30:56

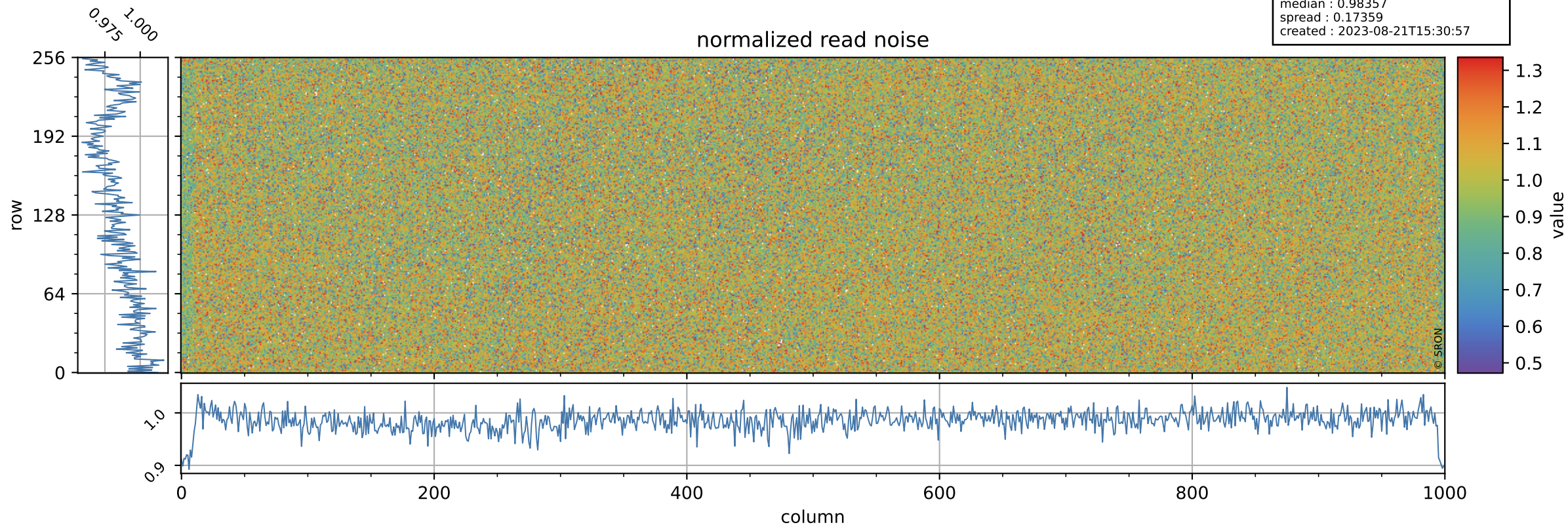




# Tropomi SWIR background noise (swir)

orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
median : 0.98357  
spread : 0.17359  
created : 2023-08-21T15:30:57

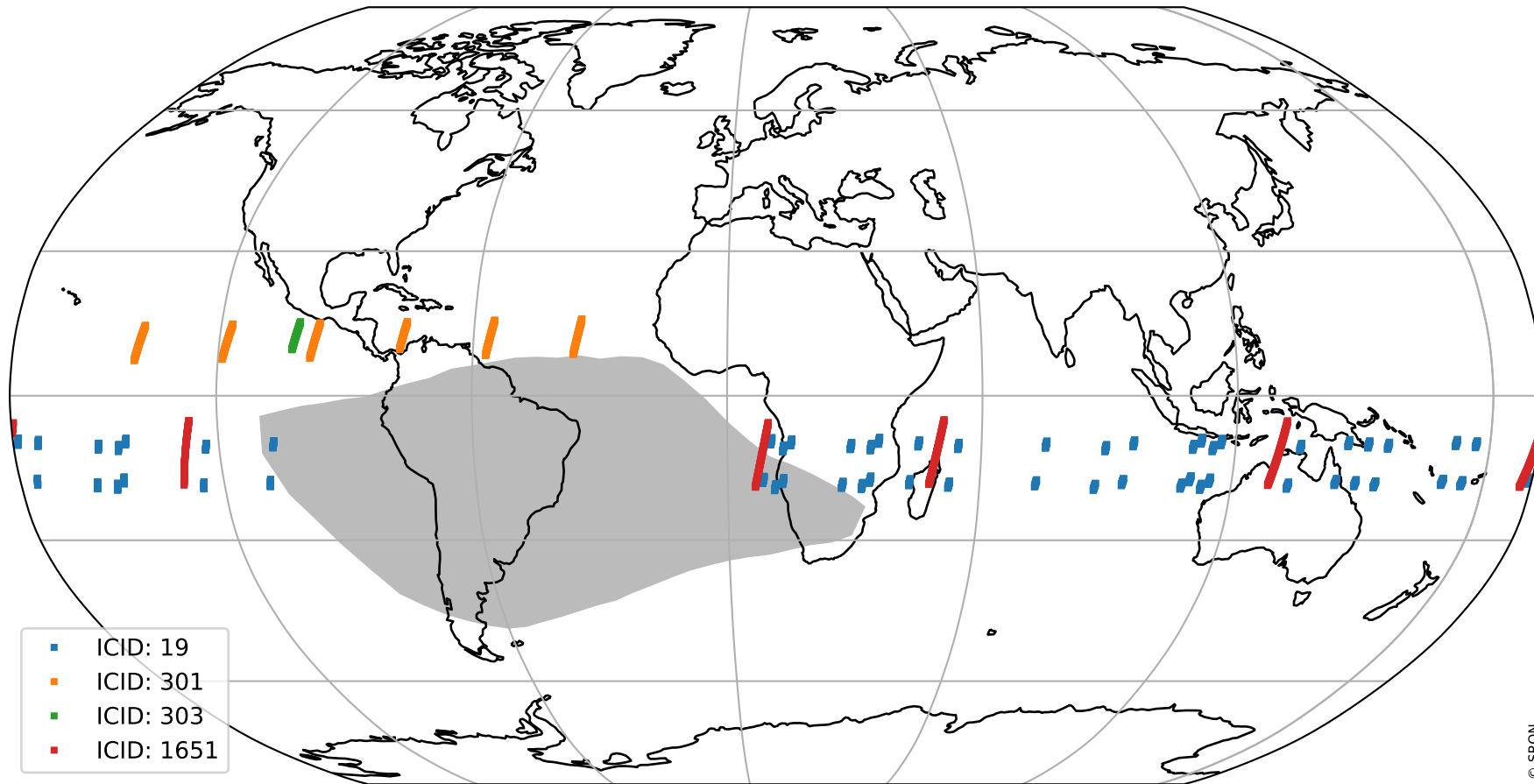
normalized read noise





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

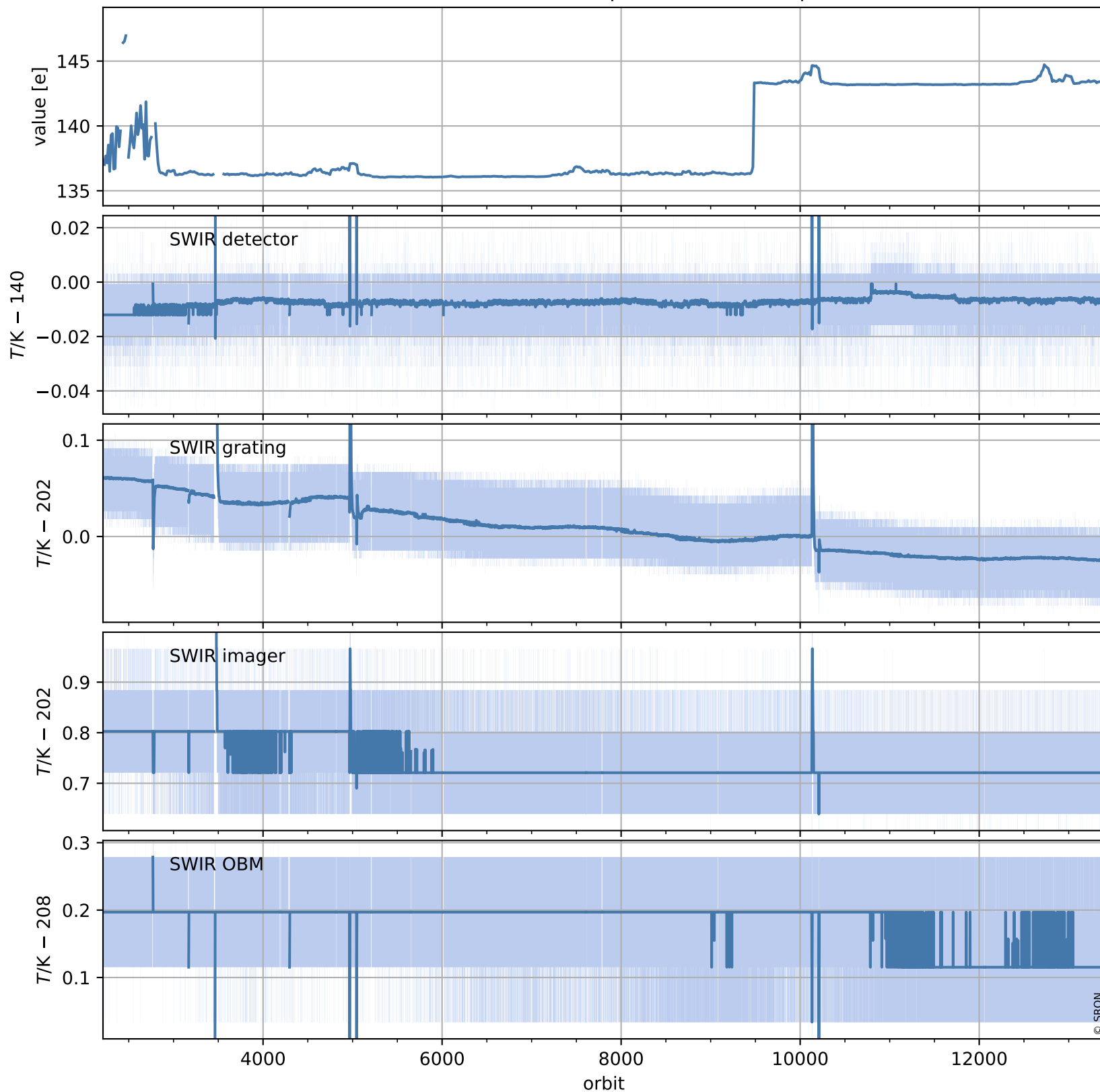
orbits : 12 in [13312, 13402]  
coverage : 2020-05-09 / 2020-05-14  
created : 2023-08-21T15:30:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 13402]  
coverage : 2018-03-18 / 2020-05-14  
created : 2023-08-21T15:30:57

## trend of detector median of plain noise & temperatures

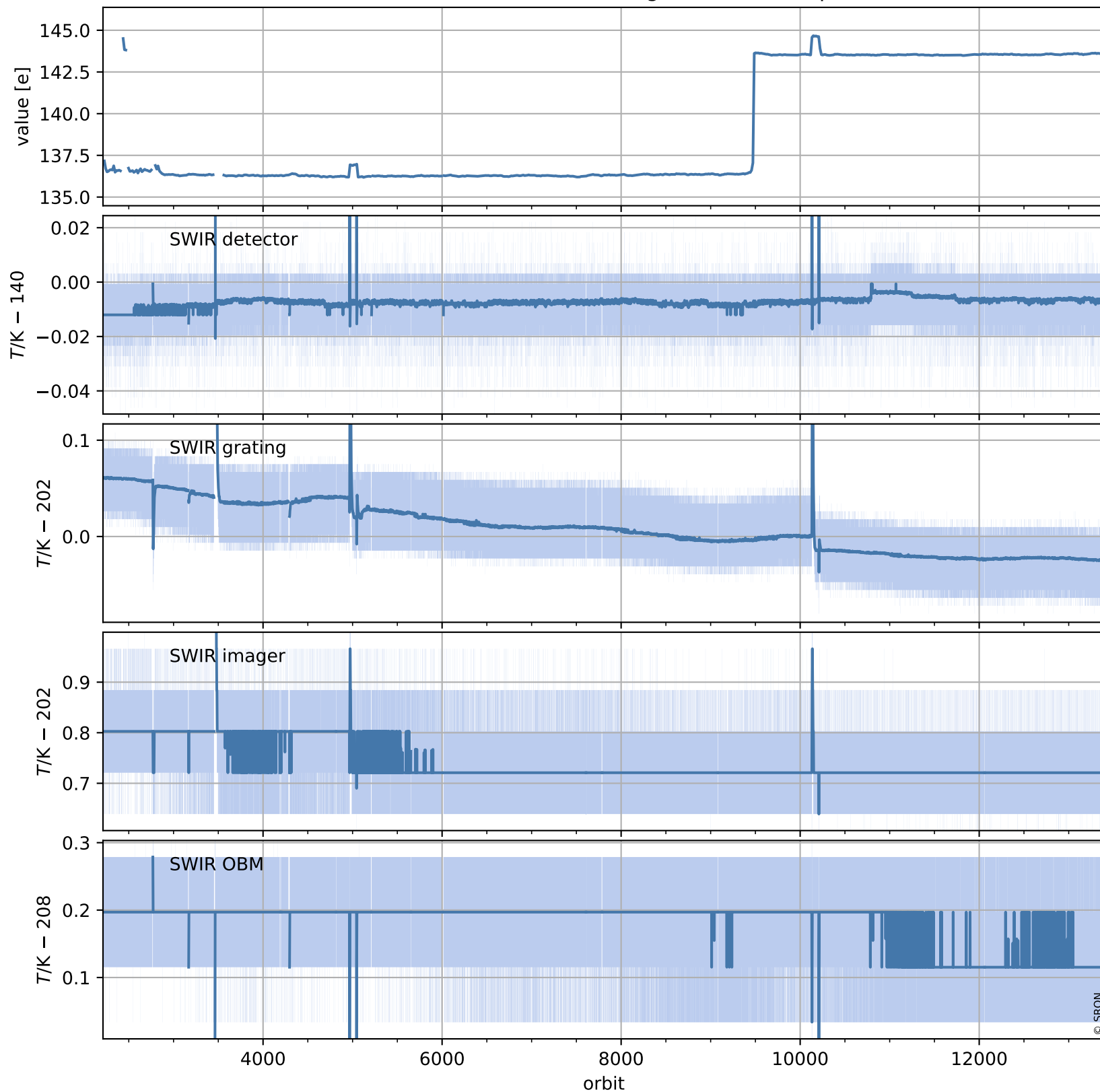




# Tropomi SWIR background noise (swir)

orbits : [2212, 13402]  
coverage : 2018-03-18 / 2020-05-14  
created : 2023-08-21T15:30:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13402]  
coverage : 2018-03-18 / 2020-05-14  
created : 2023-08-21T15:30:58

## trend of normalized read-noise & temperatures

