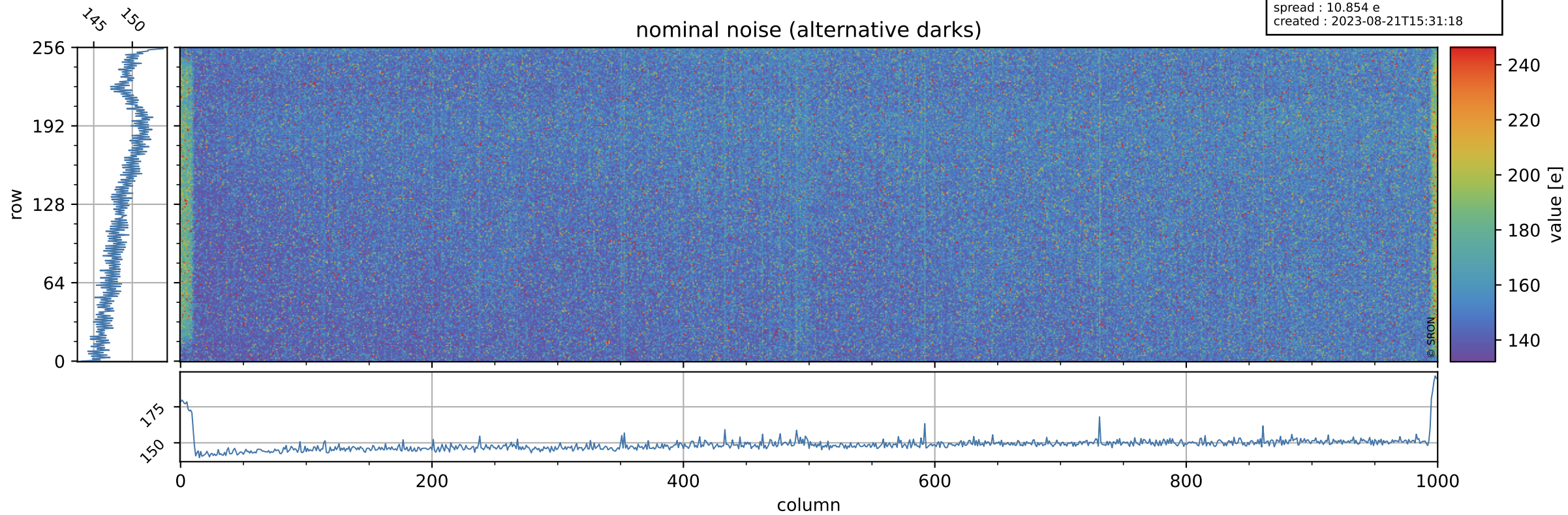


# Tropomi SWIR background noise (swir)

orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.854 e  
created : 2023-08-21T15:31:18

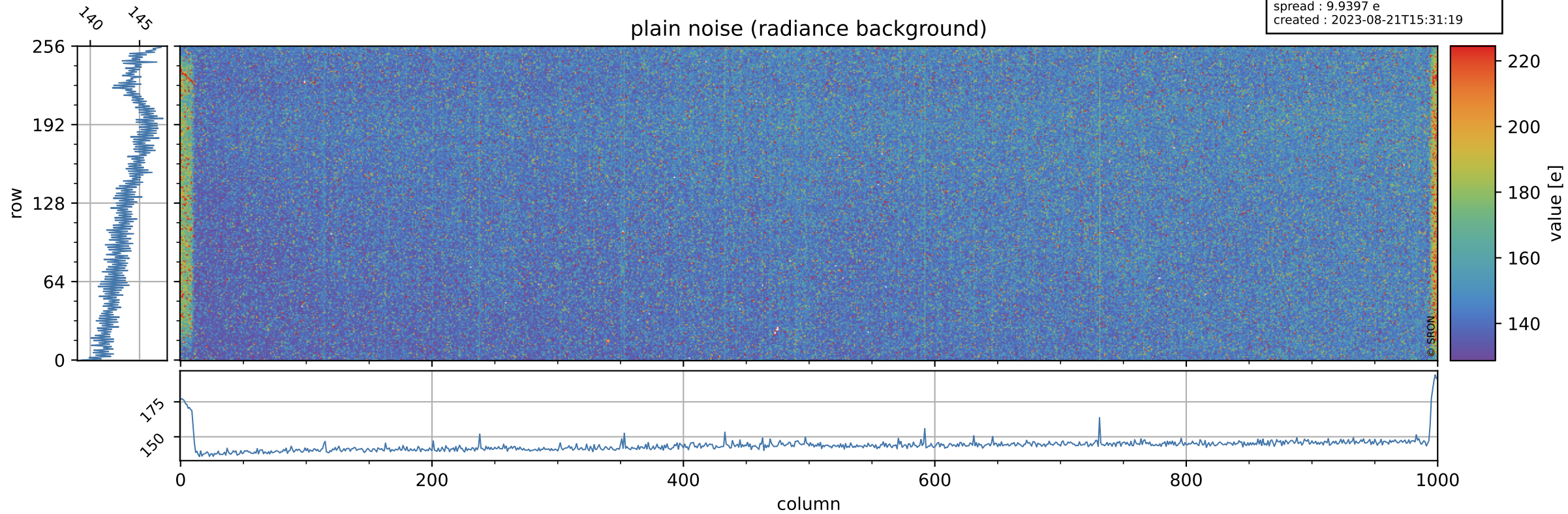
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.63 e  
spread : 9.9397 e  
created : 2023-08-21T15:31:19

plain noise (radiance background)

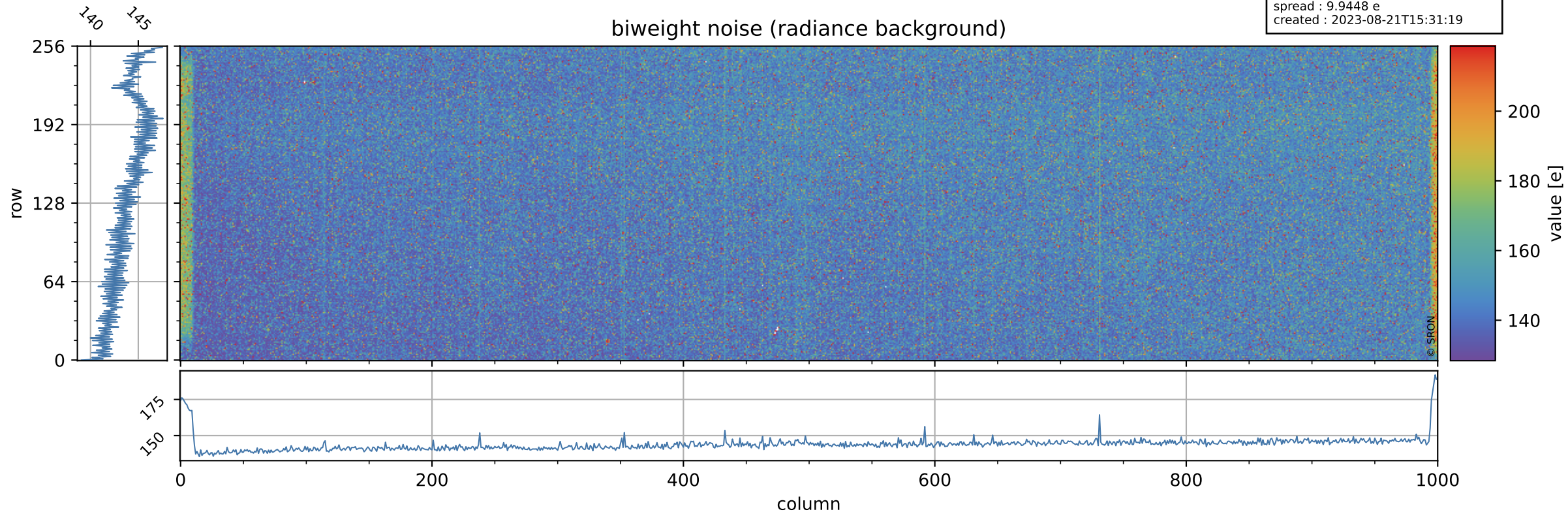




# Tropomi SWIR background noise (swir)

orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.9448 e  
created : 2023-08-21T15:31:19

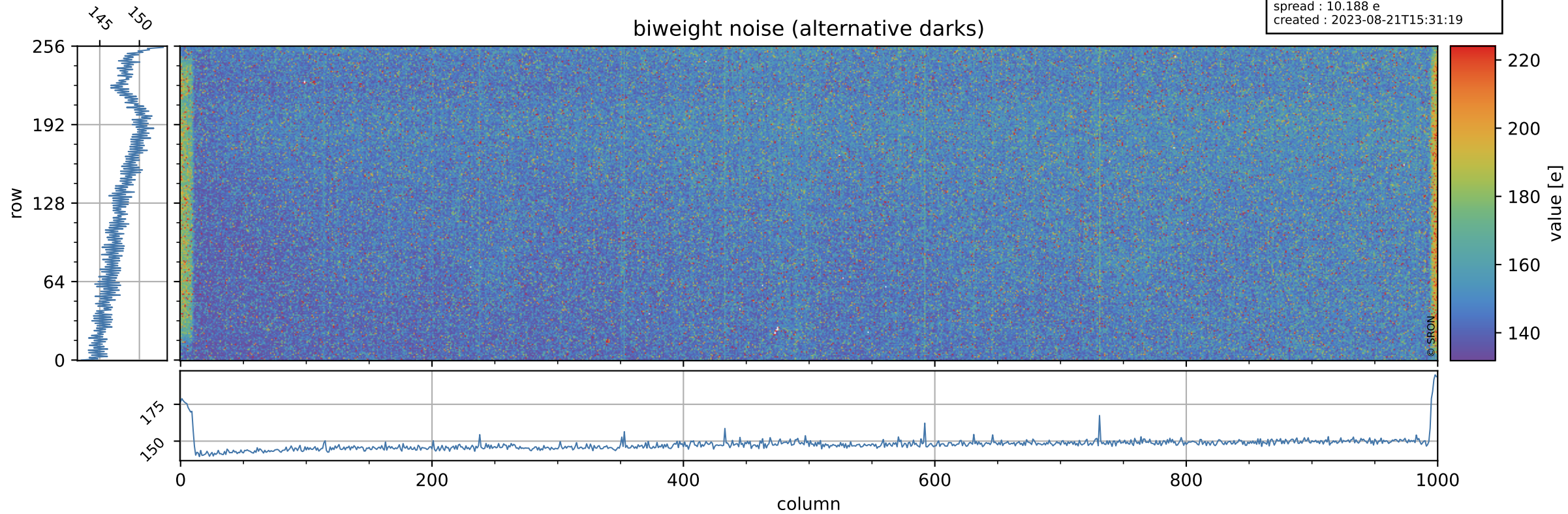
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 10.188 e  
created : 2023-08-21T15:31:19

## biweight noise (alternative darks)

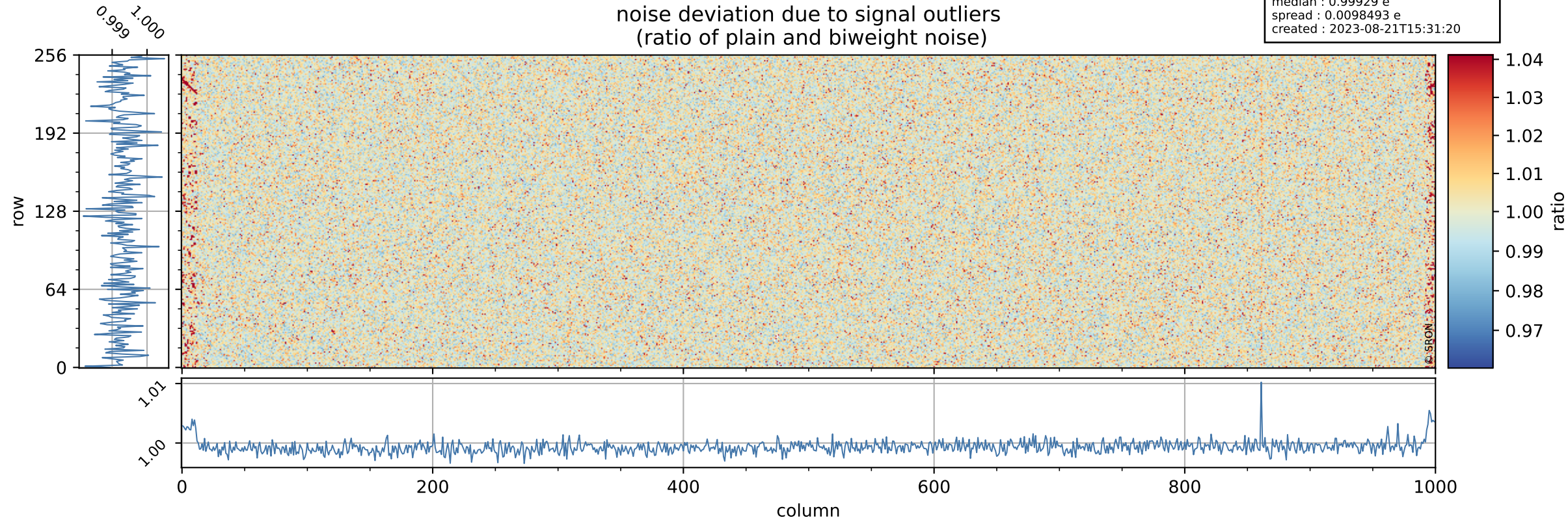




# Tropomi SWIR background noise (swir)

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

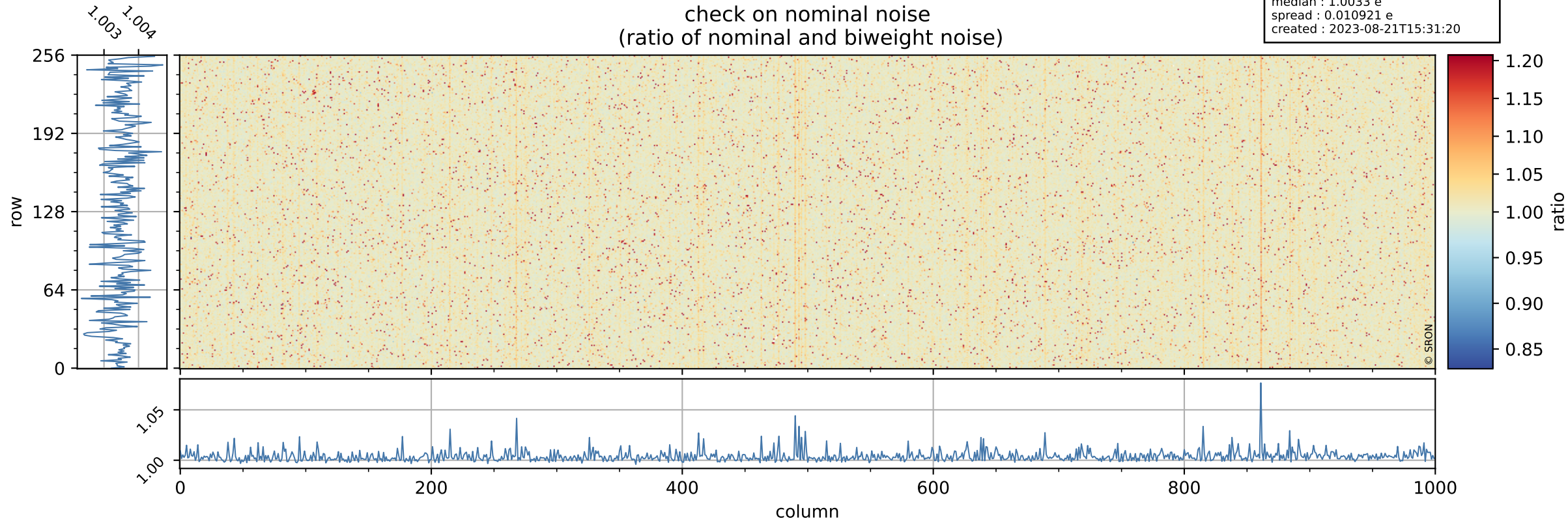
orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
median : 0.99929 e  
spread : 0.0098493 e  
created : 2023-08-21T15:31:20



# Tropomi SWIR background noise (swir)

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

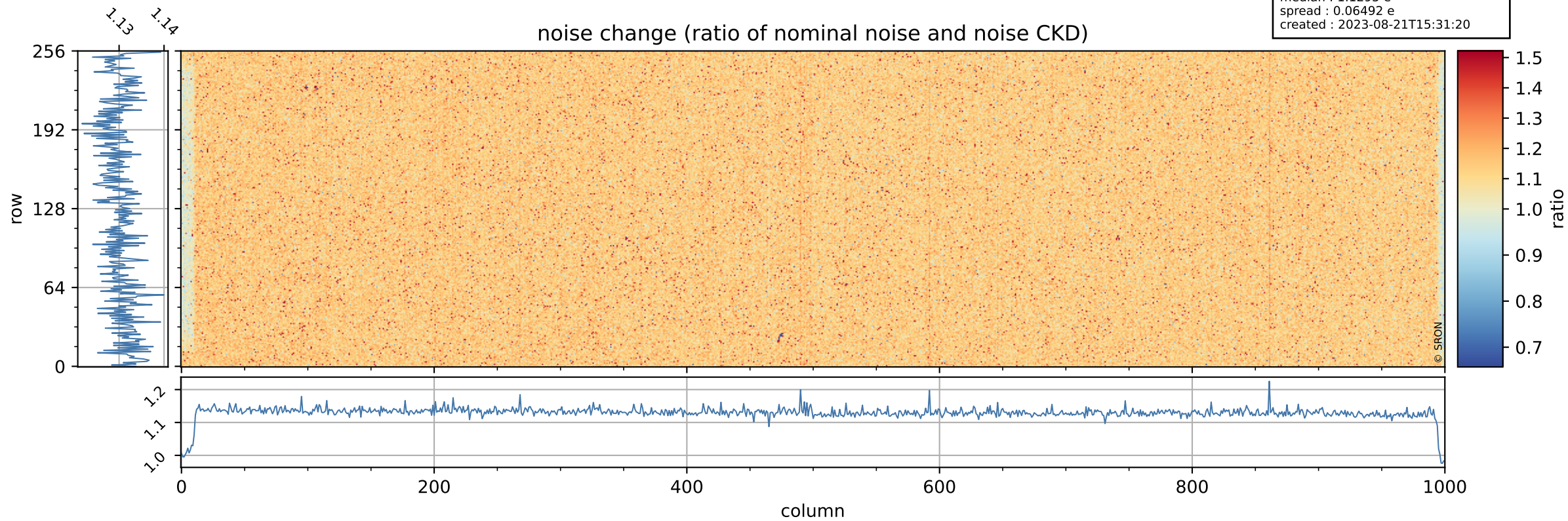
orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
median : 1.0033 e  
spread : 0.010921 e  
created : 2023-08-21T15:31:20





# Tropomi SWIR background noise (swir)

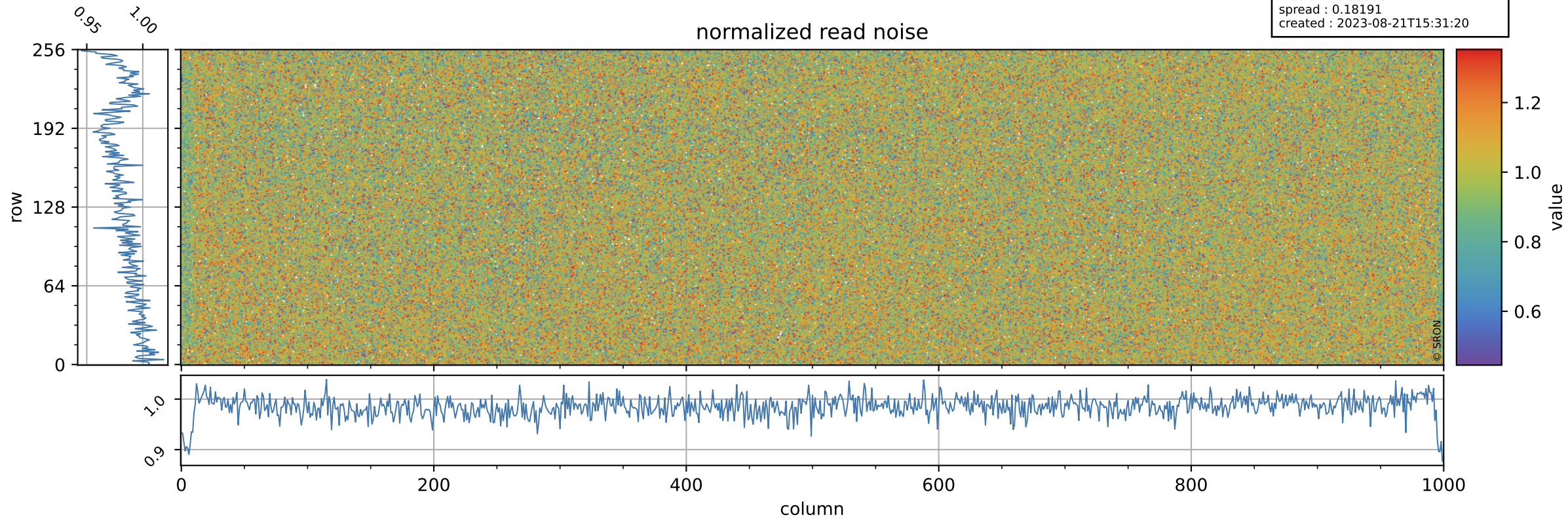
orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
median : 1.1295 e  
spread : 0.06492 e  
created : 2023-08-21T15:31:20





# Tropomi SWIR background noise (swir)

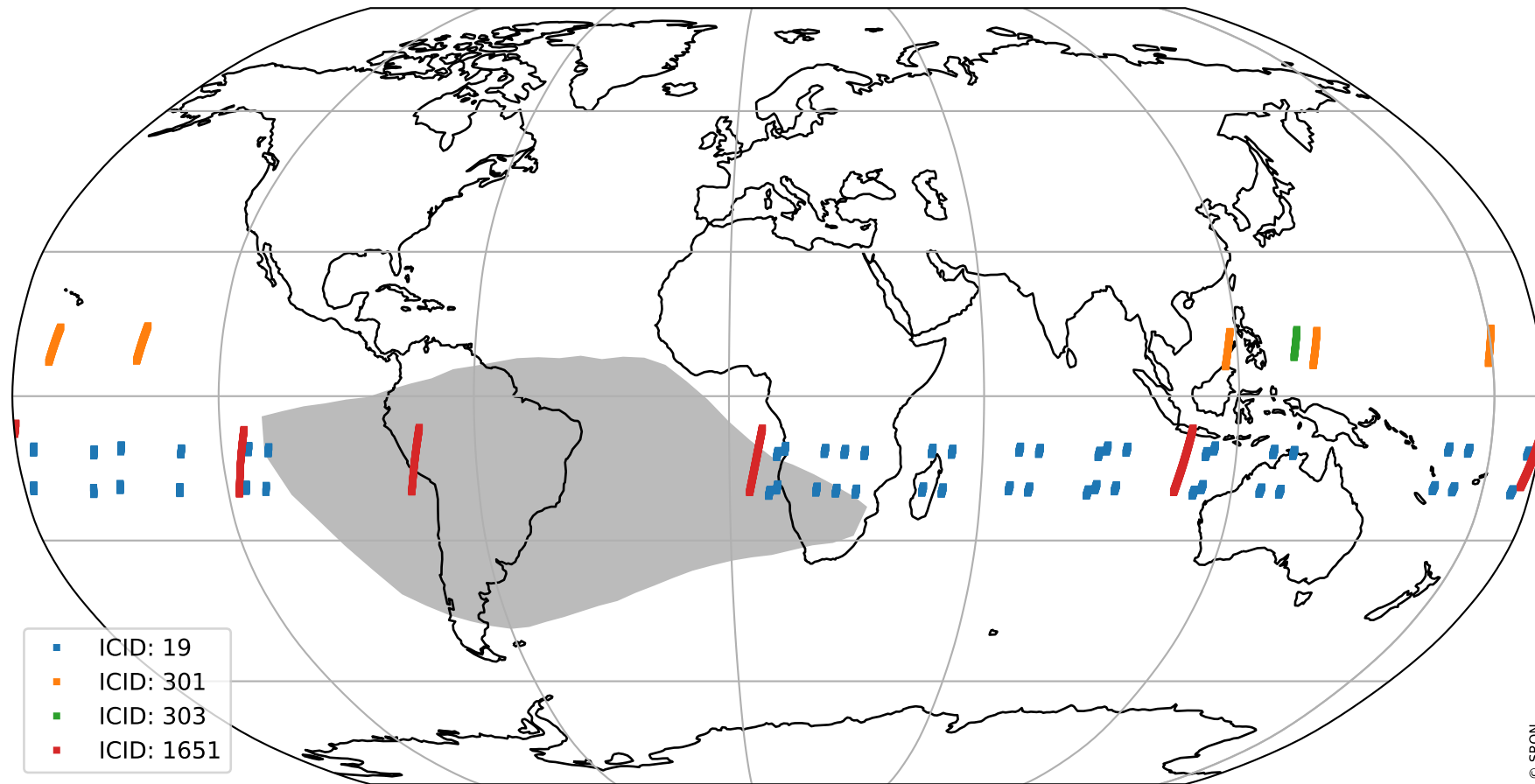
orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
median : 0.98338  
spread : 0.18191  
created : 2023-08-21T15:31:20





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

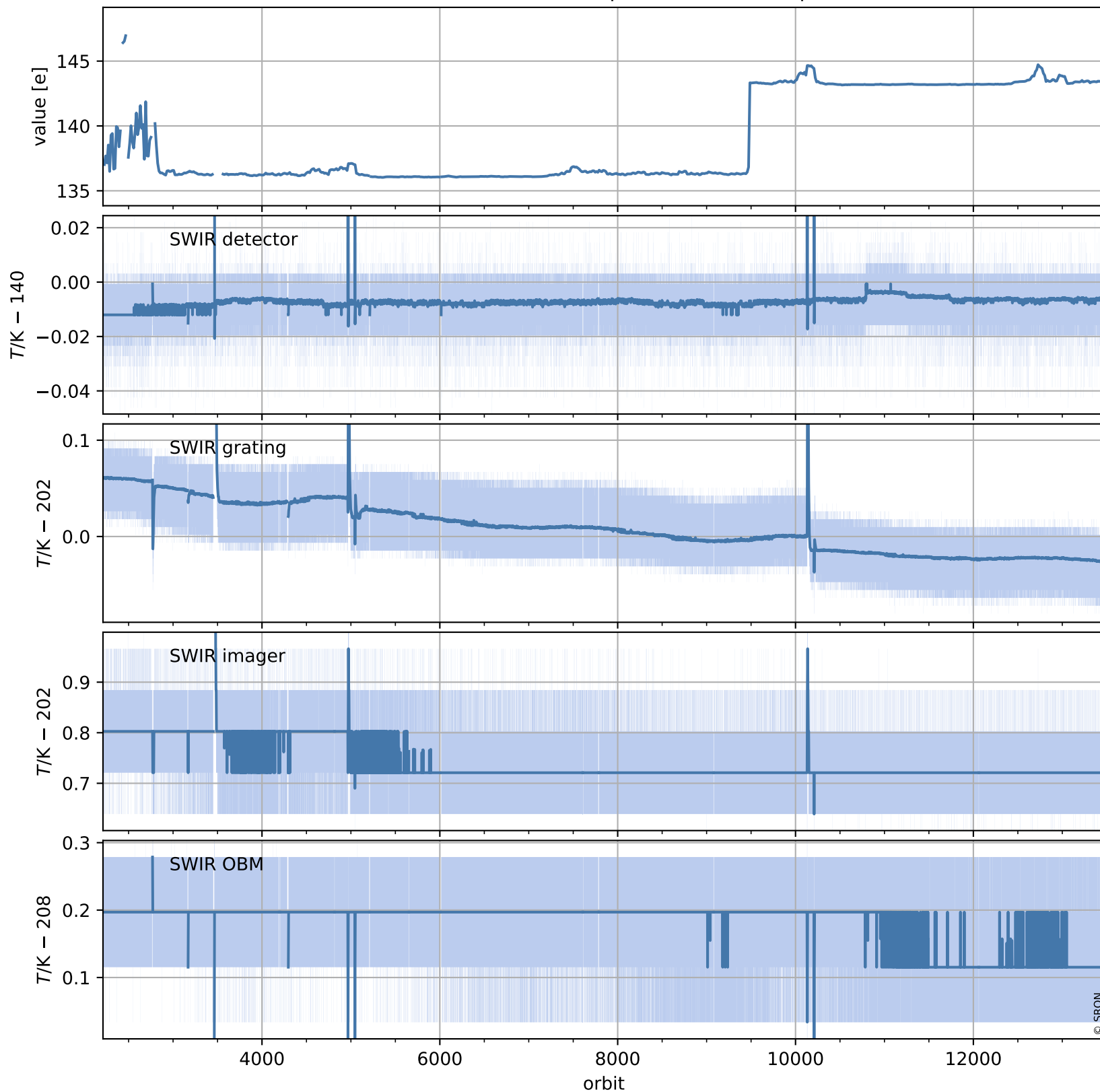
orbits : 11 in [13387, 13477]  
coverage : 2020-05-14 / 2020-05-20  
created : 2023-08-21T15:31:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 13477]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:21

## trend of detector median of plain noise & temperatures

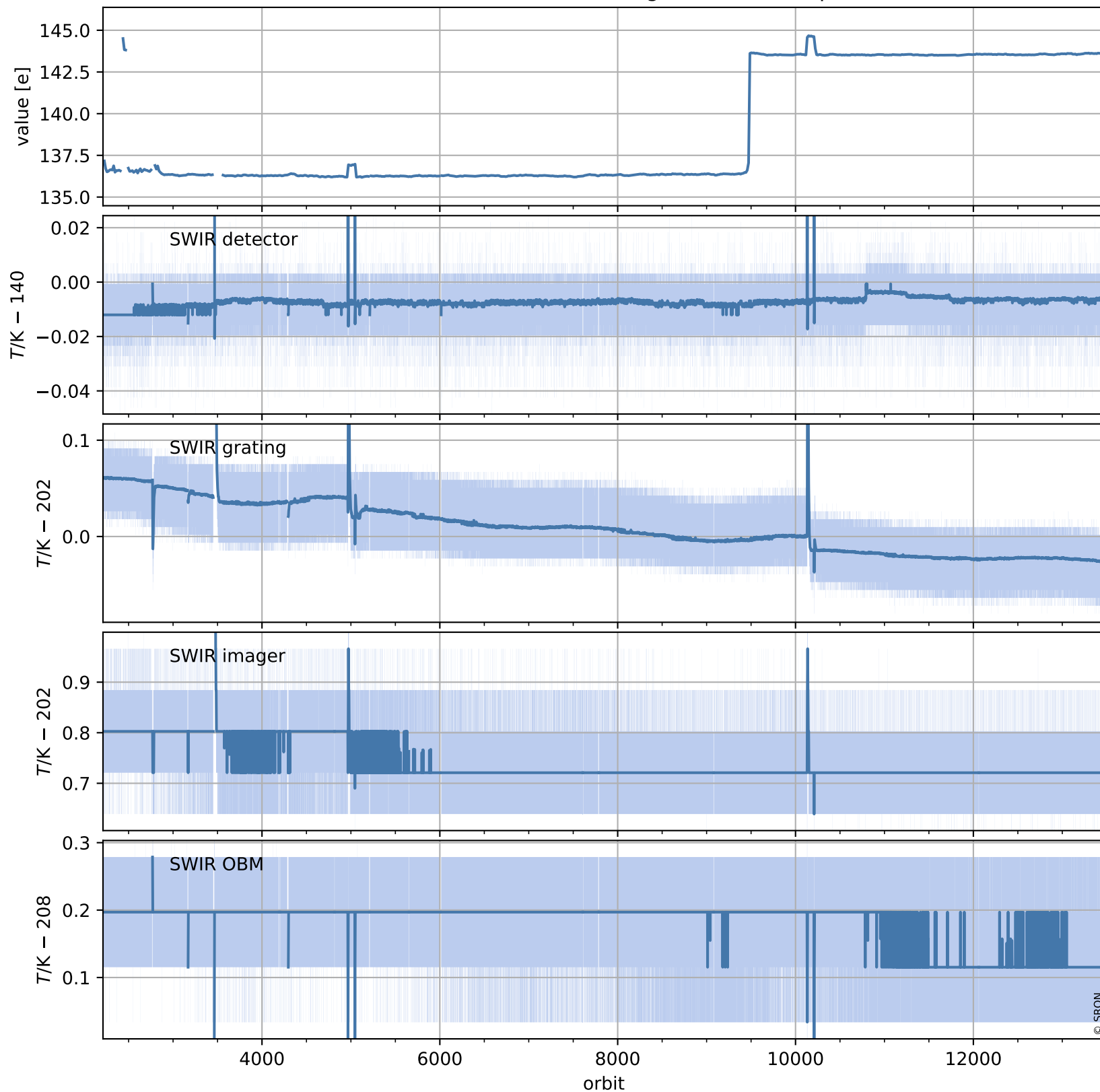




# Tropomi SWIR background noise (swir)

orbits : [2212, 13477]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 13477]  
coverage : 2018-03-18 / 2020-05-20  
created : 2023-08-21T15:31:22

## trend of normalized read-noise & temperatures

