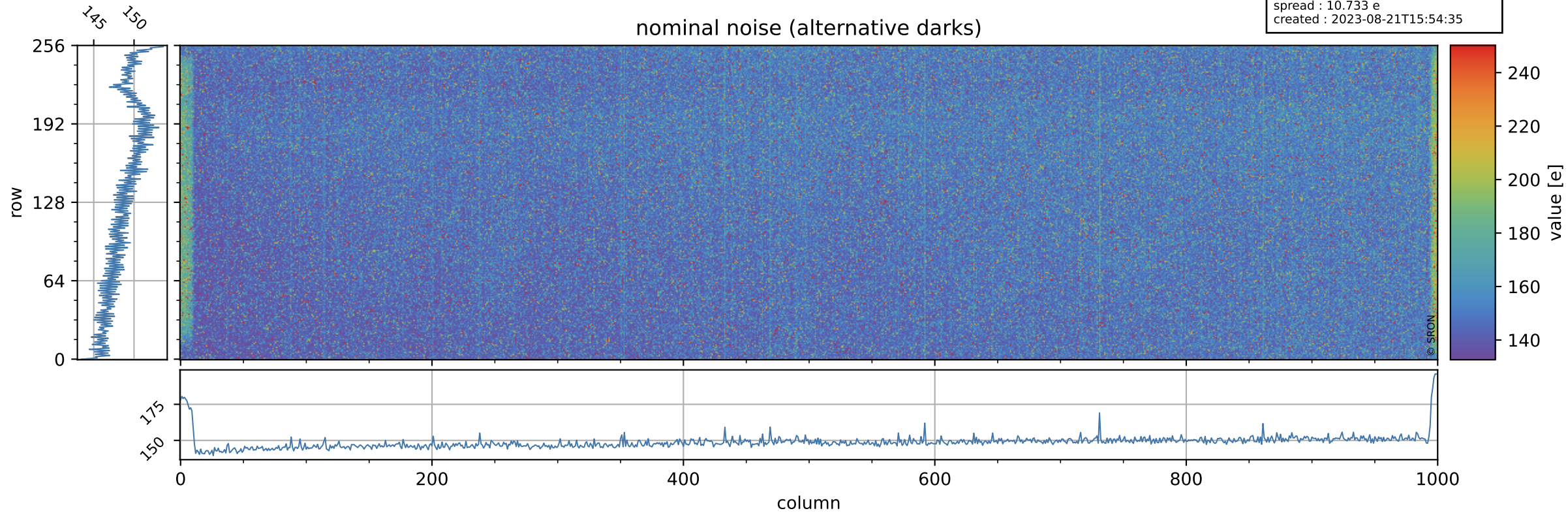


# Tropomi SWIR background noise (swir)

orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.63 e  
spread : 10.733 e  
created : 2023-08-21T15:54:35

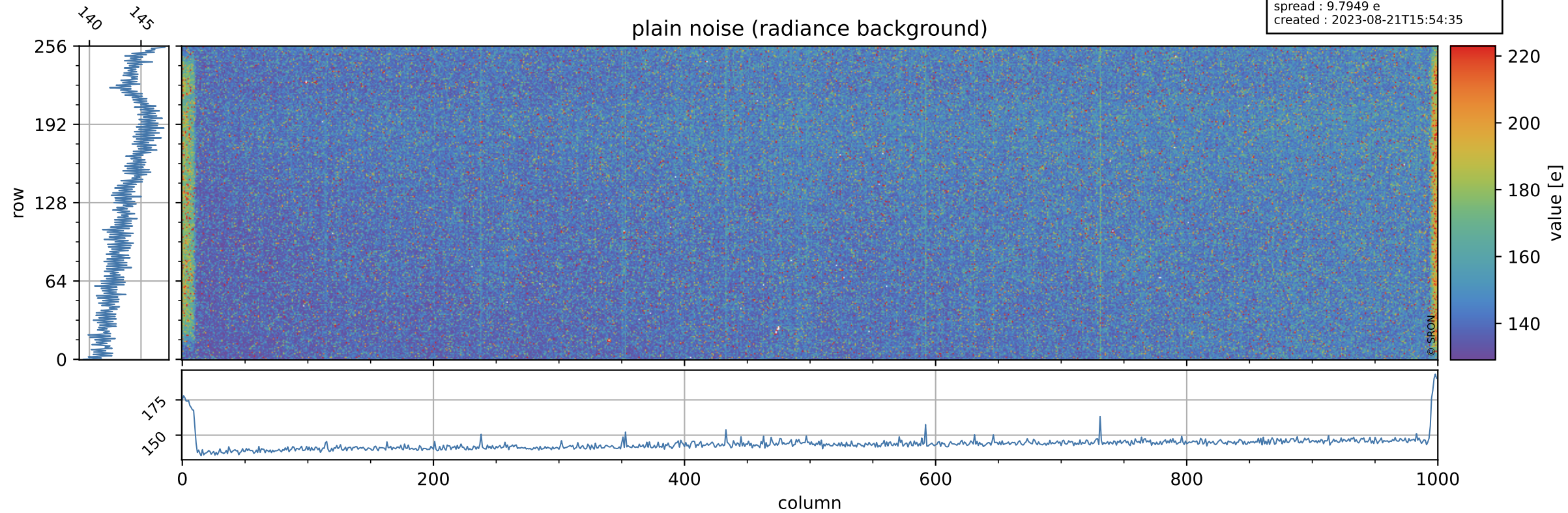
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.52 e  
spread : 9.7949 e  
created : 2023-08-21T15:54:35

plain noise (radiance background)

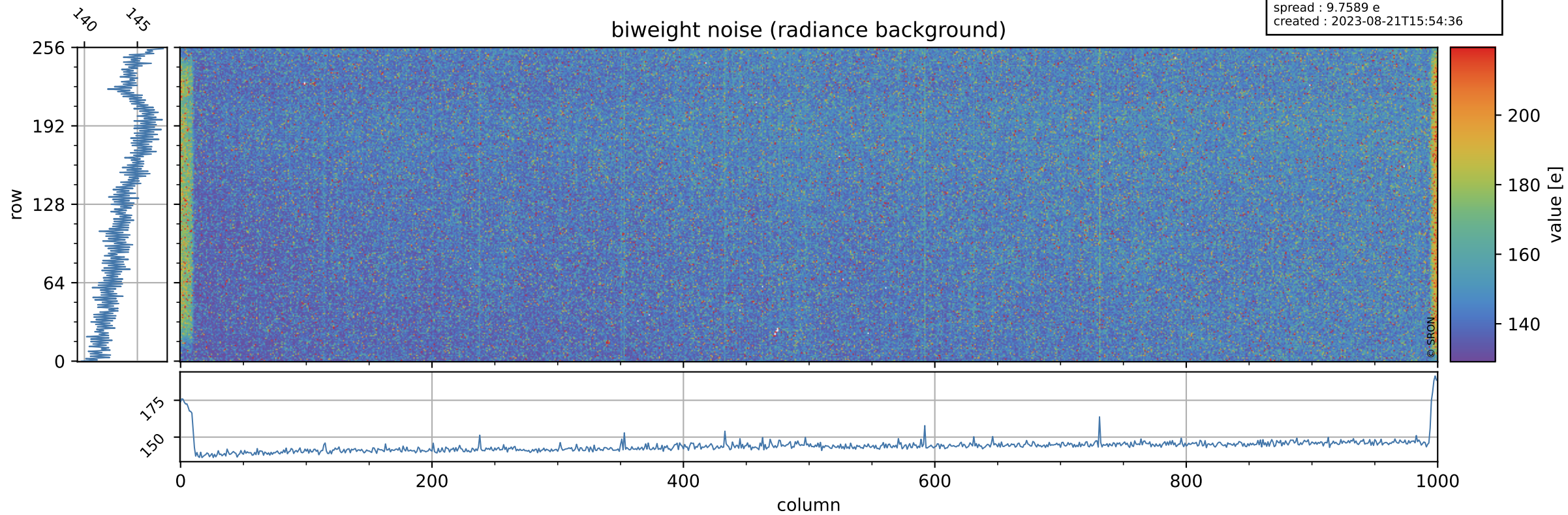




# Tropomi SWIR background noise (swir)

orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7589 e  
created : 2023-08-21T15:54:36

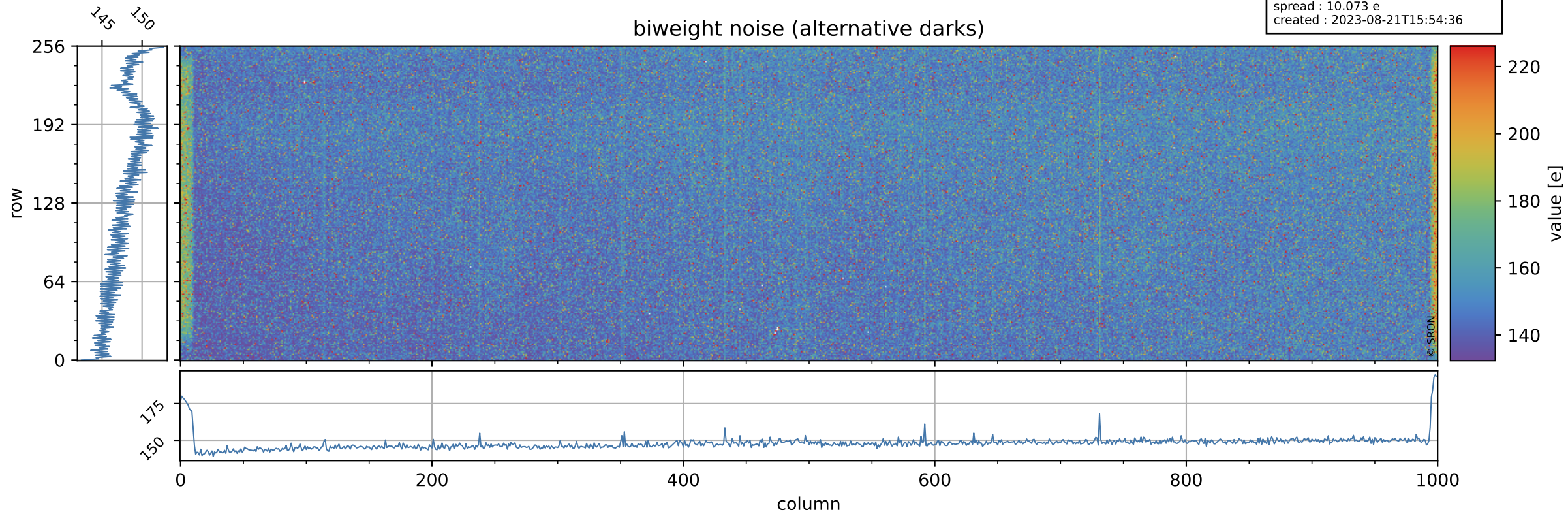
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.073 e  
created : 2023-08-21T15:54:36

## biweight noise (alternative darks)

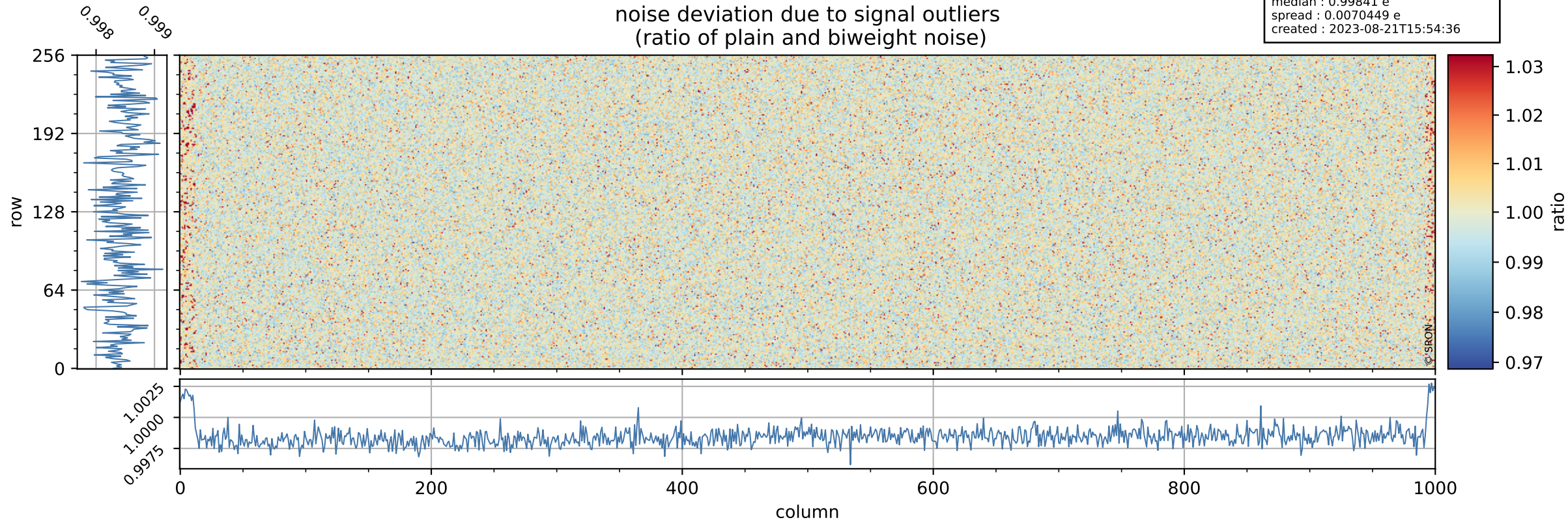




# Tropomi SWIR background noise (swir)

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

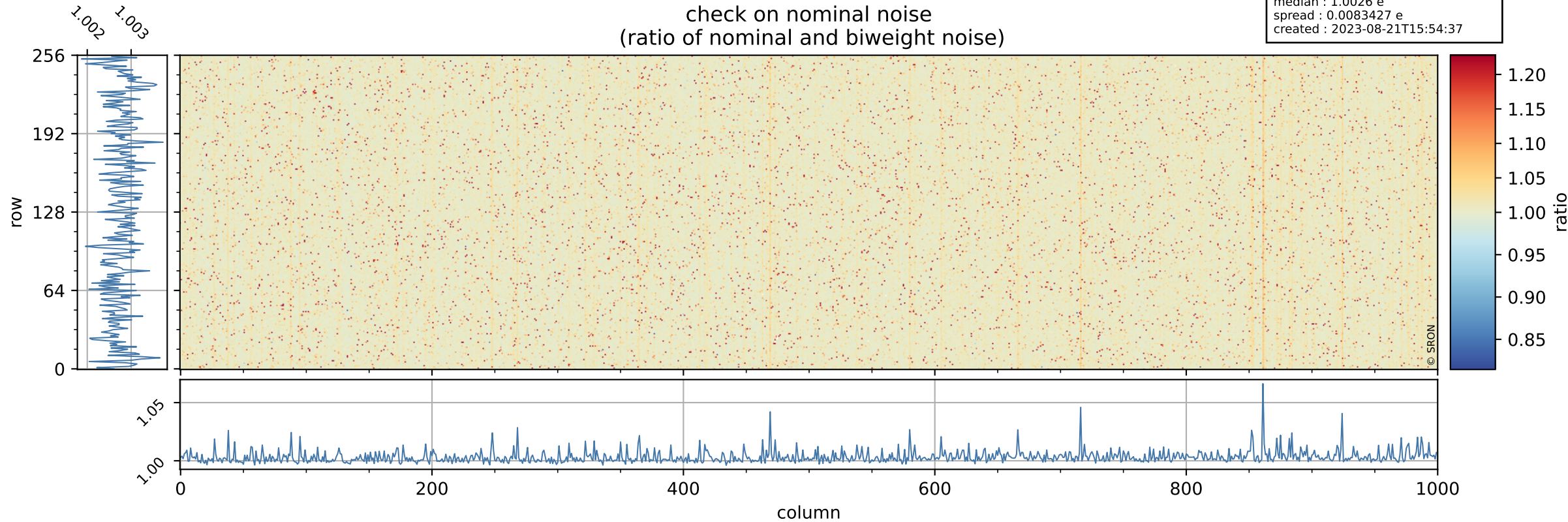
orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
median : 0.99841 e  
spread : 0.0070449 e  
created : 2023-08-21T15:54:36



# Tropomi SWIR background noise (swir)

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

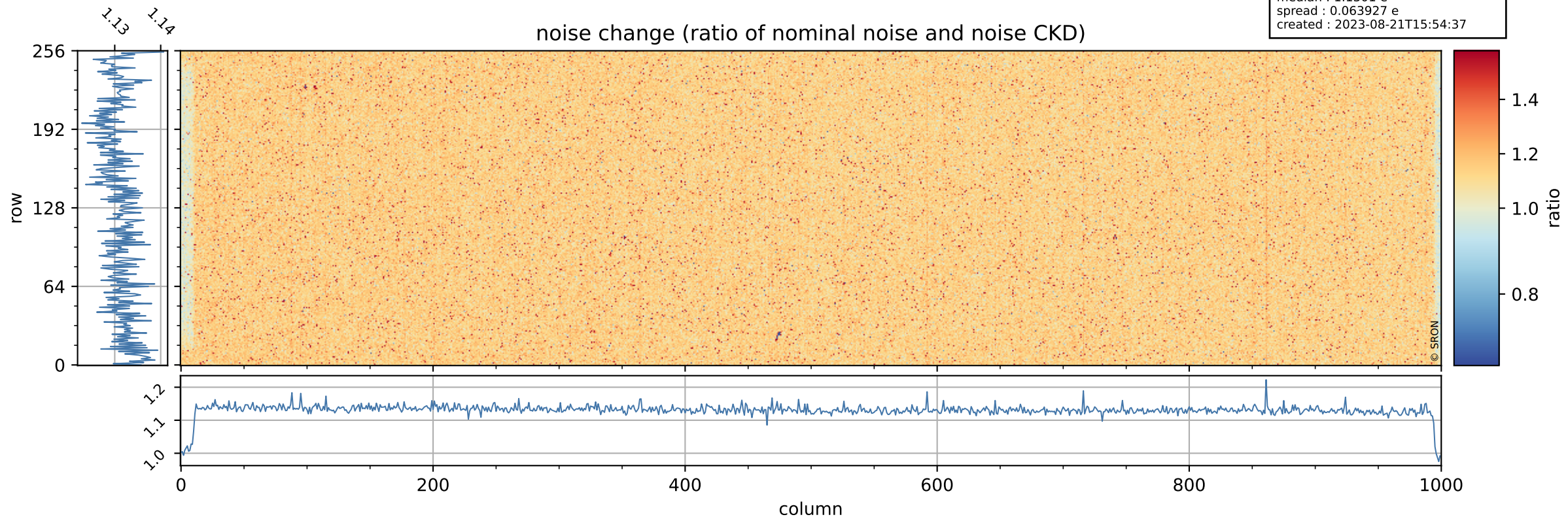
orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
median : 1.0026 e  
spread : 0.0083427 e  
created : 2023-08-21T15:54:37





# Tropomi SWIR background noise (swir)

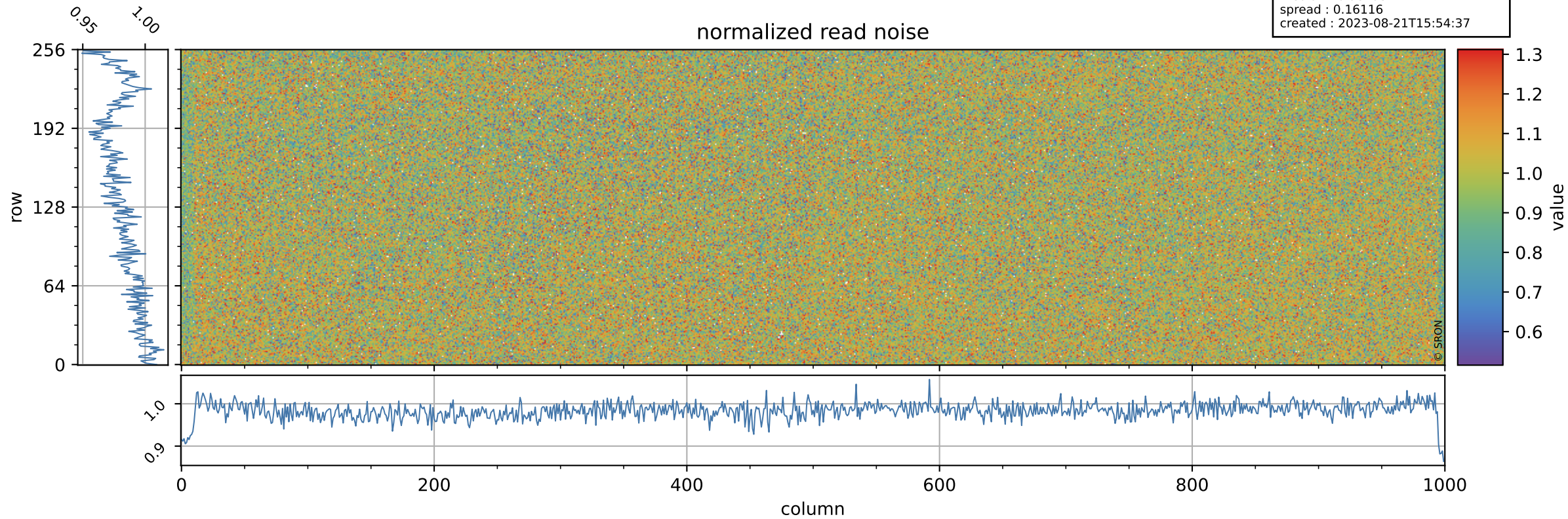
orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
median : 1.1301 e  
spread : 0.063927 e  
created : 2023-08-21T15:54:37





# Tropomi SWIR background noise (swir)

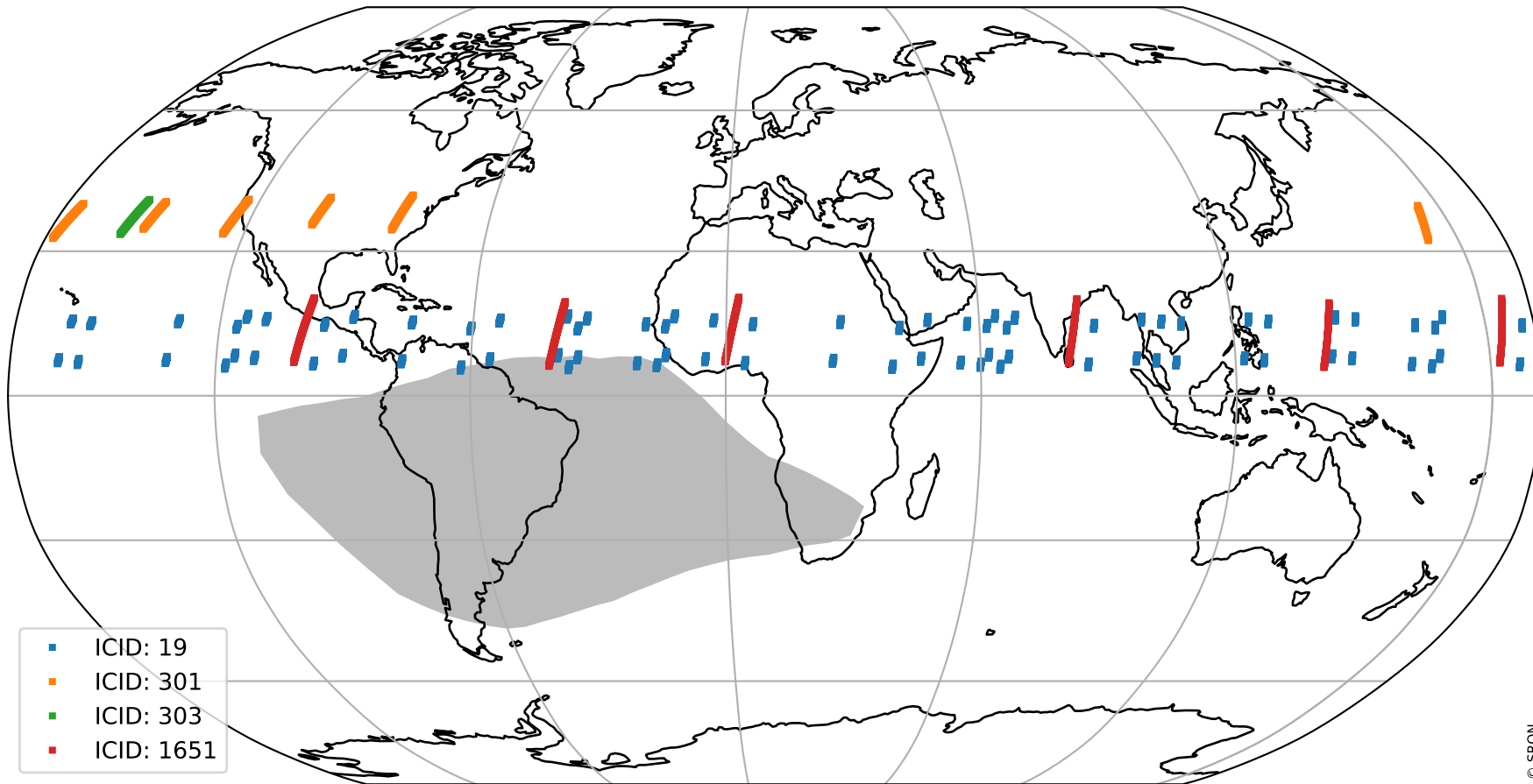
orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
median : 0.98195  
spread : 0.16116  
created : 2023-08-21T15:54:37





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

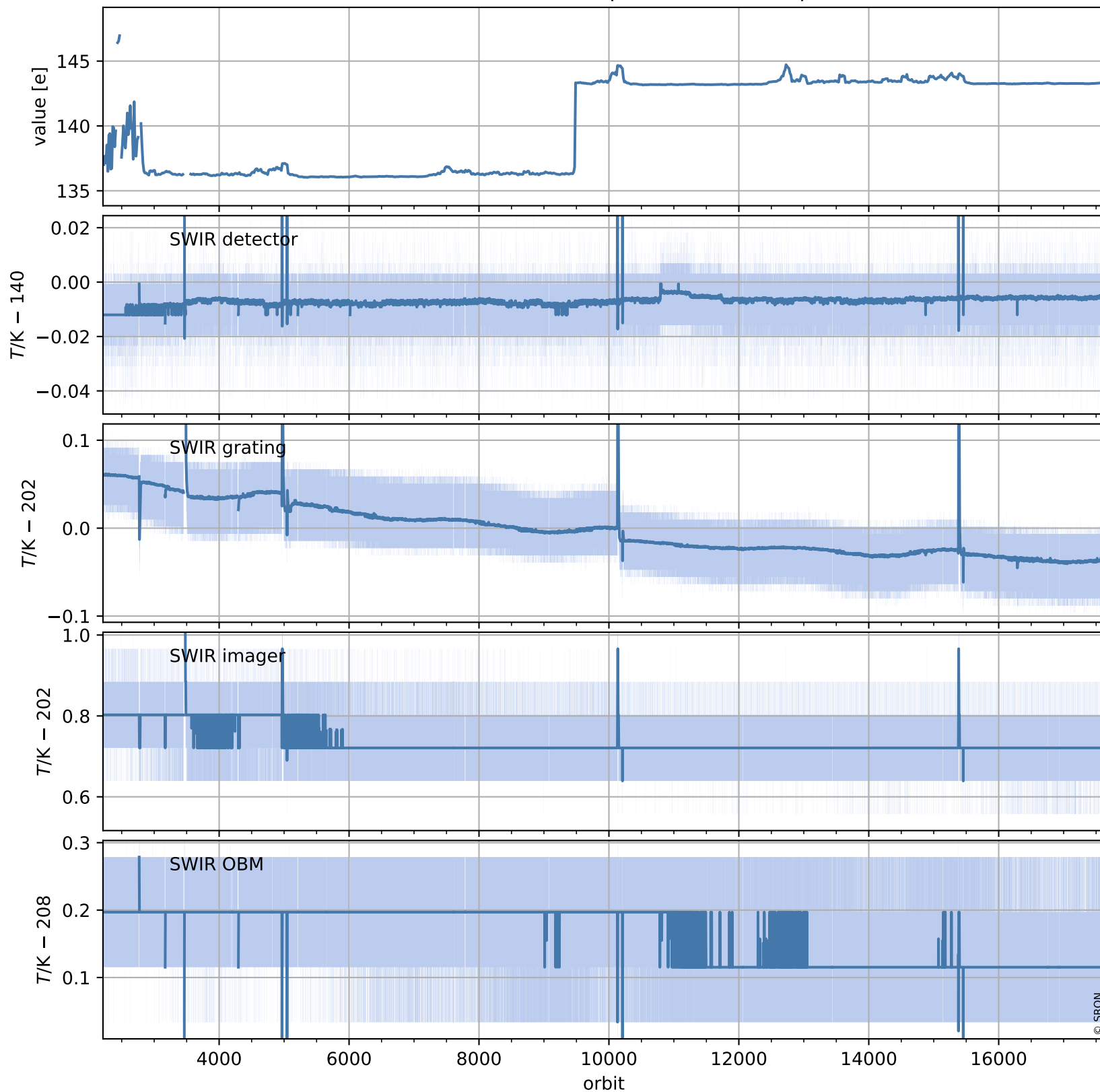
orbits : 13 in [17542, 17632]  
coverage : 2021-03-03 / 2021-03-08  
created : 2023-08-21T15:54:37



# Tropomi SWIR background noise (swir)

orbits : [2212, 17632]  
coverage : 2018-03-18 / 2021-03-08  
created : 2023-08-21T15:54:38

## trend of detector median of plain noise & temperatures

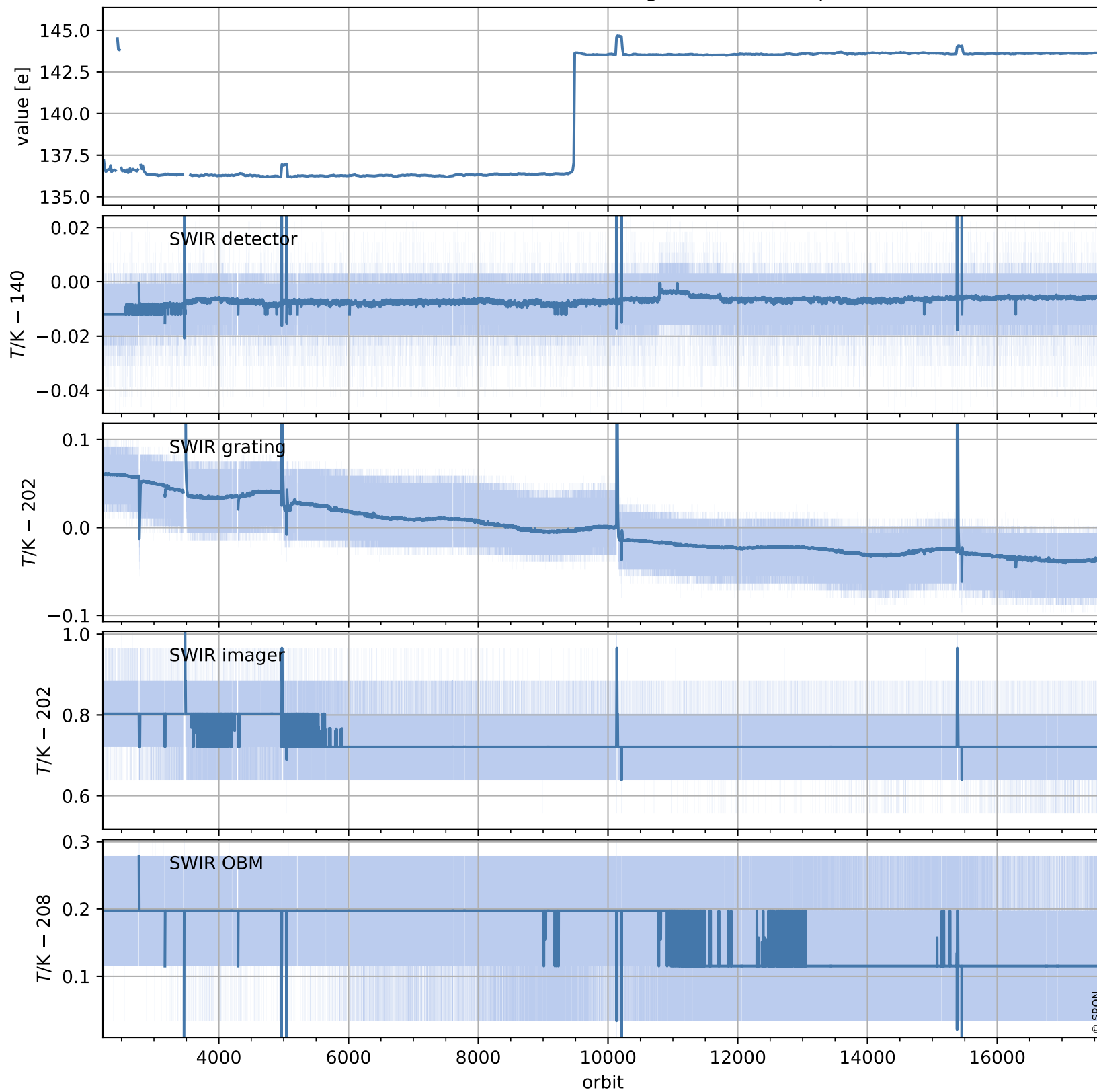




# Tropomi SWIR background noise (swir)

orbits : [2212, 17632]  
coverage : 2018-03-18 / 2021-03-08  
created : 2023-08-21T15:54:38

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17632]  
coverage : 2018-03-18 / 2021-03-08  
created : 2023-08-21T15:54:39

## trend of normalized read-noise & temperatures

