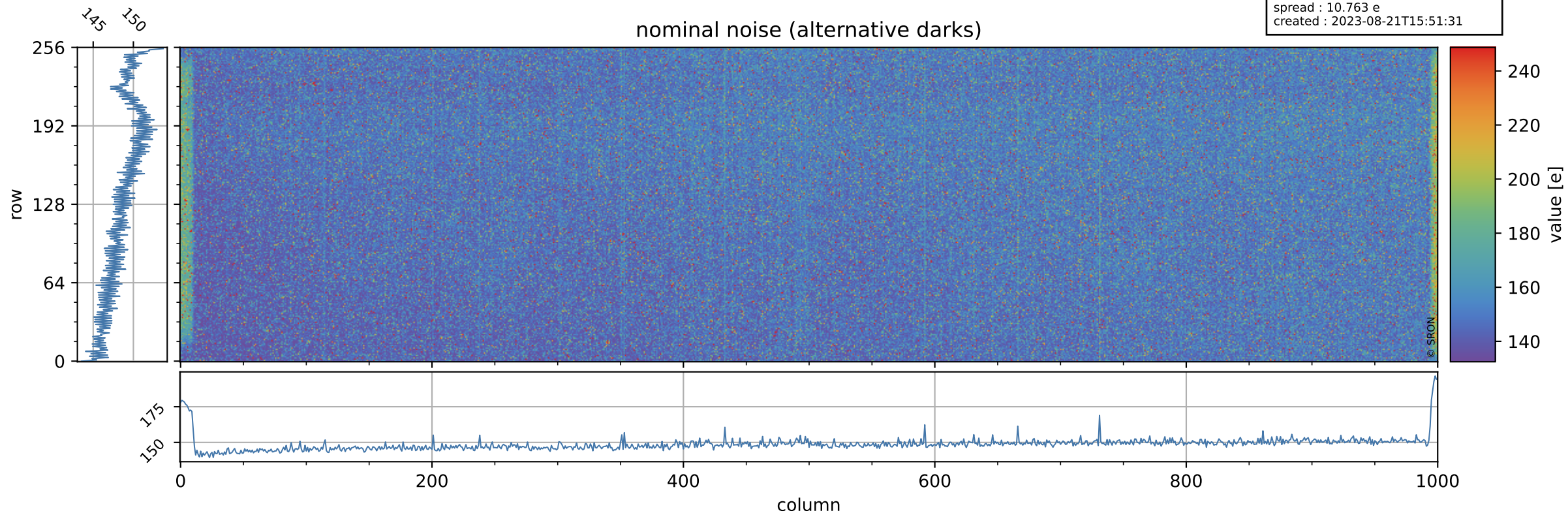


# Tropomi SWIR background noise (swir)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.58 e  
spread : 10.763 e  
created : 2023-08-21T15:51:31

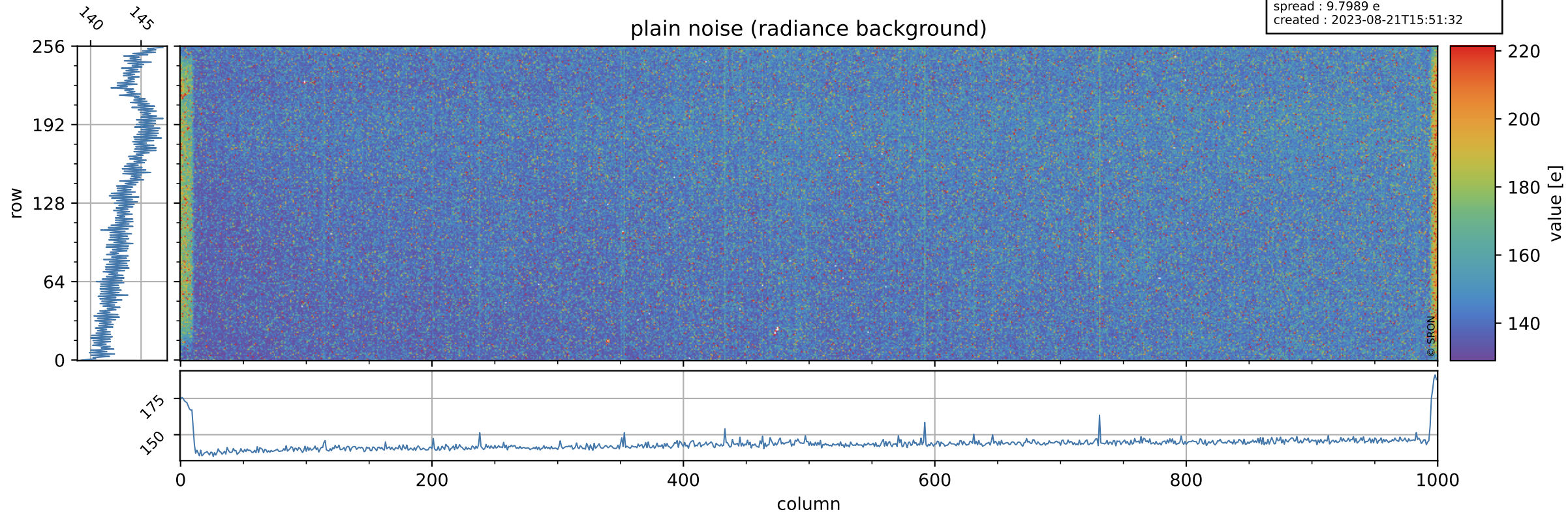
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.43 e  
spread : 9.7989 e  
created : 2023-08-21T15:51:32

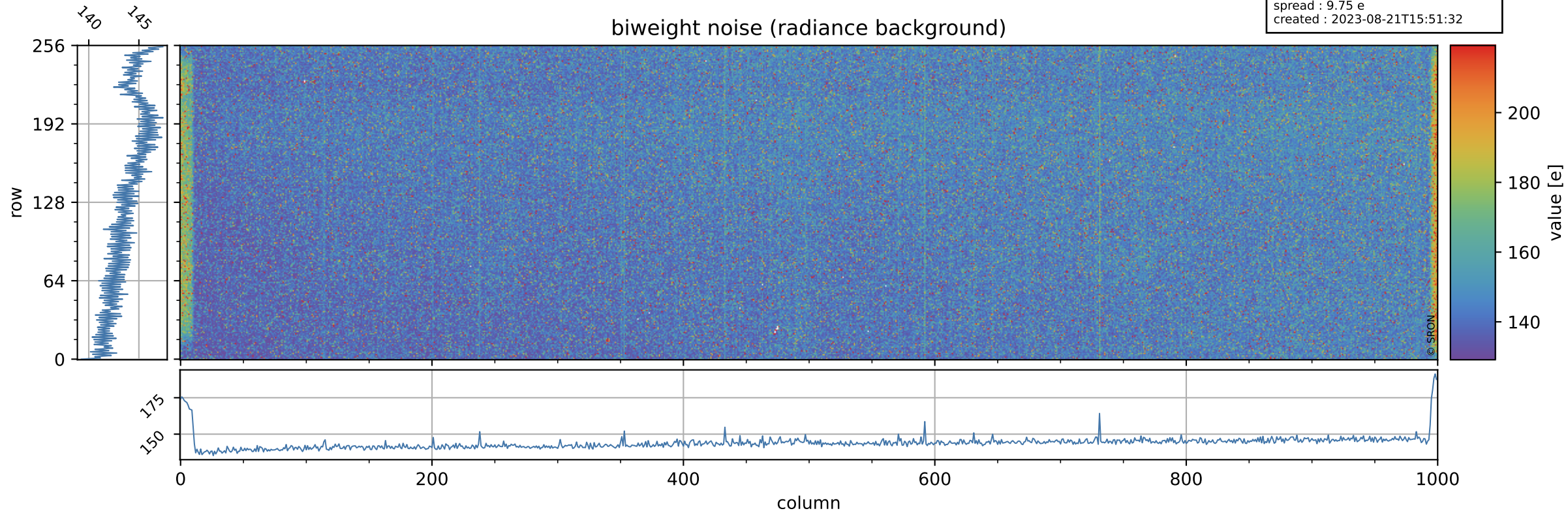
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.75 e  
created : 2023-08-21T15:51:32

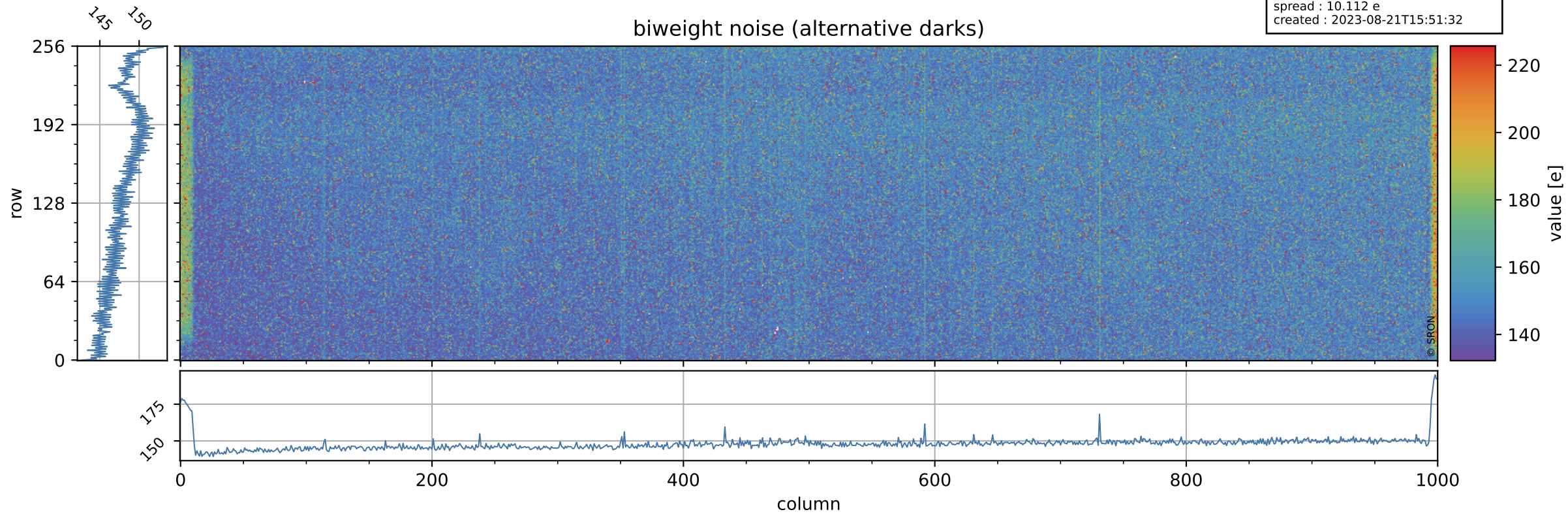
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.112 e  
created : 2023-08-21T15:51:32

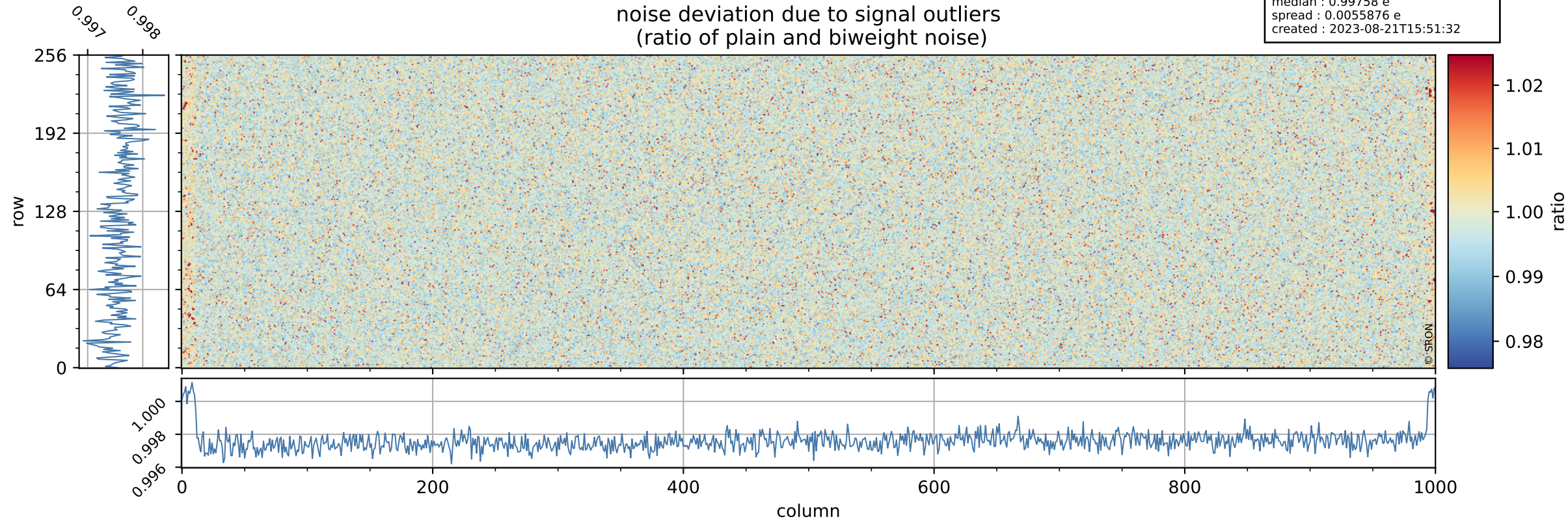
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

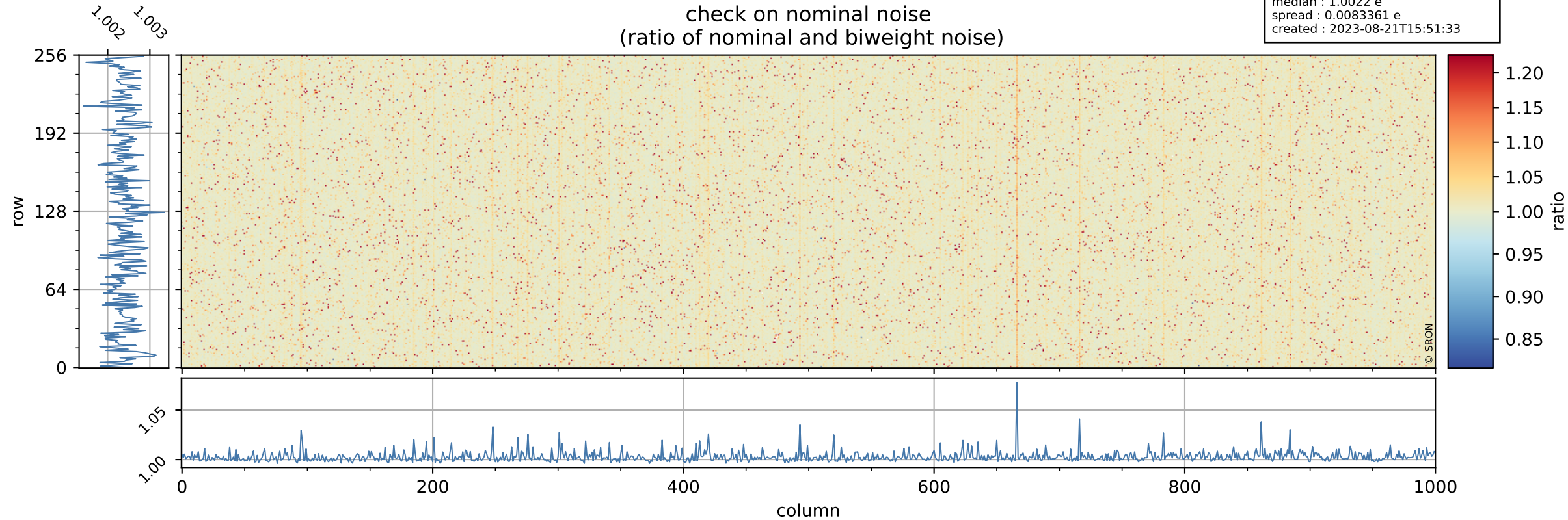
orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
median : 0.99758 e  
spread : 0.0055876 e  
created : 2023-08-21T15:51:32



# Tropomi SWIR background noise (swir)

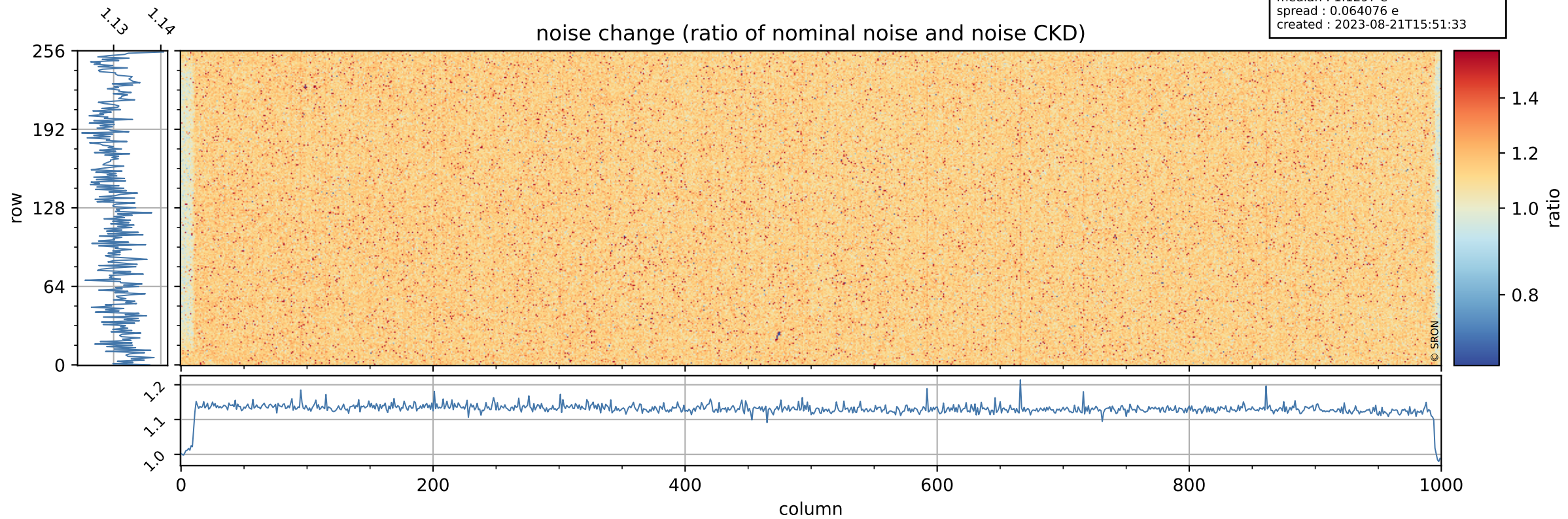
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
median : 1.0022 e  
spread : 0.0083361 e  
created : 2023-08-21T15:51:33



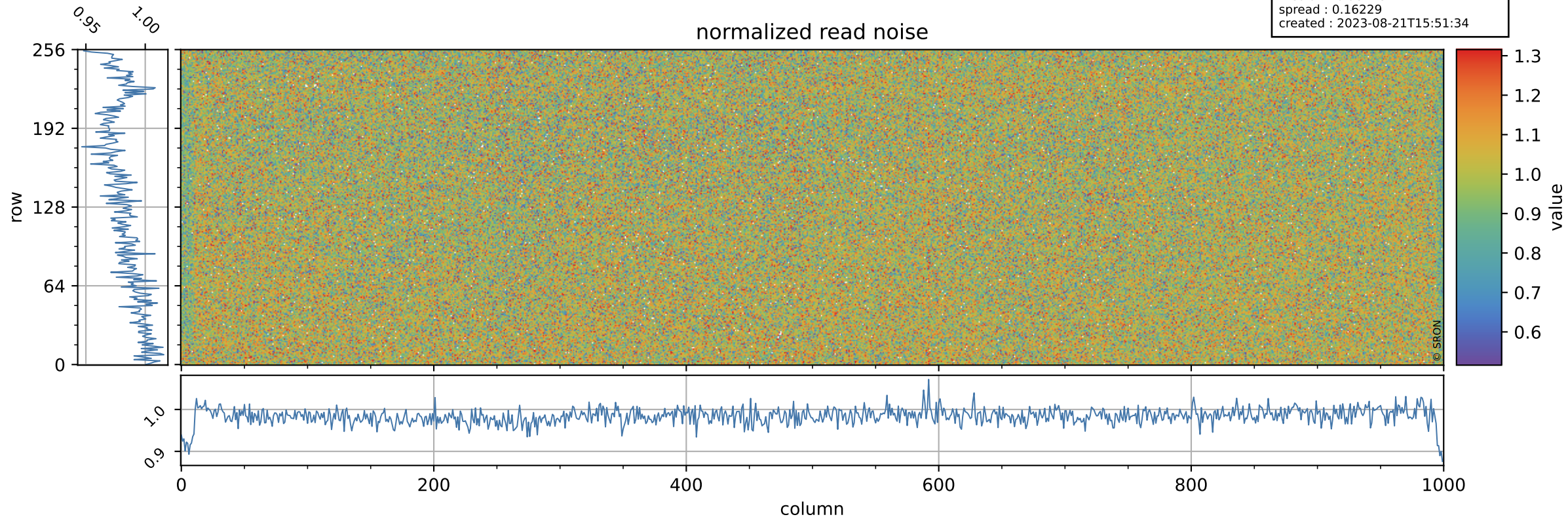
# Tropomi SWIR background noise (swir)

orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
median : 1.1297 e  
spread : 0.064076 e  
created : 2023-08-21T15:51:33



# Tropomi SWIR background noise (swir)

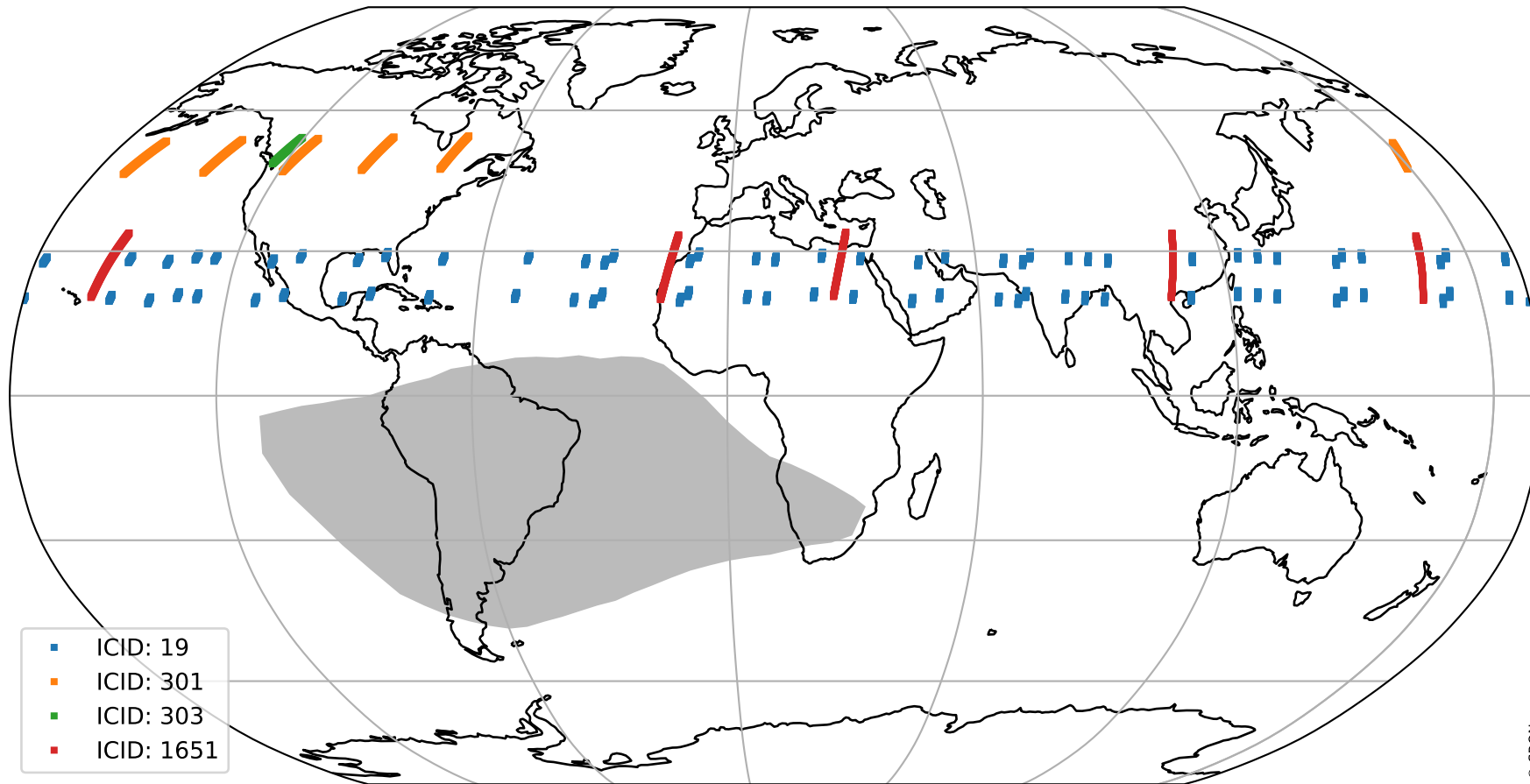
orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
median : 0.98248  
spread : 0.16229  
created : 2023-08-21T15:51:34





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

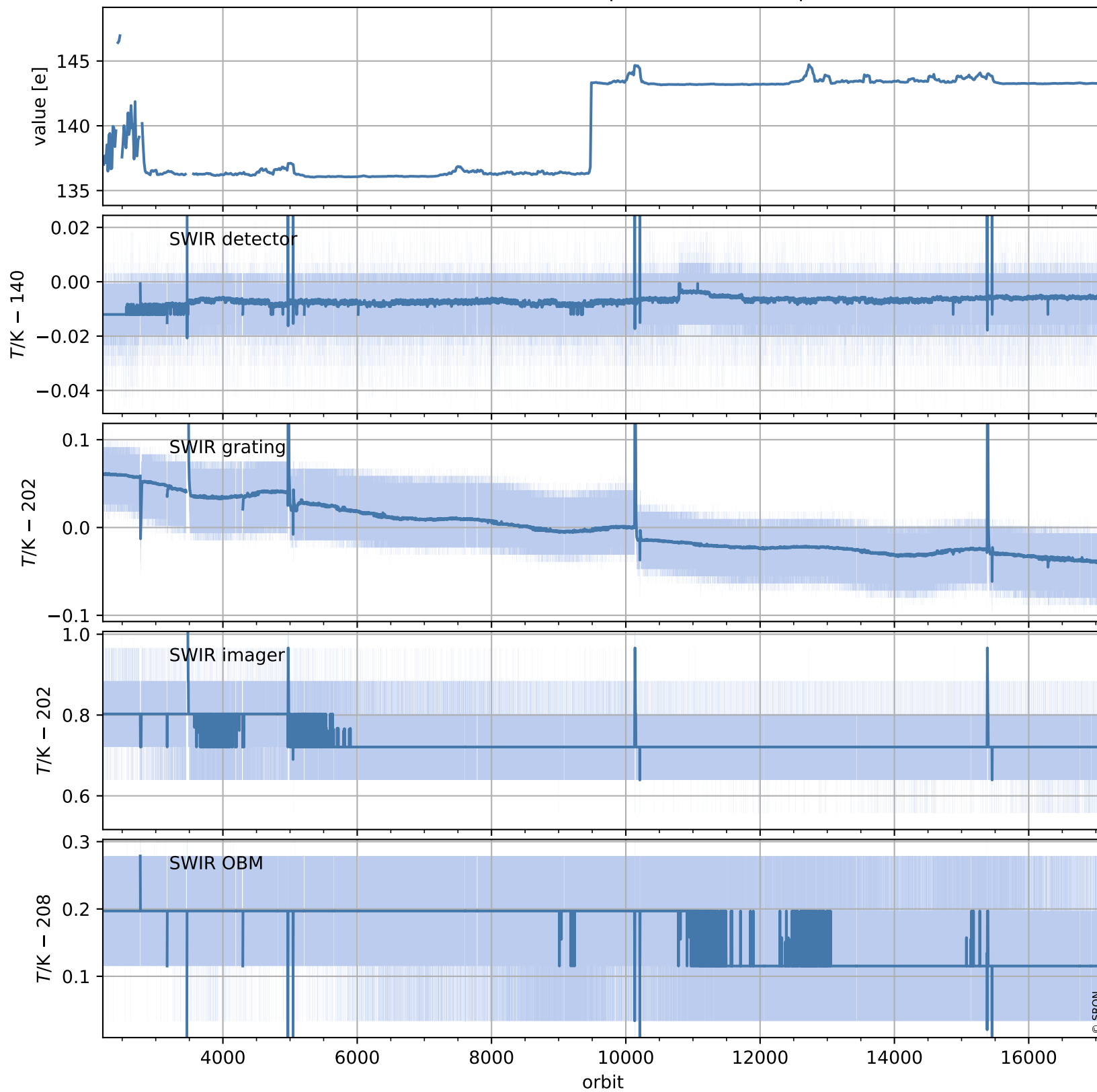
orbits : 12 in [17032, 17107]  
coverage : 2021-01-25 / 2021-01-30  
created : 2023-08-21T15:51:34



# Tropomi SWIR background noise (swir)

orbits : [2212, 17107]  
coverage : 2018-03-18 / 2021-01-30  
created : 2023-08-21T15:51:34

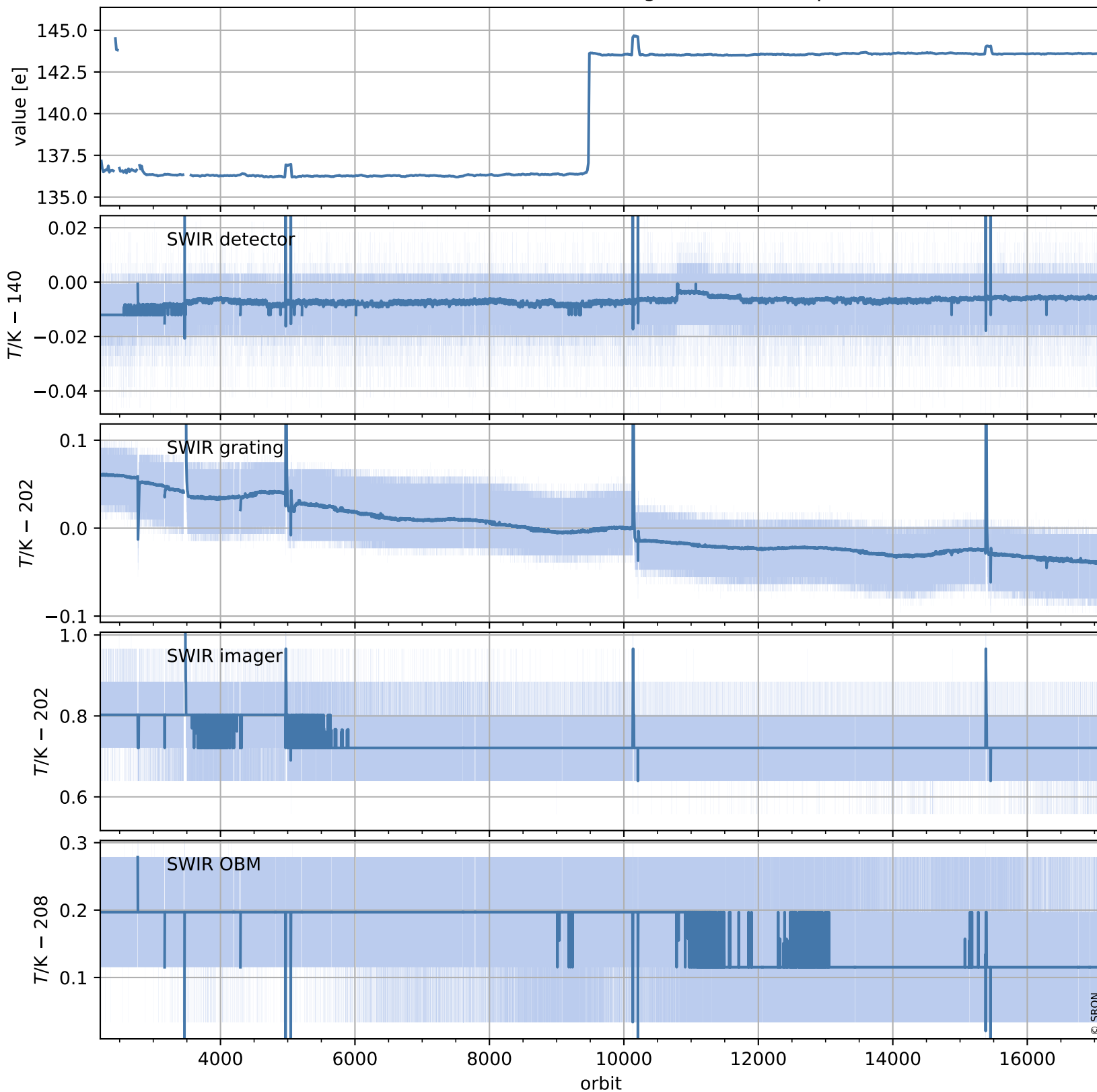
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17107]  
coverage : 2018-03-18 / 2021-01-30  
created : 2023-08-21T15:51:35

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17107]  
coverage : 2018-03-18 / 2021-01-30  
created : 2023-08-21T15:51:36

## trend of normalized read-noise & temperatures

