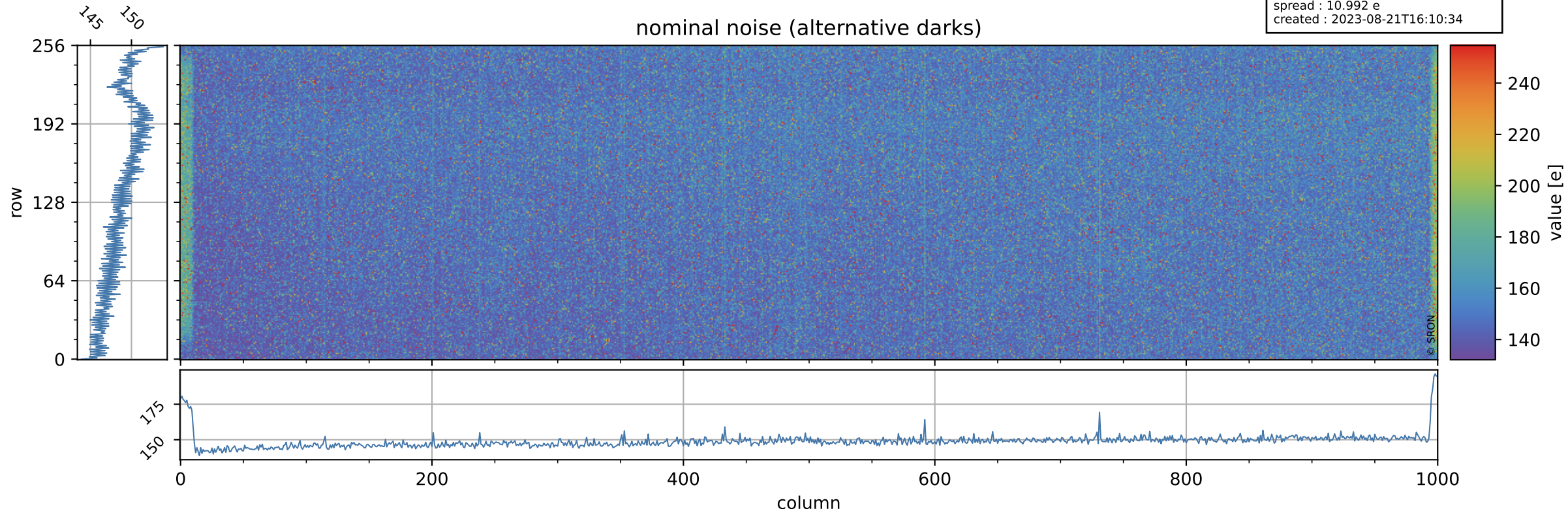


# Tropomi SWIR background noise (swir)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.992 e  
created : 2023-08-21T16:10:34

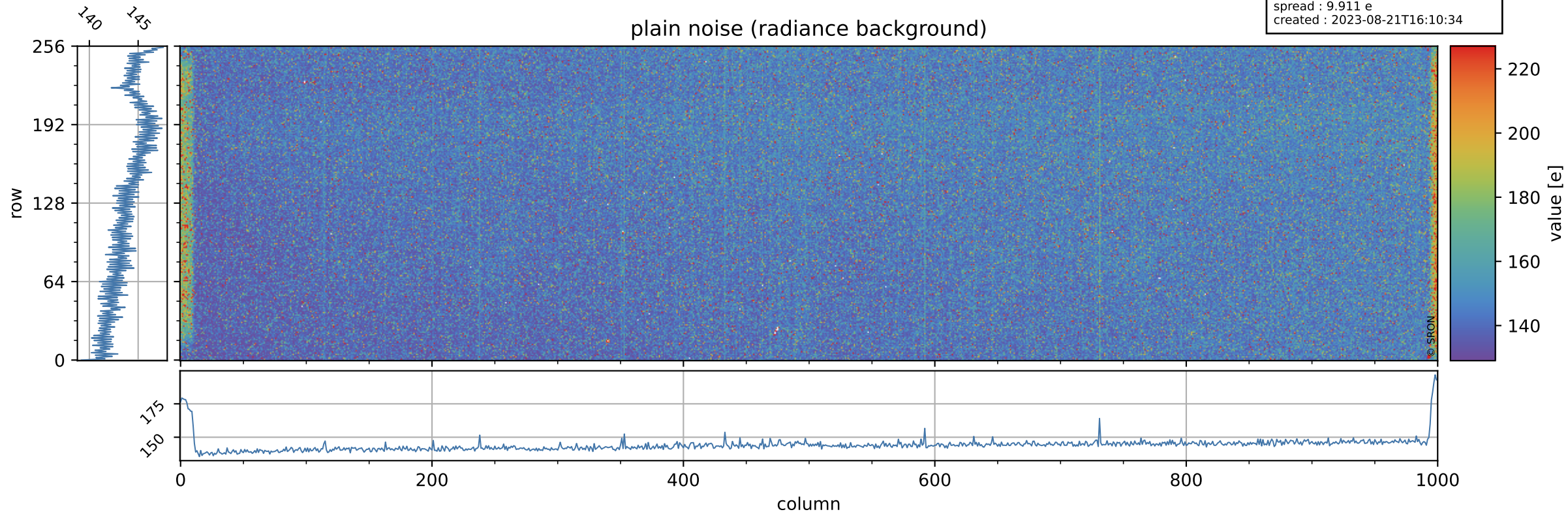
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.911 e  
created : 2023-08-21T16:10:34

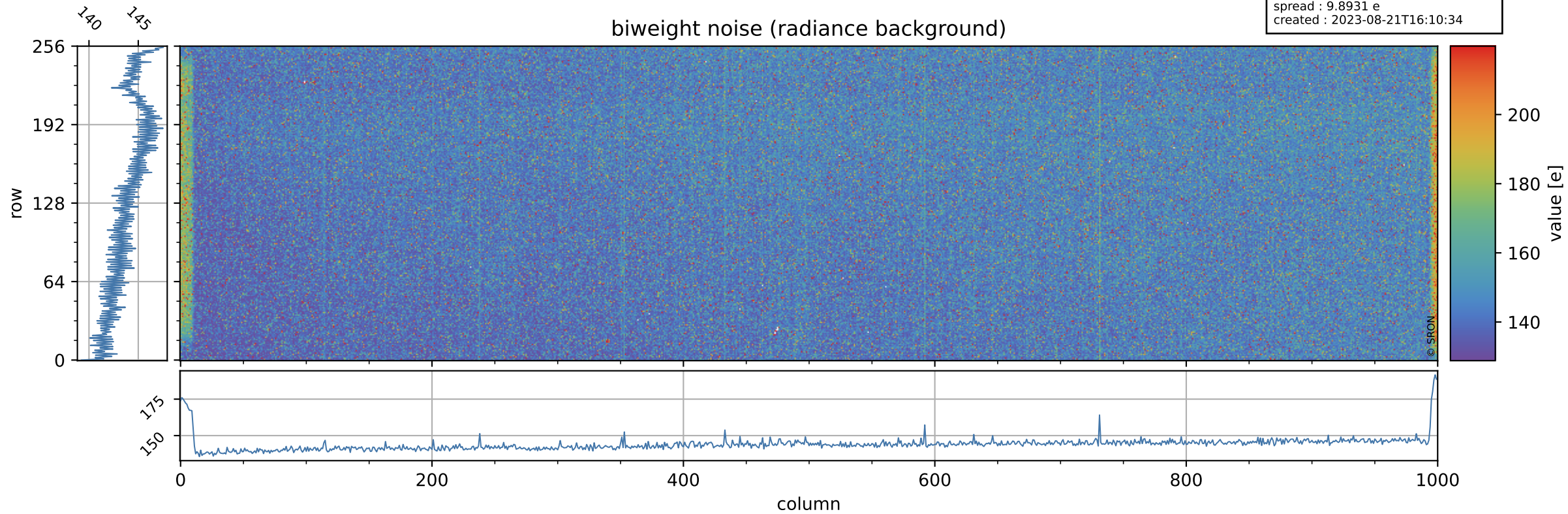
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.8931 e  
created : 2023-08-21T16:10:34

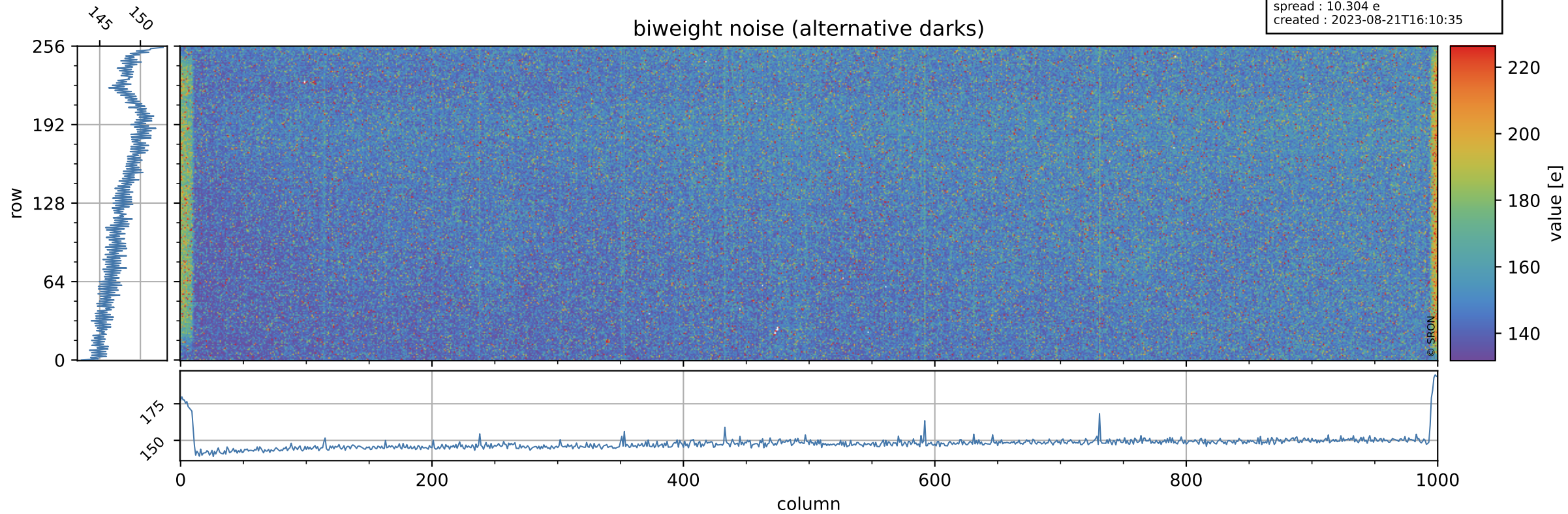
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.304 e  
created : 2023-08-21T16:10:35

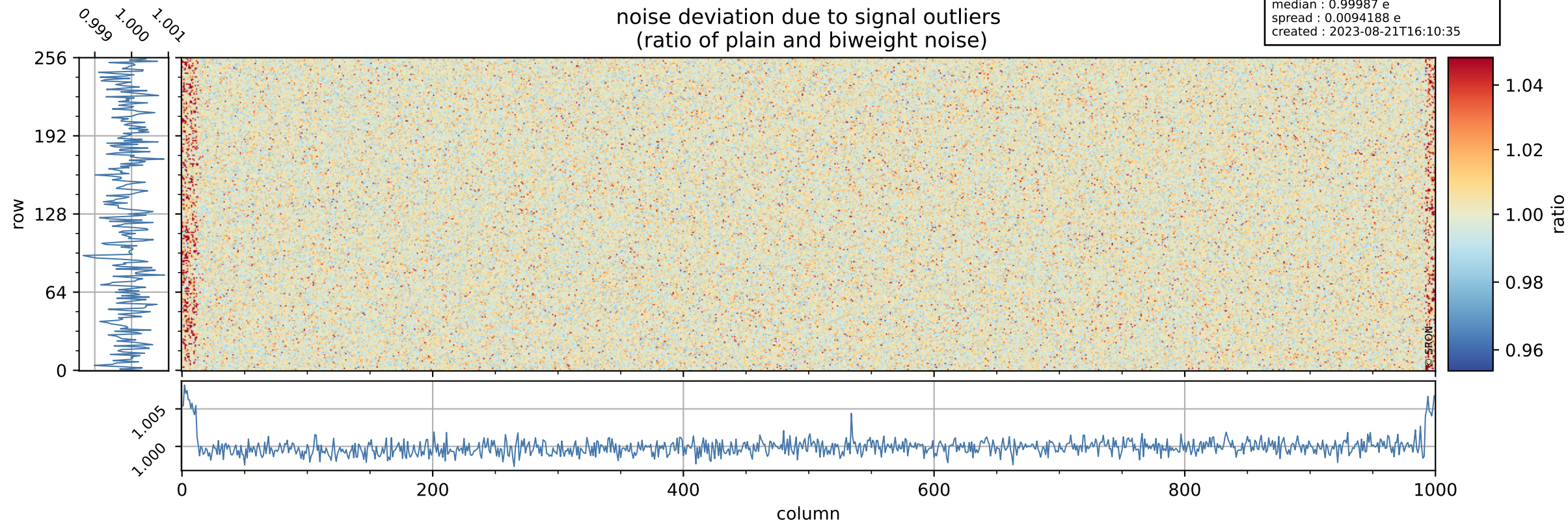
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

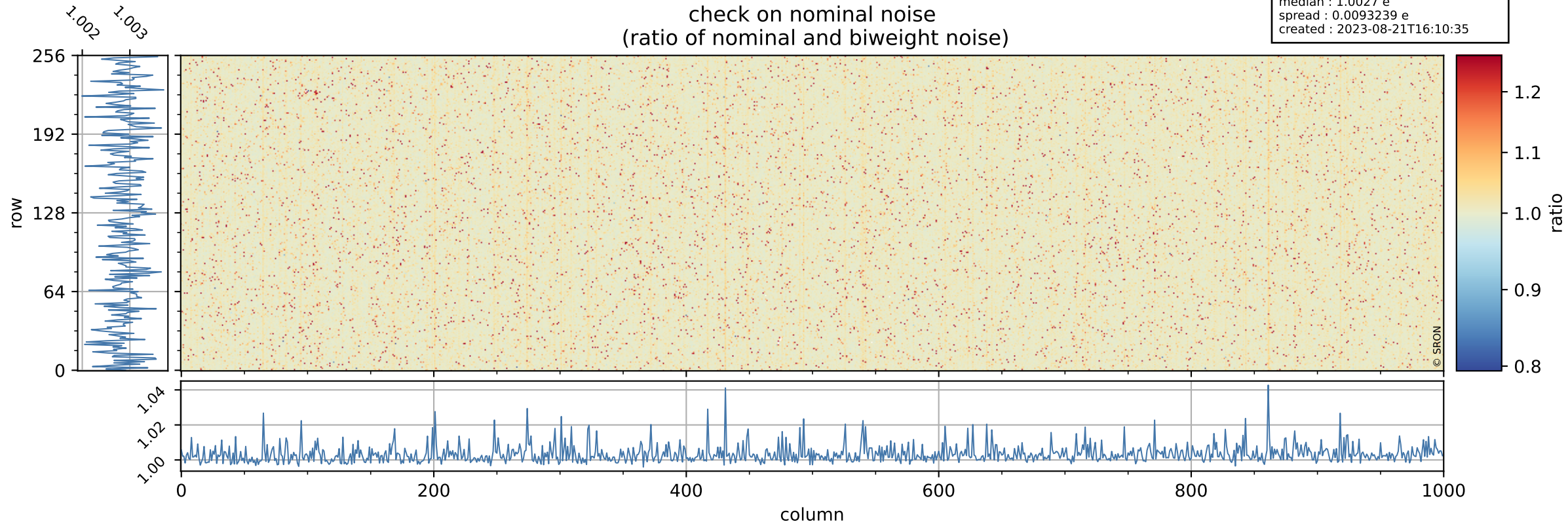
orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
median : 0.99987 e  
spread : 0.0094188 e  
created : 2023-08-21T16:10:35



# Tropomi SWIR background noise (swir)

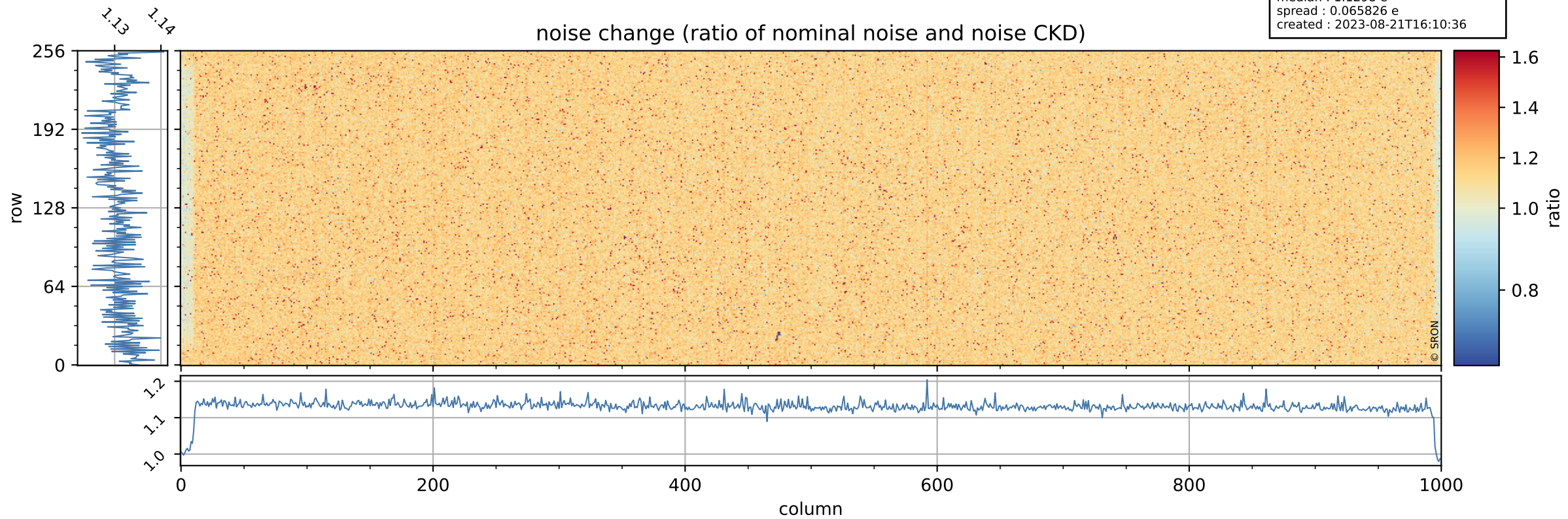
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
median : 1.0027 e  
spread : 0.0093239 e  
created : 2023-08-21T16:10:35



# Tropomi SWIR background noise (swir)

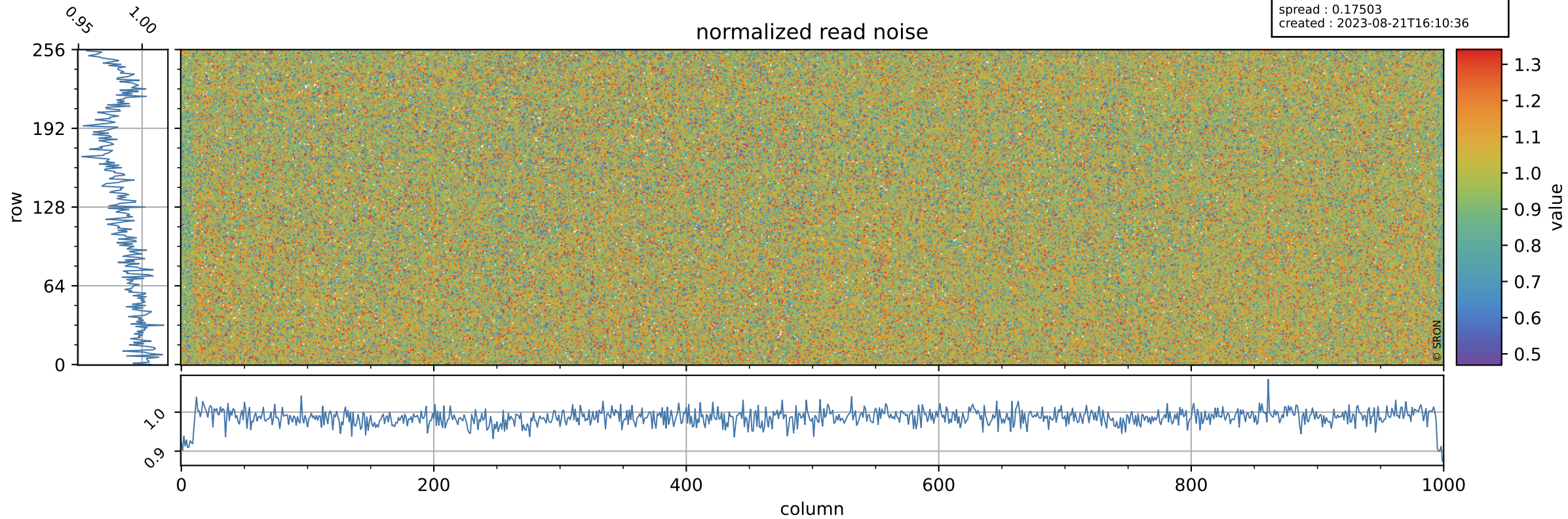
orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
median : 1.1298 e  
spread : 0.065826 e  
created : 2023-08-21T16:10:36



# Tropomi SWIR background noise (swir)

orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
median : 0.98487  
spread : 0.17503  
created : 2023-08-21T16:10:36

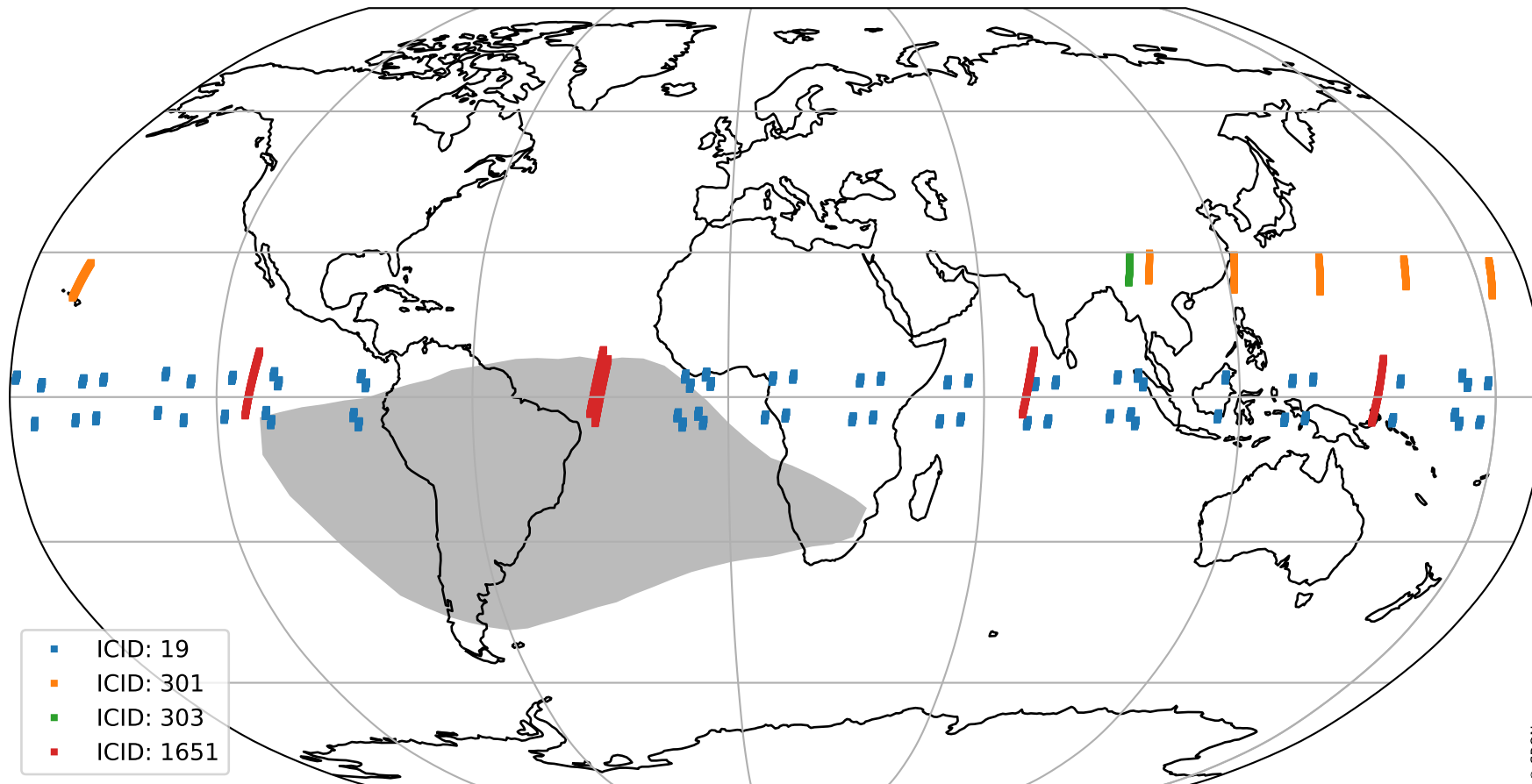
normalized read noise





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

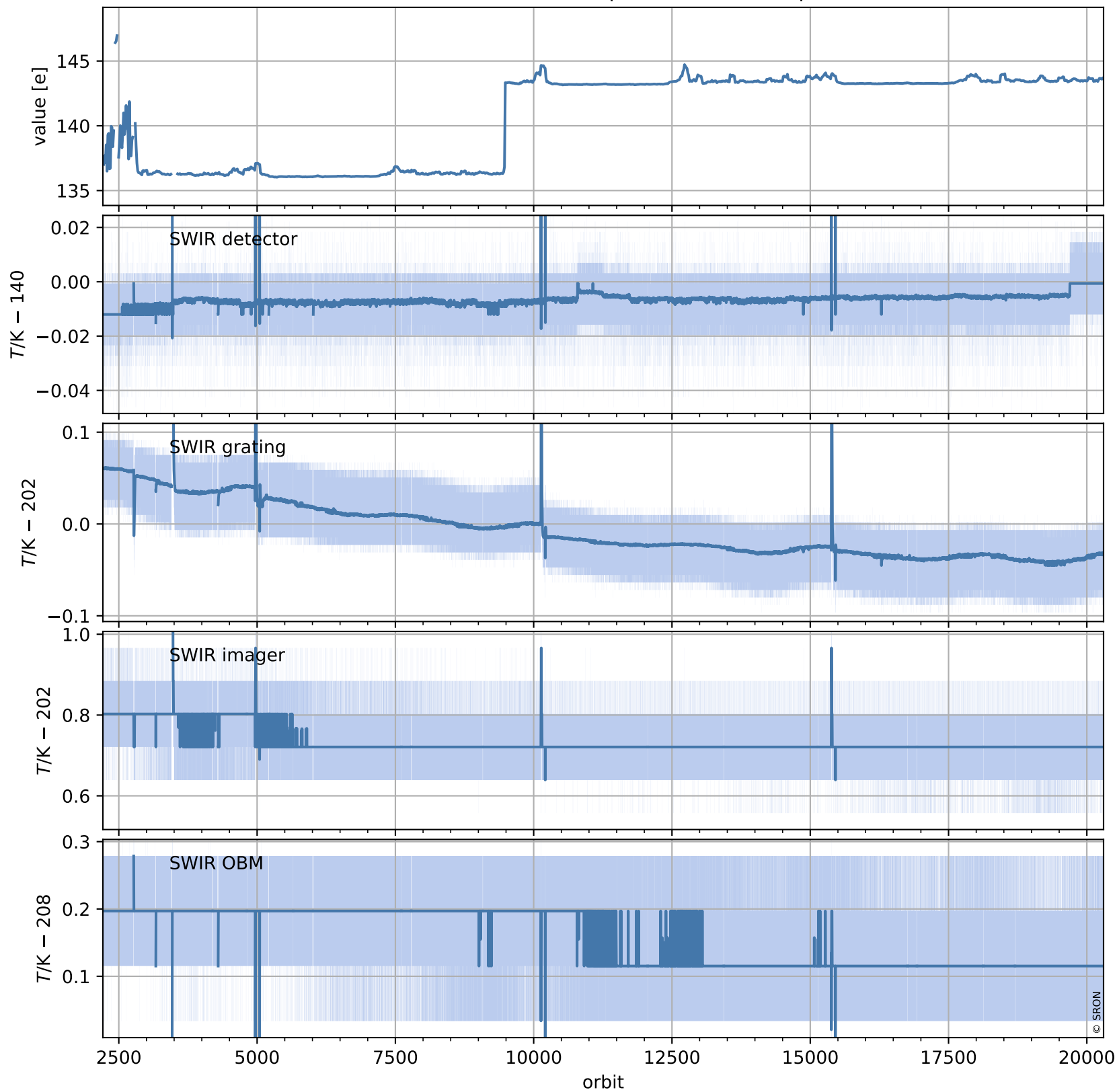
orbits : 12 in [20212, 20302]  
coverage : 2021-09-07 / 2021-09-13  
created : 2023-08-21T16:10:36



# Tropomi SWIR background noise (swir)

orbits : [2212, 20302]  
coverage : 2018-03-18 / 2021-09-13  
created : 2023-08-21T16:10:37

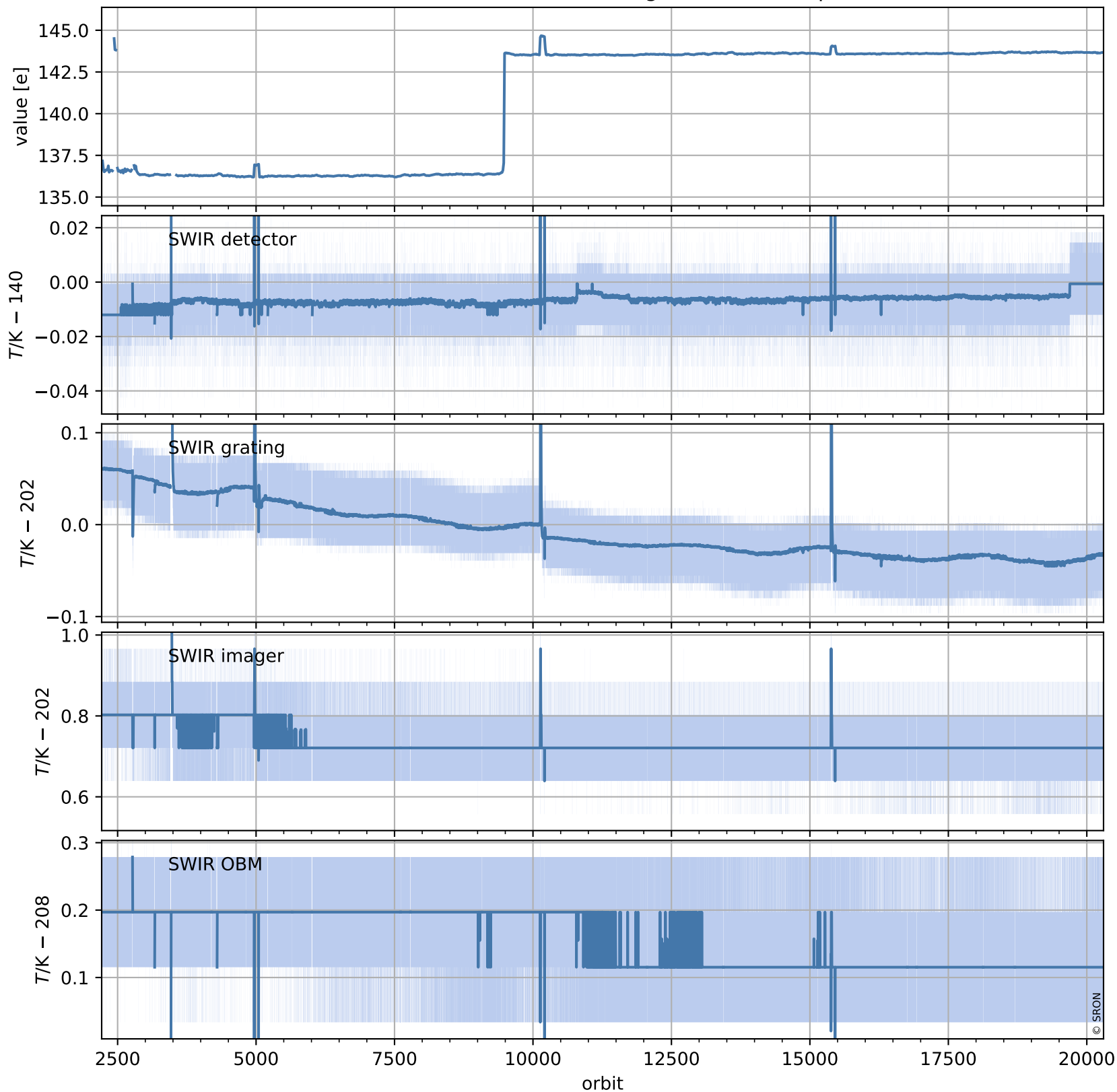
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20302]  
coverage : 2018-03-18 / 2021-09-13  
created : 2023-08-21T16:10:37

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20302]  
coverage : 2018-03-18 / 2021-09-13  
created : 2023-08-21T16:10:38

## trend of normalized read-noise & temperatures

