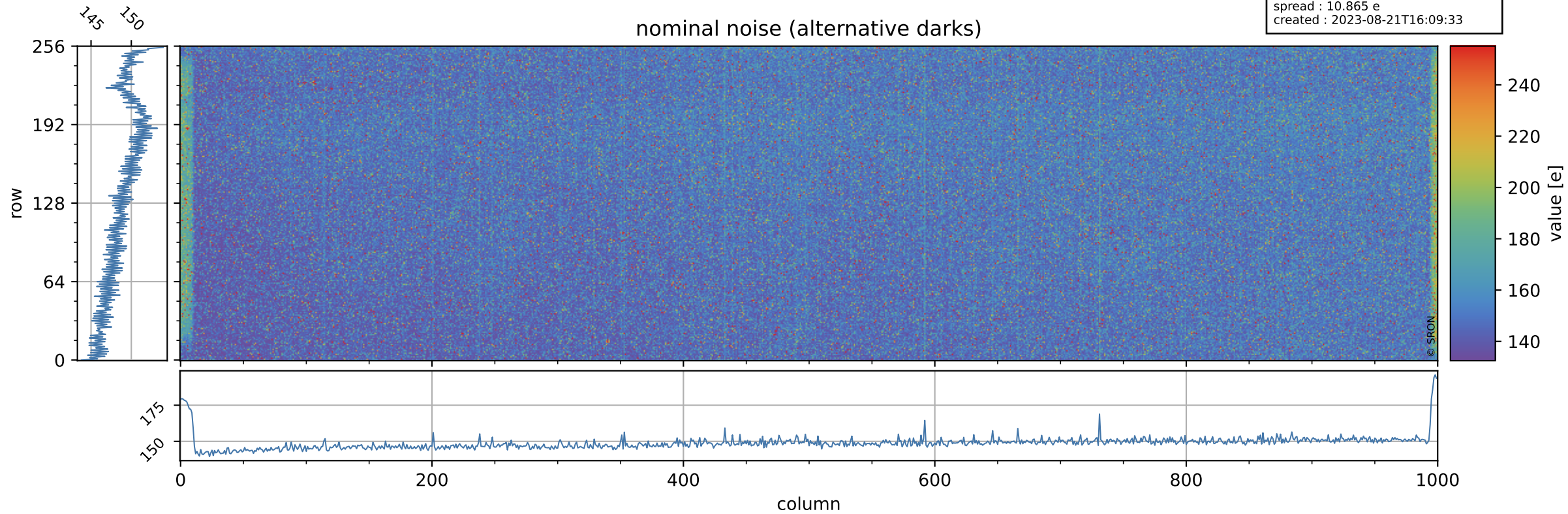


# Tropomi SWIR background noise (swir)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.74 e  
spread : 10.865 e  
created : 2023-08-21T16:09:33

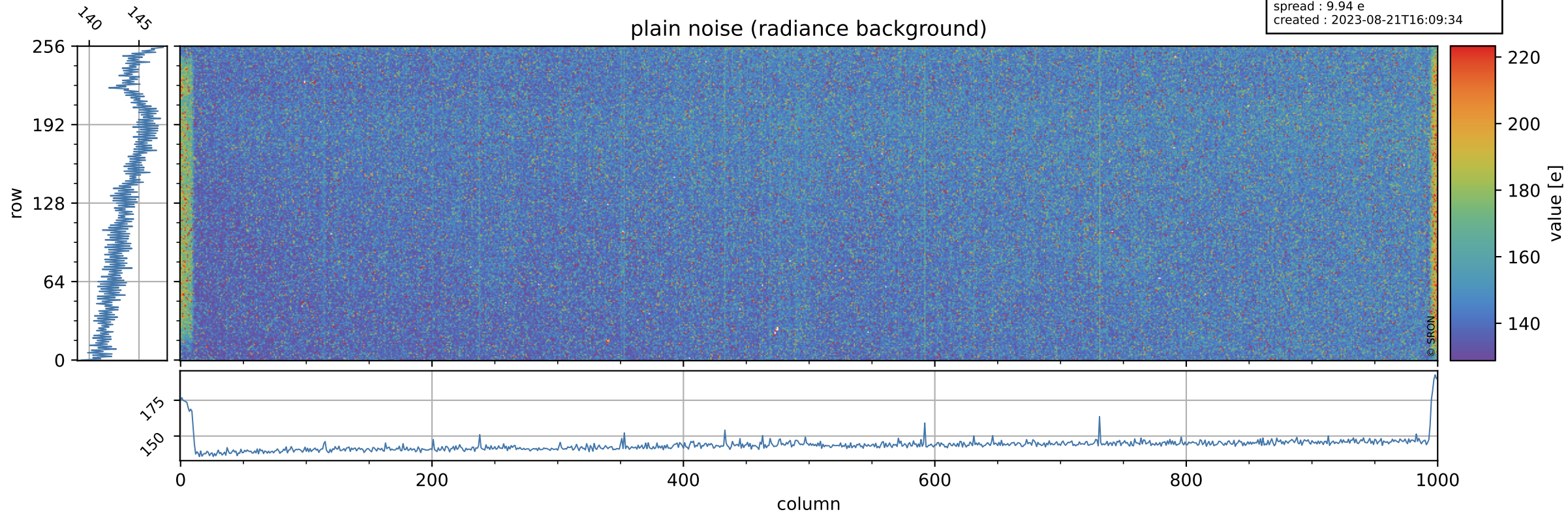
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.59 e  
spread : 9.94 e  
created : 2023-08-21T16:09:34

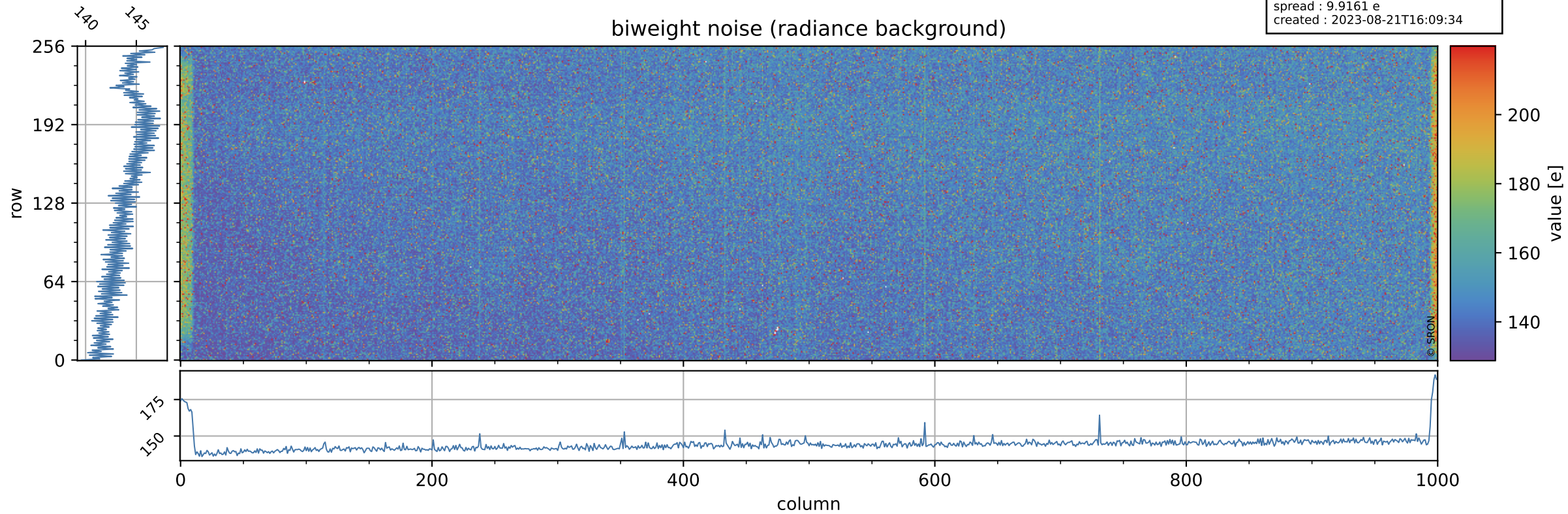
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.9161 e  
created : 2023-08-21T16:09:34

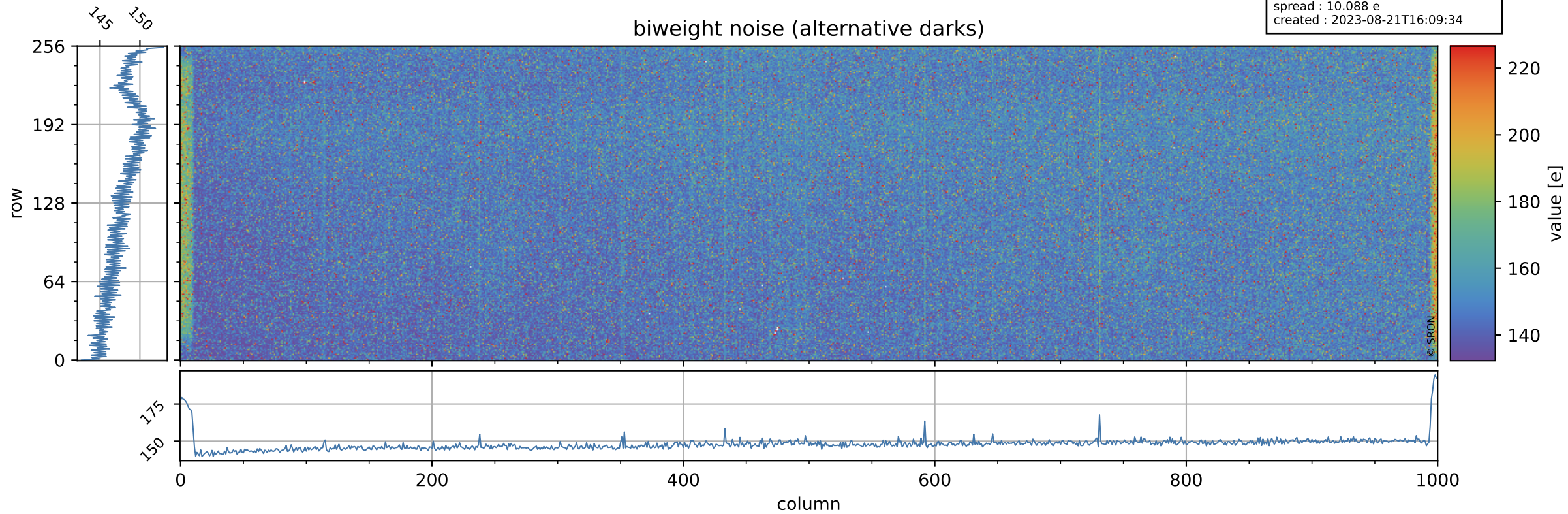
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.088 e  
created : 2023-08-21T16:09:34

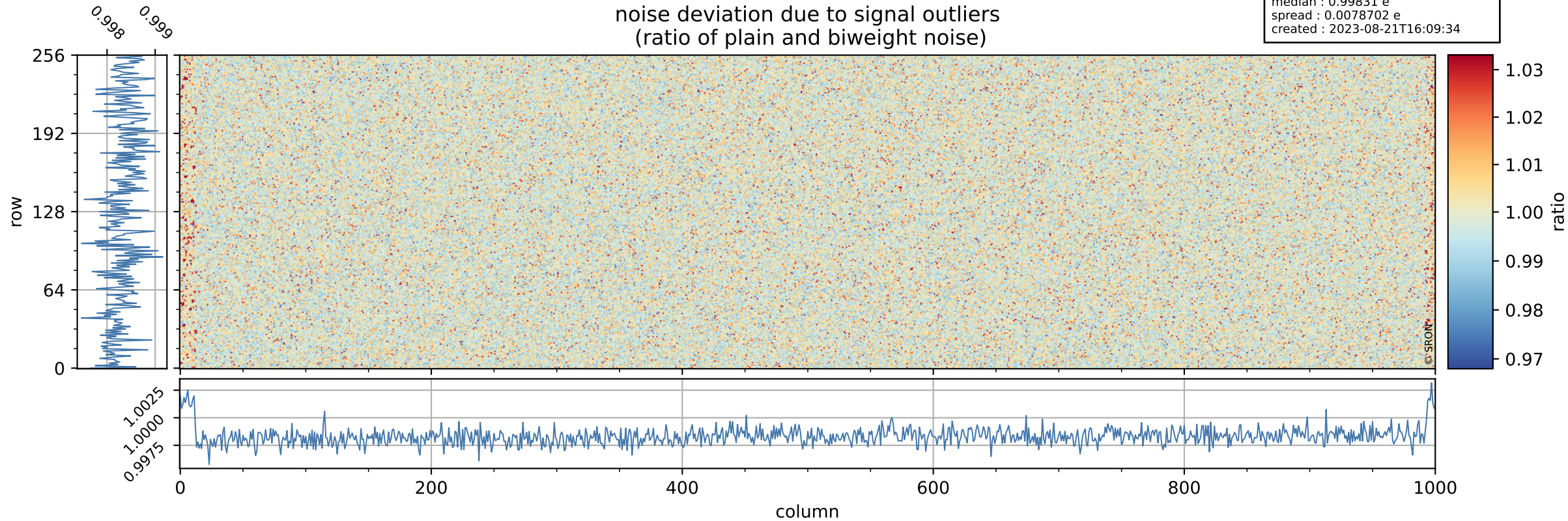
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

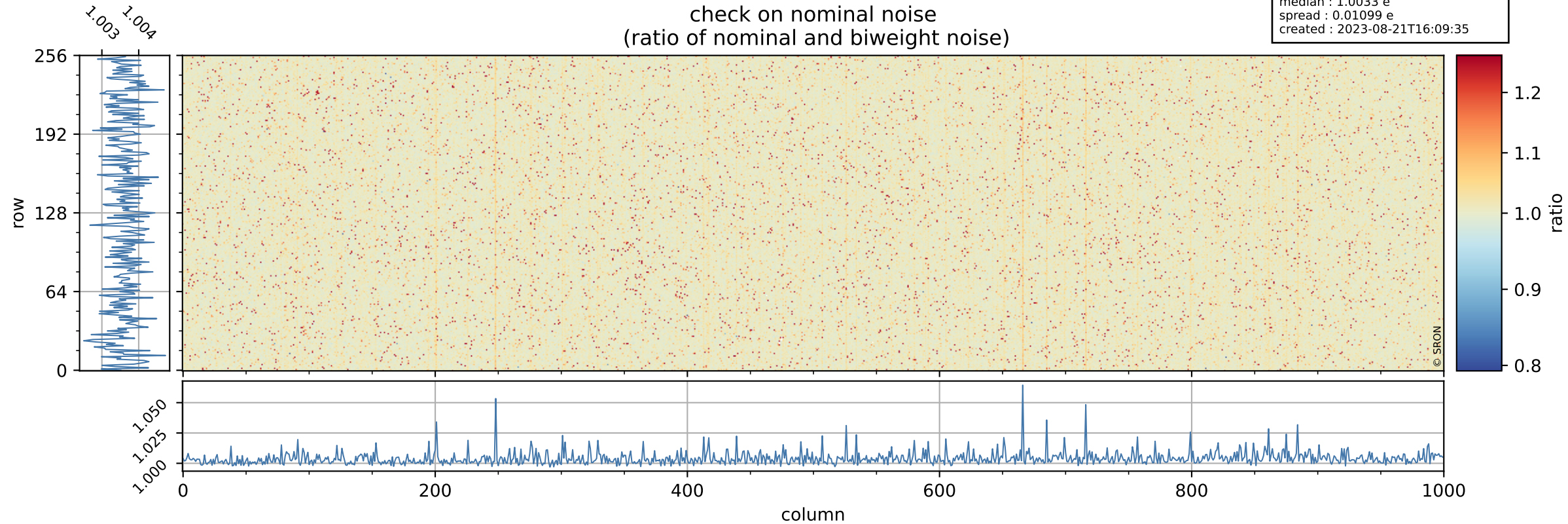
orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
median : 0.99831 e  
spread : 0.0078702 e  
created : 2023-08-21T16:09:34



# Tropomi SWIR background noise (swir)

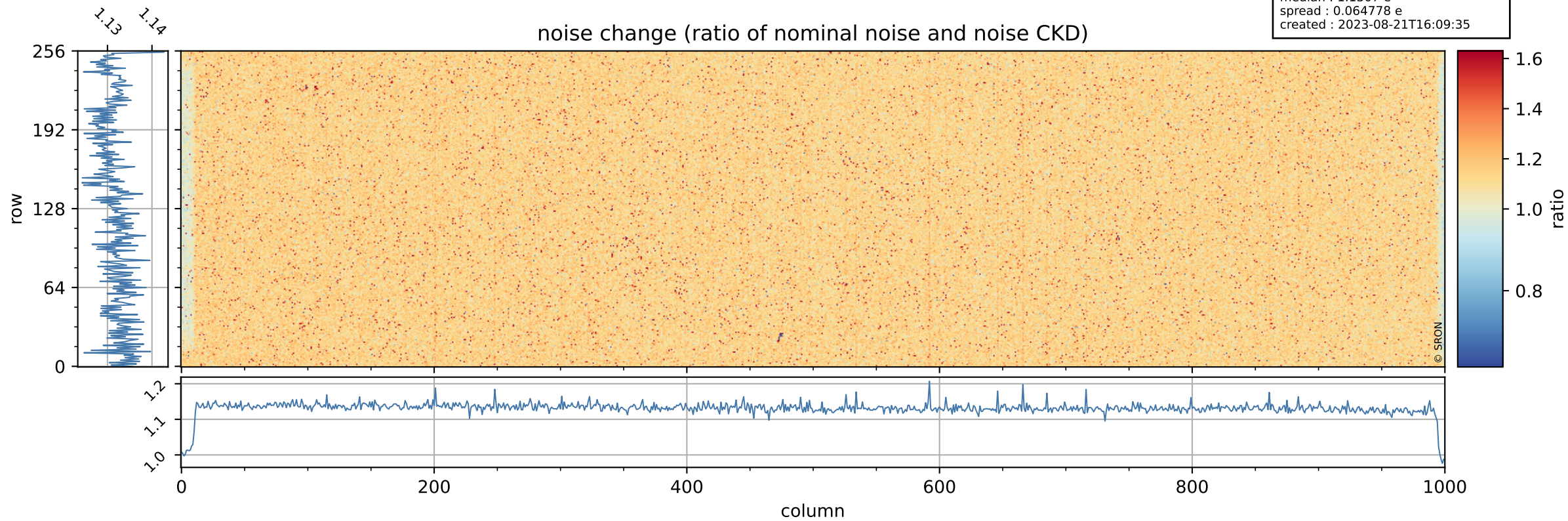
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
median : 1.0033 e  
spread : 0.01099 e  
created : 2023-08-21T16:09:35



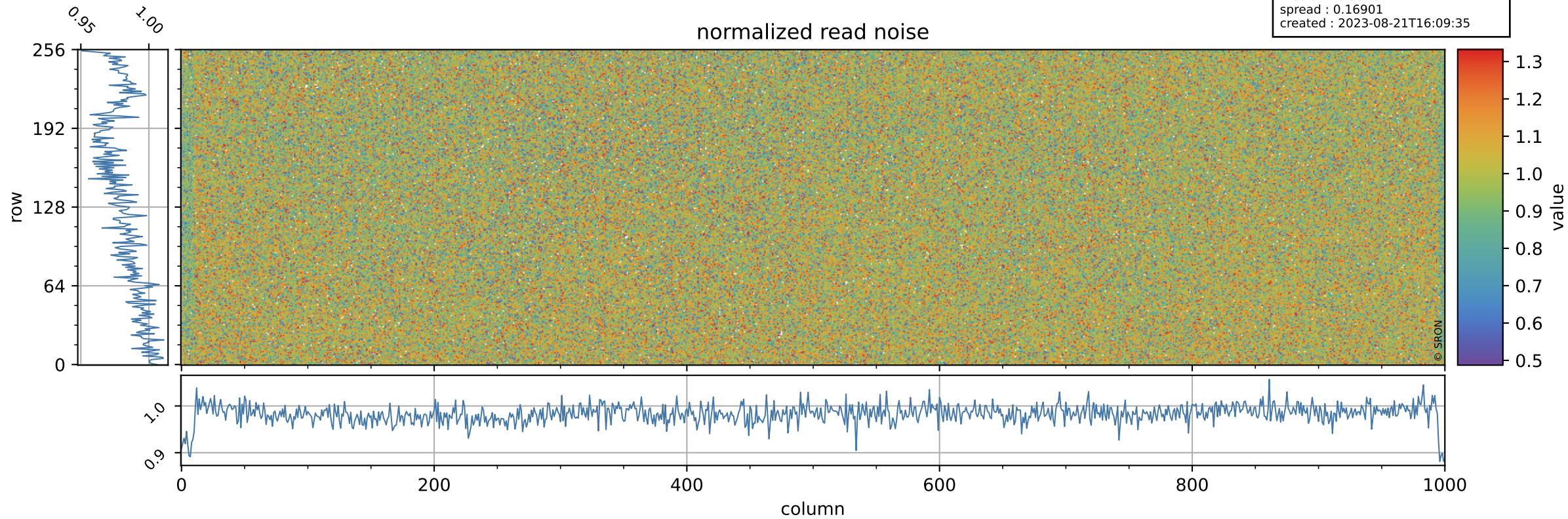
# Tropomi SWIR background noise (swir)

orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
median : 1.1307 e  
spread : 0.064778 e  
created : 2023-08-21T16:09:35



# Tropomi SWIR background noise (swir)

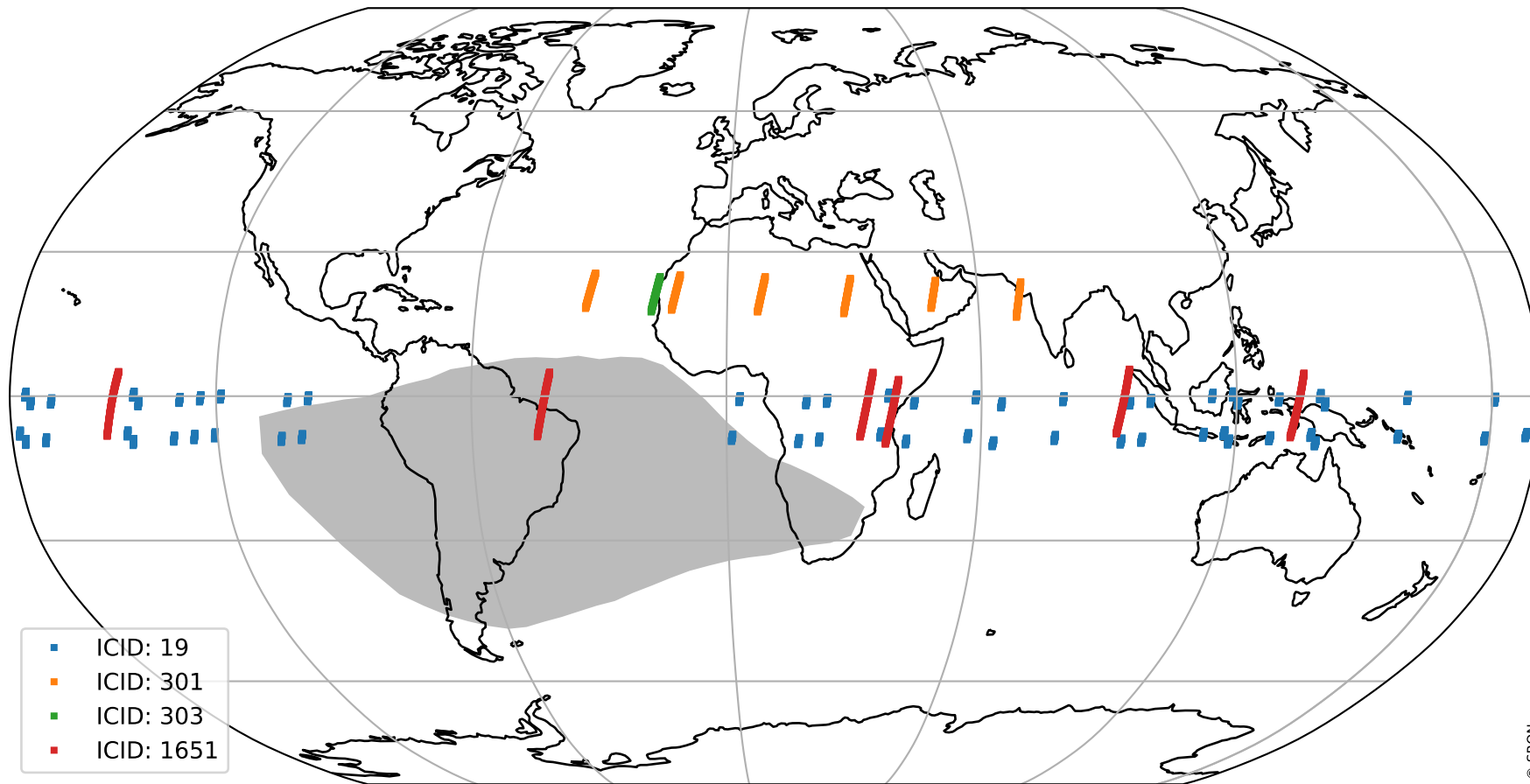
orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
median : 0.98164  
spread : 0.16901  
created : 2023-08-21T16:09:35





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

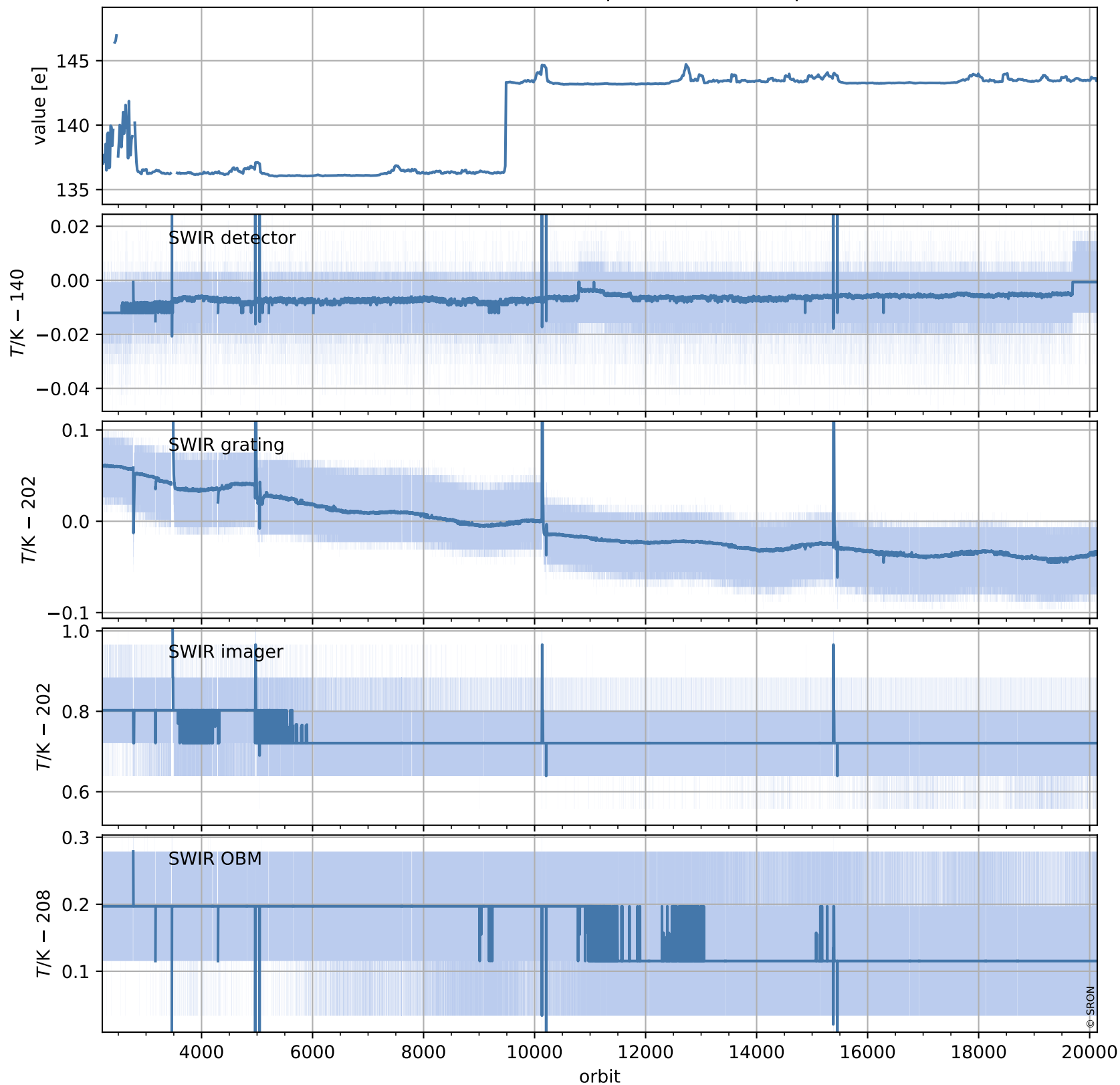
orbits : 13 in [20047, 20137]  
coverage : 2021-08-26 / 2021-09-01  
created : 2023-08-21T16:09:36



# Tropomi SWIR background noise (swir)

orbits : [2212, 20137]  
coverage : 2018-03-18 / 2021-09-01  
created : 2023-08-21T16:09:36

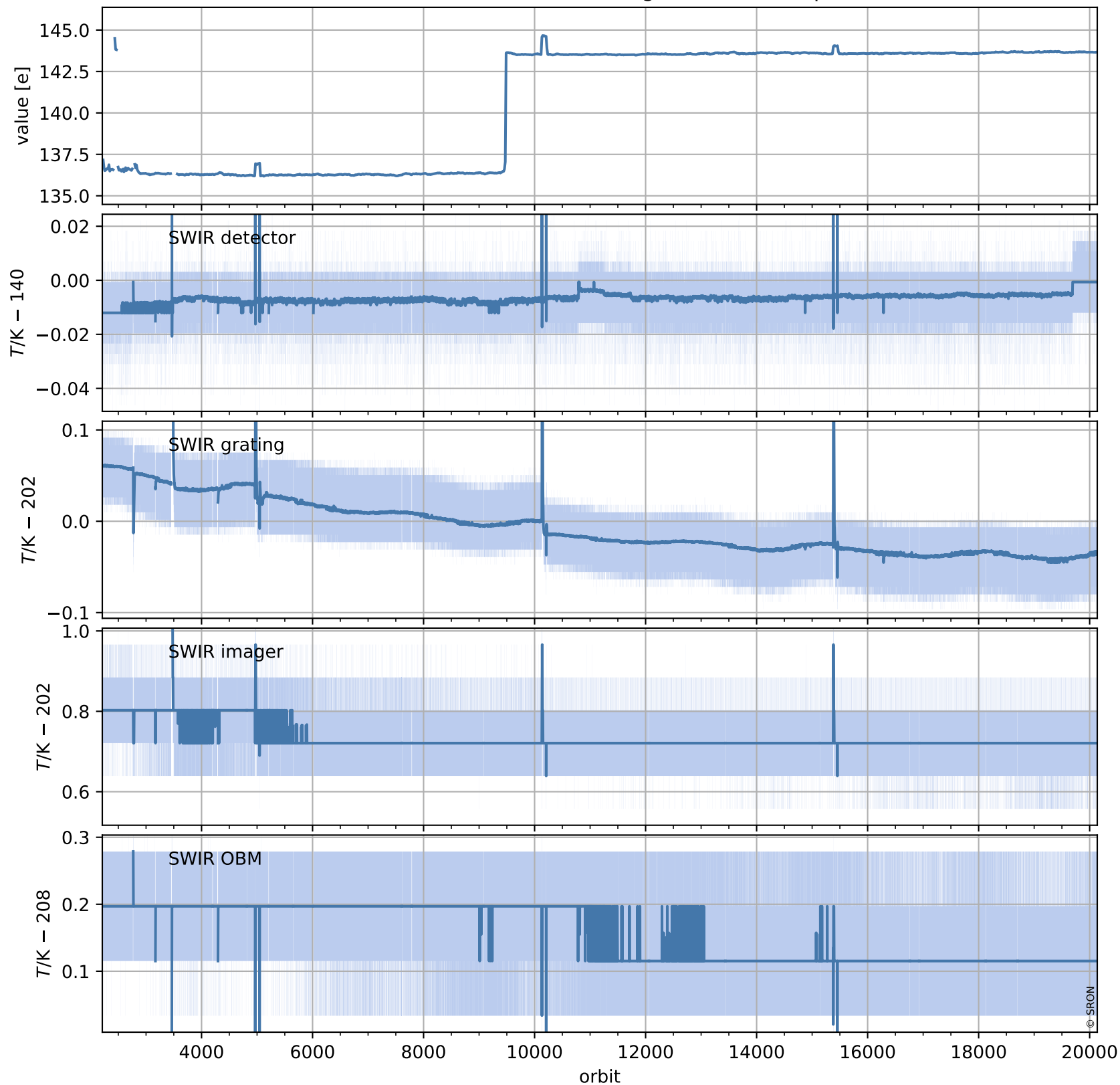
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20137]  
coverage : 2018-03-18 / 2021-09-01  
created : 2023-08-21T16:09:37

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20137]  
coverage : 2018-03-18 / 2021-09-01  
created : 2023-08-21T16:09:38

## trend of normalized read-noise & temperatures

