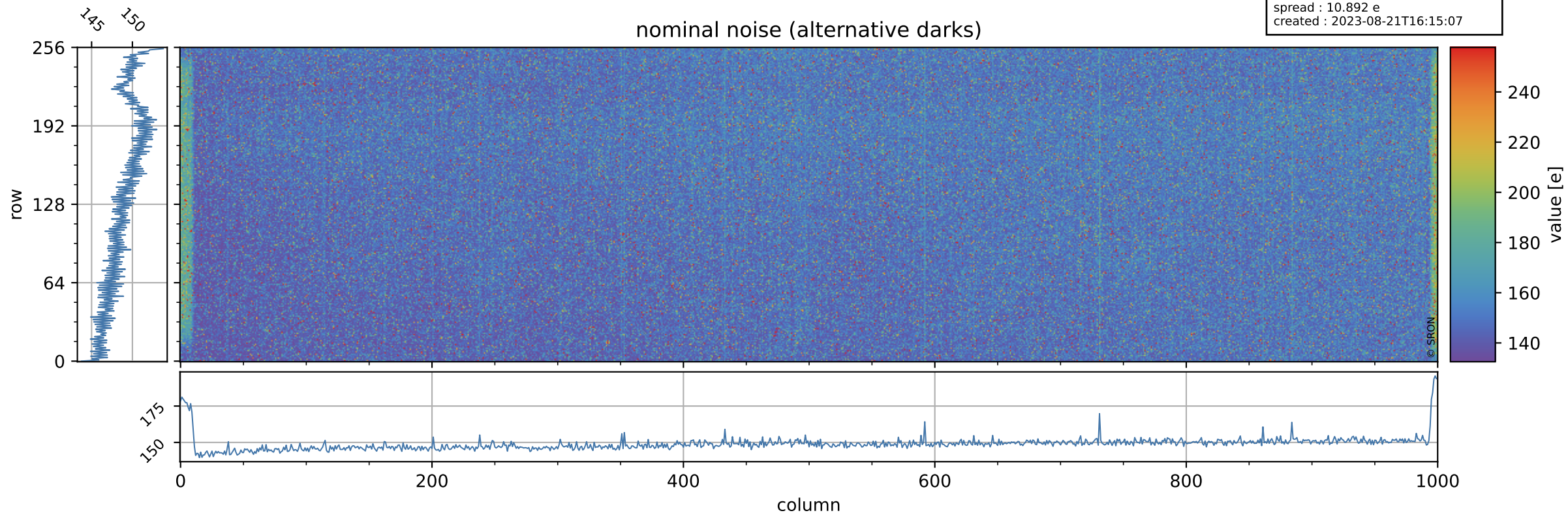


# Tropomi SWIR background noise (swir)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.892 e  
created : 2023-08-21T16:15:07

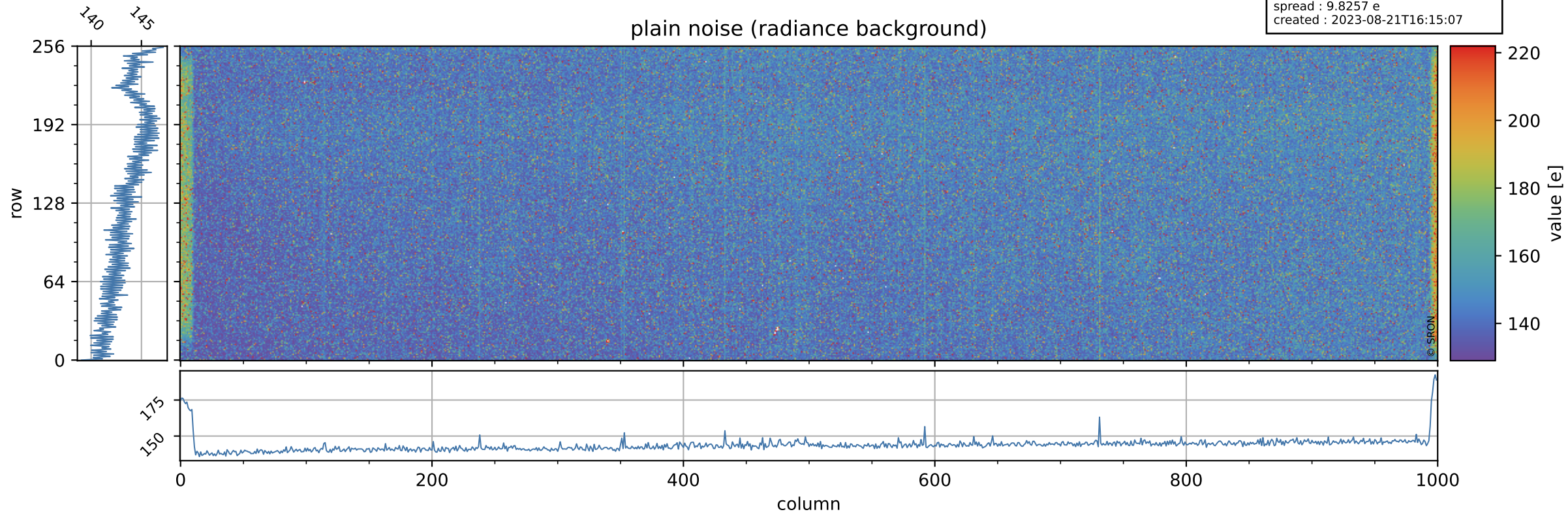
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.47 e  
spread : 9.8257 e  
created : 2023-08-21T16:15:07

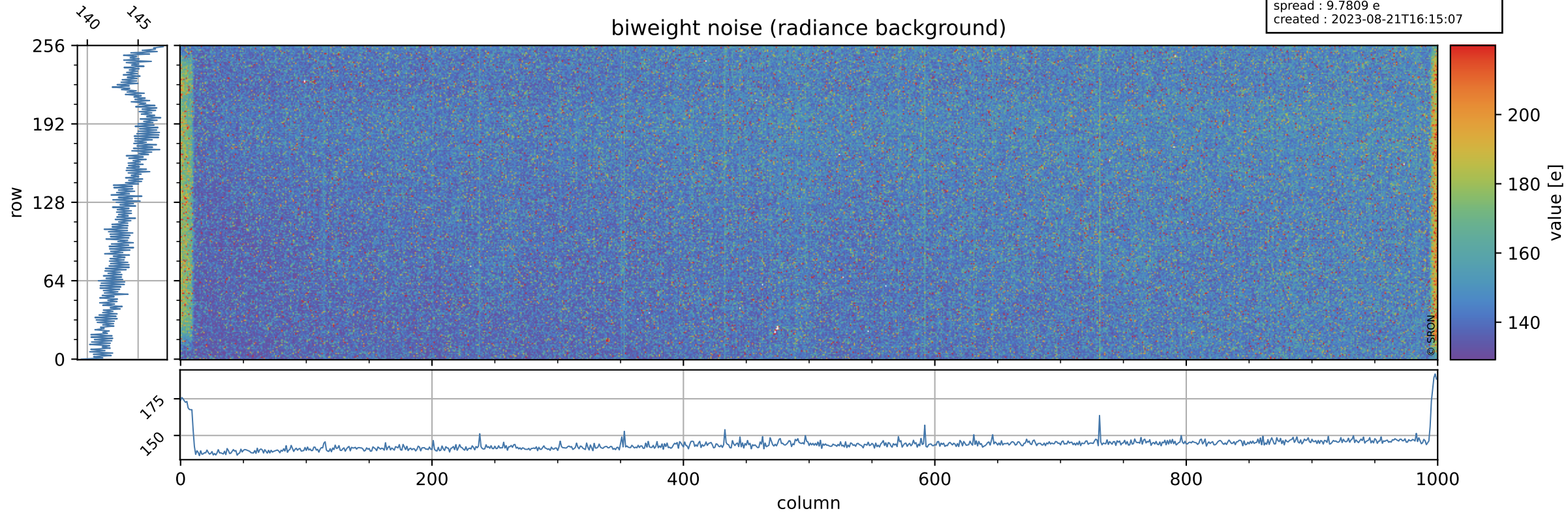
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.7809 e  
created : 2023-08-21T16:15:07

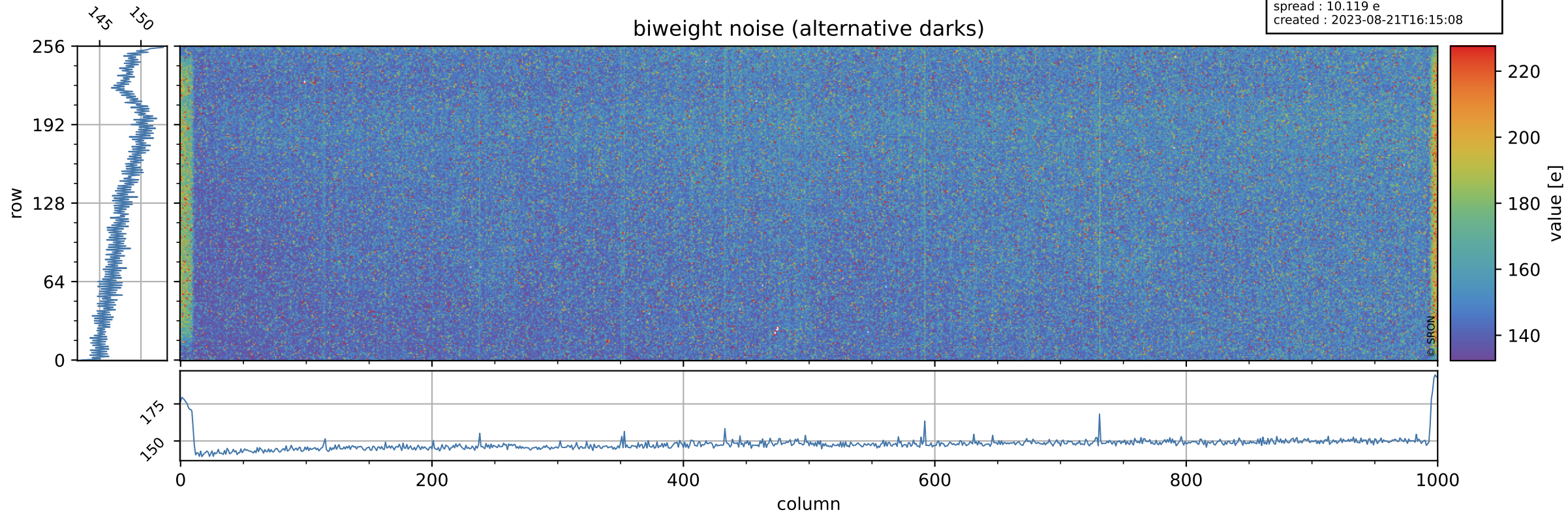
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
n\_coad, t\_exp : 1, 1.0783  
median : 147.77 e  
spread : 10.119 e  
created : 2023-08-21T16:15:08

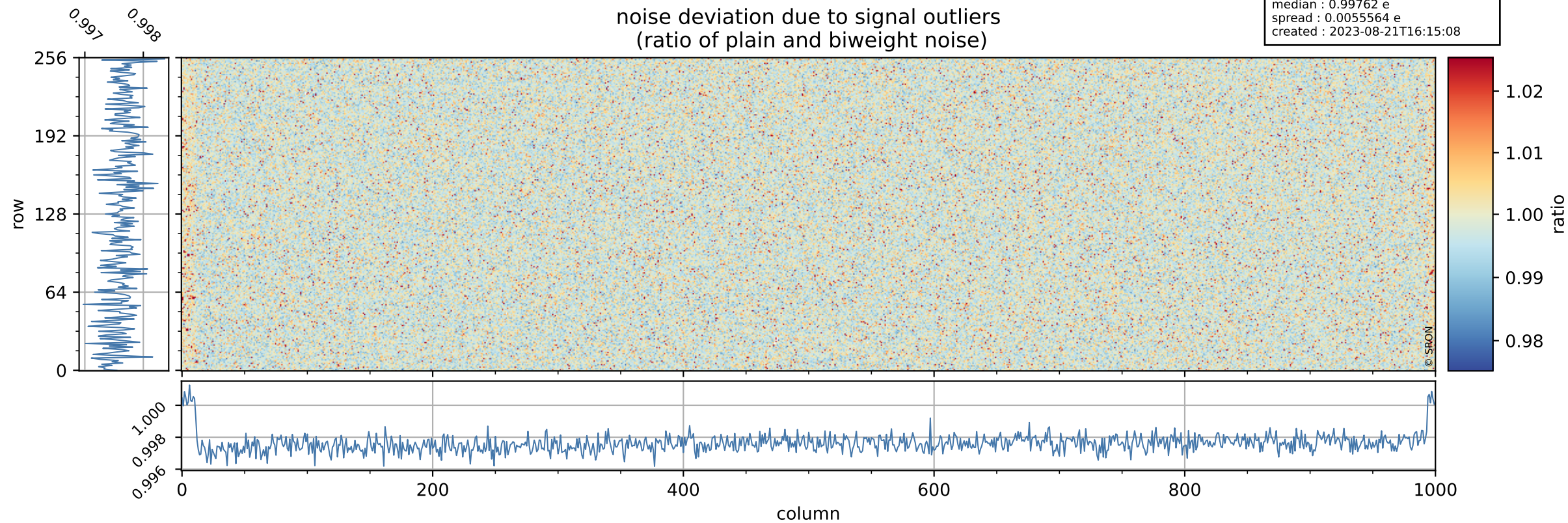
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

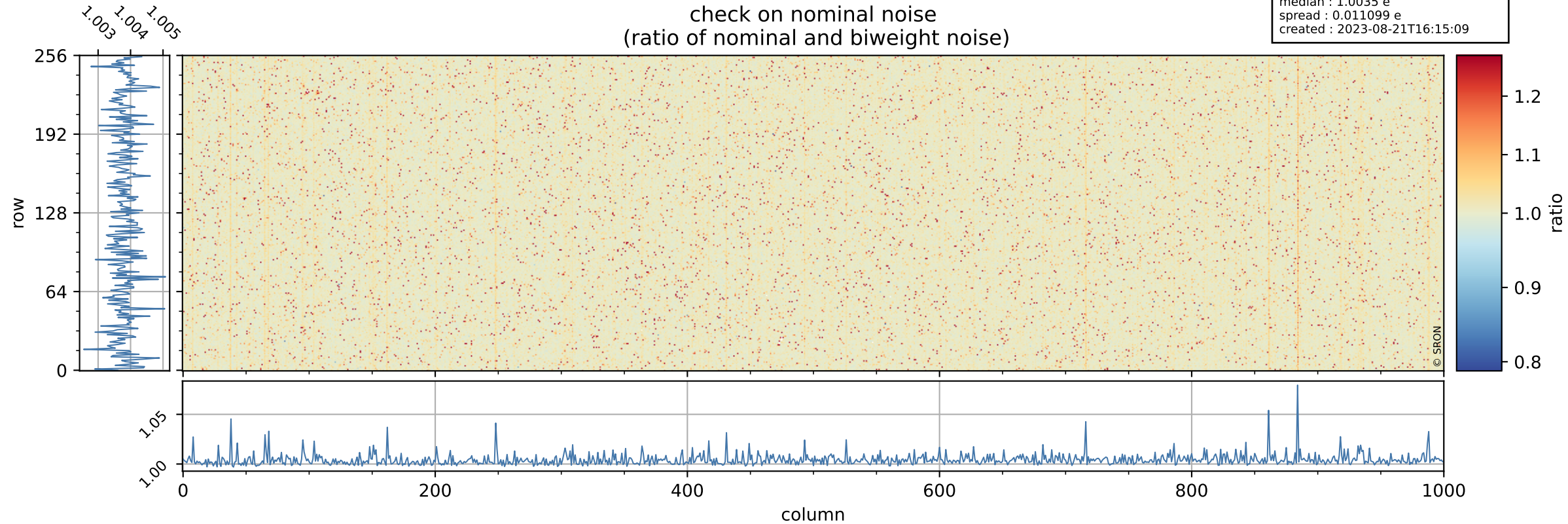
orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
median : 0.99762 e  
spread : 0.0055564 e  
created : 2023-08-21T16:15:08



# Tropomi SWIR background noise (swir)

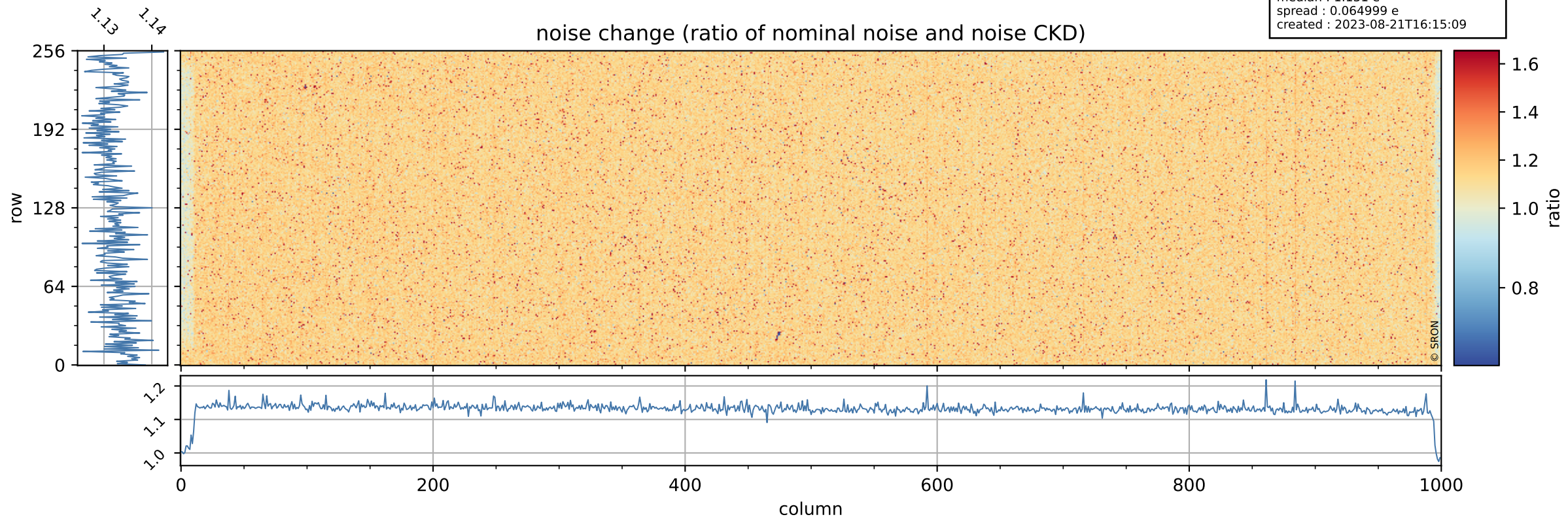
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
median : 1.0035 e  
spread : 0.011099 e  
created : 2023-08-21T16:15:09



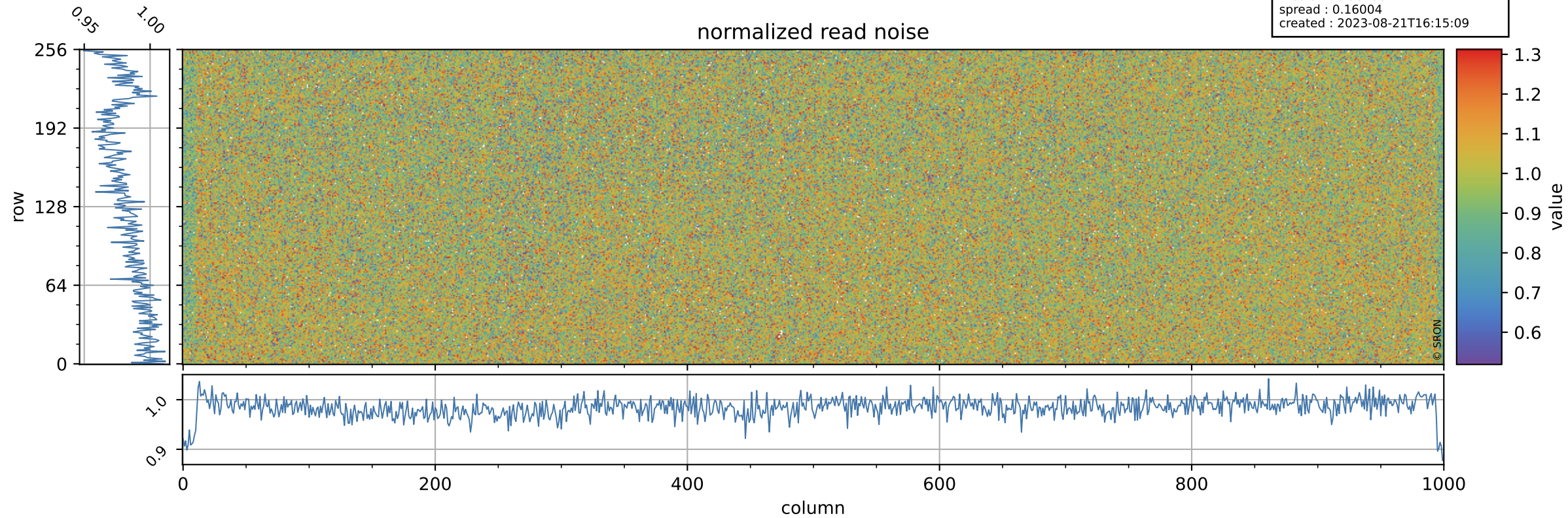
# Tropomi SWIR background noise (swir)

orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
median : 1.131 e  
spread : 0.064999 e  
created : 2023-08-21T16:15:09



# Tropomi SWIR background noise (swir)

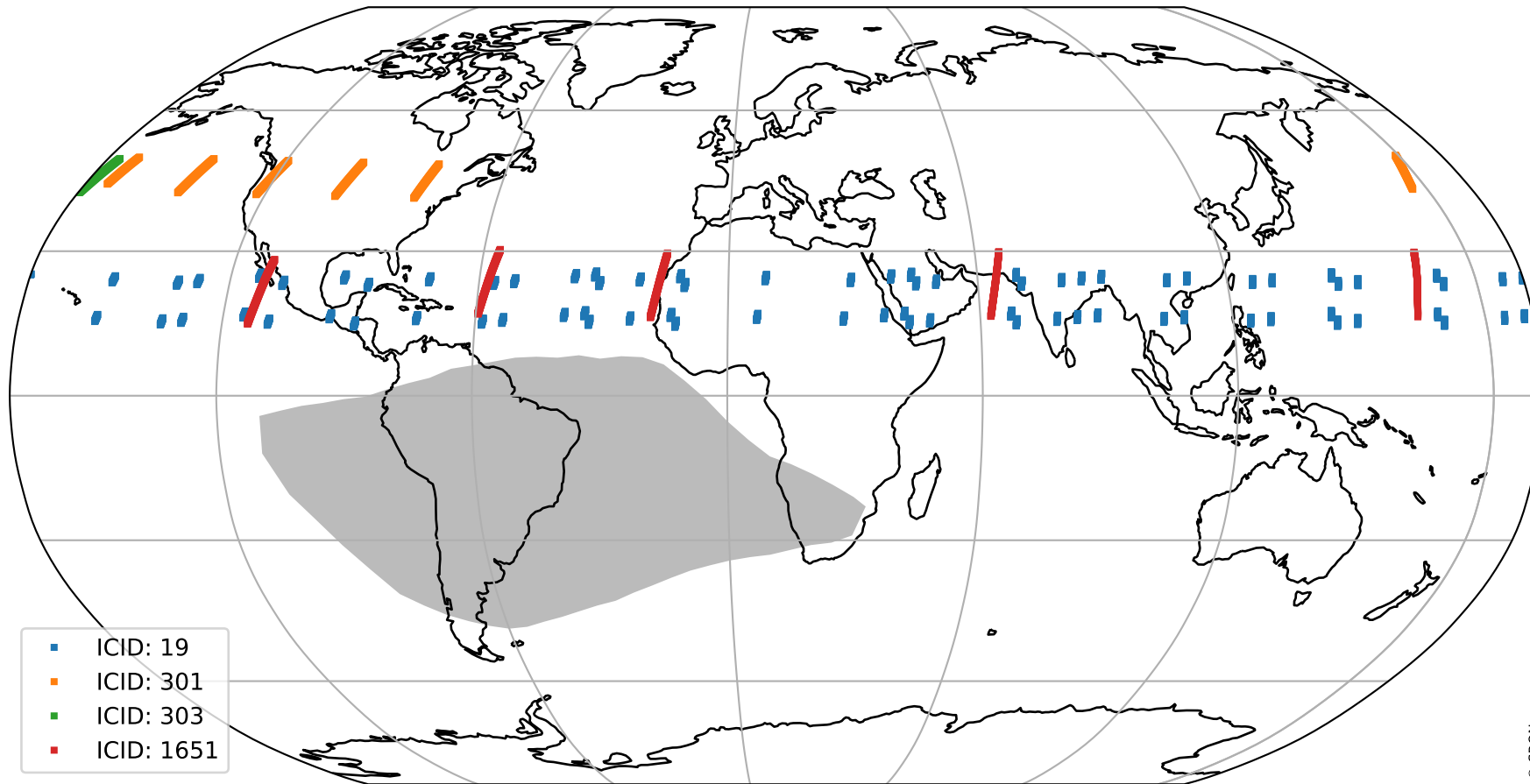
orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
median : 0.98238  
spread : 0.16004  
created : 2023-08-21T16:15:09





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

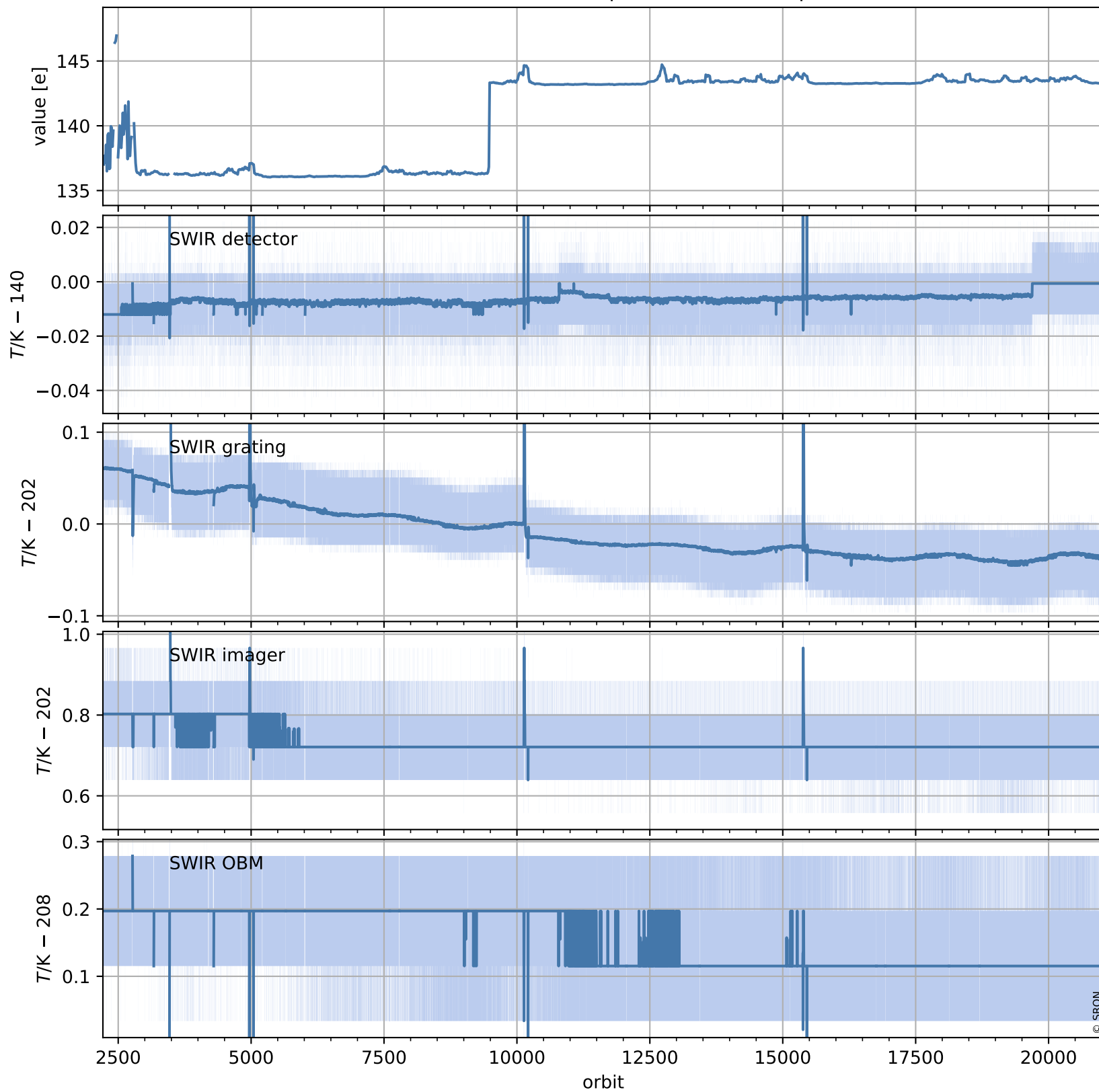
orbits : 12 in [20947, 21037]  
coverage : 2021-10-29 / 2021-11-04  
created : 2023-08-21T16:15:09



# Tropomi SWIR background noise (swir)

orbits : [2212, 21037]  
coverage : 2018-03-18 / 2021-11-04  
created : 2023-08-21T16:15:10

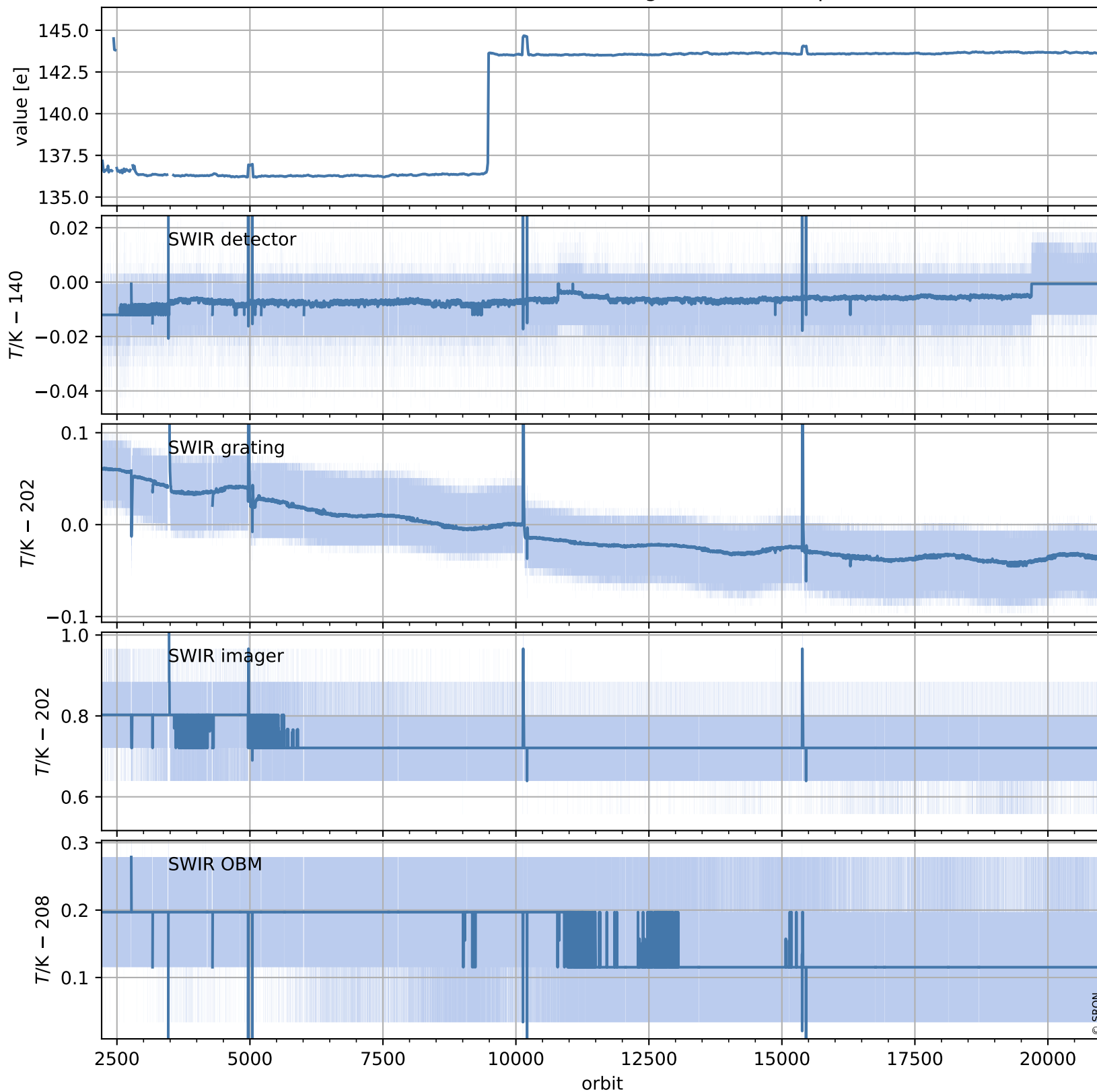
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21037]  
coverage : 2018-03-18 / 2021-11-04  
created : 2023-08-21T16:15:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21037]  
coverage : 2018-03-18 / 2021-11-04  
created : 2023-08-21T16:15:11

## trend of normalized read-noise & temperatures

