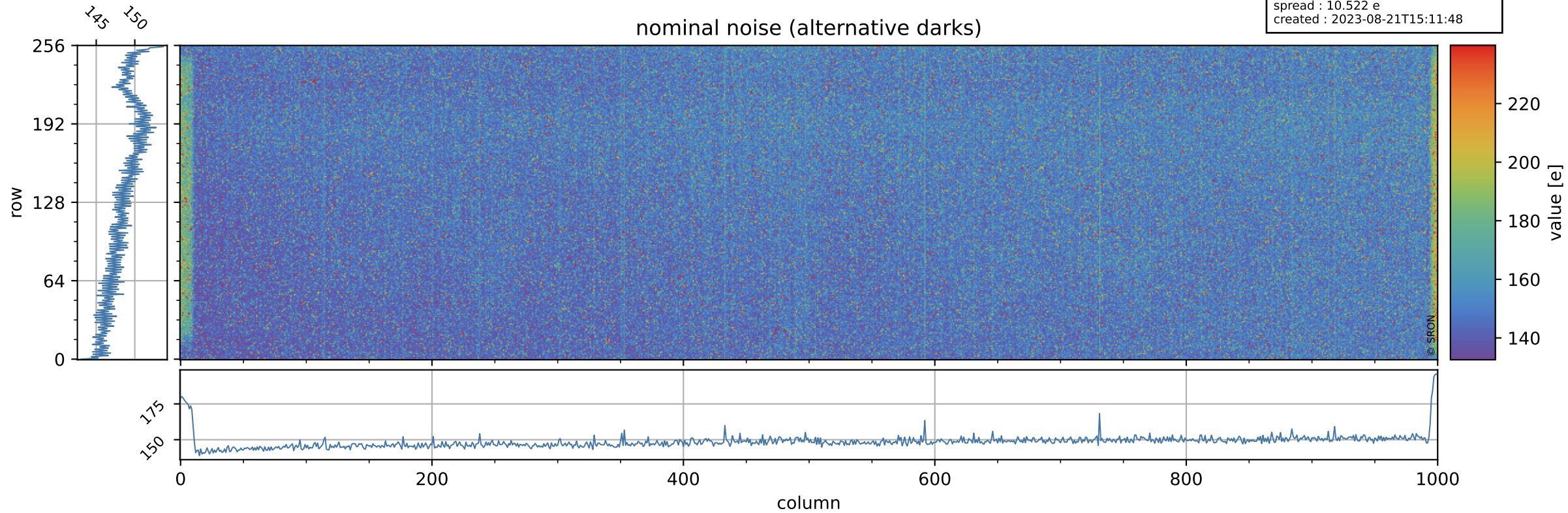


# Tropomi SWIR background noise (swir)

orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.43 e  
spread : 10.522 e  
created : 2023-08-21T15:11:48

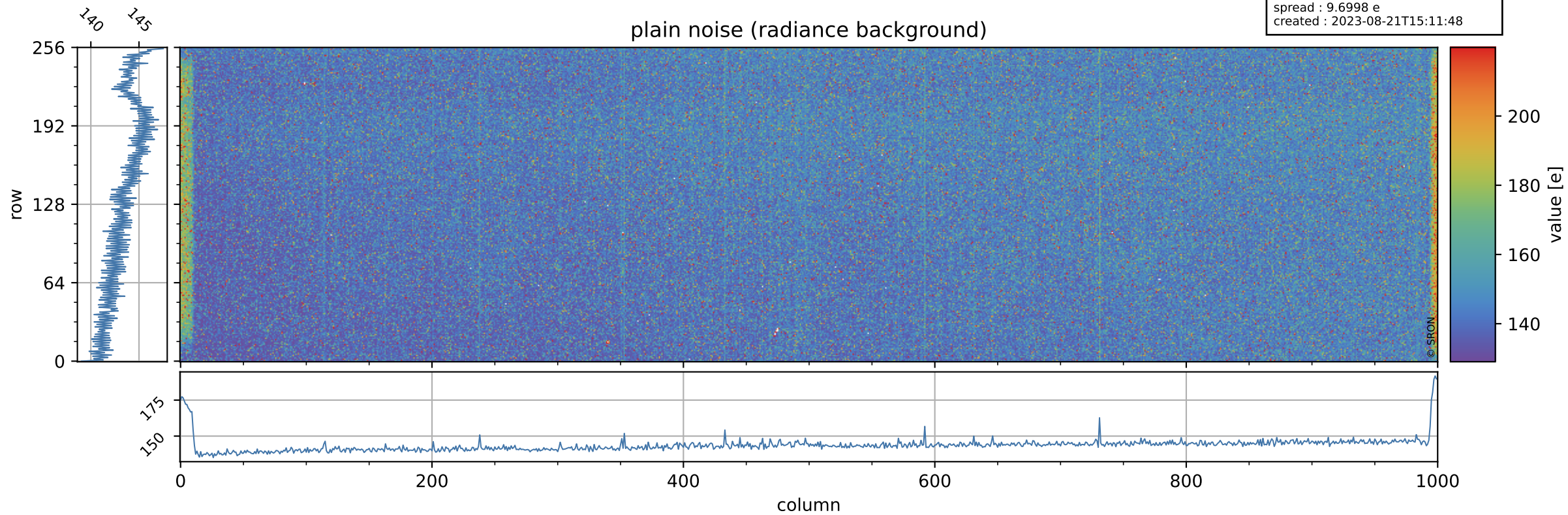
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.37 e  
spread : 9.6998 e  
created : 2023-08-21T15:11:48

plain noise (radiance background)

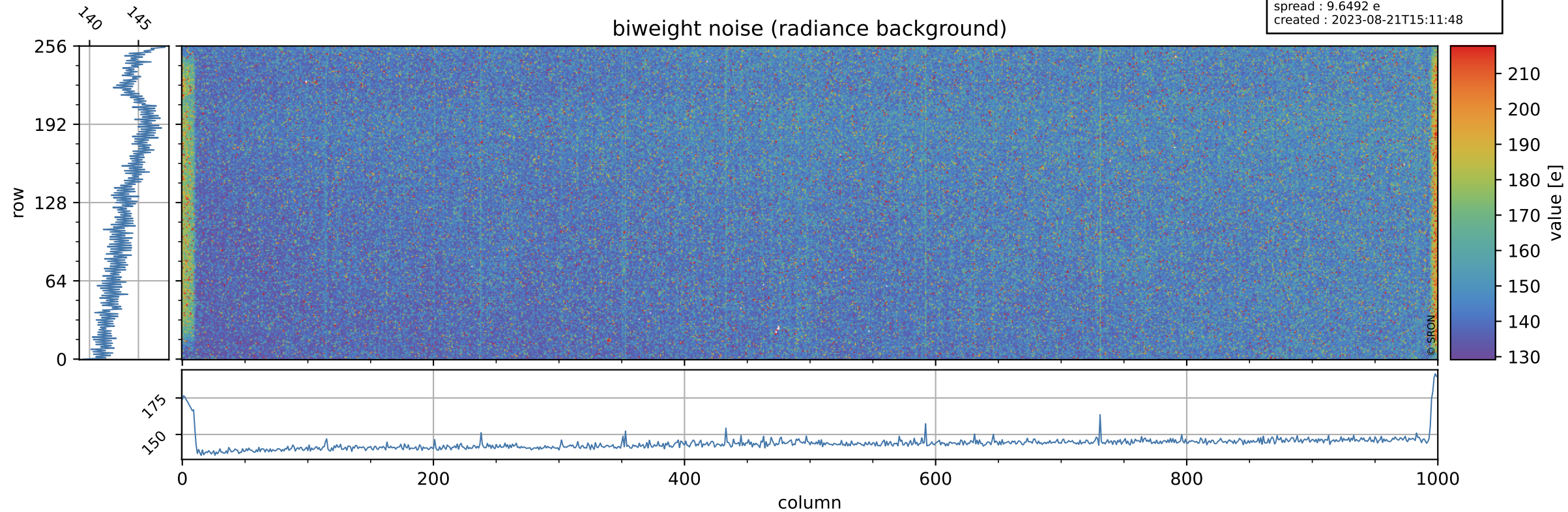




# Tropomi SWIR background noise (swir)

orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.6492 e  
created : 2023-08-21T15:11:48

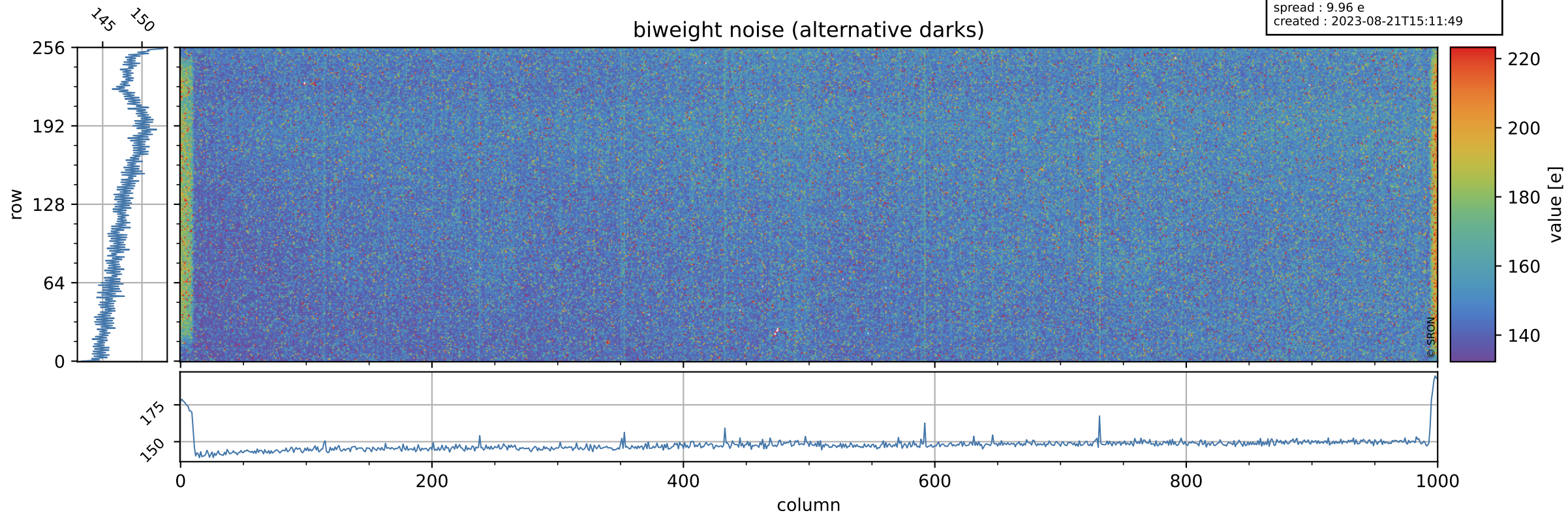
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 9.96 e  
created : 2023-08-21T15:11:49

## biweight noise (alternative darks)

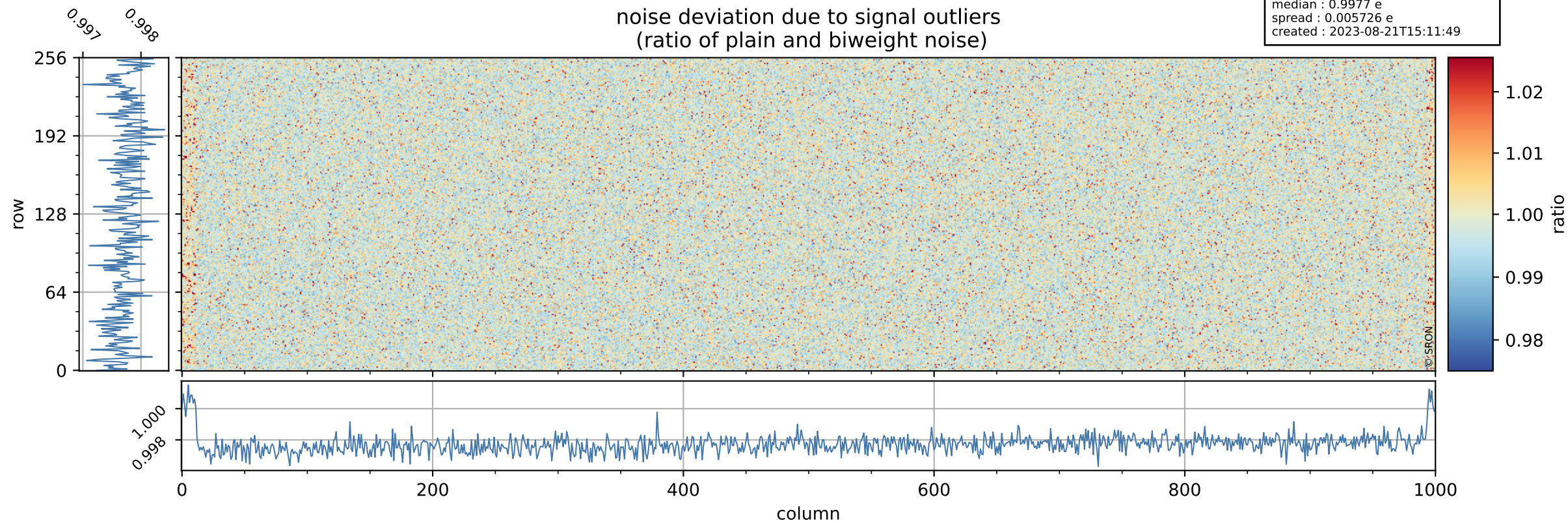




# Tropomi SWIR background noise (swir)

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

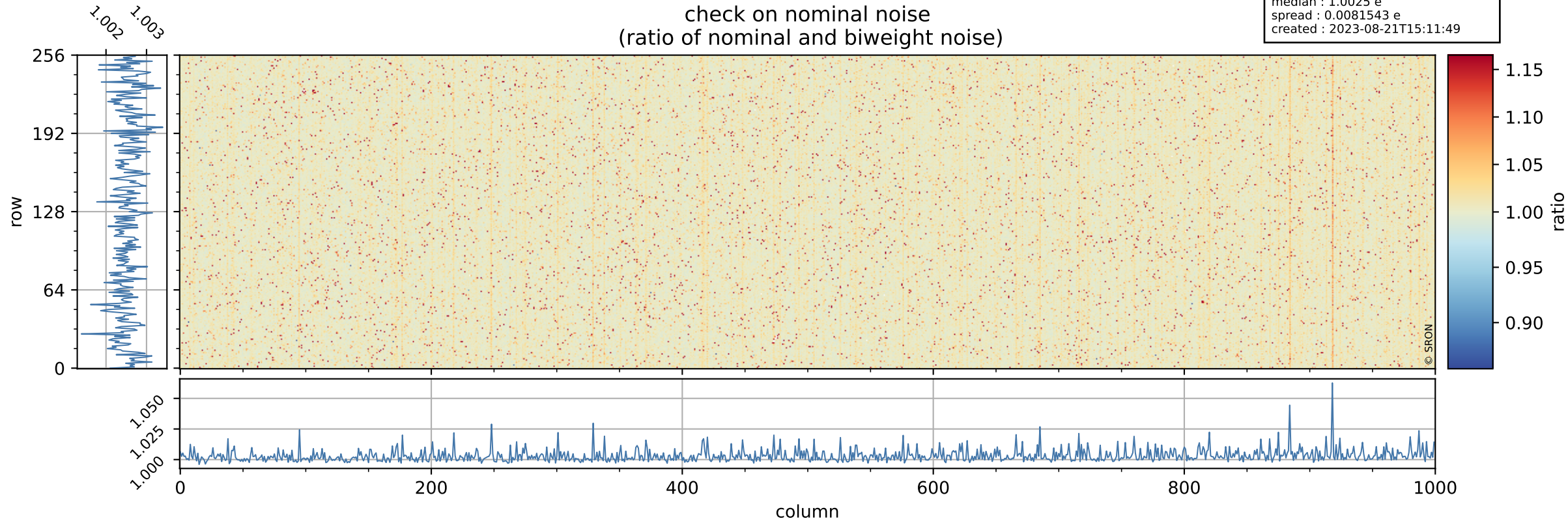
orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
median : 0.9977 e  
spread : 0.005726 e  
created : 2023-08-21T15:11:49



# Tropomi SWIR background noise (swir)

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

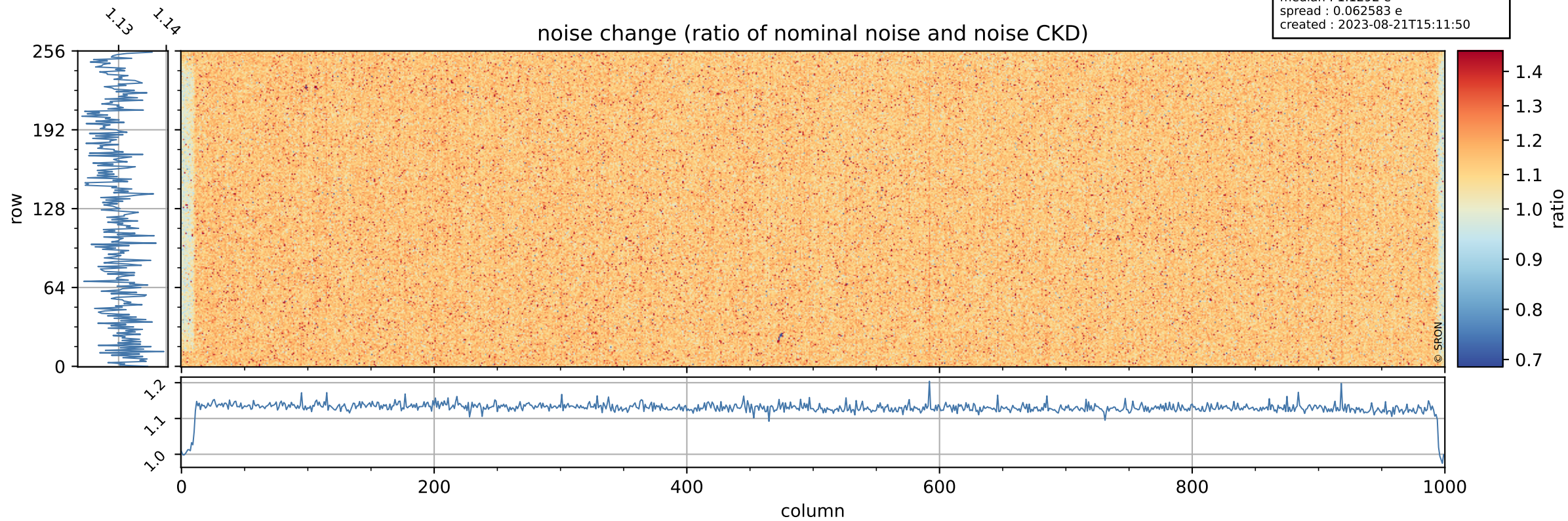
orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
median : 1.0025 e  
spread : 0.0081543 e  
created : 2023-08-21T15:11:49





# Tropomi SWIR background noise (swir)

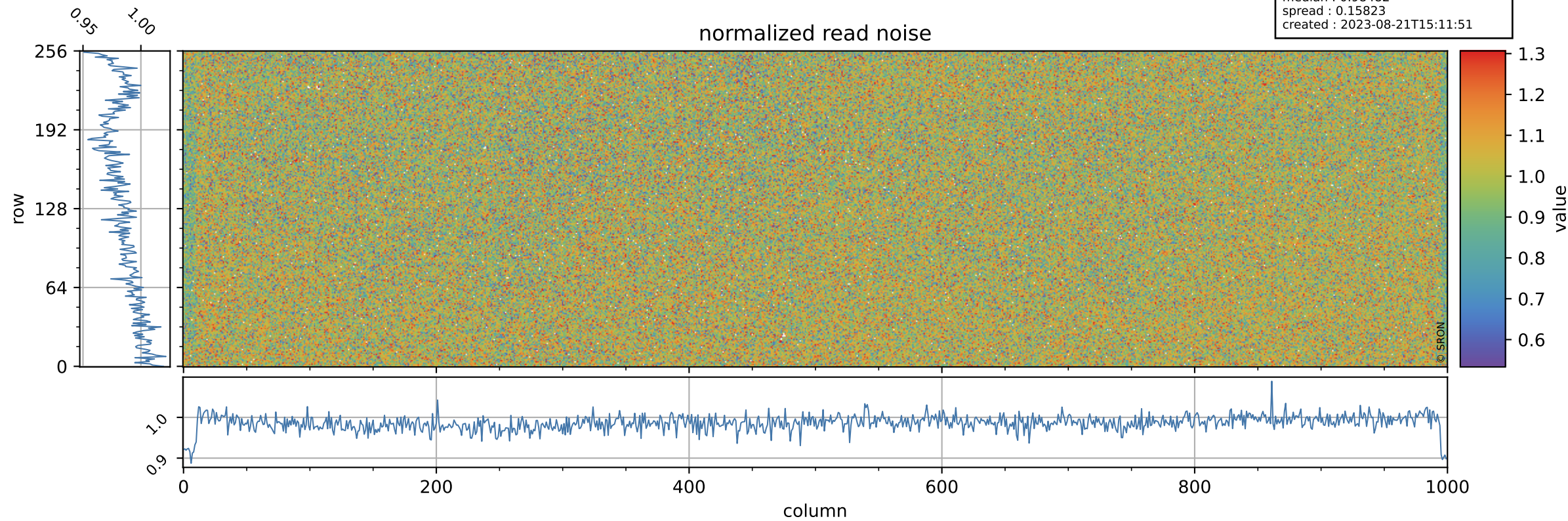
orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
median : 1.1292 e  
spread : 0.062583 e  
created : 2023-08-21T15:11:50





# Tropomi SWIR background noise (swir)

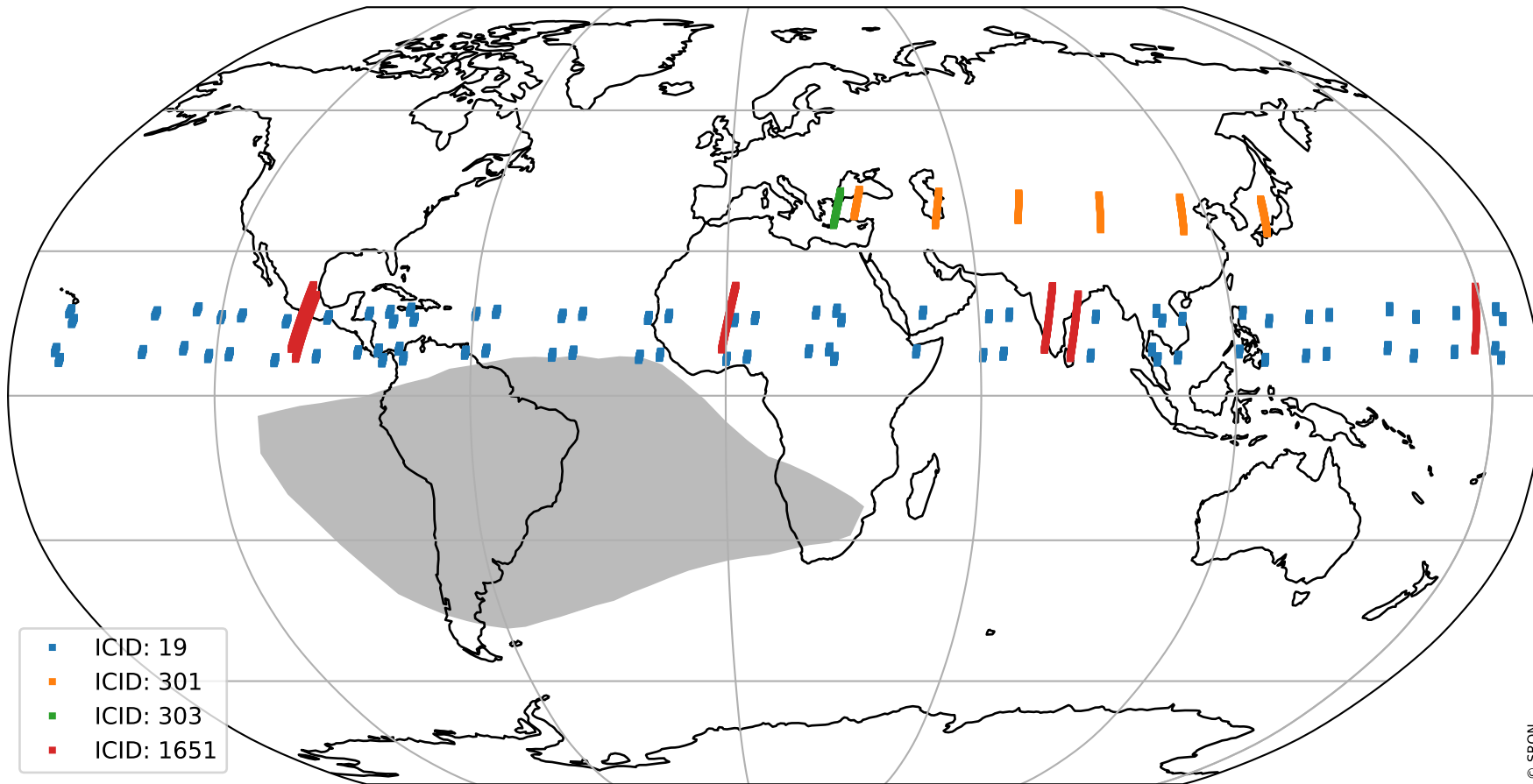
orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
median : 0.98482  
spread : 0.15823  
created : 2023-08-21T15:11:51





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

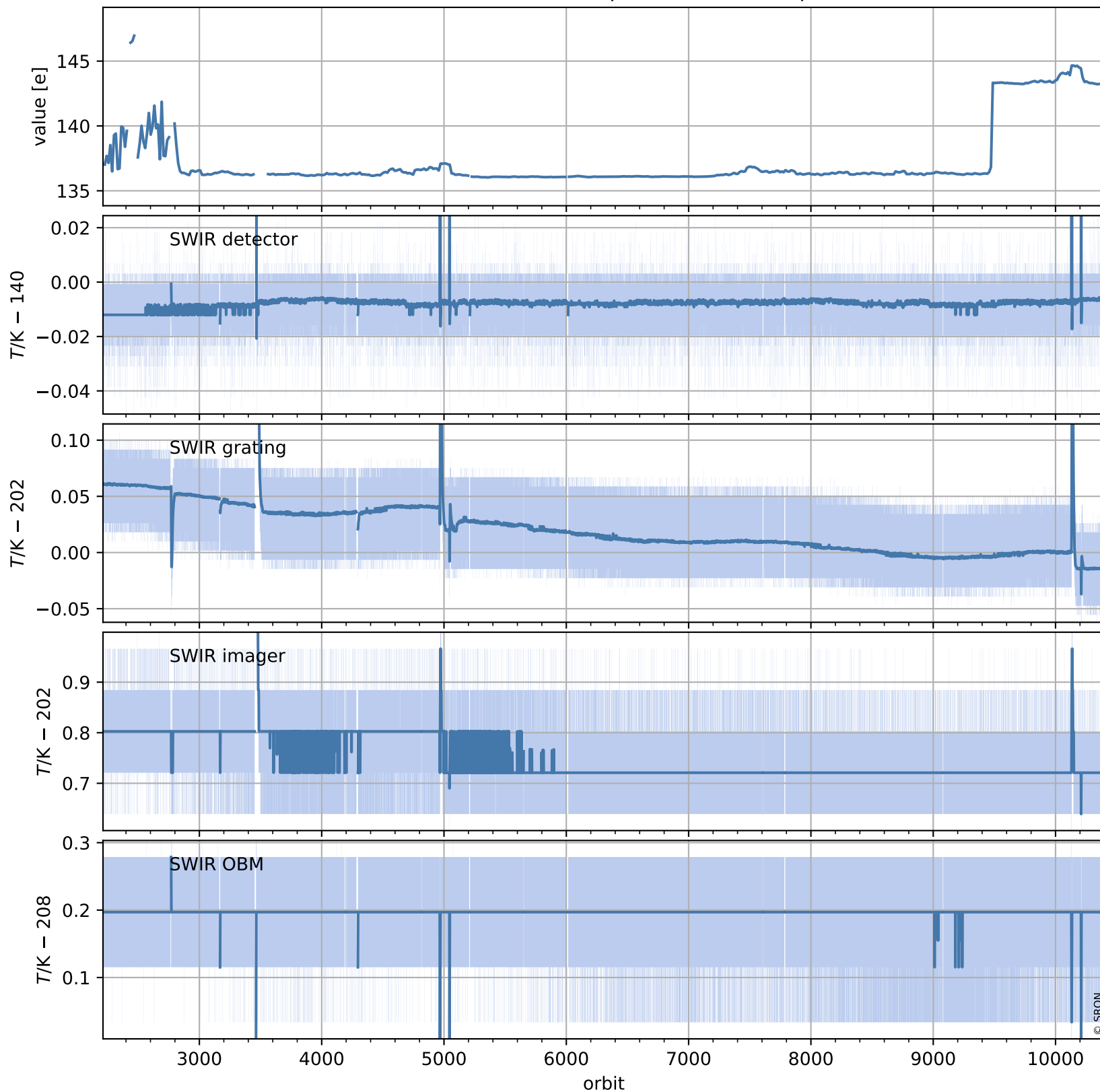
orbits : 13 in [10312, 10402]  
coverage : 2019-10-10 / 2019-10-16  
created : 2023-08-21T15:11:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 10402]  
coverage : 2018-03-18 / 2019-10-16  
created : 2023-08-21T15:11:51

## trend of detector median of plain noise & temperatures

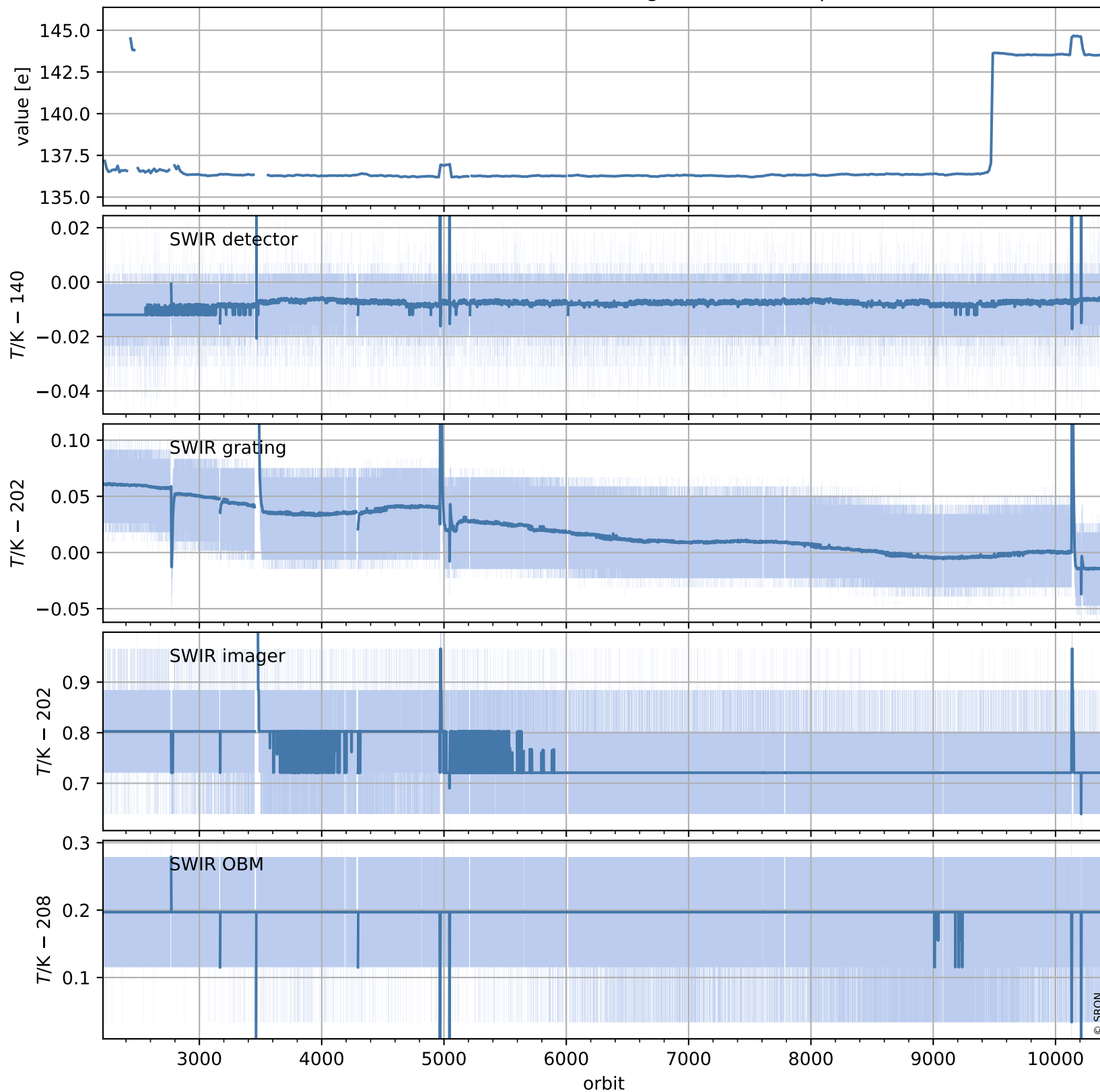




# Tropomi SWIR background noise (swir)

orbits : [2212, 10402]  
coverage : 2018-03-18 / 2019-10-16  
created : 2023-08-21T15:11:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10402]  
coverage : 2018-03-18 / 2019-10-16  
created : 2023-08-21T15:11:53

## trend of normalized read-noise & temperatures

