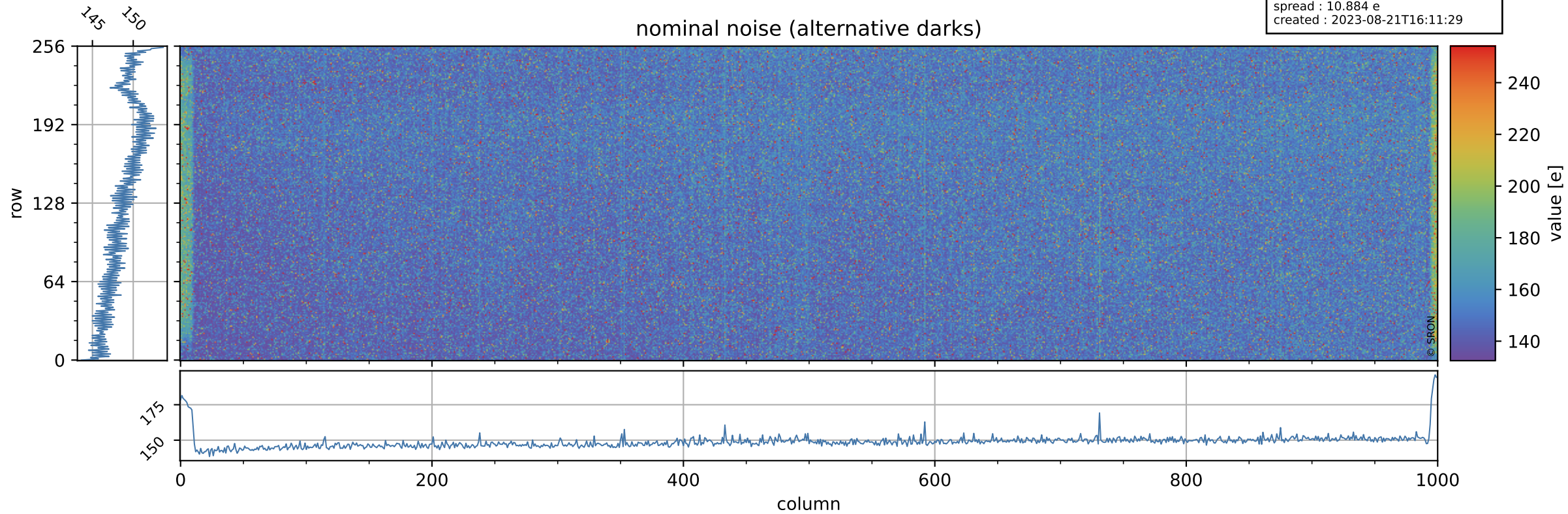


# Tropomi SWIR background noise (swir)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.68 e  
spread : 10.884 e  
created : 2023-08-21T16:11:29

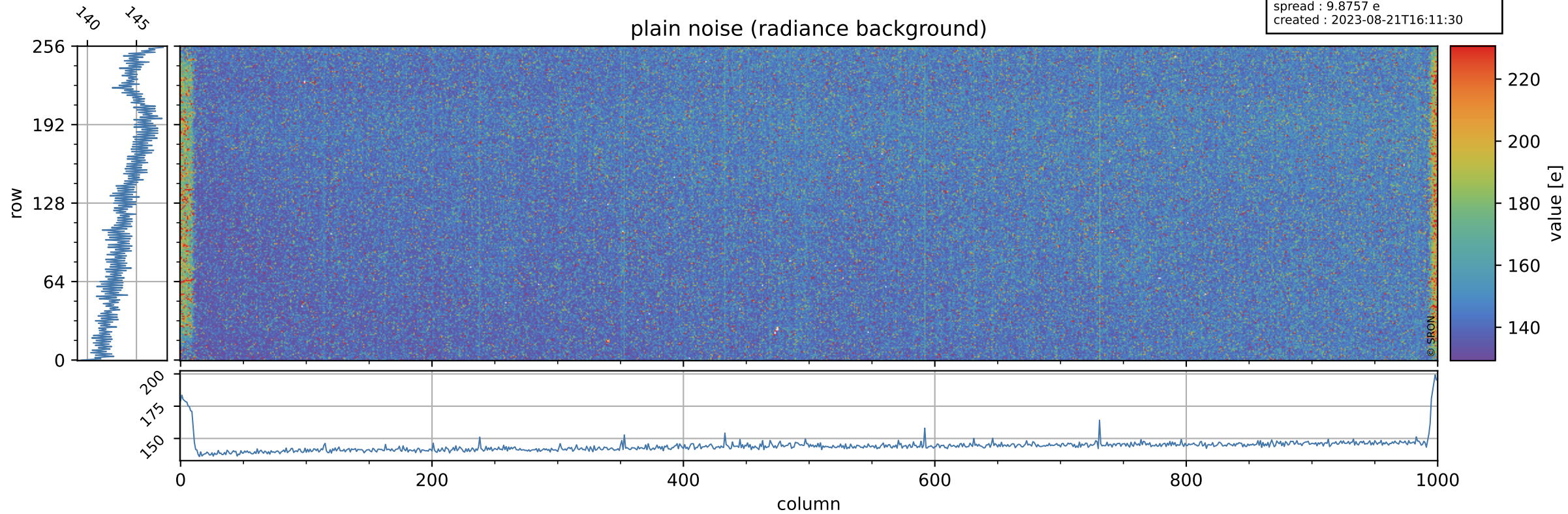
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.87 e  
spread : 9.8757 e  
created : 2023-08-21T16:11:30

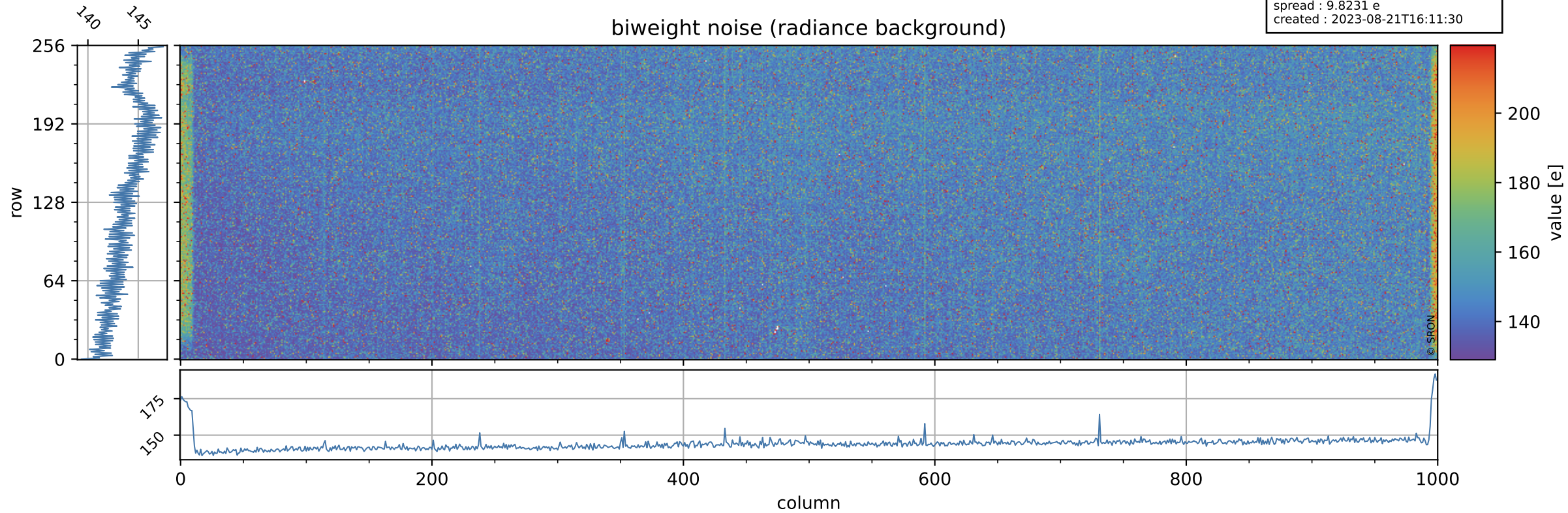
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.8231 e  
created : 2023-08-21T16:11:30

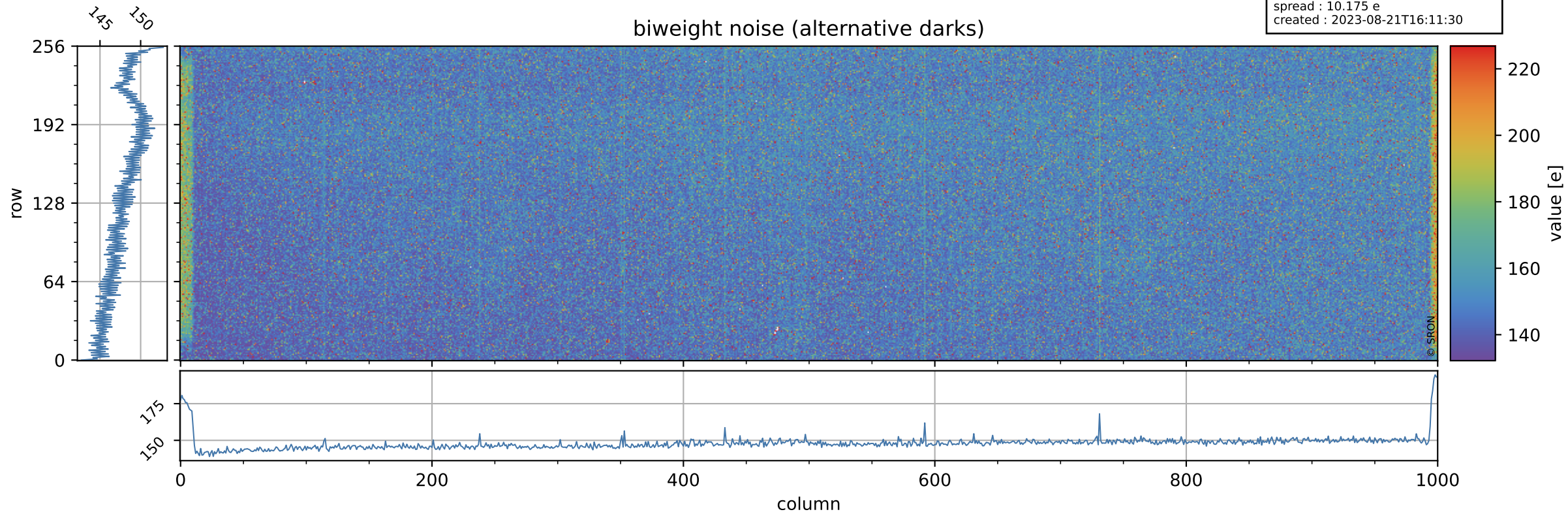
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.175 e  
created : 2023-08-21T16:11:30

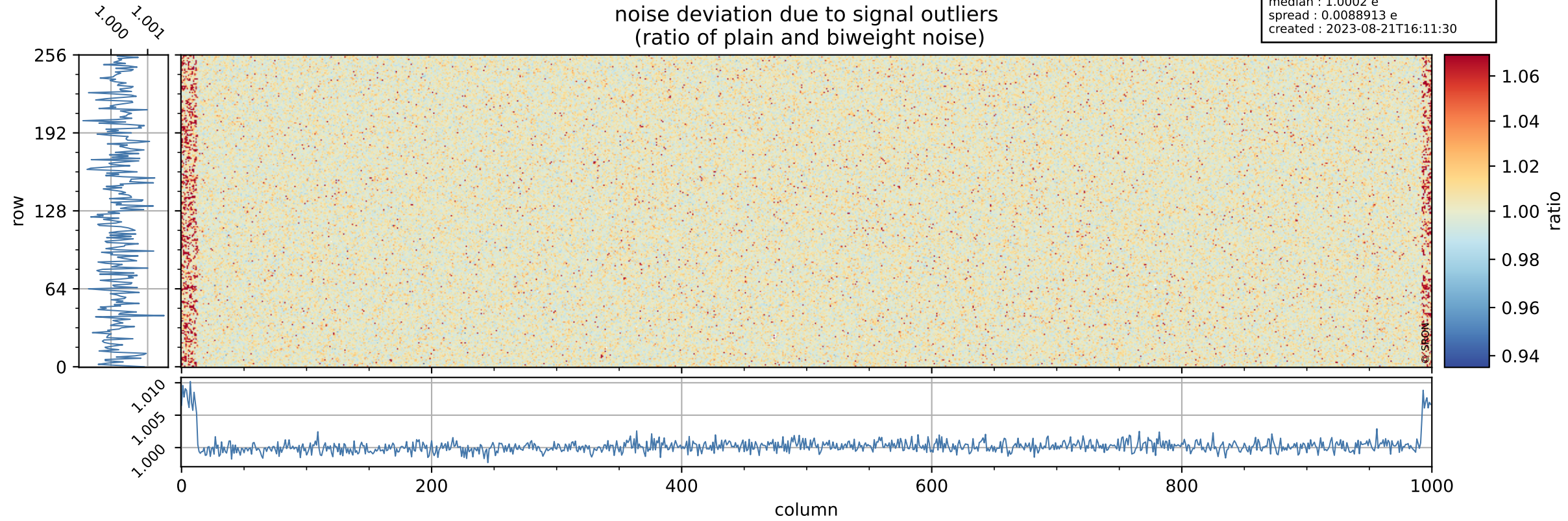
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

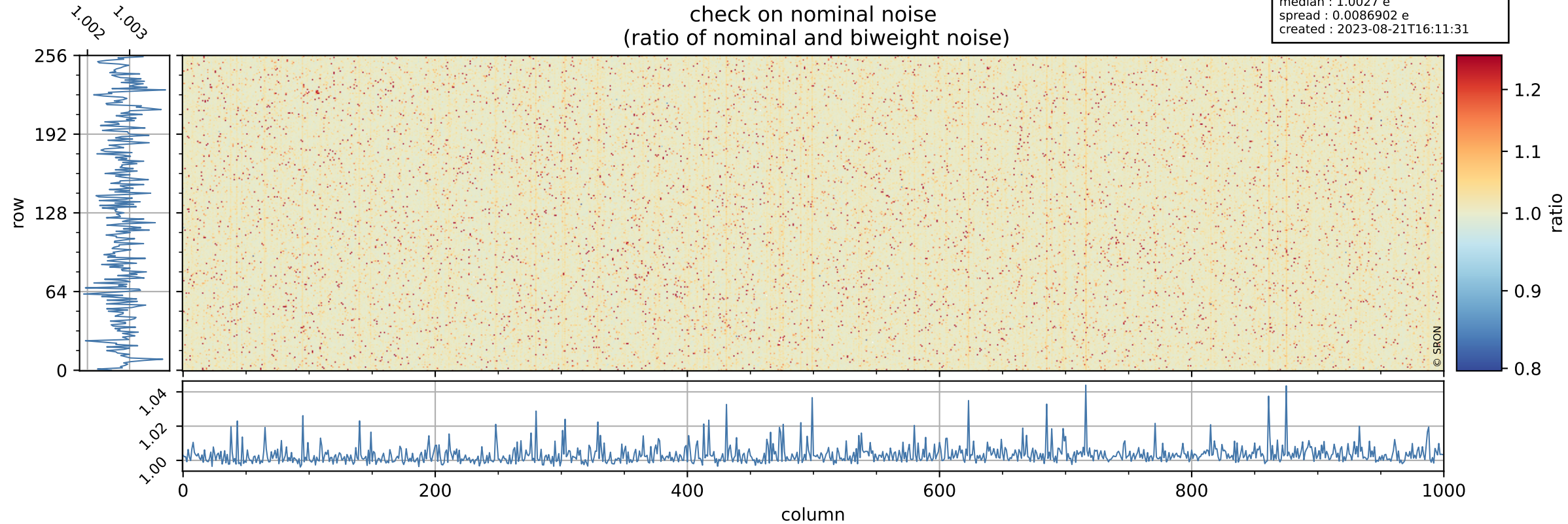
orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
median : 1.0002 e  
spread : 0.0088913 e  
created : 2023-08-21T16:11:30



# Tropomi SWIR background noise (swir)

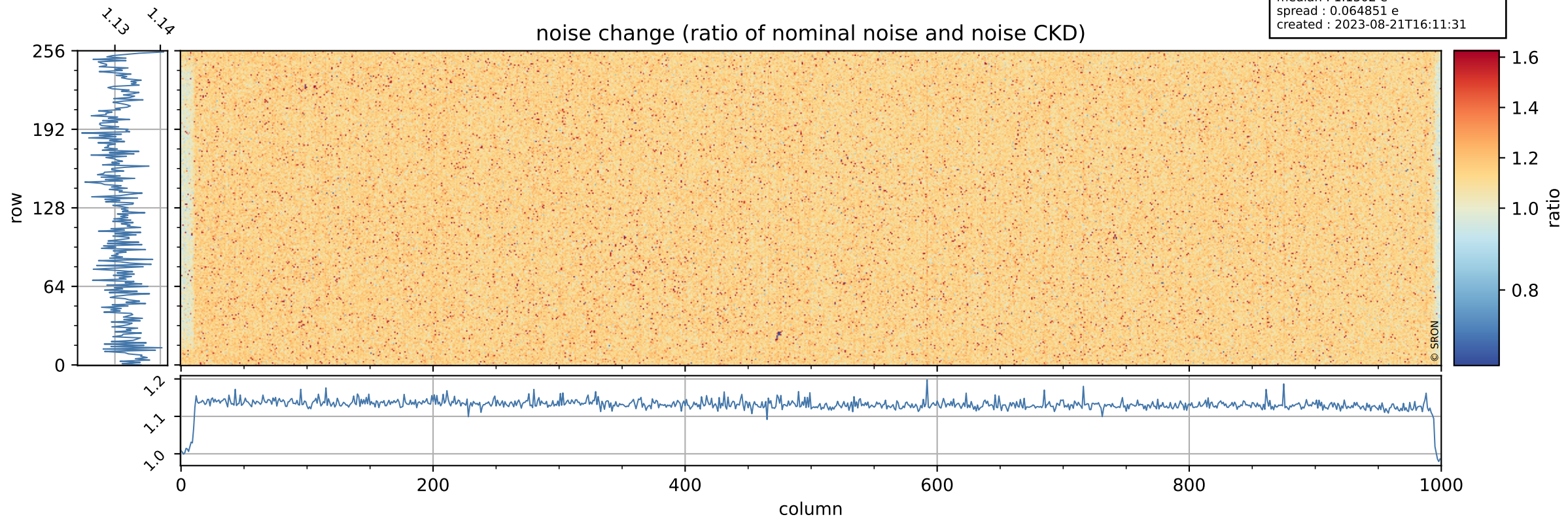
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
median : 1.0027 e  
spread : 0.0086902 e  
created : 2023-08-21T16:11:31



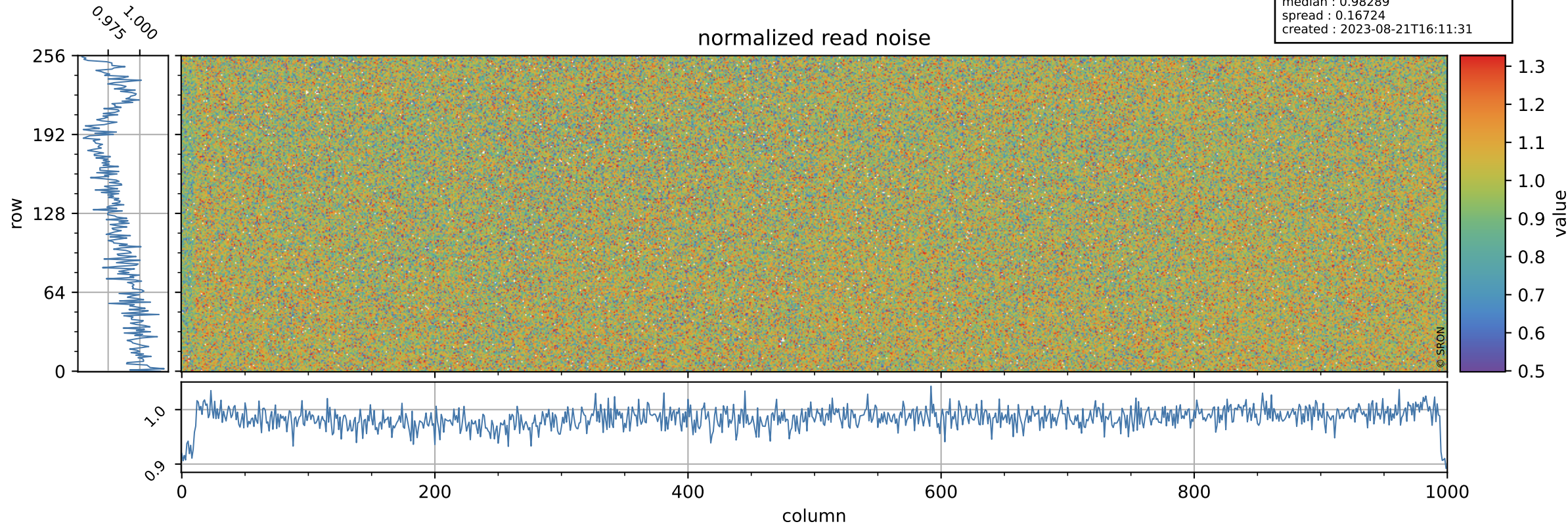
# Tropomi SWIR background noise (swir)

orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
median : 1.1302 e  
spread : 0.064851 e  
created : 2023-08-21T16:11:31



# Tropomi SWIR background noise (swir)

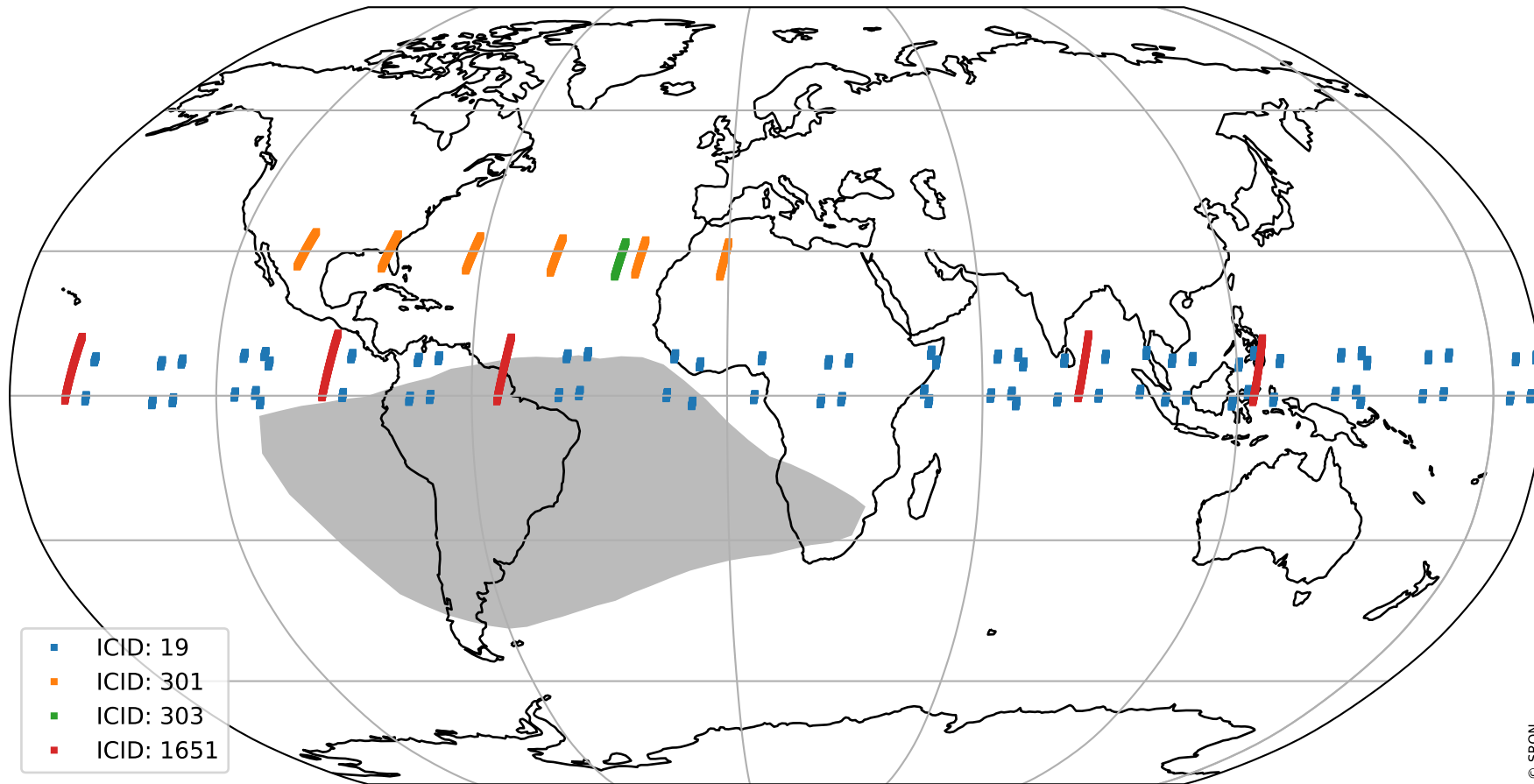
orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
median : 0.98289  
spread : 0.16724  
created : 2023-08-21T16:11:31





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

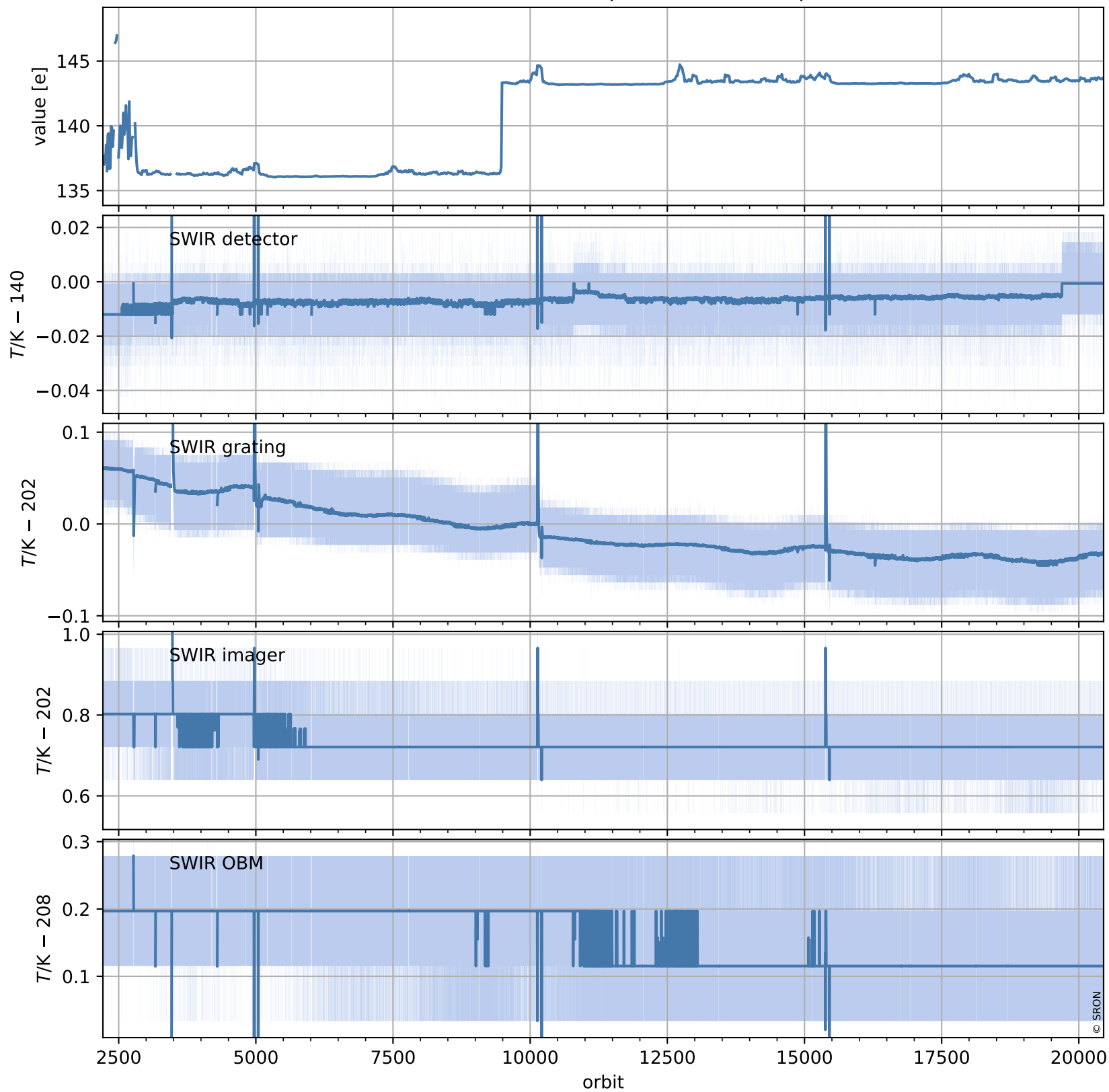
orbits : 12 in [20377, 20452]  
coverage : 2021-09-18 / 2021-09-23  
created : 2023-08-21T16:11:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 20452]  
coverage : 2018-03-18 / 2021-09-23  
created : 2023-08-21T16:11:32

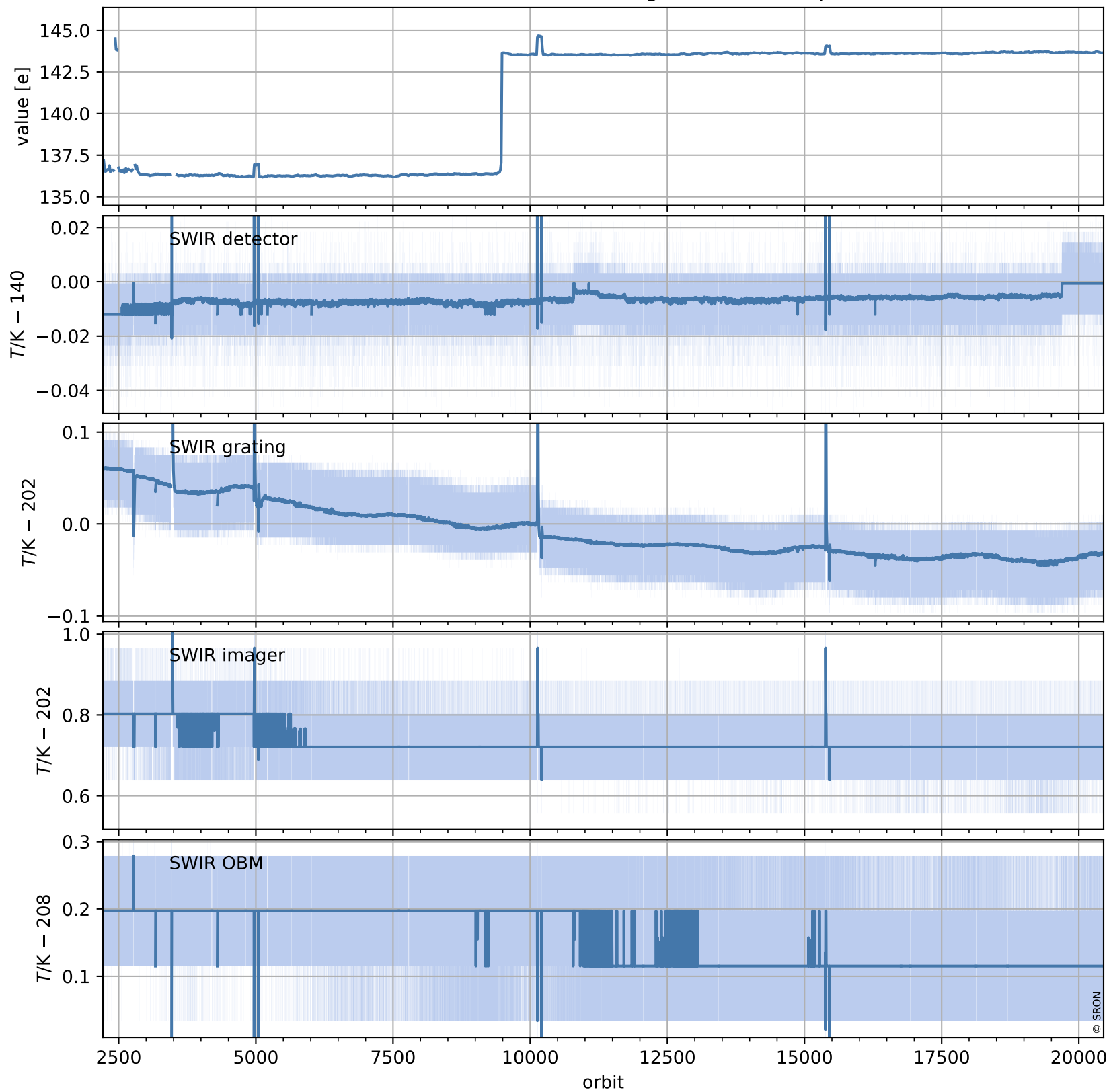
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20452]  
coverage : 2018-03-18 / 2021-09-23  
created : 2023-08-21T16:11:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20452]  
coverage : 2018-03-18 / 2021-09-23  
created : 2023-08-21T16:11:34

## trend of normalized read-noise & temperatures

