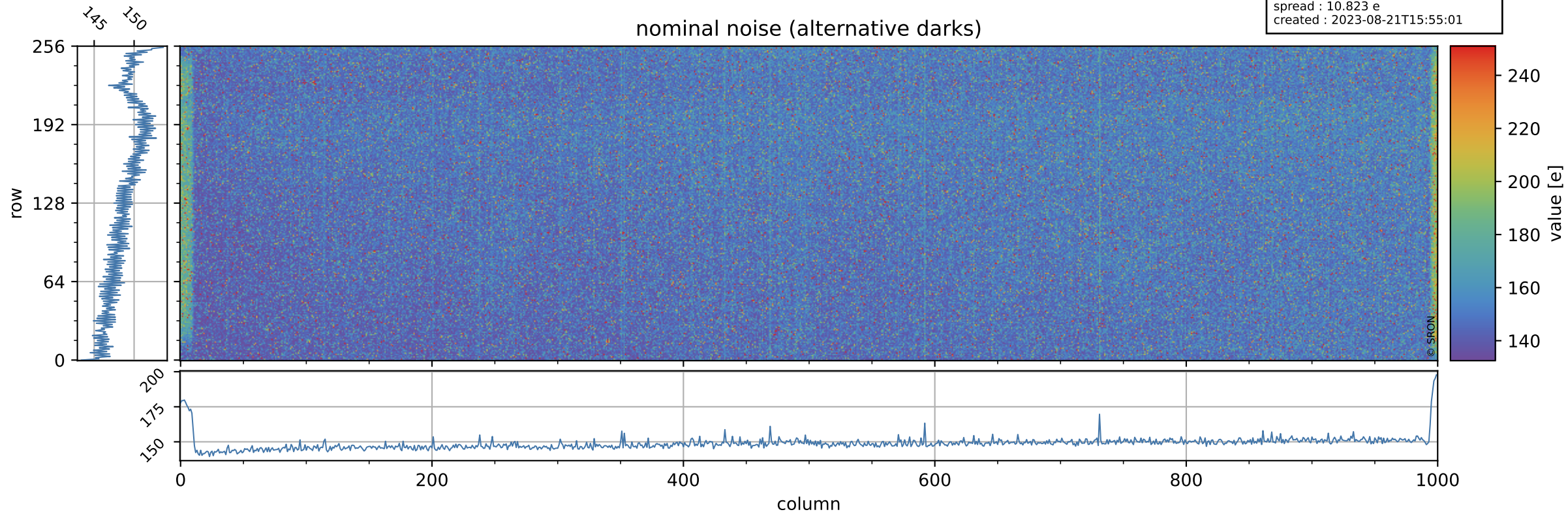


# Tropomi SWIR background noise (swir)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.823 e  
created : 2023-08-21T15:55:01

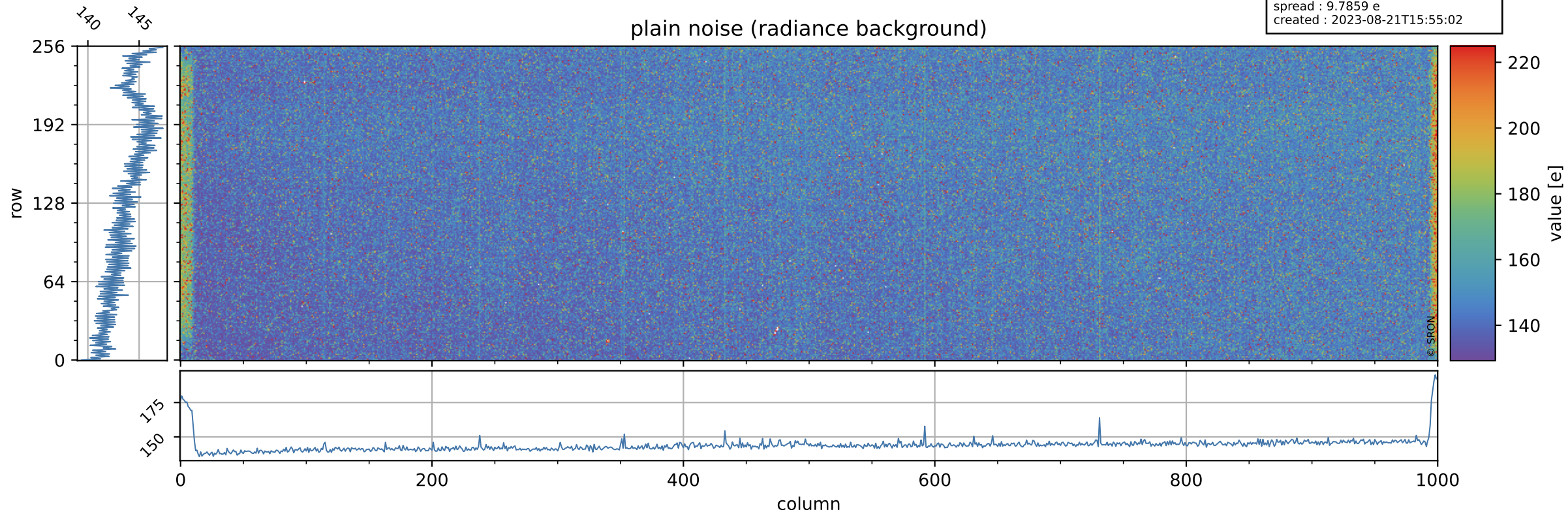
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.7859 e  
created : 2023-08-21T15:55:02

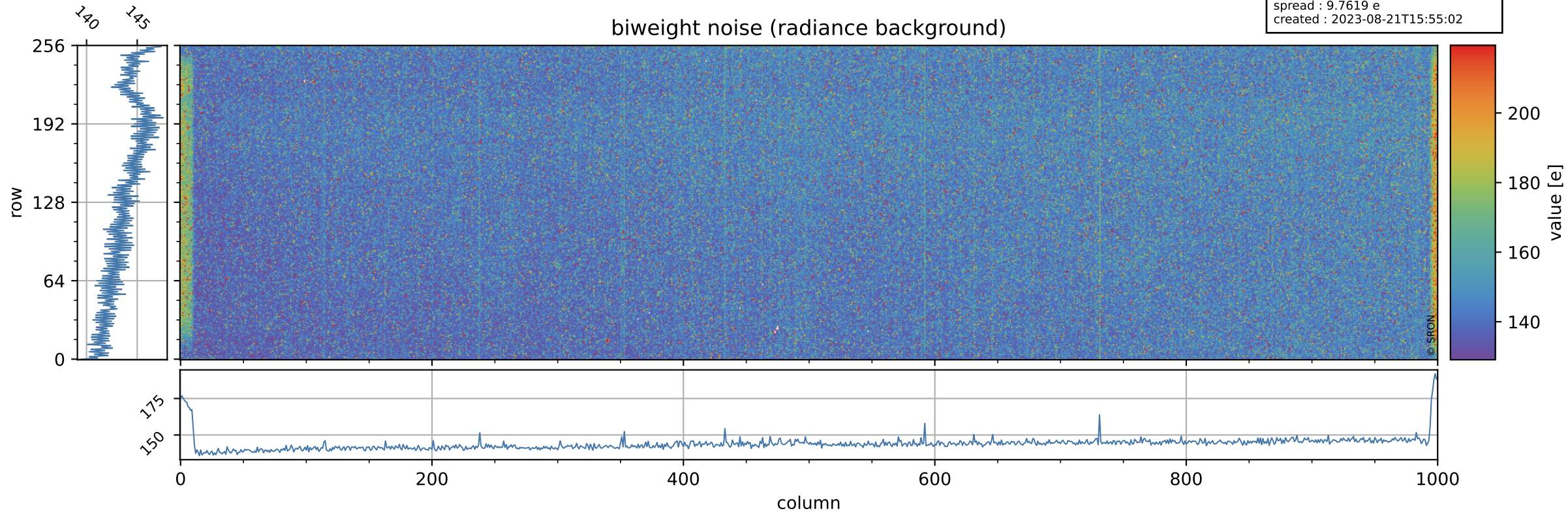
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7619 e  
created : 2023-08-21T15:55:02

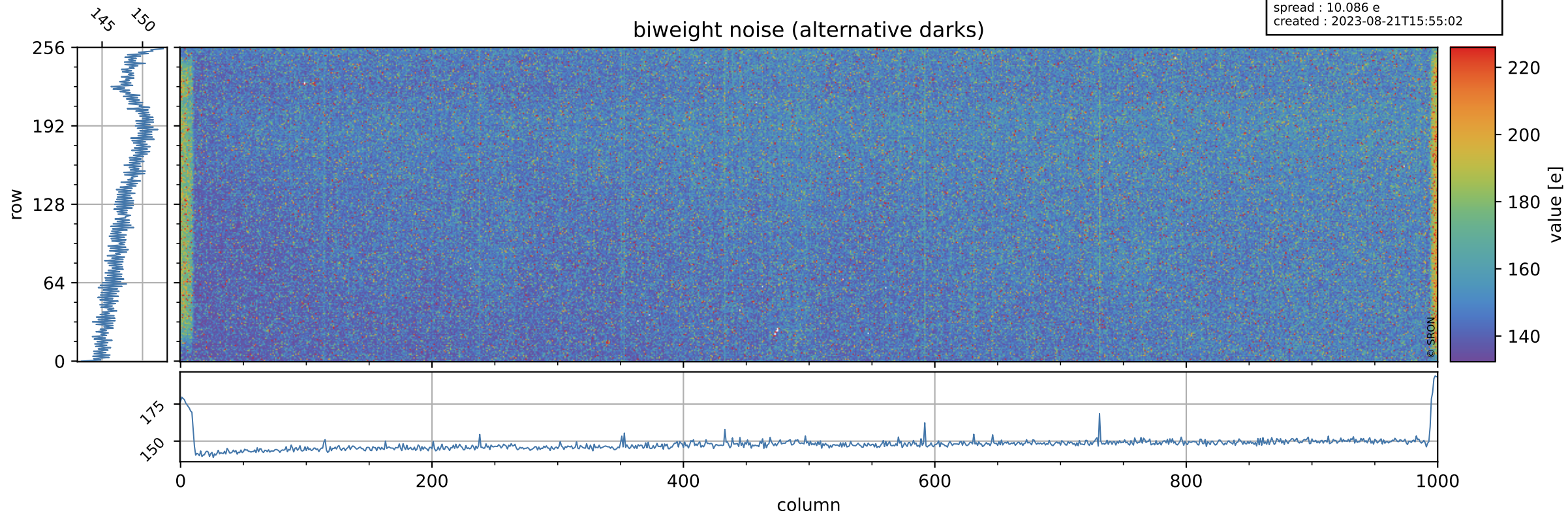
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.086 e  
created : 2023-08-21T15:55:02

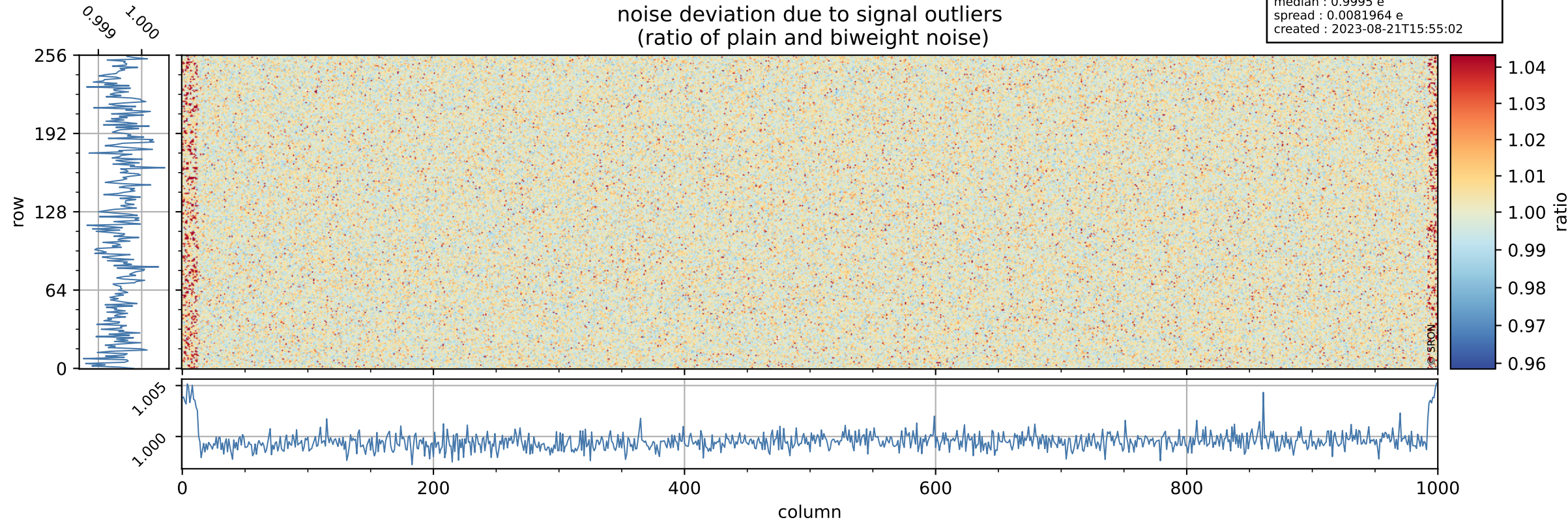
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

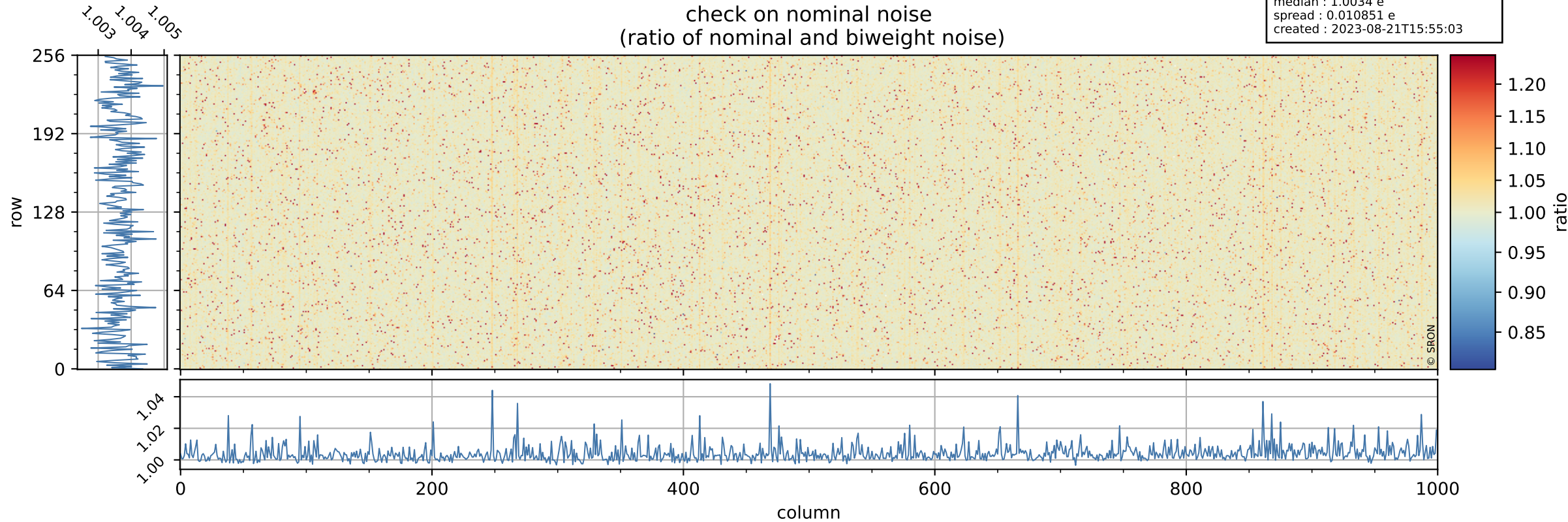
orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
median : 0.9995 e  
spread : 0.0081964 e  
created : 2023-08-21T15:55:02



# Tropomi SWIR background noise (swir)

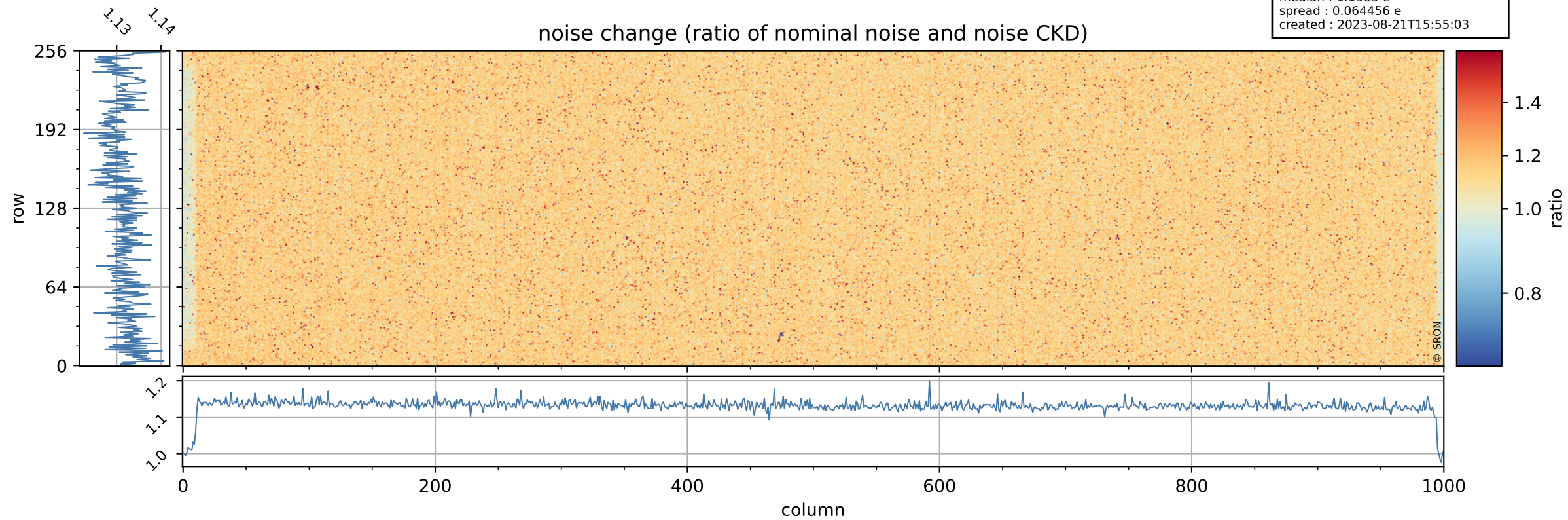
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
median : 1.0034 e  
spread : 0.010851 e  
created : 2023-08-21T15:55:03



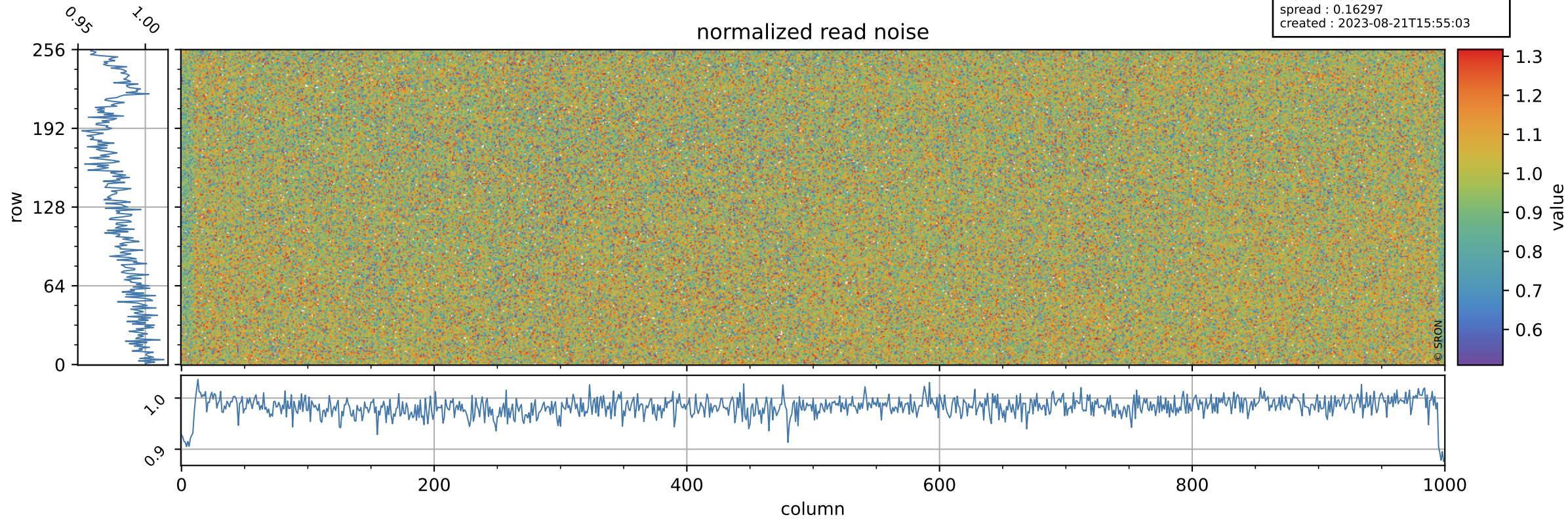
# Tropomi SWIR background noise (swir)

orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
median : 1.1305 e  
spread : 0.064456 e  
created : 2023-08-21T15:55:03



# Tropomi SWIR background noise (swir)

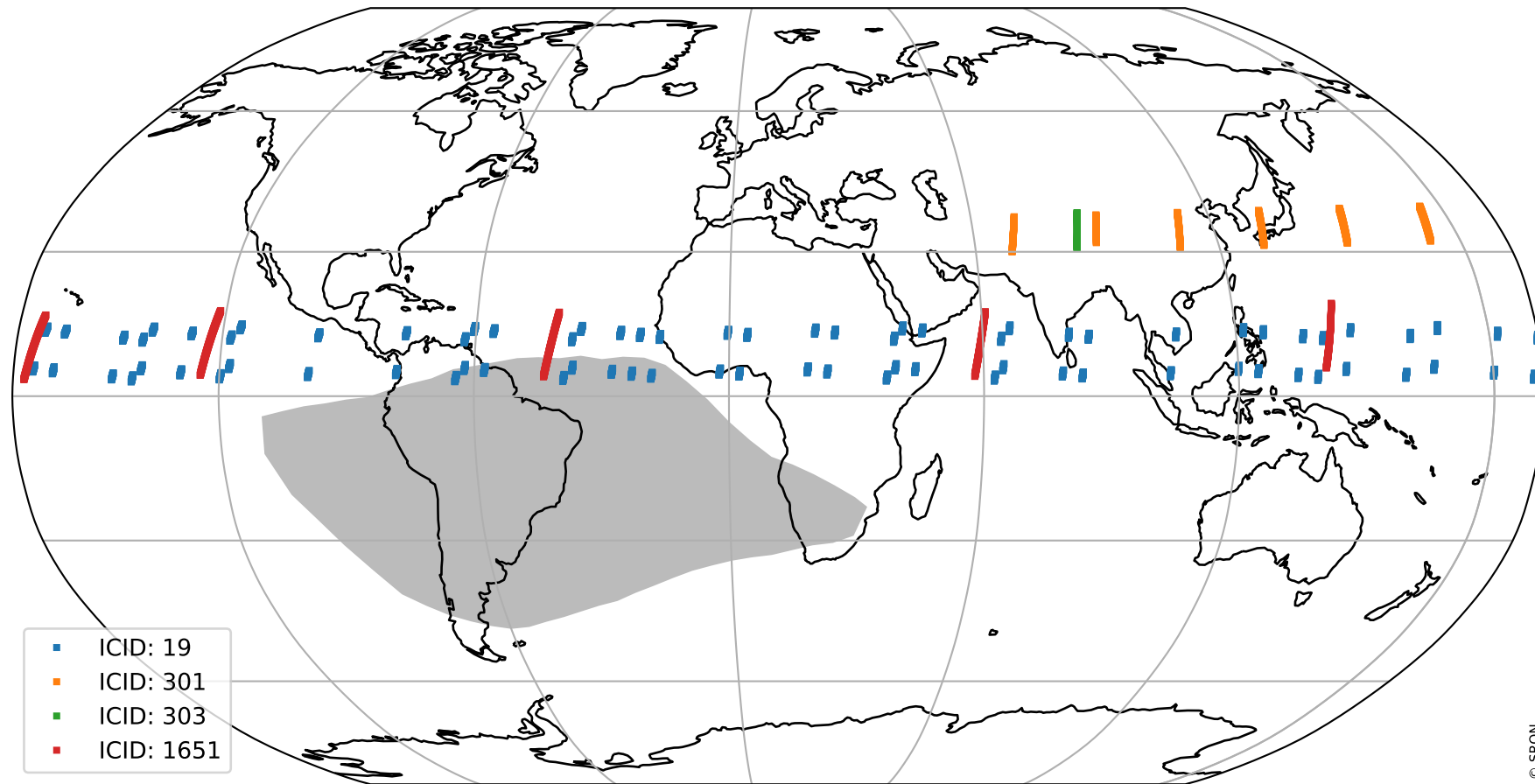
orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
median : 0.98157  
spread : 0.16297  
created : 2023-08-21T15:55:03





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

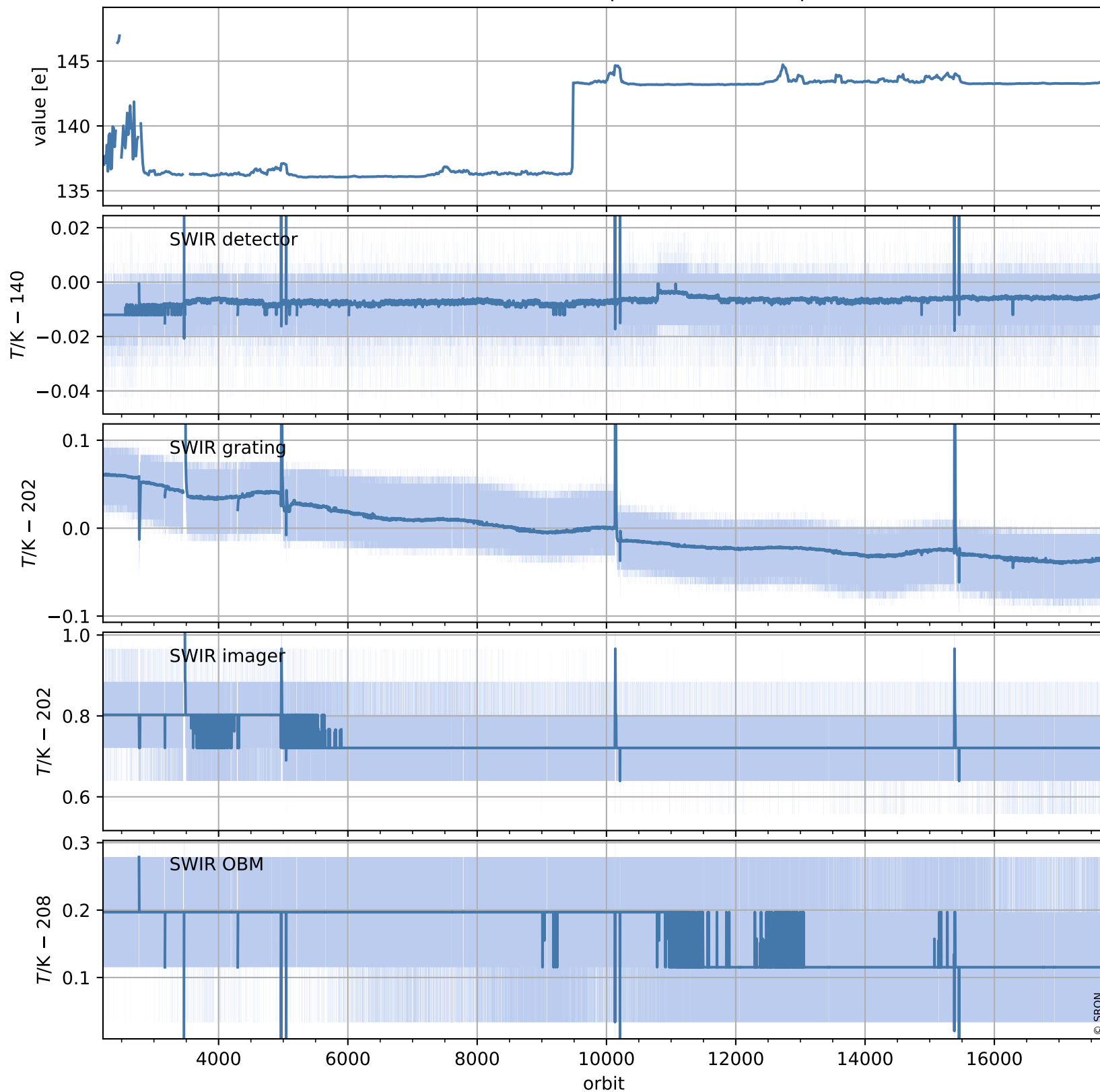
orbits : 12 in [17617, 17707]  
coverage : 2021-03-08 / 2021-03-14  
created : 2023-08-21T15:55:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 17707]  
coverage : 2018-03-18 / 2021-03-14  
created : 2023-08-21T15:55:04

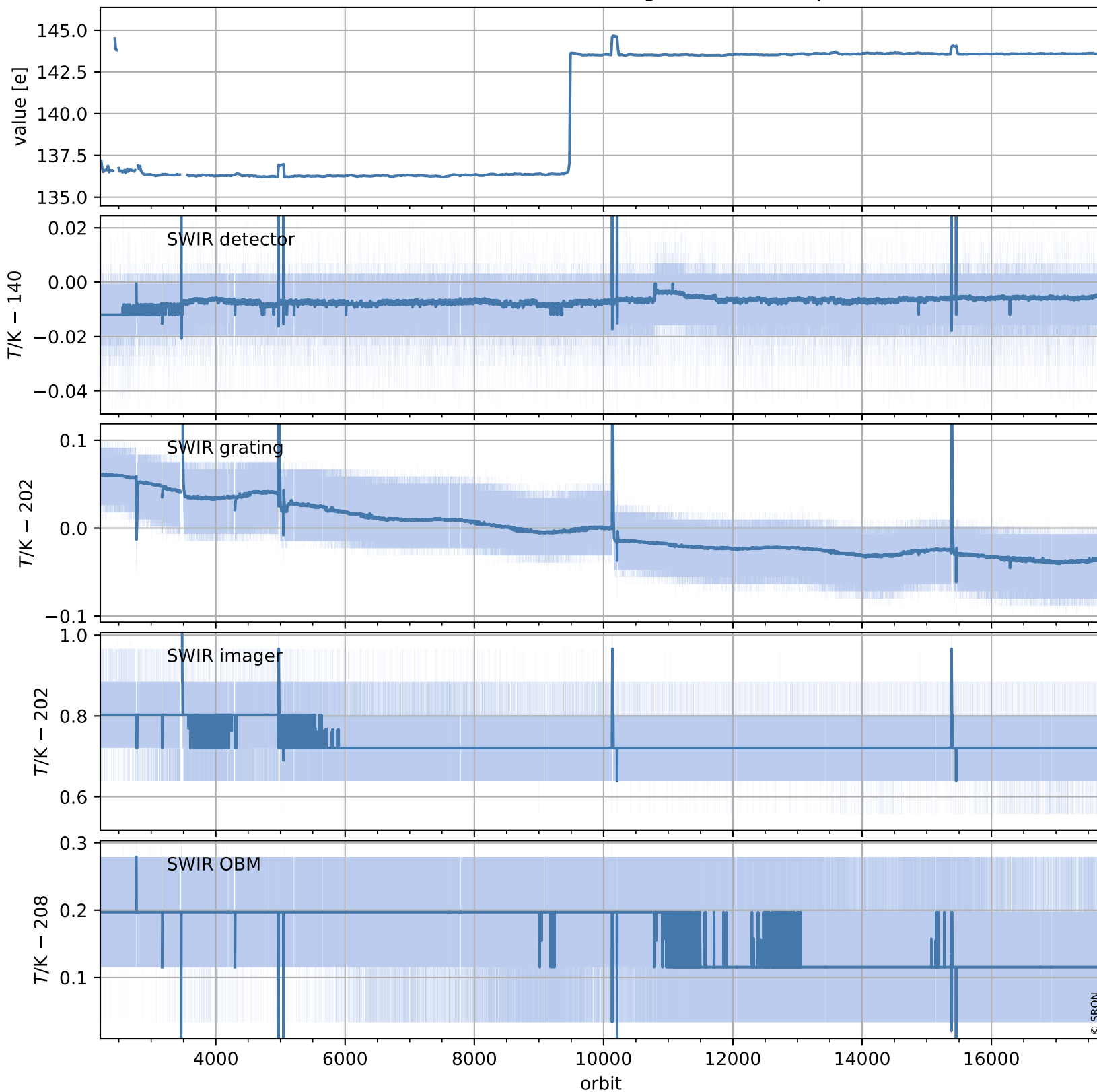
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17707]  
coverage : 2018-03-18 / 2021-03-14  
created : 2023-08-21T15:55:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17707]  
coverage : 2018-03-18 / 2021-03-14  
created : 2023-08-21T15:55:05

## trend of normalized read-noise & temperatures

