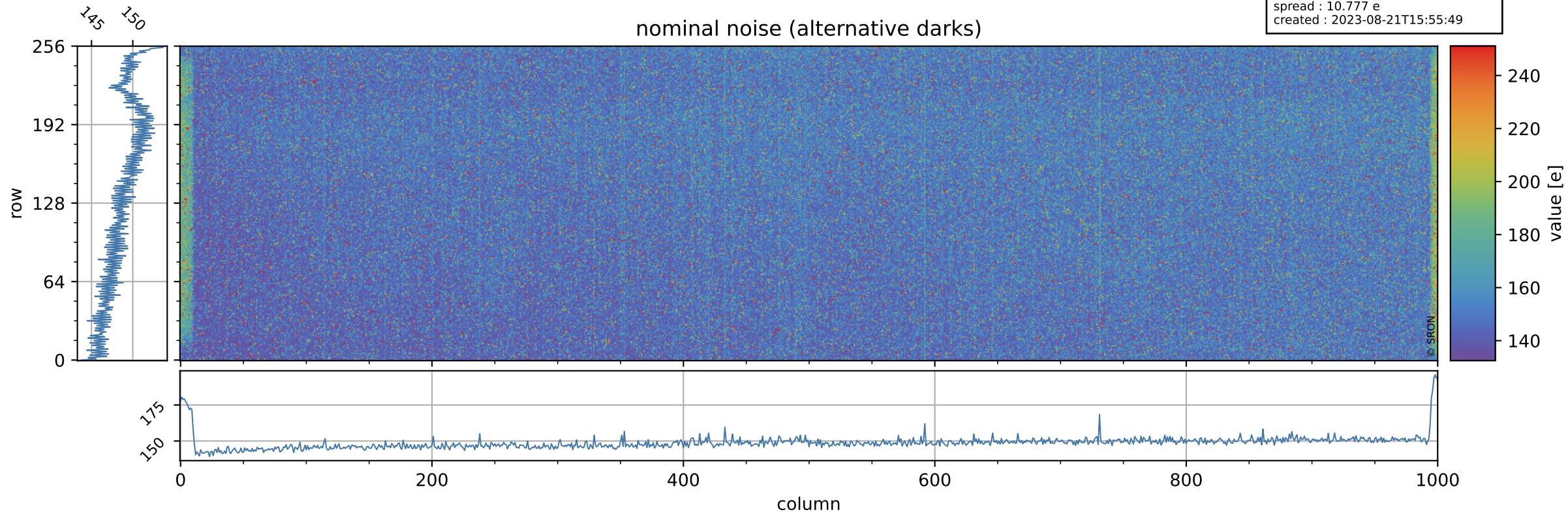


# Tropomi SWIR background noise (swir)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.777 e  
created : 2023-08-21T15:55:49

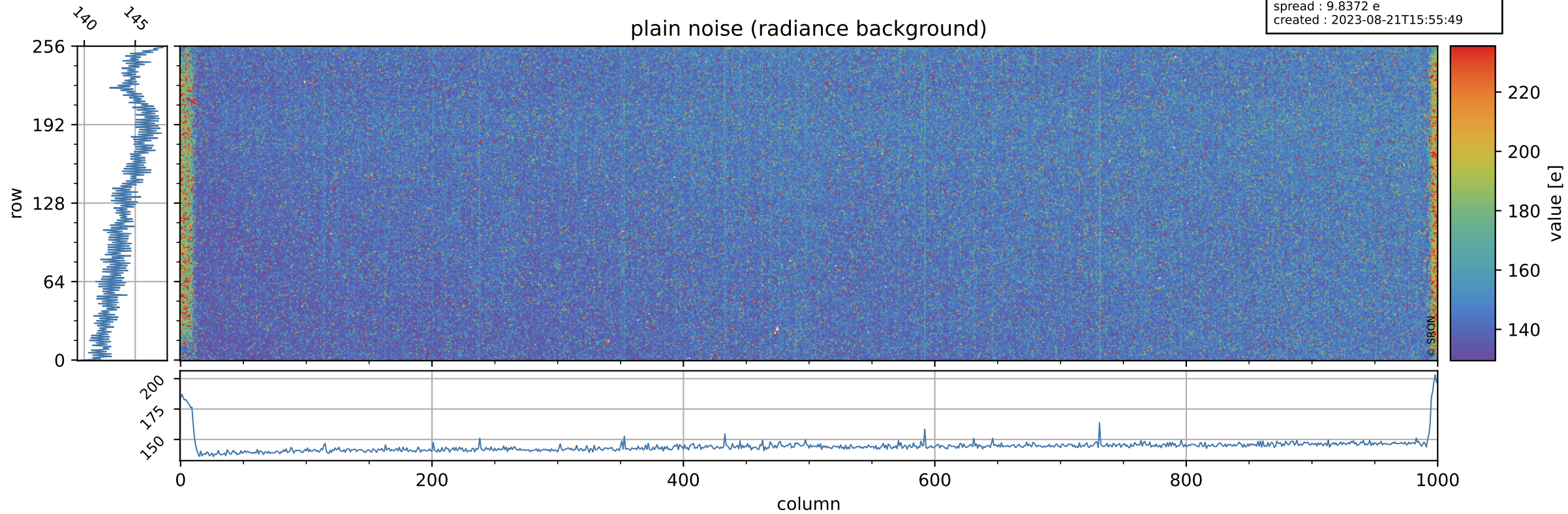
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.99 e  
spread : 9.8372 e  
created : 2023-08-21T15:55:49

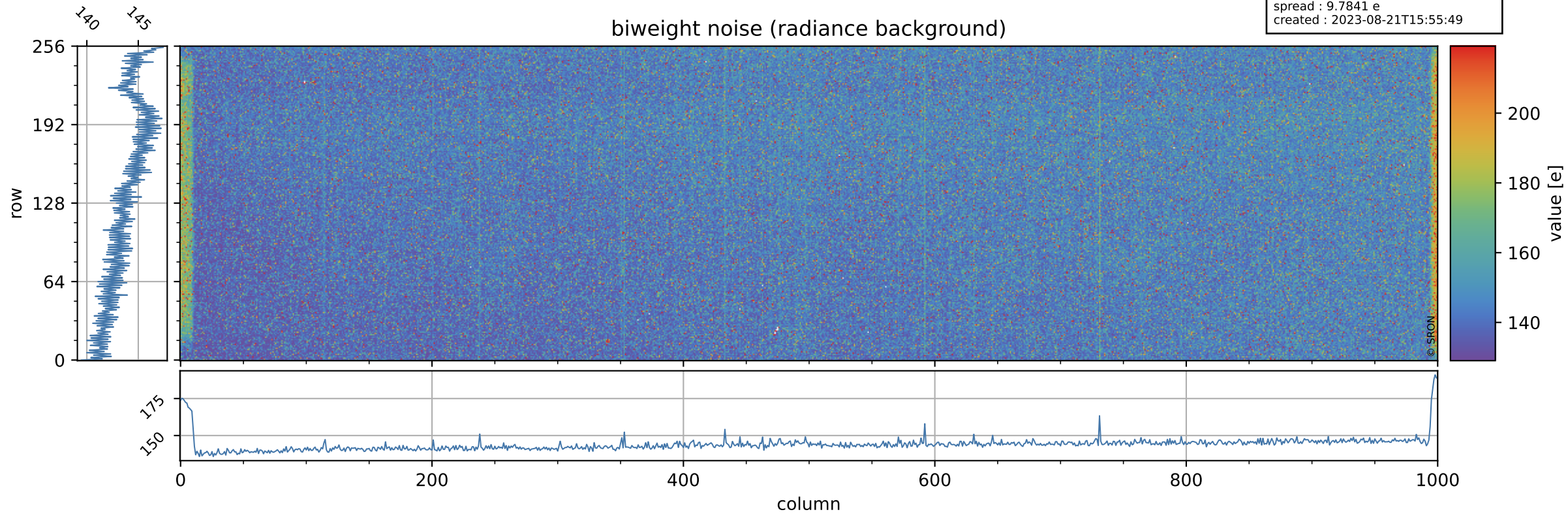
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.7841 e  
created : 2023-08-21T15:55:49

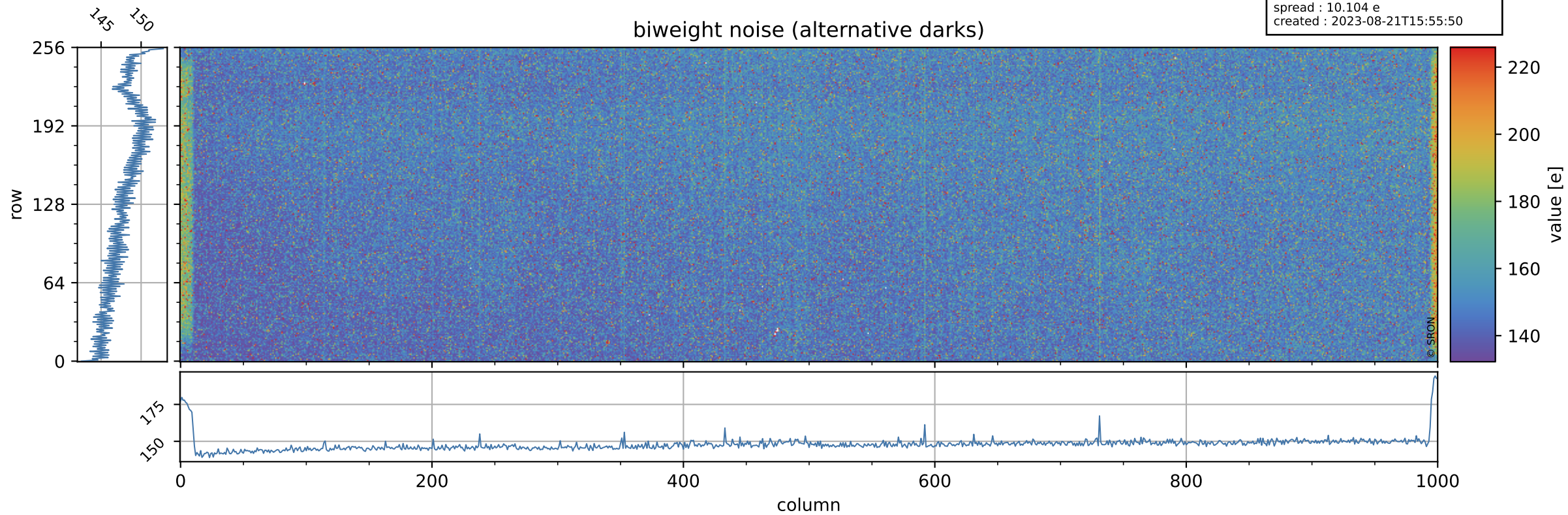
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.104 e  
created : 2023-08-21T15:55:50

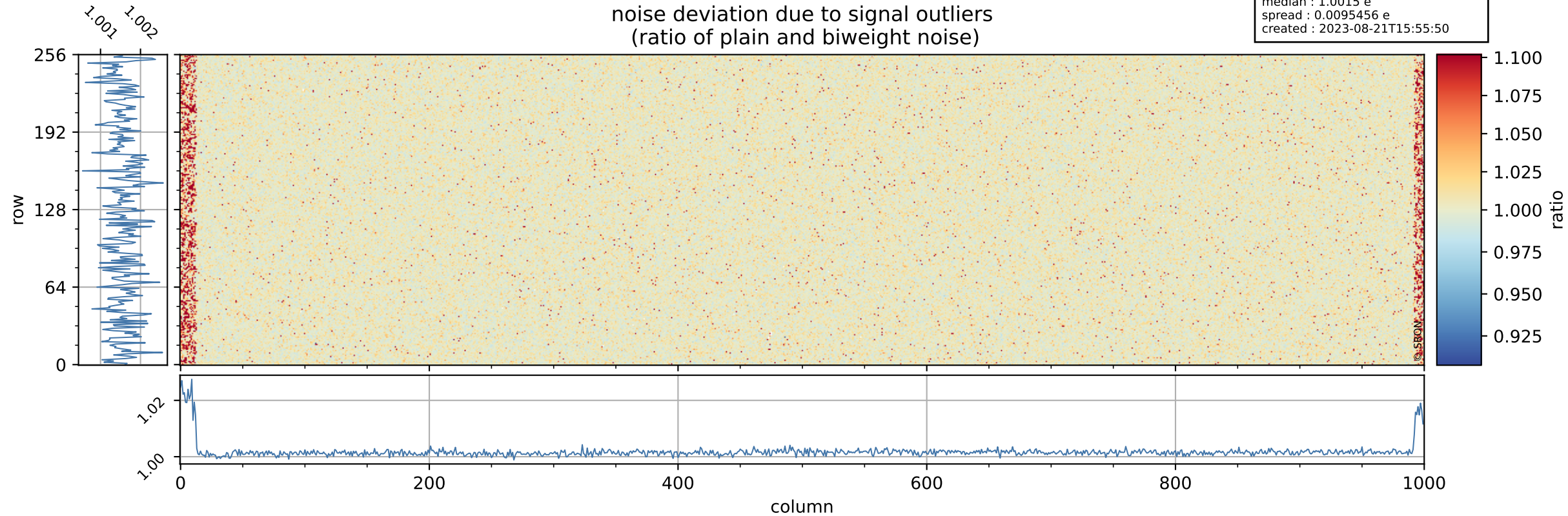
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

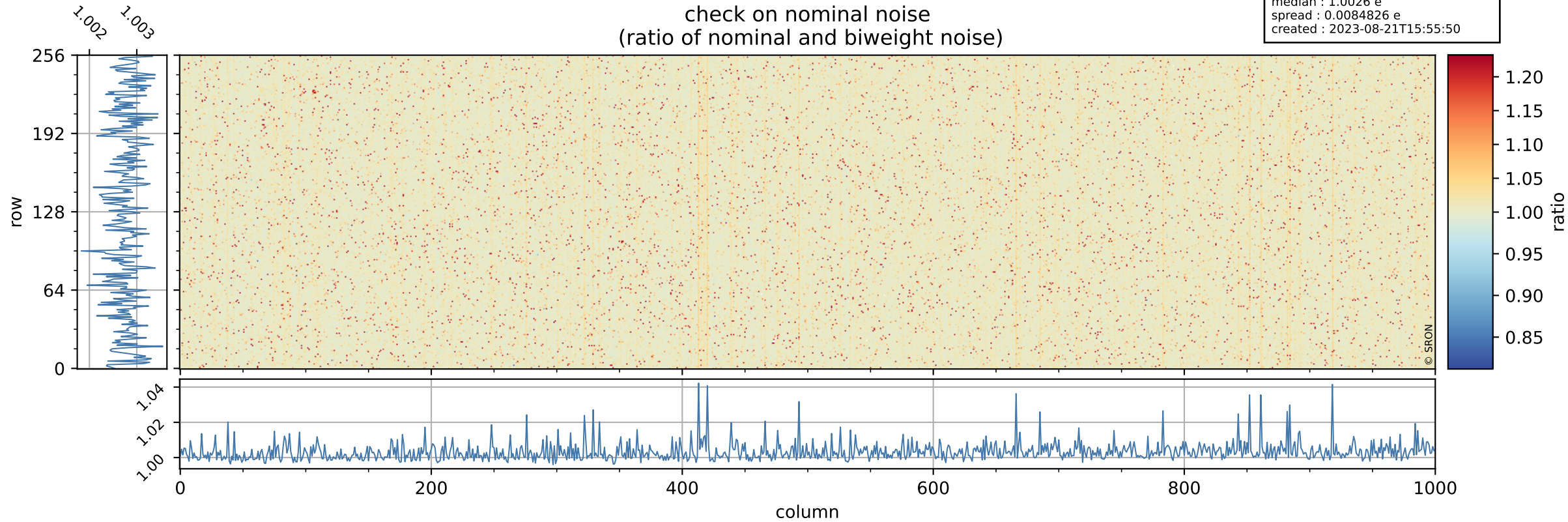
orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
median : 1.0015 e  
spread : 0.0095456 e  
created : 2023-08-21T15:55:50



# Tropomi SWIR background noise (swir)

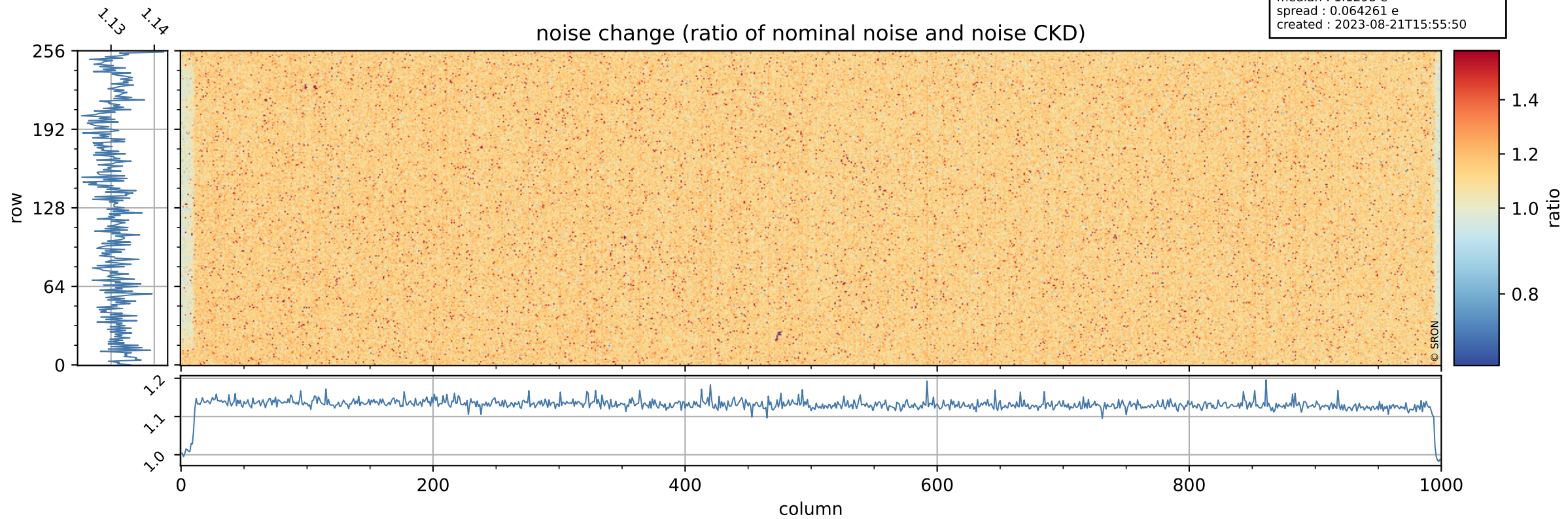
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
median : 1.0026 e  
spread : 0.0084826 e  
created : 2023-08-21T15:55:50



# Tropomi SWIR background noise (swir)

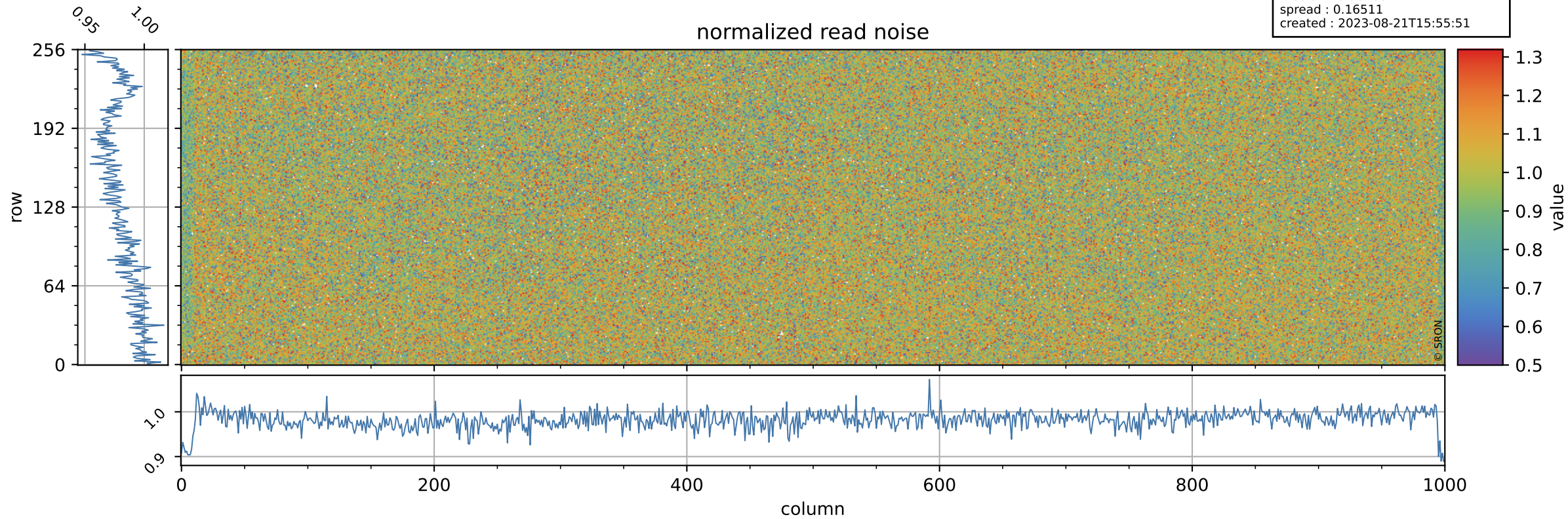
orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
median : 1.1298 e  
spread : 0.064261 e  
created : 2023-08-21T15:55:50



# Tropomi SWIR background noise (swir)

orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
median : 0.98106  
spread : 0.16511  
created : 2023-08-21T15:55:51

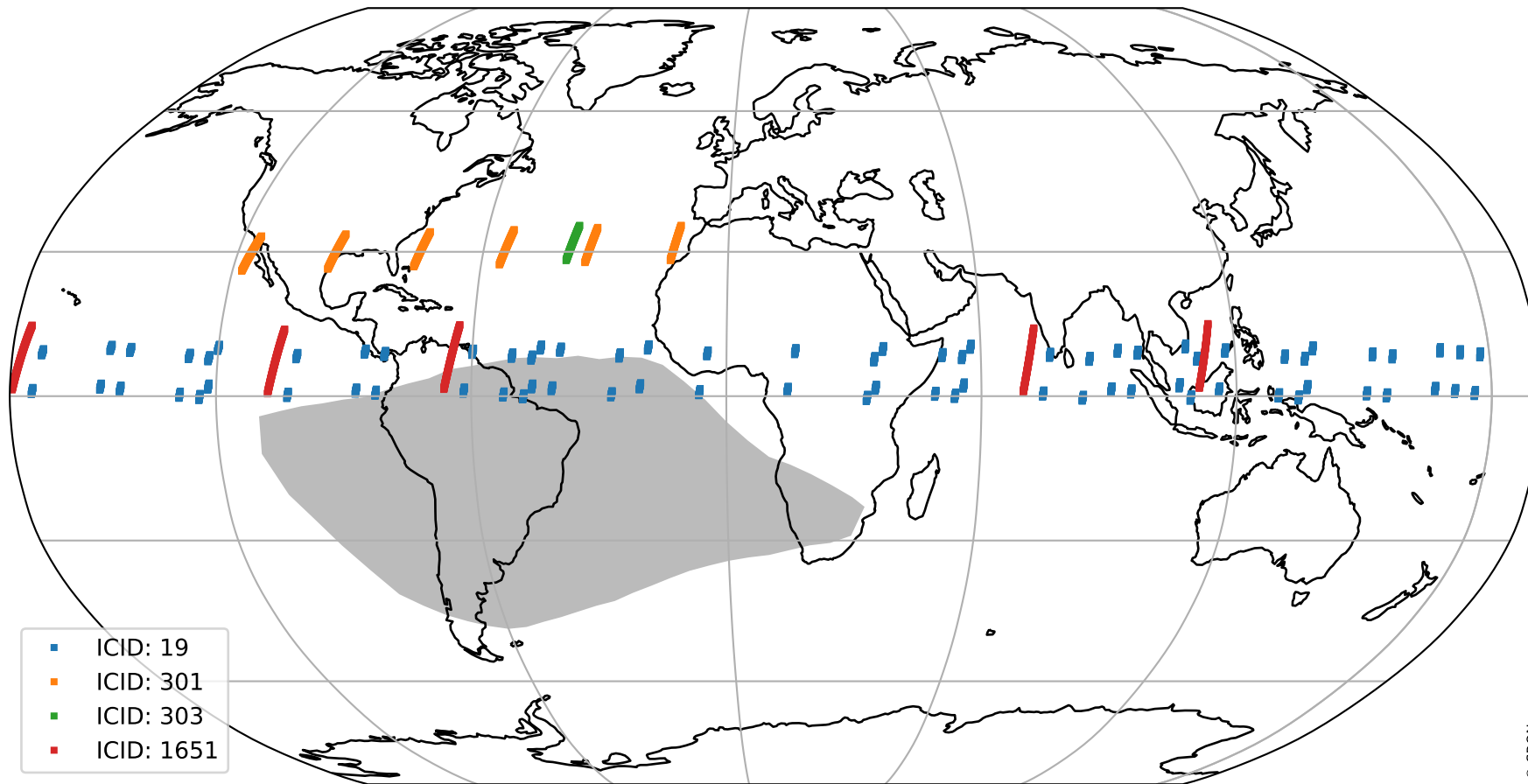
## normalized read noise





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

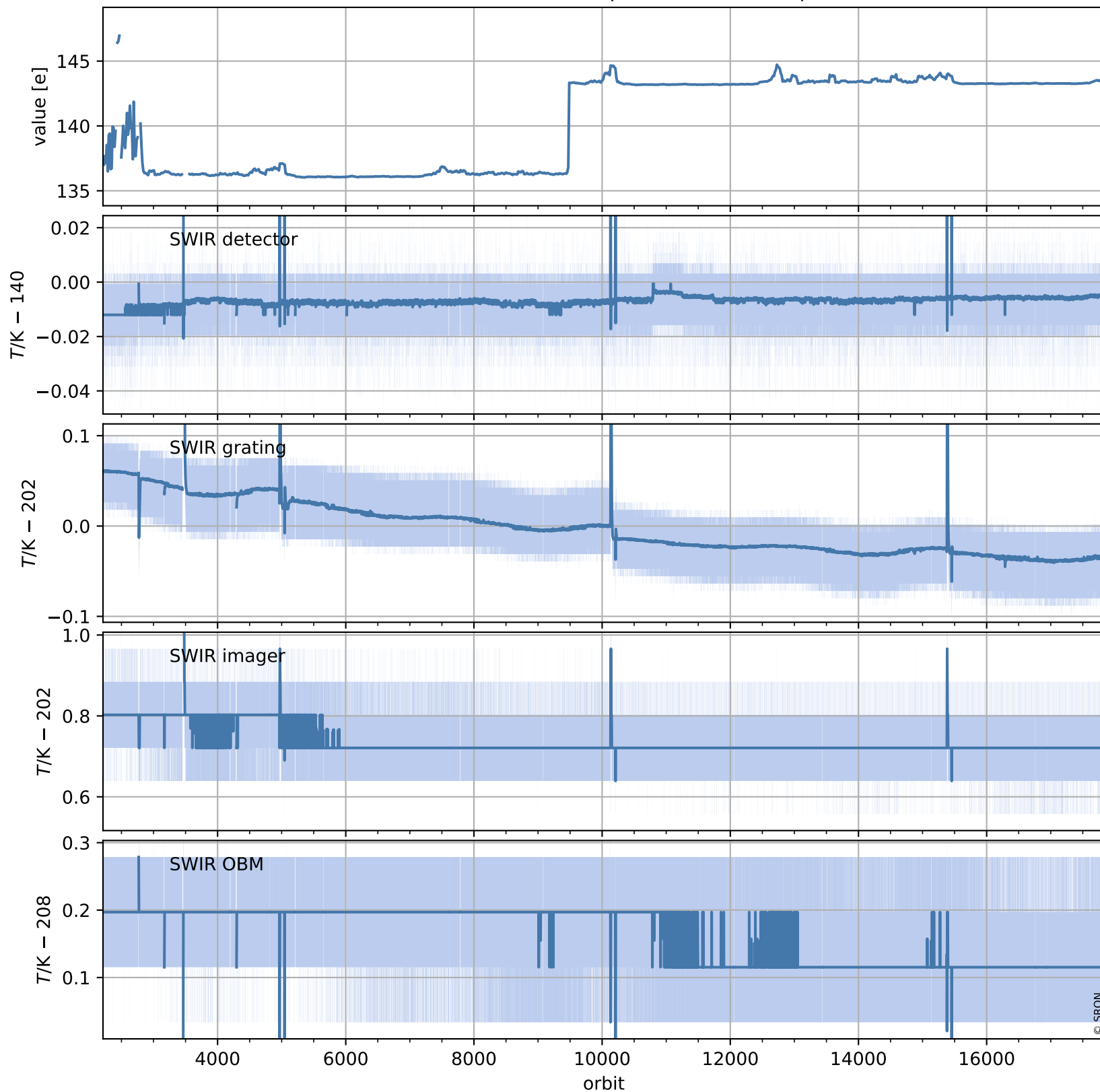
orbits : 12 in [17767, 17842]  
coverage : 2021-03-18 / 2021-03-23  
created : 2023-08-21T15:55:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 17842]  
coverage : 2018-03-18 / 2021-03-23  
created : 2023-08-21T15:55:51

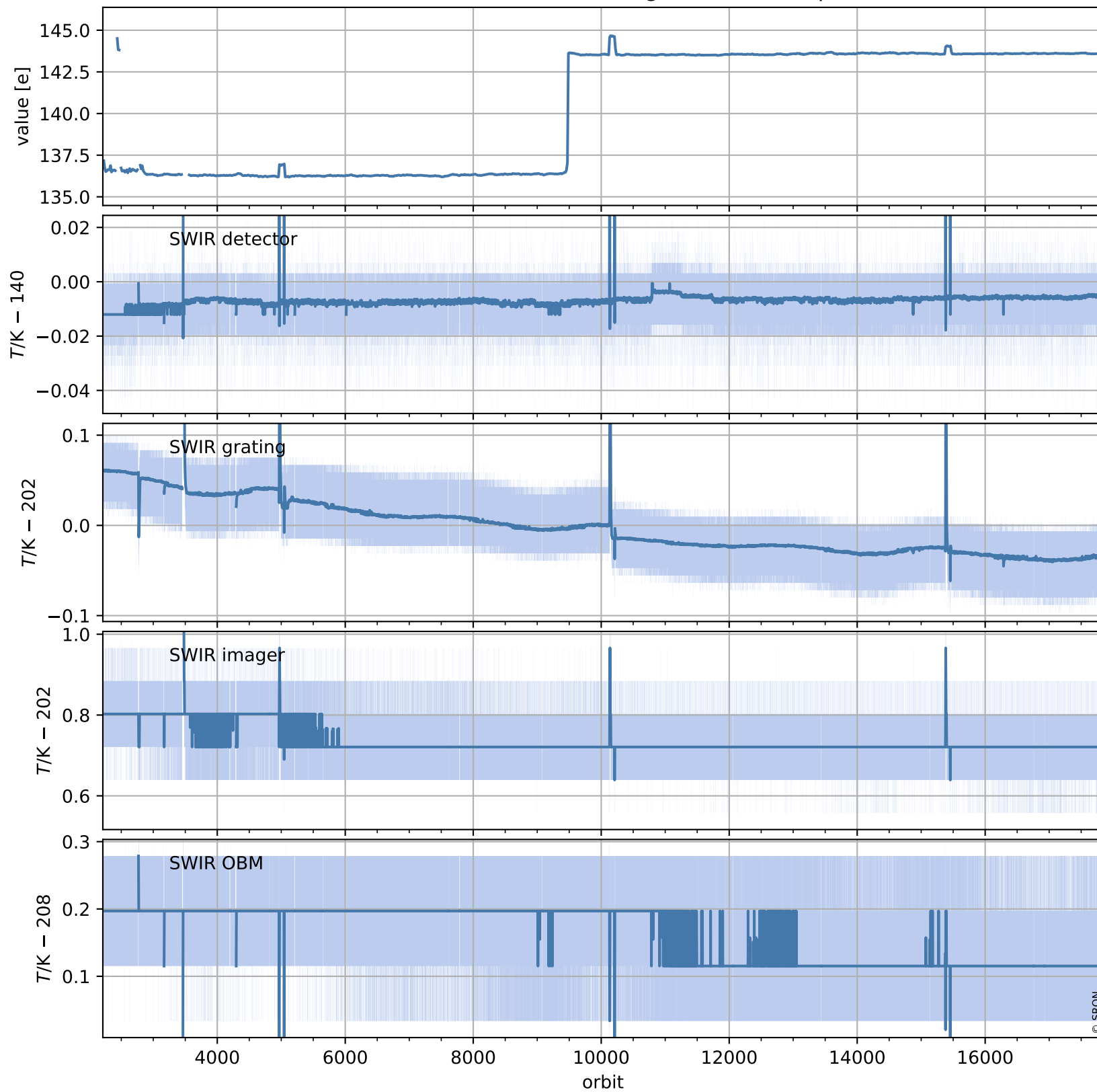
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17842]  
coverage : 2018-03-18 / 2021-03-23  
created : 2023-08-21T15:55:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17842]  
coverage : 2018-03-18 / 2021-03-23  
created : 2023-08-21T15:55:53

## trend of normalized read-noise & temperatures

