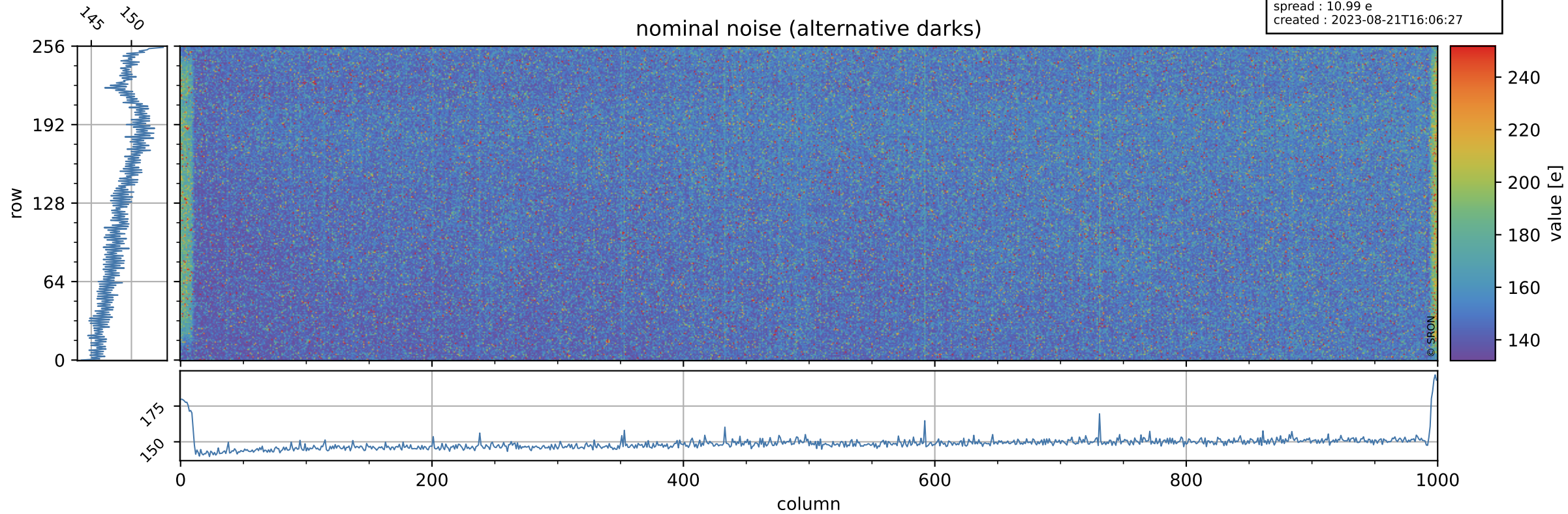


# Tropomi SWIR background noise (swir)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.66 e  
spread : 10.99 e  
created : 2023-08-21T16:06:27

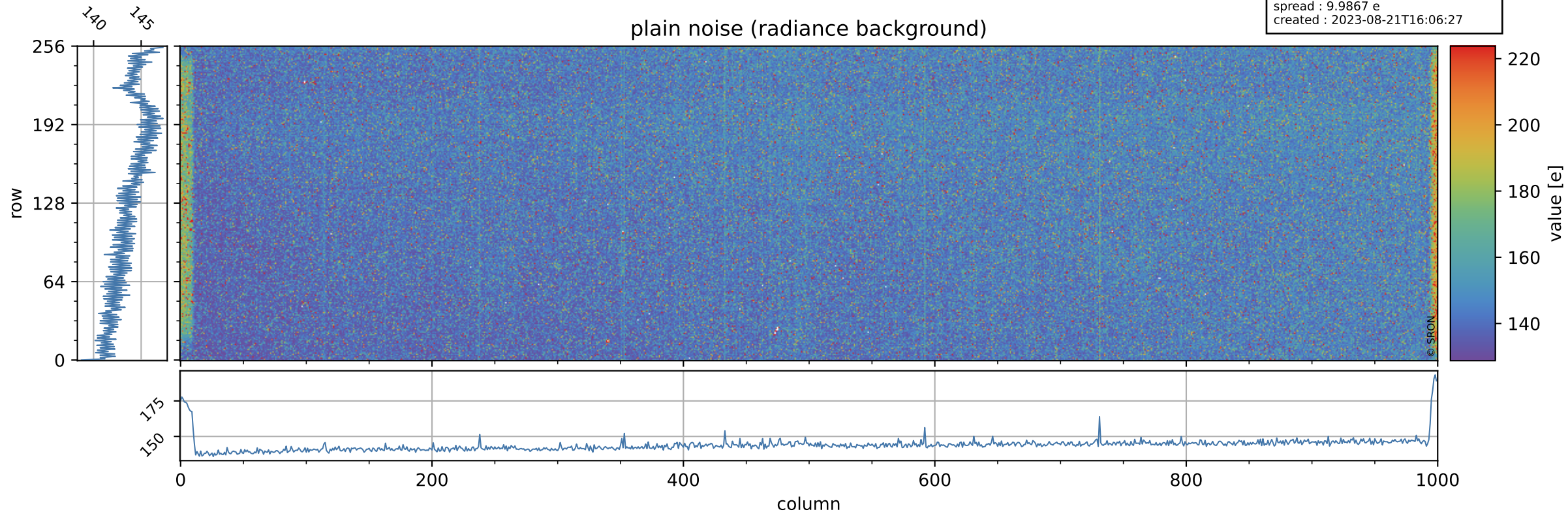
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.9867 e  
created : 2023-08-21T16:06:27

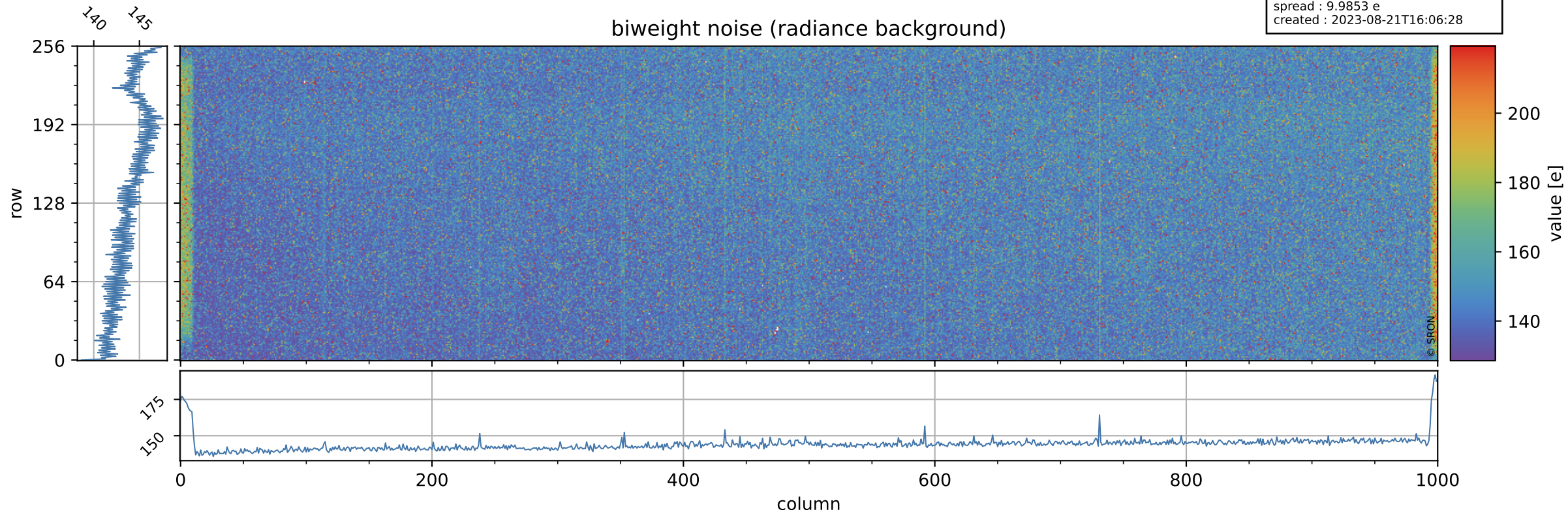
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.9853 e  
created : 2023-08-21T16:06:28

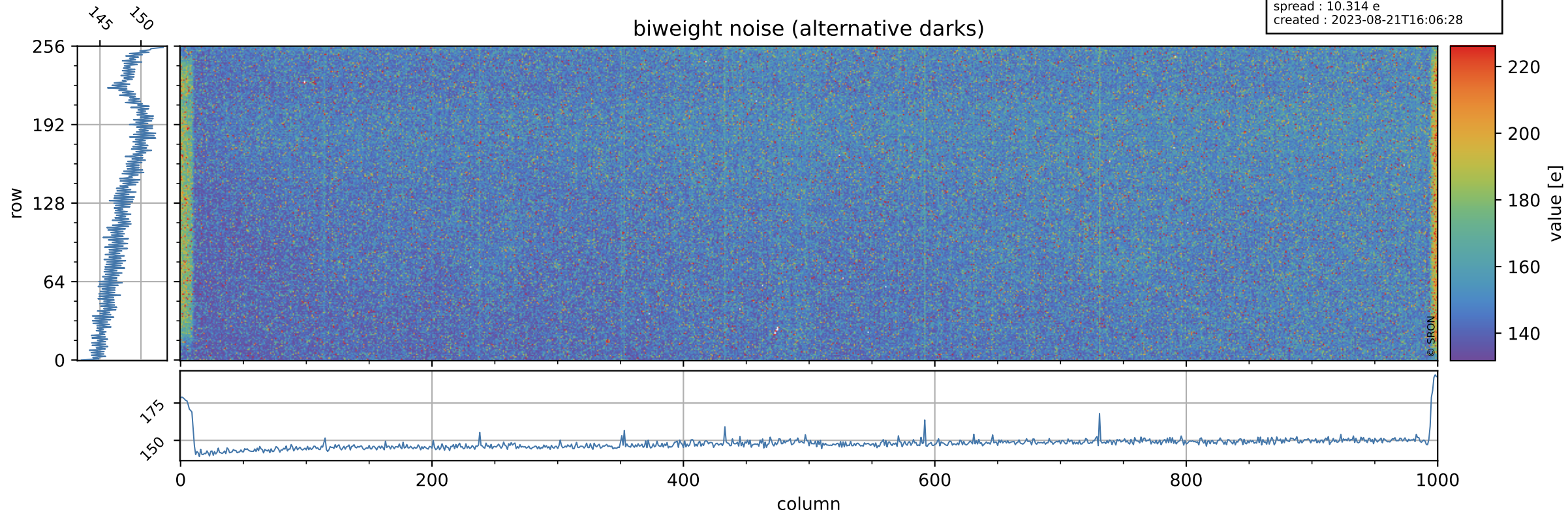
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.74 e  
spread : 10.314 e  
created : 2023-08-21T16:06:28

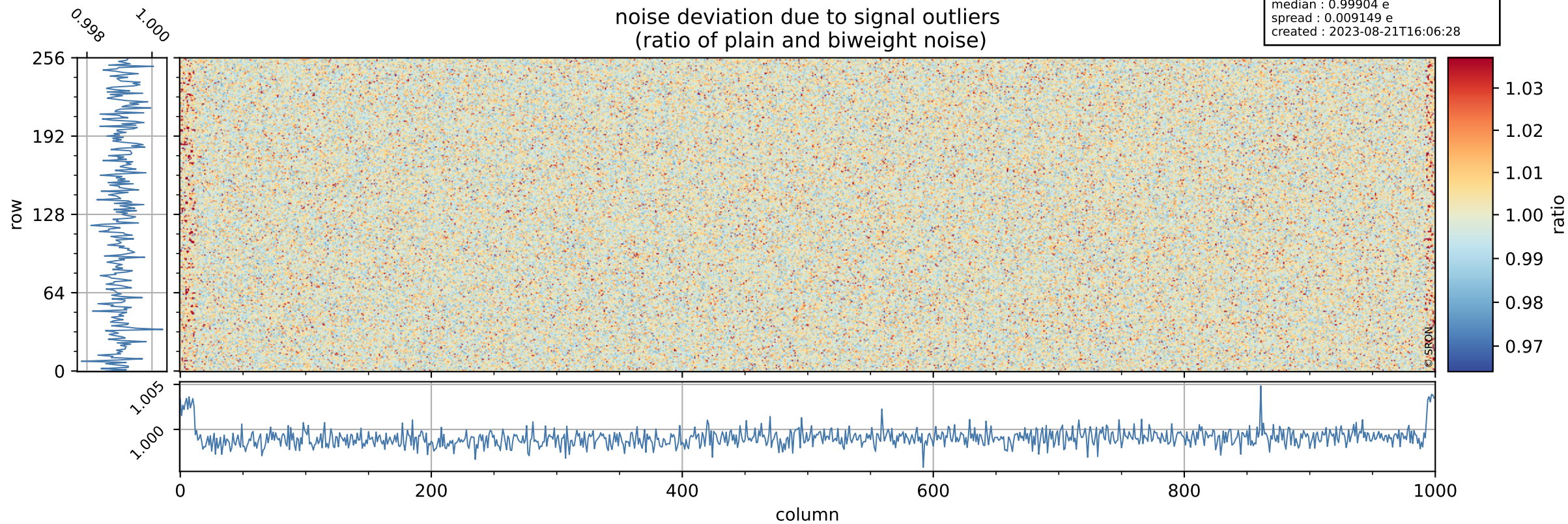
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

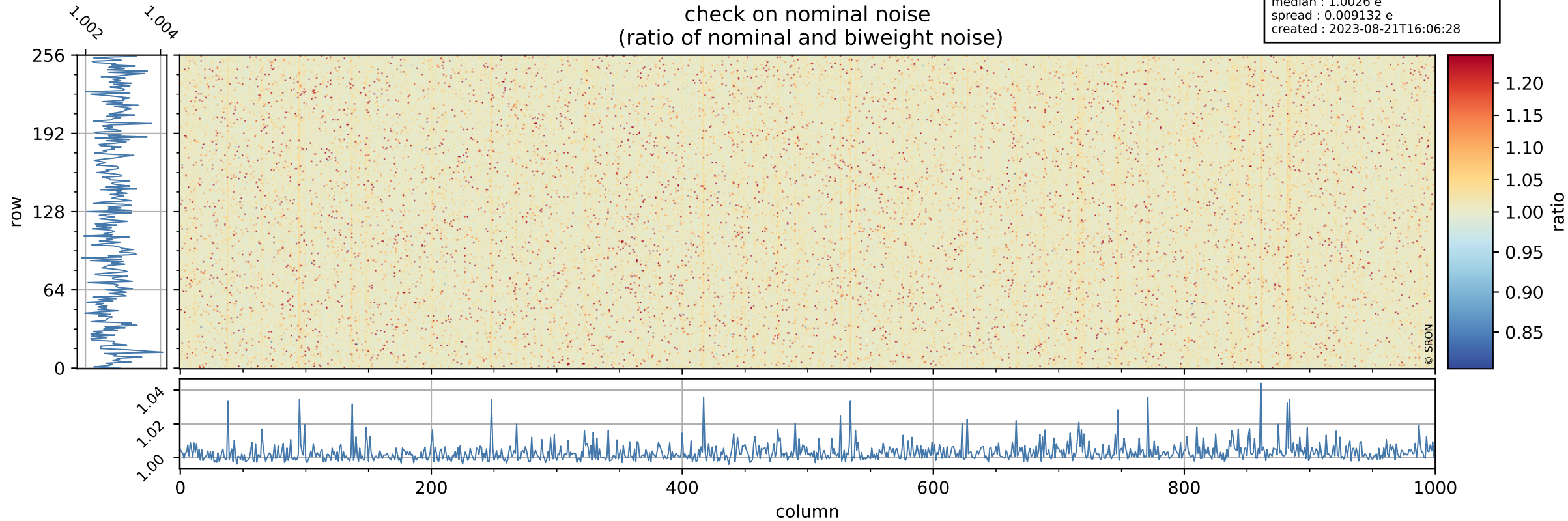
orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
median : 0.99904 e  
spread : 0.009149 e  
created : 2023-08-21T16:06:28



# Tropomi SWIR background noise (swir)

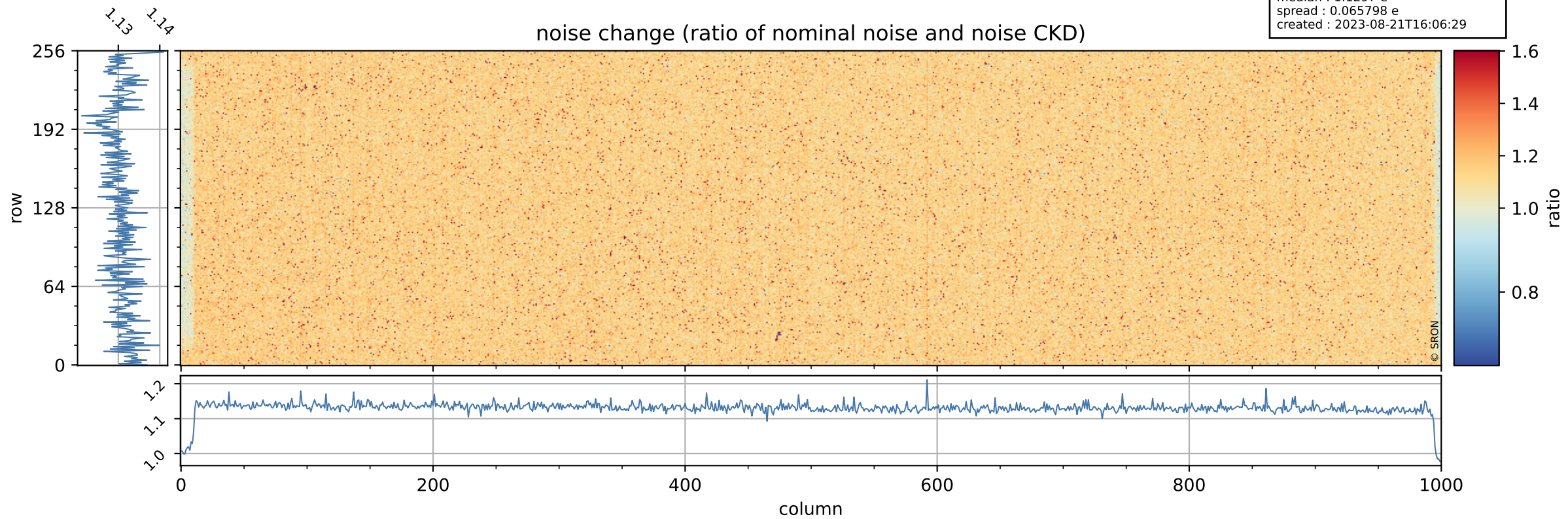
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
median : 1.0026 e  
spread : 0.009132 e  
created : 2023-08-21T16:06:28



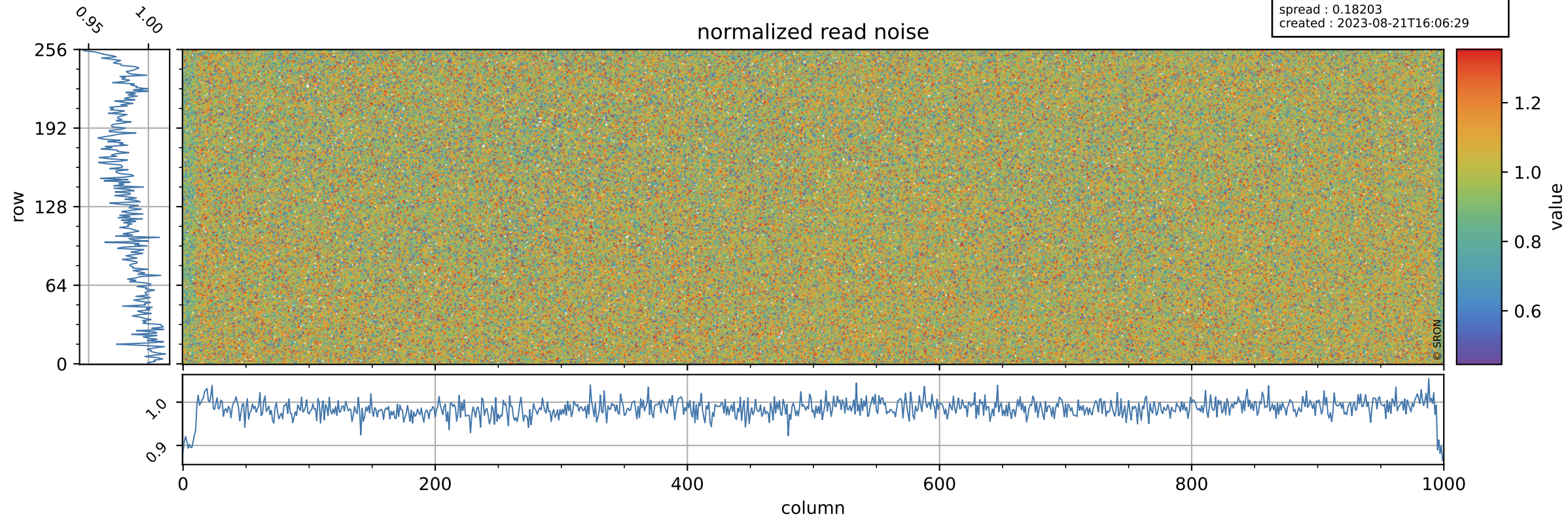
# Tropomi SWIR background noise (swir)

orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
median : 1.1297 e  
spread : 0.065798 e  
created : 2023-08-21T16:06:29



# Tropomi SWIR background noise (swir)

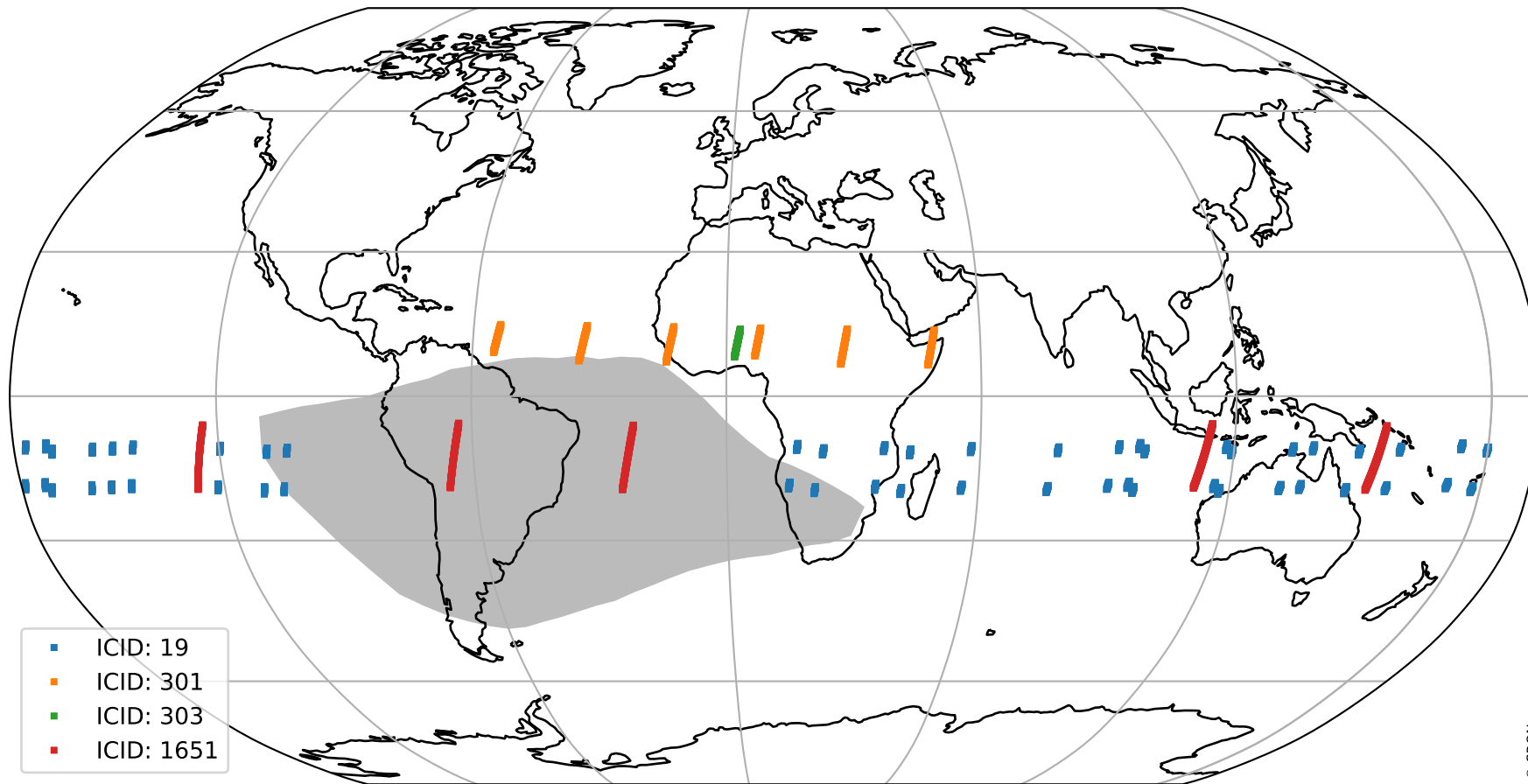
orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
median : 0.98316  
spread : 0.18203  
created : 2023-08-21T16:06:29





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

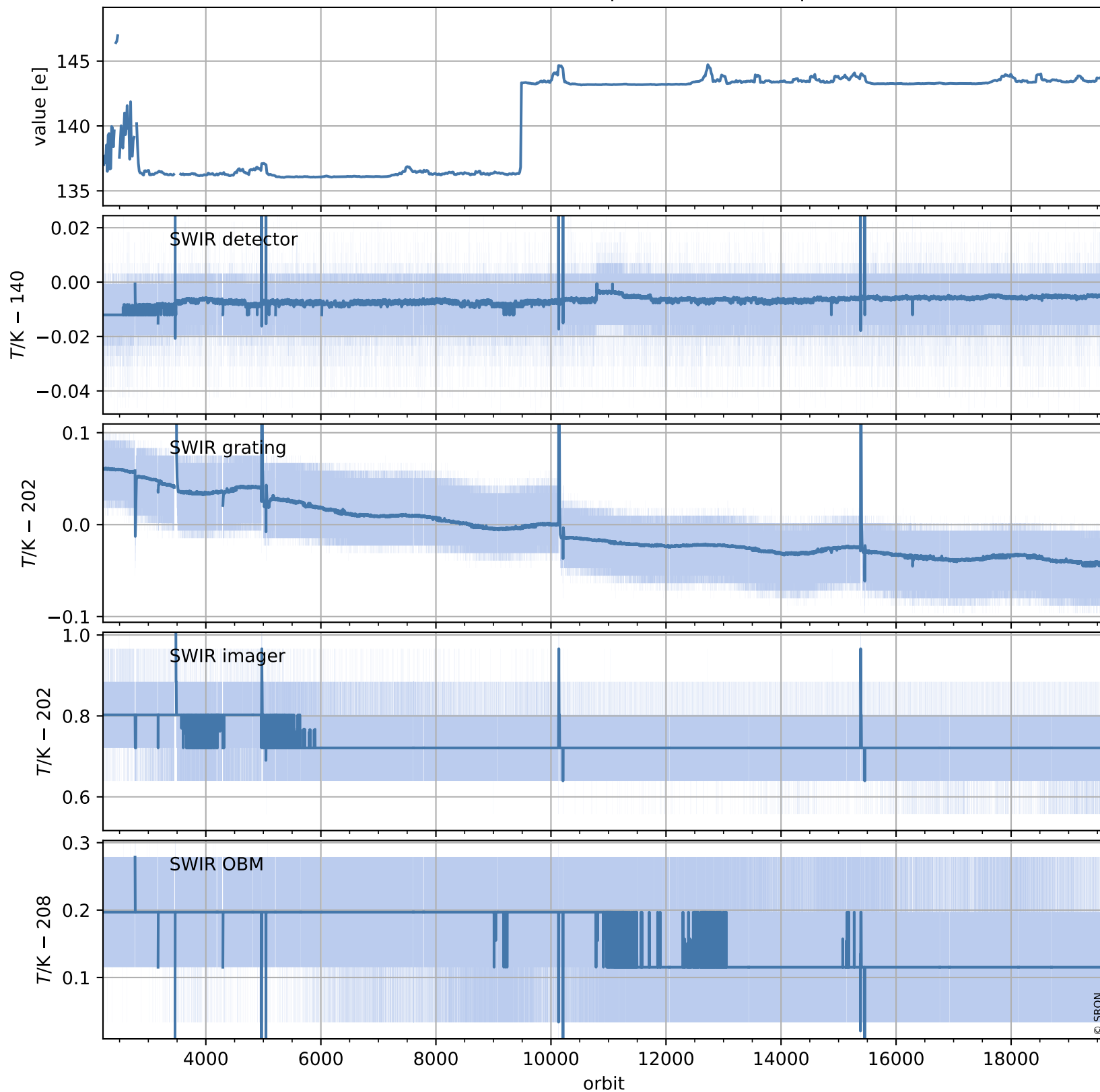
orbits : 12 in [19552, 19627]  
coverage : 2021-07-21 / 2021-07-27  
created : 2023-08-21T16:06:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 19627]  
coverage : 2018-03-18 / 2021-07-27  
created : 2023-08-21T16:06:30

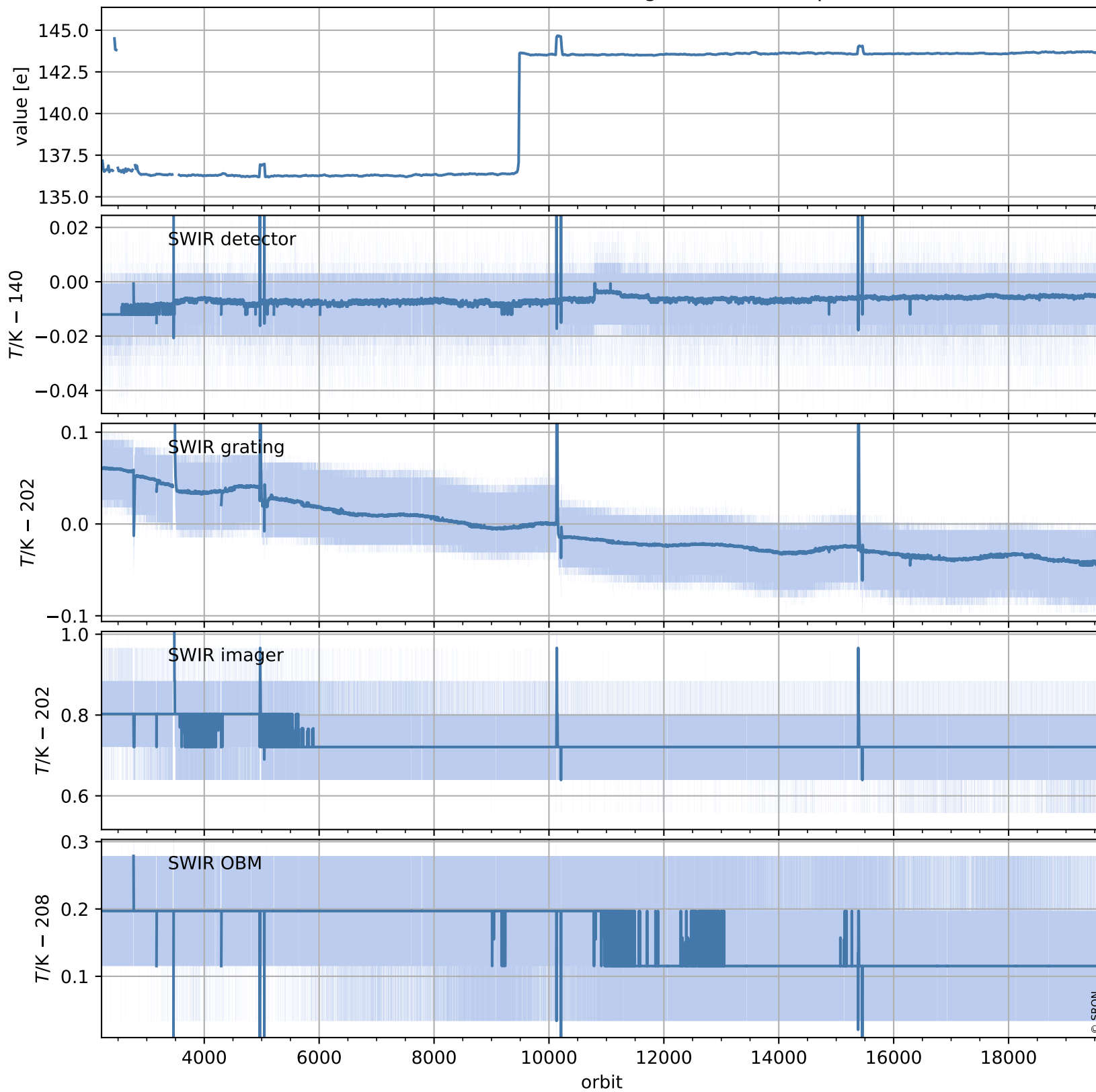
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19627]  
coverage : 2018-03-18 / 2021-07-27  
created : 2023-08-21T16:06:31

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19627]  
coverage : 2018-03-18 / 2021-07-27  
created : 2023-08-21T16:06:31

## trend of normalized read-noise & temperatures

