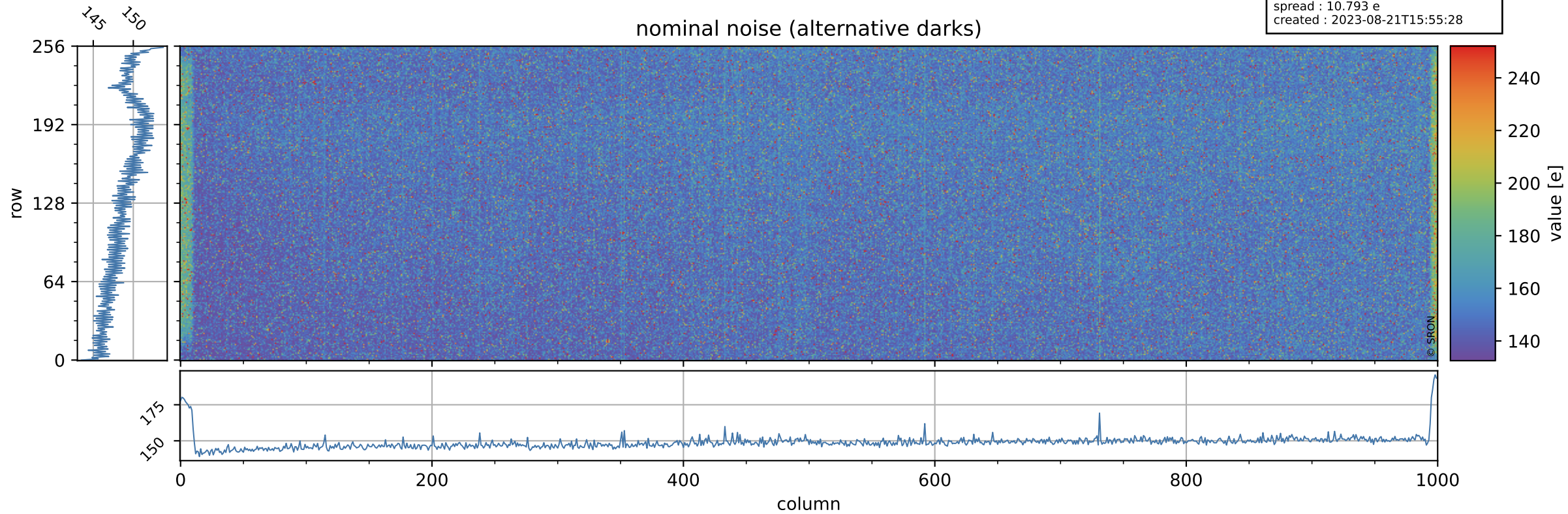


# Tropomi SWIR background noise (swir)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.66 e  
spread : 10.793 e  
created : 2023-08-21T15:55:28

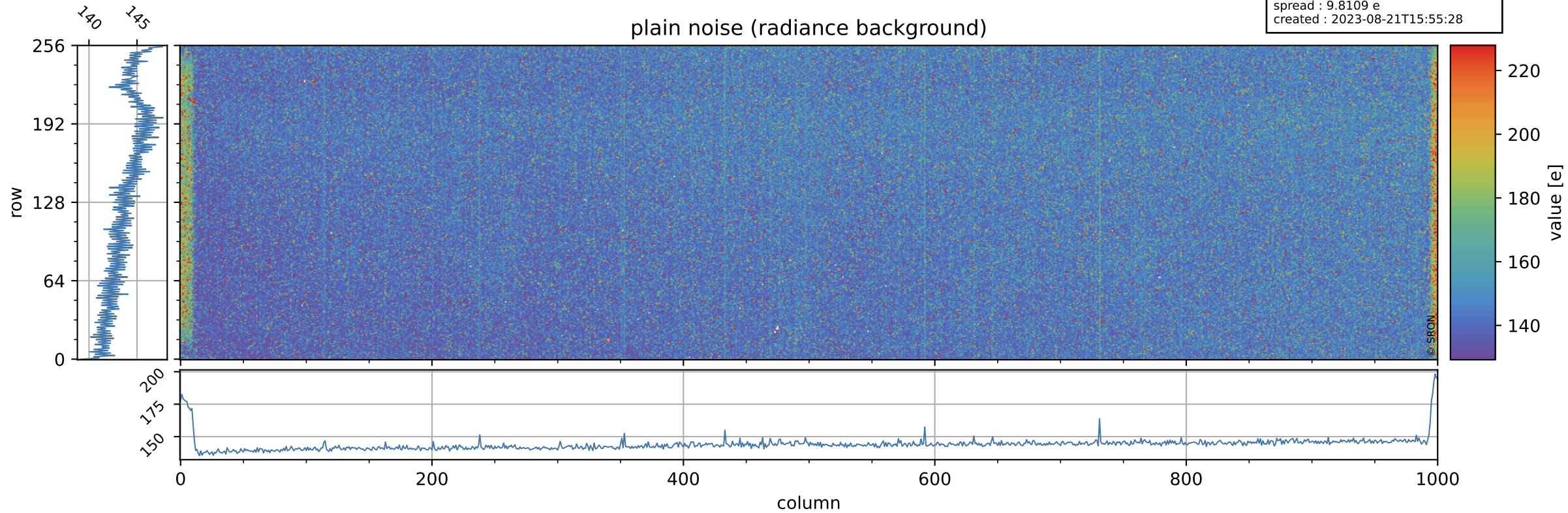
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.8109 e  
created : 2023-08-21T15:55:28

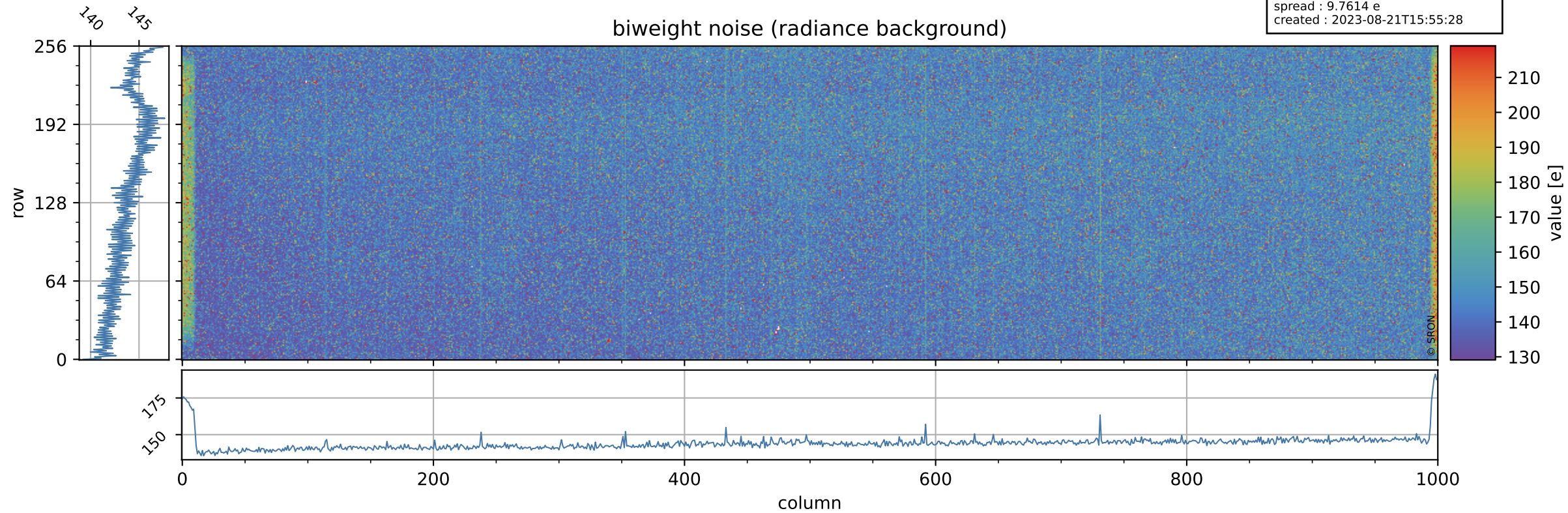
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7614 e  
created : 2023-08-21T15:55:28

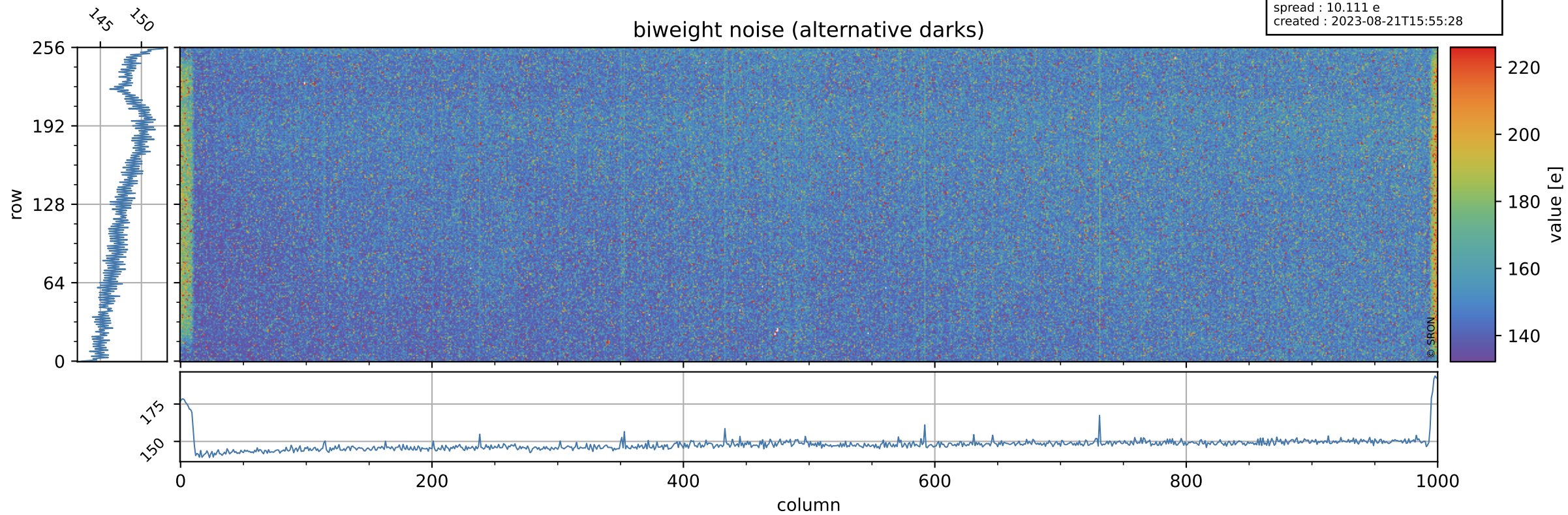
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.111 e  
created : 2023-08-21T15:55:28

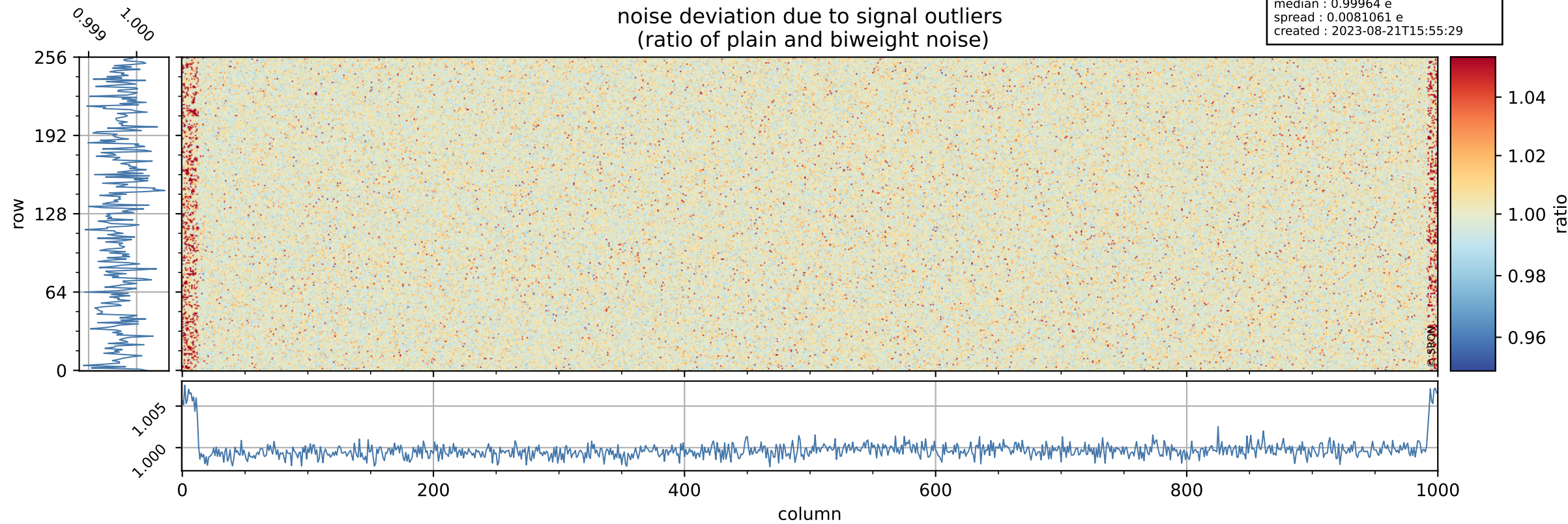
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

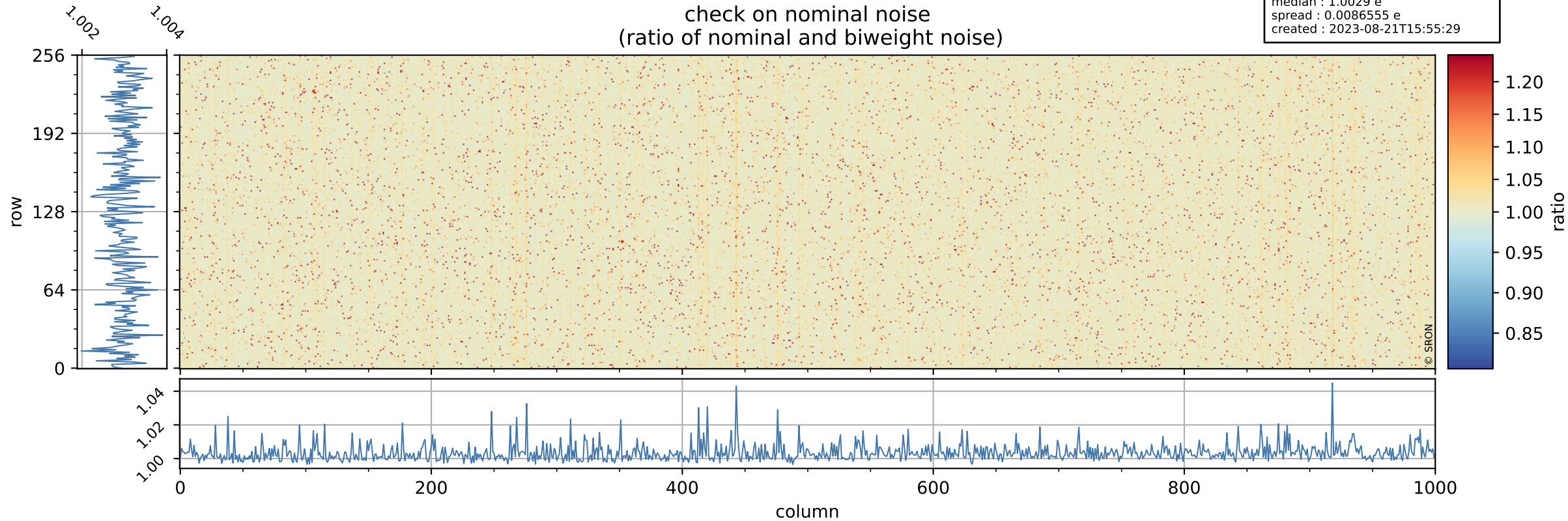
orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
median : 0.99964 e  
spread : 0.0081061 e  
created : 2023-08-21T15:55:29



# Tropomi SWIR background noise (swir)

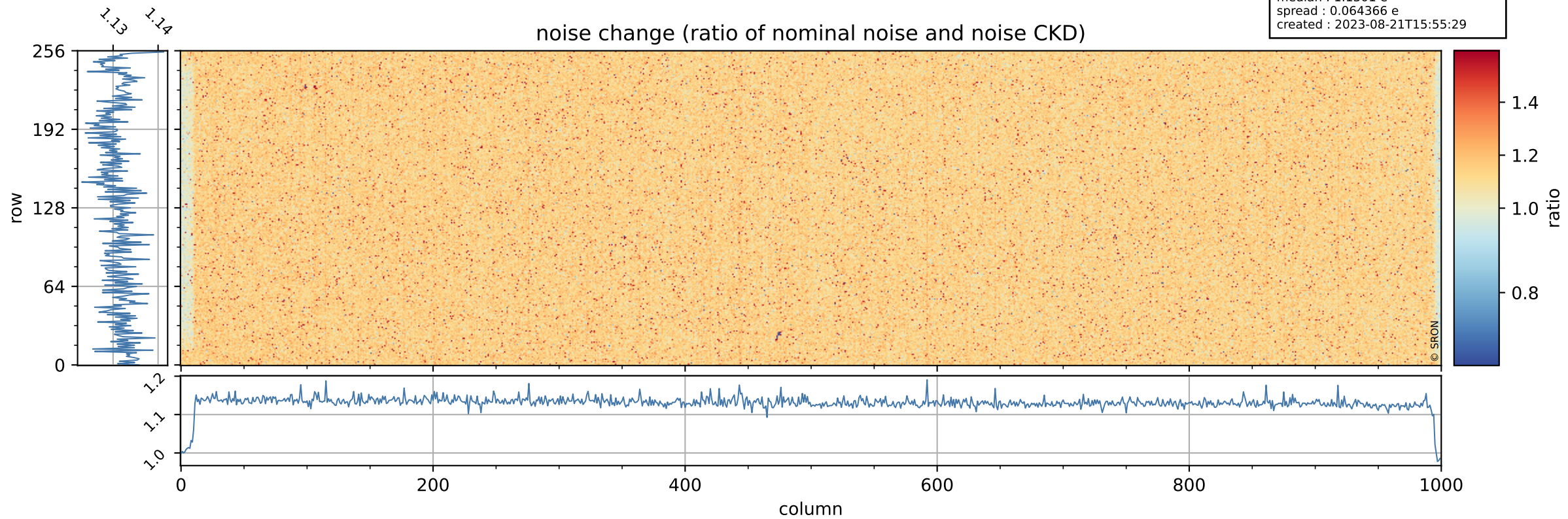
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
median : 1.0029 e  
spread : 0.0086555 e  
created : 2023-08-21T15:55:29



# Tropomi SWIR background noise (swir)

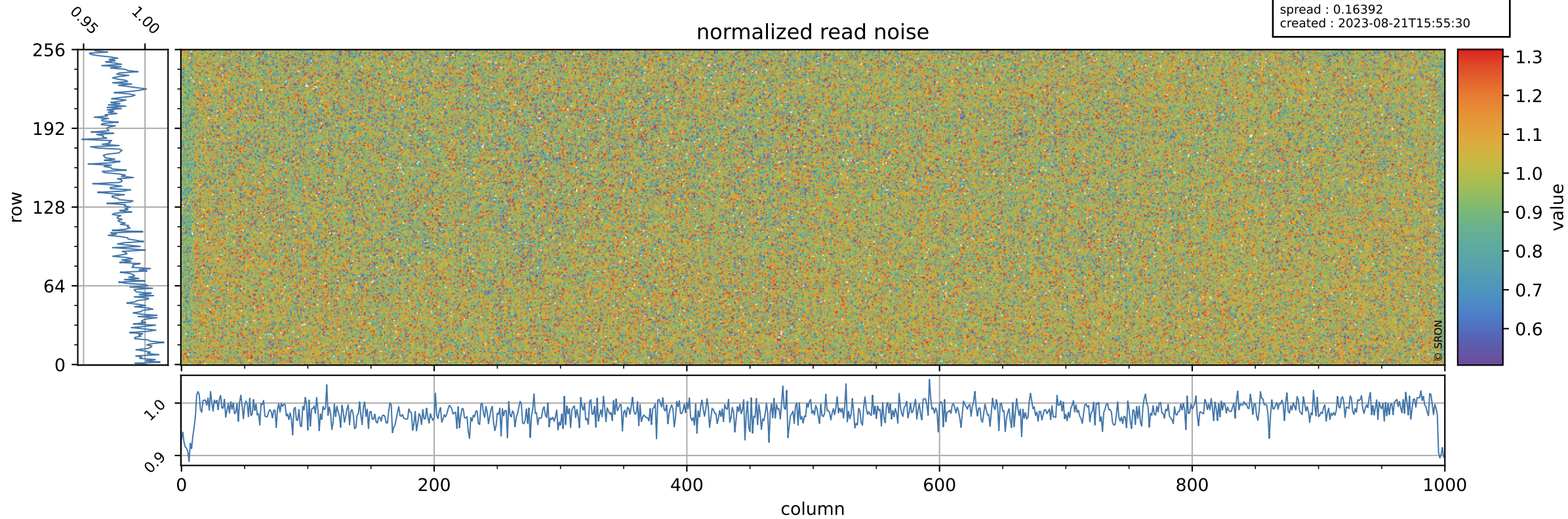
orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
median : 1.1301 e  
spread : 0.064366 e  
created : 2023-08-21T15:55:29



# Tropomi SWIR background noise (swir)

orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
median : 0.9821  
spread : 0.16392  
created : 2023-08-21T15:55:30

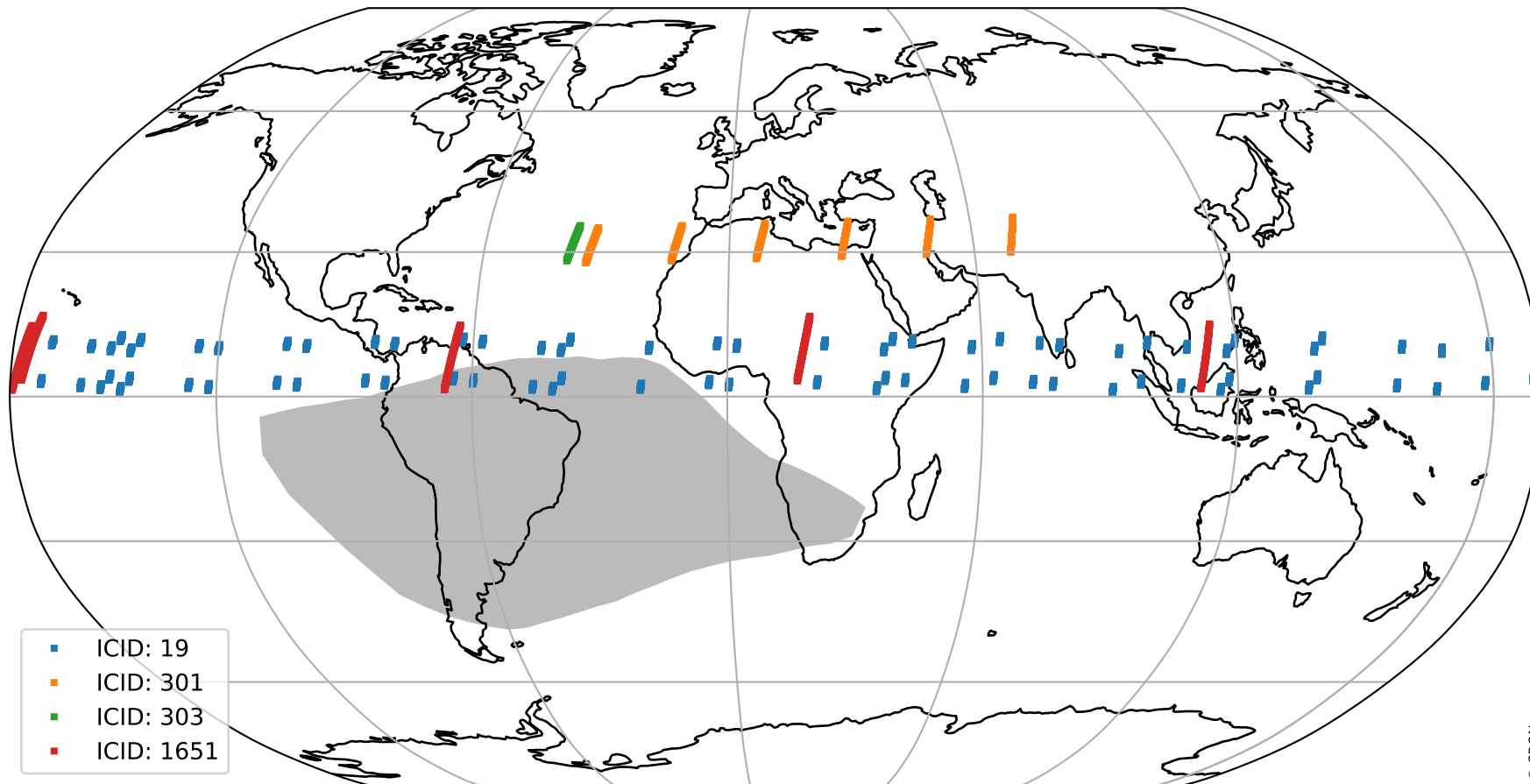
## normalized read noise





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

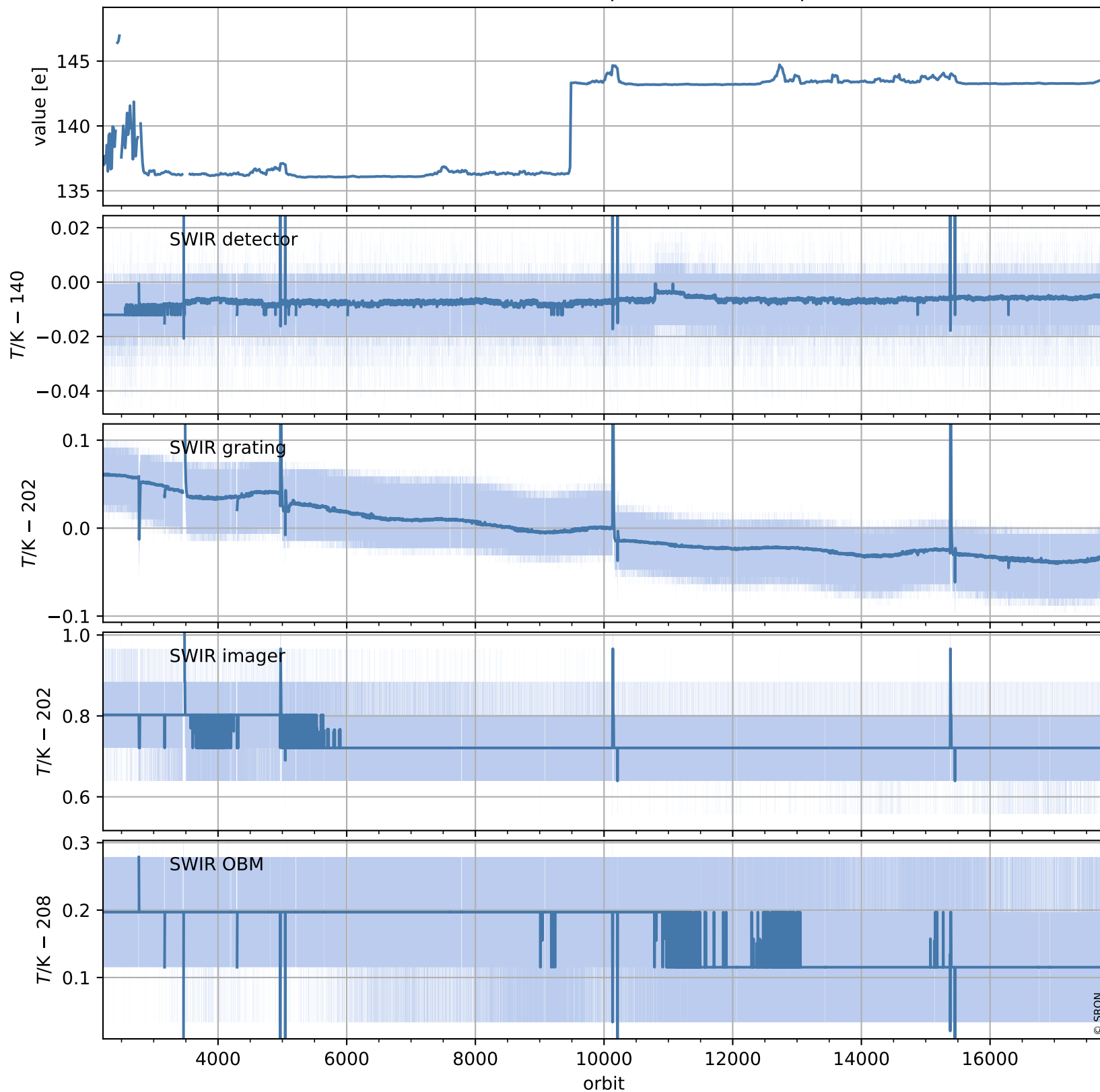
orbits : 12 in [17692, 17782]  
coverage : 2021-03-13 / 2021-03-19  
created : 2023-08-21T15:55:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 17782]  
coverage : 2018-03-18 / 2021-03-19  
created : 2023-08-21T15:55:30

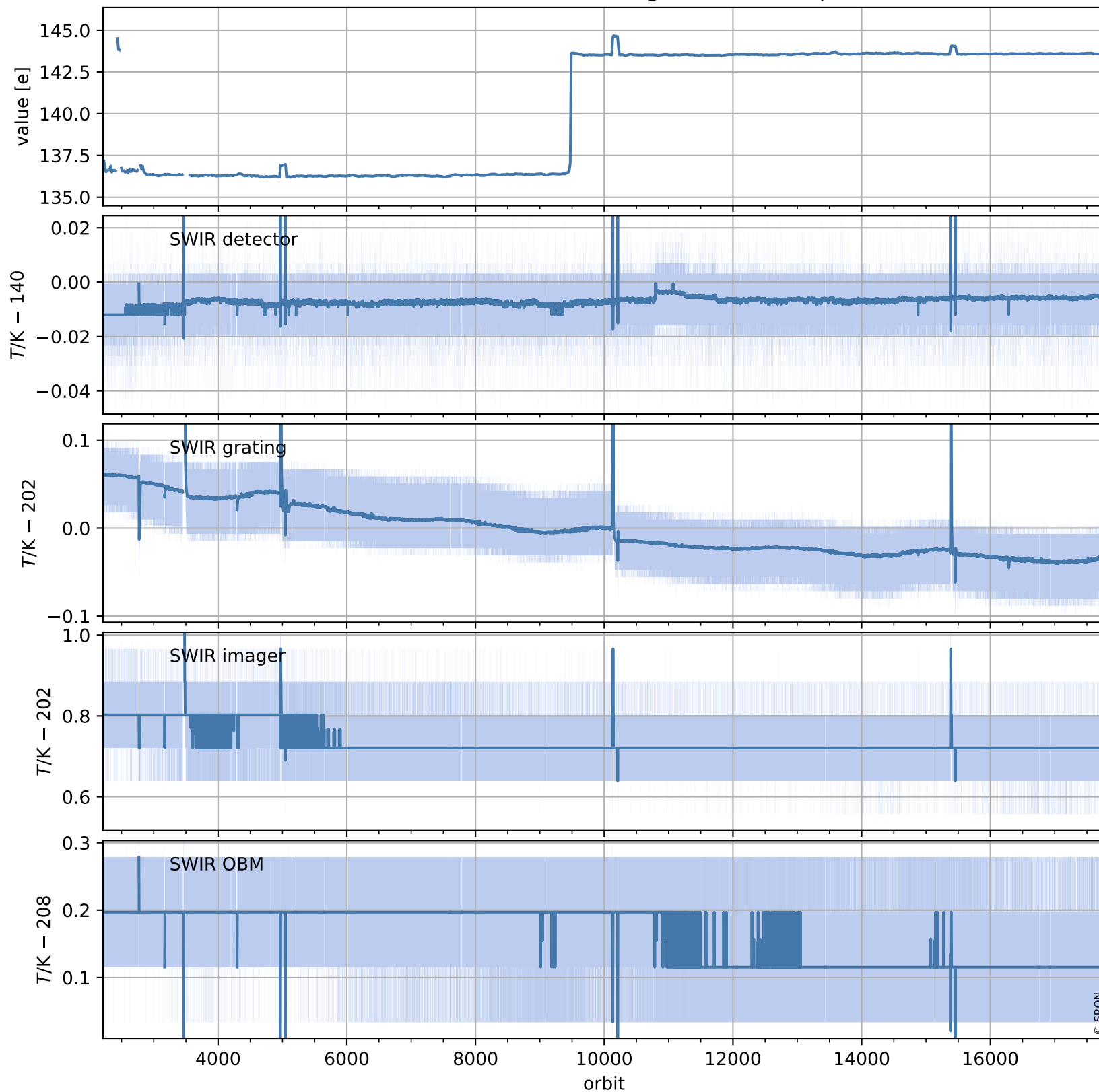
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17782]  
coverage : 2018-03-18 / 2021-03-19  
created : 2023-08-21T15:55:31

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17782]  
coverage : 2018-03-18 / 2021-03-19  
created : 2023-08-21T15:55:32

## trend of normalized read-noise & temperatures

