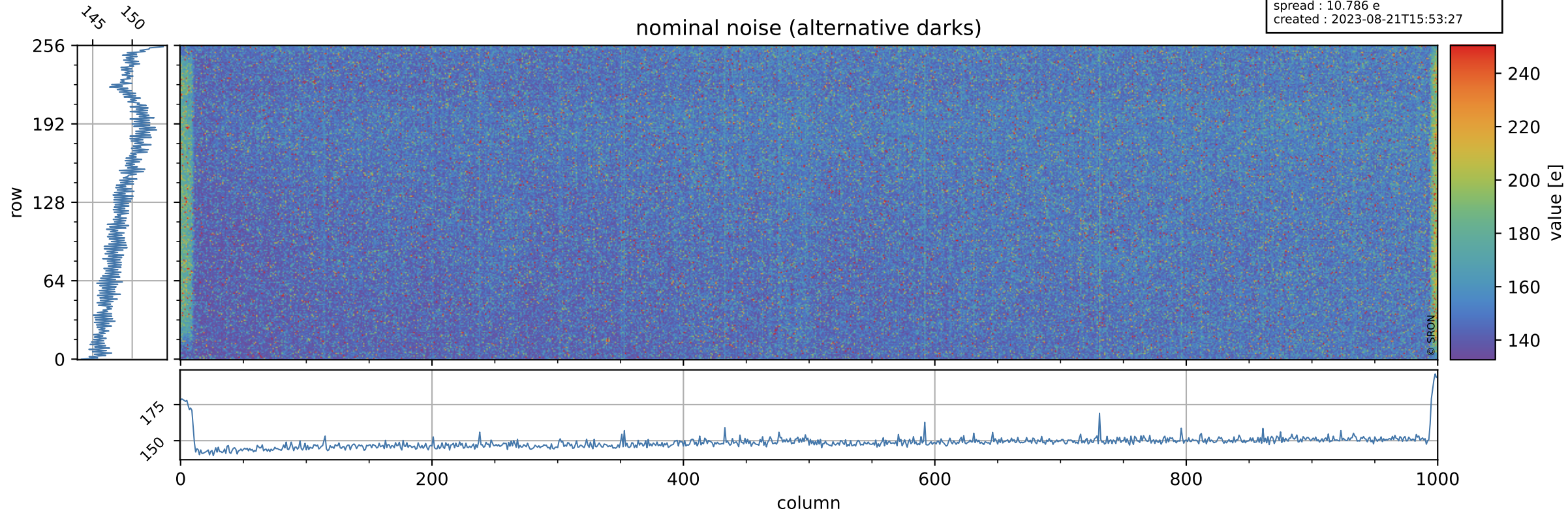


# Tropomi SWIR background noise (swir)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.786 e  
created : 2023-08-21T15:53:27

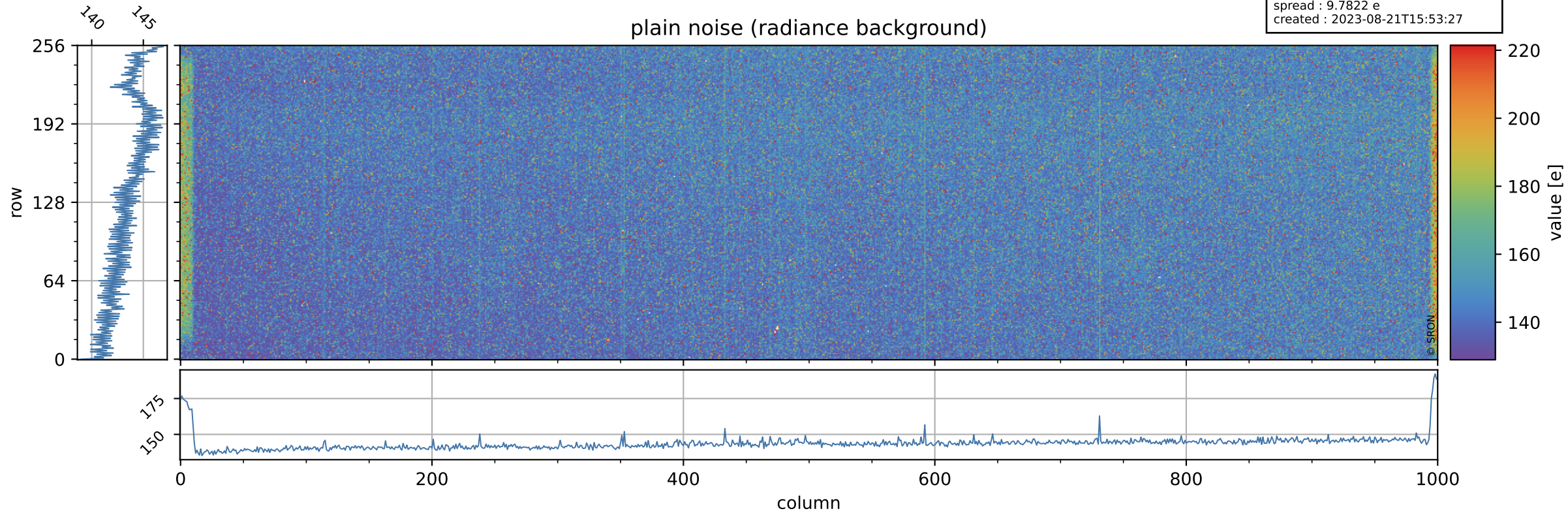
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7822 e  
created : 2023-08-21T15:53:27

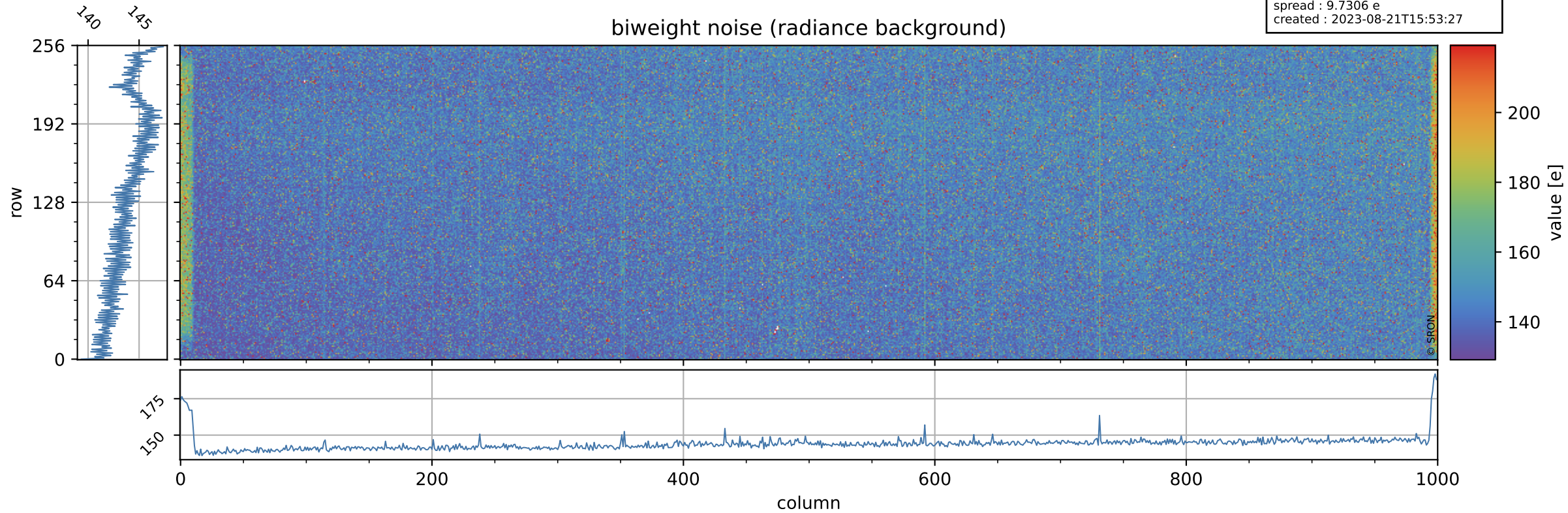
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.7306 e  
created : 2023-08-21T15:53:27

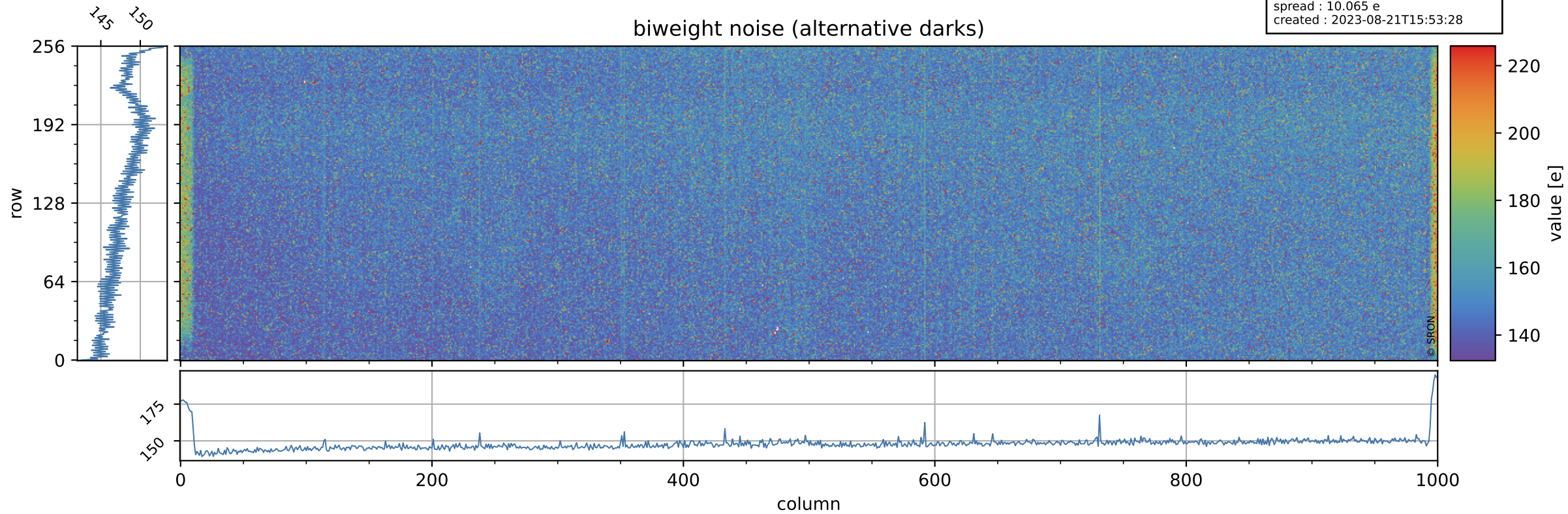
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.065 e  
created : 2023-08-21T15:53:28

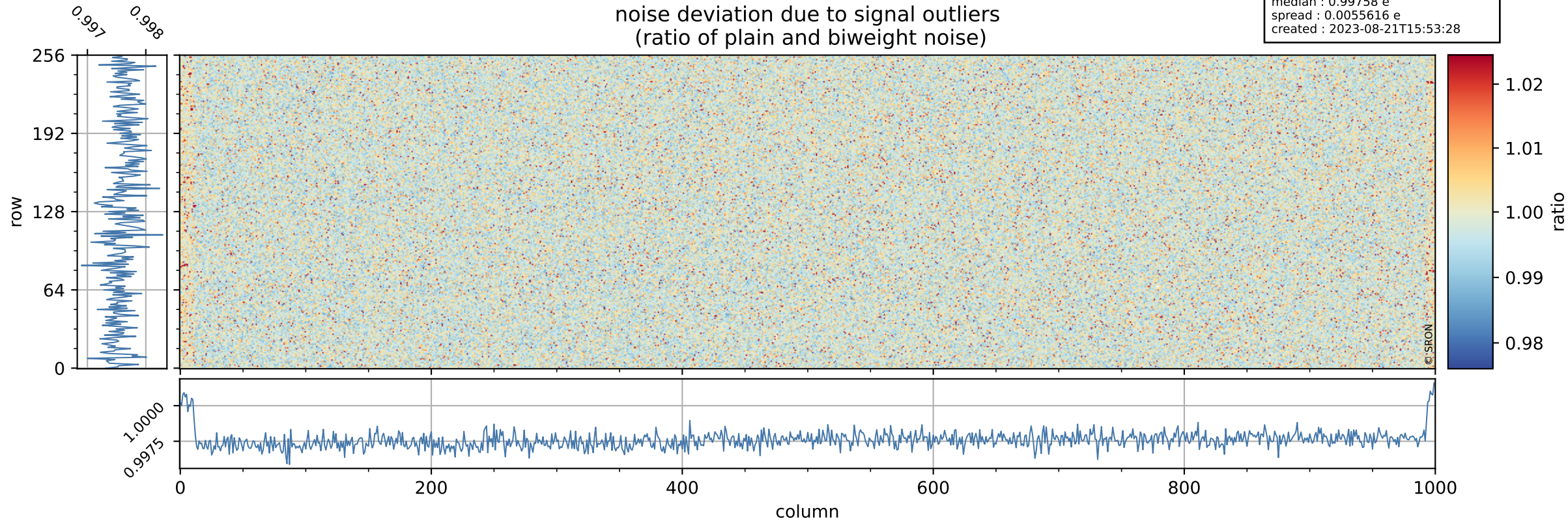
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

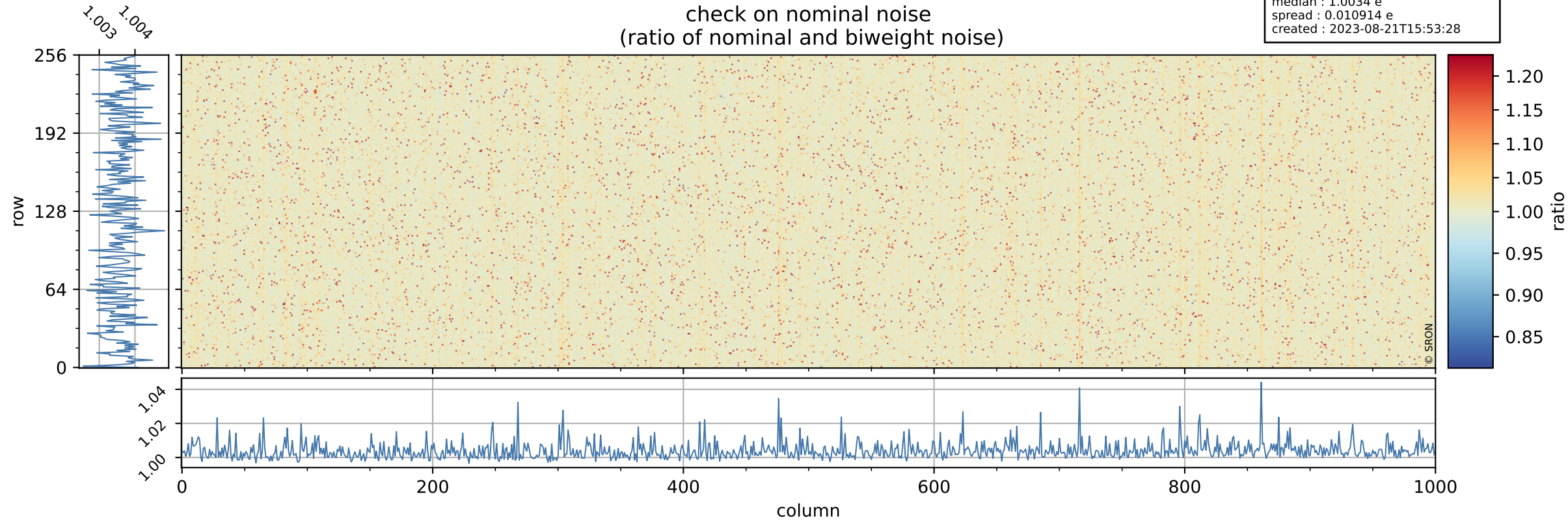
orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
median : 0.99758 e  
spread : 0.0055616 e  
created : 2023-08-21T15:53:28



# Tropomi SWIR background noise (swir)

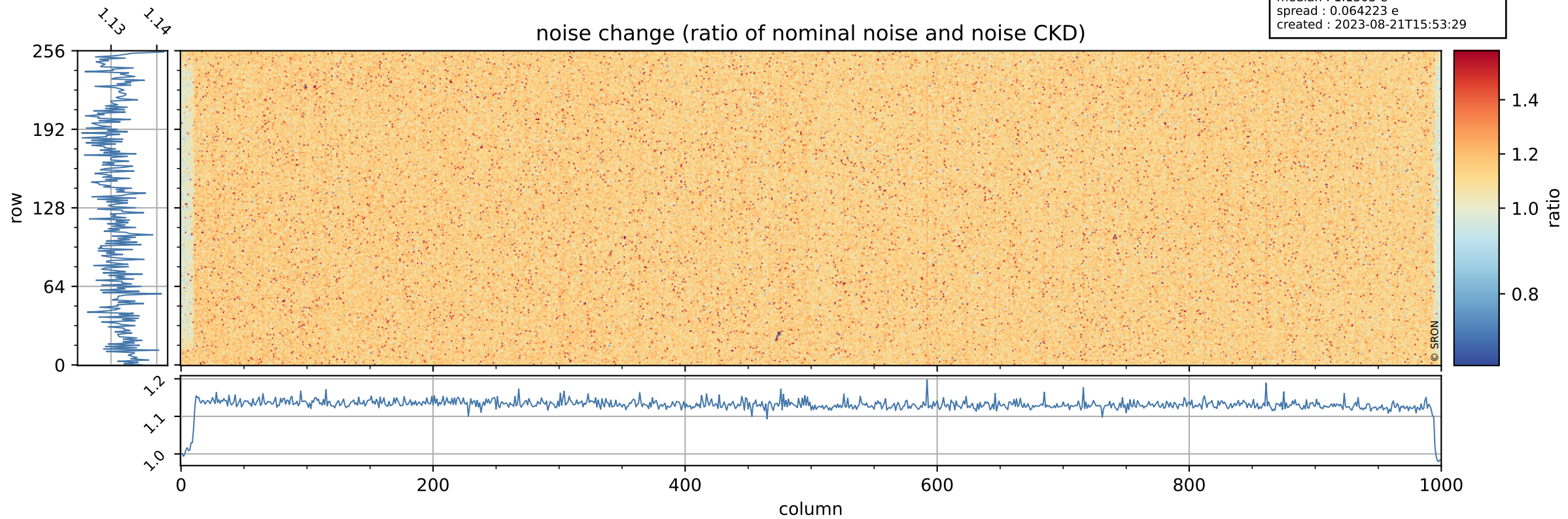
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
median : 1.0034 e  
spread : 0.010914 e  
created : 2023-08-21T15:53:28



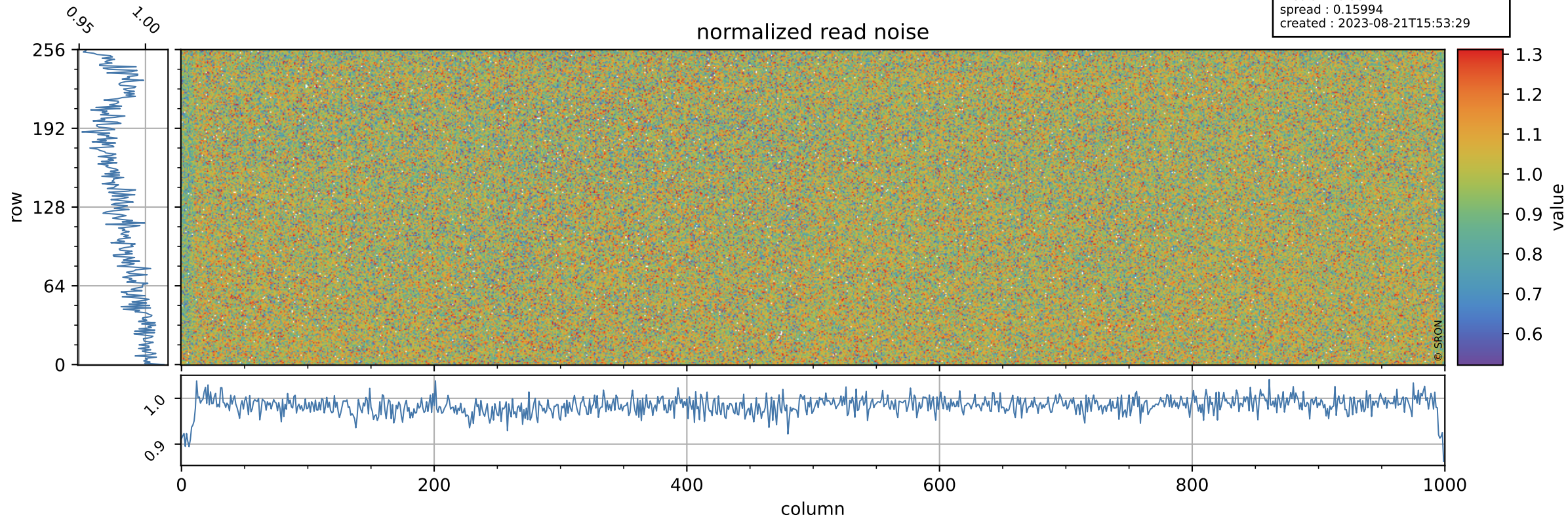
# Tropomi SWIR background noise (swir)

orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
median : 1.1303 e  
spread : 0.064223 e  
created : 2023-08-21T15:53:29



# Tropomi SWIR background noise (swir)

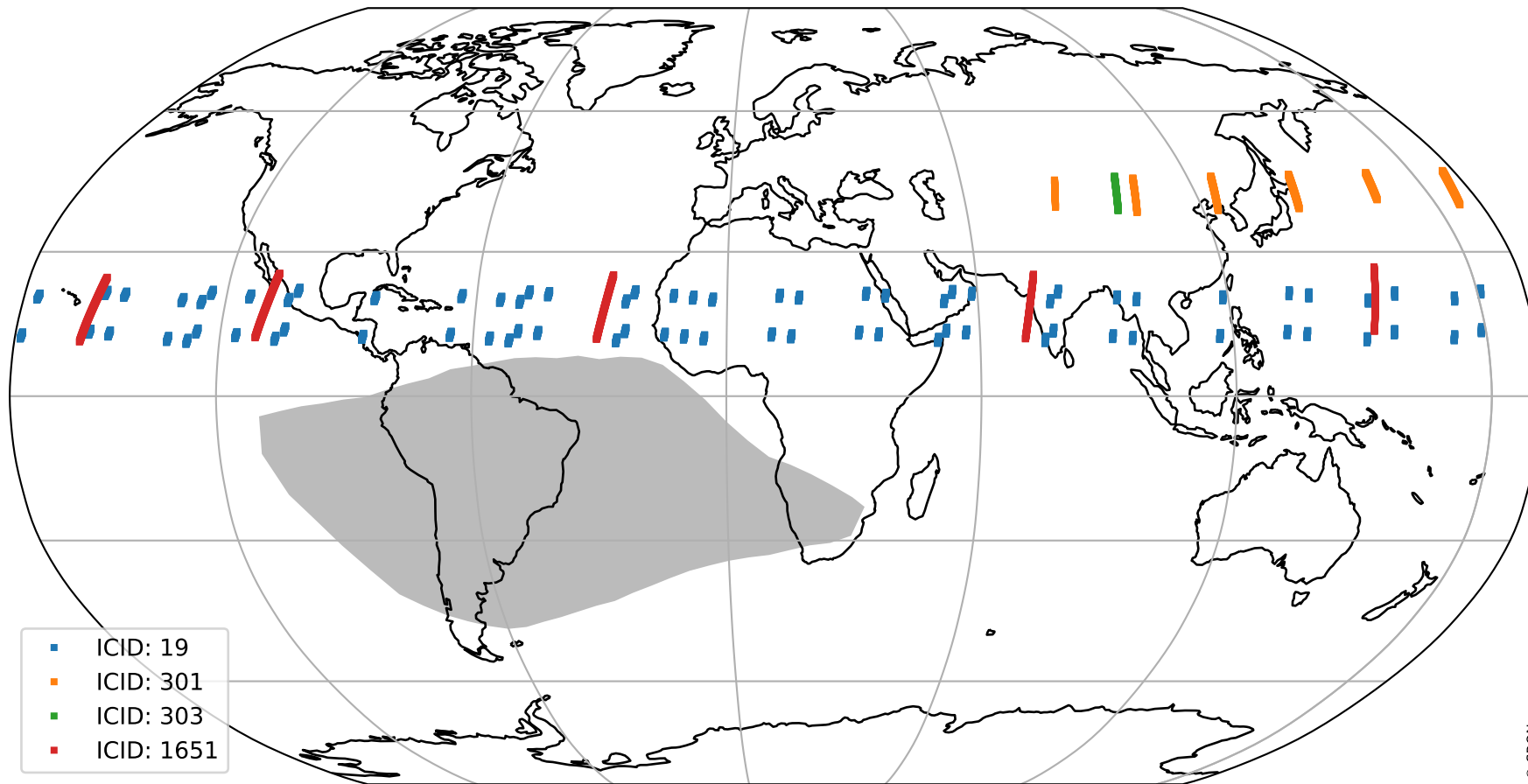
orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
median : 0.98271  
spread : 0.15994  
created : 2023-08-21T15:53:29





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

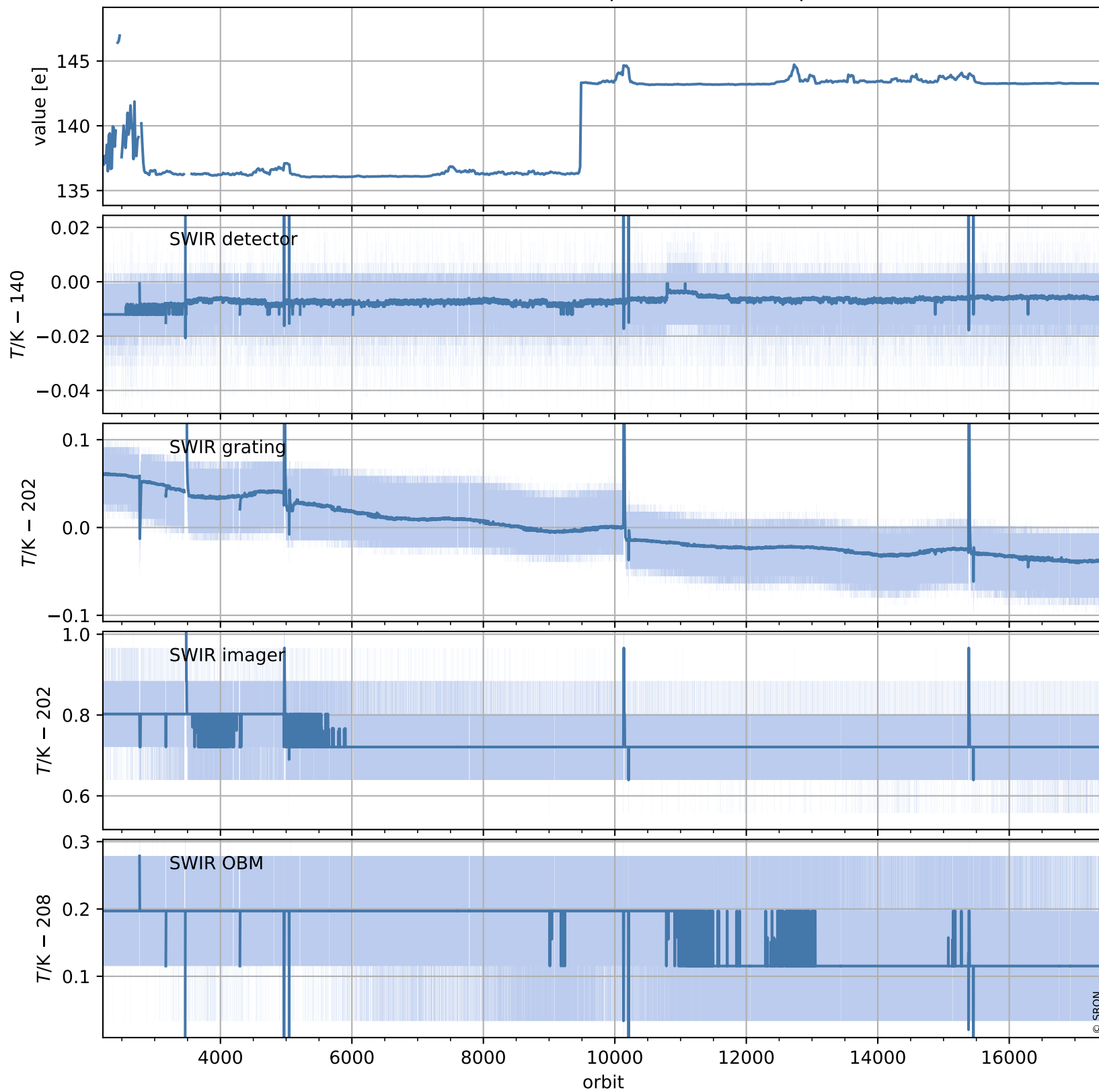
orbits : 12 in [17347, 17437]  
coverage : 2021-02-17 / 2021-02-23  
created : 2023-08-21T15:53:29



# Tropomi SWIR background noise (swir)

orbits : [2212, 17437]  
coverage : 2018-03-18 / 2021-02-23  
created : 2023-08-21T15:53:29

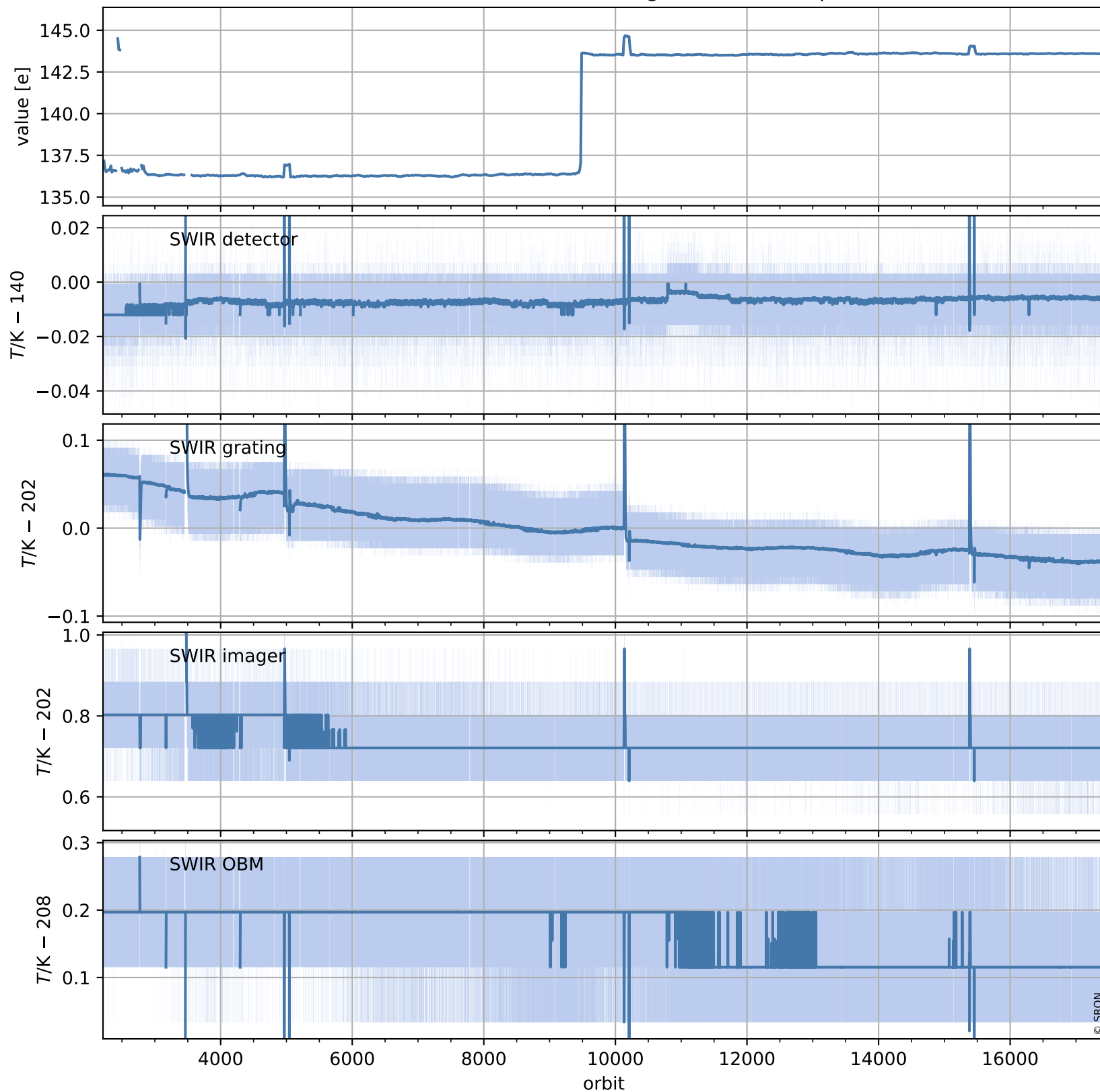
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17437]  
coverage : 2018-03-18 / 2021-02-23  
created : 2023-08-21T15:53:30

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17437]  
coverage : 2018-03-18 / 2021-02-23  
created : 2023-08-21T15:53:31

## trend of normalized read-noise & temperatures

