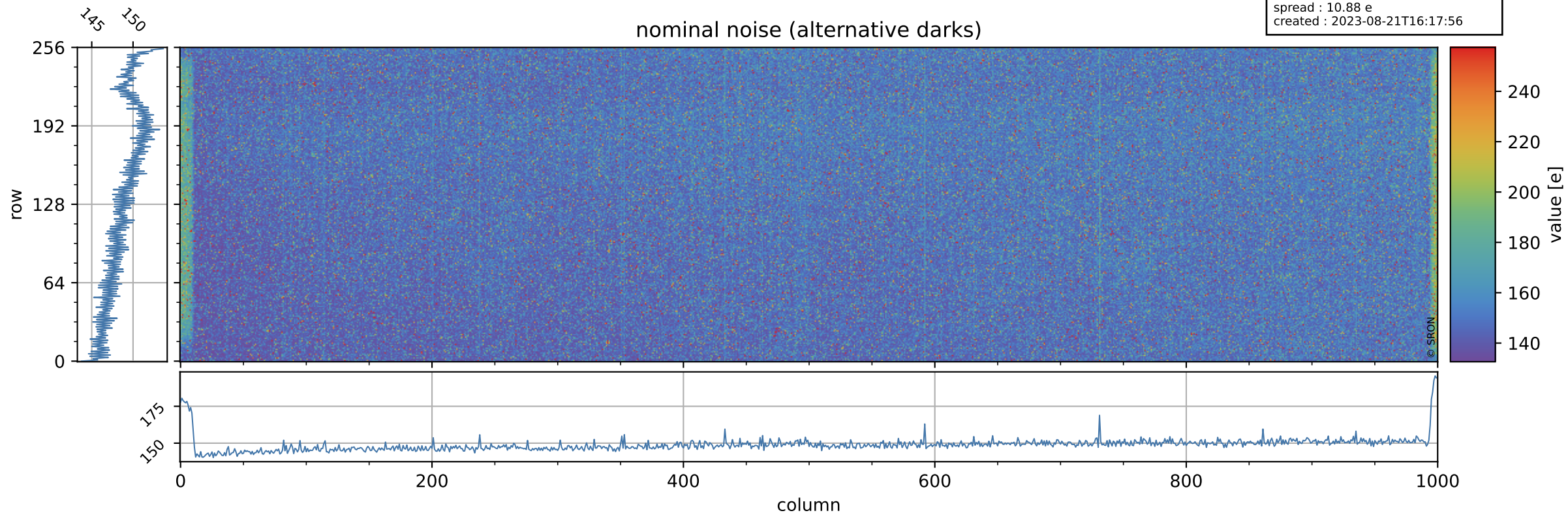


# Tropomi SWIR background noise (swir)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.75 e  
spread : 10.88 e  
created : 2023-08-21T16:17:56

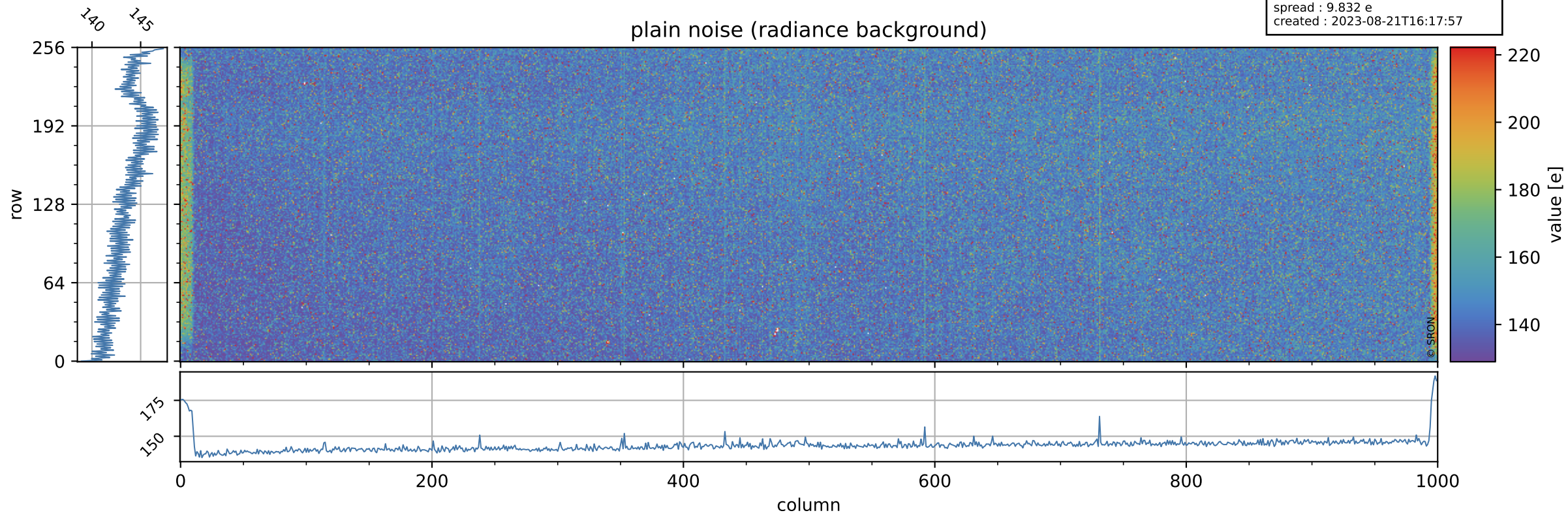
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.46 e  
spread : 9.832 e  
created : 2023-08-21T16:17:57

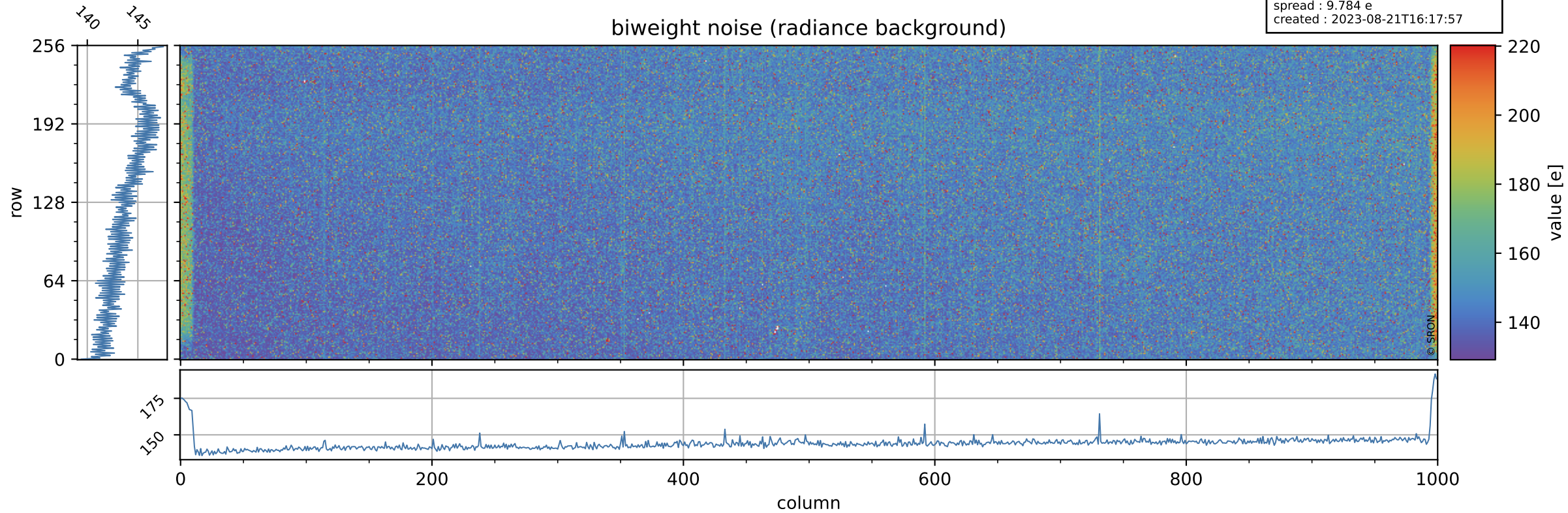
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.784 e  
created : 2023-08-21T16:17:57

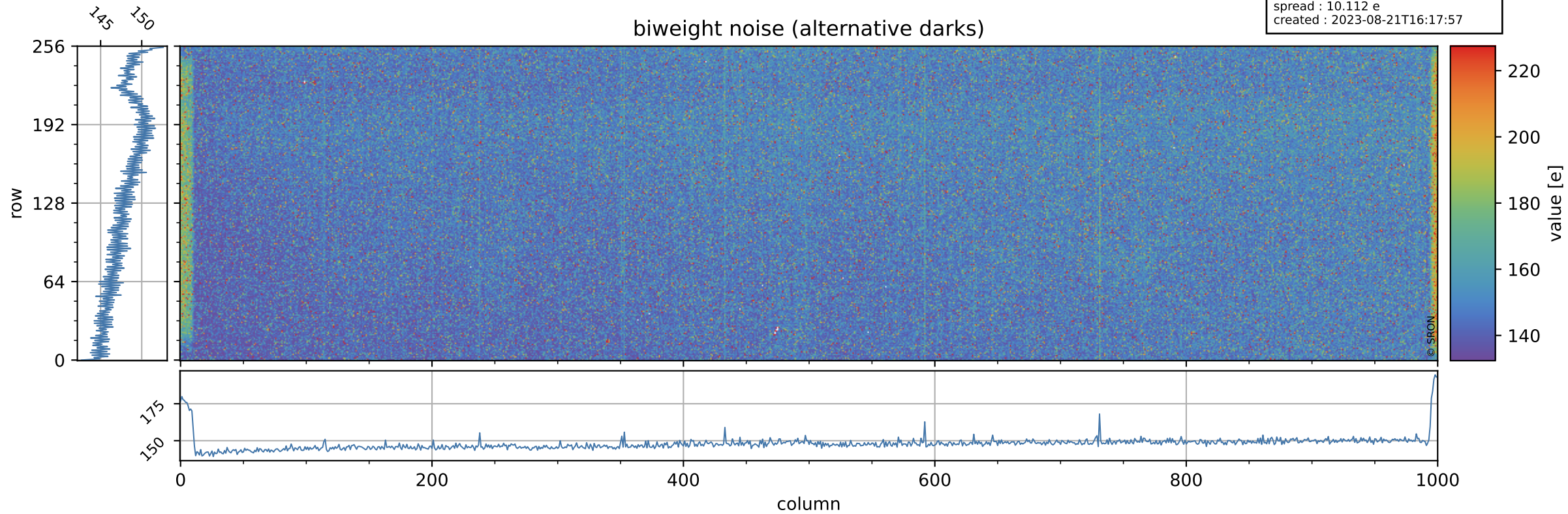
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.112 e  
created : 2023-08-21T16:17:57

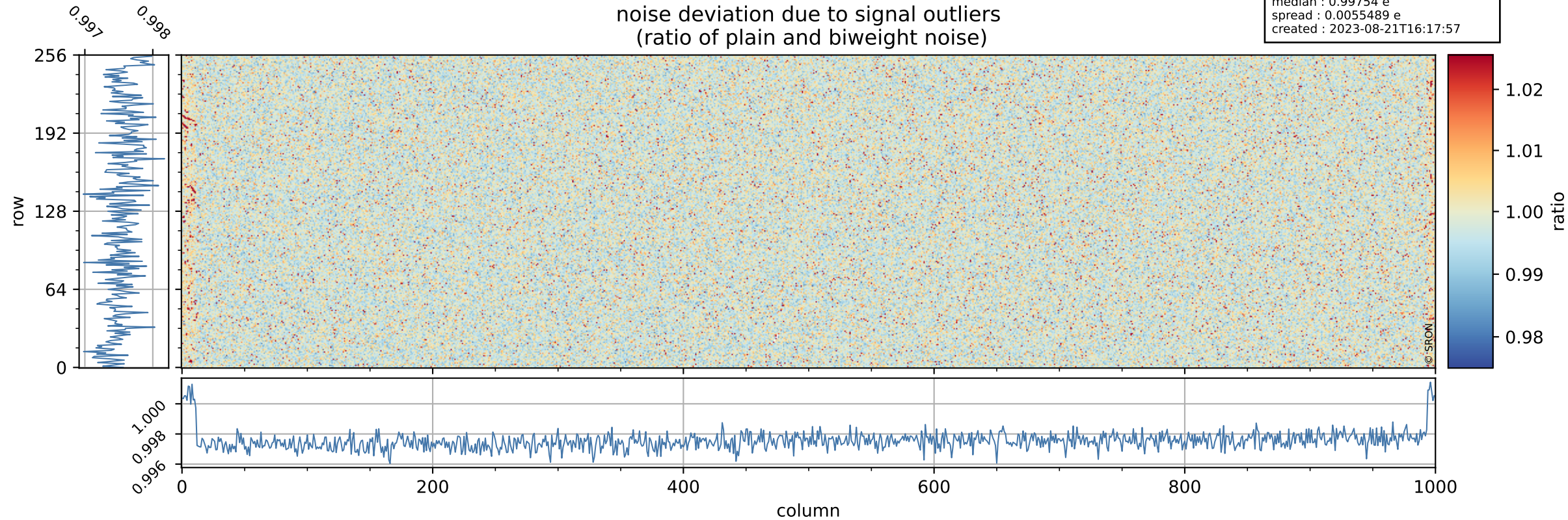
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

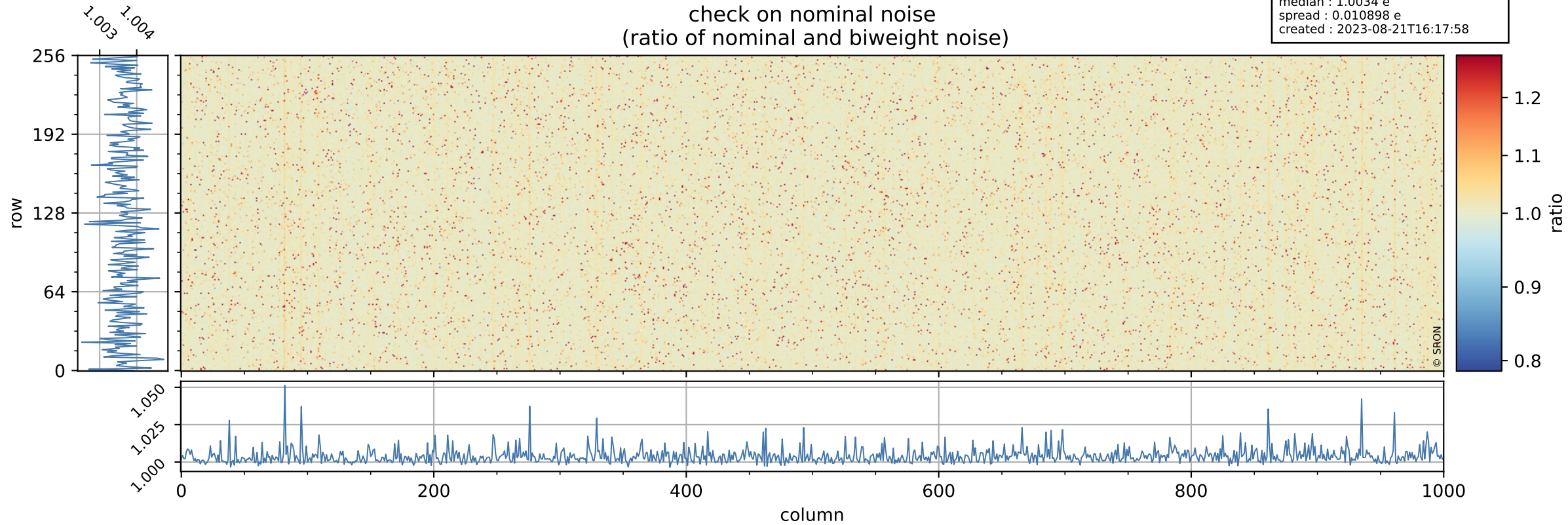
orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
median : 0.99754 e  
spread : 0.0055489 e  
created : 2023-08-21T16:17:57



# Tropomi SWIR background noise (swir)

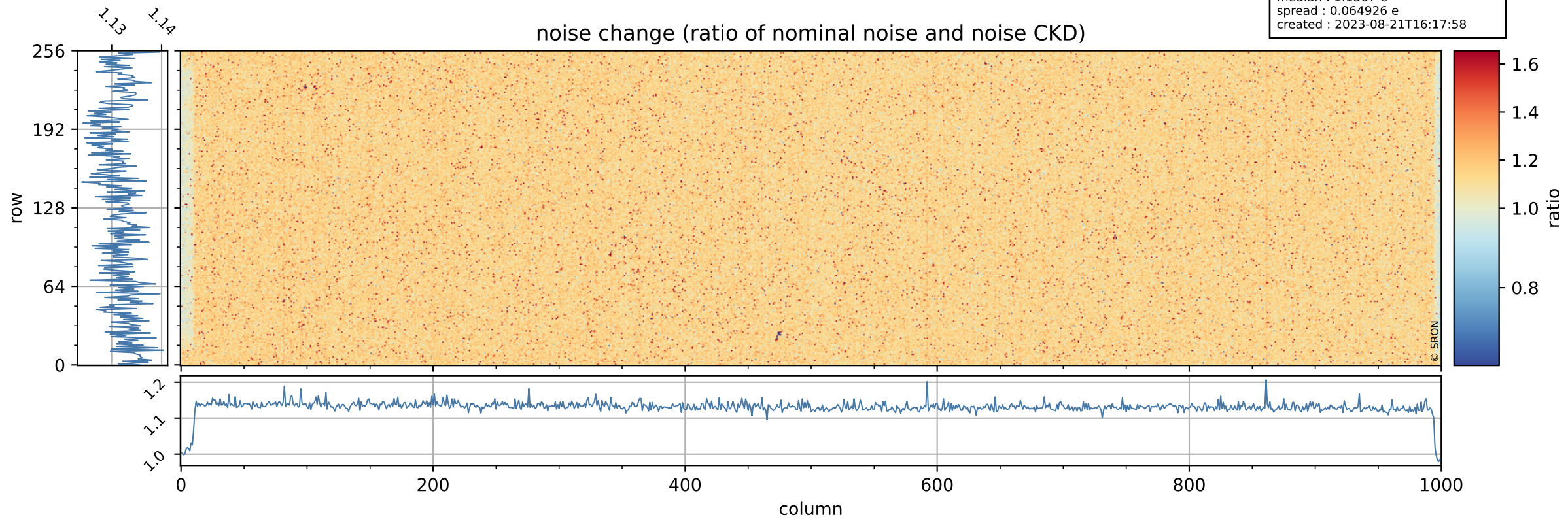
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
median : 1.0034 e  
spread : 0.010898 e  
created : 2023-08-21T16:17:58



# Tropomi SWIR background noise (swir)

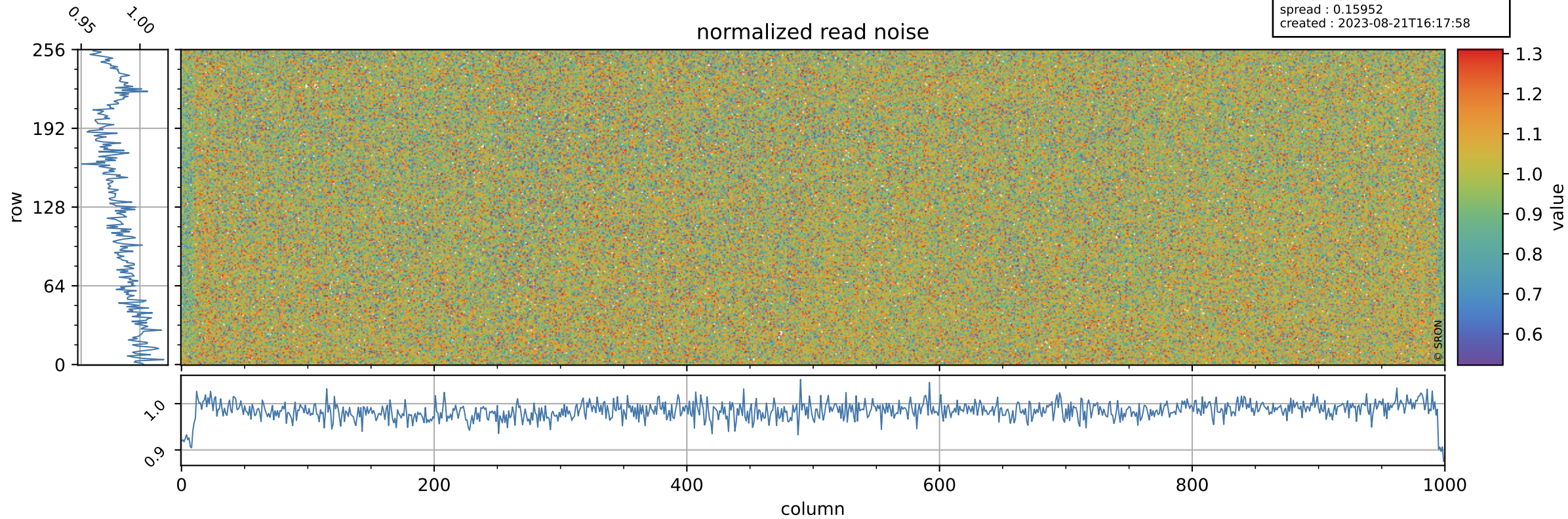
orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
median : 1.1307 e  
spread : 0.064926 e  
created : 2023-08-21T16:17:58



# Tropomi SWIR background noise (swir)

orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
median : 0.9825  
spread : 0.15952  
created : 2023-08-21T16:17:58

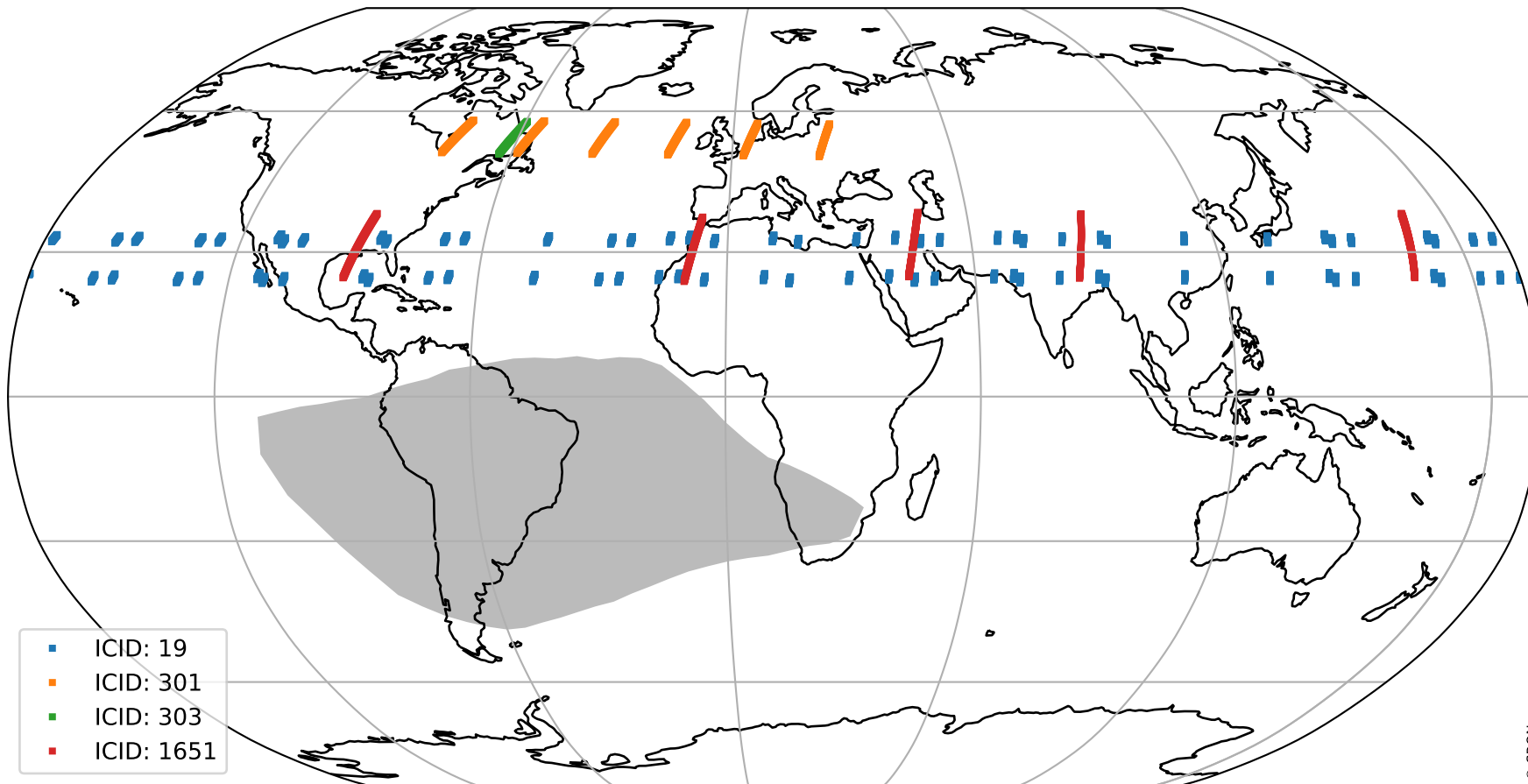
normalized read noise





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

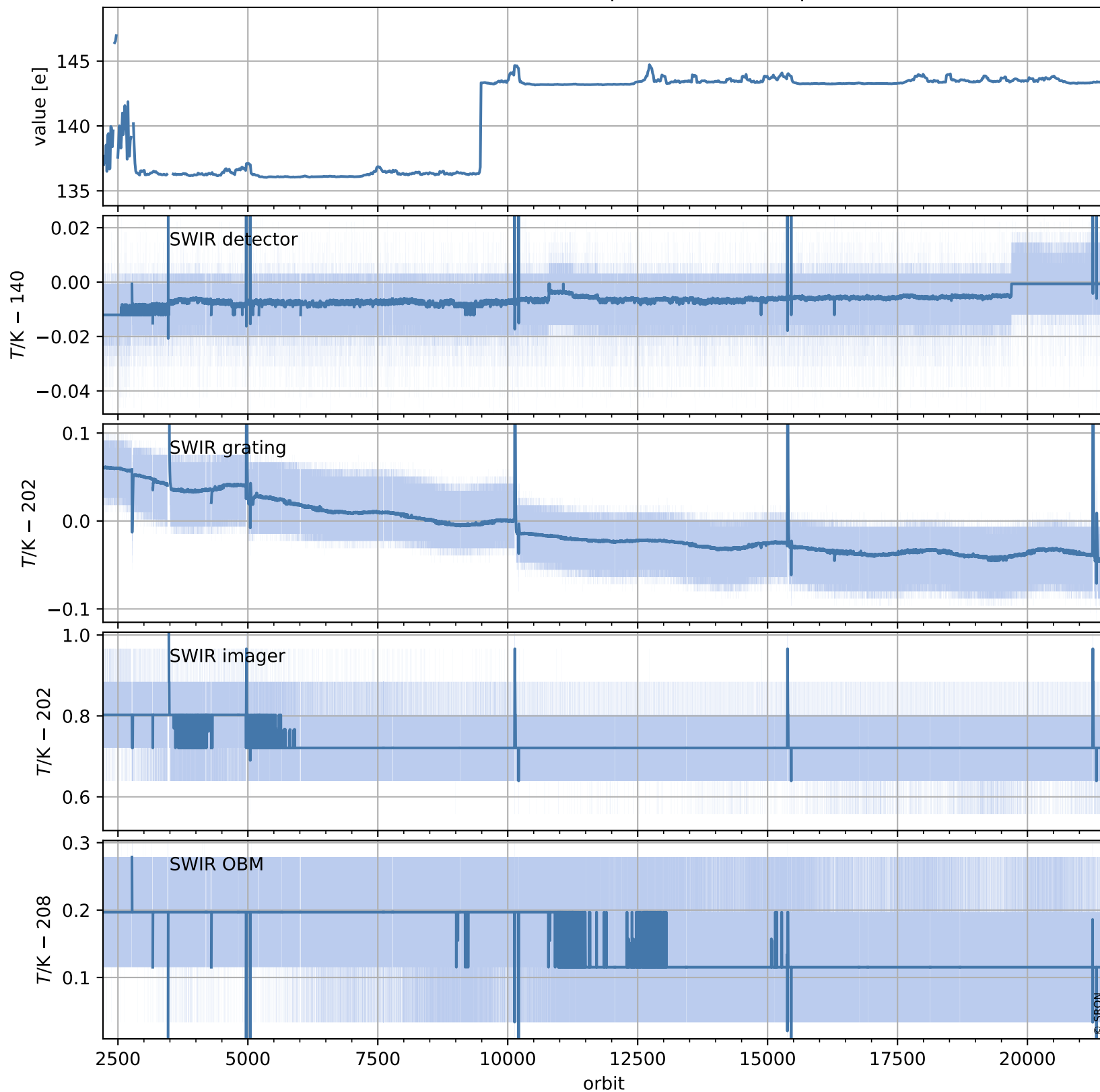
orbits : 12 in [21397, 21487]  
coverage : 2021-11-29 / 2021-12-05  
created : 2023-08-21T16:17:59



# Tropomi SWIR background noise (swir)

orbits : [2212, 21487]  
coverage : 2018-03-18 / 2021-12-05  
created : 2023-08-21T16:17:59

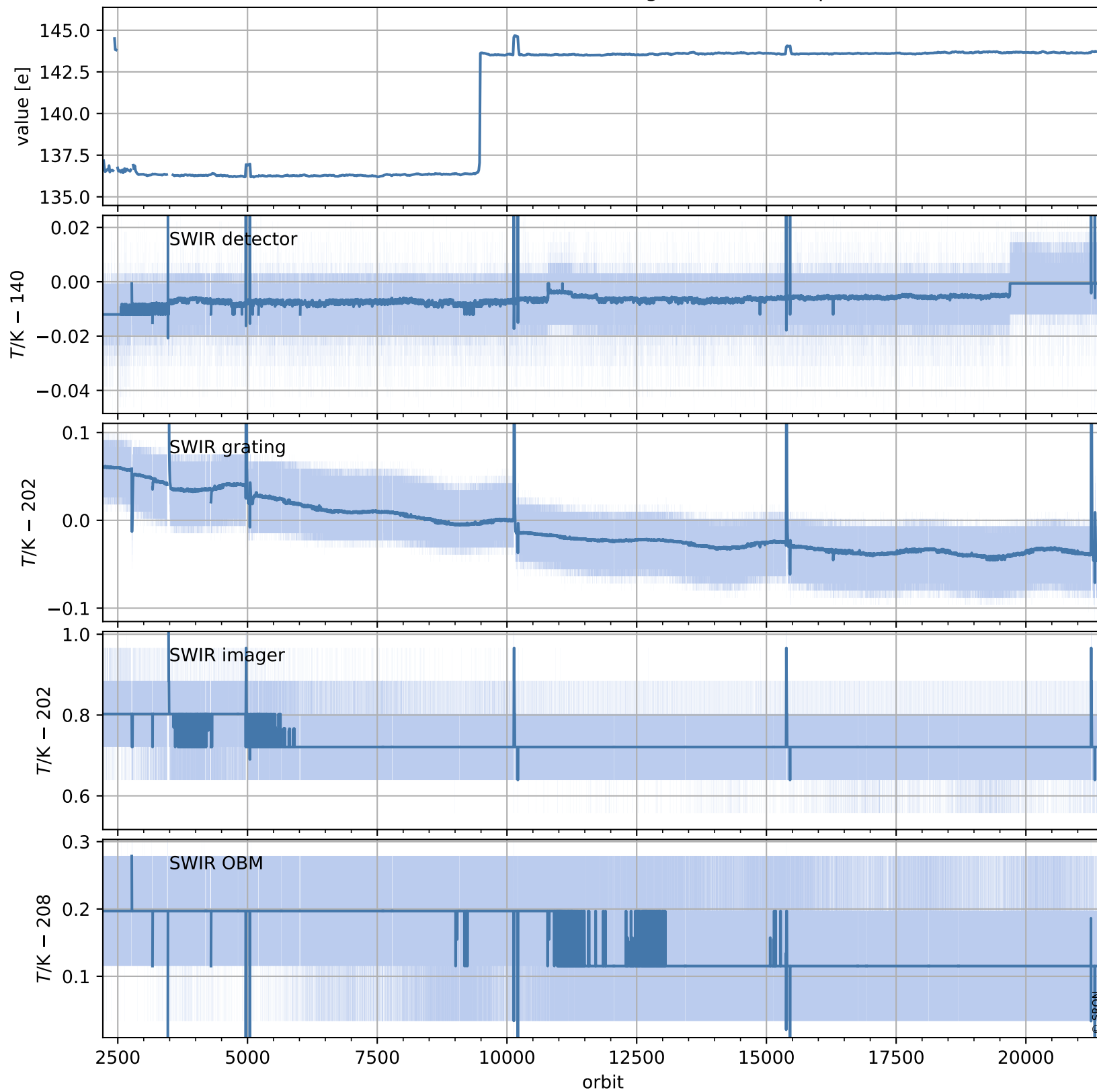
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21487]  
coverage : 2018-03-18 / 2021-12-05  
created : 2023-08-21T16:18:00

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21487]  
coverage : 2018-03-18 / 2021-12-05  
created : 2023-08-21T16:18:01

## trend of normalized read-noise & temperatures

