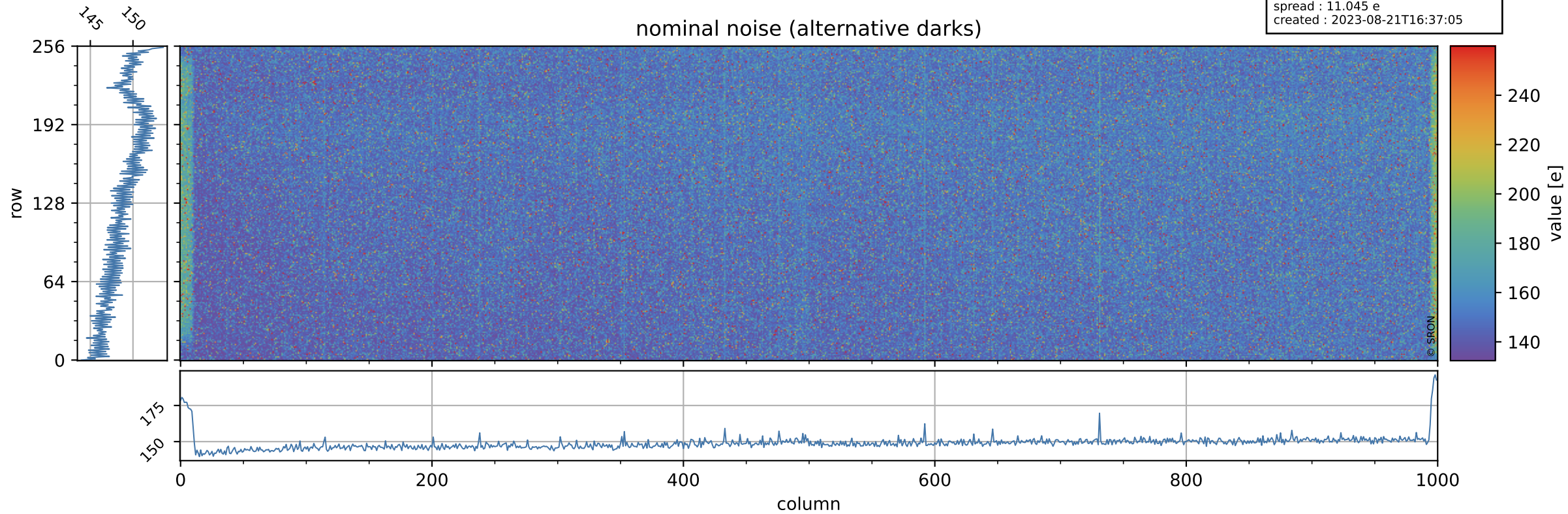


# Tropomi SWIR background noise (swir)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
n\_coad, t\_exp : 1, 1.0783  
median : 148.77 e  
spread : 11.045 e  
created : 2023-08-21T16:37:05

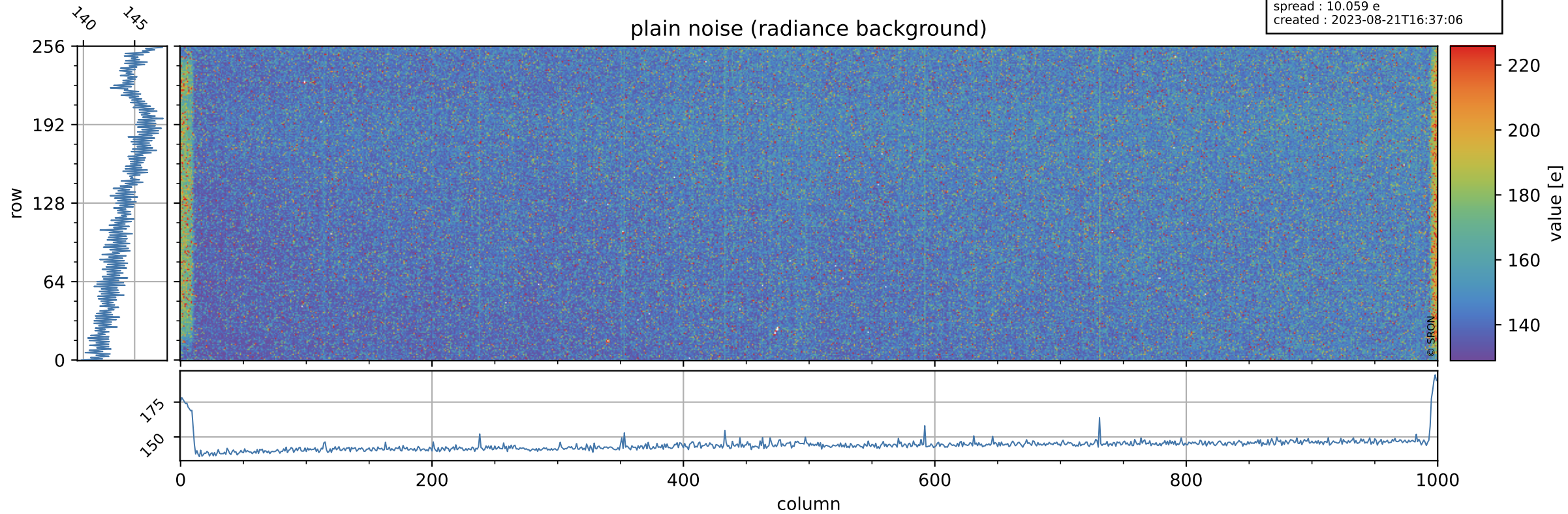
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.97 e  
spread : 10.059 e  
created : 2023-08-21T16:37:06

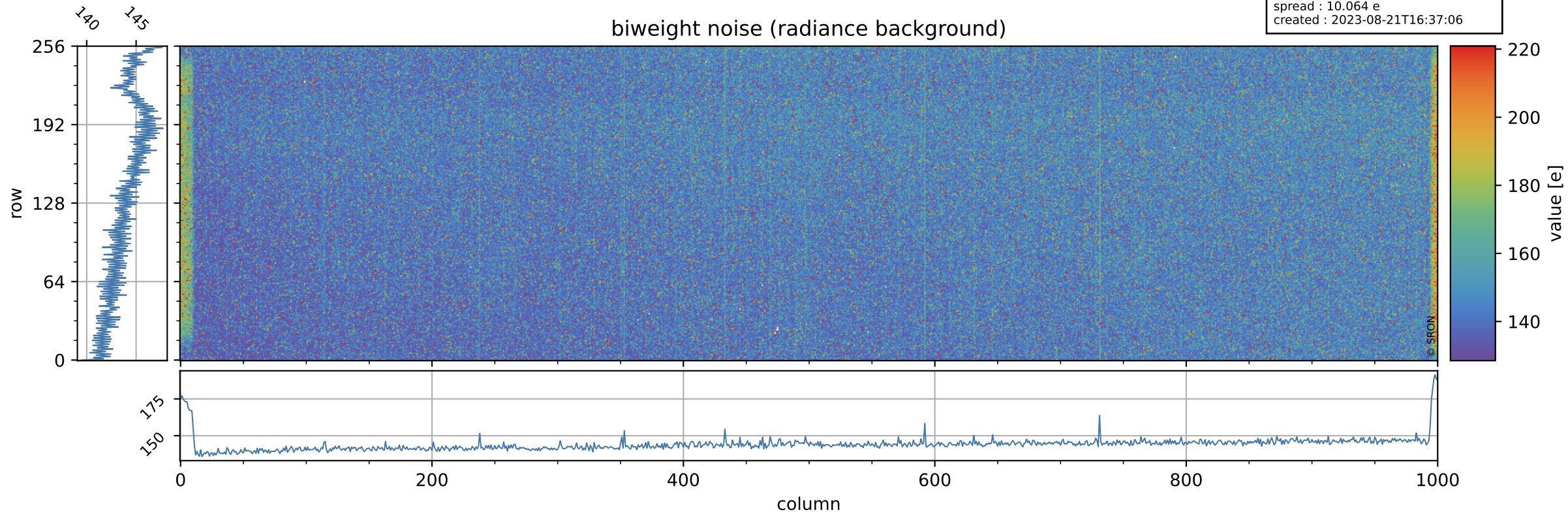
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.88 e  
spread : 10.064 e  
created : 2023-08-21T16:37:06

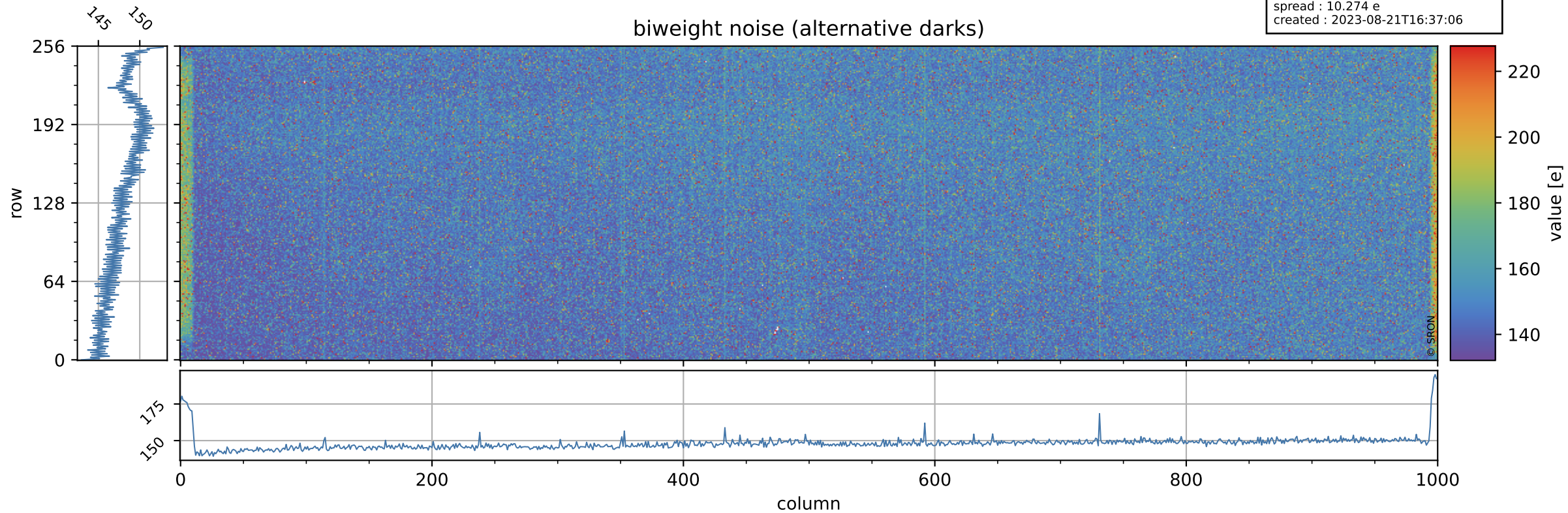
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.274 e  
created : 2023-08-21T16:37:06

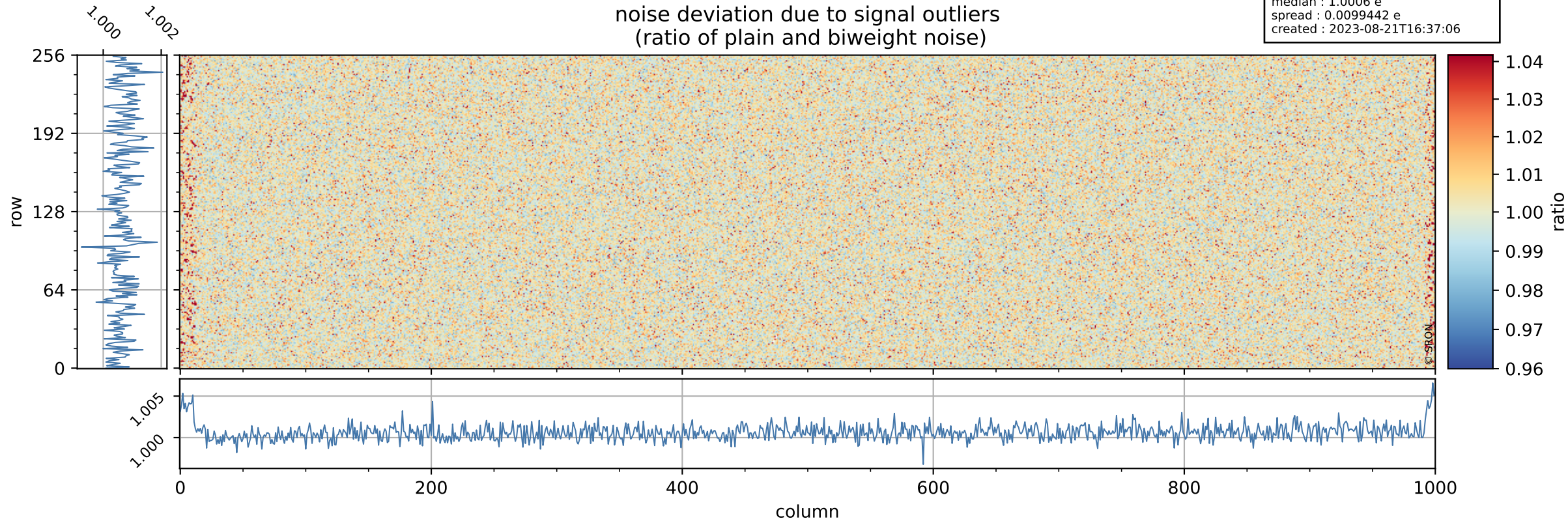
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

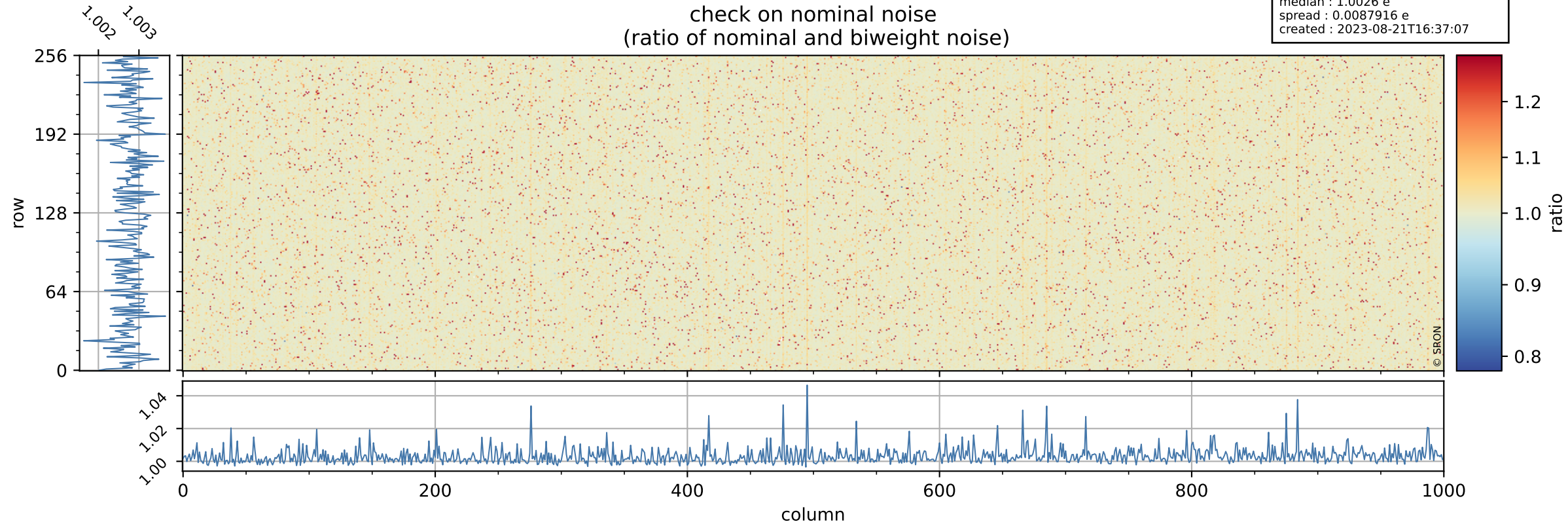
orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
median : 1.0006 e  
spread : 0.0099442 e  
created : 2023-08-21T16:37:06



# Tropomi SWIR background noise (swir)

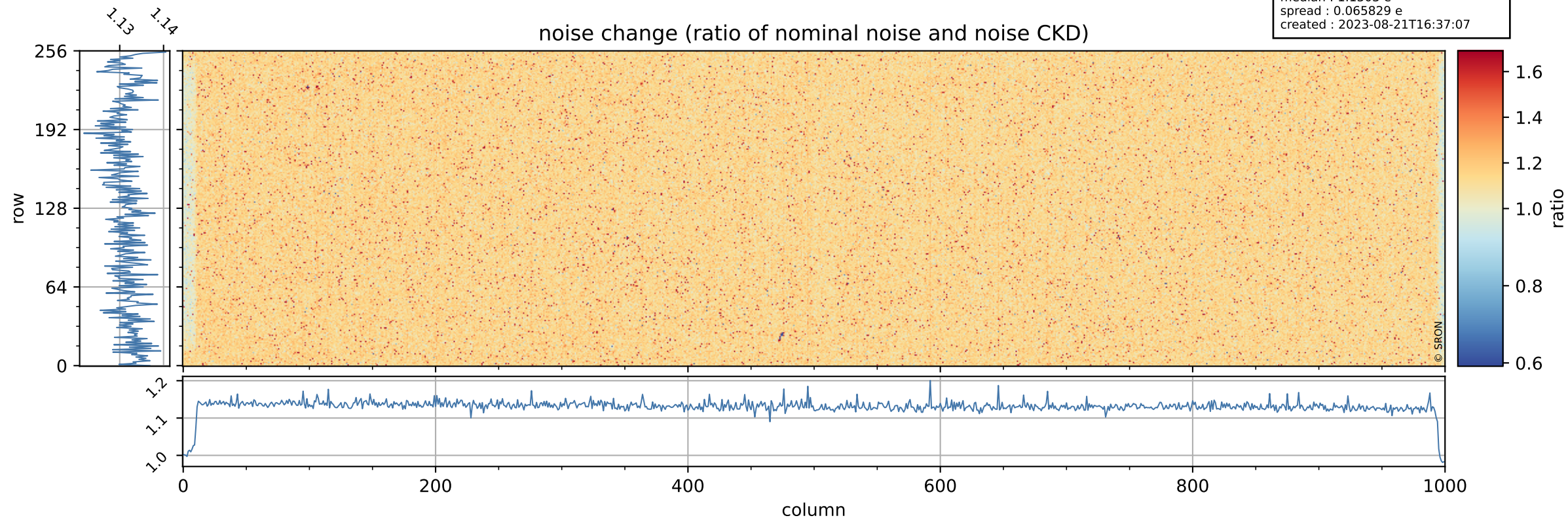
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
median : 1.0026 e  
spread : 0.0087916 e  
created : 2023-08-21T16:37:07



# Tropomi SWIR background noise (swir)

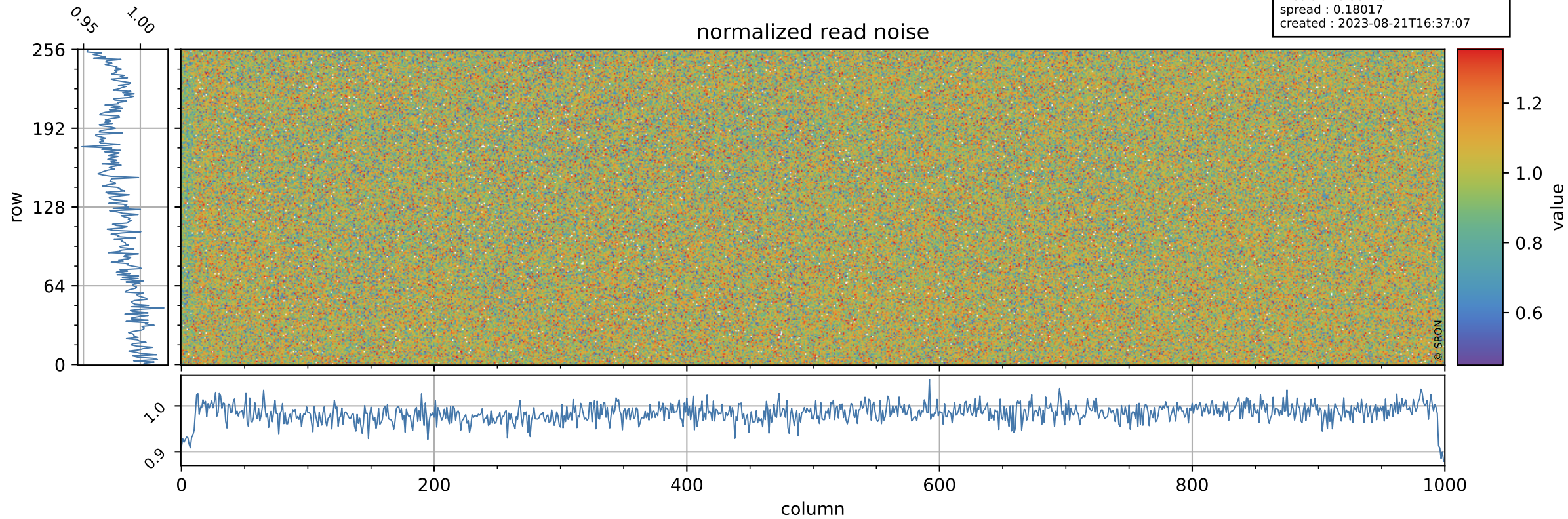
orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
median : 1.1303 e  
spread : 0.065829 e  
created : 2023-08-21T16:37:07



# Tropomi SWIR background noise (swir)

orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
median : 0.98246  
spread : 0.18017  
created : 2023-08-21T16:37:07

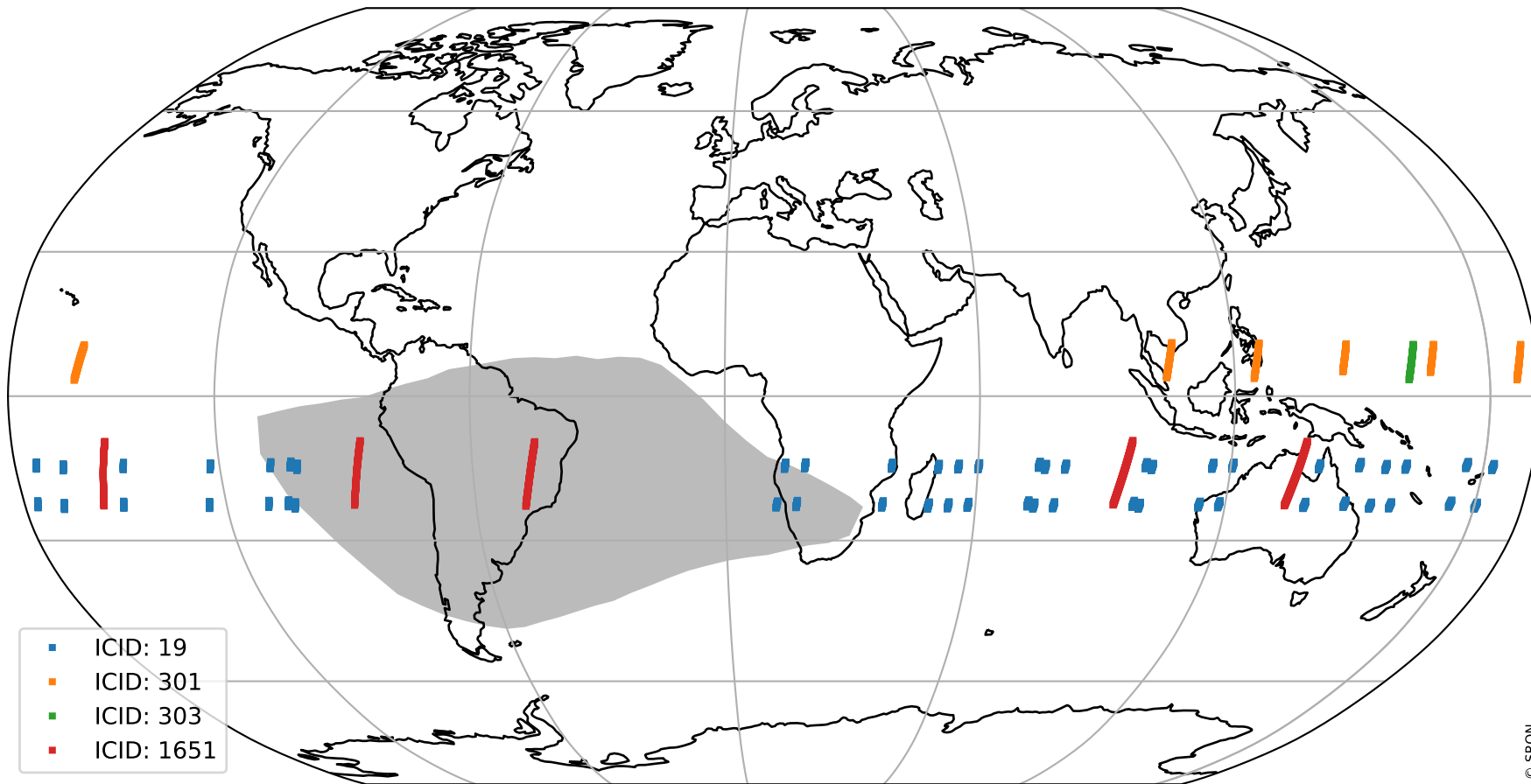
normalized read noise





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

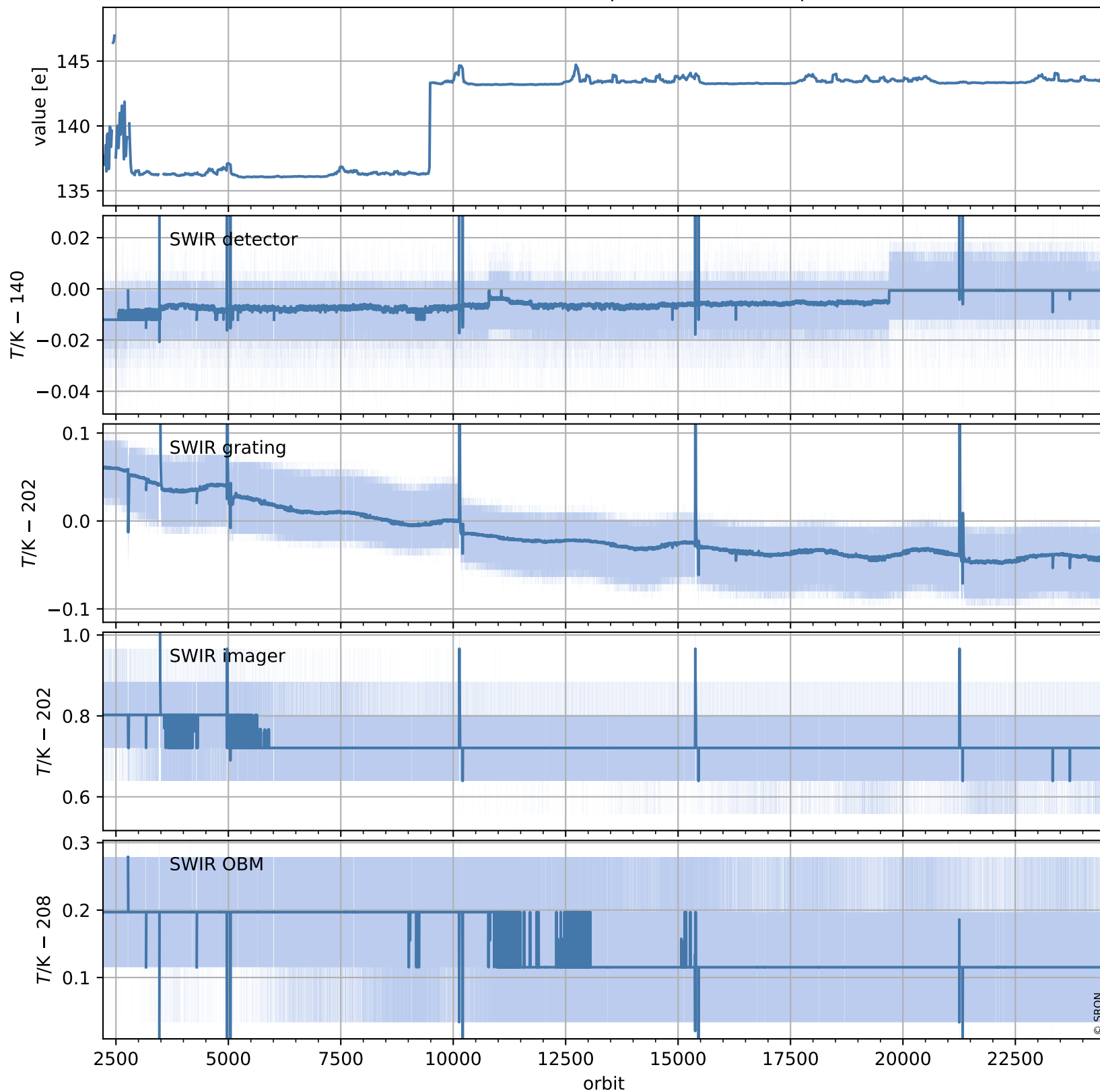
orbits : 13 in [24412, 24487]  
coverage : 2022-06-29 / 2022-07-04  
created : 2023-08-21T16:37:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 24487]  
coverage : 2018-03-18 / 2022-07-04  
created : 2023-08-21T16:37:08

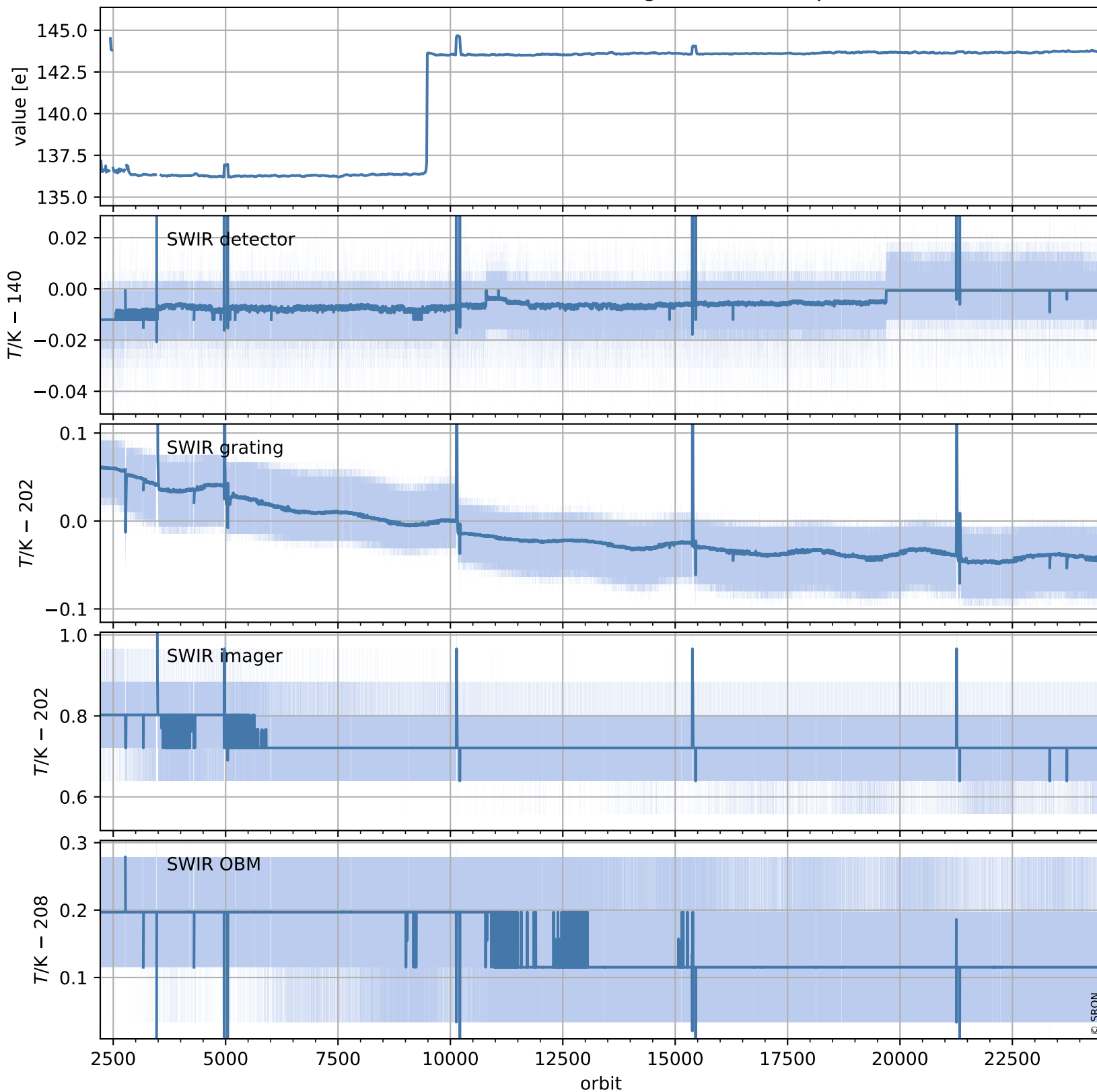
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24487]  
coverage : 2018-03-18 / 2022-07-04  
created : 2023-08-21T16:37:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 24487]  
coverage : 2018-03-18 / 2022-07-04  
created : 2023-08-21T16:37:10

## trend of normalized read-noise & temperatures

