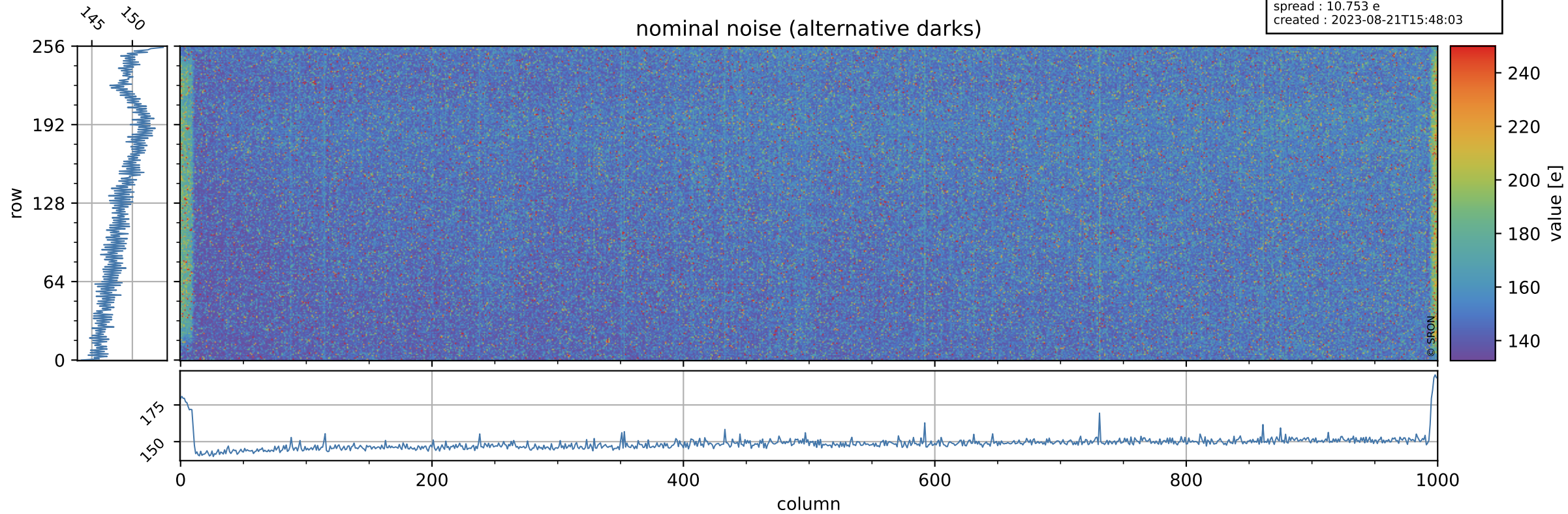


# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.65 e  
spread : 10.753 e  
created : 2023-08-21T15:48:03

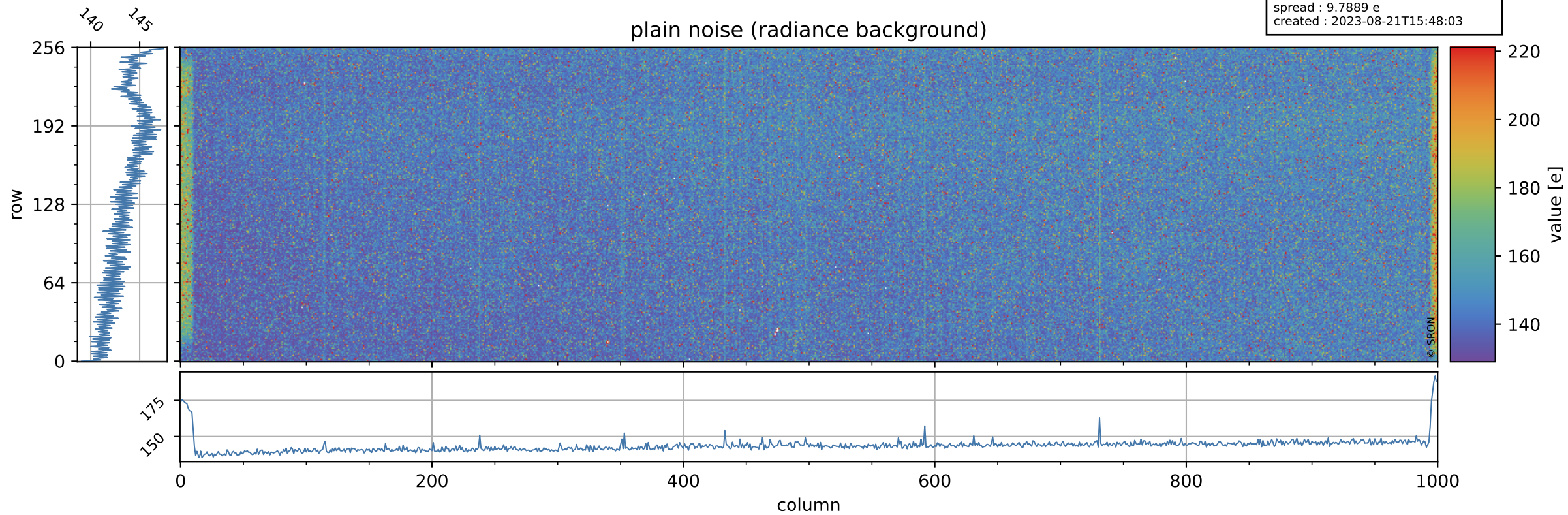
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.43 e  
spread : 9.7889 e  
created : 2023-08-21T15:48:03

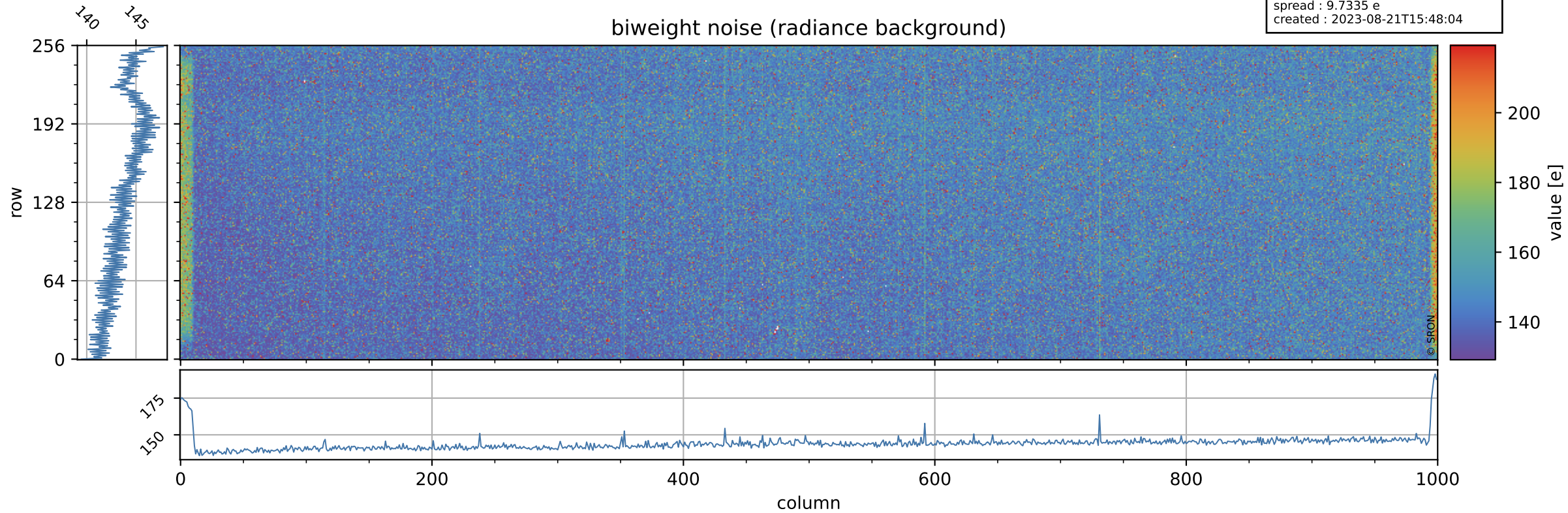
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7335 e  
created : 2023-08-21T15:48:04

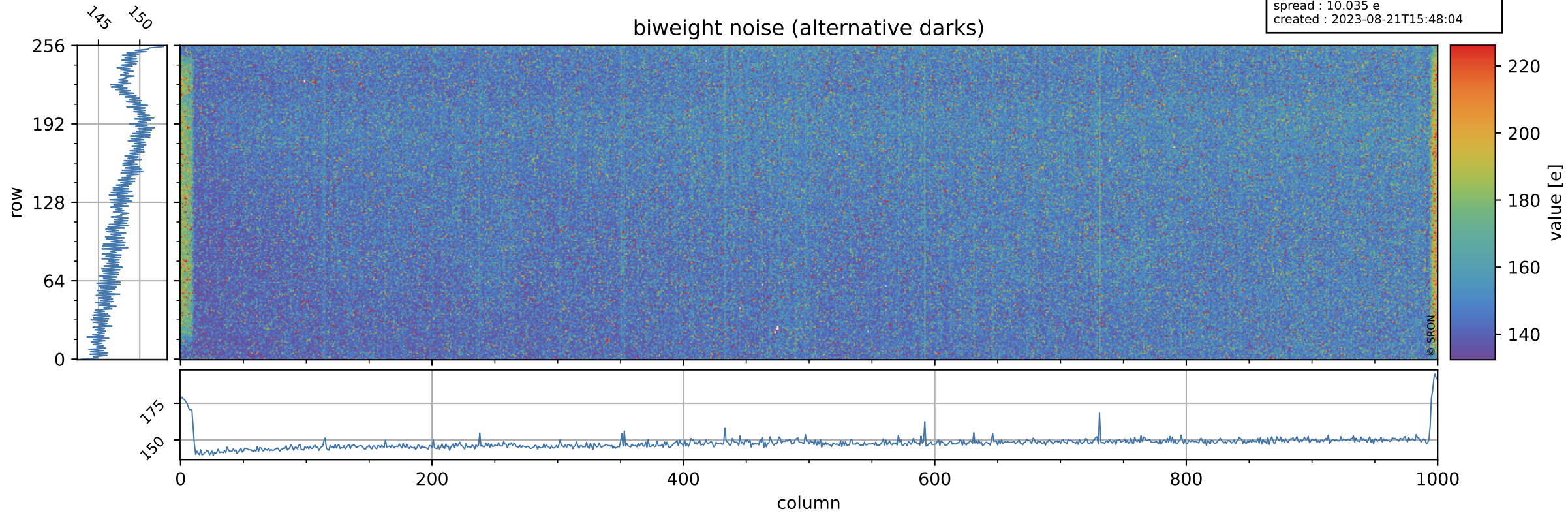
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.035 e  
created : 2023-08-21T15:48:04

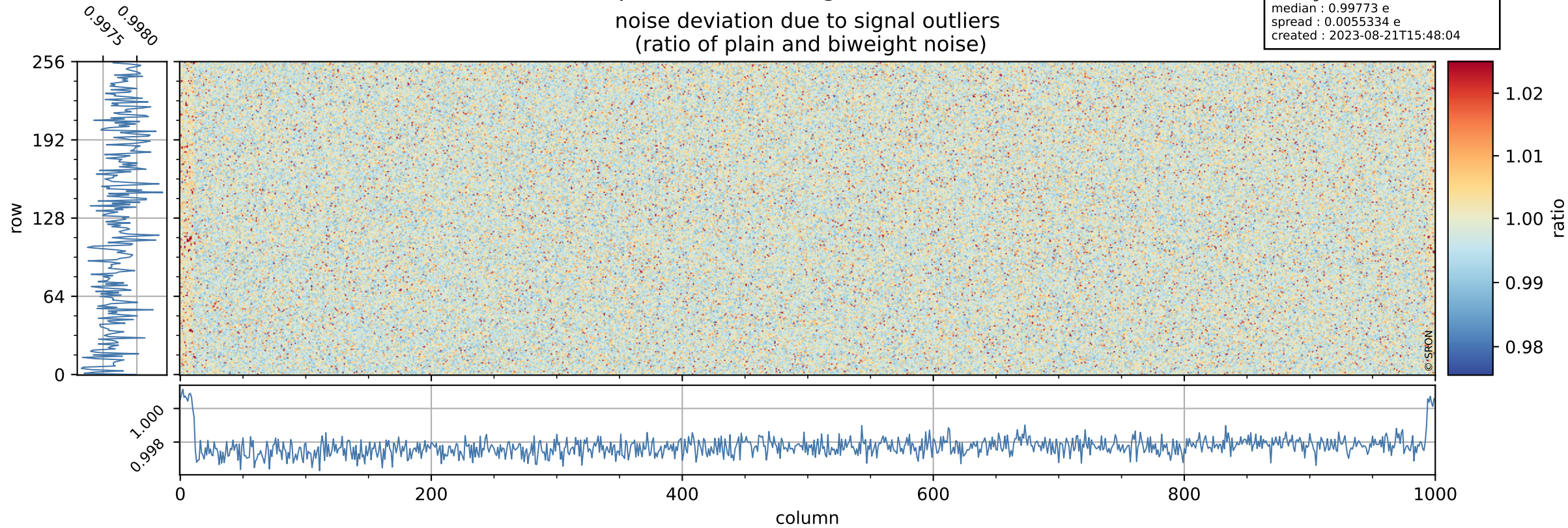
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

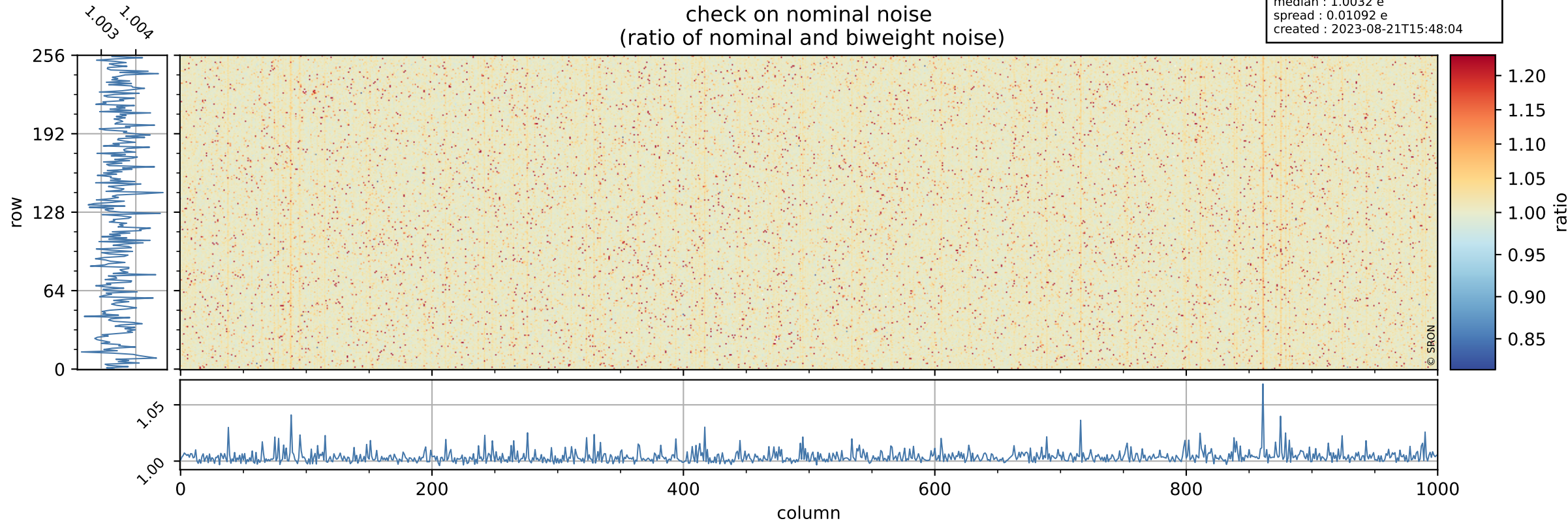
orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
median : 0.99773 e  
spread : 0.0055334 e  
created : 2023-08-21T15:48:04



# Tropomi SWIR background noise (swir)

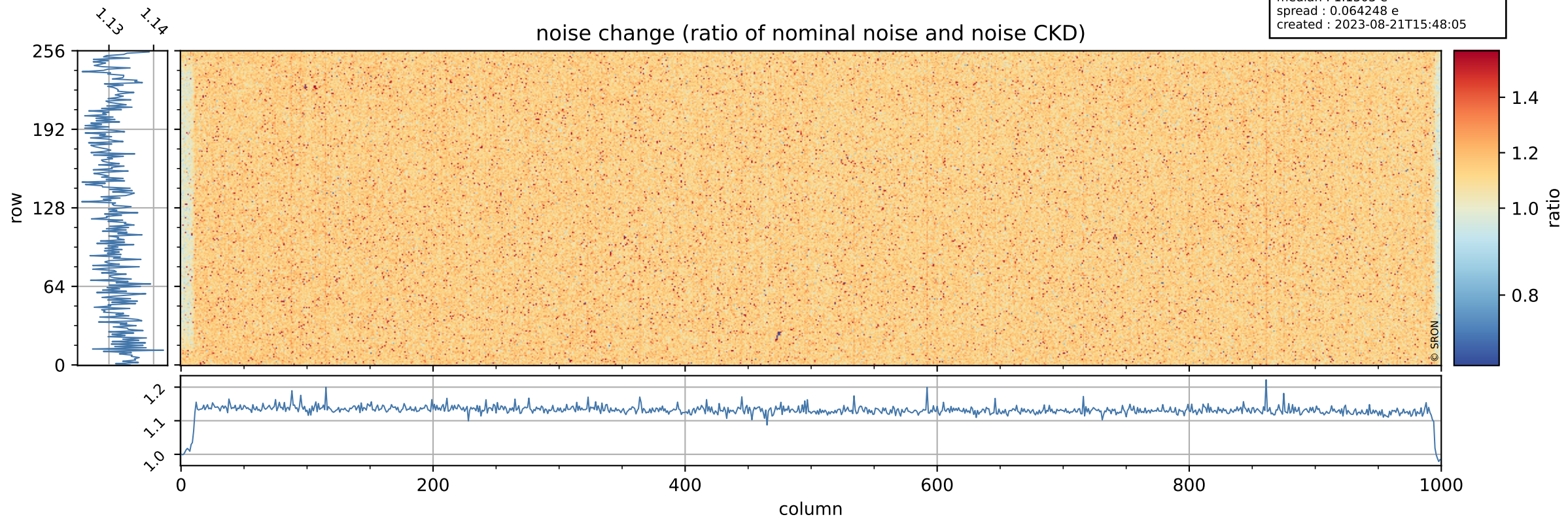
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
median : 1.0032 e  
spread : 0.01092 e  
created : 2023-08-21T15:48:04



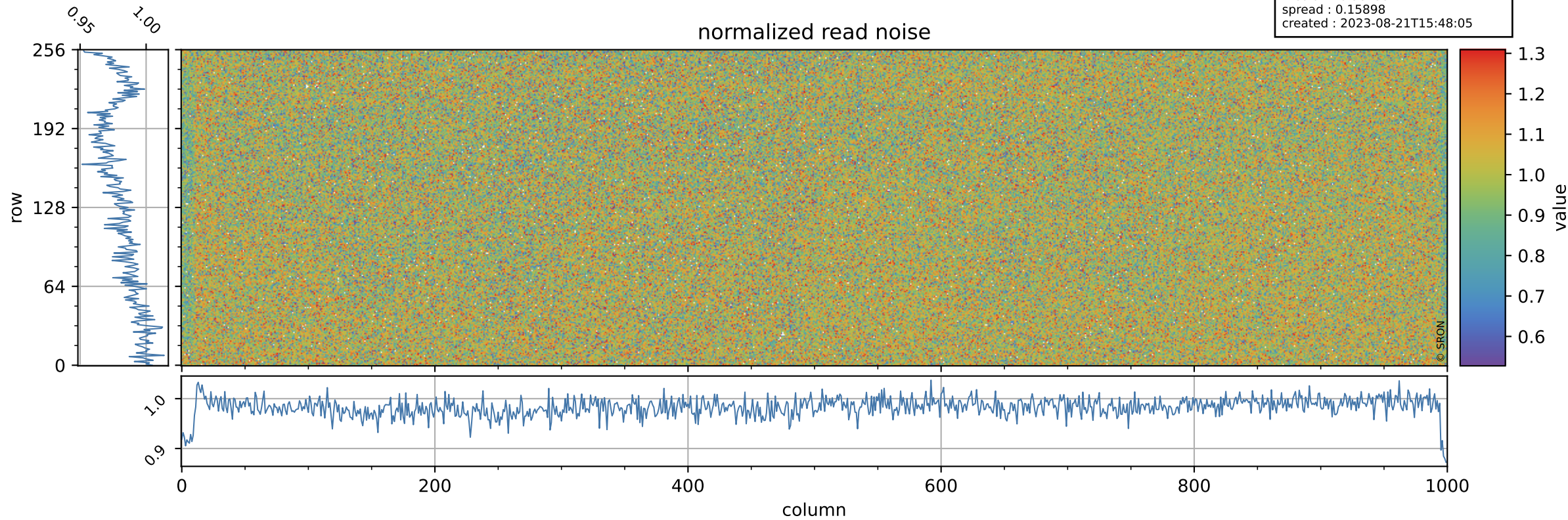
# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
median : 1.1303 e  
spread : 0.064248 e  
created : 2023-08-21T15:48:05



# Tropomi SWIR background noise (swir)

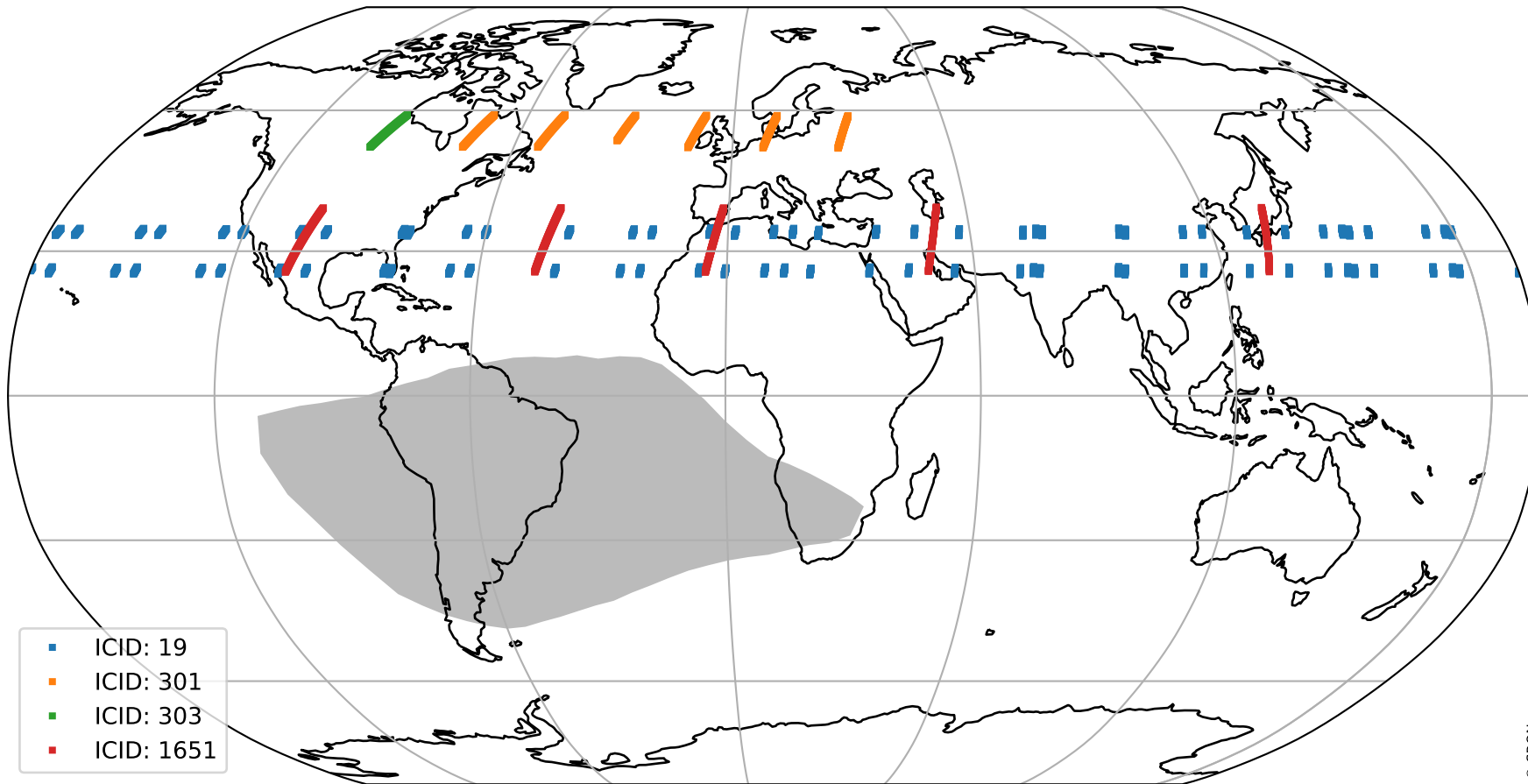
orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
median : 0.98159  
spread : 0.15898  
created : 2023-08-21T15:48:05





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

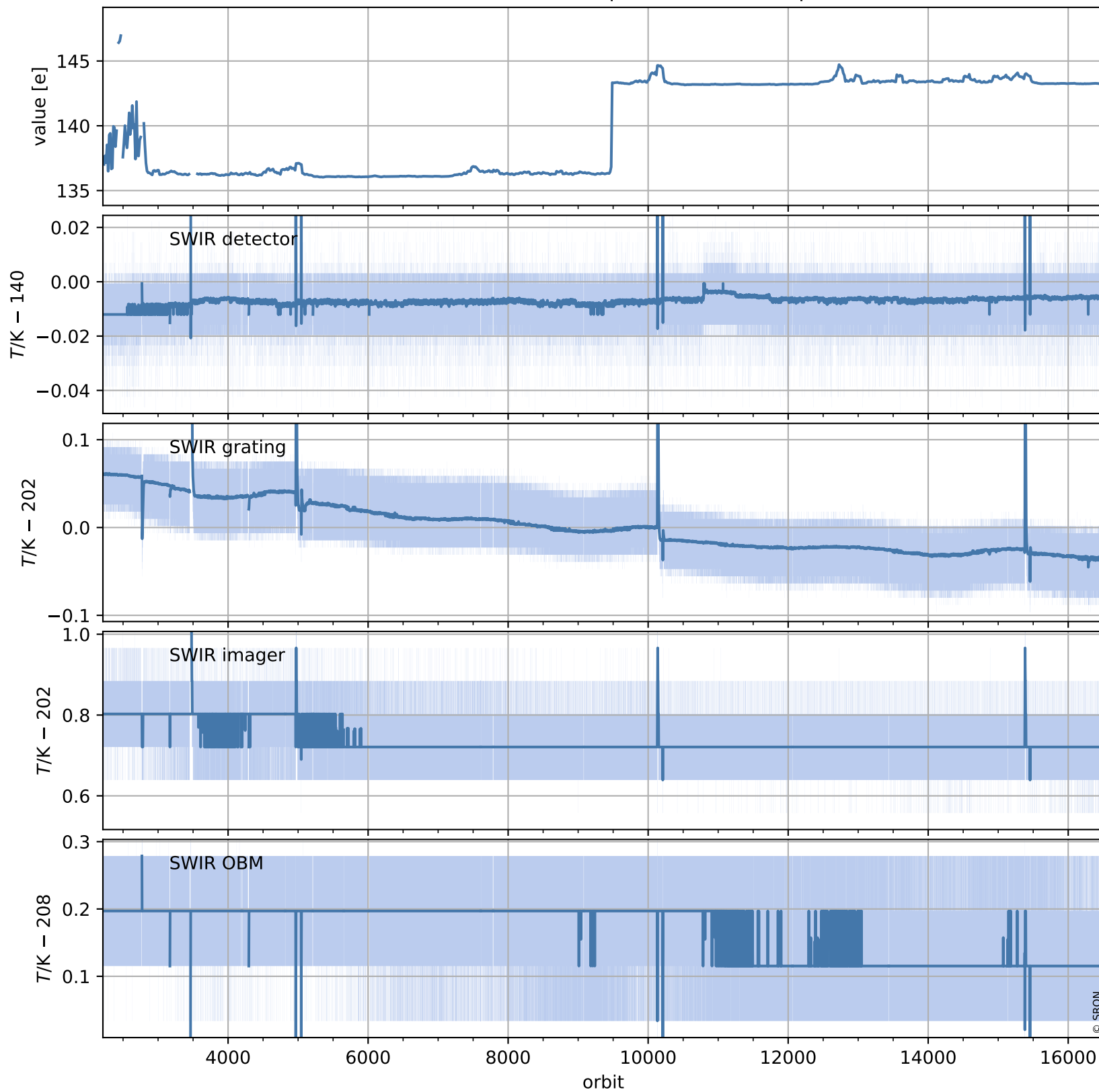
orbits : 12 in [16417, 16507]  
coverage : 2020-12-13 / 2020-12-19  
created : 2023-08-21T15:48:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 16507]  
coverage : 2018-03-18 / 2020-12-19  
created : 2023-08-21T15:48:06

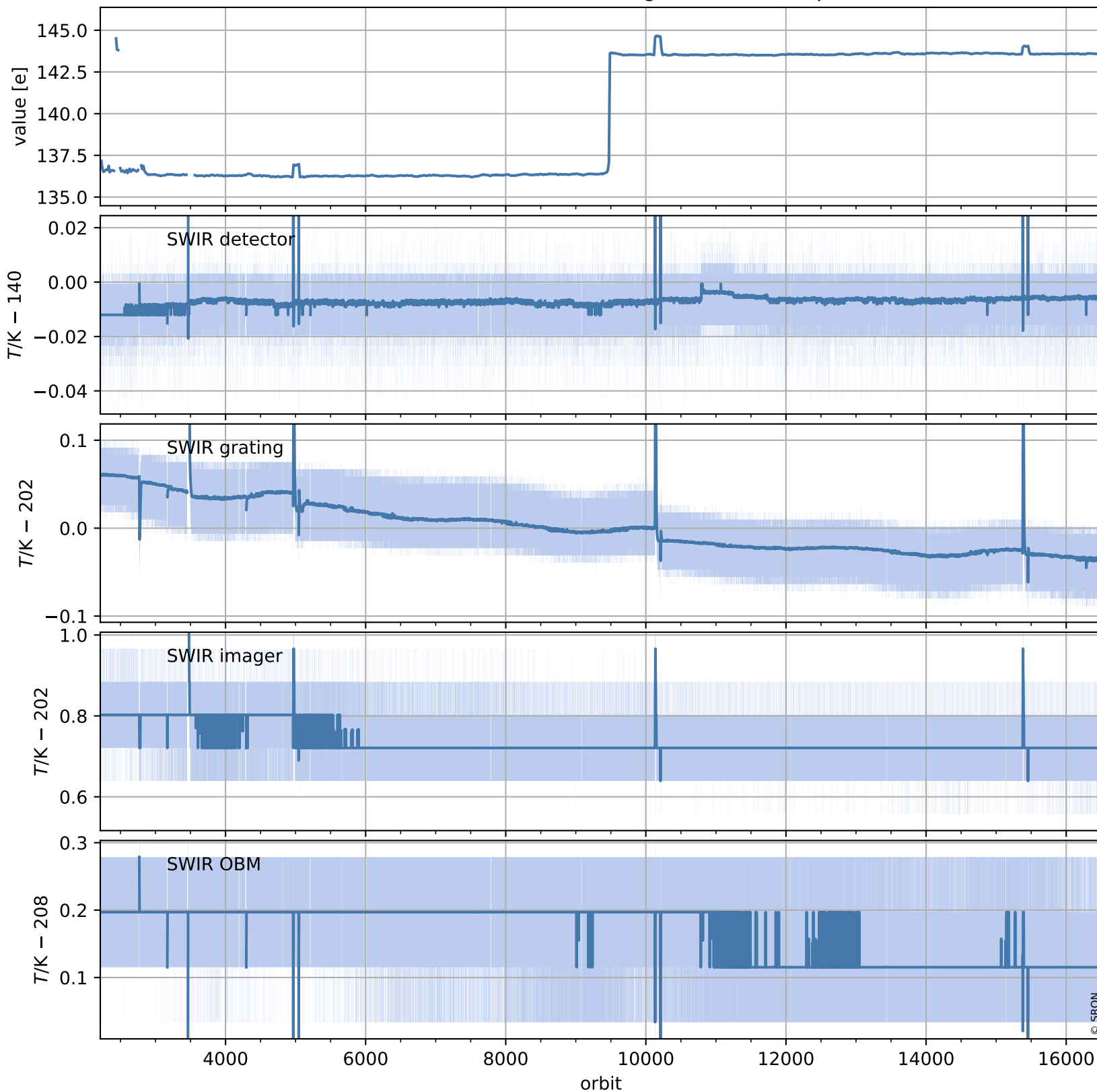
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16507]  
coverage : 2018-03-18 / 2020-12-19  
created : 2023-08-21T15:48:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16507]  
coverage : 2018-03-18 / 2020-12-19  
created : 2023-08-21T15:48:07

## trend of normalized read-noise & temperatures

