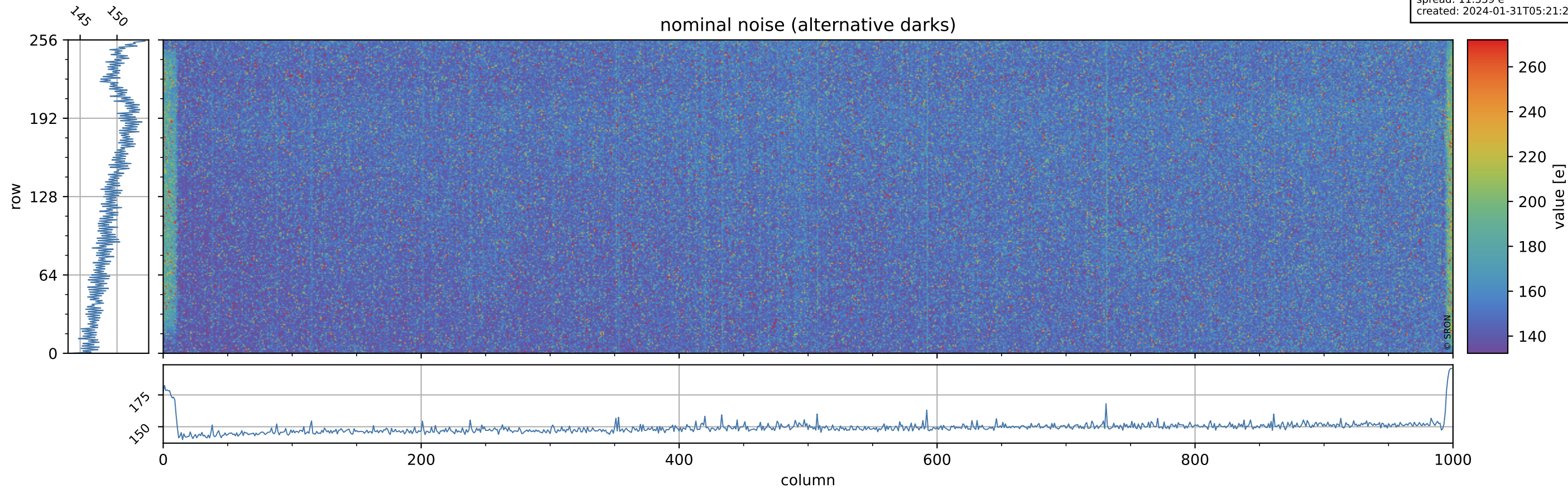


# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
n\_coad, t\_exp: 1, 1.0783  
median: 149.11 e  
spread: 11.339 e  
created: 2024-01-31T05:21:24Z

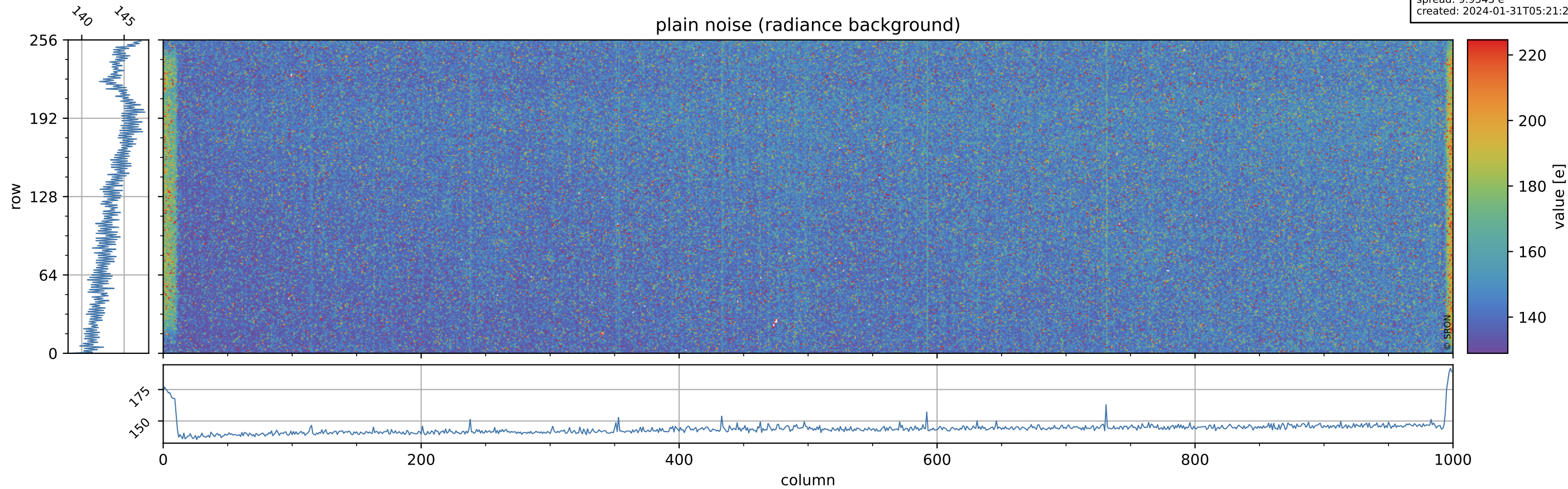
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
n\_coad, t\_exp: 1, 0.8383  
median: 143.6 e  
spread: 9.9543 e  
created: 2024-01-31T05:21:24Z

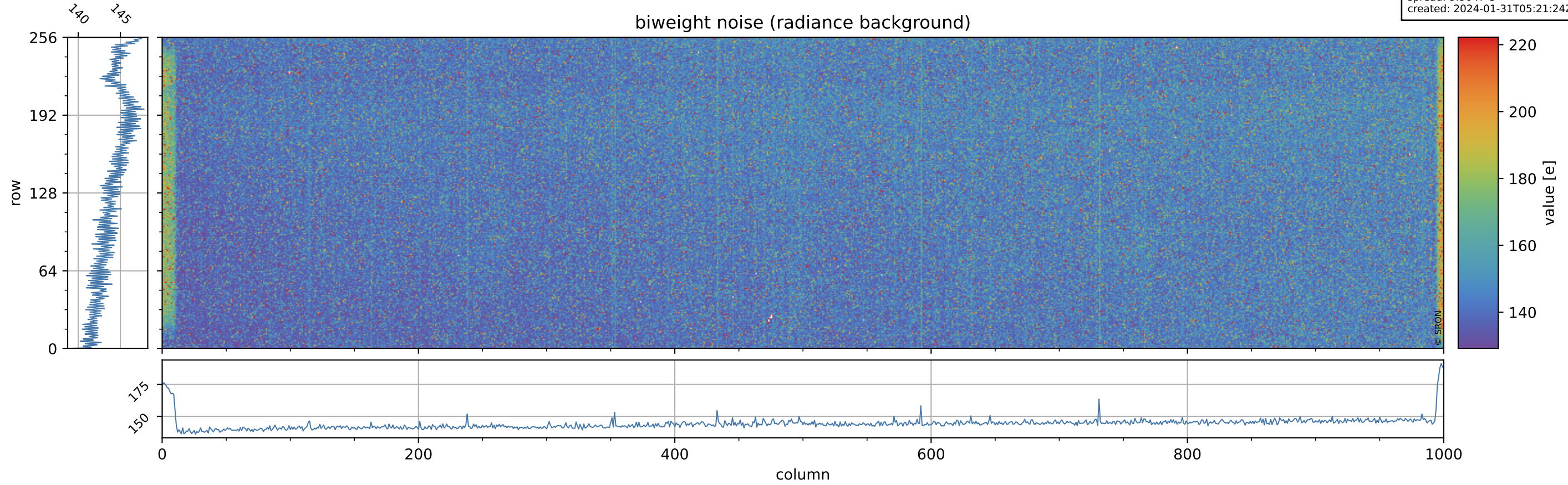
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
n\_coad, t\_exp: 1, 0.8383  
median: 143.93 e  
spread: 9.9047 e  
created: 2024-01-31T05:21:24Z

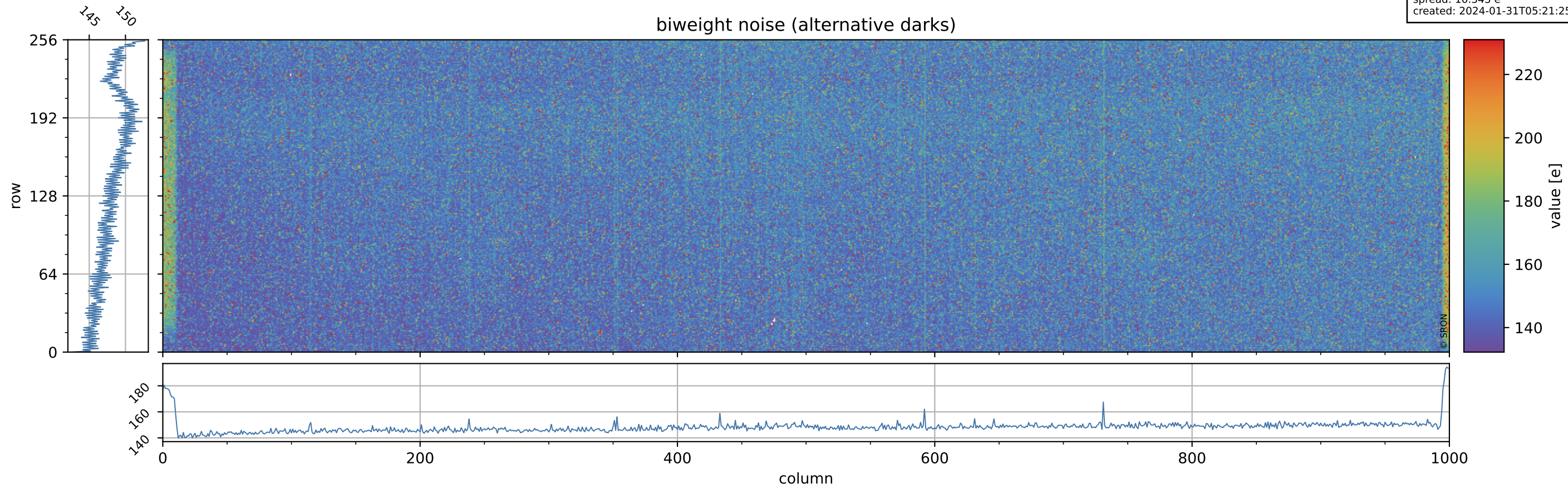
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
n\_coad, t\_exp: 1, 1.0783  
median: 147.98 e  
spread: 10.343 e  
created: 2024-01-31T05:21:25Z

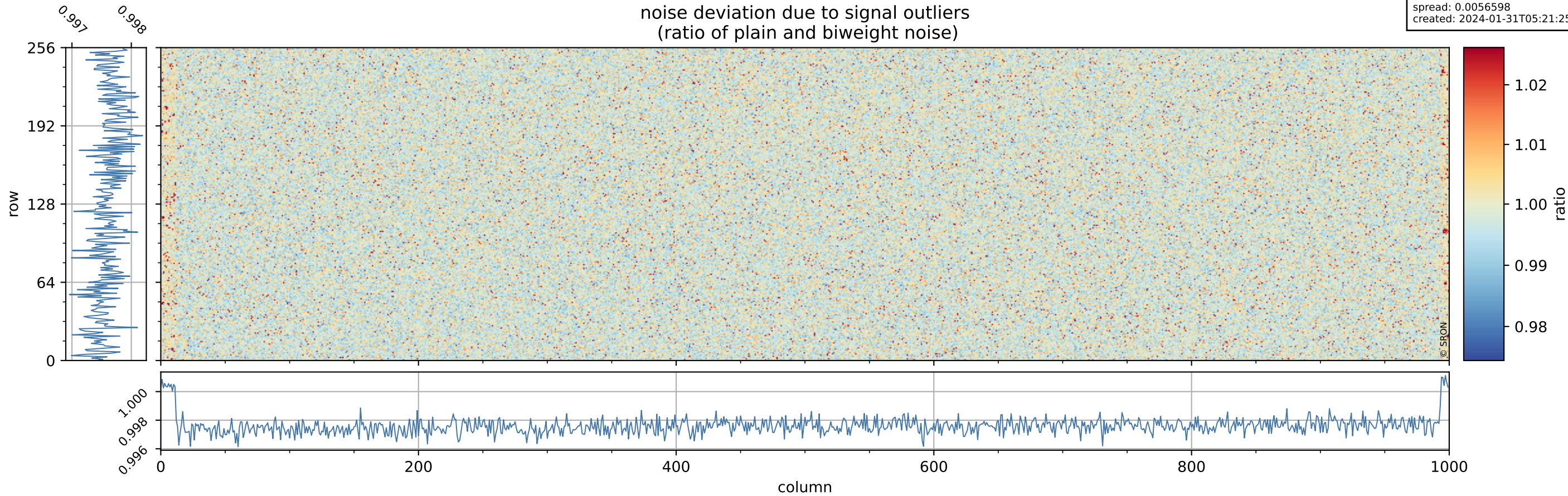
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

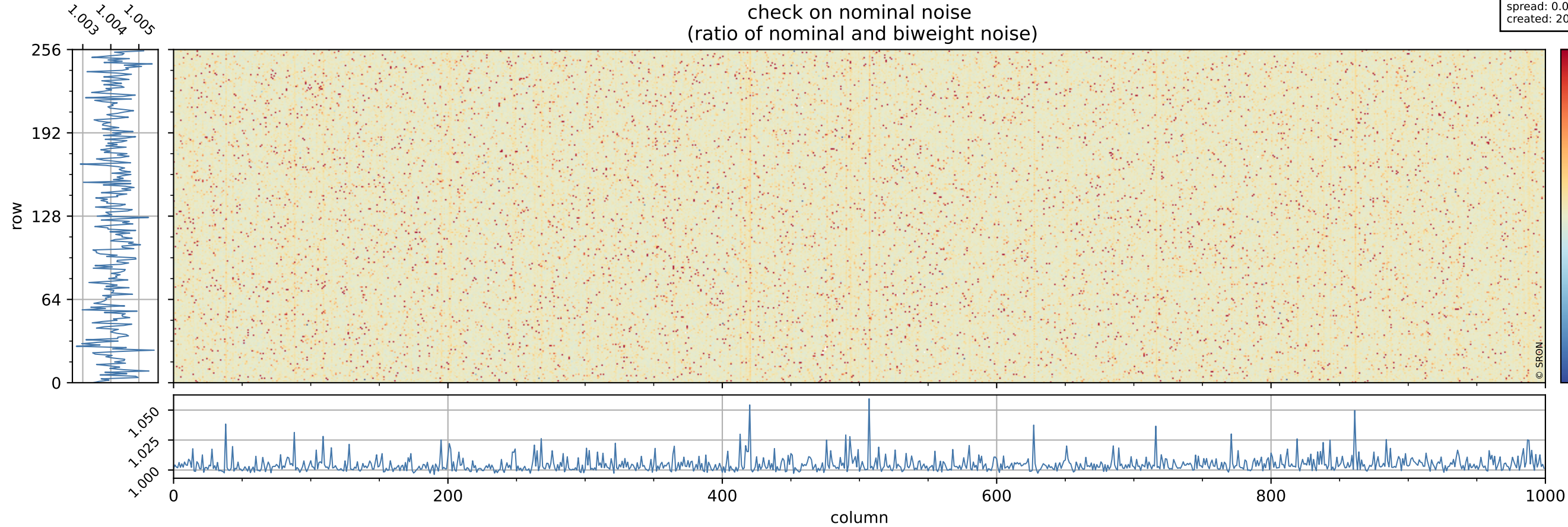
orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
median: 0.99759  
spread: 0.0056598  
created: 2024-01-31T05:21:25Z



# Tropomi SWIR background noise (swir)

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

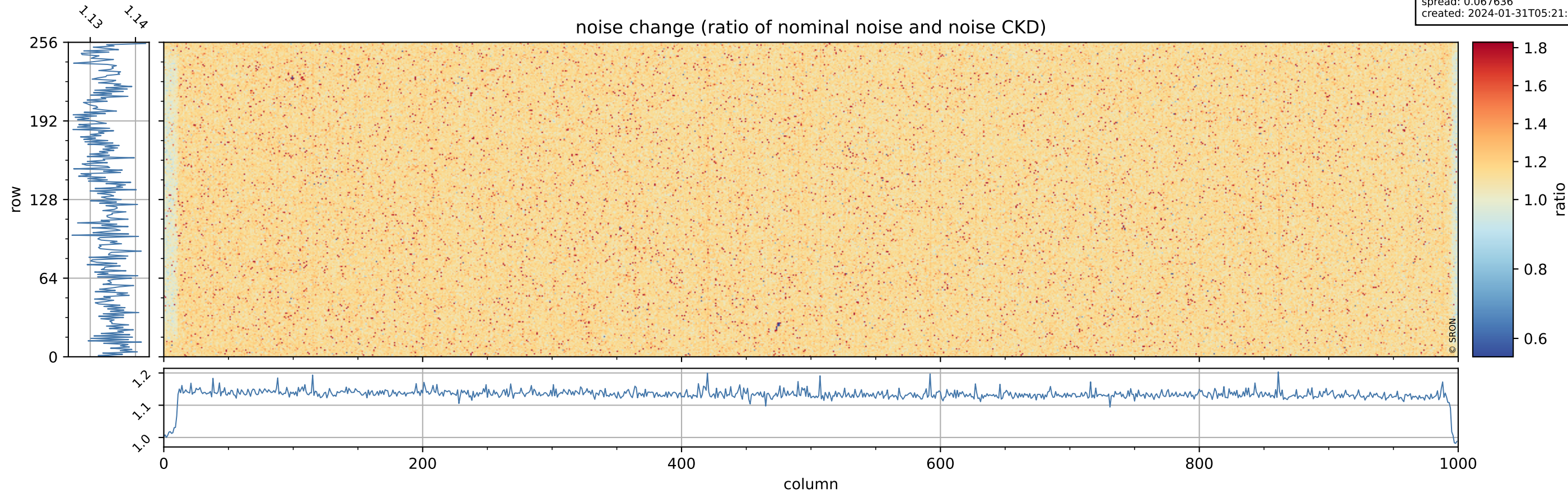
orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
median: 1.0037  
spread: 0.01293  
created: 2024-01-31T05:21:25Z



# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
median: 1.1322  
spread: 0.067636  
created: 2024-01-31T05:21:26Z

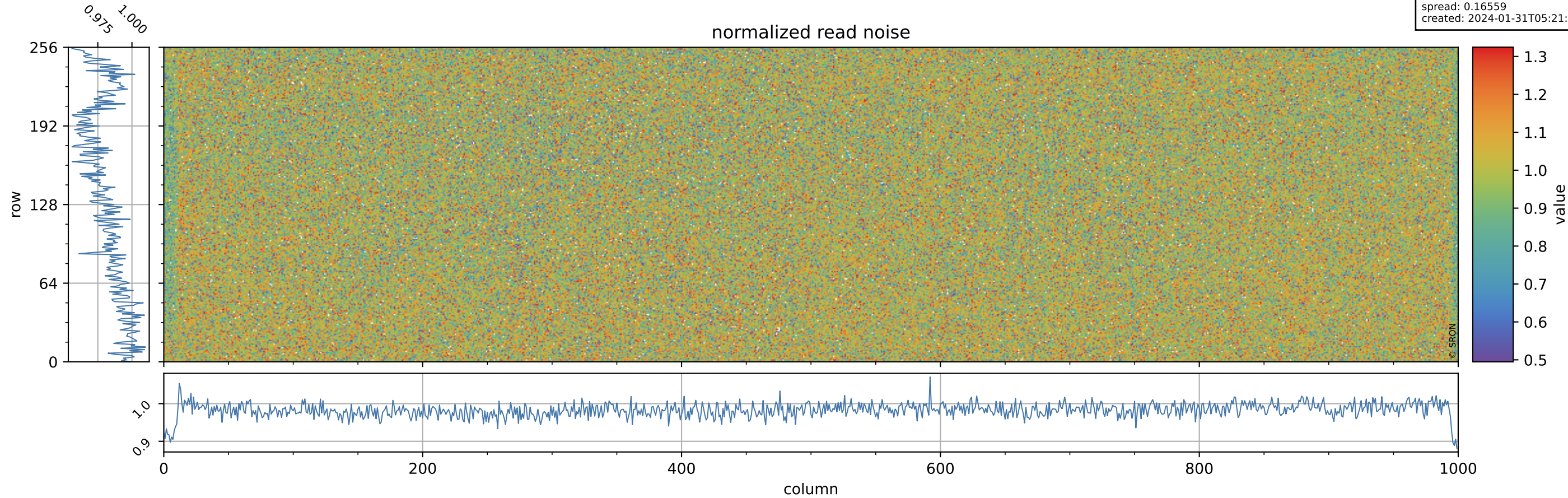
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
median: 0.98109  
spread: 0.16559  
created: 2024-01-31T05:21:26Z

normalized read noise

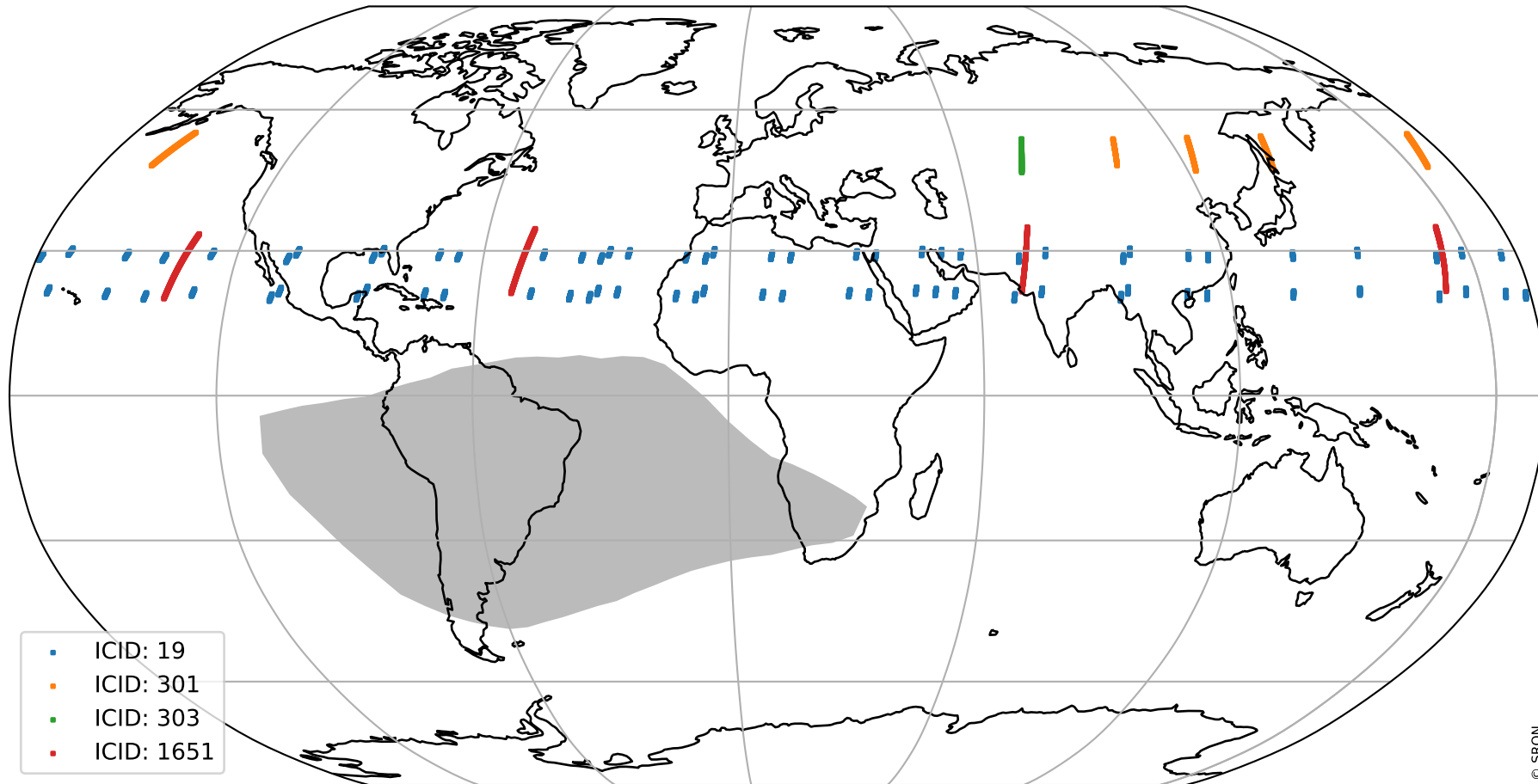




# Tropomi SWIR background noise (swir)

orbits: 10 in [32527, 32617]  
coverage: 2024-01-23 / 2024-01-29  
created: 2024-01-31T05:21:26Z

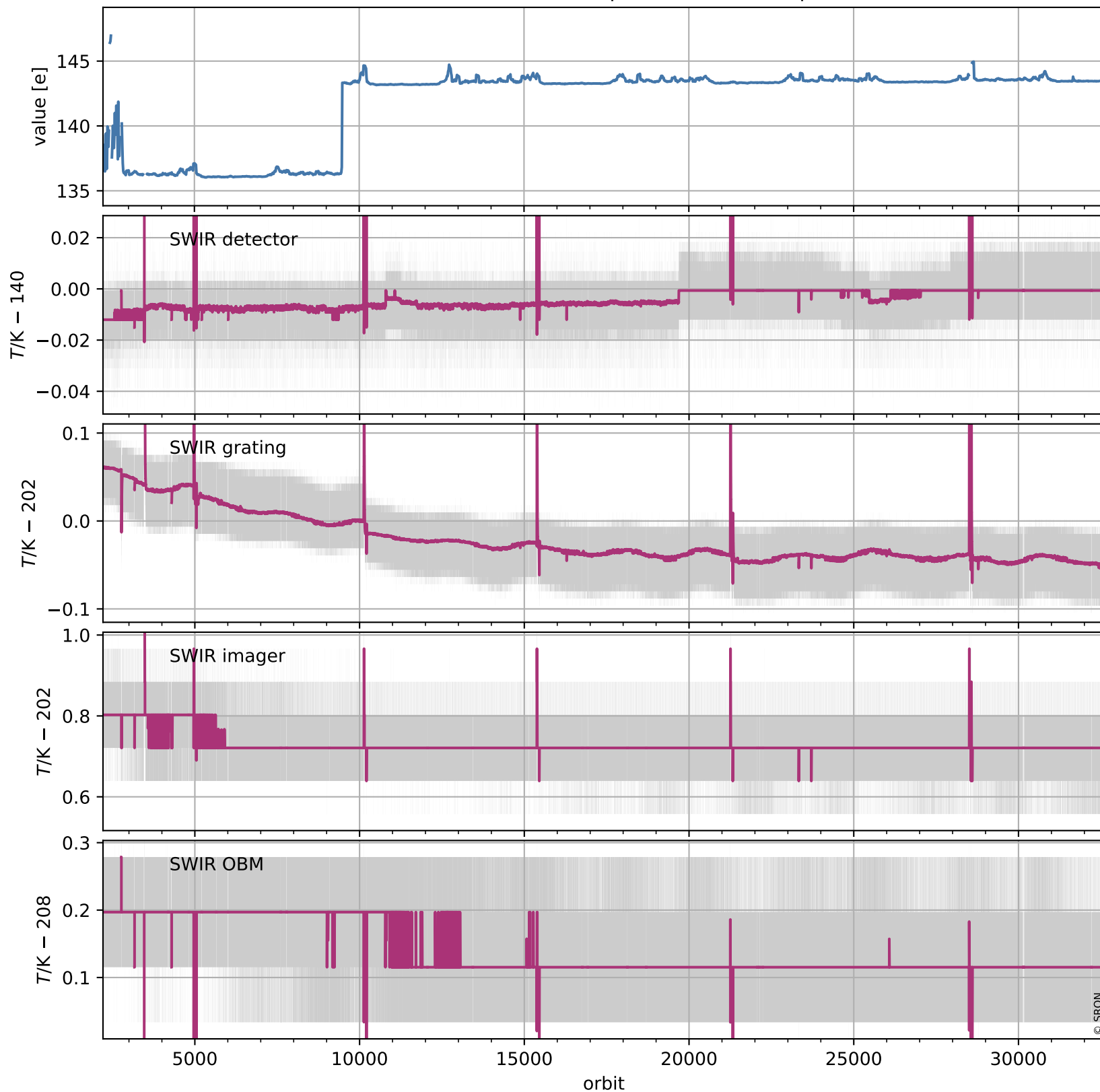
ground-tracks of Sentinel-5P



# Tropomi SWIR background noise (swir)

orbits: [2212, 32617]  
coverage: 2018-03-18 / 2024-01-29  
created: 2024-01-31T05:21:27Z

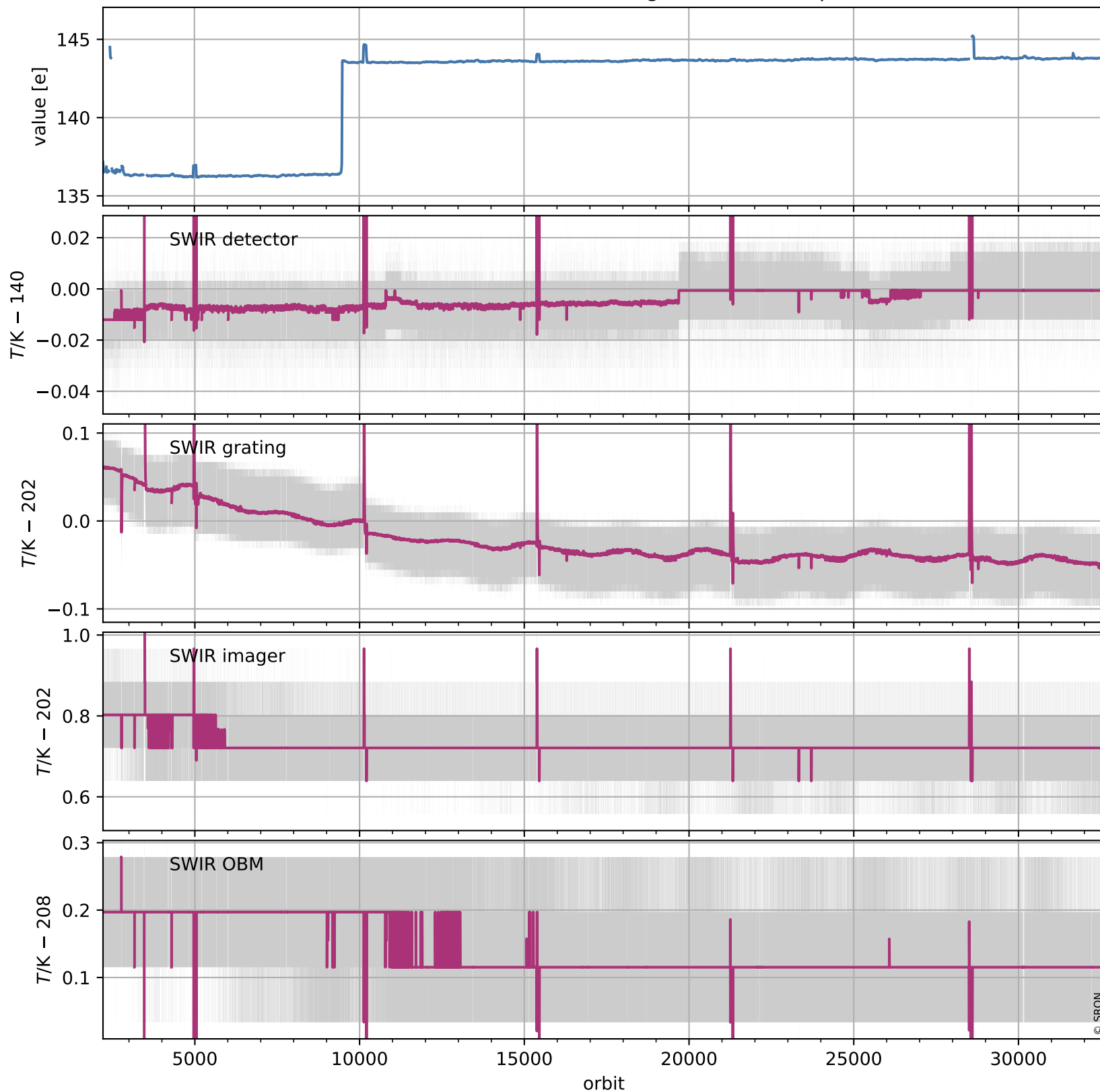
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32617]  
coverage: 2018-03-18 / 2024-01-29  
created: 2024-01-31T05:21:28Z

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32617]  
coverage: 2018-03-18 / 2024-01-29  
created: 2024-01-31T05:21:29Z

## trend of normalized read-noise & temperatures

