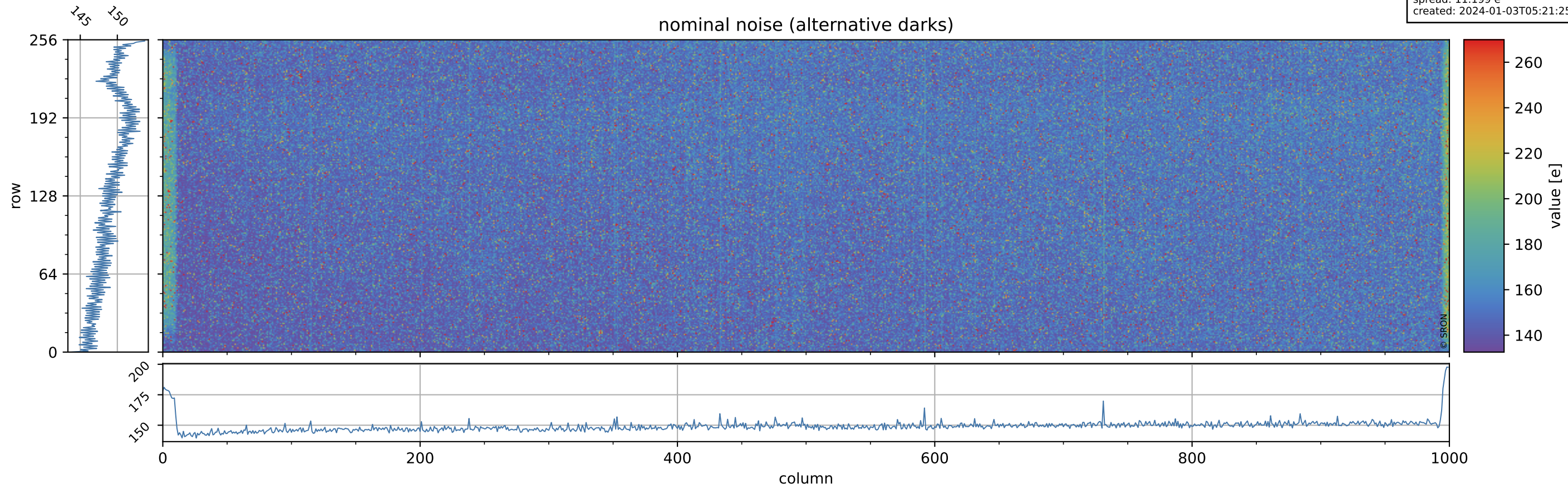


# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
n\_coad, t\_exp: 1, 1.0783  
median: 148.97 e  
spread: 11.199 e  
created: 2024-01-03T05:21:25Z

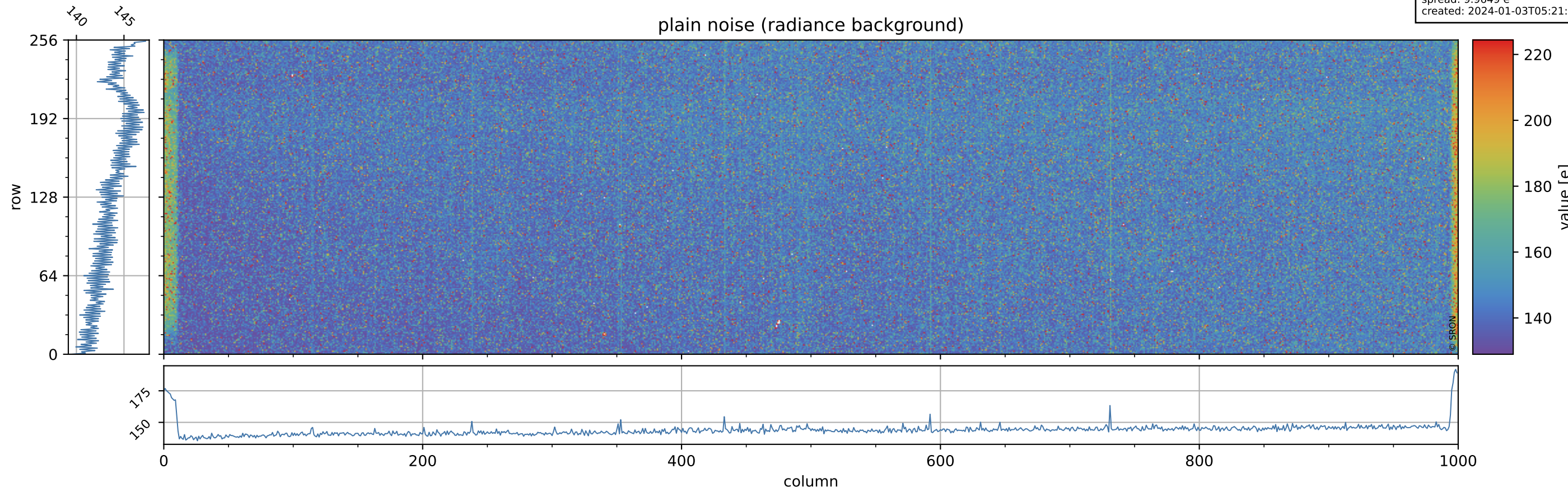
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
n\_coad, t\_exp: 1, 0.8383  
median: 143.61 e  
spread: 9.9649 e  
created: 2024-01-03T05:21:25Z

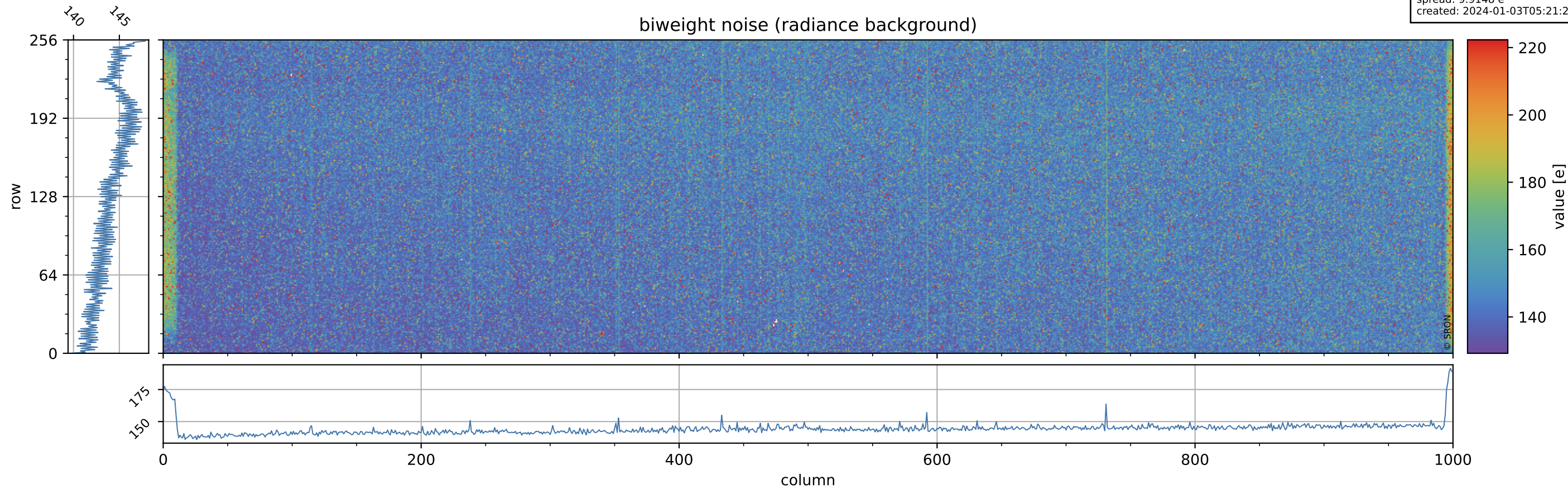
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
n\_coad, t\_exp: 1, 0.8383  
median: 143.95 e  
spread: 9.9148 e  
created: 2024-01-03T05:21:26Z

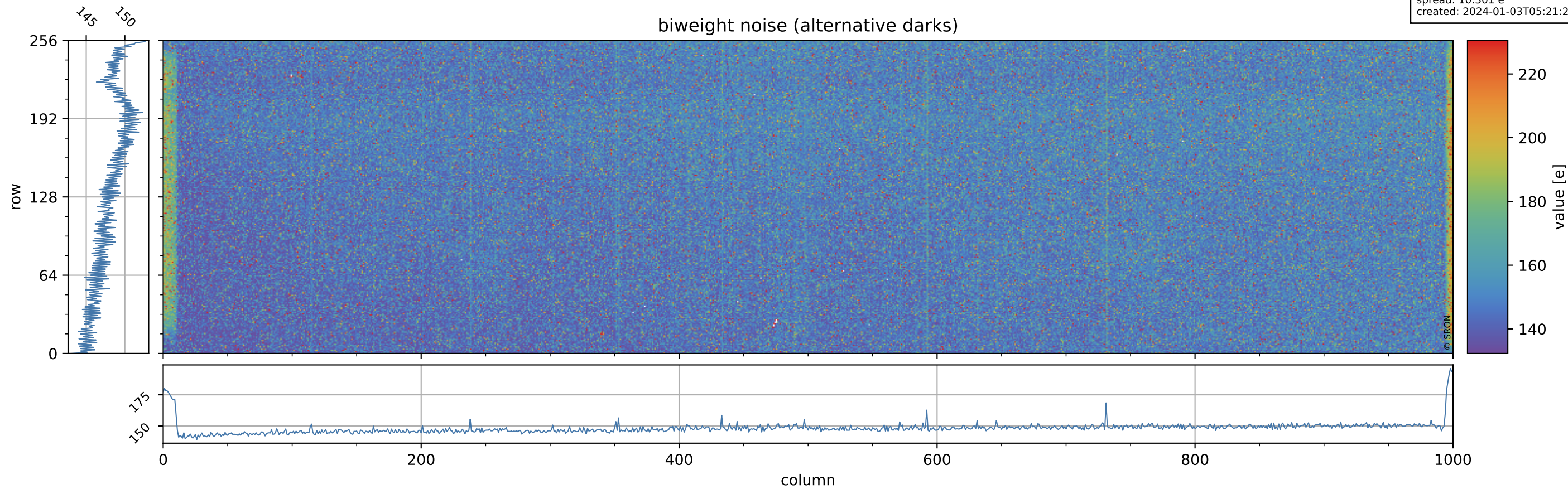
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
n\_coad, t\_exp: 1, 1.0783  
median: 147.95 e  
spread: 10.301 e  
created: 2024-01-03T05:21:26Z

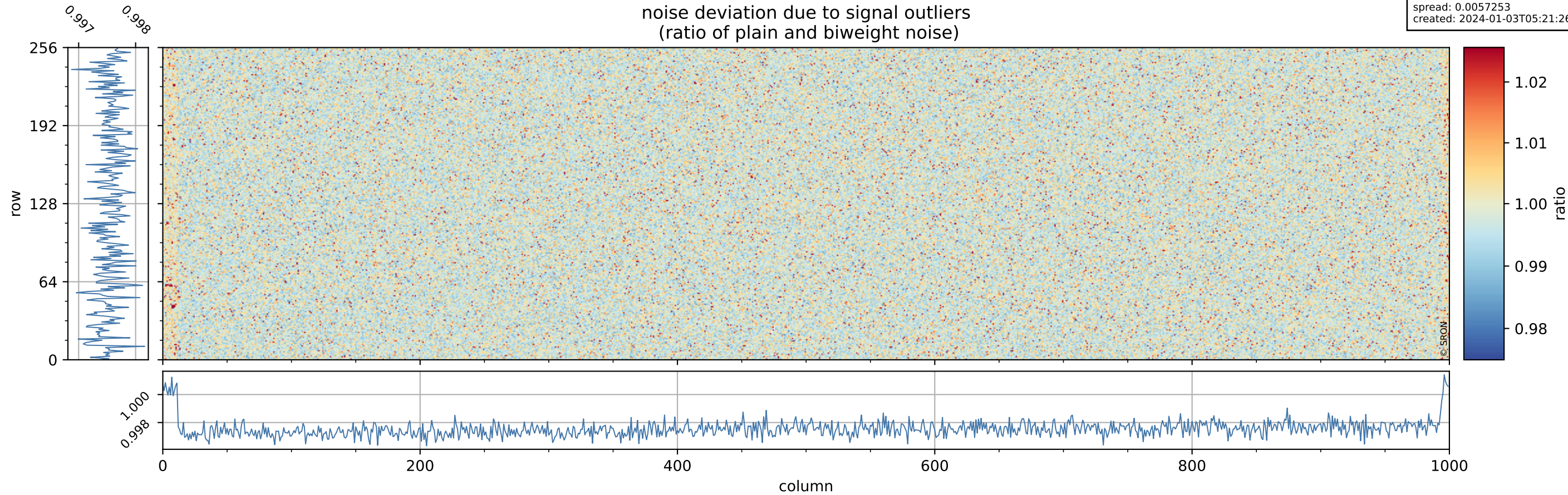
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

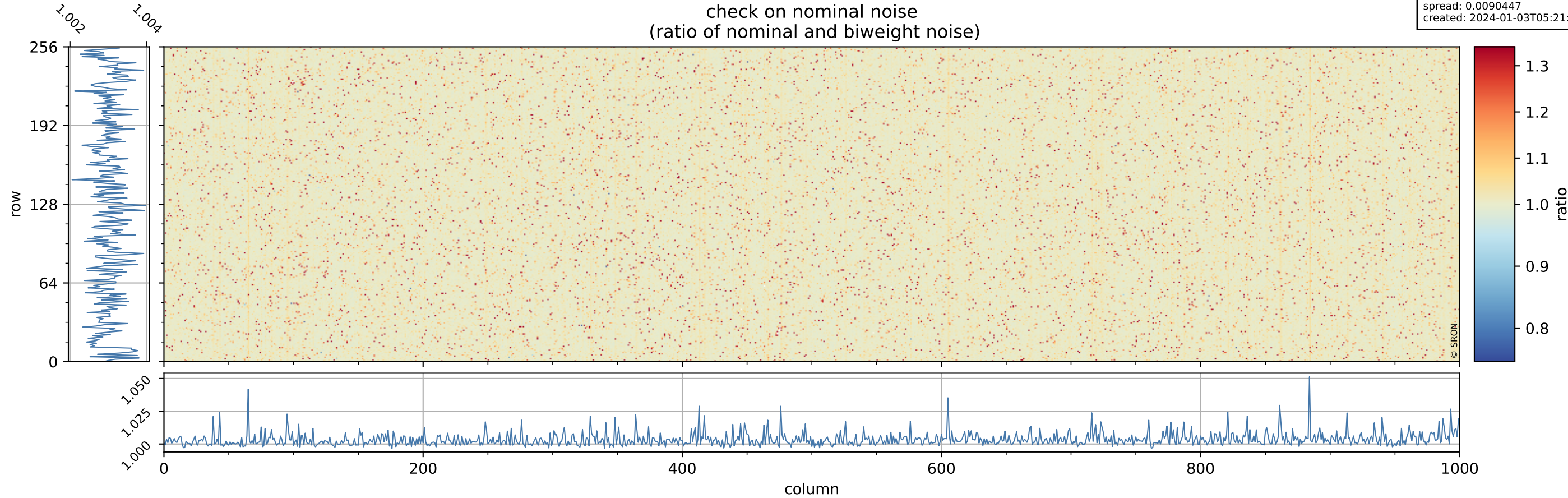
orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
median: 0.99753  
spread: 0.0057253  
created: 2024-01-03T05:21:26Z



# Tropomi SWIR background noise (swir)

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

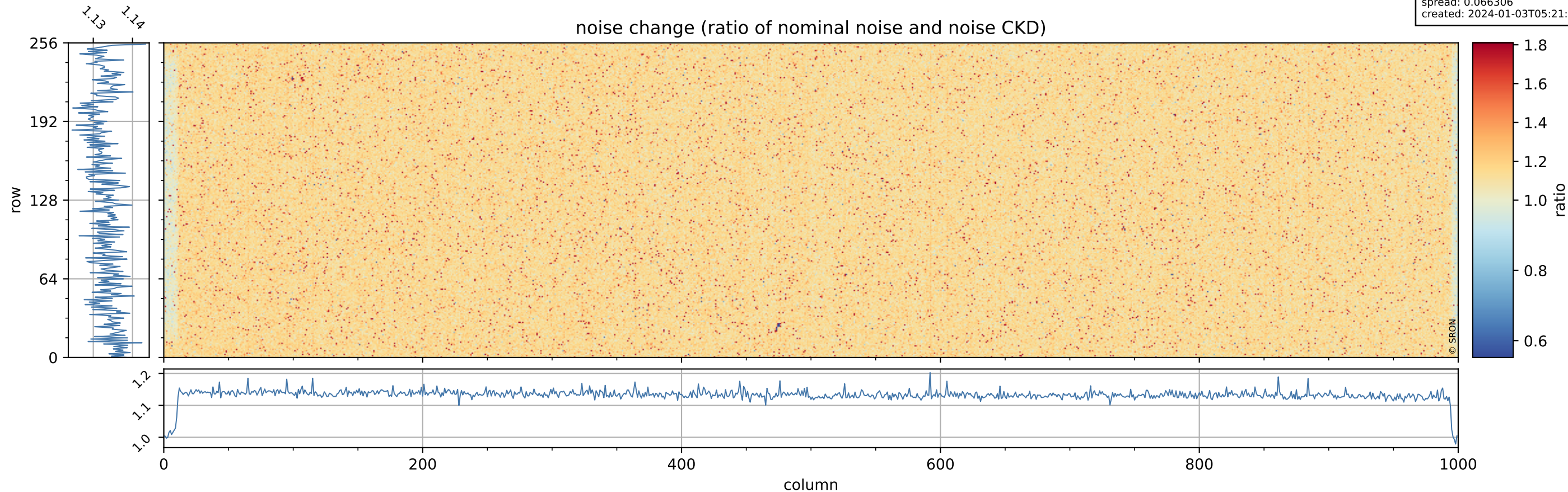
orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
median: 1.0028  
spread: 0.0090447  
created: 2024-01-03T05:21:27Z



# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
median: 1.1316  
spread: 0.066306  
created: 2024-01-03T05:21:27Z

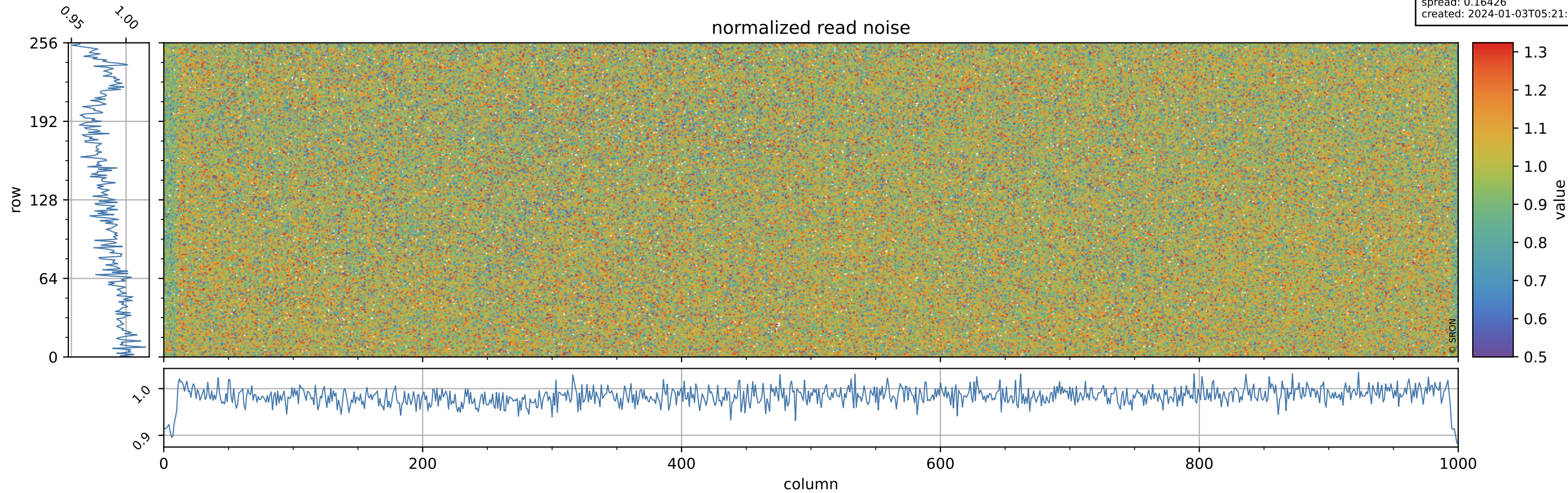
## noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
median: 0.98224  
spread: 0.16426  
created: 2024-01-03T05:21:27Z

## normalized read noise

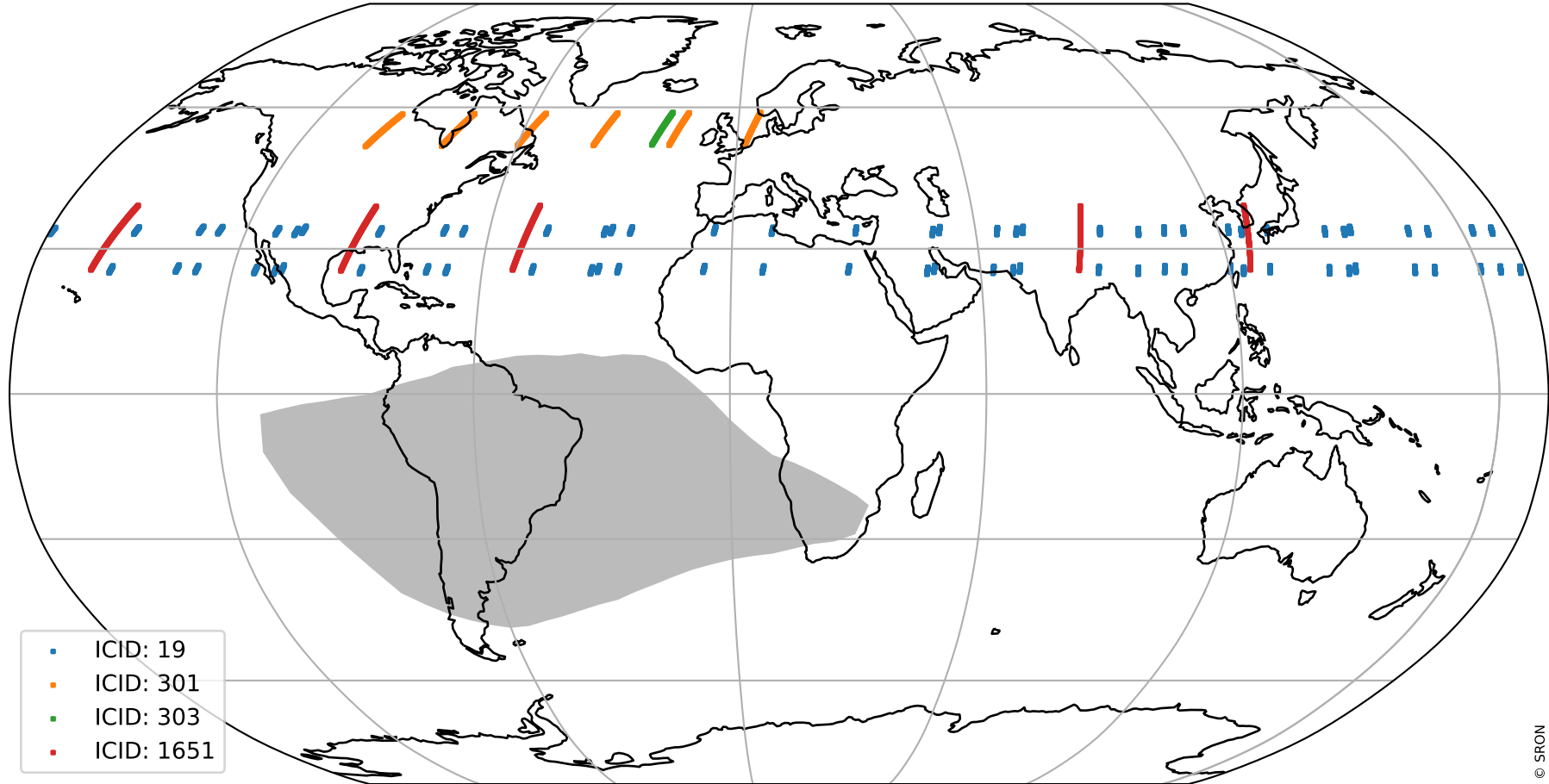




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32242]  
coverage: 2023-12-28 / 2024-01-02  
created: 2024-01-03T05:21:27Z

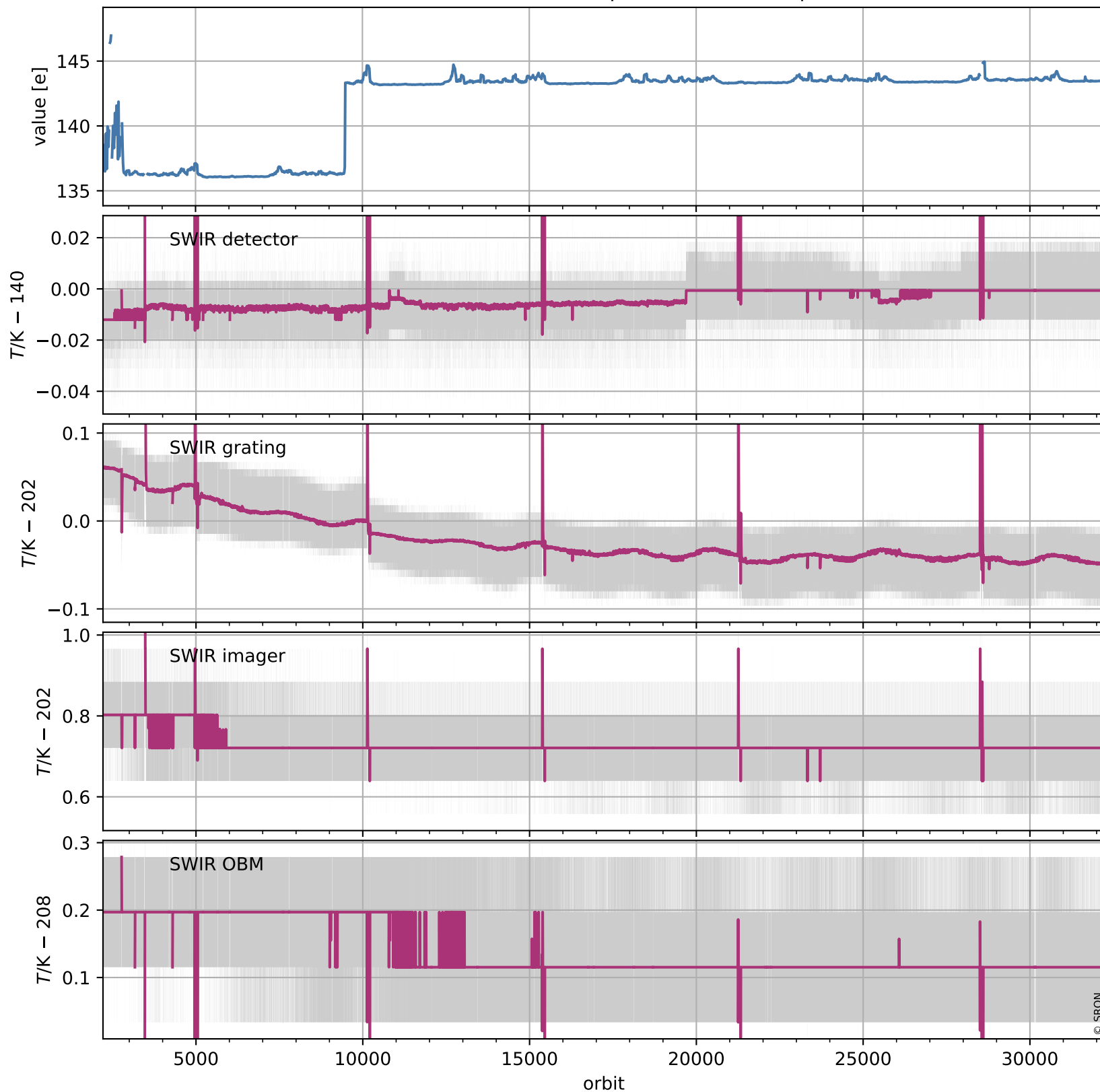
ground-tracks of Sentinel-5P



# Tropomi SWIR background noise (swir)

orbits: [2212, 32242]  
coverage: 2018-03-18 / 2024-01-02  
created: 2024-01-03T05:21:28Z

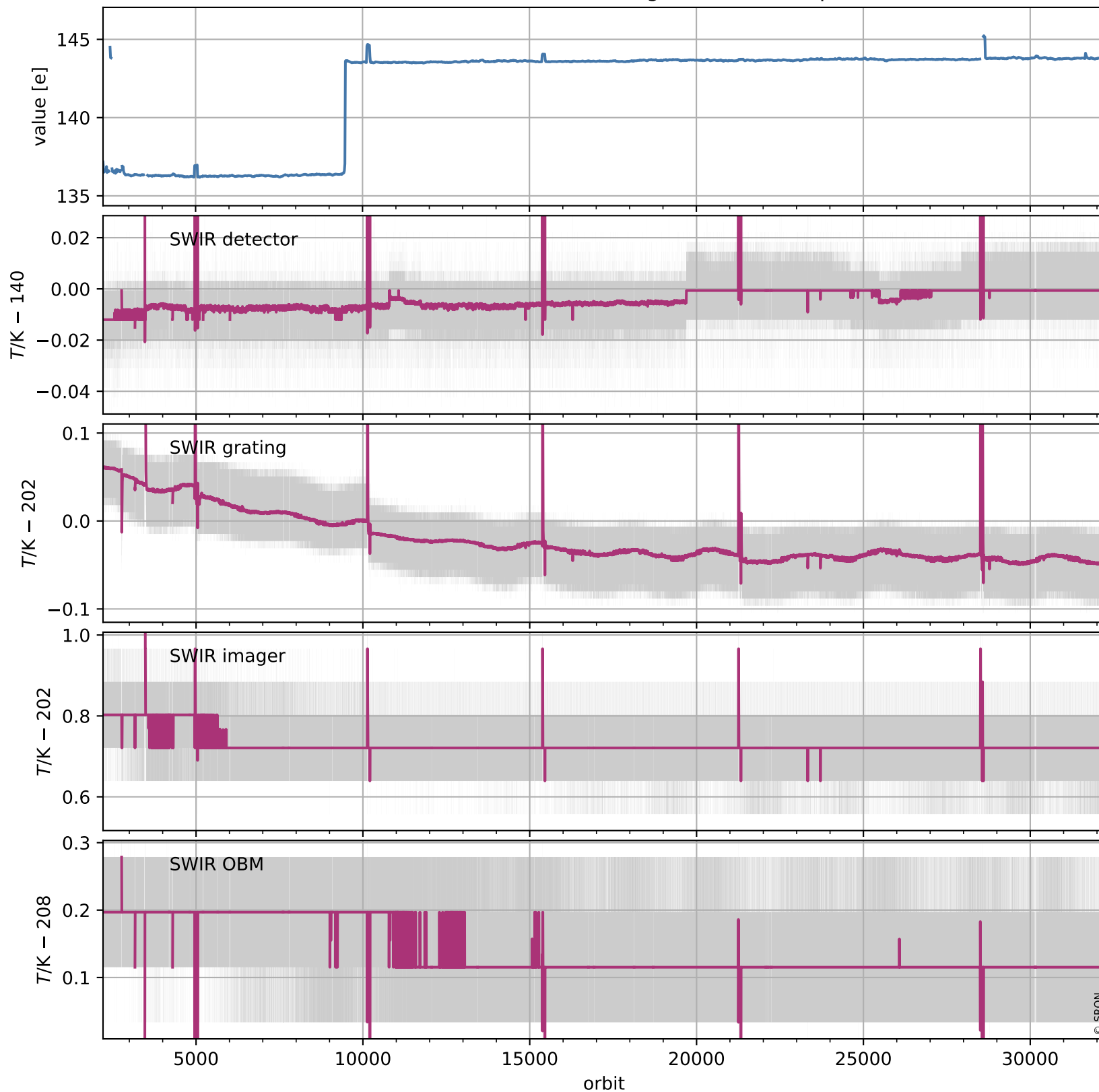
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32242]  
coverage: 2018-03-18 / 2024-01-02  
created: 2024-01-03T05:21:29Z

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32242]  
coverage: 2018-03-18 / 2024-01-02  
created: 2024-01-03T05:21:30Z

## trend of normalized read-noise & temperatures

