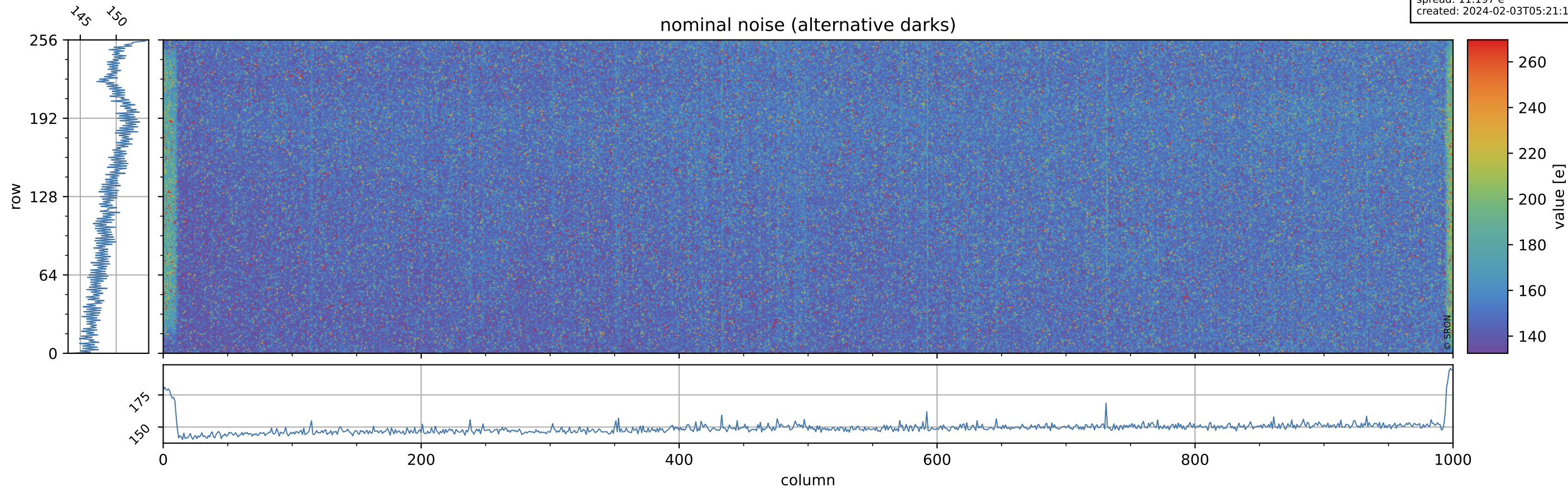


# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
n\_coad, t\_exp: 1, 1.0783  
median: 148.99 e  
spread: 11.197 e  
created: 2024-02-03T05:21:17Z

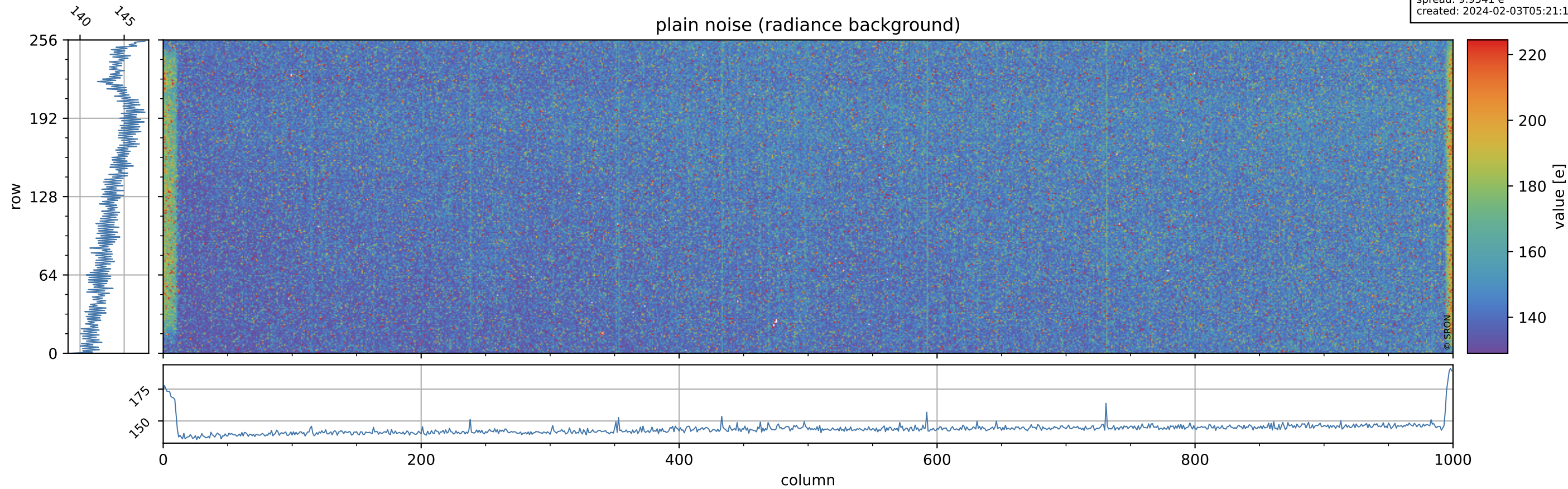
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
n\_coad, t\_exp: 1, 0.8383  
median: 143.6 e  
spread: 9.9541 e  
created: 2024-02-03T05:21:17Z

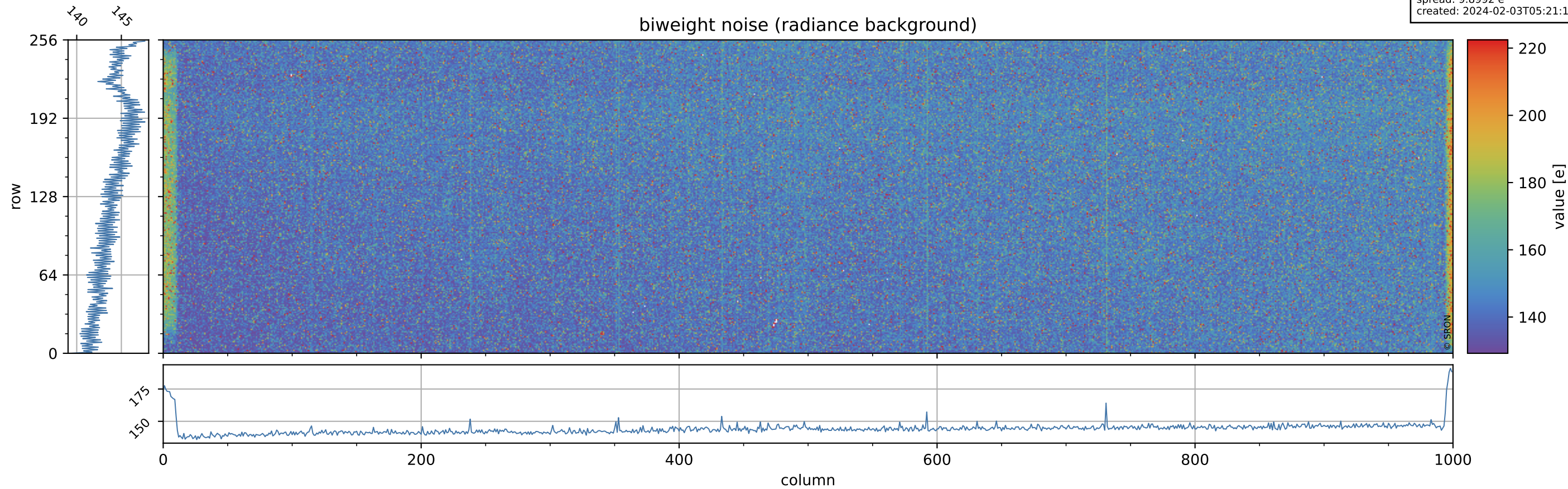
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
n\_coad, t\_exp: 1, 0.8383  
median: 143.93 e  
spread: 9.8992 e  
created: 2024-02-03T05:21:18Z

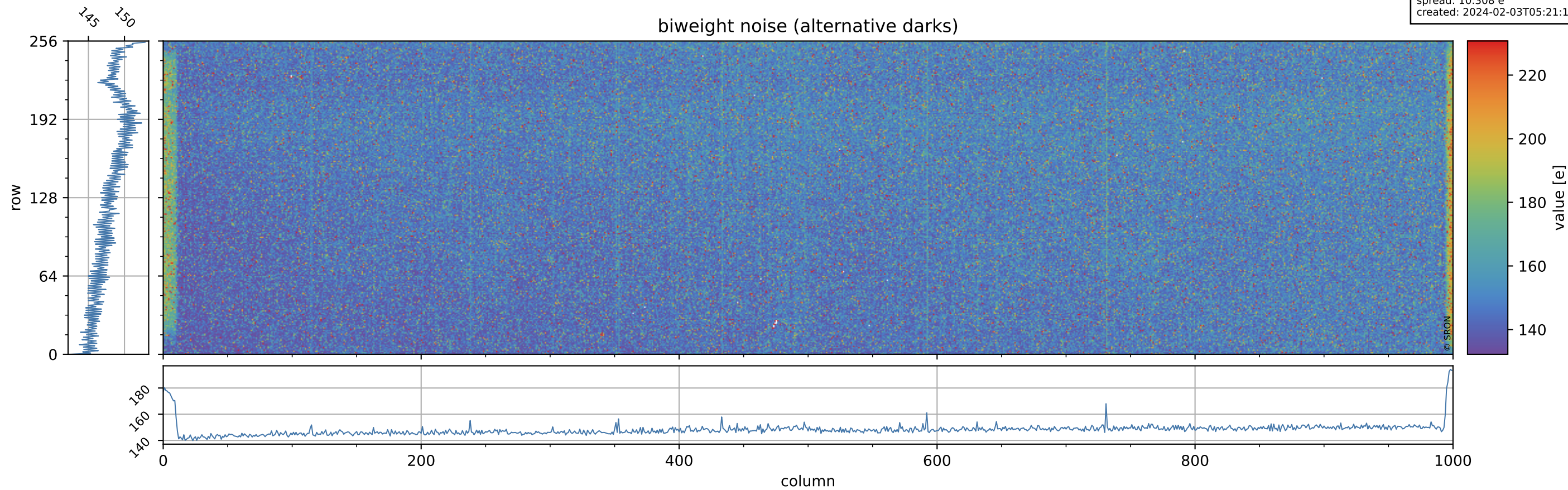
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
n\_coad, t\_exp: 1, 1.0783  
median: 147.92 e  
spread: 10.308 e  
created: 2024-02-03T05:21:18Z

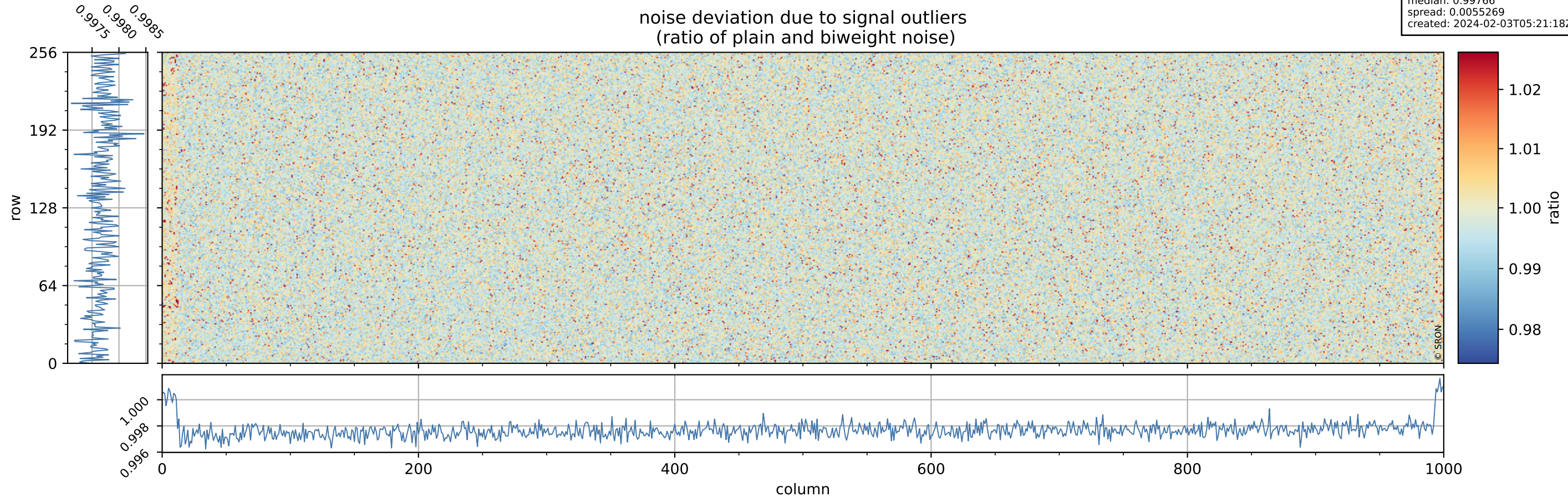
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

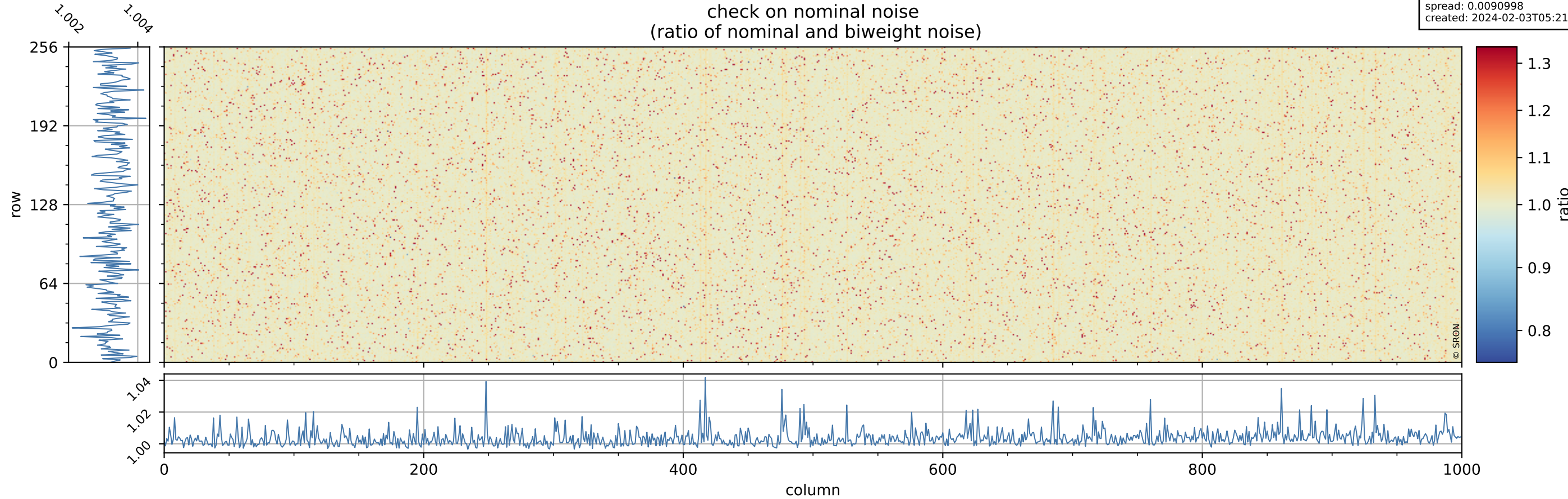
orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
median: 0.99766  
spread: 0.0055269  
created: 2024-02-03T05:21:18Z



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
median: 1.003  
spread: 0.0090998  
created: 2024-02-03T05:21:18Z

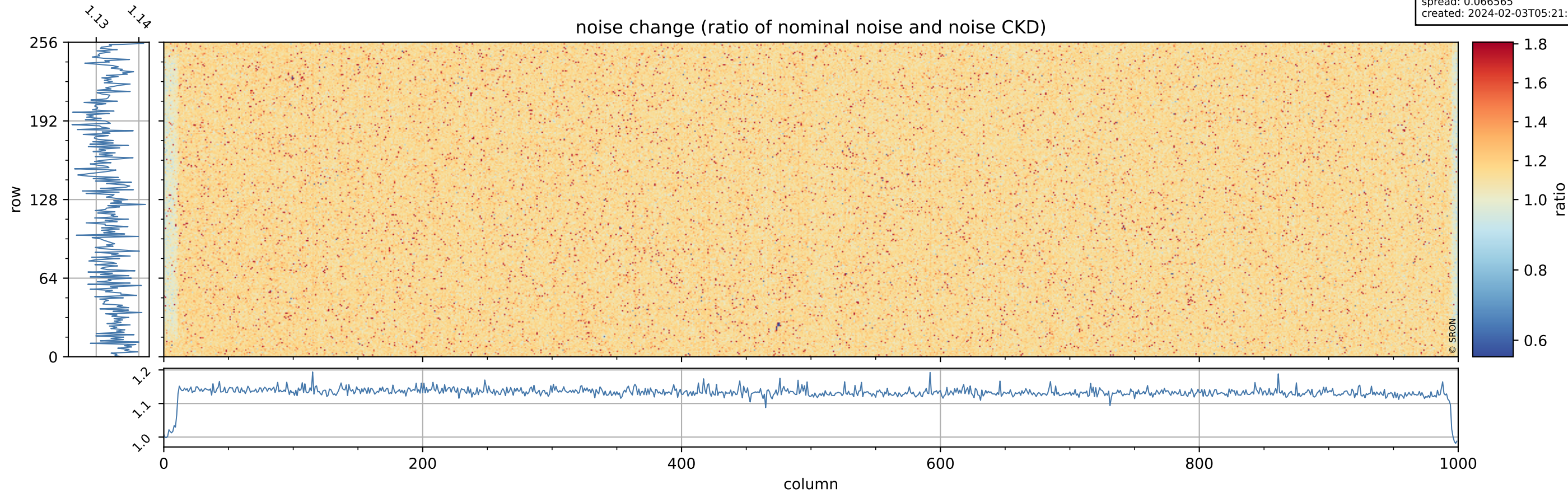
check on nominal noise  
(ratio of nominal and biweight noise)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
median: 1.1316  
spread: 0.066565  
created: 2024-02-03T05:21:19Z

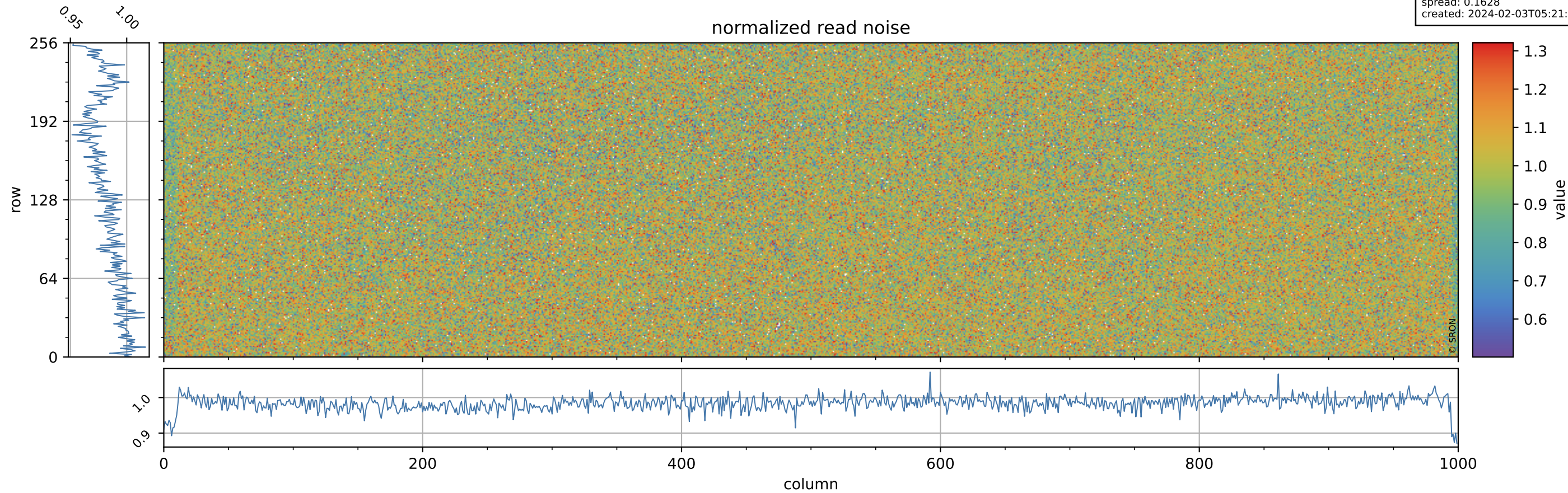
## noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
median: 0.98242  
spread: 0.1628  
created: 2024-02-03T05:21:19Z

## normalized read noise

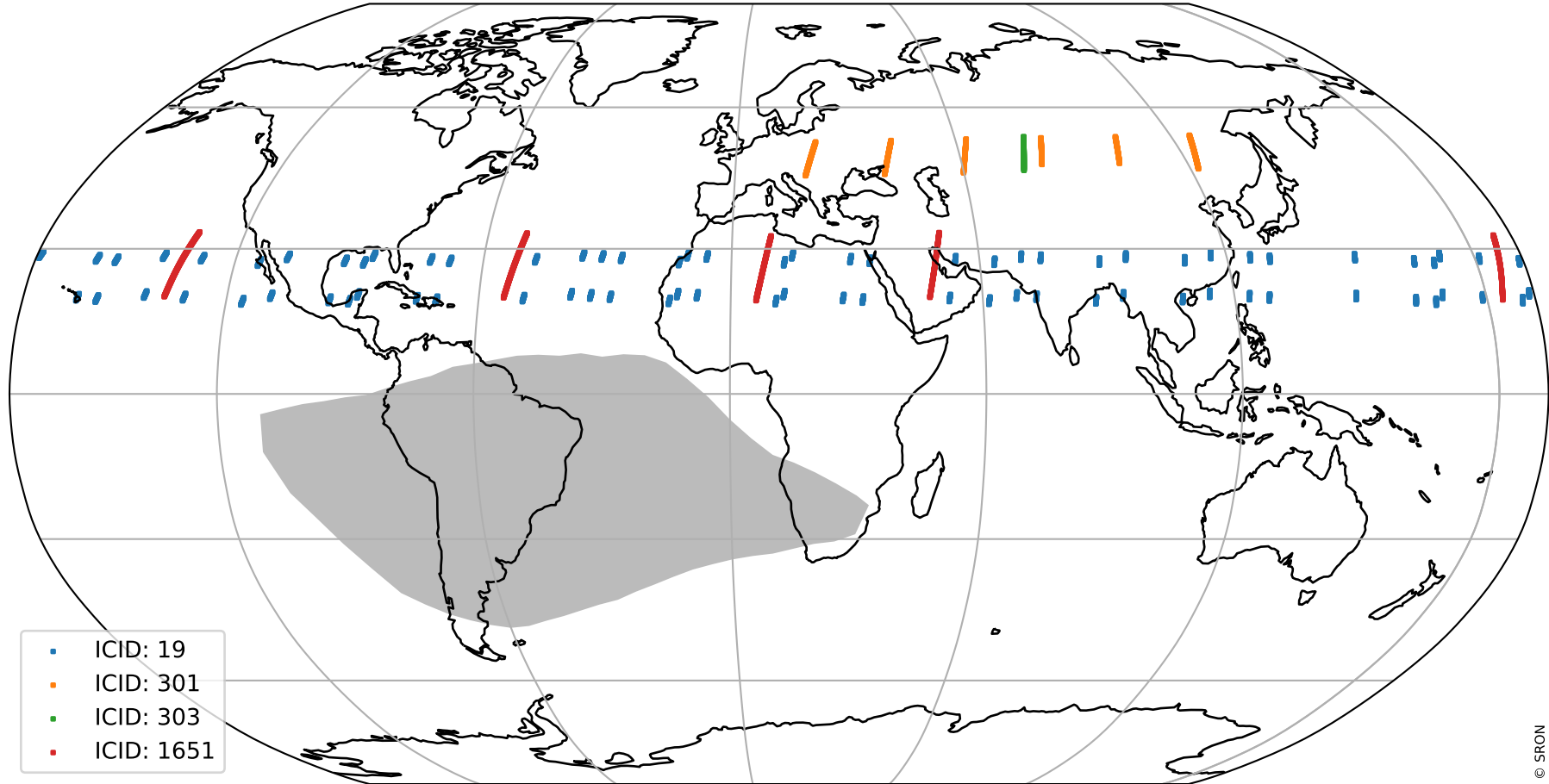




# Tropomi SWIR background noise (swir)

orbits: 12 in [32602, 32677]  
coverage: 2024-01-27 / 2024-02-02  
created: 2024-02-03T05:21:19Z

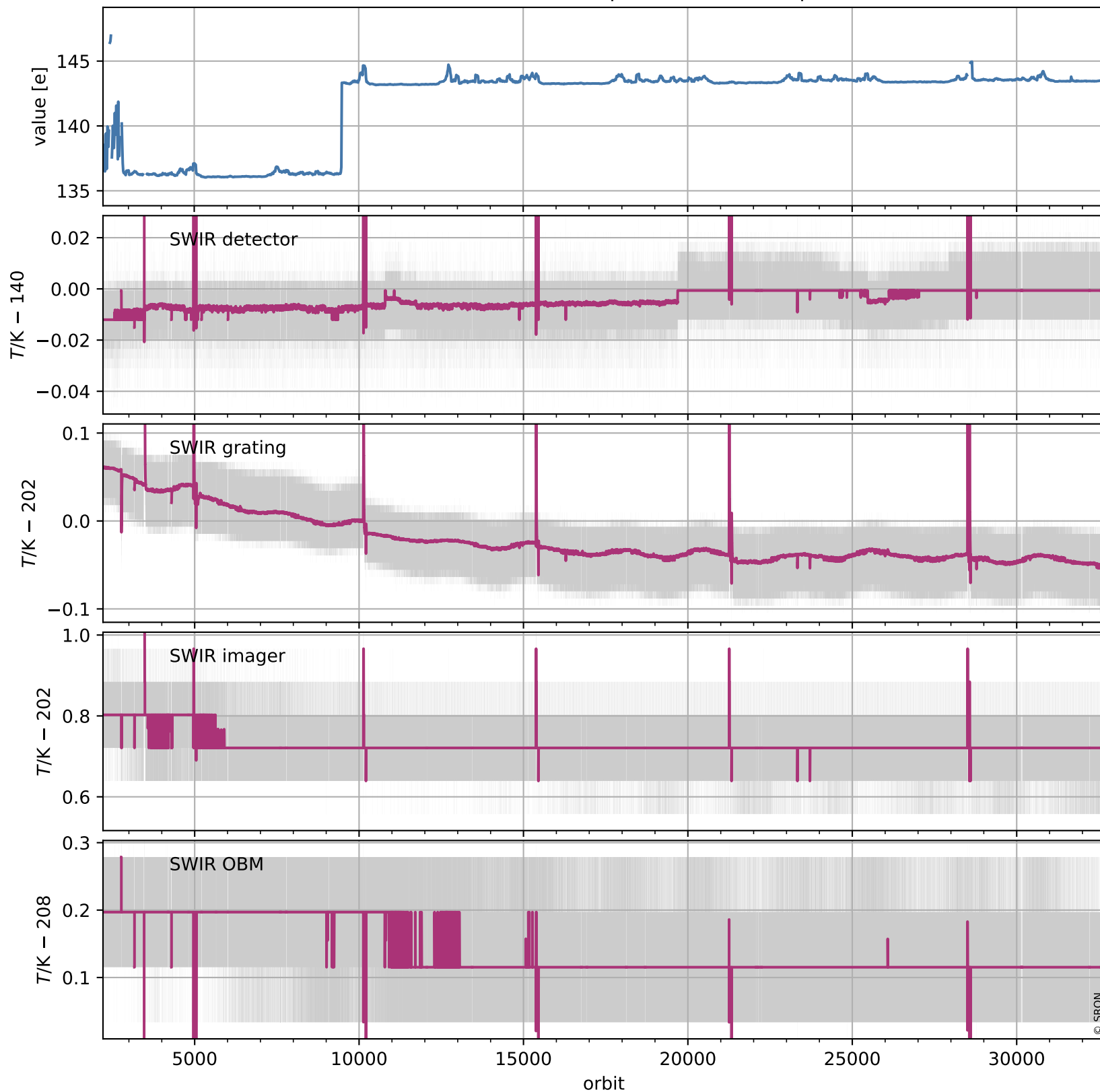
ground-tracks of Sentinel-5P



# Tropomi SWIR background noise (swir)

orbits: [2212, 32677]  
coverage: 2018-03-18 / 2024-02-02  
created: 2024-02-03T05:21:20Z

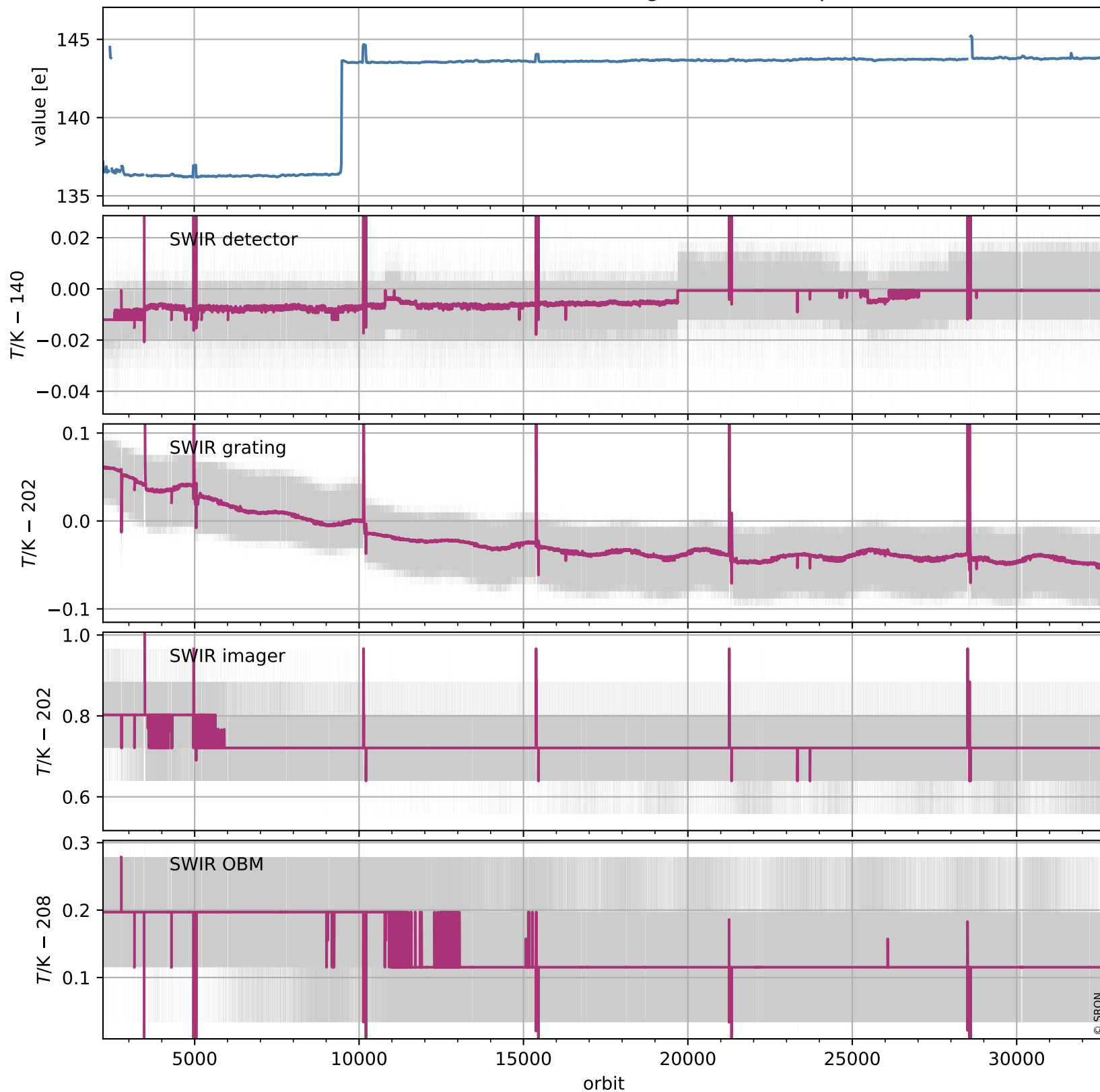
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32677]  
coverage: 2018-03-18 / 2024-02-02  
created: 2024-02-03T05:21:21Z

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32677]  
coverage: 2018-03-18 / 2024-02-02  
created: 2024-02-03T05:21:22Z

## trend of normalized read-noise & temperatures

