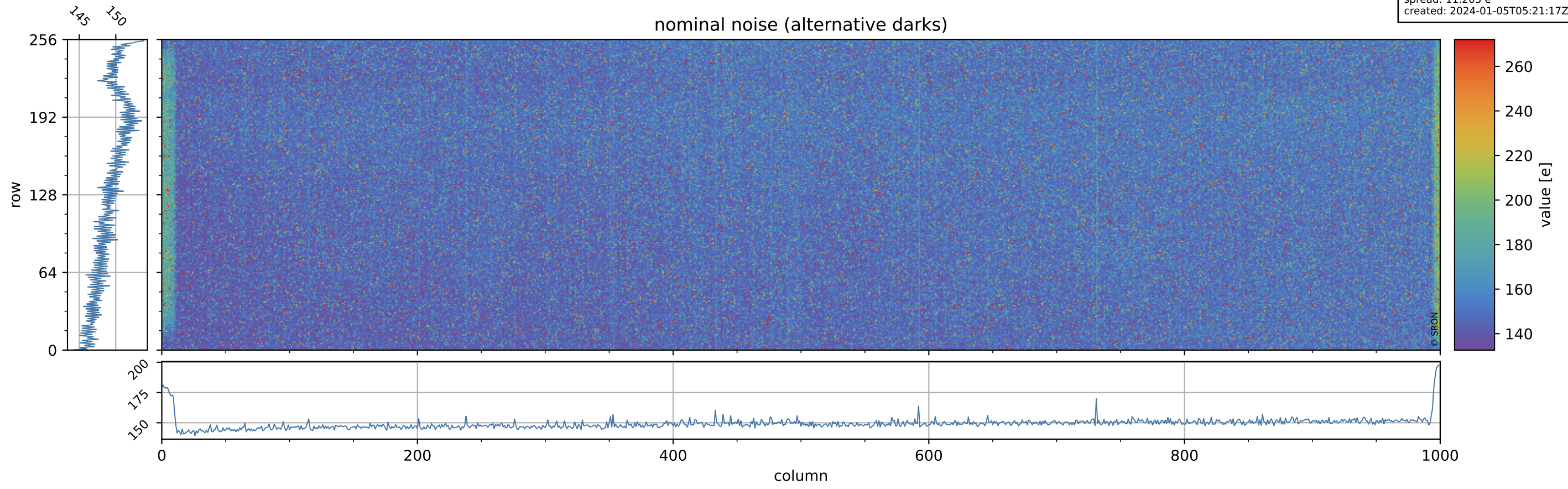


# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
n\_coad, t\_exp: 1, 1.0783  
median: 149.07 e  
spread: 11.205 e  
created: 2024-01-05T05:21:17Z

## nominal noise (alternative darks)

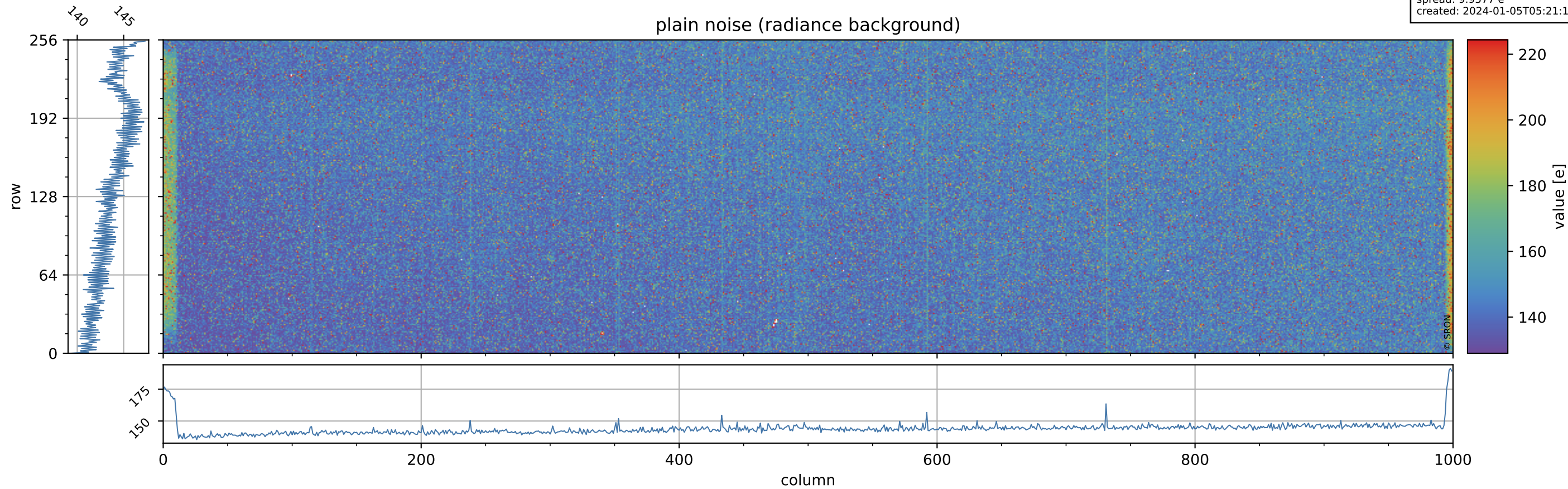




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
n\_coad, t\_exp: 1, 0.8383  
median: 143.61 e  
spread: 9.9577 e  
created: 2024-01-05T05:21:17Z

## plain noise (radiance background)

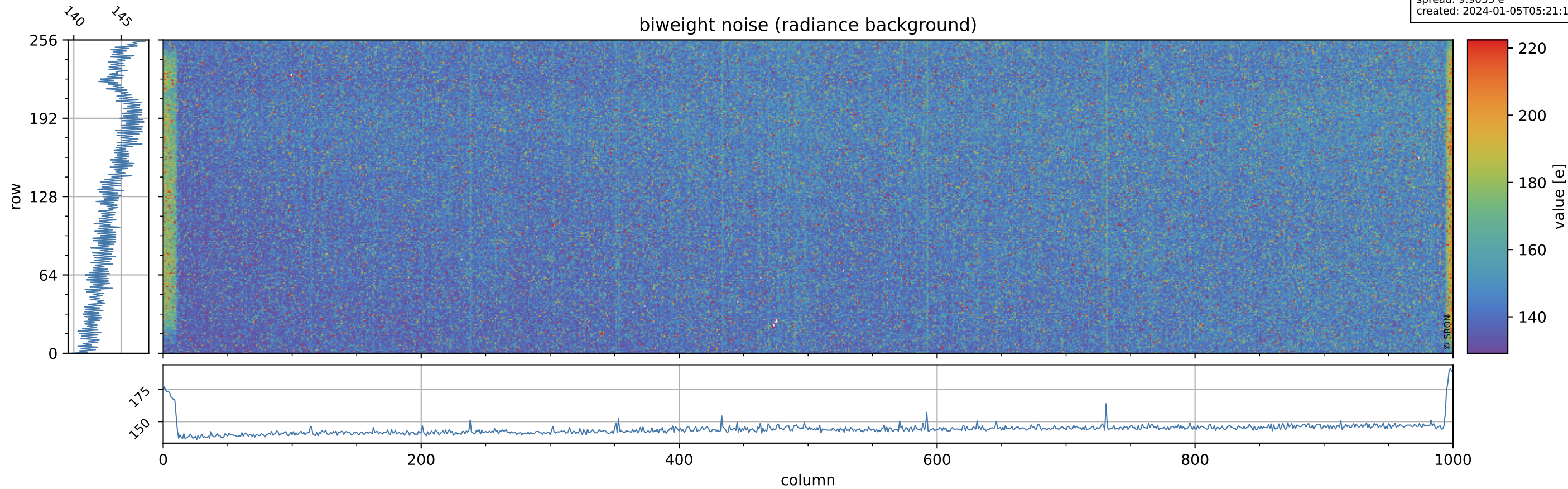




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
n\_coad, t\_exp: 1, 0.8383  
median: 143.93 e  
spread: 9.9053 e  
created: 2024-01-05T05:21:17Z

## biweight noise (radiance background)

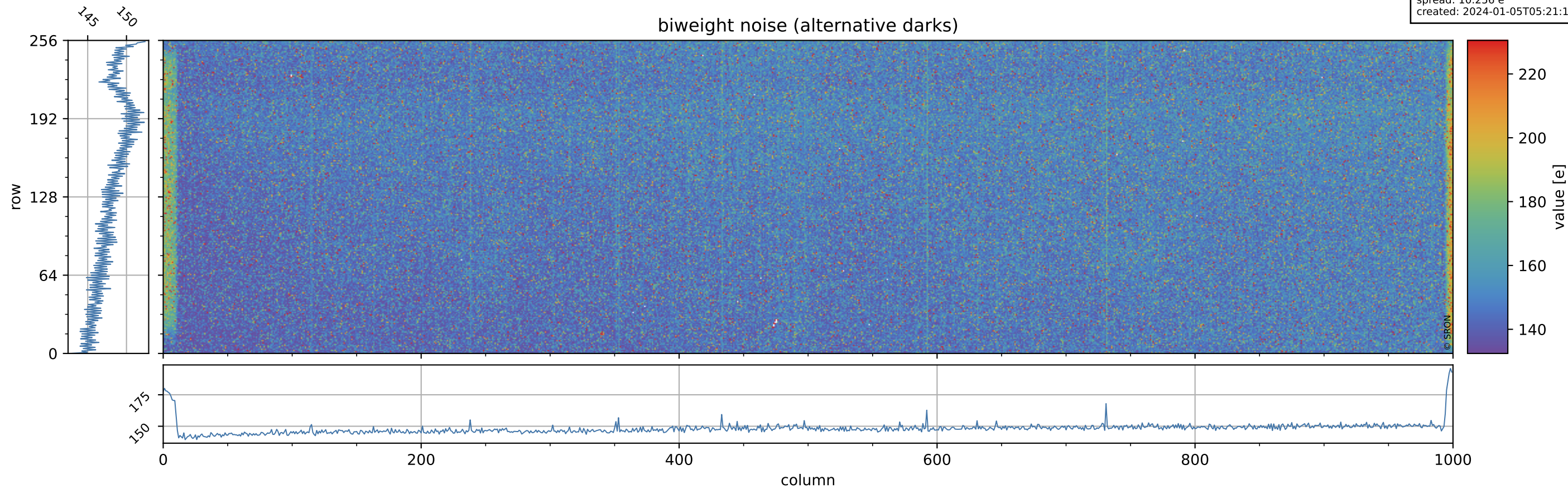




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
n\_coad, t\_exp: 1, 1.0783  
median: 147.96 e  
spread: 10.256 e  
created: 2024-01-05T05:21:18Z

## biweight noise (alternative darks)

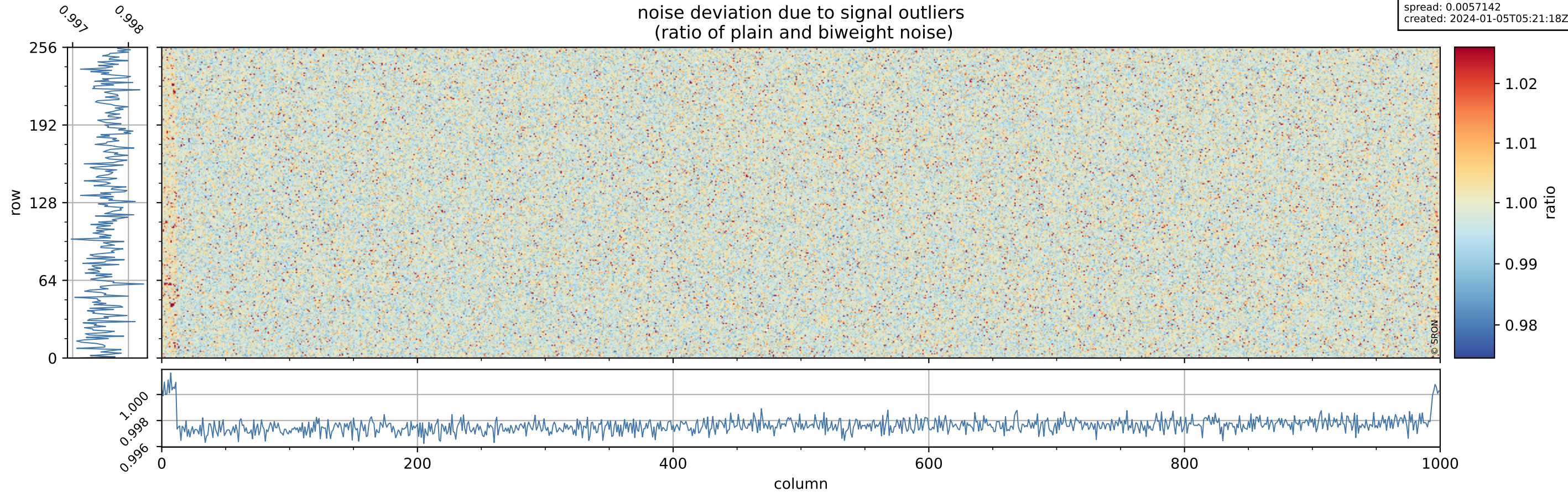




# Tropomi SWIR background noise (swir)

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

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
median: 0.99761  
spread: 0.0057142  
created: 2024-01-05T05:21:18Z

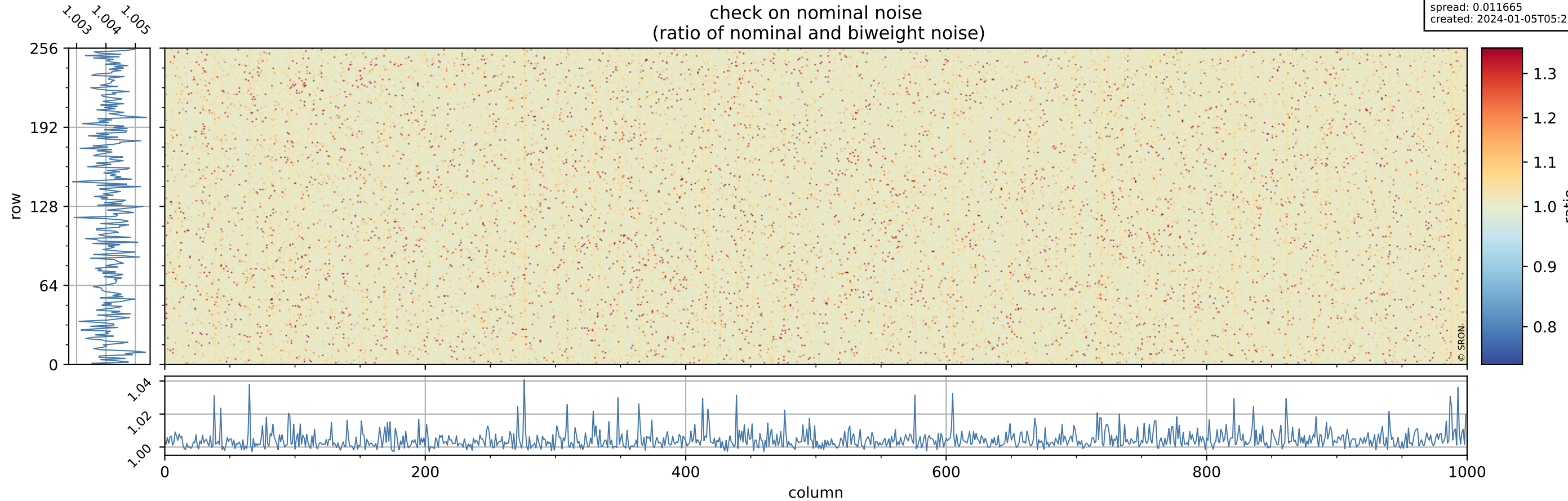




# Tropomi SWIR background noise (swir)

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

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
median: 1.0038  
spread: 0.011665  
created: 2024-01-05T05:21:18Z

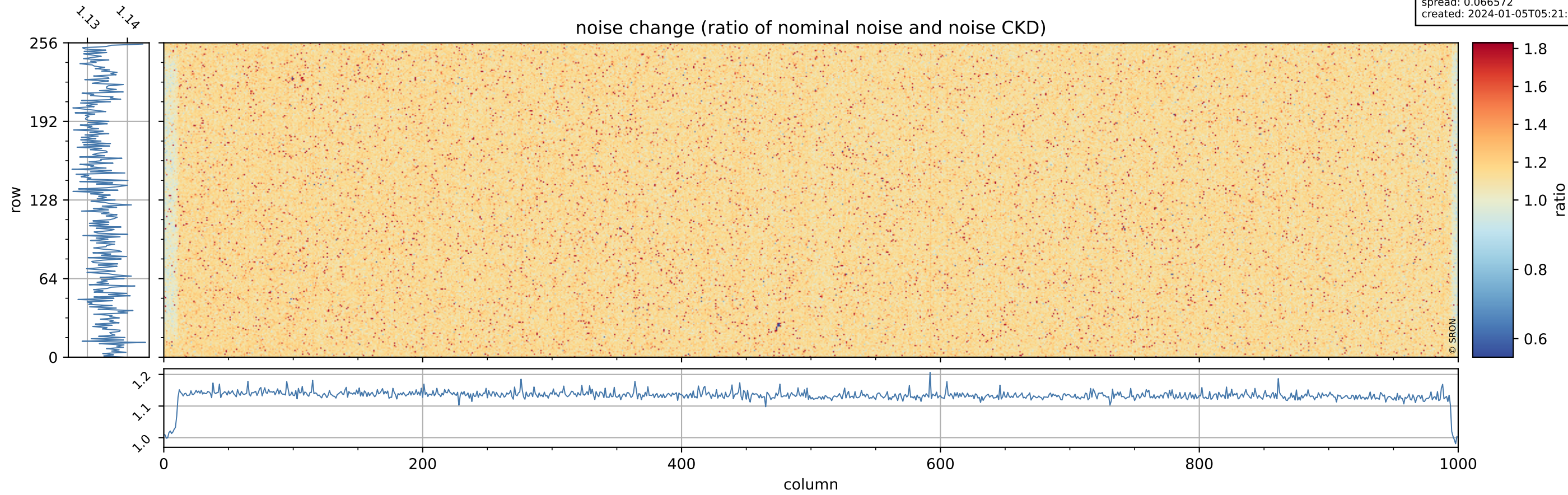




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
median: 1.1323  
spread: 0.066572  
created: 2024-01-05T05:21:18Z

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

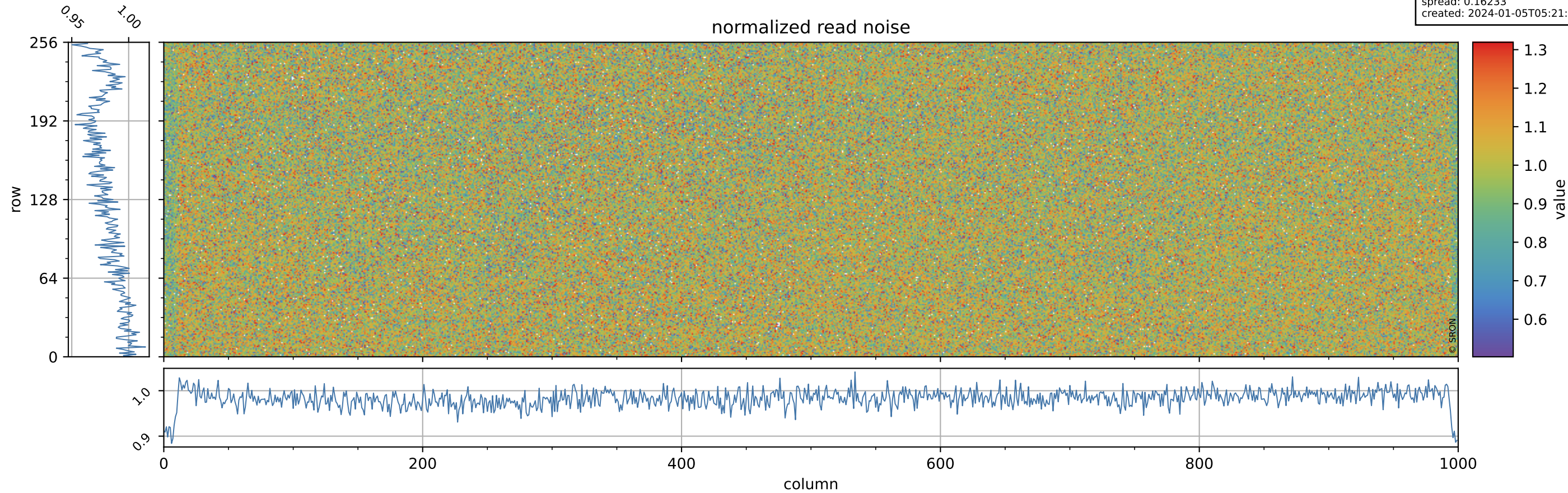




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
median: 0.98149  
spread: 0.16233  
created: 2024-01-05T05:21:19Z

## normalized read noise

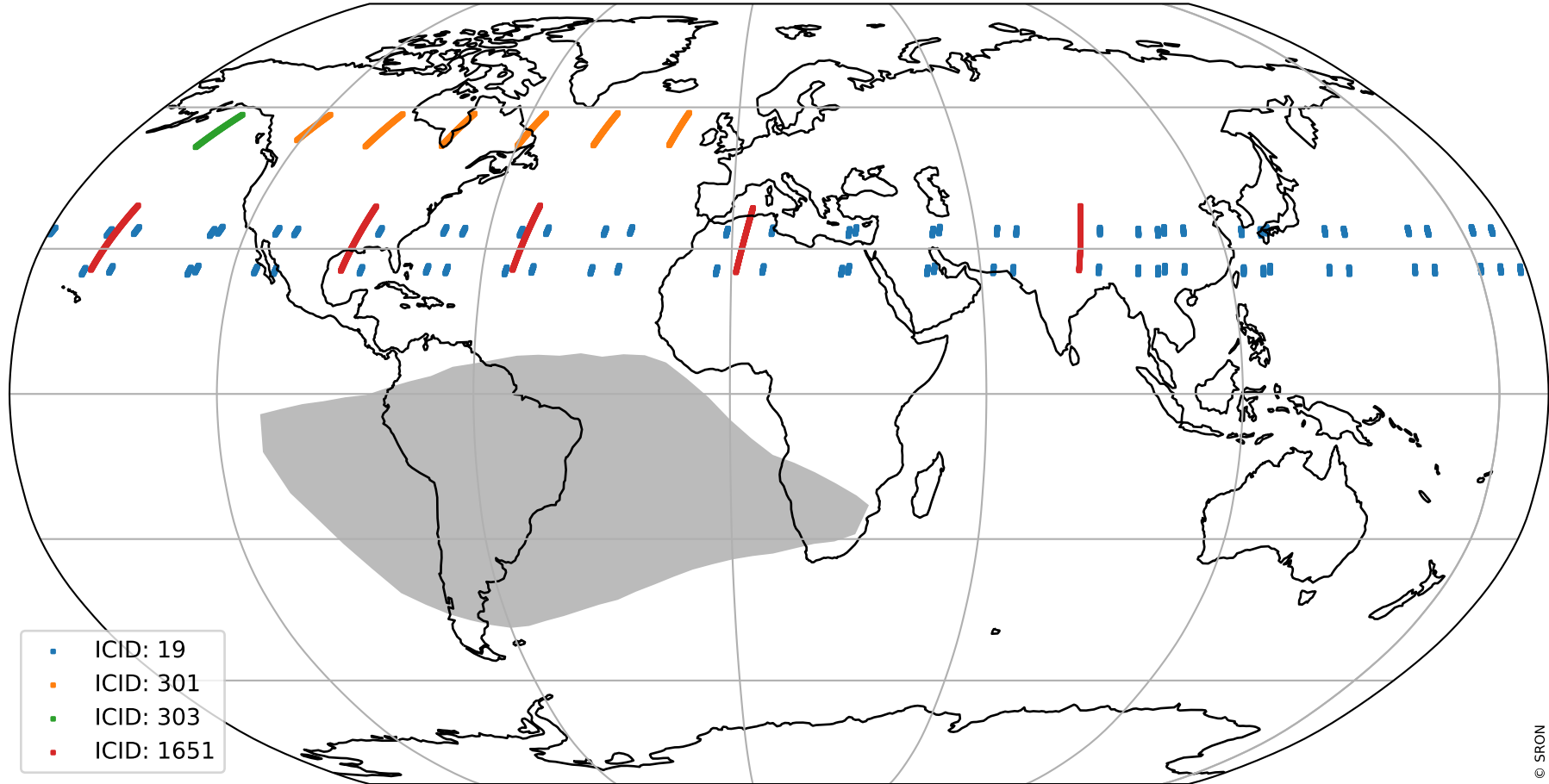




# Tropomi SWIR background noise (swir)

orbits: 12 in [32167, 32257]  
coverage: 2023-12-29 / 2024-01-04  
created: 2024-01-05T05:21:19Z

ground-tracks of Sentinel-5P

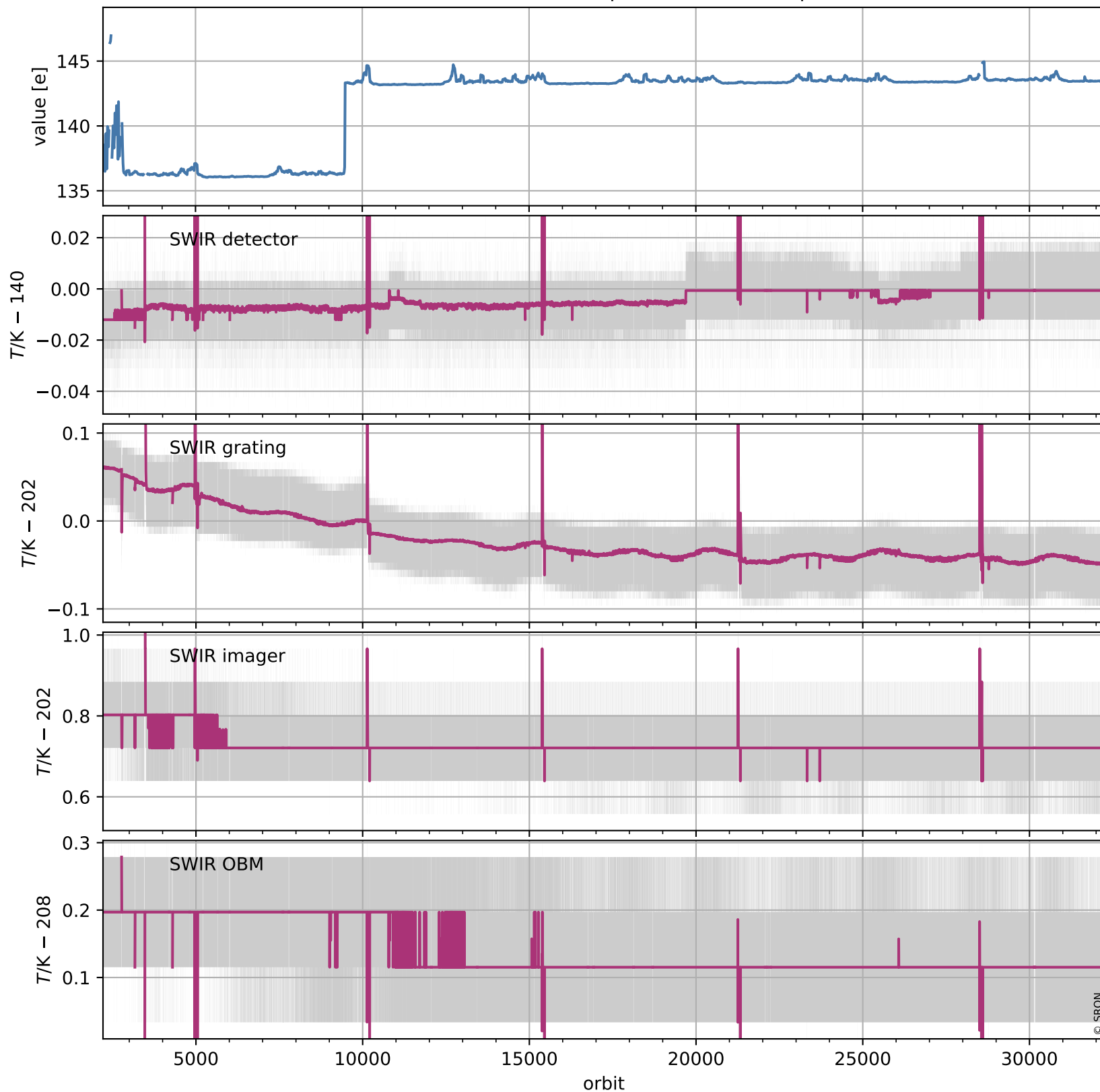




# Tropomi SWIR background noise (swir)

orbits: [2212, 32257]  
coverage: 2018-03-18 / 2024-01-04  
created: 2024-01-05T05:21:19Z

## trend of detector median of plain noise & temperatures

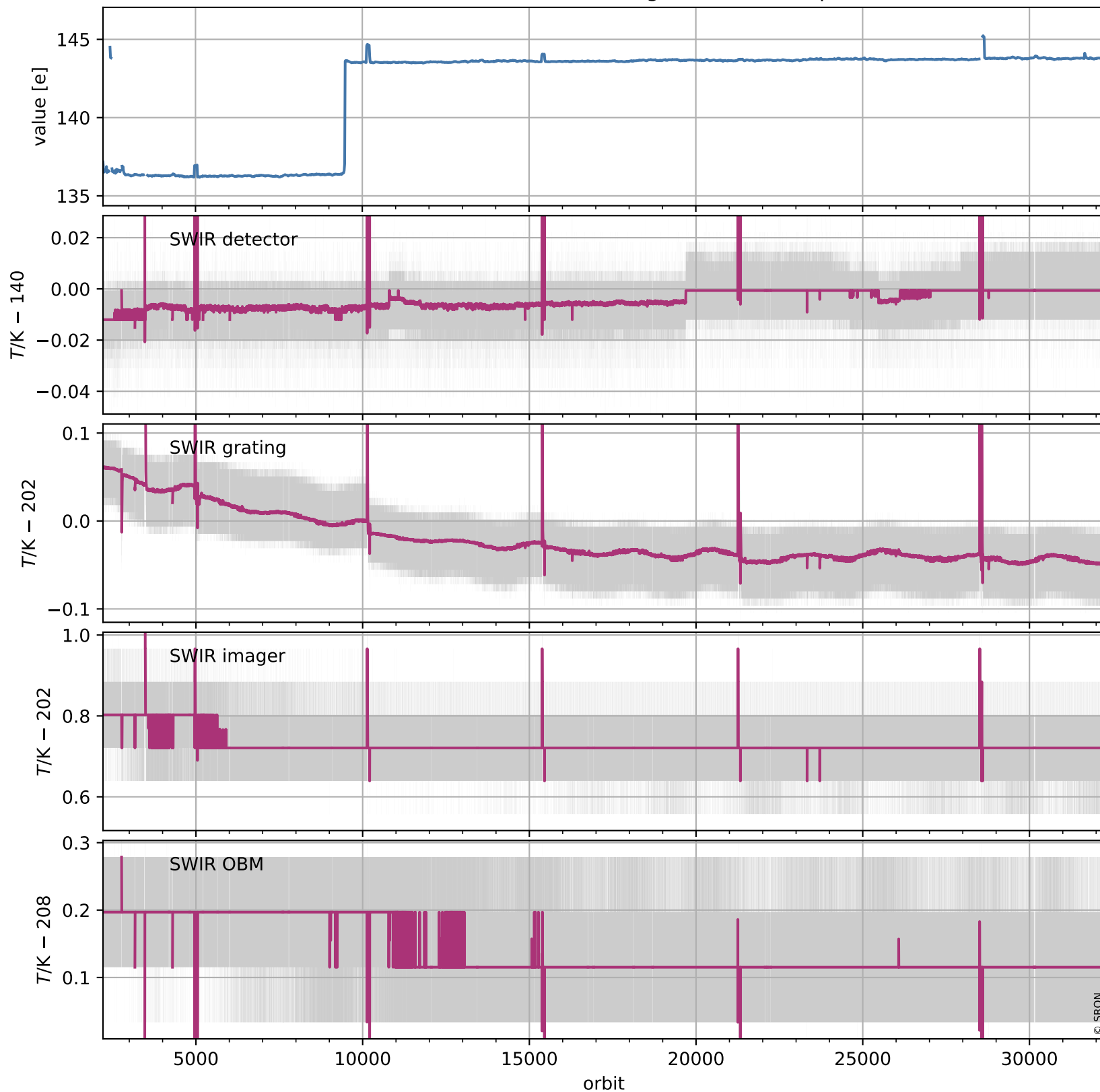




# Tropomi SWIR background noise (swir)

orbits: [2212, 32257]  
coverage: 2018-03-18 / 2024-01-04  
created: 2024-01-05T05:21:20Z

## trend of detector median of biweight noise & temperatures





# Tropomi SWIR background noise (swir)

orbits: [2212, 32257]  
coverage: 2018-03-18 / 2024-01-04  
created: 2024-01-05T05:21:21Z

## trend of normalized read-noise & temperatures

