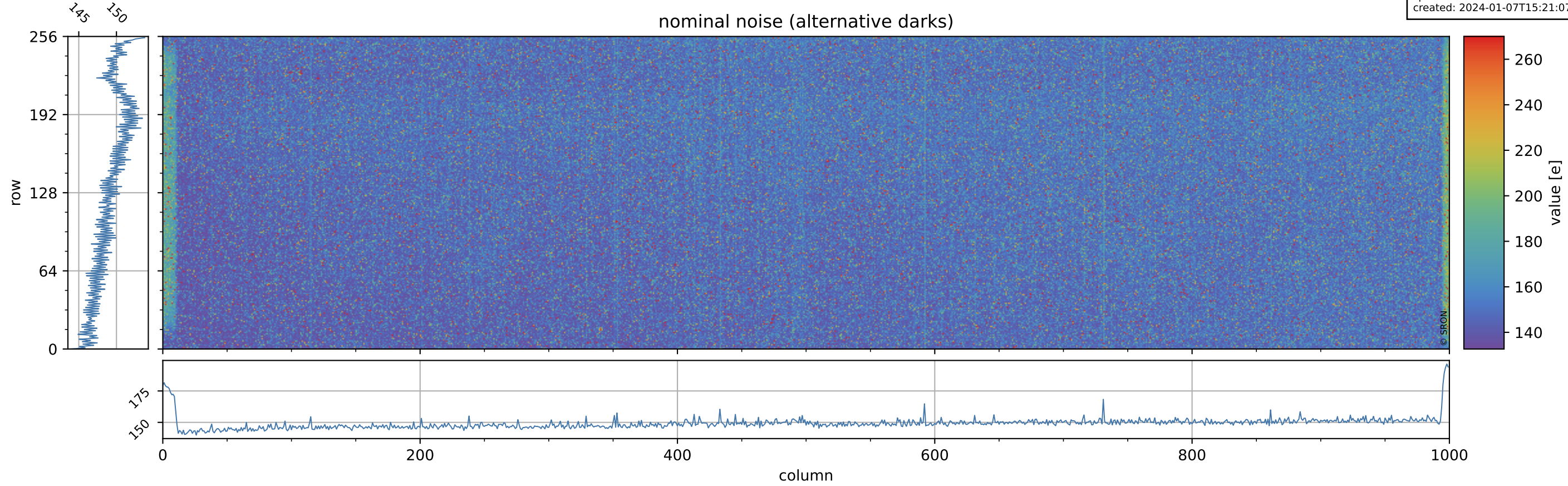


# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
n\_coad, t\_exp: 1, 1.0783  
median: 149.03 e  
spread: 11.186 e  
created: 2024-01-07T15:21:07Z

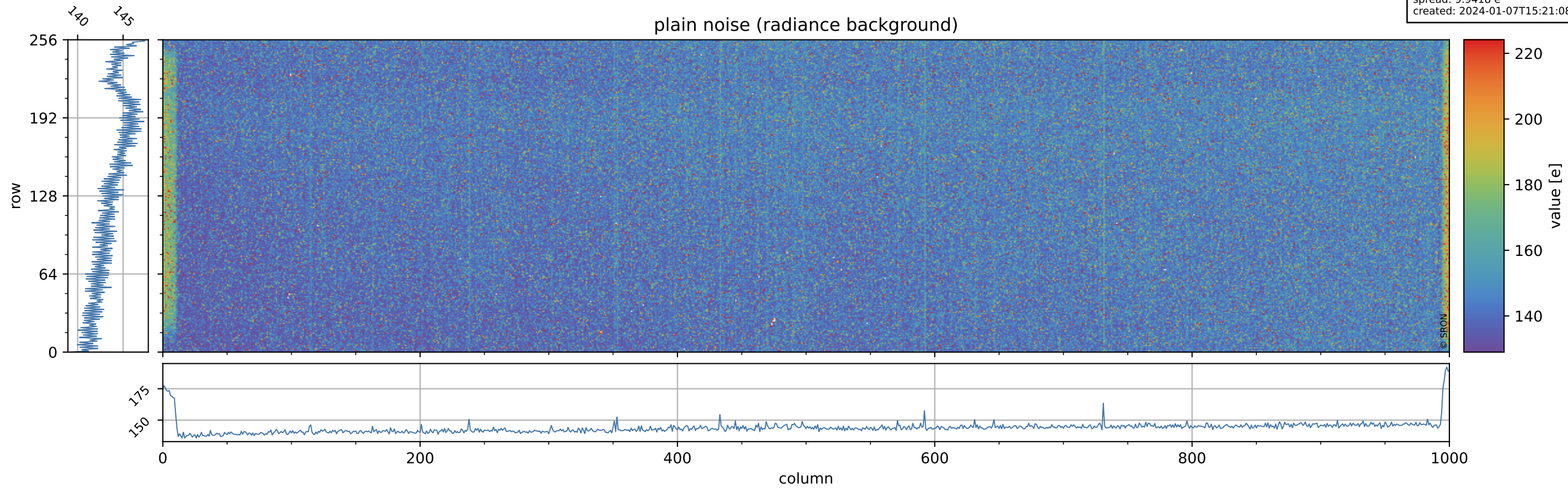
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
n\_coad, t\_exp: 1, 0.8383  
median: 143.61 e  
spread: 9.9418 e  
created: 2024-01-07T15:21:08Z

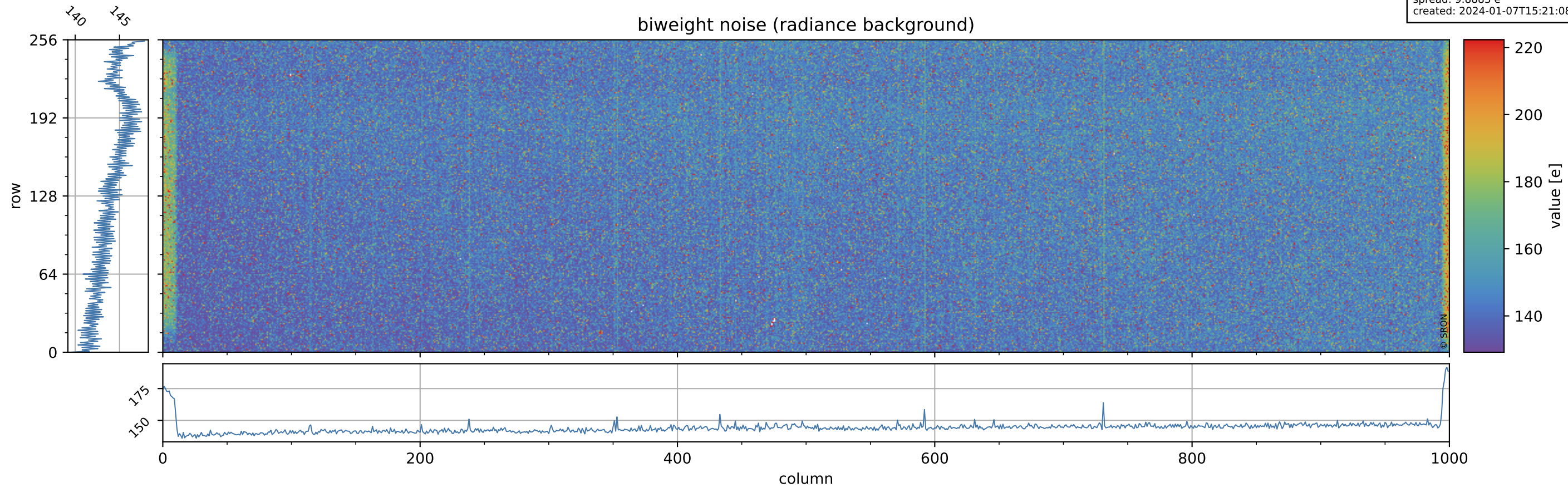
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
n\_coad, t\_exp: 1, 0.8383  
median: 143.93 e  
spread: 9.8883 e  
created: 2024-01-07T15:21:08Z

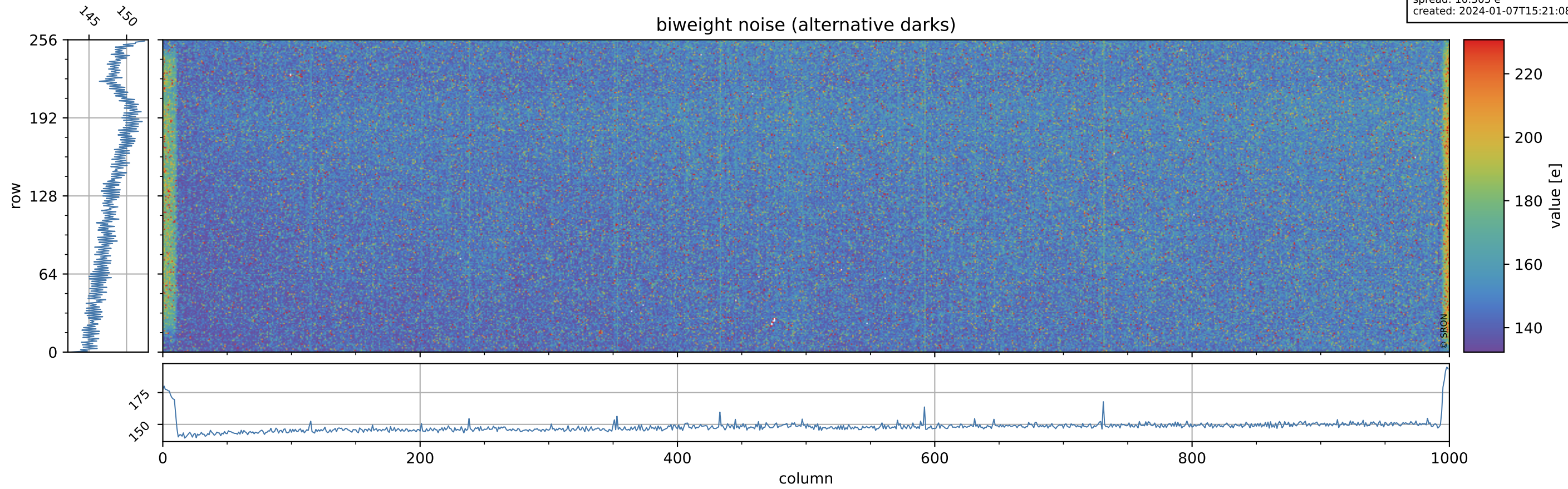
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
n\_coad, t\_exp: 1, 1.0783  
median: 147.93 e  
spread: 10.305 e  
created: 2024-01-07T15:21:08Z

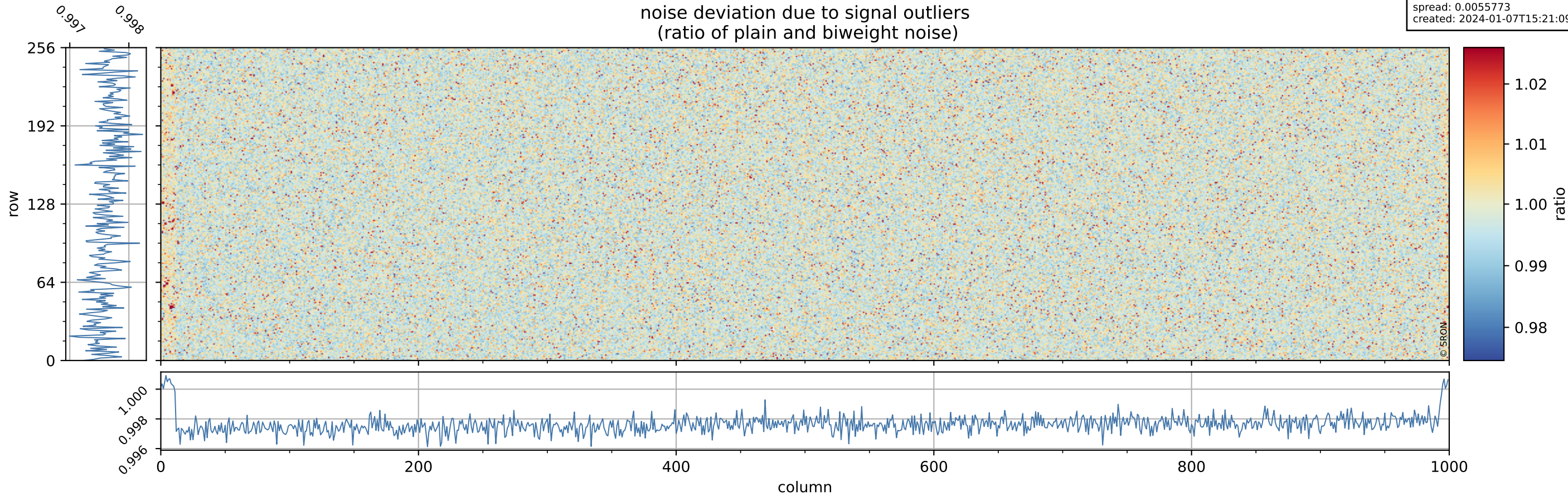
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

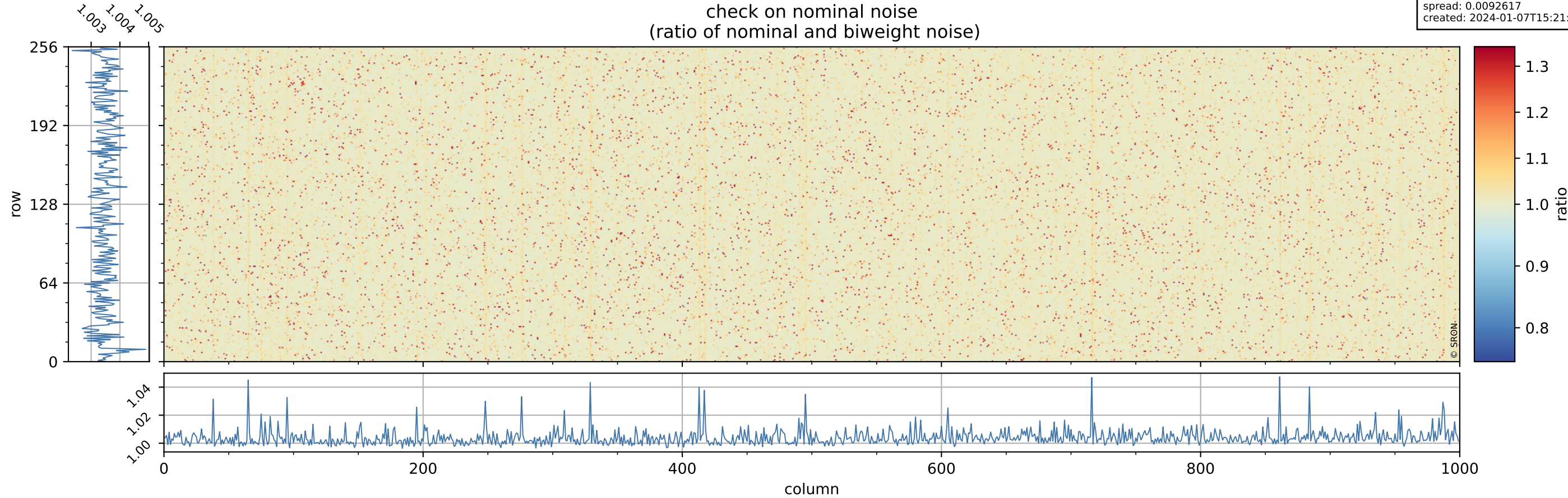
orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
median: 0.99761  
spread: 0.0055773  
created: 2024-01-07T15:21:09Z



# Tropomi SWIR background noise (swir)

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

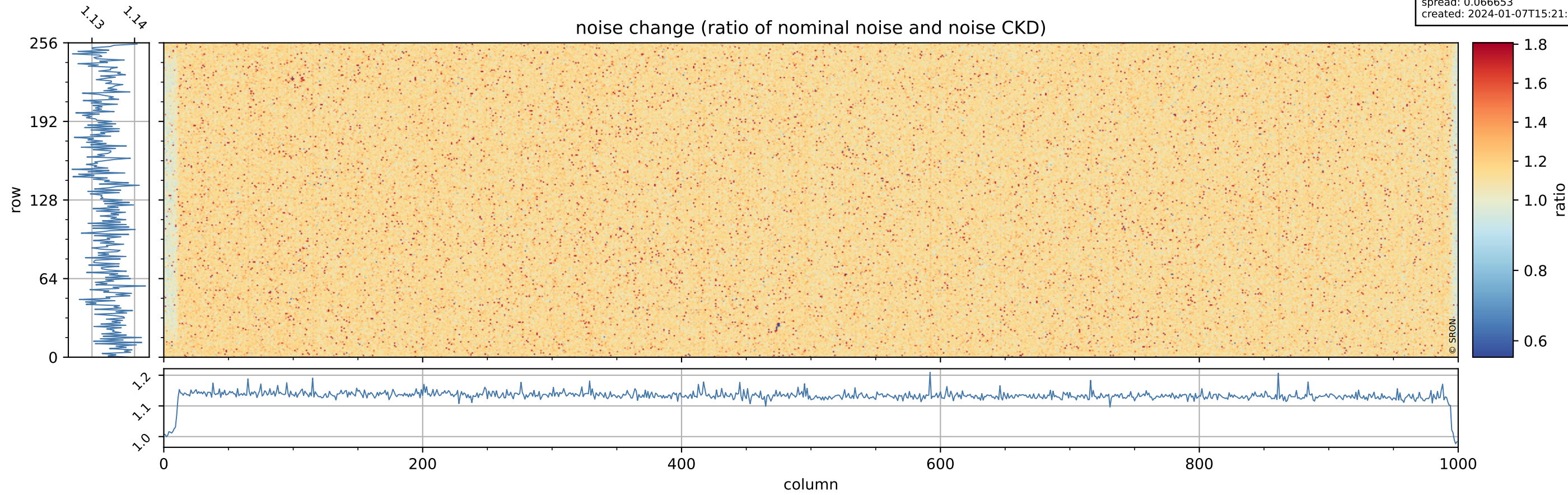
orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
median: 1.0032  
spread: 0.0092617  
created: 2024-01-07T15:21:09Z



# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
median: 1.132  
spread: 0.066653  
created: 2024-01-07T15:21:09Z

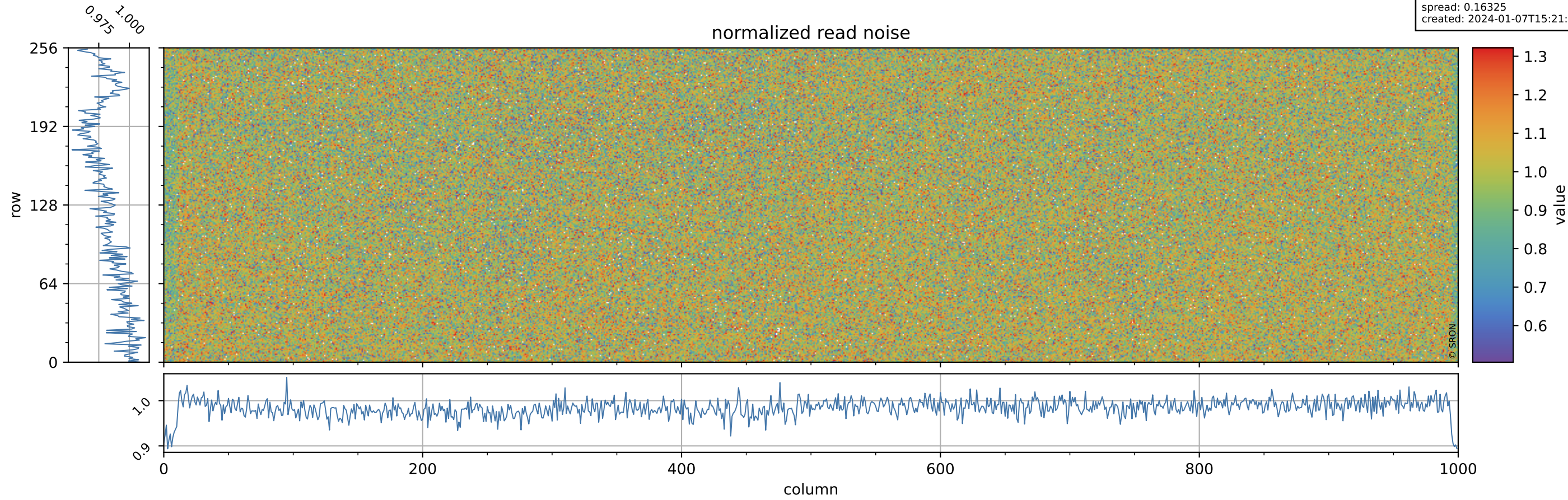
## noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
median: 0.98251  
spread: 0.16325  
created: 2024-01-07T15:21:09Z

## normalized read noise

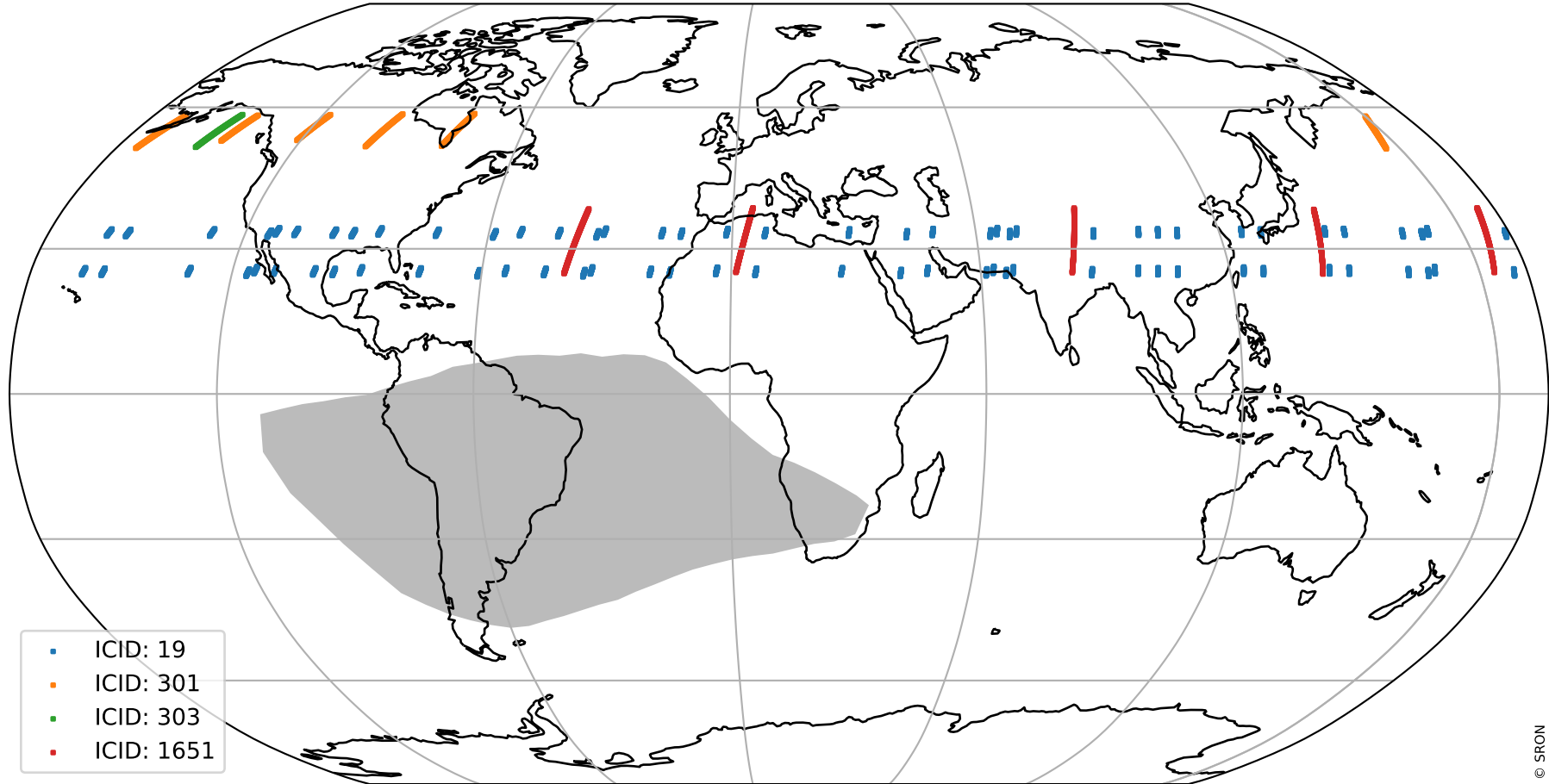




# Tropomi SWIR background noise (swir)

orbits: 12 in [32212, 32302]  
coverage: 2024-01-01 / 2024-01-06  
created: 2024-01-07T15:21:10Z

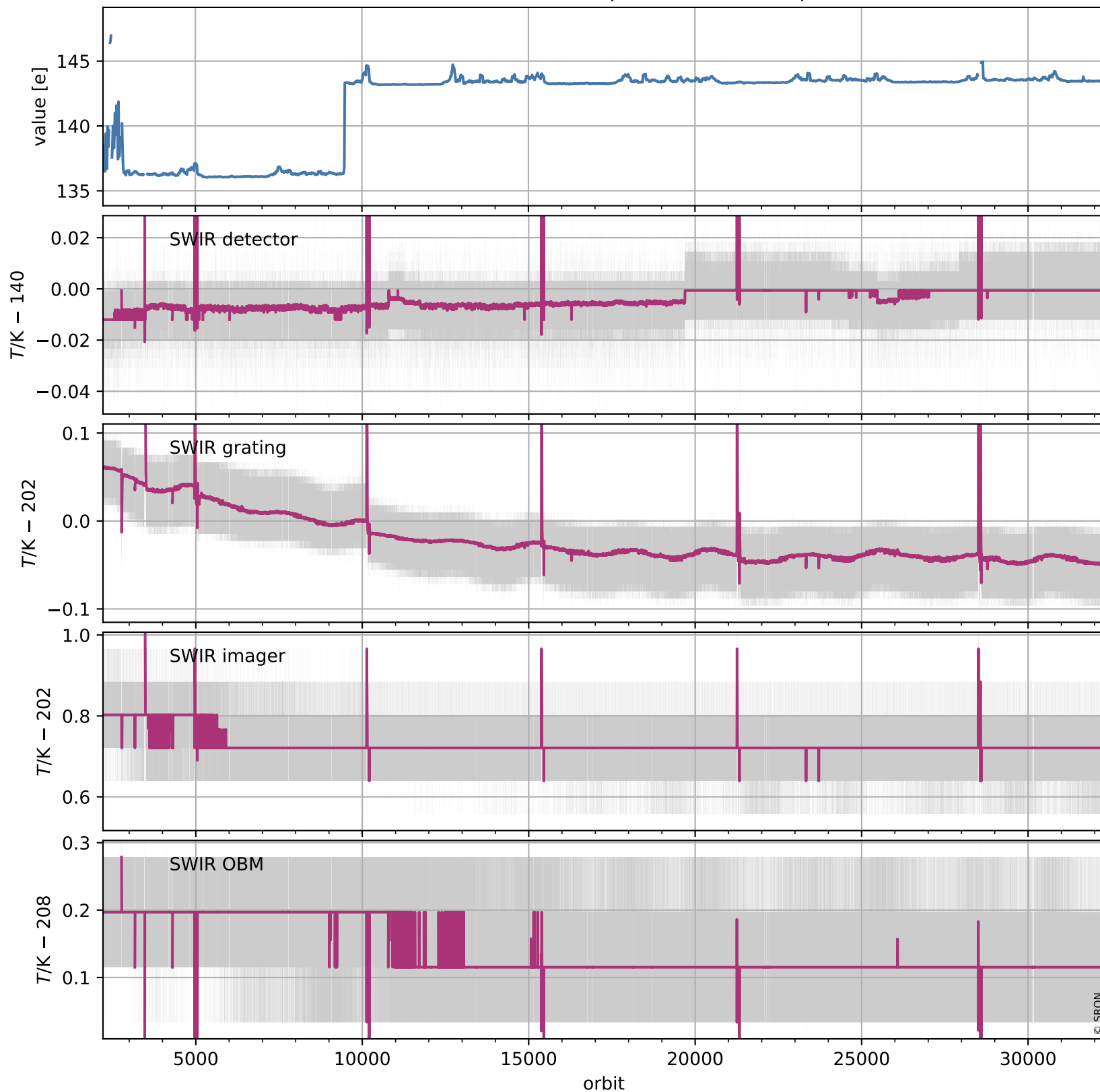
ground-tracks of Sentinel-5P



# Tropomi SWIR background noise (swir)

orbits: [2212, 32302]  
coverage: 2018-03-18 / 2024-01-06  
created: 2024-01-07T15:21:10Z

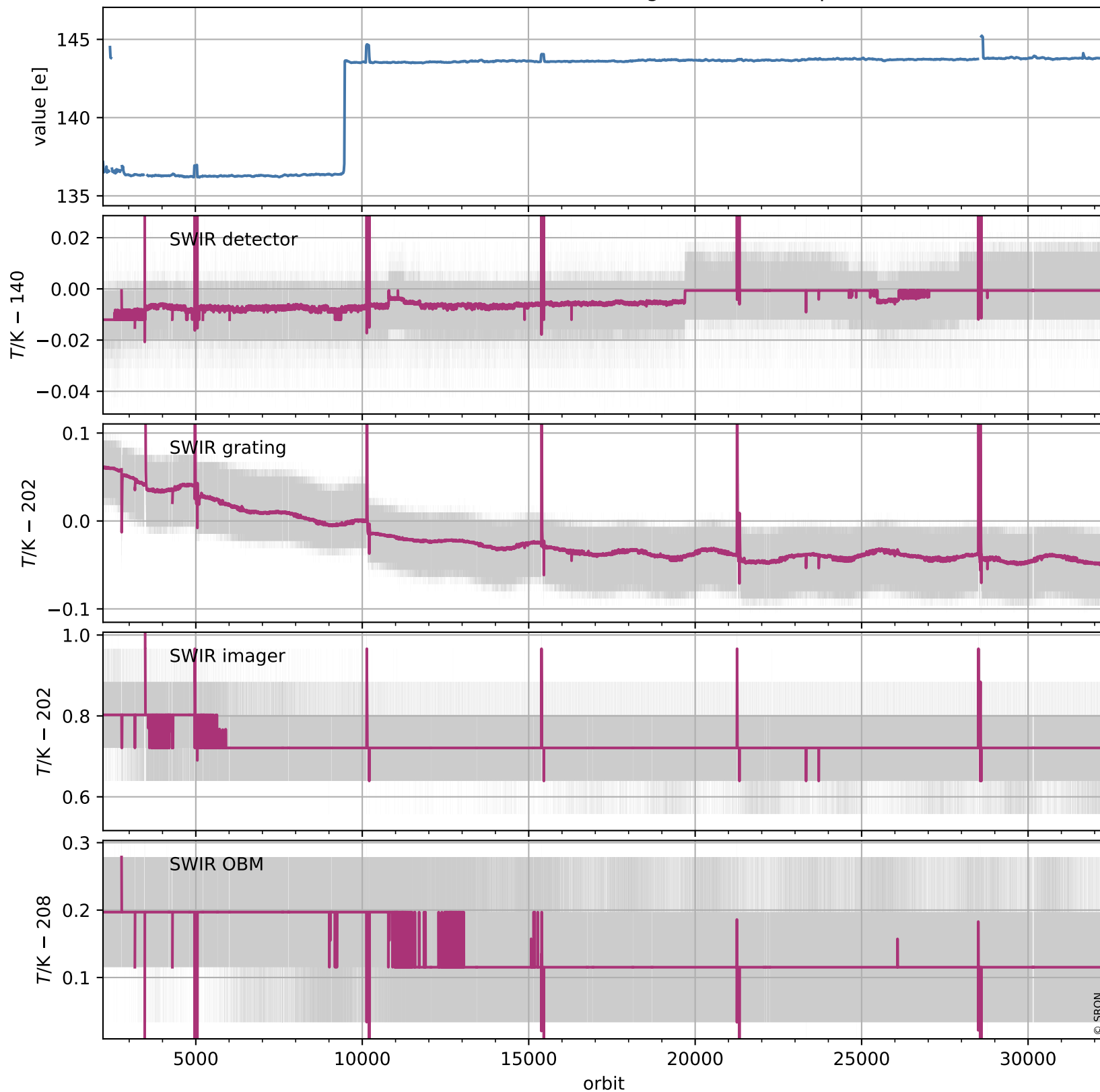
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32302]  
coverage: 2018-03-18 / 2024-01-06  
created: 2024-01-07T15:21:11Z

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits: [2212, 32302]  
coverage: 2018-03-18 / 2024-01-06  
created: 2024-01-07T15:21:12Z

## trend of normalized read-noise & temperatures

