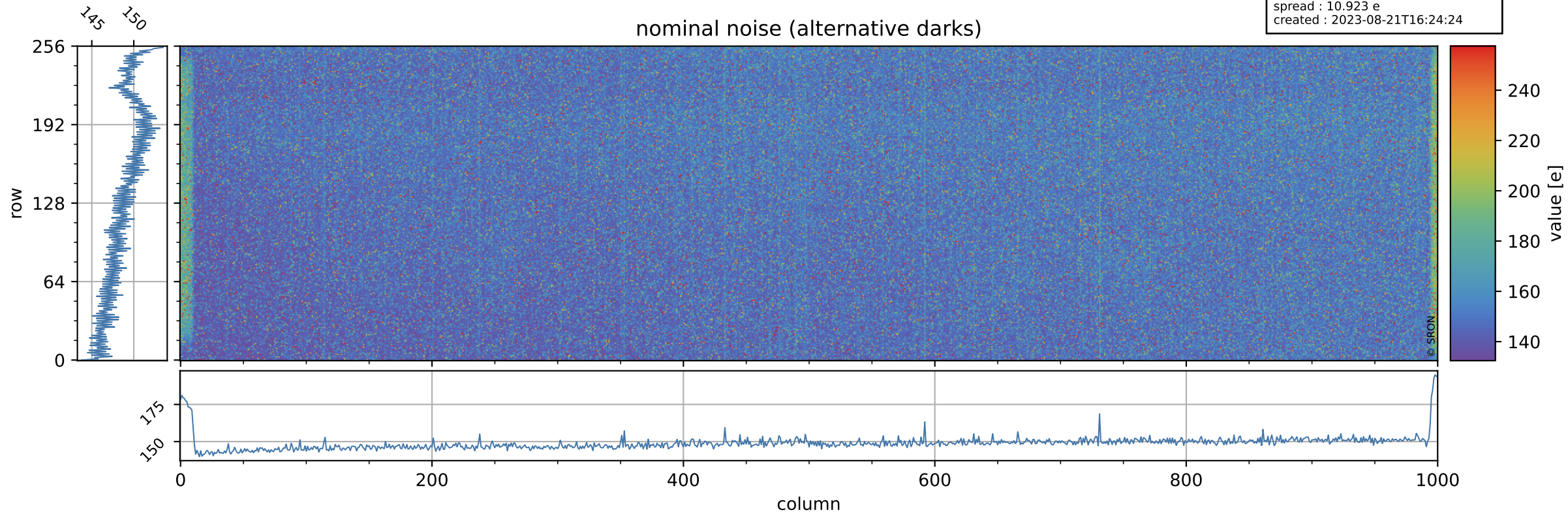


# Tropomi SWIR background noise (swir)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 10.923 e  
created : 2023-08-21T16:24:24

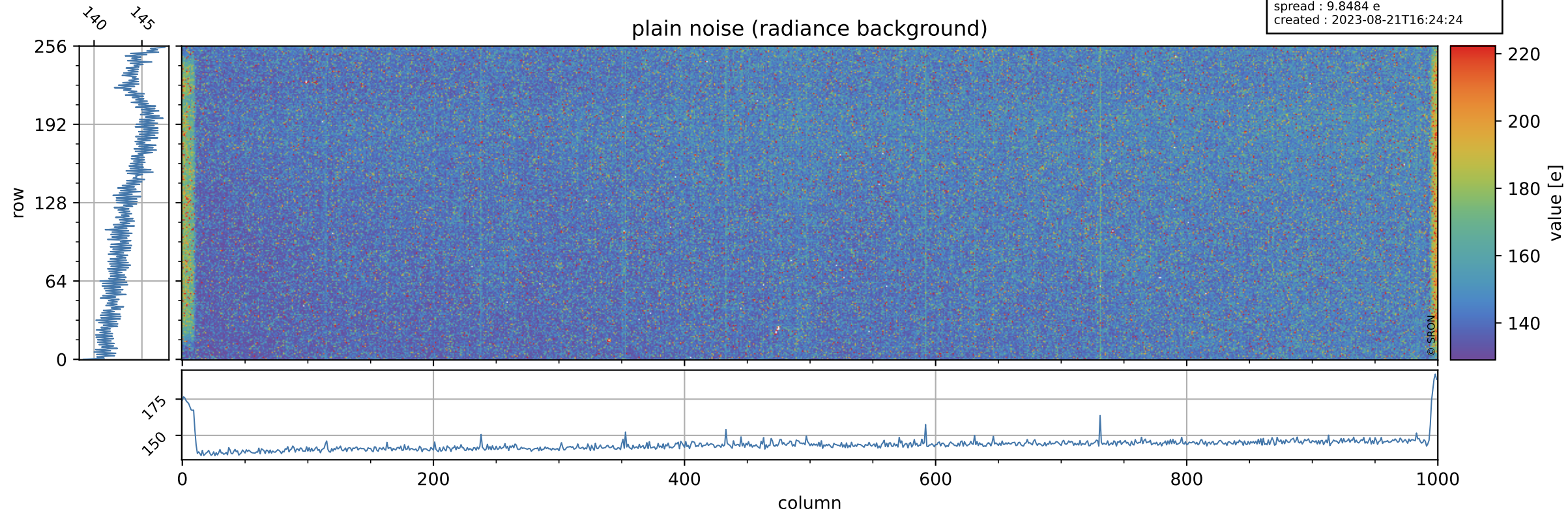
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.48 e  
spread : 9.8484 e  
created : 2023-08-21T16:24:24

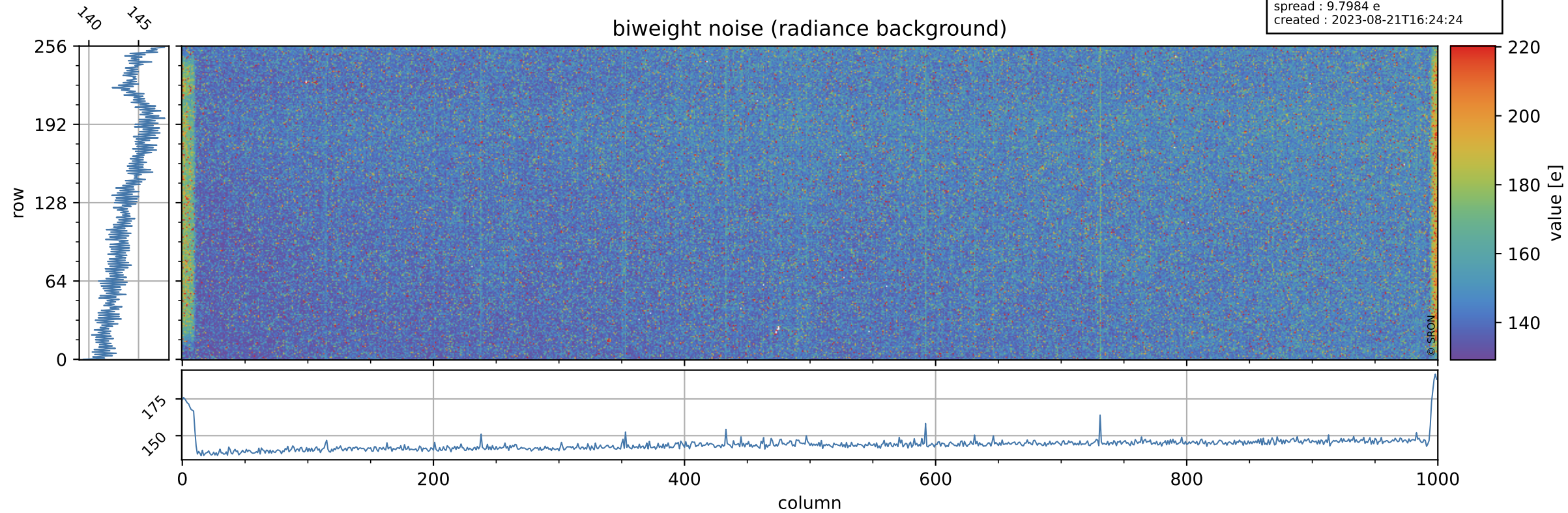
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.7984 e  
created : 2023-08-21T16:24:24

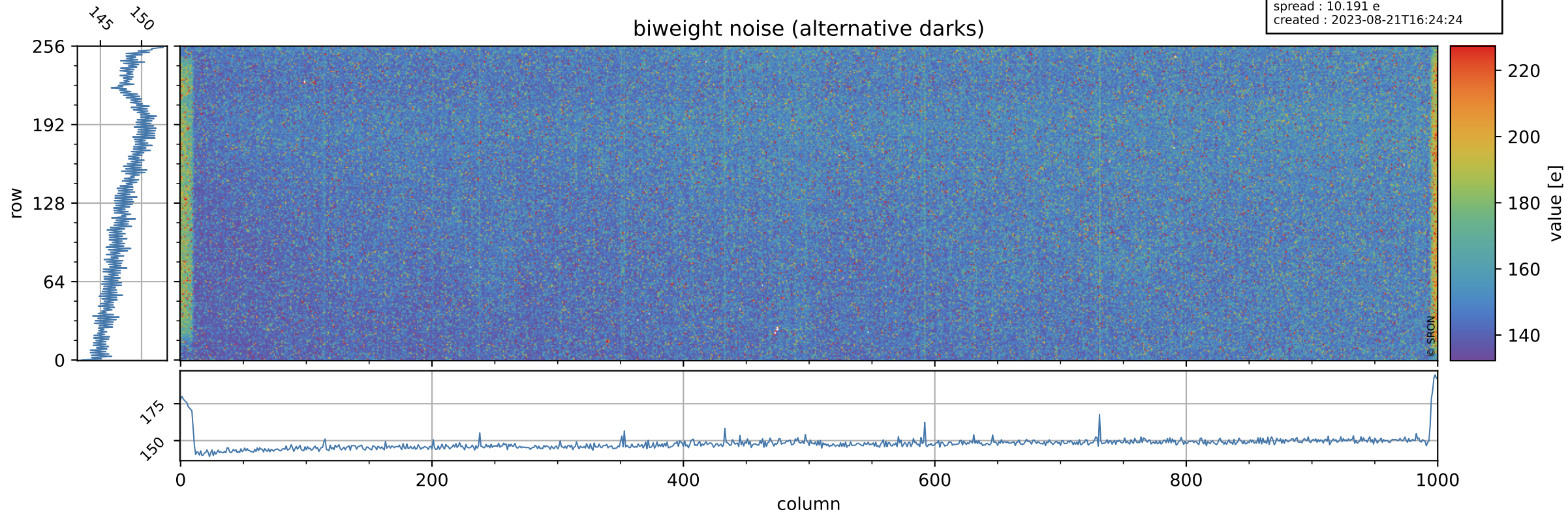
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.191 e  
created : 2023-08-21T16:24:24

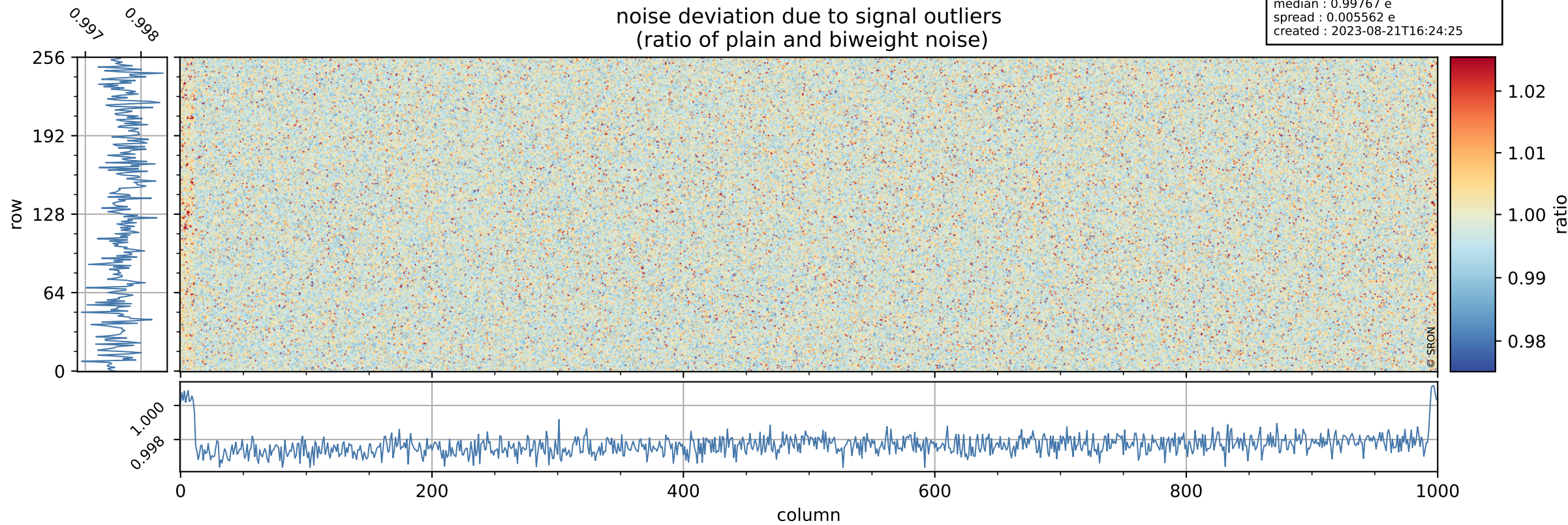
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

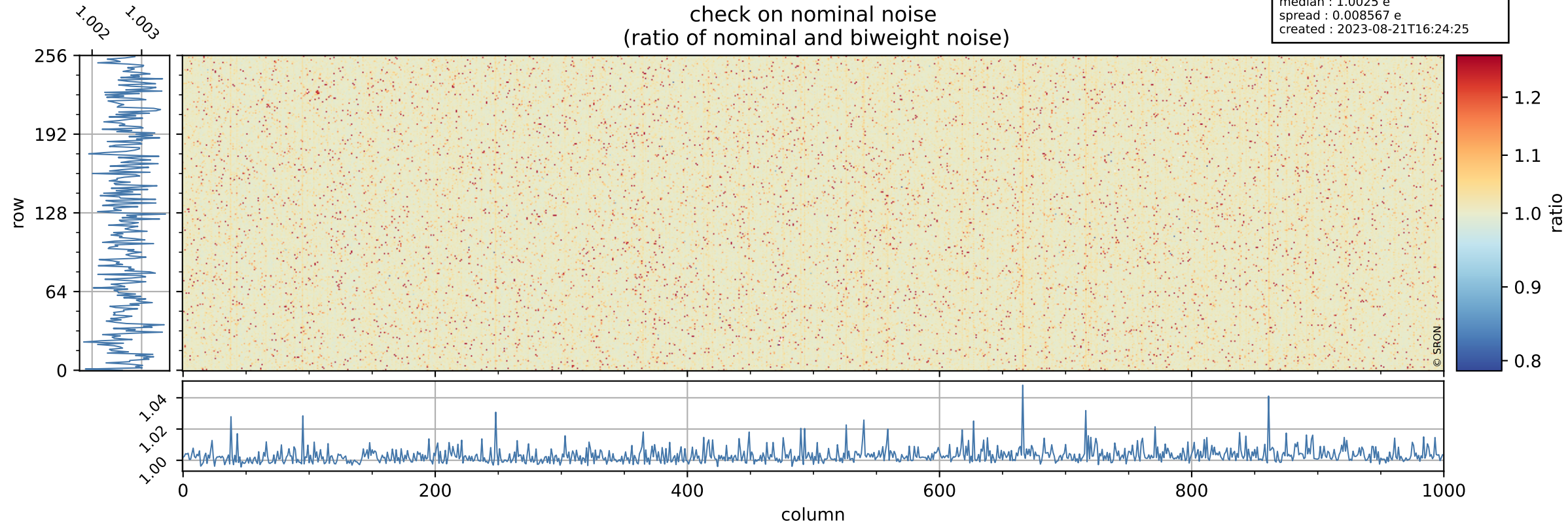
orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
median : 0.99767 e  
spread : 0.005562 e  
created : 2023-08-21T16:24:25



# Tropomi SWIR background noise (swir)

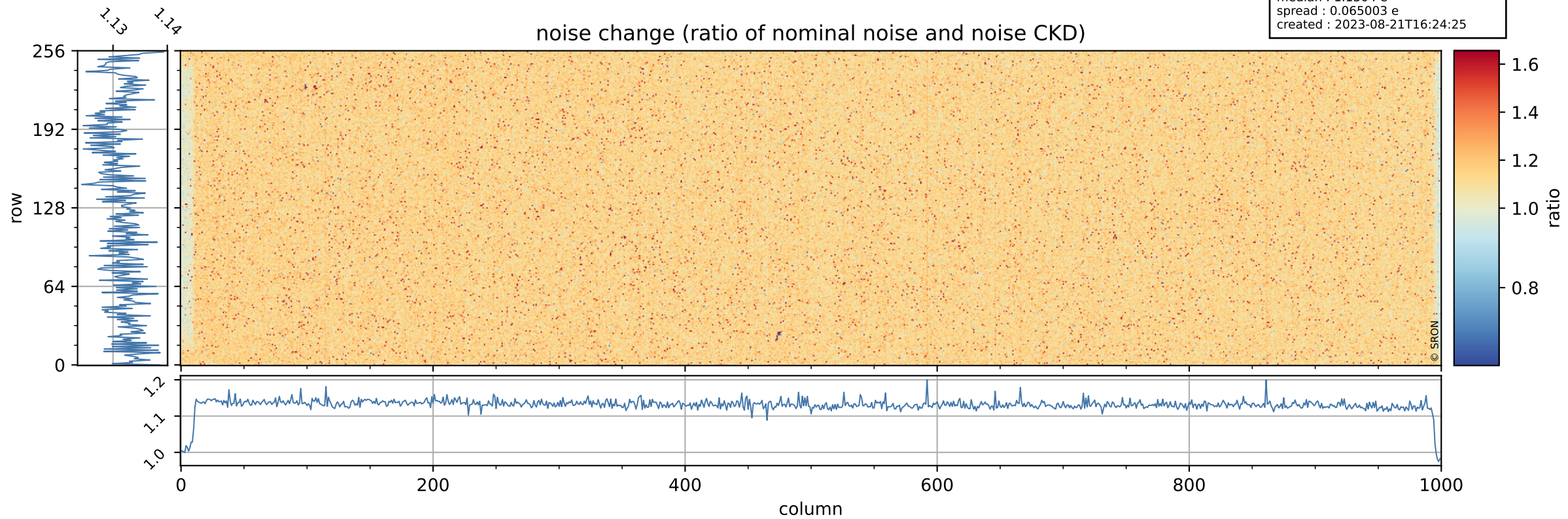
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
median : 1.0025 e  
spread : 0.008567 e  
created : 2023-08-21T16:24:25



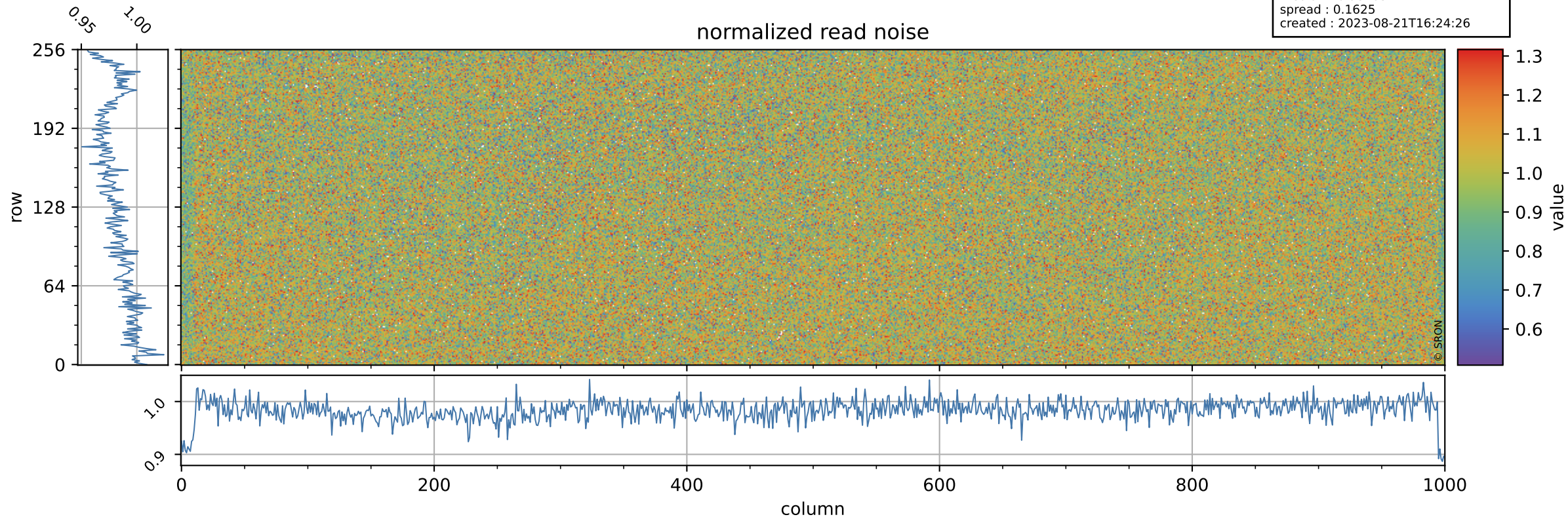
# Tropomi SWIR background noise (swir)

orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
median : 1.1304 e  
spread : 0.065003 e  
created : 2023-08-21T16:24:25



# Tropomi SWIR background noise (swir)

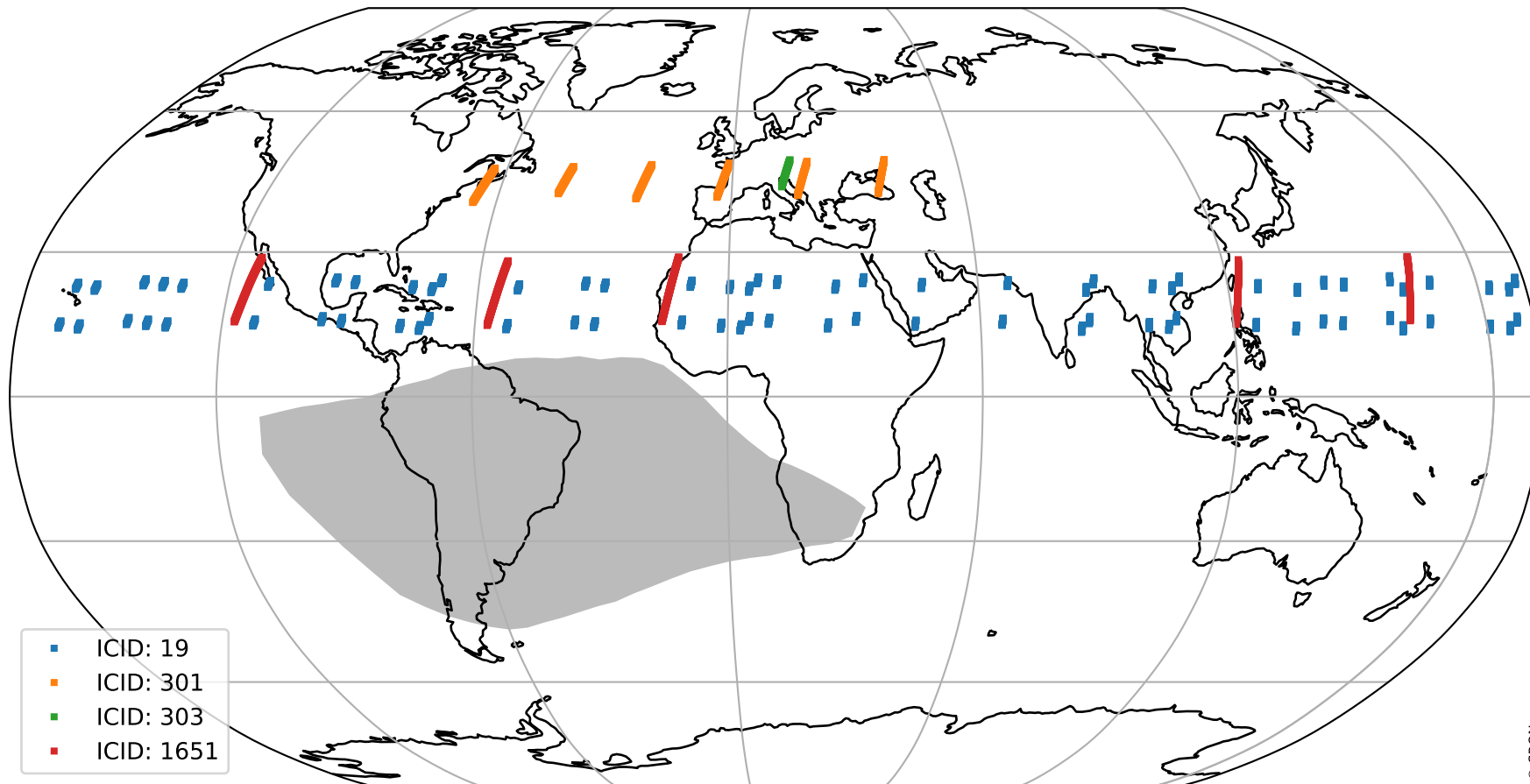
orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
median : 0.98205  
spread : 0.1625  
created : 2023-08-21T16:24:26





# Tropomi SWIR background noise (swir) ground-tracks of Sentinel-5P

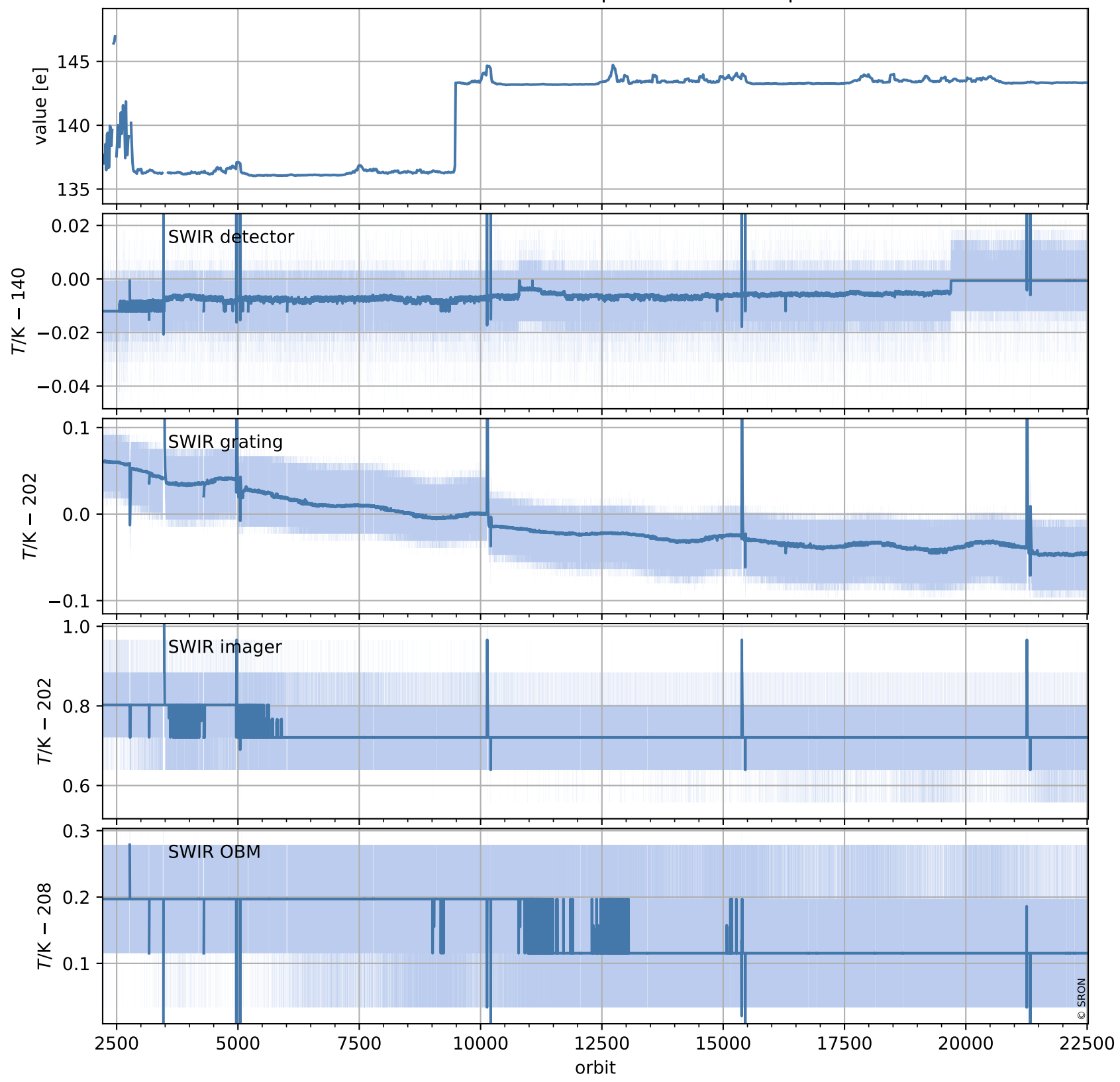
orbits : 12 in [22447, 22522]  
coverage : 2022-02-10 / 2022-02-16  
created : 2023-08-21T16:24:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 22522]  
coverage : 2018-03-18 / 2022-02-16  
created : 2023-08-21T16:24:26

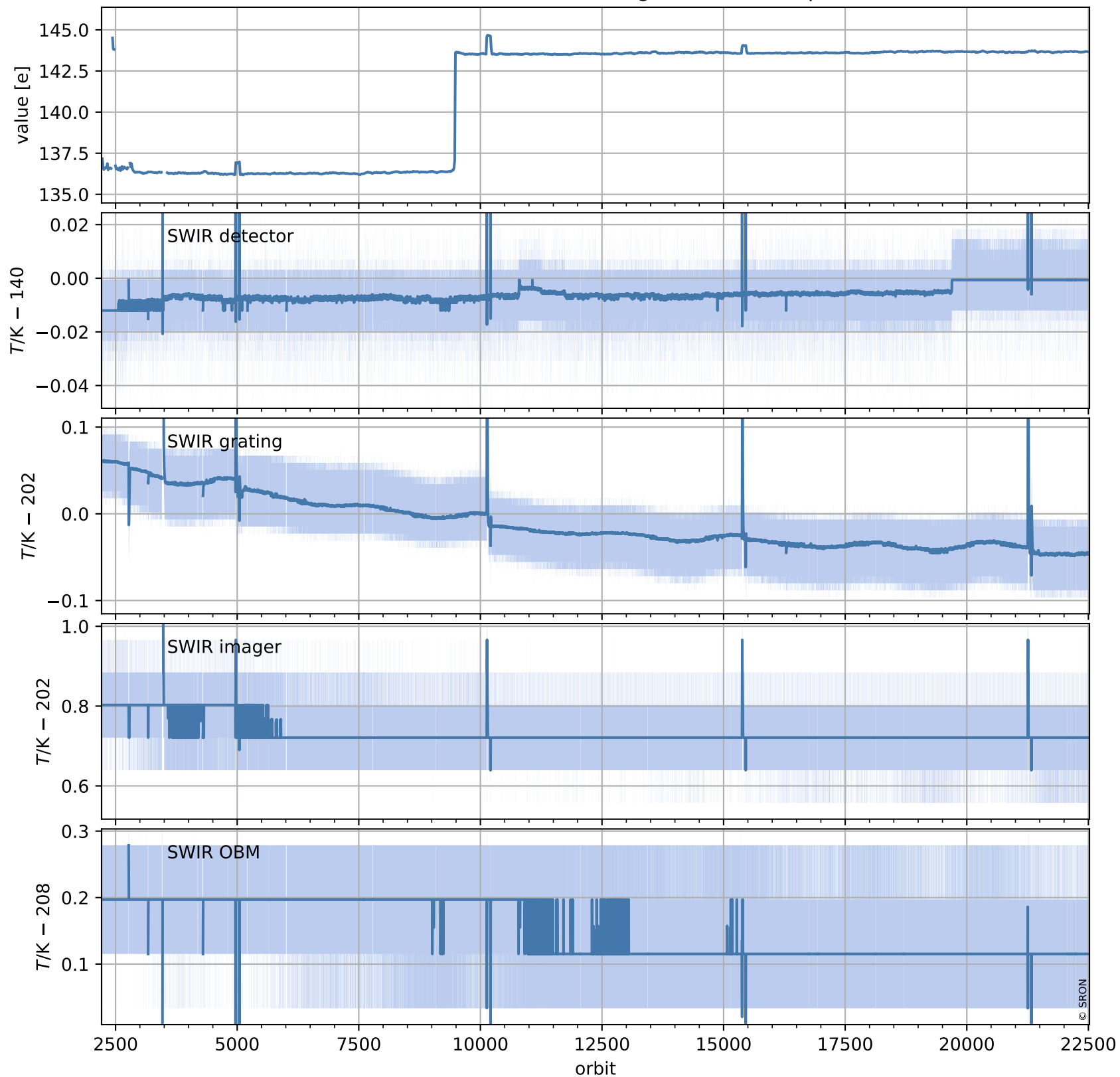
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22522]  
coverage : 2018-03-18 / 2022-02-16  
created : 2023-08-21T16:24:27

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22522]  
coverage : 2018-03-18 / 2022-02-16  
created : 2023-08-21T16:24:28

## trend of normalized read-noise & temperatures

