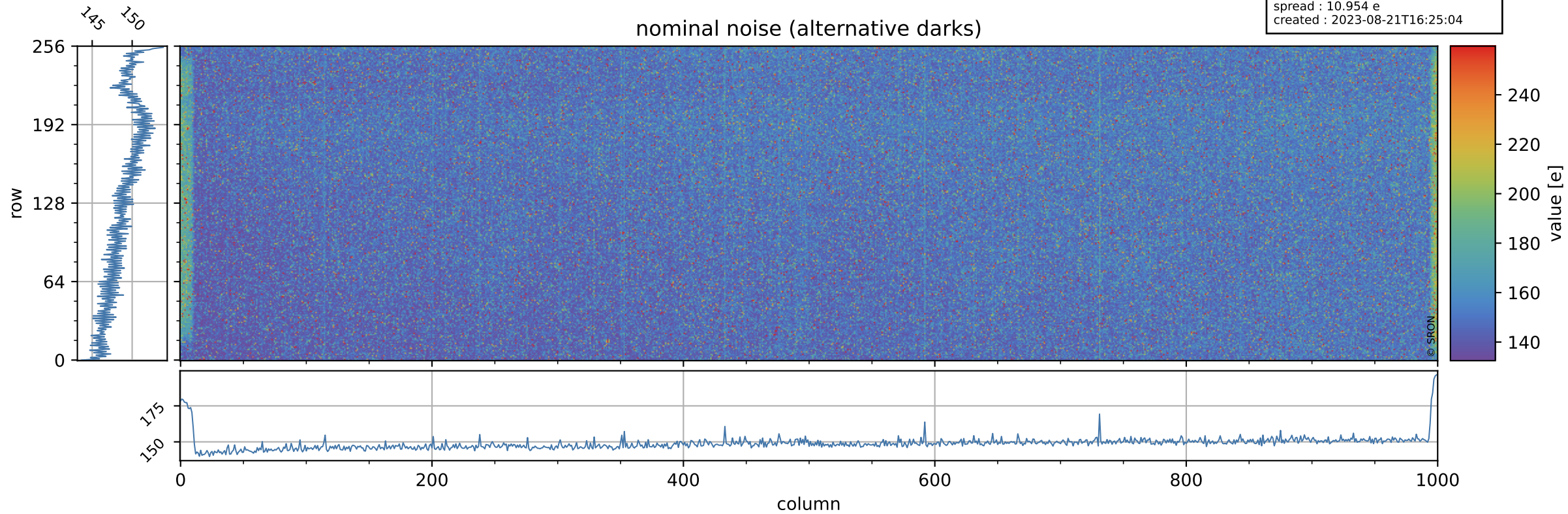


# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.954 e  
created : 2023-08-21T16:25:04

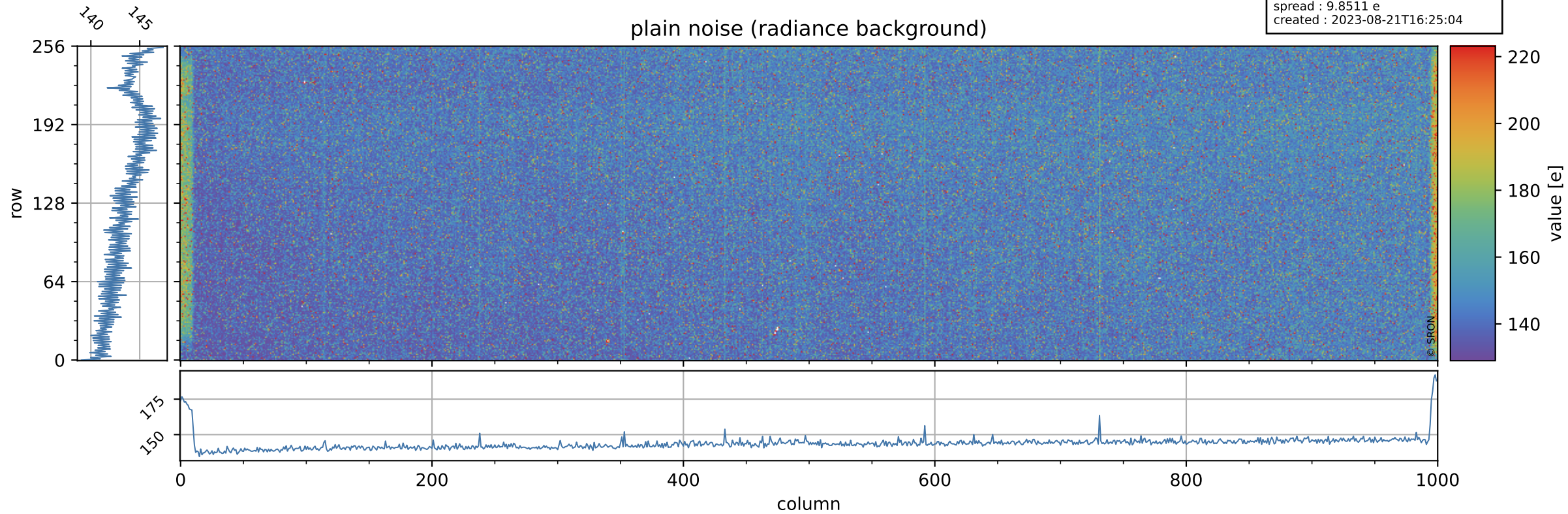
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.51 e  
spread : 9.8511 e  
created : 2023-08-21T16:25:04

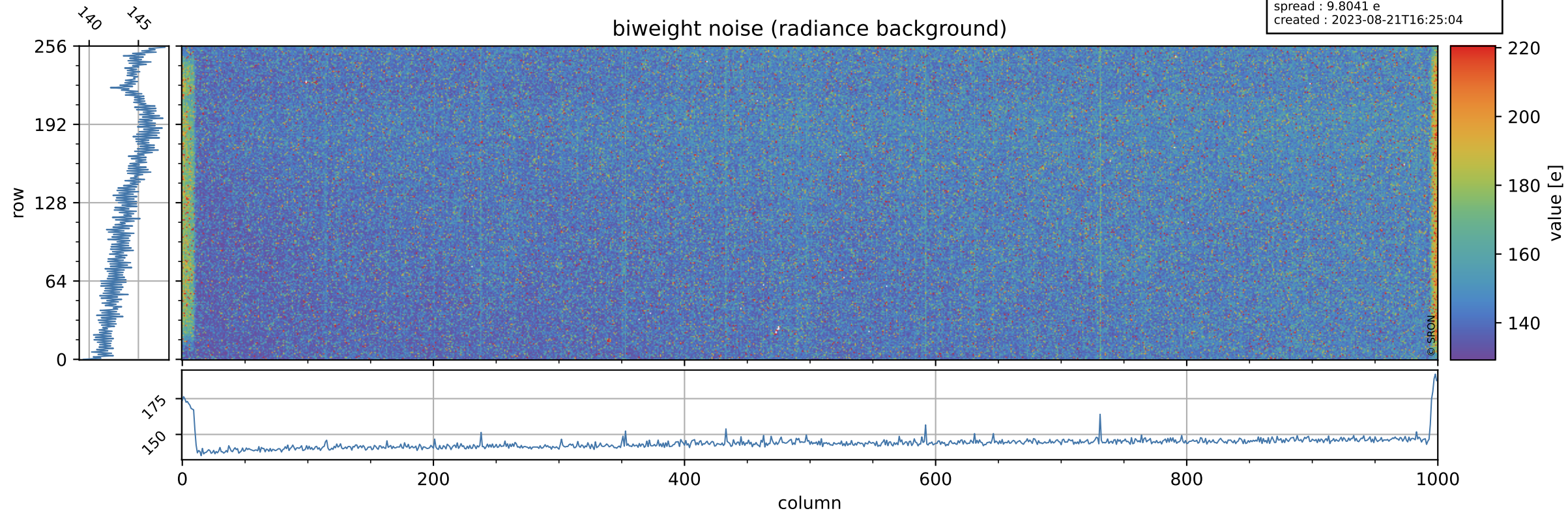
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.8041 e  
created : 2023-08-21T16:25:04

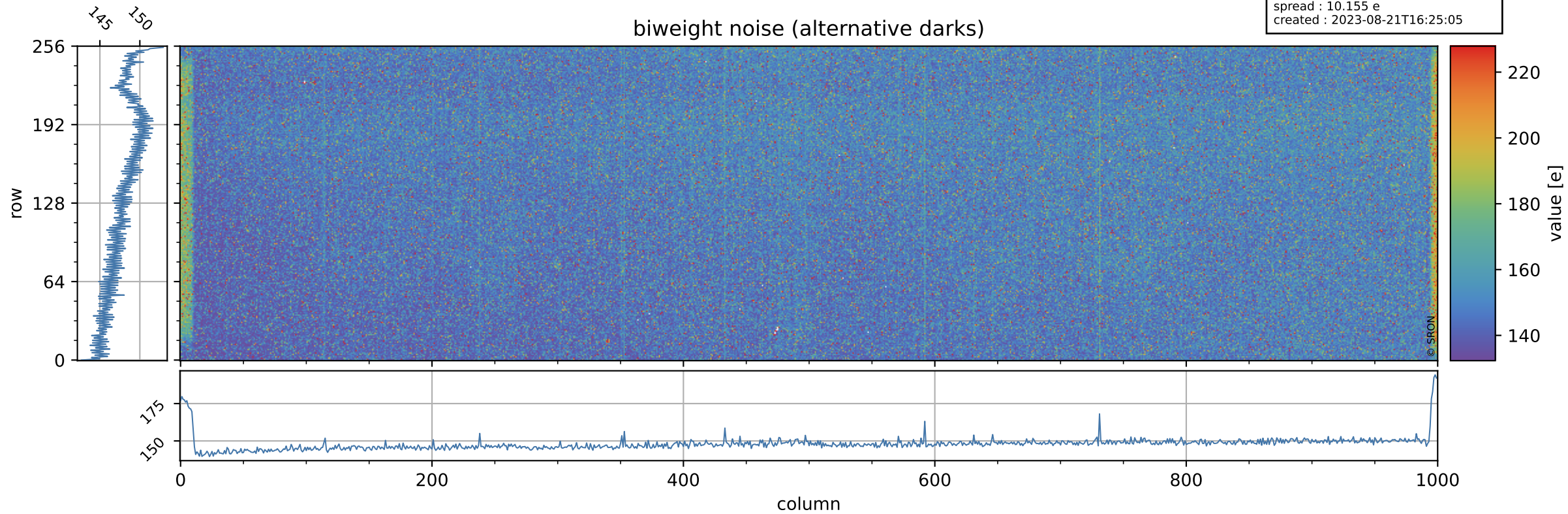
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.8 e  
spread : 10.155 e  
created : 2023-08-21T16:25:05

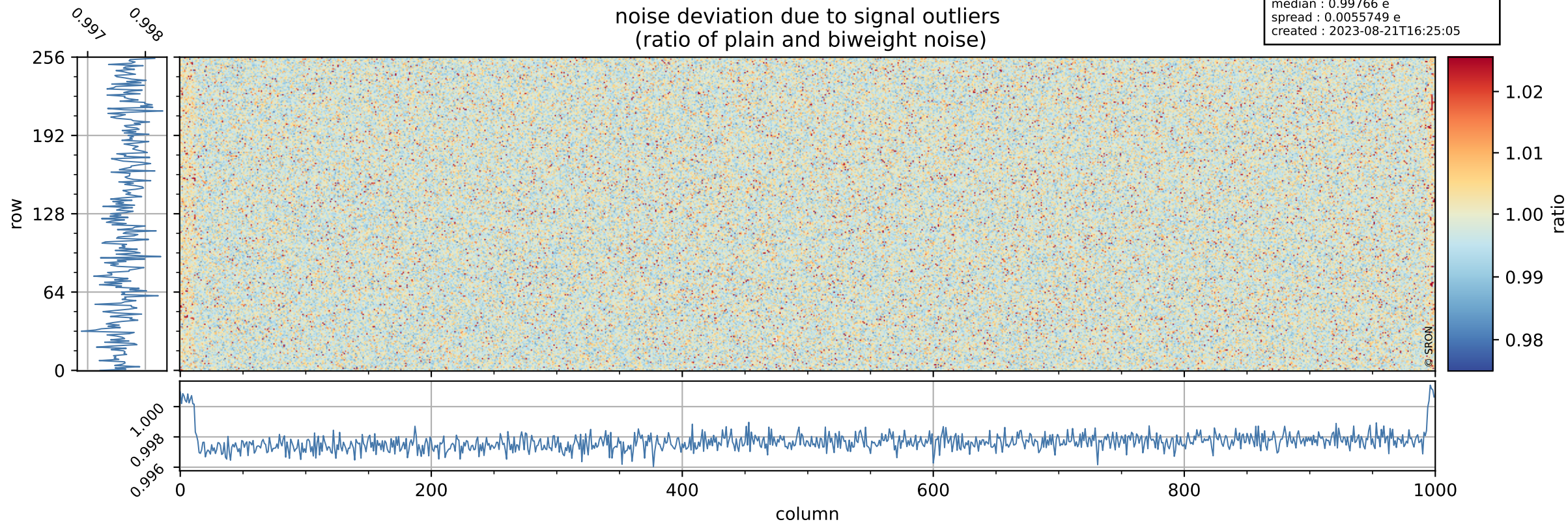
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

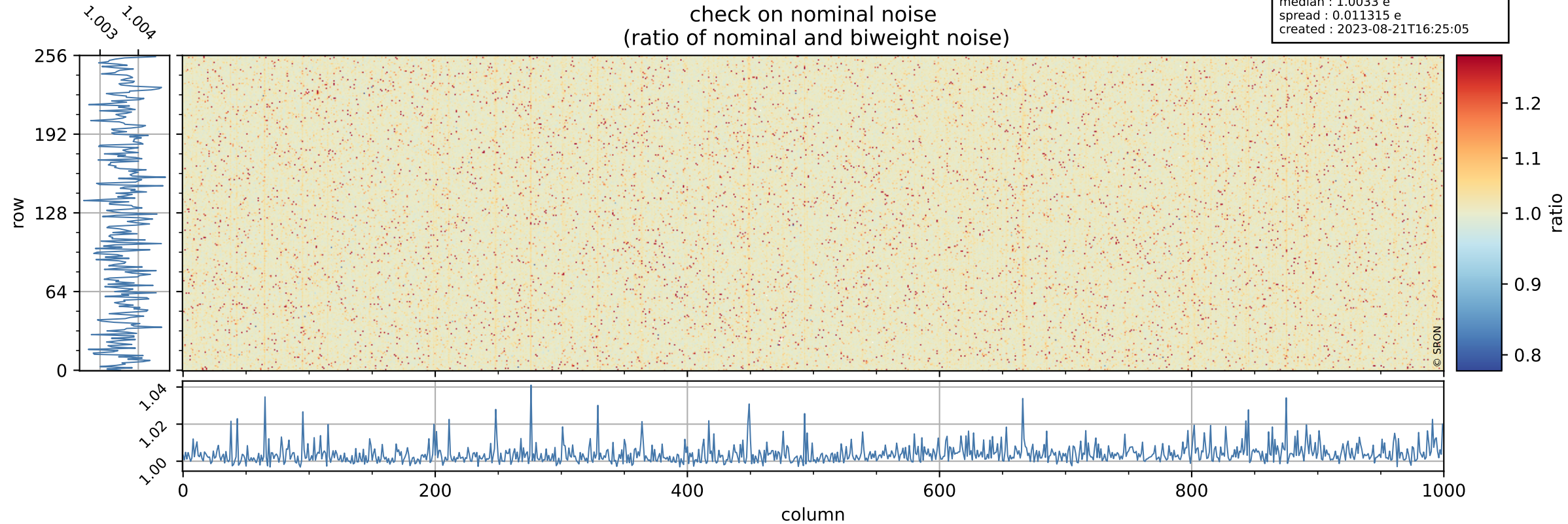
orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
median : 0.99766 e  
spread : 0.0055749 e  
created : 2023-08-21T16:25:05



# Tropomi SWIR background noise (swir)

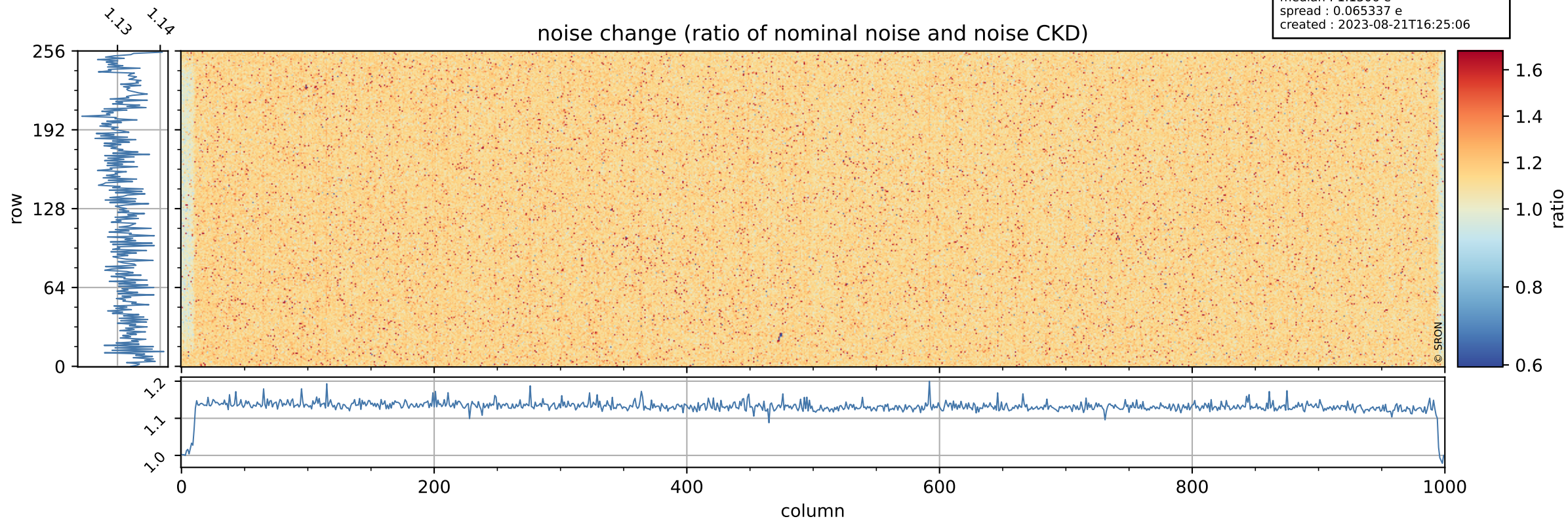
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
median : 1.0033 e  
spread : 0.011315 e  
created : 2023-08-21T16:25:05



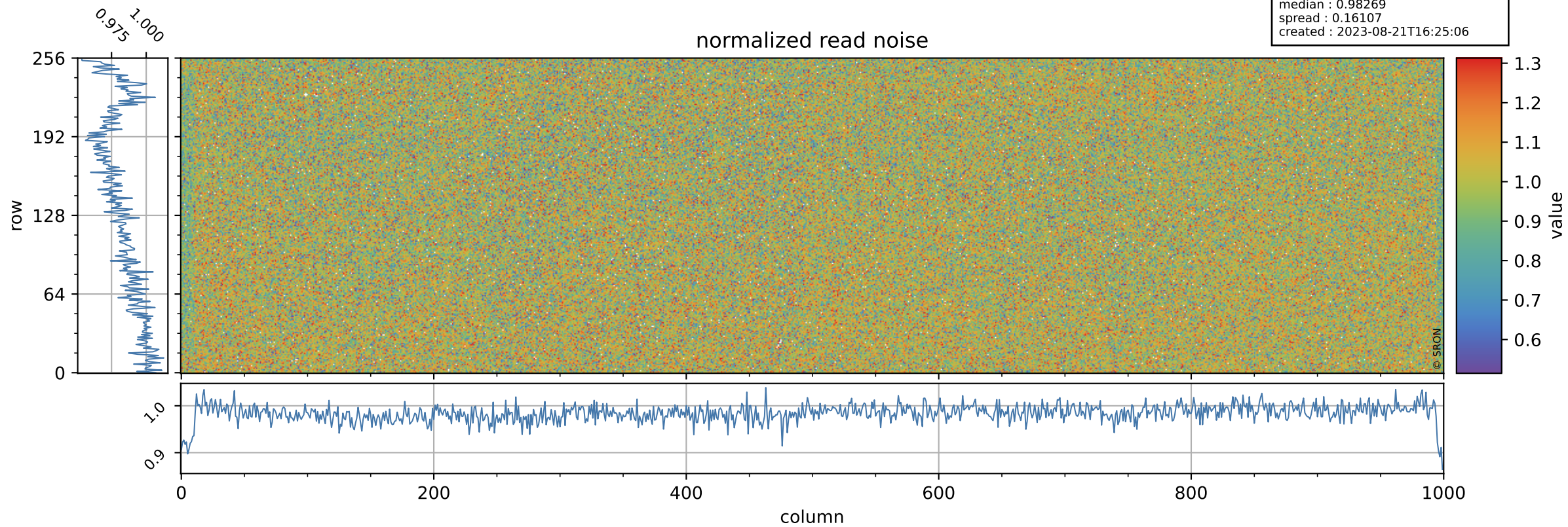
# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
median : 1.1306 e  
spread : 0.065337 e  
created : 2023-08-21T16:25:06



# Tropomi SWIR background noise (swir)

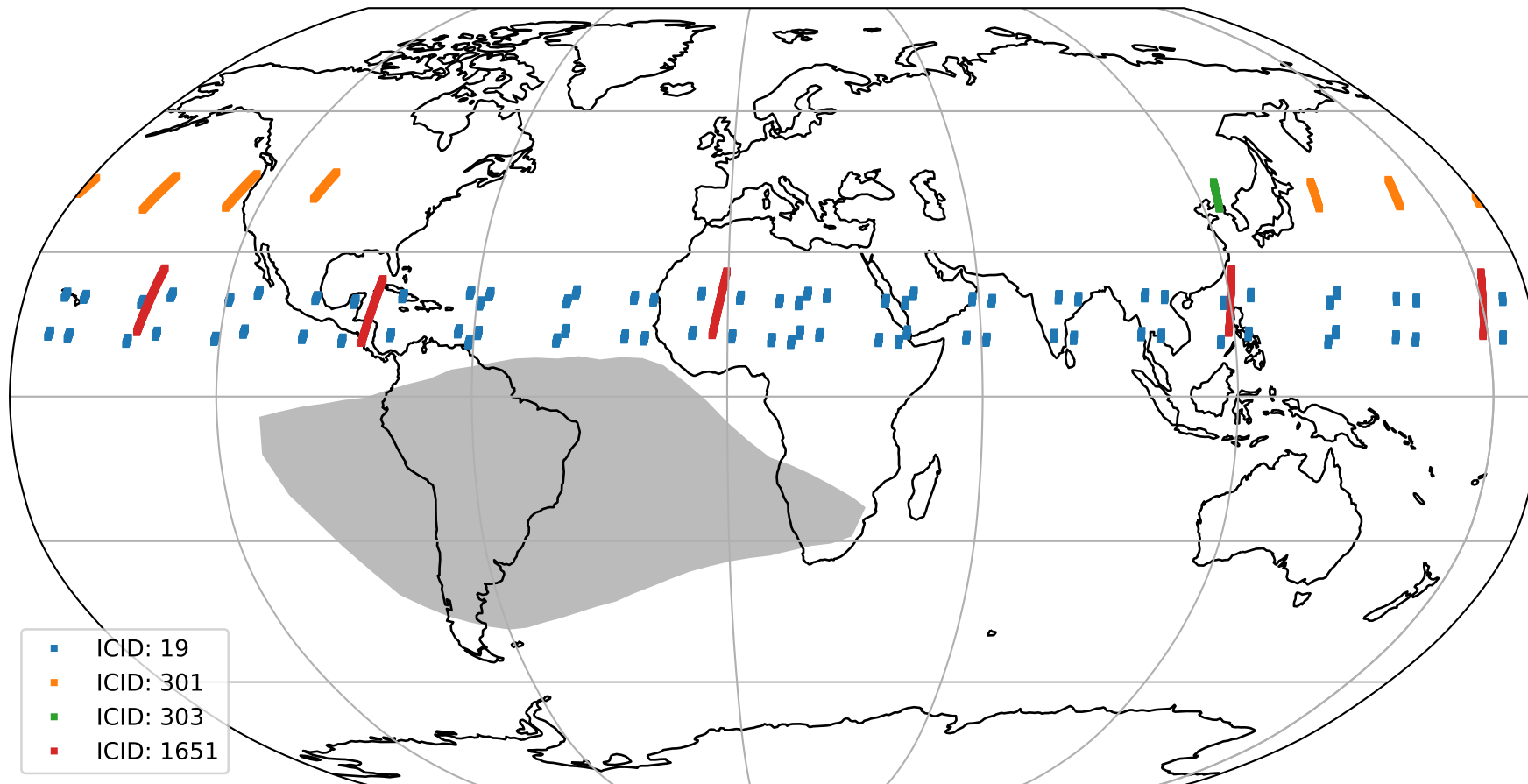
orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
median : 0.98269  
spread : 0.16107  
created : 2023-08-21T16:25:06





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

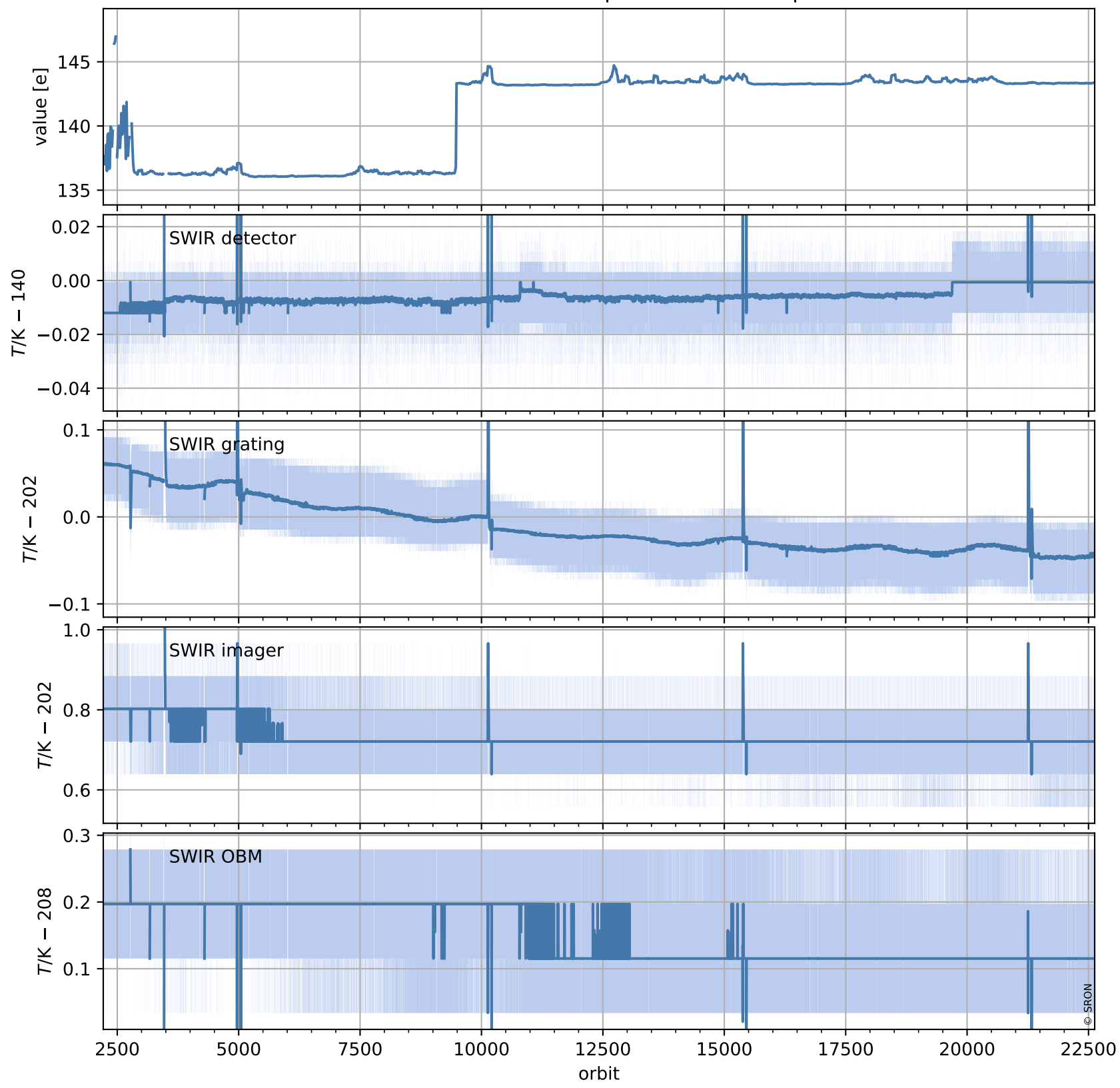
orbits : 12 in [22537, 22627]  
coverage : 2022-02-18 / 2022-02-24  
created : 2023-08-21T16:25:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 22627]  
coverage : 2018-03-18 / 2022-02-24  
created : 2023-08-21T16:25:07

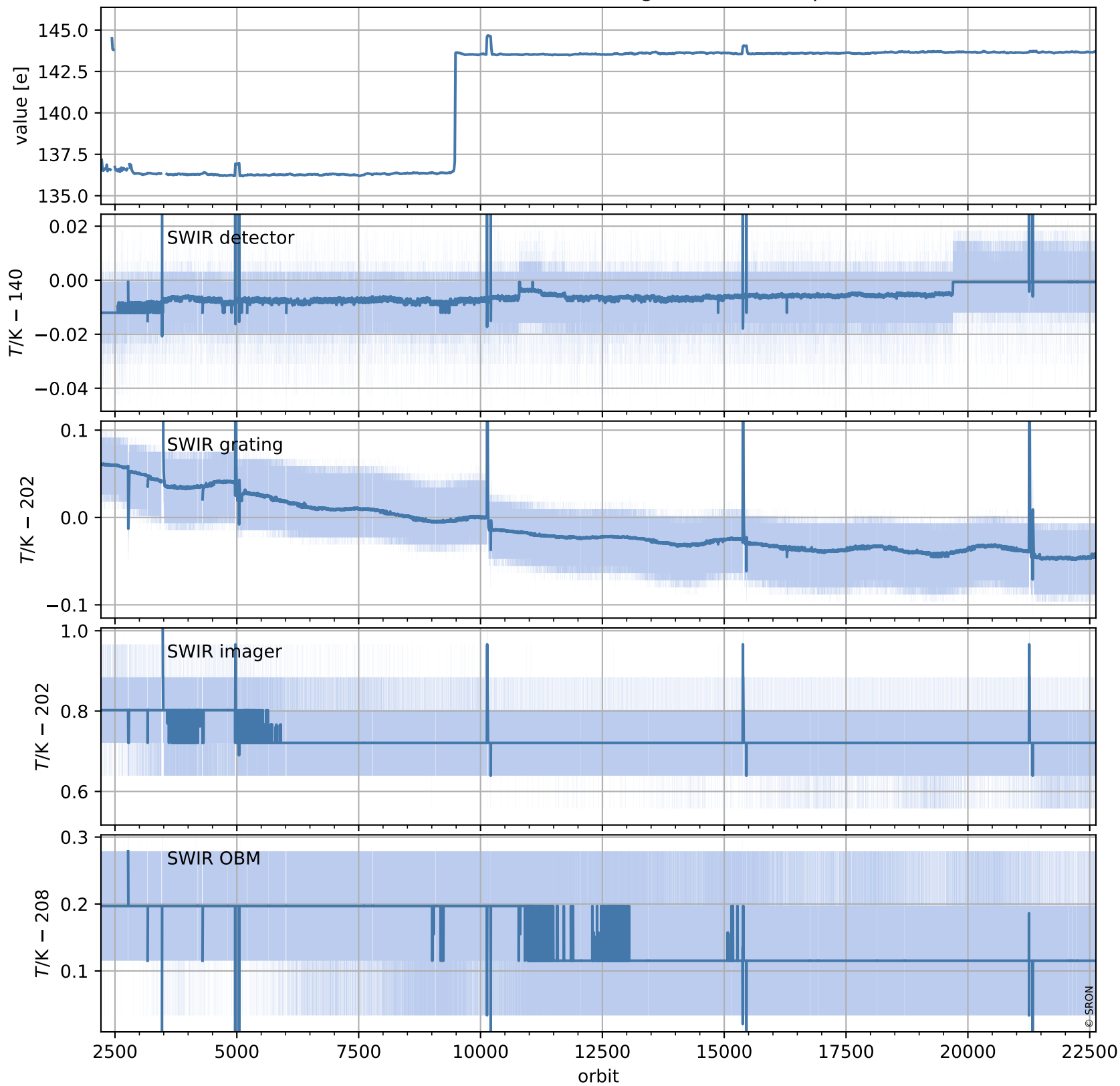
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22627]  
coverage : 2018-03-18 / 2022-02-24  
created : 2023-08-21T16:25:08

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22627]  
coverage : 2018-03-18 / 2022-02-24  
created : 2023-08-21T16:25:09

## trend of normalized read-noise & temperatures

