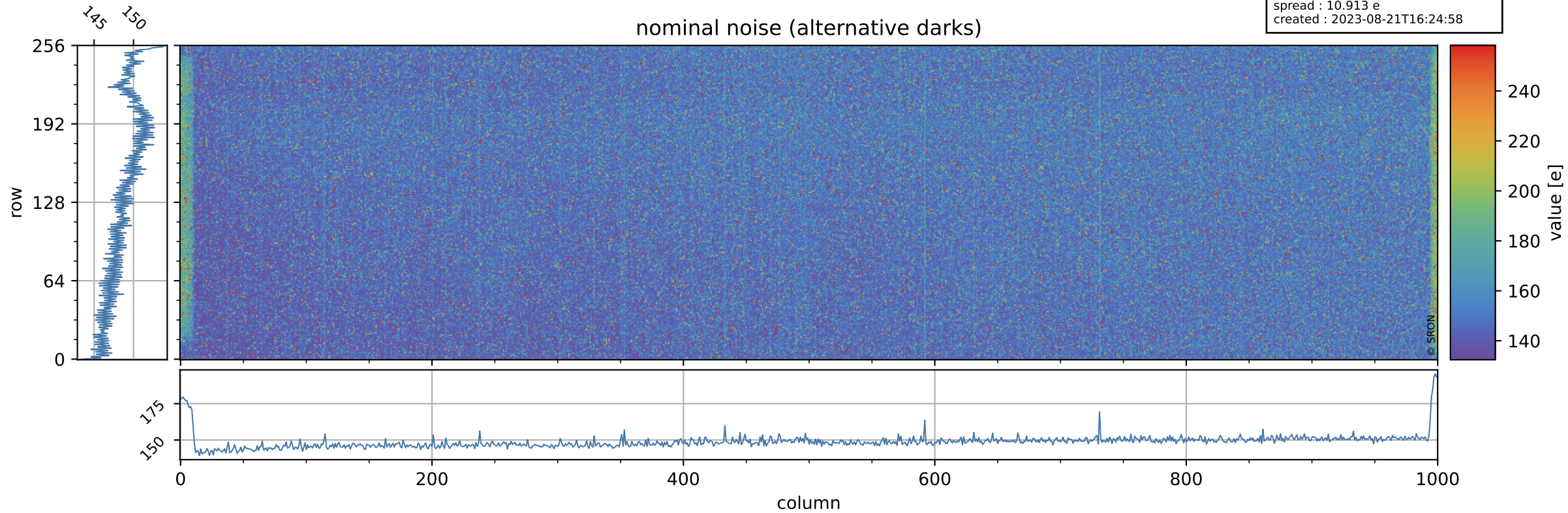


# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.913 e  
created : 2023-08-21T16:24:58

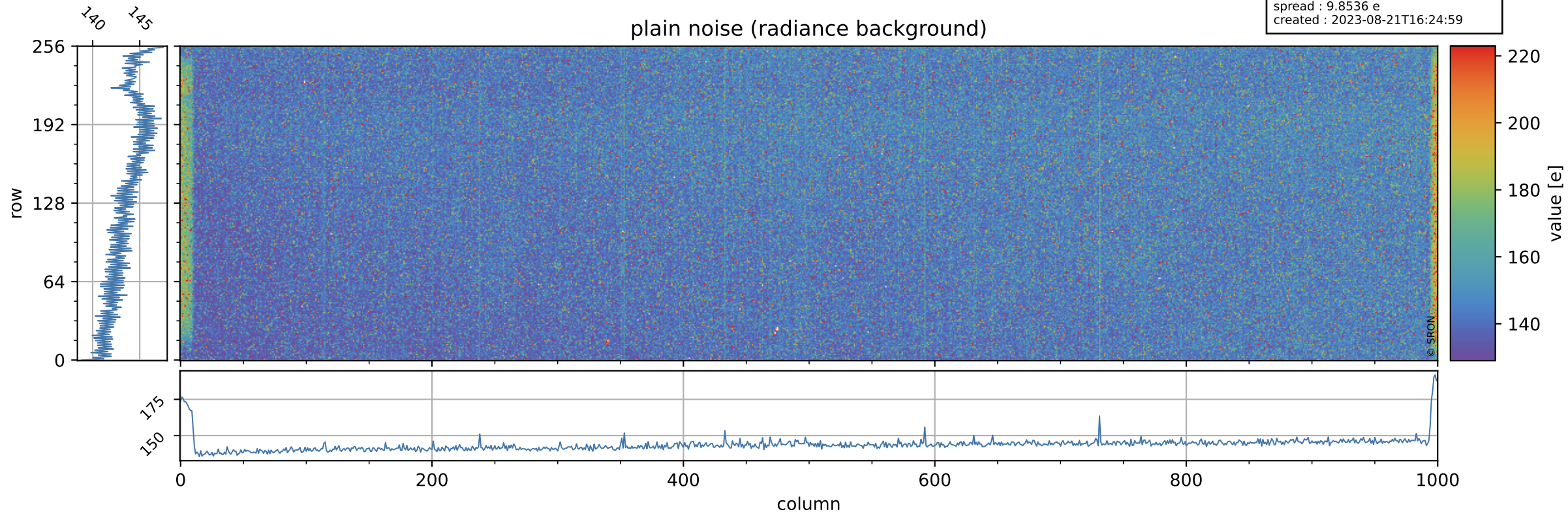
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.51 e  
spread : 9.8536 e  
created : 2023-08-21T16:24:59

## plain noise (radiance background)

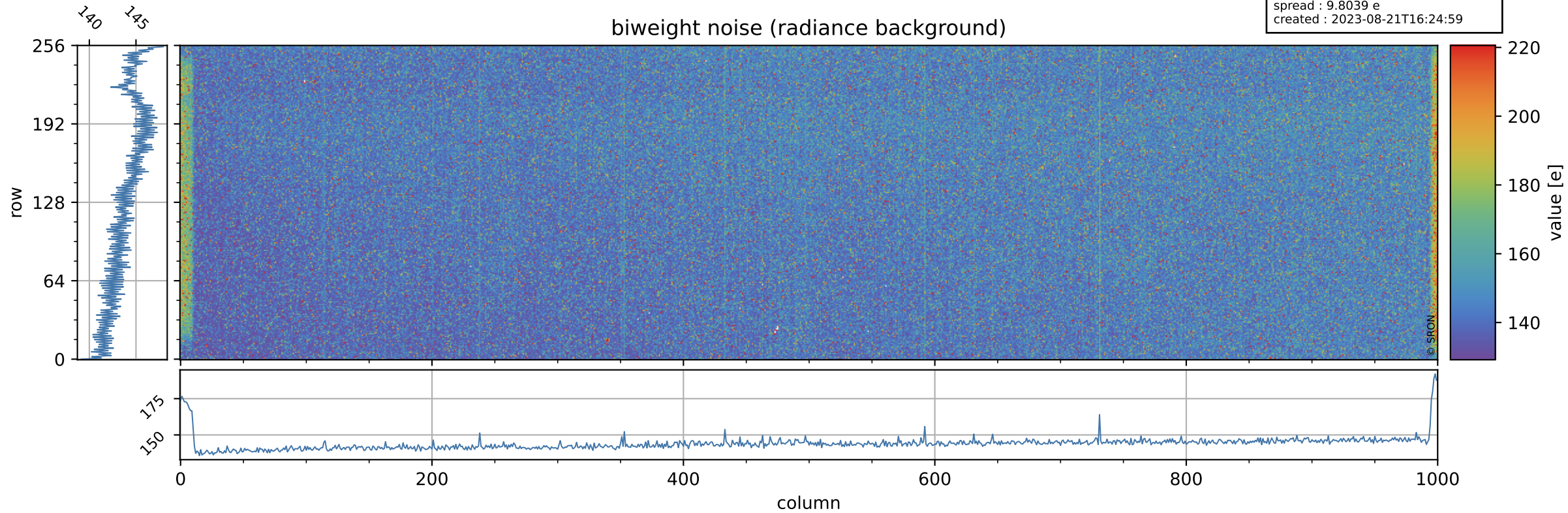




# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.82 e  
spread : 9.8039 e  
created : 2023-08-21T16:24:59

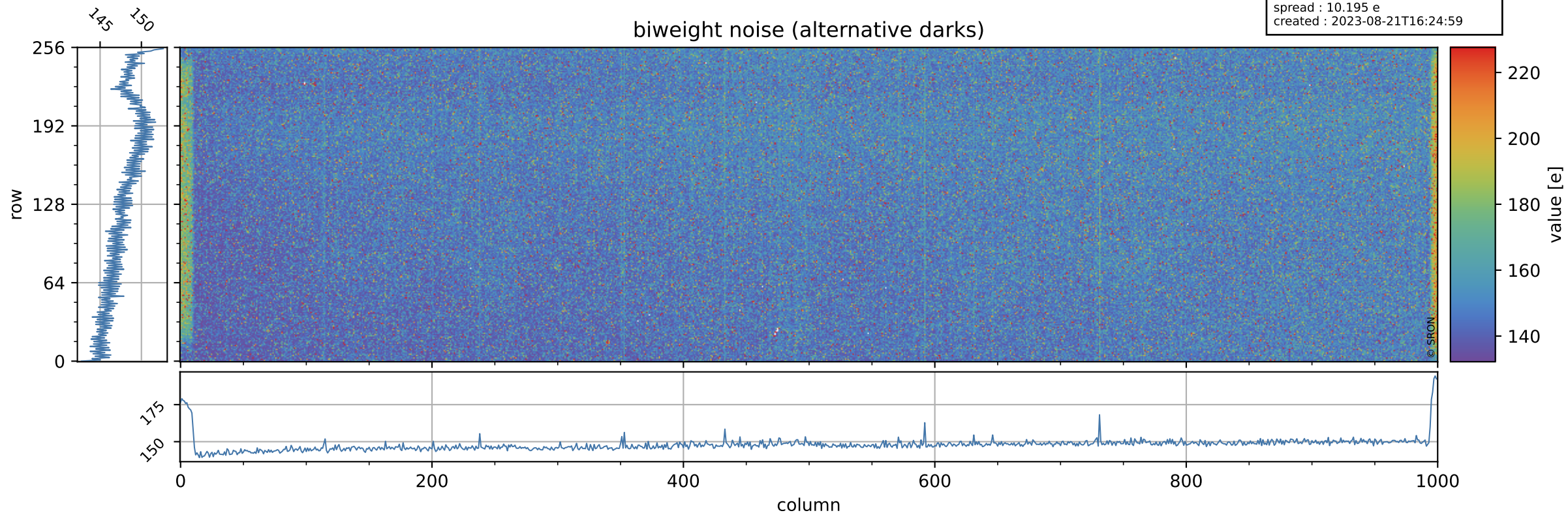
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.78 e  
spread : 10.195 e  
created : 2023-08-21T16:24:59

## biweight noise (alternative darks)

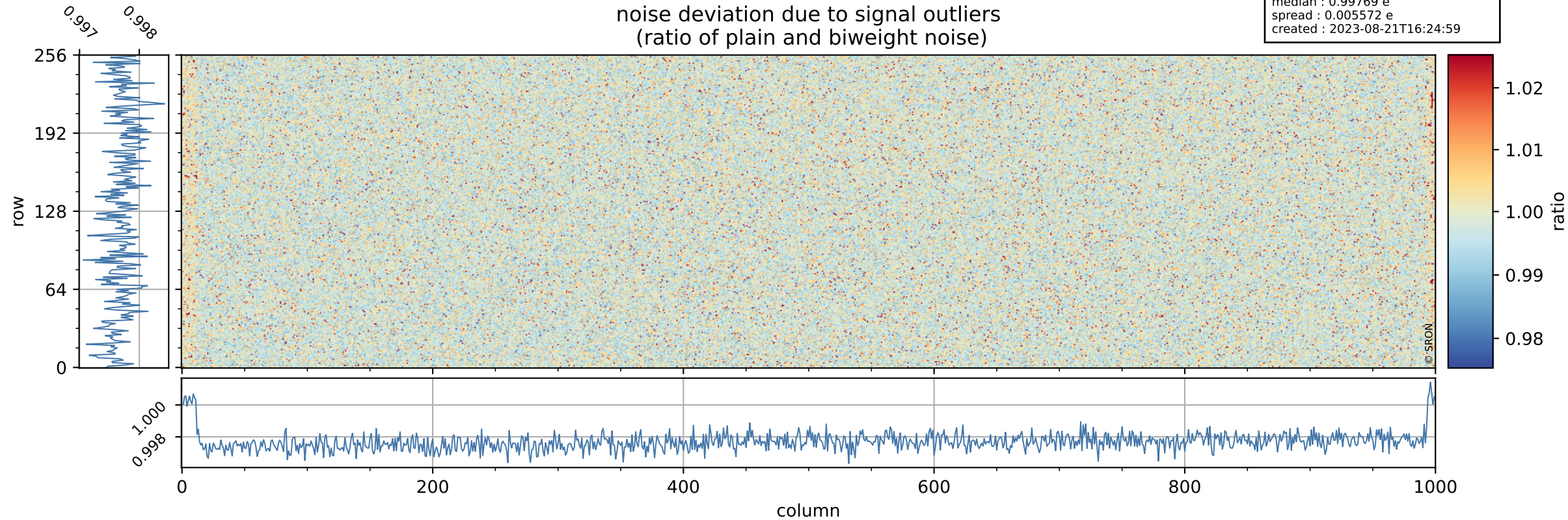




# Tropomi SWIR background noise (swir)

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

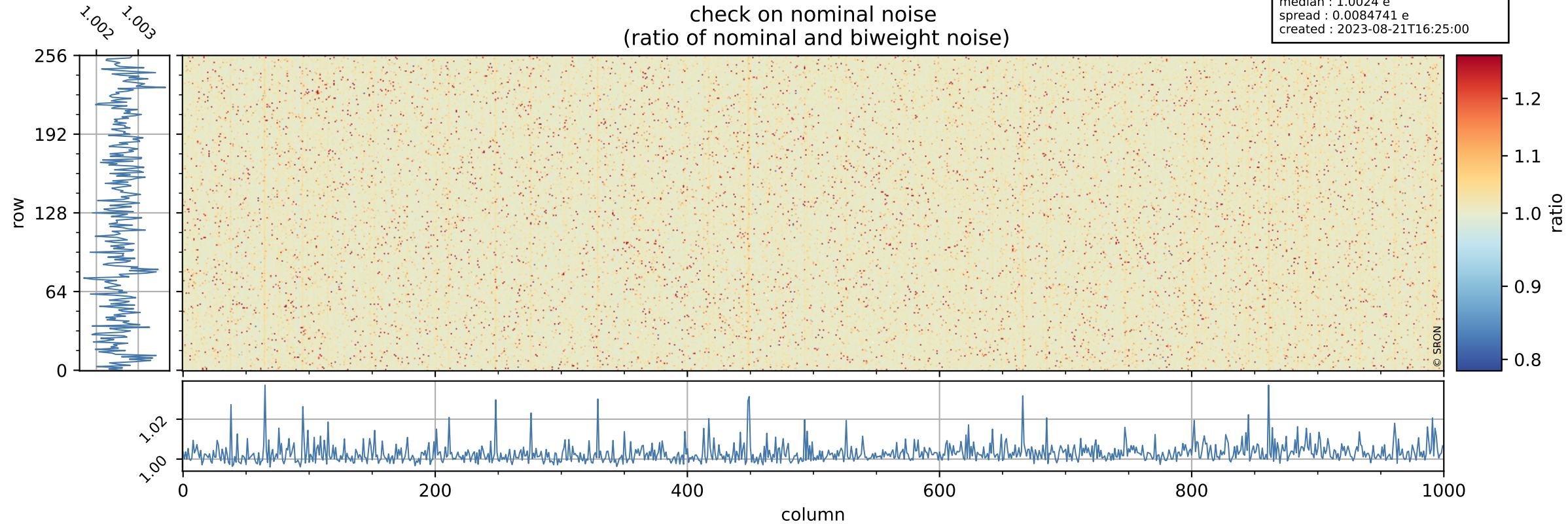
orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
median : 0.99769 e  
spread : 0.005572 e  
created : 2023-08-21T16:24:59



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
median : 1.0024 e  
spread : 0.0084741 e  
created : 2023-08-21T16:25:00

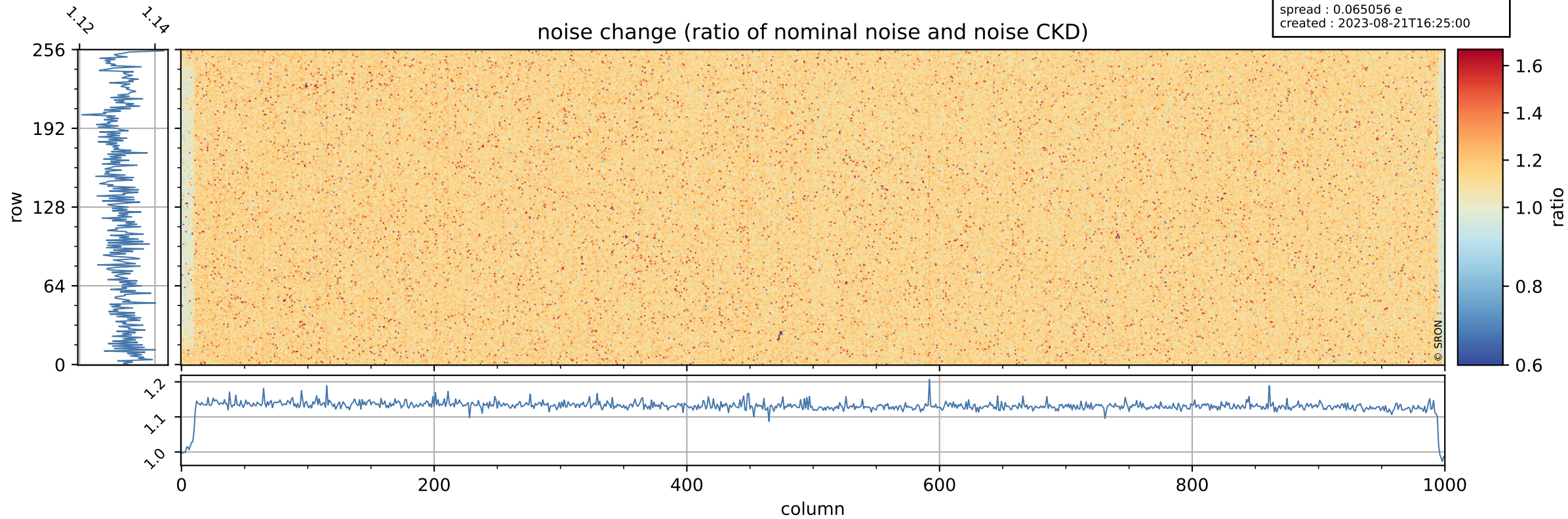




# Tropomi SWIR background noise (swir)

orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
median : 1.13 e  
spread : 0.065056 e  
created : 2023-08-21T16:25:00

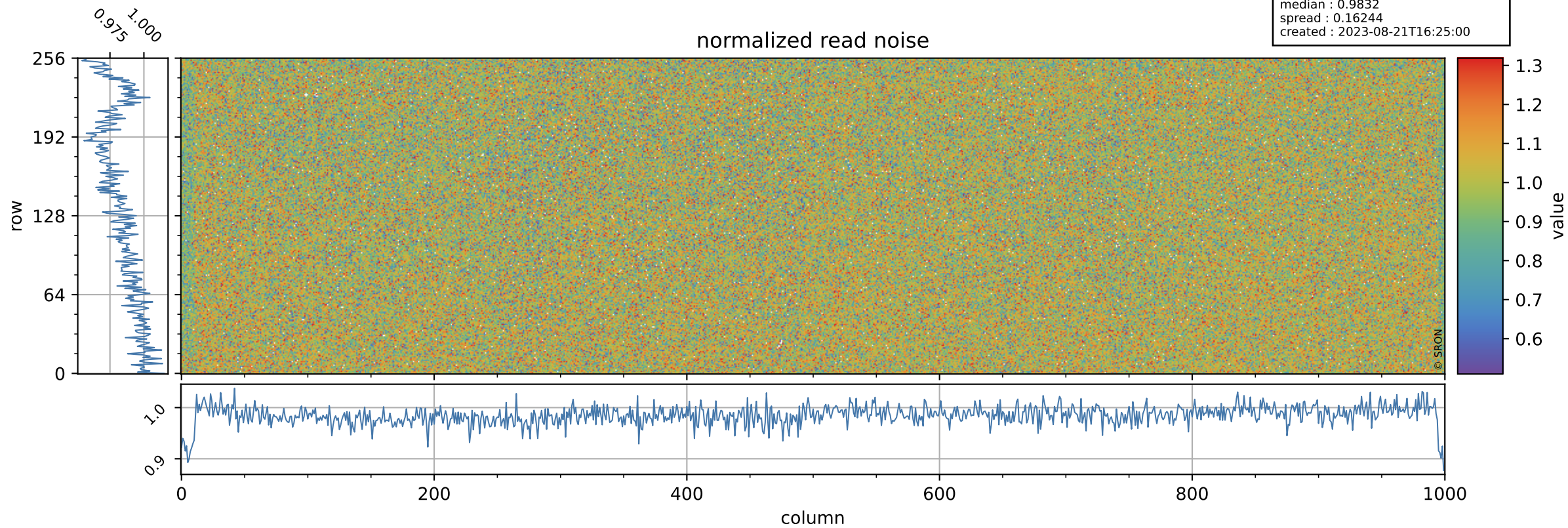
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

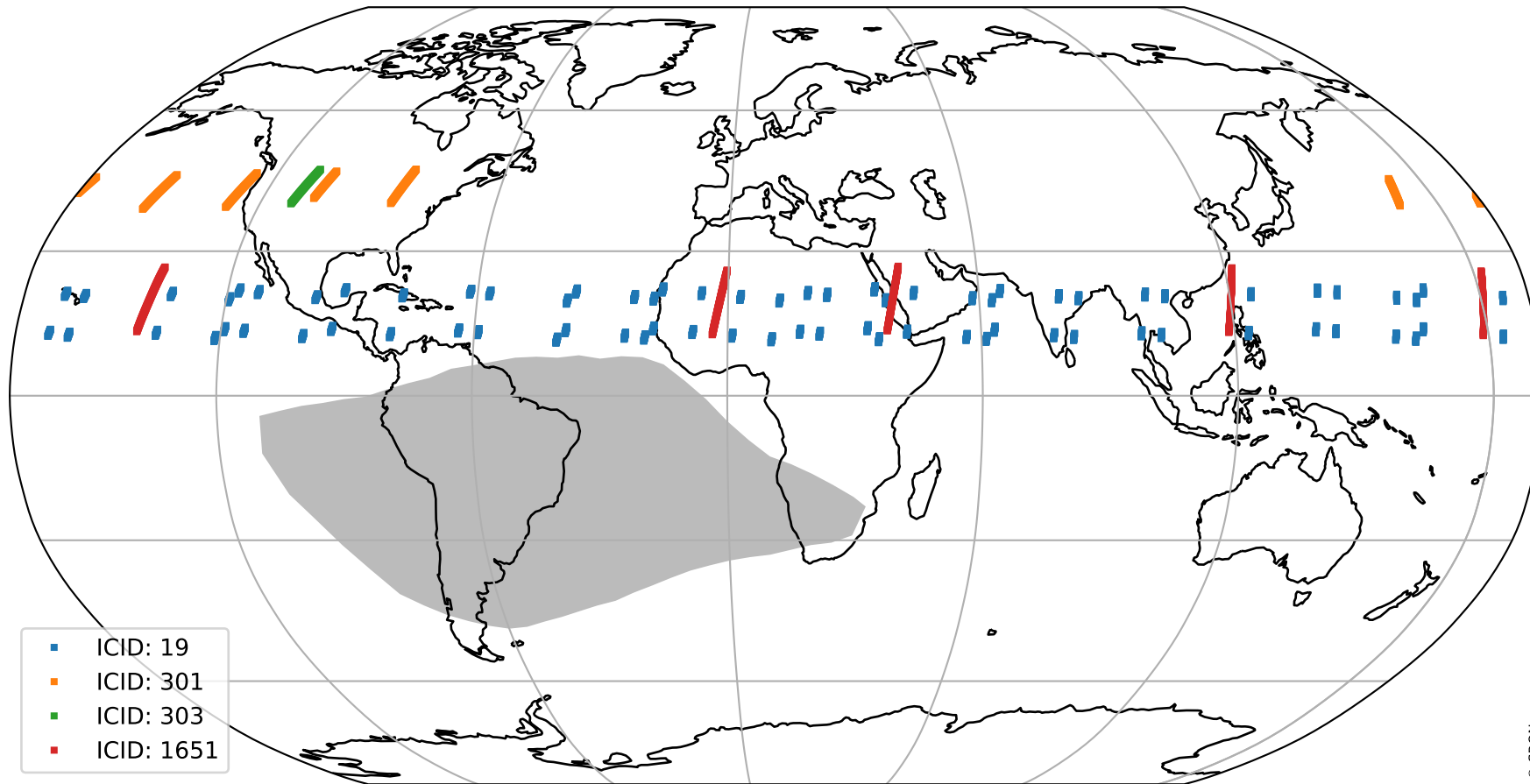
orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
median : 0.9832  
spread : 0.16244  
created : 2023-08-21T16:25:00





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

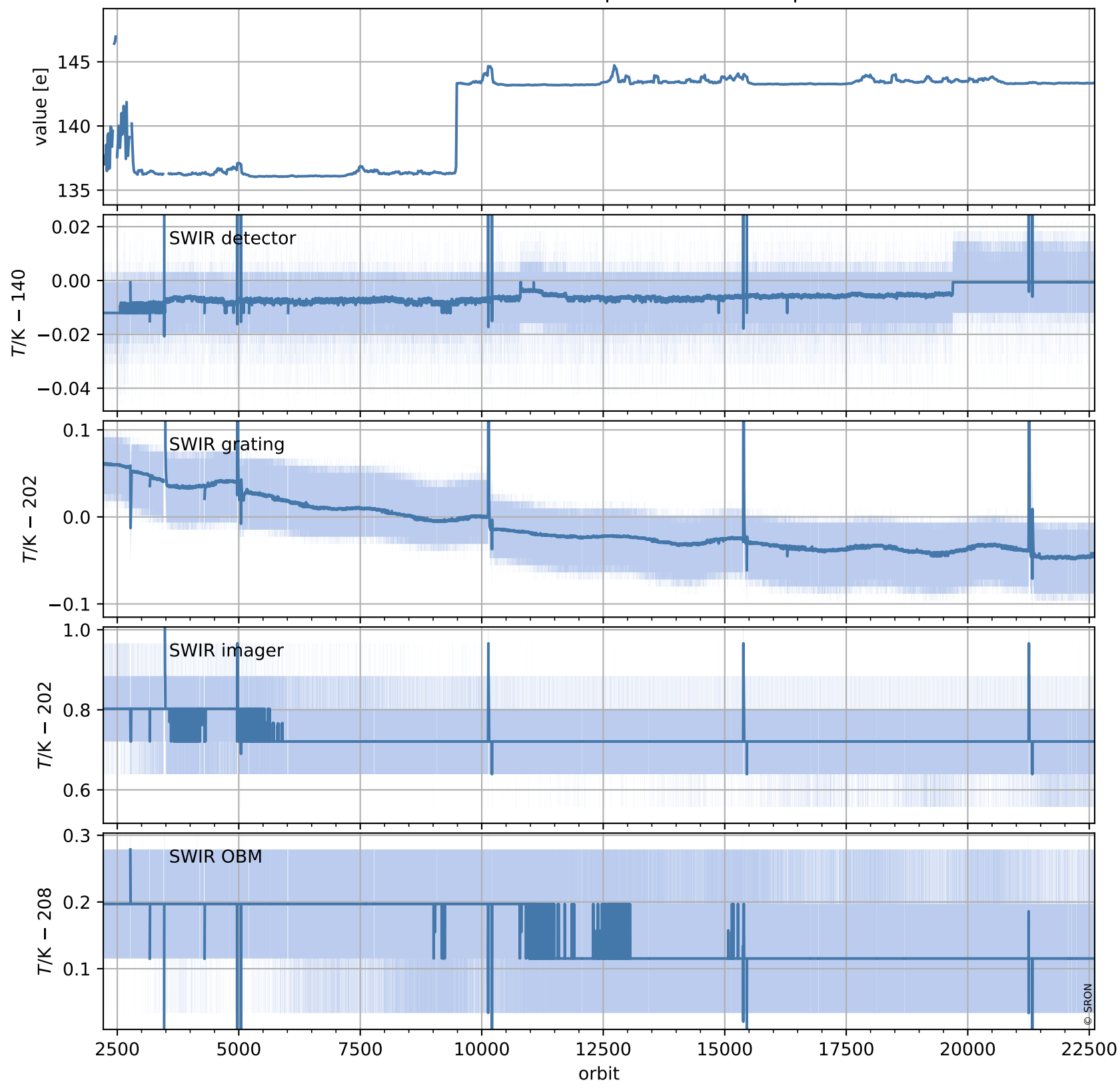
orbits : 12 in [22537, 22612]  
coverage : 2022-02-17 / 2022-02-22  
created : 2023-08-21T16:25:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 22612]  
coverage : 2018-03-18 / 2022-02-22  
created : 2023-08-21T16:25:01

## trend of detector median of plain noise & temperatures

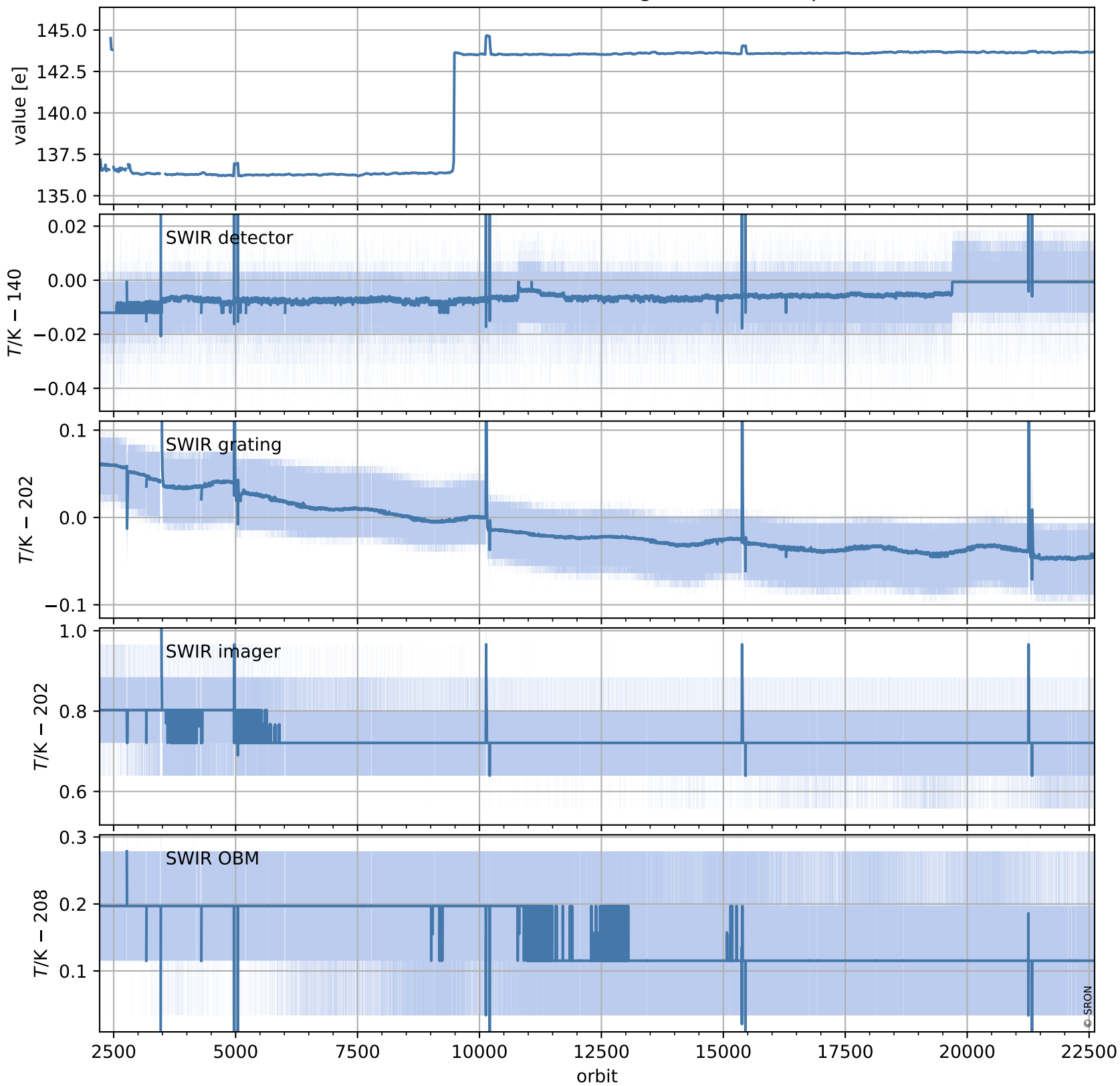




# Tropomi SWIR background noise (swir)

orbits : [2212, 22612]  
coverage : 2018-03-18 / 2022-02-22  
created : 2023-08-21T16:25:02

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22612]  
coverage : 2018-03-18 / 2022-02-22  
created : 2023-08-21T16:25:03

## trend of normalized read-noise & temperatures

