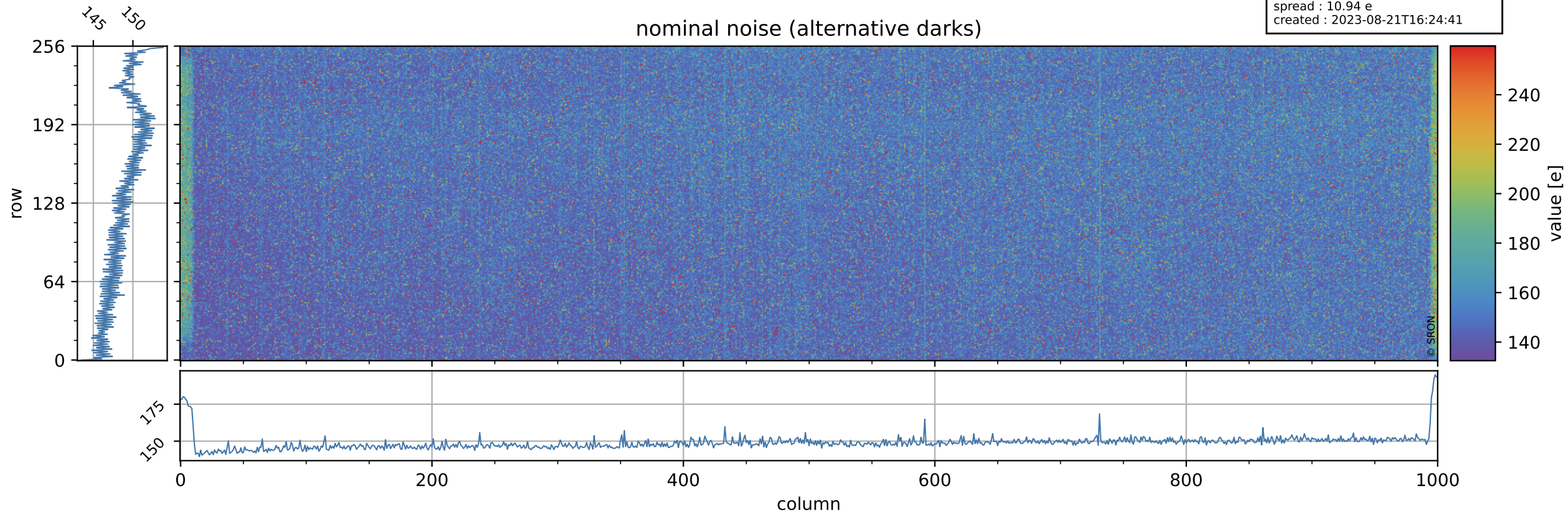


# Tropomi SWIR background noise (swir)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.73 e  
spread : 10.94 e  
created : 2023-08-21T16:24:41

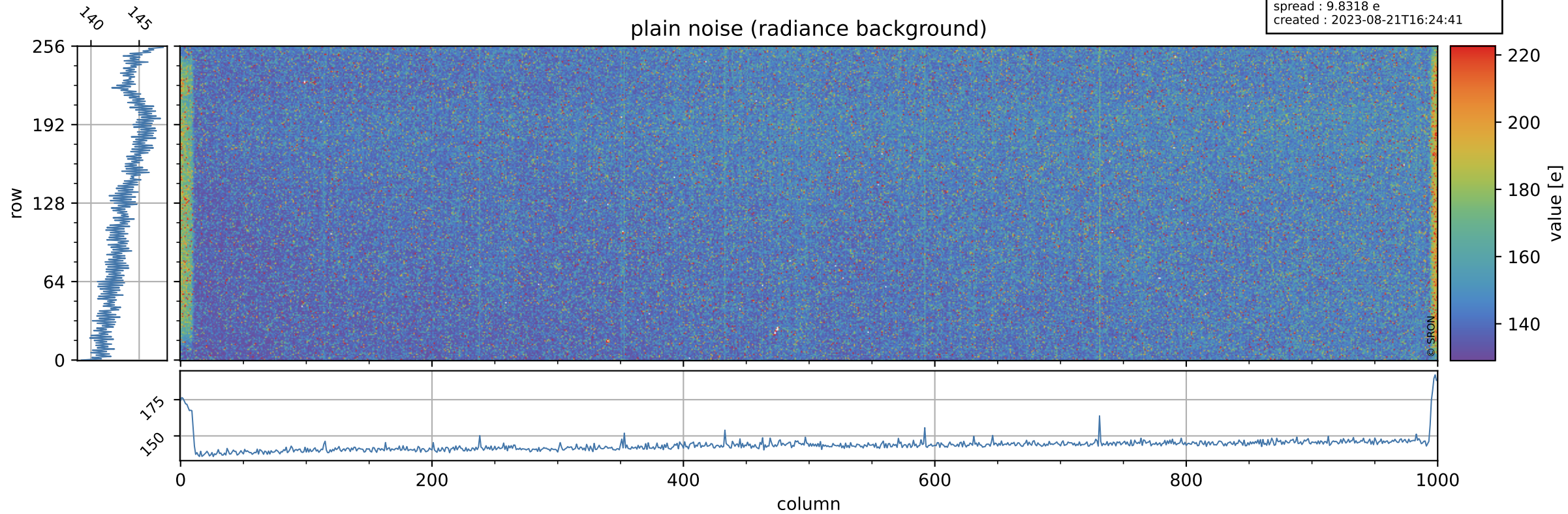
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.48 e  
spread : 9.8318 e  
created : 2023-08-21T16:24:41

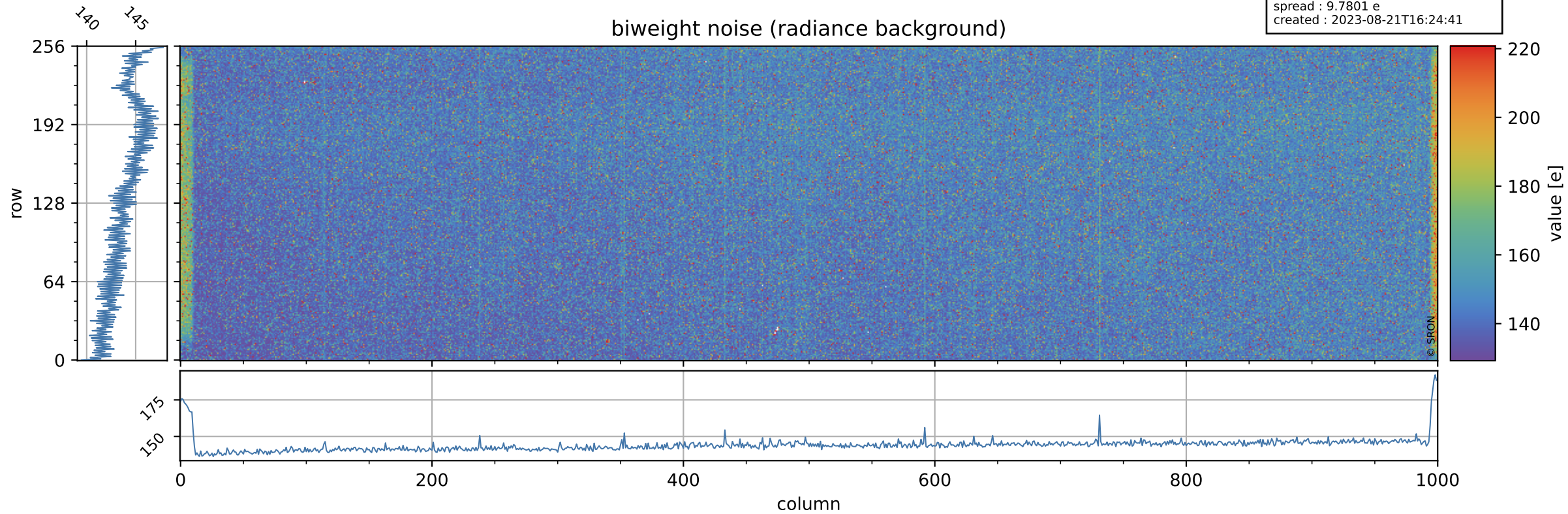
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.7801 e  
created : 2023-08-21T16:24:41

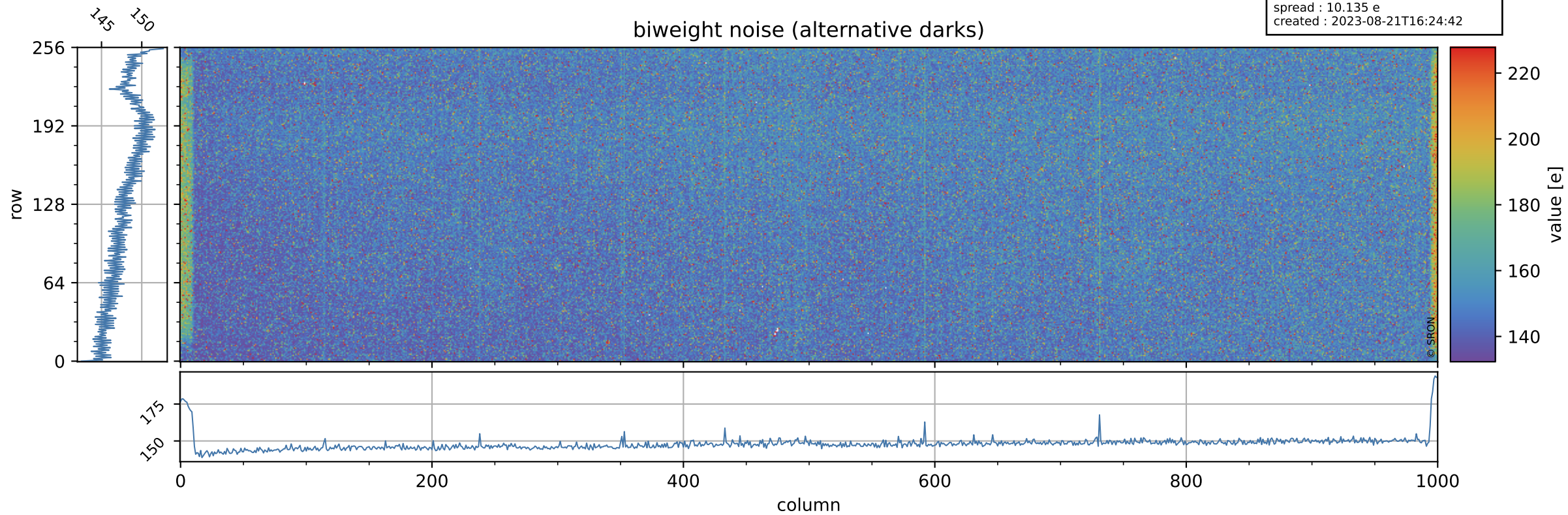
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.135 e  
created : 2023-08-21T16:24:42

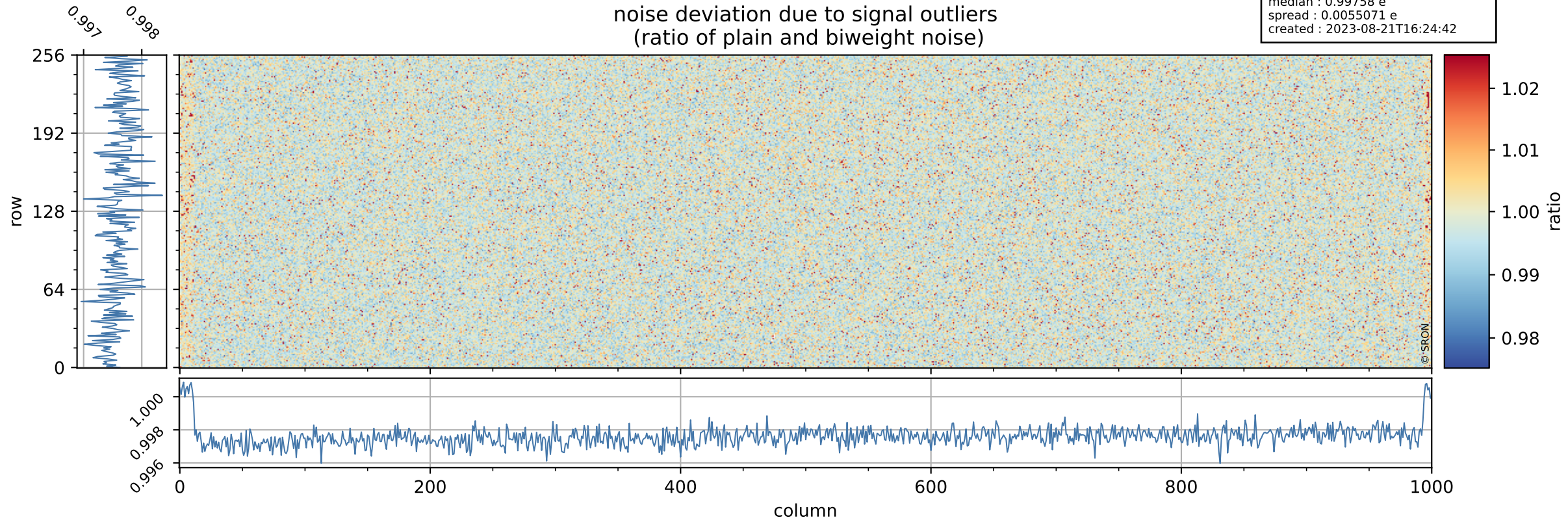
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

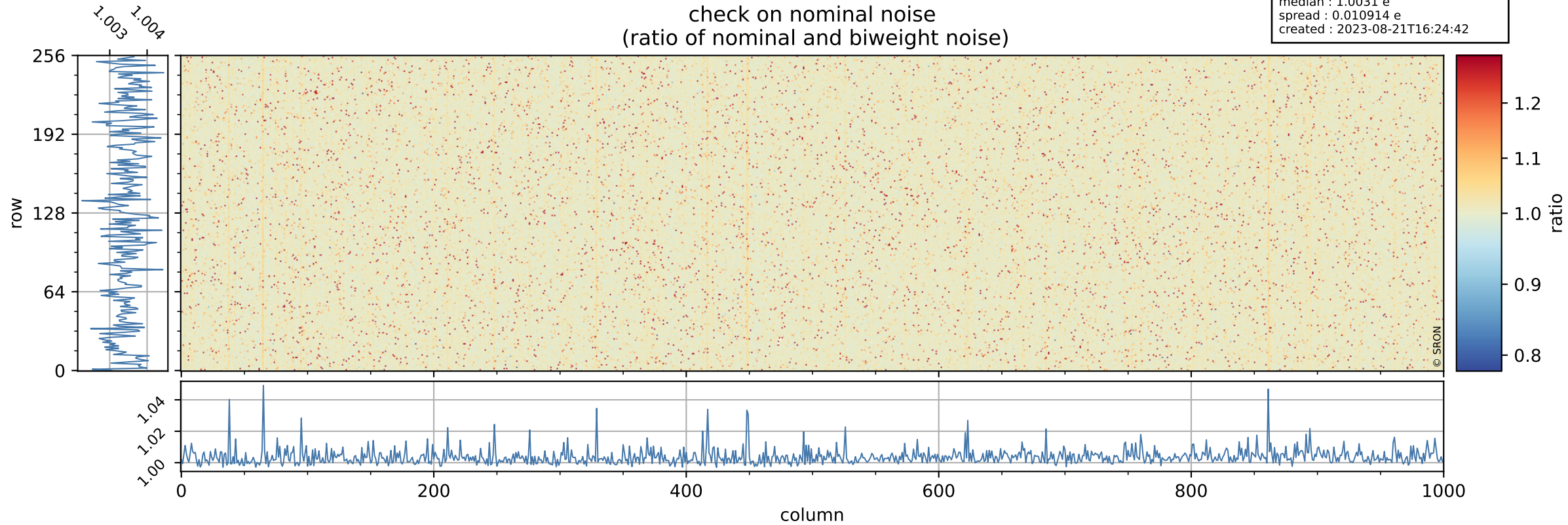
orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
median : 0.99758 e  
spread : 0.0055071 e  
created : 2023-08-21T16:24:42



# Tropomi SWIR background noise (swir)

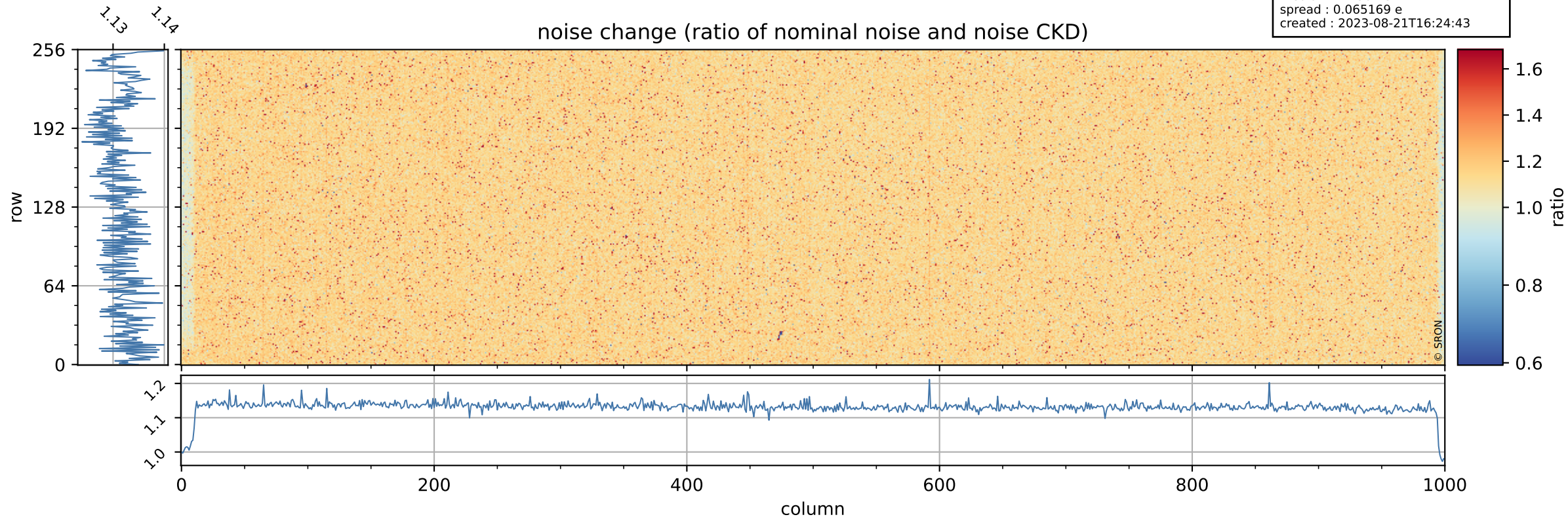
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
median : 1.0031 e  
spread : 0.010914 e  
created : 2023-08-21T16:24:42



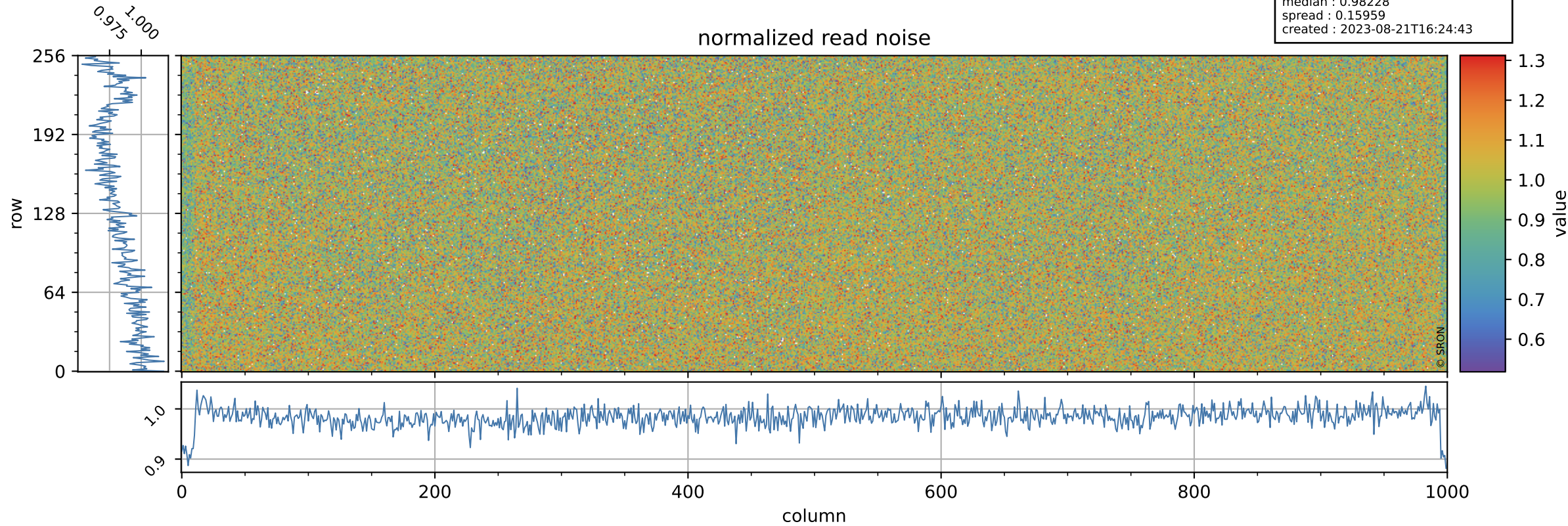
# Tropomi SWIR background noise (swir)

orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
median : 1.1304 e  
spread : 0.065169 e  
created : 2023-08-21T16:24:43



# Tropomi SWIR background noise (swir)

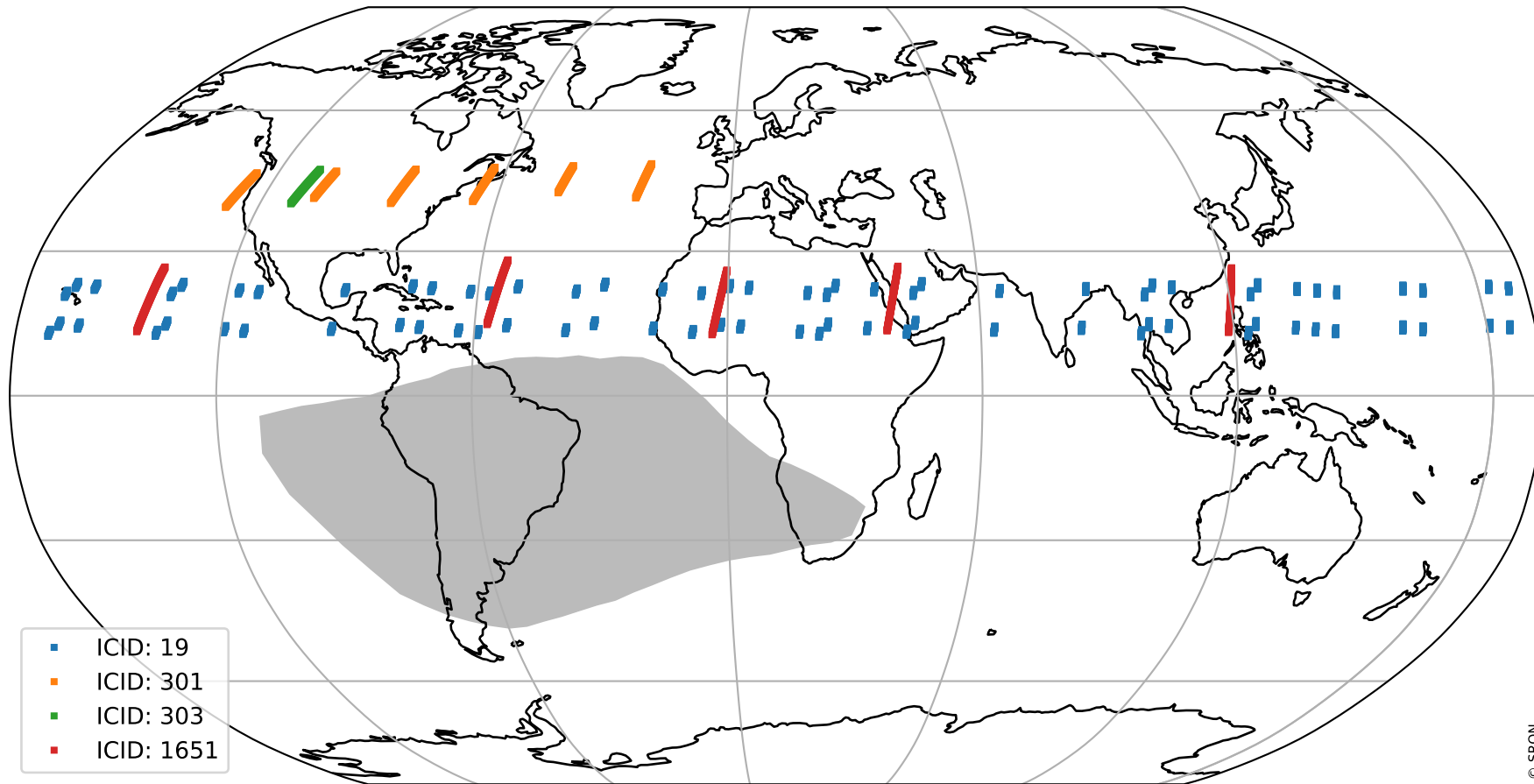
orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
median : 0.98228  
spread : 0.15959  
created : 2023-08-21T16:24:43





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

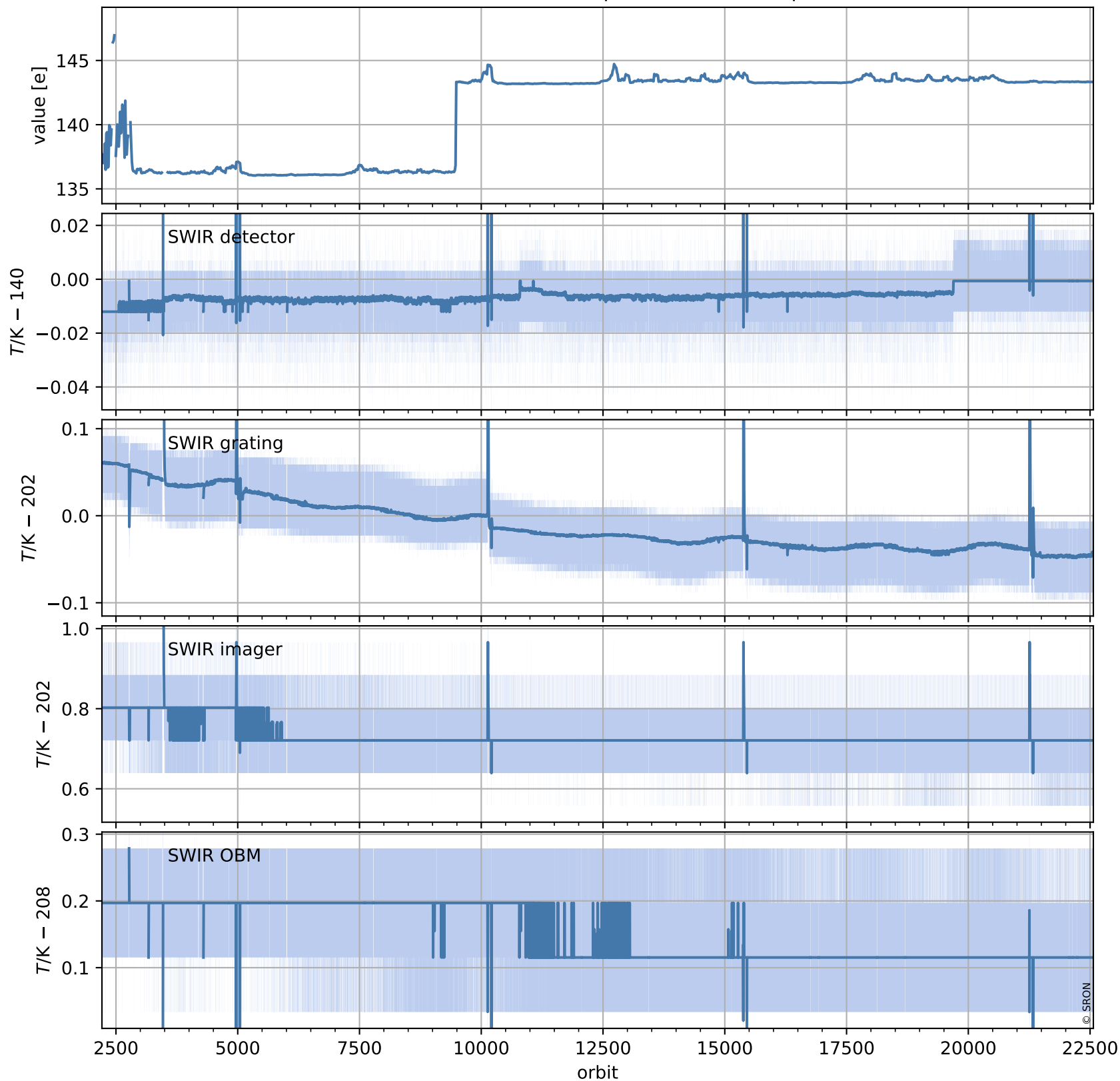
orbits : 12 in [22477, 22567]  
coverage : 2022-02-14 / 2022-02-20  
created : 2023-08-21T16:24:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 22567]  
coverage : 2018-03-18 / 2022-02-20  
created : 2023-08-21T16:24:44

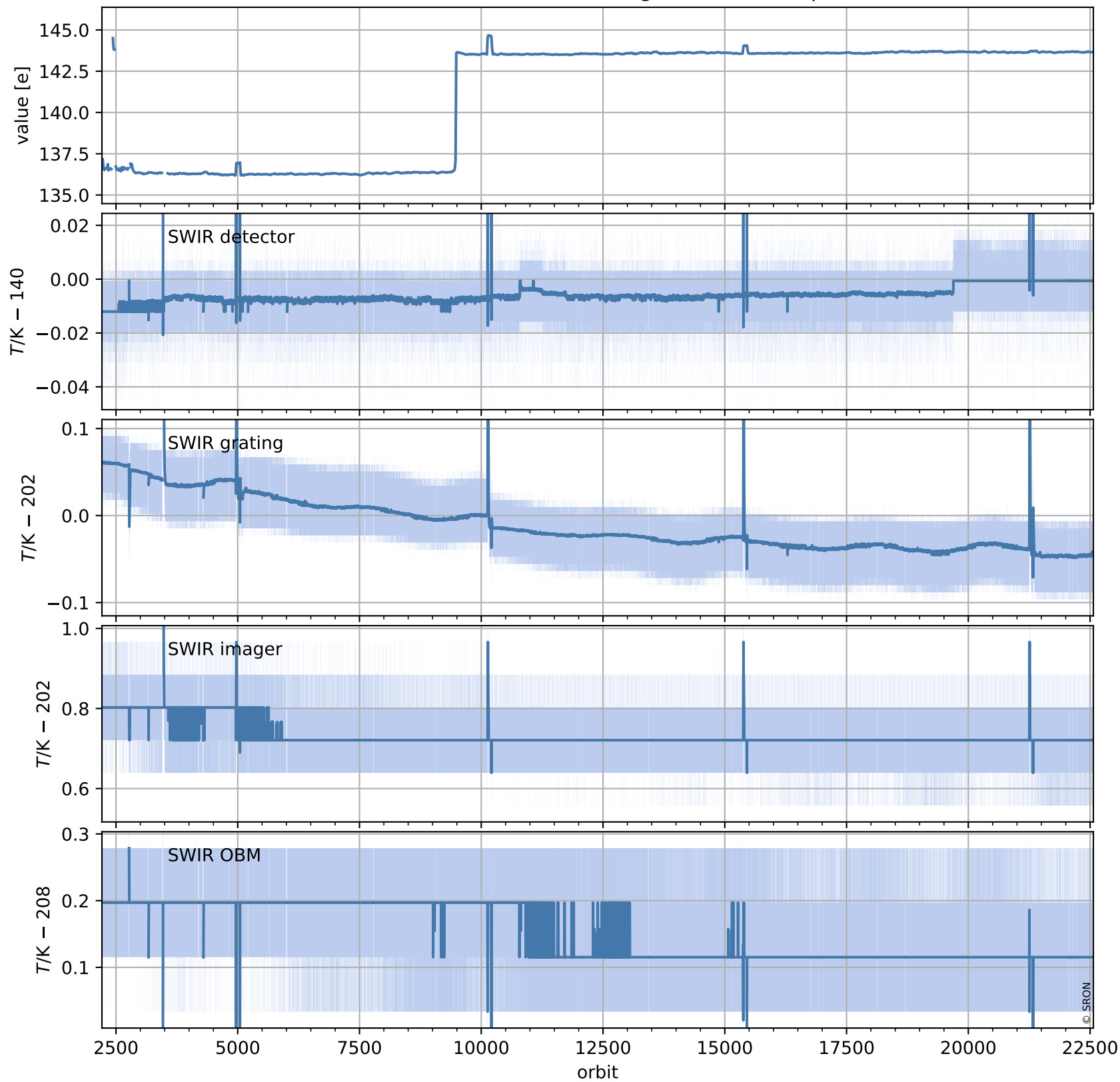
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22567]  
coverage : 2018-03-18 / 2022-02-20  
created : 2023-08-21T16:24:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 22567]  
coverage : 2018-03-18 / 2022-02-20  
created : 2023-08-21T16:24:46

## trend of normalized read-noise & temperatures

