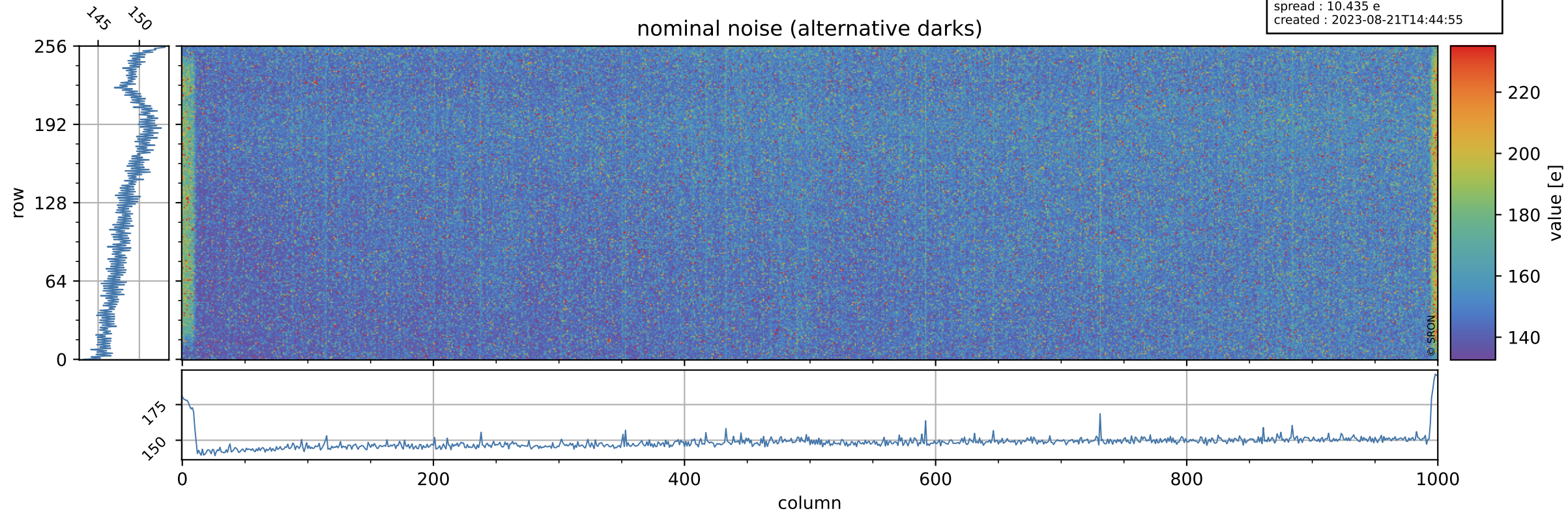


# Tropomi SWIR background noise (swir)

orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.435 e  
created : 2023-08-21T14:44:55

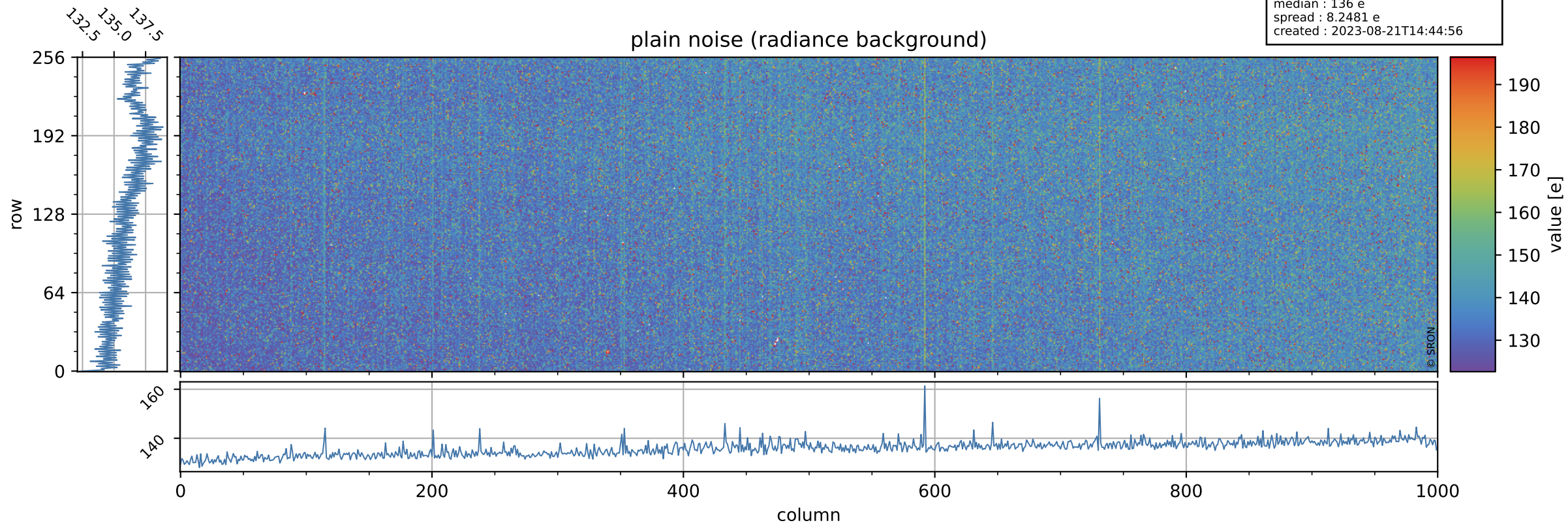
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136 e  
spread : 8.2481 e  
created : 2023-08-21T14:44:56

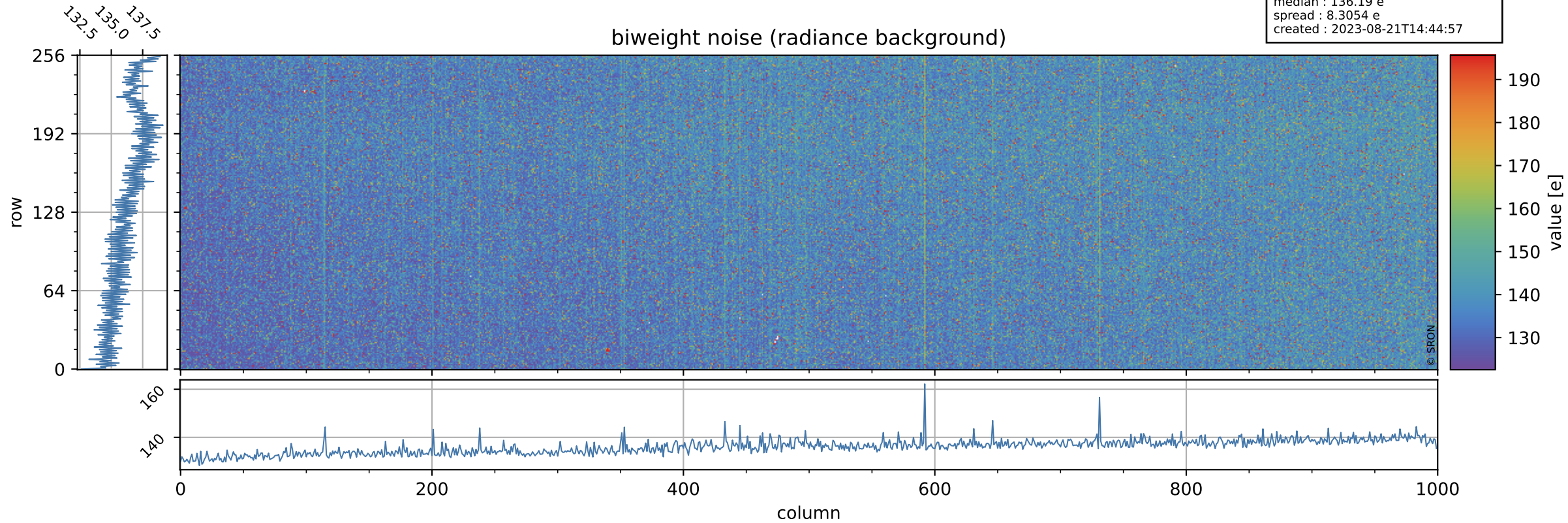
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.3054 e  
created : 2023-08-21T14:44:57

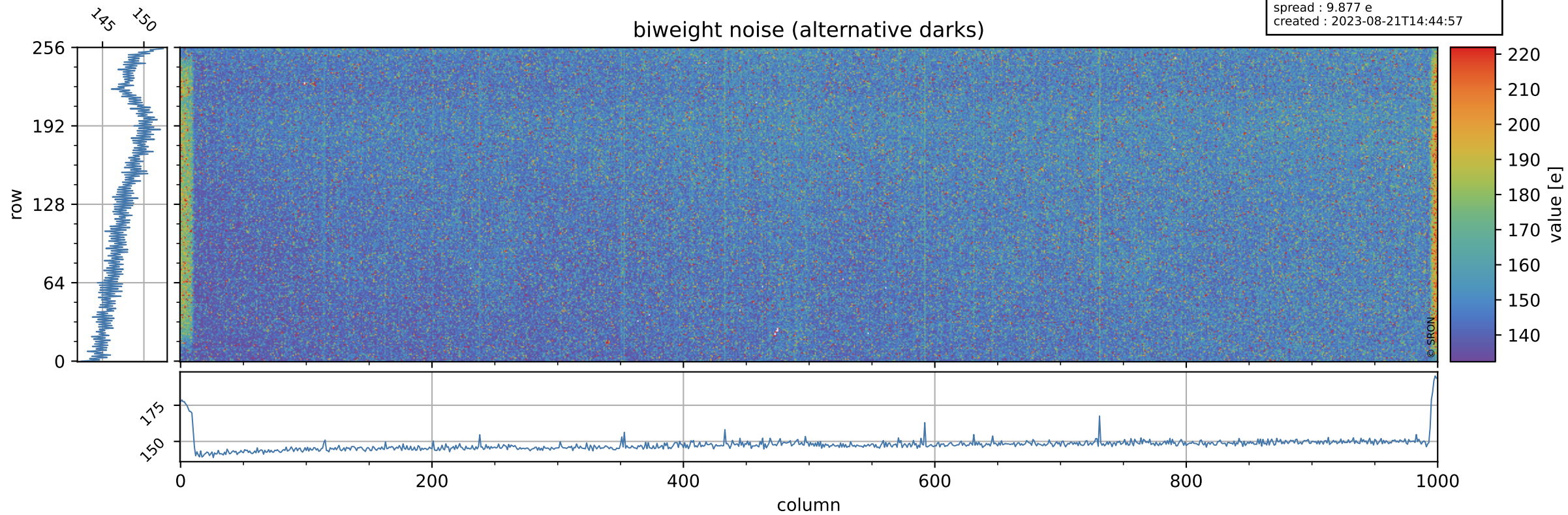
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 9.877 e  
created : 2023-08-21T14:44:57

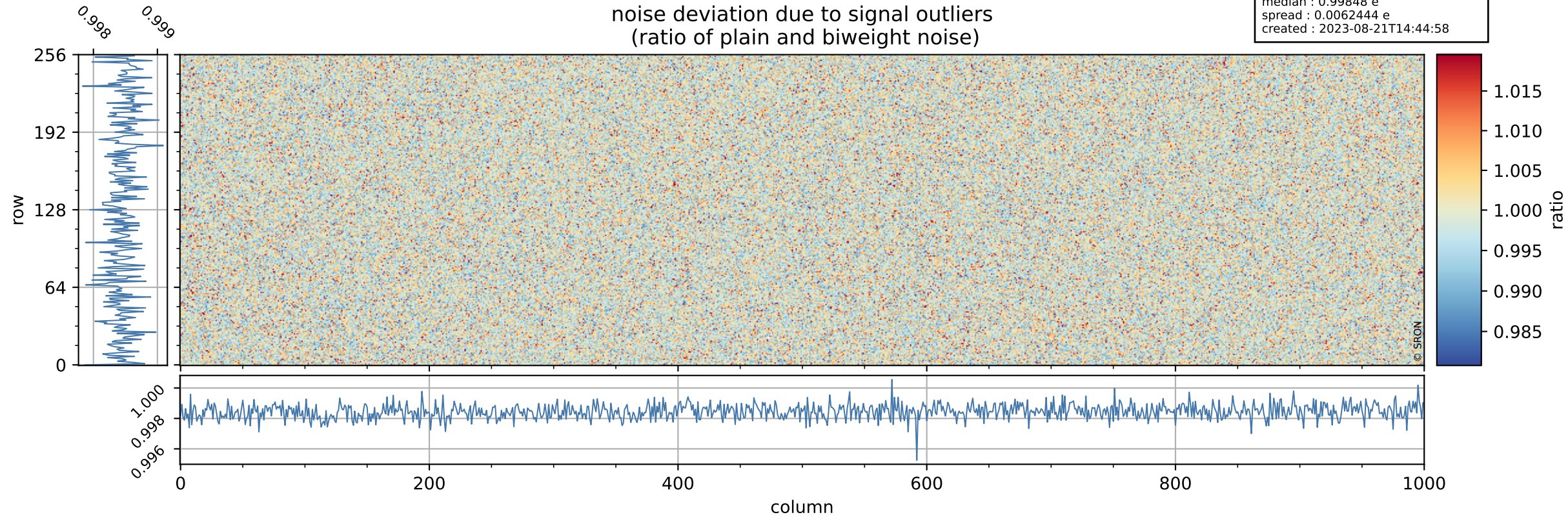
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

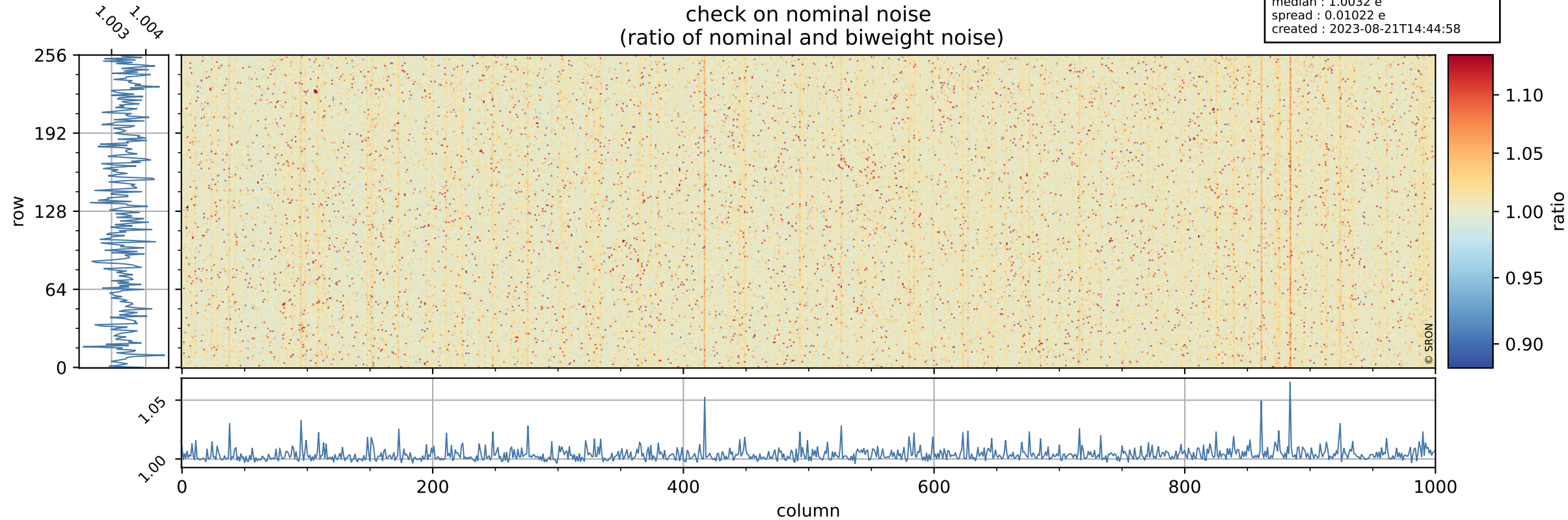
orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
median : 0.99848 e  
spread : 0.0062444 e  
created : 2023-08-21T14:44:58



# Tropomi SWIR background noise (swir)

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

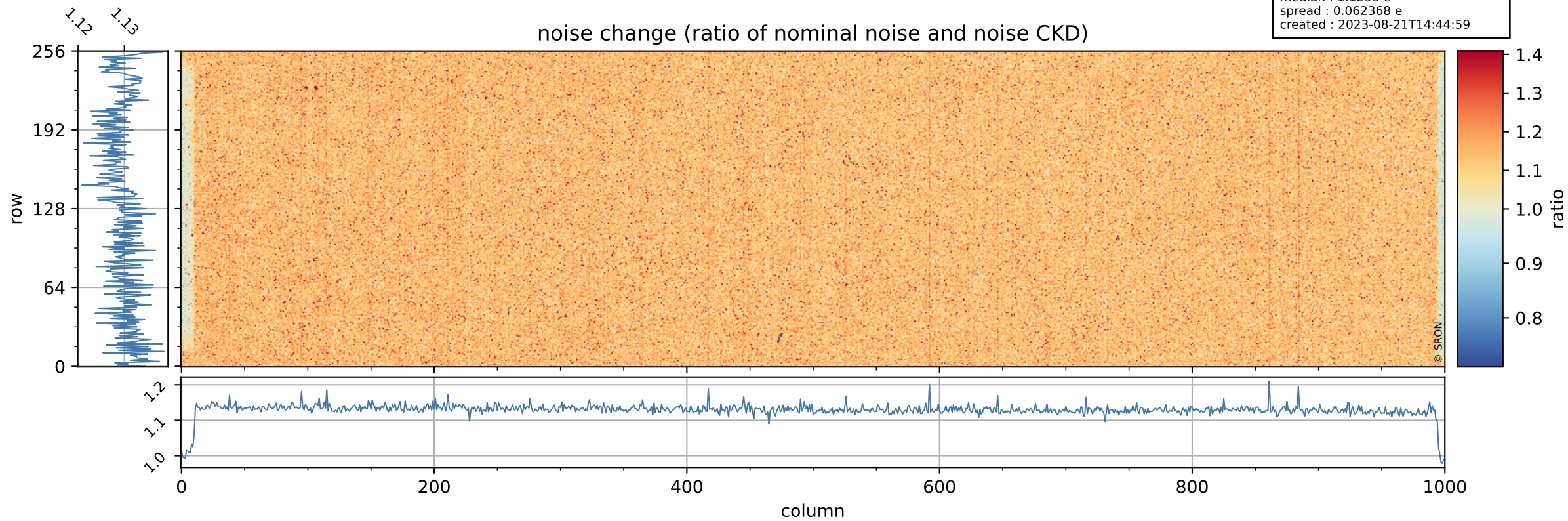
orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
median : 1.0032 e  
spread : 0.01022 e  
created : 2023-08-21T14:44:58



# Tropomi SWIR background noise (swir)

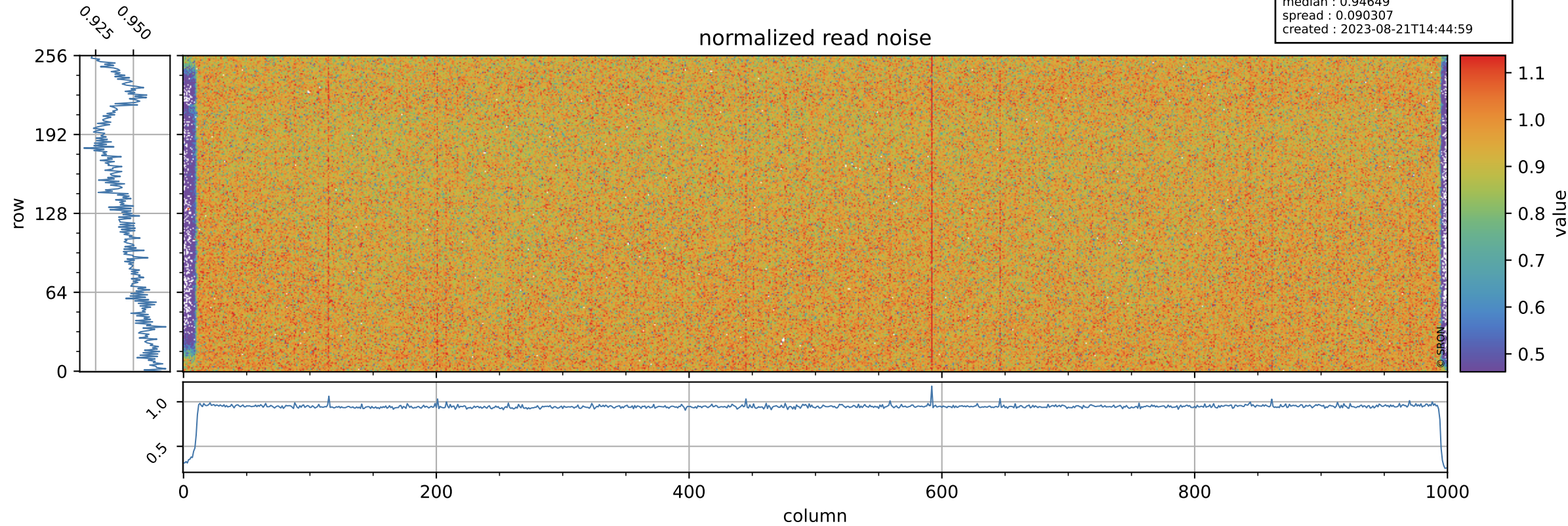
orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
median : 1.1293 e  
spread : 0.062368 e  
created : 2023-08-21T14:44:59

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

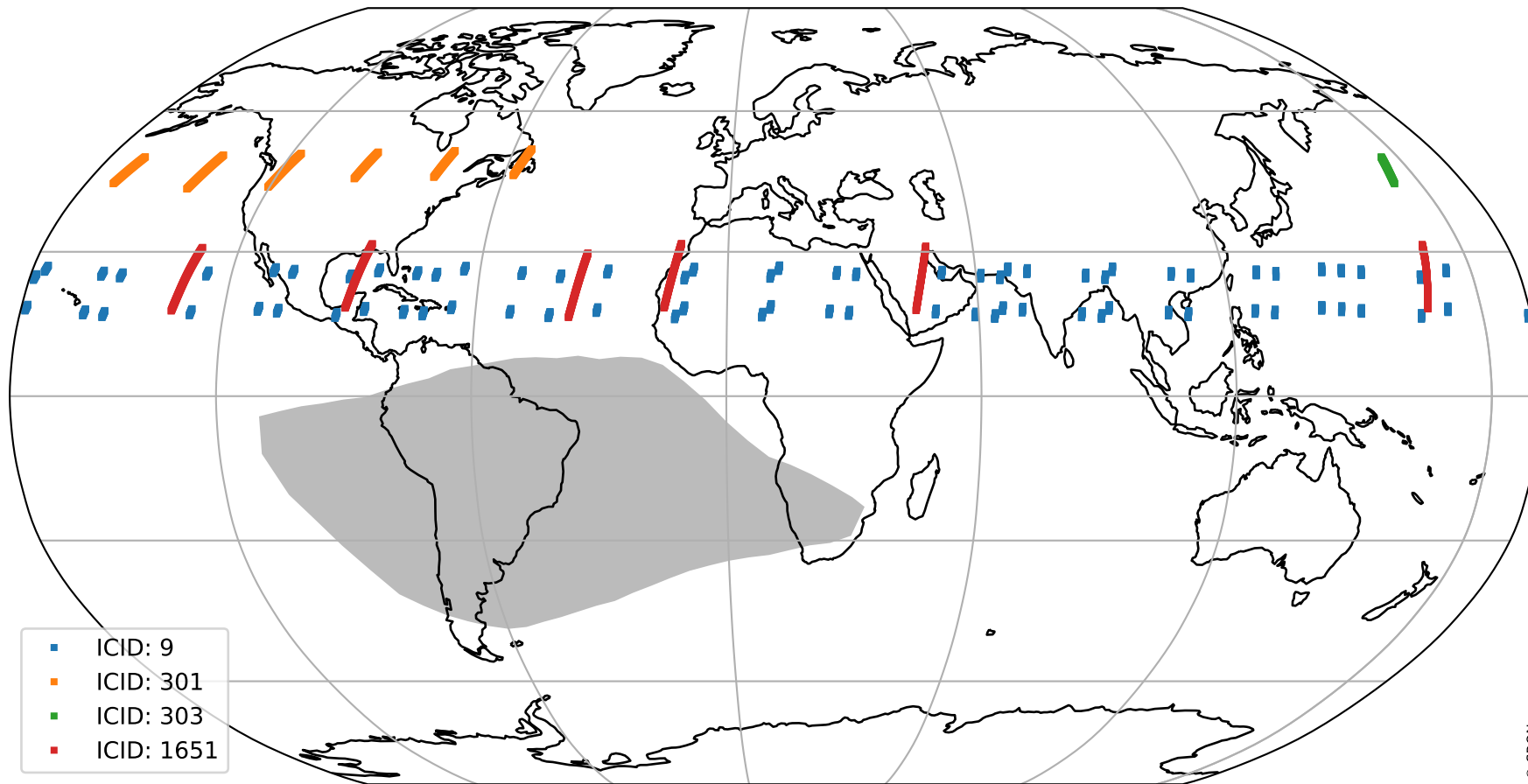
orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
median : 0.94649  
spread : 0.090307  
created : 2023-08-21T14:44:59





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

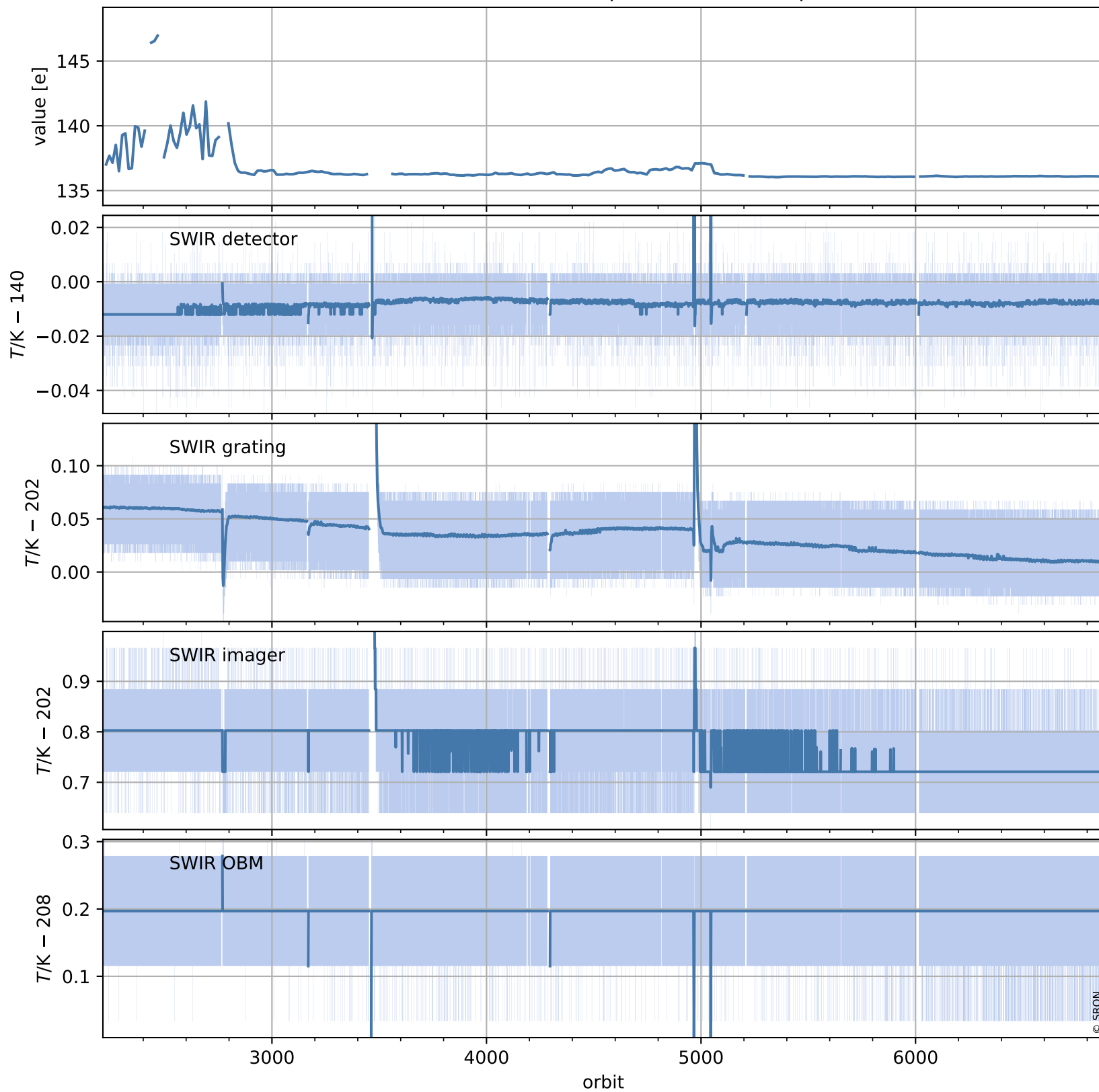
orbits : 13 in [6787, 6877]  
coverage : 2019-02-04 / 2019-02-10  
created : 2023-08-21T14:45:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 6877]  
coverage : 2018-03-18 / 2019-02-10  
created : 2023-08-21T14:45:00

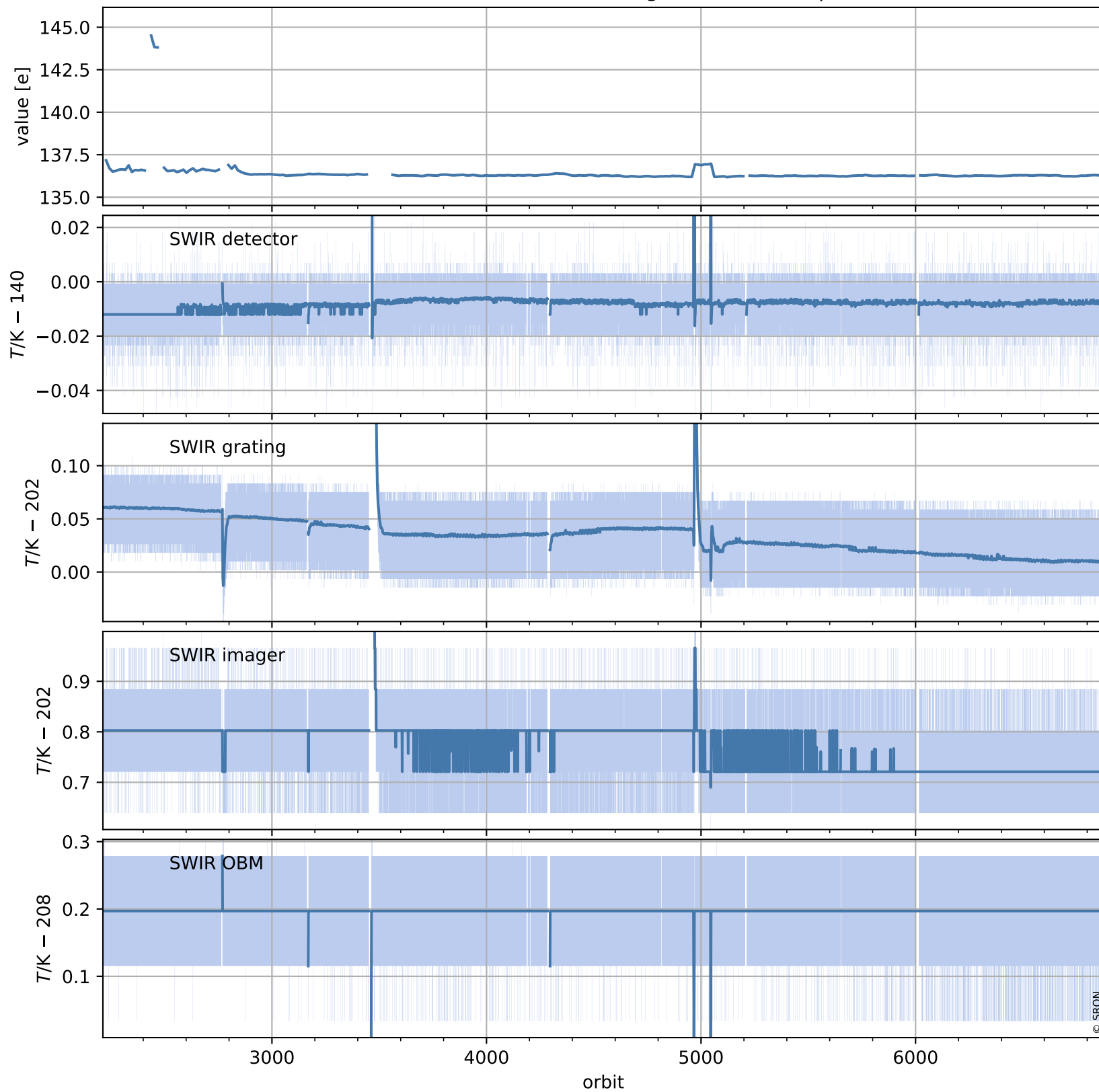
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6877]  
coverage : 2018-03-18 / 2019-02-10  
created : 2023-08-21T14:45:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6877]  
coverage : 2018-03-18 / 2019-02-10  
created : 2023-08-21T14:45:01

## trend of normalized read-noise & temperatures

