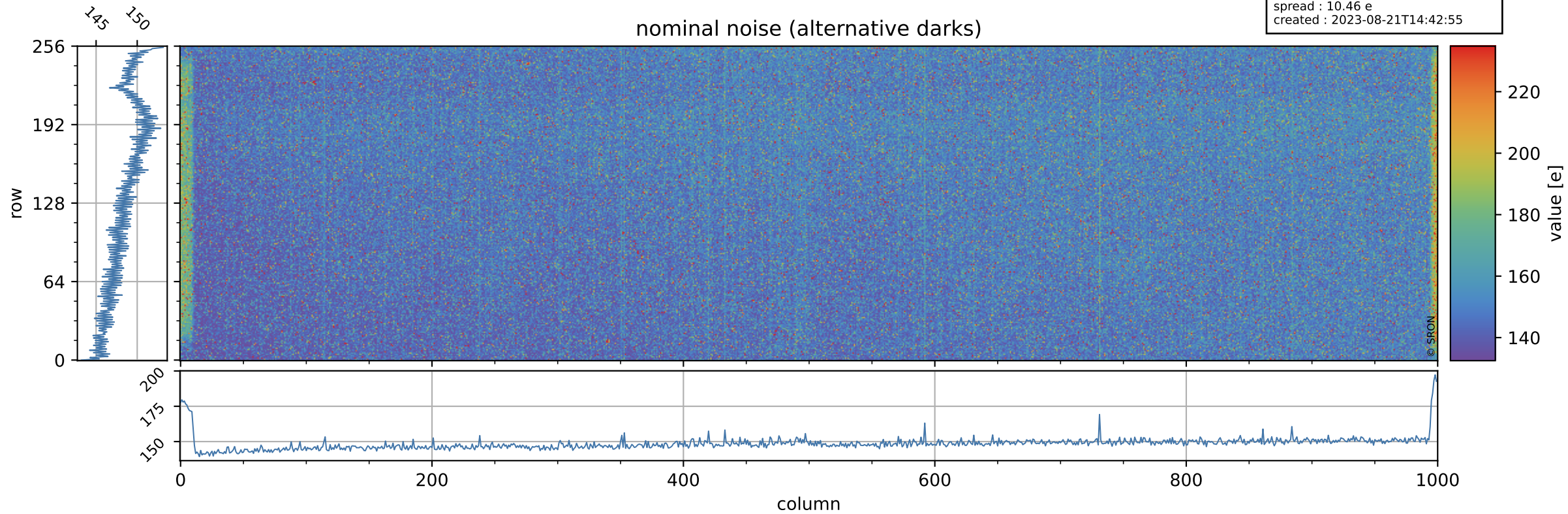


# Tropomi SWIR background noise (swir)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.46 e  
created : 2023-08-21T14:42:55

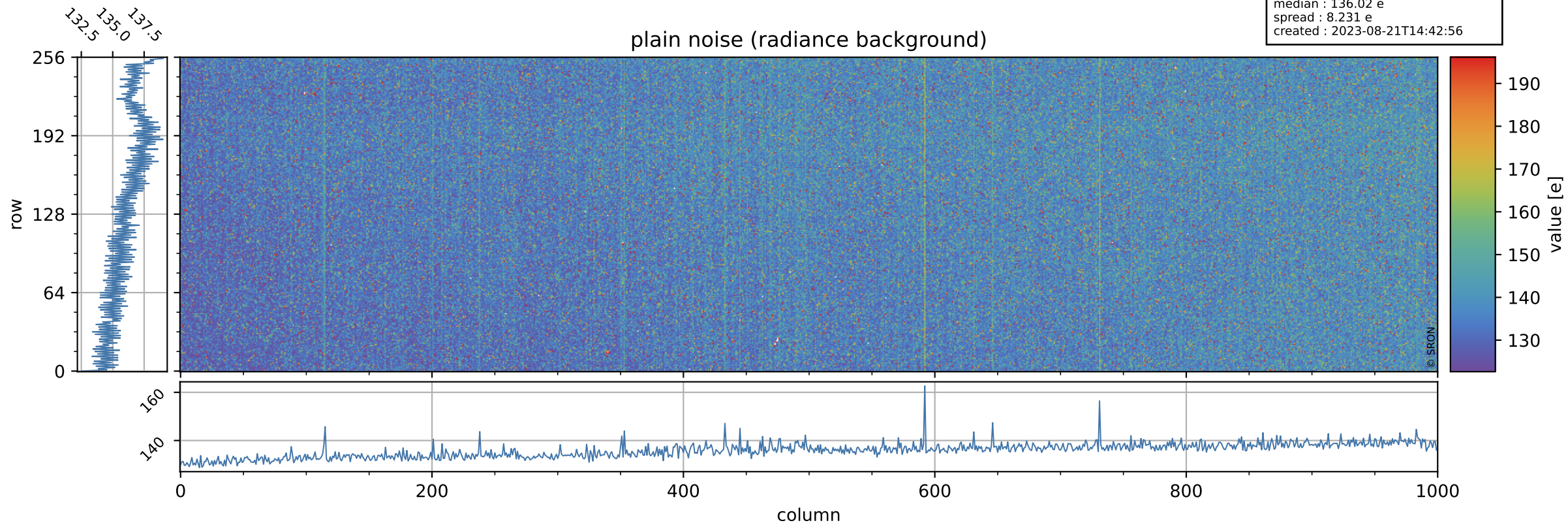
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.231 e  
created : 2023-08-21T14:42:56

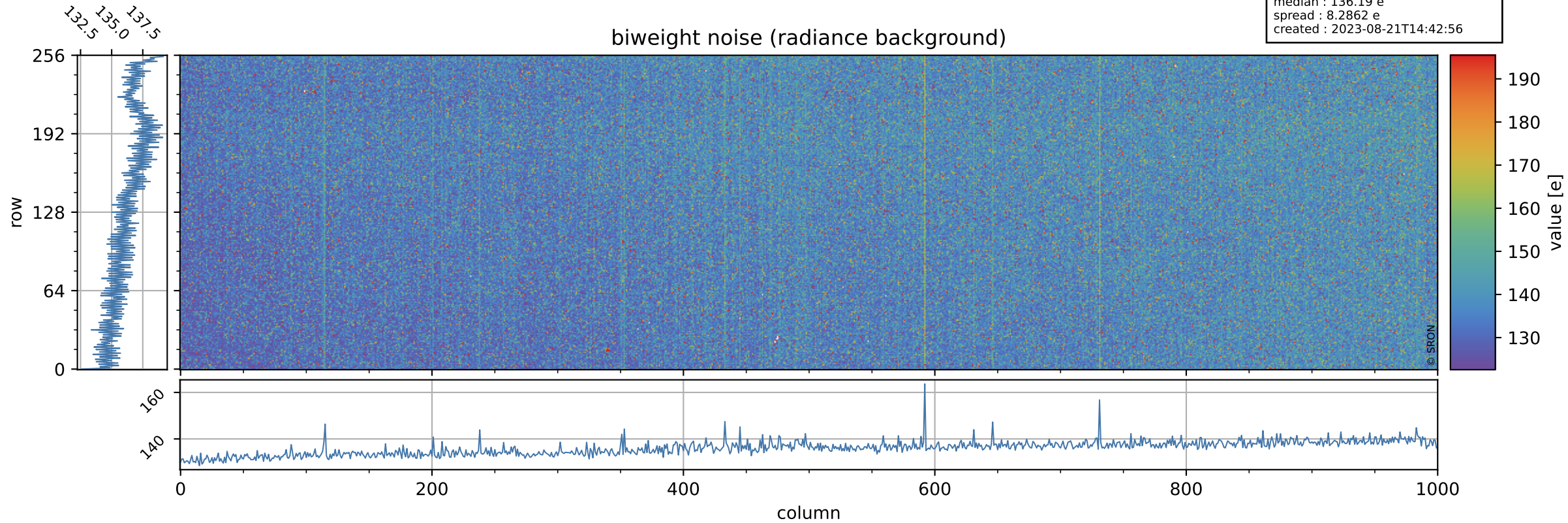
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.2862 e  
created : 2023-08-21T14:42:56

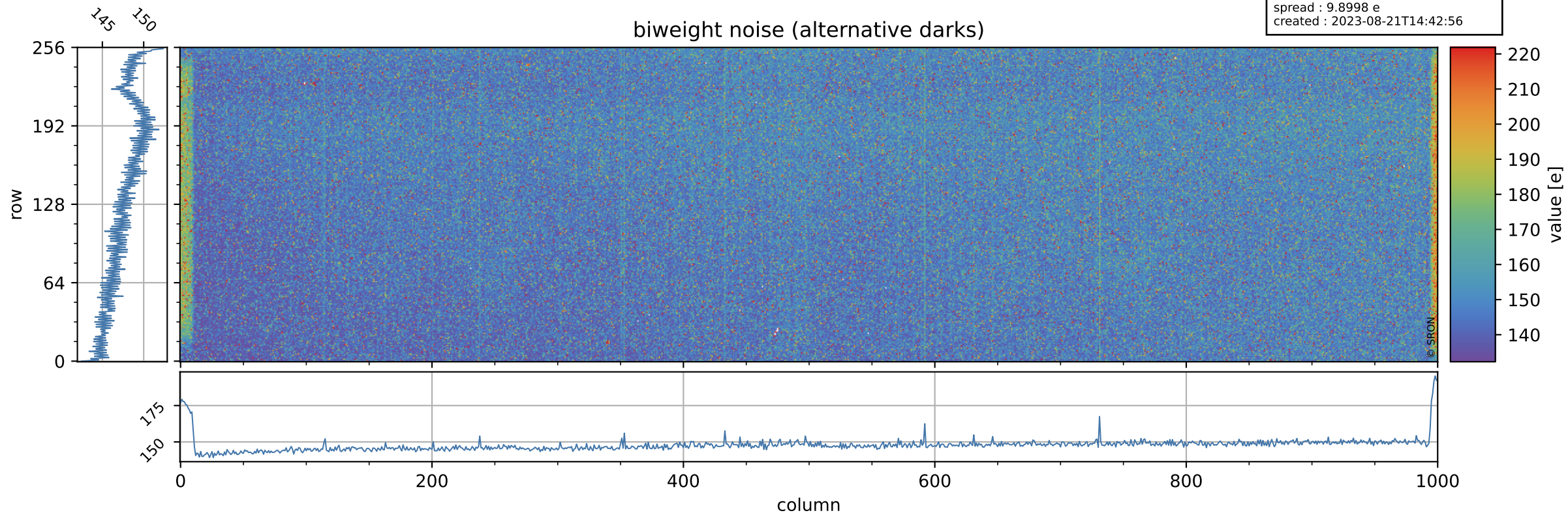
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 9.8998 e  
created : 2023-08-21T14:42:56

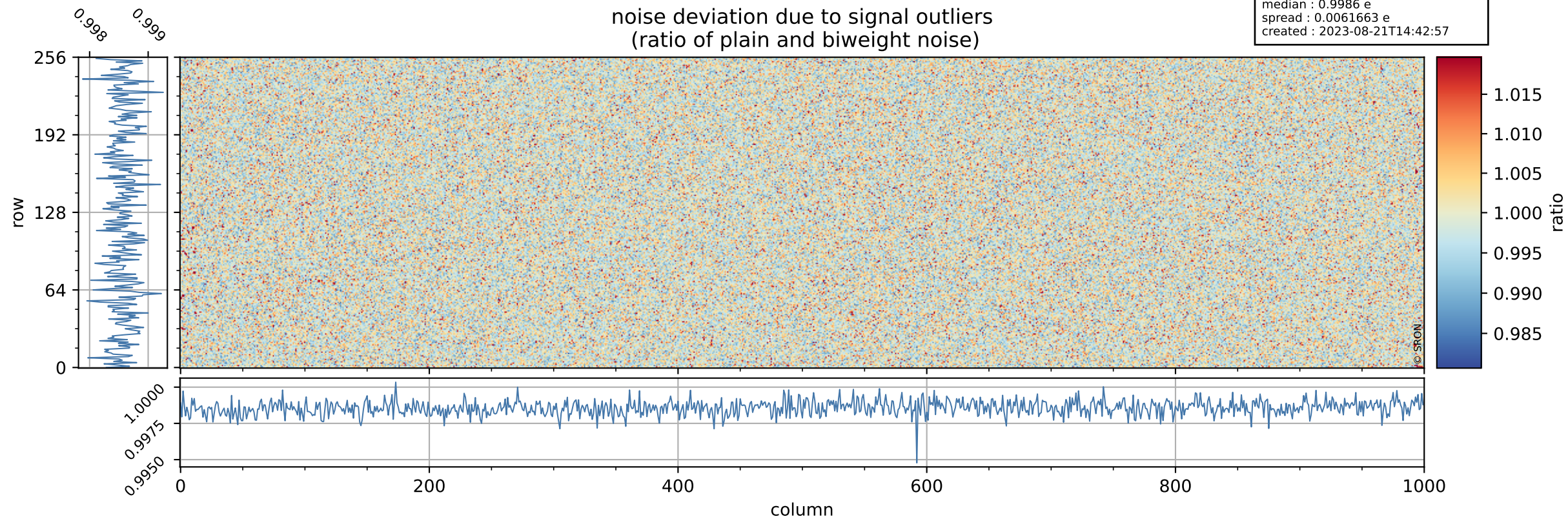
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

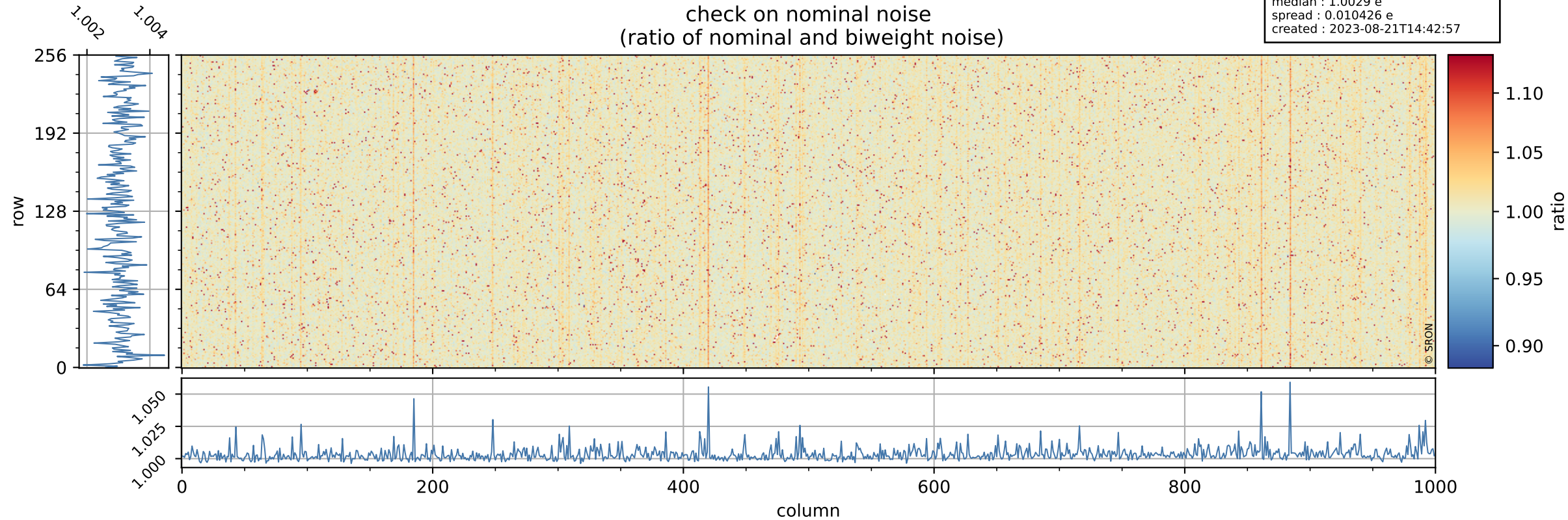
orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
median : 0.9986 e  
spread : 0.0061663 e  
created : 2023-08-21T14:42:57



# Tropomi SWIR background noise (swir)

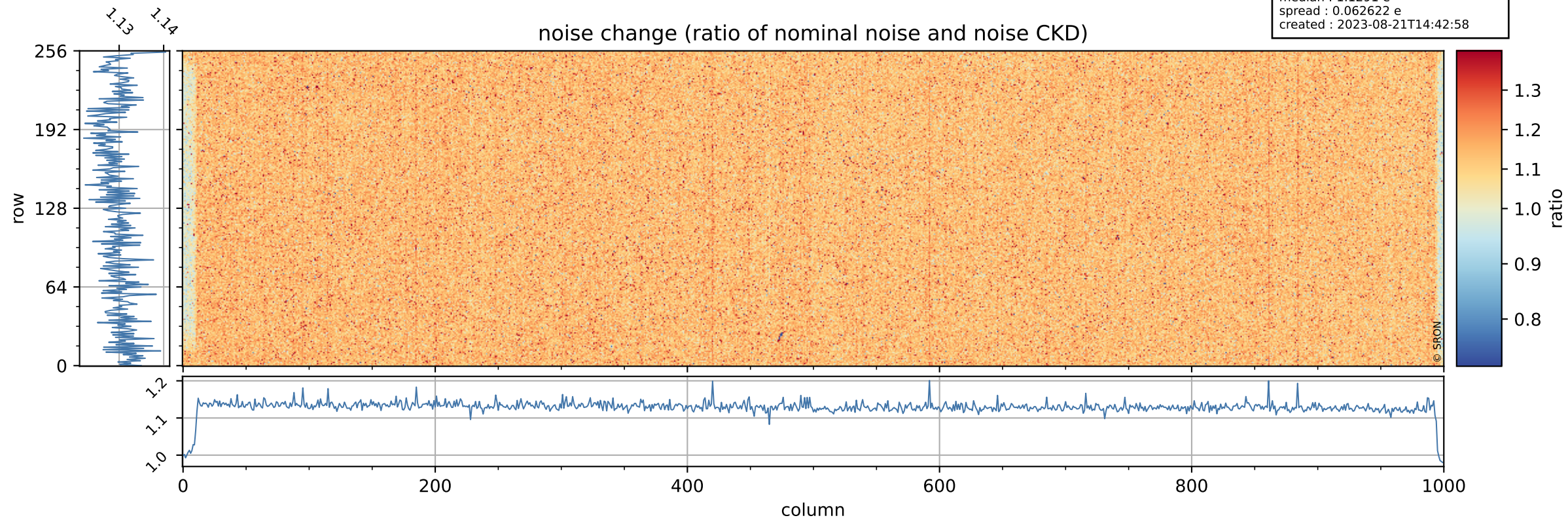
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
median : 1.0029 e  
spread : 0.010426 e  
created : 2023-08-21T14:42:57



# Tropomi SWIR background noise (swir)

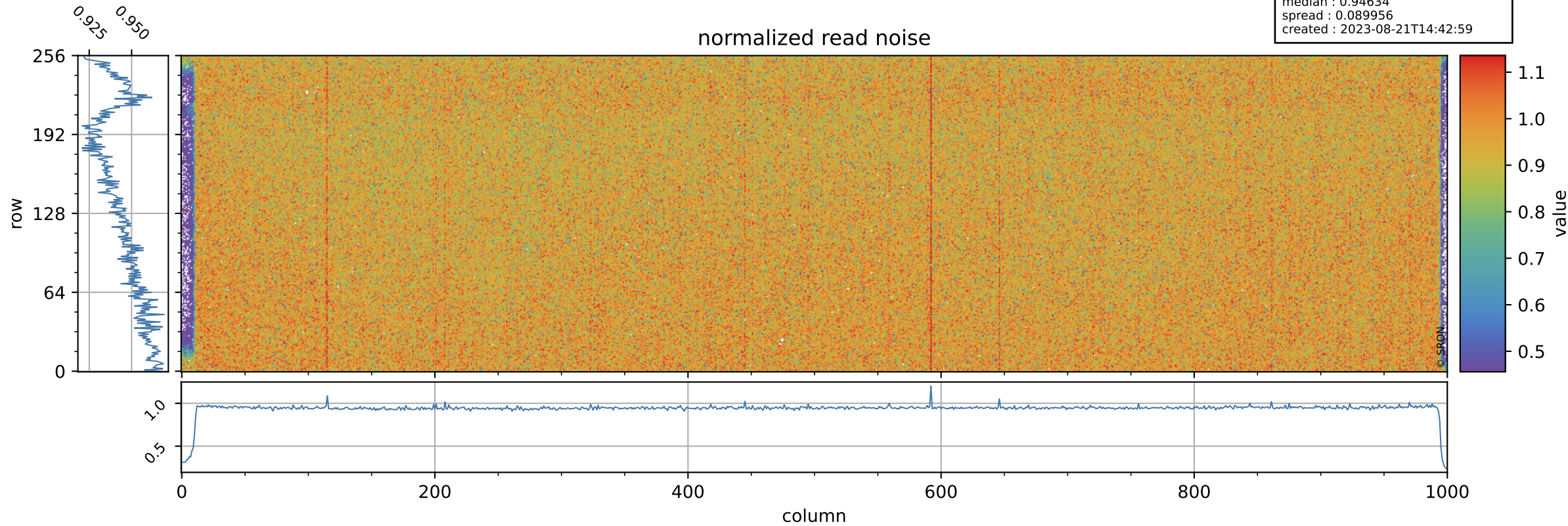
orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
median : 1.1291 e  
spread : 0.062622 e  
created : 2023-08-21T14:42:58



# Tropomi SWIR background noise (swir)

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
median : 0.94634  
spread : 0.089956  
created : 2023-08-21T14:42:59

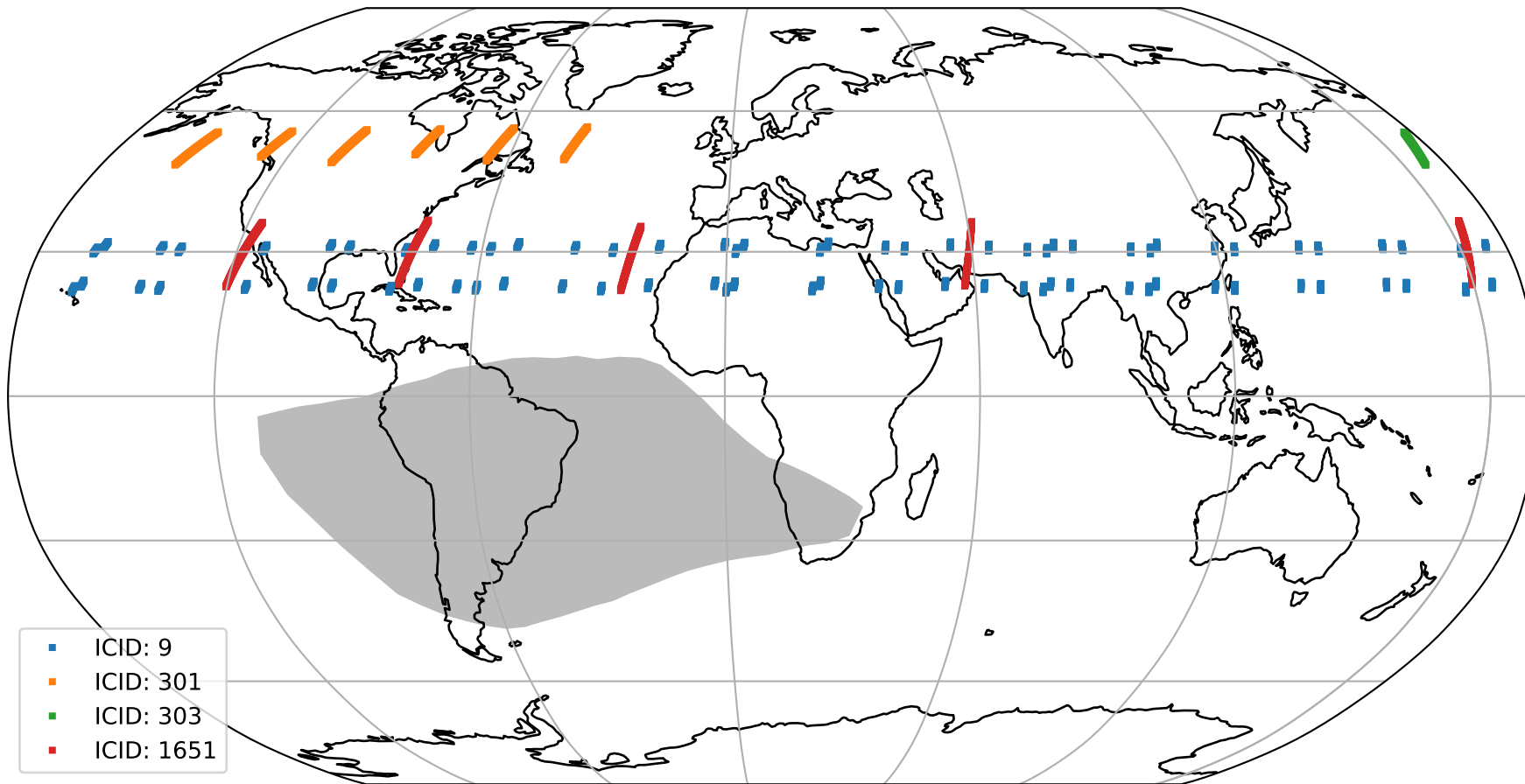
## normalized read noise





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

orbits : 12 in [6517, 6607]  
coverage : 2019-01-16 / 2019-01-22  
created : 2023-08-21T14:42:59

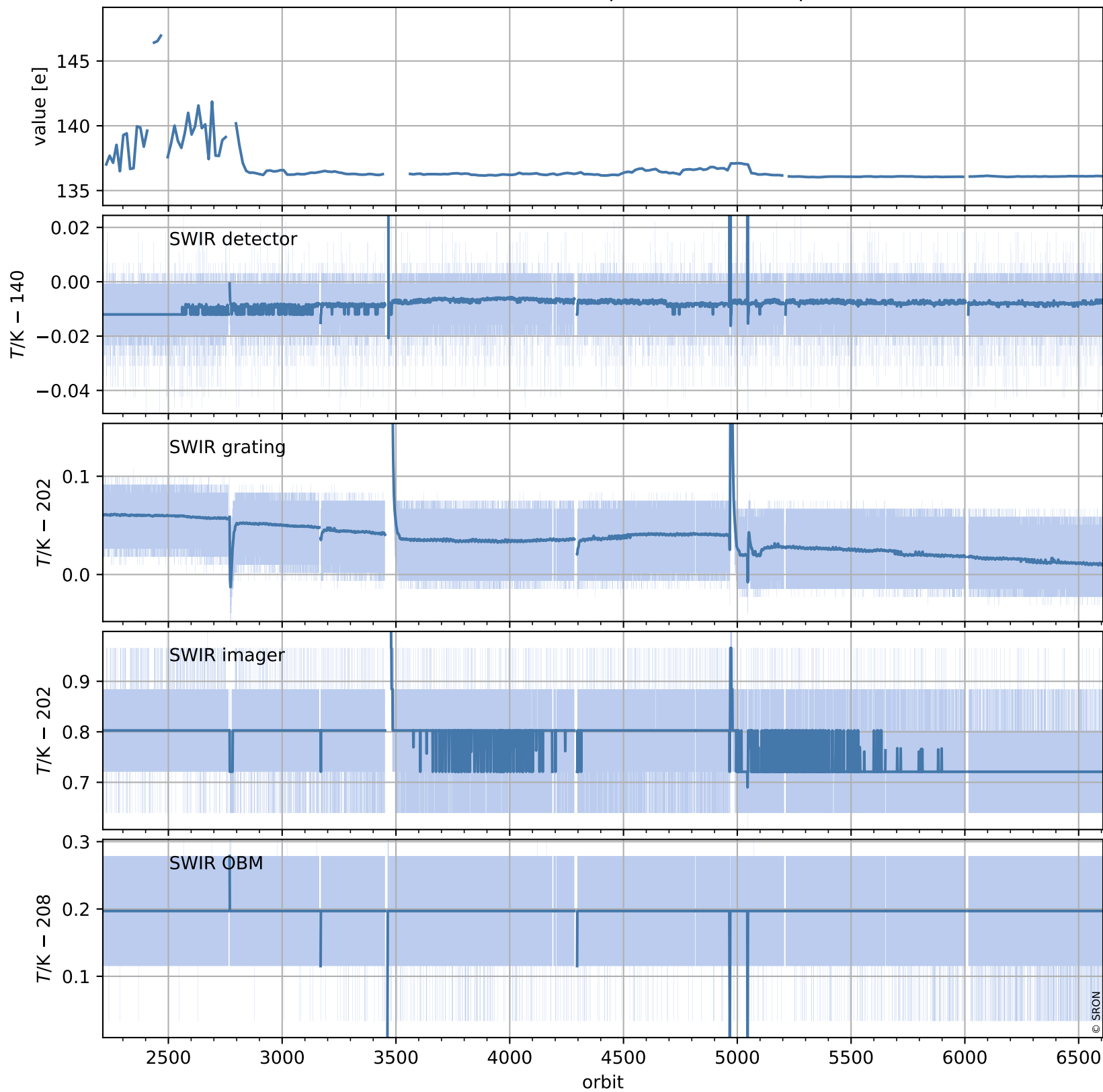


- ICID: 9
- ICID: 301
- ICID: 303
- ICID: 1651

# Tropomi SWIR background noise (swir)

orbits : [2212, 6607]  
coverage : 2018-03-18 / 2019-01-22  
created : 2023-08-21T14:42:59

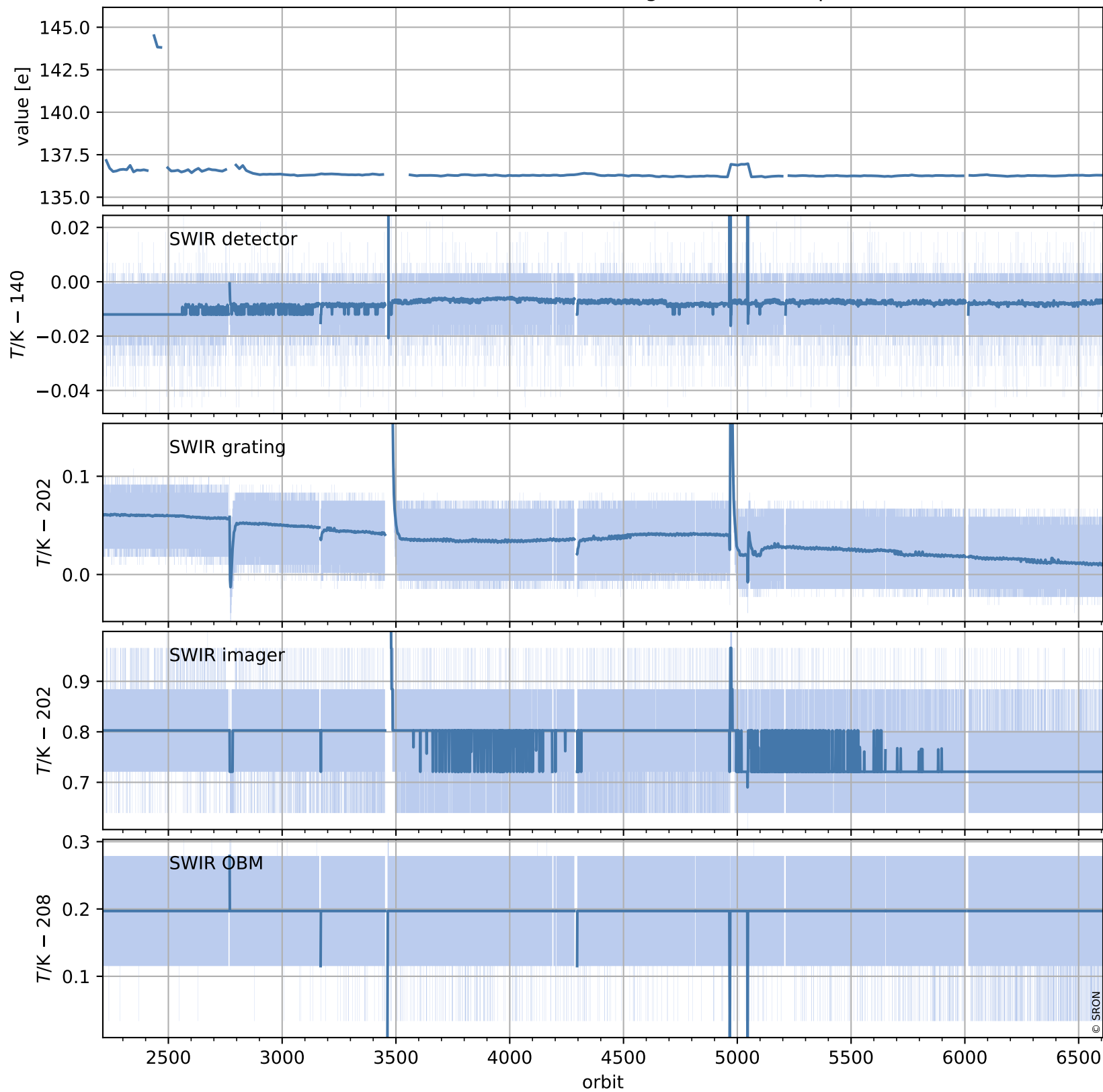
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6607]  
coverage : 2018-03-18 / 2019-01-22  
created : 2023-08-21T14:43:00

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6607]  
coverage : 2018-03-18 / 2019-01-22  
created : 2023-08-21T14:43:01

## trend of normalized read-noise & temperatures

