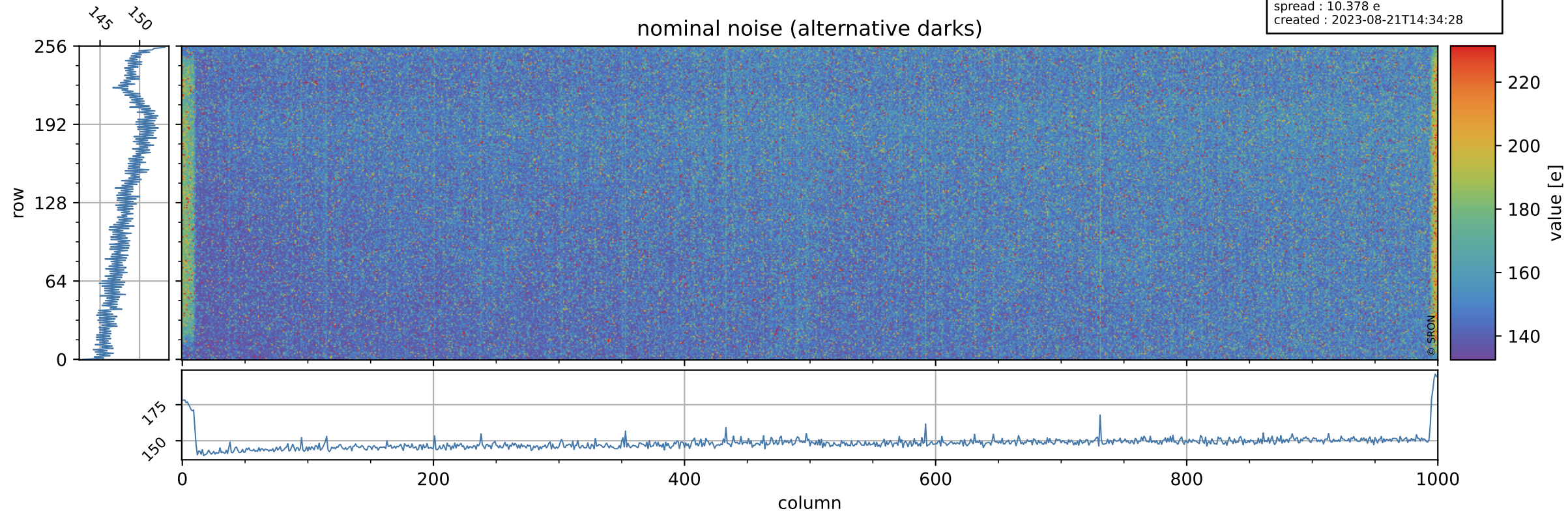


# Tropomi SWIR background noise (swir)

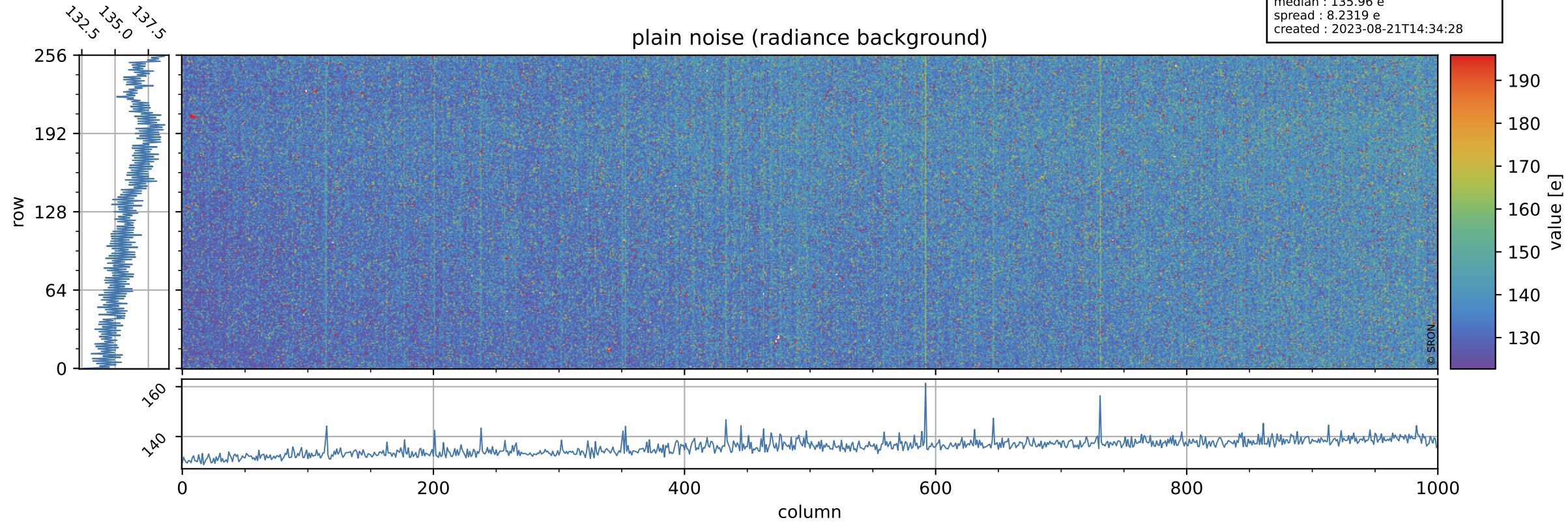
orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.24 e  
spread : 10.378 e  
created : 2023-08-21T14:34:28



# Tropomi SWIR background noise (swir)

orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
n\_coad, t\_exp : 2, 0.5383  
median : 135.96 e  
spread : 8.2319 e  
created : 2023-08-21T14:34:28

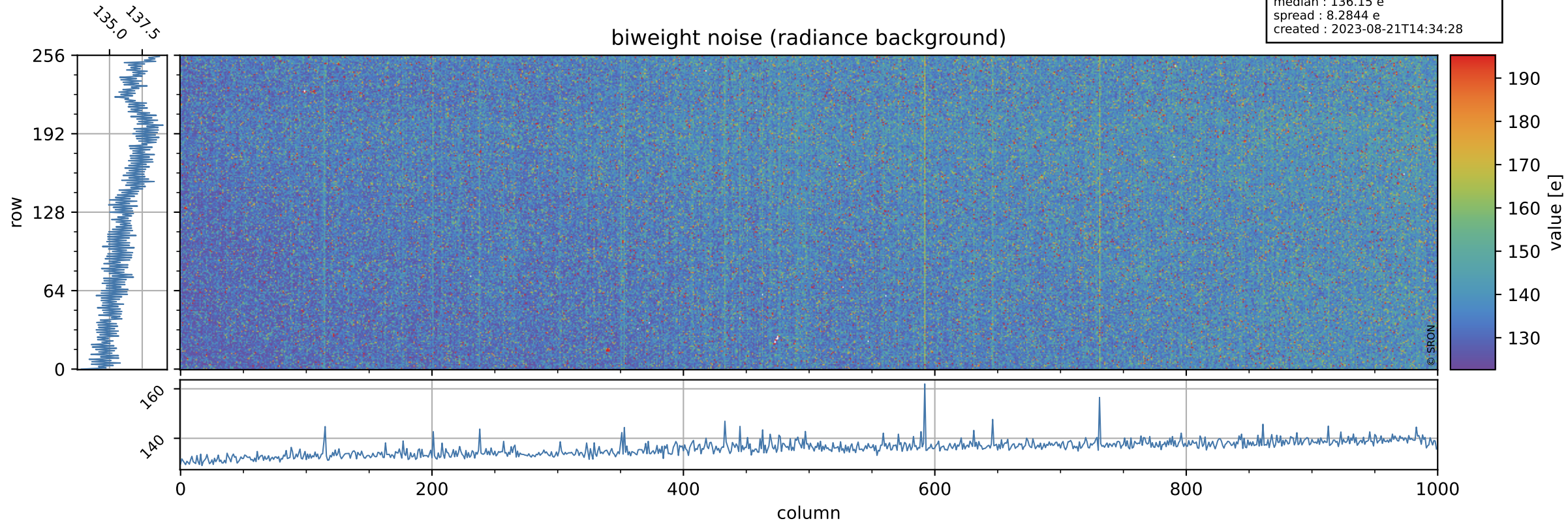
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.2844 e  
created : 2023-08-21T14:34:28

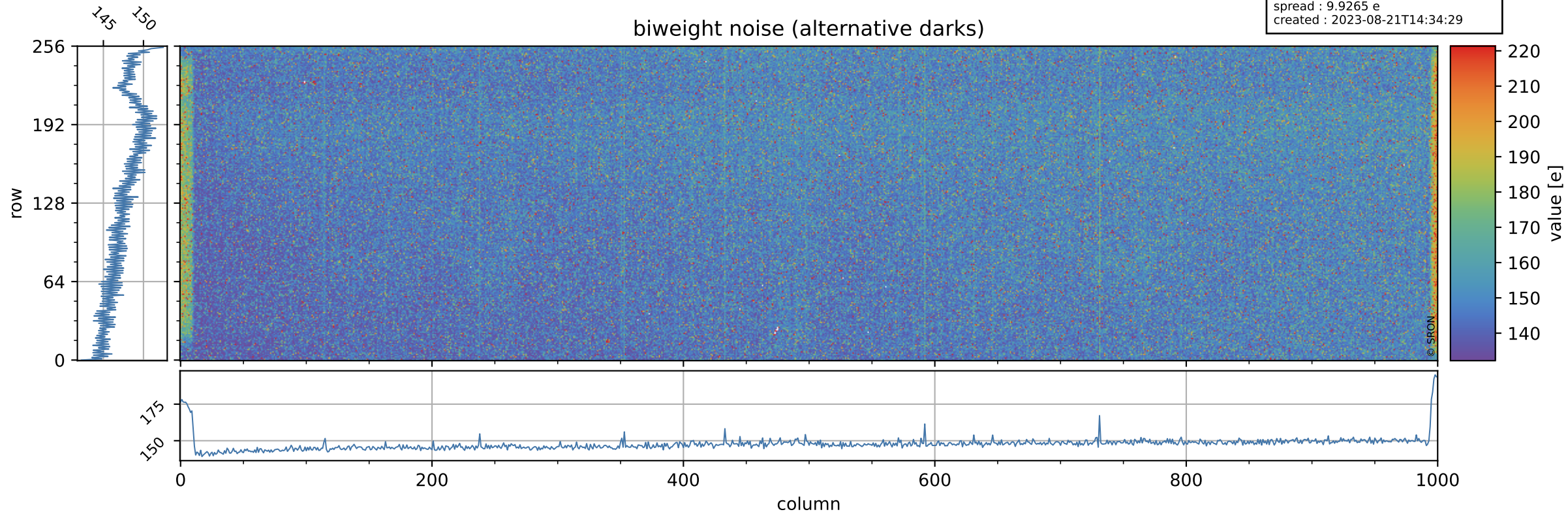
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.51 e  
spread : 9.9265 e  
created : 2023-08-21T14:34:29

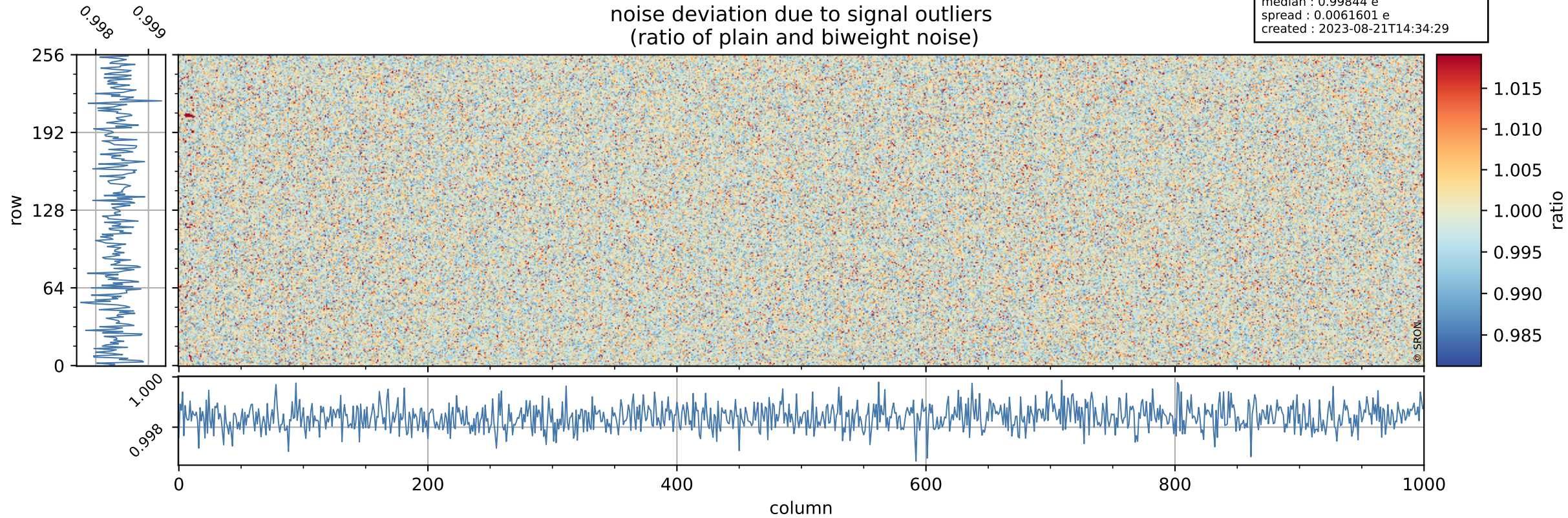
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

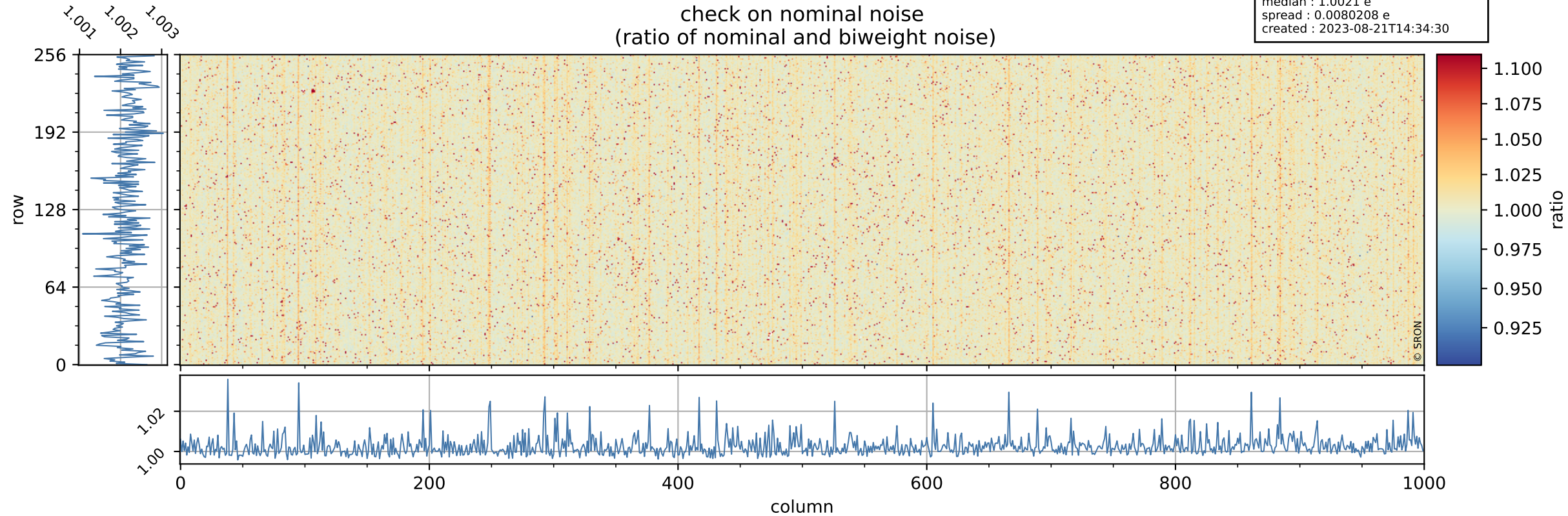
orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
median : 0.99844 e  
spread : 0.0061601 e  
created : 2023-08-21T14:34:29



# Tropomi SWIR background noise (swir)

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

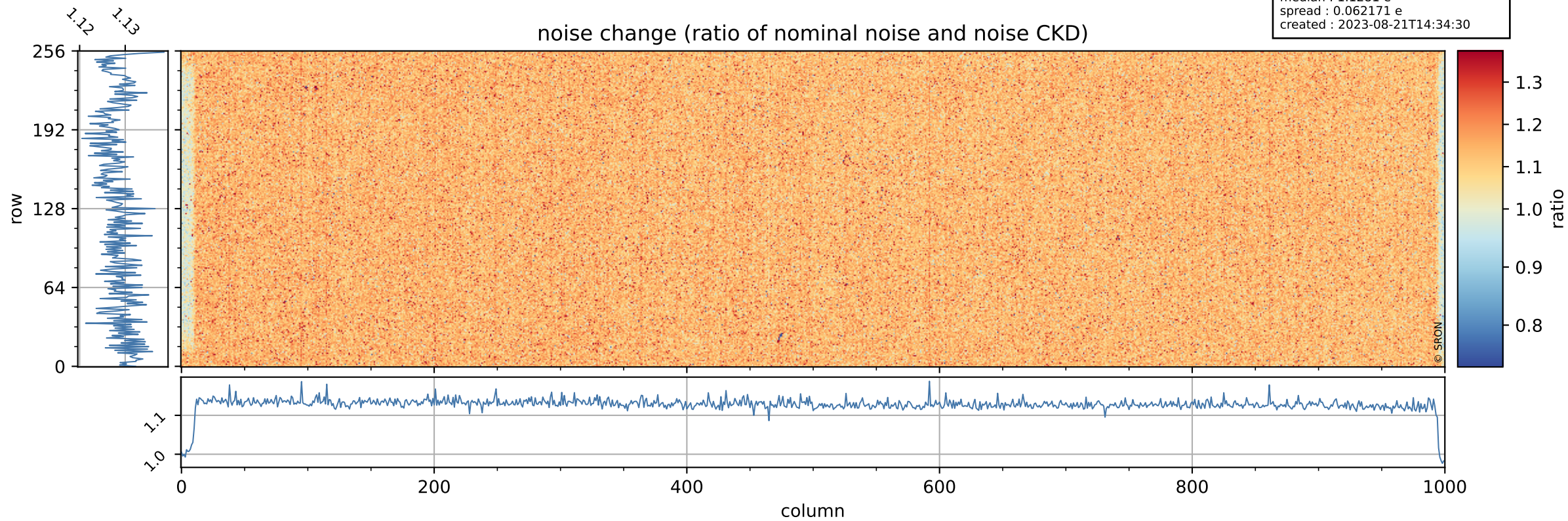
orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
median : 1.0021 e  
spread : 0.0080208 e  
created : 2023-08-21T14:34:30



# Tropomi SWIR background noise (swir)

orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
median : 1.1281 e  
spread : 0.062171 e  
created : 2023-08-21T14:34:30

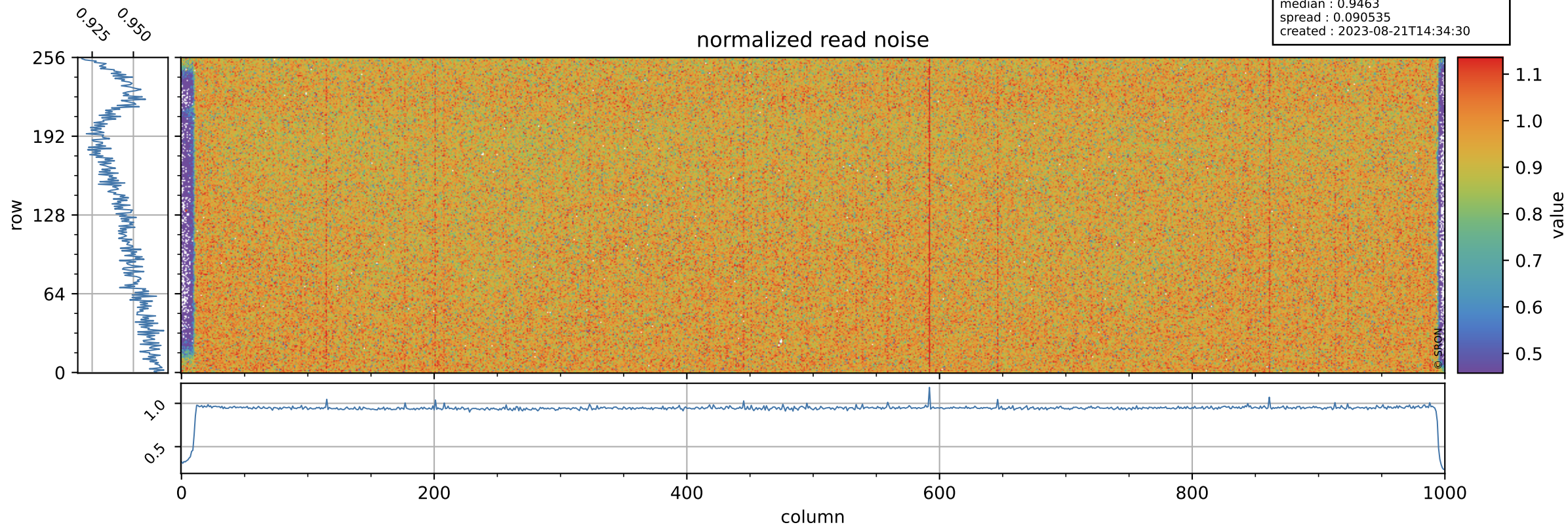
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
median : 0.9463  
spread : 0.090535  
created : 2023-08-21T14:34:30

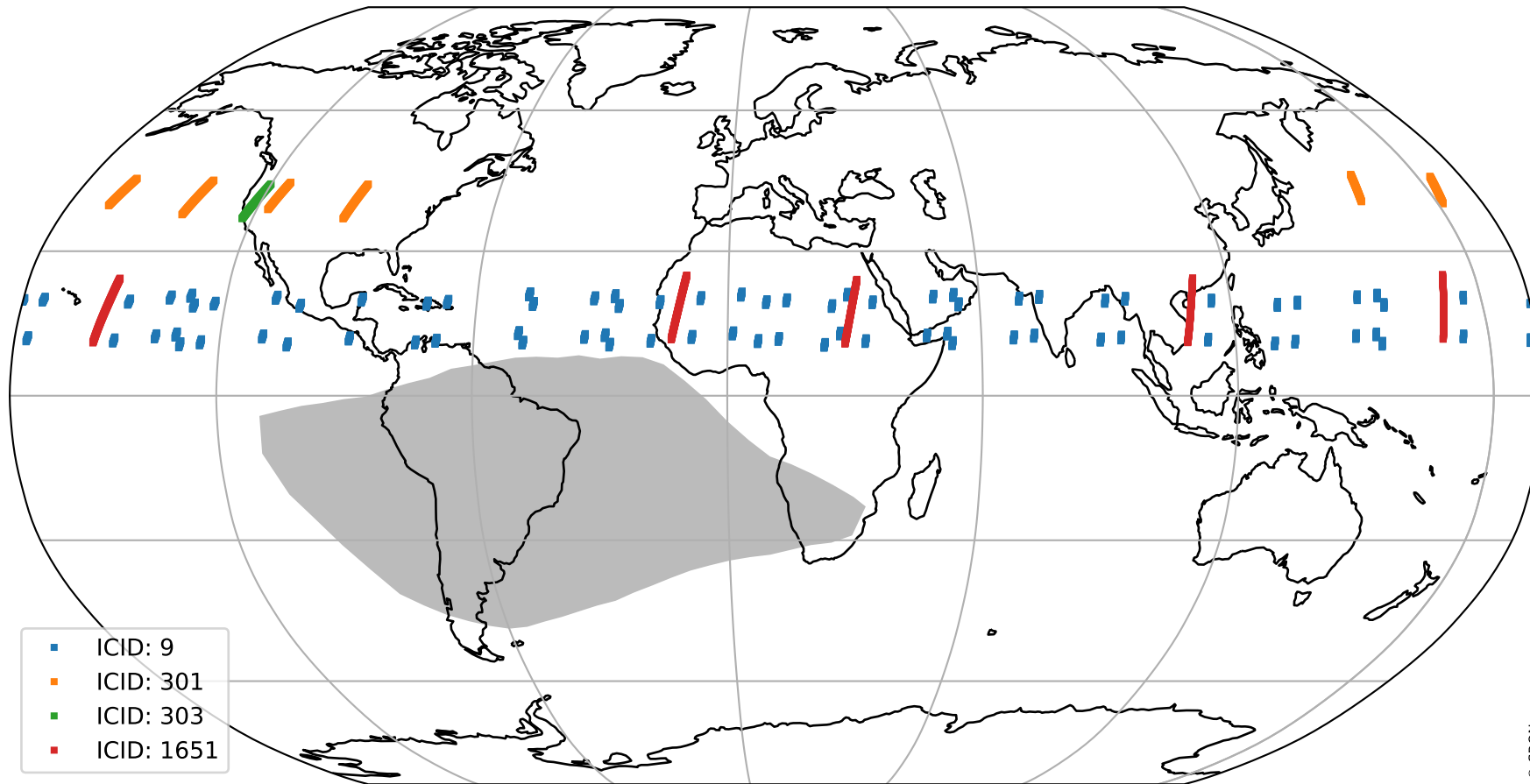
## normalized read noise





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

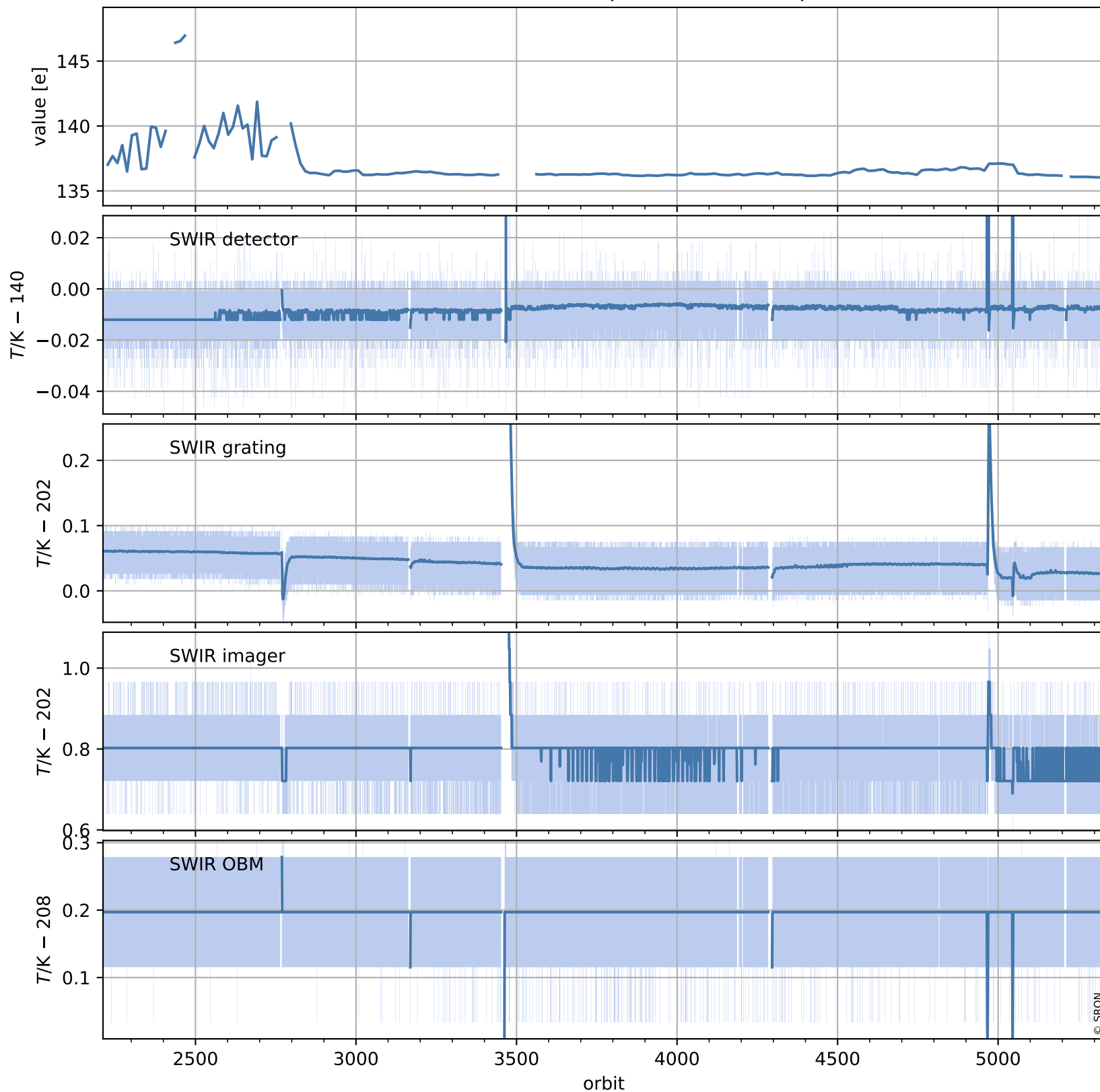
orbits : 12 in [5257, 5332]  
coverage : 2018-10-18 / 2018-10-23  
created : 2023-08-21T14:34:31



# Tropomi SWIR background noise (swir)

orbits : [2212, 5332]  
coverage : 2018-03-18 / 2018-10-23  
created : 2023-08-21T14:34:31

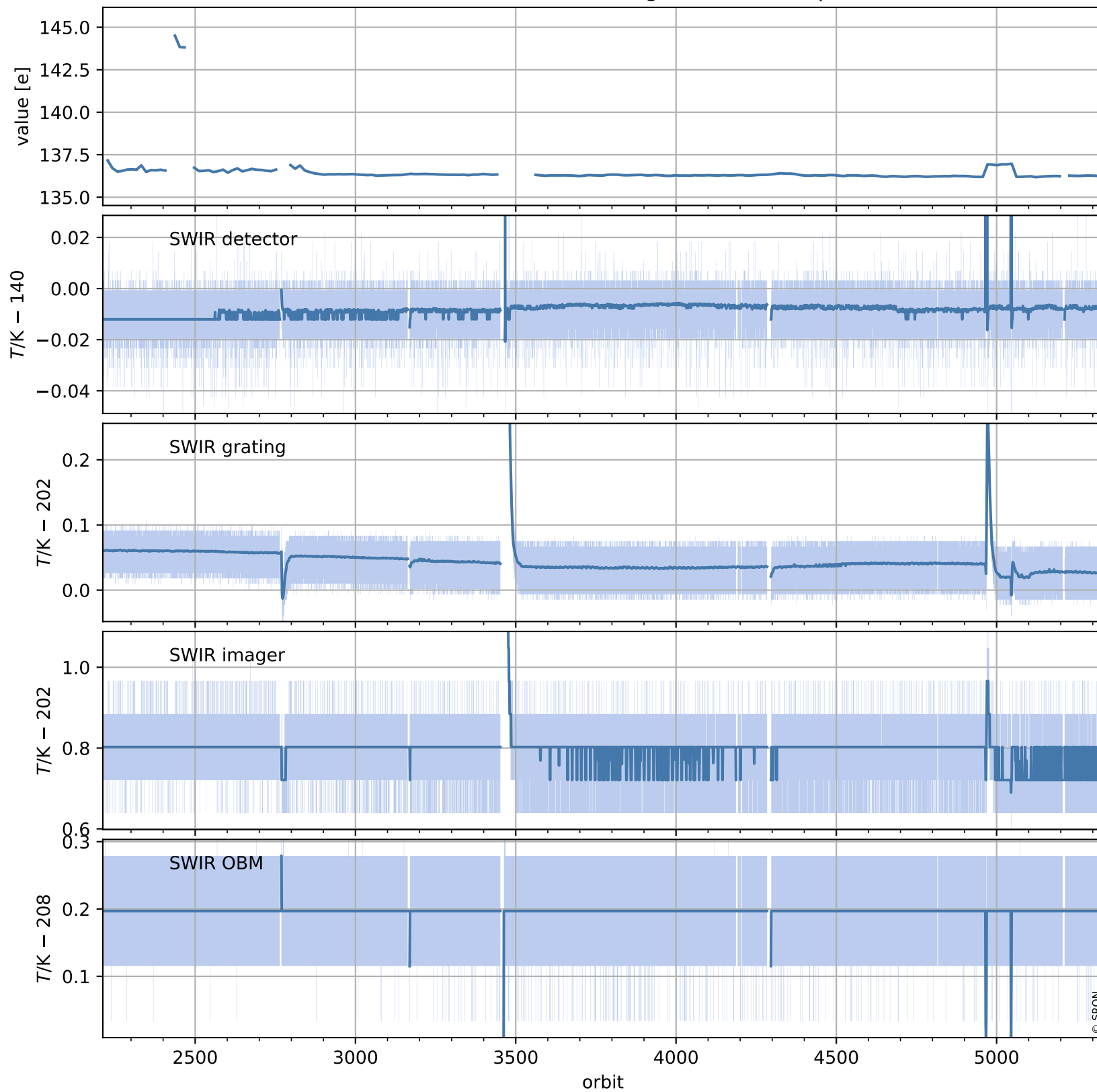
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5332]  
coverage : 2018-03-18 / 2018-10-23  
created : 2023-08-21T14:34:32

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5332]  
coverage : 2018-03-18 / 2018-10-23  
created : 2023-08-21T14:34:33

## trend of normalized read-noise & temperatures

