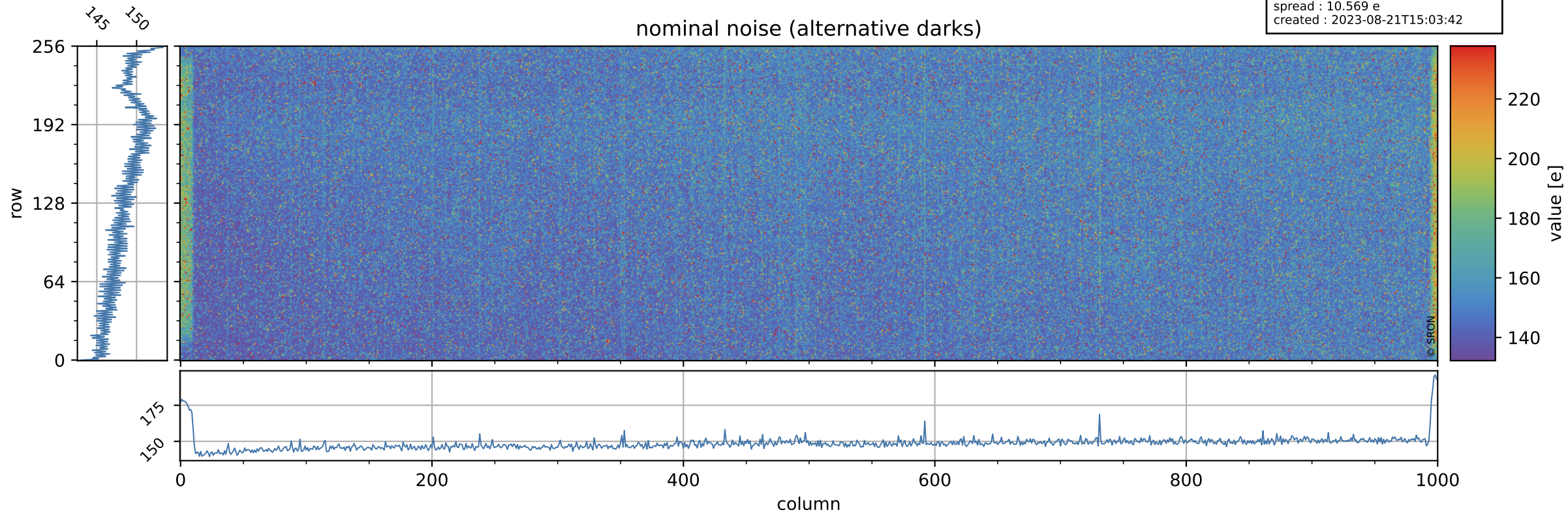


# Tropomi SWIR background noise (swir)

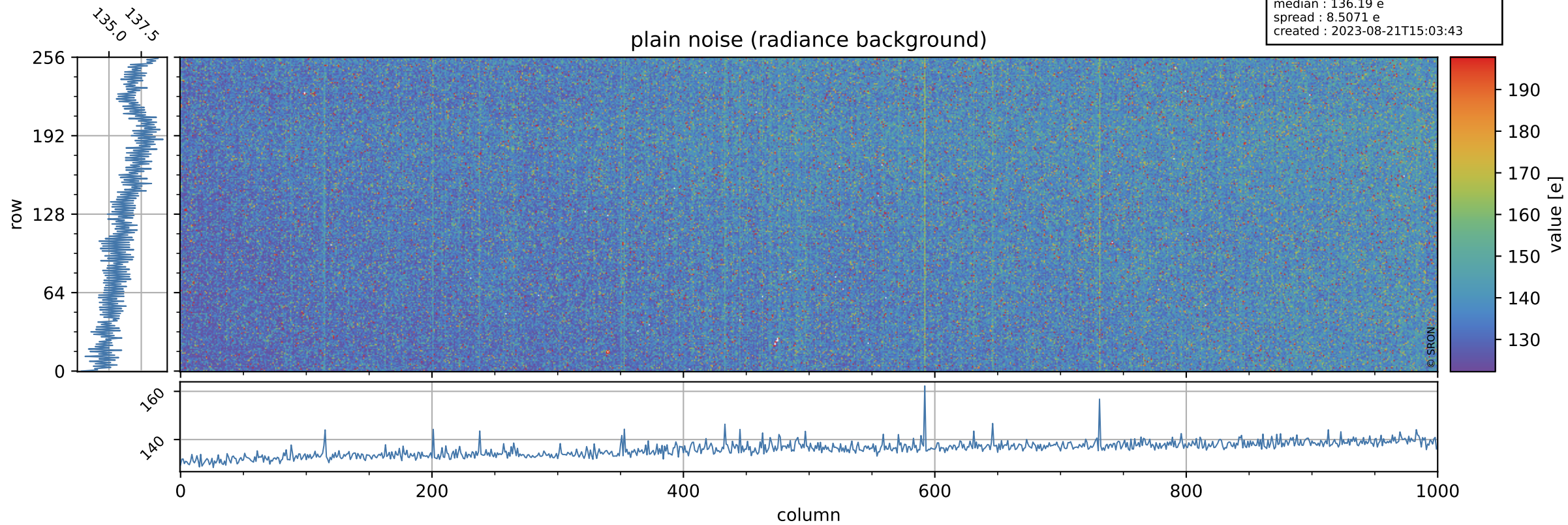
orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.35 e  
spread : 10.569 e  
created : 2023-08-21T15:03:42



# Tropomi SWIR background noise (swir)

orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.5071 e  
created : 2023-08-21T15:03:43

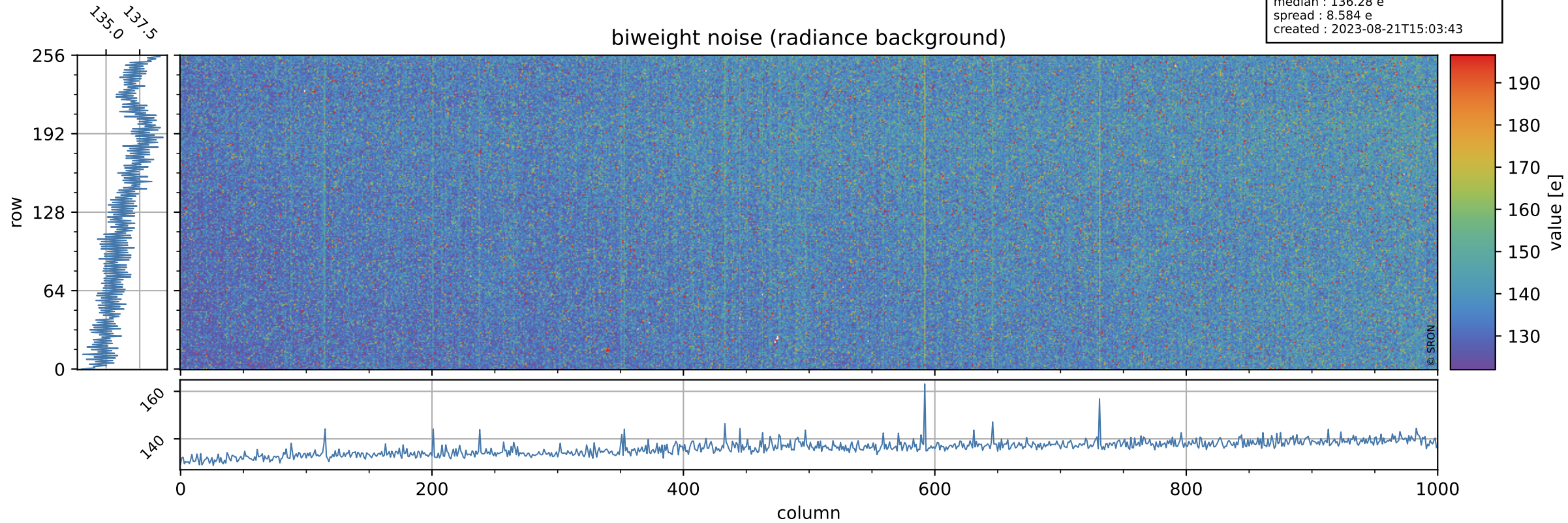
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.28 e  
spread : 8.584 e  
created : 2023-08-21T15:03:43

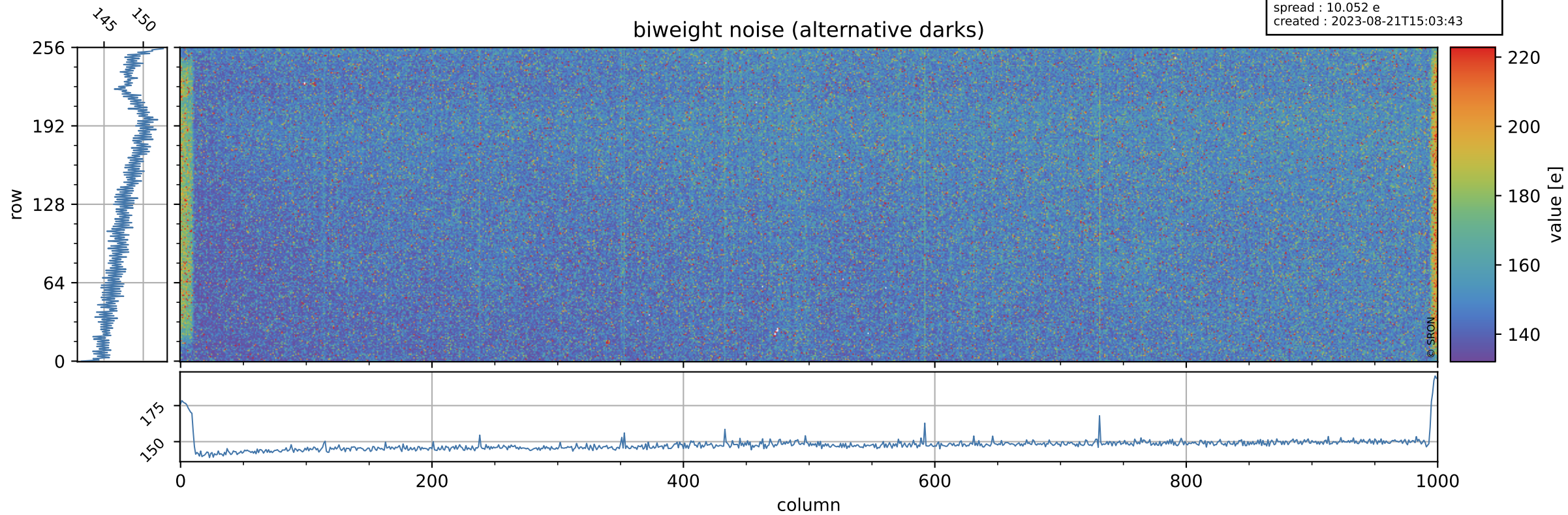
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 10.052 e  
created : 2023-08-21T15:03:43

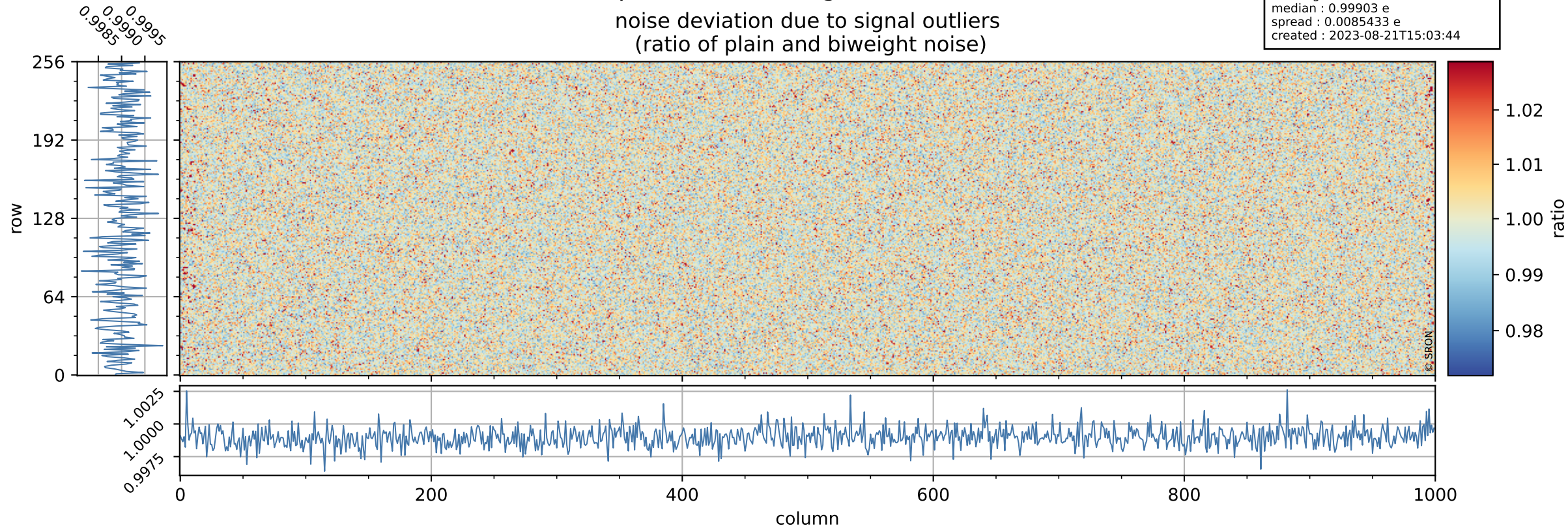
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

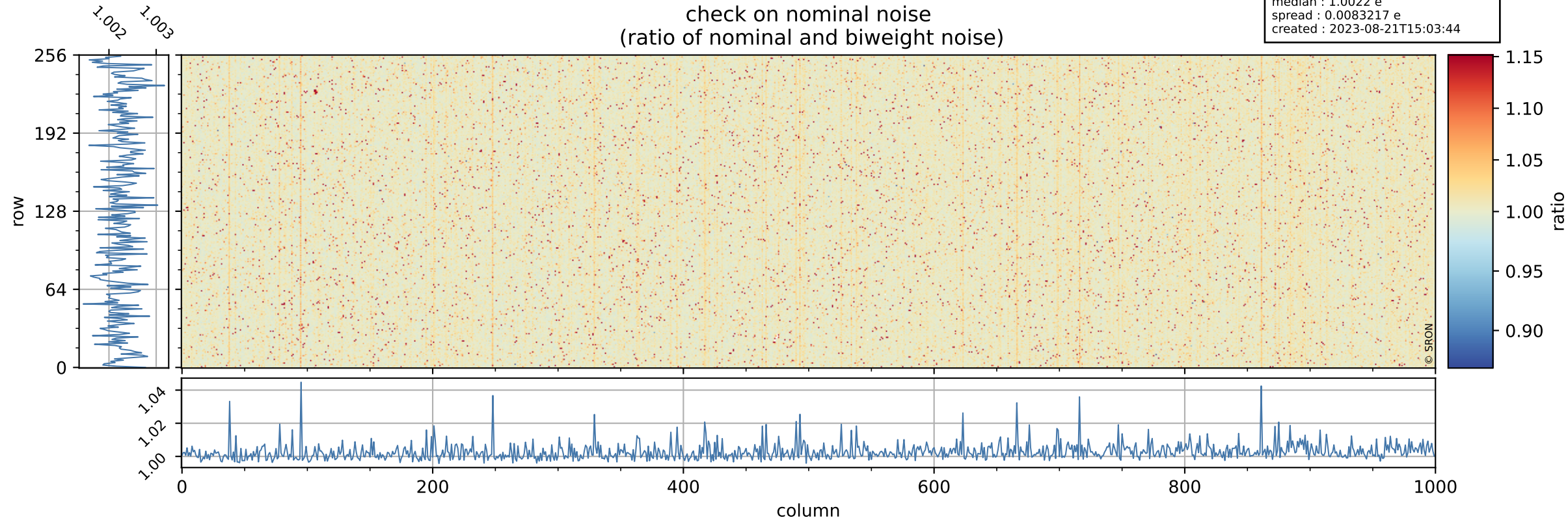
orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
median : 0.99903 e  
spread : 0.0085433 e  
created : 2023-08-21T15:03:44



# Tropomi SWIR background noise (swir)

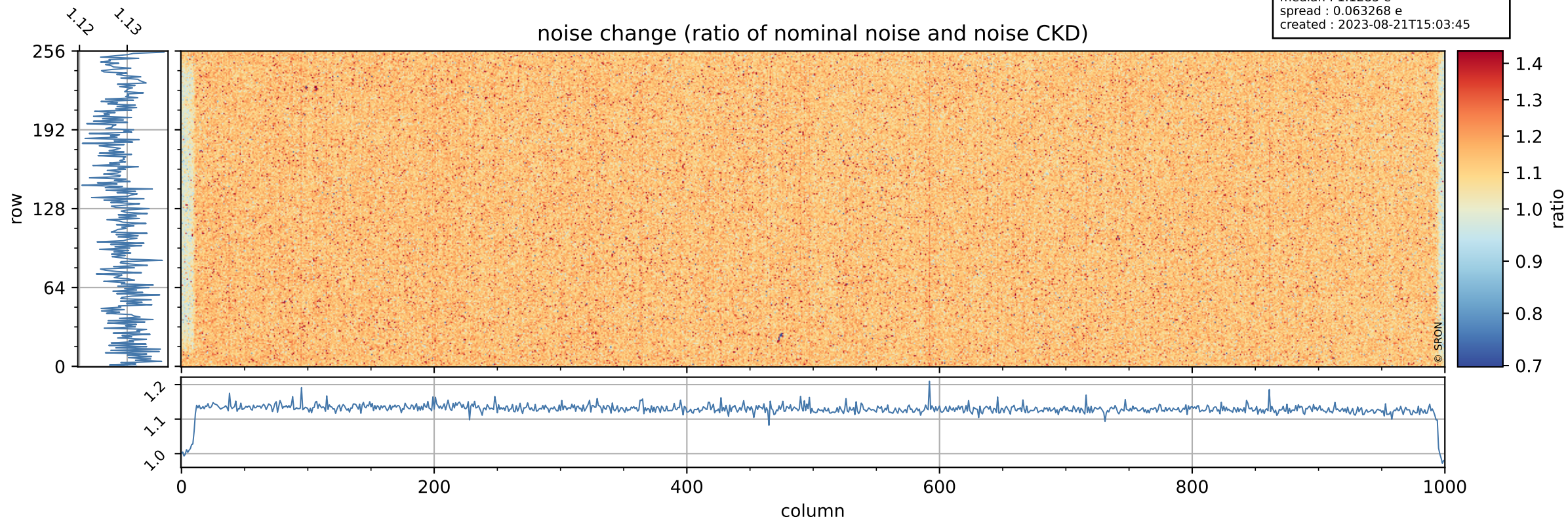
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
median : 1.0022 e  
spread : 0.0083217 e  
created : 2023-08-21T15:03:44



# Tropomi SWIR background noise (swir)

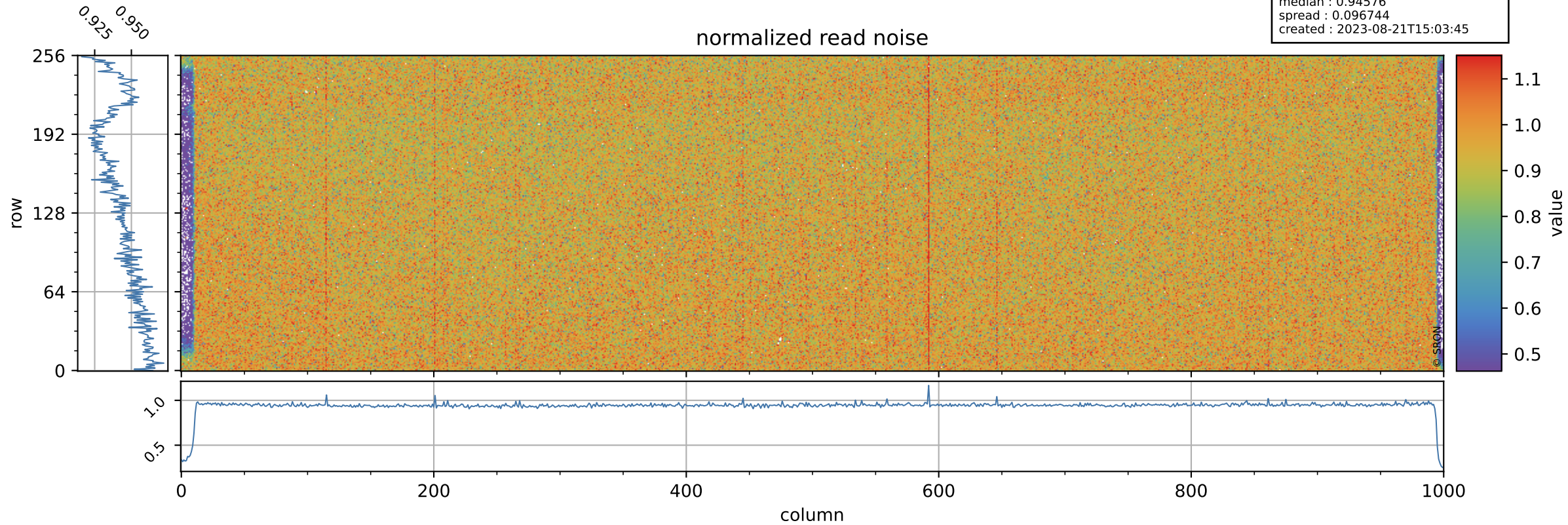
orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
median : 1.1285 e  
spread : 0.063268 e  
created : 2023-08-21T15:03:45



# Tropomi SWIR background noise (swir)

orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
median : 0.94576  
spread : 0.096744  
created : 2023-08-21T15:03:45

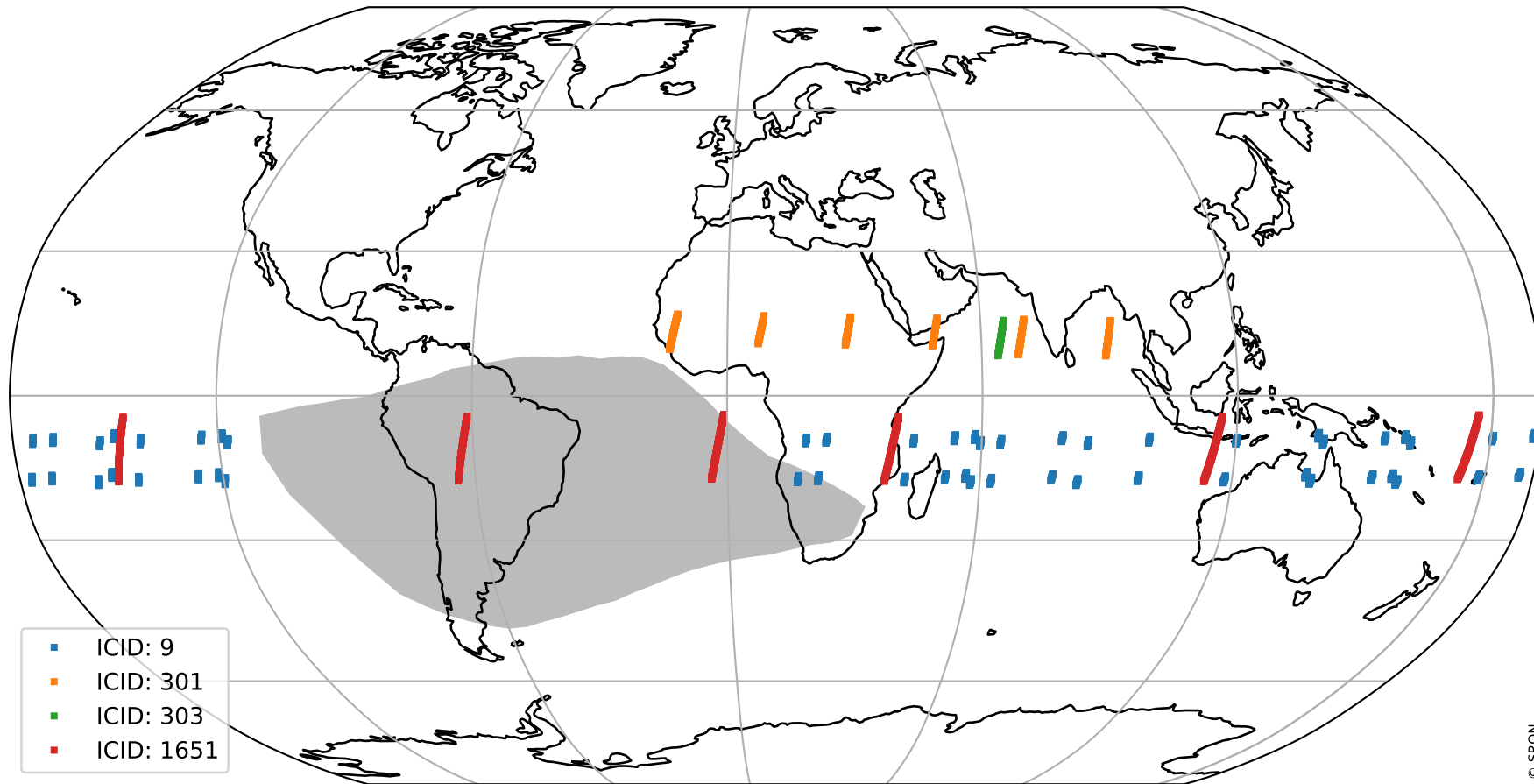
## normalized read noise





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

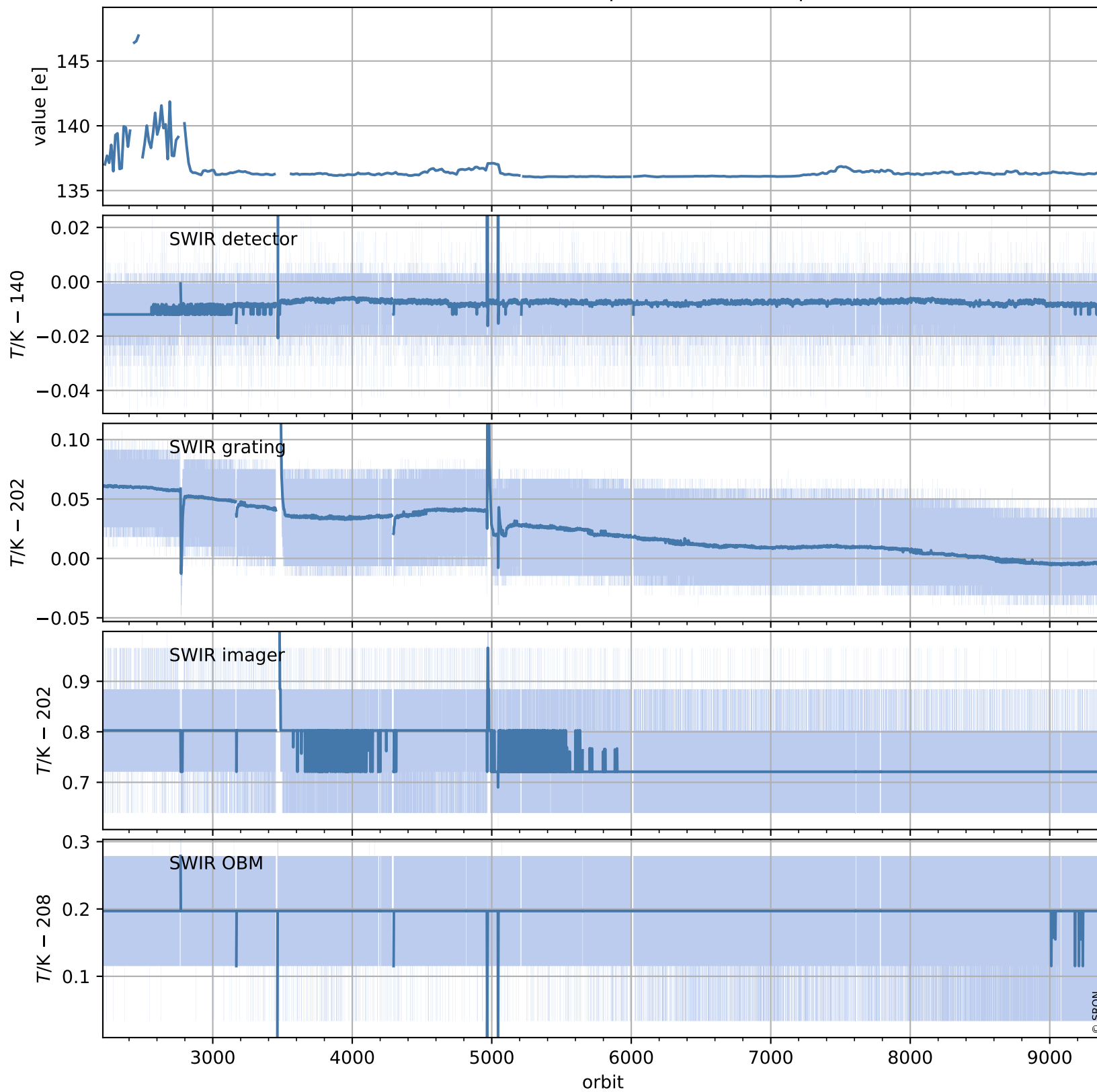
orbits : 13 in [9307, 9382]  
coverage : 2019-07-30 / 2019-08-05  
created : 2023-08-21T15:03:46



# Tropomi SWIR background noise (swir)

orbits : [2212, 9382]  
coverage : 2018-03-18 / 2019-08-05  
created : 2023-08-21T15:03:46

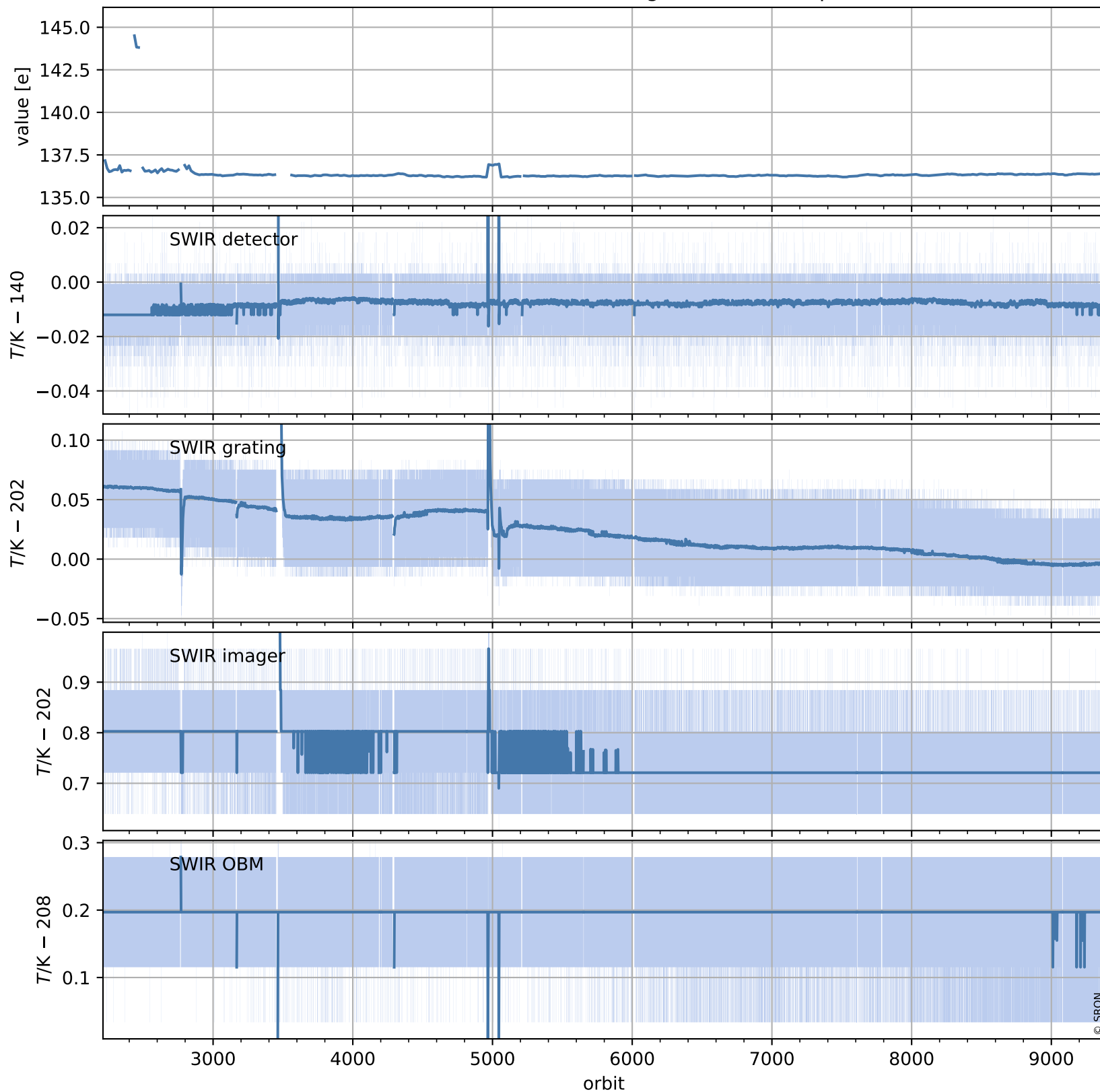
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9382]  
coverage : 2018-03-18 / 2019-08-05  
created : 2023-08-21T15:03:47

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9382]  
coverage : 2018-03-18 / 2019-08-05  
created : 2023-08-21T15:03:48

## trend of normalized read-noise & temperatures

