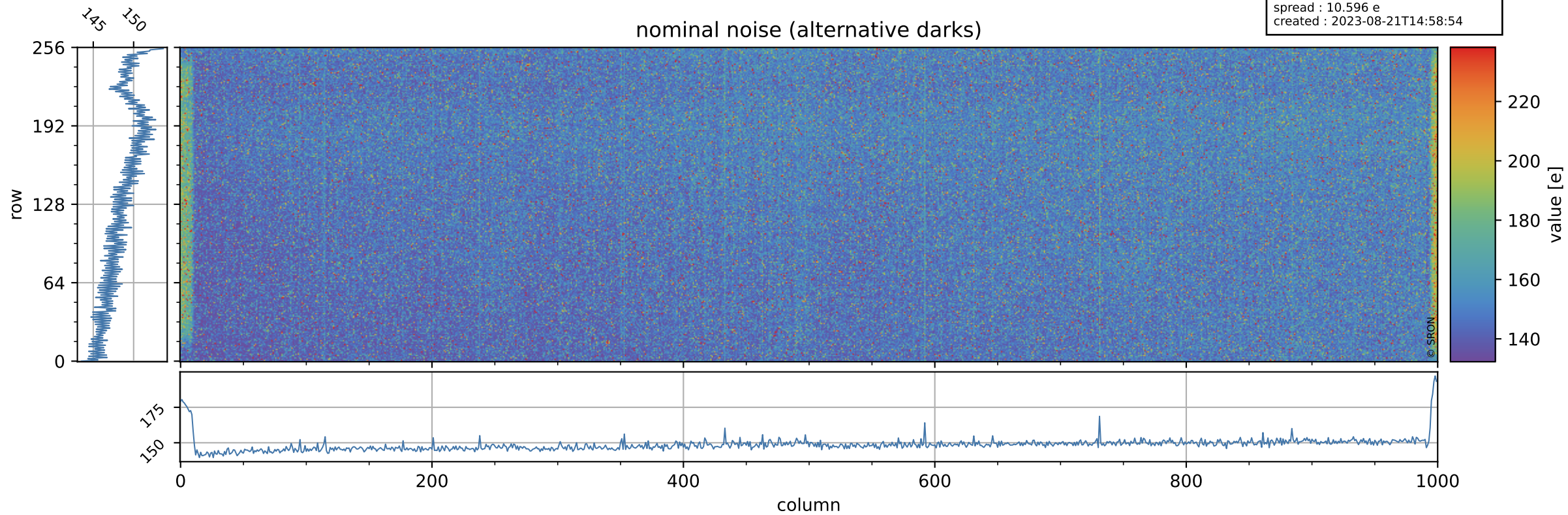


# Tropomi SWIR background noise (swir)

orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.596 e  
created : 2023-08-21T14:58:54

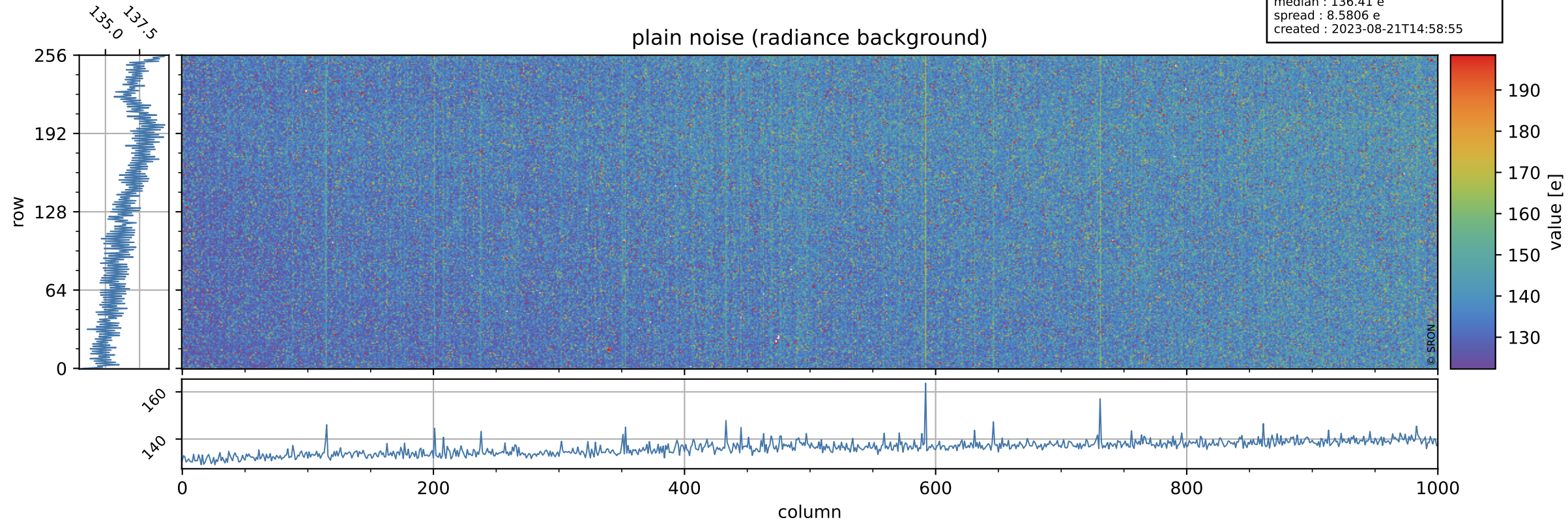
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.41 e  
spread : 8.5806 e  
created : 2023-08-21T14:58:55

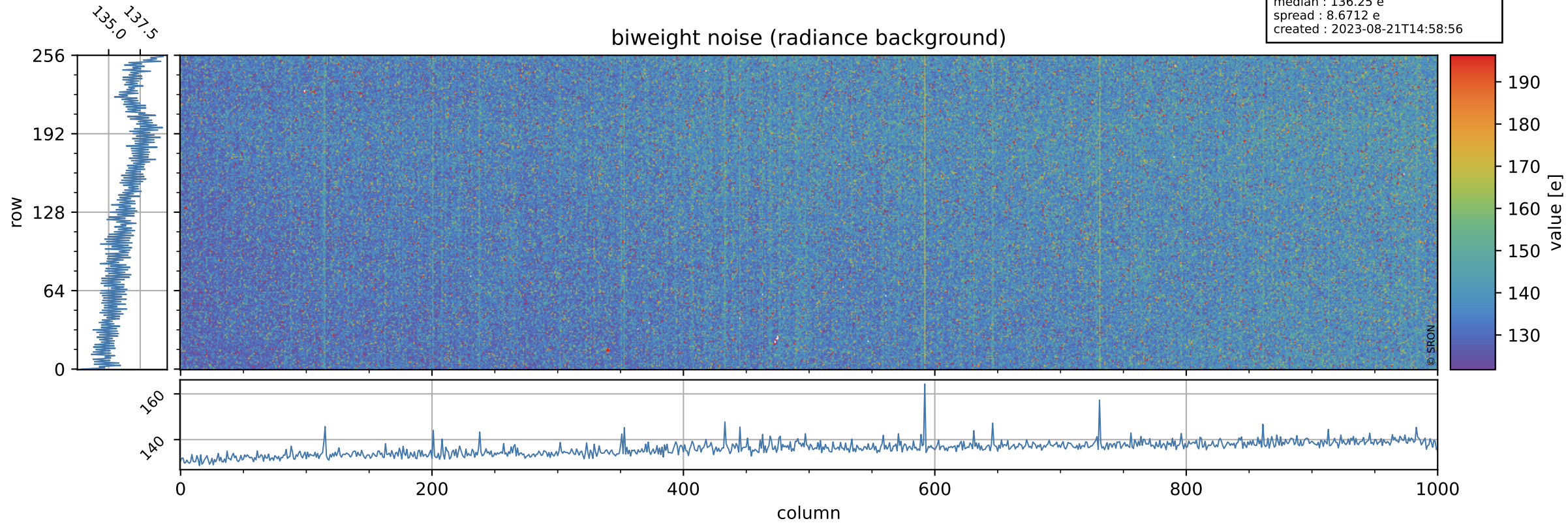
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.6712 e  
created : 2023-08-21T14:58:56

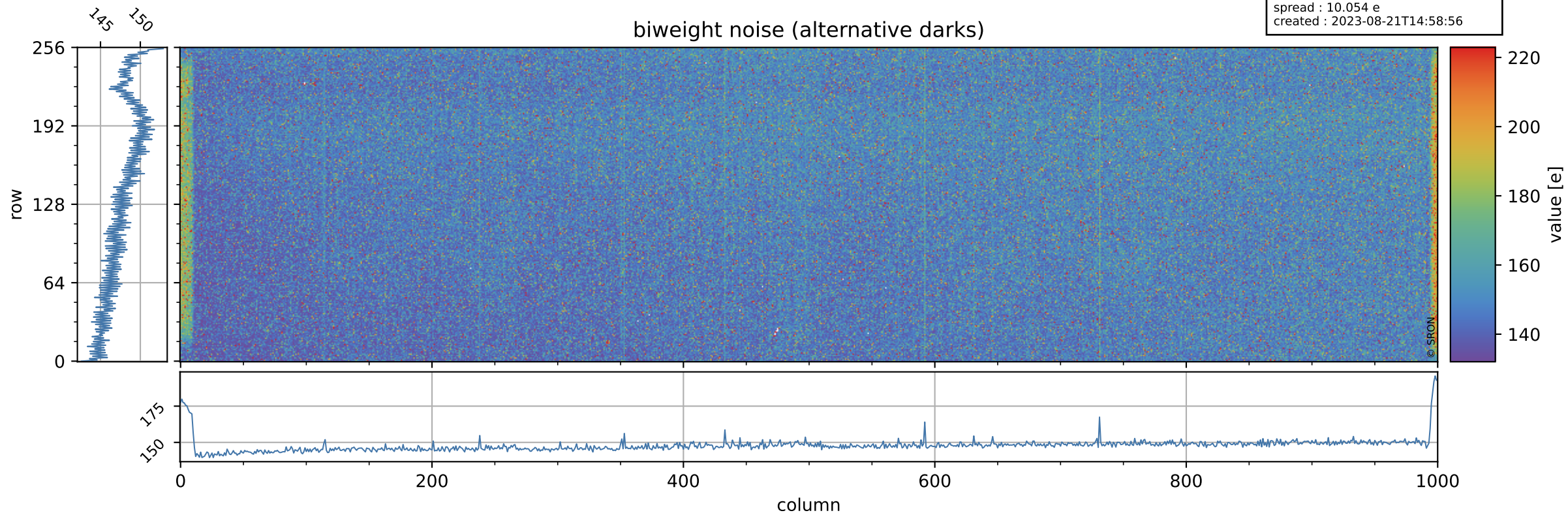
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 10.054 e  
created : 2023-08-21T14:58:56

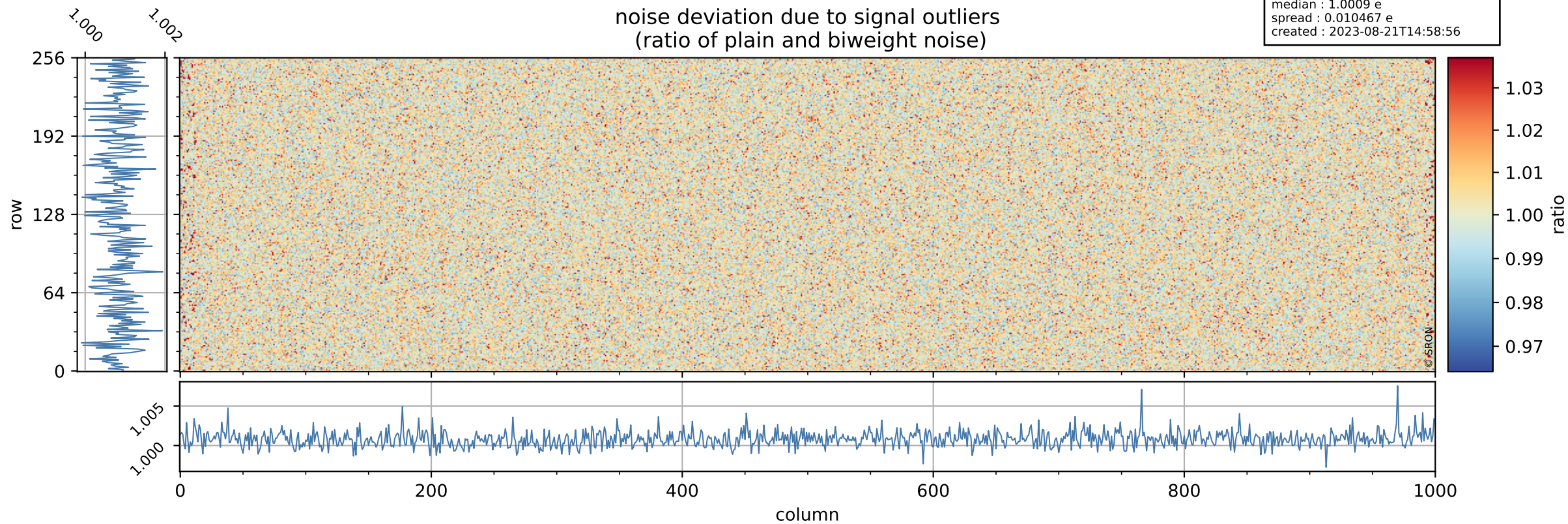
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

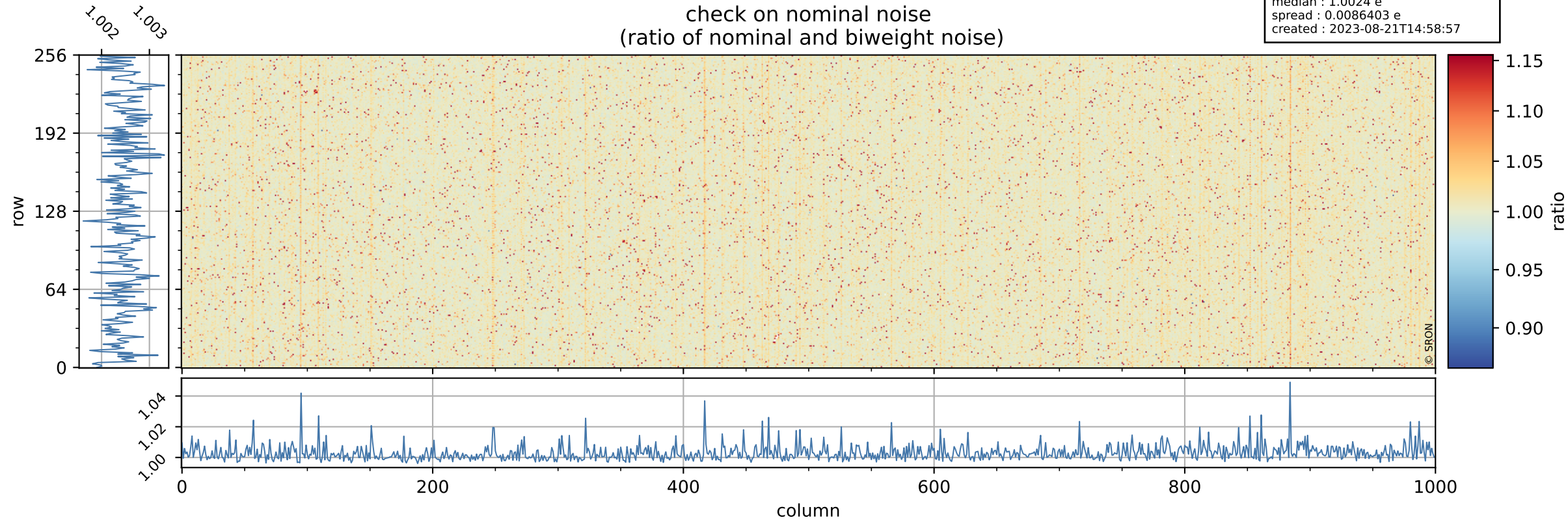
orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
median : 1.0009 e  
spread : 0.010467 e  
created : 2023-08-21T14:58:56



# Tropomi SWIR background noise (swir)

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

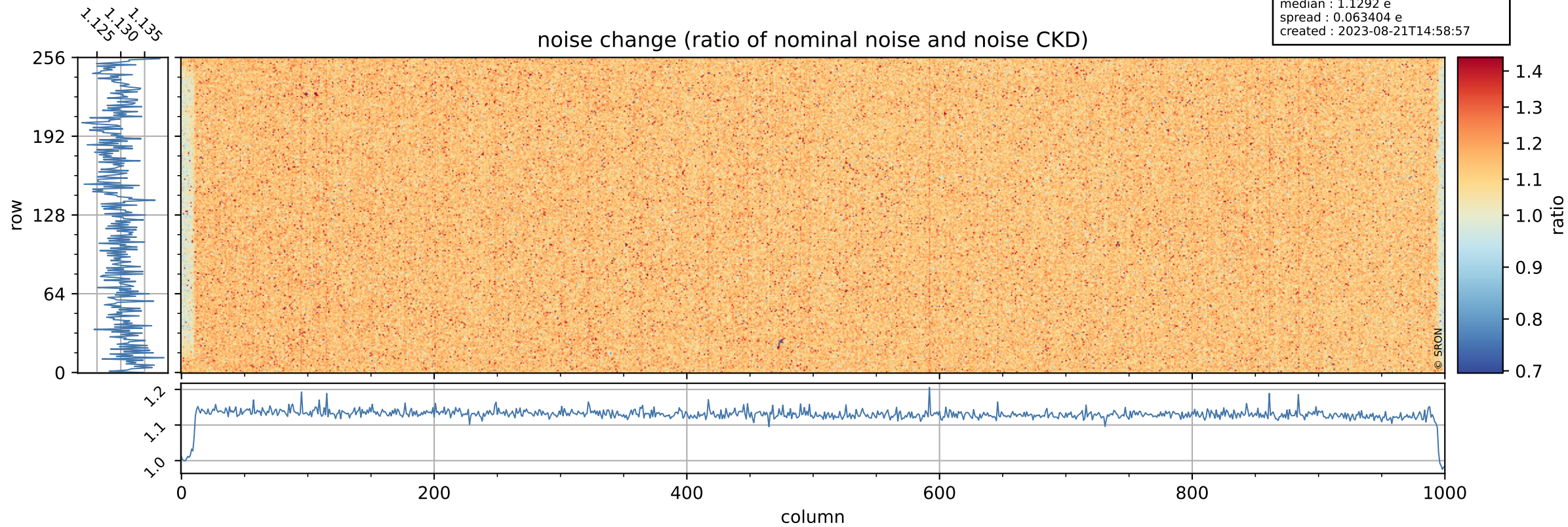
orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
median : 1.0024 e  
spread : 0.0086403 e  
created : 2023-08-21T14:58:57



# Tropomi SWIR background noise (swir)

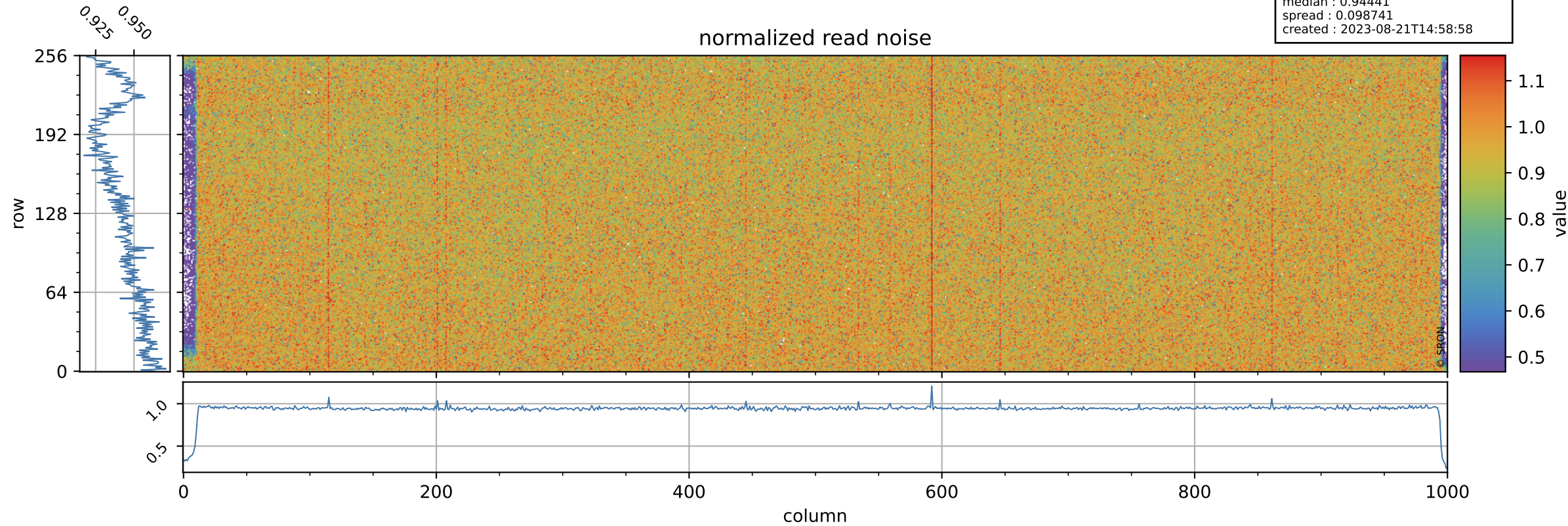
orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
median : 1.1292 e  
spread : 0.063404 e  
created : 2023-08-21T14:58:57

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

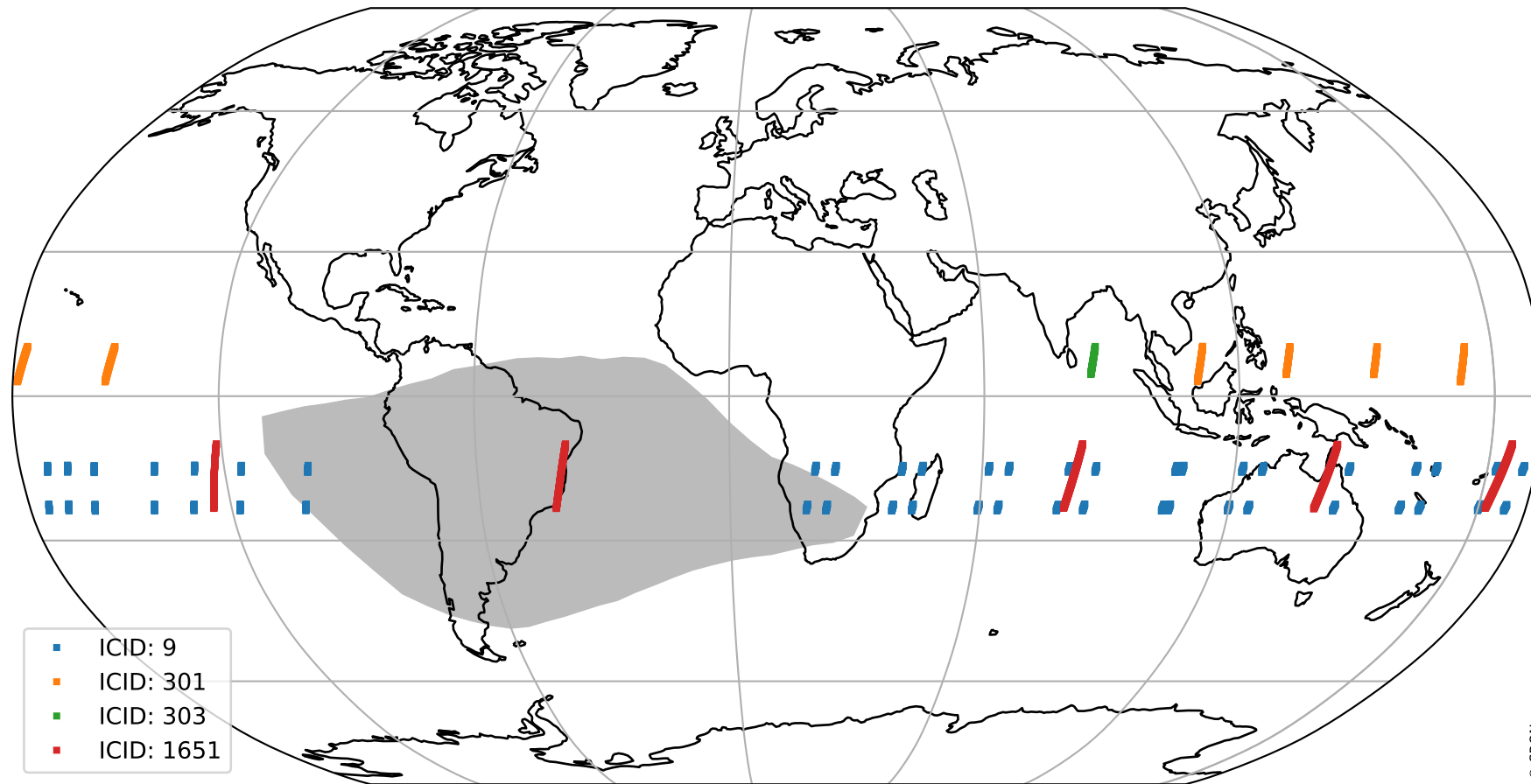
orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
median : 0.94441  
spread : 0.098741  
created : 2023-08-21T14:58:58





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

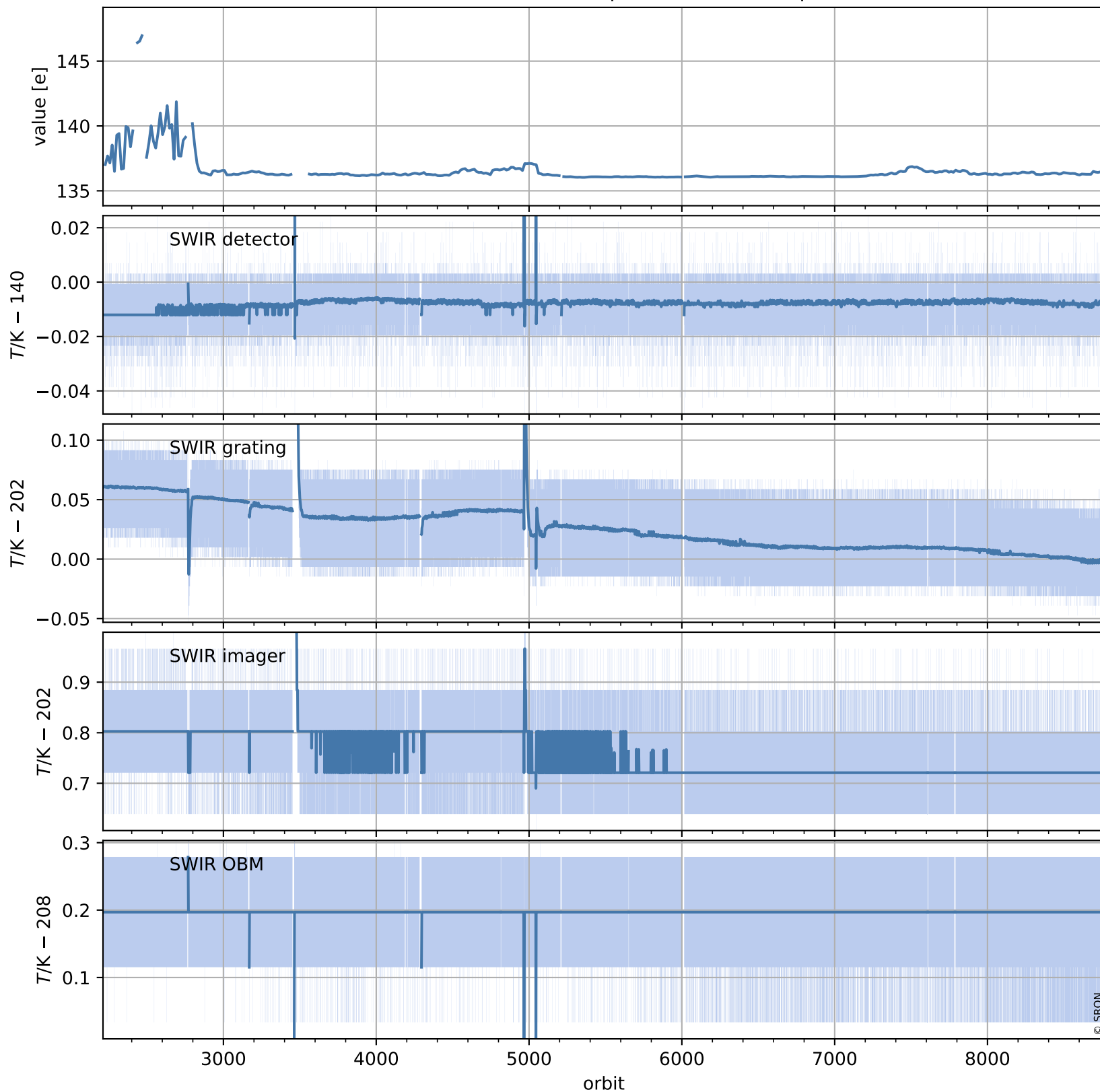
orbits : 12 in [8677, 8767]  
coverage : 2019-06-17 / 2019-06-23  
created : 2023-08-21T14:58:58



# Tropomi SWIR background noise (swir)

orbits : [2212, 8767]  
coverage : 2018-03-18 / 2019-06-23  
created : 2023-08-21T14:58:58

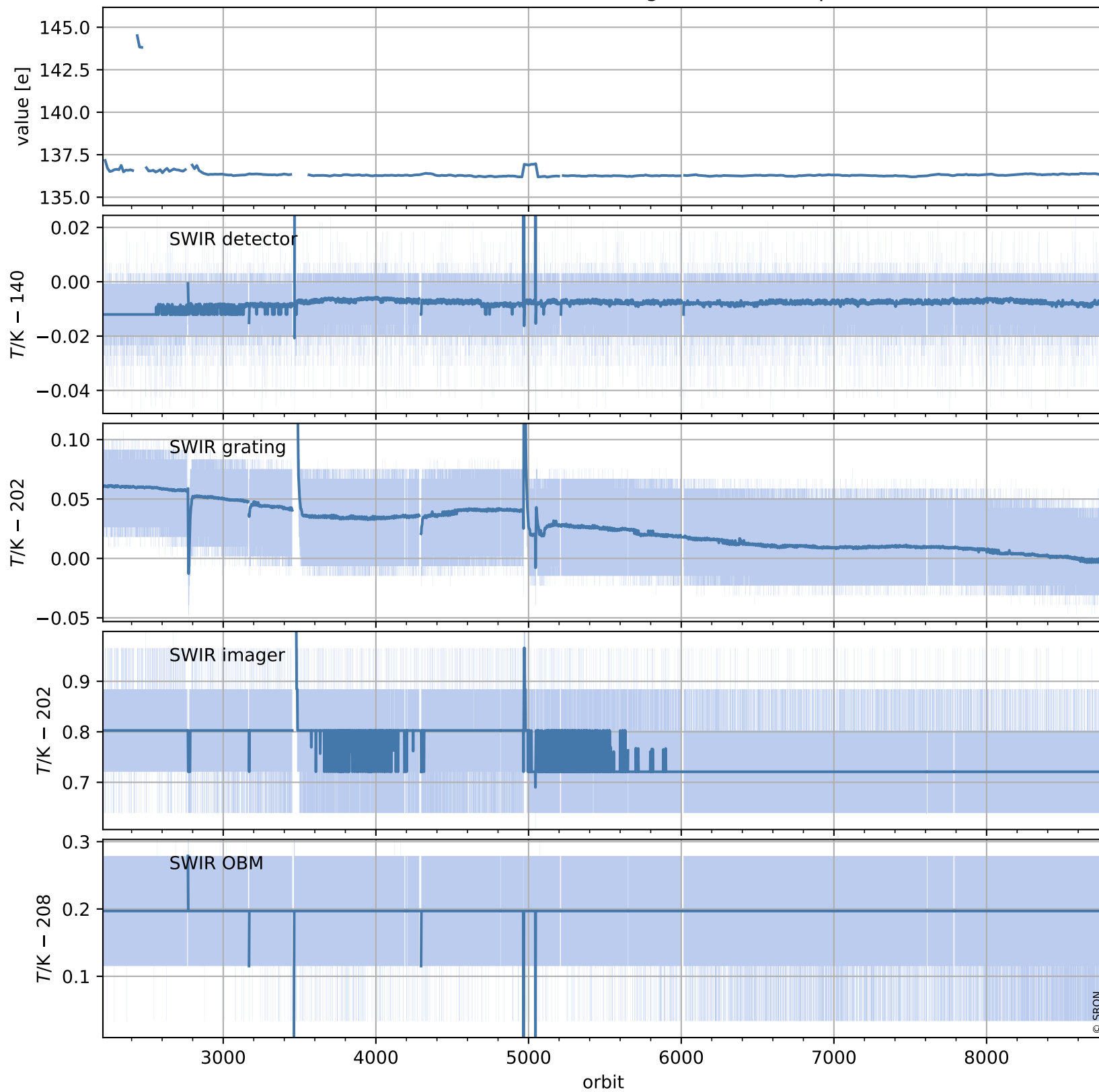
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8767]  
coverage : 2018-03-18 / 2019-06-23  
created : 2023-08-21T14:58:59

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8767]  
coverage : 2018-03-18 / 2019-06-23  
created : 2023-08-21T14:59:00

## trend of normalized read-noise & temperatures

