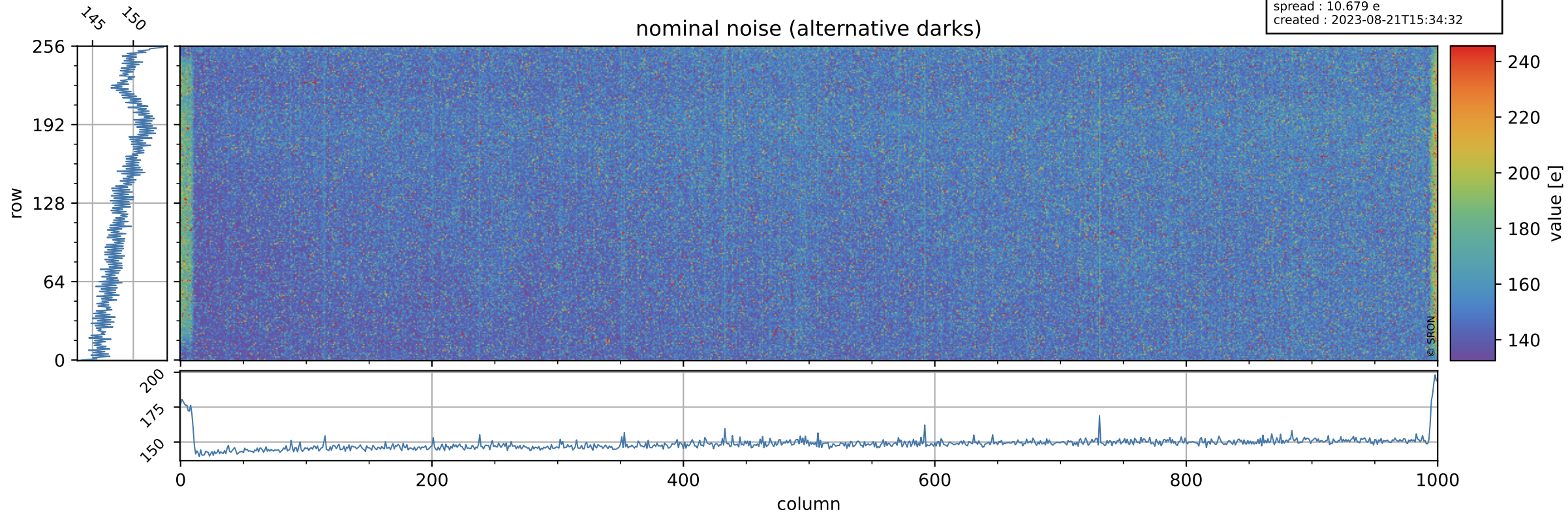


# Tropomi SWIR background noise (swir)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.59 e  
spread : 10.679 e  
created : 2023-08-21T15:34:32

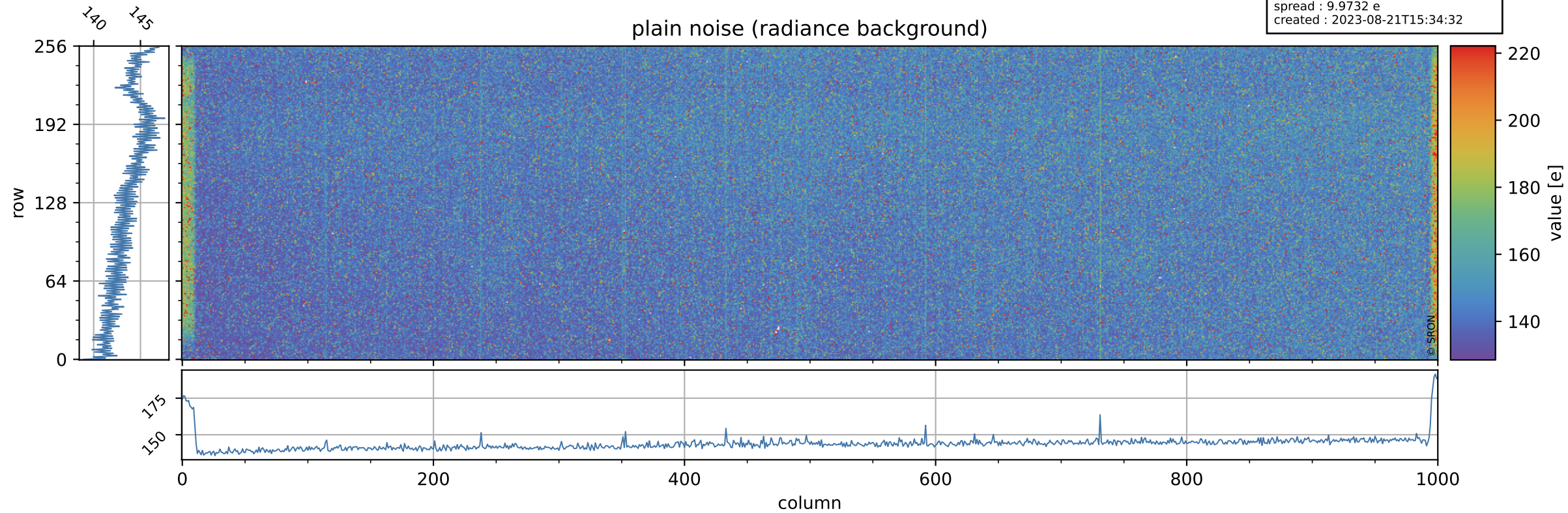
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.9732 e  
created : 2023-08-21T15:34:32

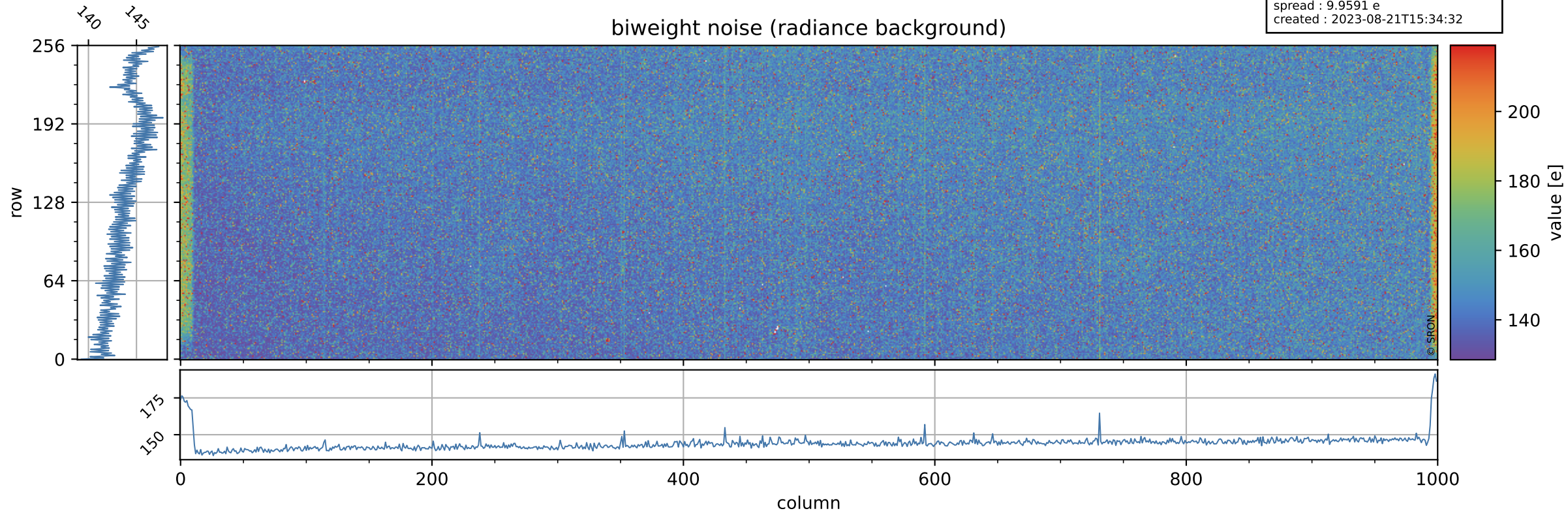
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.9591 e  
created : 2023-08-21T15:34:32

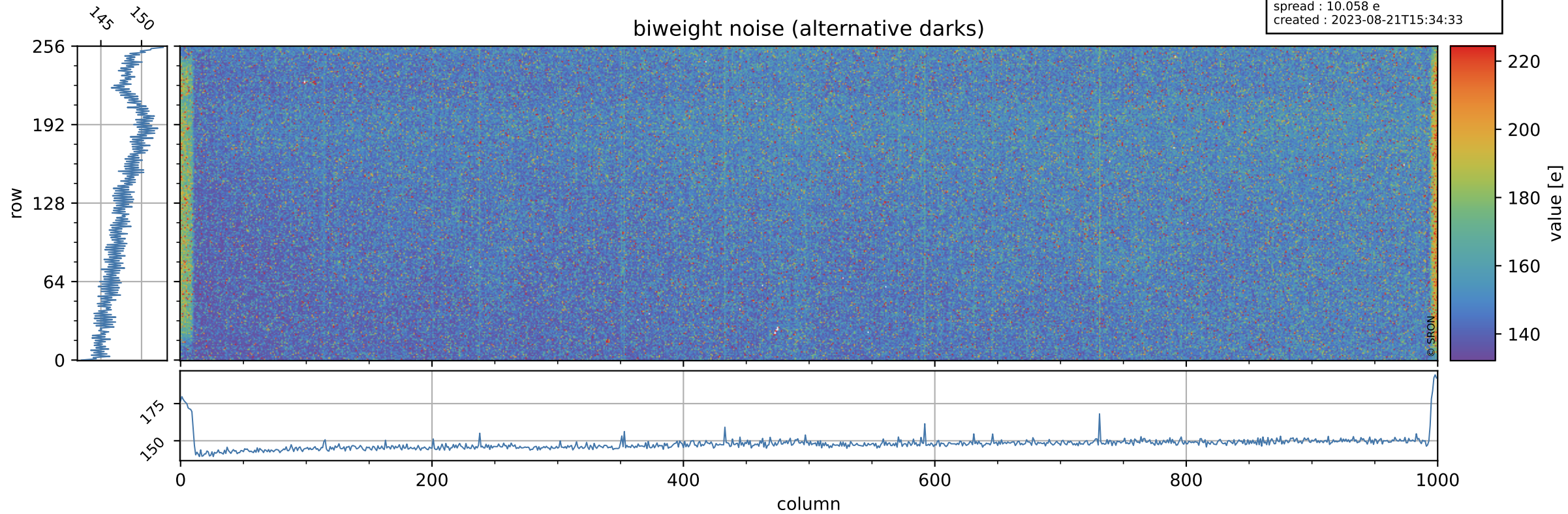
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.058 e  
created : 2023-08-21T15:34:33

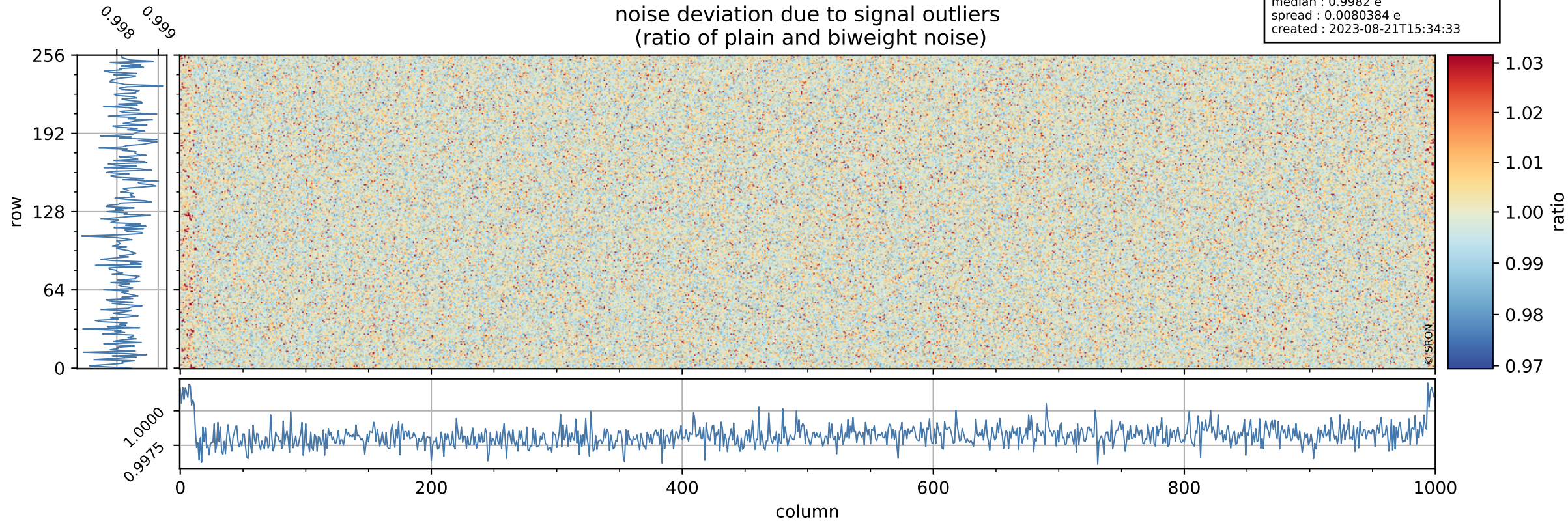
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

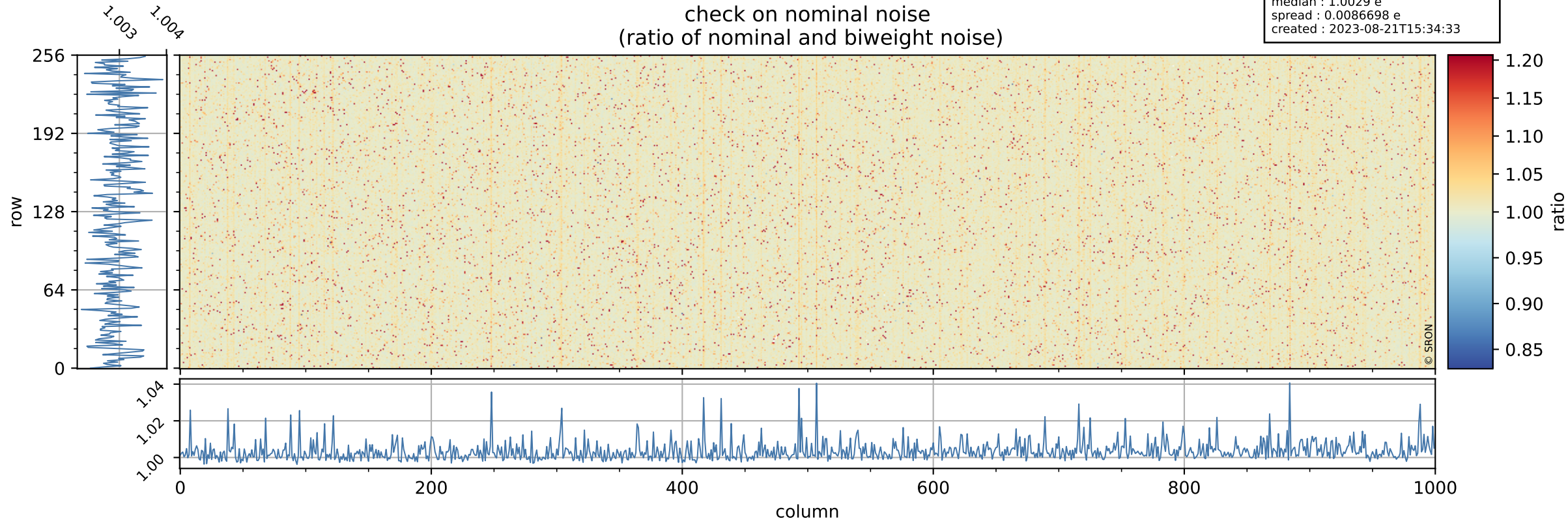
orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
median : 0.9982 e  
spread : 0.0080384 e  
created : 2023-08-21T15:34:33



# Tropomi SWIR background noise (swir)

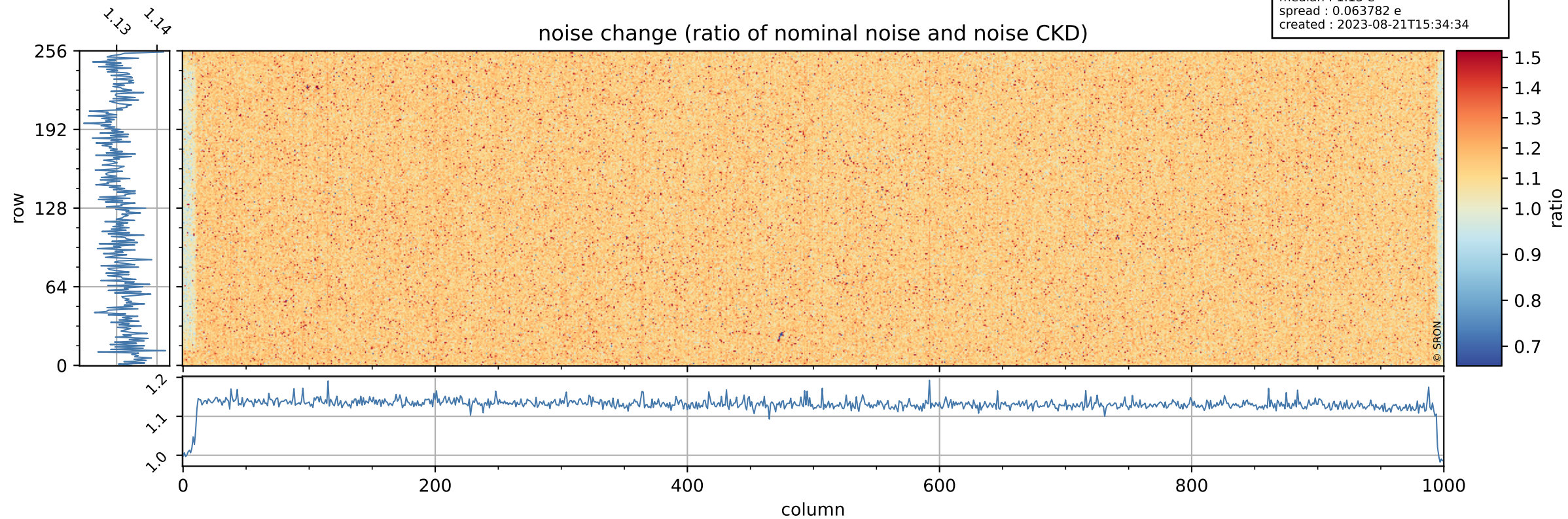
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
median : 1.0029 e  
spread : 0.0086698 e  
created : 2023-08-21T15:34:33



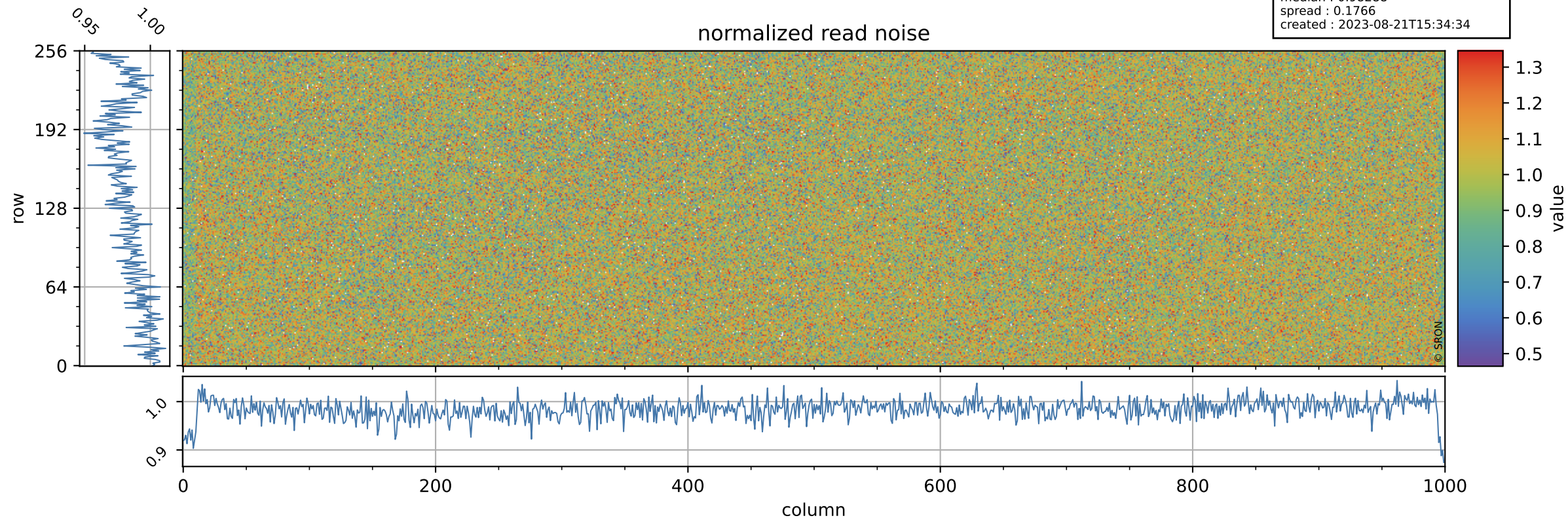
# Tropomi SWIR background noise (swir)

orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
median : 1.13 e  
spread : 0.063782 e  
created : 2023-08-21T15:34:34



# Tropomi SWIR background noise (swir)

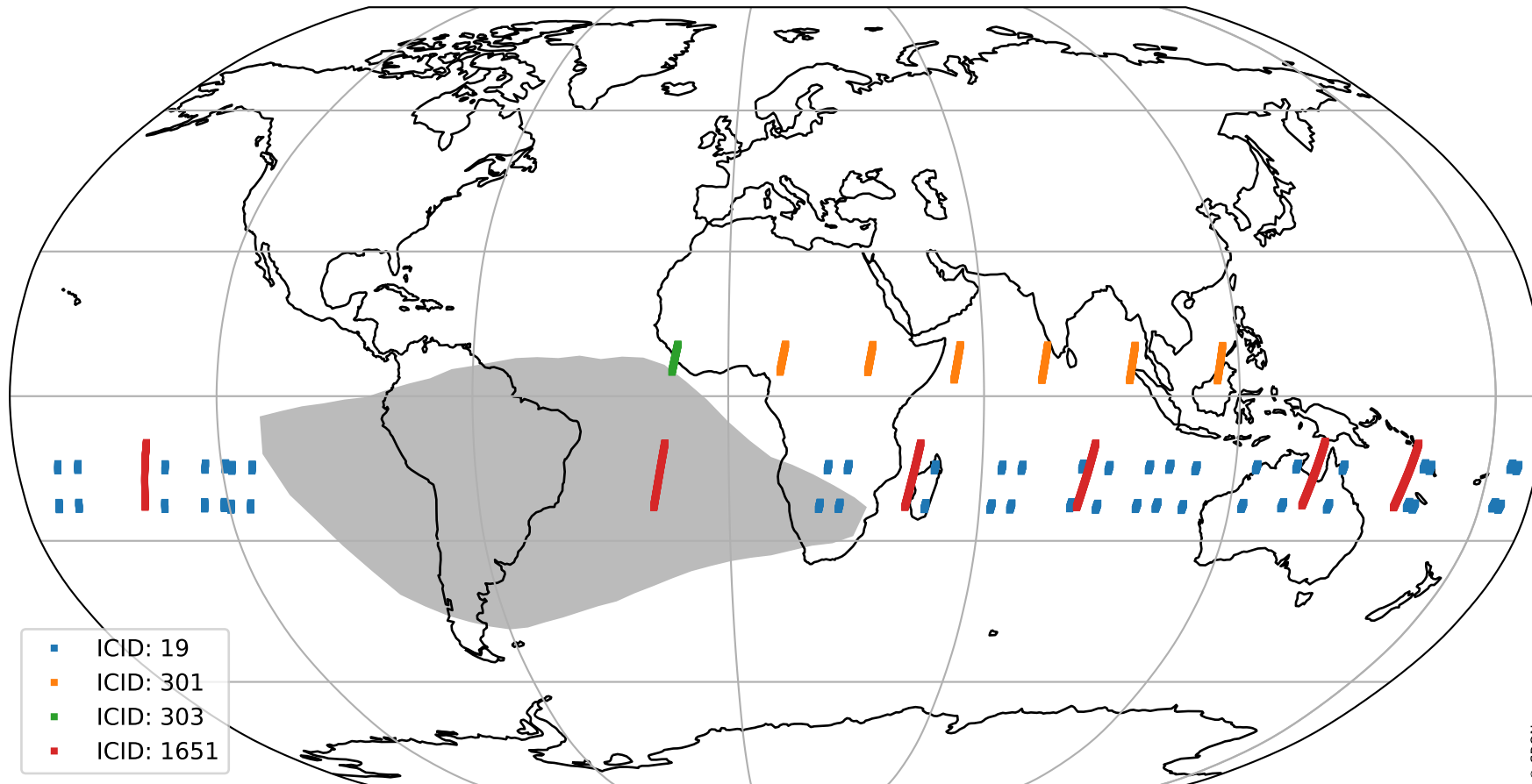
orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
median : 0.98288  
spread : 0.1766  
created : 2023-08-21T15:34:34





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

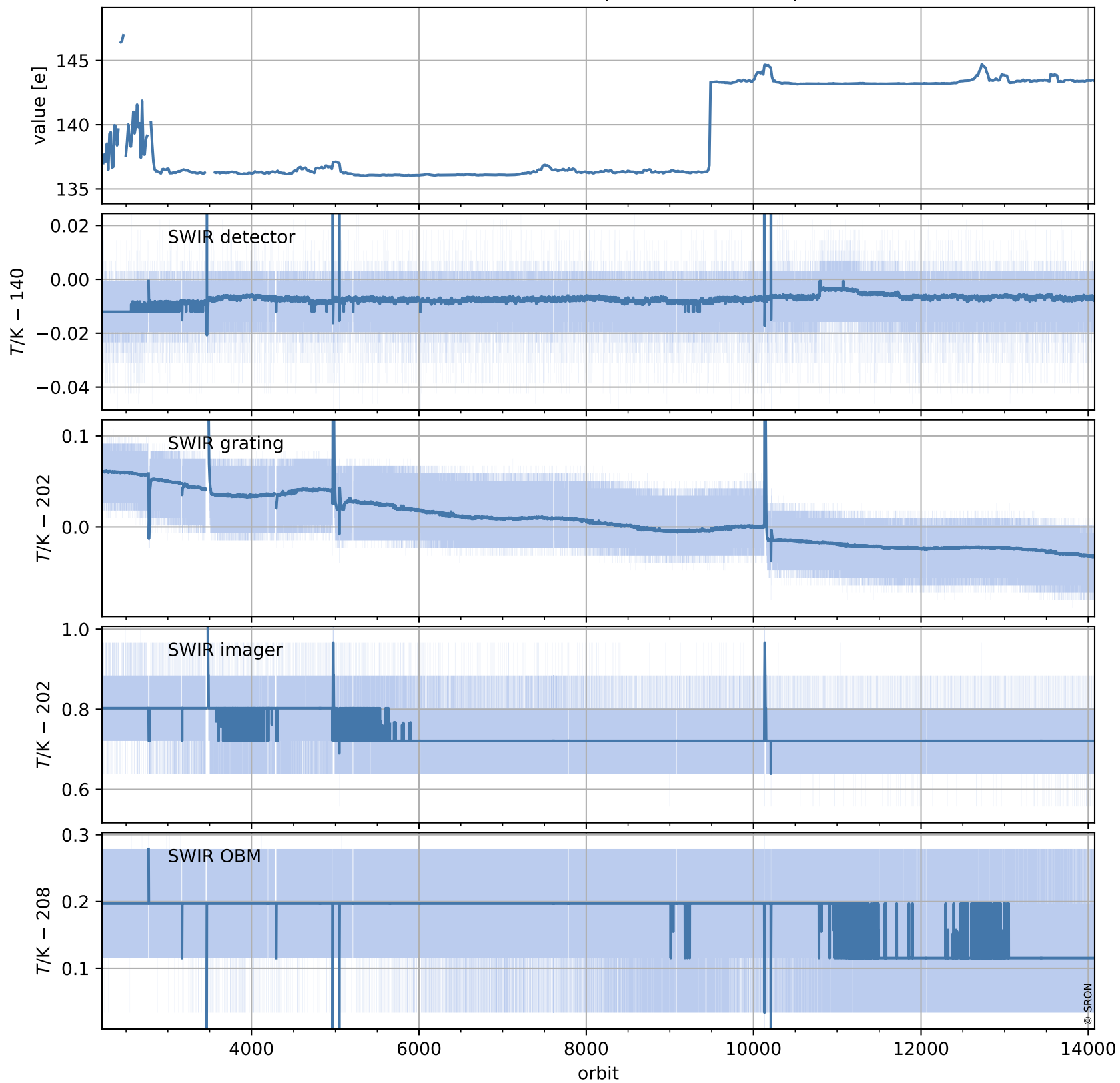
orbits : 13 in [13987, 14077]  
coverage : 2020-06-25 / 2020-07-01  
created : 2023-08-21T15:34:34



# Tropomi SWIR background noise (swir)

orbits : [2212, 14077]  
coverage : 2018-03-18 / 2020-07-01  
created : 2023-08-21T15:34:35

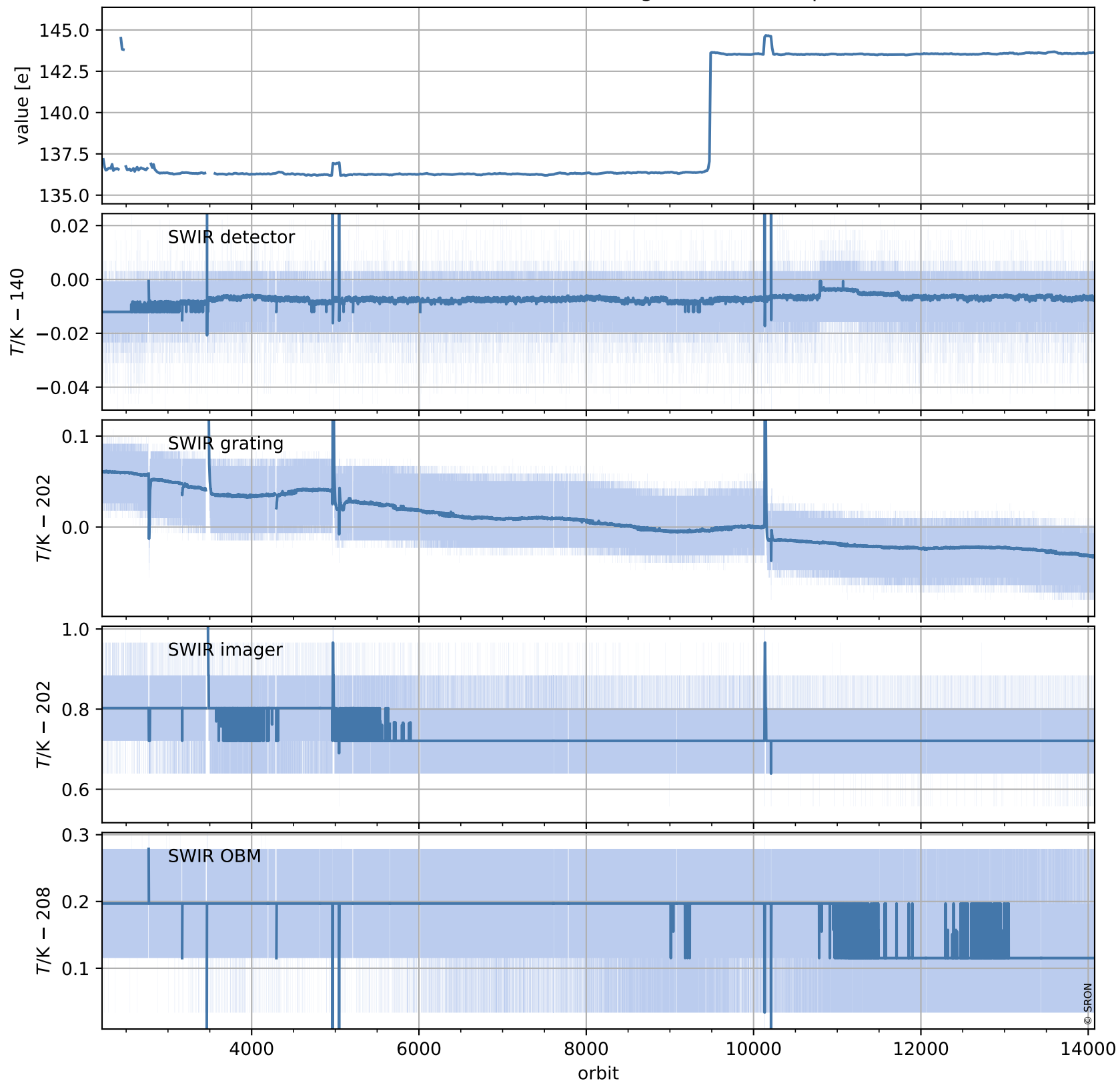
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14077]  
coverage : 2018-03-18 / 2020-07-01  
created : 2023-08-21T15:34:35

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14077]  
coverage : 2018-03-18 / 2020-07-01  
created : 2023-08-21T15:34:36

## trend of normalized read-noise & temperatures

