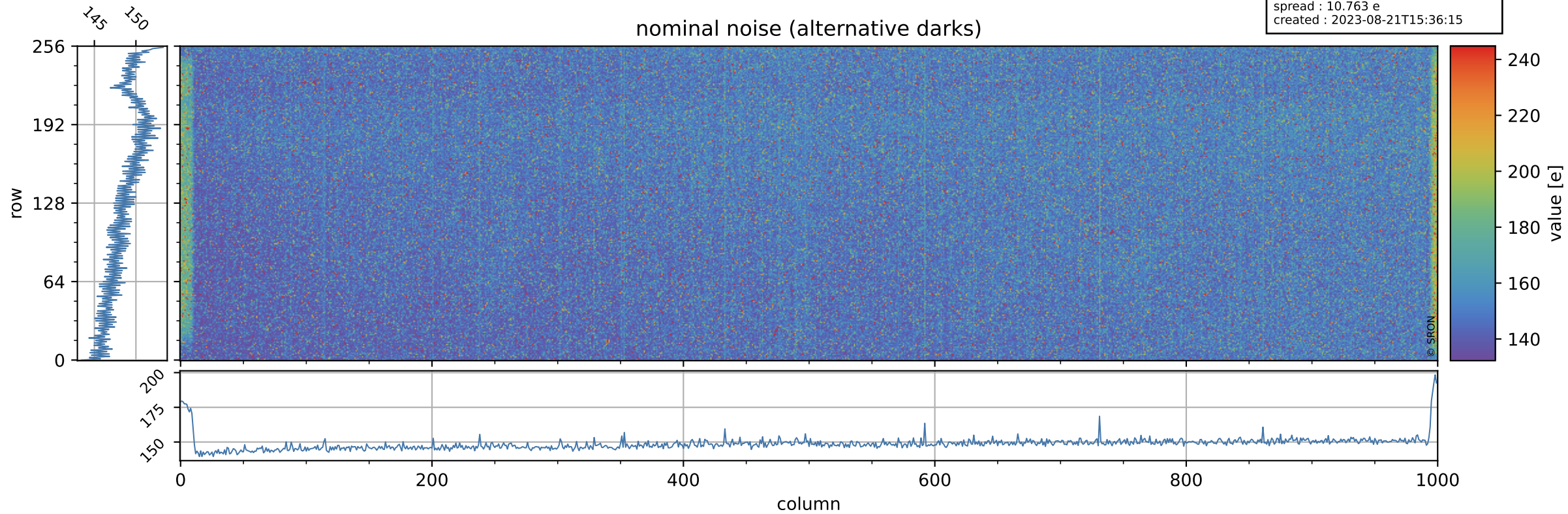


# Tropomi SWIR background noise (swir)

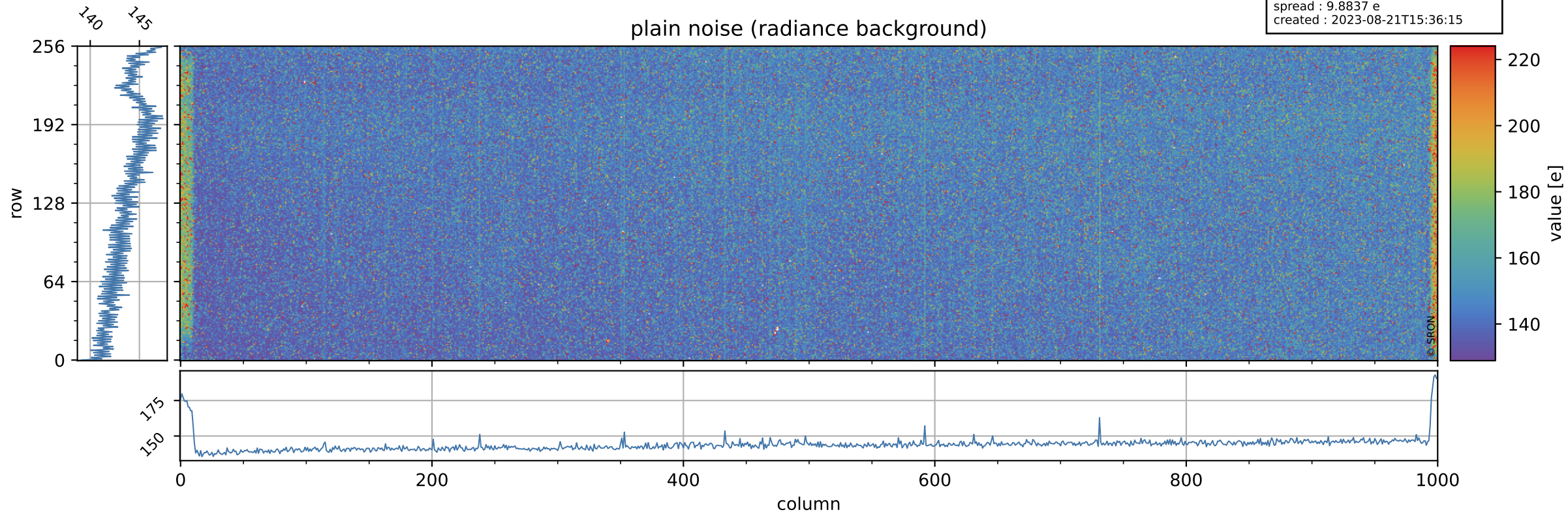
orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.763 e  
created : 2023-08-21T15:36:15



# Tropomi SWIR background noise (swir)

orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.62 e  
spread : 9.8837 e  
created : 2023-08-21T15:36:15

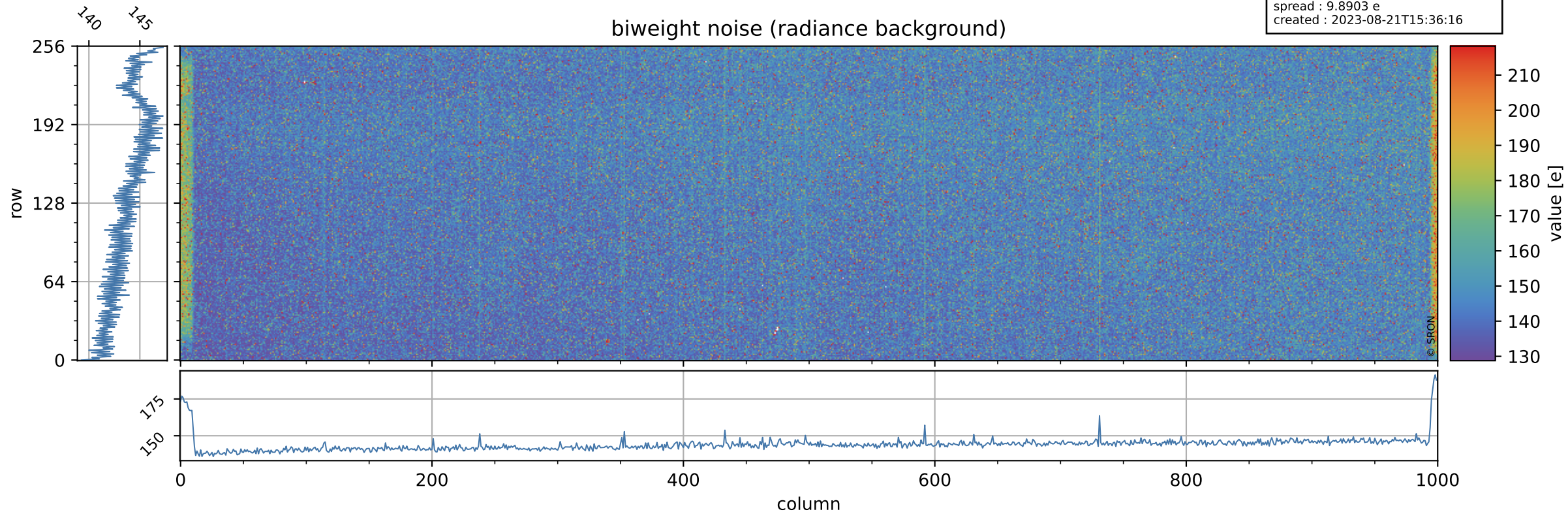
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8903 e  
created : 2023-08-21T15:36:16

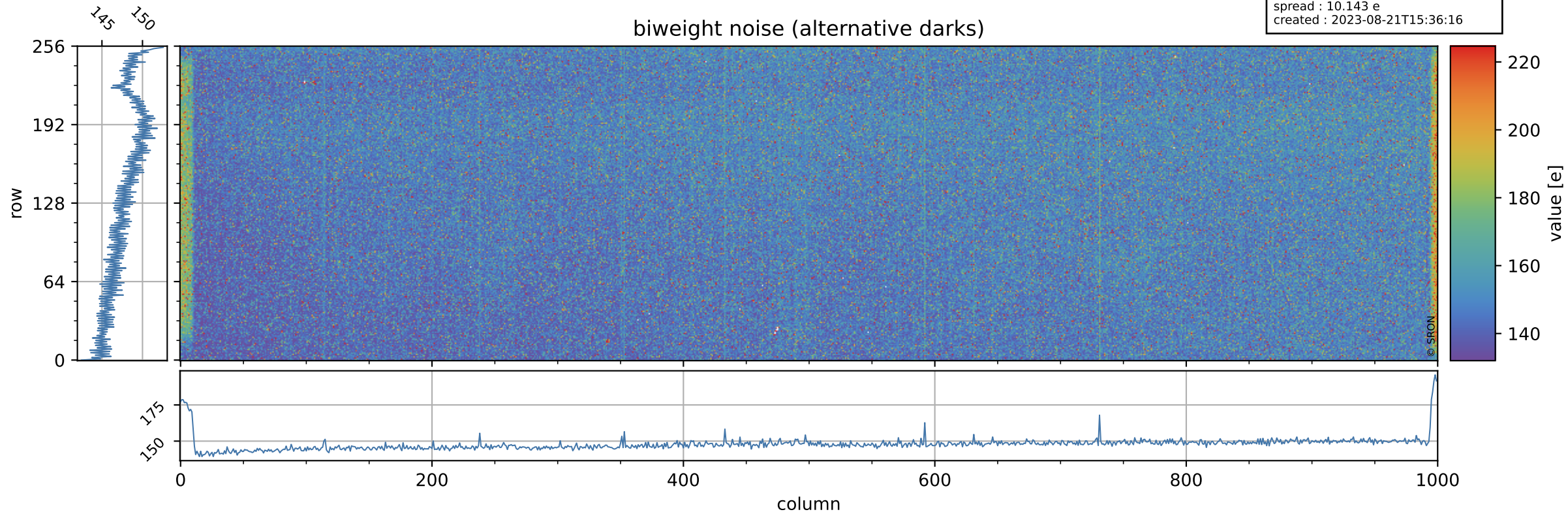
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.143 e  
created : 2023-08-21T15:36:16

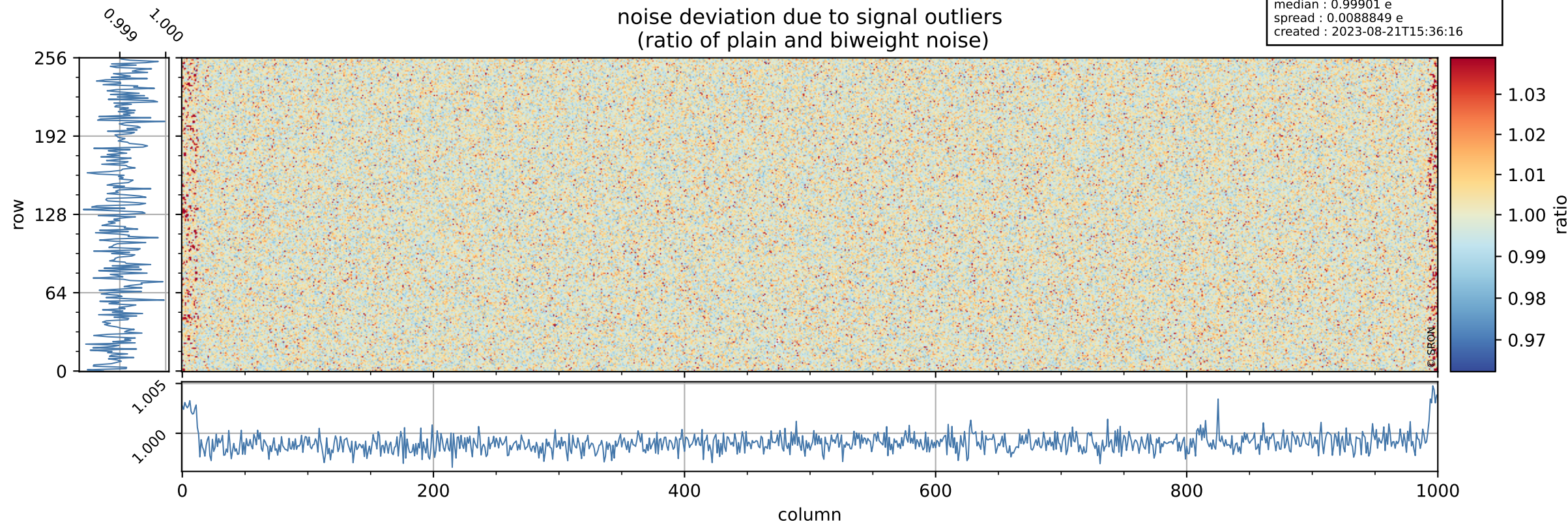
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

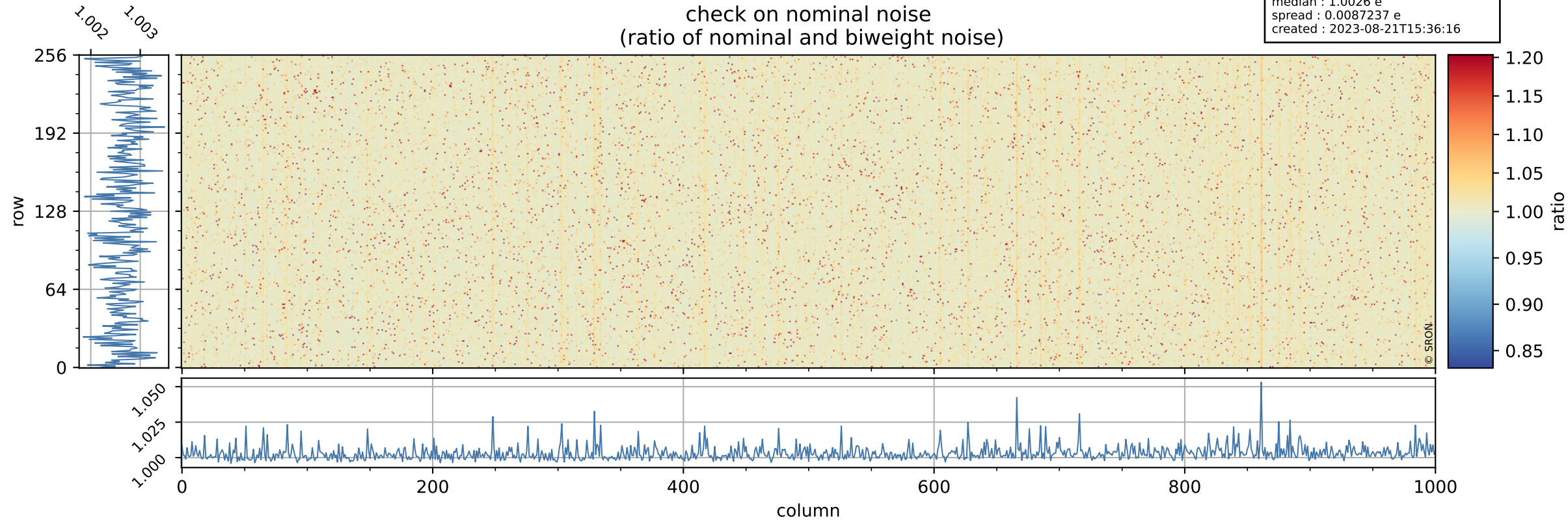
orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
median : 0.99901 e  
spread : 0.0088849 e  
created : 2023-08-21T15:36:16



# Tropomi SWIR background noise (swir)

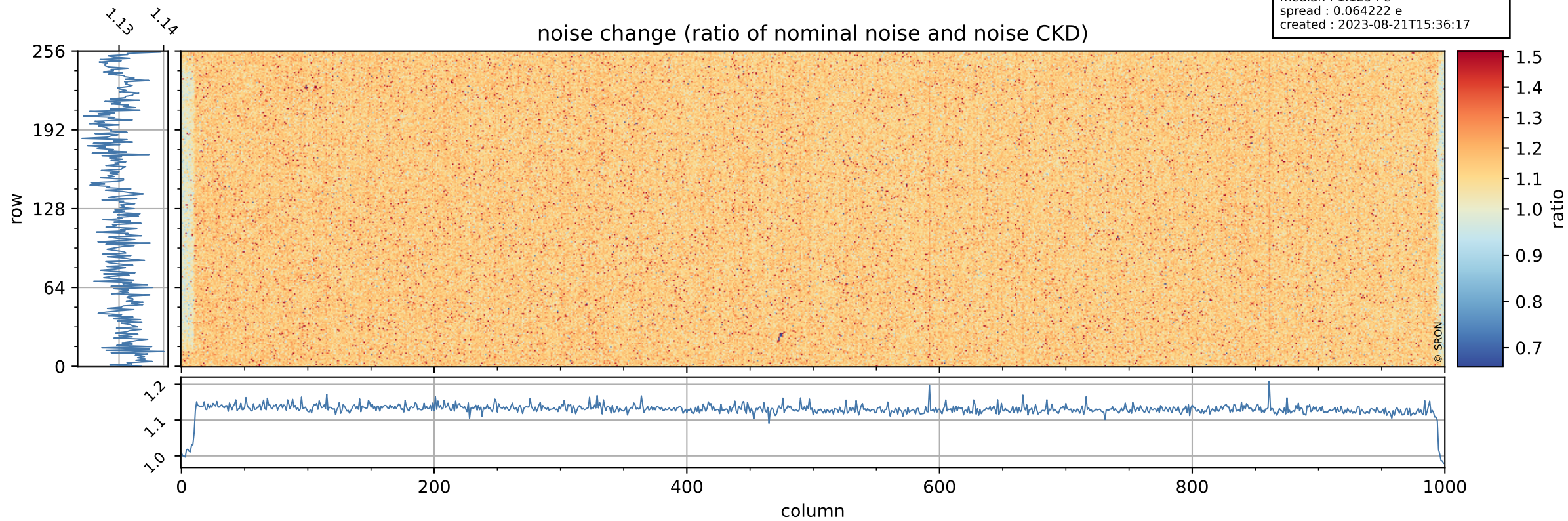
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
median : 1.0026 e  
spread : 0.0087237 e  
created : 2023-08-21T15:36:16



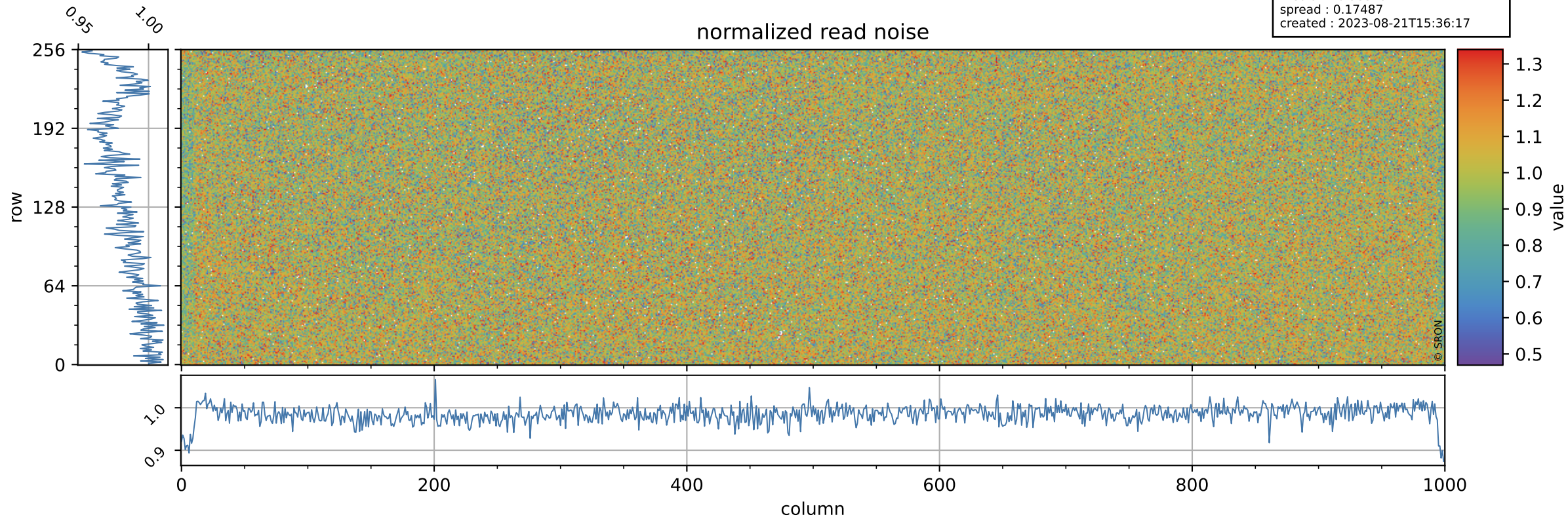
# Tropomi SWIR background noise (swir)

orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
median : 1.1294 e  
spread : 0.064222 e  
created : 2023-08-21T15:36:17



# Tropomi SWIR background noise (swir)

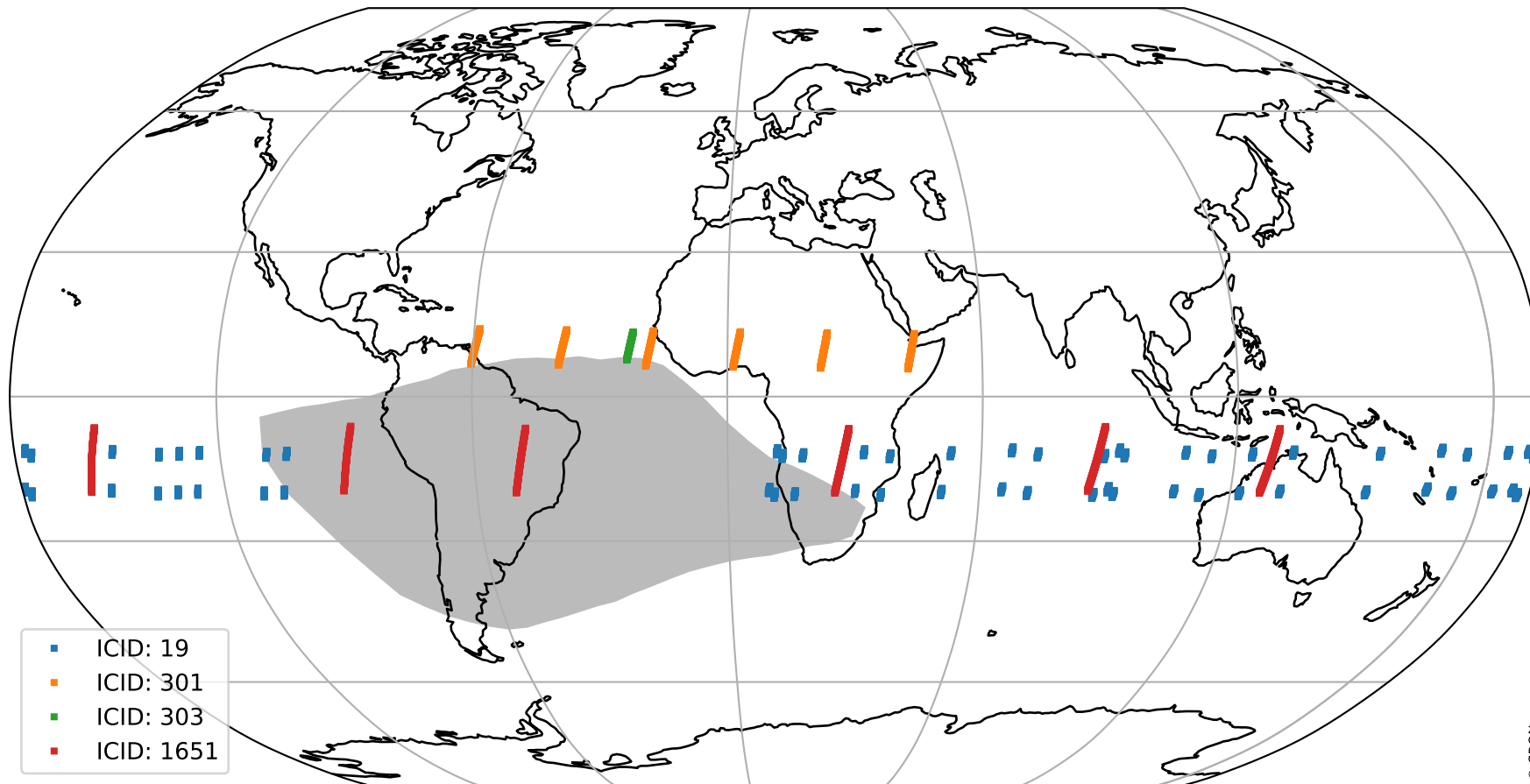
orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
median : 0.98349  
spread : 0.17487  
created : 2023-08-21T15:36:17





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

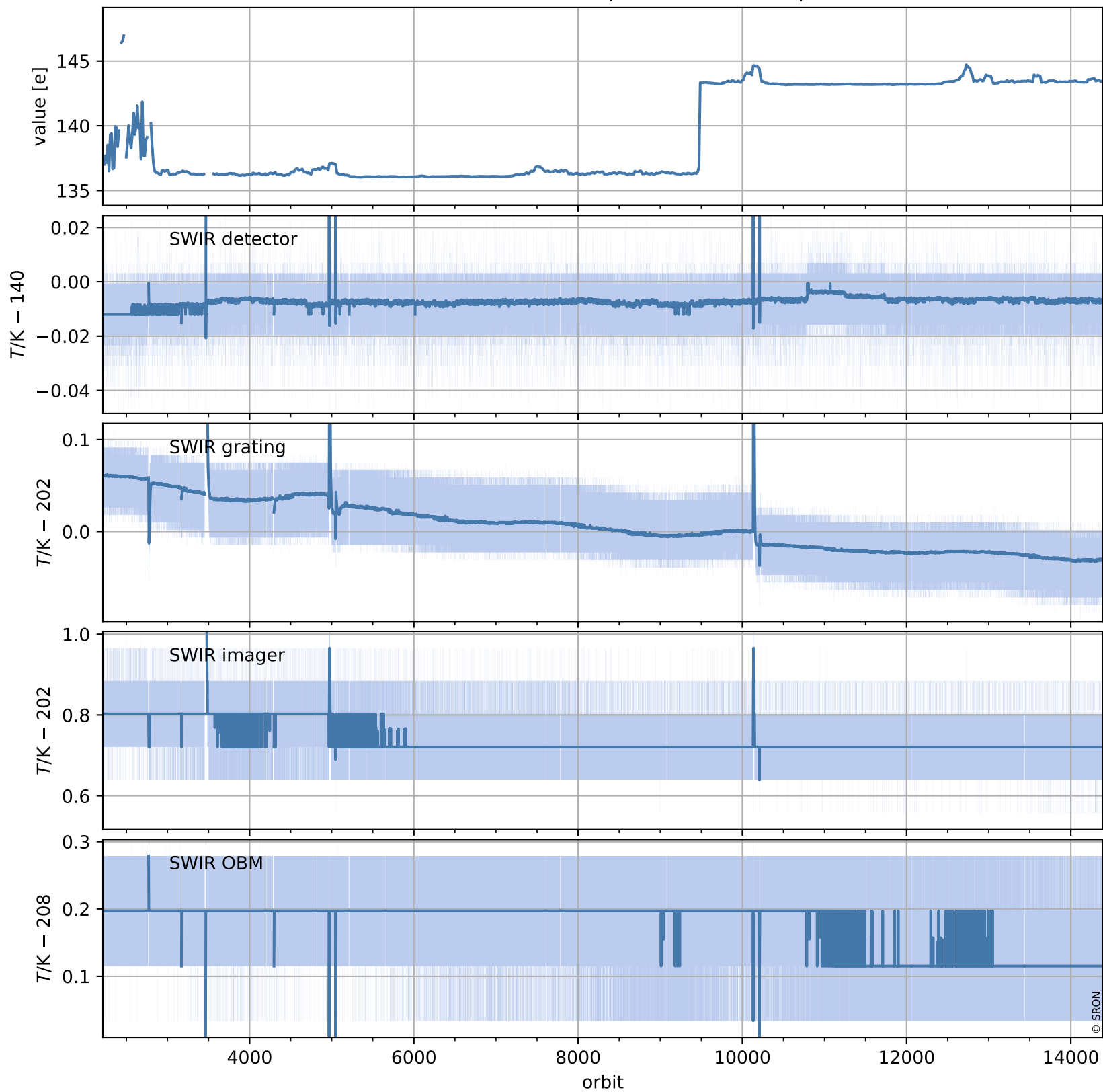
orbits : 13 in [14302, 14392]  
coverage : 2020-07-17 / 2020-07-23  
created : 2023-08-21T15:36:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 14392]  
coverage : 2018-03-18 / 2020-07-23  
created : 2023-08-21T15:36:18

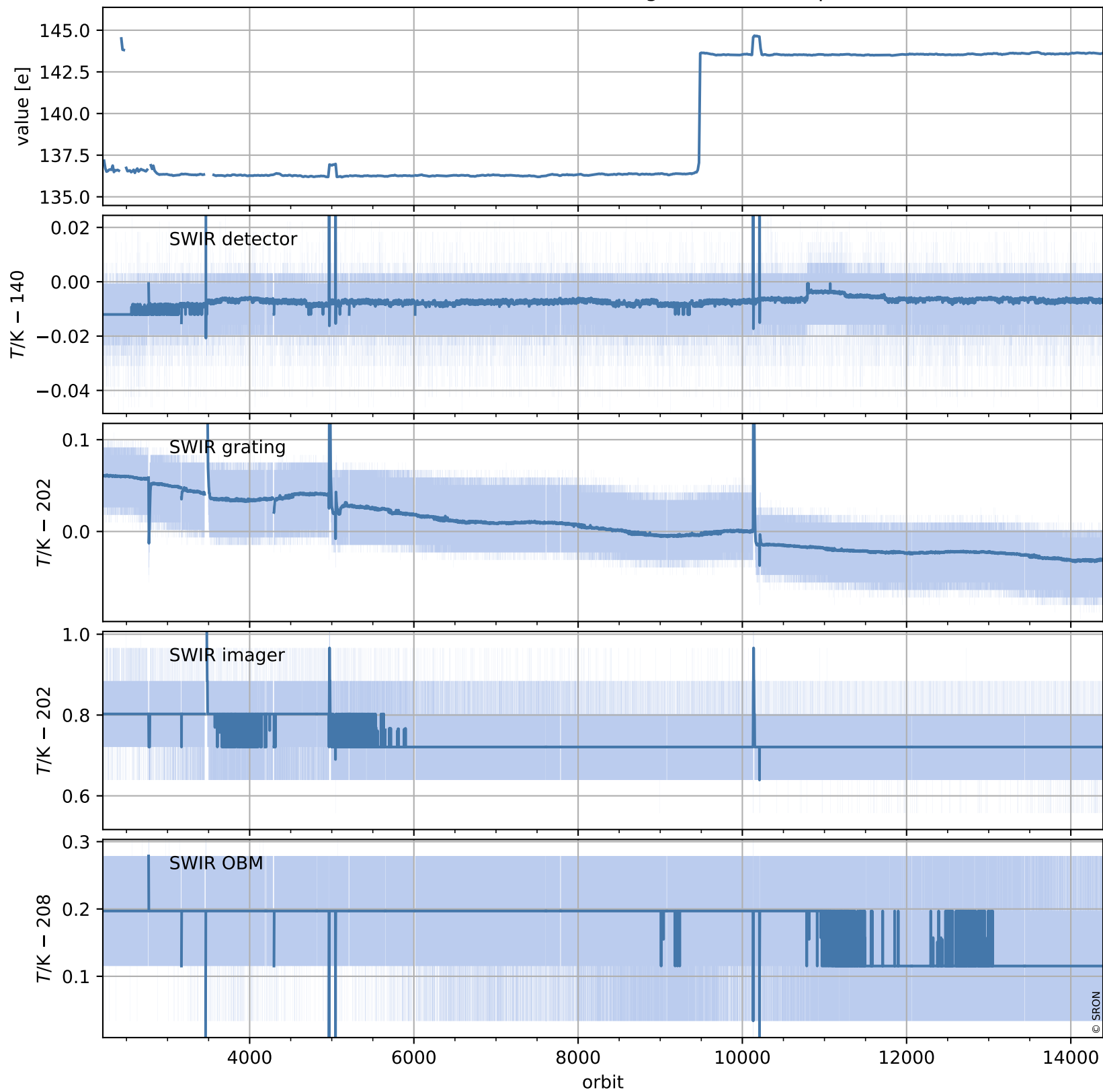
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14392]  
coverage : 2018-03-18 / 2020-07-23  
created : 2023-08-21T15:36:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14392]  
coverage : 2018-03-18 / 2020-07-23  
created : 2023-08-21T15:36:19

## trend of normalized read-noise & temperatures

