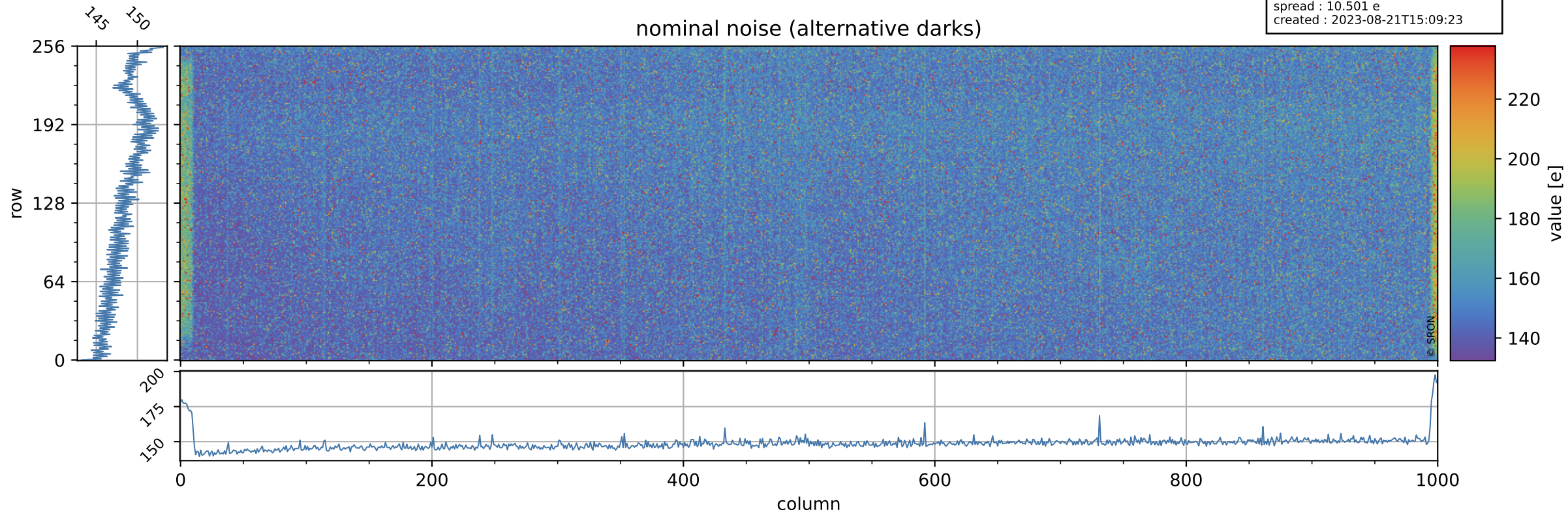


# Tropomi SWIR background noise (swir)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.501 e  
created : 2023-08-21T15:09:23

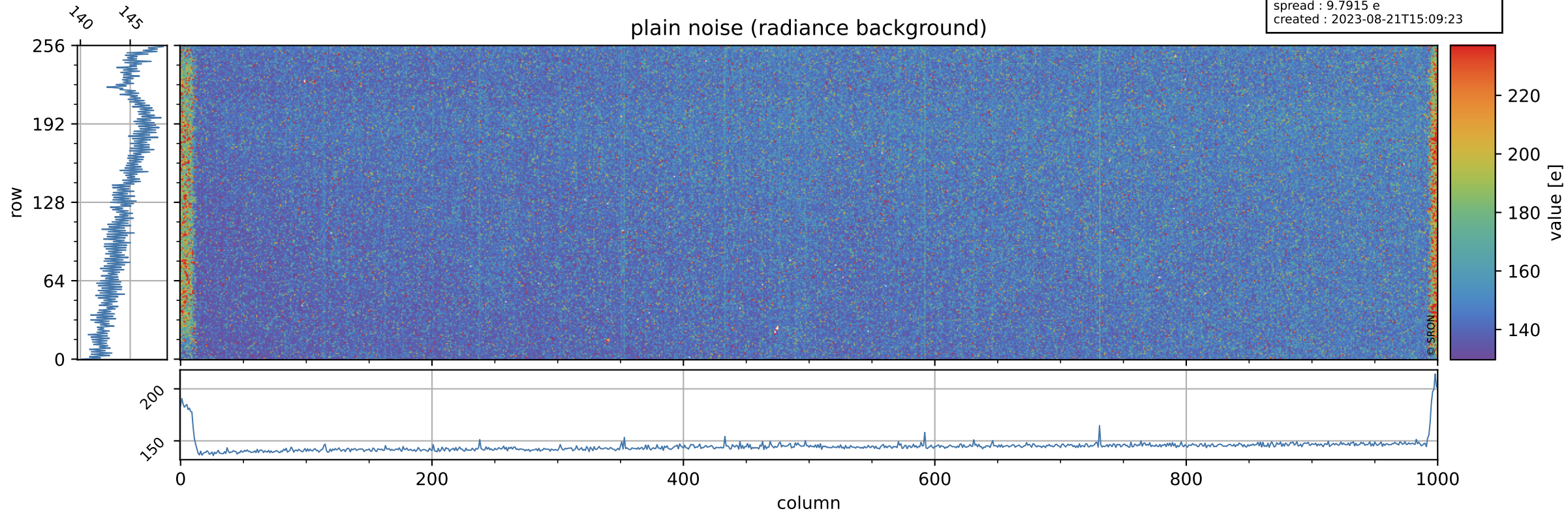
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
n\_coad, t\_exp : 1, 0.8383  
median : 144.29 e  
spread : 9.7915 e  
created : 2023-08-21T15:09:23

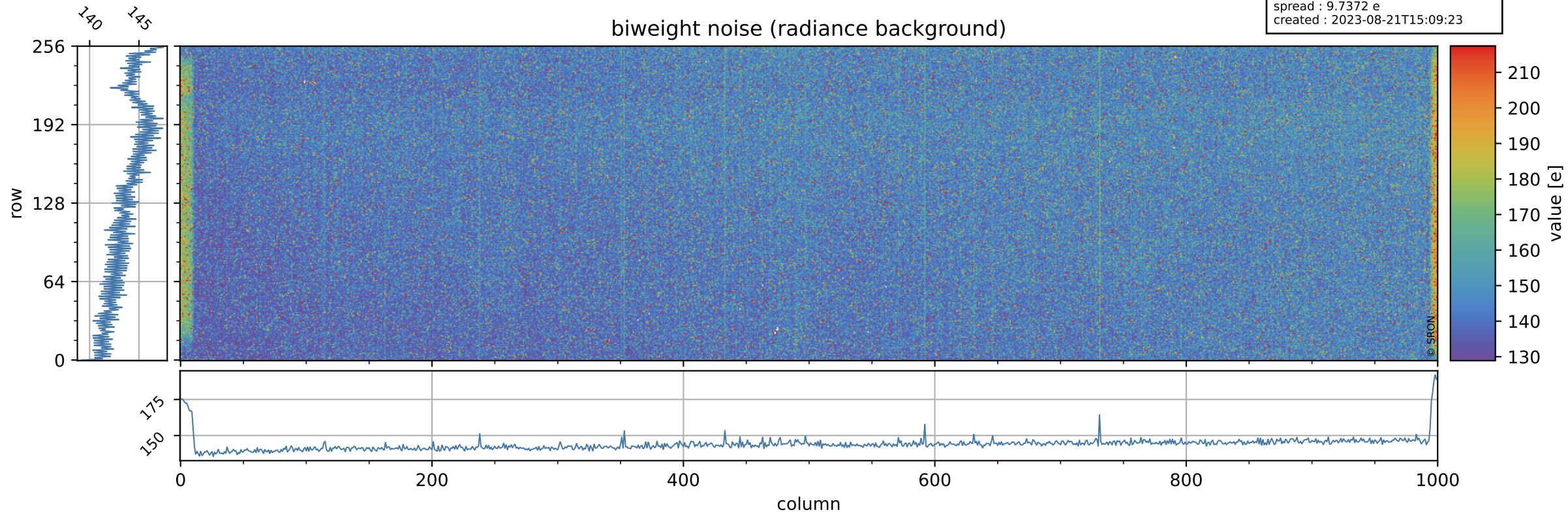
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.7372 e  
created : 2023-08-21T15:09:23

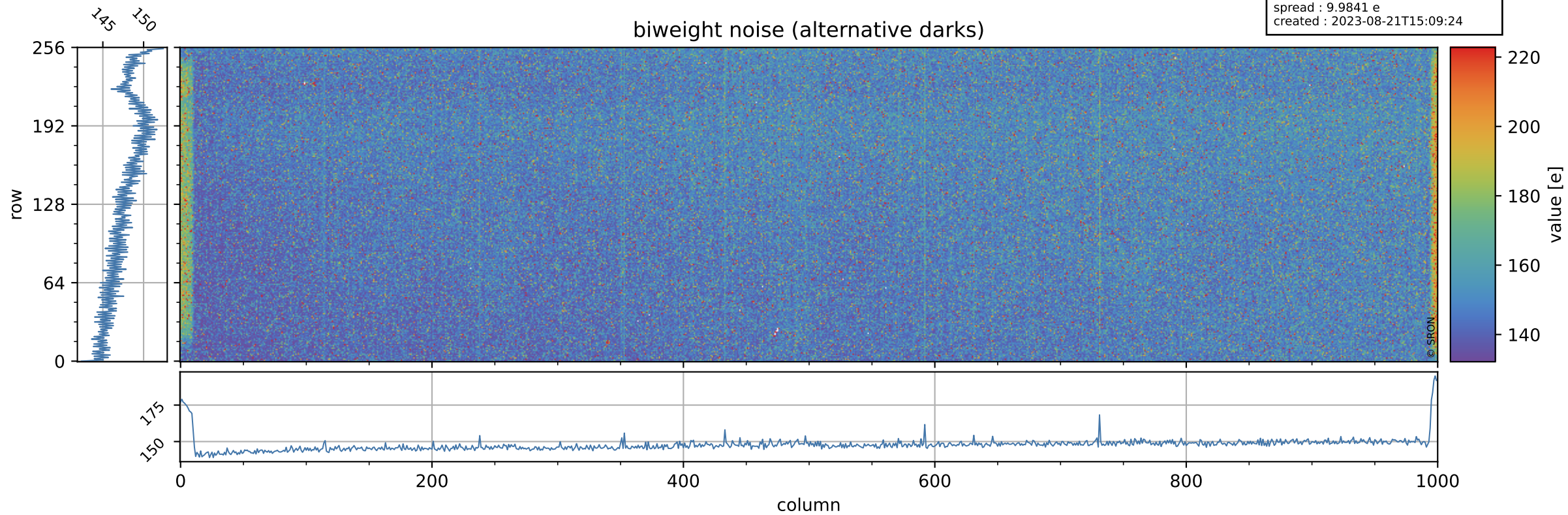
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 9.9841 e  
created : 2023-08-21T15:09:24

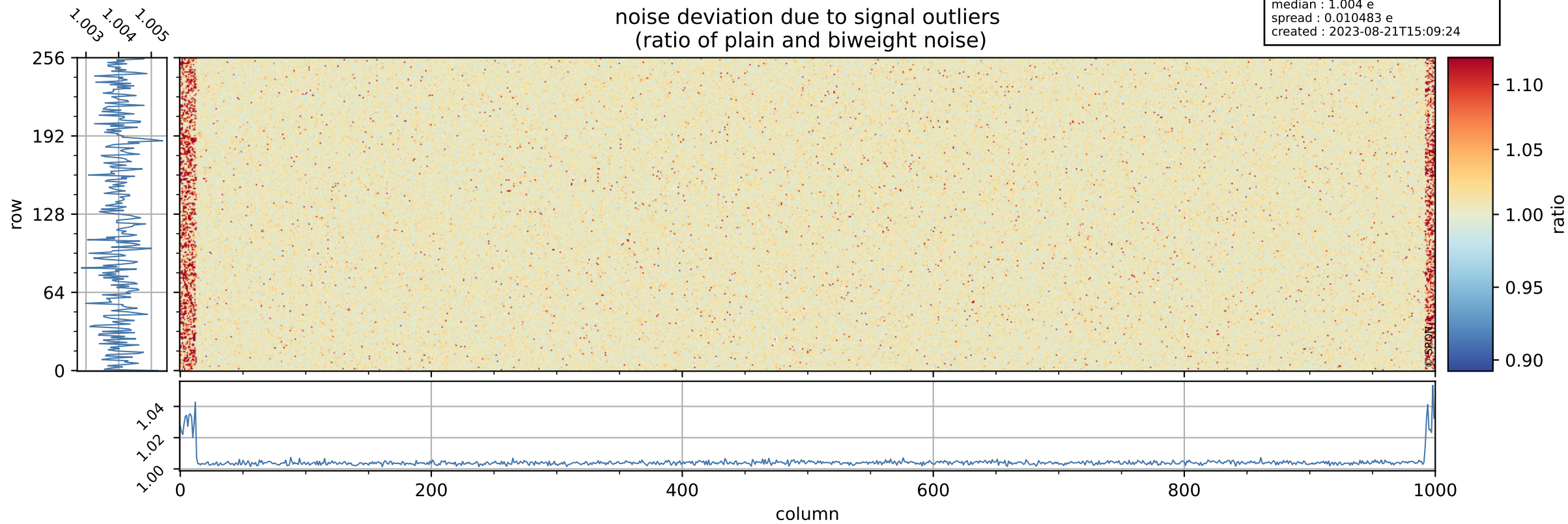
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

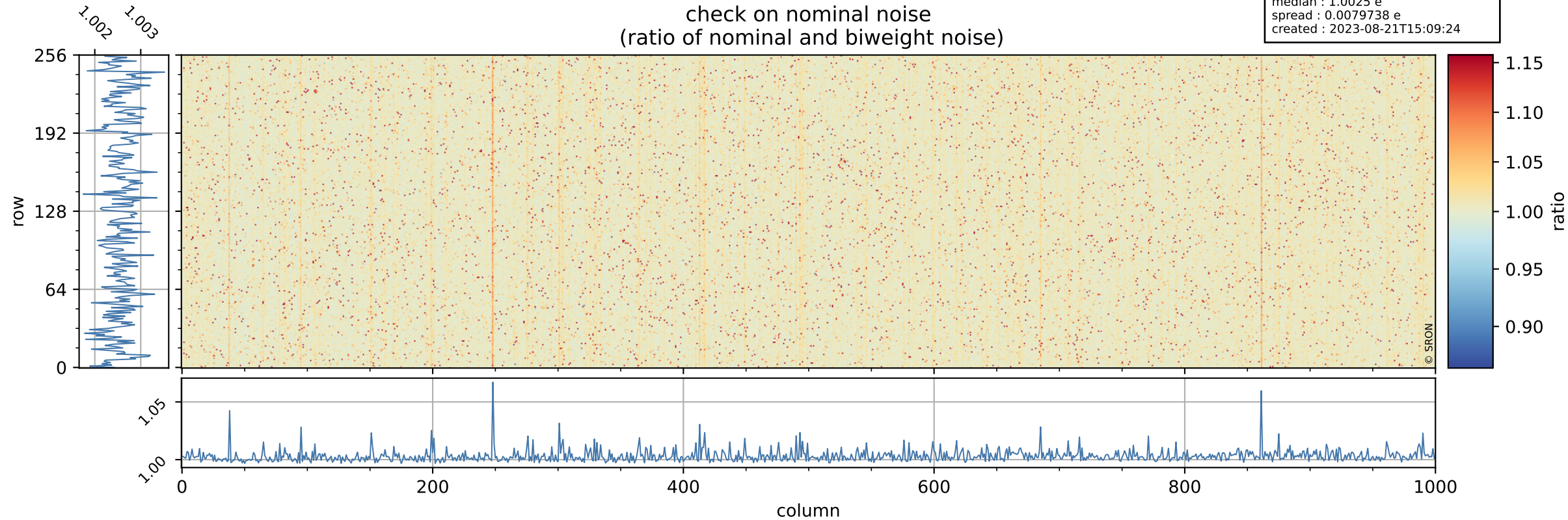
orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
median : 1.004 e  
spread : 0.010483 e  
created : 2023-08-21T15:09:24



# Tropomi SWIR background noise (swir)

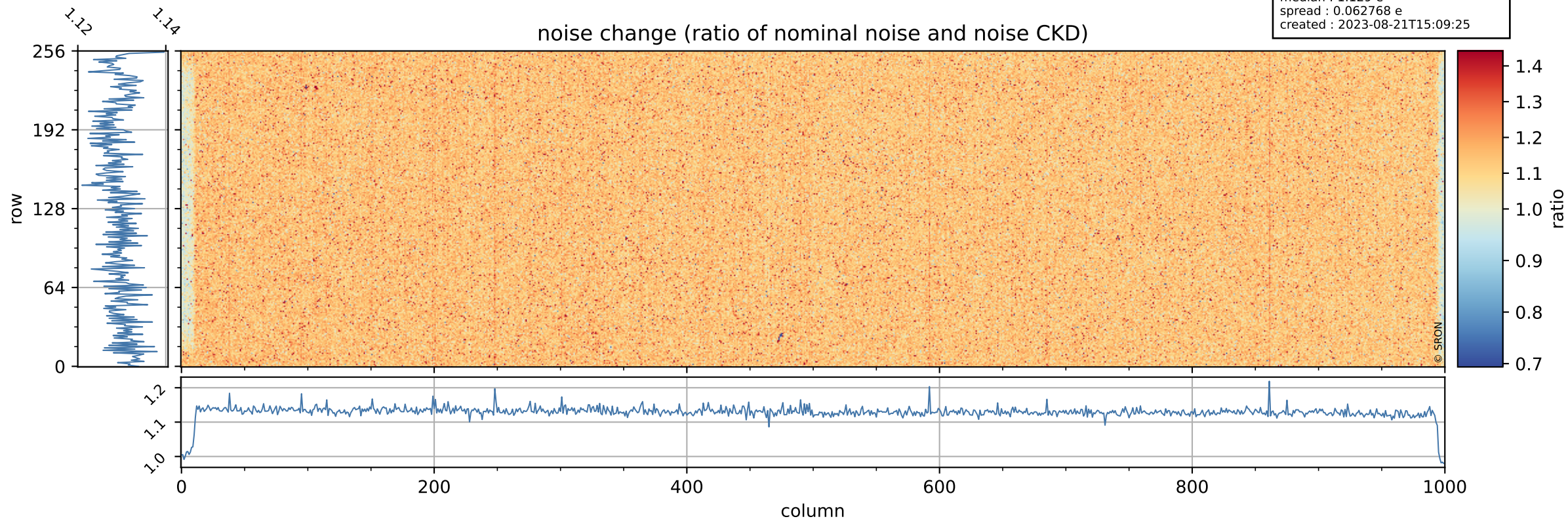
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
median : 1.0025 e  
spread : 0.0079738 e  
created : 2023-08-21T15:09:24



# Tropomi SWIR background noise (swir)

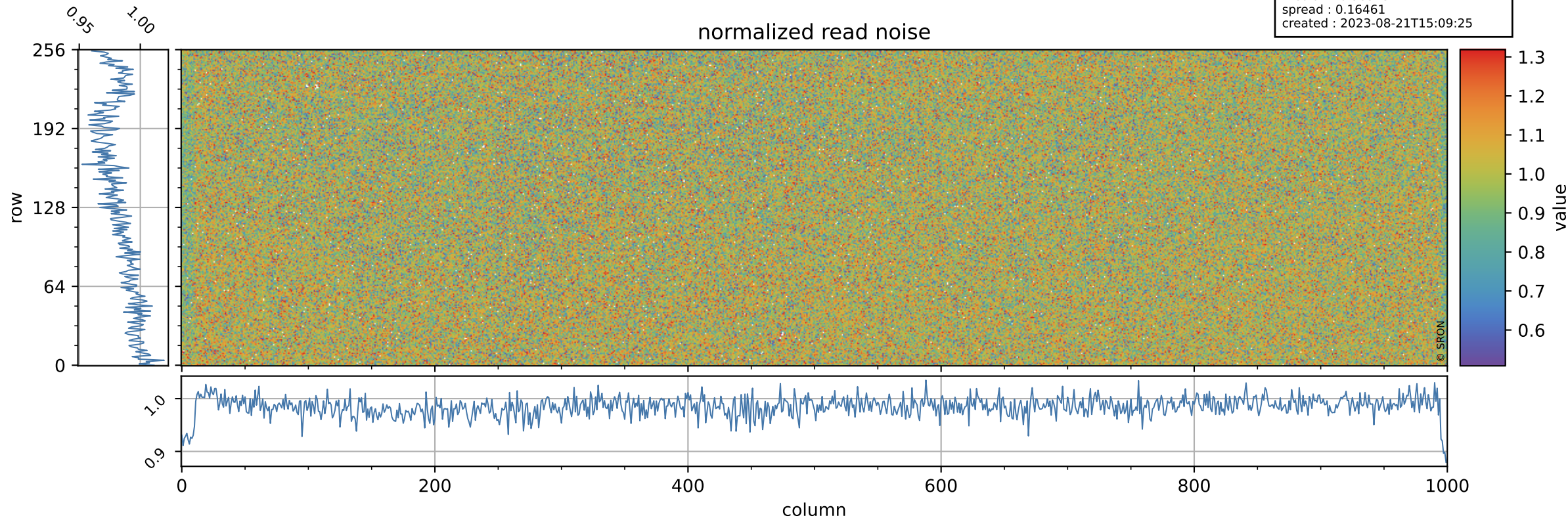
orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
median : 1.129 e  
spread : 0.062768 e  
created : 2023-08-21T15:09:25



# Tropomi SWIR background noise (swir)

orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
median : 0.98313  
spread : 0.16461  
created : 2023-08-21T15:09:25

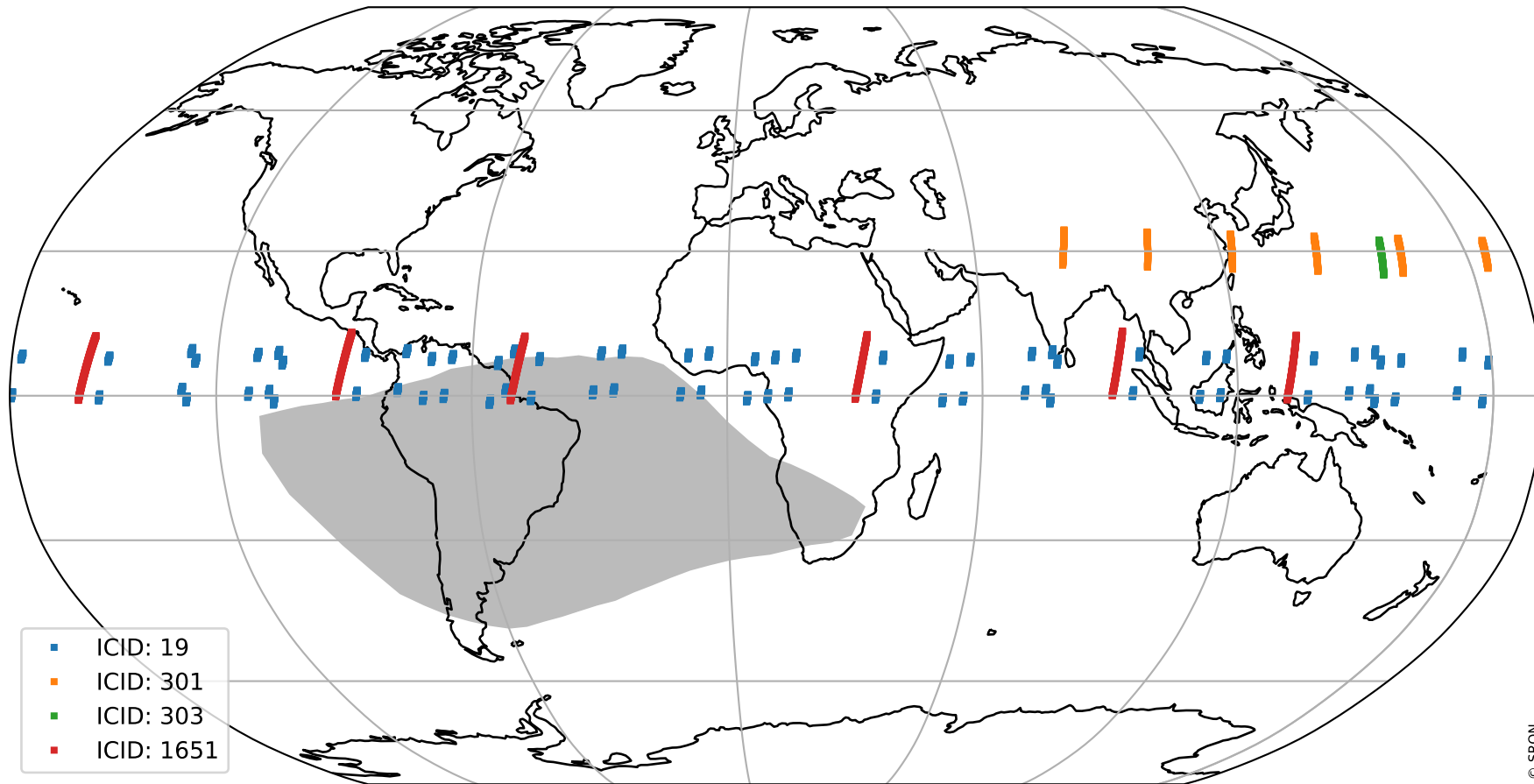
normalized read noise





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

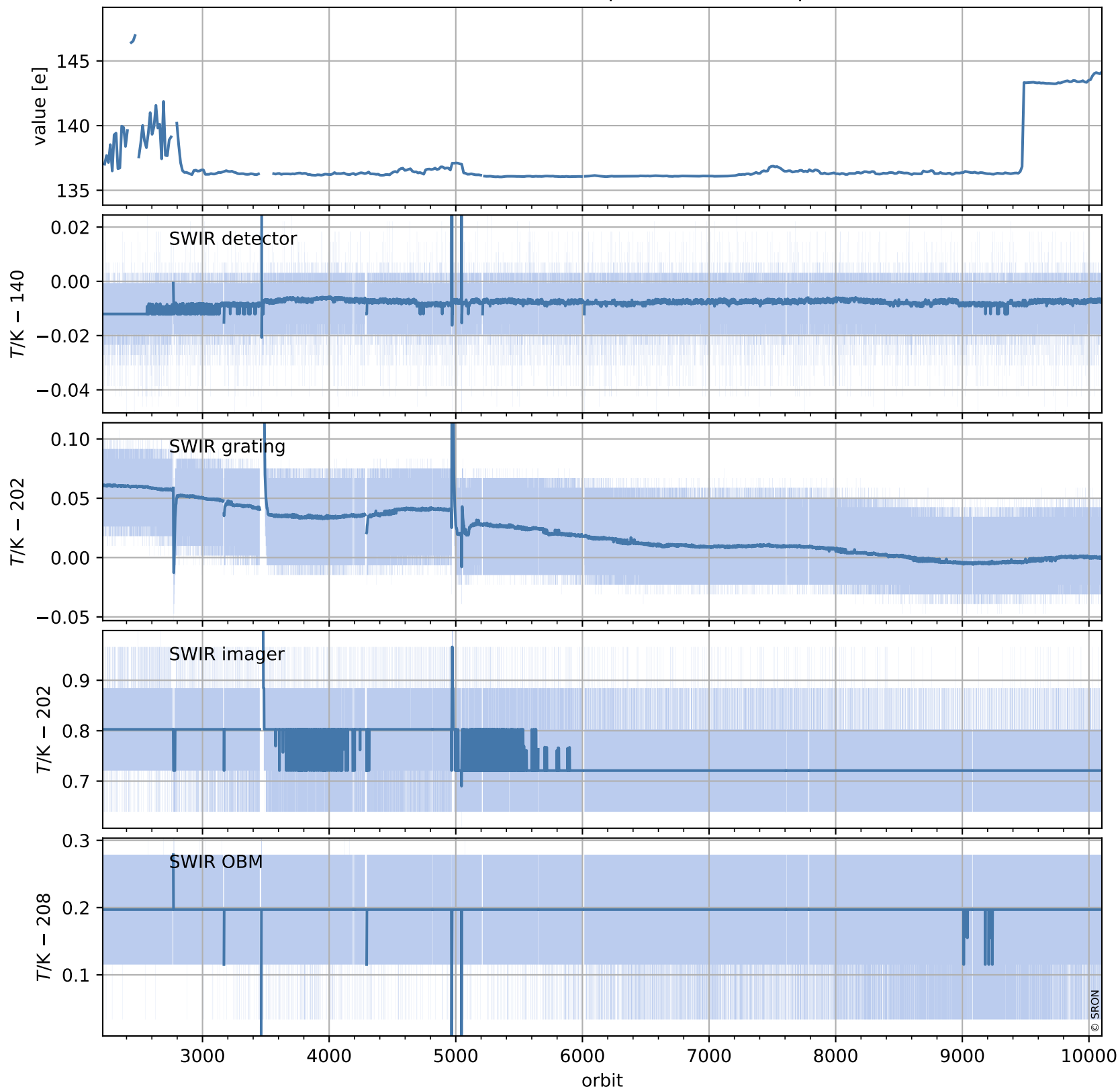
orbits : 13 in [10027, 10102]  
coverage : 2019-09-19 / 2019-09-24  
created : 2023-08-21T15:09:26



# Tropomi SWIR background noise (swir)

orbits : [2212, 10102]  
coverage : 2018-03-18 / 2019-09-24  
created : 2023-08-21T15:09:26

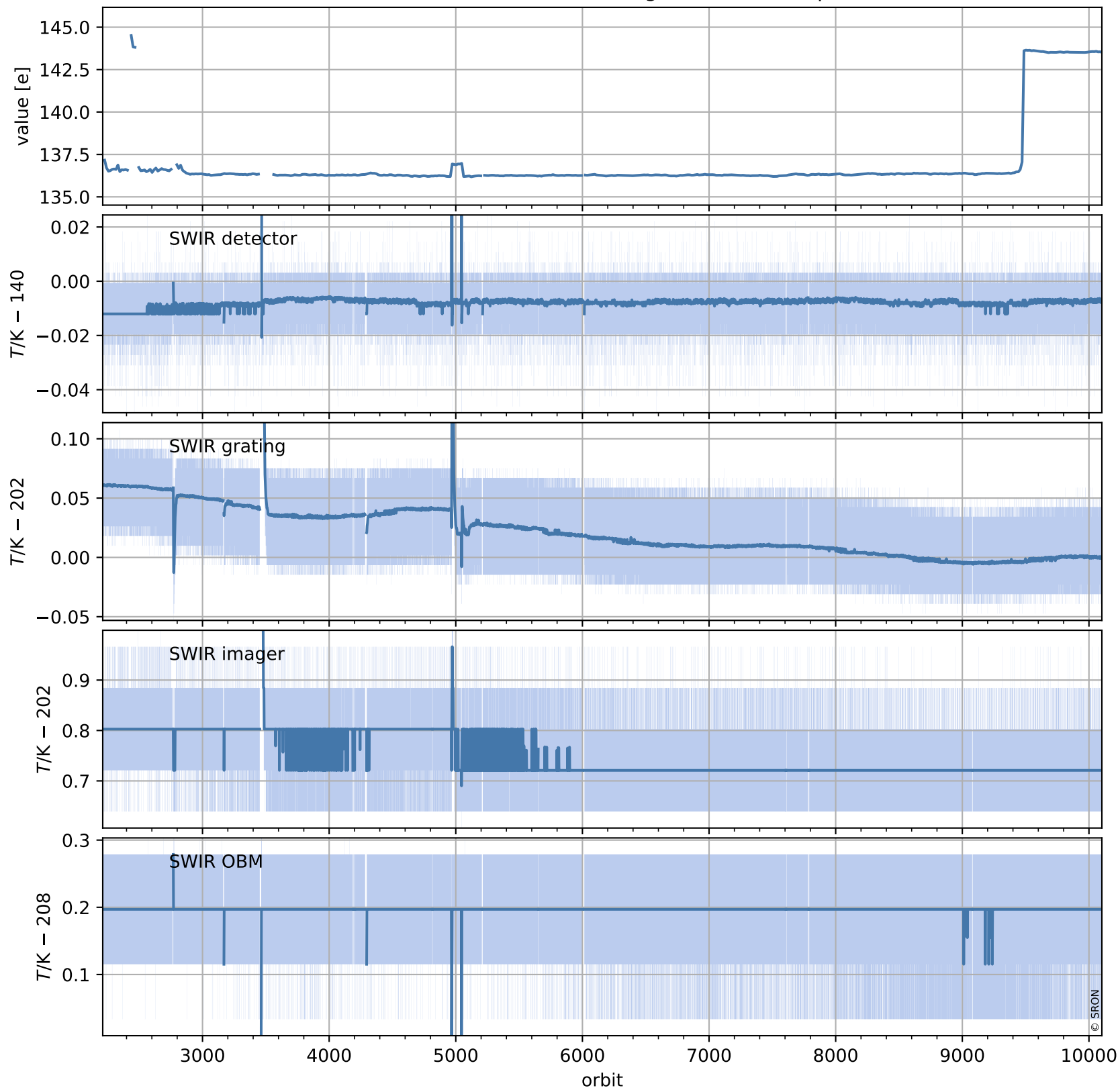
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10102]  
coverage : 2018-03-18 / 2019-09-24  
created : 2023-08-21T15:09:27

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10102]  
coverage : 2018-03-18 / 2019-09-24  
created : 2023-08-21T15:09:28

## trend of normalized read-noise & temperatures

