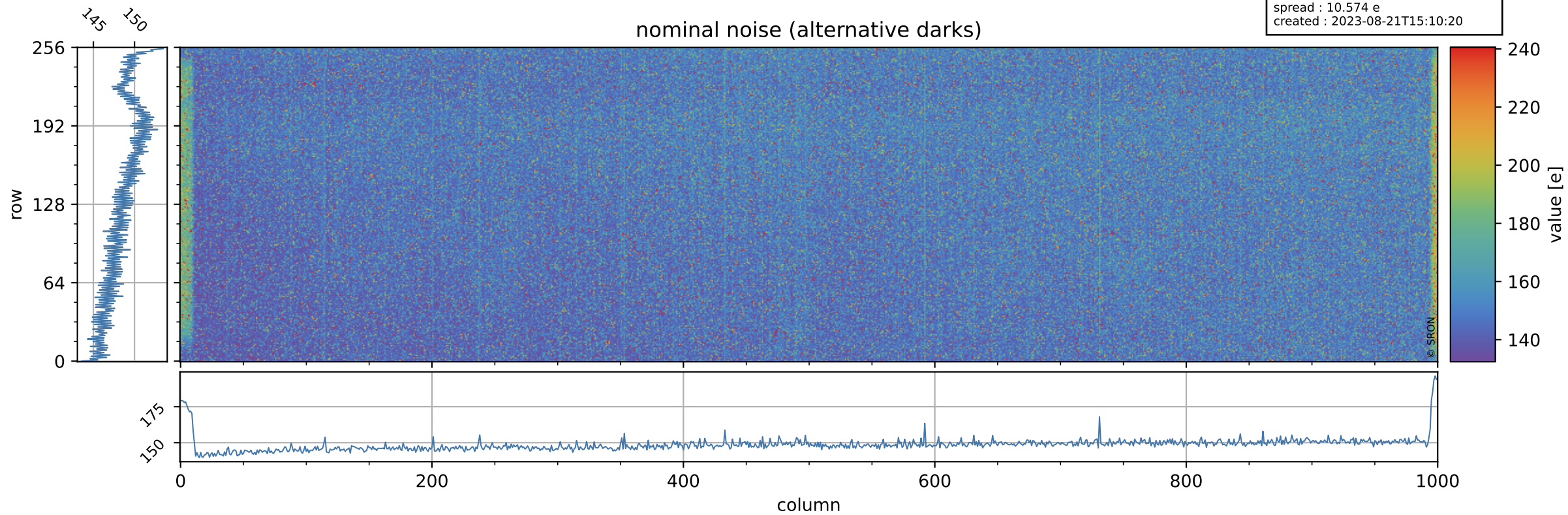


# Tropomi SWIR background noise (swir)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.574 e  
created : 2023-08-21T15:10:20

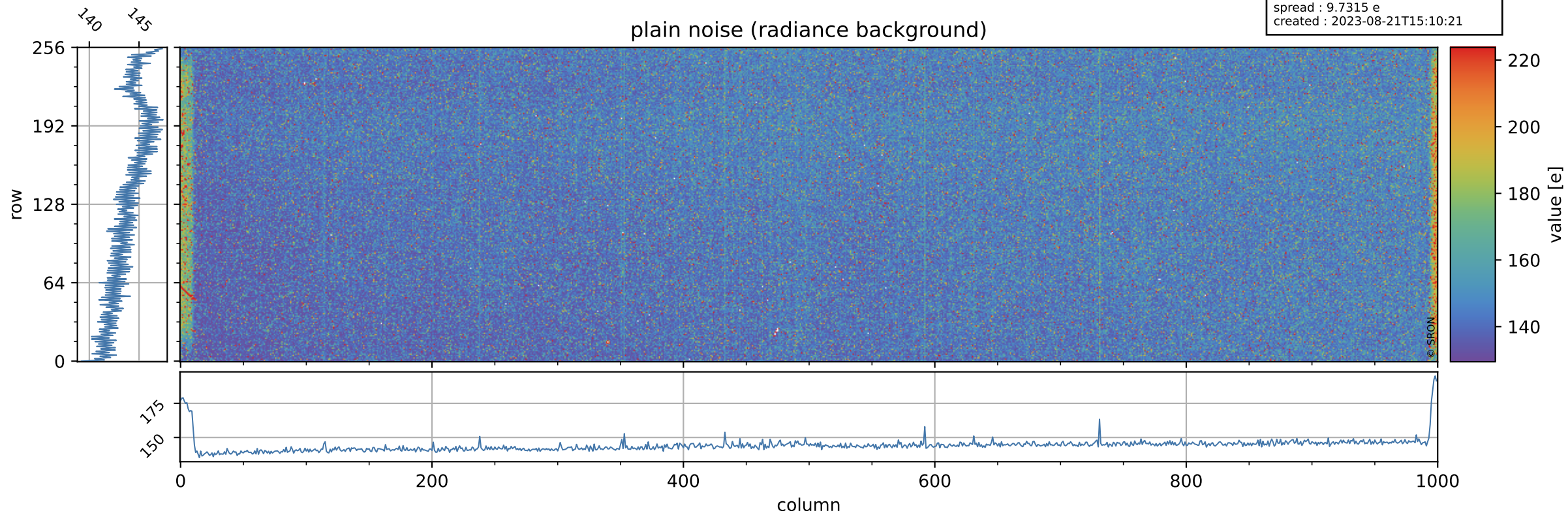
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.7315 e  
created : 2023-08-21T15:10:21

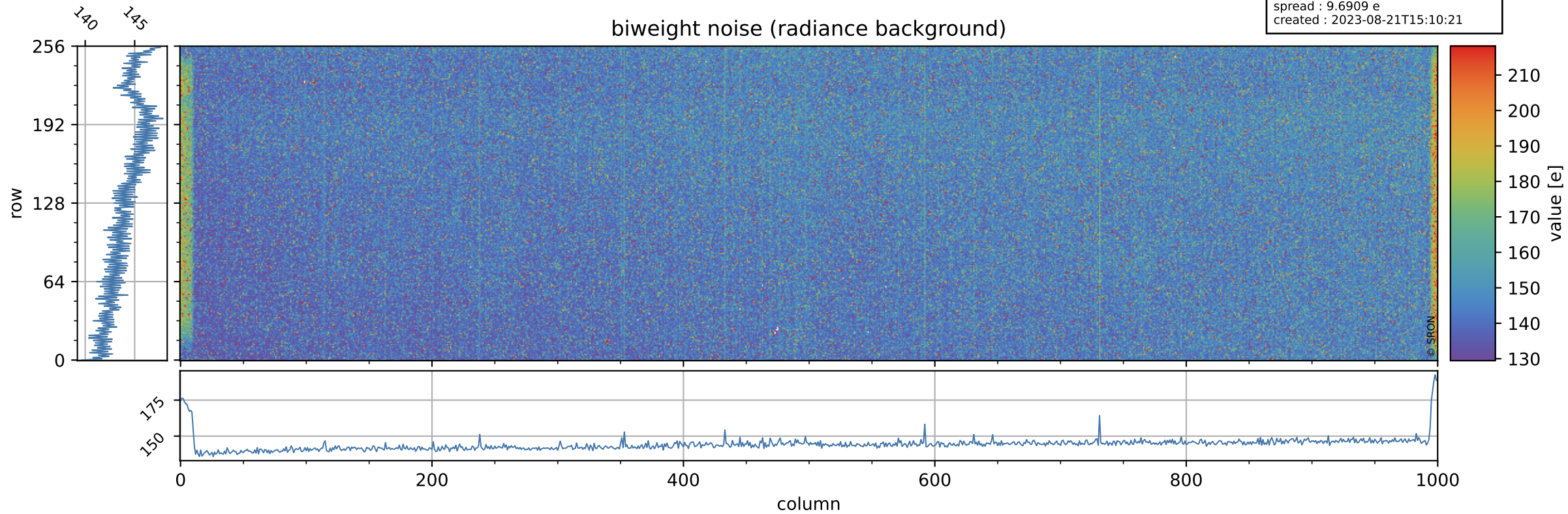
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
n\_coad, t\_exp : 1, 0.8383  
median : 144.04 e  
spread : 9.6909 e  
created : 2023-08-21T15:10:21

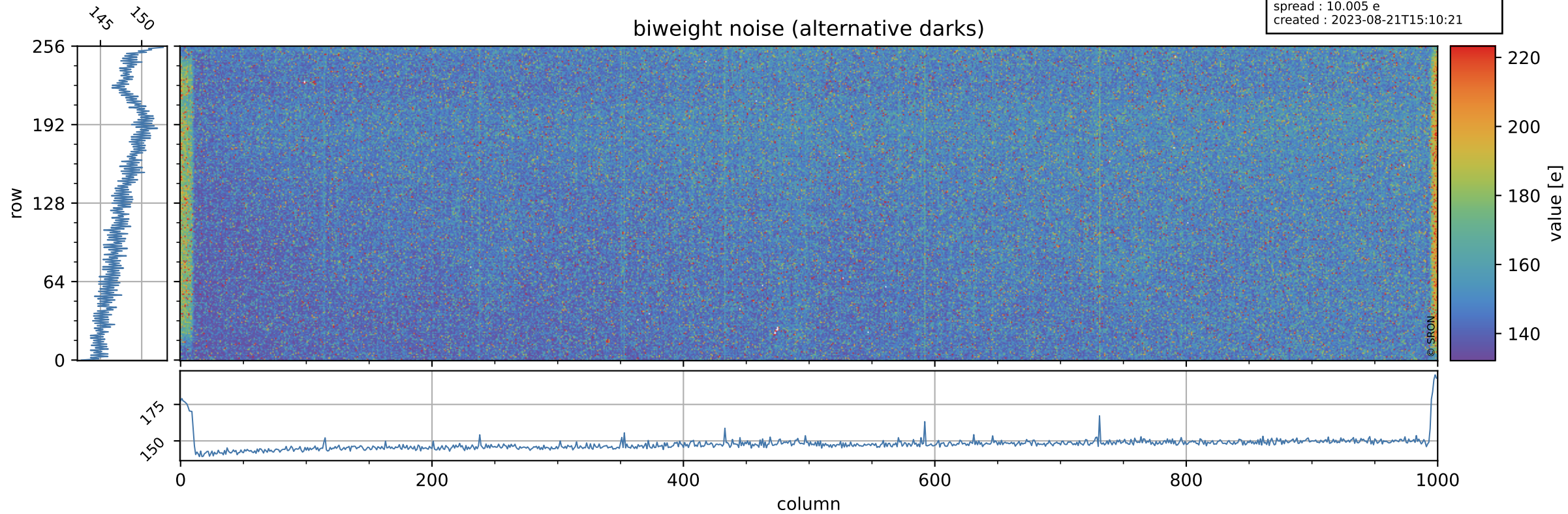
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 10.005 e  
created : 2023-08-21T15:10:21

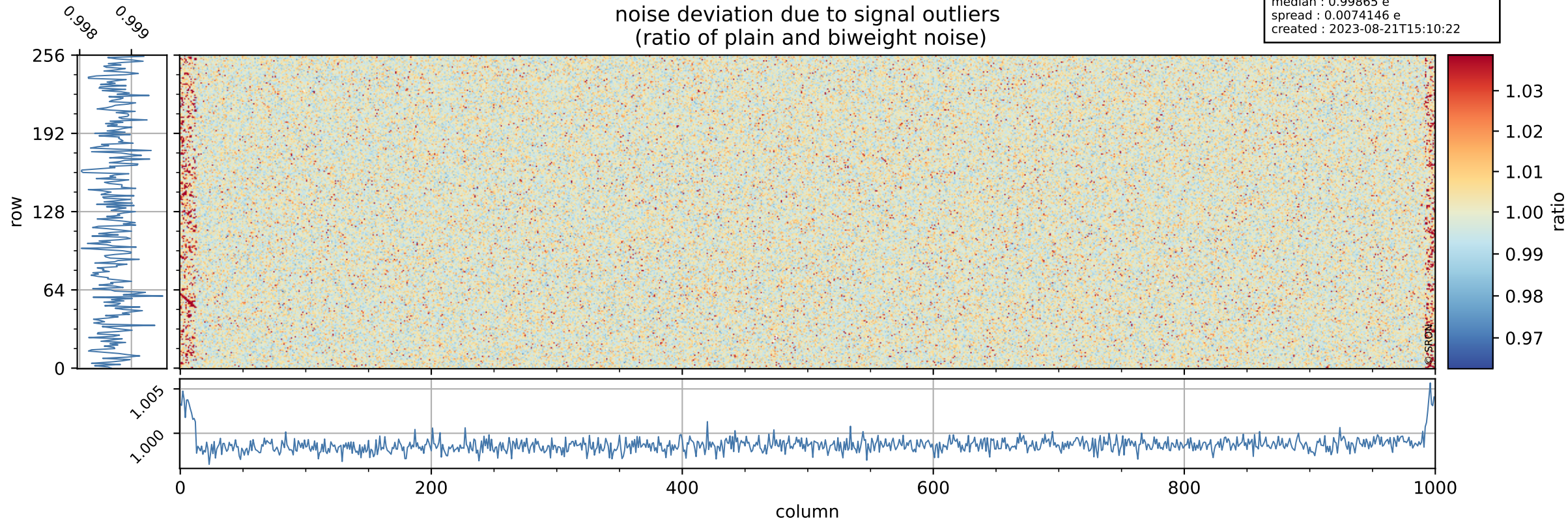
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

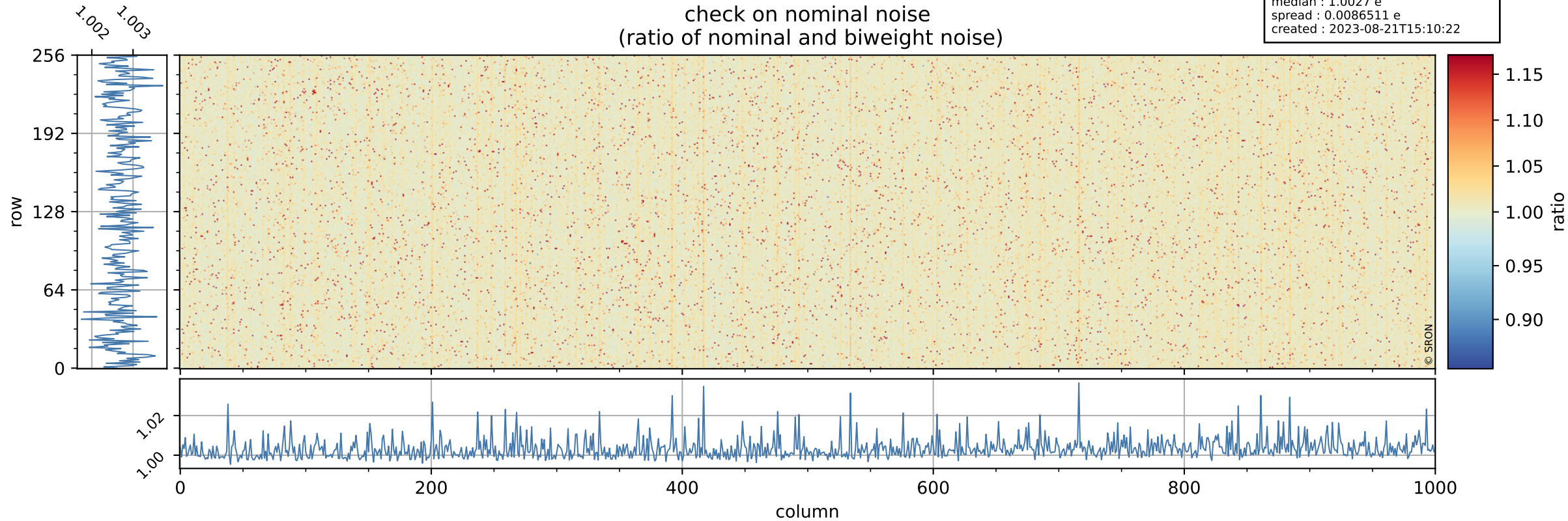
orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
median : 0.99865 e  
spread : 0.0074146 e  
created : 2023-08-21T15:10:22



# Tropomi SWIR background noise (swir)

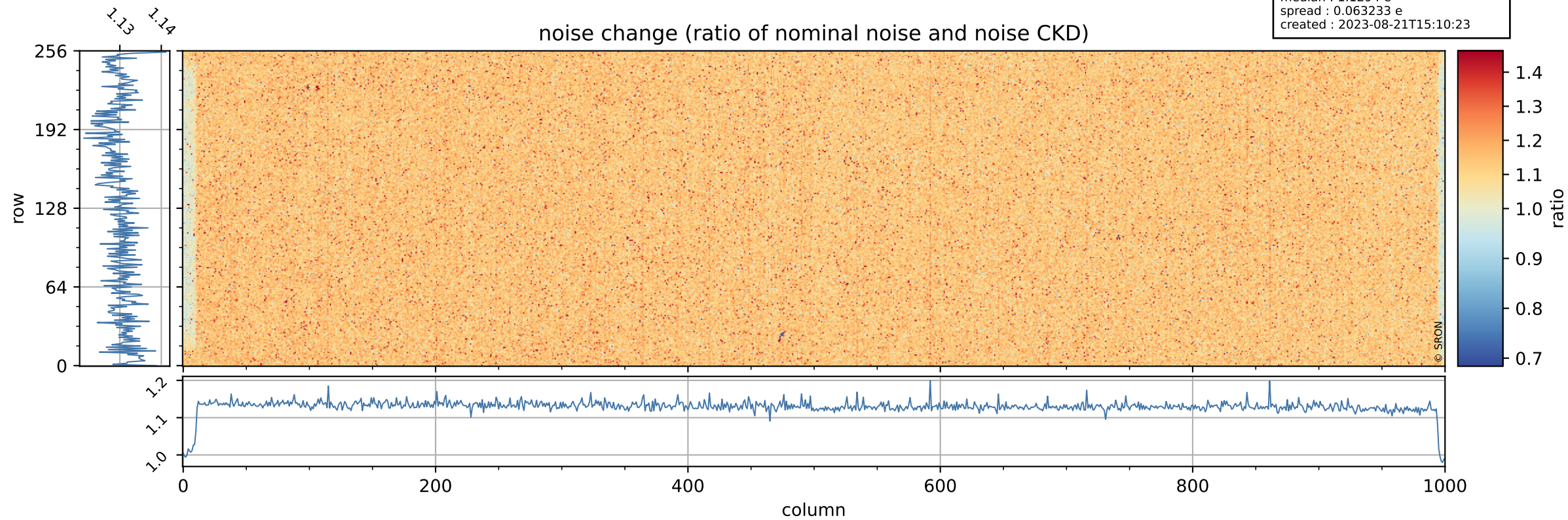
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
median : 1.0027 e  
spread : 0.0086511 e  
created : 2023-08-21T15:10:22



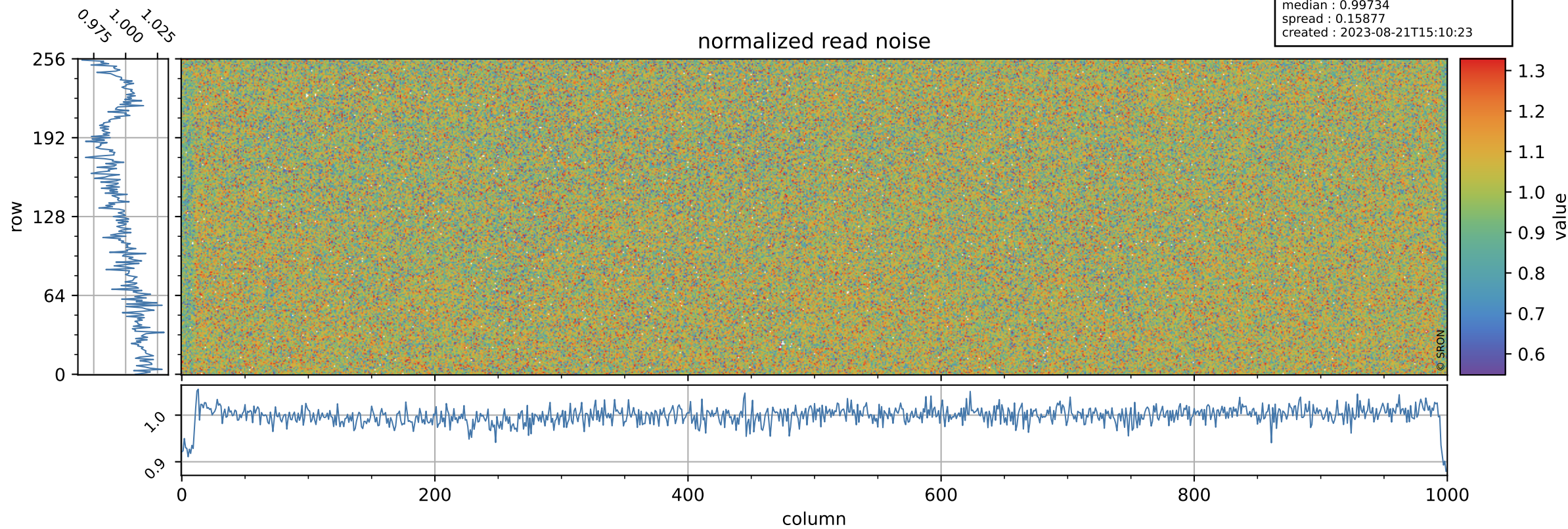
# Tropomi SWIR background noise (swir)

orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
median : 1.1294 e  
spread : 0.063233 e  
created : 2023-08-21T15:10:23



# Tropomi SWIR background noise (swir)

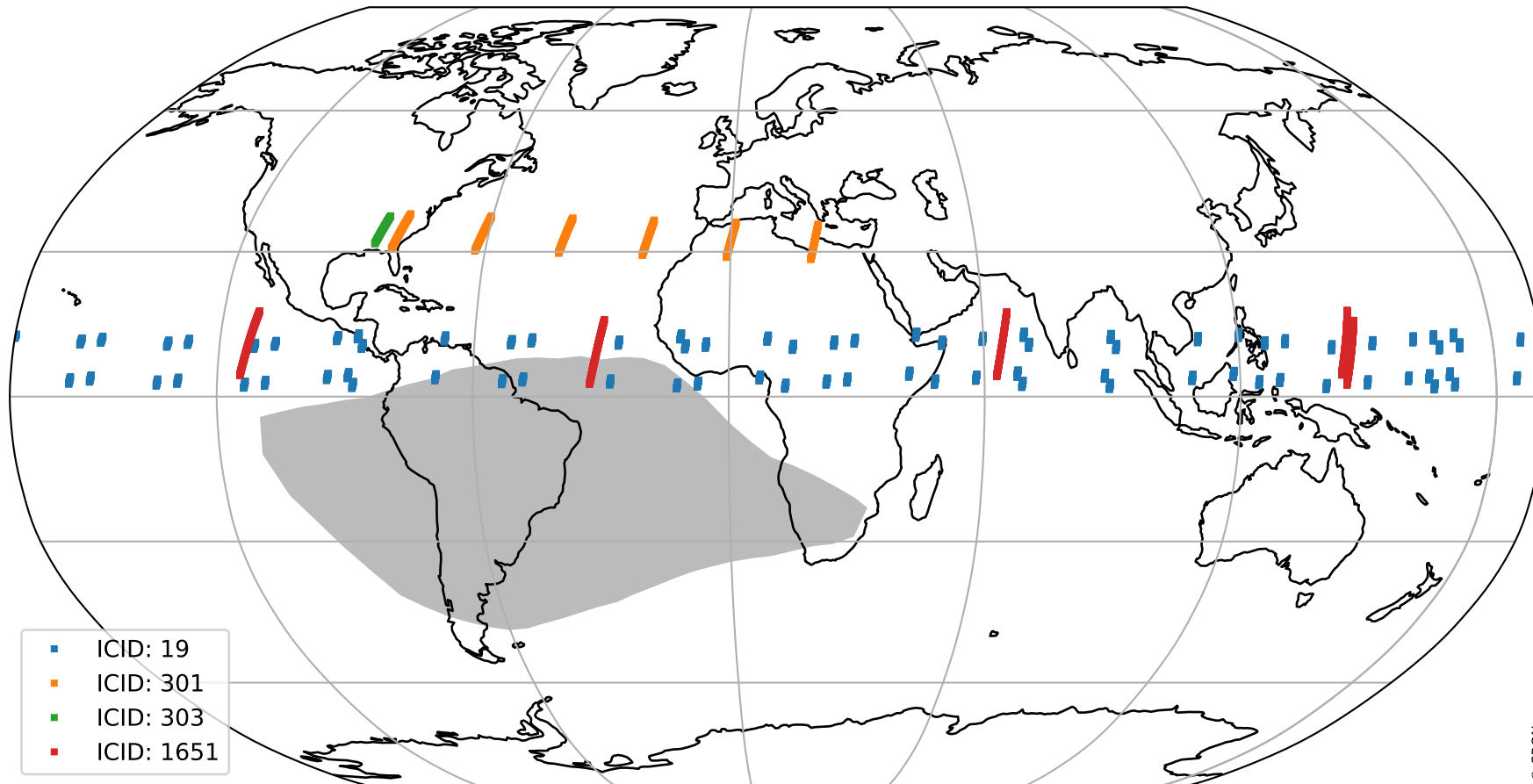
orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
median : 0.99734  
spread : 0.15877  
created : 2023-08-21T15:10:23





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

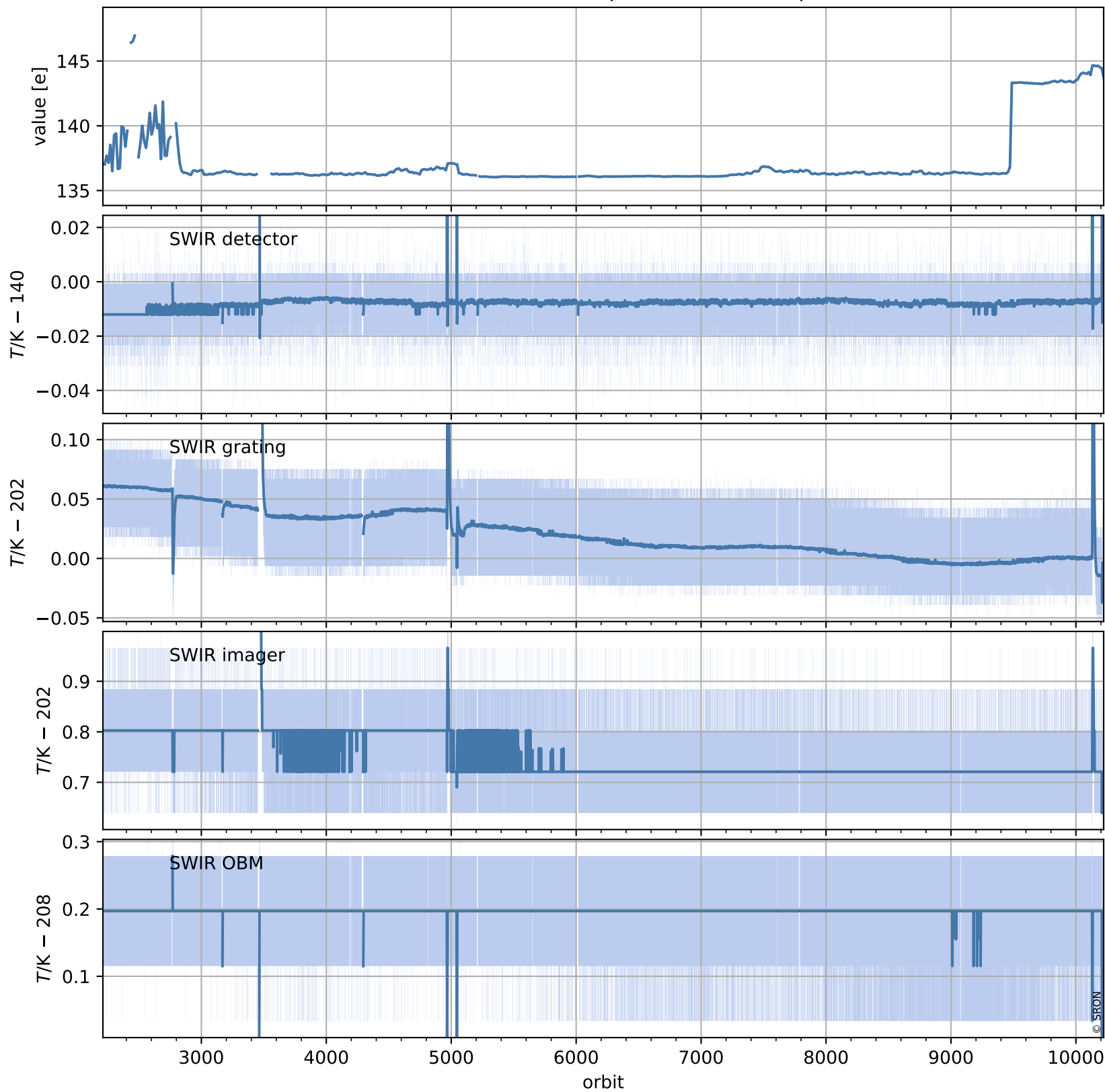
orbits : 12 in [10132, 10222]  
coverage : 2019-09-27 / 2019-10-03  
created : 2023-08-21T15:10:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 10222]  
coverage : 2018-03-18 / 2019-10-03  
created : 2023-08-21T15:10:24

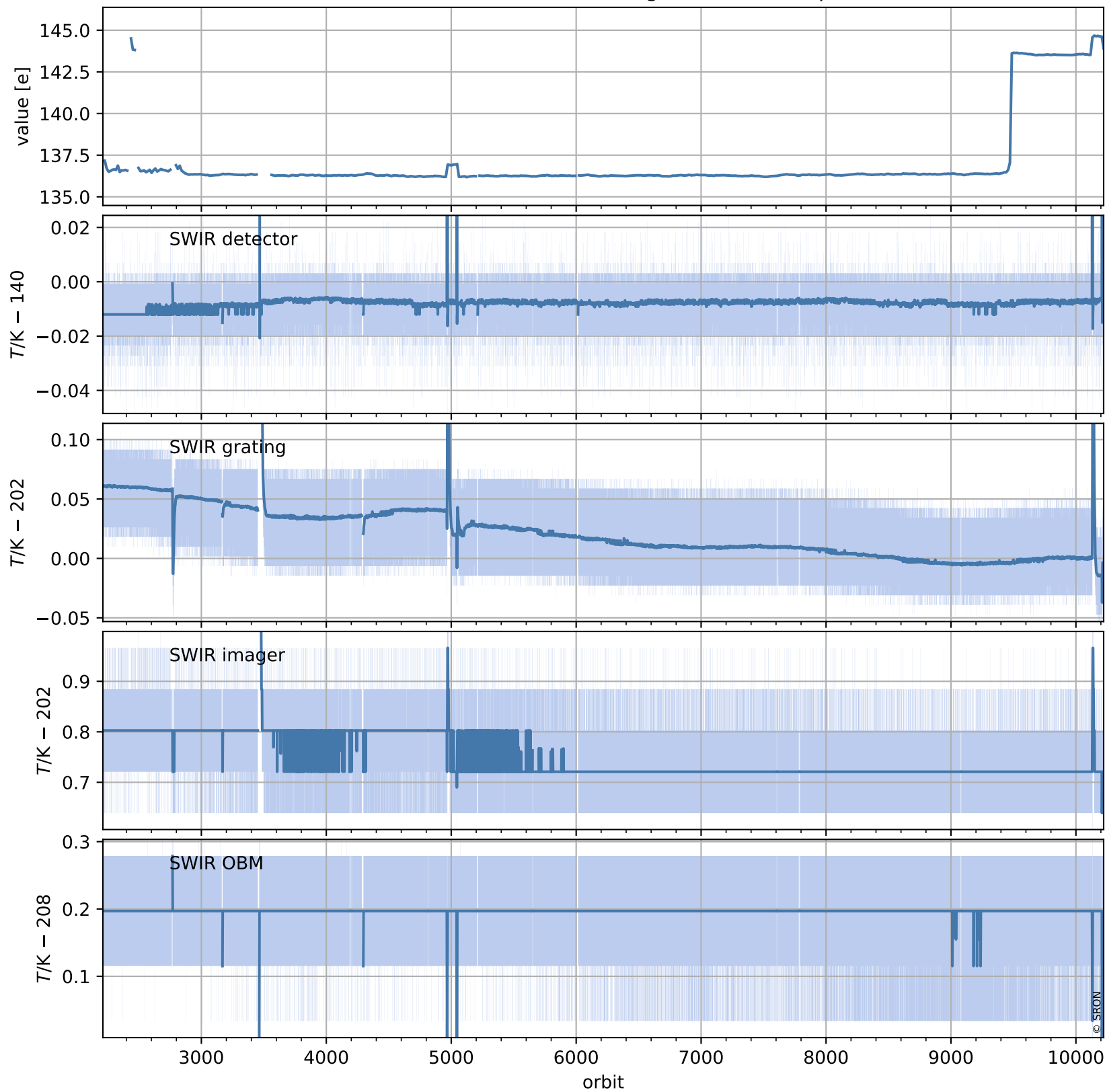
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10222]  
coverage : 2018-03-18 / 2019-10-03  
created : 2023-08-21T15:10:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10222]  
coverage : 2018-03-18 / 2019-10-03  
created : 2023-08-21T15:10:26

## trend of normalized read-noise & temperatures

