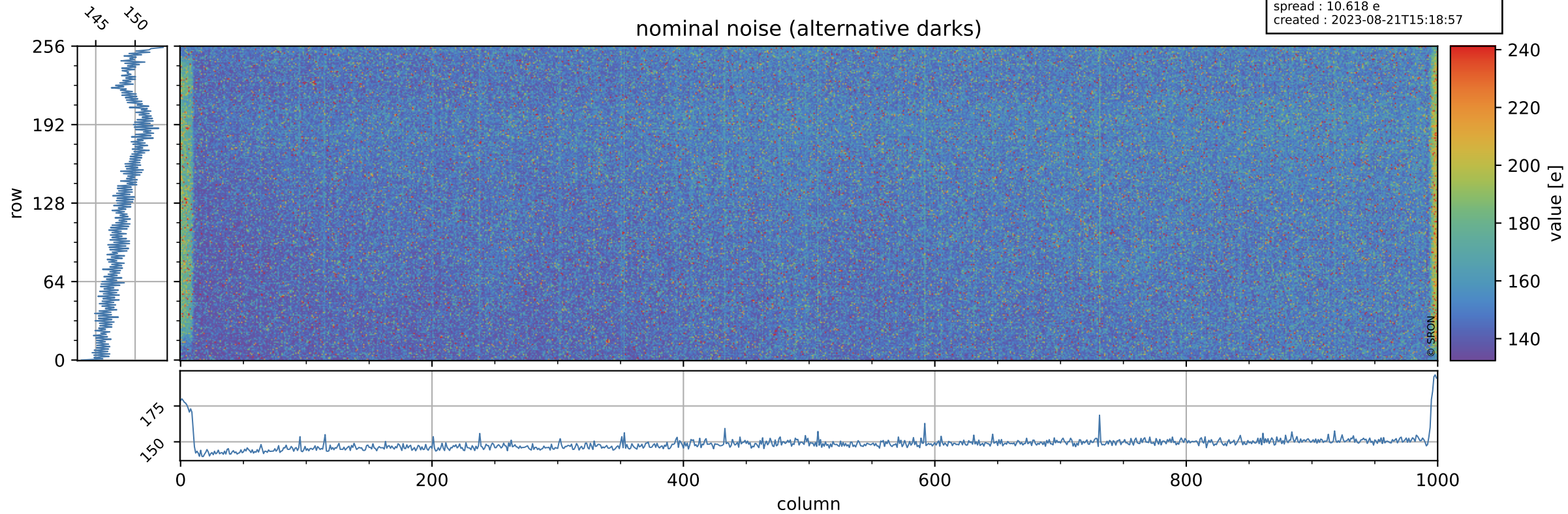


# Tropomi SWIR background noise (swir)

orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
n\_coad, t\_exp : 1, 1.0783  
median : 148.51 e  
spread : 10.618 e  
created : 2023-08-21T15:18:57

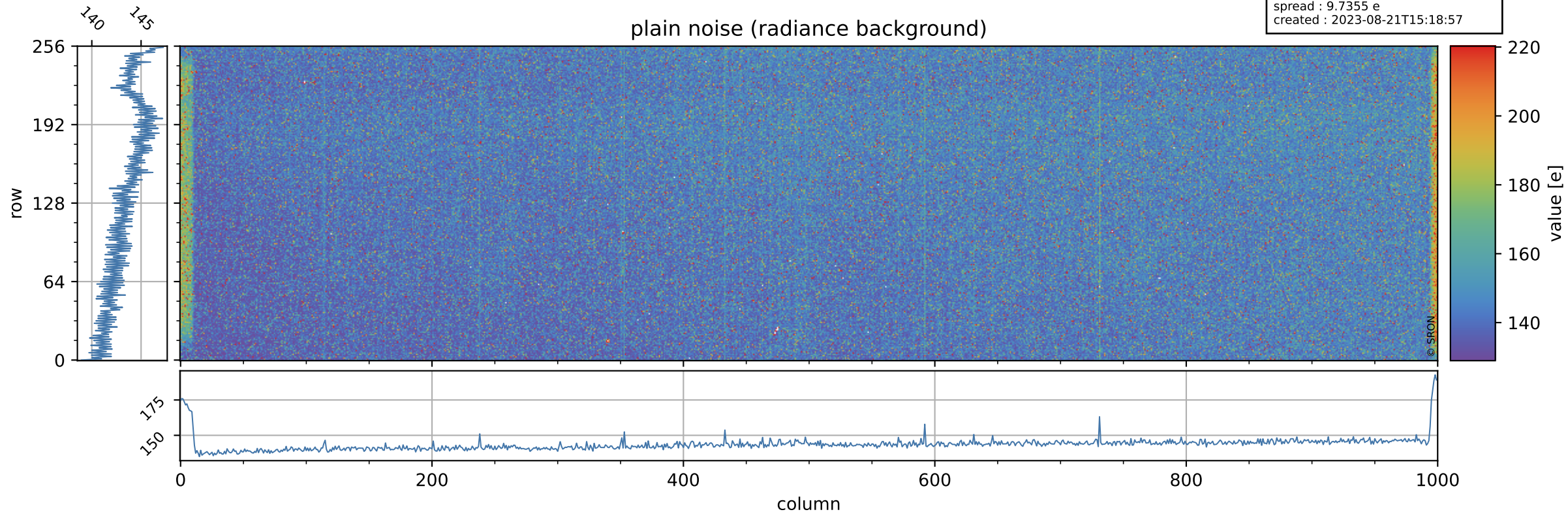
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7355 e  
created : 2023-08-21T15:18:57

plain noise (radiance background)

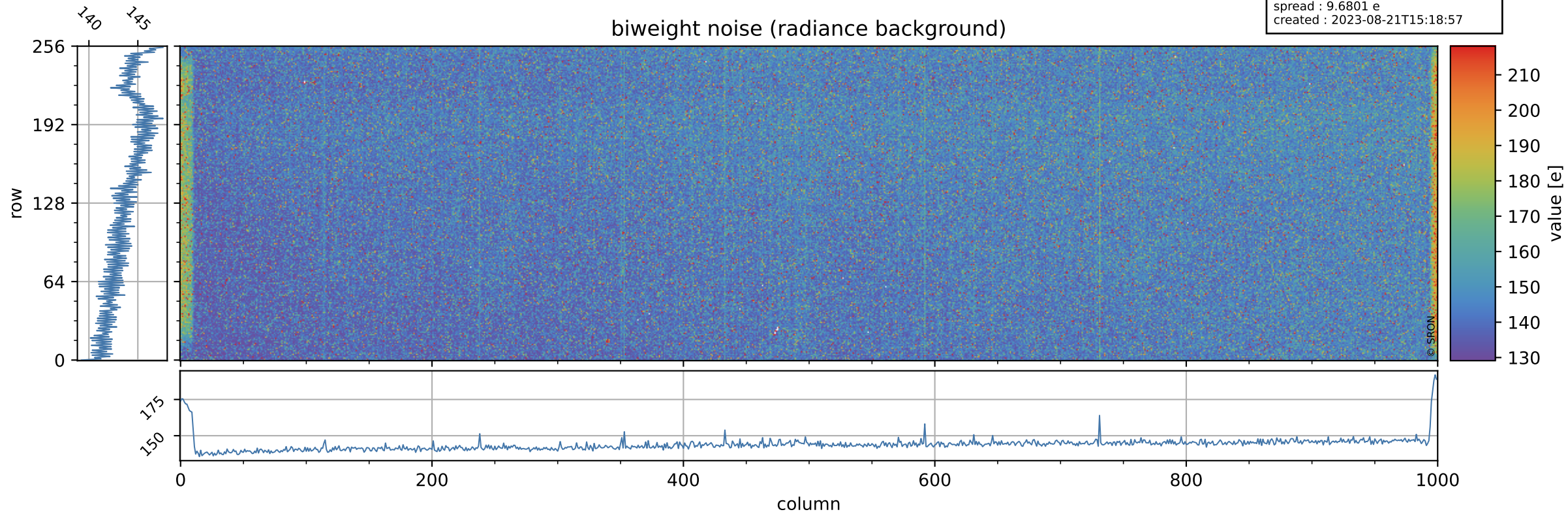




# Tropomi SWIR background noise (swir)

orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.6801 e  
created : 2023-08-21T15:18:57

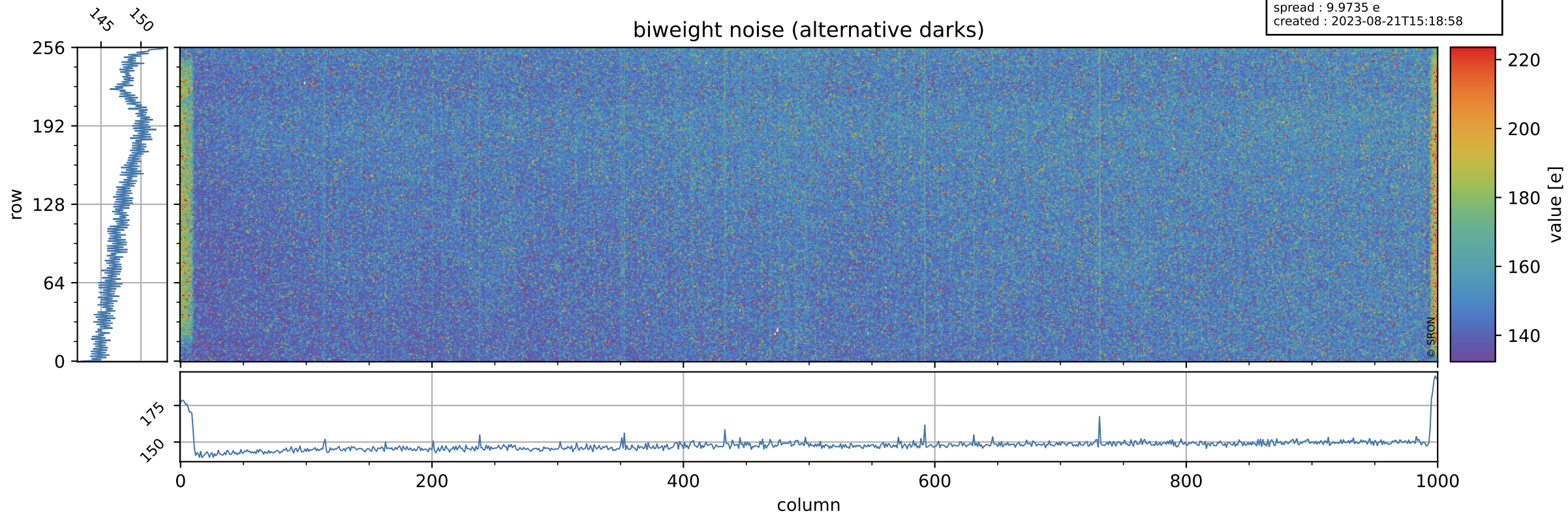
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 9.9735 e  
created : 2023-08-21T15:18:58

## biweight noise (alternative darks)

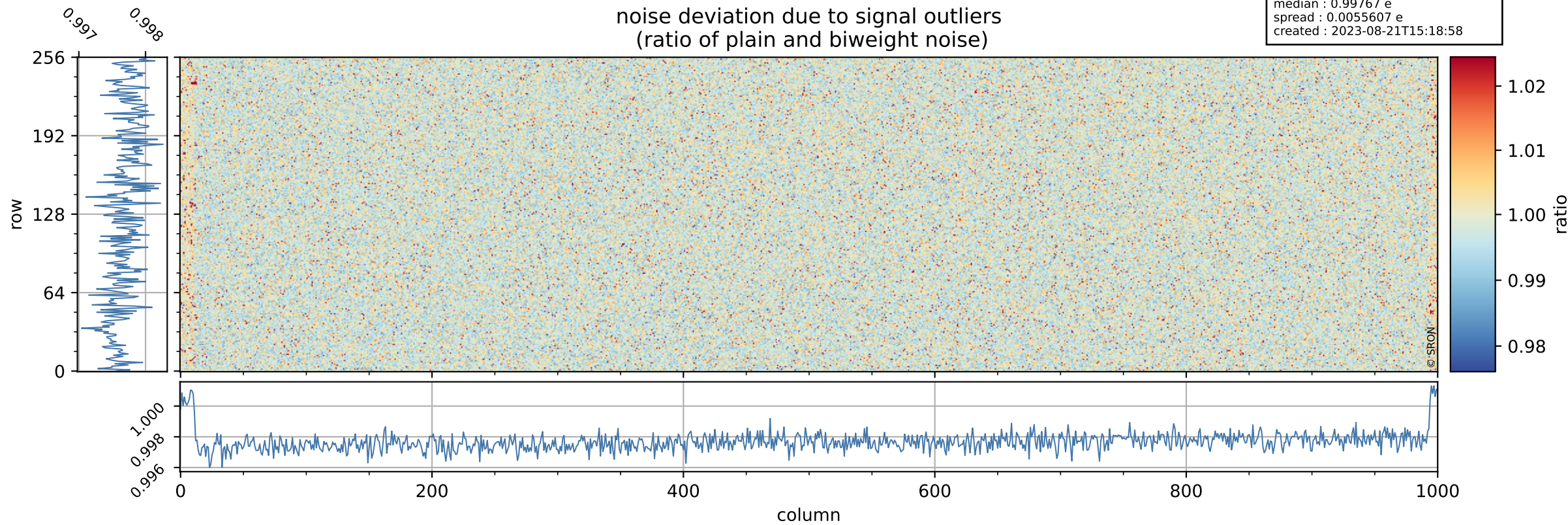




# Tropomi SWIR background noise (swir)

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

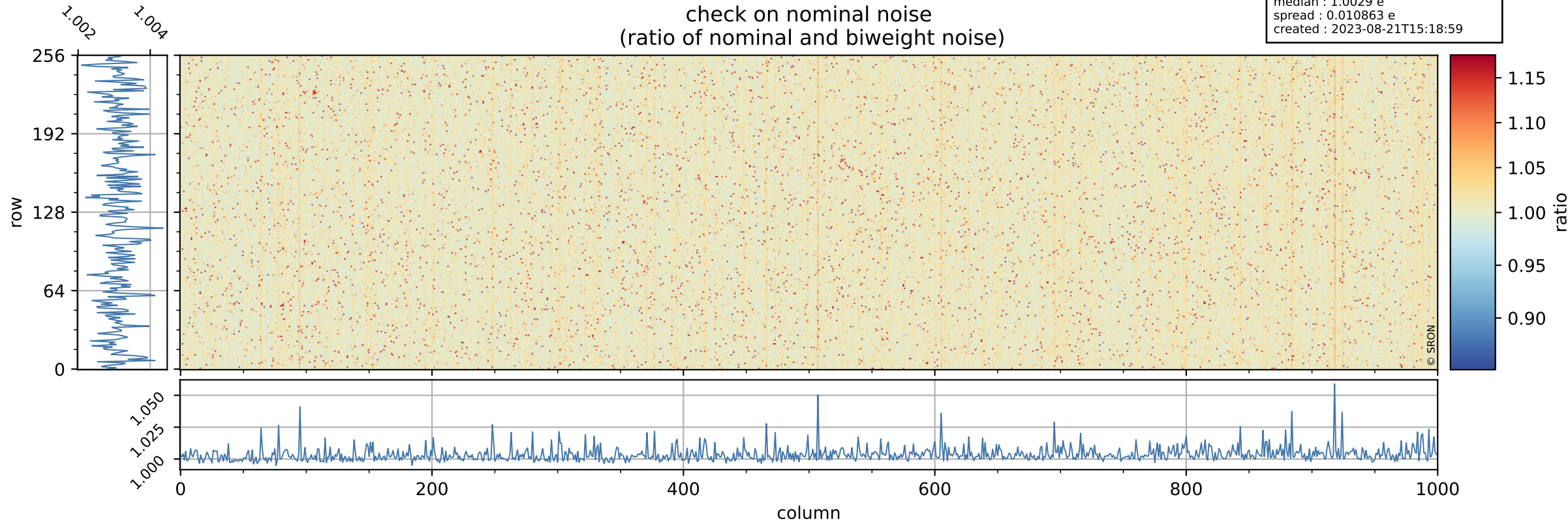
orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
median : 0.99767 e  
spread : 0.0055607 e  
created : 2023-08-21T15:18:58



# Tropomi SWIR background noise (swir)

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

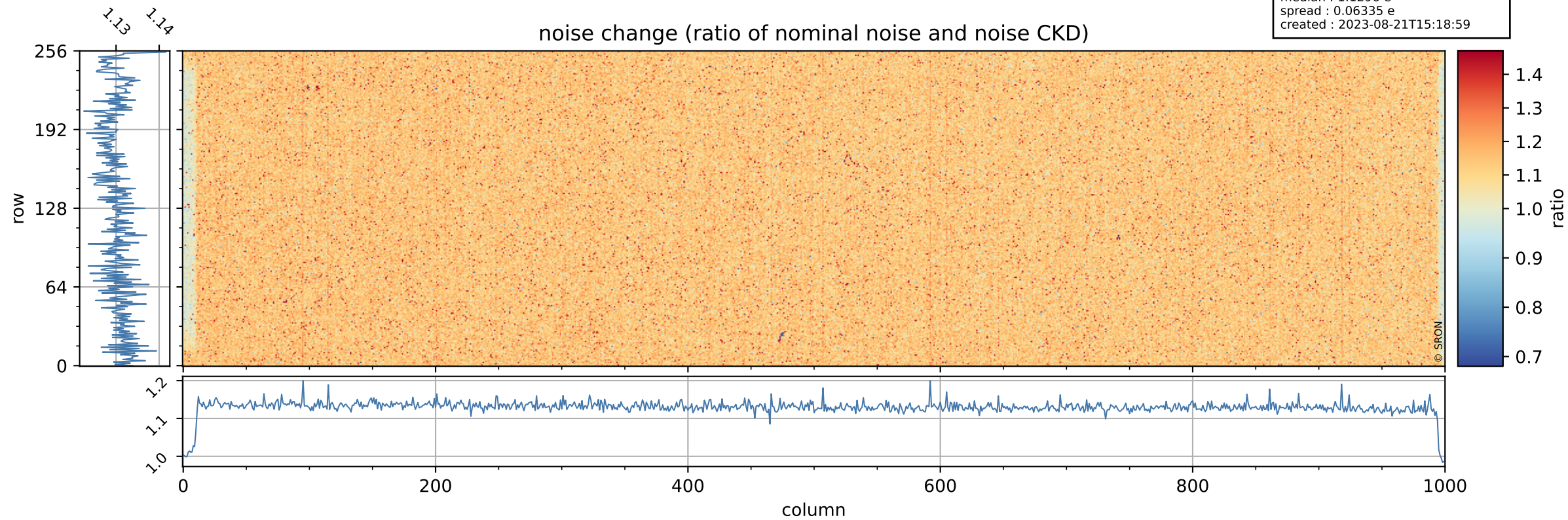
orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
median : 1.0029 e  
spread : 0.010863 e  
created : 2023-08-21T15:18:59





# Tropomi SWIR background noise (swir)

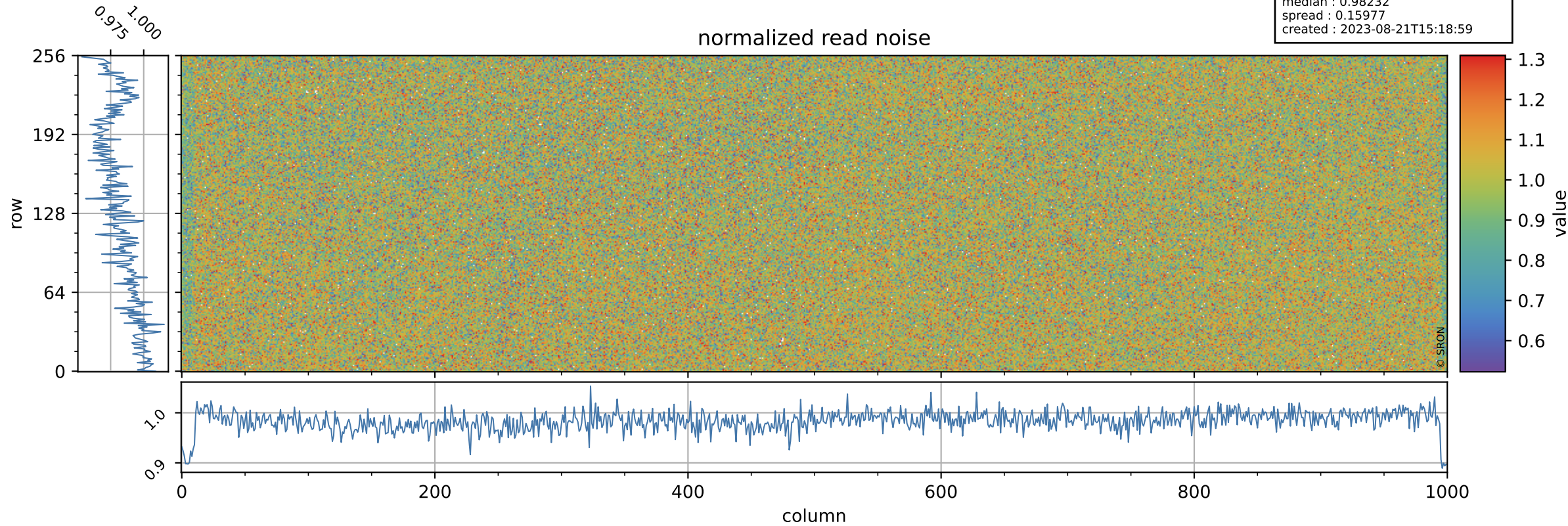
orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
median : 1.1296 e  
spread : 0.06335 e  
created : 2023-08-21T15:18:59





# Tropomi SWIR background noise (swir)

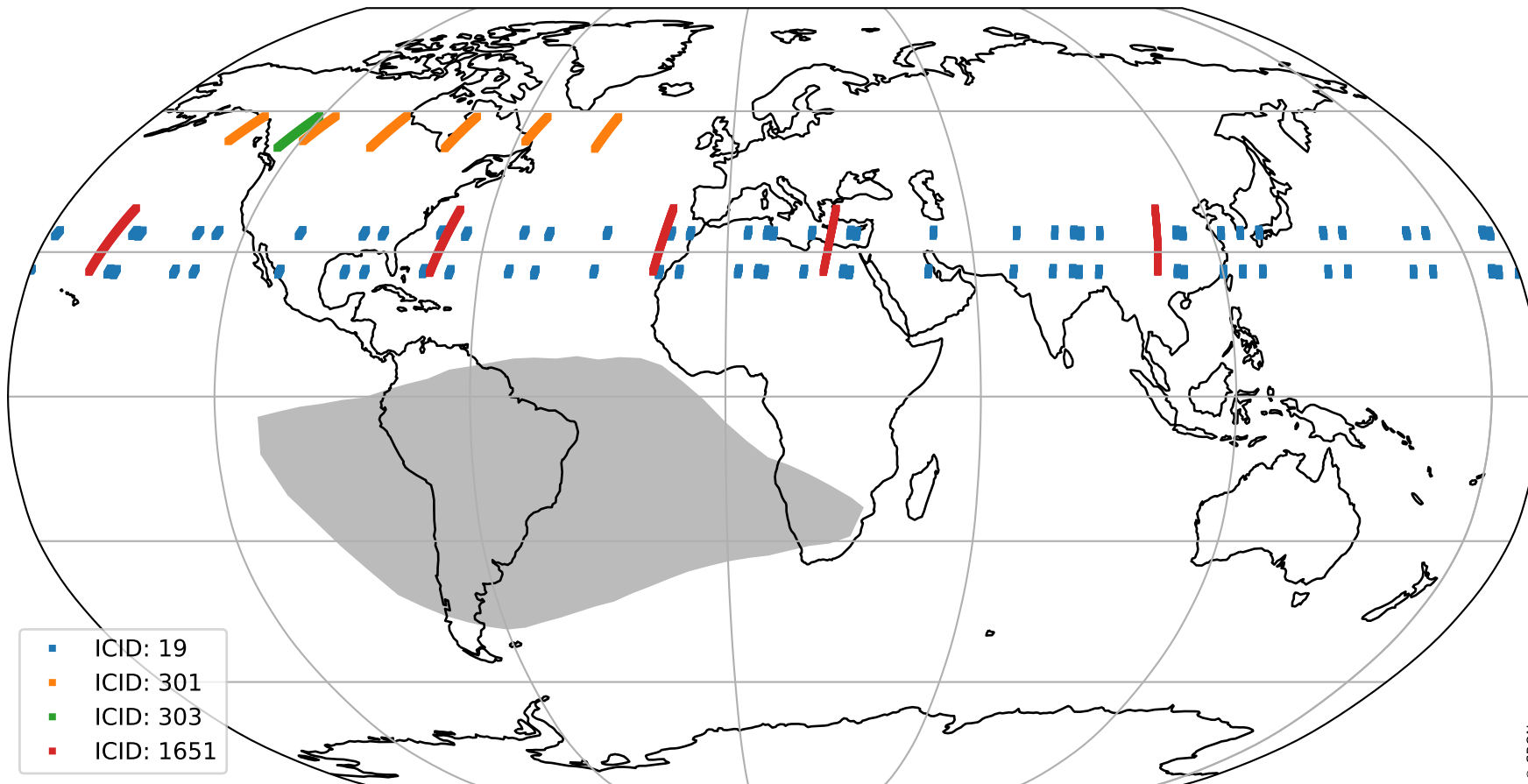
orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
median : 0.98232  
spread : 0.15977  
created : 2023-08-21T15:18:59





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

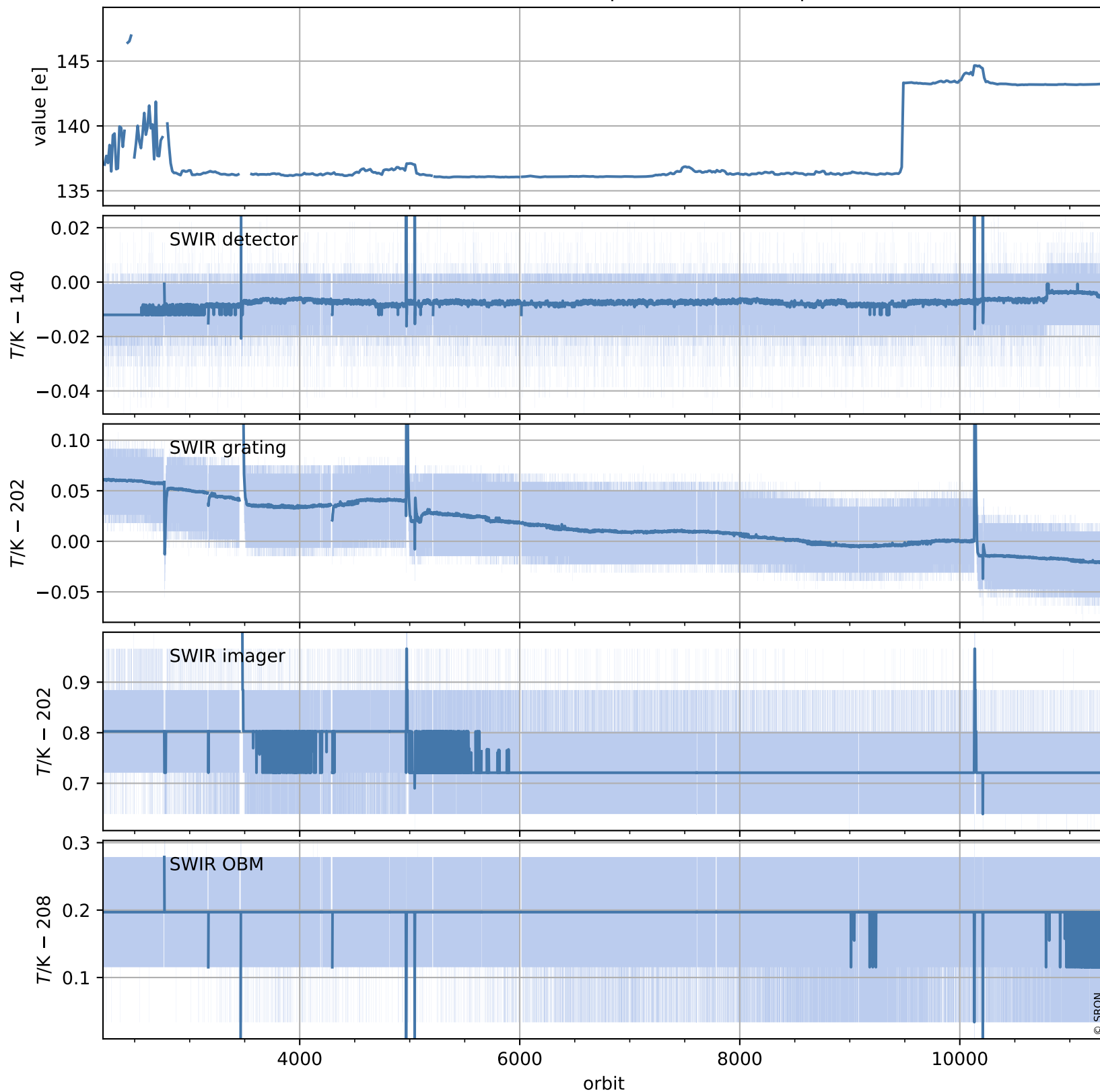
orbits : 12 in [11227, 11317]  
coverage : 2019-12-14 / 2019-12-20  
created : 2023-08-21T15:19:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 11317]  
coverage : 2018-03-18 / 2019-12-20  
created : 2023-08-21T15:19:00

## trend of detector median of plain noise & temperatures

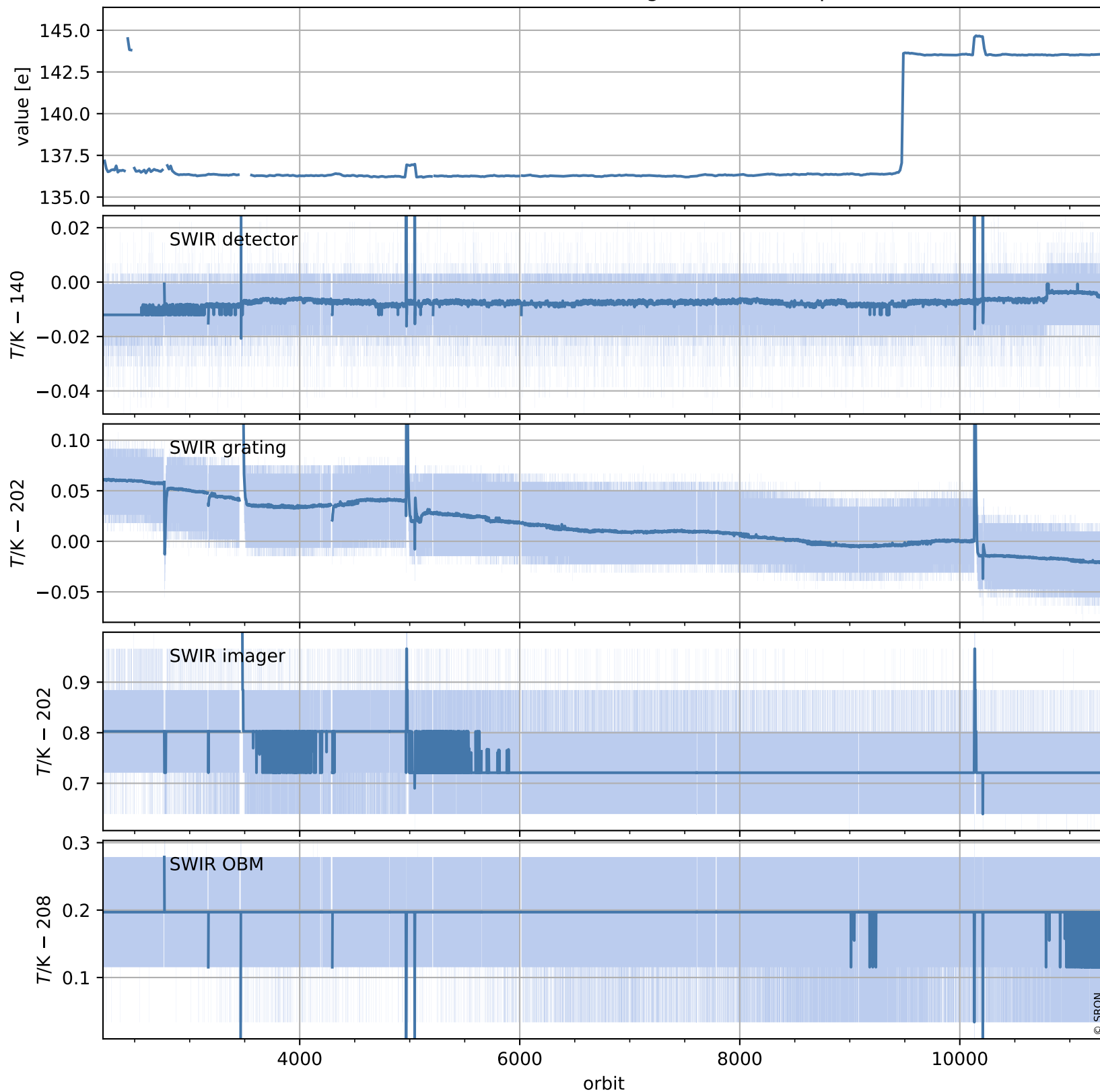




# Tropomi SWIR background noise (swir)

orbits : [2212, 11317]  
coverage : 2018-03-18 / 2019-12-20  
created : 2023-08-21T15:19:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11317]  
coverage : 2018-03-18 / 2019-12-20  
created : 2023-08-21T15:19:01

## trend of normalized read-noise & temperatures

