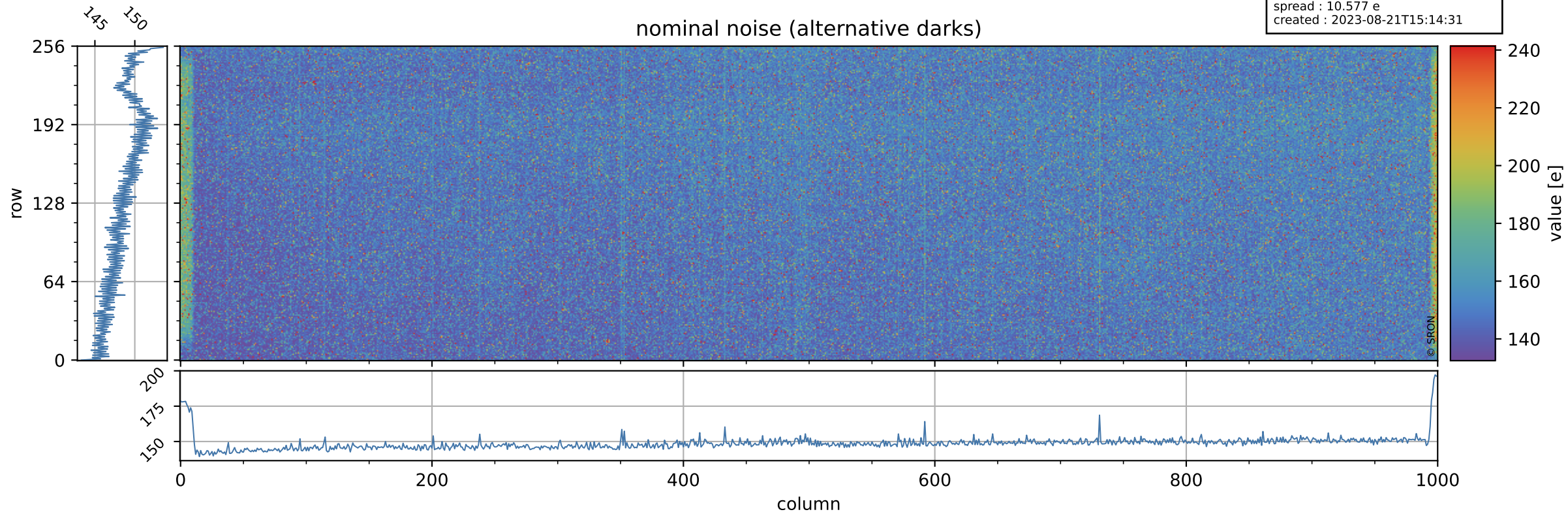


# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.577 e  
created : 2023-08-21T15:14:31

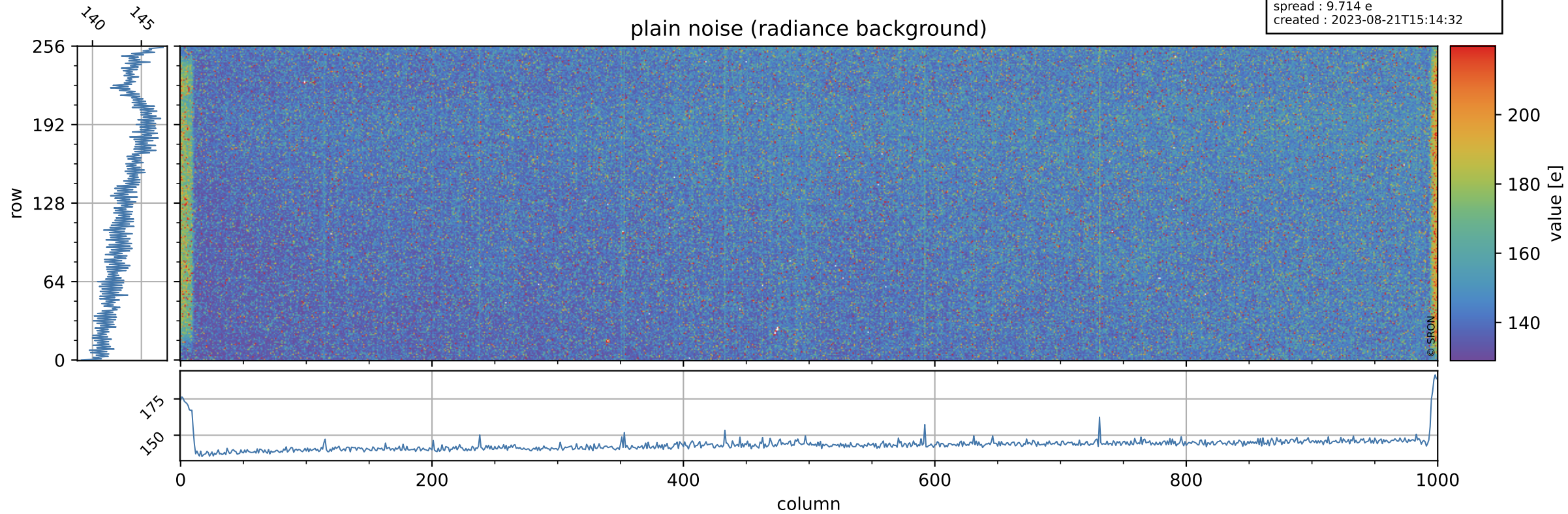
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.714 e  
created : 2023-08-21T15:14:32

plain noise (radiance background)

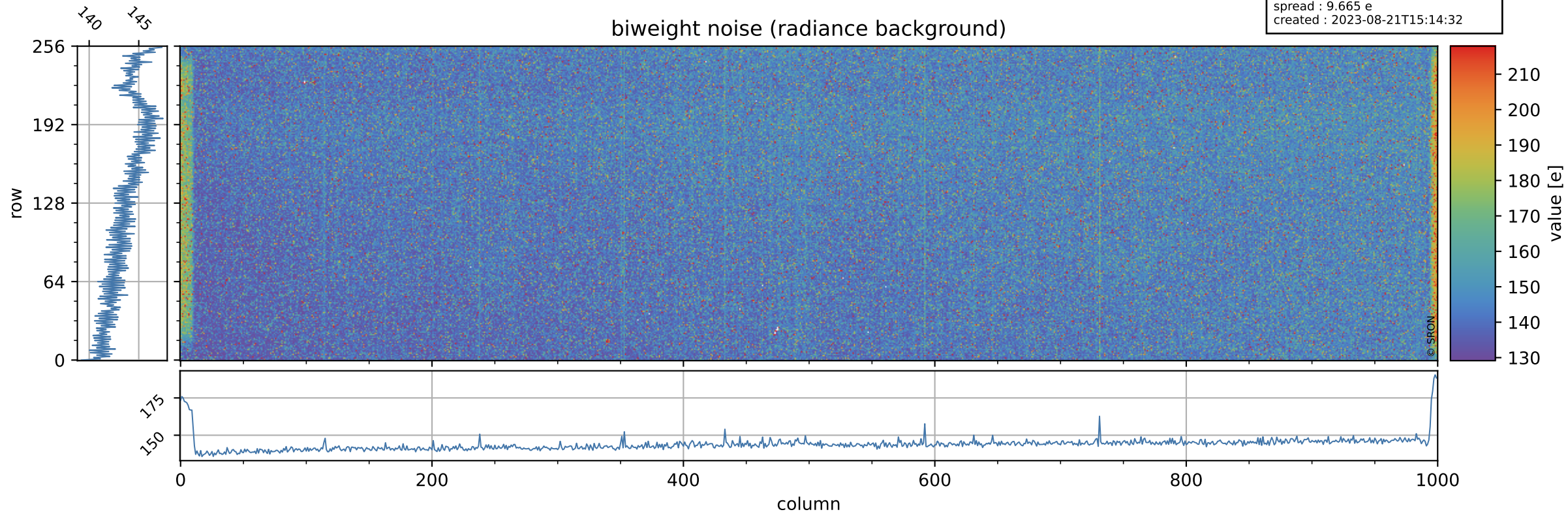




# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.665 e  
created : 2023-08-21T15:14:32

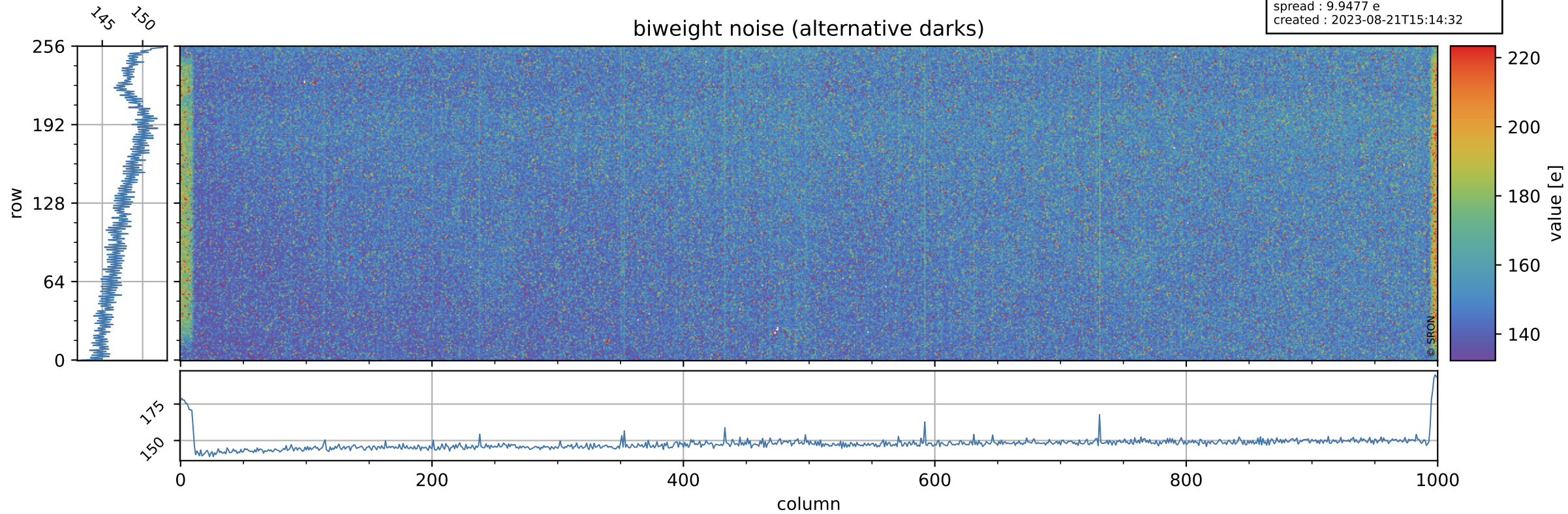
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 9.9477 e  
created : 2023-08-21T15:14:32

## biweight noise (alternative darks)

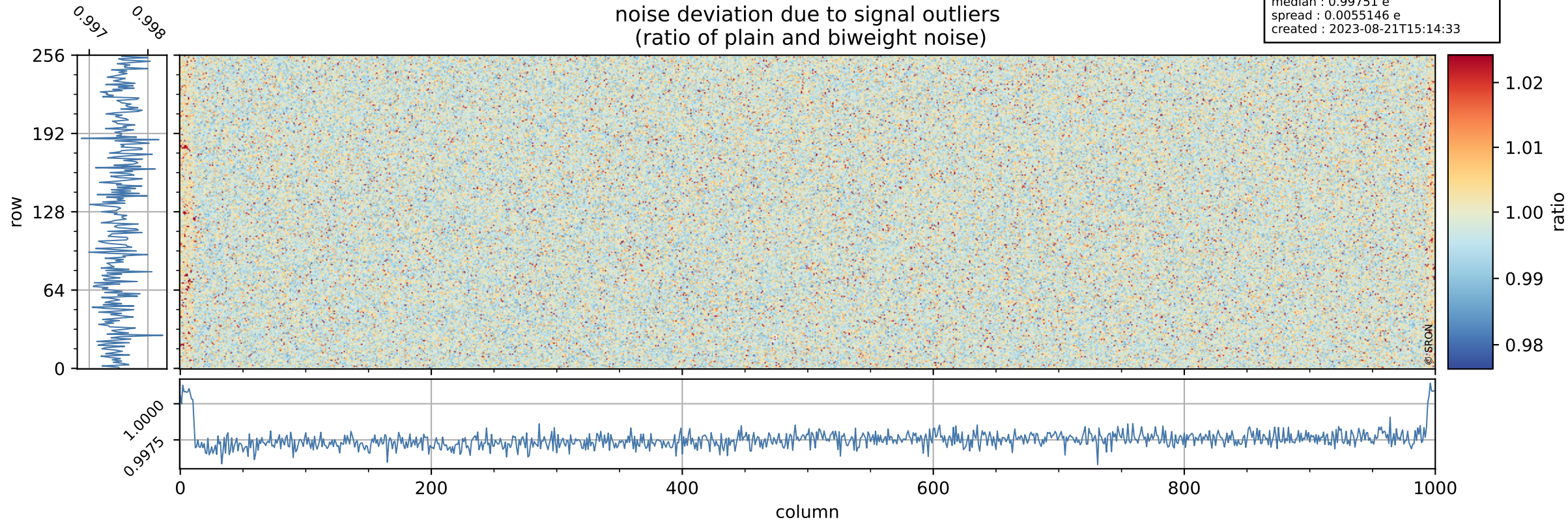




# Tropomi SWIR background noise (swir)

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

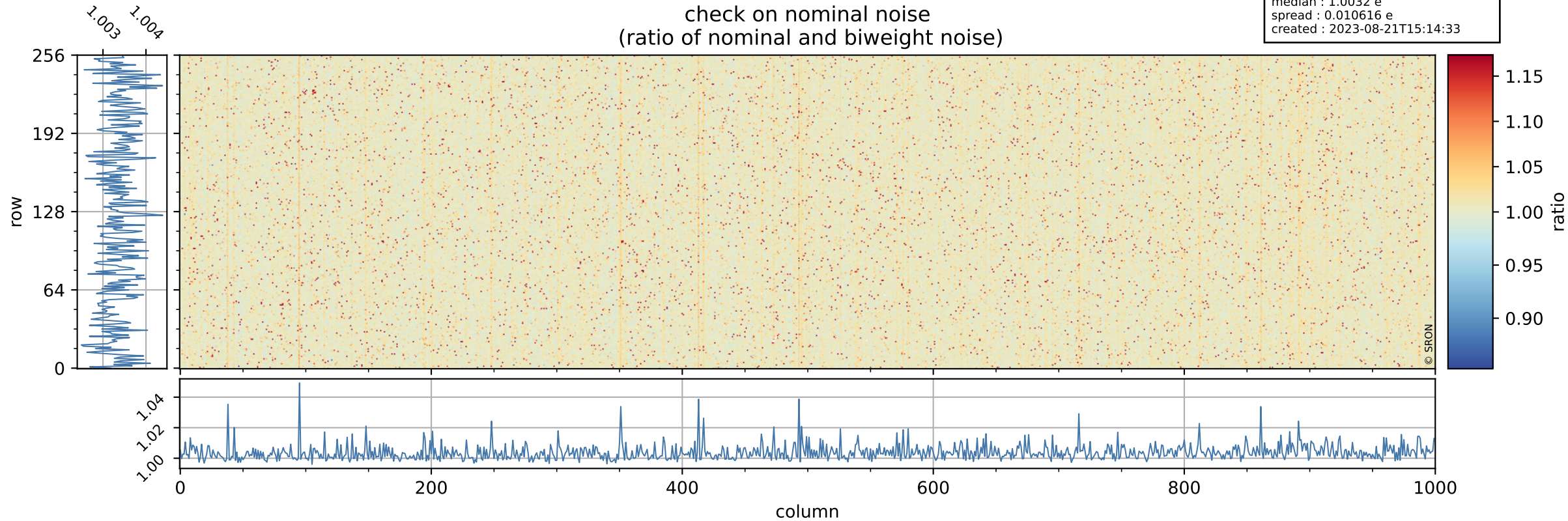
orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
median : 0.99751 e  
spread : 0.0055146 e  
created : 2023-08-21T15:14:33



# Tropomi SWIR background noise (swir)

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

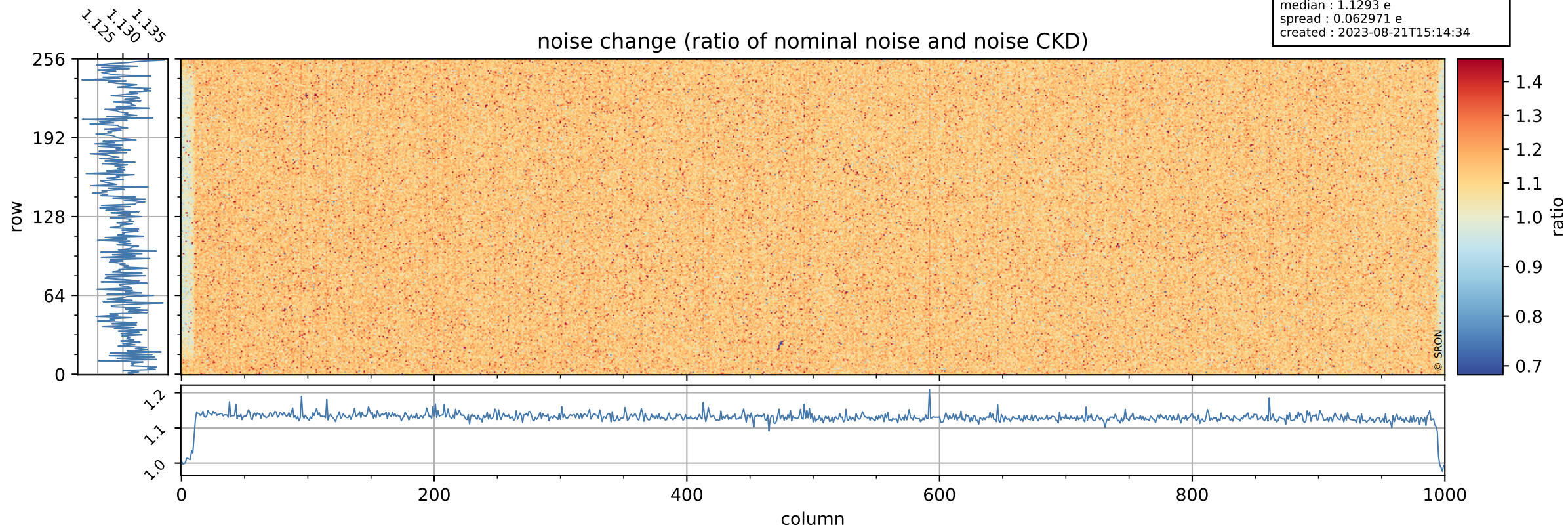
orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
median : 1.0032 e  
spread : 0.010616 e  
created : 2023-08-21T15:14:33





# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
median : 1.1293 e  
spread : 0.062971 e  
created : 2023-08-21T15:14:34

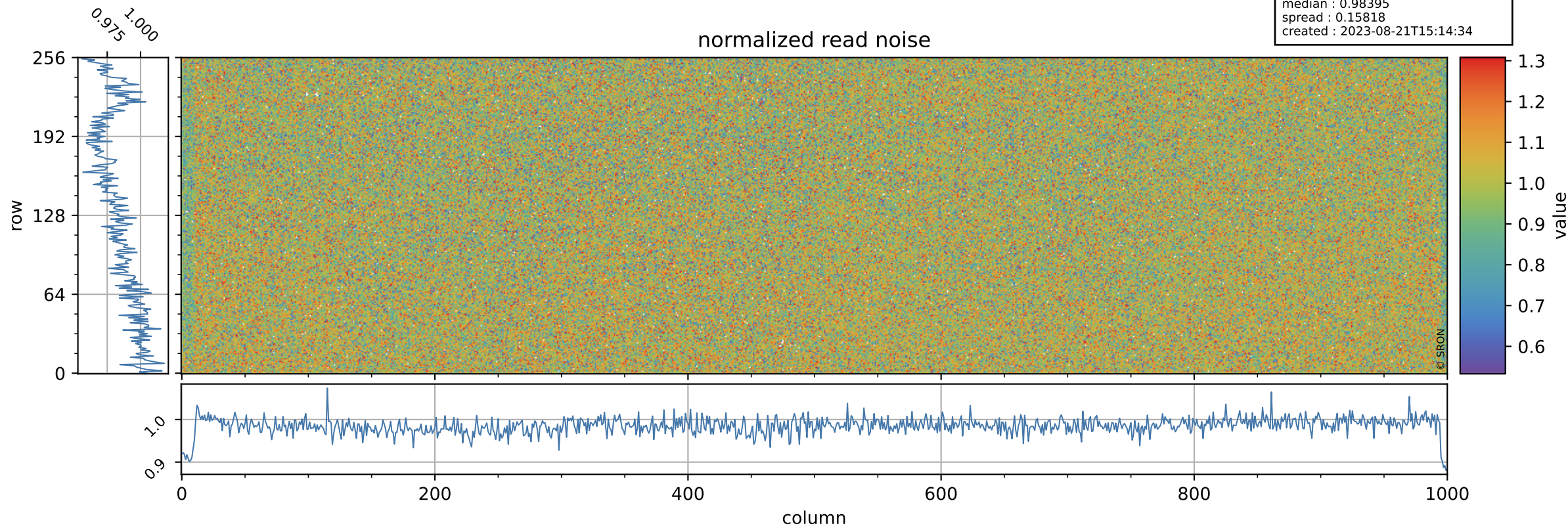




# Tropomi SWIR background noise (swir)

orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
median : 0.98395  
spread : 0.15818  
created : 2023-08-21T15:14:34

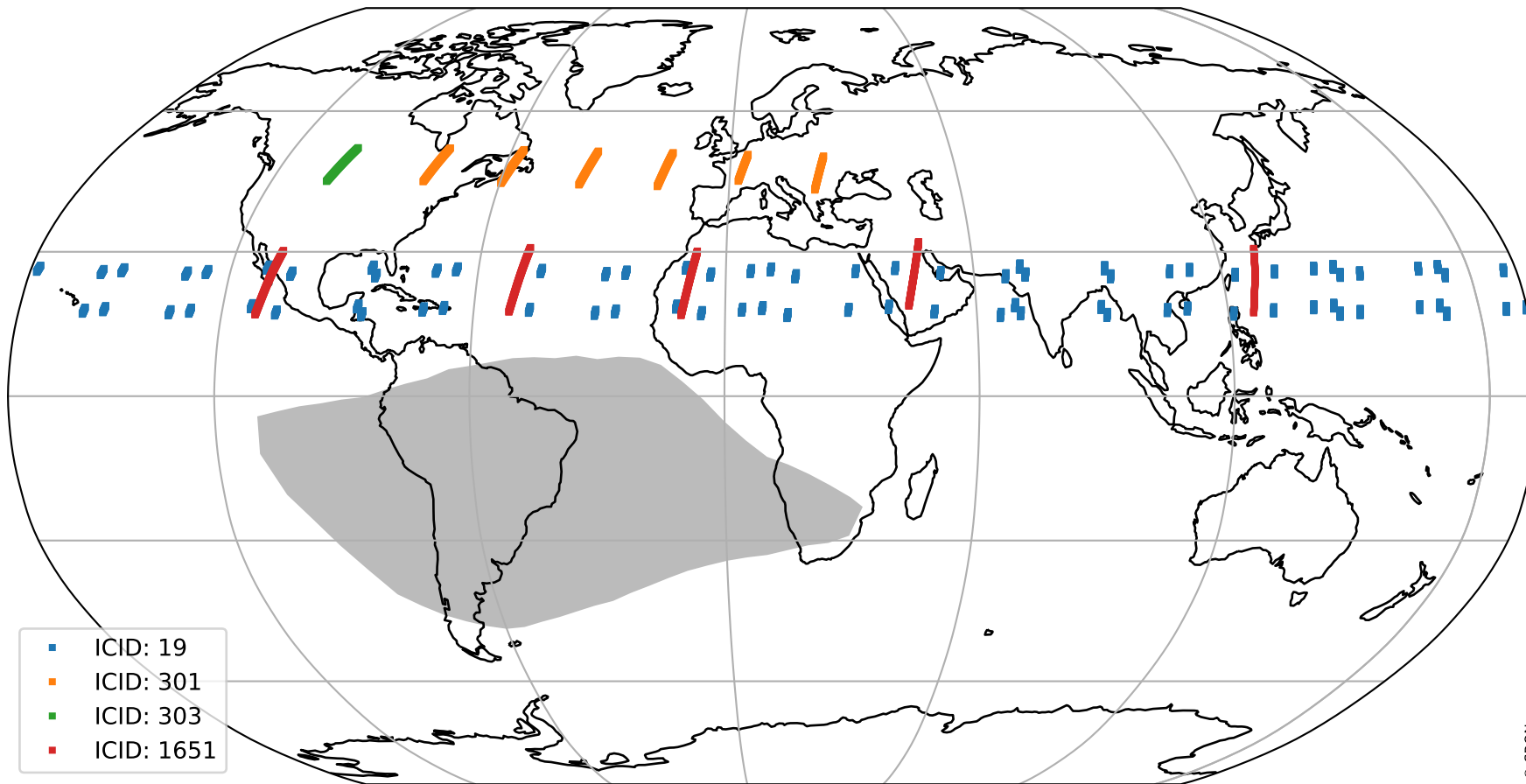
normalized read noise





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

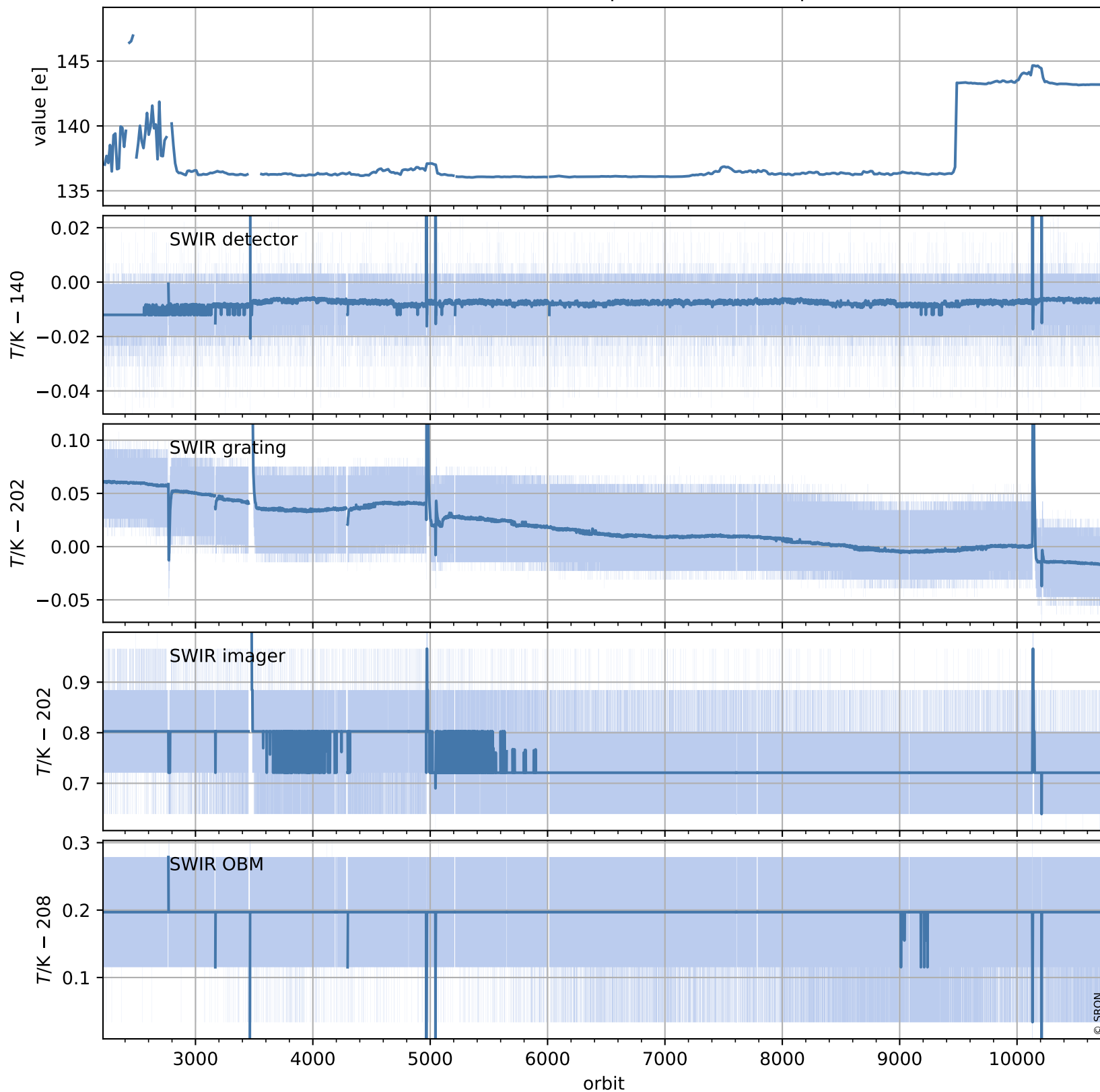
orbits : 12 in [10657, 10747]  
coverage : 2019-11-03 / 2019-11-09  
created : 2023-08-21T15:14:35



# Tropomi SWIR background noise (swir)

orbits : [2212, 10747]  
coverage : 2018-03-18 / 2019-11-09  
created : 2023-08-21T15:14:35

## trend of detector median of plain noise & temperatures

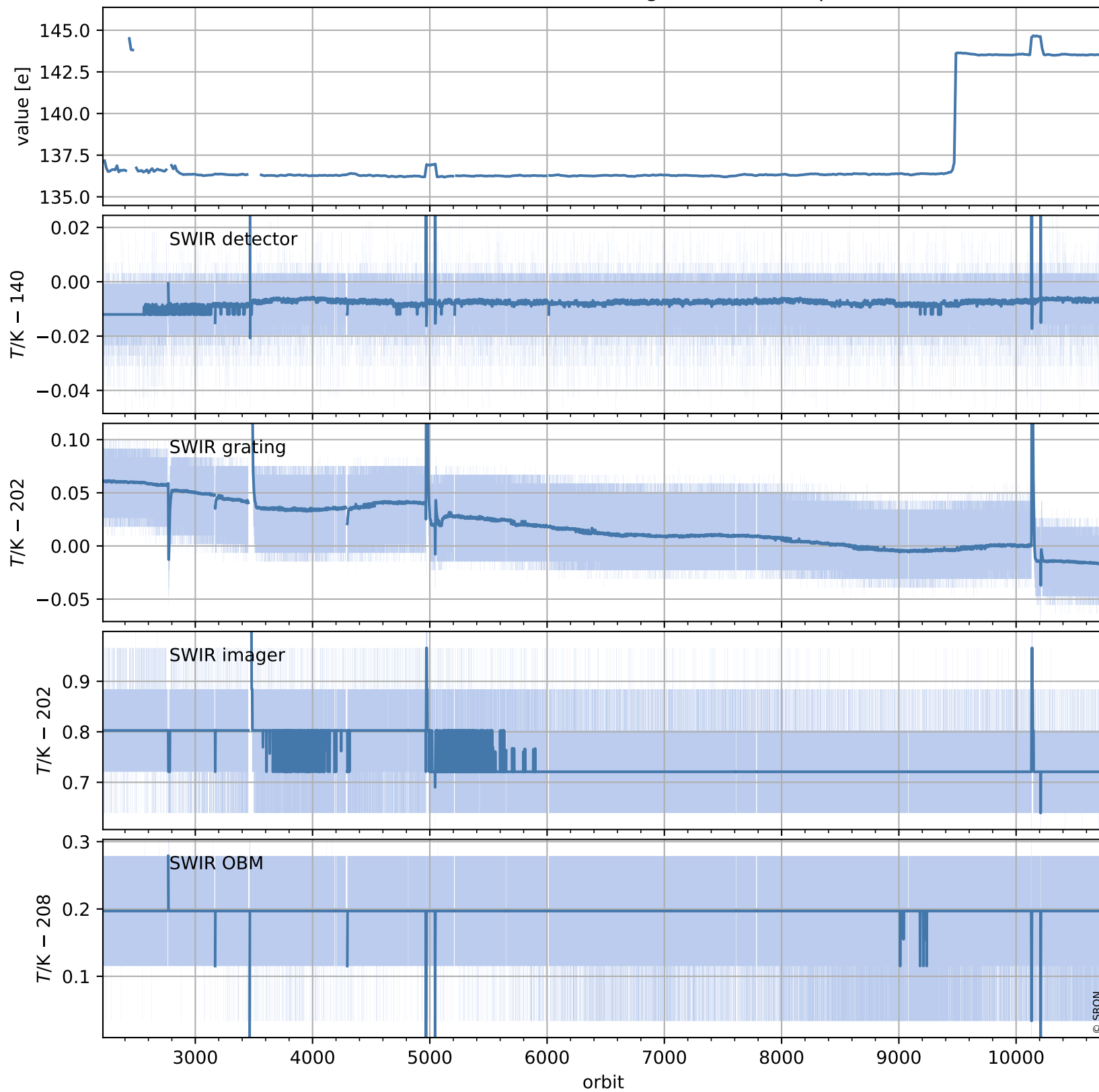




# Tropomi SWIR background noise (swir)

orbits : [2212, 10747]  
coverage : 2018-03-18 / 2019-11-09  
created : 2023-08-21T15:14:36

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10747]  
coverage : 2018-03-18 / 2019-11-09  
created : 2023-08-21T15:14:37

## trend of normalized read-noise & temperatures

