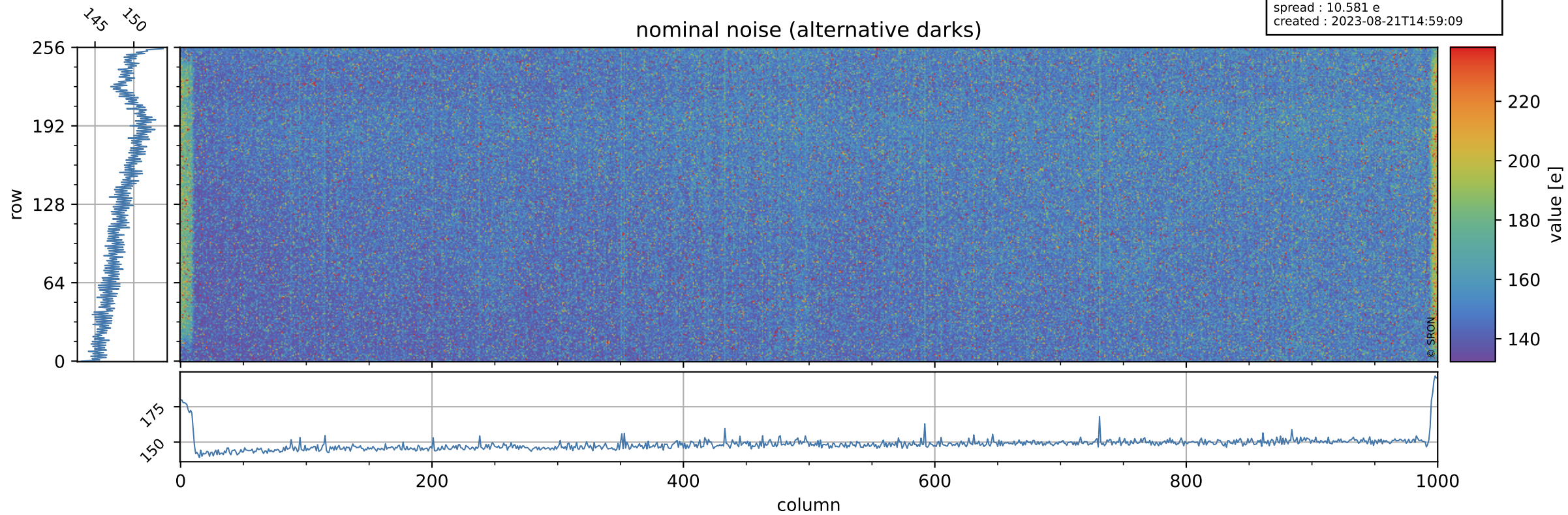


# Tropomi SWIR background noise (swir)

orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.4 e  
spread : 10.581 e  
created : 2023-08-21T14:59:09

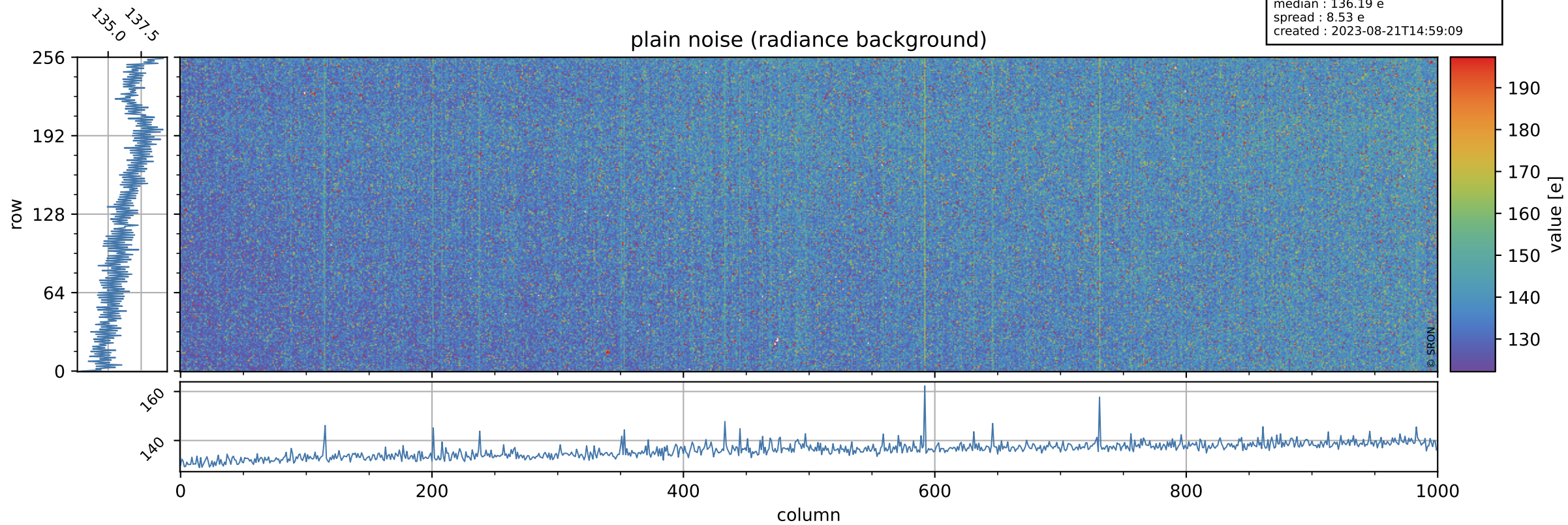
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.53 e  
created : 2023-08-21T14:59:09

plain noise (radiance background)

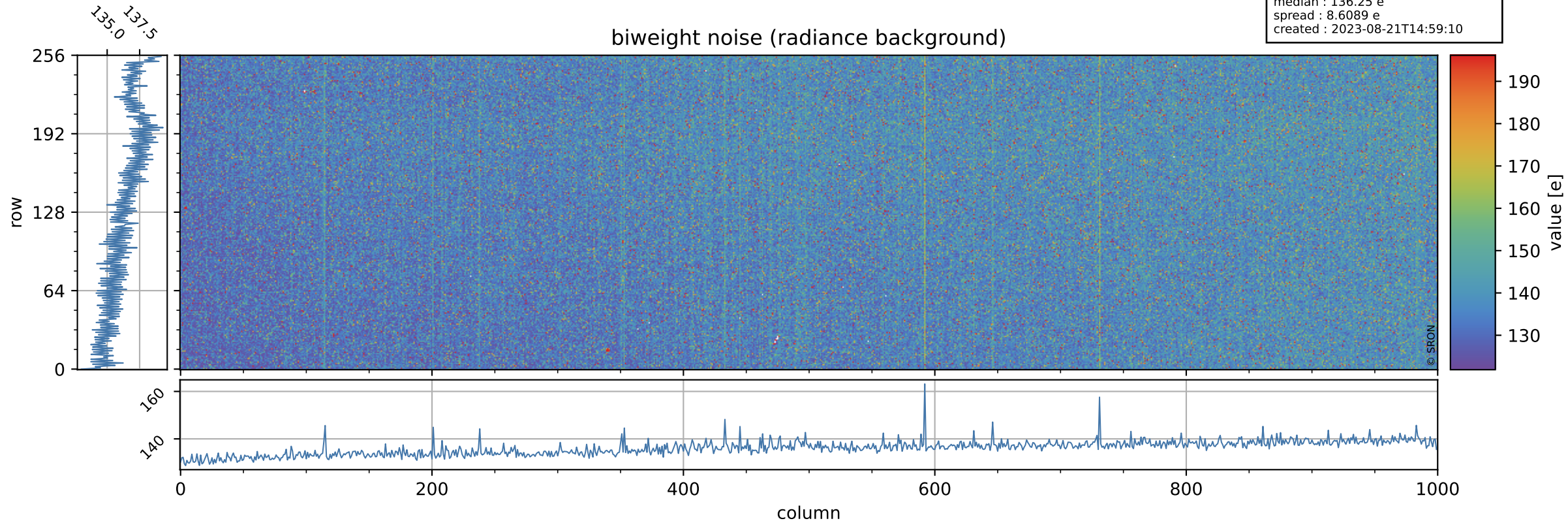




# Tropomi SWIR background noise (swir)

orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.6089 e  
created : 2023-08-21T14:59:10

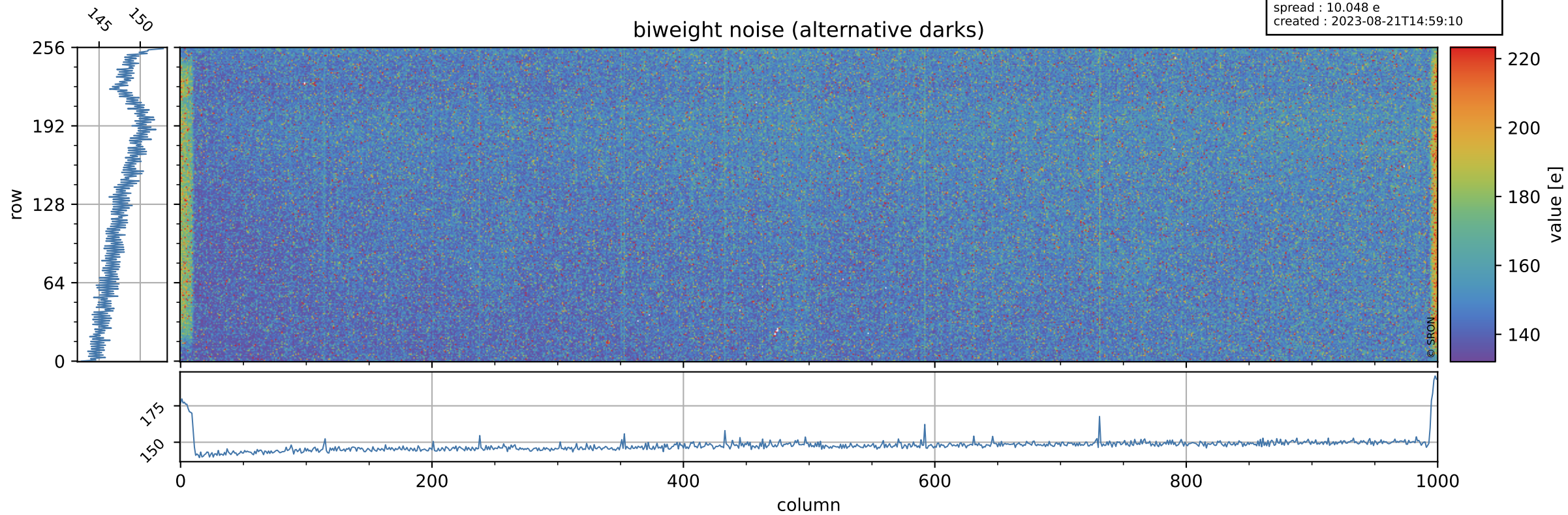
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.048 e  
created : 2023-08-21T14:59:10

## biweight noise (alternative darks)

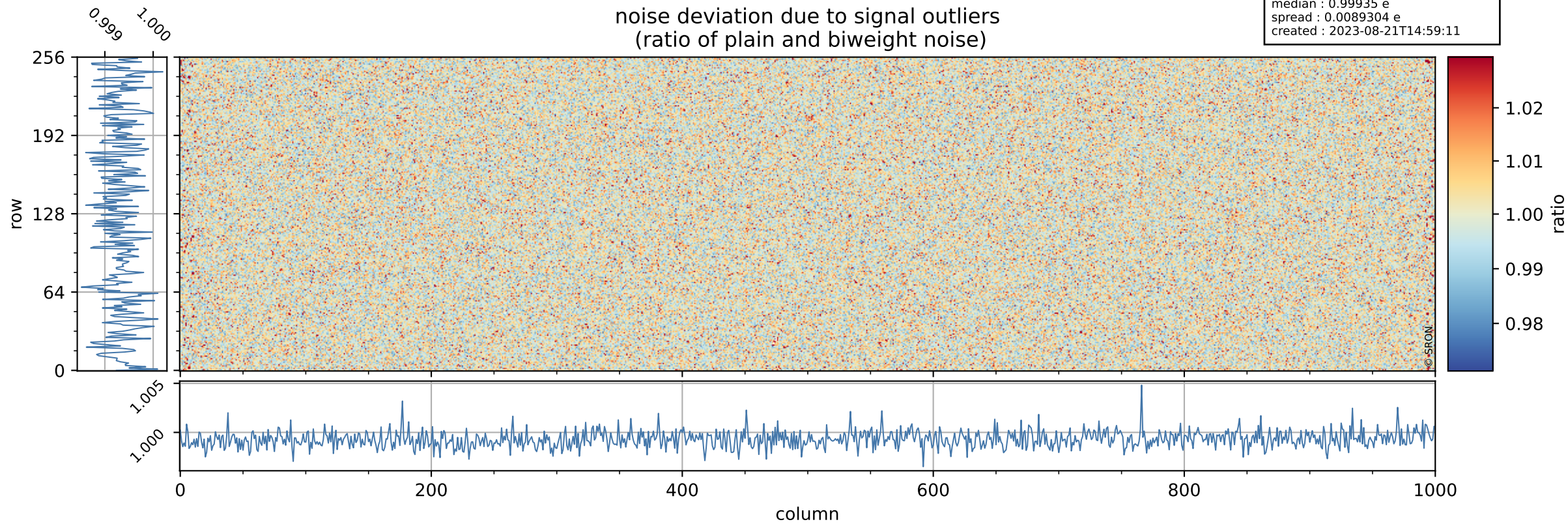




# Tropomi SWIR background noise (swir)

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

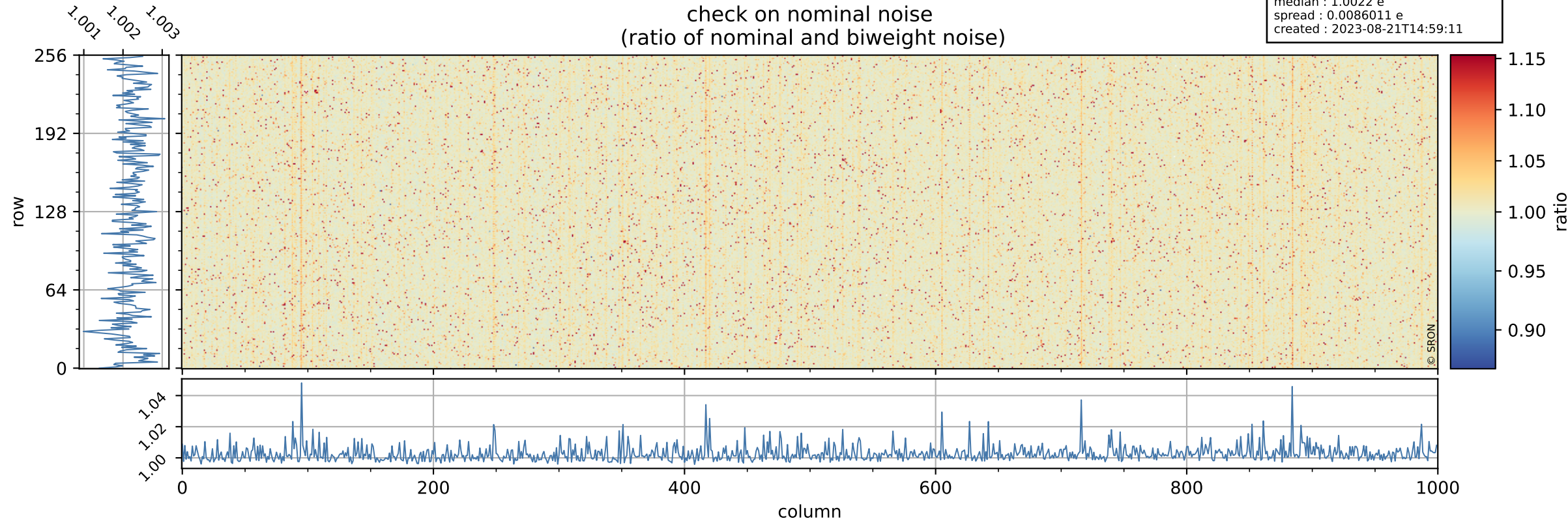
orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
median : 0.99935 e  
spread : 0.0089304 e  
created : 2023-08-21T14:59:11



# Tropomi SWIR background noise (swir)

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

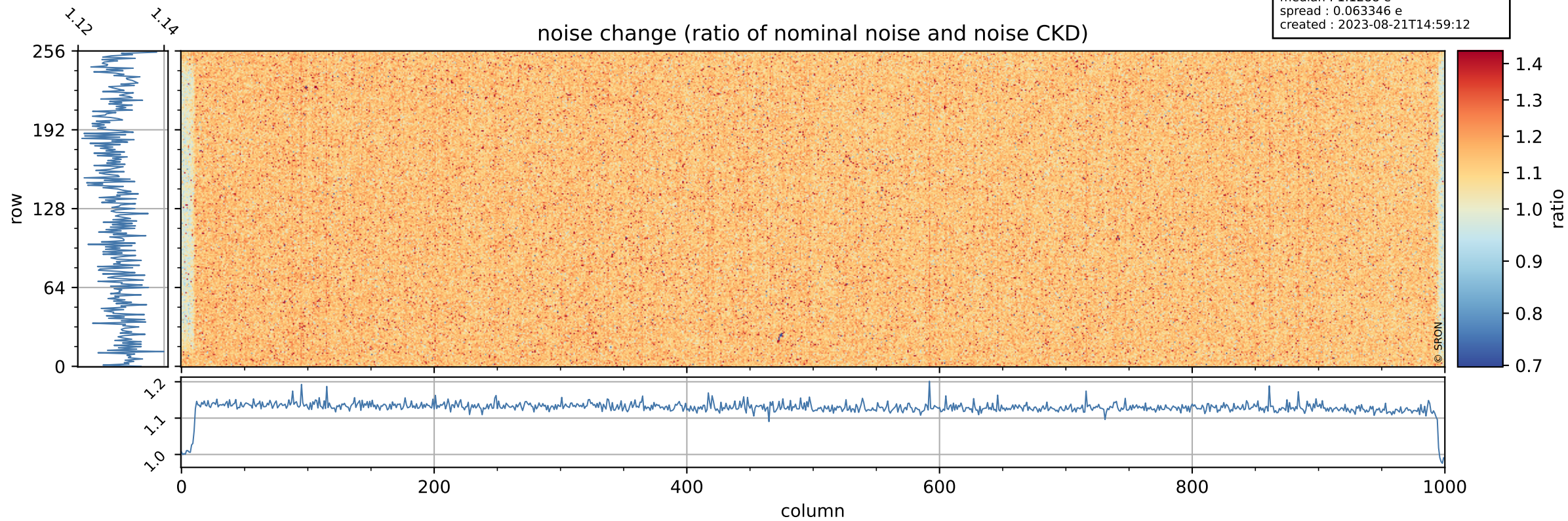
orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
median : 1.0022 e  
spread : 0.0086011 e  
created : 2023-08-21T14:59:11





# Tropomi SWIR background noise (swir)

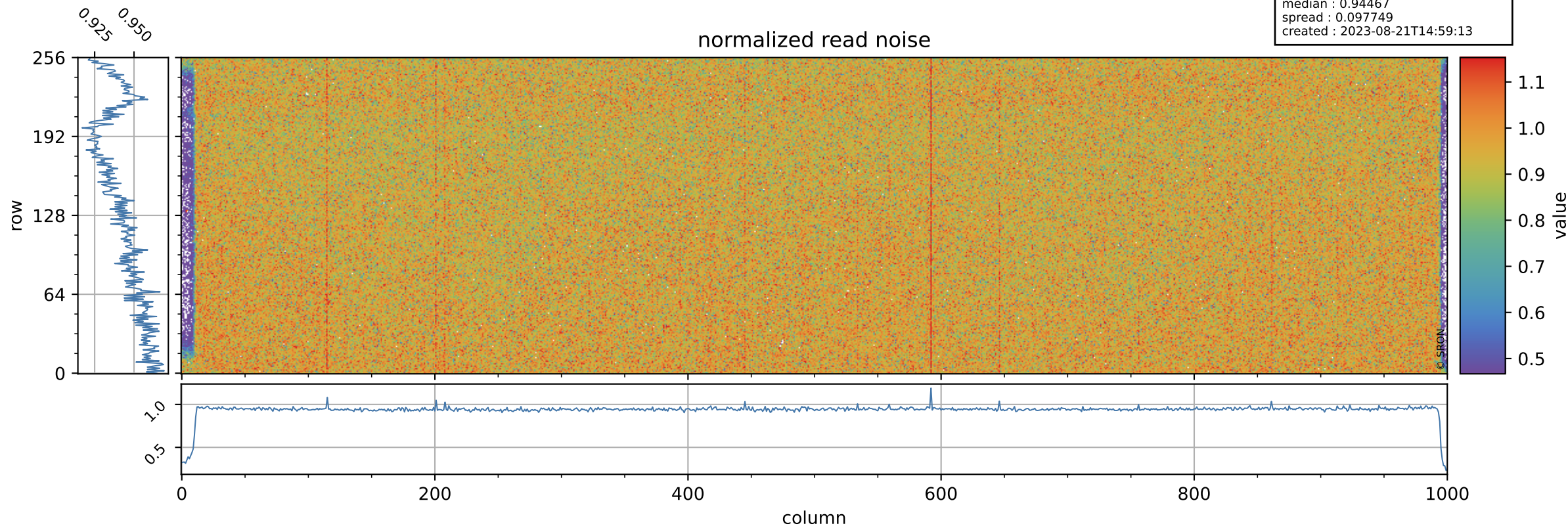
orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
median : 1.1288 e  
spread : 0.063346 e  
created : 2023-08-21T14:59:12



# Tropomi SWIR background noise (swir)

orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
median : 0.94467  
spread : 0.097749  
created : 2023-08-21T14:59:13

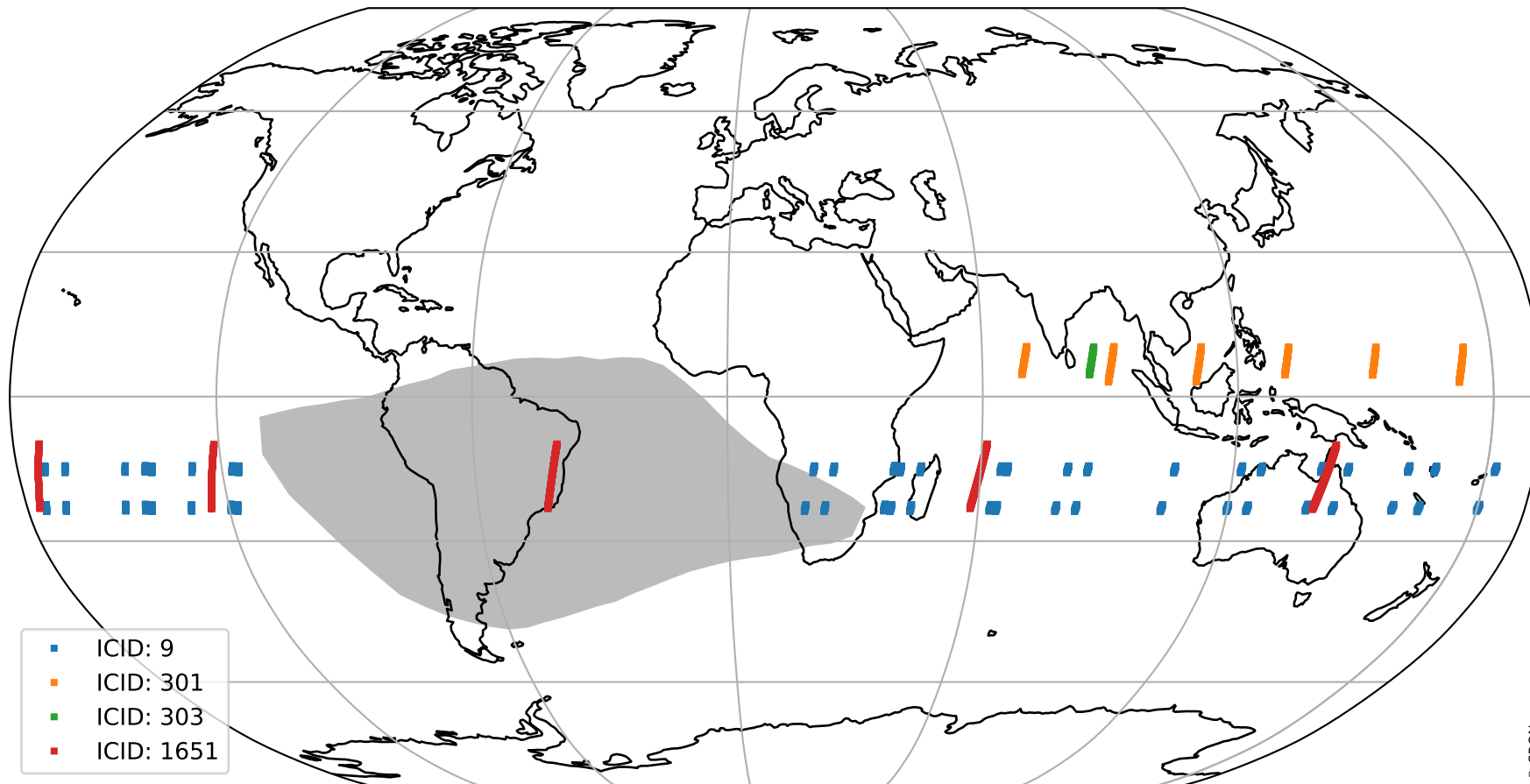
## normalized read noise





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

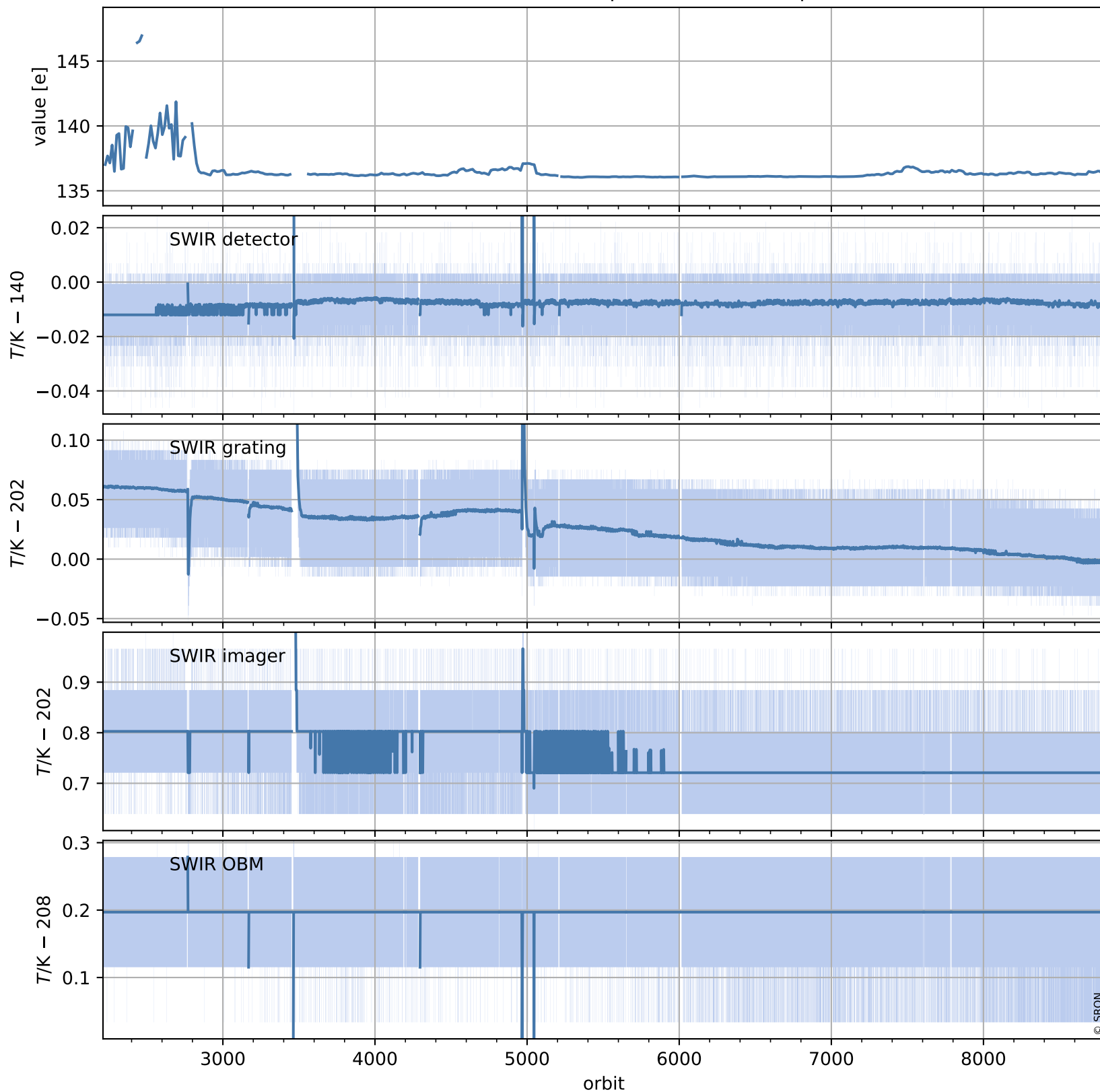
orbits : 12 in [8707, 8797]  
coverage : 2019-06-19 / 2019-06-25  
created : 2023-08-21T14:59:13



# Tropomi SWIR background noise (swir)

orbits : [2212, 8797]  
coverage : 2018-03-18 / 2019-06-25  
created : 2023-08-21T14:59:14

## trend of detector median of plain noise & temperatures

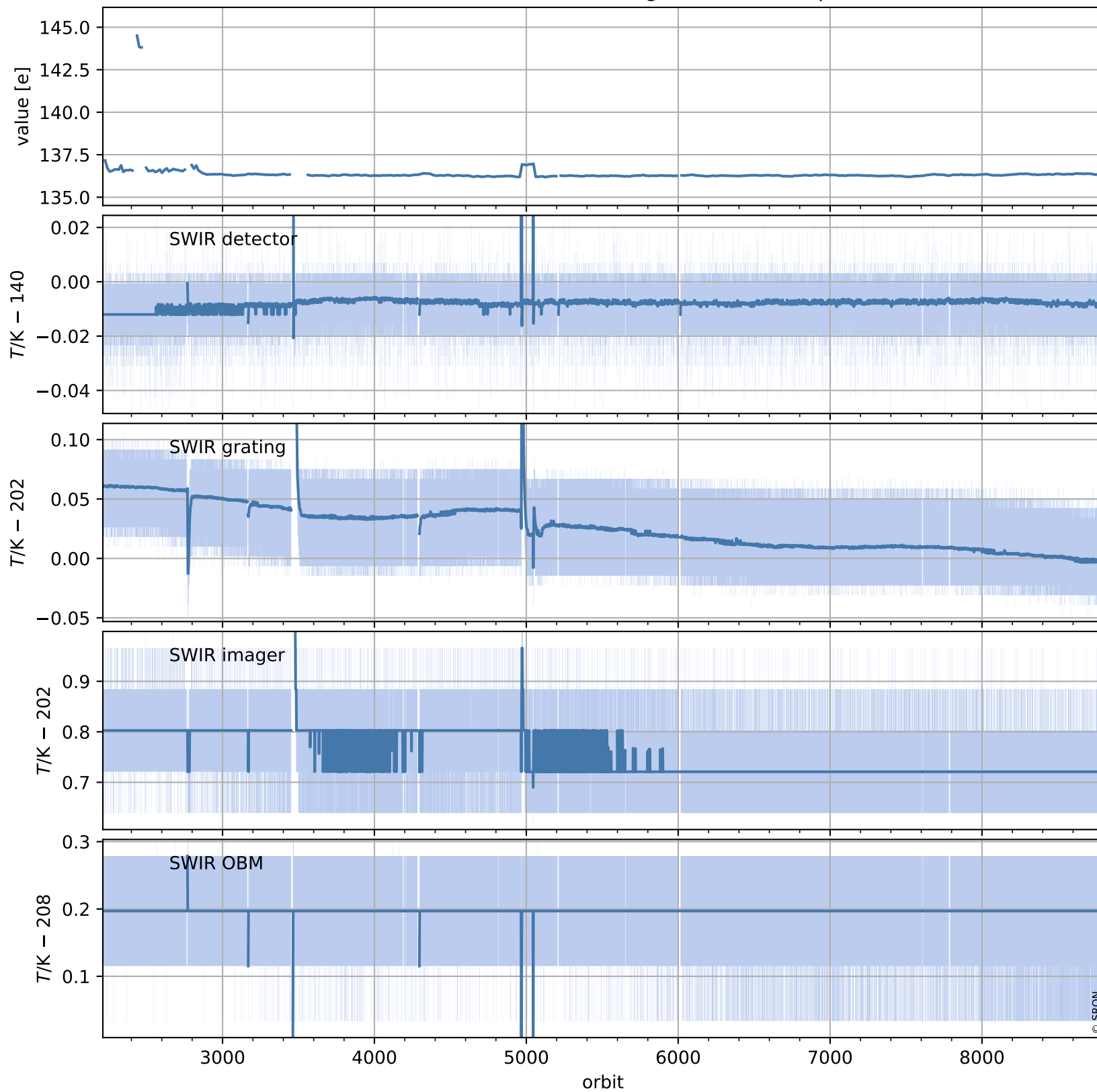




# Tropomi SWIR background noise (swir)

orbits : [2212, 8797]  
coverage : 2018-03-18 / 2019-06-25  
created : 2023-08-21T14:59:14

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8797]  
coverage : 2018-03-18 / 2019-06-25  
created : 2023-08-21T14:59:15

## trend of normalized read-noise & temperatures

