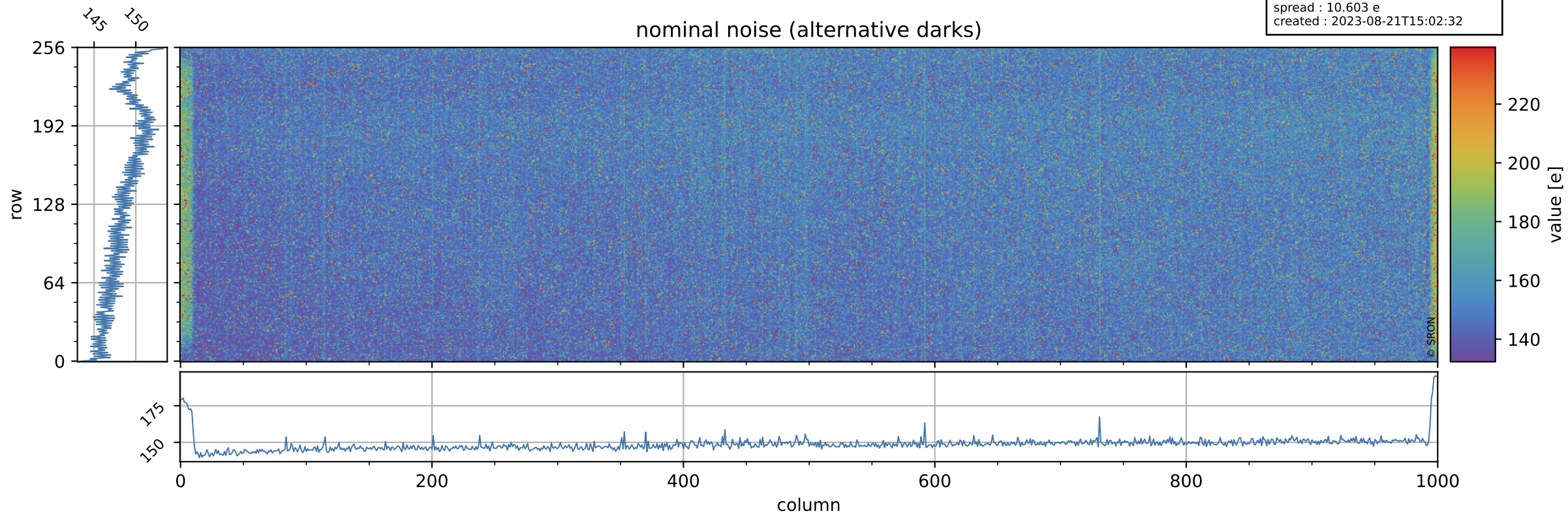


# Tropomi SWIR background noise (swir)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.5 e  
spread : 10.603 e  
created : 2023-08-21T15:02:32

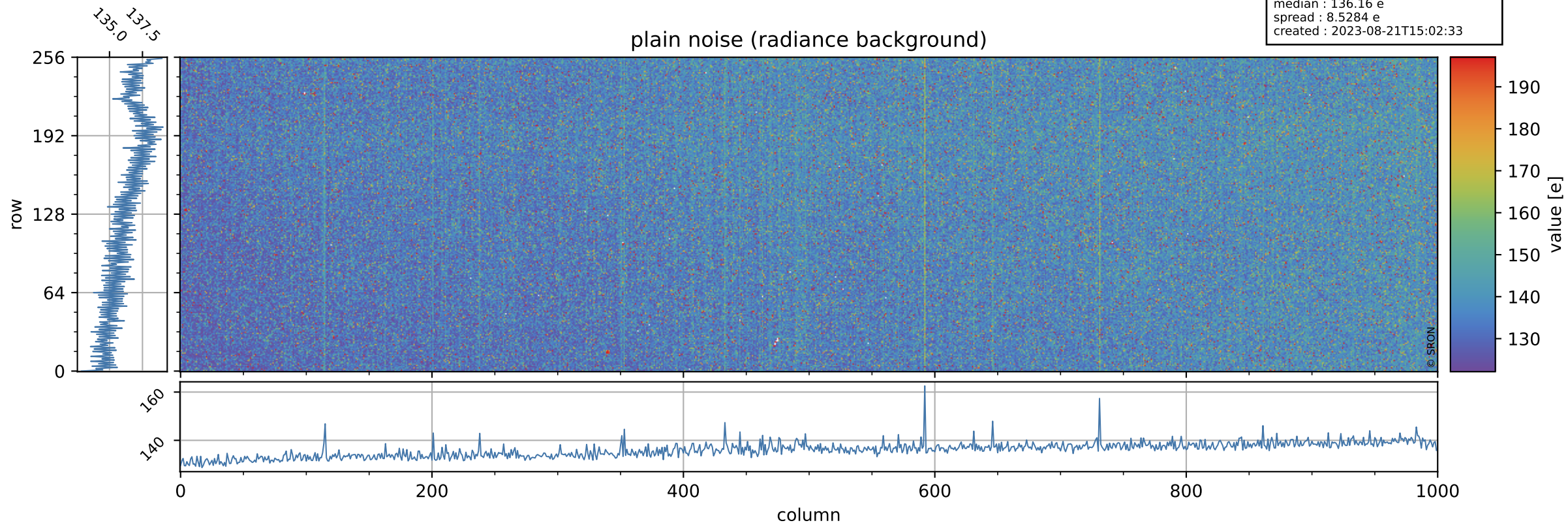
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.5284 e  
created : 2023-08-21T15:02:33

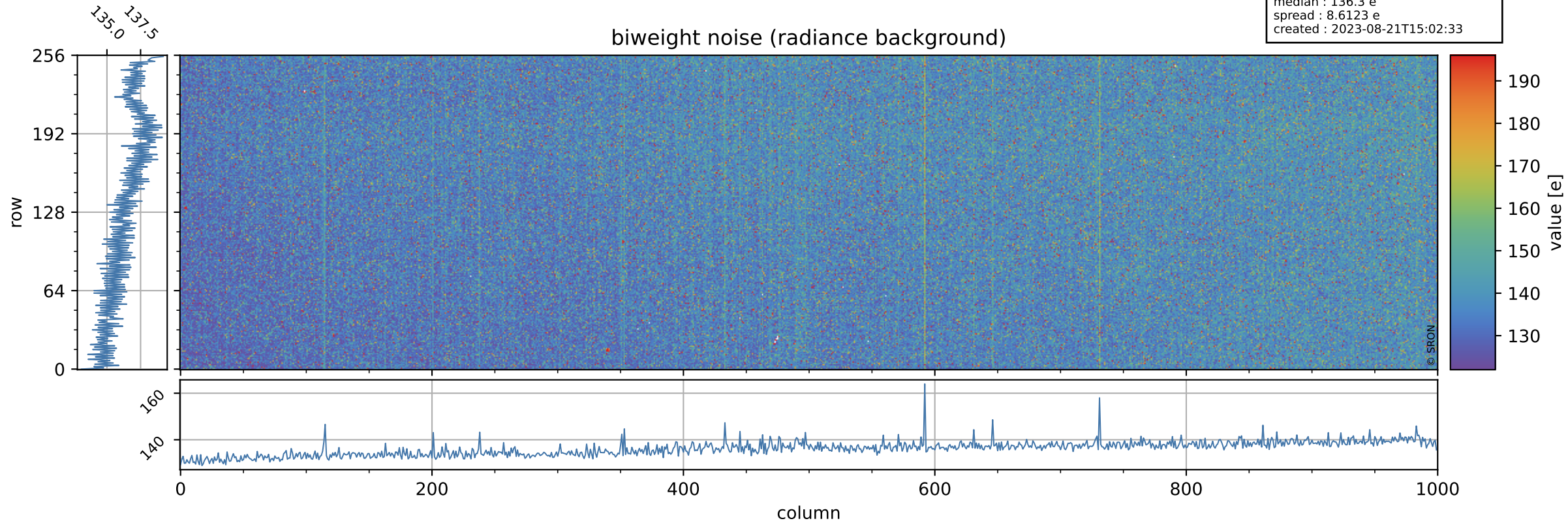
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.3 e  
spread : 8.6123 e  
created : 2023-08-21T15:02:33

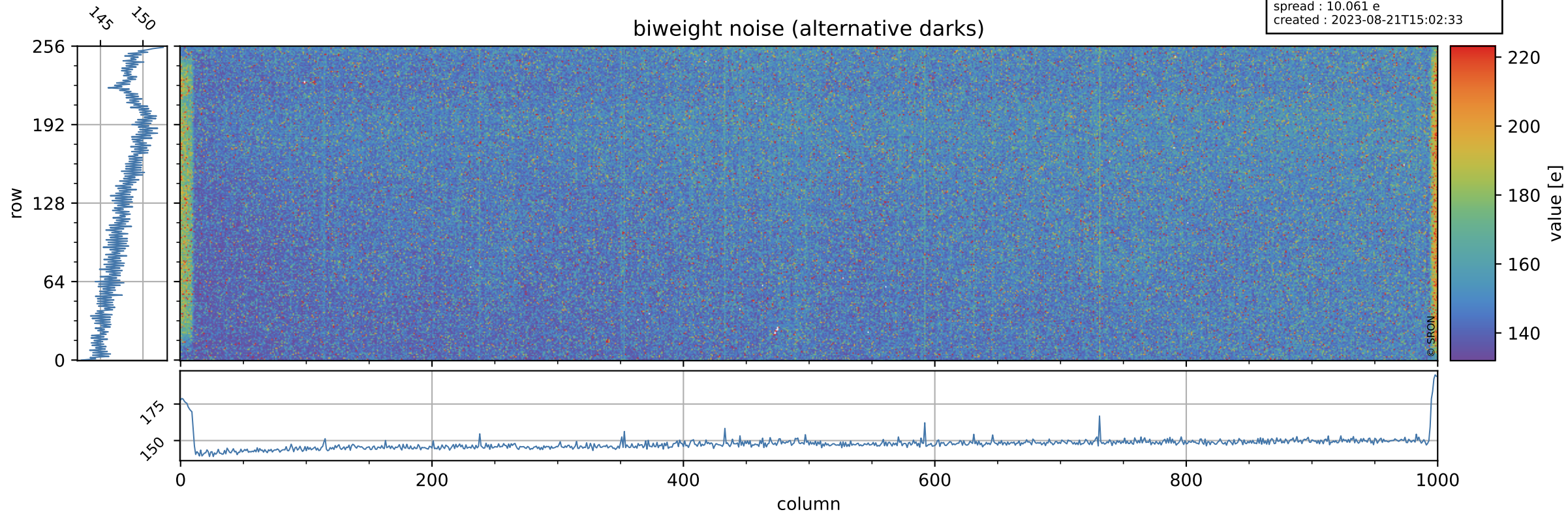
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.061 e  
created : 2023-08-21T15:02:33

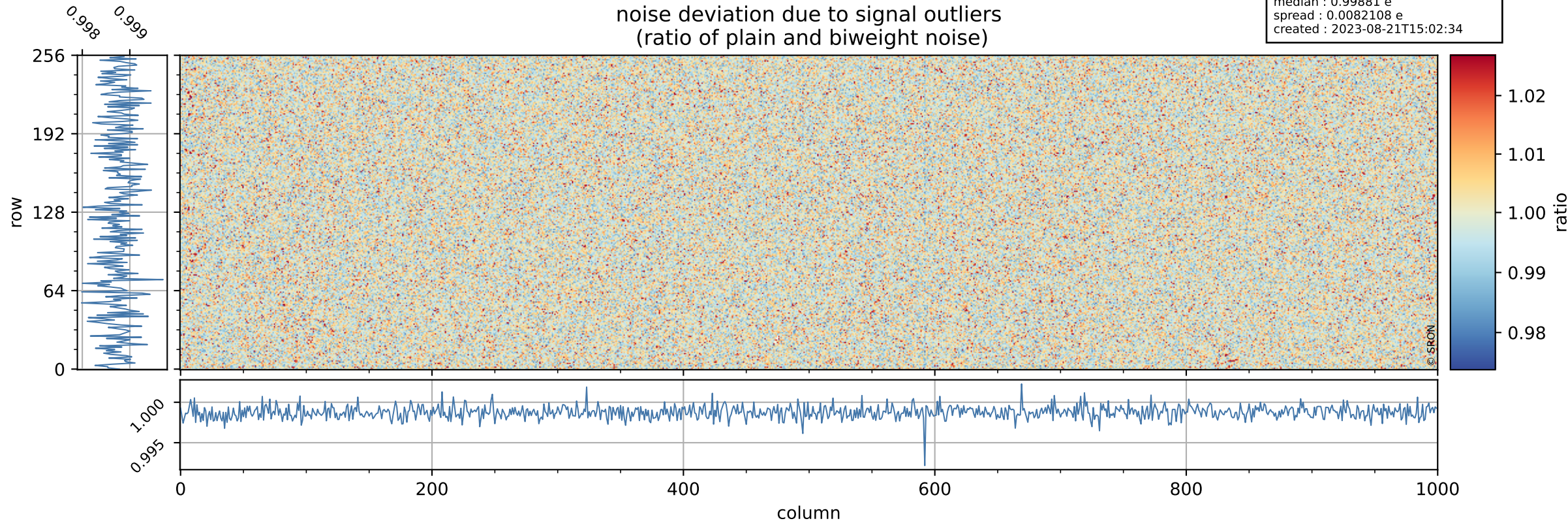
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

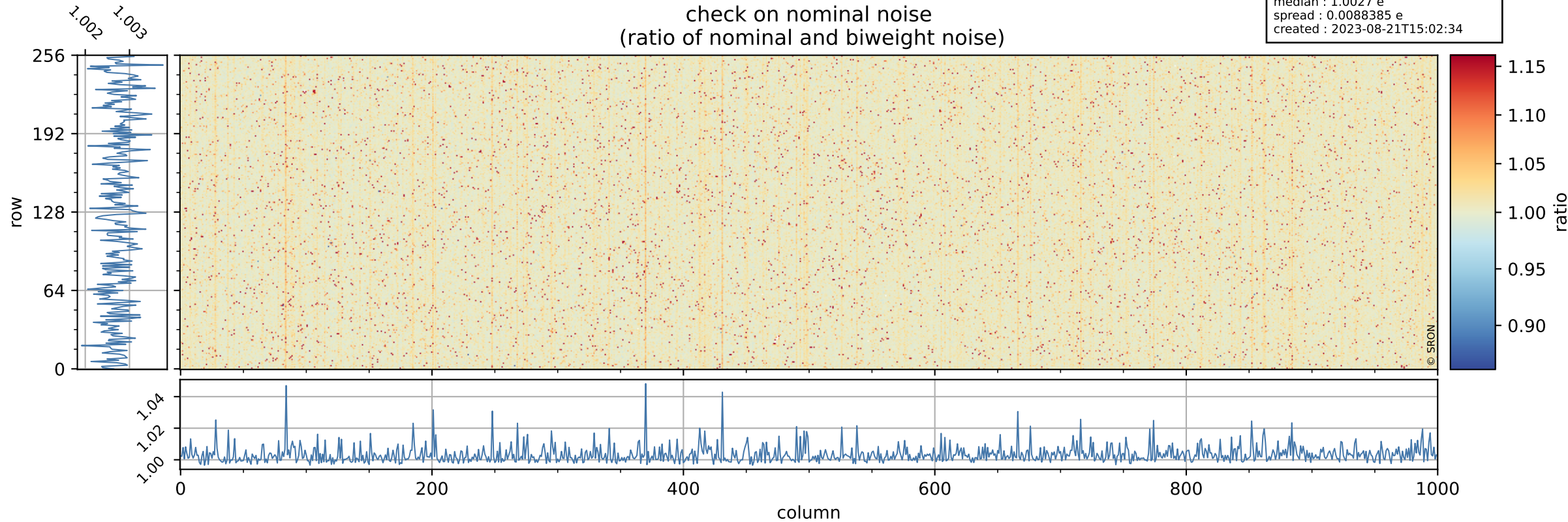
orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
median : 0.99881 e  
spread : 0.0082108 e  
created : 2023-08-21T15:02:34



# Tropomi SWIR background noise (swir)

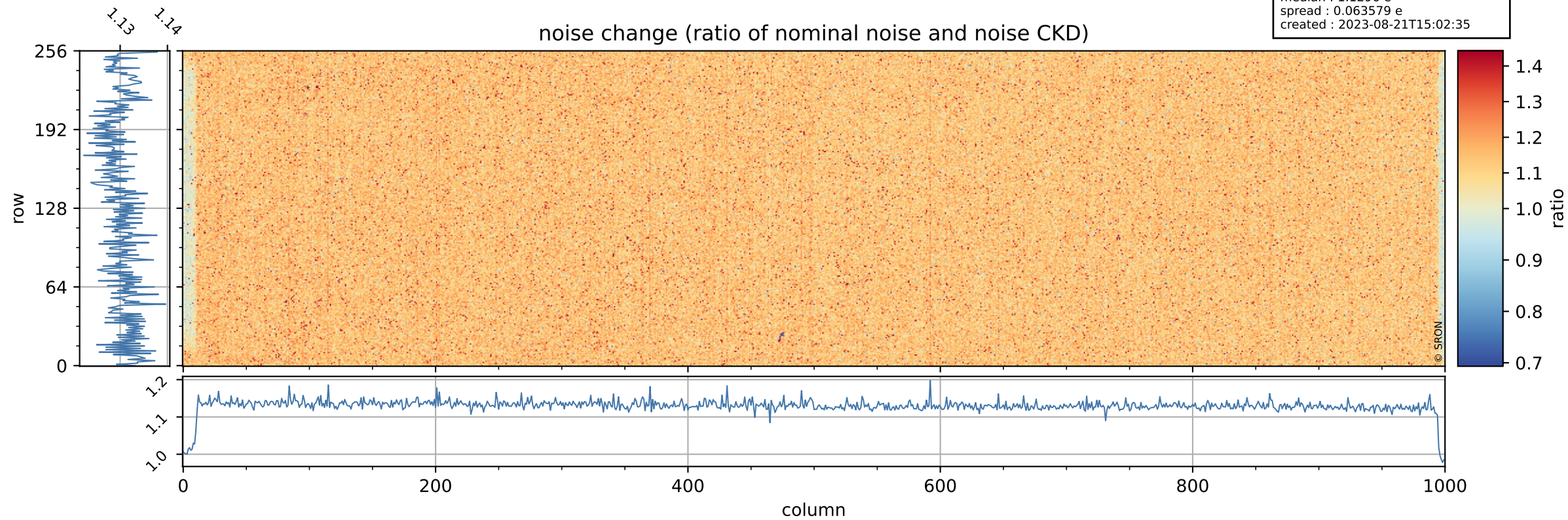
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
median : 1.0027 e  
spread : 0.0088385 e  
created : 2023-08-21T15:02:34



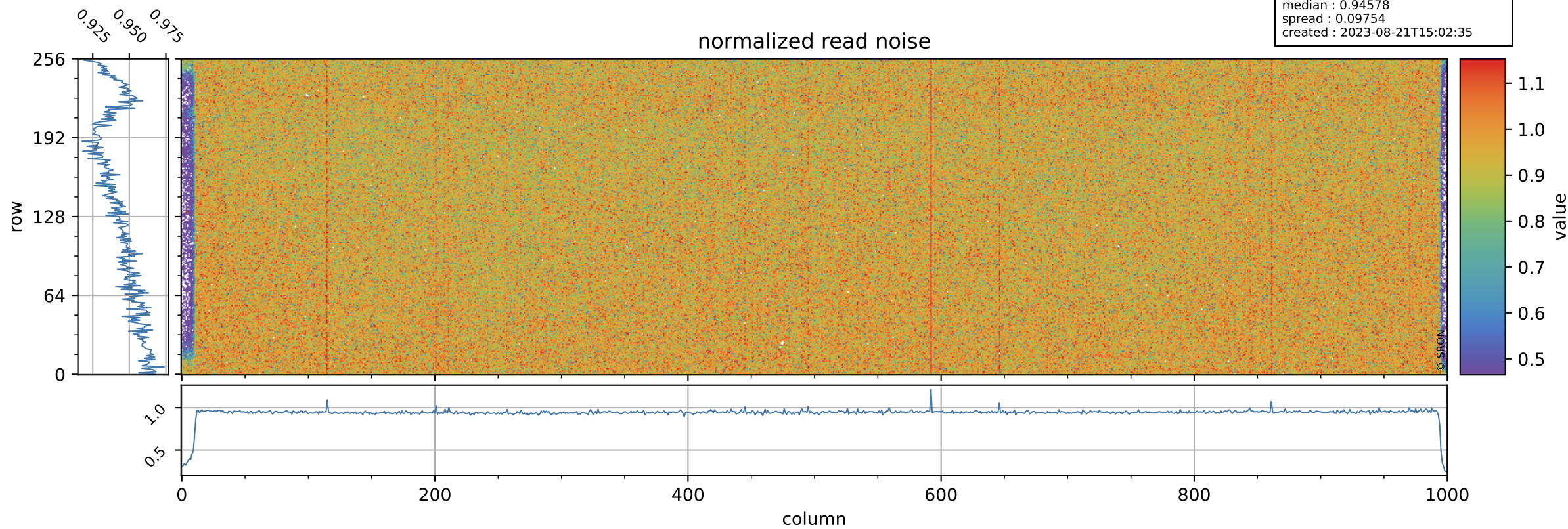
# Tropomi SWIR background noise (swir)

orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
median : 1.1296 e  
spread : 0.063579 e  
created : 2023-08-21T15:02:35



# Tropomi SWIR background noise (swir)

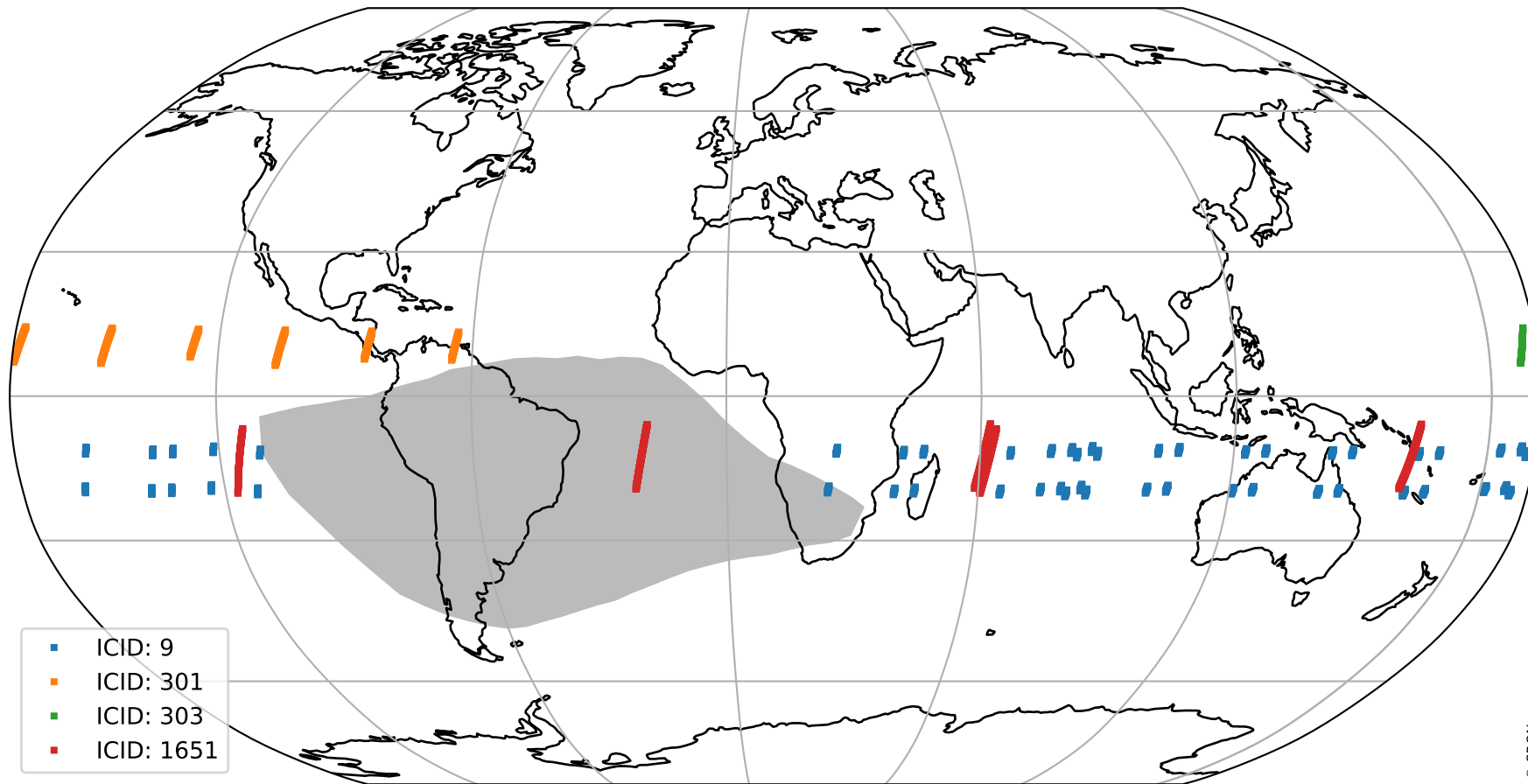
orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
median : 0.94578  
spread : 0.09754  
created : 2023-08-21T15:02:35





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

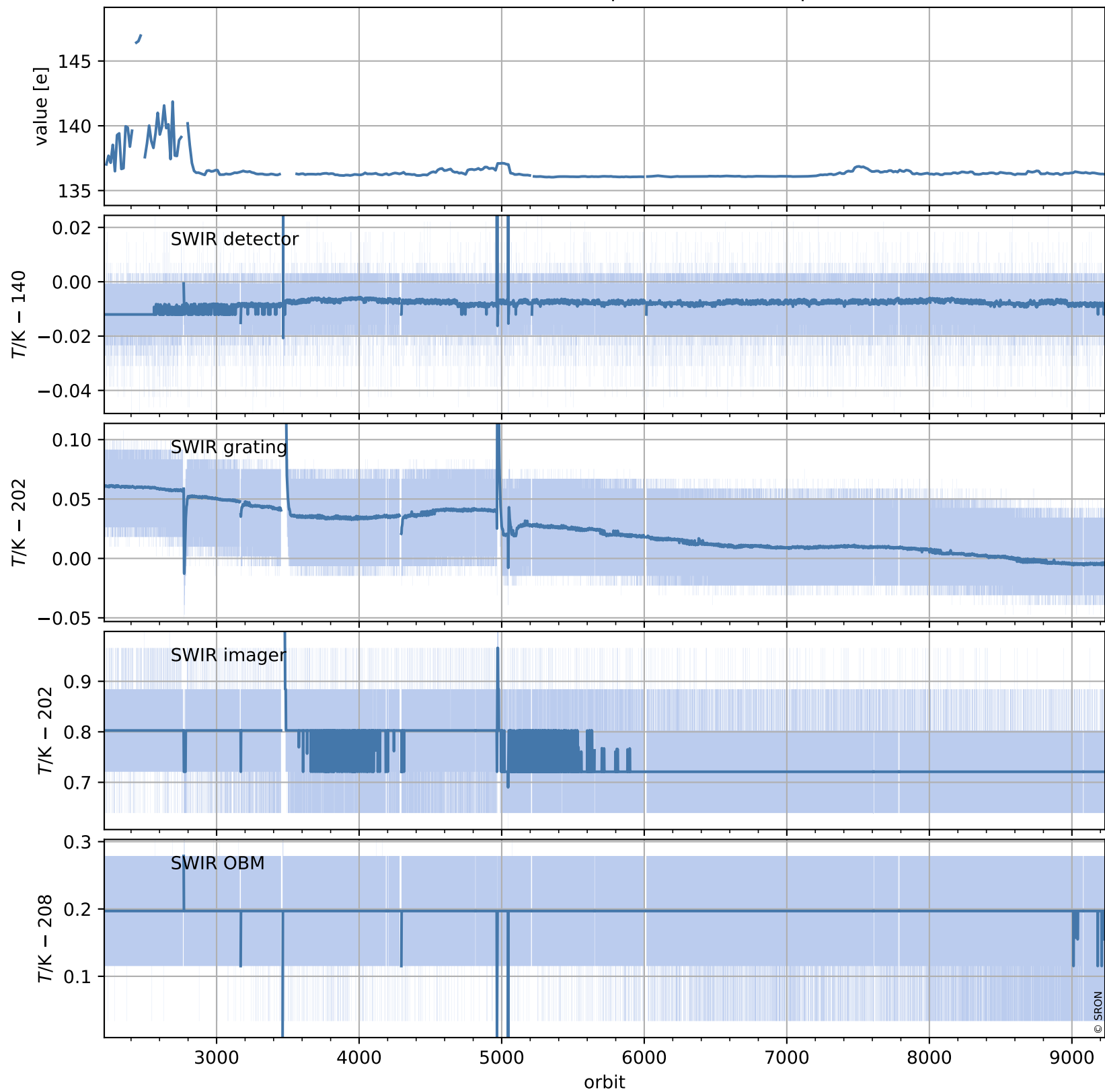
orbits : 12 in [9142, 9232]  
coverage : 2019-07-20 / 2019-07-25  
created : 2023-08-21T15:02:35



# Tropomi SWIR background noise (swir)

orbits : [2212, 9232]  
coverage : 2018-03-18 / 2019-07-25  
created : 2023-08-21T15:02:36

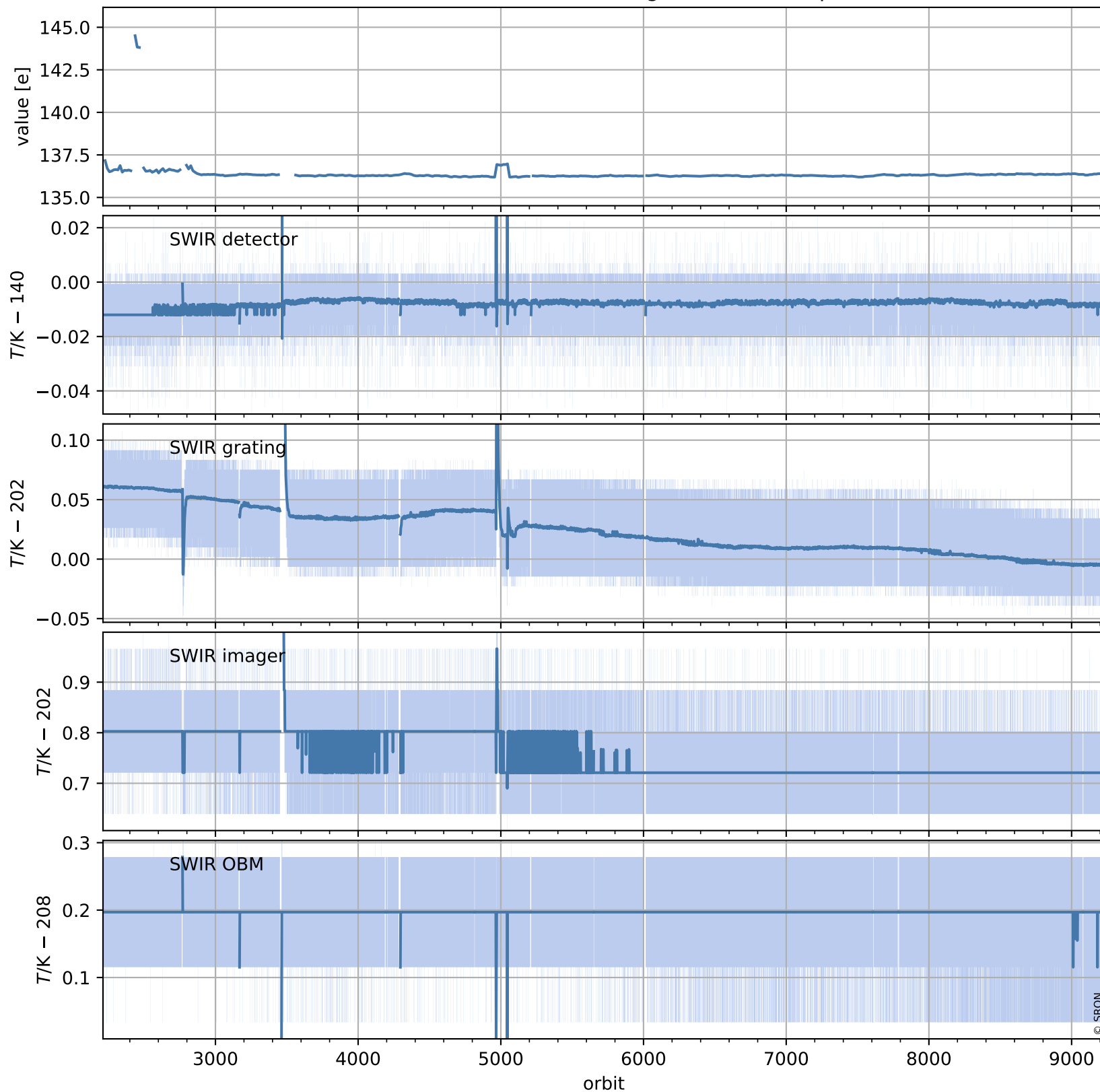
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9232]  
coverage : 2018-03-18 / 2019-07-25  
created : 2023-08-21T15:02:37

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9232]  
coverage : 2018-03-18 / 2019-07-25  
created : 2023-08-21T15:02:38

## trend of normalized read-noise & temperatures

