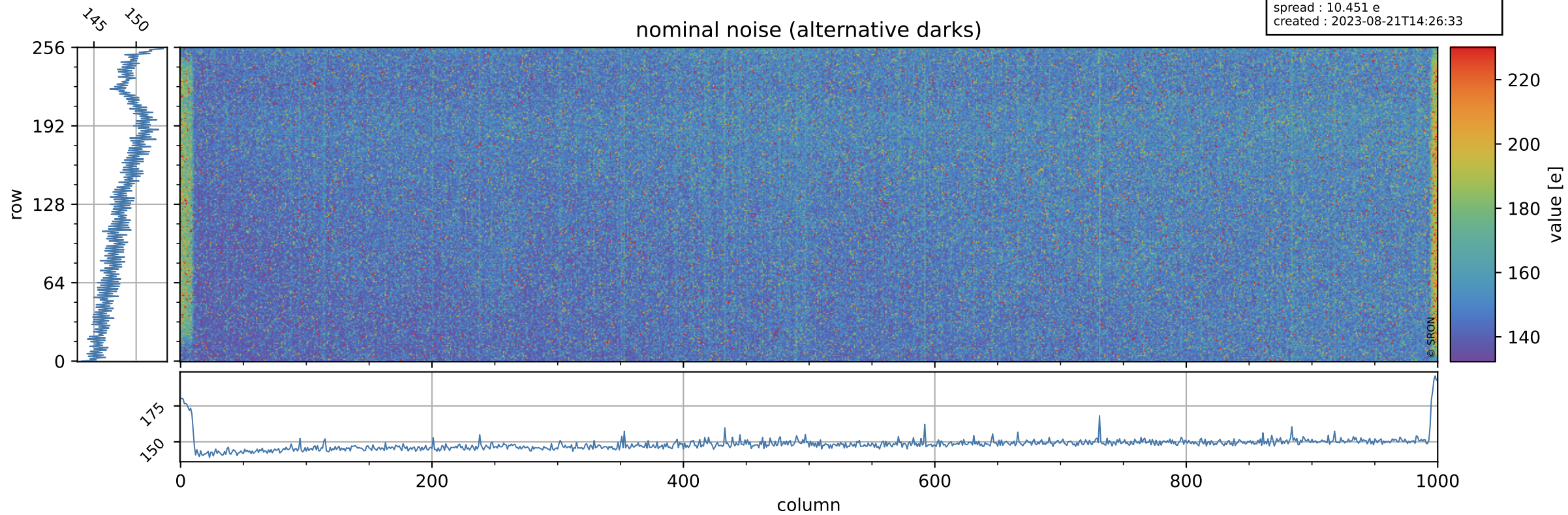


# Tropomi SWIR background noise (swir)

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
n\_coad, t\_exp : 1, 1.0783  
median : 148.26 e  
spread : 10.451 e  
created : 2023-08-21T14:26:33

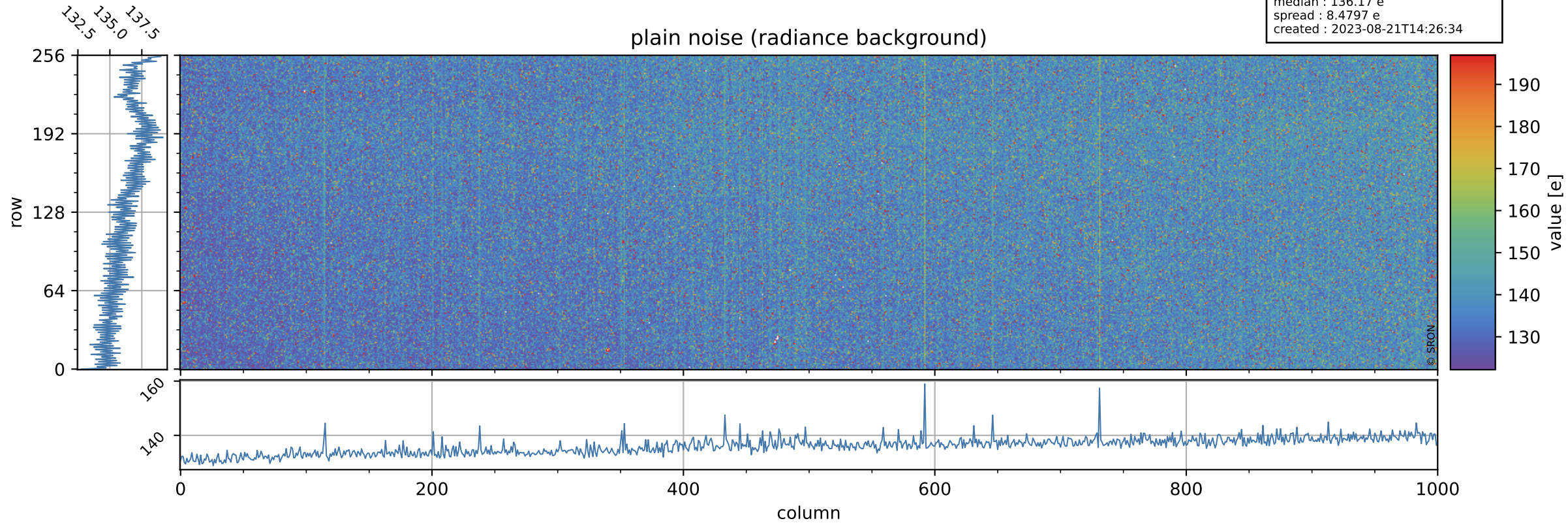
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4797 e  
created : 2023-08-21T14:26:34

## plain noise (radiance background)

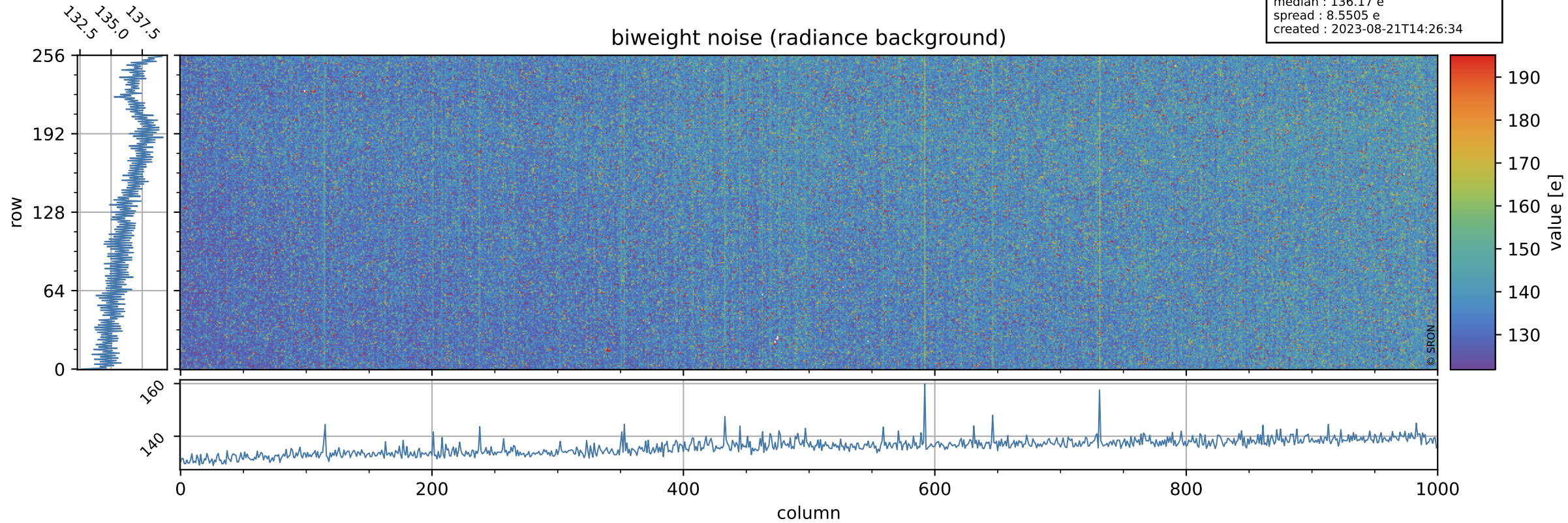




# Tropomi SWIR background noise (swir)

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.5505 e  
created : 2023-08-21T14:26:34

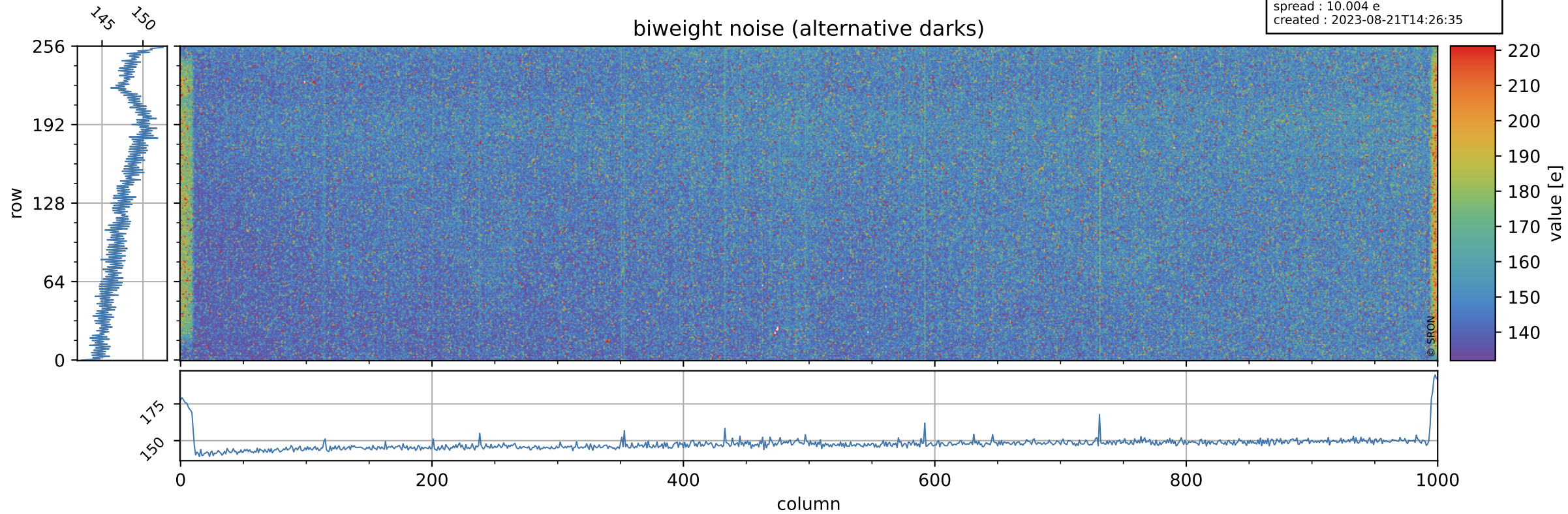
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 10.004 e  
created : 2023-08-21T14:26:35

## biweight noise (alternative darks)

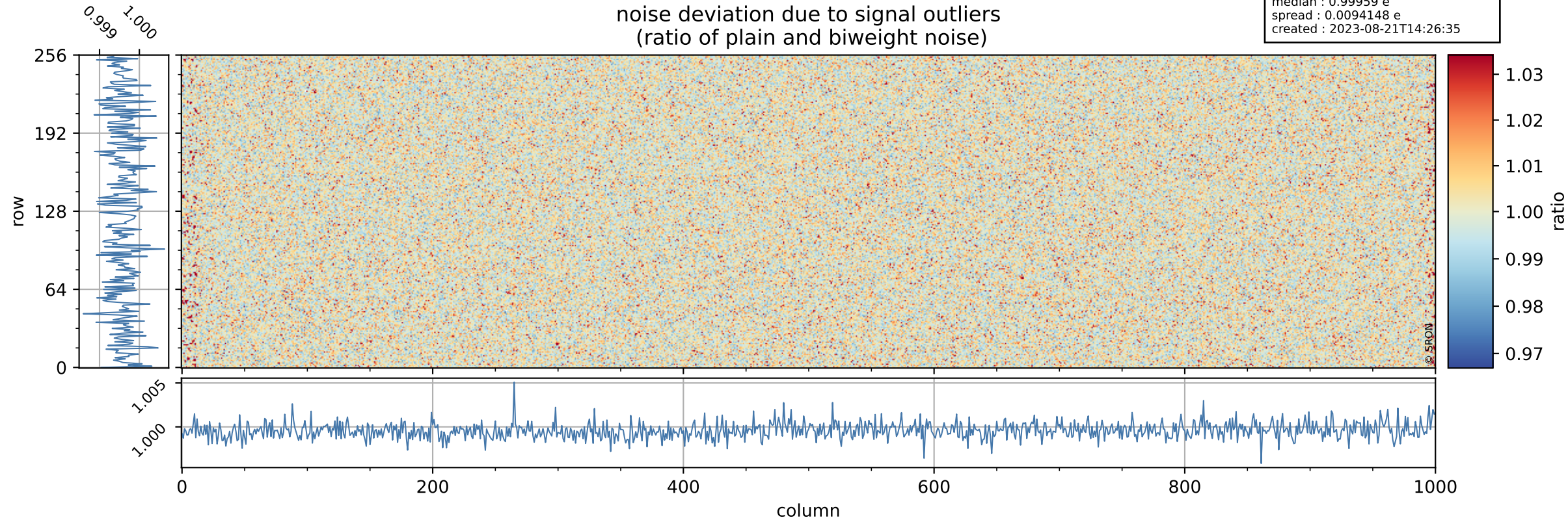




# Tropomi SWIR background noise (swir)

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

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
median : 0.99959 e  
spread : 0.0094148 e  
created : 2023-08-21T14:26:35

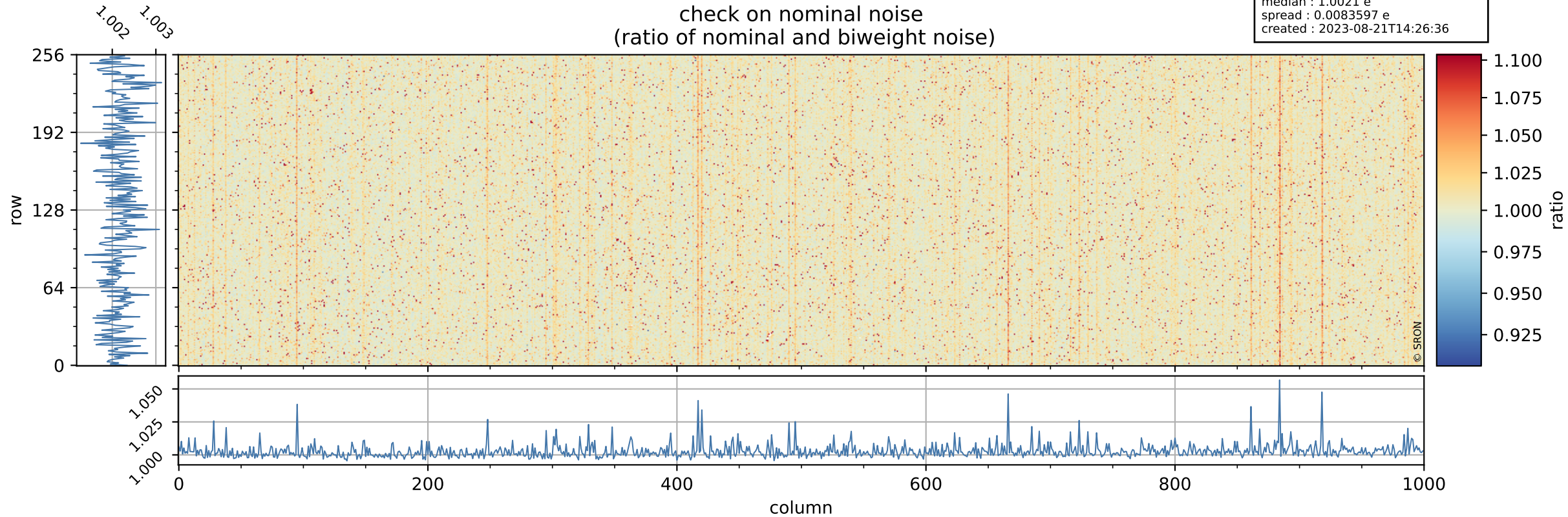




# Tropomi SWIR background noise (swir)

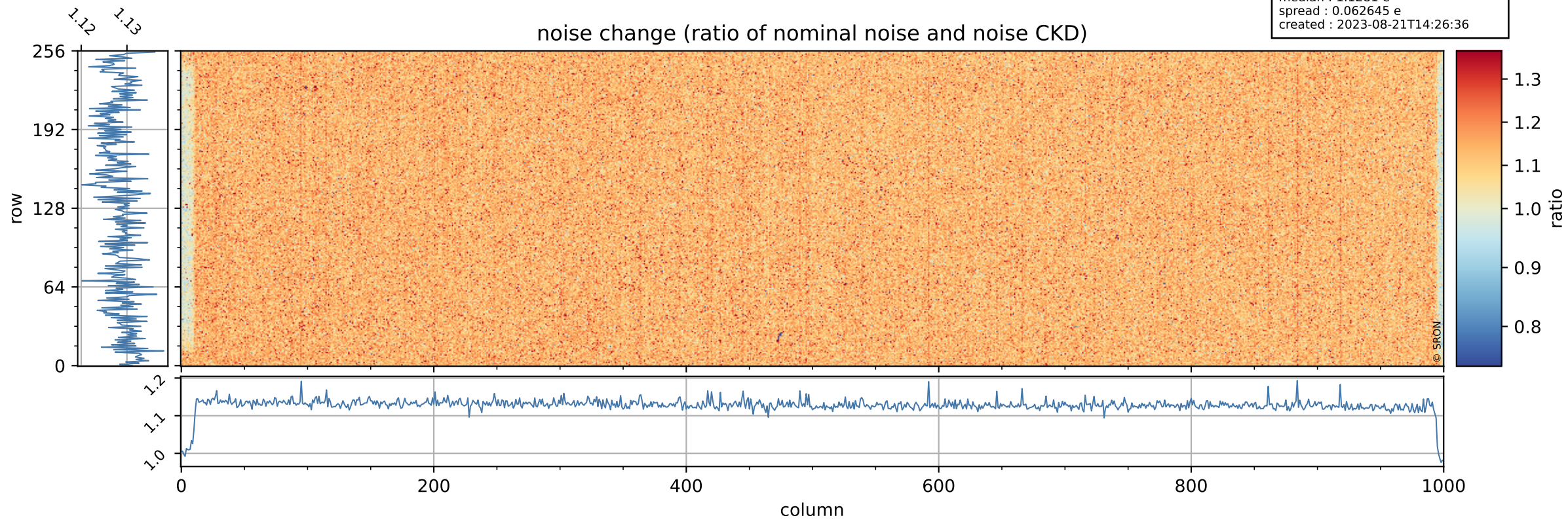
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
median : 1.0021 e  
spread : 0.0083597 e  
created : 2023-08-21T14:26:36



# Tropomi SWIR background noise (swir)

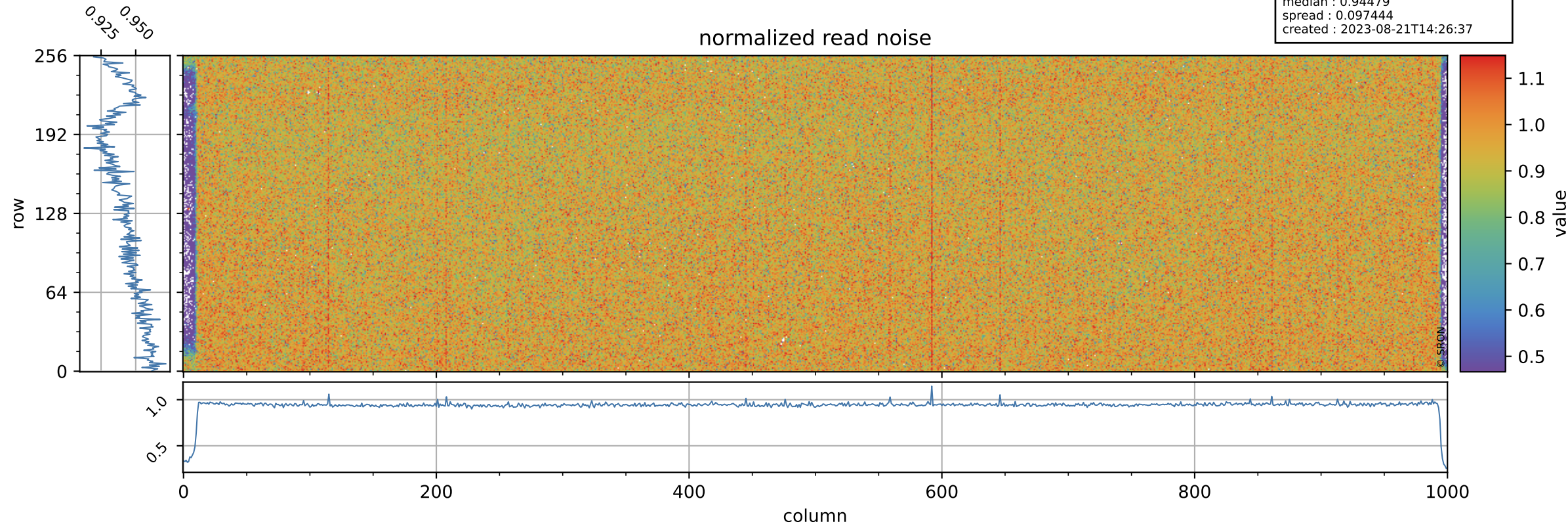
orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
median : 1.1281 e  
spread : 0.062645 e  
created : 2023-08-21T14:26:36





# Tropomi SWIR background noise (swir)

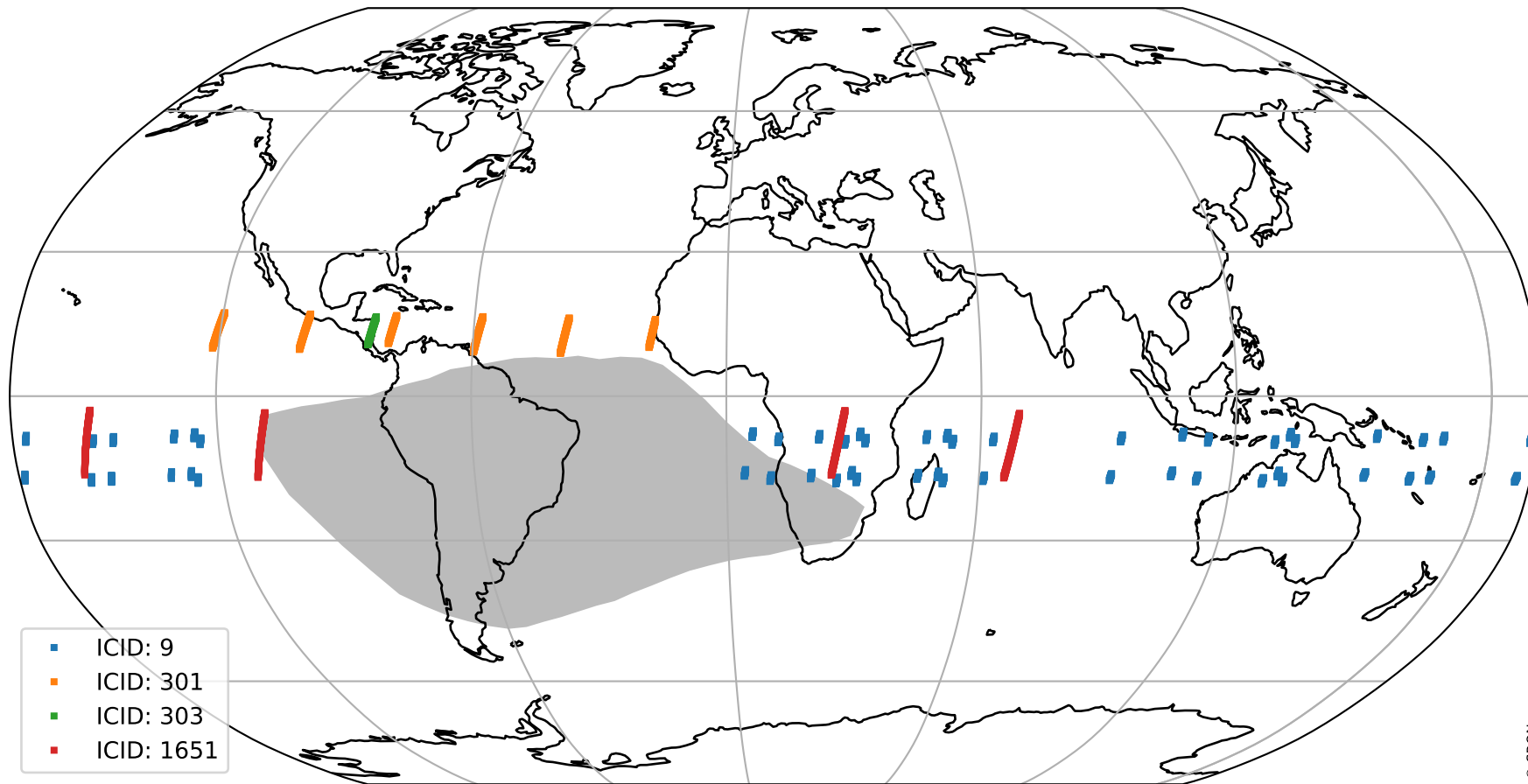
orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
median : 0.94479  
spread : 0.097444  
created : 2023-08-21T14:26:37





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

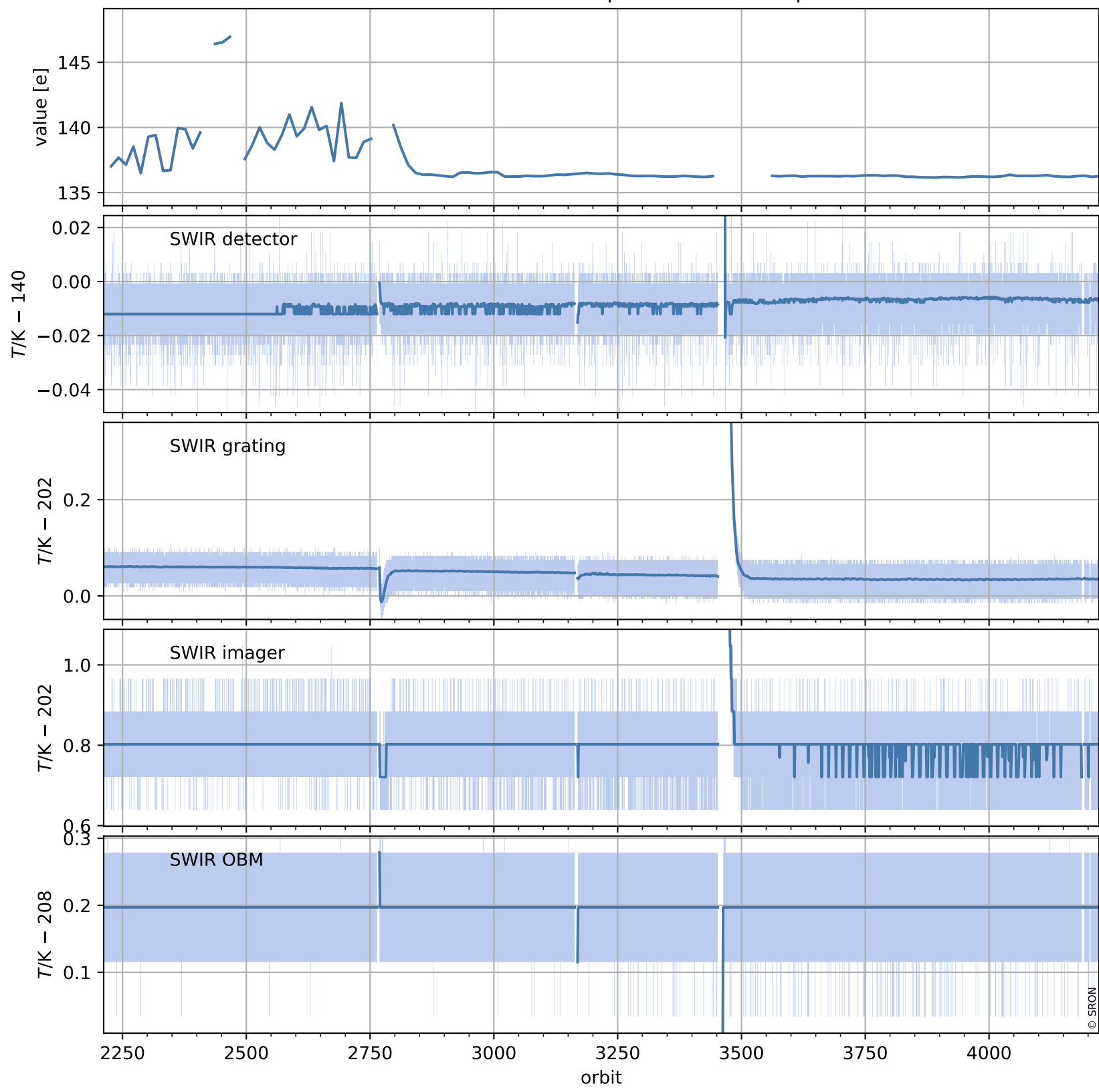
orbits : 11 in [4132, 4222]  
coverage : 2018-08-01 / 2018-08-06  
created : 2023-08-21T14:26:37



# Tropomi SWIR background noise (swir)

orbits : [2212, 4222]  
coverage : 2018-03-18 / 2018-08-06  
created : 2023-08-21T14:26:37

## trend of detector median of plain noise & temperatures

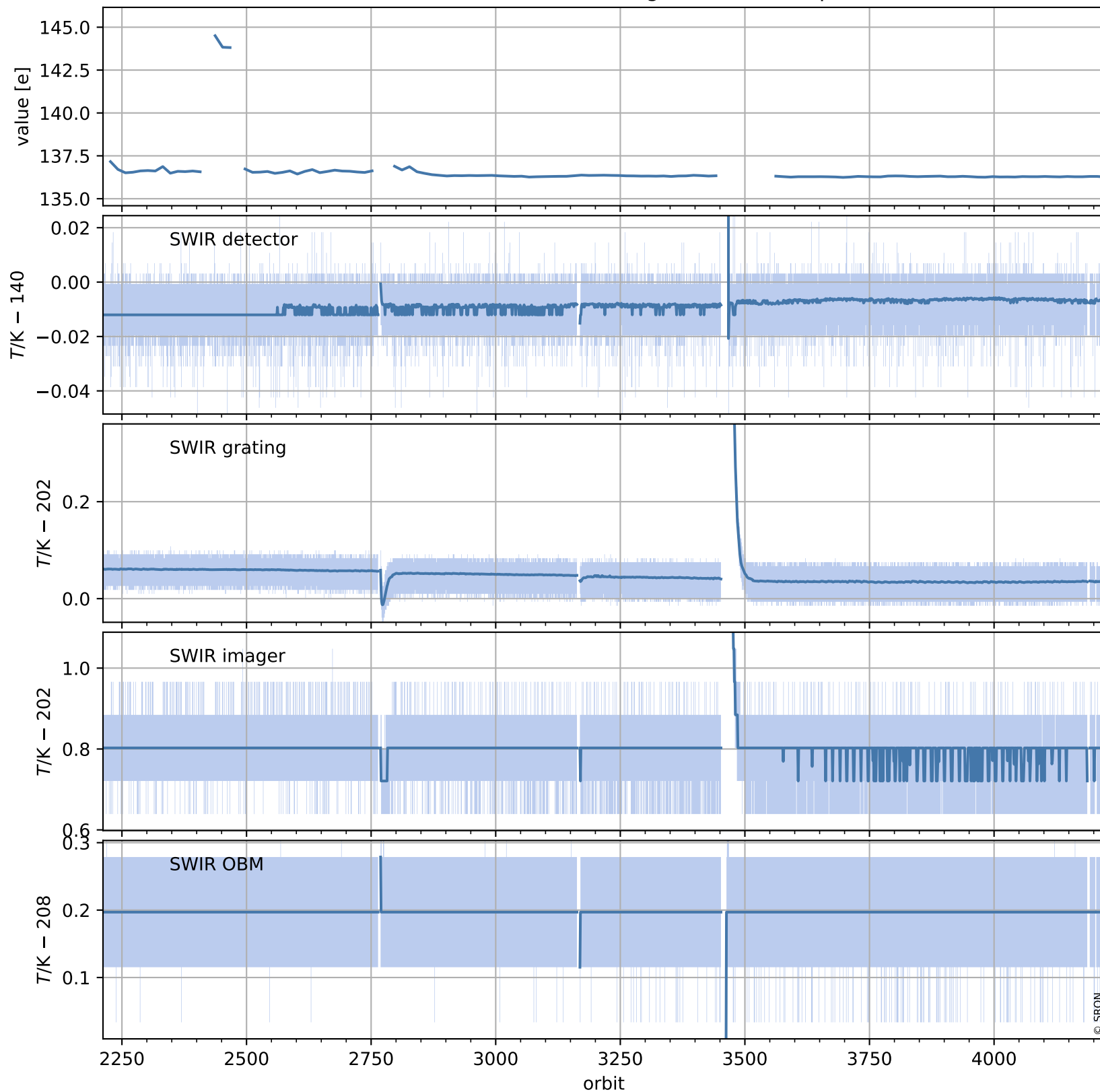




# Tropomi SWIR background noise (swir)

orbits : [2212, 4222]  
coverage : 2018-03-18 / 2018-08-06  
created : 2023-08-21T14:26:38

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4222]  
coverage : 2018-03-18 / 2018-08-06  
created : 2023-08-21T14:26:39

## trend of normalized read-noise & temperatures

