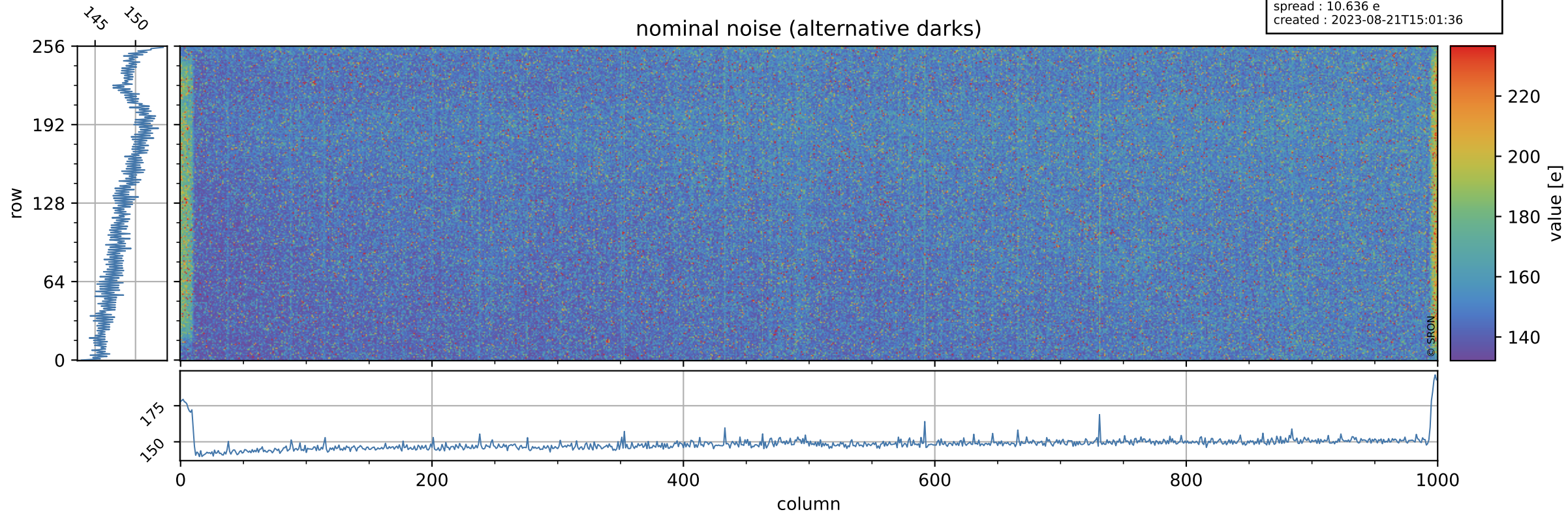


# Tropomi SWIR background noise (swir)

orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.45 e  
spread : 10.636 e  
created : 2023-08-21T15:01:36

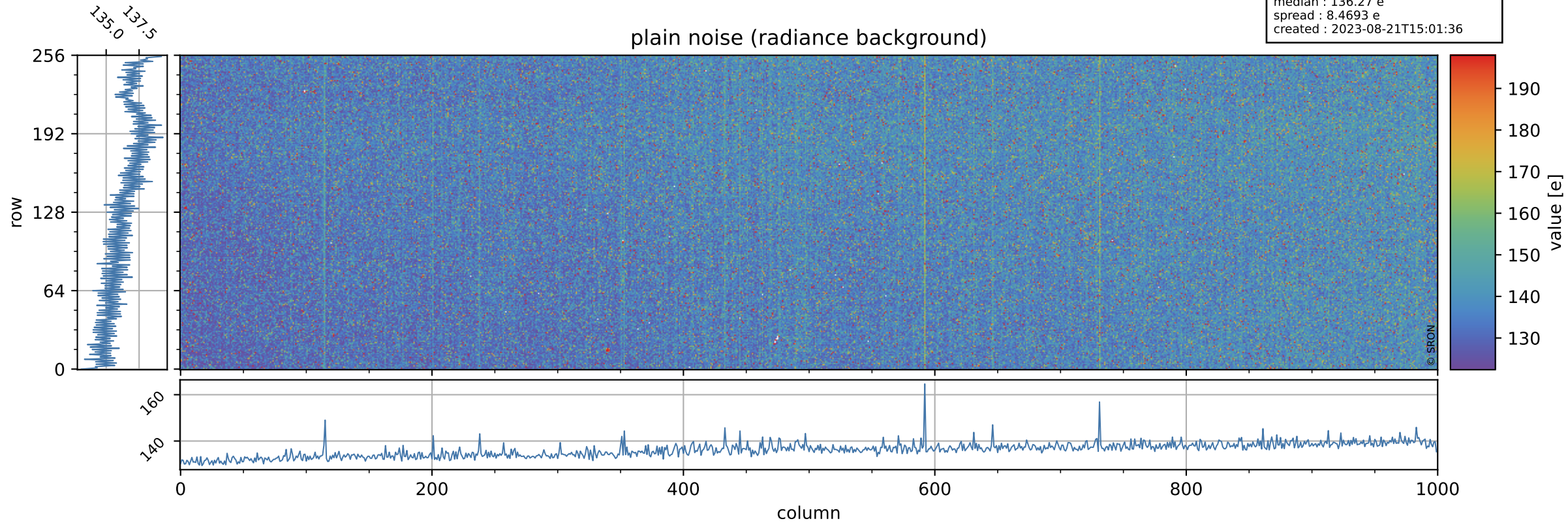
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.27 e  
spread : 8.4693 e  
created : 2023-08-21T15:01:36

## plain noise (radiance background)

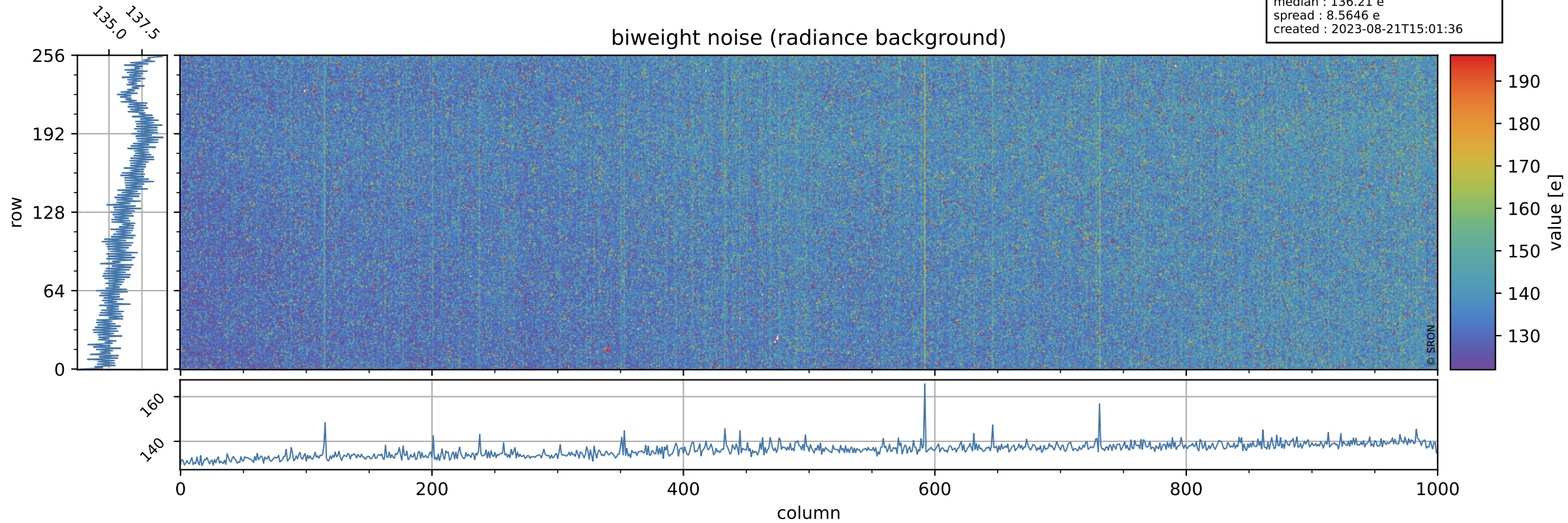




# Tropomi SWIR background noise (swir)

orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.5646 e  
created : 2023-08-21T15:01:36

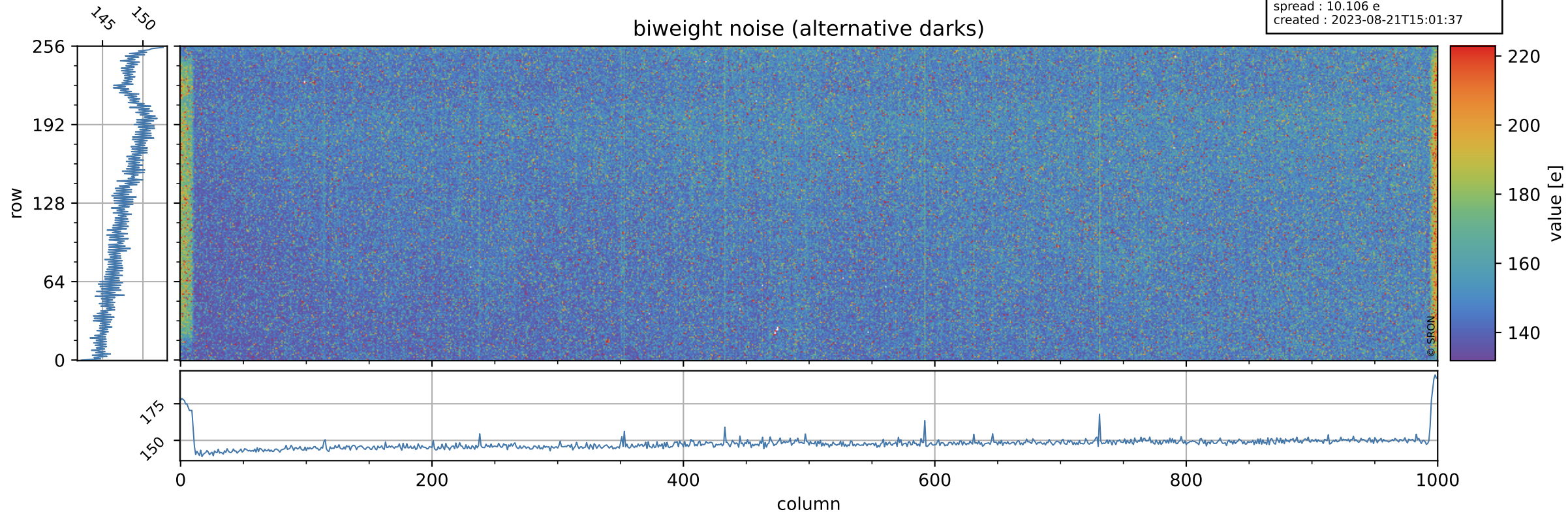
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 10.106 e  
created : 2023-08-21T15:01:37

## biweight noise (alternative darks)

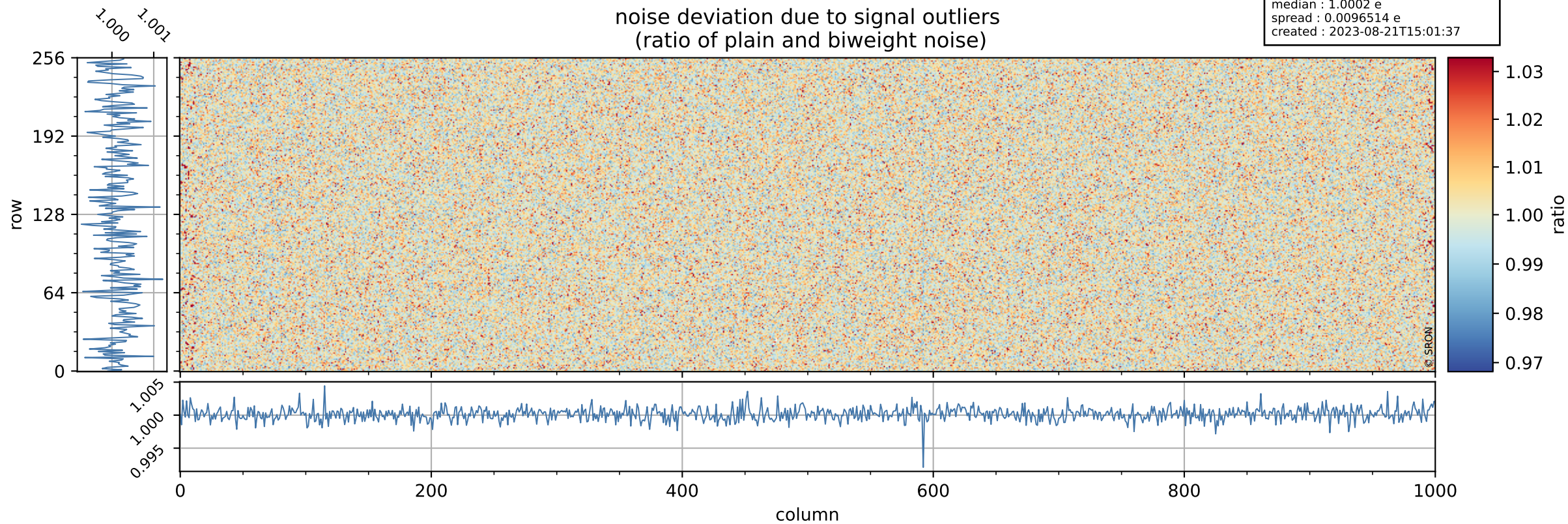




# Tropomi SWIR background noise (swir)

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

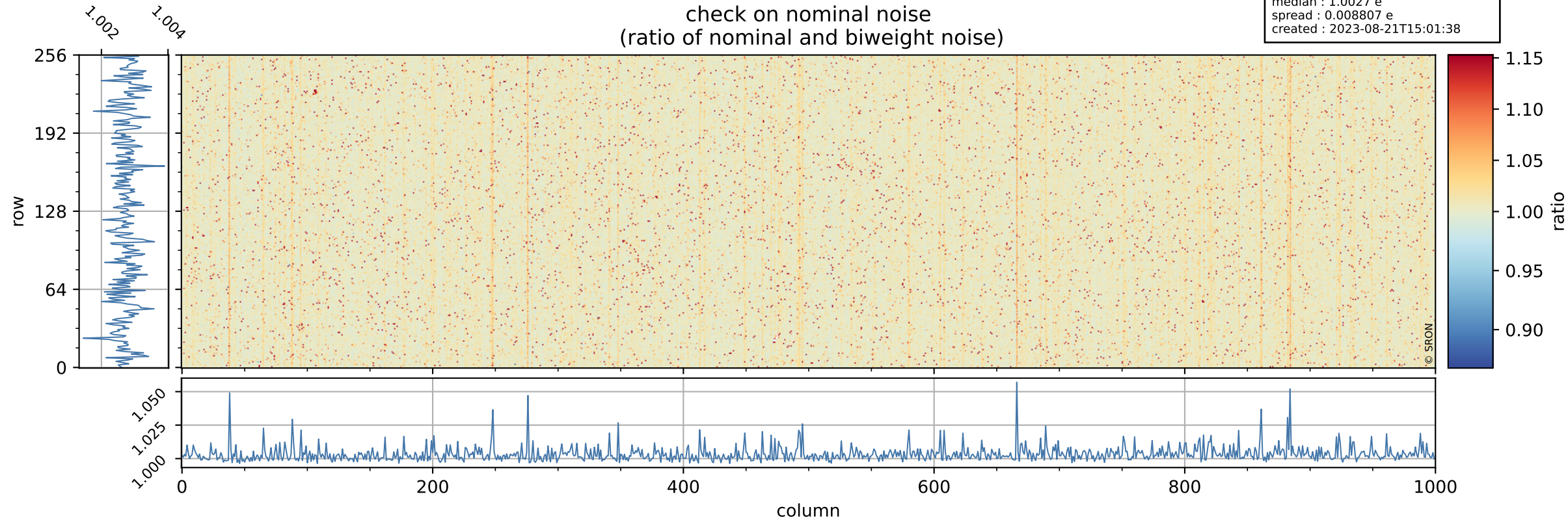
orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
median : 1.0002 e  
spread : 0.0096514 e  
created : 2023-08-21T15:01:37



# Tropomi SWIR background noise (swir)

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

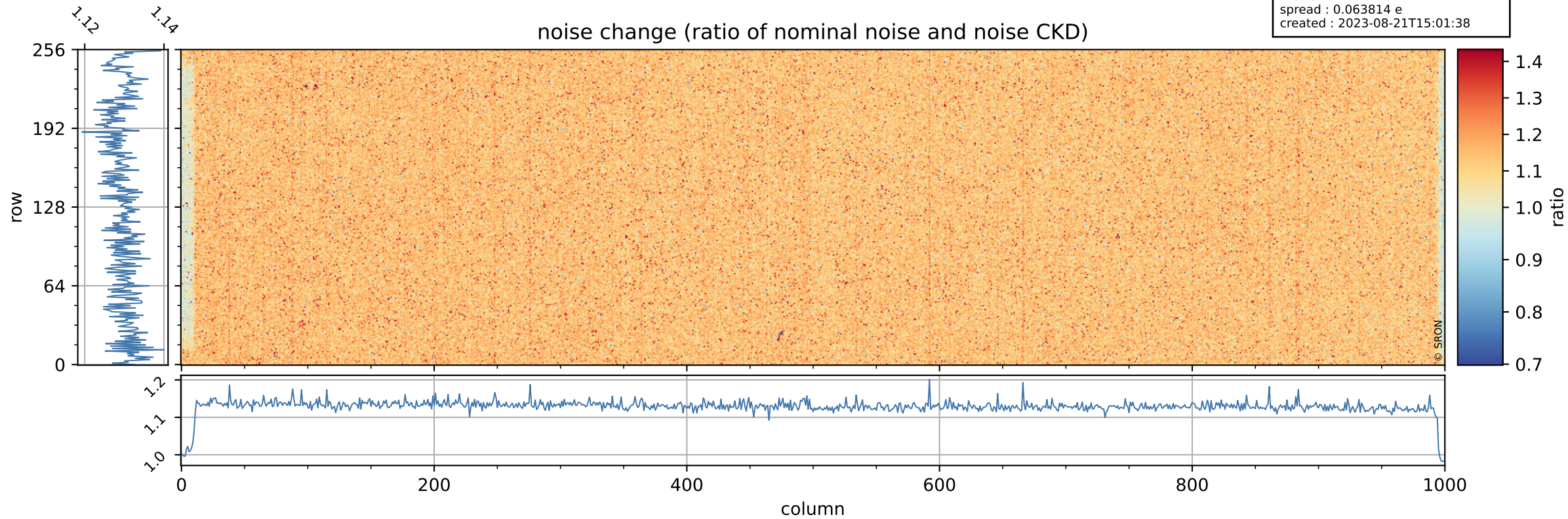
orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
median : 1.0027 e  
spread : 0.008807 e  
created : 2023-08-21T15:01:38





# Tropomi SWIR background noise (swir)

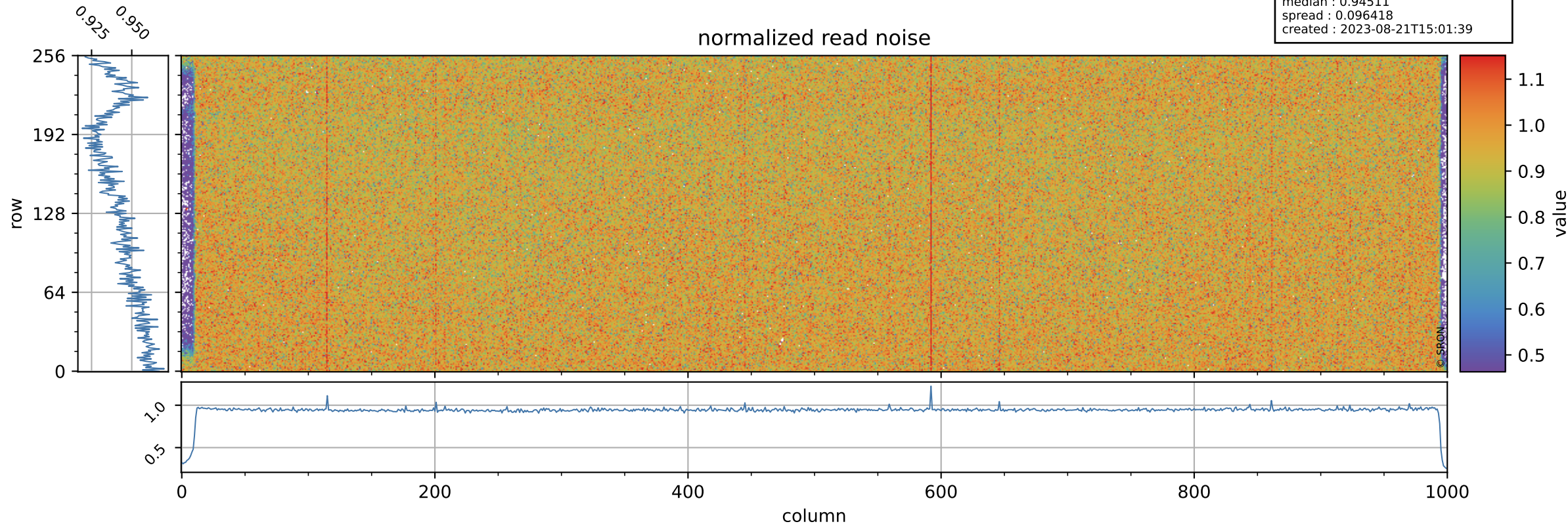
orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
median : 1.1291 e  
spread : 0.063814 e  
created : 2023-08-21T15:01:38



# Tropomi SWIR background noise (swir)

orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
median : 0.94511  
spread : 0.096418  
created : 2023-08-21T15:01:39

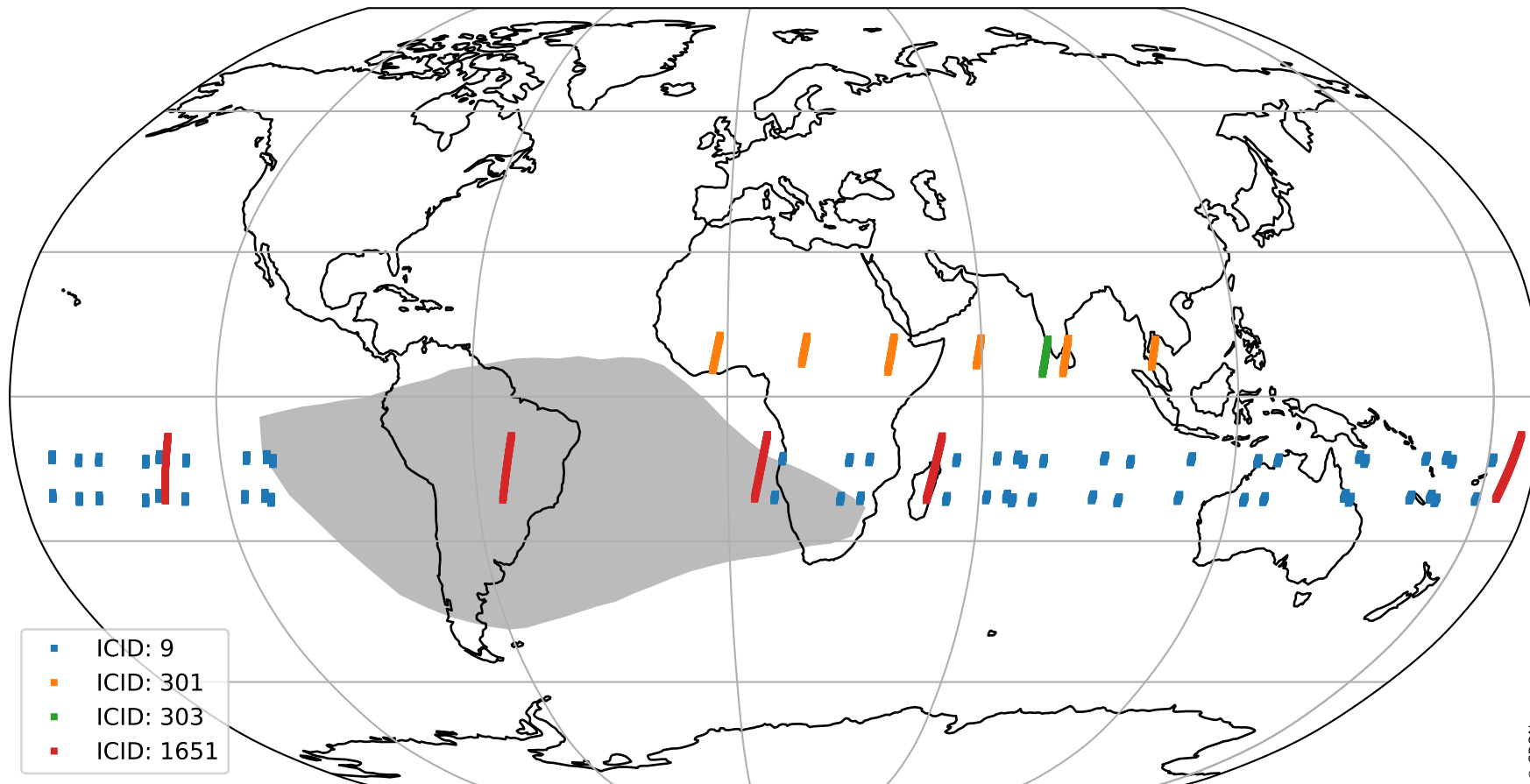
normalized read noise





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

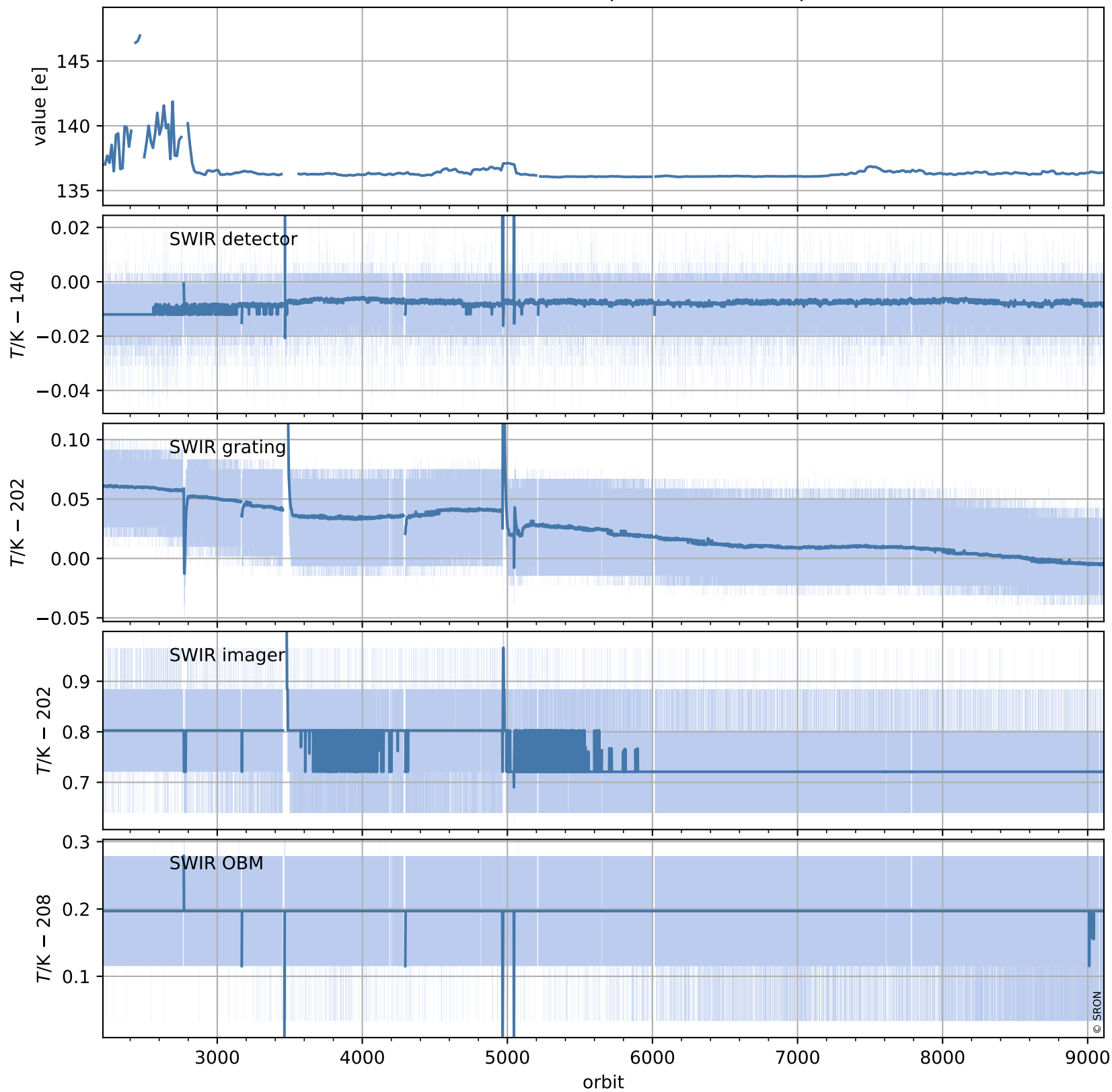
orbits : 12 in [9037, 9112]  
coverage : 2019-07-11 / 2019-07-17  
created : 2023-08-21T15:01:39



# Tropomi SWIR background noise (swir)

orbits : [2212, 9112]  
coverage : 2018-03-18 / 2019-07-17  
created : 2023-08-21T15:01:40

## trend of detector median of plain noise & temperatures

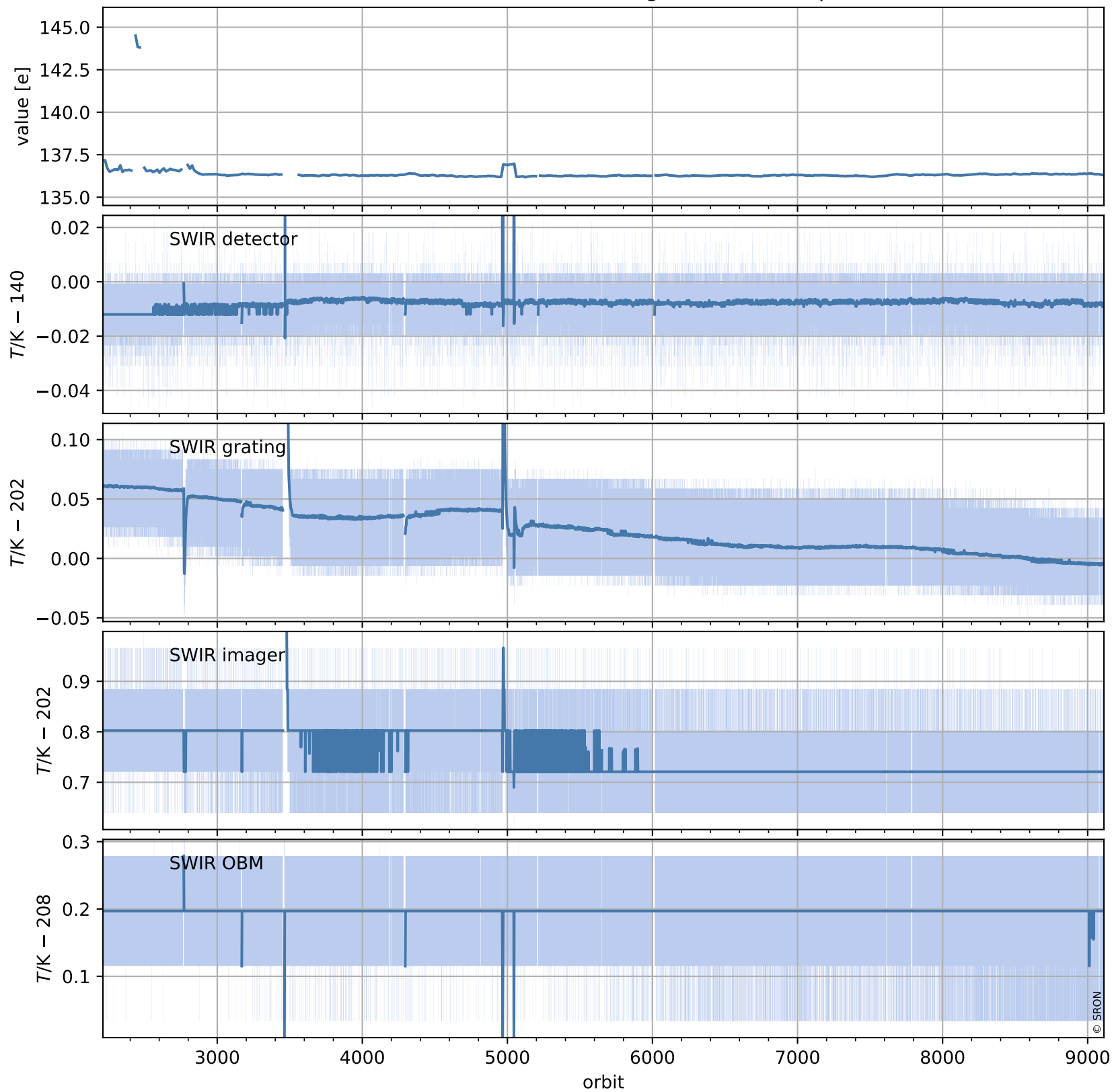




# Tropomi SWIR background noise (swir)

orbits : [2212, 9112]  
coverage : 2018-03-18 / 2019-07-17  
created : 2023-08-21T15:01:40

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9112]  
coverage : 2018-03-18 / 2019-07-17  
created : 2023-08-21T15:01:41

## trend of normalized read-noise & temperatures

