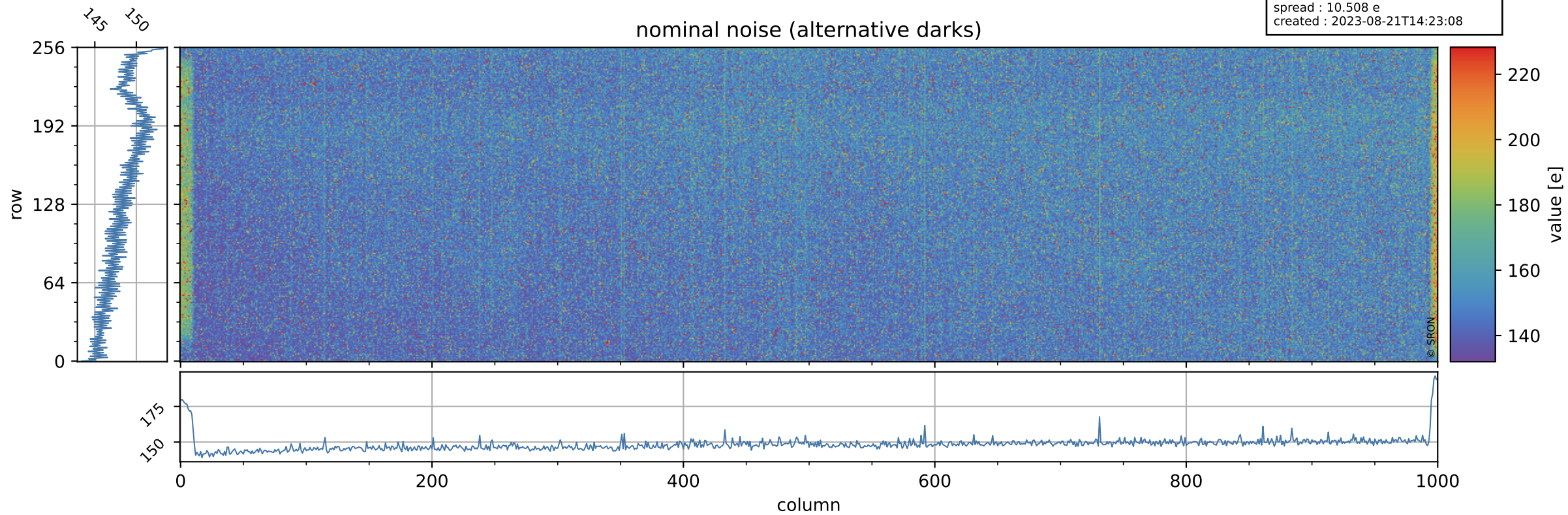


# Tropomi SWIR background noise (swir)

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.23 e  
spread : 10.508 e  
created : 2023-08-21T14:23:08

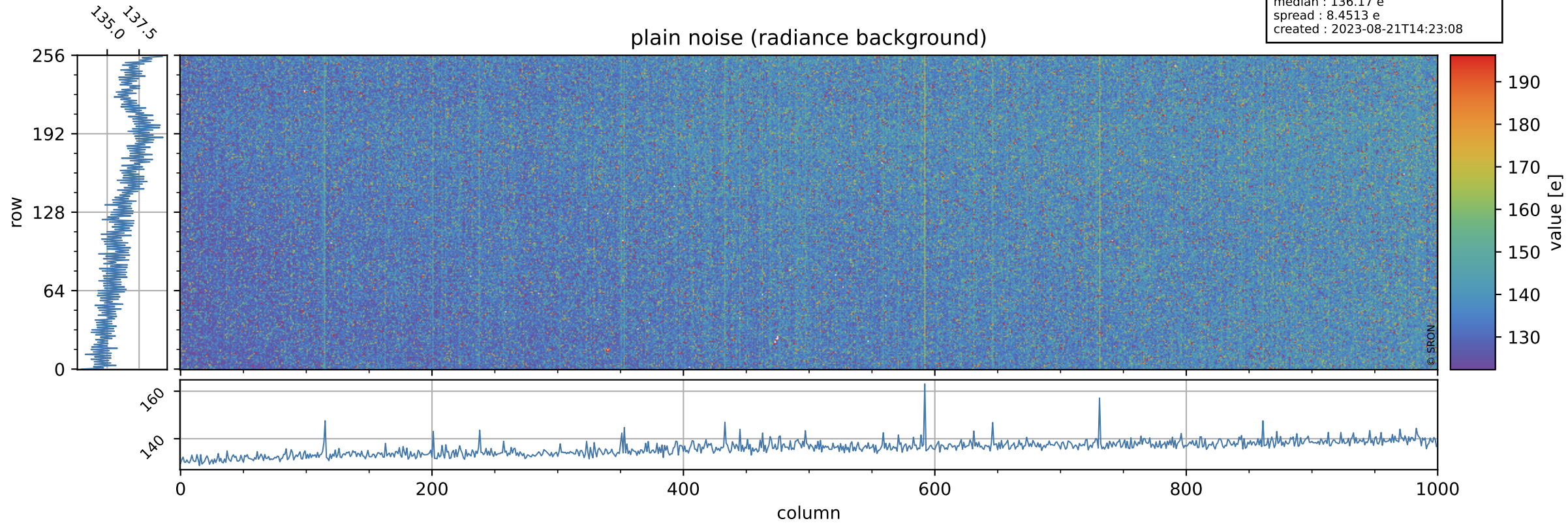
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4513 e  
created : 2023-08-21T14:23:08

## plain noise (radiance background)

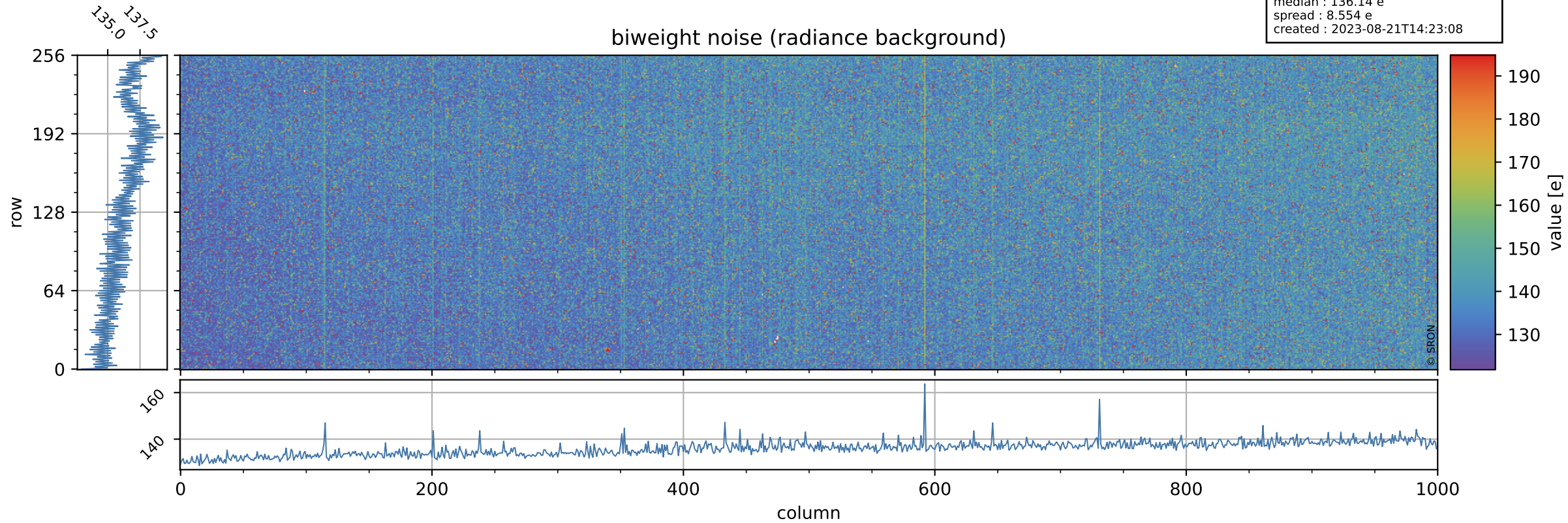




# Tropomi SWIR background noise (swir)

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.14 e  
spread : 8.554 e  
created : 2023-08-21T14:23:08

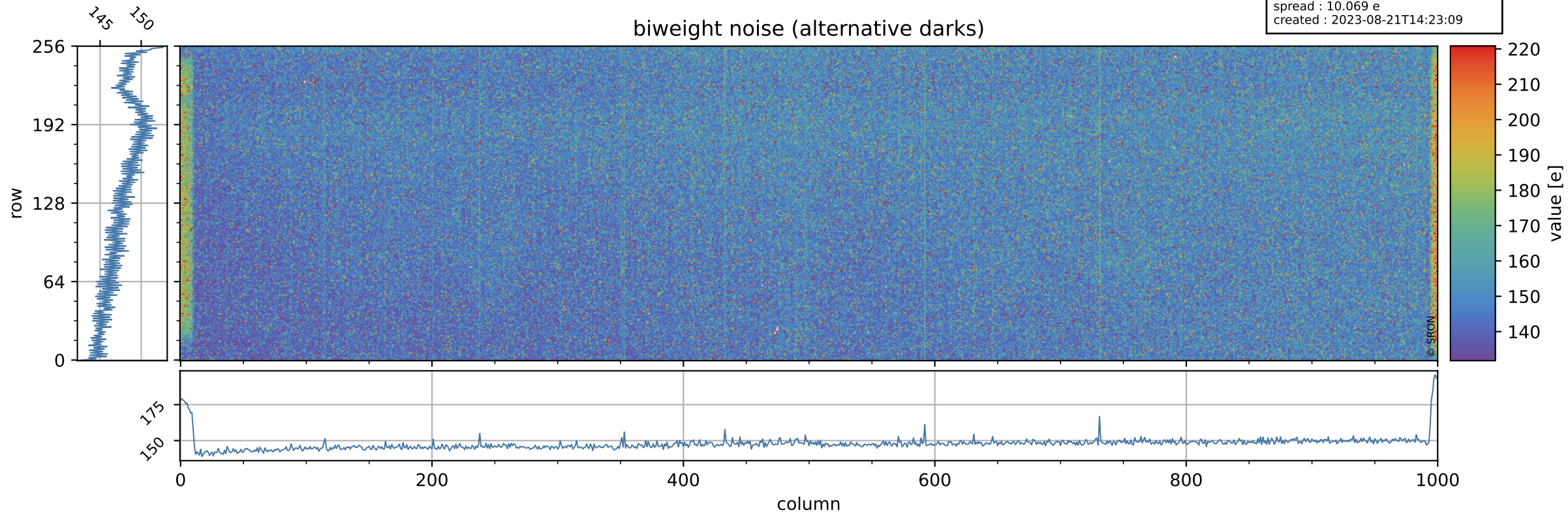
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 10.069 e  
created : 2023-08-21T14:23:09

## biweight noise (alternative darks)

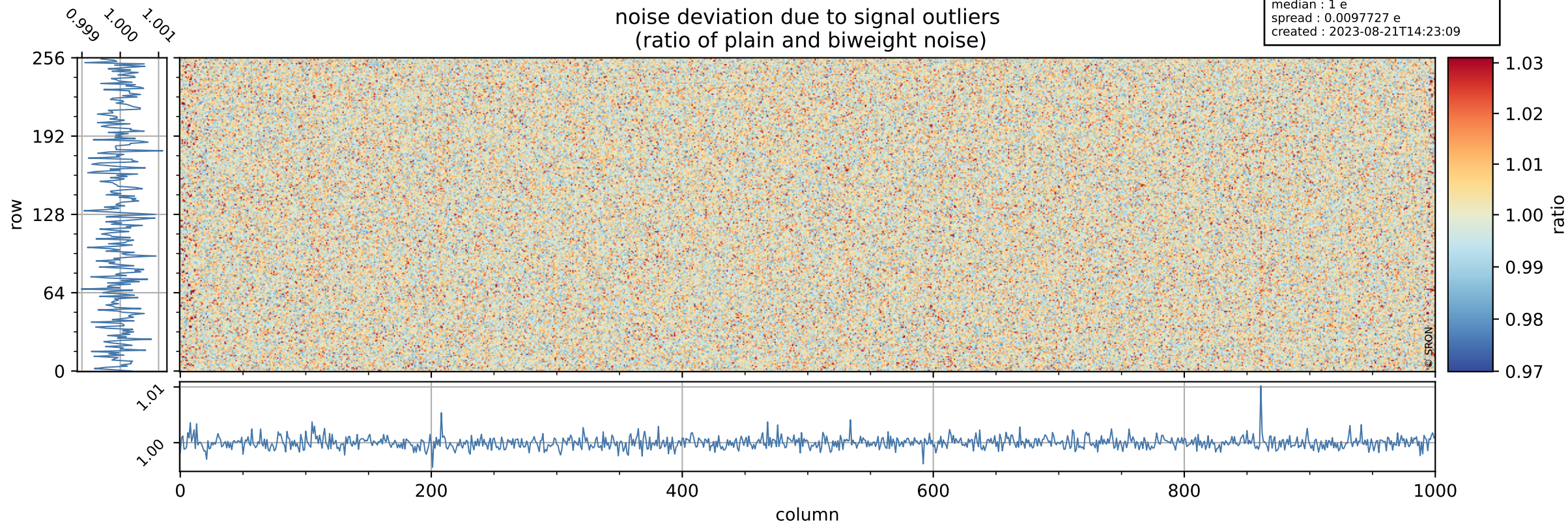




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
median : 1 e  
spread : 0.0097727 e  
created : 2023-08-21T14:23:09

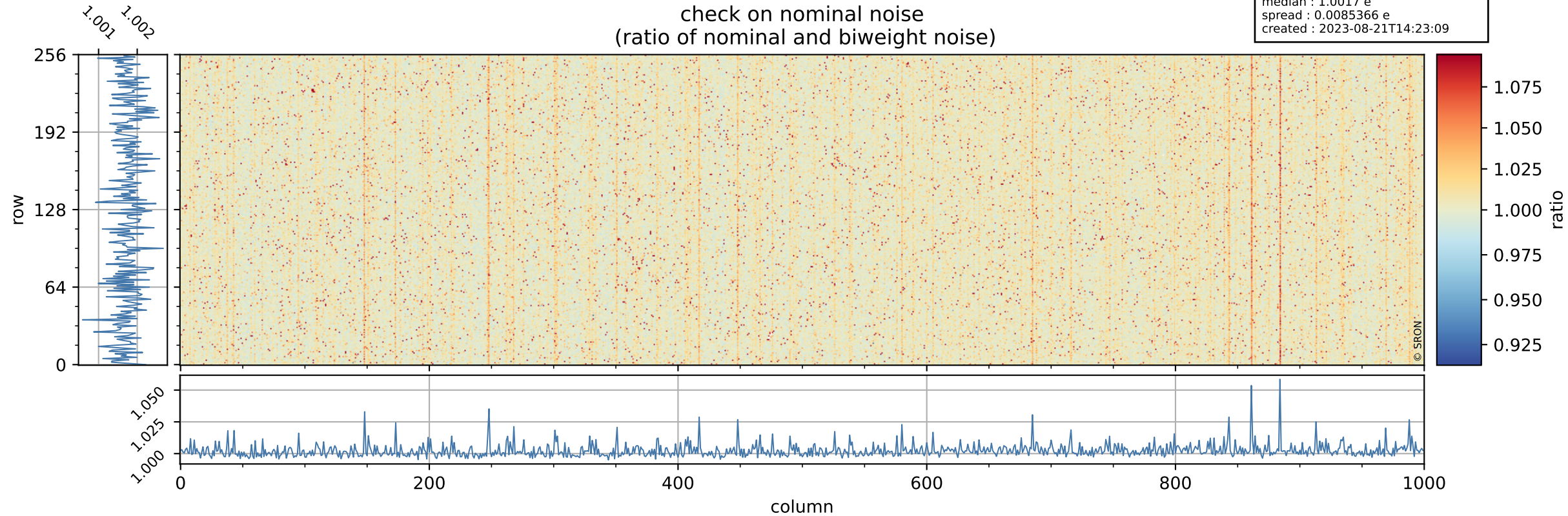




# Tropomi SWIR background noise (swir)

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

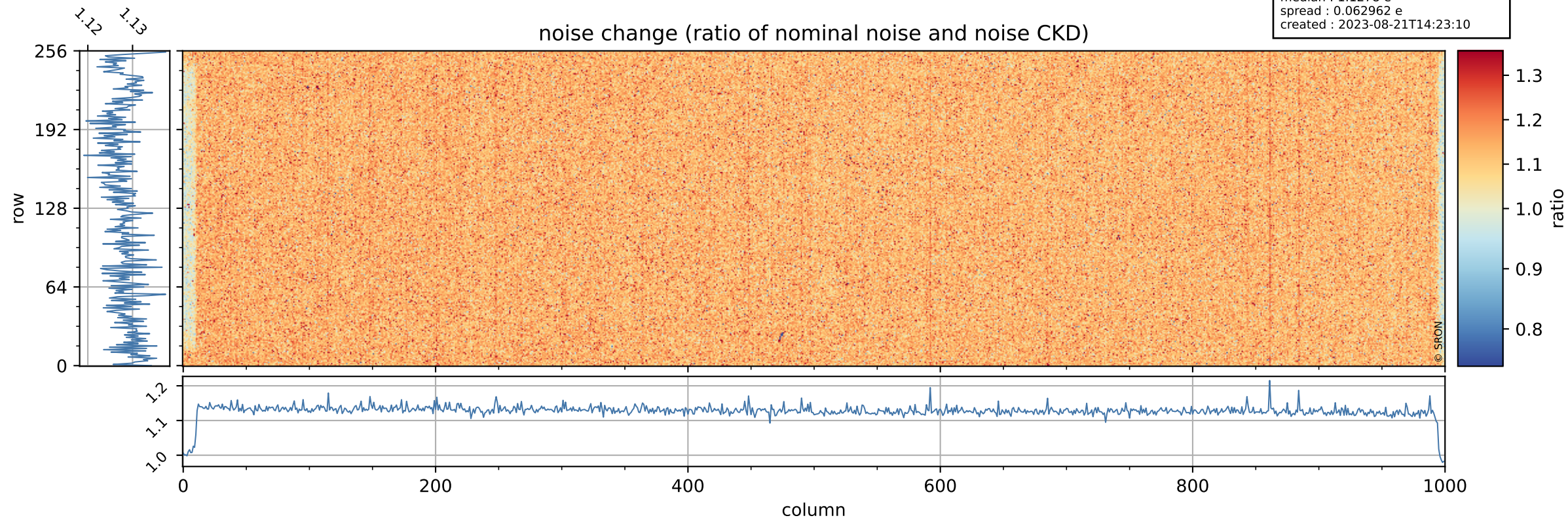
orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
median : 1.0017 e  
spread : 0.0085366 e  
created : 2023-08-21T14:23:09



# Tropomi SWIR background noise (swir)

orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
median : 1.1278 e  
spread : 0.062962 e  
created : 2023-08-21T14:23:10

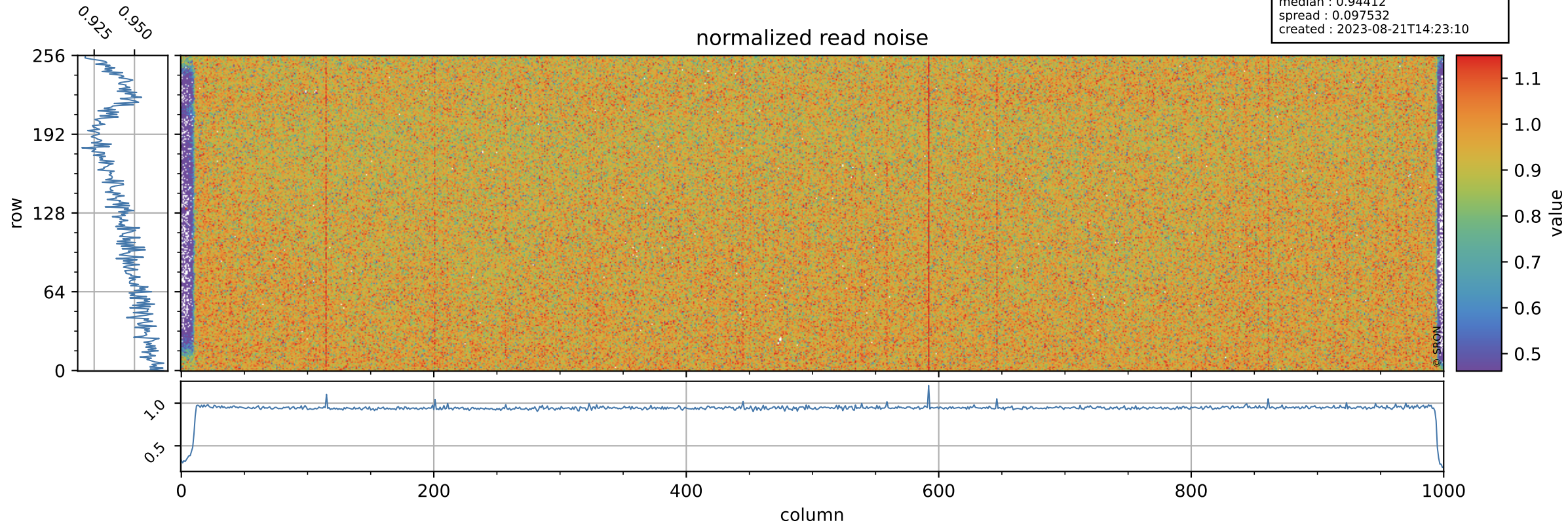
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

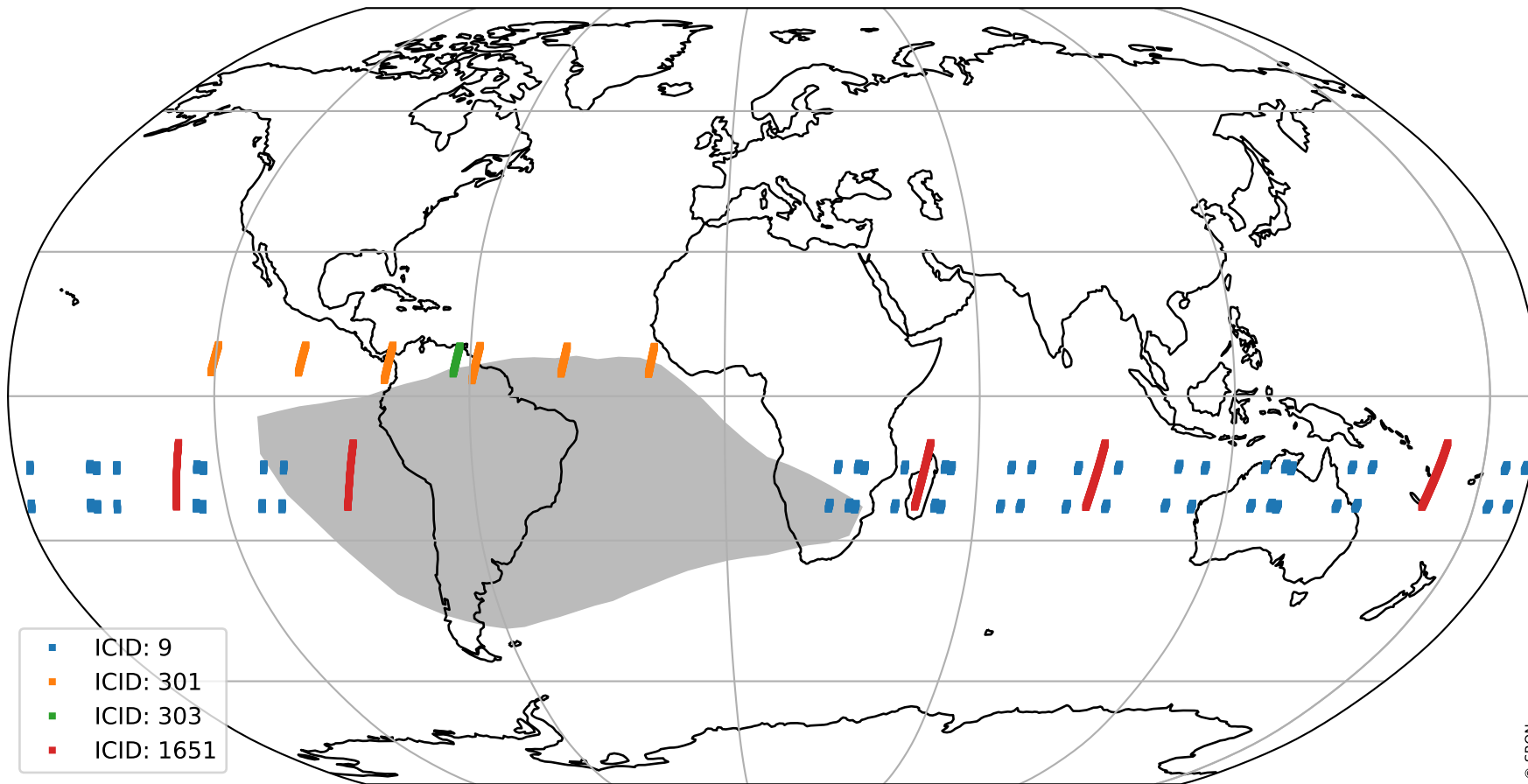
orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
median : 0.94412  
spread : 0.097532  
created : 2023-08-21T14:23:10





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

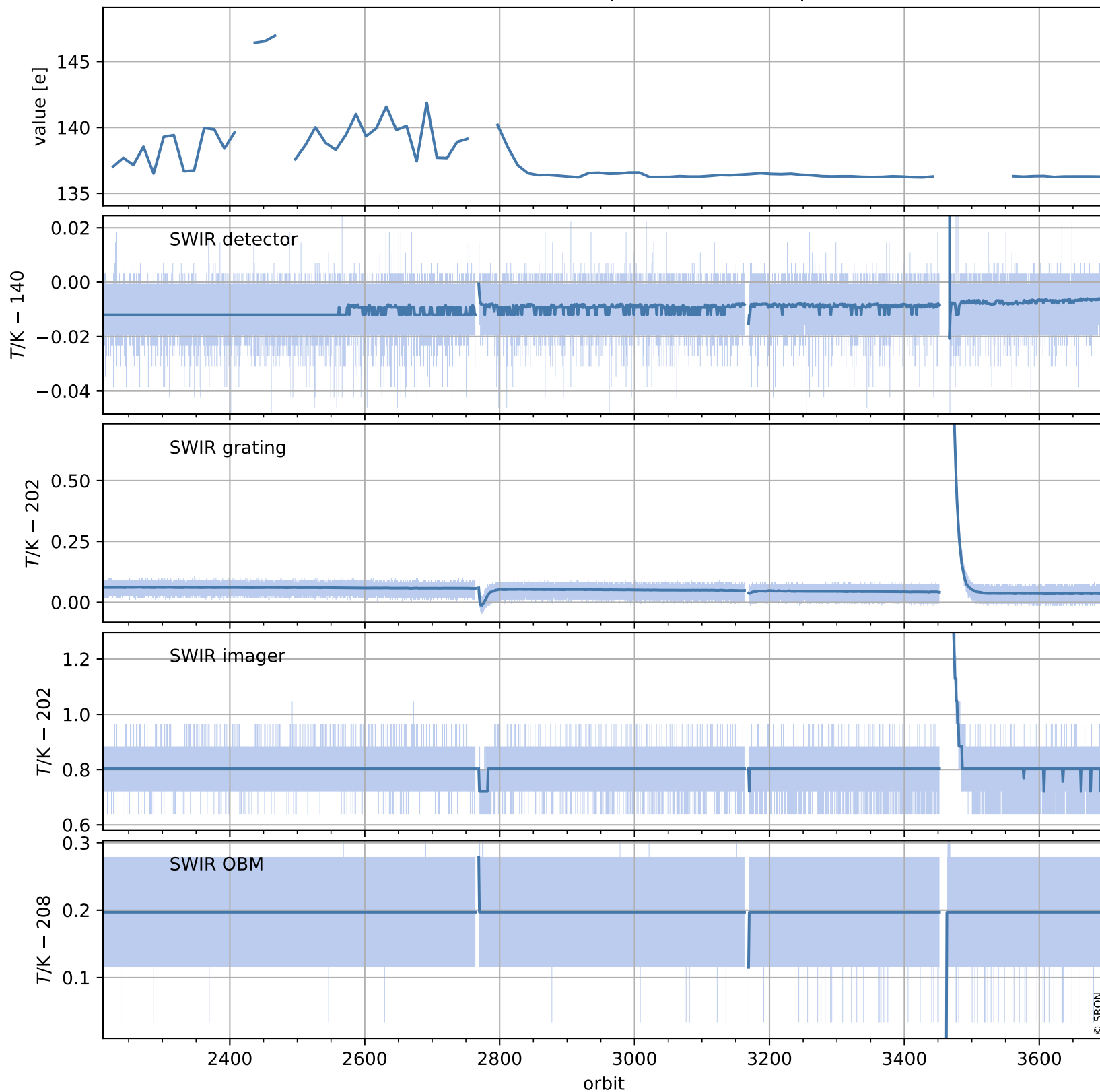
orbits : 12 in [3622, 3697]  
coverage : 2018-06-25 / 2018-06-30  
created : 2023-08-21T14:23:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 3697]  
coverage : 2018-03-18 / 2018-06-30  
created : 2023-08-21T14:23:10

## trend of detector median of plain noise & temperatures

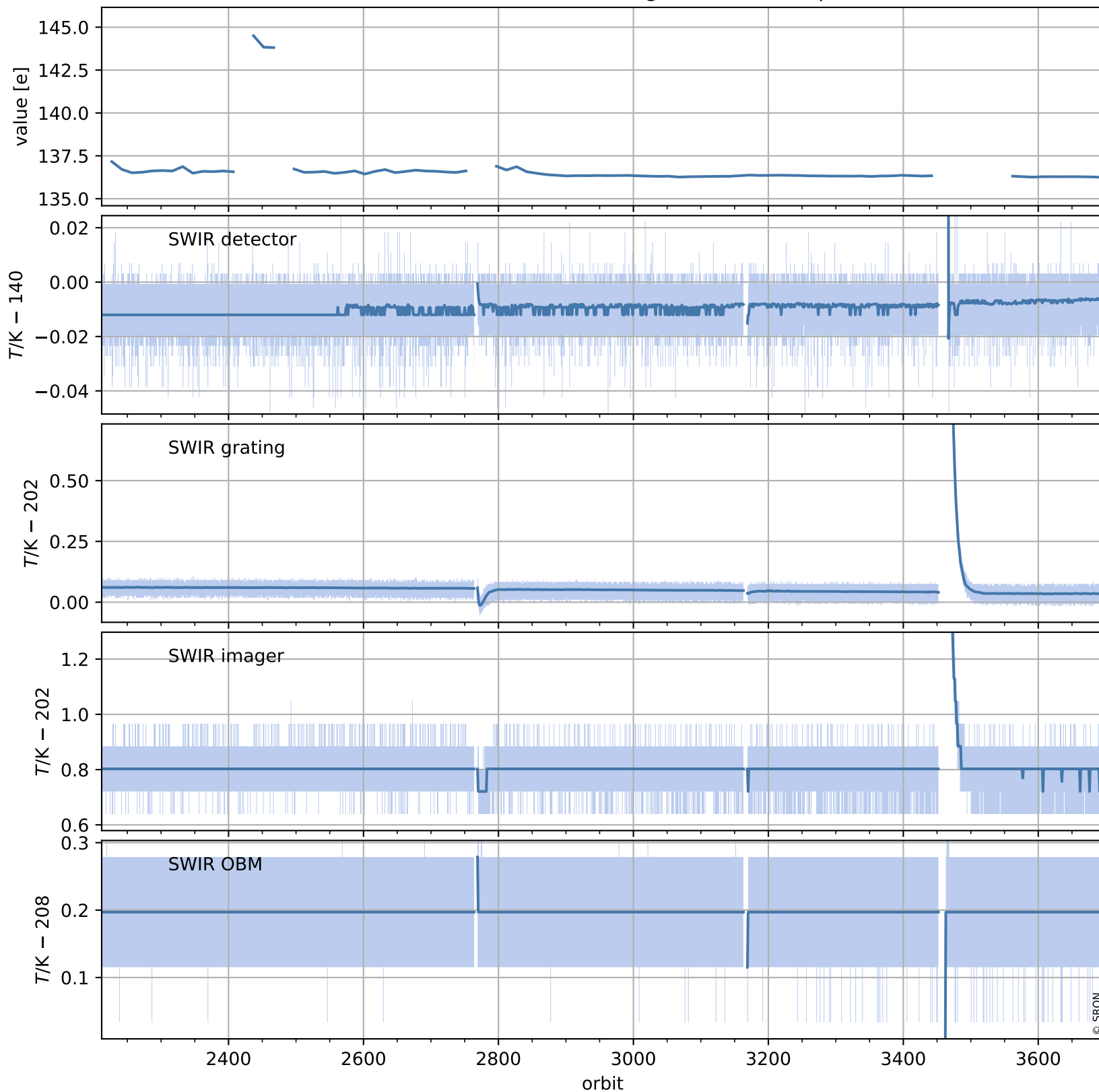




# Tropomi SWIR background noise (swir)

orbits : [2212, 3697]  
coverage : 2018-03-18 / 2018-06-30  
created : 2023-08-21T14:23:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3697]  
coverage : 2018-03-18 / 2018-06-30  
created : 2023-08-21T14:23:11

## trend of normalized read-noise & temperatures

