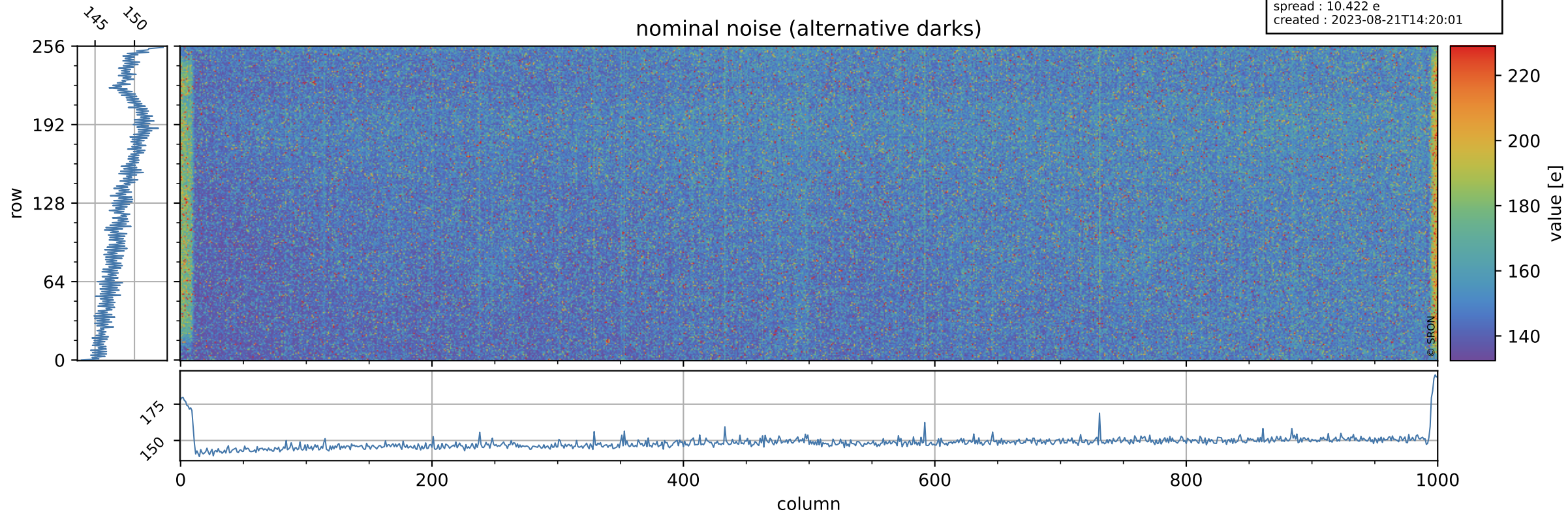


# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.41 e  
spread : 10.422 e  
created : 2023-08-21T14:20:01

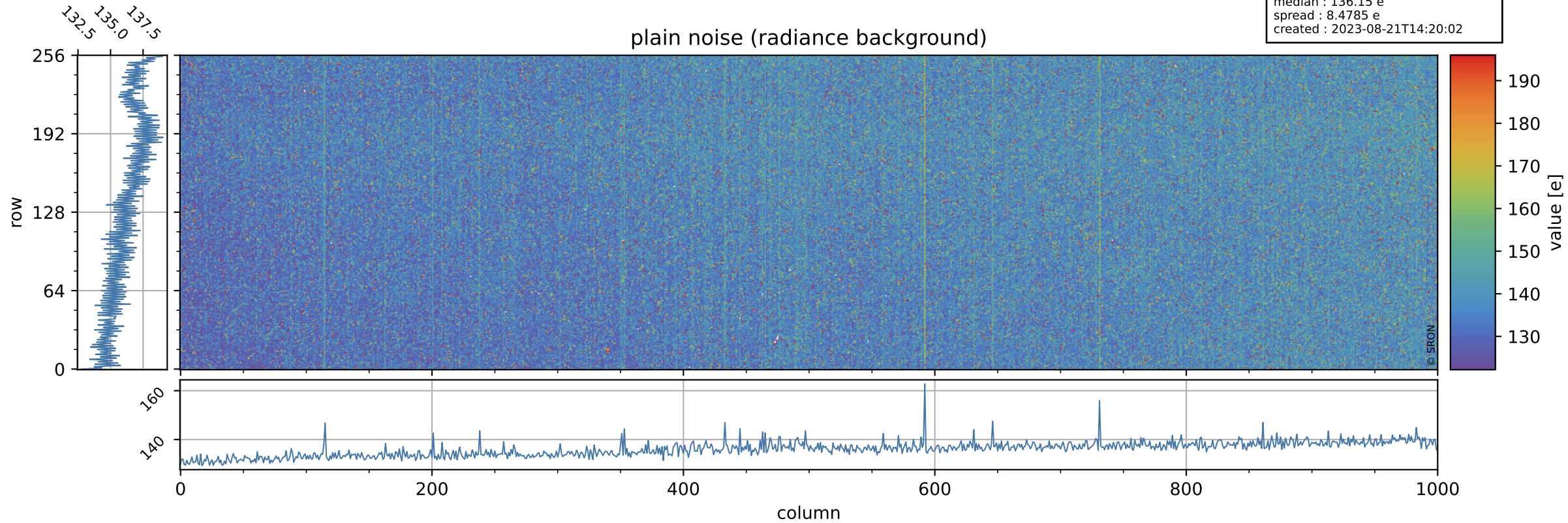
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.4785 e  
created : 2023-08-21T14:20:02

## plain noise (radiance background)

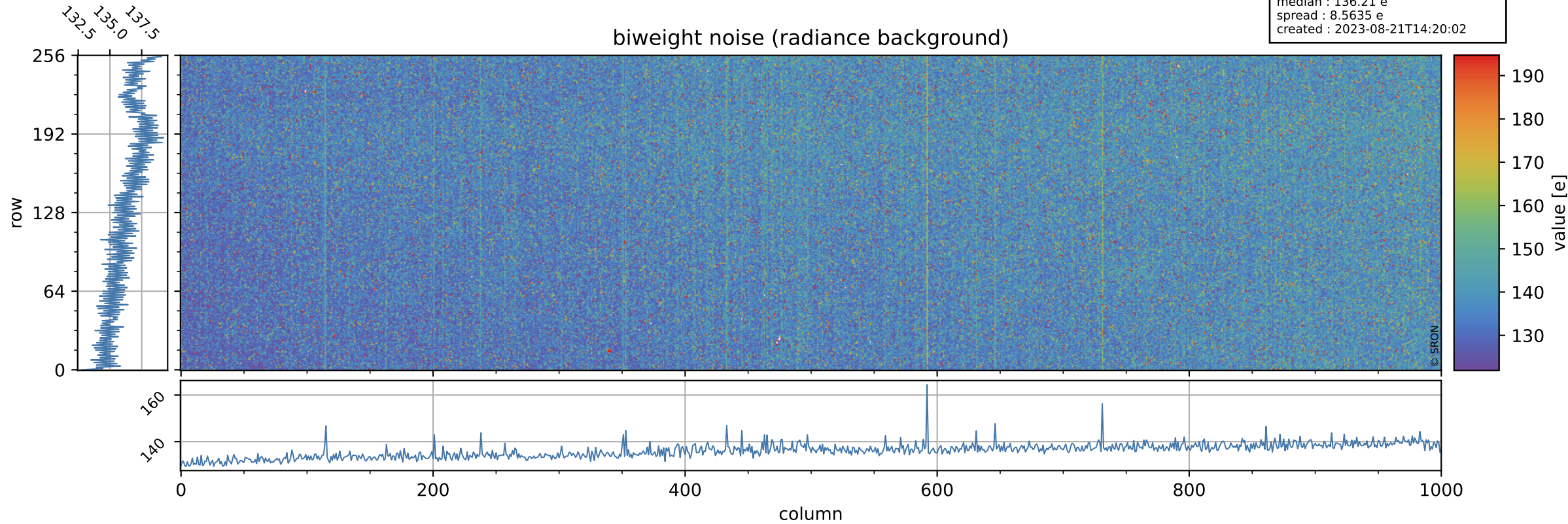




# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.5635 e  
created : 2023-08-21T14:20:02

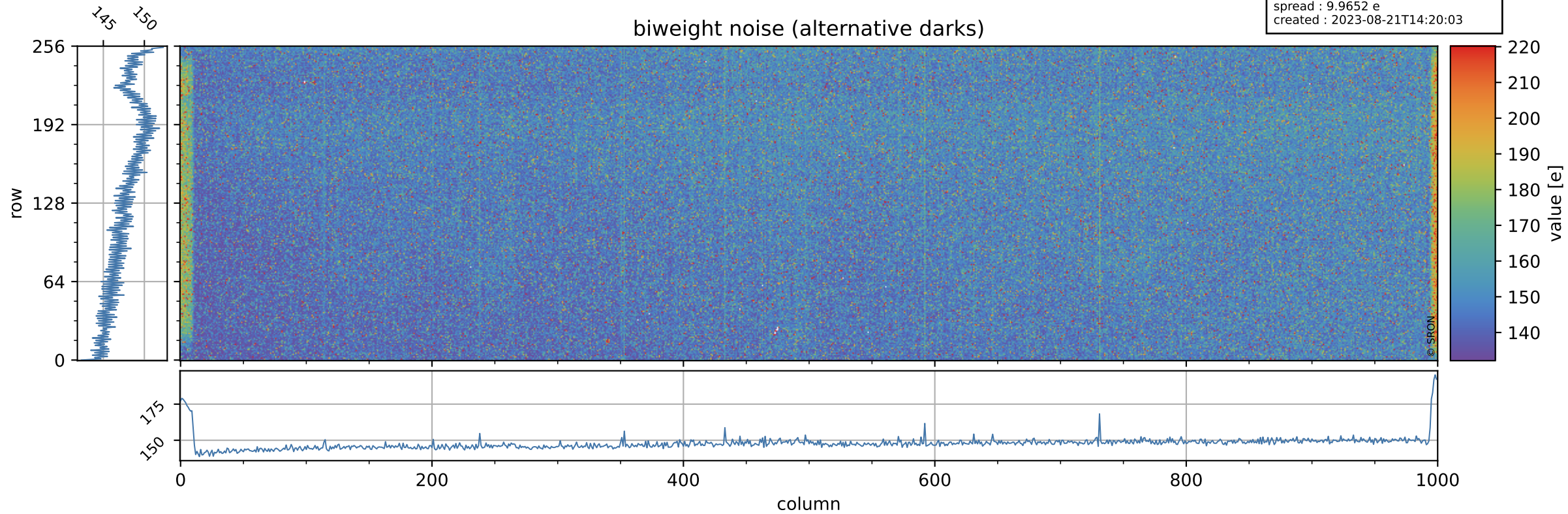
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 9.9652 e  
created : 2023-08-21T14:20:03

## biweight noise (alternative darks)

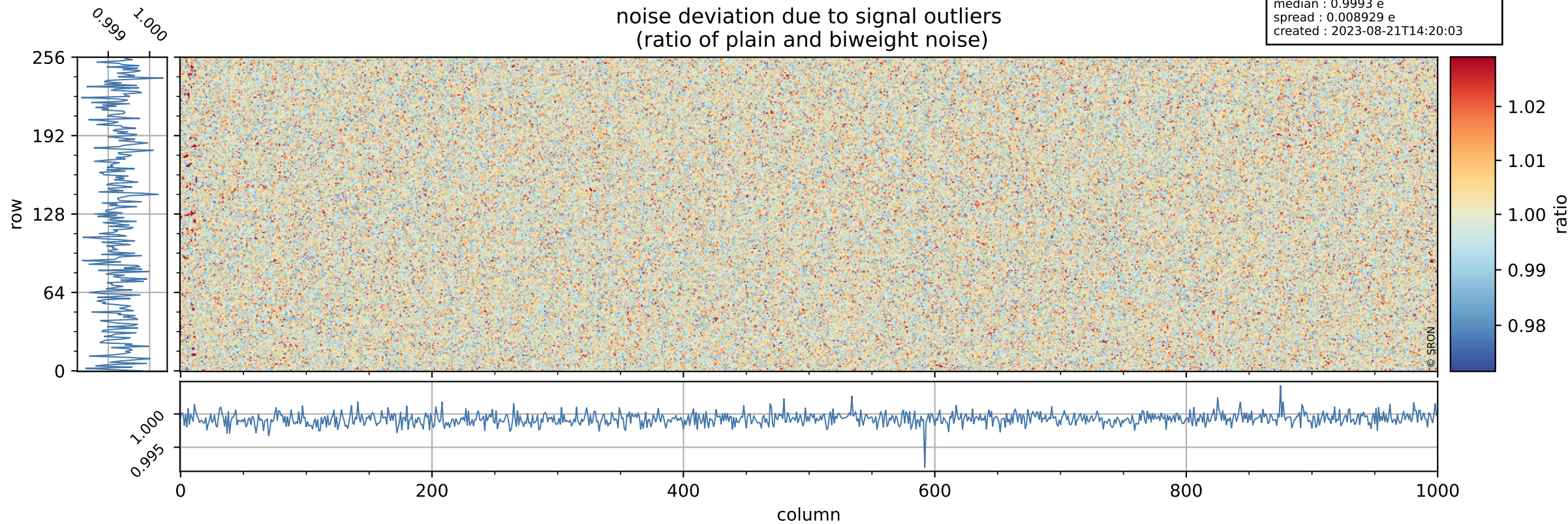




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
median : 0.9993 e  
spread : 0.008929 e  
created : 2023-08-21T14:20:03

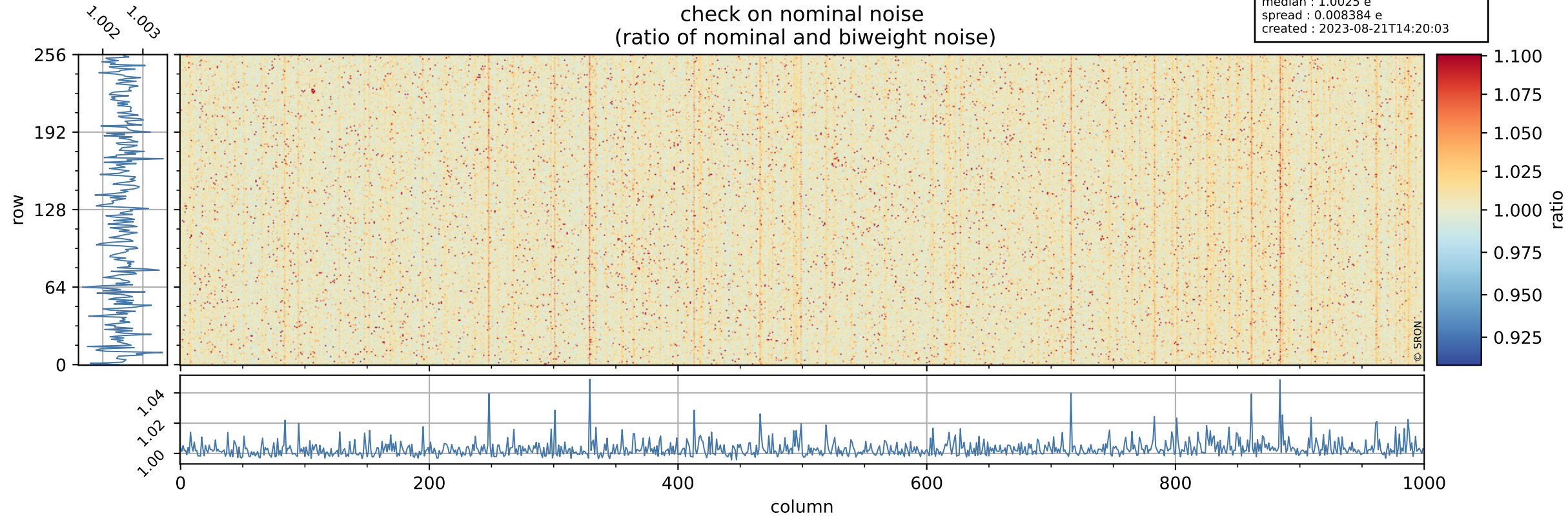




# Tropomi SWIR background noise (swir)

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

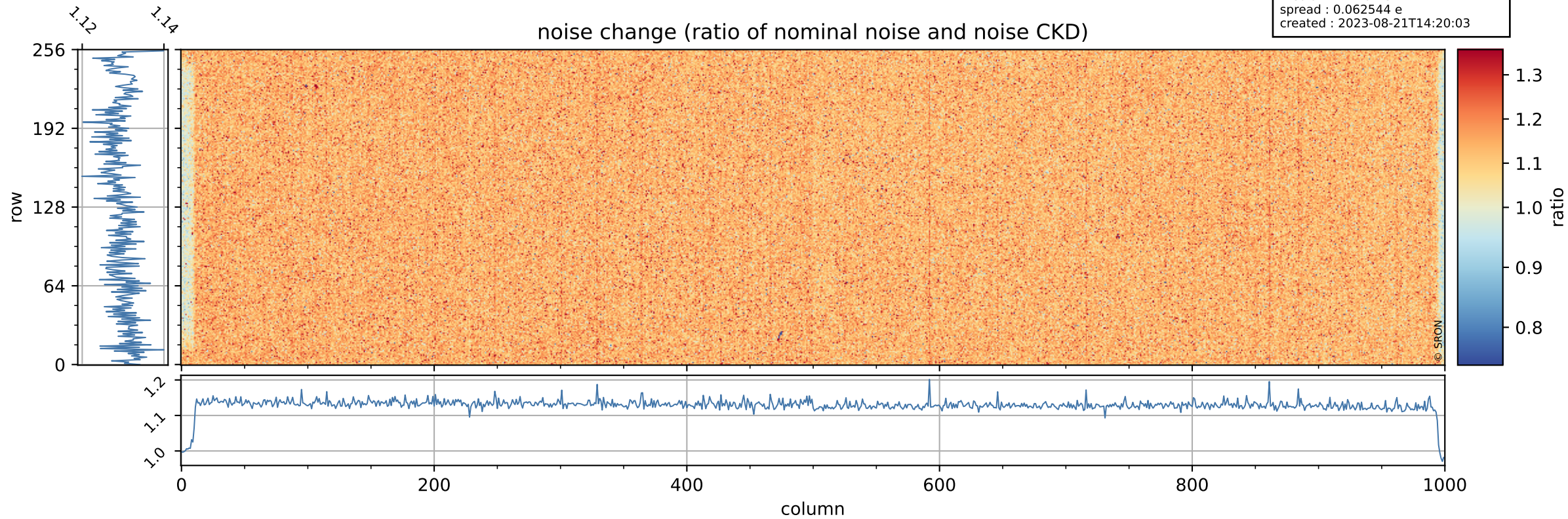
orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
median : 1.0025 e  
spread : 0.008384 e  
created : 2023-08-21T14:20:03



# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
median : 1.1292 e  
spread : 0.062544 e  
created : 2023-08-21T14:20:03

noise change (ratio of nominal noise and noise CKD)

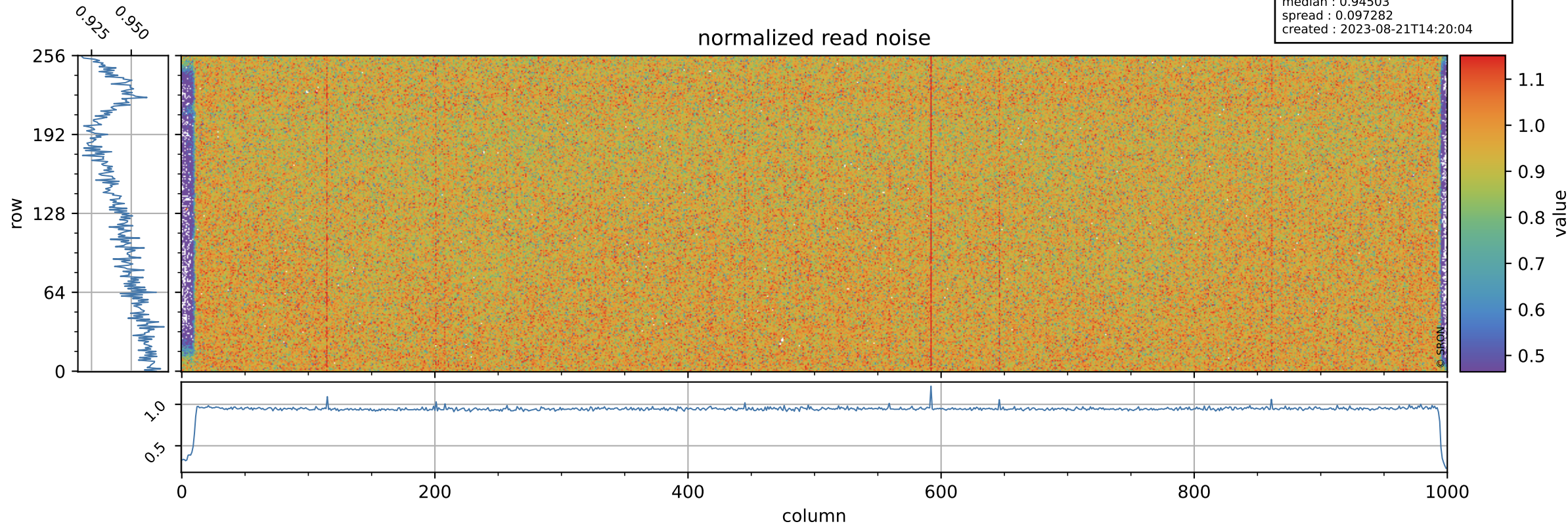




# Tropomi SWIR background noise (swir)

orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
median : 0.94503  
spread : 0.097282  
created : 2023-08-21T14:20:04

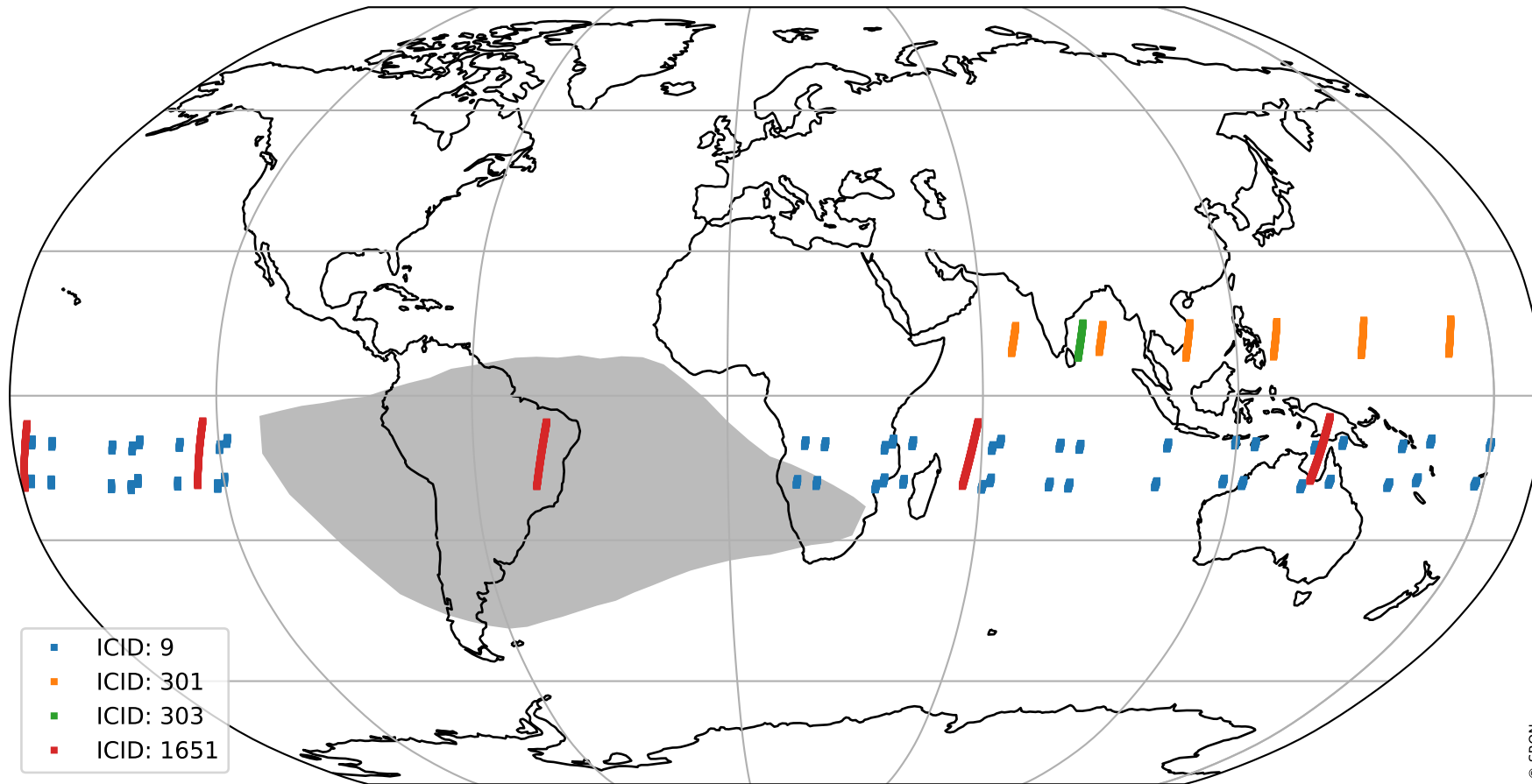
## normalized read noise





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

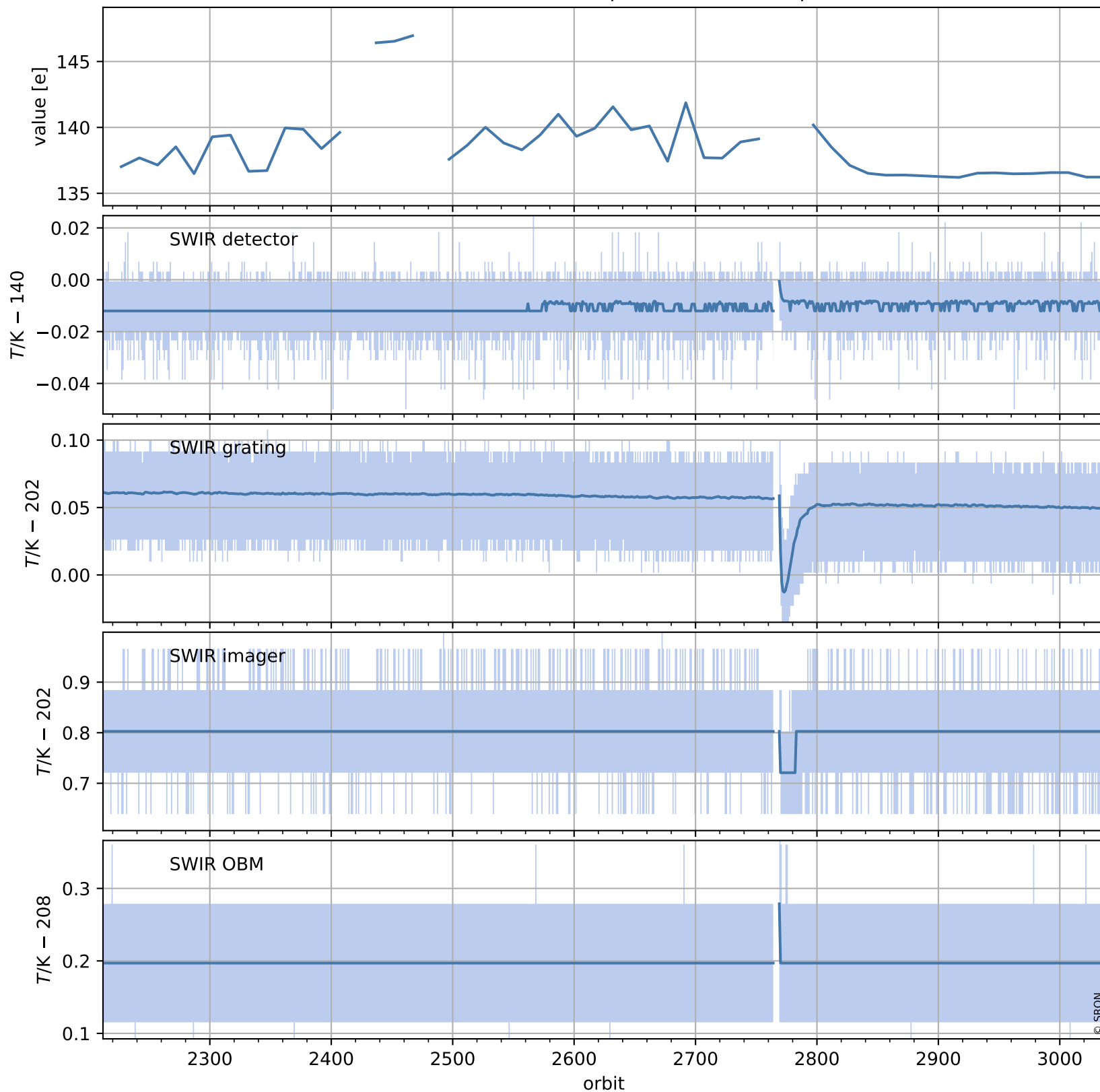
orbits : 12 in [2947, 3037]  
coverage : 2018-05-09 / 2018-05-15  
created : 2023-08-21T14:20:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 3037]  
coverage : 2018-03-18 / 2018-05-15  
created : 2023-08-21T14:20:04

## trend of detector median of plain noise & temperatures

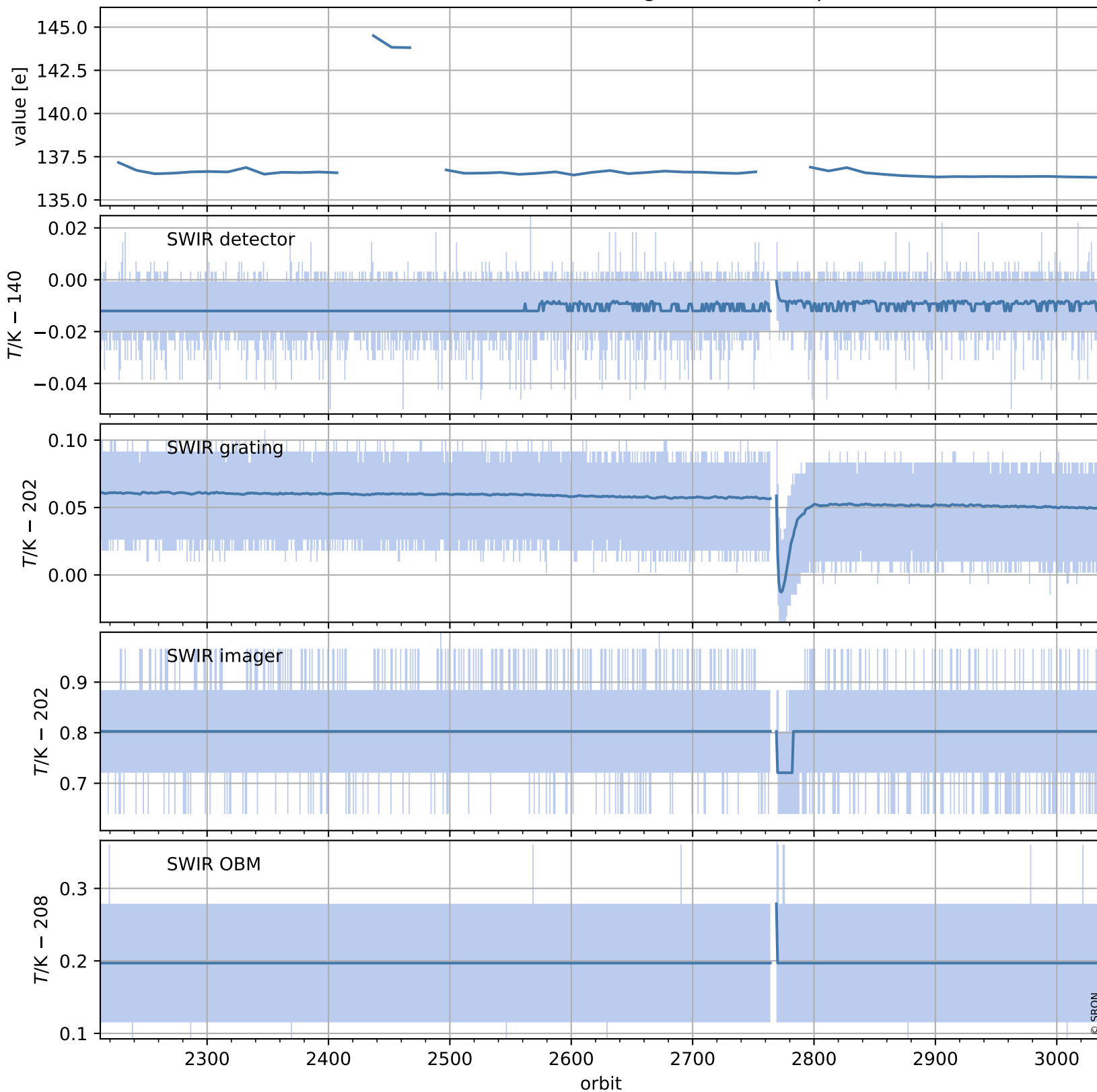




# Tropomi SWIR background noise (swir)

orbits : [2212, 3037]  
coverage : 2018-03-18 / 2018-05-15  
created : 2023-08-21T14:20:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3037]  
coverage : 2018-03-18 / 2018-05-15  
created : 2023-08-21T14:20:05

## trend of normalized read-noise & temperatures

