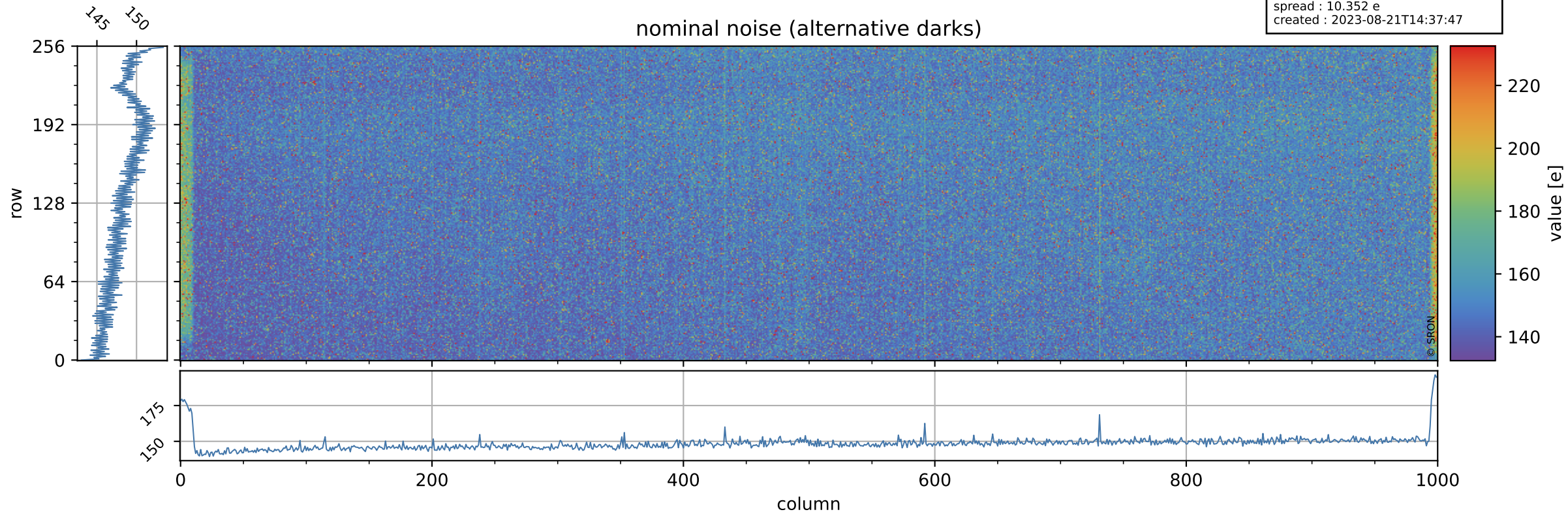


# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
n\_coad, t\_exp : 1, 1.0783  
median : 148.21 e  
spread : 10.352 e  
created : 2023-08-21T14:37:47

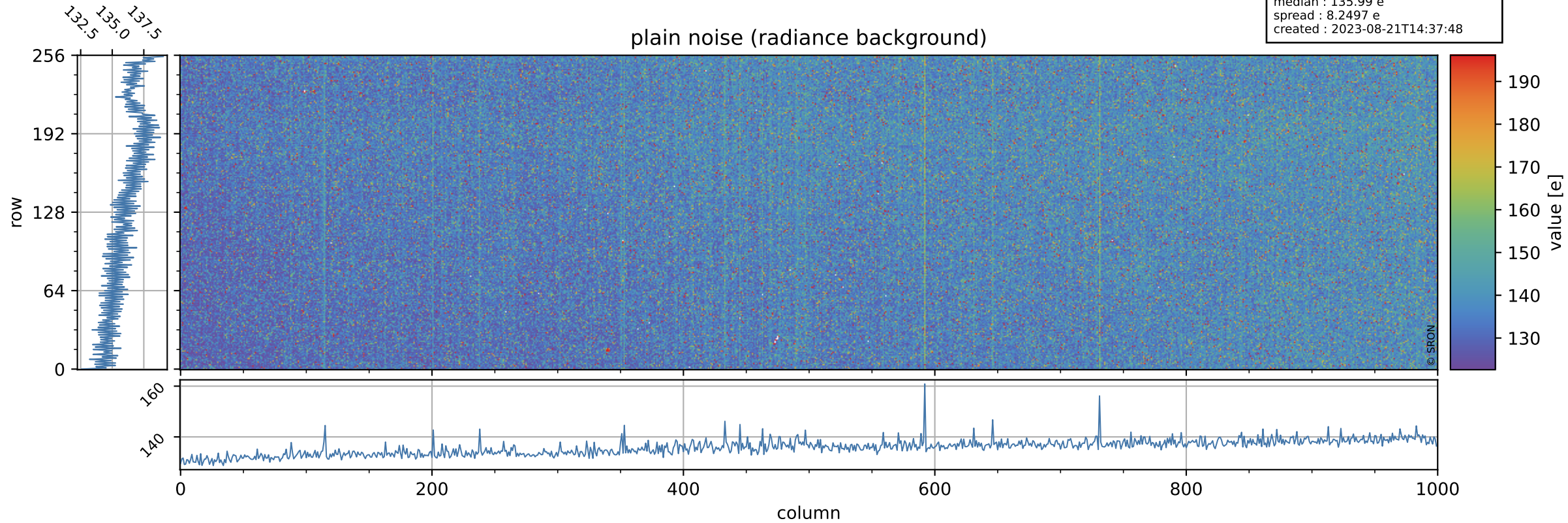
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
n\_coad, t\_exp : 2, 0.5383  
median : 135.99 e  
spread : 8.2497 e  
created : 2023-08-21T14:37:48

## plain noise (radiance background)

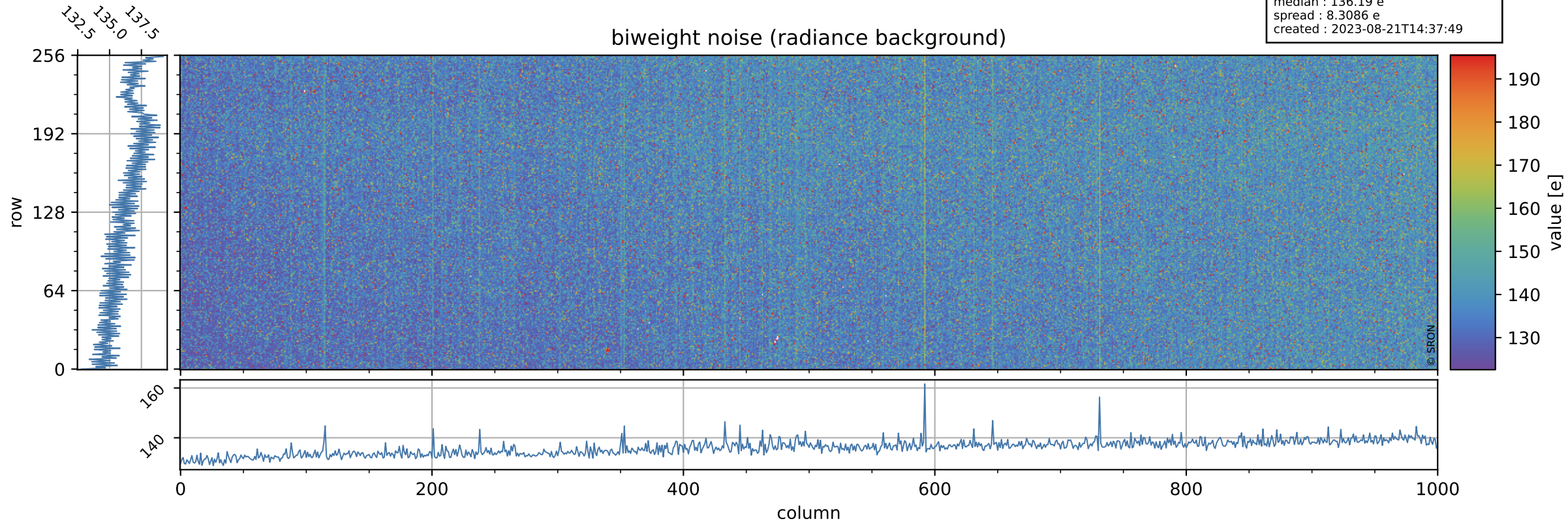




# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.3086 e  
created : 2023-08-21T14:37:49

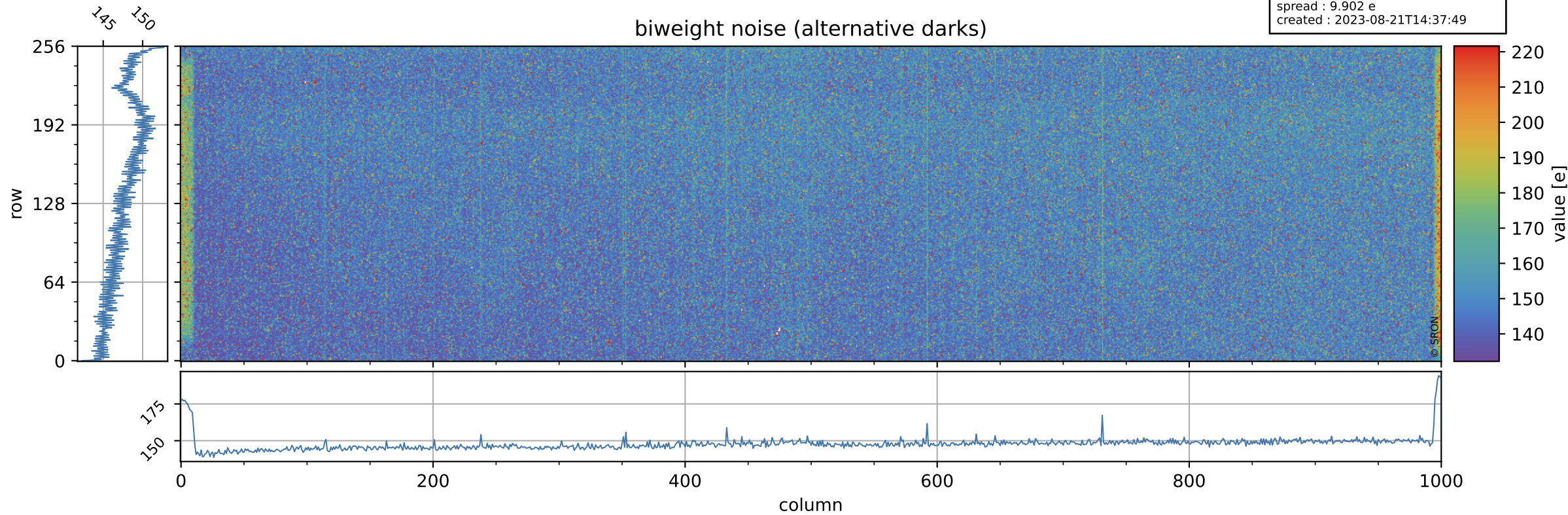
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.902 e  
created : 2023-08-21T14:37:49

## biweight noise (alternative darks)

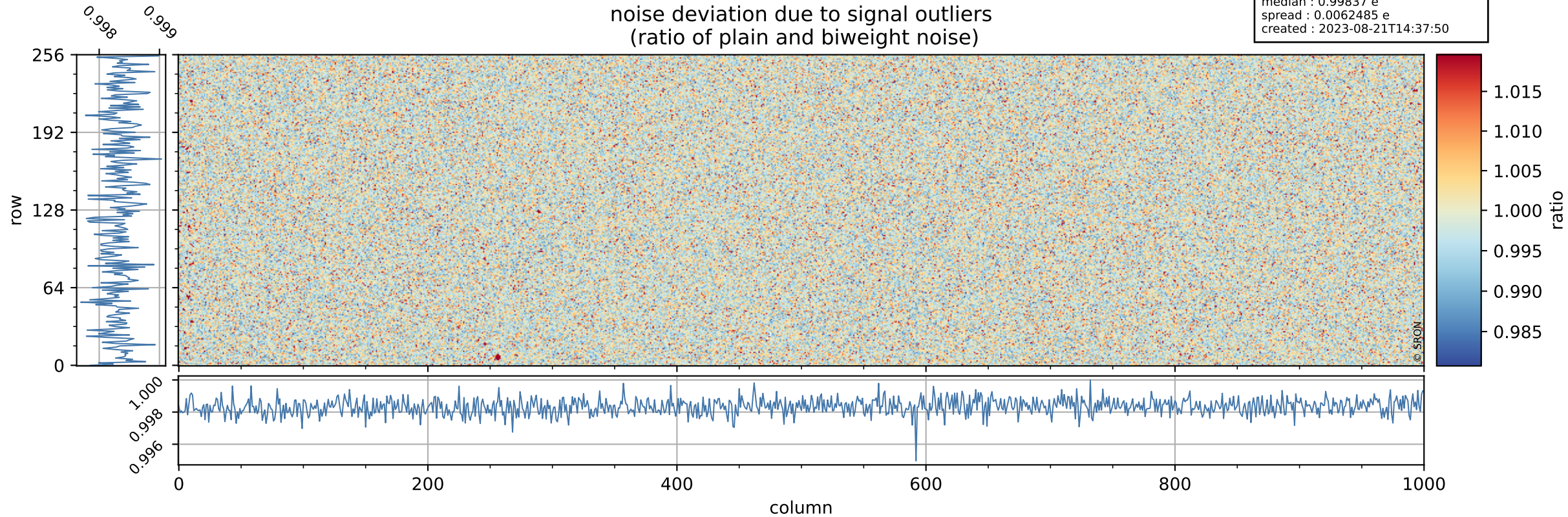




# Tropomi SWIR background noise (swir)

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

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
median : 0.99837 e  
spread : 0.0062485 e  
created : 2023-08-21T14:37:50

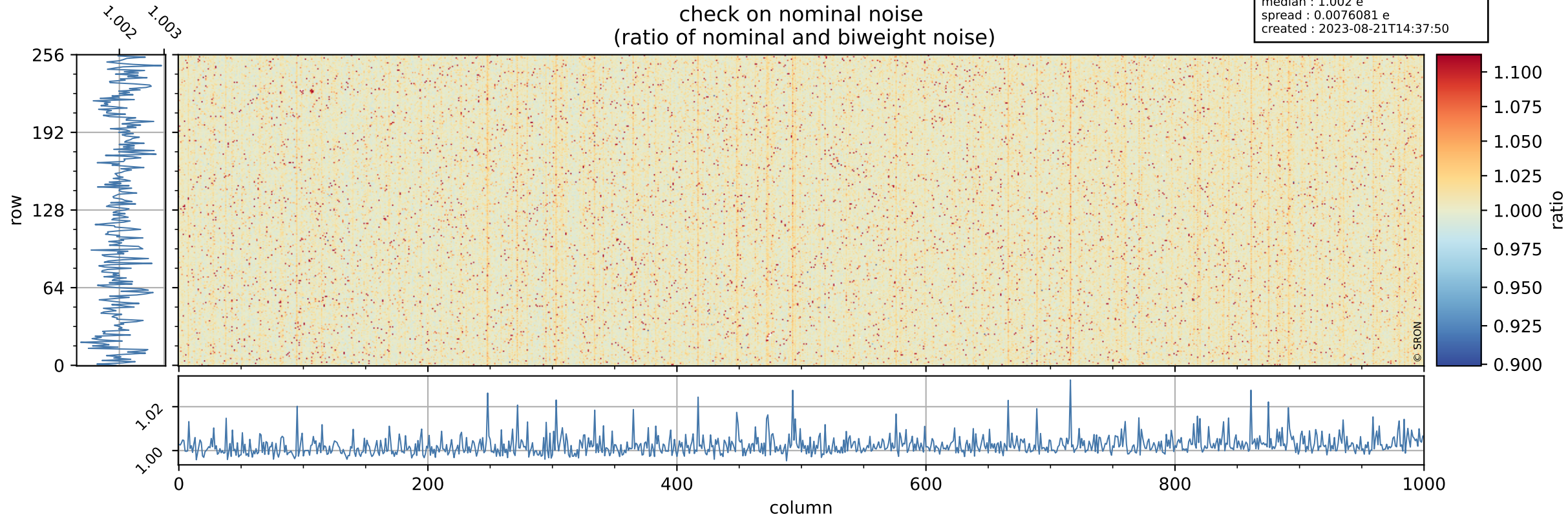




# Tropomi SWIR background noise (swir)

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

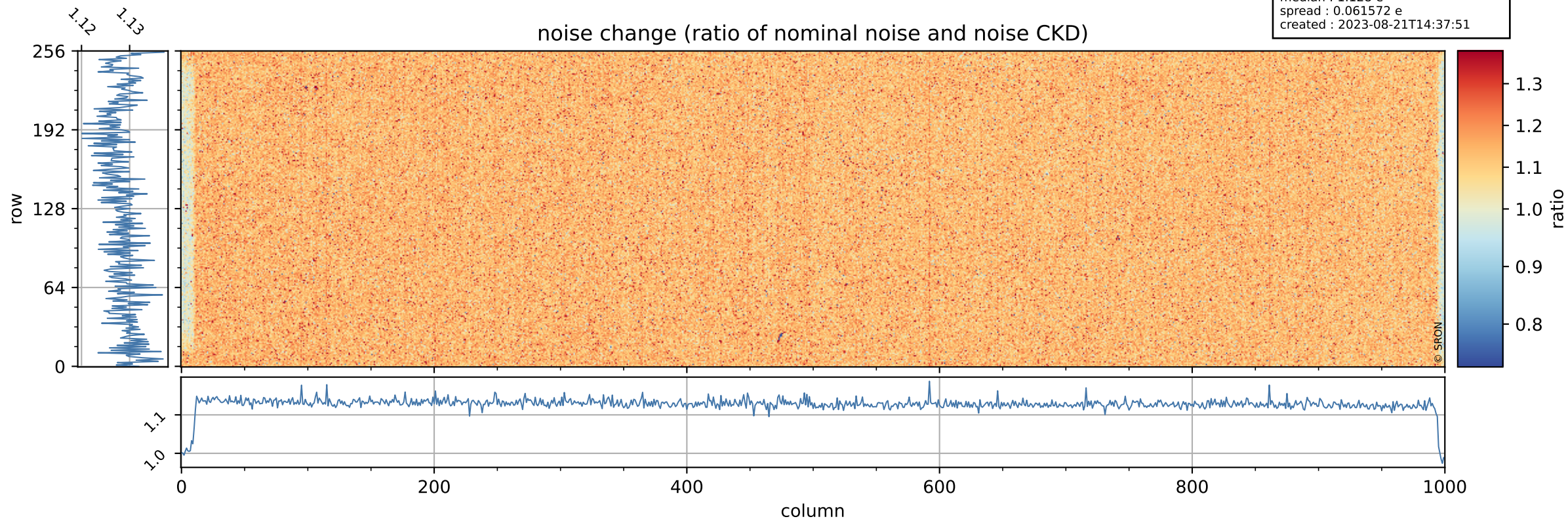
orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
median : 1.002 e  
spread : 0.0076081 e  
created : 2023-08-21T14:37:50



# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
median : 1.128 e  
spread : 0.061572 e  
created : 2023-08-21T14:37:51

noise change (ratio of nominal noise and noise CKD)

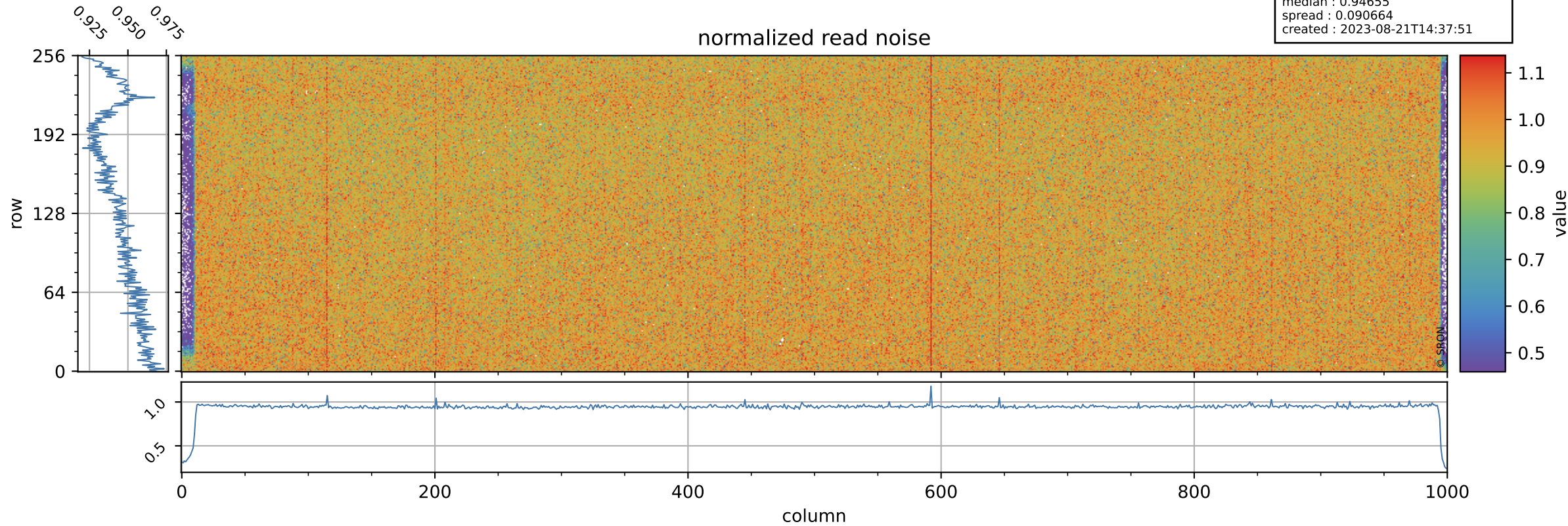




# Tropomi SWIR background noise (swir)

orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
median : 0.94655  
spread : 0.090664  
created : 2023-08-21T14:37:51

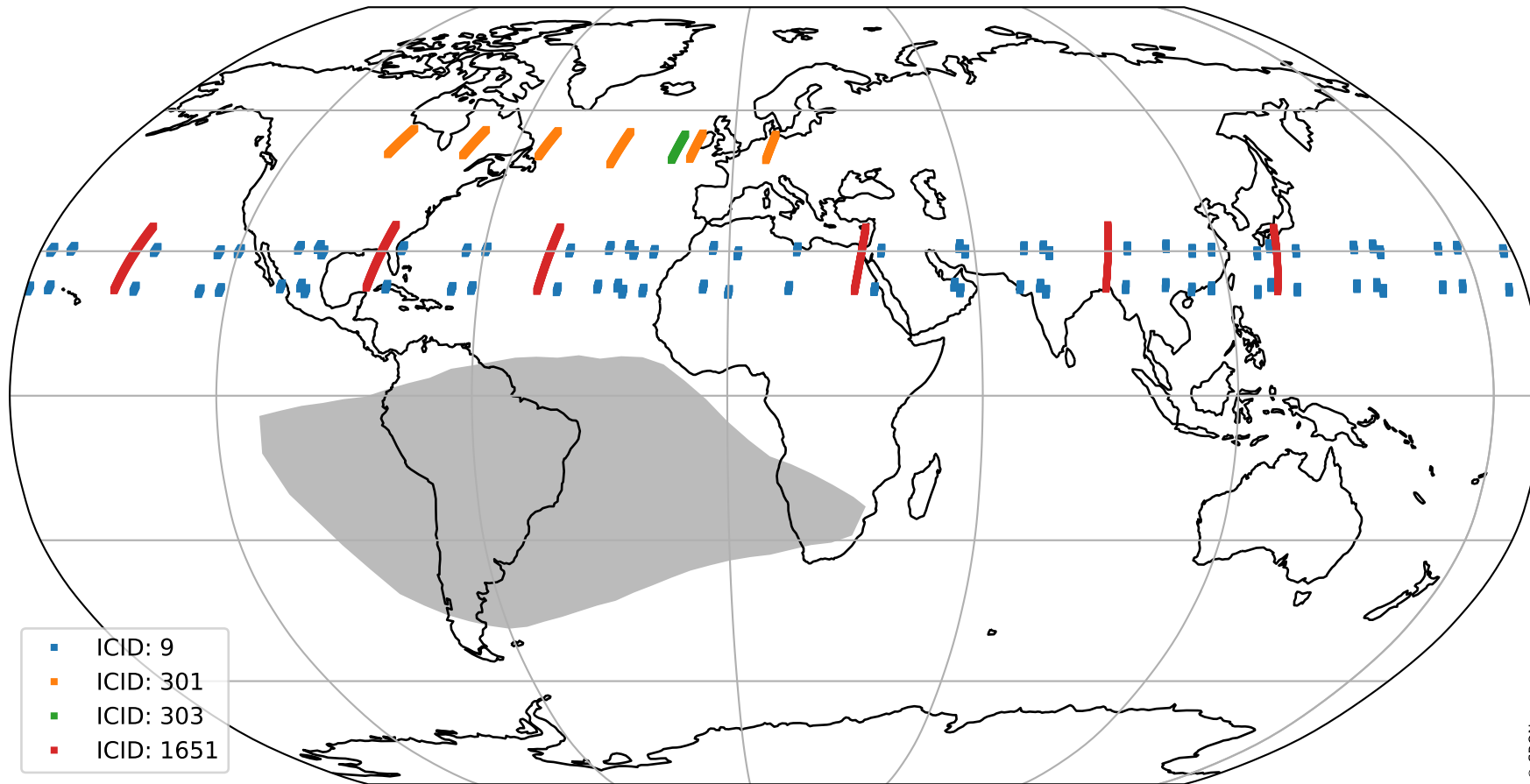
## normalized read noise





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

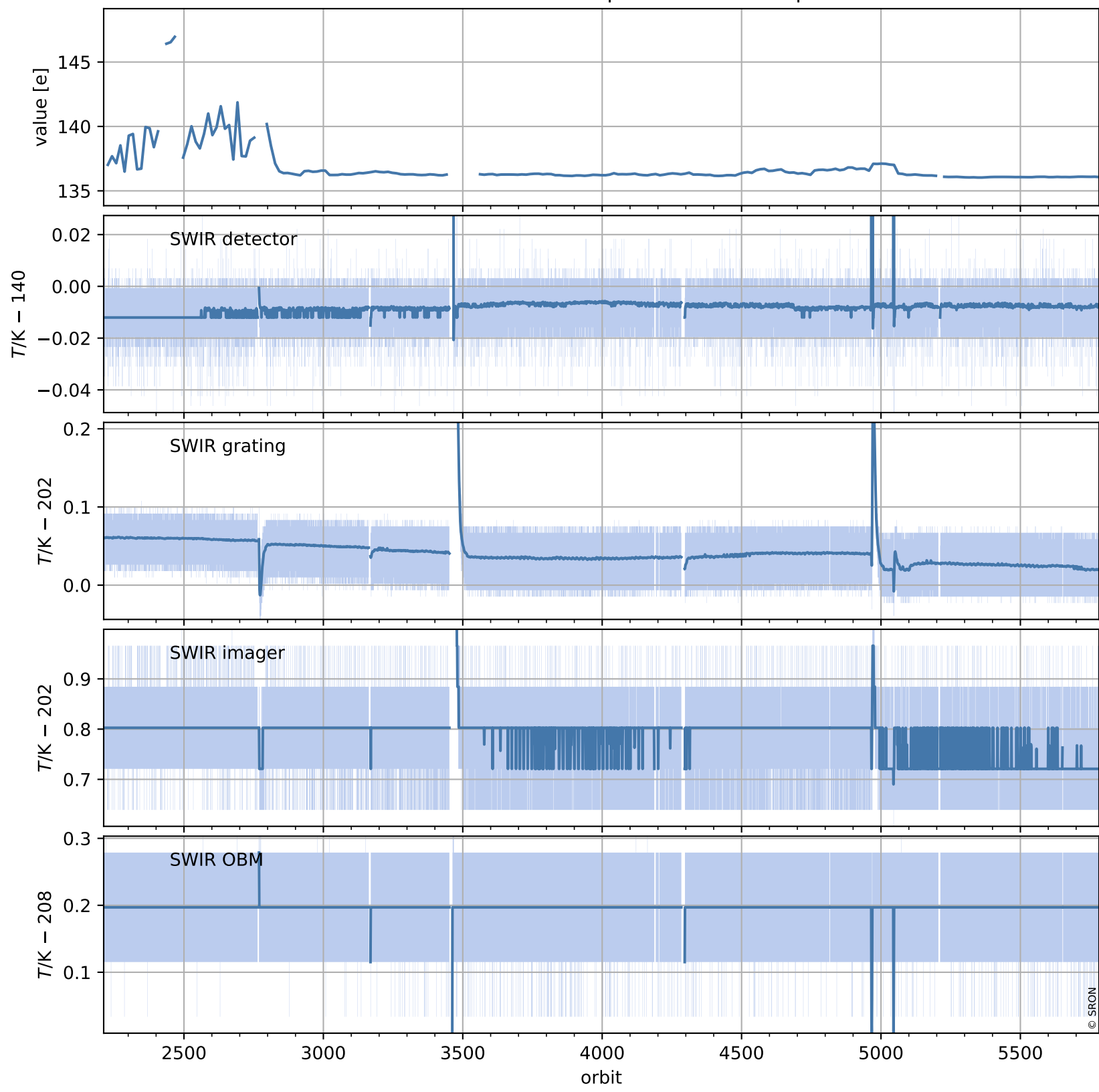
orbits : 13 in [5707, 5782]  
coverage : 2018-11-19 / 2018-11-24  
created : 2023-08-21T14:37:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 5782]  
coverage : 2018-03-18 / 2018-11-24  
created : 2023-08-21T14:37:52

## trend of detector median of plain noise & temperatures

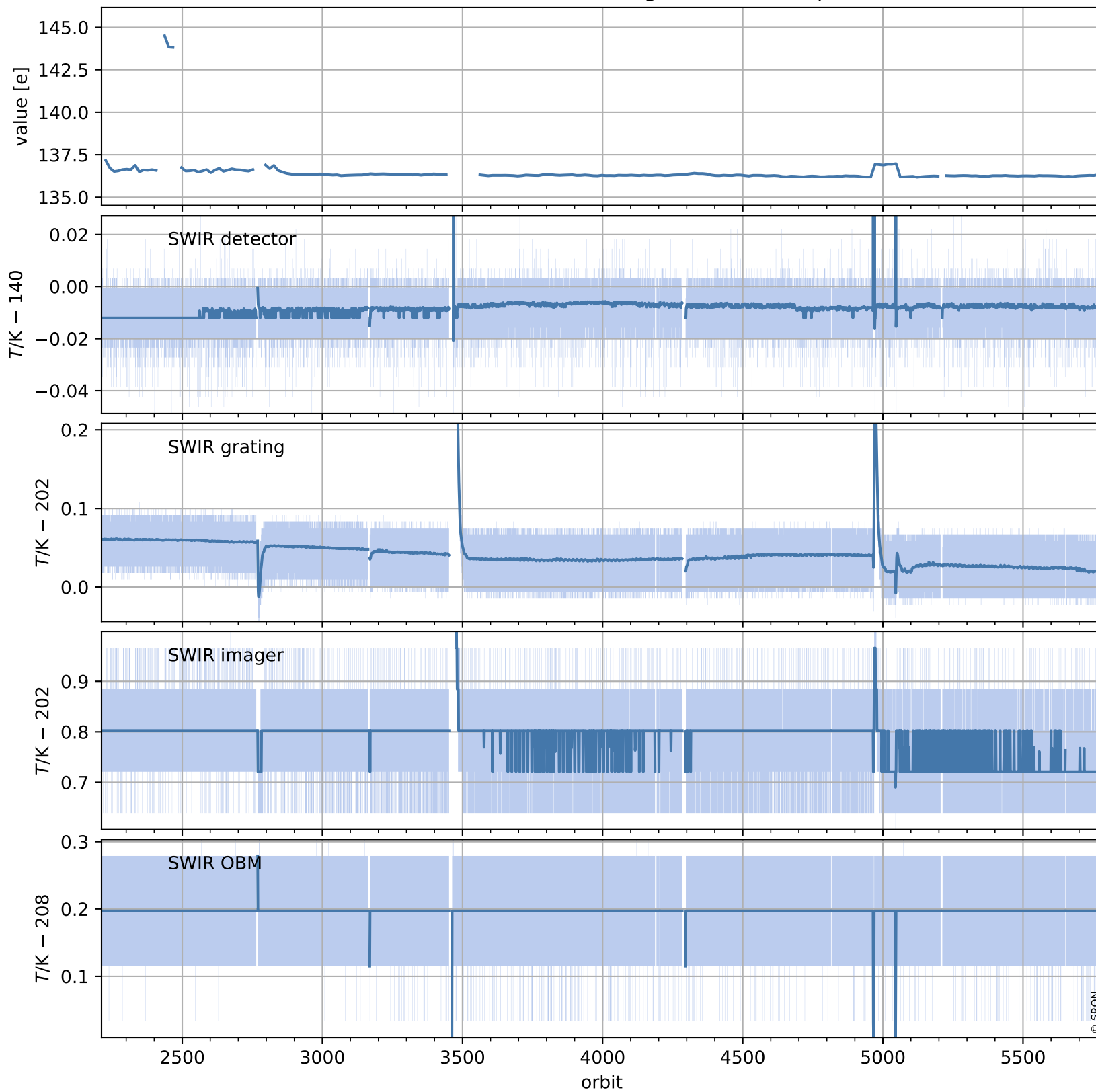




# Tropomi SWIR background noise (swir)

orbits : [2212, 5782]  
coverage : 2018-03-18 / 2018-11-24  
created : 2023-08-21T14:37:53

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5782]  
coverage : 2018-03-18 / 2018-11-24  
created : 2023-08-21T14:37:53

## trend of normalized read-noise & temperatures

