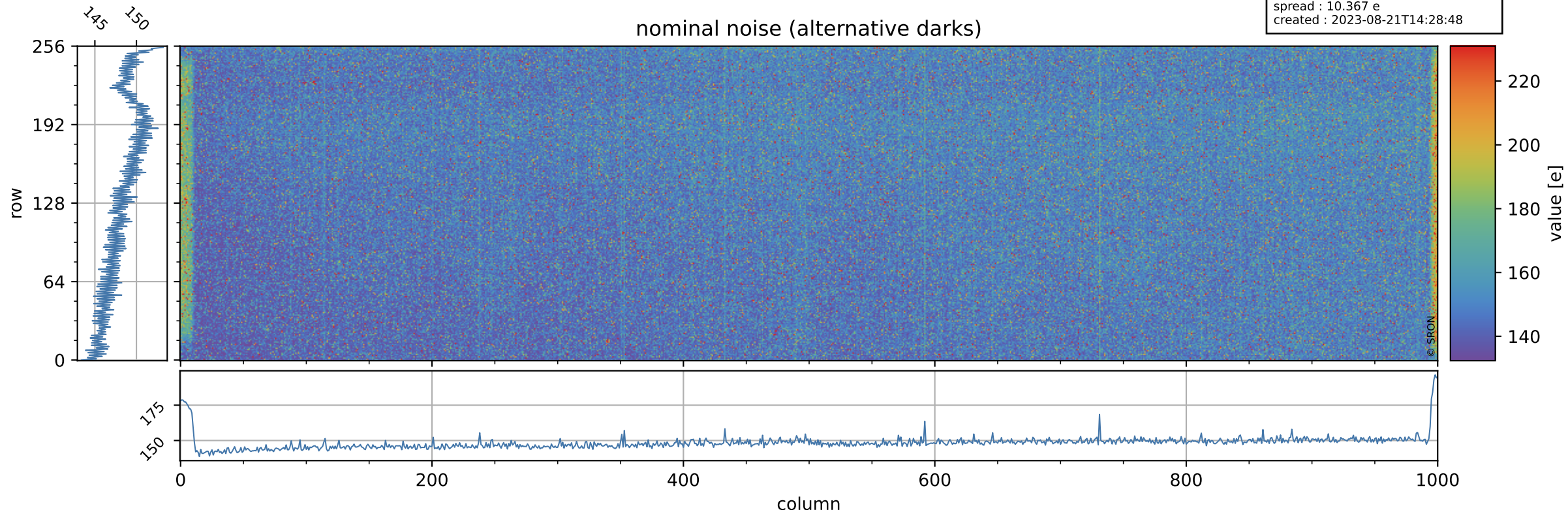


# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.2 e  
spread : 10.367 e  
created : 2023-08-21T14:28:48

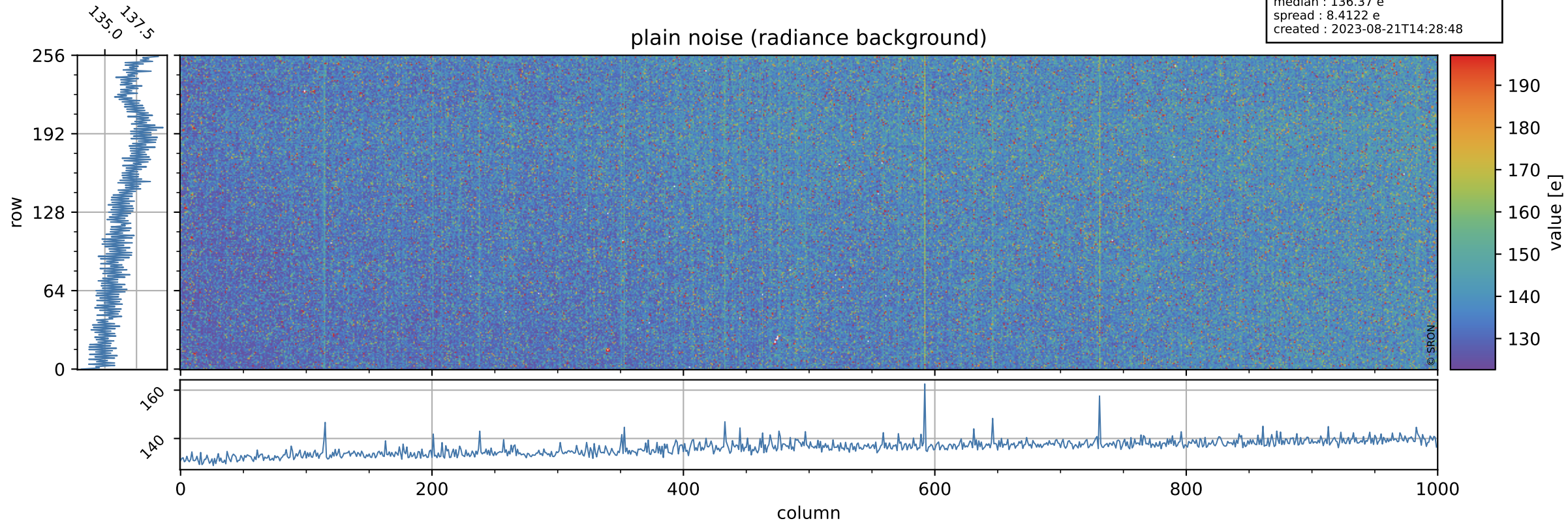
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
n\_coad, t\_exp : 2, 0.5383  
median : 136.37 e  
spread : 8.4122 e  
created : 2023-08-21T14:28:48

plain noise (radiance background)

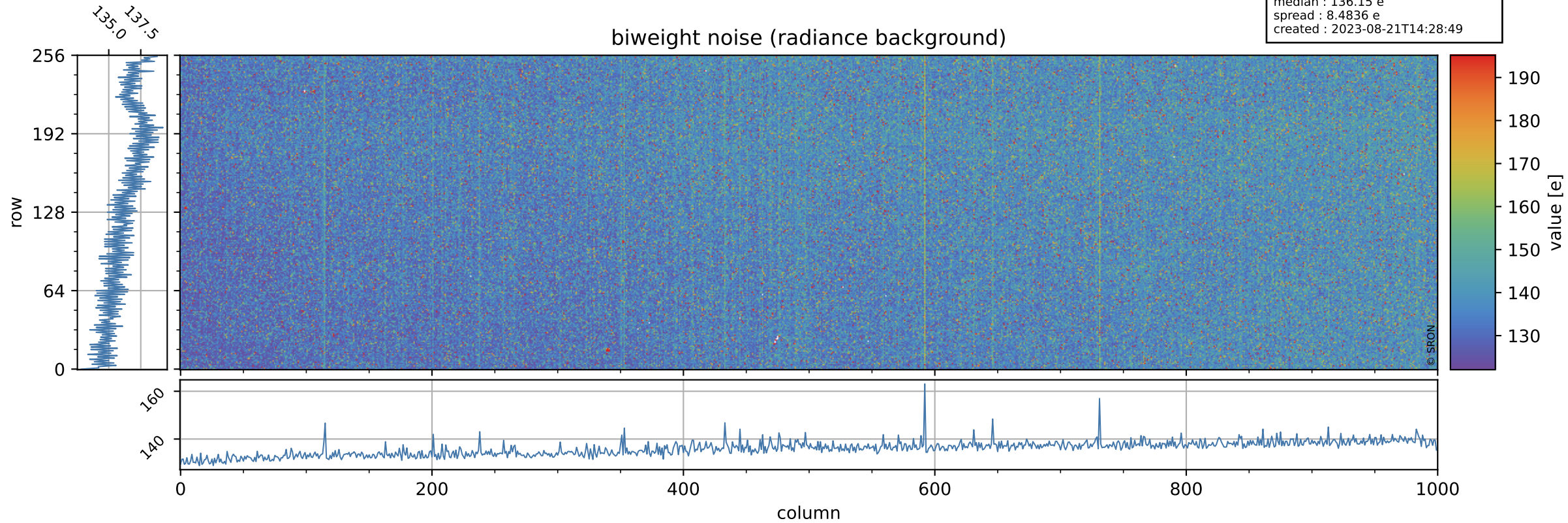




# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
n\_coad, t\_exp : 2, 0.5383  
median : 136.15 e  
spread : 8.4836 e  
created : 2023-08-21T14:28:49

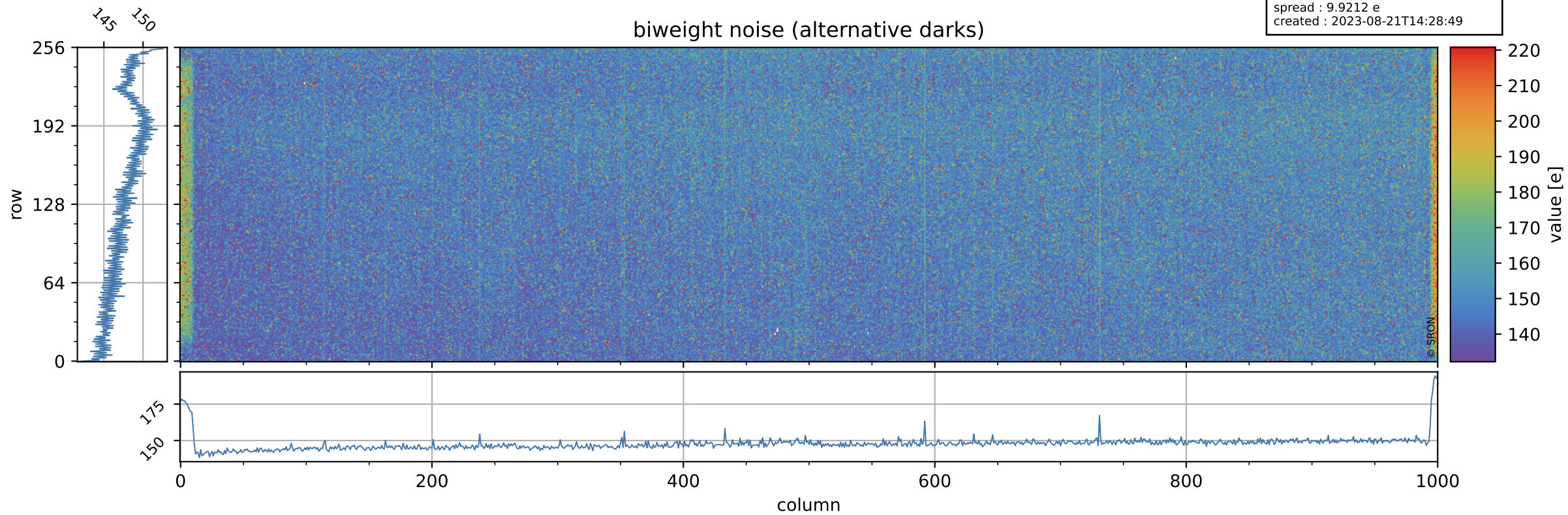
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9212 e  
created : 2023-08-21T14:28:49

## biweight noise (alternative darks)

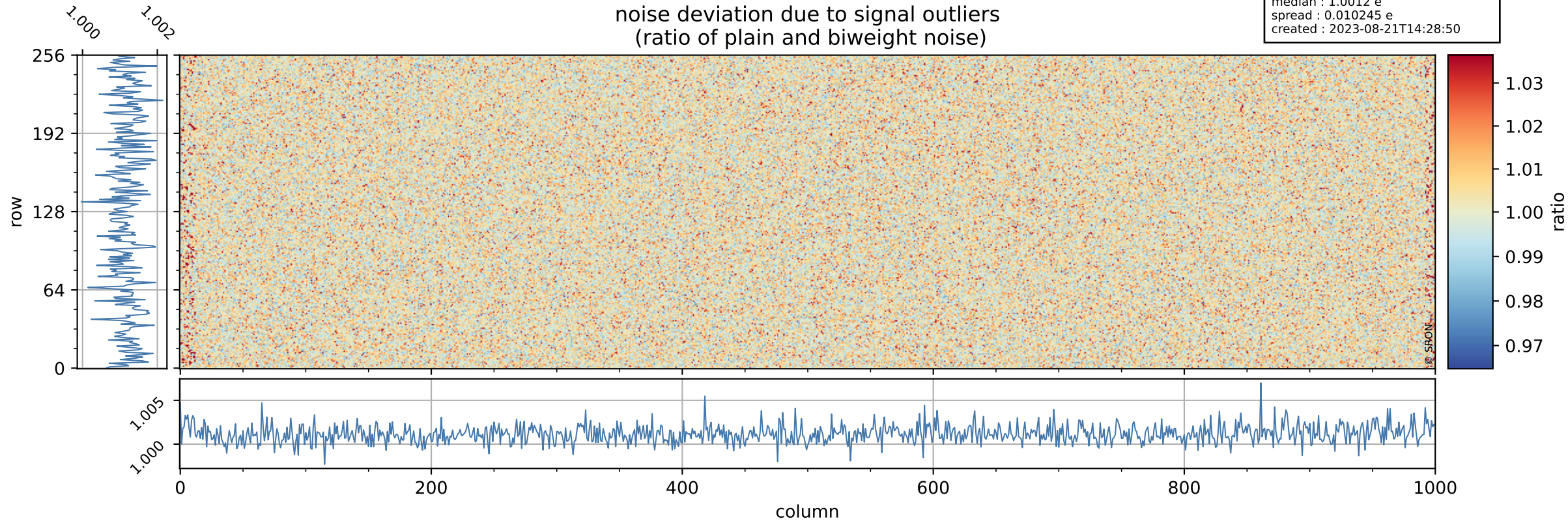




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
median : 1.0012 e  
spread : 0.010245 e  
created : 2023-08-21T14:28:50

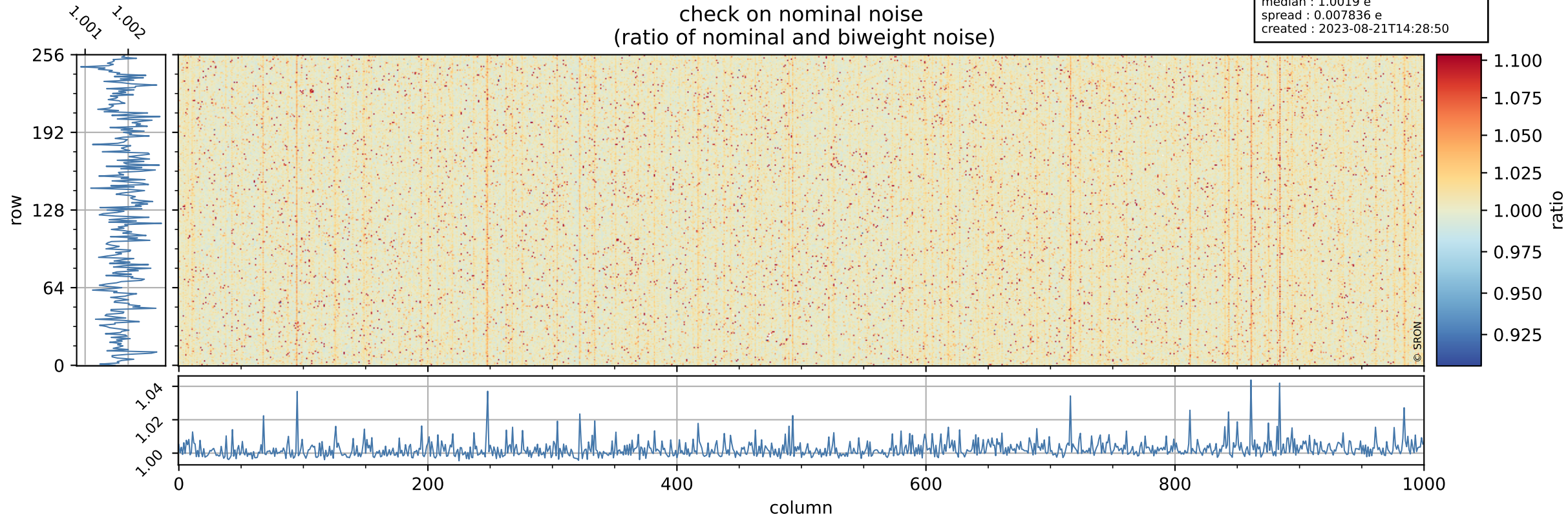




# Tropomi SWIR background noise (swir)

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

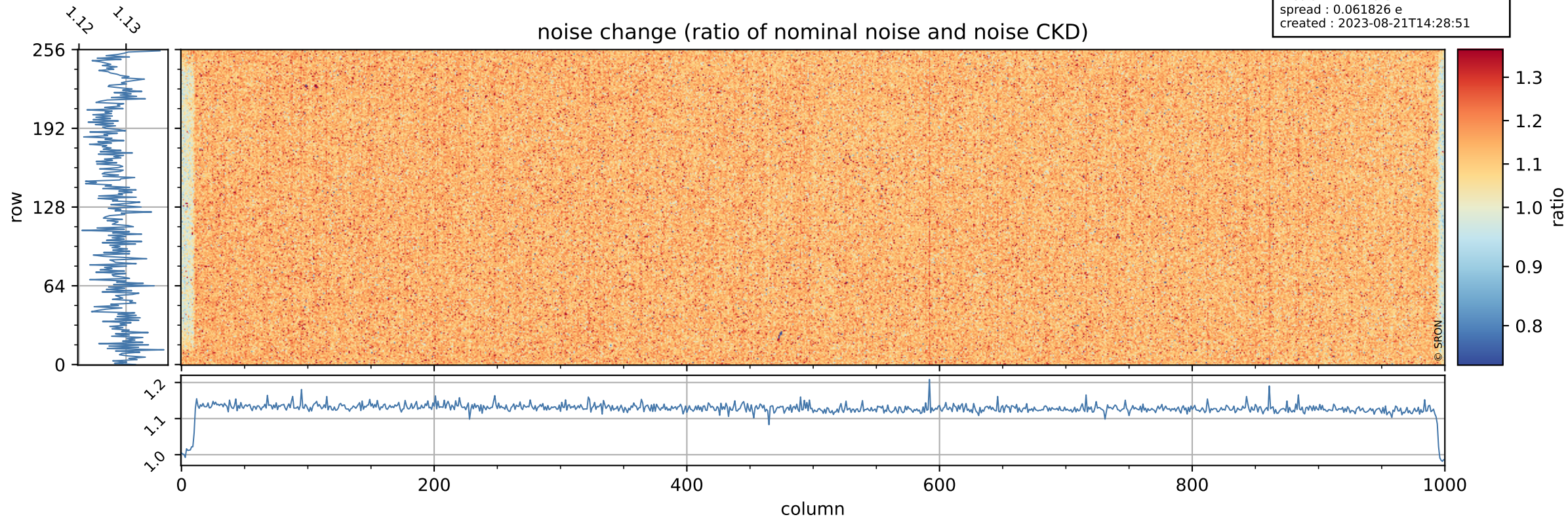
orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
median : 1.0019 e  
spread : 0.007836 e  
created : 2023-08-21T14:28:50



# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
median : 1.1278 e  
spread : 0.061826 e  
created : 2023-08-21T14:28:51

noise change (ratio of nominal noise and noise CKD)

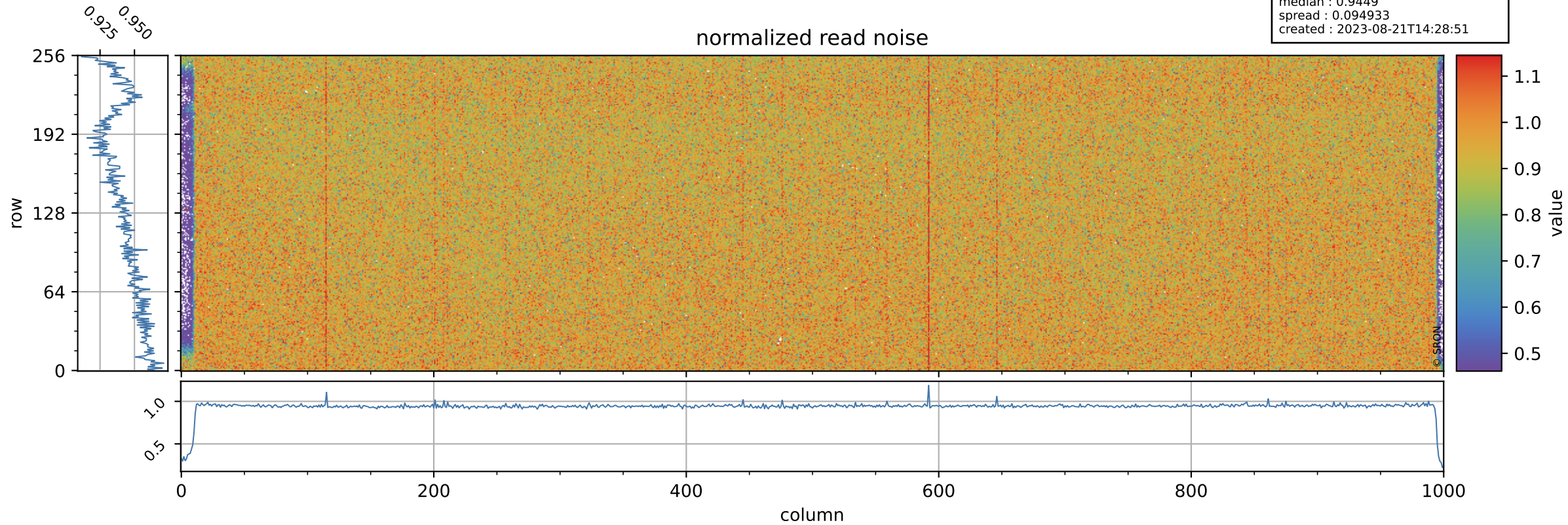




# Tropomi SWIR background noise (swir)

orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
median : 0.9449  
spread : 0.094933  
created : 2023-08-21T14:28:51

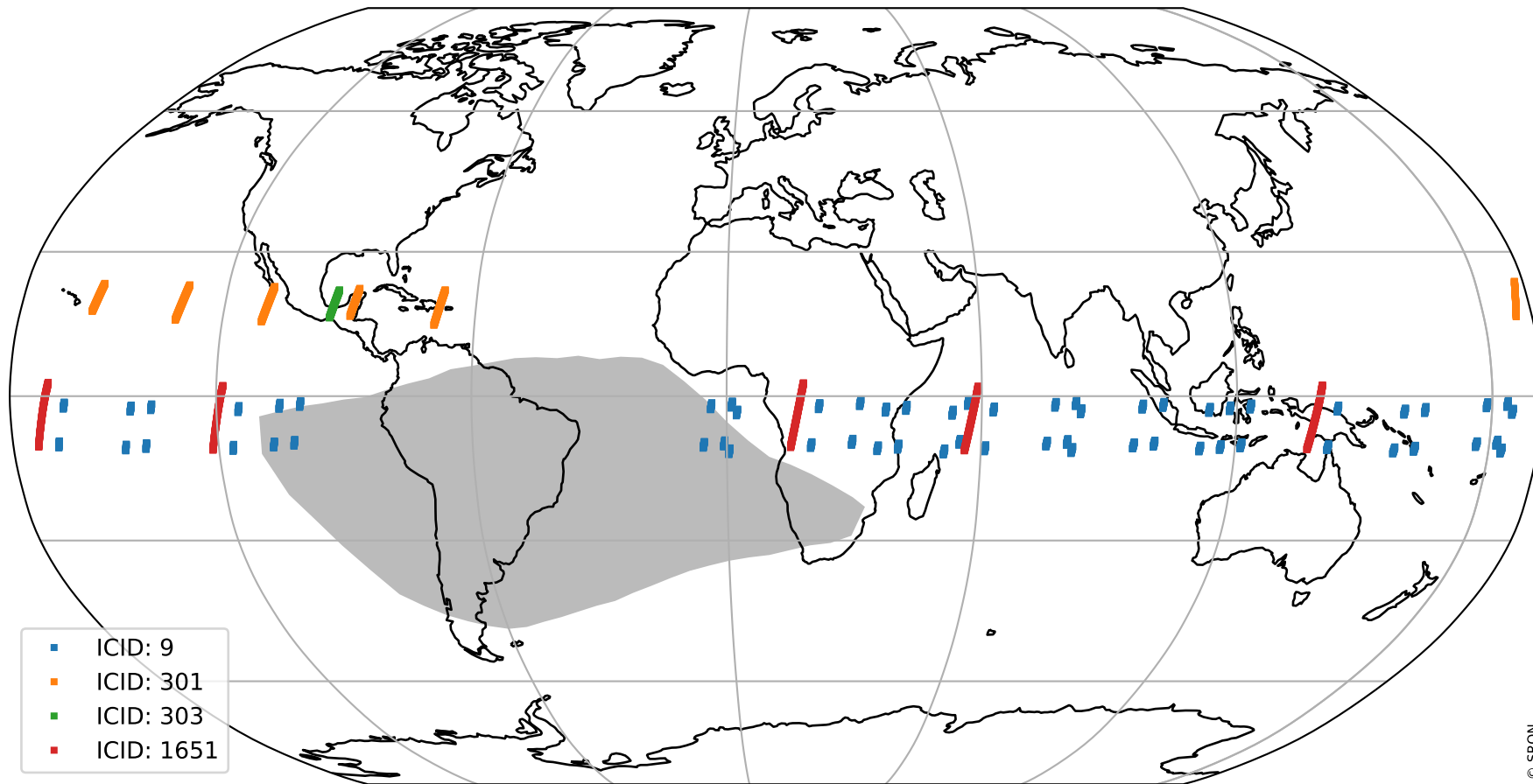
## normalized read noise





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

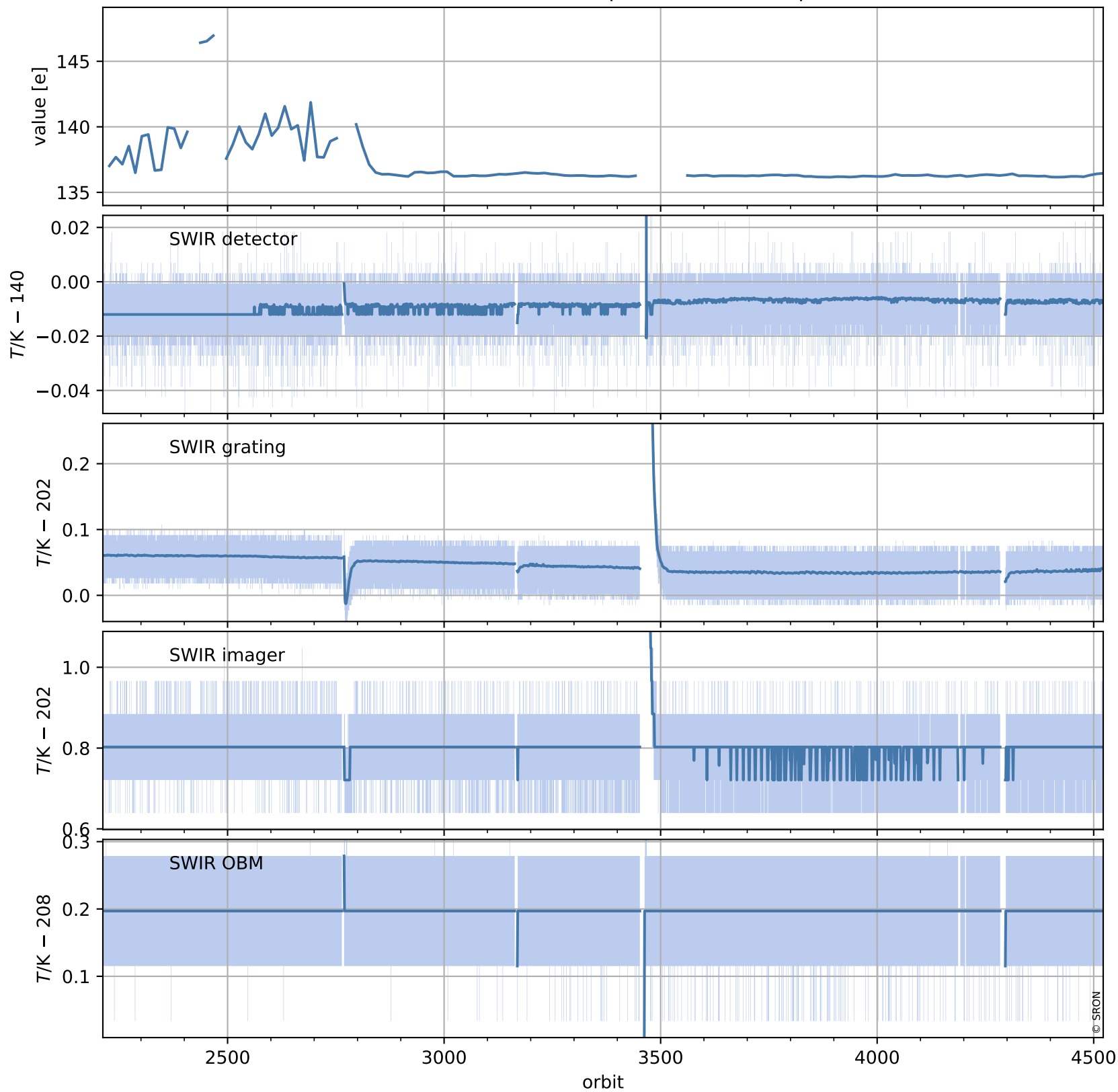
orbits : 12 in [4447, 4522]  
coverage : 2018-08-22 / 2018-08-27  
created : 2023-08-21T14:28:52



# Tropomi SWIR background noise (swir)

orbits : [2212, 4522]  
coverage : 2018-03-18 / 2018-08-27  
created : 2023-08-21T14:28:52

## trend of detector median of plain noise & temperatures

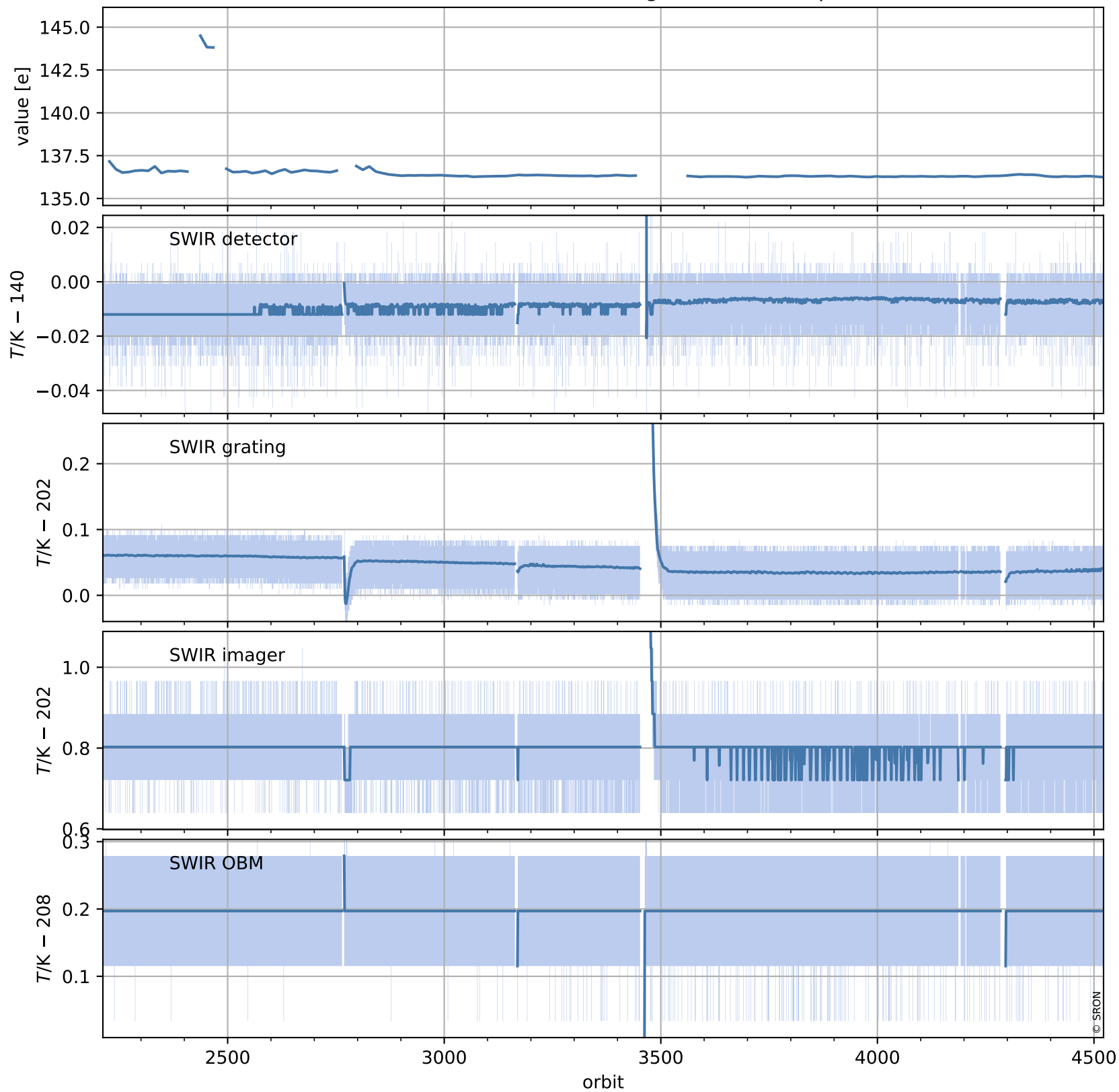




# Tropomi SWIR background noise (swir)

orbits : [2212, 4522]  
coverage : 2018-03-18 / 2018-08-27  
created : 2023-08-21T14:28:53

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4522]  
coverage : 2018-03-18 / 2018-08-27  
created : 2023-08-21T14:28:53

## trend of normalized read-noise & temperatures

