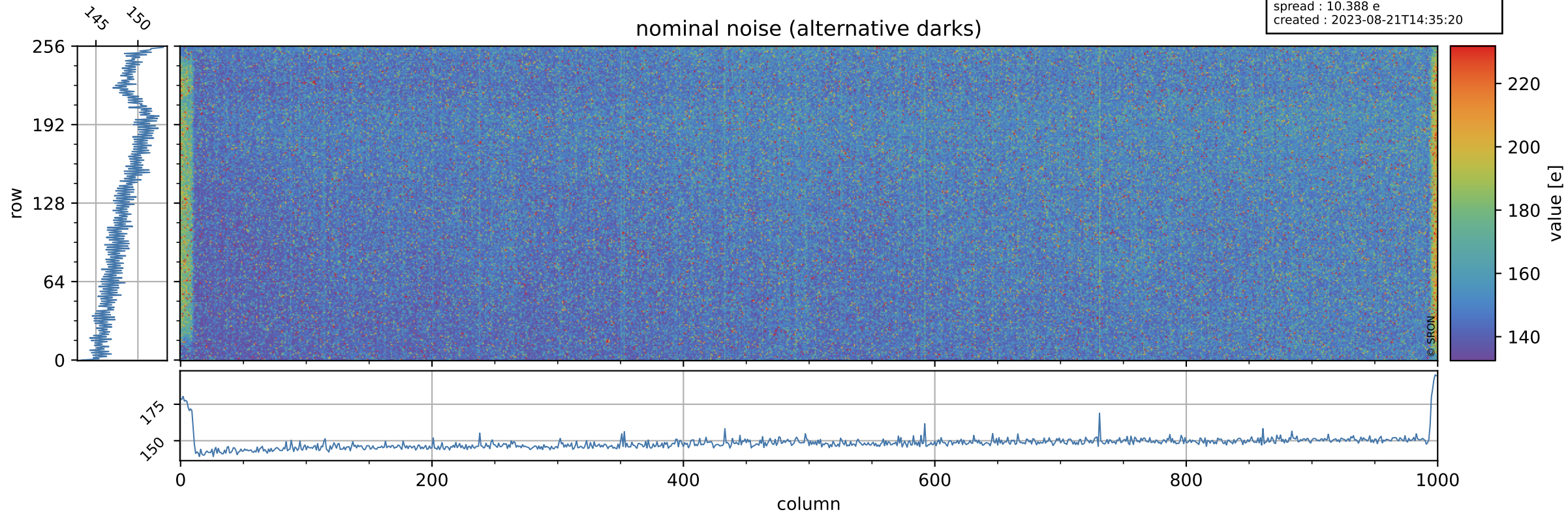


# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.28 e  
spread : 10.388 e  
created : 2023-08-21T14:35:20

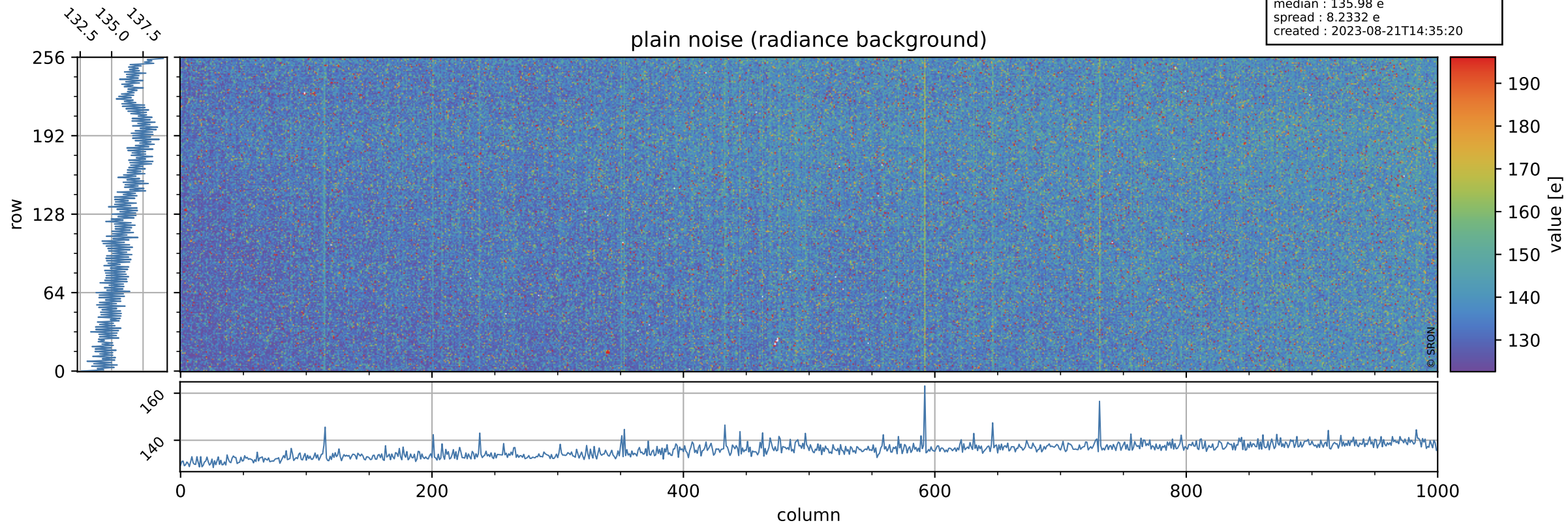
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
n\_coad, t\_exp : 2, 0.5383  
median : 135.98 e  
spread : 8.2332 e  
created : 2023-08-21T14:35:20

## plain noise (radiance background)

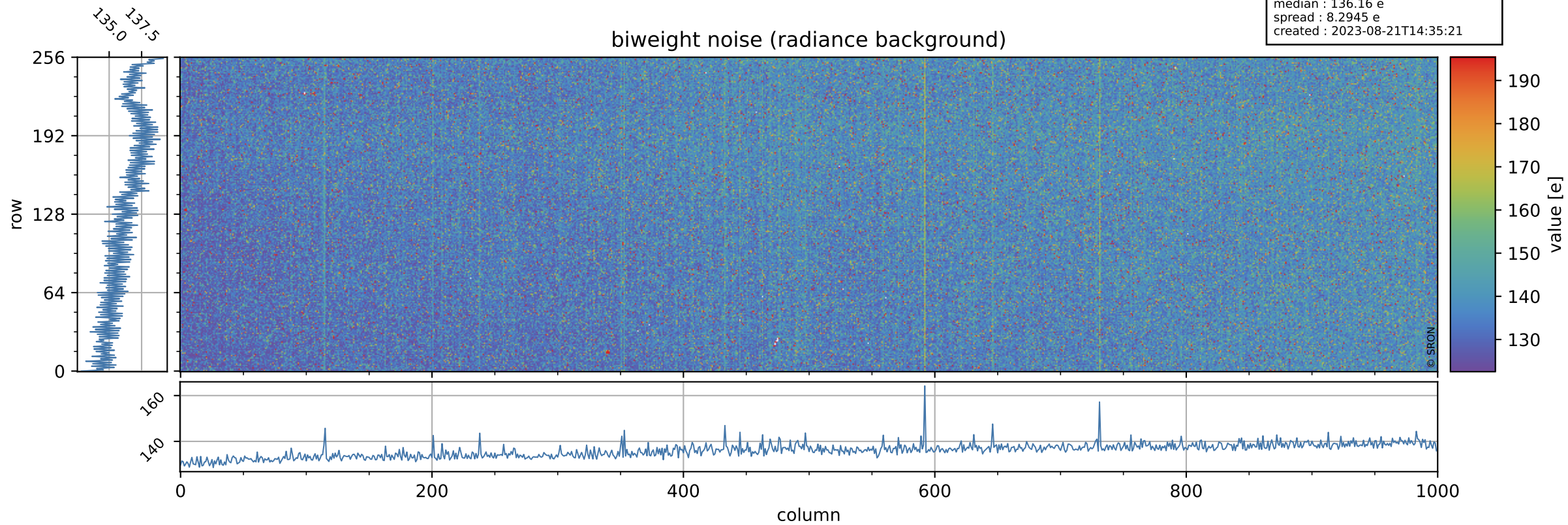




# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.2945 e  
created : 2023-08-21T14:35:21

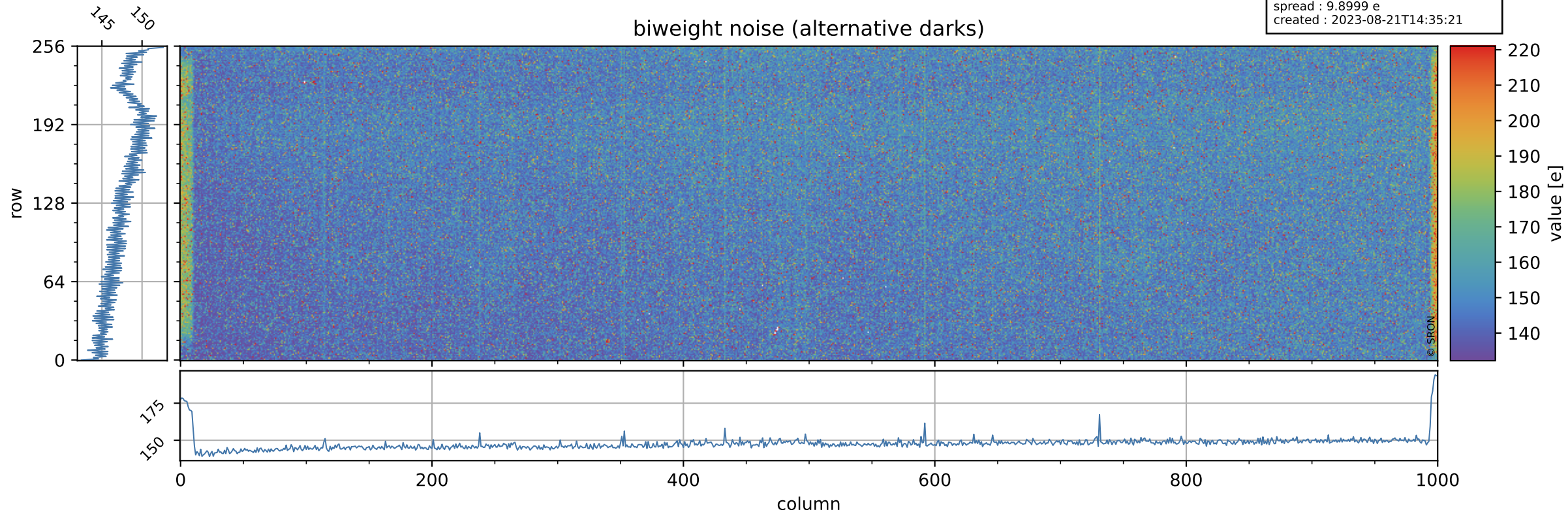
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.8999 e  
created : 2023-08-21T14:35:21

## biweight noise (alternative darks)

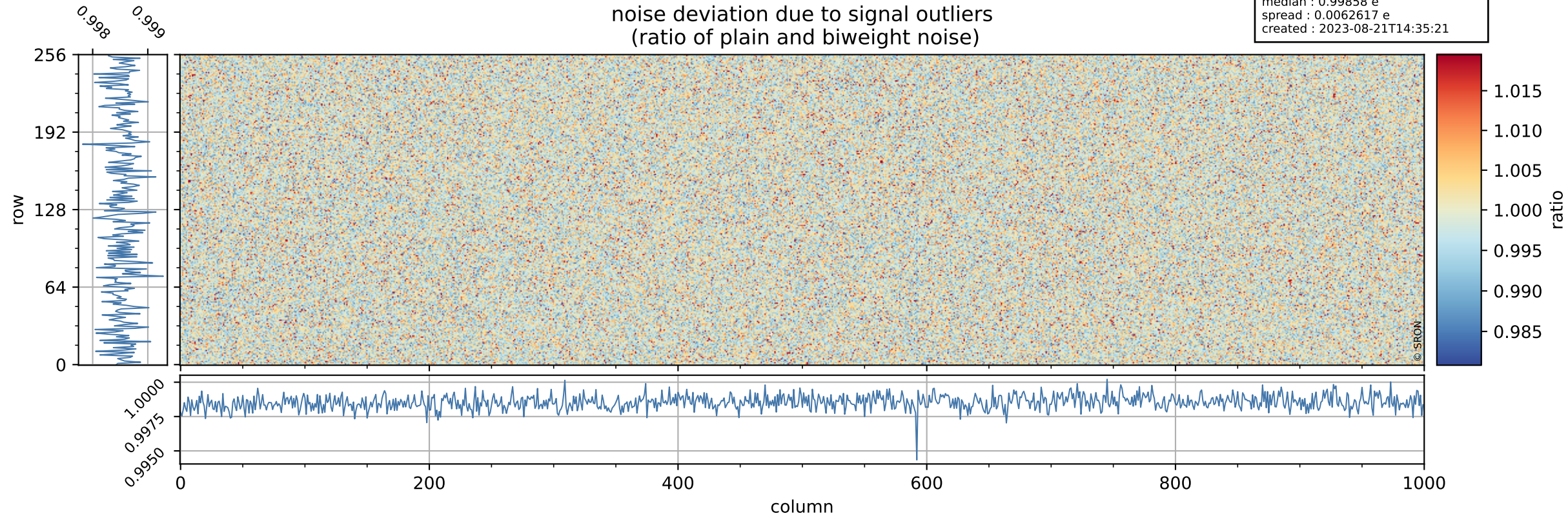




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
median : 0.99858 e  
spread : 0.0062617 e  
created : 2023-08-21T14:35:21

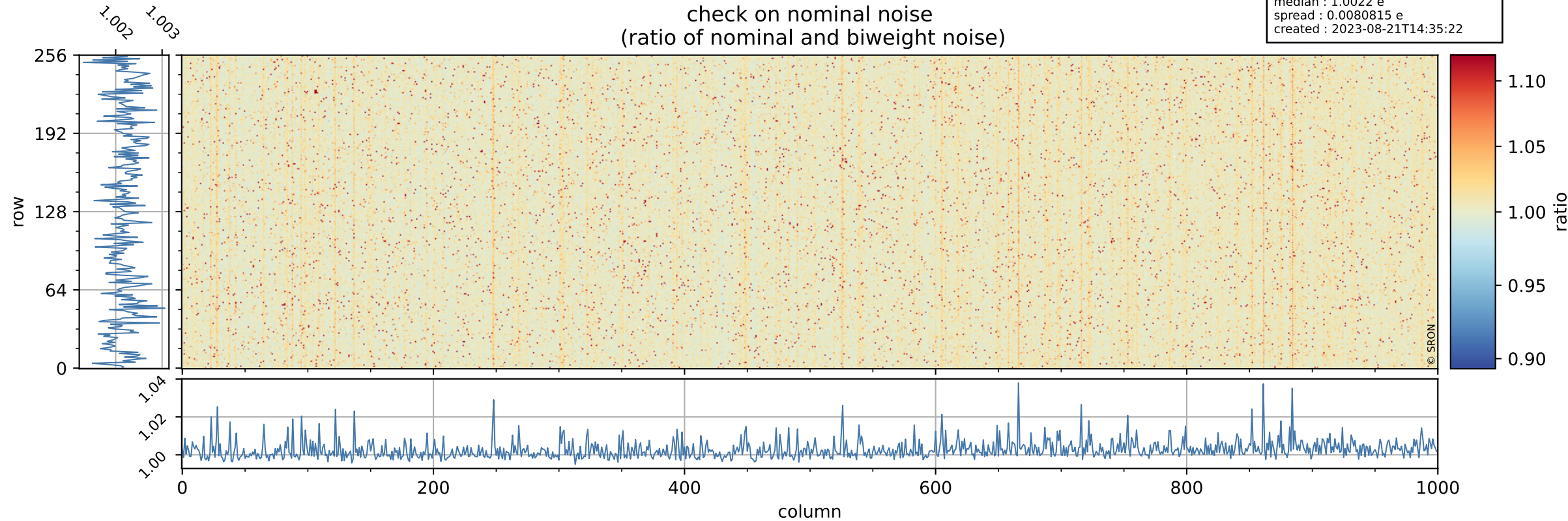




# Tropomi SWIR background noise (swir)

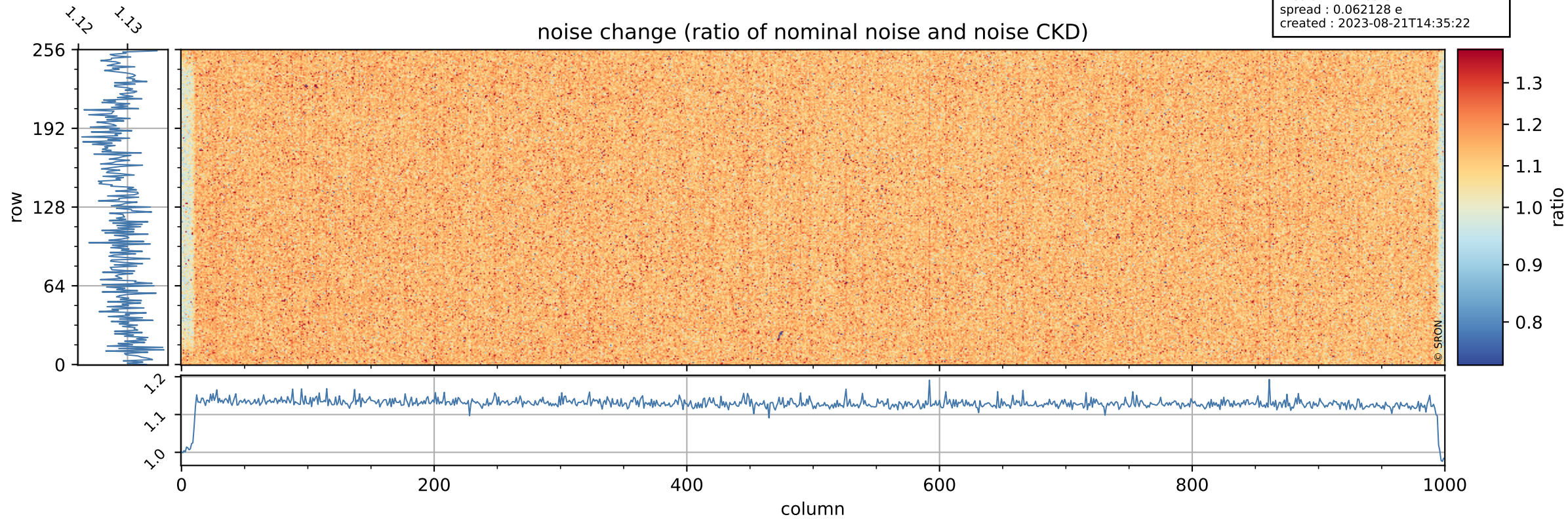
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
median : 1.0022 e  
spread : 0.0080815 e  
created : 2023-08-21T14:35:22



# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
median : 1.1285 e  
spread : 0.062128 e  
created : 2023-08-21T14:35:22

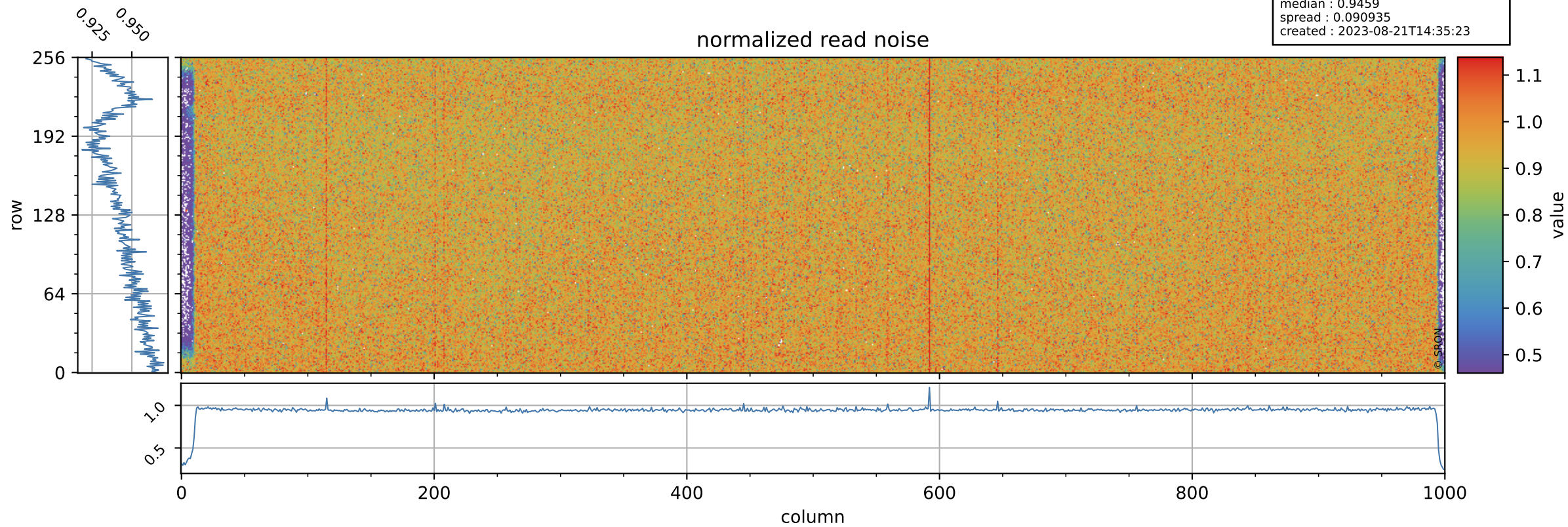




# Tropomi SWIR background noise (swir)

orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
median : 0.9459  
spread : 0.090935  
created : 2023-08-21T14:35:23

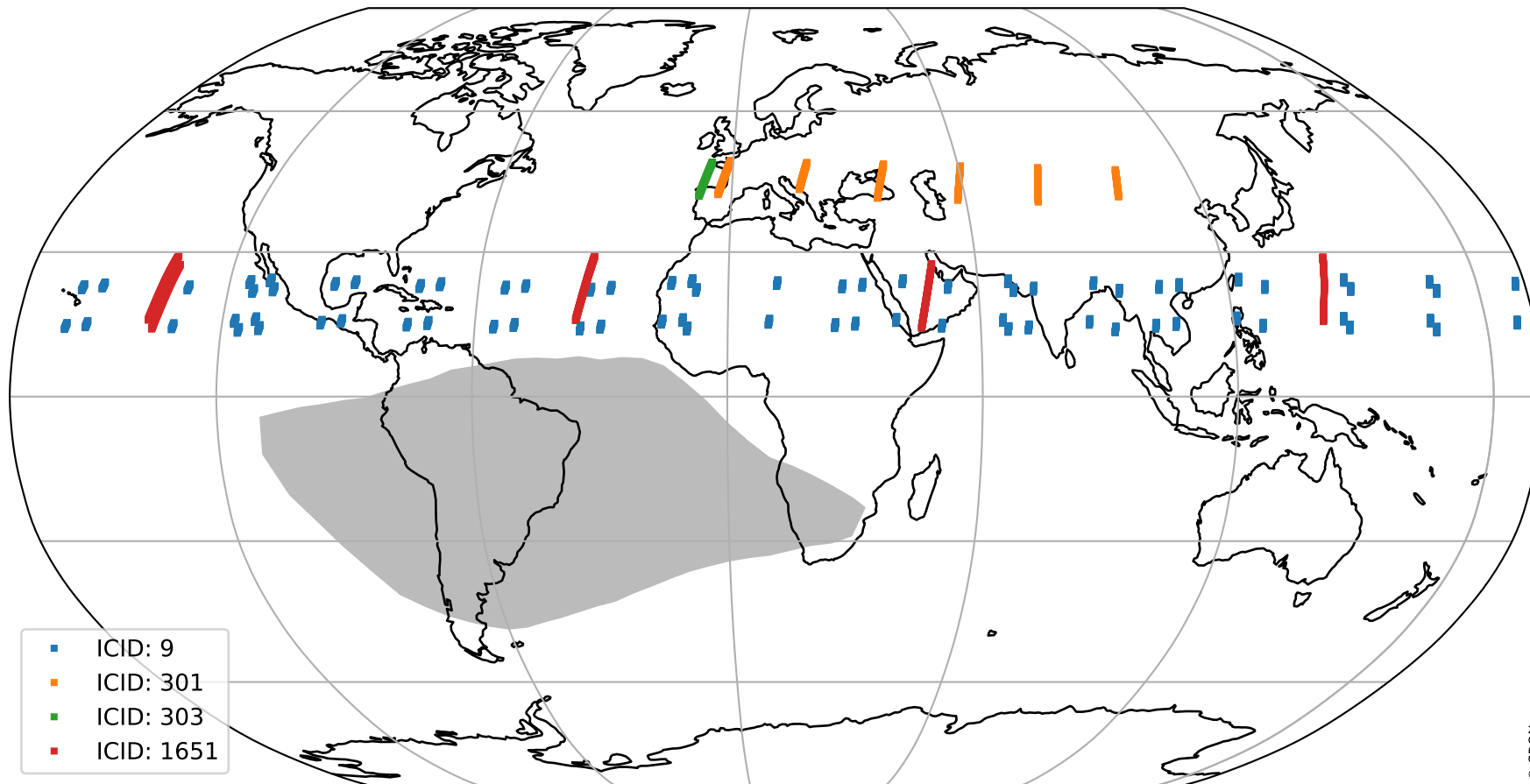
## normalized read noise





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

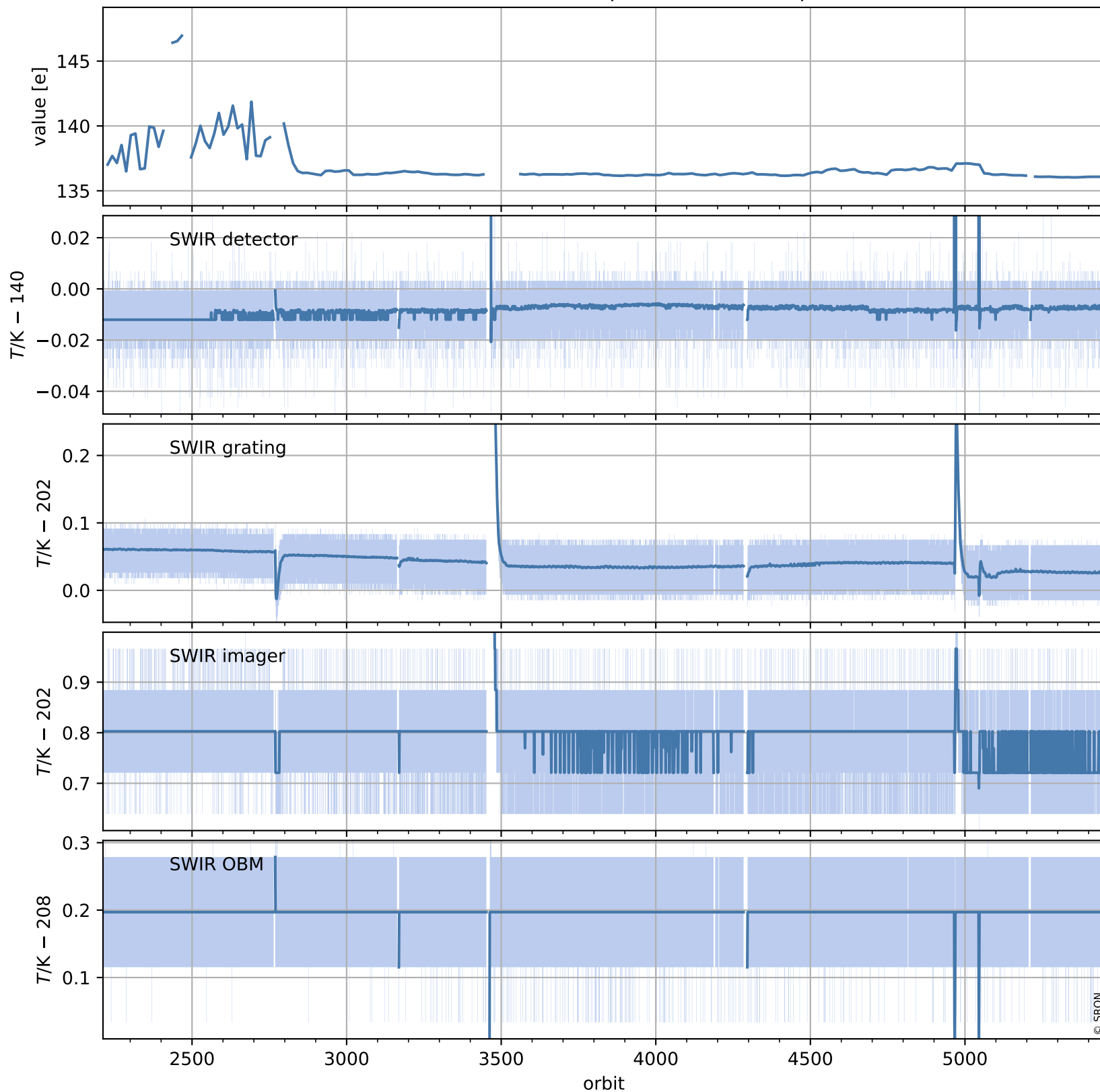
orbits : 12 in [5362, 5452]  
coverage : 2018-10-26 / 2018-11-01  
created : 2023-08-21T14:35:23



# Tropomi SWIR background noise (swir)

orbits : [2212, 5452]  
coverage : 2018-03-18 / 2018-11-01  
created : 2023-08-21T14:35:23

## trend of detector median of plain noise & temperatures

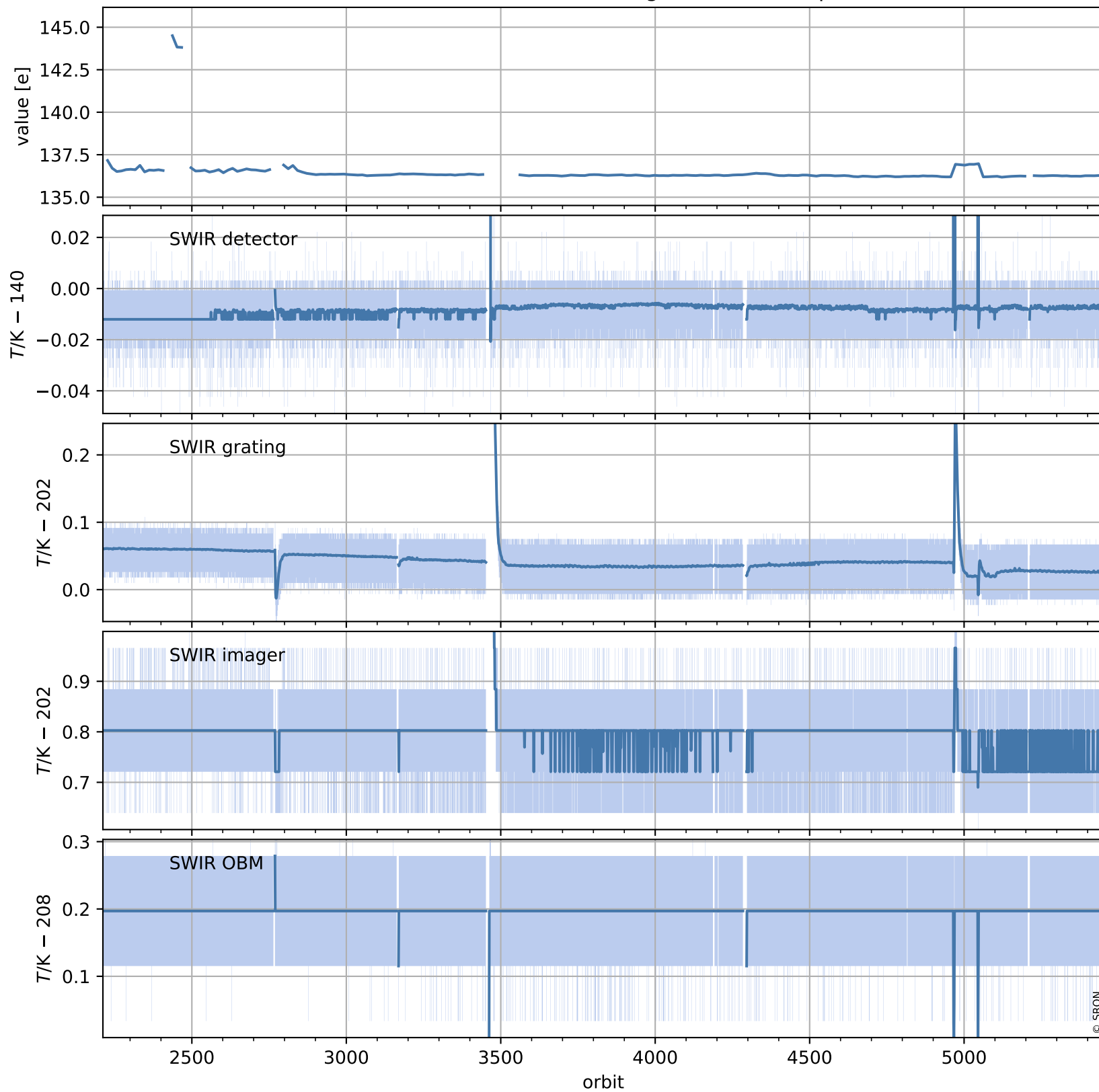




# Tropomi SWIR background noise (swir)

orbits : [2212, 5452]  
coverage : 2018-03-18 / 2018-11-01  
created : 2023-08-21T14:35:24

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5452]  
coverage : 2018-03-18 / 2018-11-01  
created : 2023-08-21T14:35:25

## trend of normalized read-noise & temperatures

