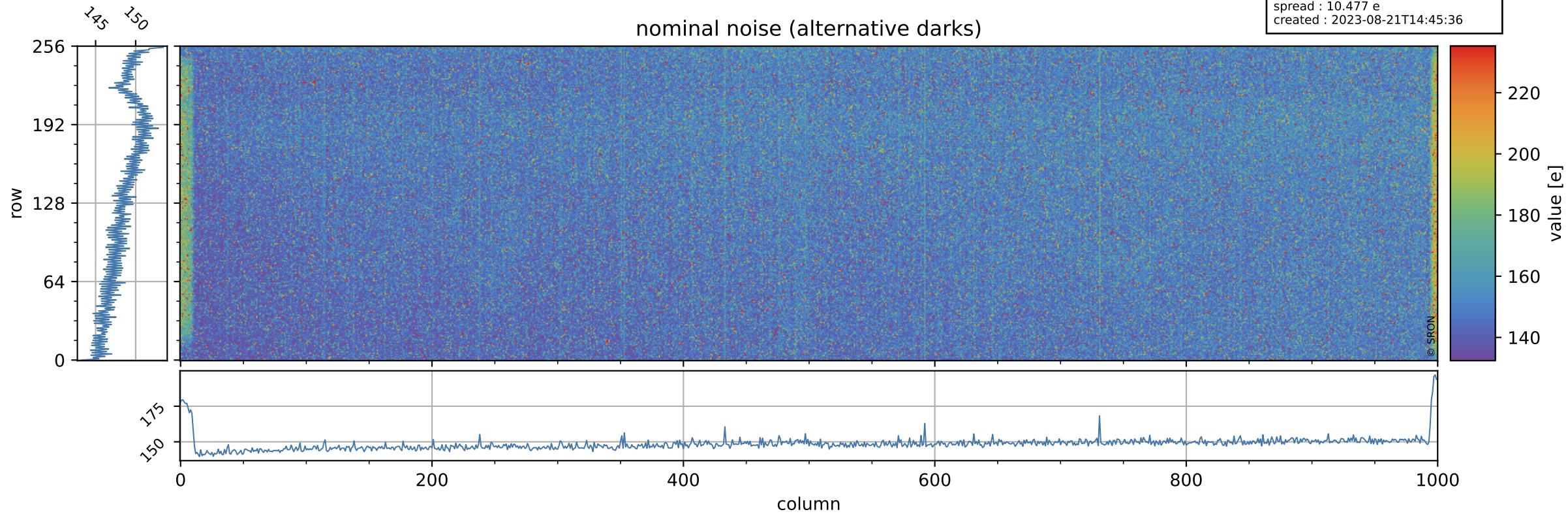


# Tropomi SWIR background noise (swir)

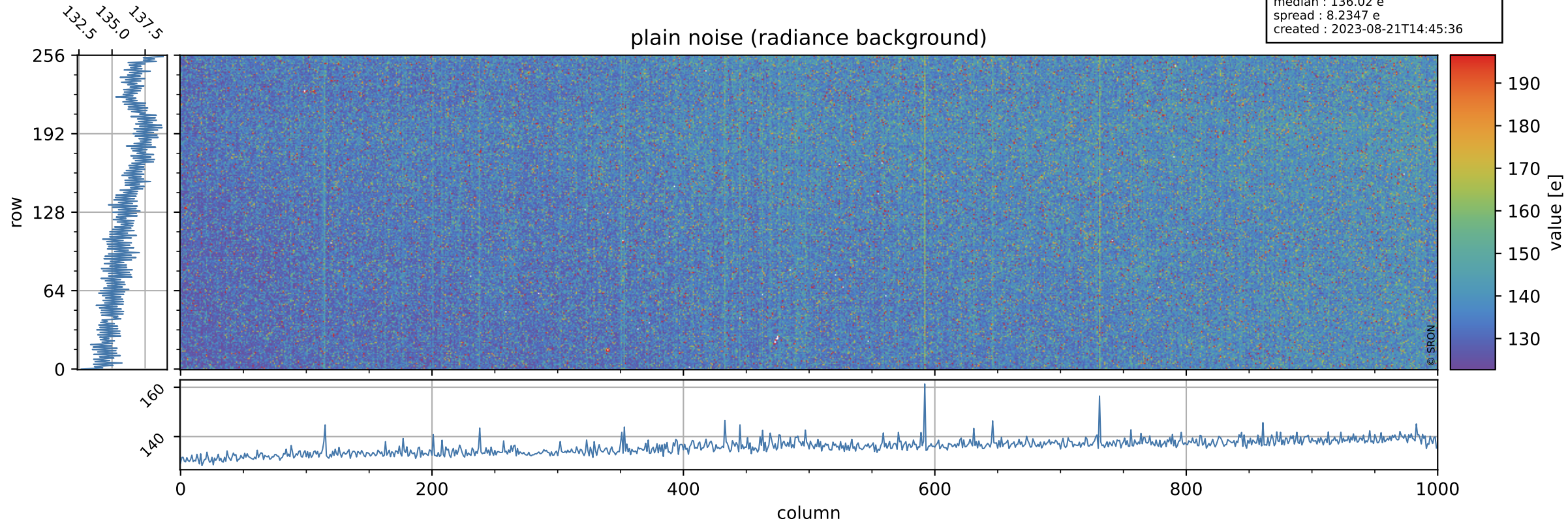
orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.38 e  
spread : 10.477 e  
created : 2023-08-21T14:45:36



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.2347 e  
created : 2023-08-21T14:45:36

## plain noise (radiance background)

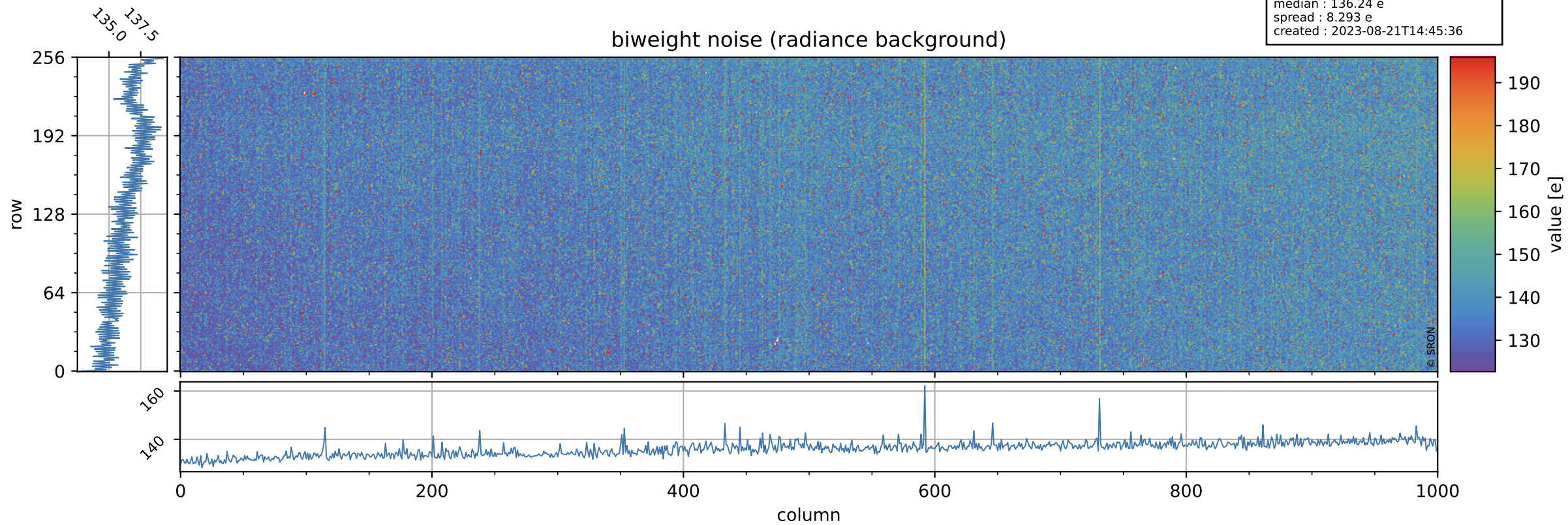




# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.293 e  
created : 2023-08-21T14:45:36

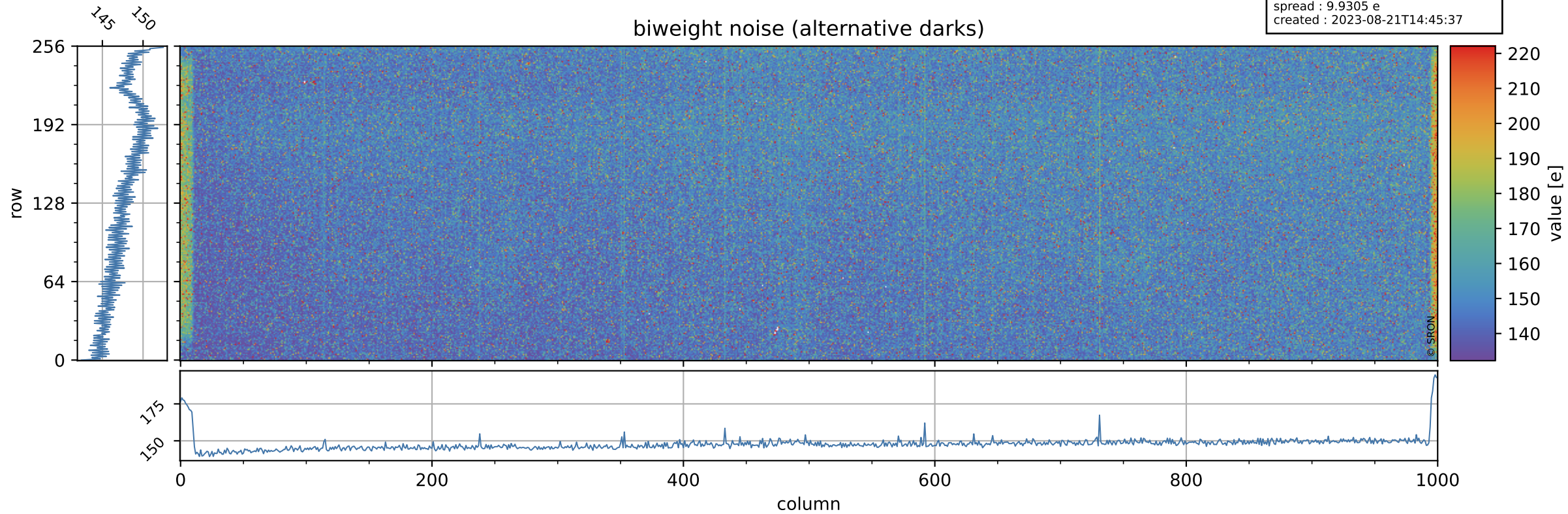
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.9305 e  
created : 2023-08-21T14:45:37

## biweight noise (alternative darks)

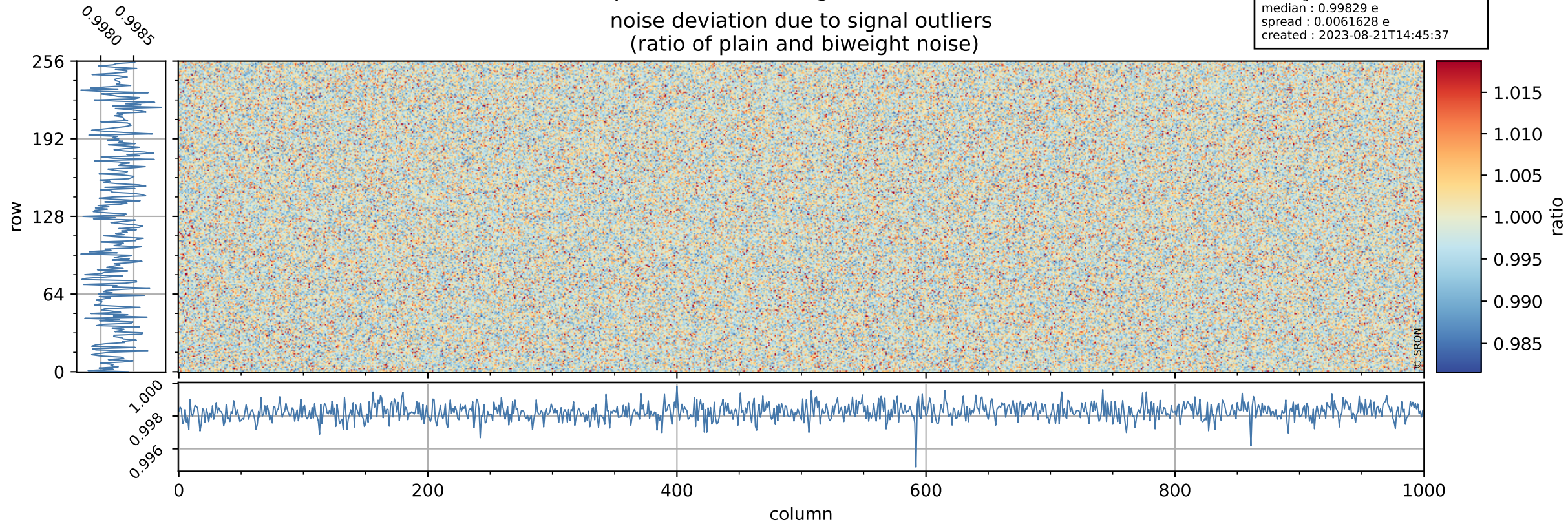




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
median : 0.99829 e  
spread : 0.0061628 e  
created : 2023-08-21T14:45:37

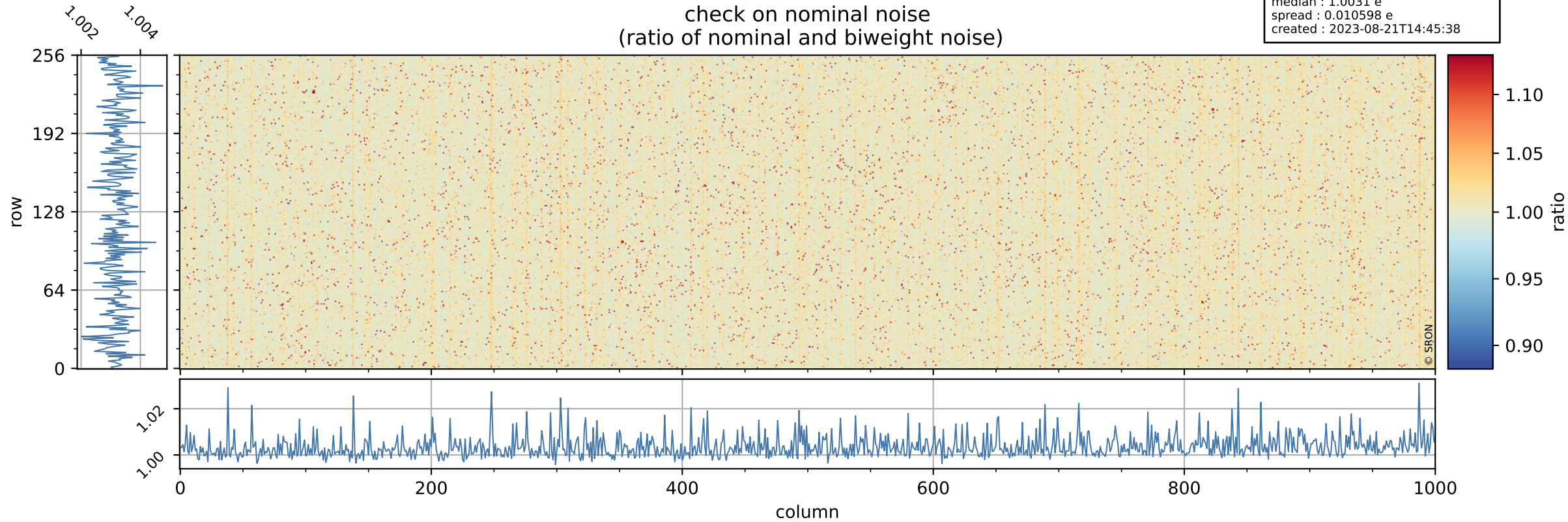




# Tropomi SWIR background noise (swir)

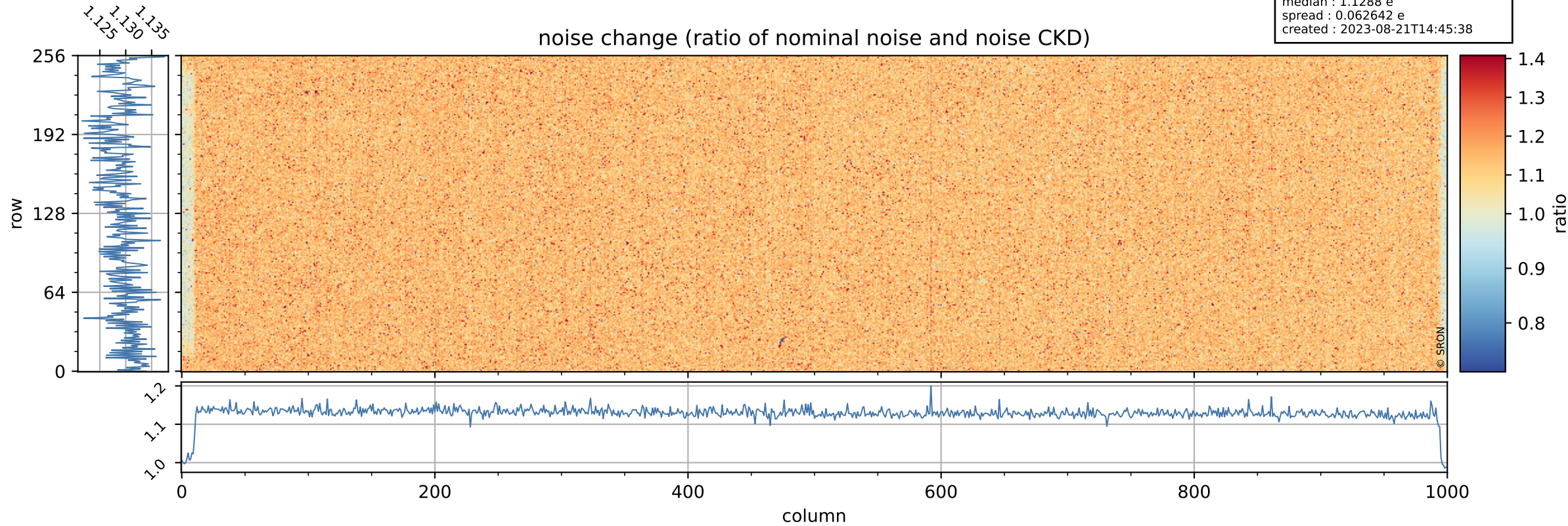
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
median : 1.0031 e  
spread : 0.010598 e  
created : 2023-08-21T14:45:38



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
median : 1.1288 e  
spread : 0.062642 e  
created : 2023-08-21T14:45:38

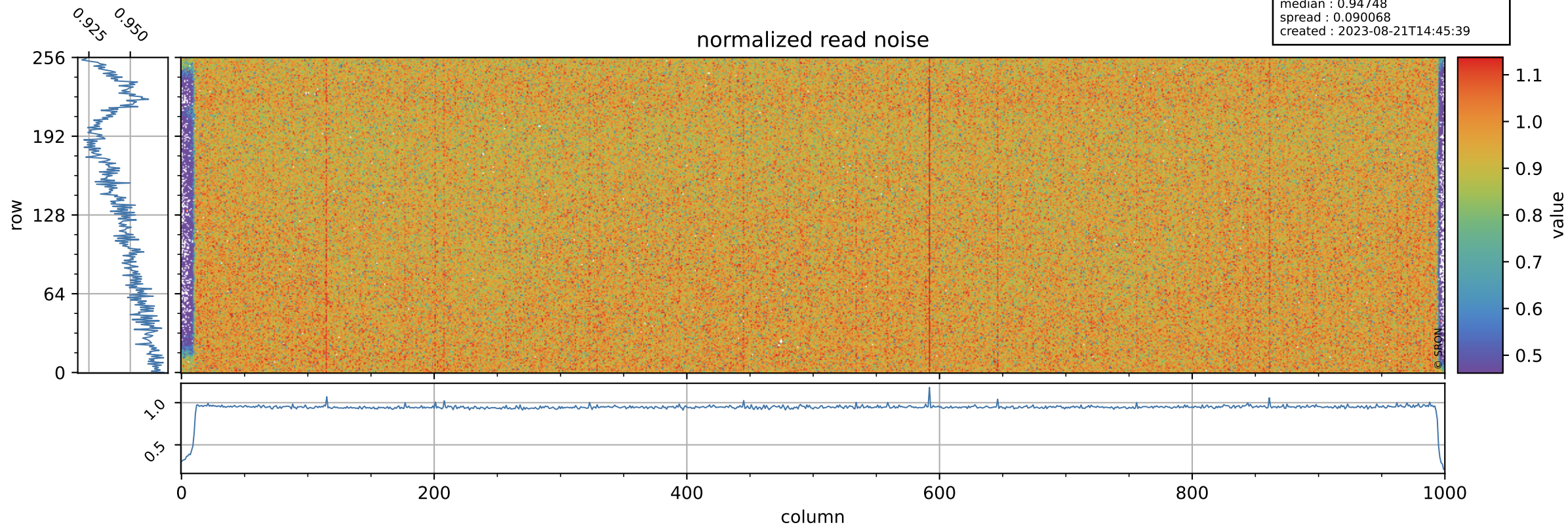




# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
median : 0.94748  
spread : 0.090068  
created : 2023-08-21T14:45:39

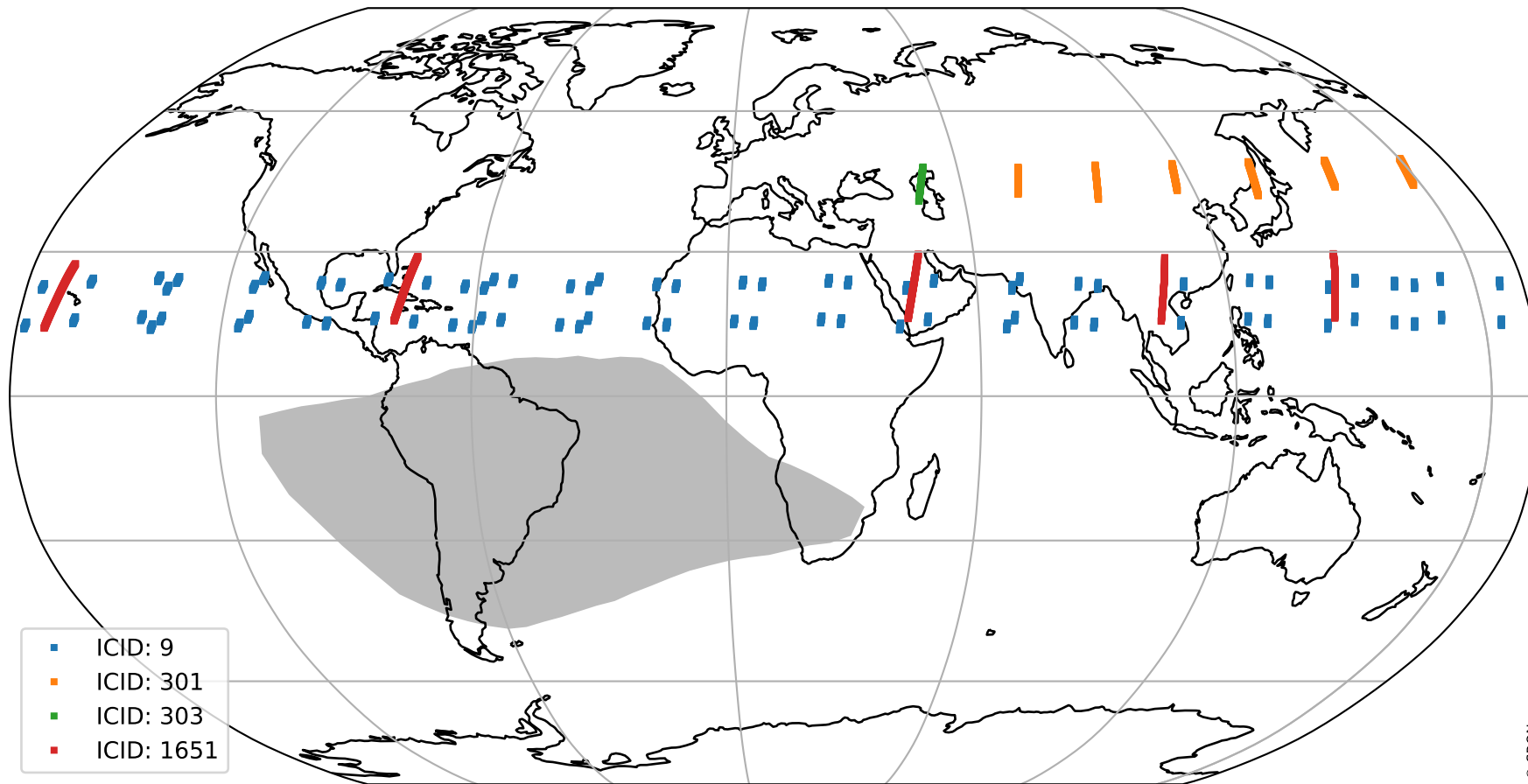
## normalized read noise





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

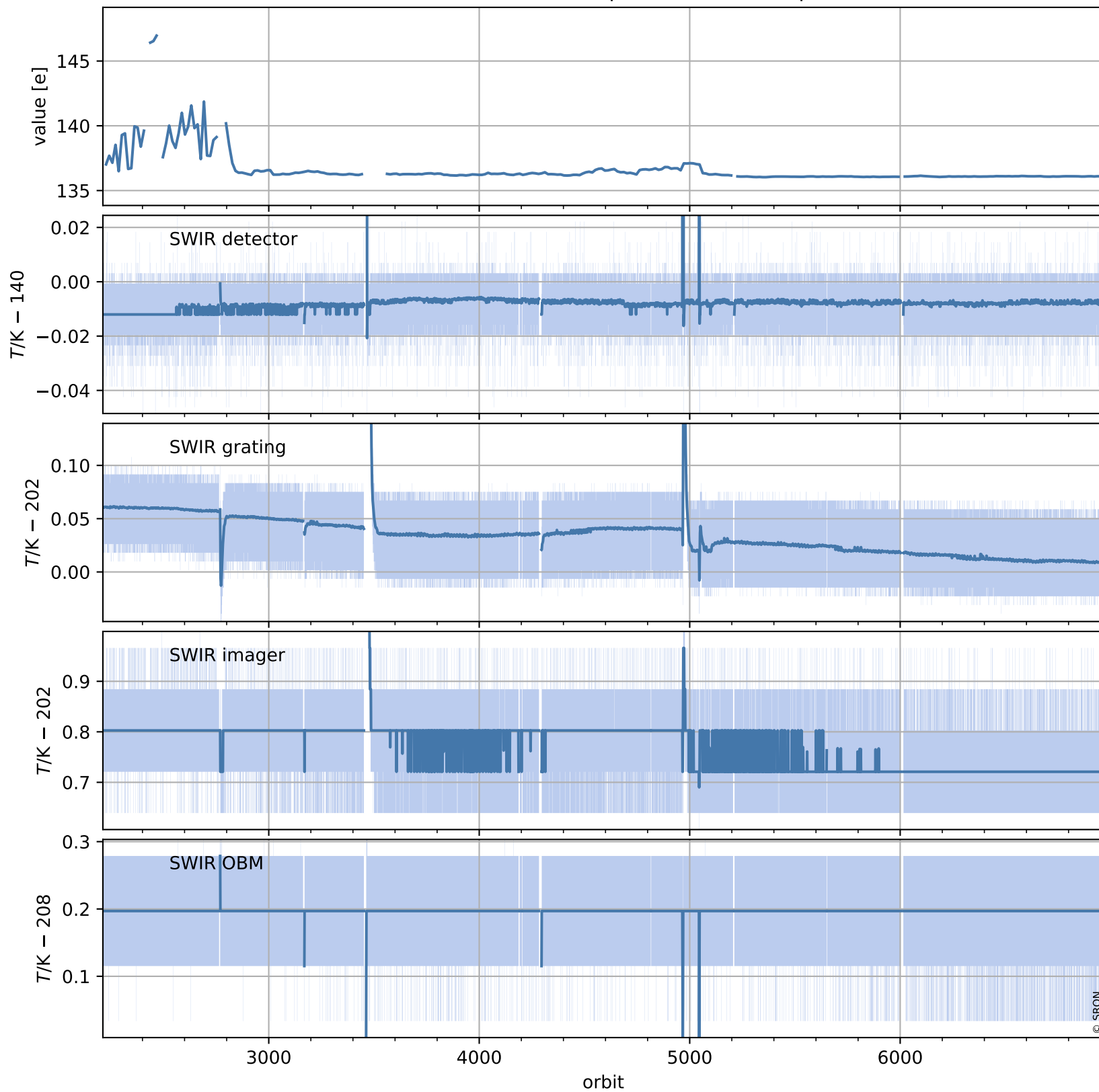
orbits : 12 in [6877, 6967]  
coverage : 2019-02-10 / 2019-02-16  
created : 2023-08-21T14:45:39



# Tropomi SWIR background noise (swir)

orbits : [2212, 6967]  
coverage : 2018-03-18 / 2019-02-16  
created : 2023-08-21T14:45:40

## trend of detector median of plain noise & temperatures

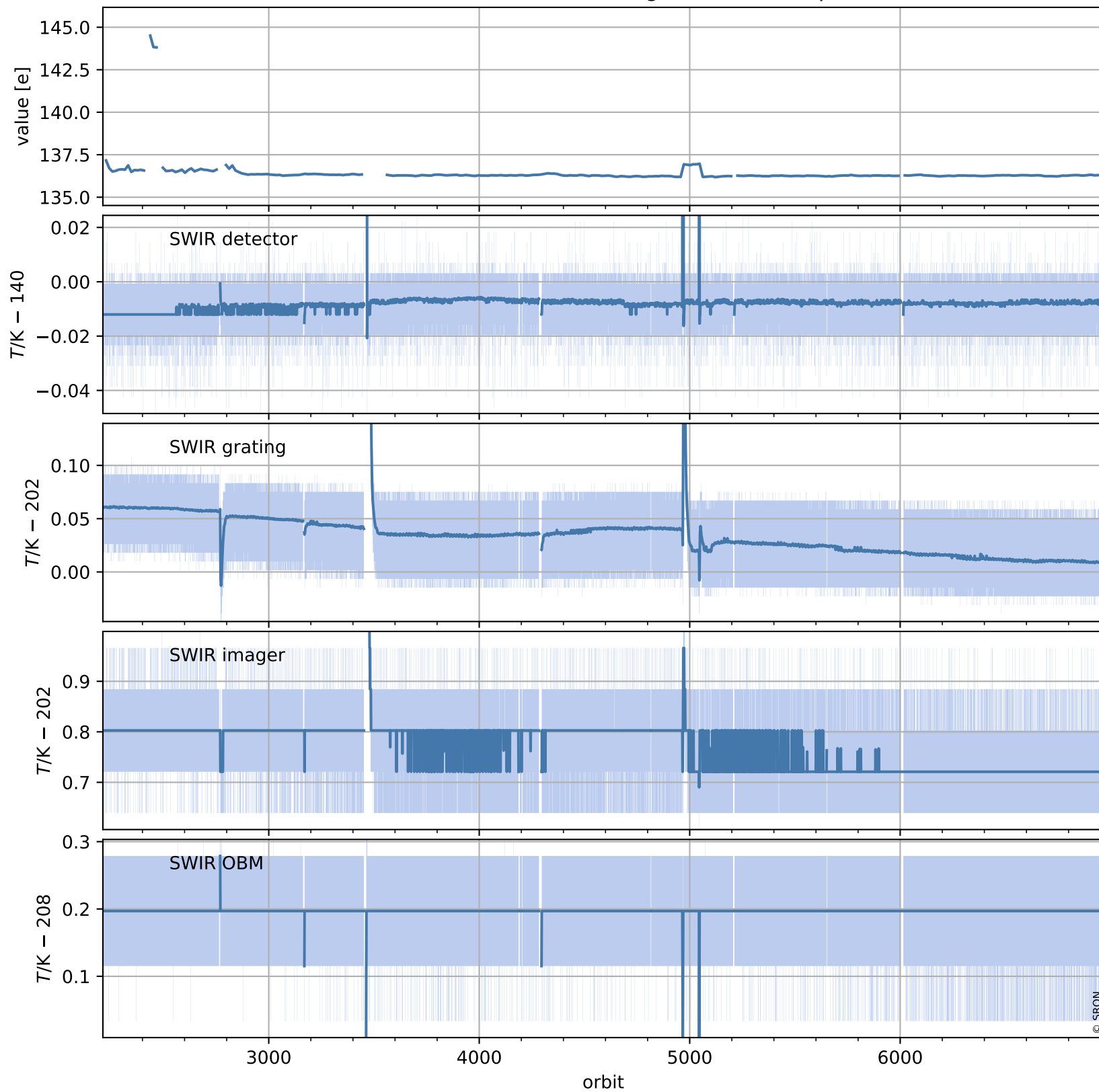




# Tropomi SWIR background noise (swir)

orbits : [2212, 6967]  
coverage : 2018-03-18 / 2019-02-16  
created : 2023-08-21T14:45:40

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6967]  
coverage : 2018-03-18 / 2019-02-16  
created : 2023-08-21T14:45:41

## trend of normalized read-noise & temperatures

