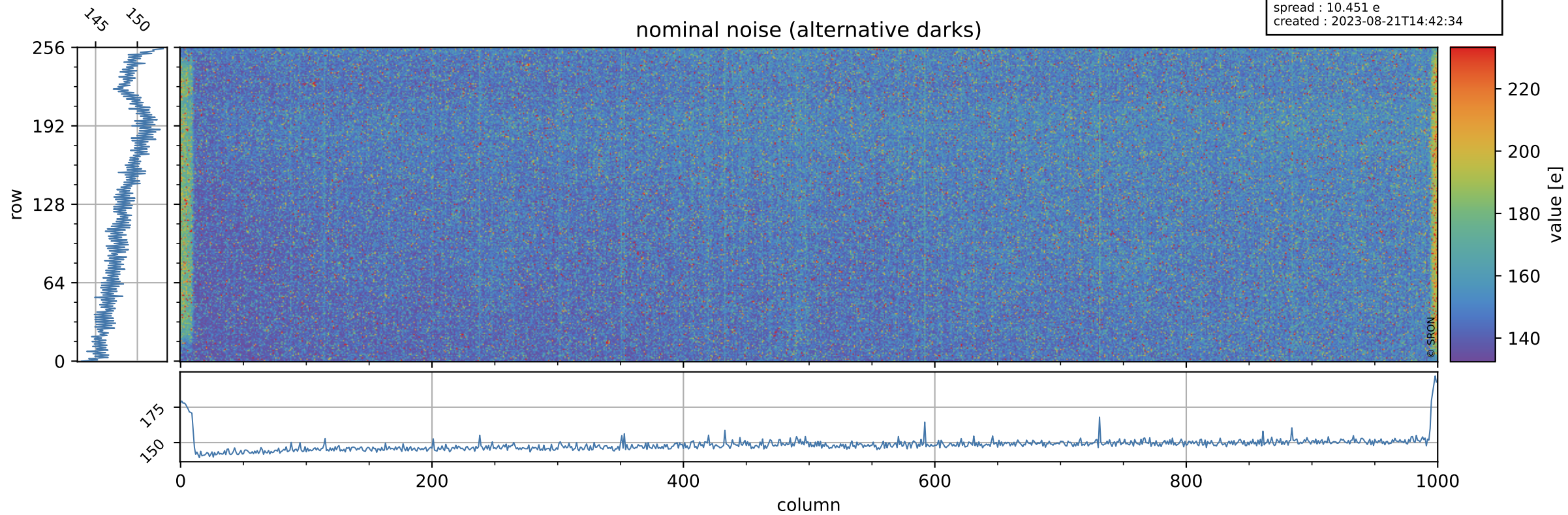


# Tropomi SWIR background noise (swir)

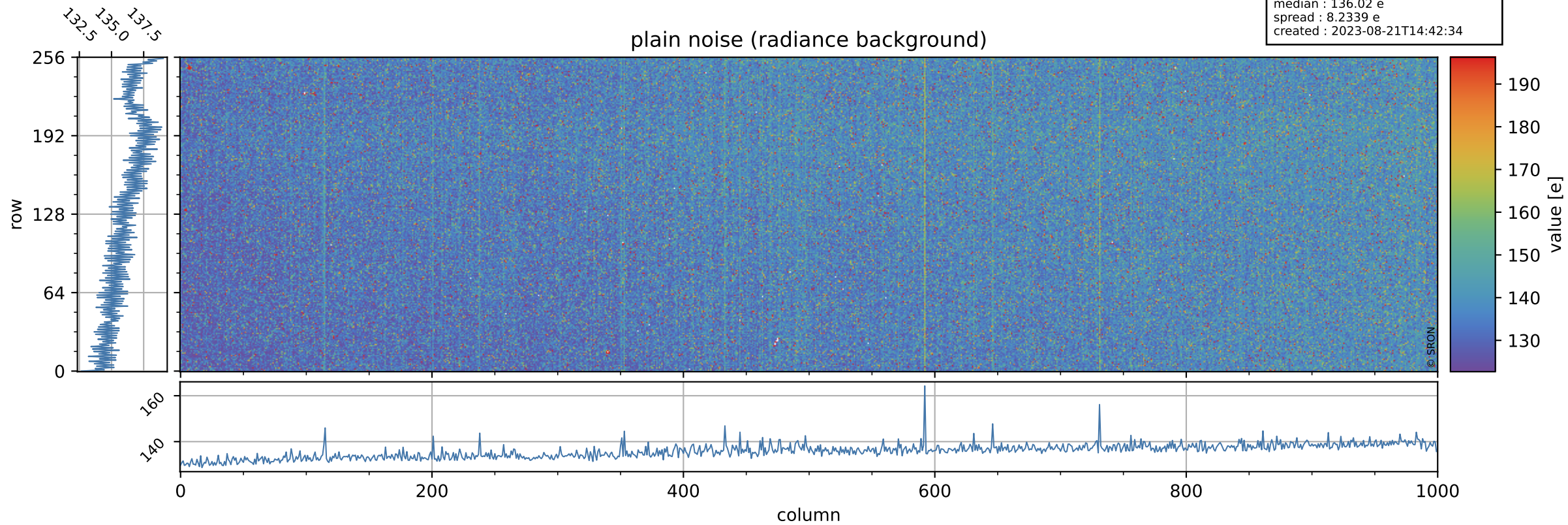
orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.451 e  
created : 2023-08-21T14:42:34



# Tropomi SWIR background noise (swir)

orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.2339 e  
created : 2023-08-21T14:42:34

## plain noise (radiance background)

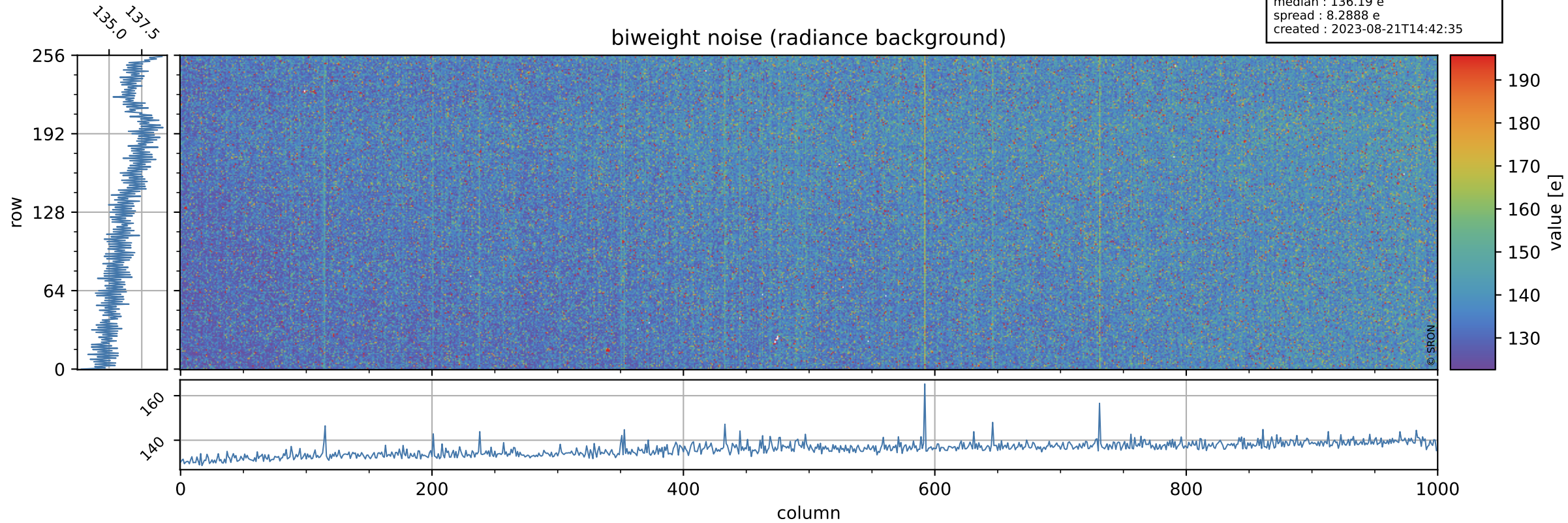




# Tropomi SWIR background noise (swir)

orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.2888 e  
created : 2023-08-21T14:42:35

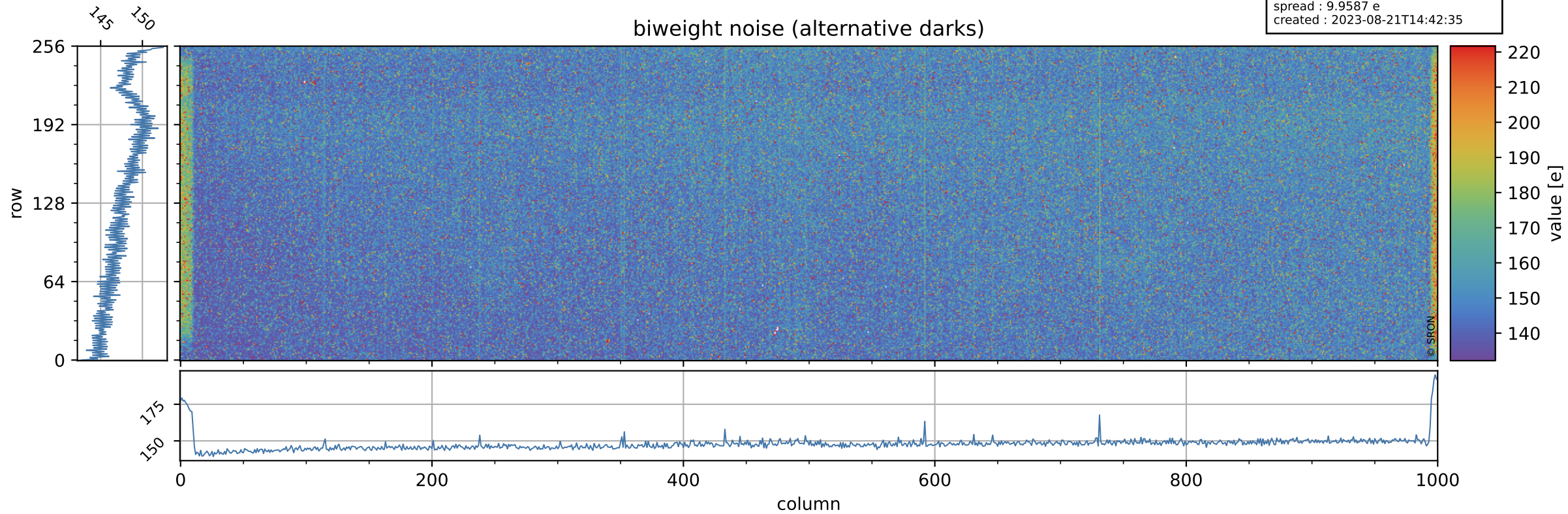
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 9.9587 e  
created : 2023-08-21T14:42:35

## biweight noise (alternative darks)

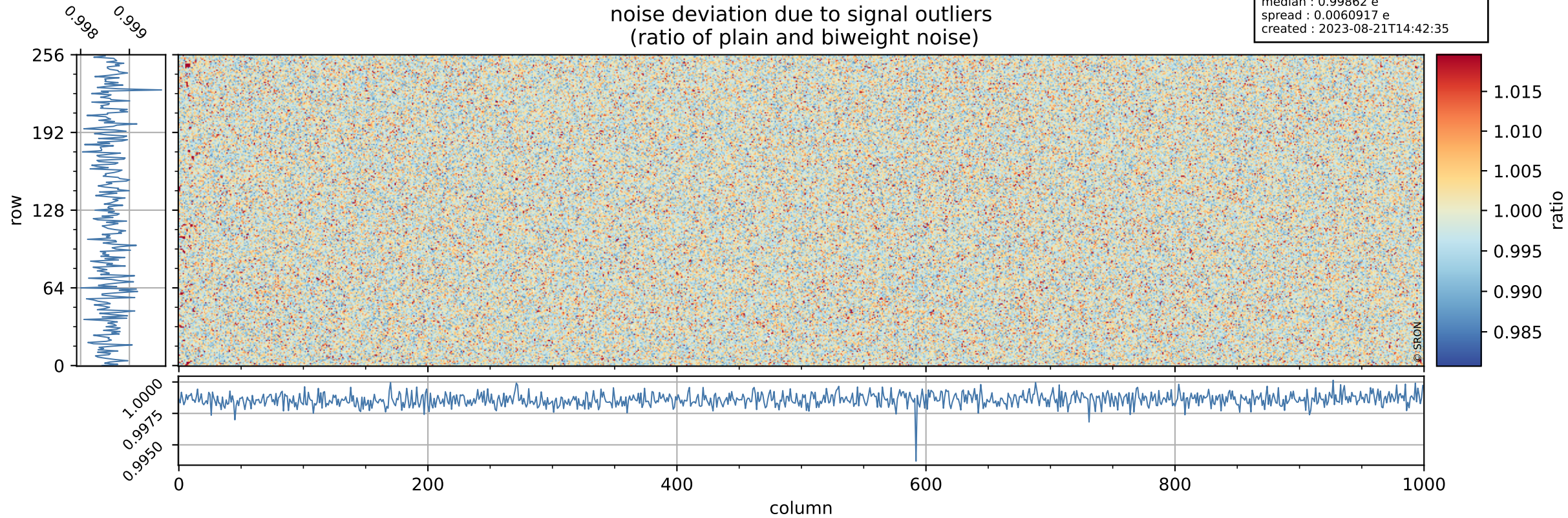




# Tropomi SWIR background noise (swir)

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

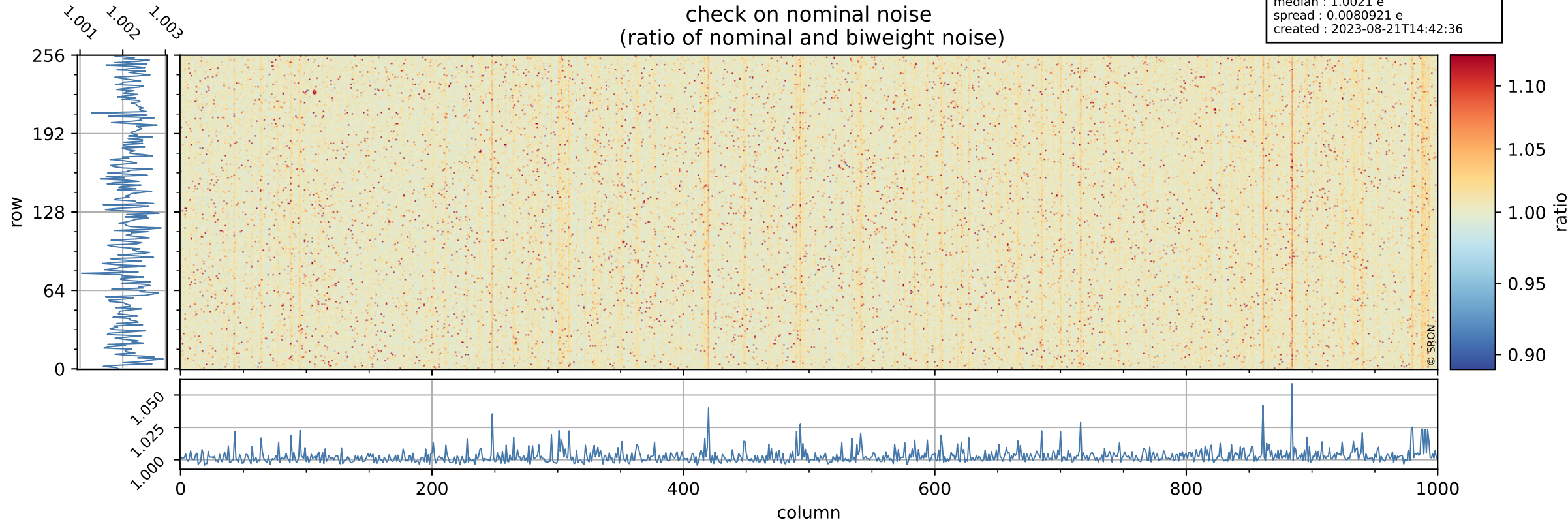
orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
median : 0.99862 e  
spread : 0.0060917 e  
created : 2023-08-21T14:42:35



# Tropomi SWIR background noise (swir)

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

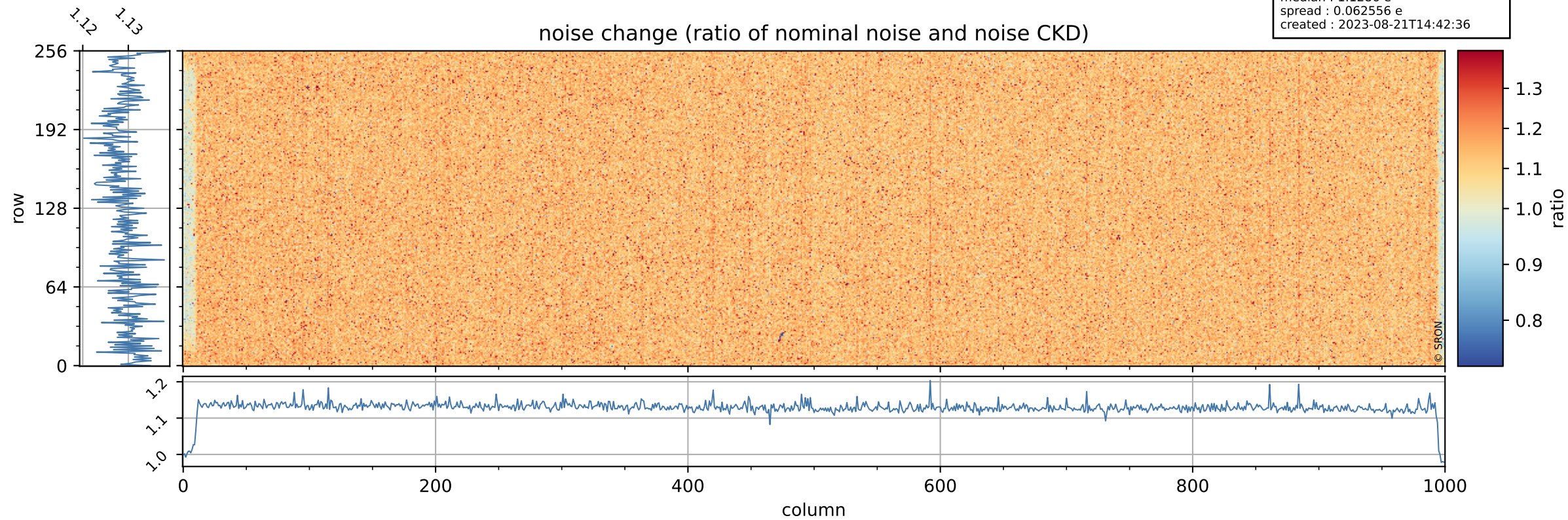
orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
median : 1.0021 e  
spread : 0.0080921 e  
created : 2023-08-21T14:42:36





# Tropomi SWIR background noise (swir)

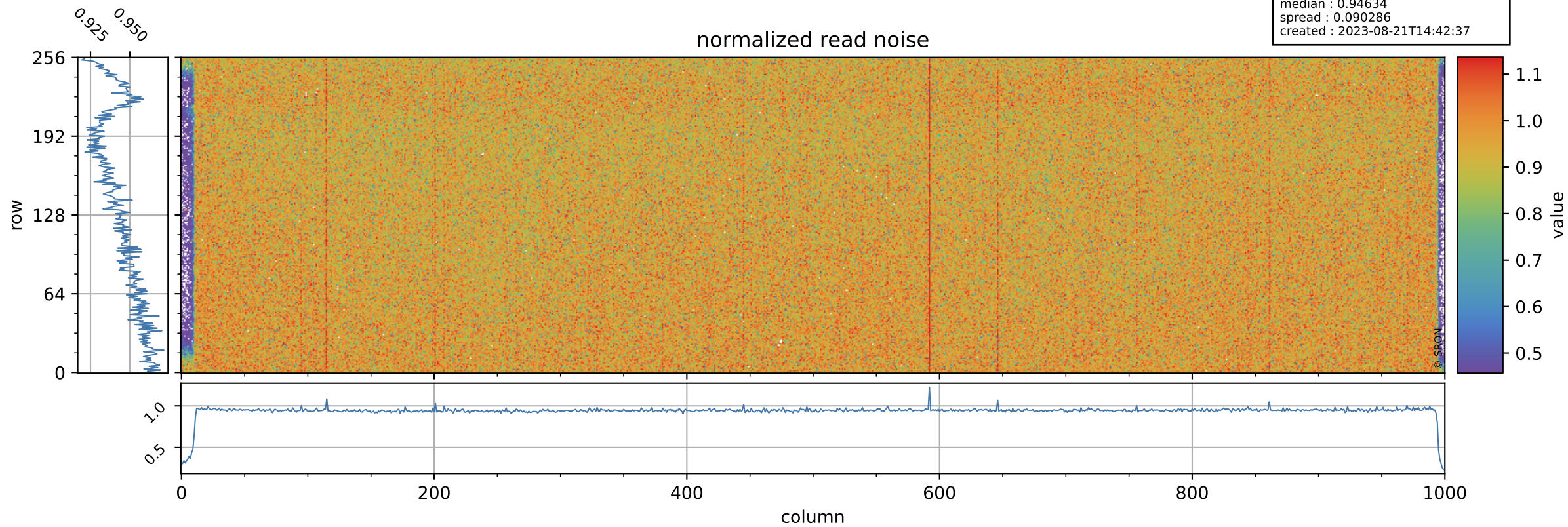
orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
median : 1.1286 e  
spread : 0.062556 e  
created : 2023-08-21T14:42:36



# Tropomi SWIR background noise (swir)

orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
median : 0.94634  
spread : 0.090286  
created : 2023-08-21T14:42:37

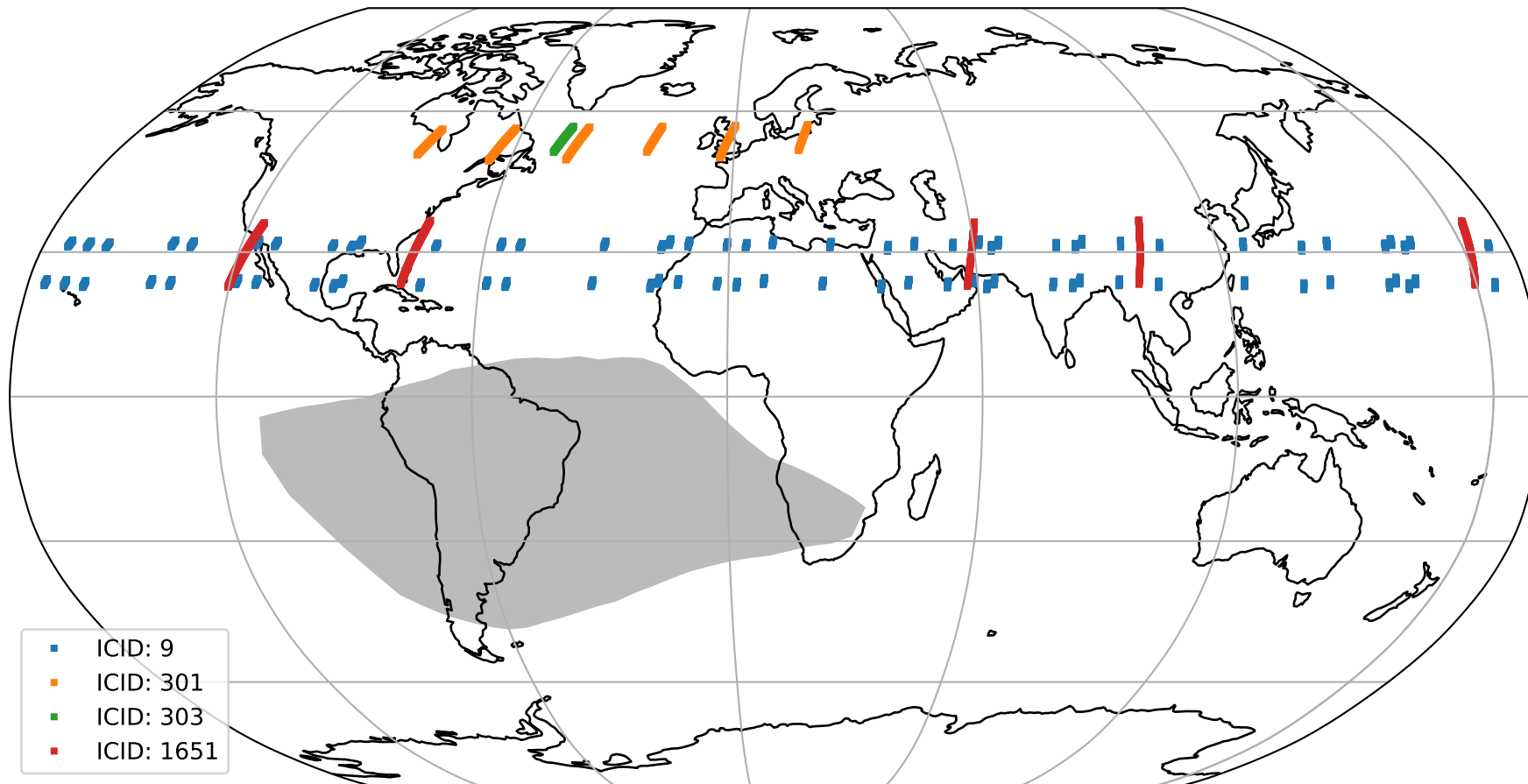
## normalized read noise





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

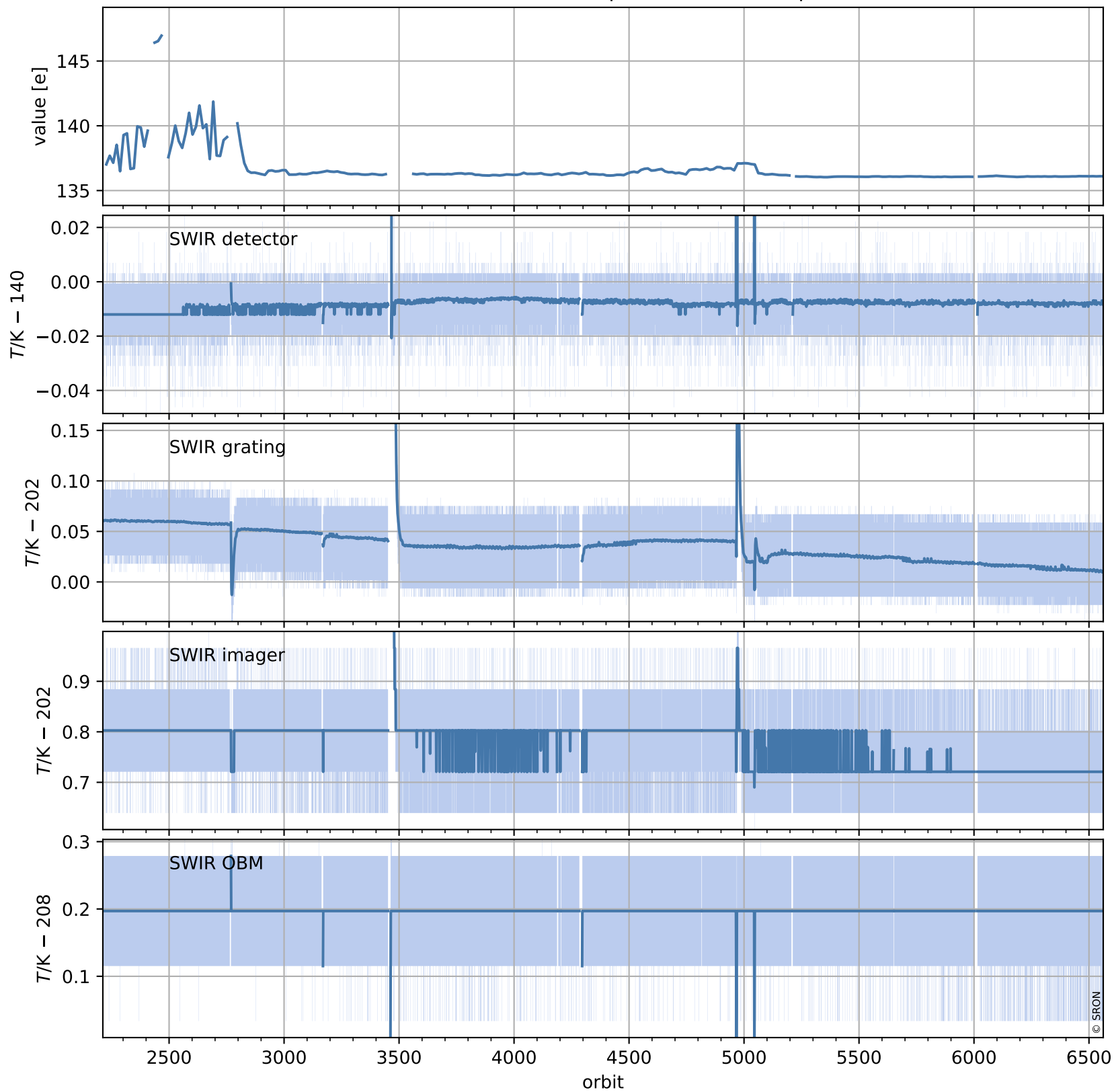
orbits : 12 in [6472, 6562]  
coverage : 2019-01-12 / 2019-01-18  
created : 2023-08-21T14:42:37



# Tropomi SWIR background noise (swir)

orbits : [2212, 6562]  
coverage : 2018-03-18 / 2019-01-18  
created : 2023-08-21T14:42:38

## trend of detector median of plain noise & temperatures

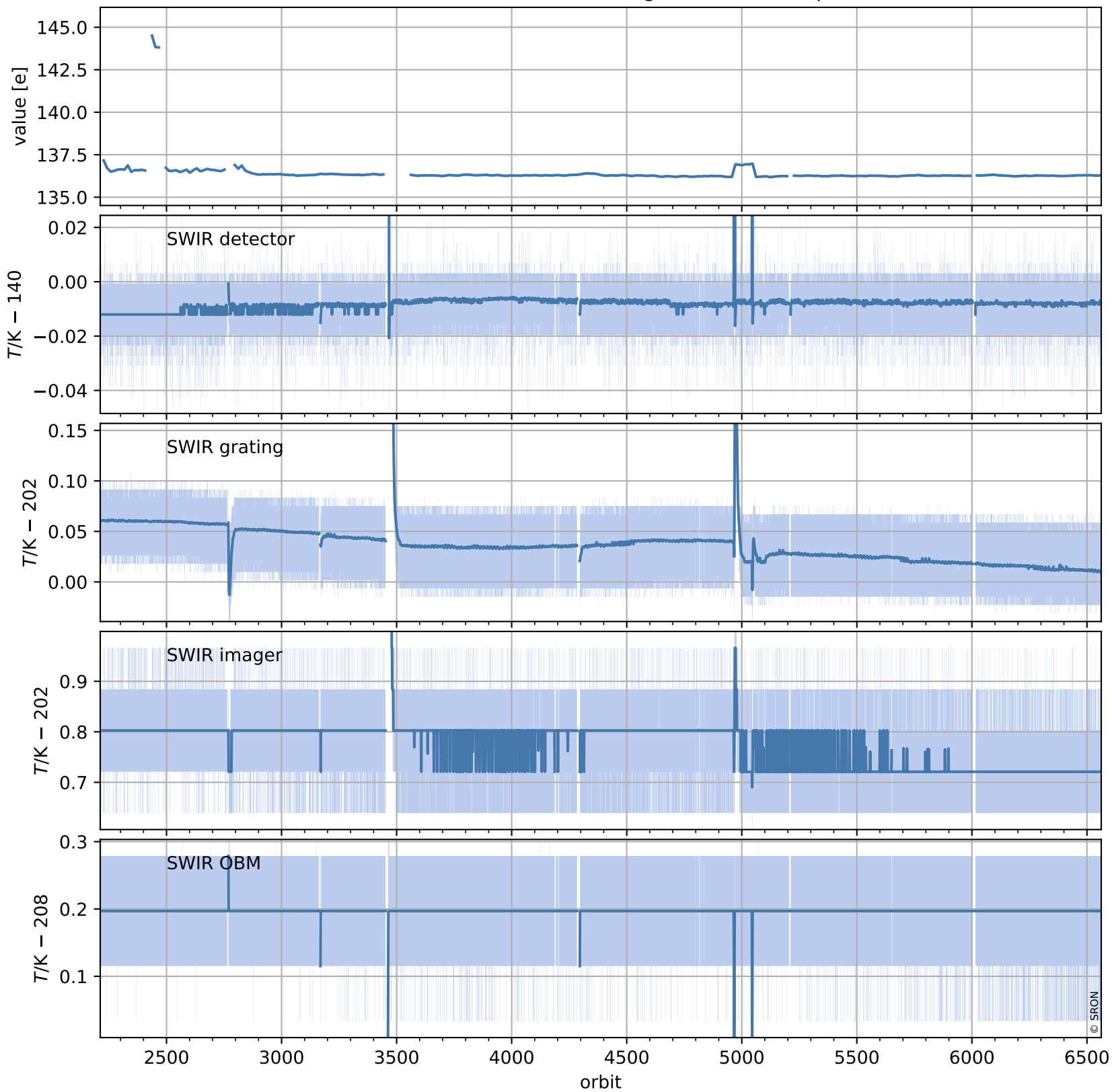




# Tropomi SWIR background noise (swir)

orbits : [2212, 6562]  
coverage : 2018-03-18 / 2019-01-18  
created : 2023-08-21T14:42:39

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6562]  
coverage : 2018-03-18 / 2019-01-18  
created : 2023-08-21T14:42:40

## trend of normalized read-noise & temperatures

