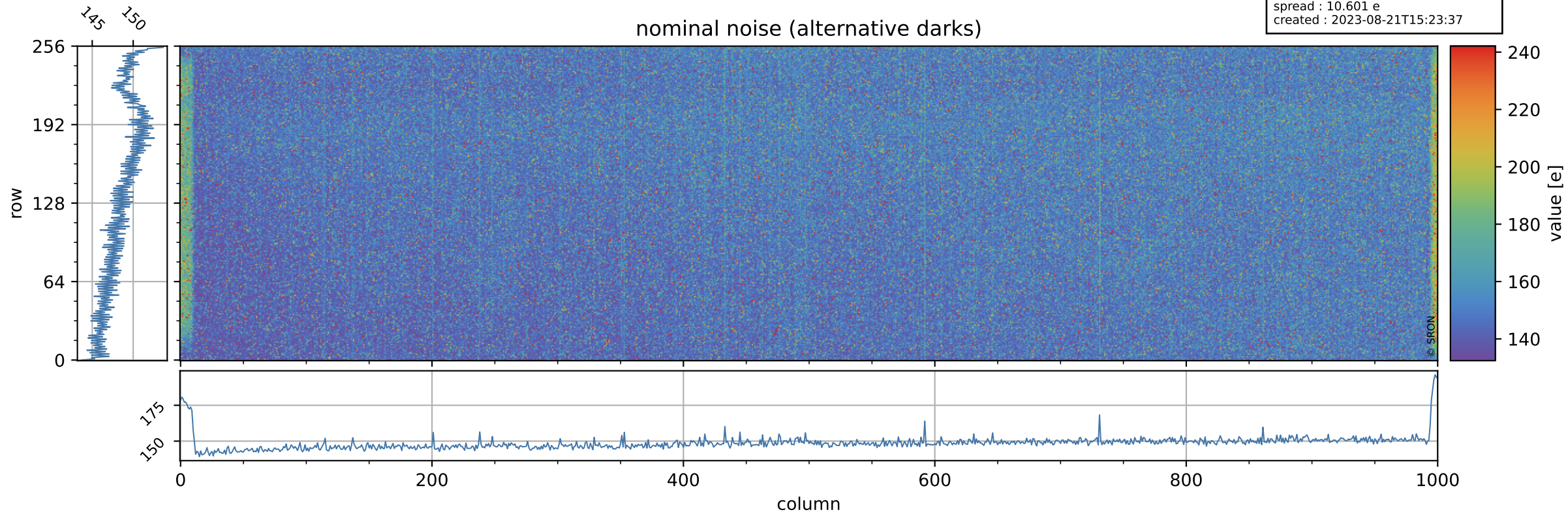


# Tropomi SWIR background noise (swir)

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.601 e  
created : 2023-08-21T15:23:37

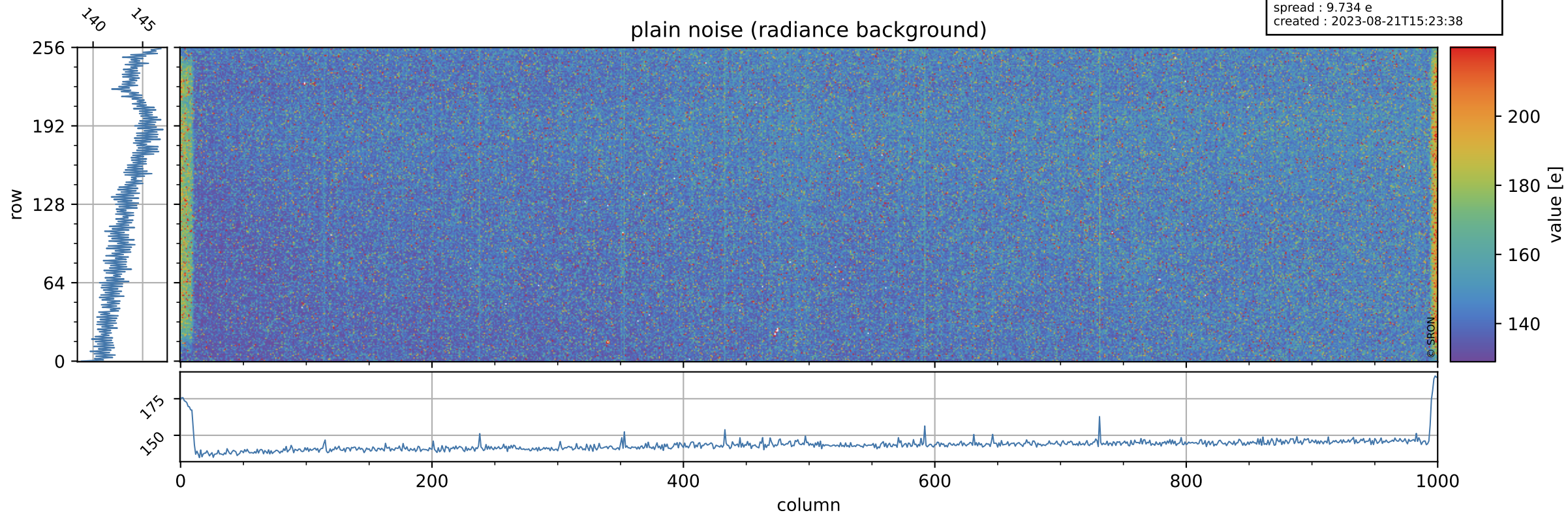
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.734 e  
created : 2023-08-21T15:23:38

plain noise (radiance background)

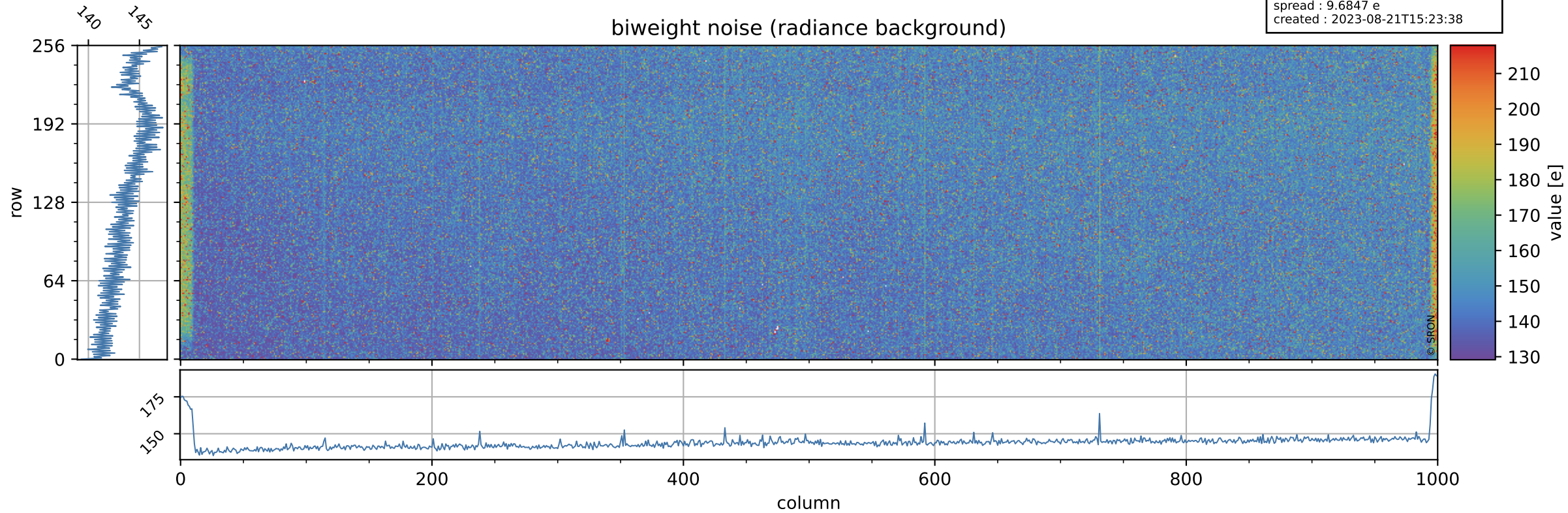




# Tropomi SWIR background noise (swir)

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 9.6847 e  
created : 2023-08-21T15:23:38

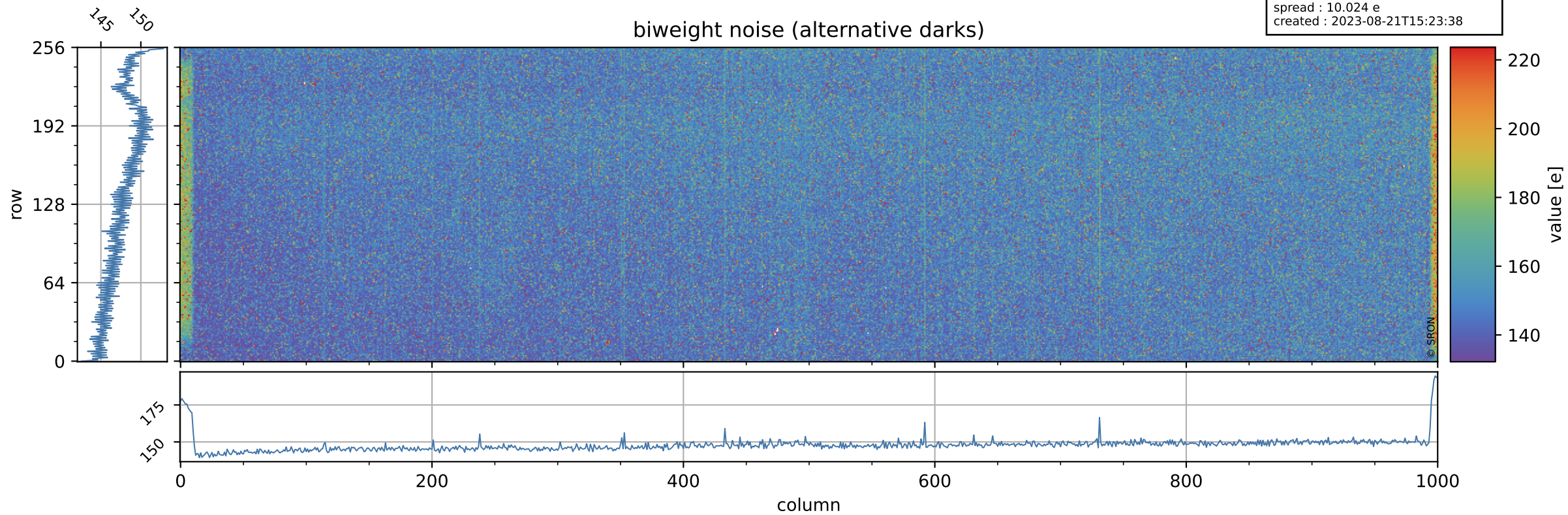
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.024 e  
created : 2023-08-21T15:23:38

## biweight noise (alternative darks)

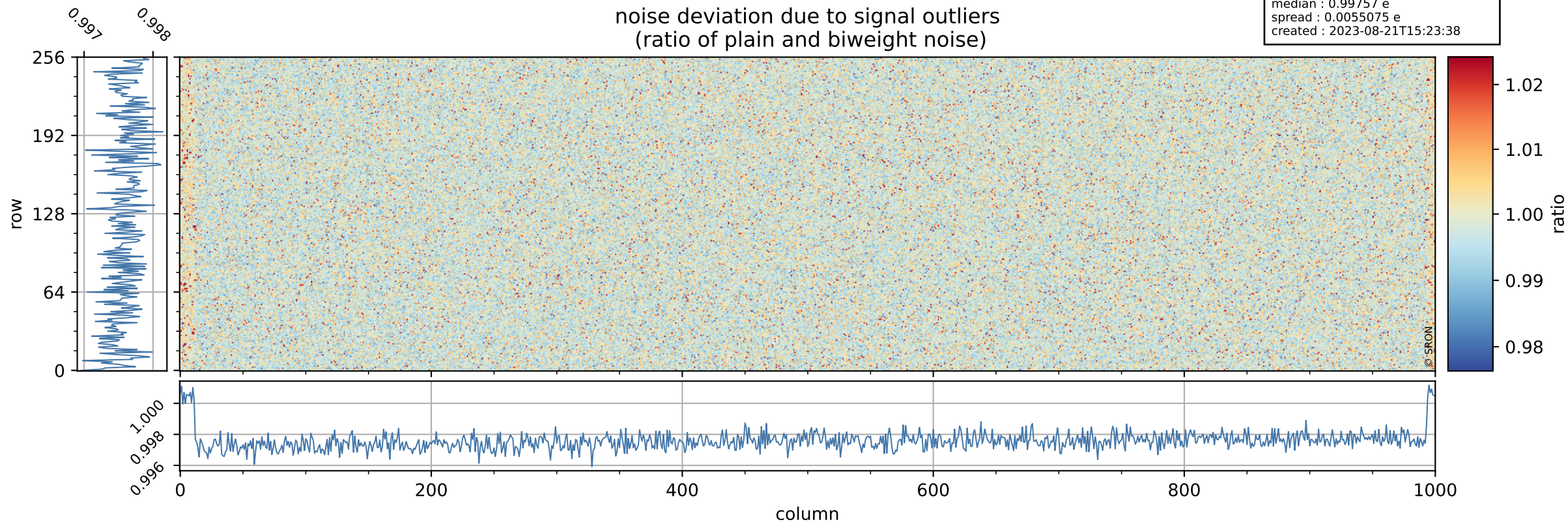




# Tropomi SWIR background noise (swir)

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

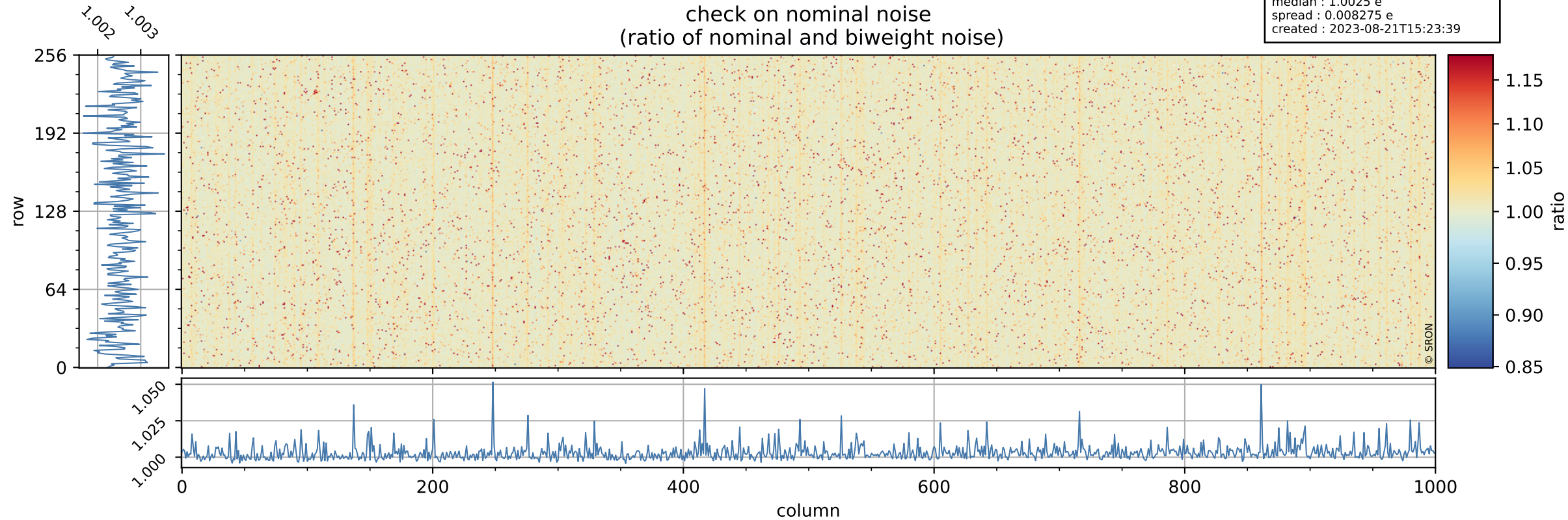
orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
median : 0.99757 e  
spread : 0.0055075 e  
created : 2023-08-21T15:23:38



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
median : 1.0025 e  
spread : 0.008275 e  
created : 2023-08-21T15:23:39

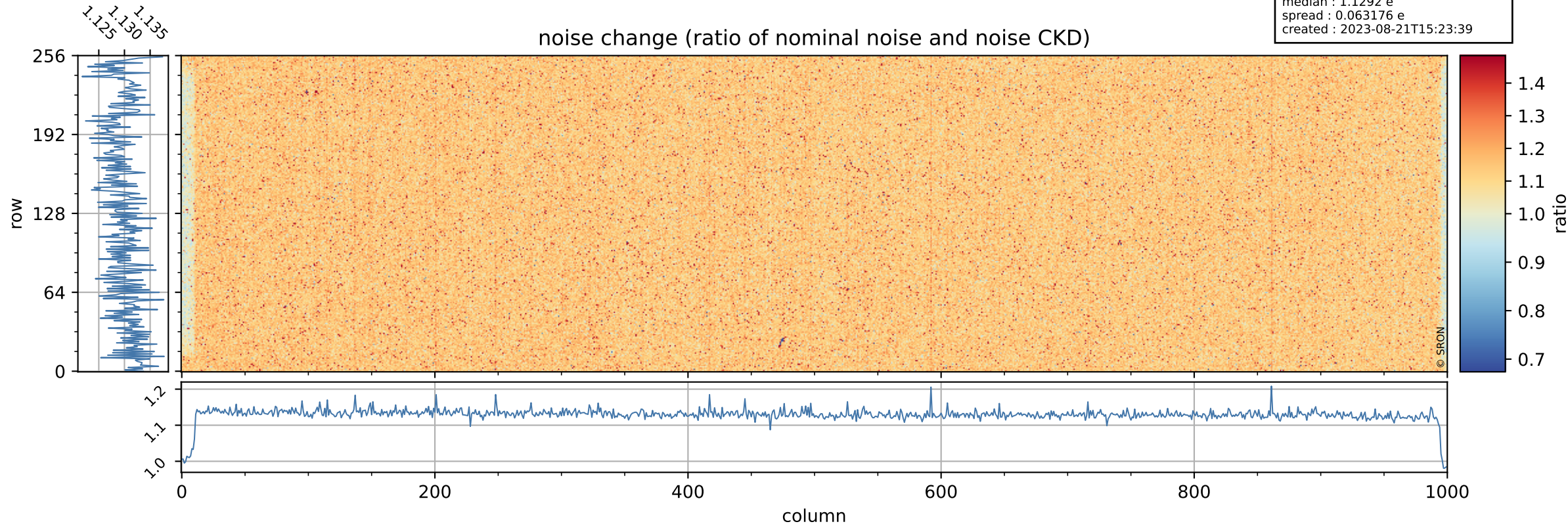




# Tropomi SWIR background noise (swir)

orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
median : 1.1292 e  
spread : 0.063176 e  
created : 2023-08-21T15:23:39

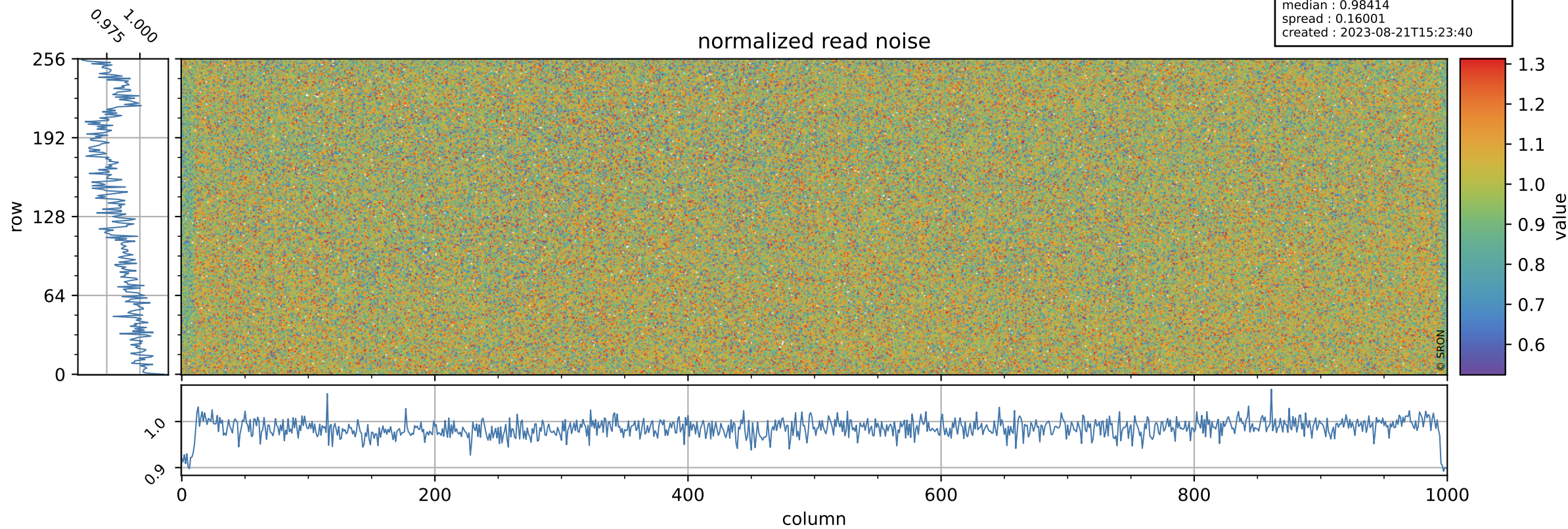
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

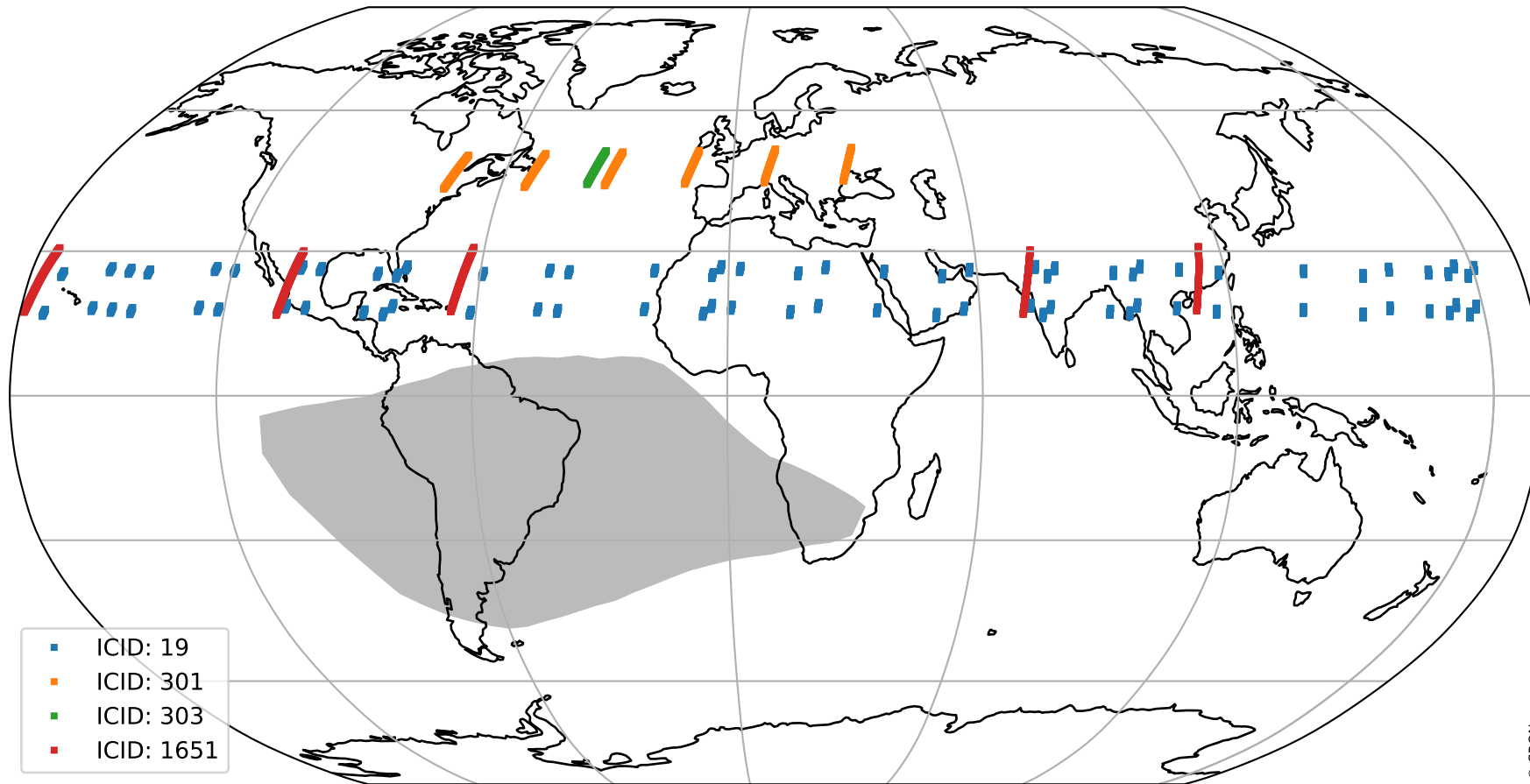
orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
median : 0.98414  
spread : 0.16001  
created : 2023-08-21T15:23:40





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

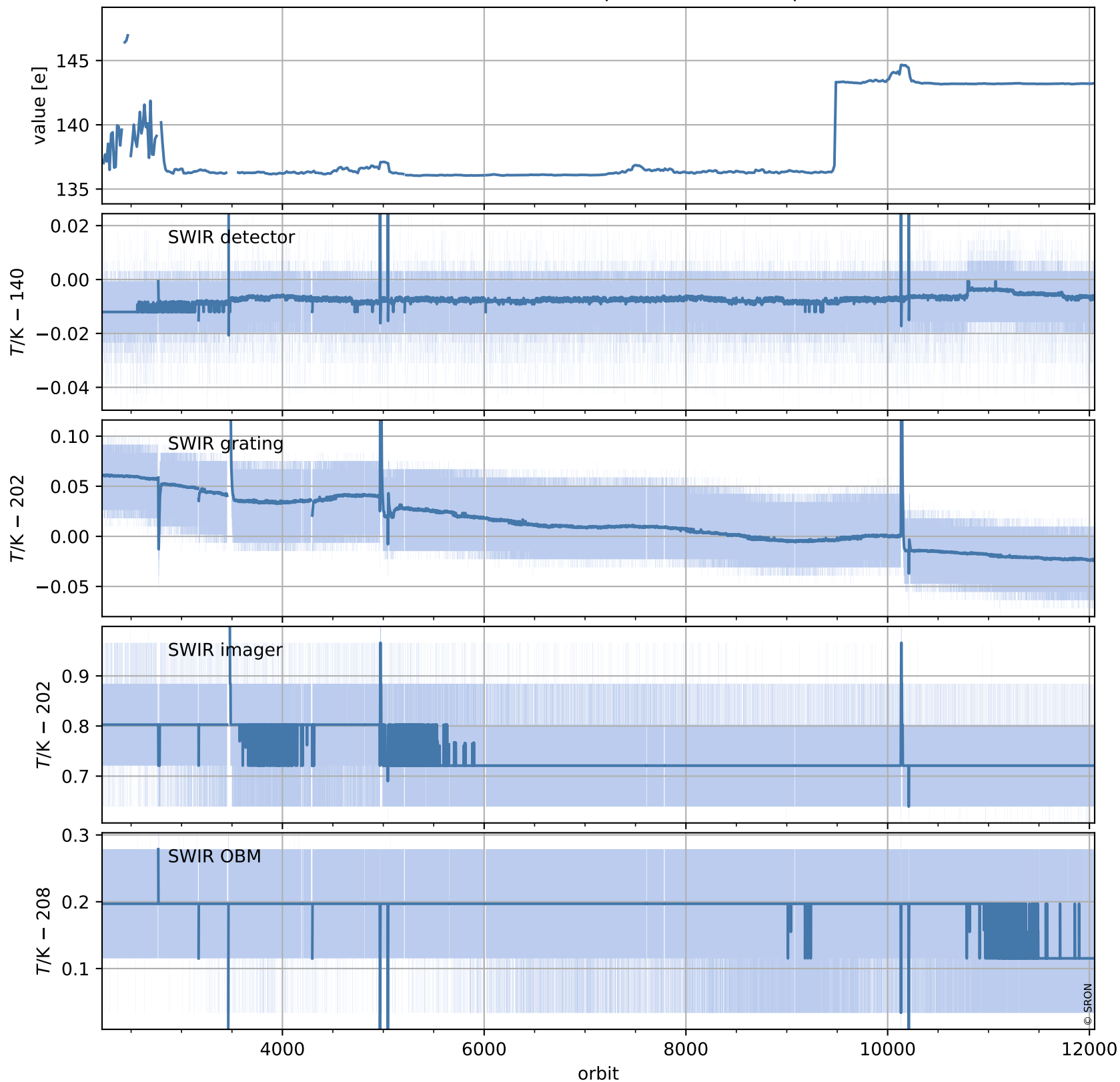
orbits : 12 in [11962, 12052]  
coverage : 2020-02-03 / 2020-02-09  
created : 2023-08-21T15:23:40



# Tropomi SWIR background noise (swir)

orbits : [2212, 12052]  
coverage : 2018-03-18 / 2020-02-09  
created : 2023-08-21T15:23:40

## trend of detector median of plain noise & temperatures

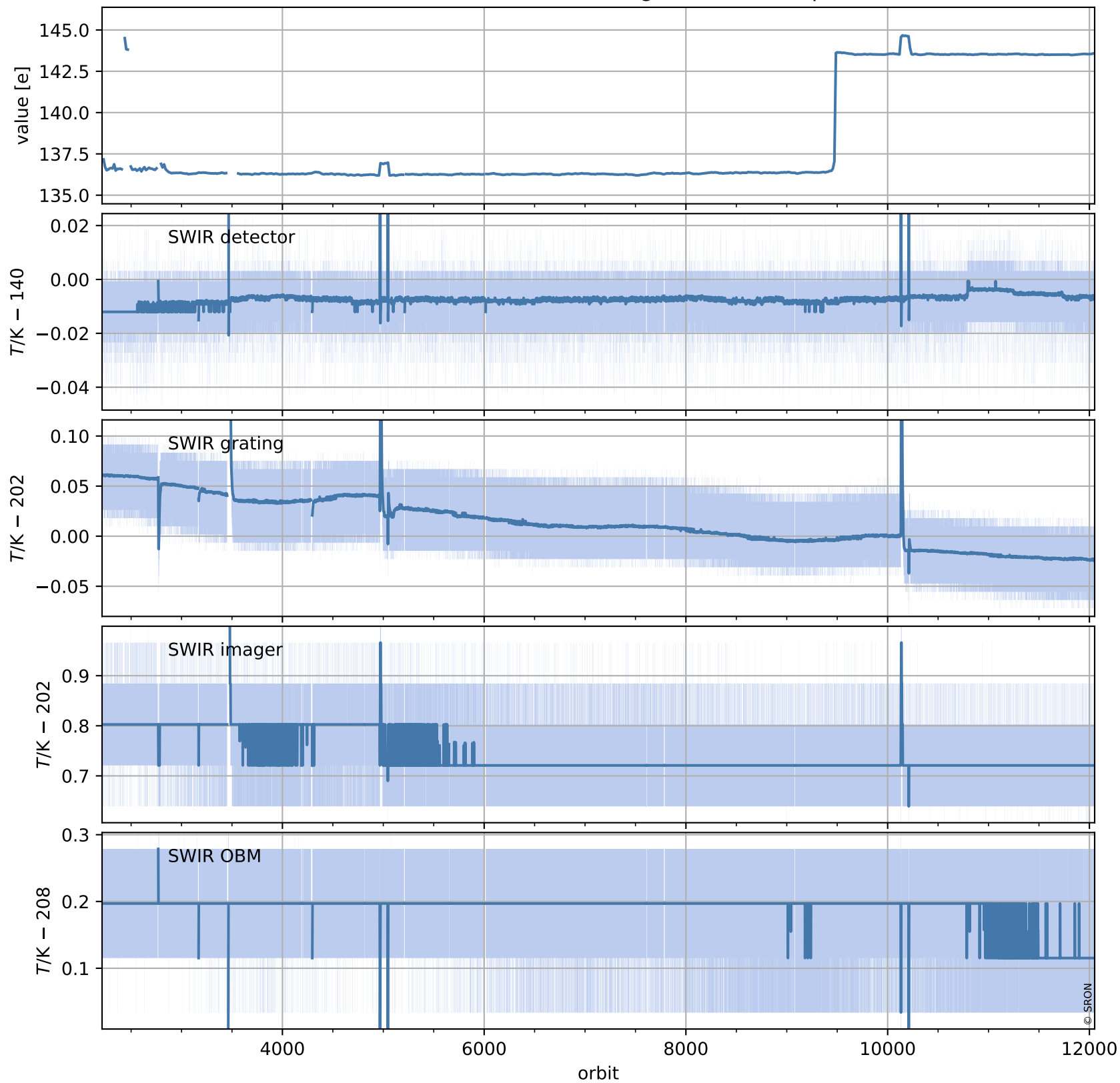




# Tropomi SWIR background noise (swir)

orbits : [2212, 12052]  
coverage : 2018-03-18 / 2020-02-09  
created : 2023-08-21T15:23:41

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12052]  
coverage : 2018-03-18 / 2020-02-09  
created : 2023-08-21T15:23:41

## trend of normalized read-noise & temperatures

