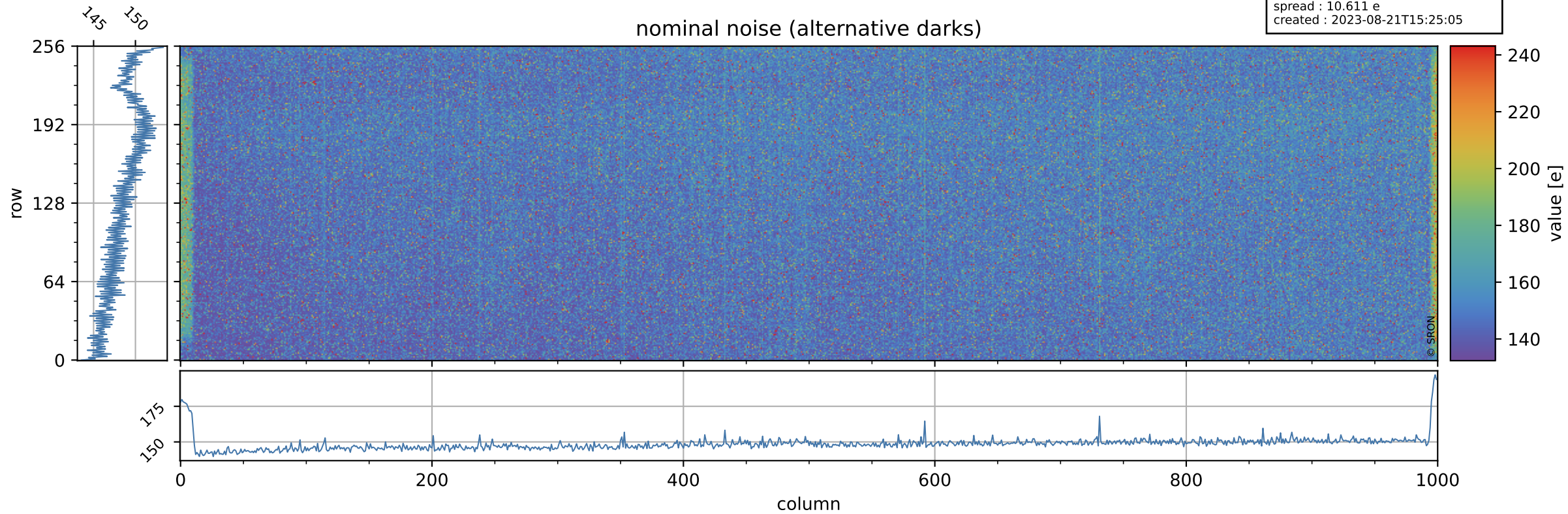


# Tropomi SWIR background noise (swir)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.611 e  
created : 2023-08-21T15:25:05

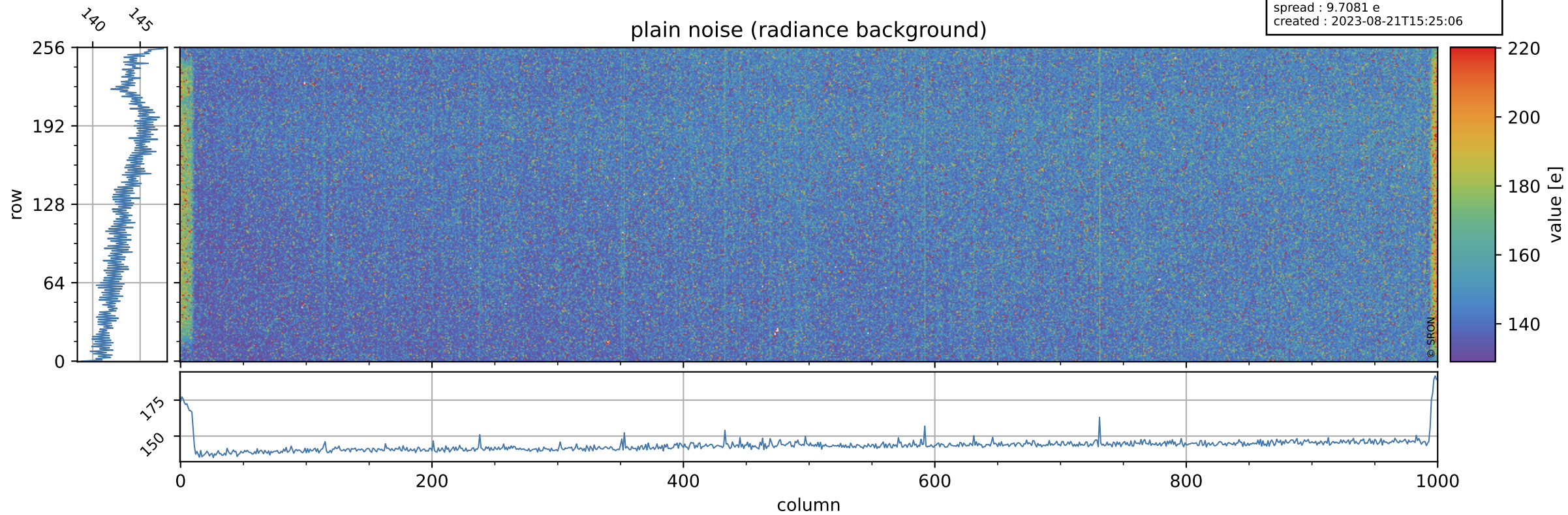
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7081 e  
created : 2023-08-21T15:25:06

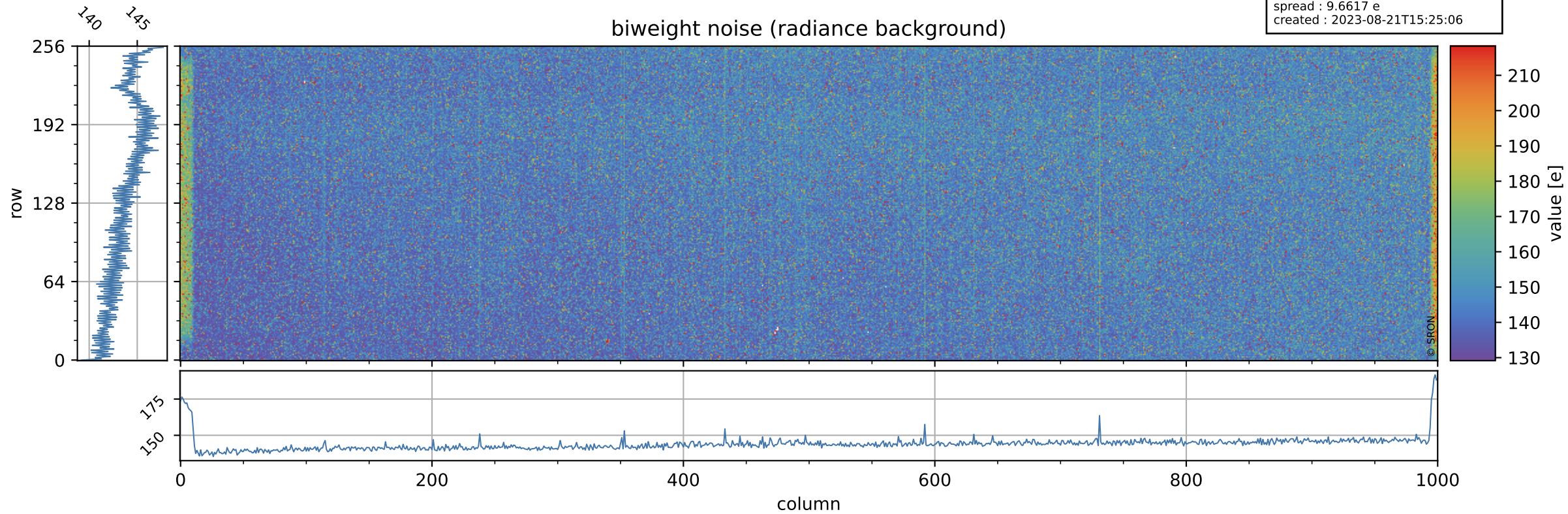
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.6617 e  
created : 2023-08-21T15:25:06

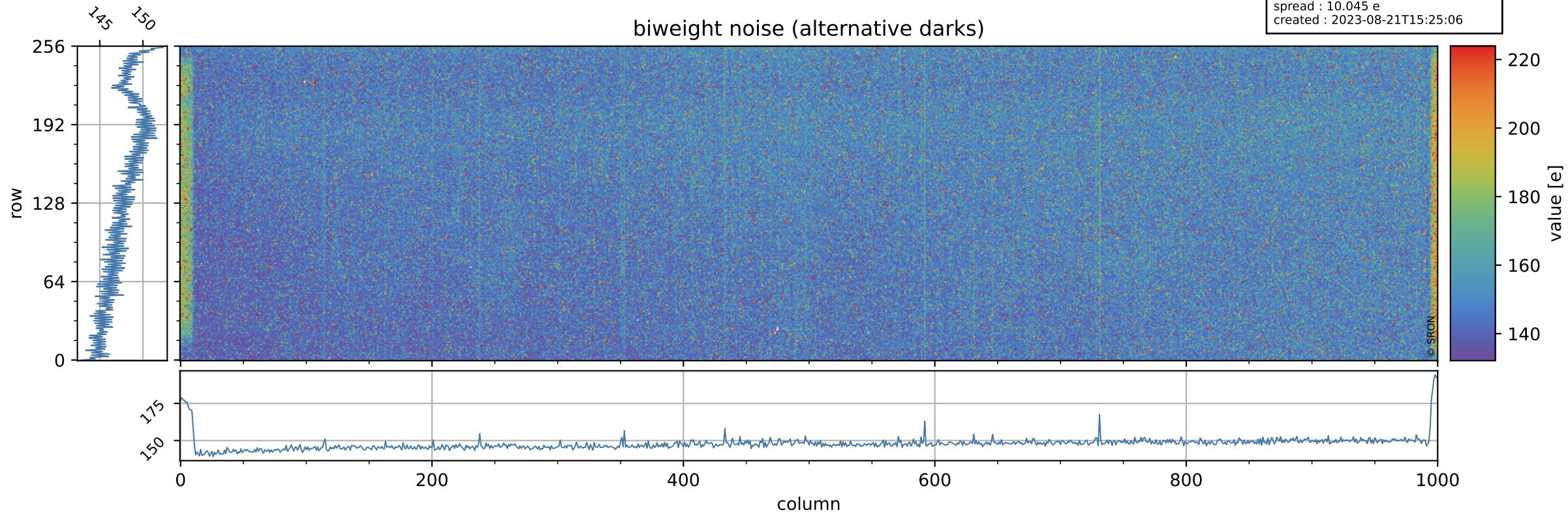
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 10.045 e  
created : 2023-08-21T15:25:06

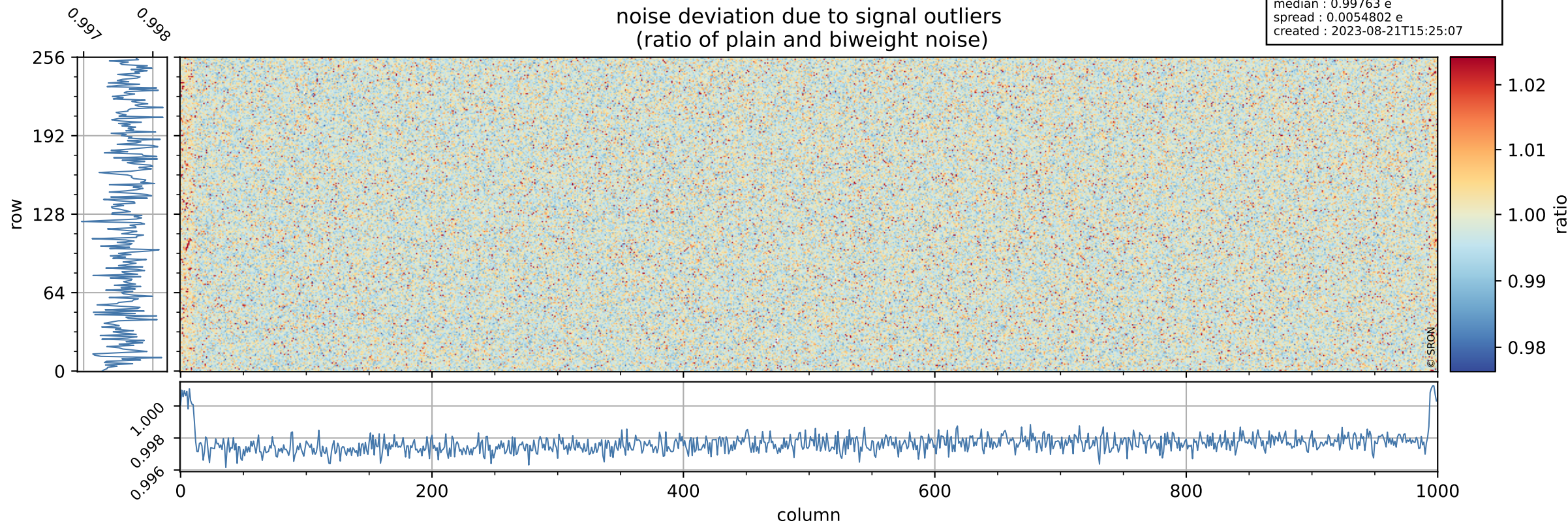
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

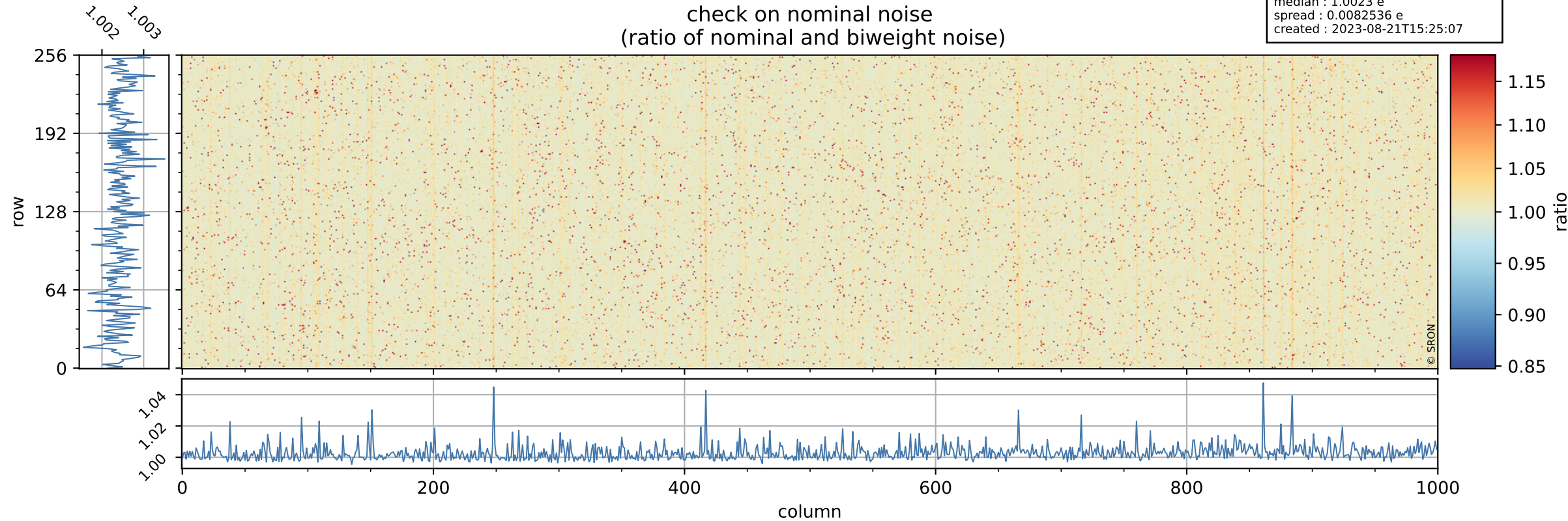
orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
median : 0.99763 e  
spread : 0.0054802 e  
created : 2023-08-21T15:25:07



# Tropomi SWIR background noise (swir)

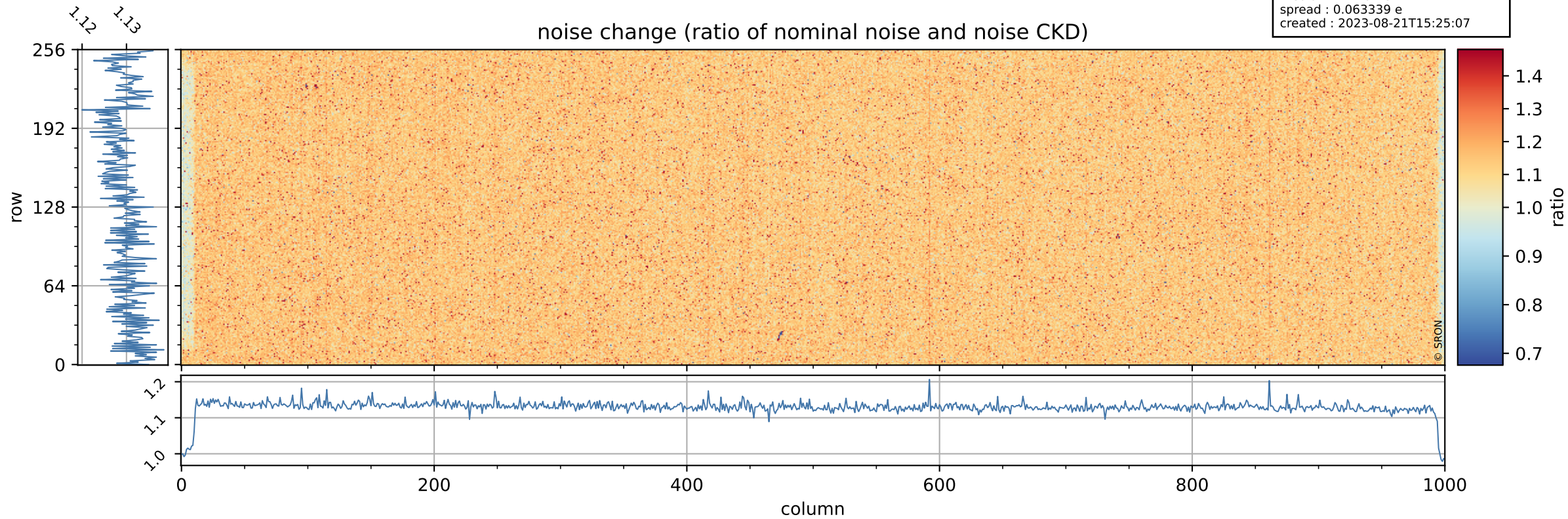
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
median : 1.0023 e  
spread : 0.0082536 e  
created : 2023-08-21T15:25:07



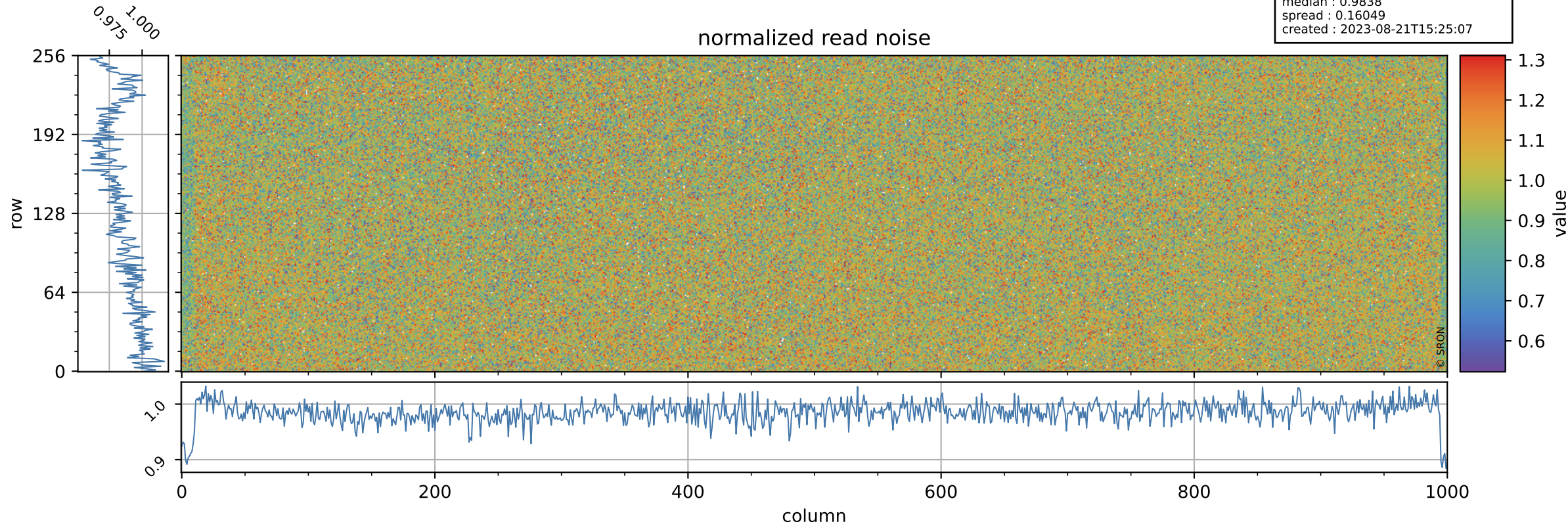
# Tropomi SWIR background noise (swir)

orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
median : 1.1291 e  
spread : 0.063339 e  
created : 2023-08-21T15:25:07



# Tropomi SWIR background noise (swir)

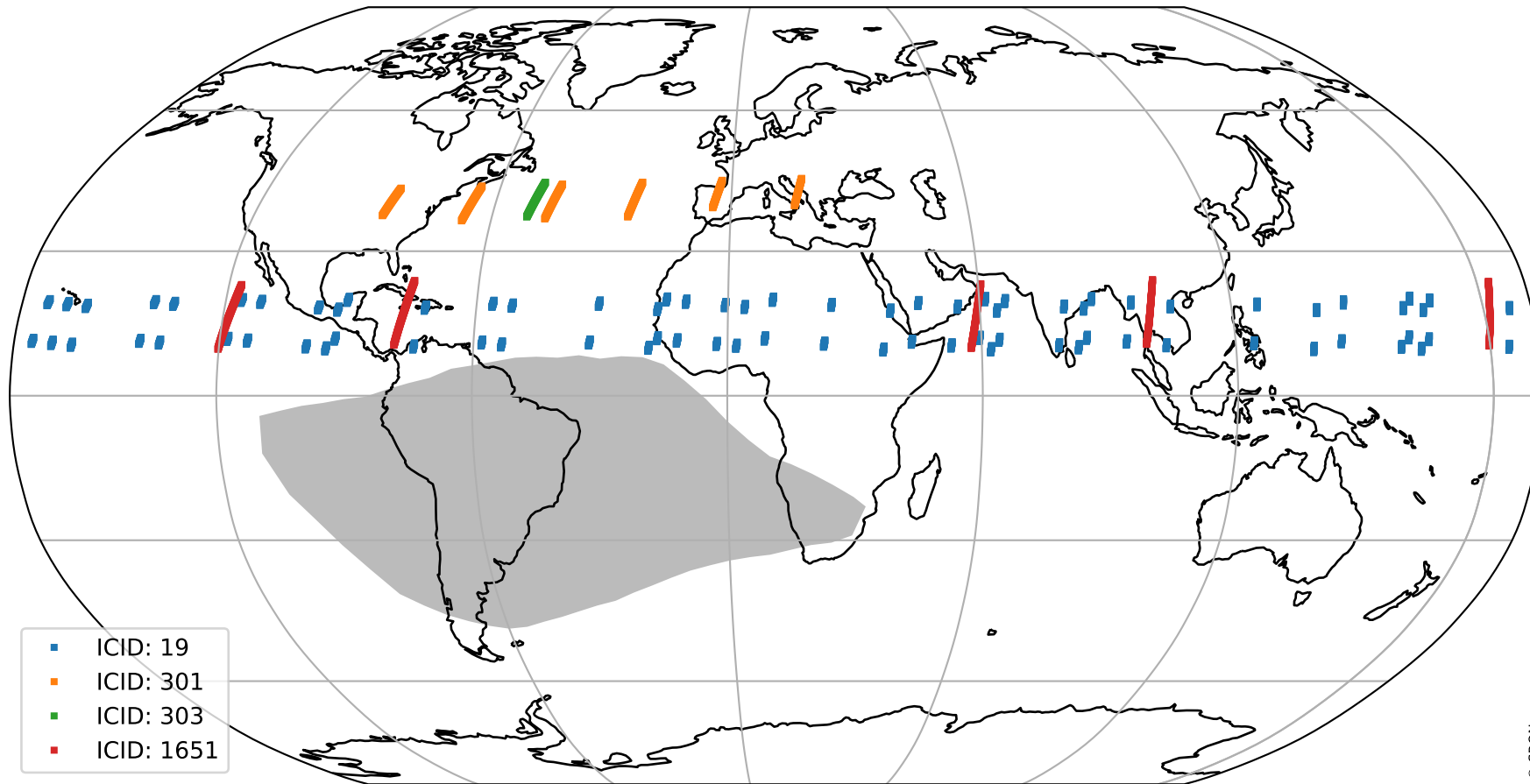
orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
median : 0.9838  
spread : 0.16049  
created : 2023-08-21T15:25:07





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

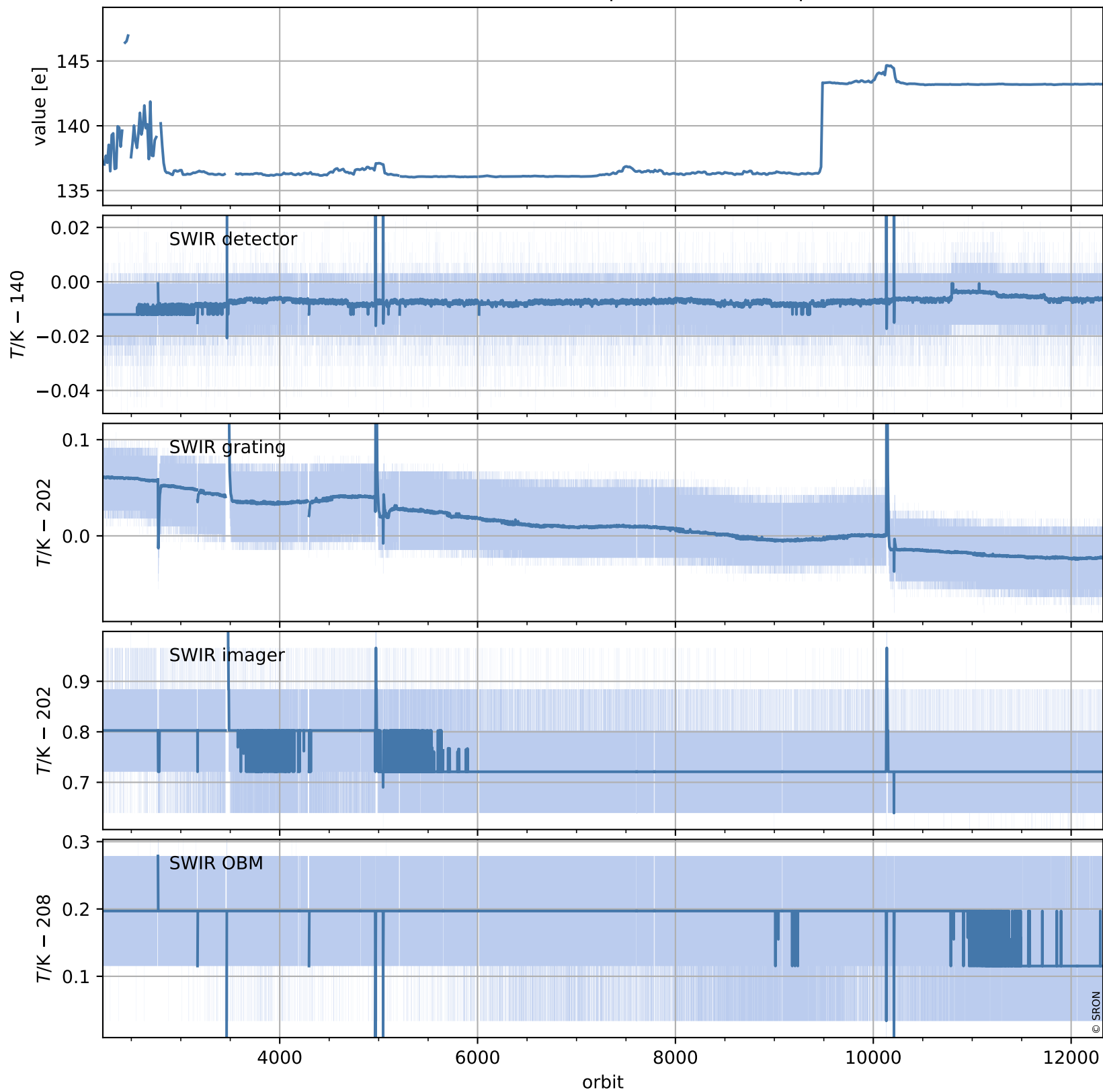
orbits : 12 in [12232, 12322]  
coverage : 2020-02-22 / 2020-02-28  
created : 2023-08-21T15:25:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 12322]  
coverage : 2018-03-18 / 2020-02-28  
created : 2023-08-21T15:25:08

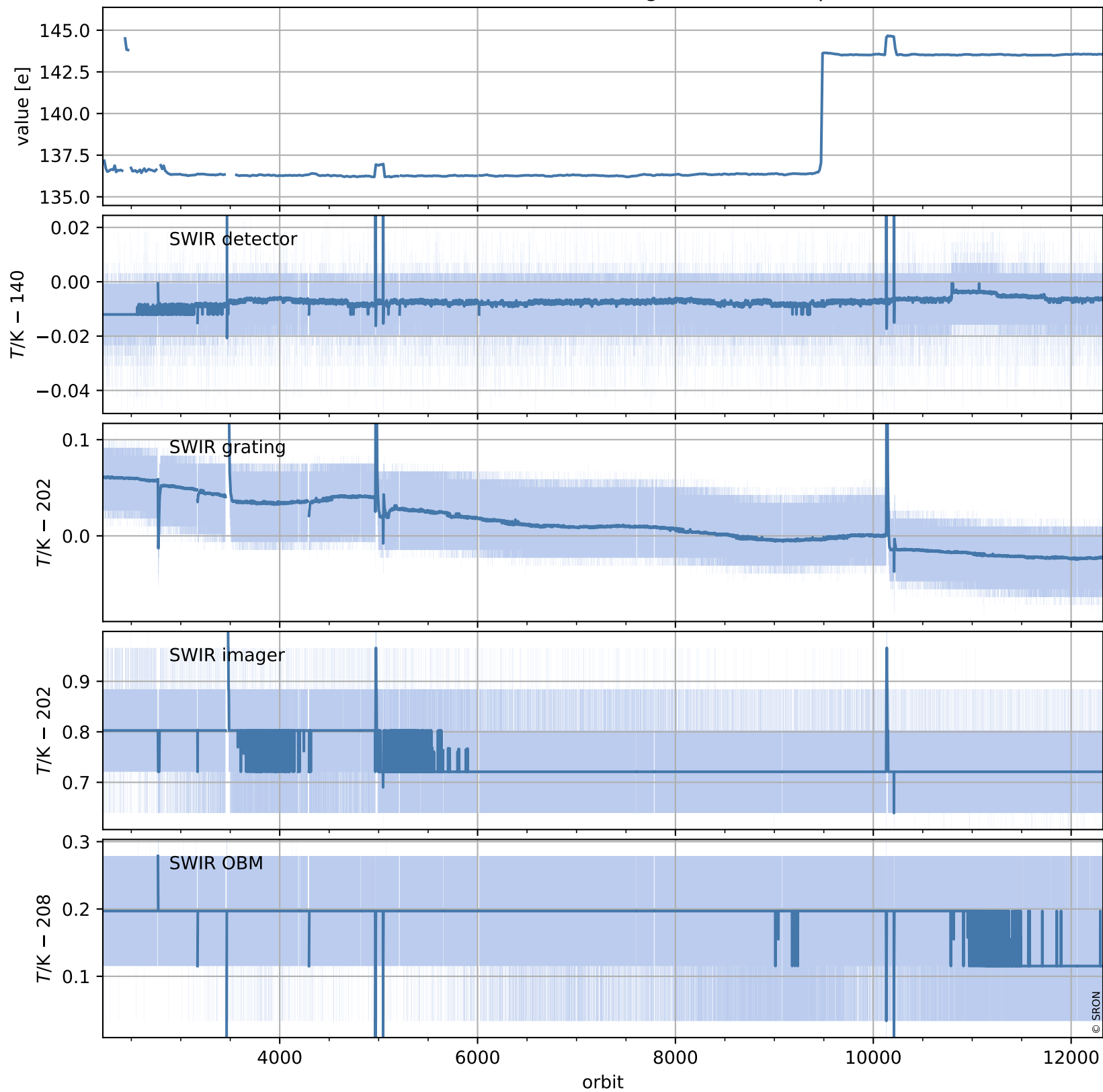
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12322]  
coverage : 2018-03-18 / 2020-02-28  
created : 2023-08-21T15:25:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12322]  
coverage : 2018-03-18 / 2020-02-28  
created : 2023-08-21T15:25:09

## trend of normalized read-noise & temperatures

