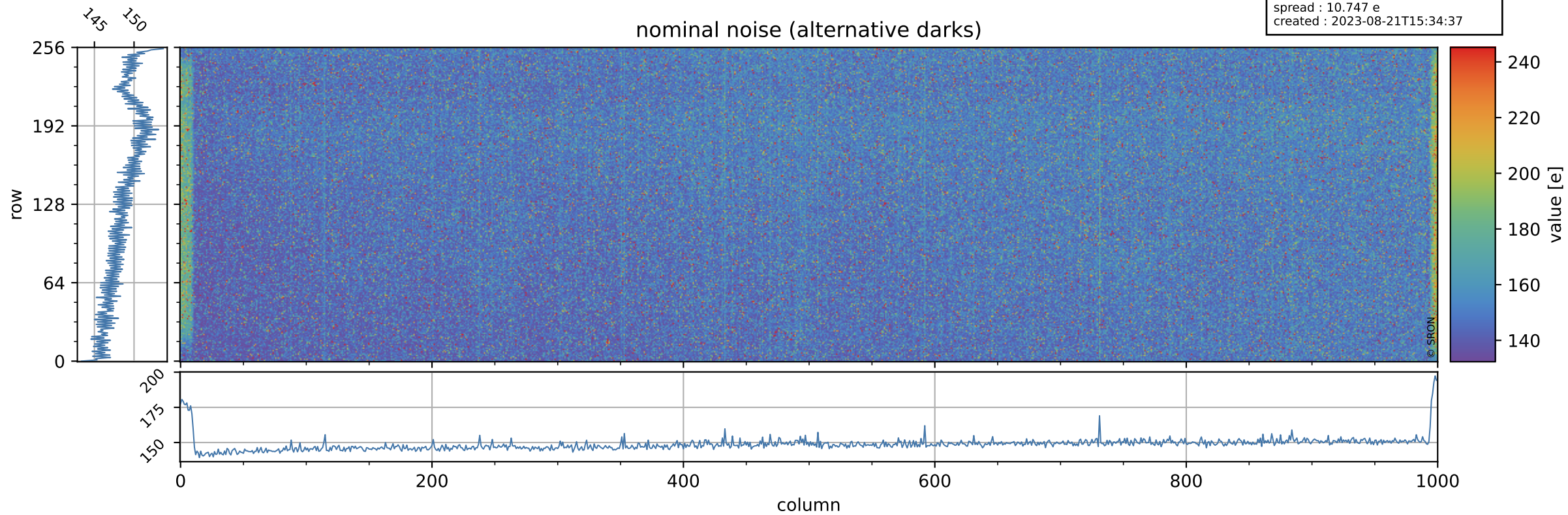


# Tropomi SWIR background noise (swir)

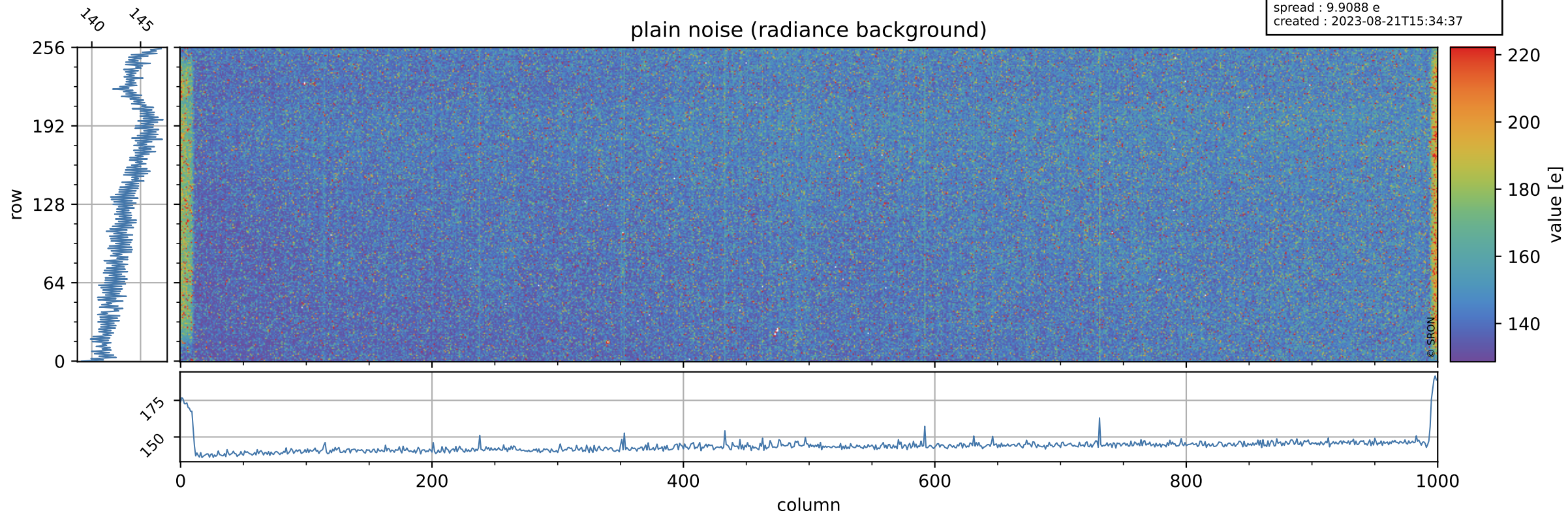
orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.57 e  
spread : 10.747 e  
created : 2023-08-21T15:34:37



# Tropomi SWIR background noise (swir)

orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.51 e  
spread : 9.9088 e  
created : 2023-08-21T15:34:37

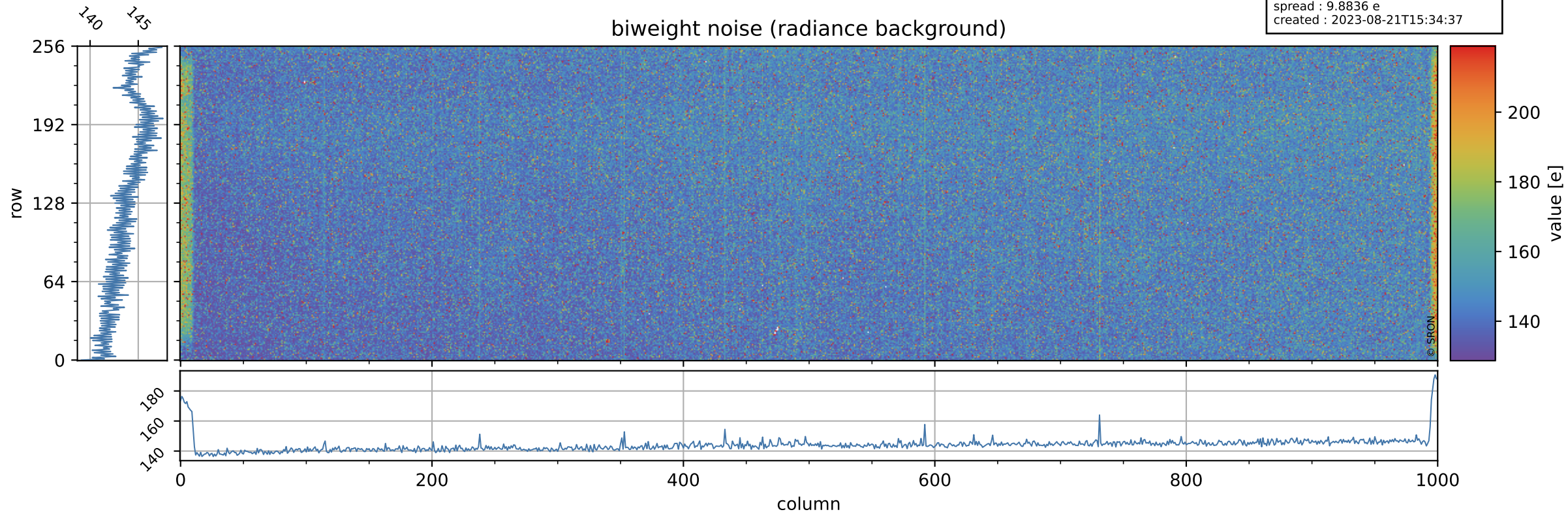
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
n\_coad, t\_exp : 1, 0.8383  
median : 143.77 e  
spread : 9.8836 e  
created : 2023-08-21T15:34:37

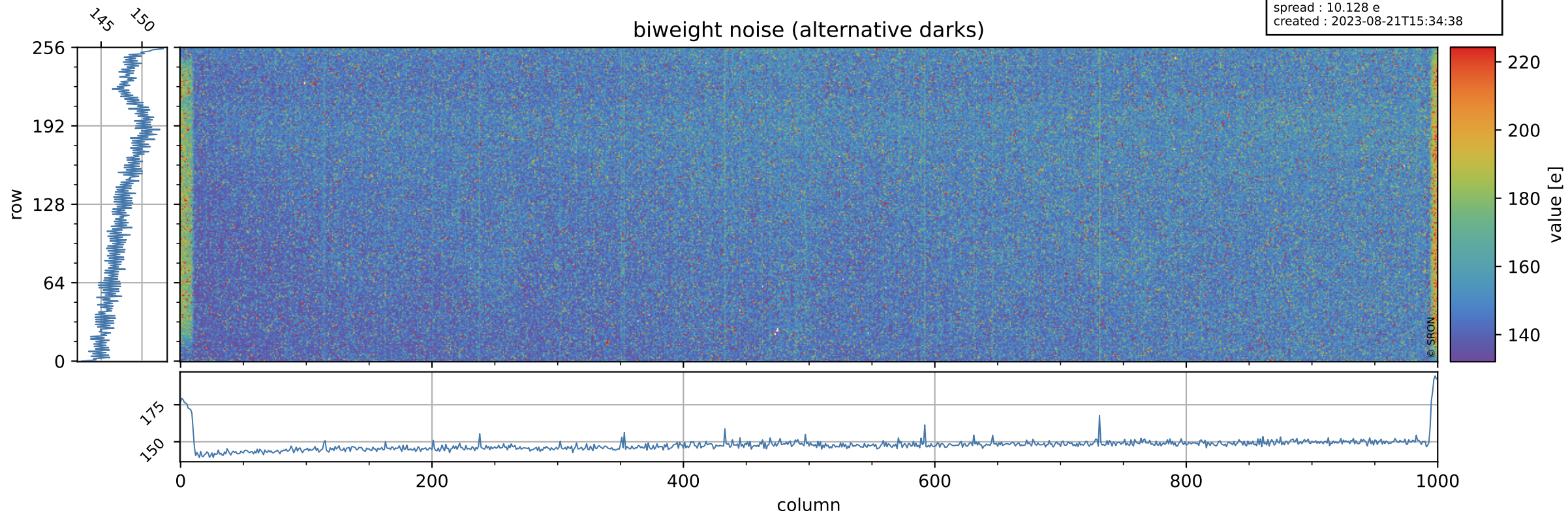
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.66 e  
spread : 10.128 e  
created : 2023-08-21T15:34:38

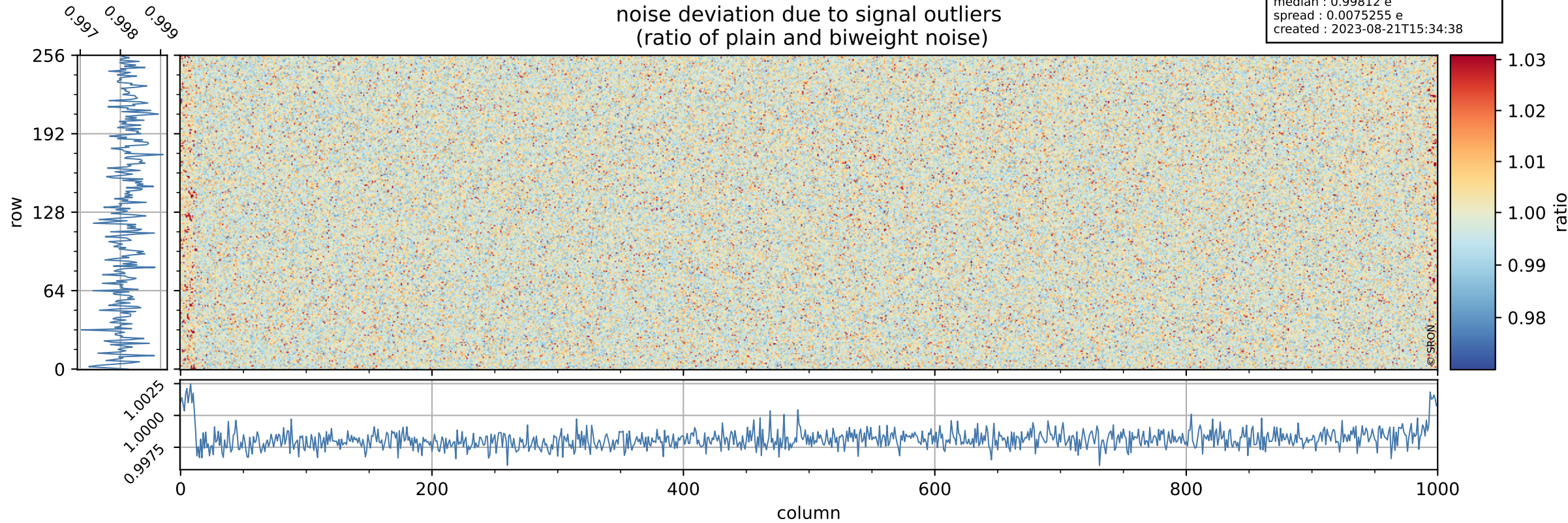
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

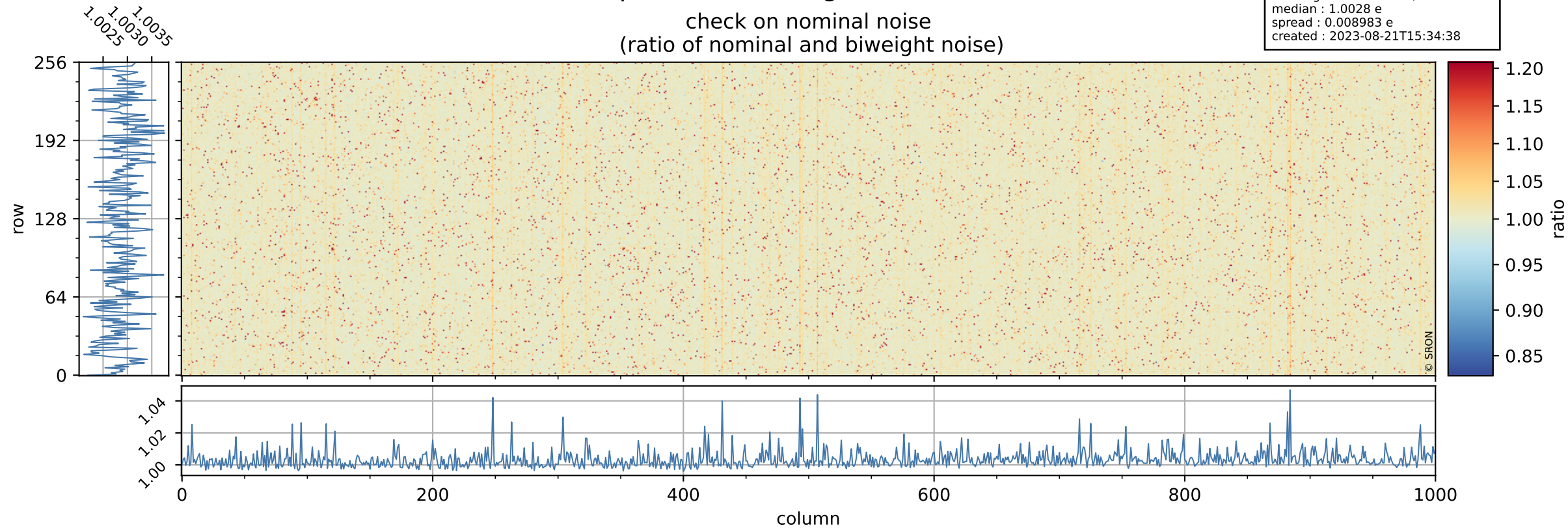
orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
median : 0.99812 e  
spread : 0.0075255 e  
created : 2023-08-21T15:34:38



# Tropomi SWIR background noise (swir)

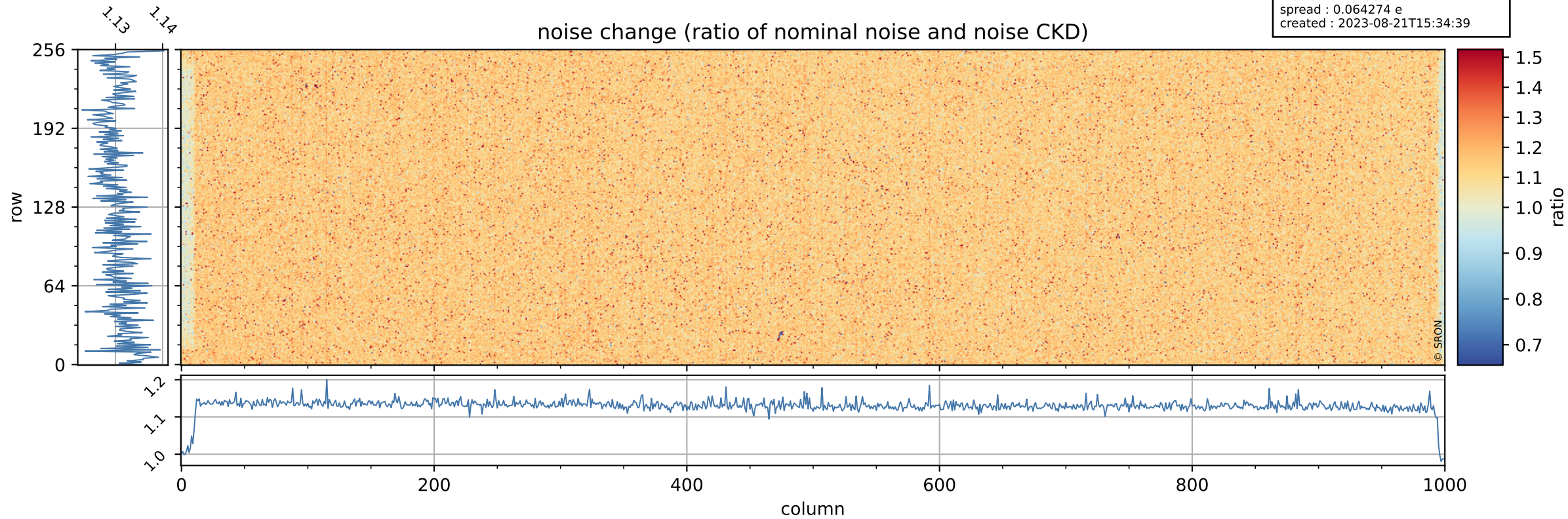
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
median : 1.0028 e  
spread : 0.008983 e  
created : 2023-08-21T15:34:38



# Tropomi SWIR background noise (swir)

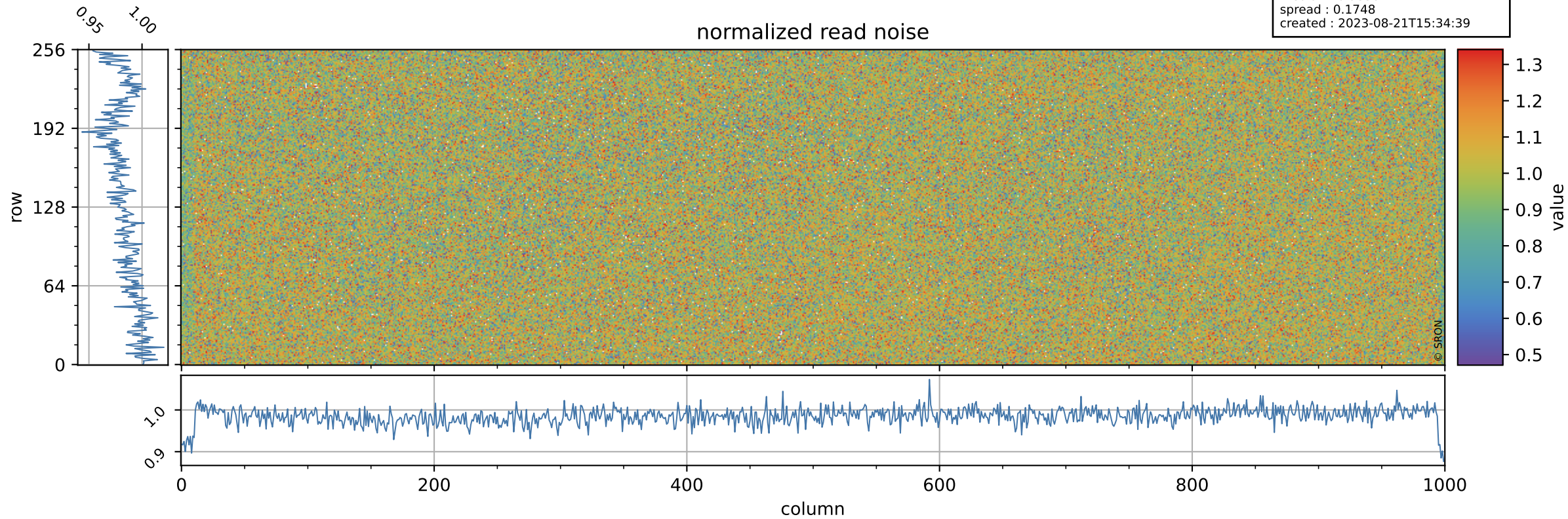
orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
median : 1.1298 e  
spread : 0.064274 e  
created : 2023-08-21T15:34:39



# Tropomi SWIR background noise (swir)

orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
median : 0.9836  
spread : 0.1748  
created : 2023-08-21T15:34:39

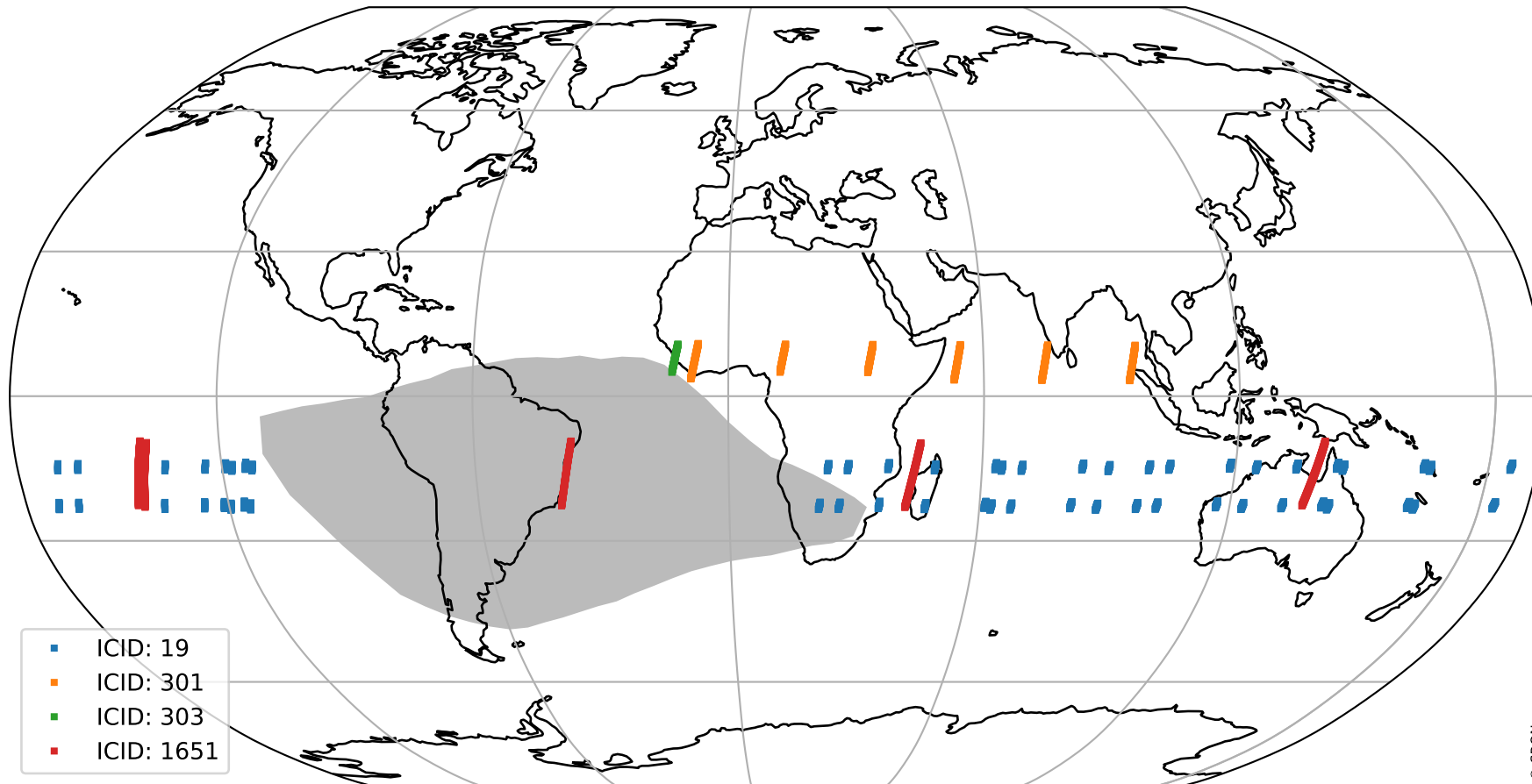
normalized read noise





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

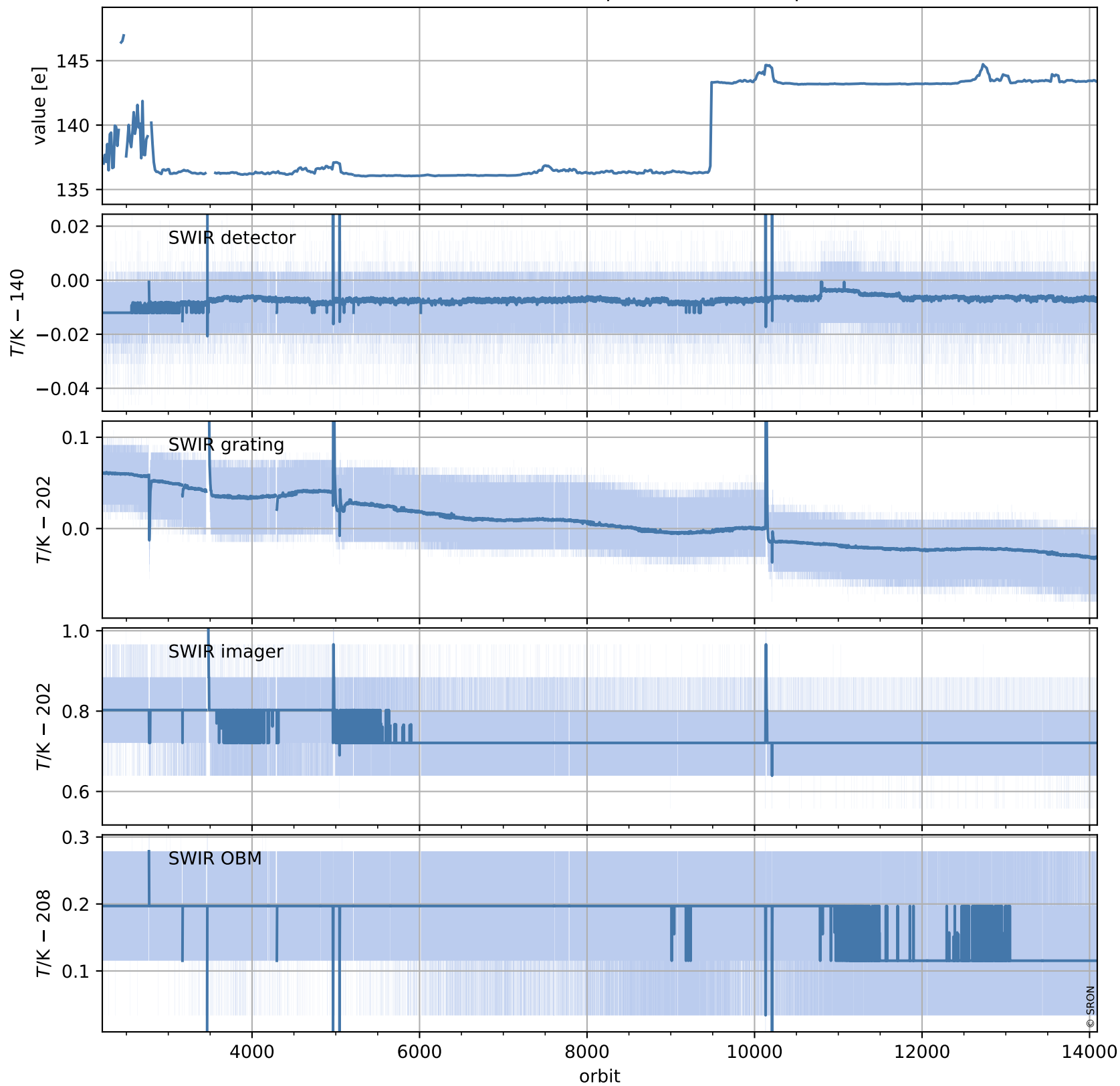
orbits : 12 in [14002, 14092]  
coverage : 2020-06-26 / 2020-07-02  
created : 2023-08-21T15:34:39



# Tropomi SWIR background noise (swir)

orbits : [2212, 14092]  
coverage : 2018-03-18 / 2020-07-02  
created : 2023-08-21T15:34:40

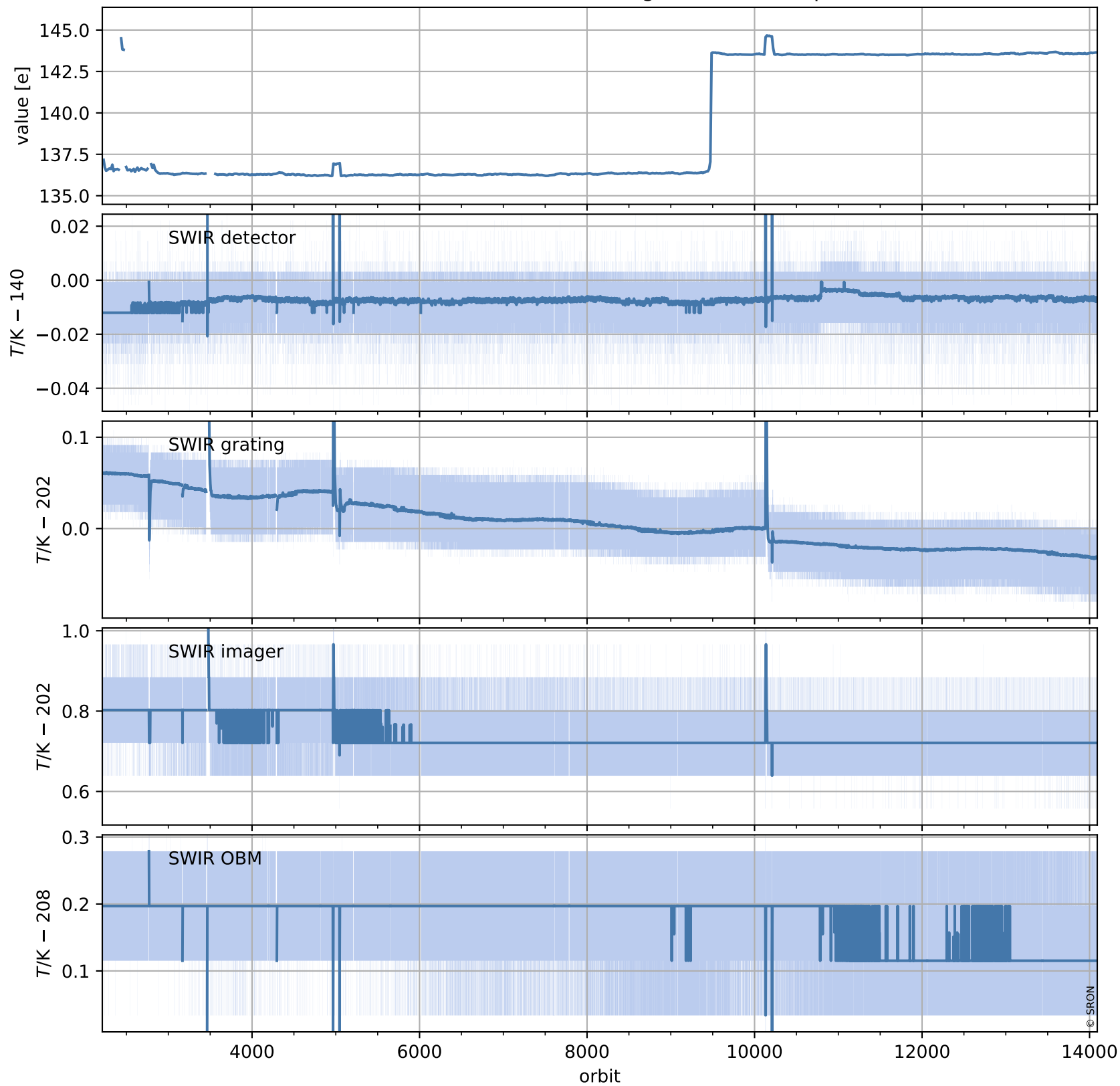
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14092]  
coverage : 2018-03-18 / 2020-07-02  
created : 2023-08-21T15:34:40

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14092]  
coverage : 2018-03-18 / 2020-07-02  
created : 2023-08-21T15:34:41

## trend of normalized read-noise & temperatures

