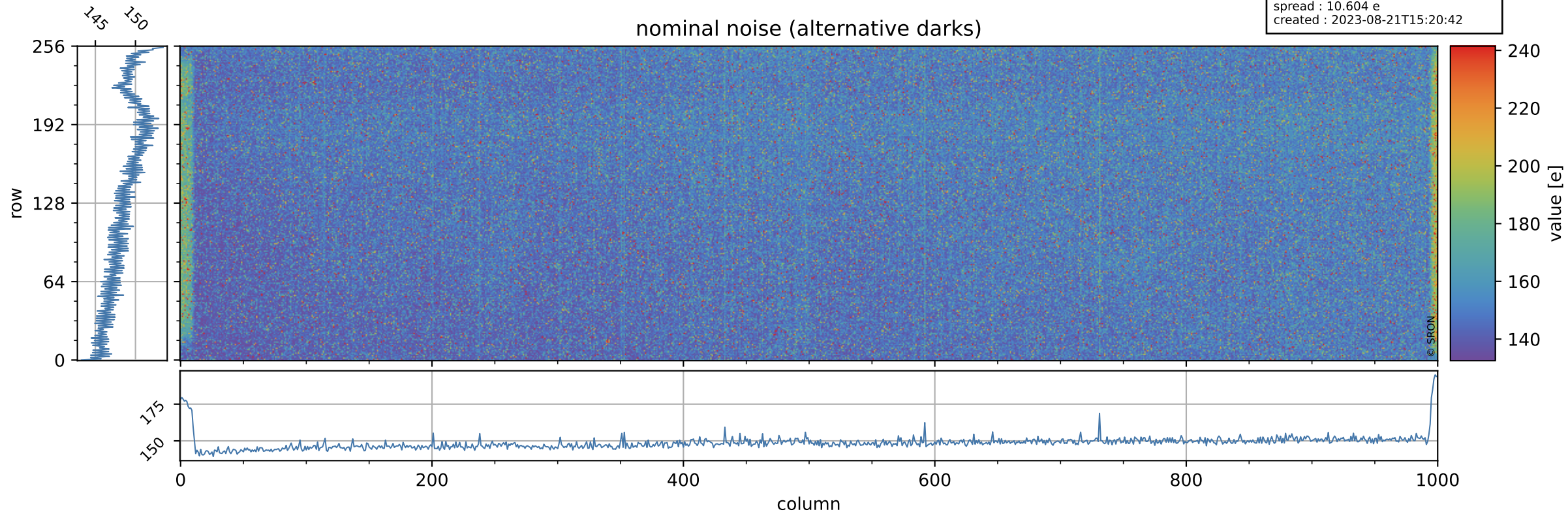


# Tropomi SWIR background noise (swir)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.51 e  
spread : 10.604 e  
created : 2023-08-21T15:20:42

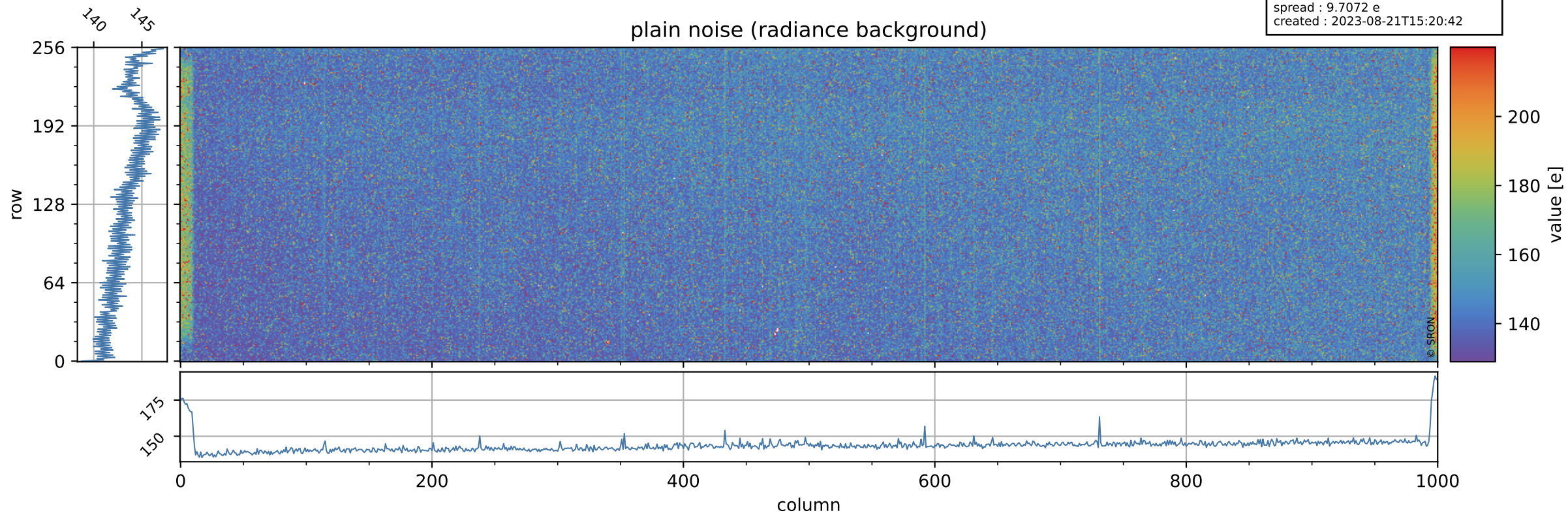
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7072 e  
created : 2023-08-21T15:20:42

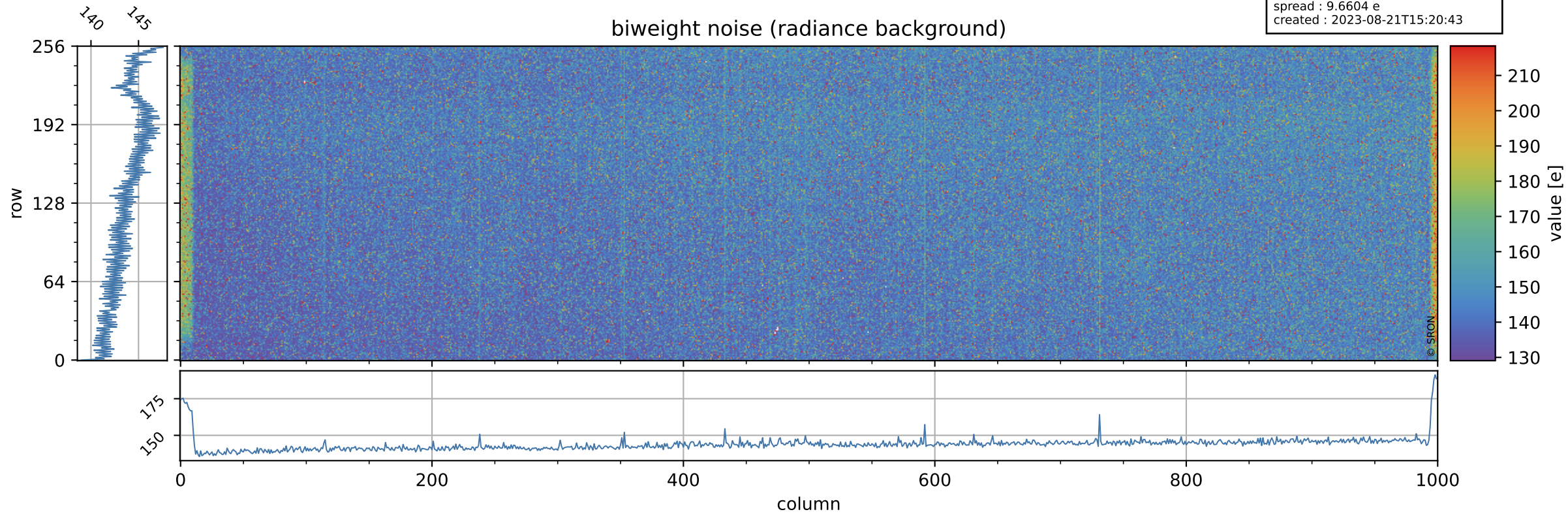
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6604 e  
created : 2023-08-21T15:20:43

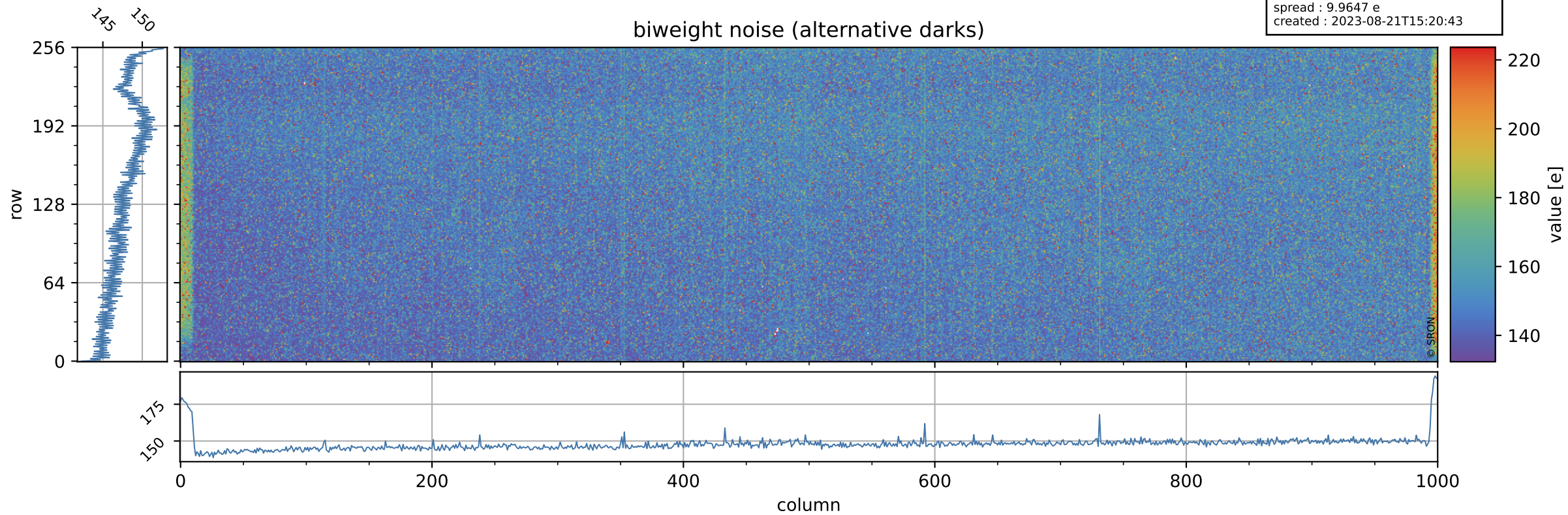
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 9.9647 e  
created : 2023-08-21T15:20:43

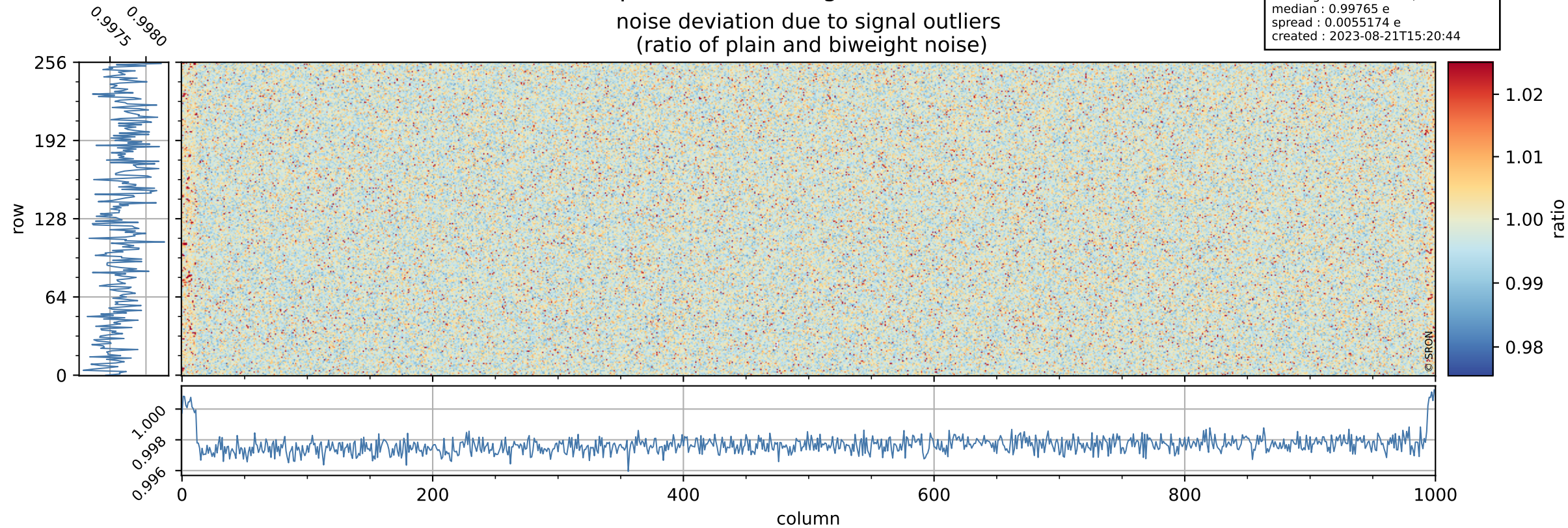
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

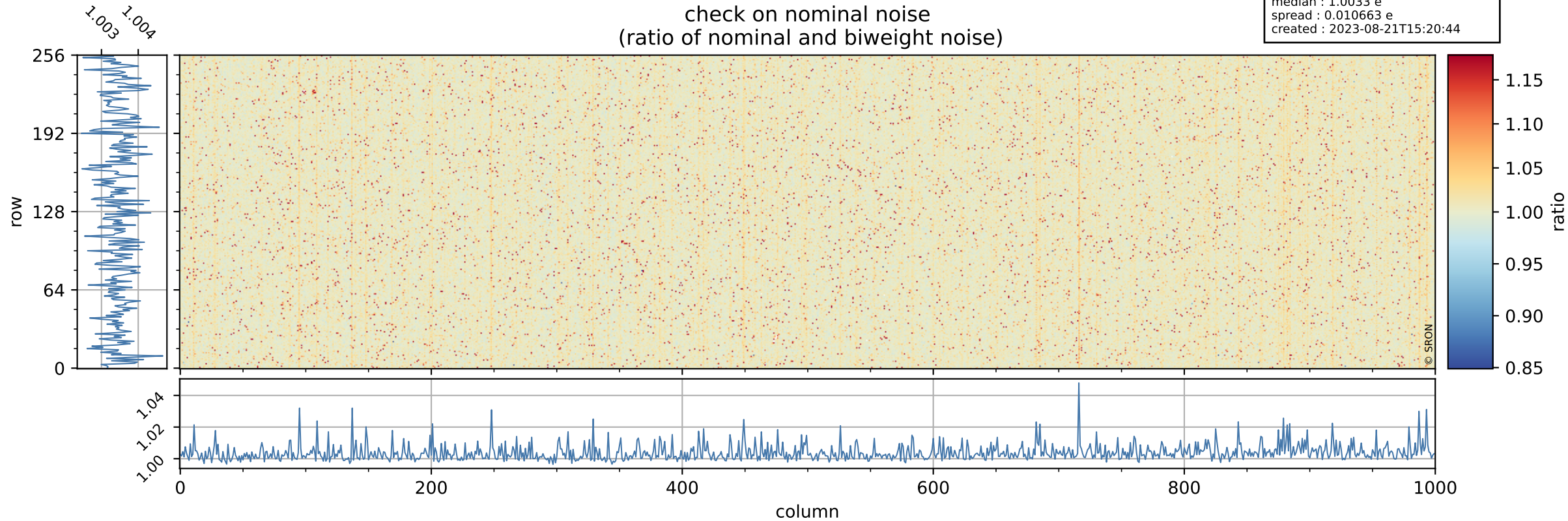
orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
median : 0.99765 e  
spread : 0.0055174 e  
created : 2023-08-21T15:20:44



# Tropomi SWIR background noise (swir)

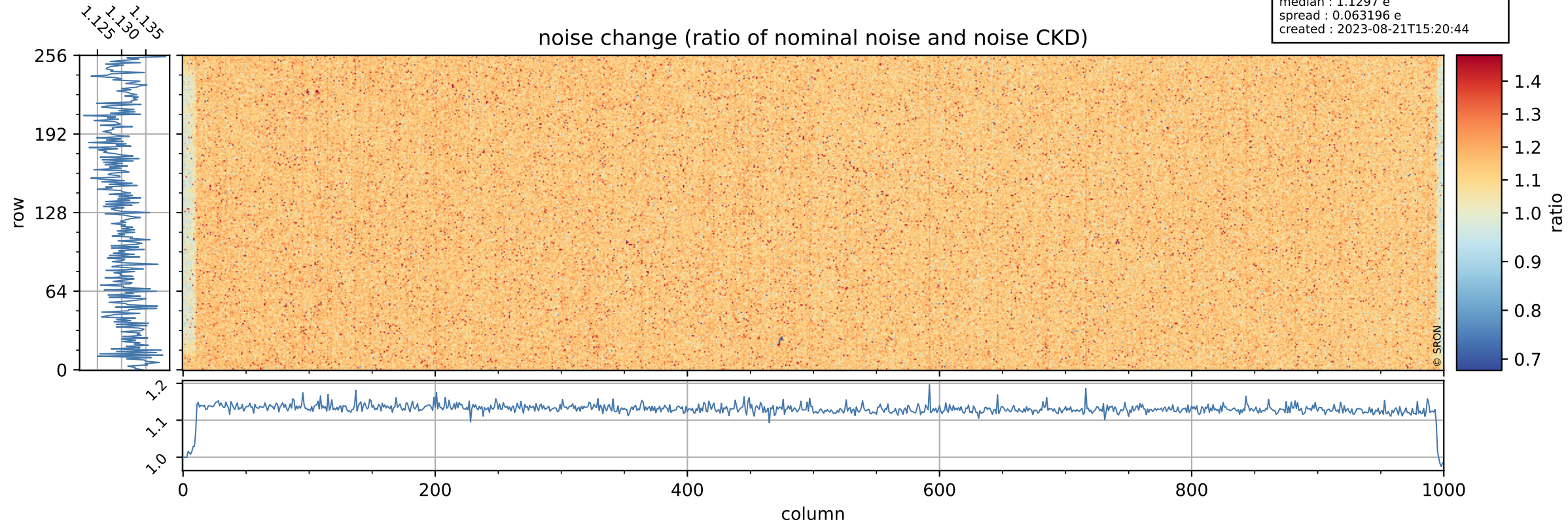
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
median : 1.0033 e  
spread : 0.010663 e  
created : 2023-08-21T15:20:44



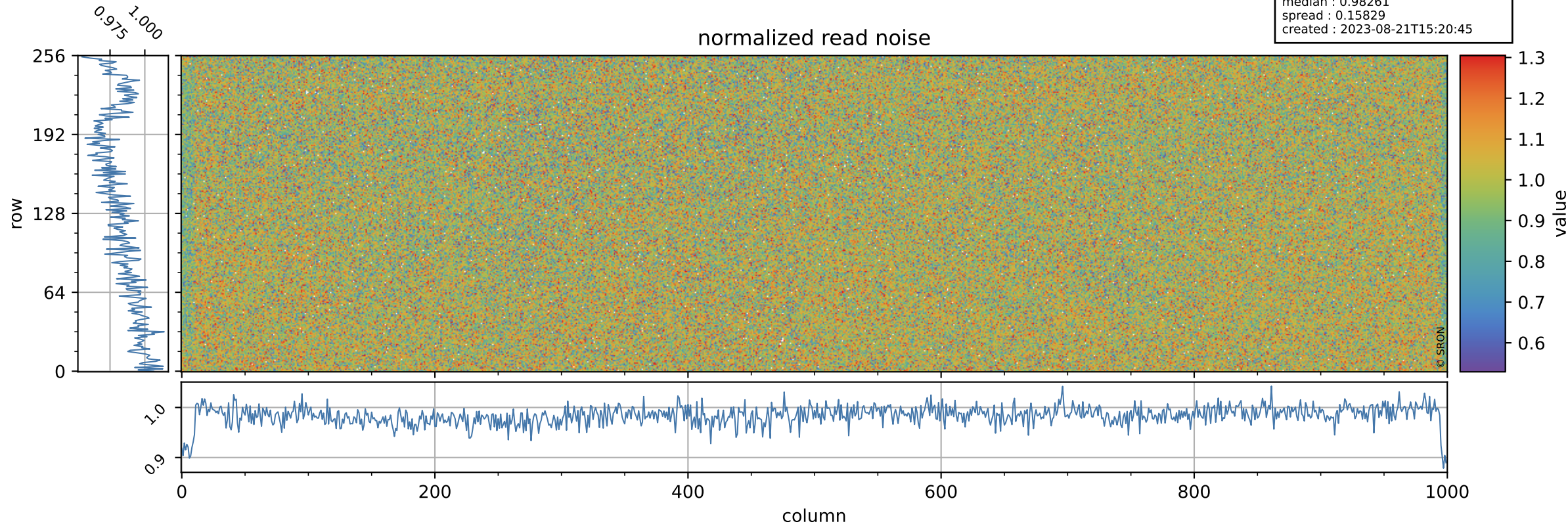
# Tropomi SWIR background noise (swir)

orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
median : 1.1297 e  
spread : 0.063196 e  
created : 2023-08-21T15:20:44



# Tropomi SWIR background noise (swir)

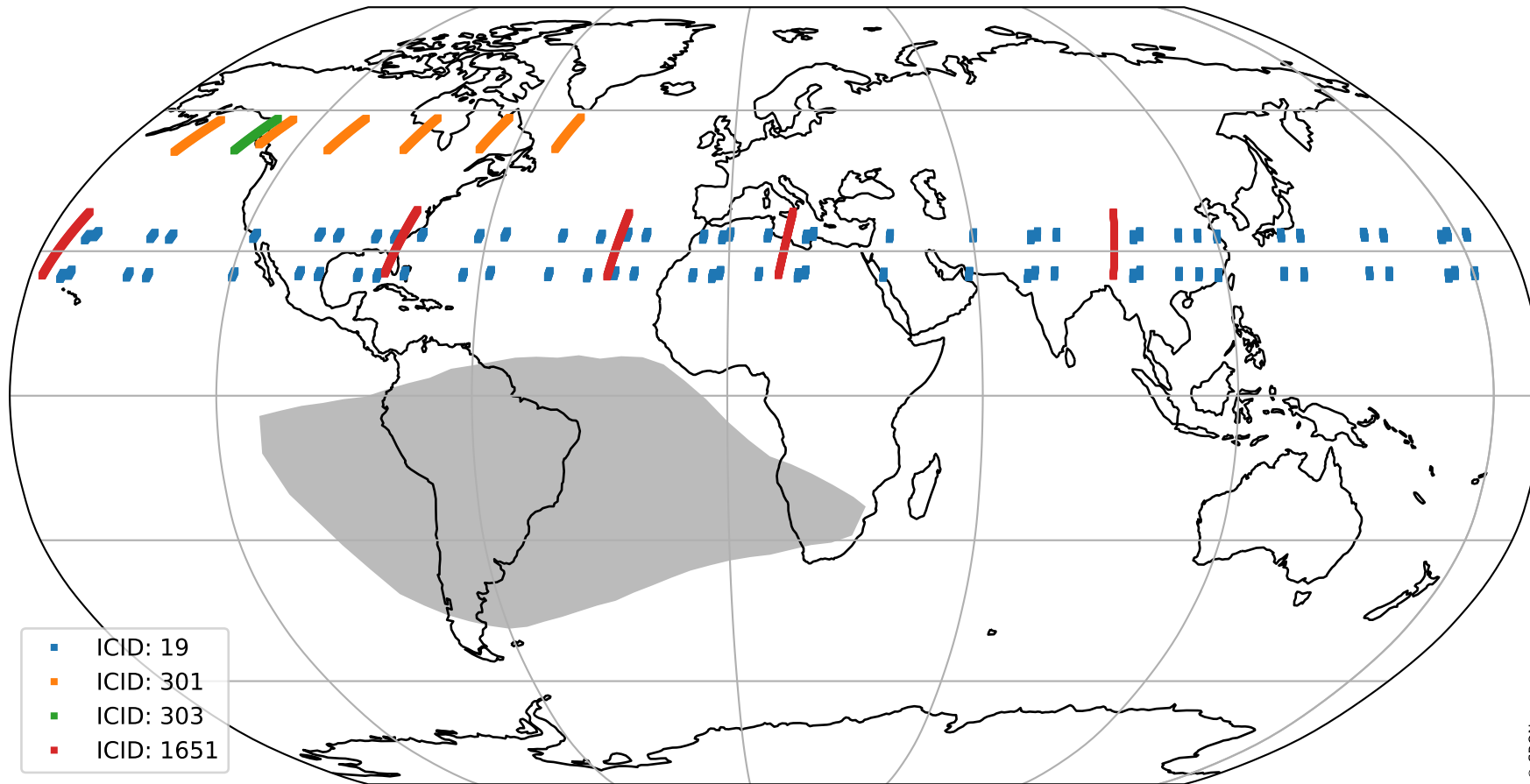
orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
median : 0.98261  
spread : 0.15829  
created : 2023-08-21T15:20:45





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

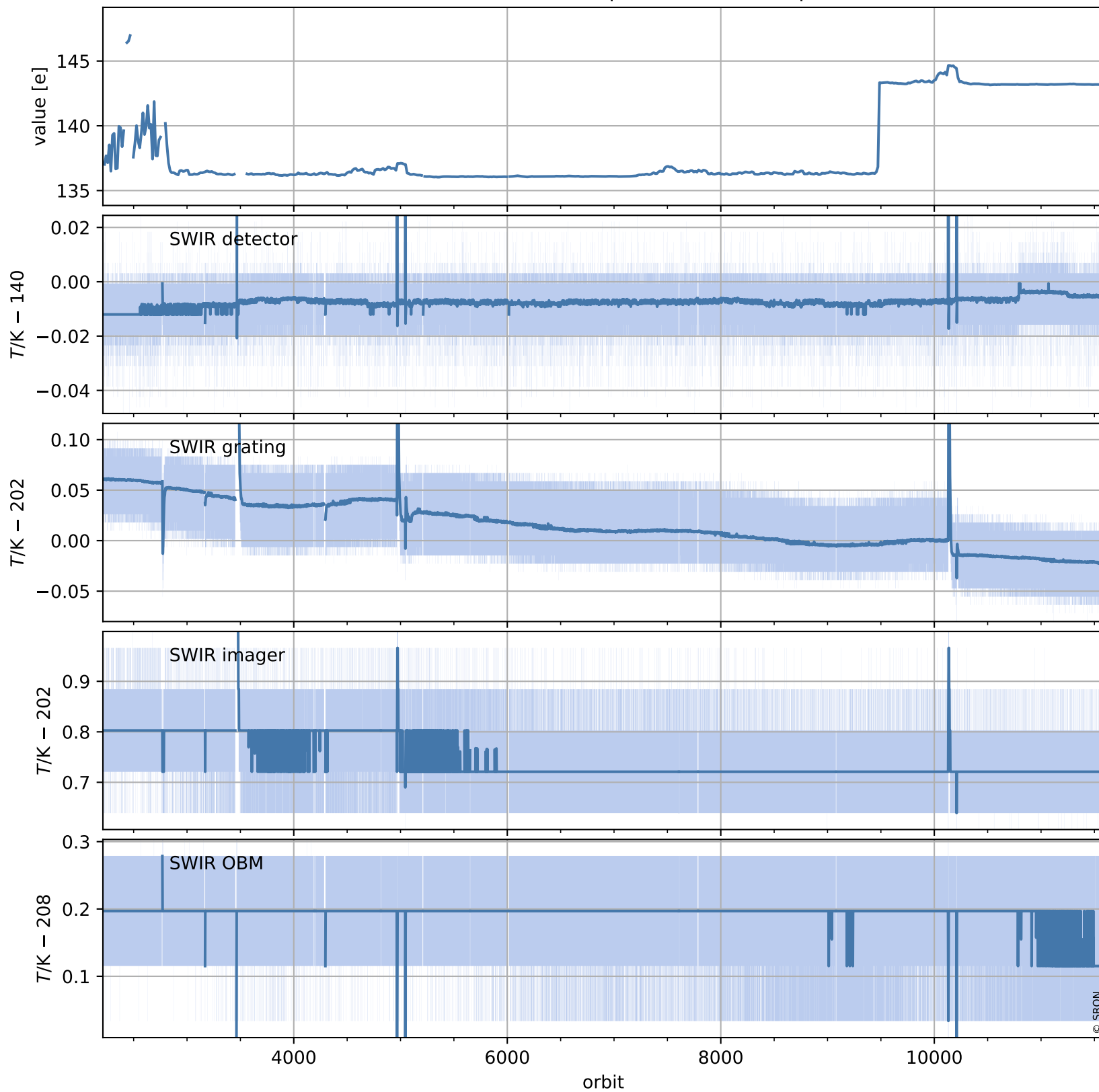
orbits : 12 in [11497, 11587]  
coverage : 2020-01-02 / 2020-01-08  
created : 2023-08-21T15:20:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 11587]  
coverage : 2018-03-18 / 2020-01-08  
created : 2023-08-21T15:20:46

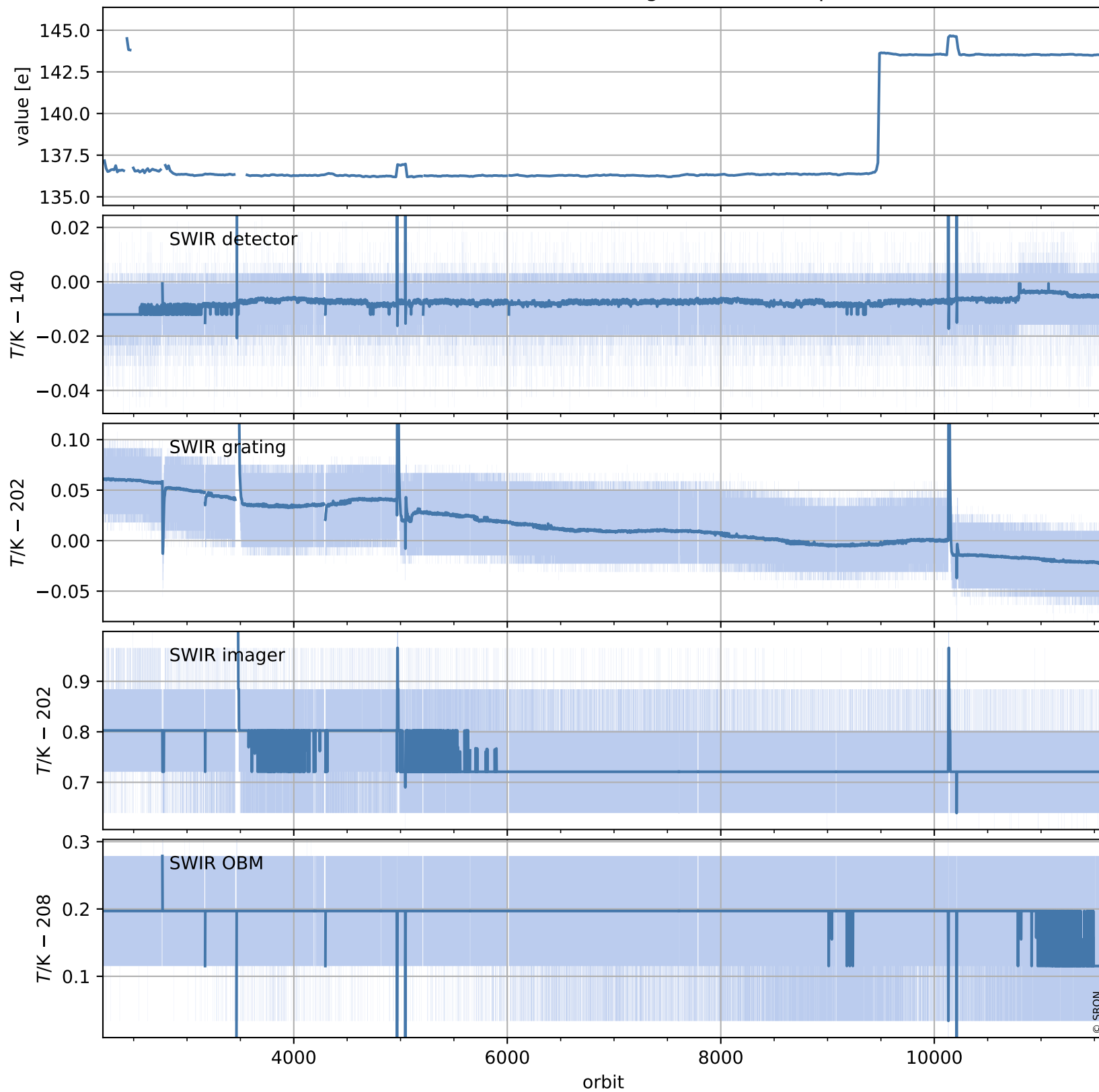
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11587]  
coverage : 2018-03-18 / 2020-01-08  
created : 2023-08-21T15:20:46

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11587]  
coverage : 2018-03-18 / 2020-01-08  
created : 2023-08-21T15:20:47

## trend of normalized read-noise & temperatures

