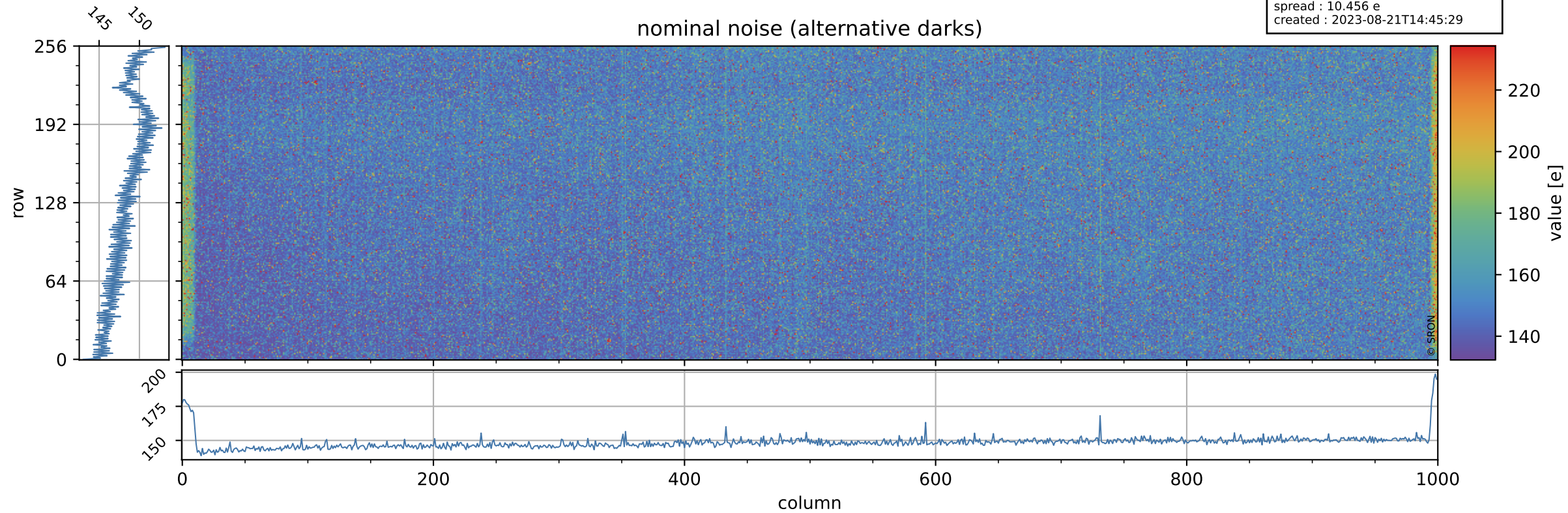


# Tropomi SWIR background noise (swir)

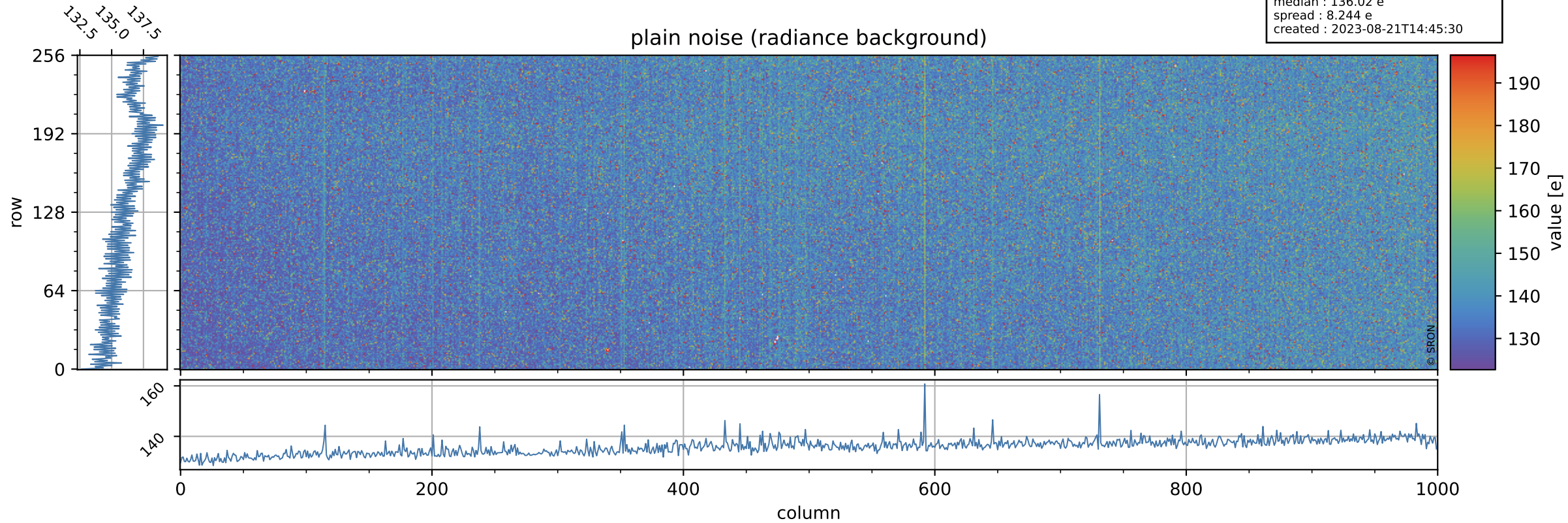
orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.31 e  
spread : 10.456 e  
created : 2023-08-21T14:45:29



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.244 e  
created : 2023-08-21T14:45:30

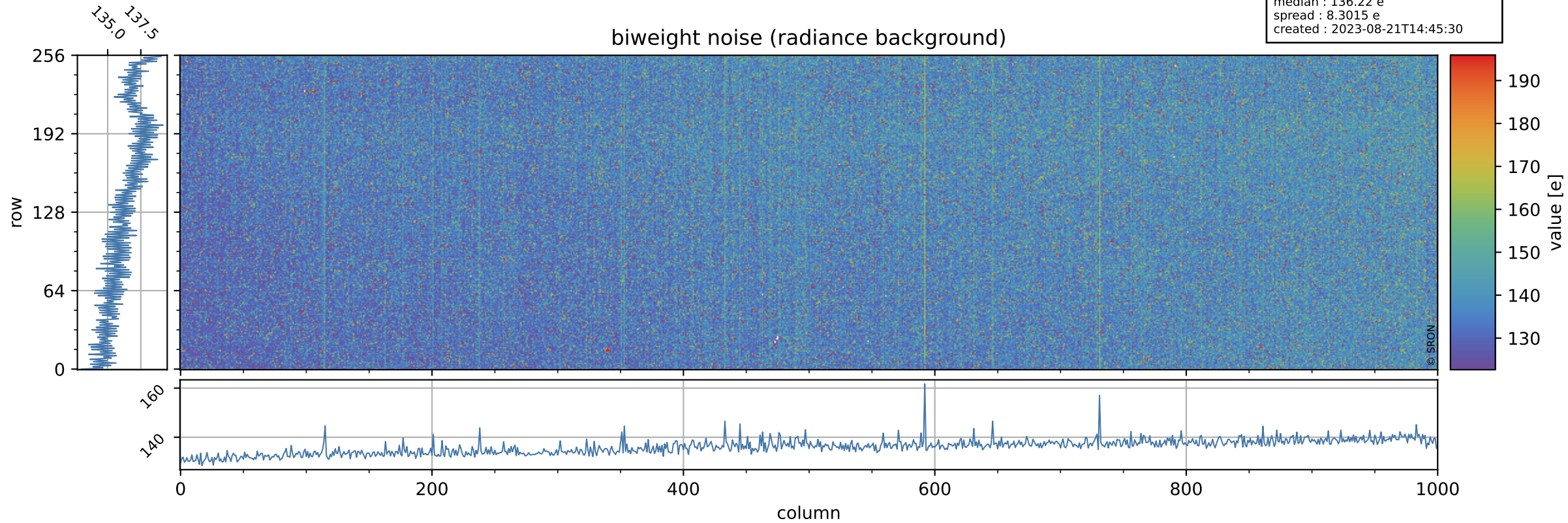
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
n\_coad, t\_exp : 2, 0.5383  
median : 136.22 e  
spread : 8.3015 e  
created : 2023-08-21T14:45:30

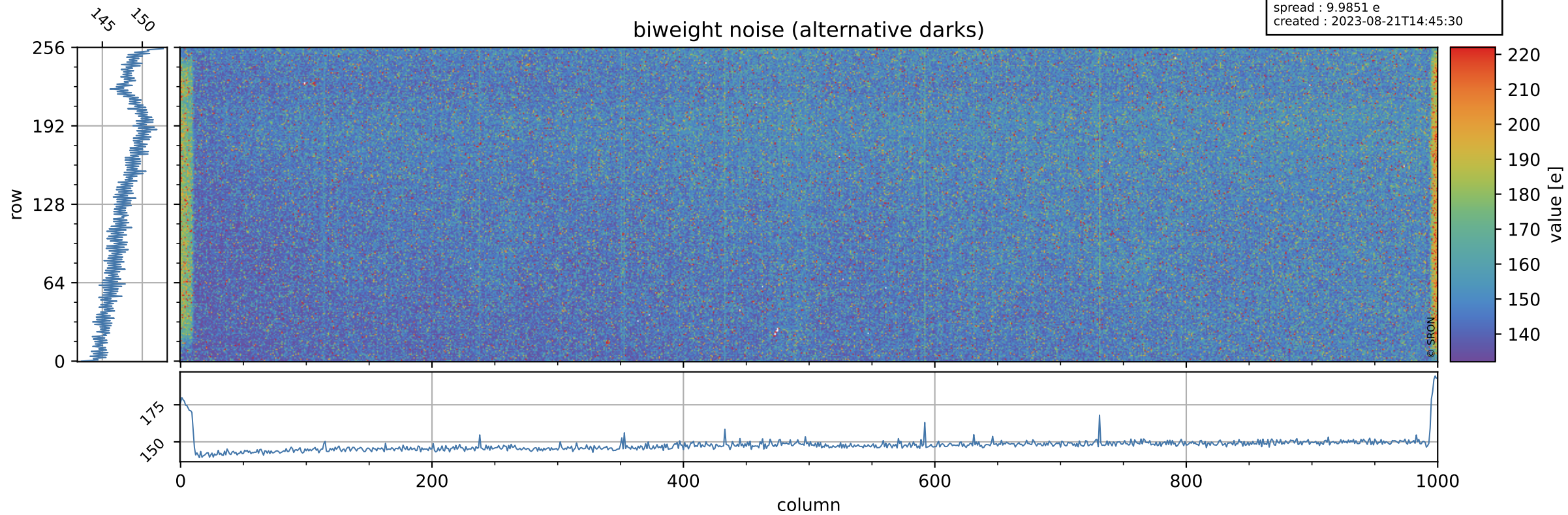
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.9851 e  
created : 2023-08-21T14:45:30

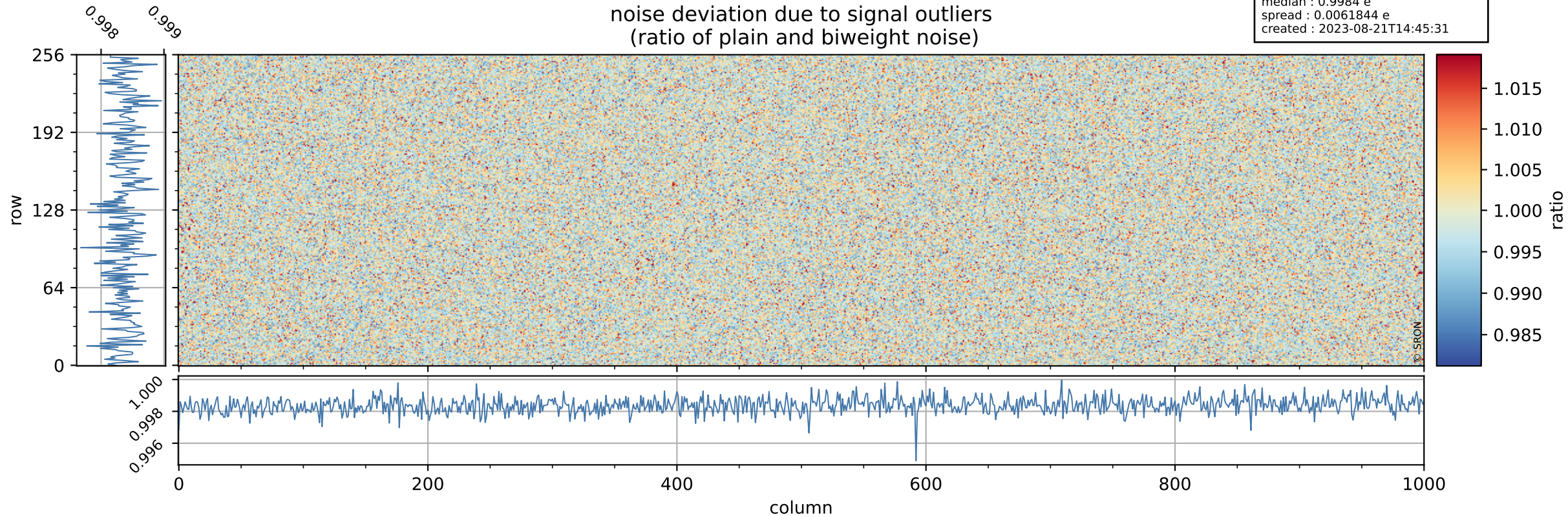
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

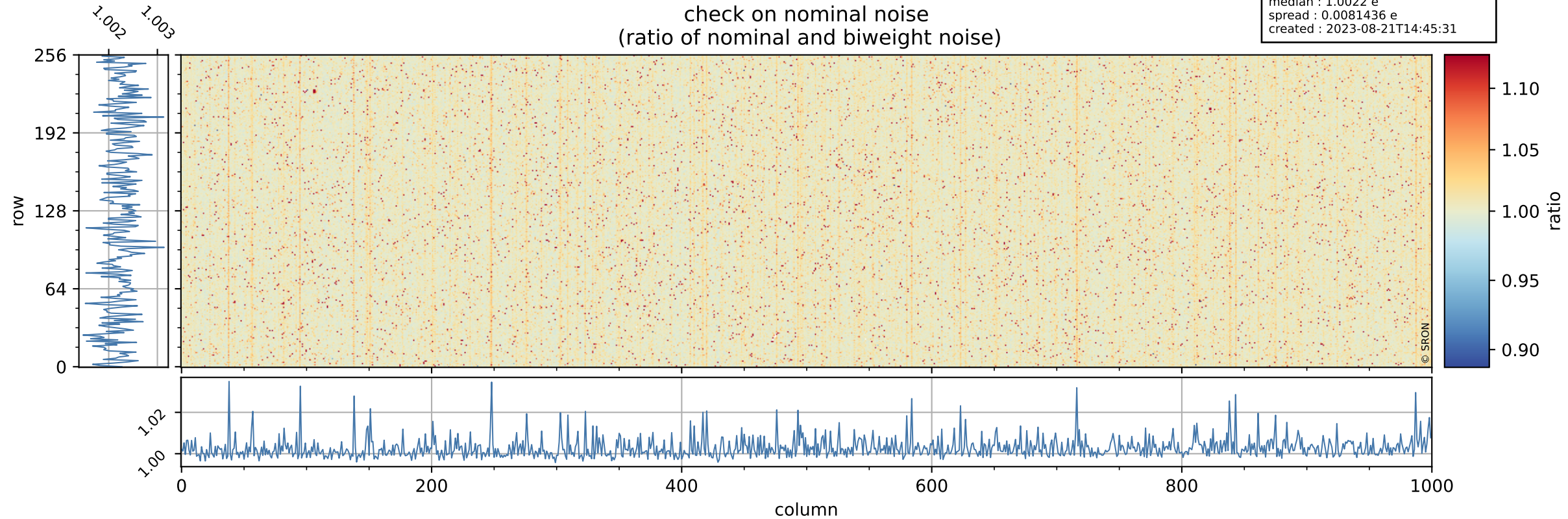
orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
median : 0.9984 e  
spread : 0.0061844 e  
created : 2023-08-21T14:45:31



# Tropomi SWIR background noise (swir)

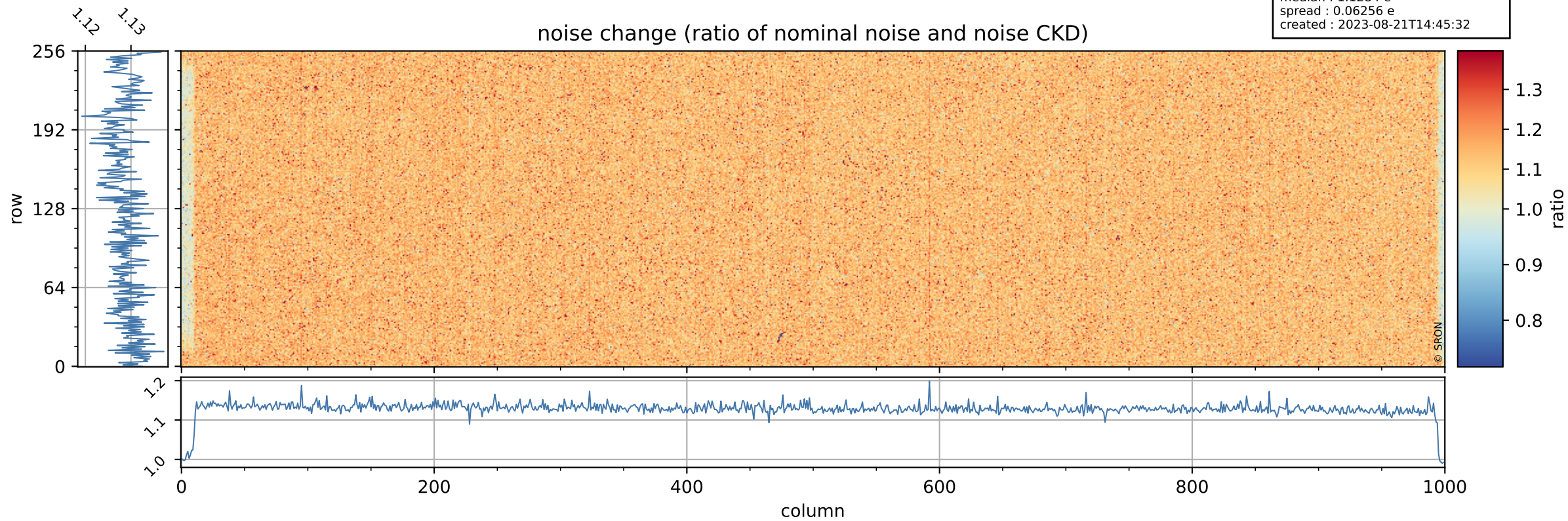
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
median : 1.0022 e  
spread : 0.0081436 e  
created : 2023-08-21T14:45:31



# Tropomi SWIR background noise (swir)

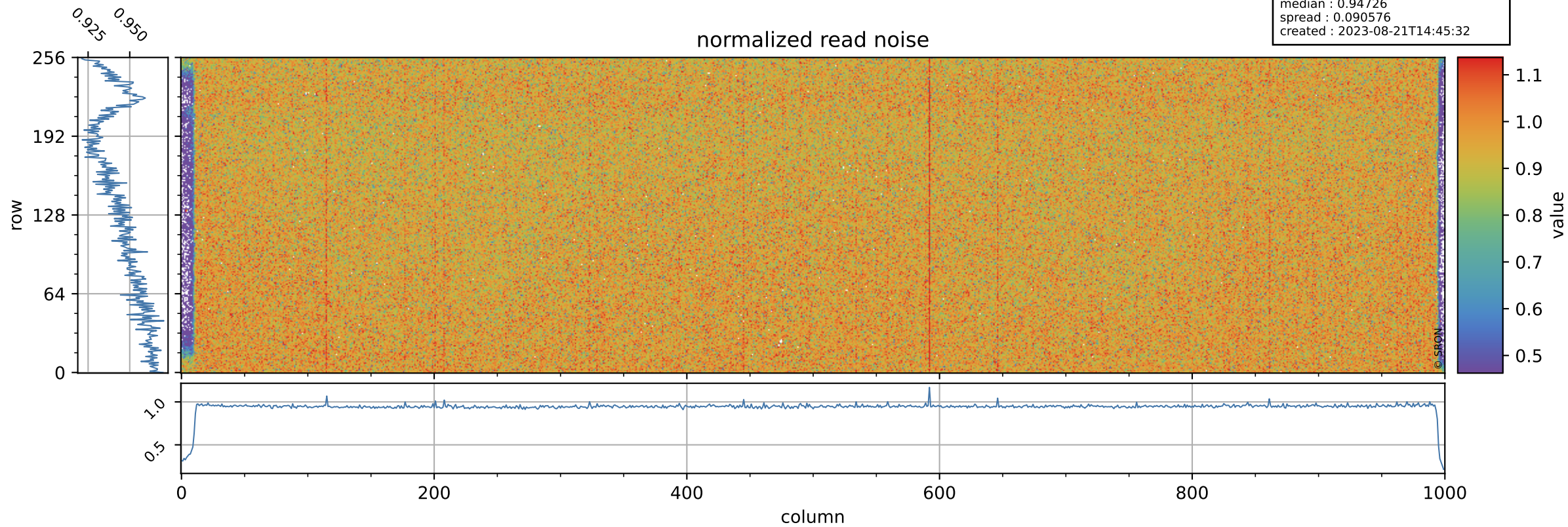
orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
median : 1.1284 e  
spread : 0.06256 e  
created : 2023-08-21T14:45:32



# Tropomi SWIR background noise (swir)

orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
median : 0.94726  
spread : 0.090576  
created : 2023-08-21T14:45:32

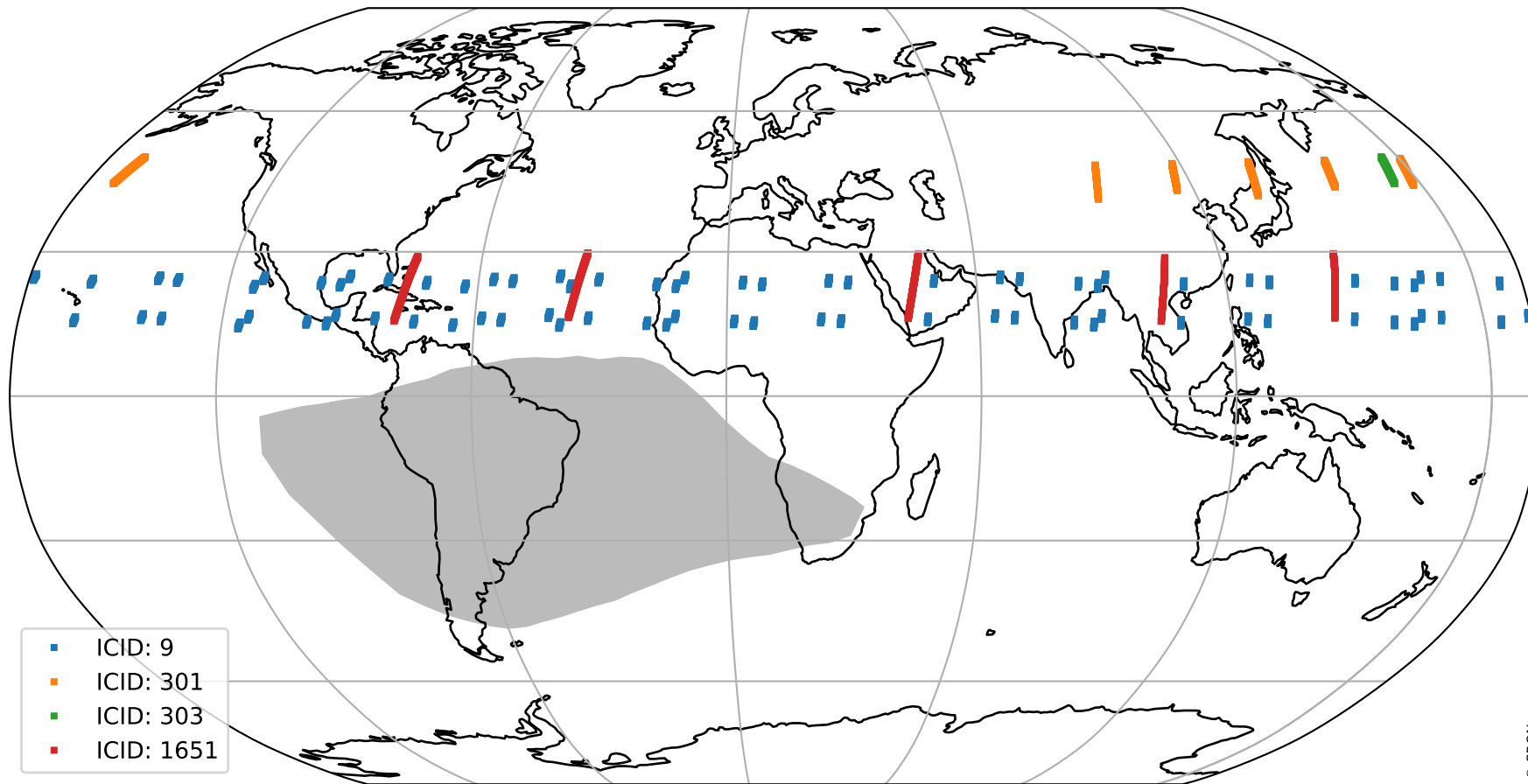
normalized read noise





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

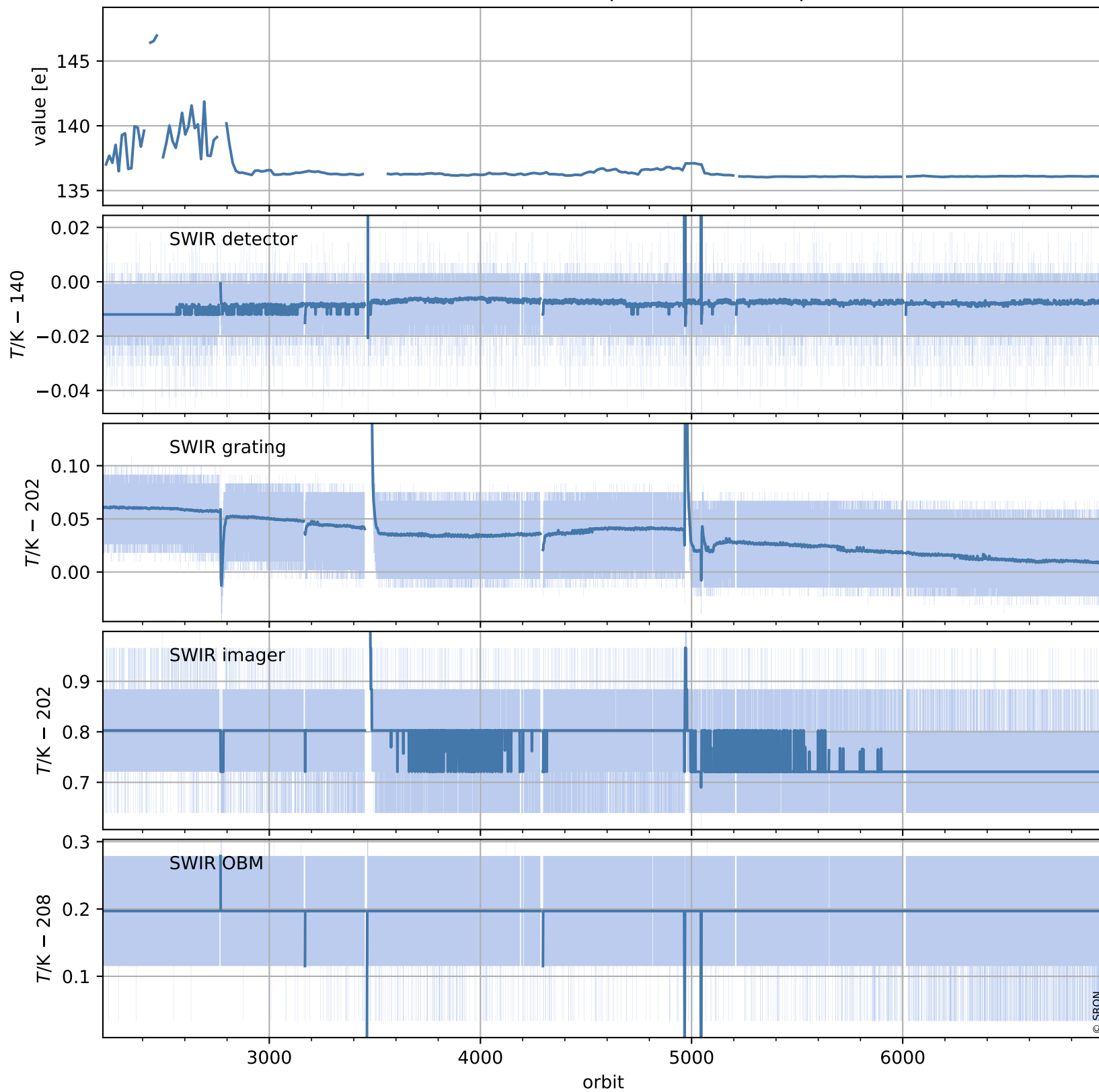
orbits : 12 in [6877, 6952]  
coverage : 2019-02-09 / 2019-02-14  
created : 2023-08-21T14:45:33



# Tropomi SWIR background noise (swir)

orbits : [2212, 6952]  
coverage : 2018-03-18 / 2019-02-14  
created : 2023-08-21T14:45:33

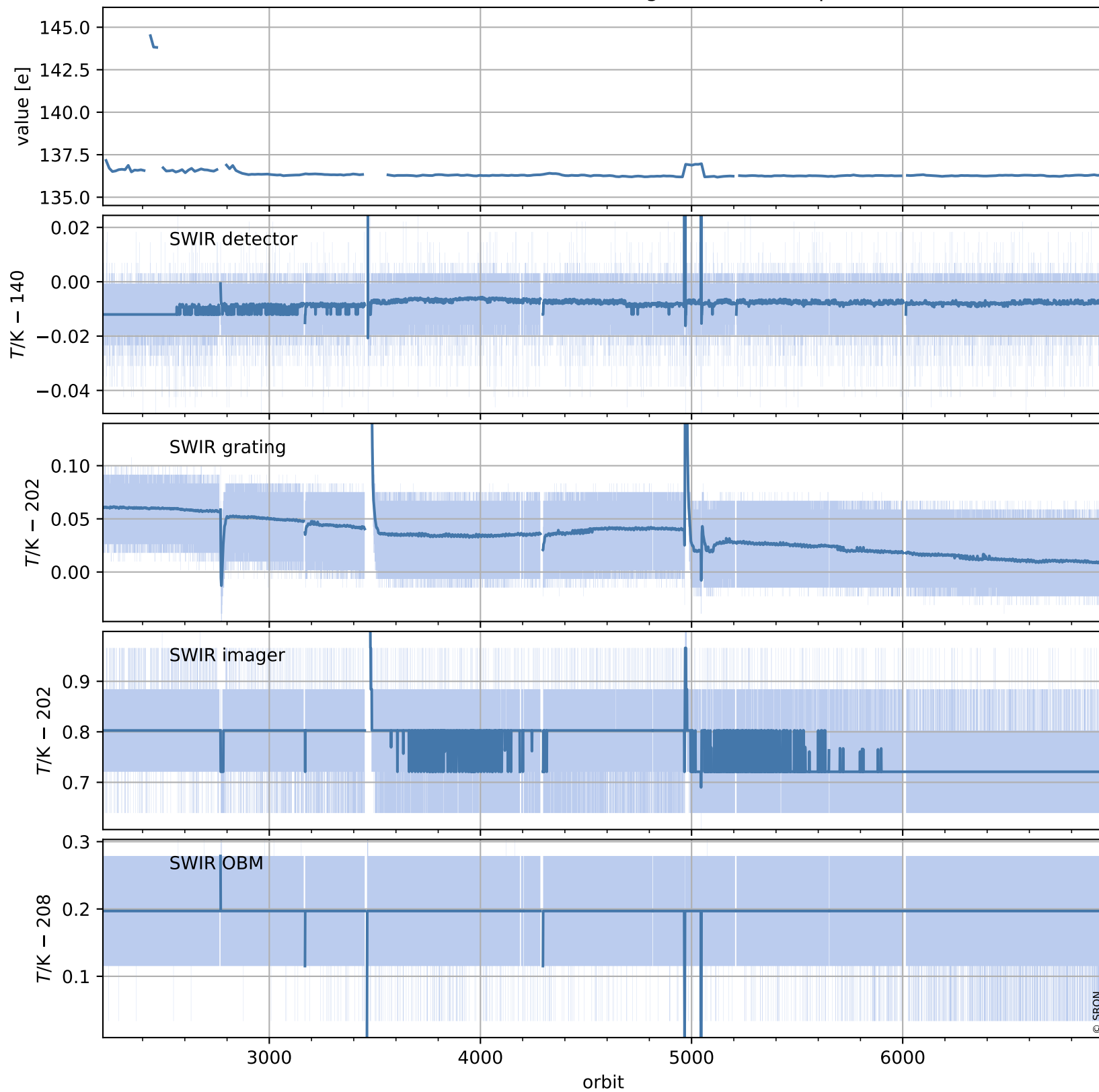
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6952]  
coverage : 2018-03-18 / 2019-02-14  
created : 2023-08-21T14:45:34

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6952]  
coverage : 2018-03-18 / 2019-02-14  
created : 2023-08-21T14:45:34

## trend of normalized read-noise & temperatures

