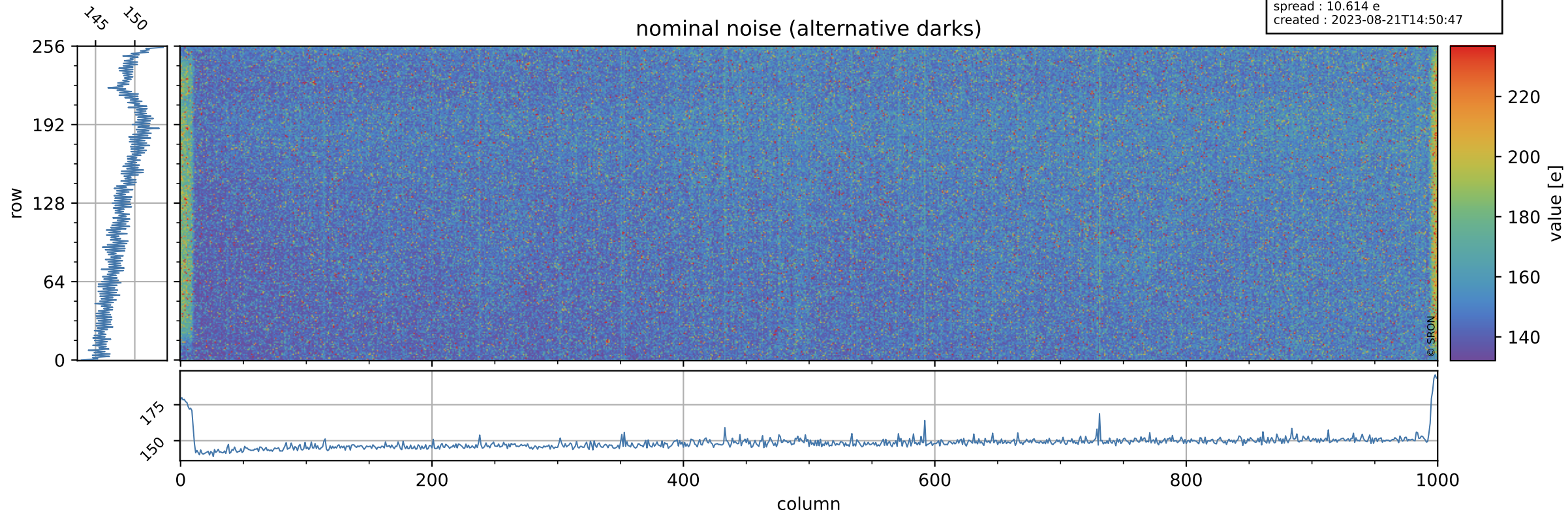


# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.38 e  
spread : 10.614 e  
created : 2023-08-21T14:50:47

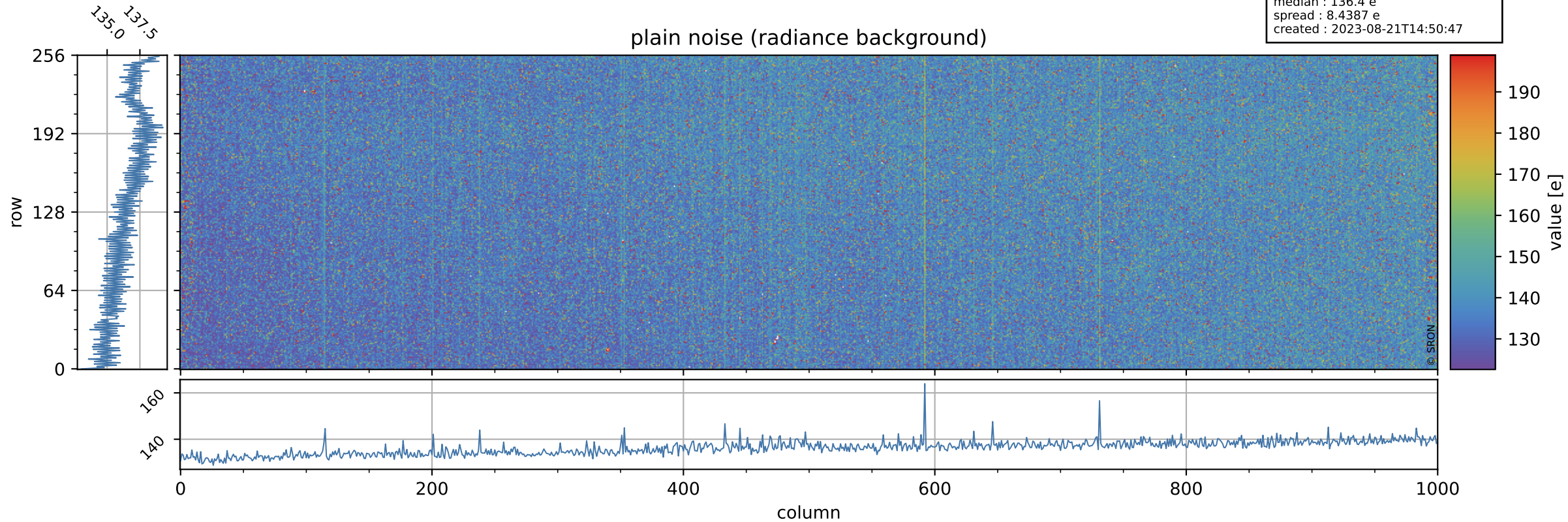
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
n\_coad, t\_exp : 2, 0.5383  
median : 136.4 e  
spread : 8.4387 e  
created : 2023-08-21T14:50:47

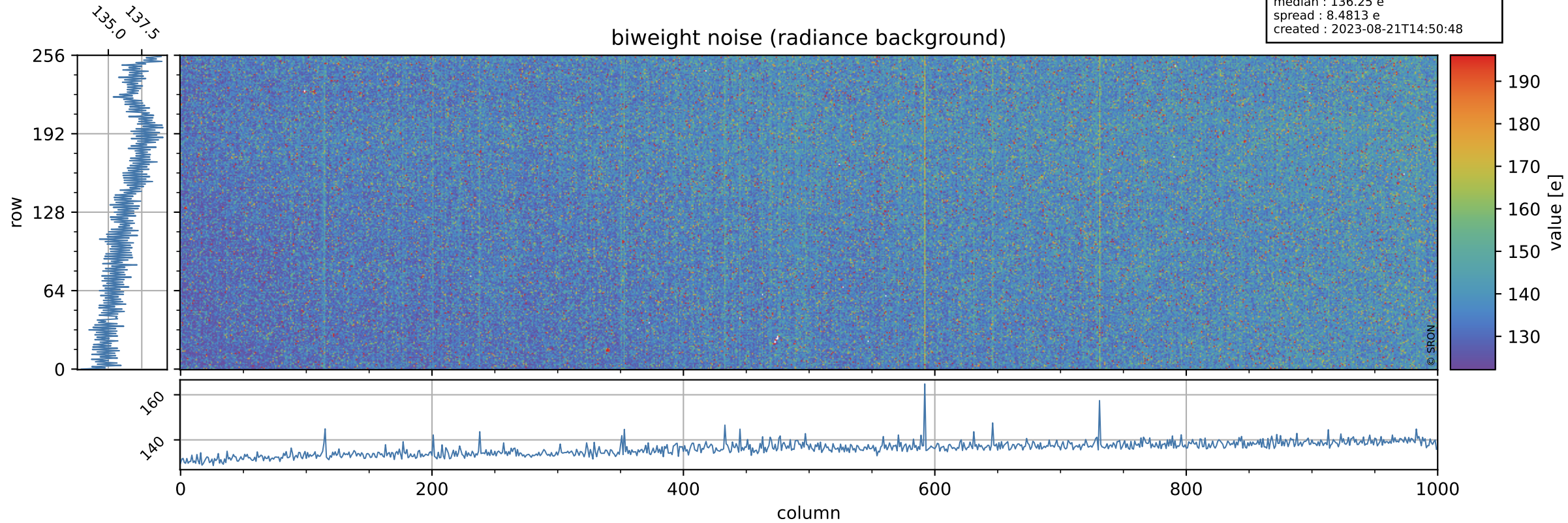
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.4813 e  
created : 2023-08-21T14:50:48

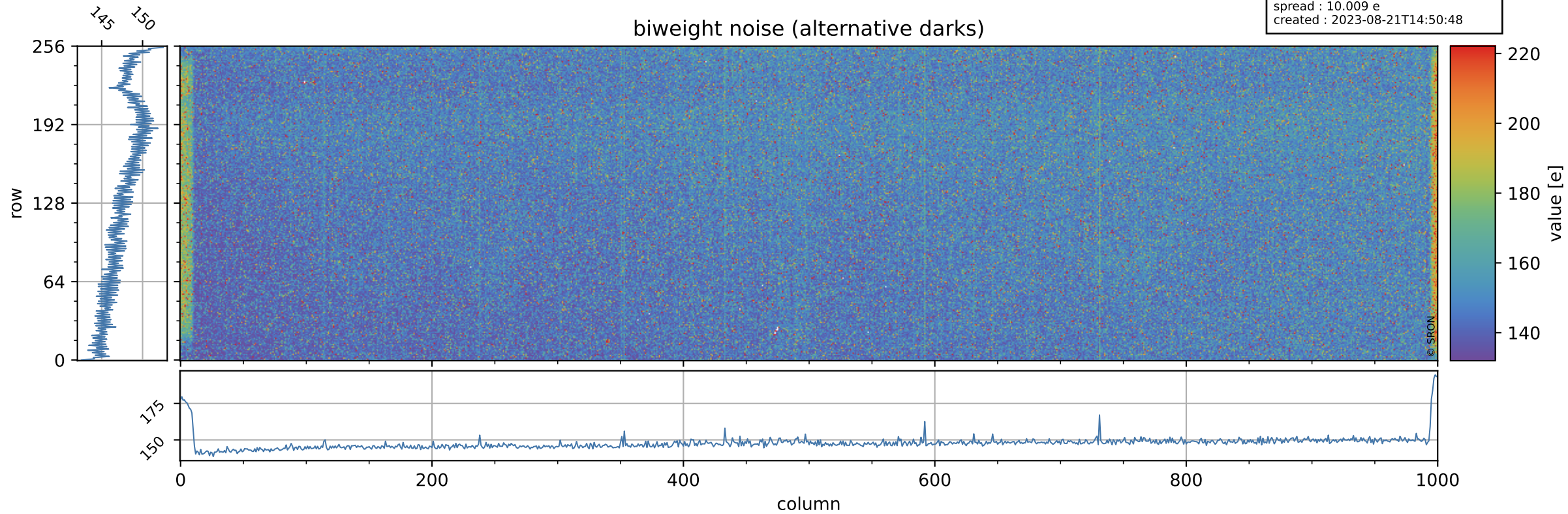
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.51 e  
spread : 10.009 e  
created : 2023-08-21T14:50:48

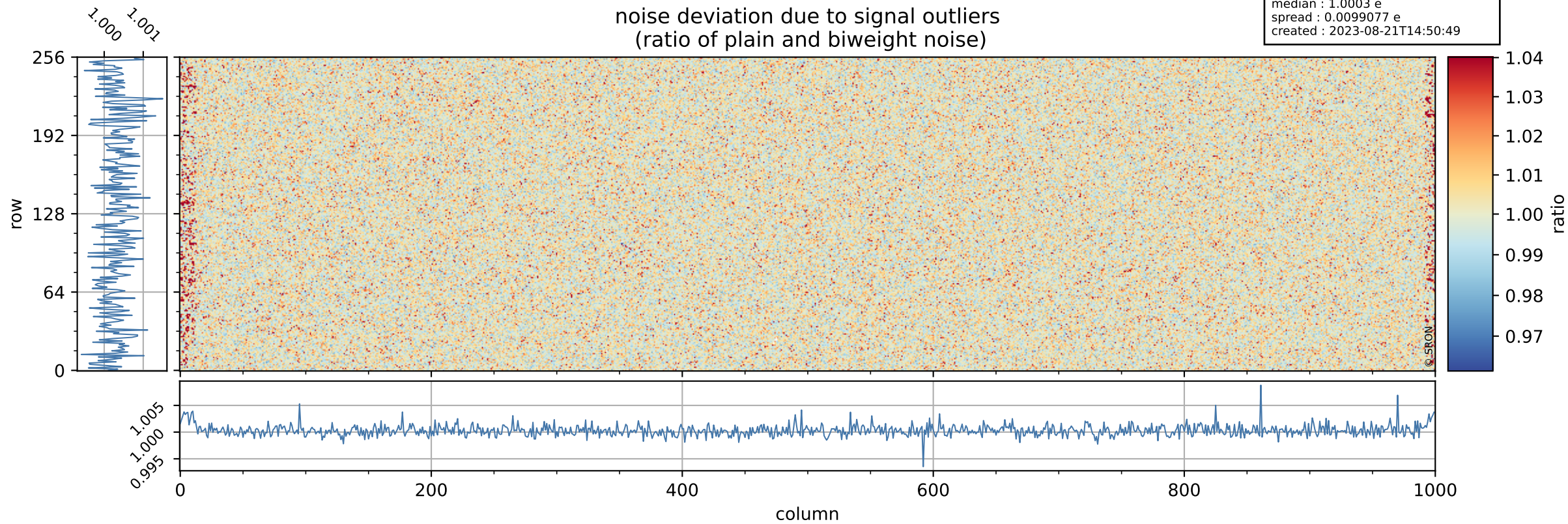
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

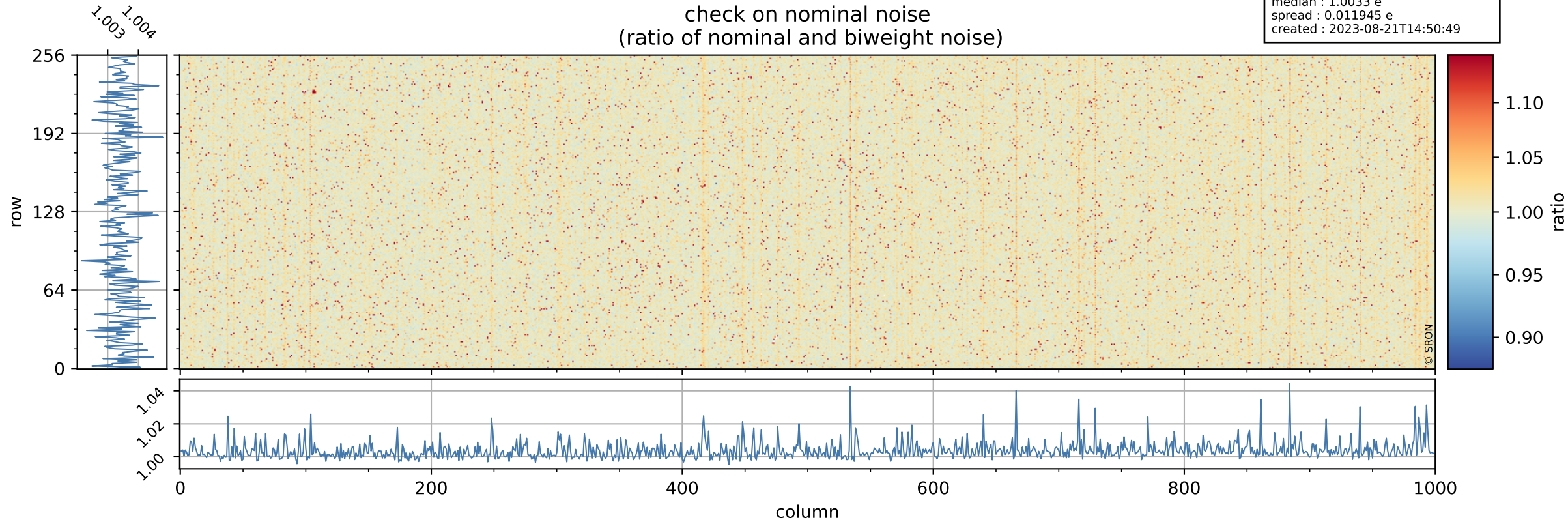
orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
median : 1.0003 e  
spread : 0.0099077 e  
created : 2023-08-21T14:50:49



# Tropomi SWIR background noise (swir)

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

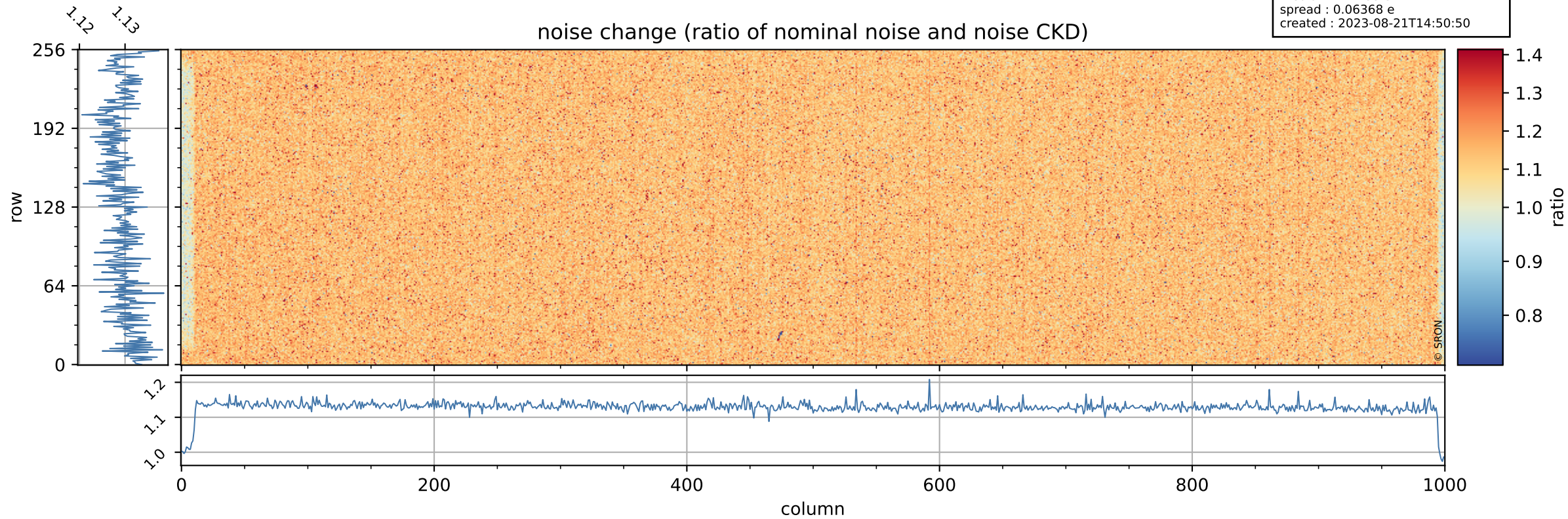
orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
median : 1.0033 e  
spread : 0.011945 e  
created : 2023-08-21T14:50:49



# Tropomi SWIR background noise (swir)

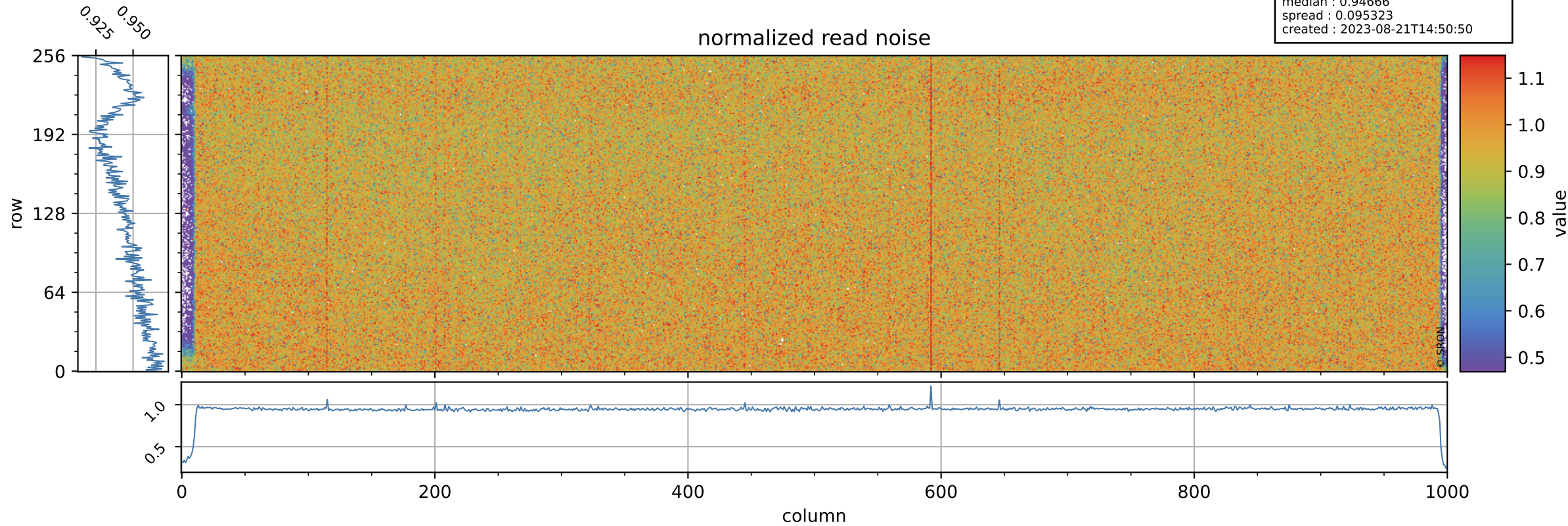
orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
median : 1.1288 e  
spread : 0.06368 e  
created : 2023-08-21T14:50:50

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

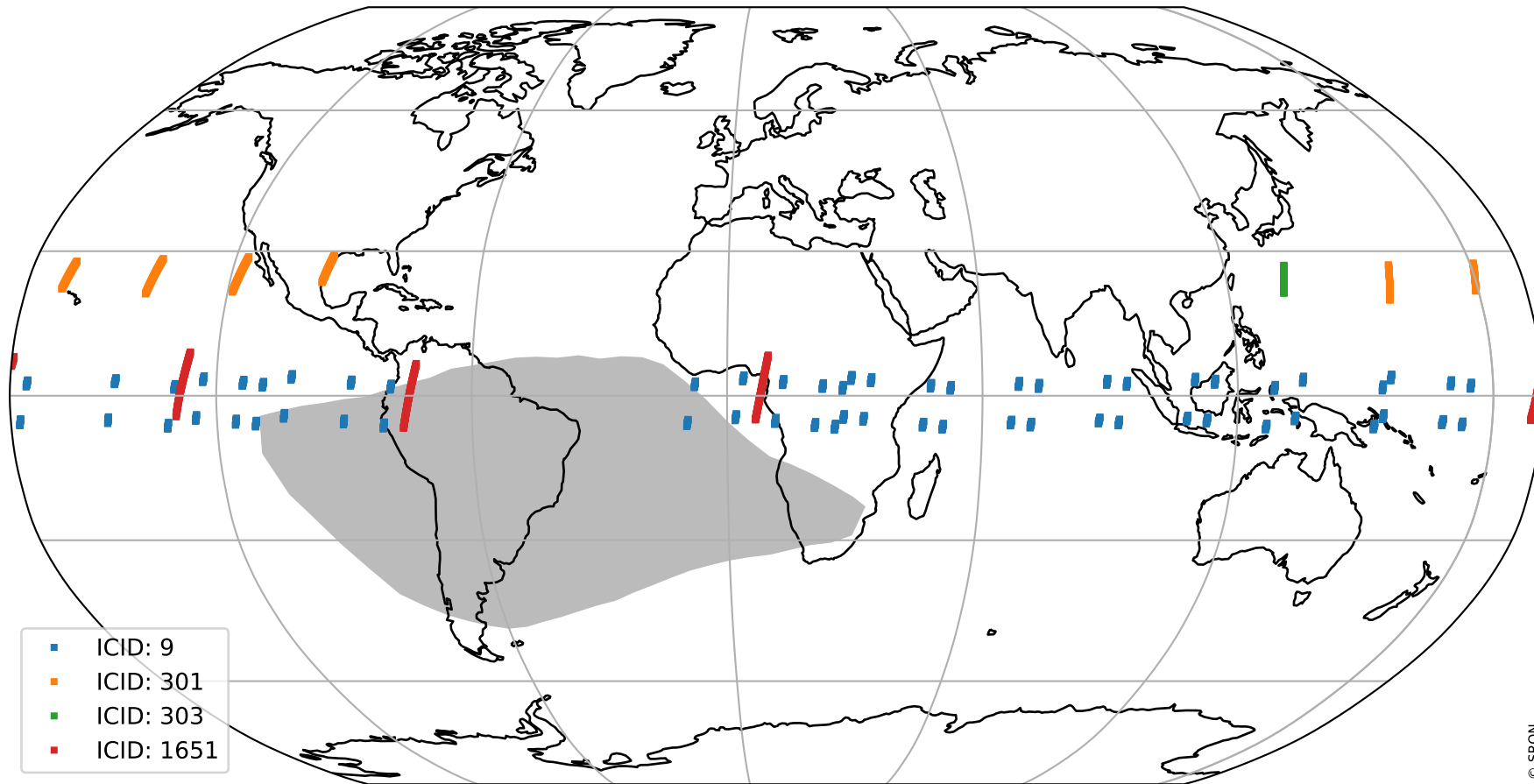
orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
median : 0.94666  
spread : 0.095323  
created : 2023-08-21T14:50:50





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

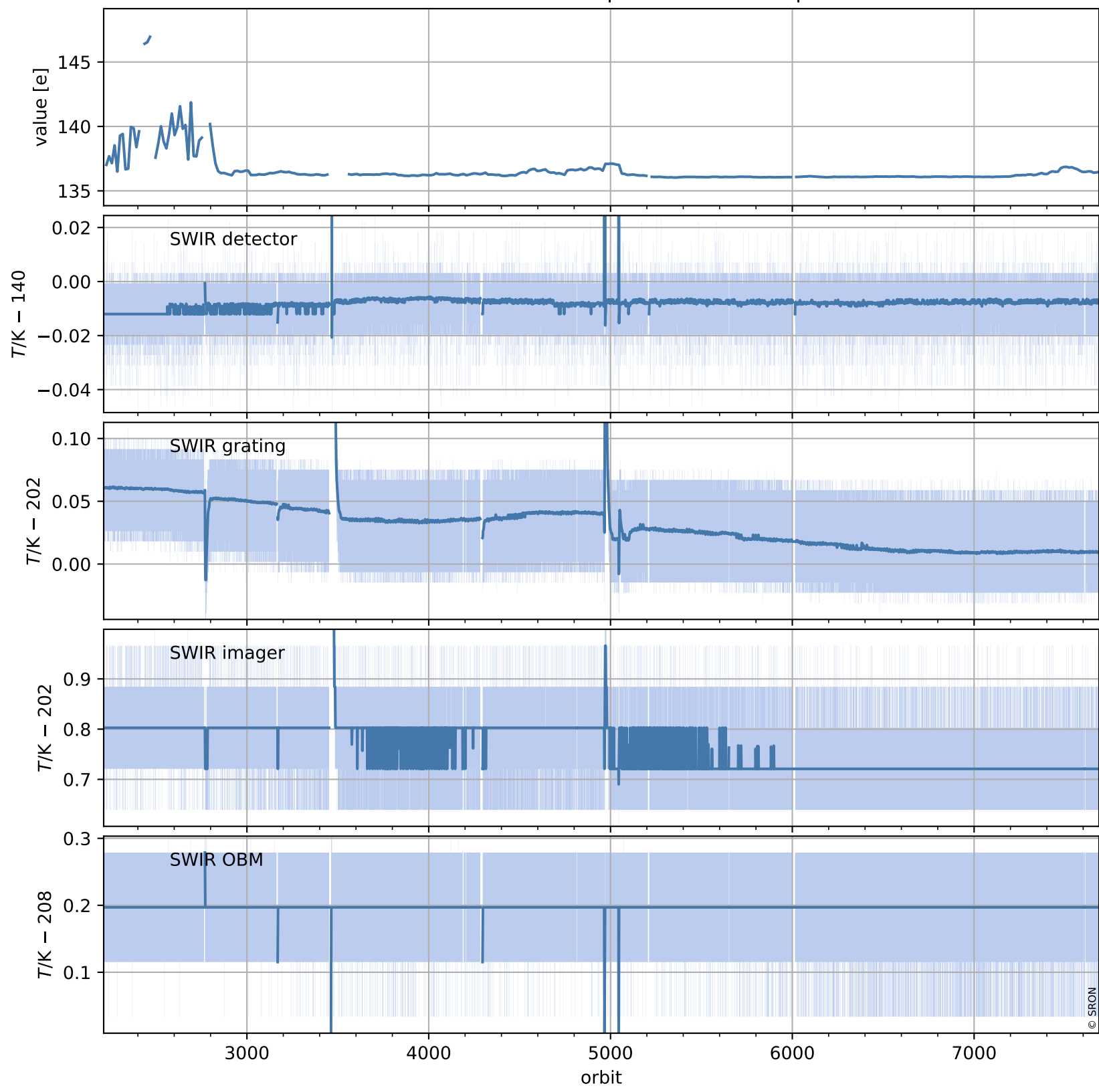
orbits : 11 in [7597, 7687]  
coverage : 2019-04-02 / 2019-04-08  
created : 2023-08-21T14:50:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 7687]  
coverage : 2018-03-18 / 2019-04-08  
created : 2023-08-21T14:50:51

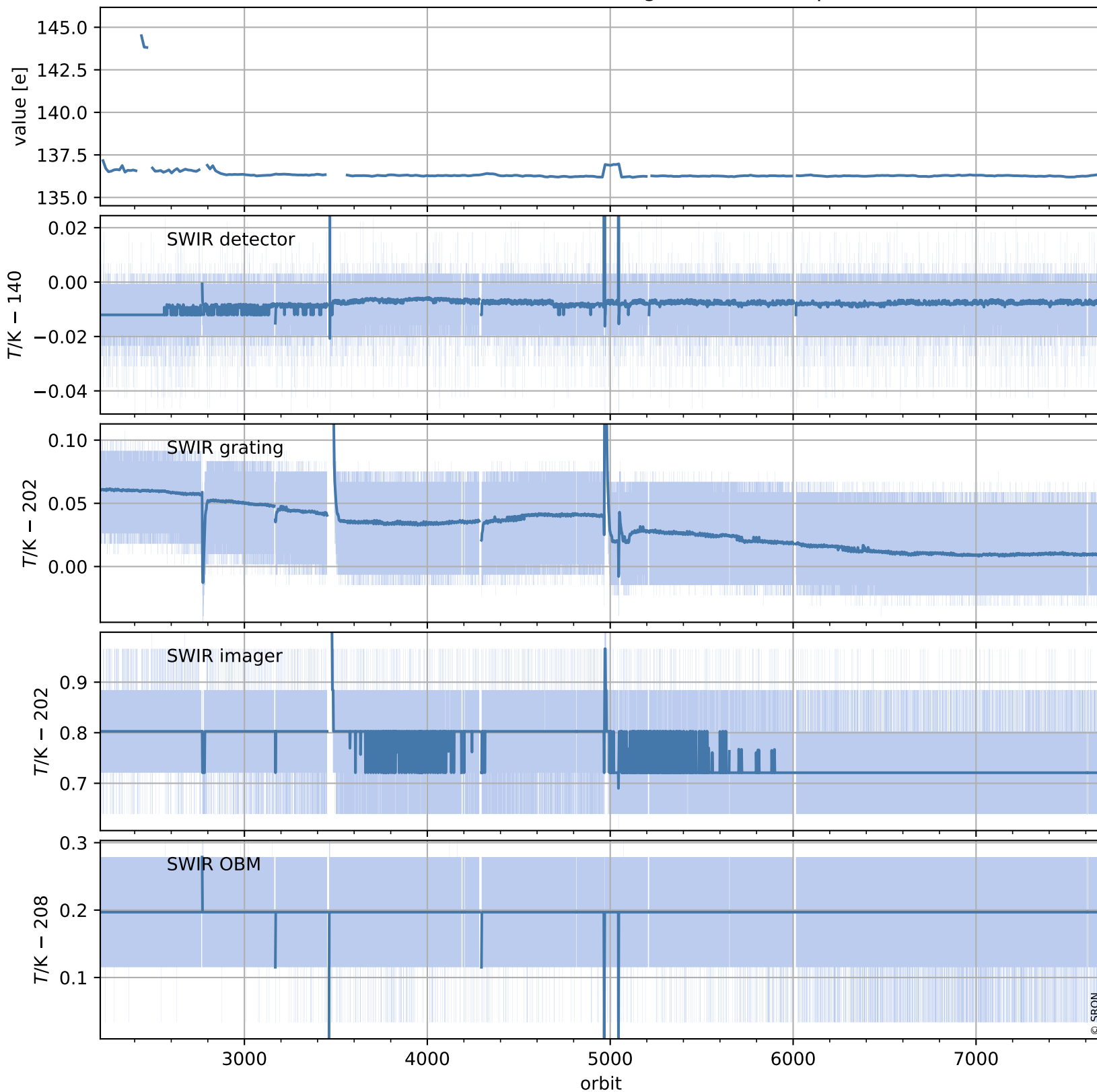
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7687]  
coverage : 2018-03-18 / 2019-04-08  
created : 2023-08-21T14:50:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7687]  
coverage : 2018-03-18 / 2019-04-08  
created : 2023-08-21T14:50:52

## trend of normalized read-noise & temperatures

