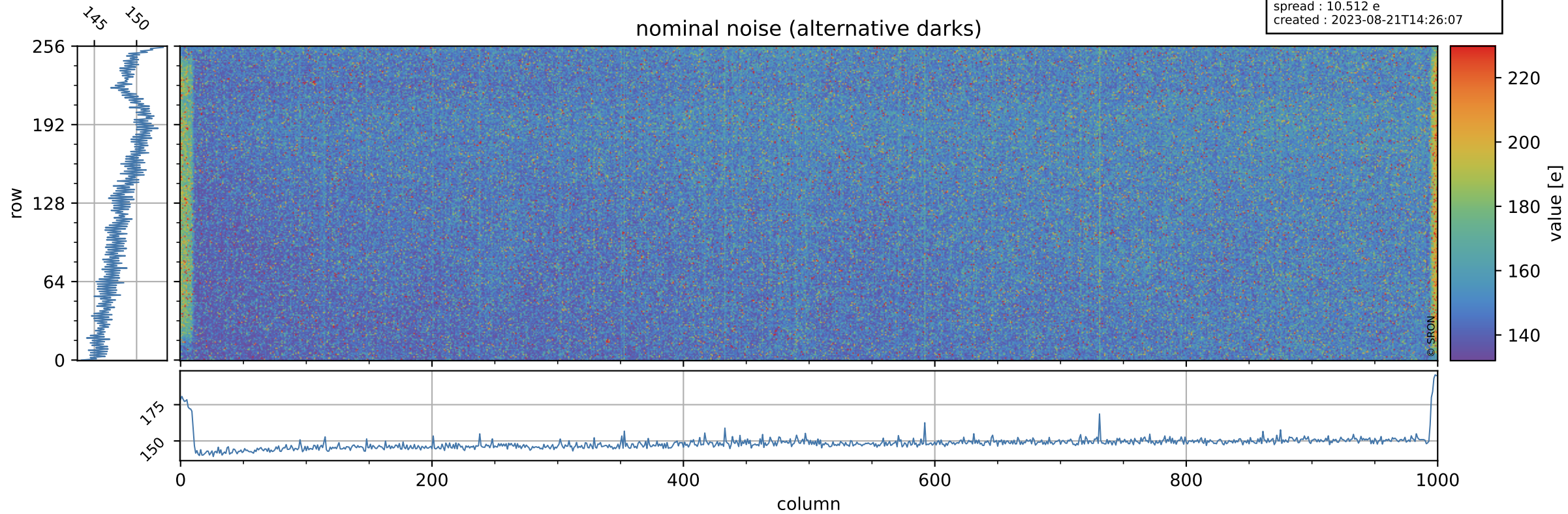


# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
n\_coad, t\_exp : 1, 1.0783  
median : 148.28 e  
spread : 10.512 e  
created : 2023-08-21T14:26:07

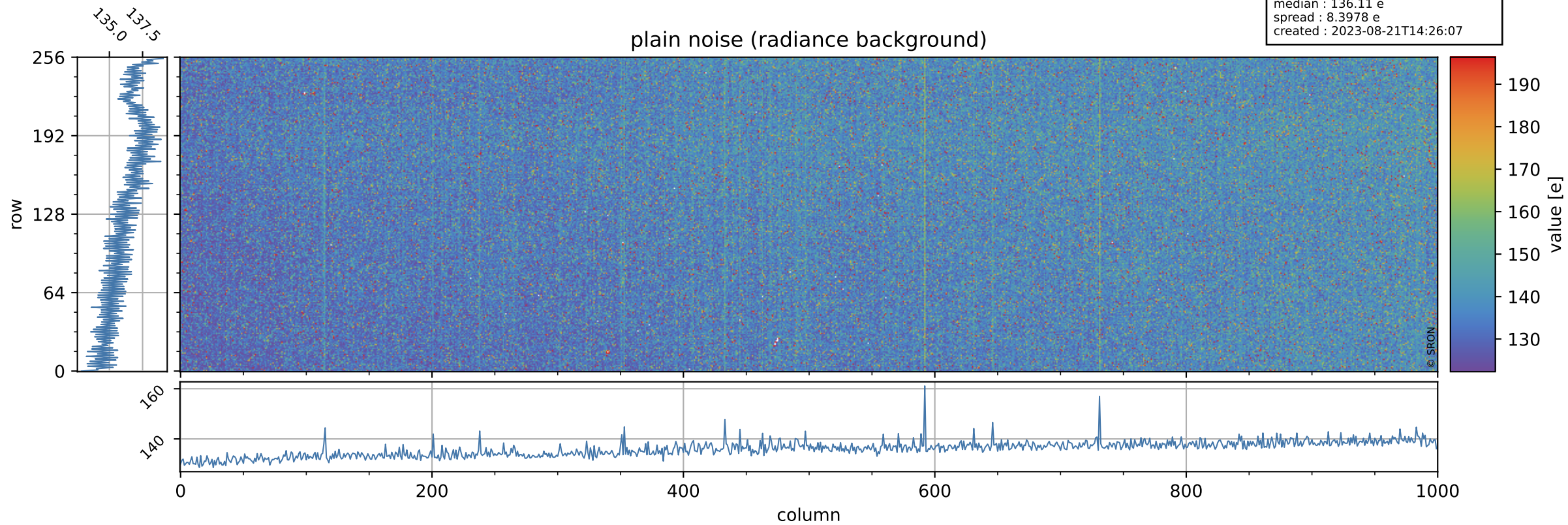
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
n\_coad, t\_exp : 2, 0.5383  
median : 136.11 e  
spread : 8.3978 e  
created : 2023-08-21T14:26:07

plain noise (radiance background)

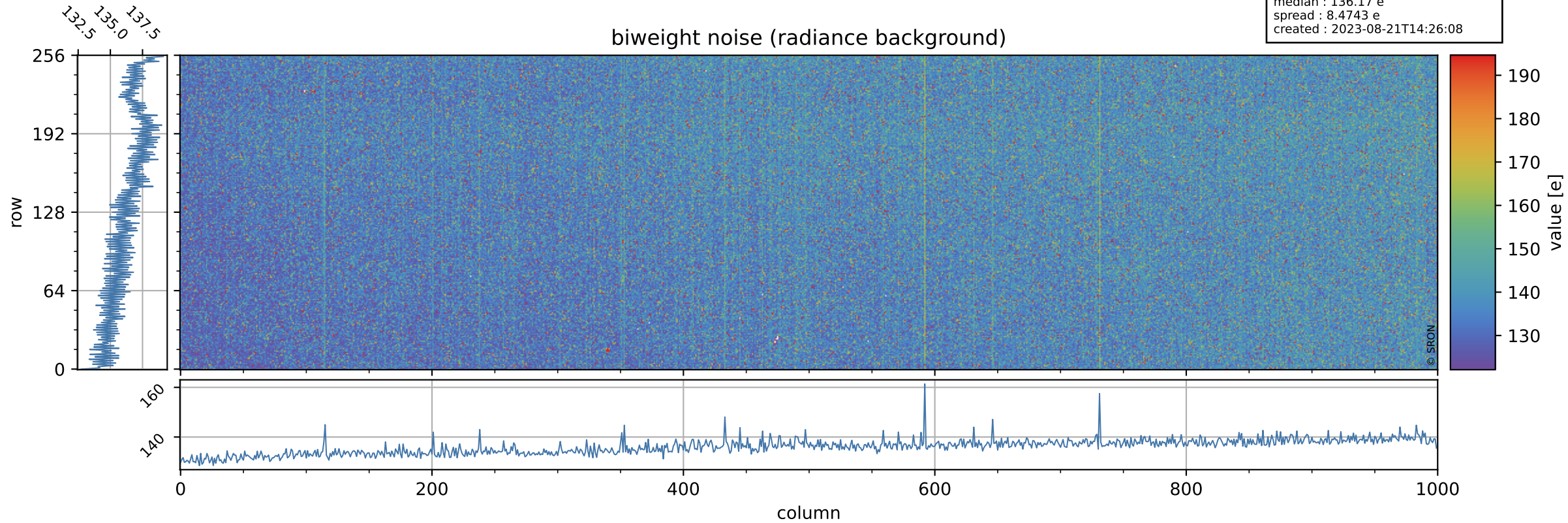




# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.4743 e  
created : 2023-08-21T14:26:08

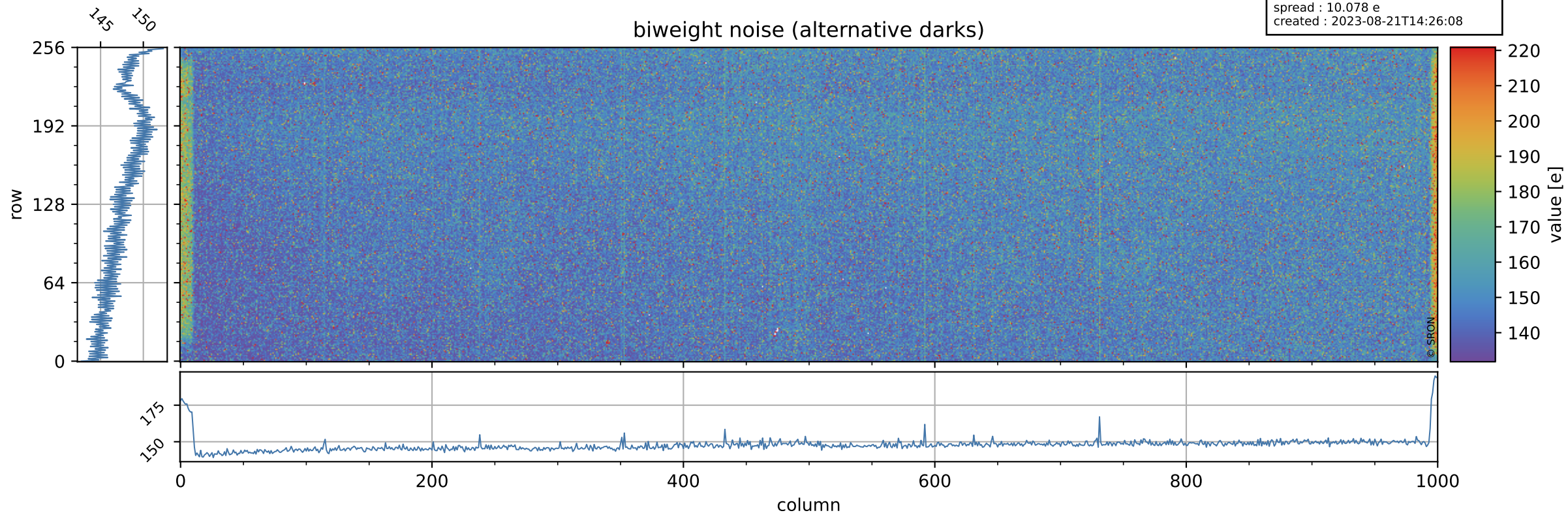
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
n\_coad, t\_exp : 1, 1.0783  
median : 147.49 e  
spread : 10.078 e  
created : 2023-08-21T14:26:08

## biweight noise (alternative darks)

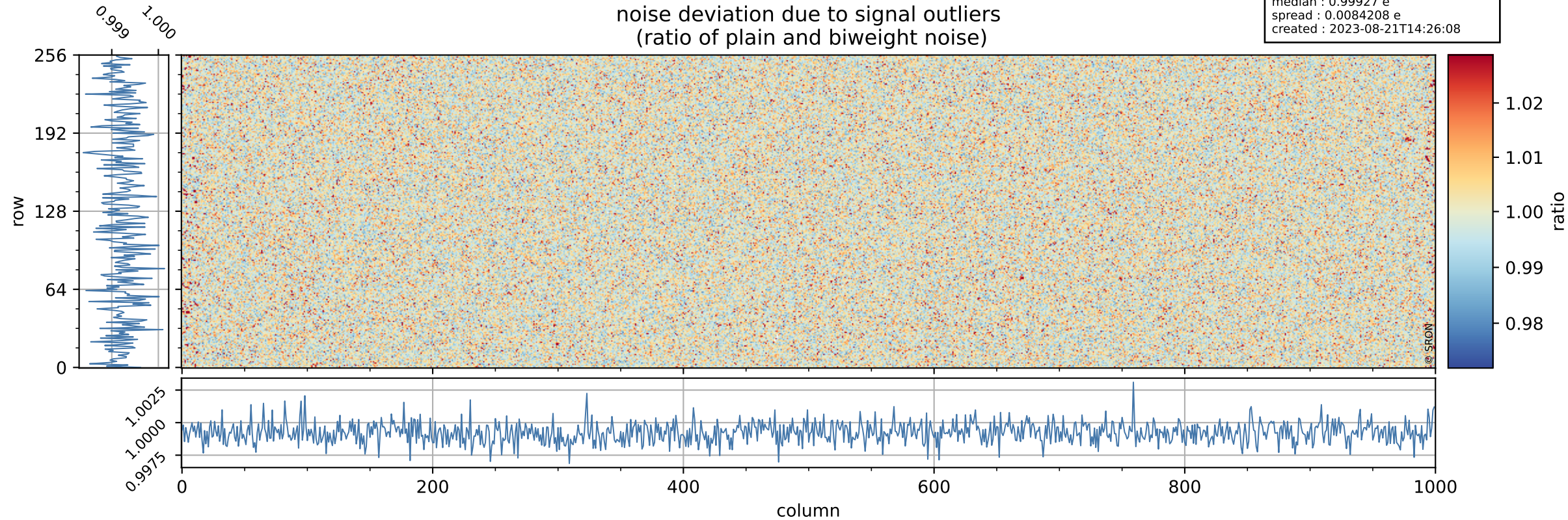




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
median : 0.99927 e  
spread : 0.0084208 e  
created : 2023-08-21T14:26:08

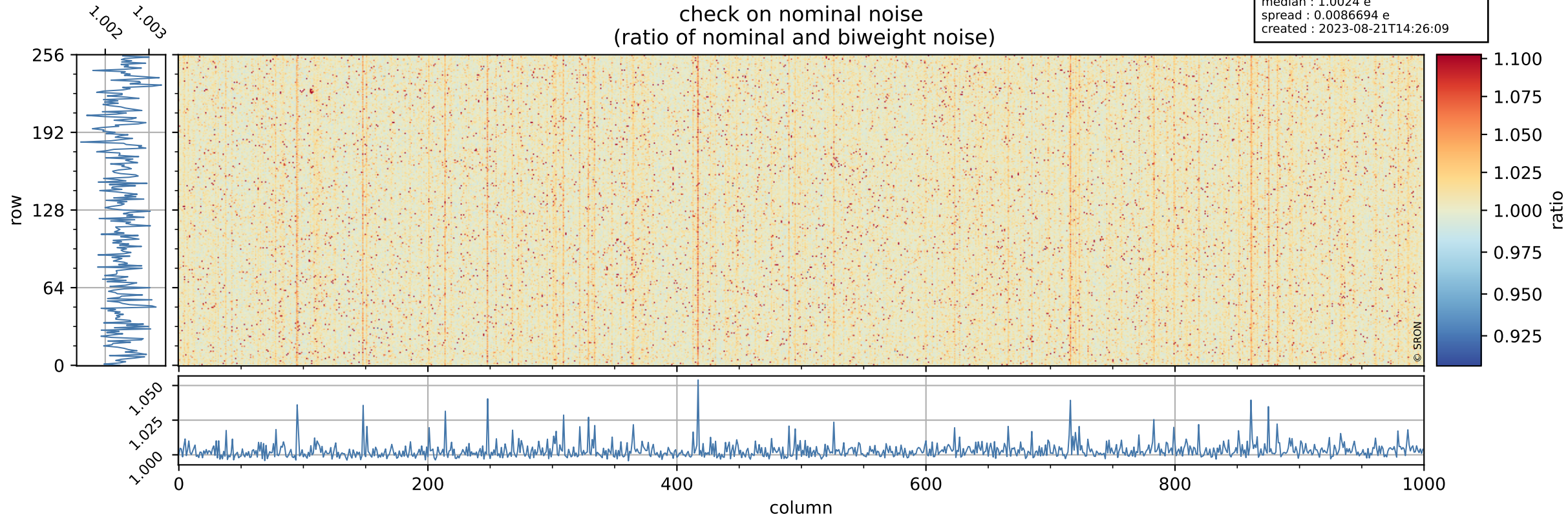




# Tropomi SWIR background noise (swir)

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

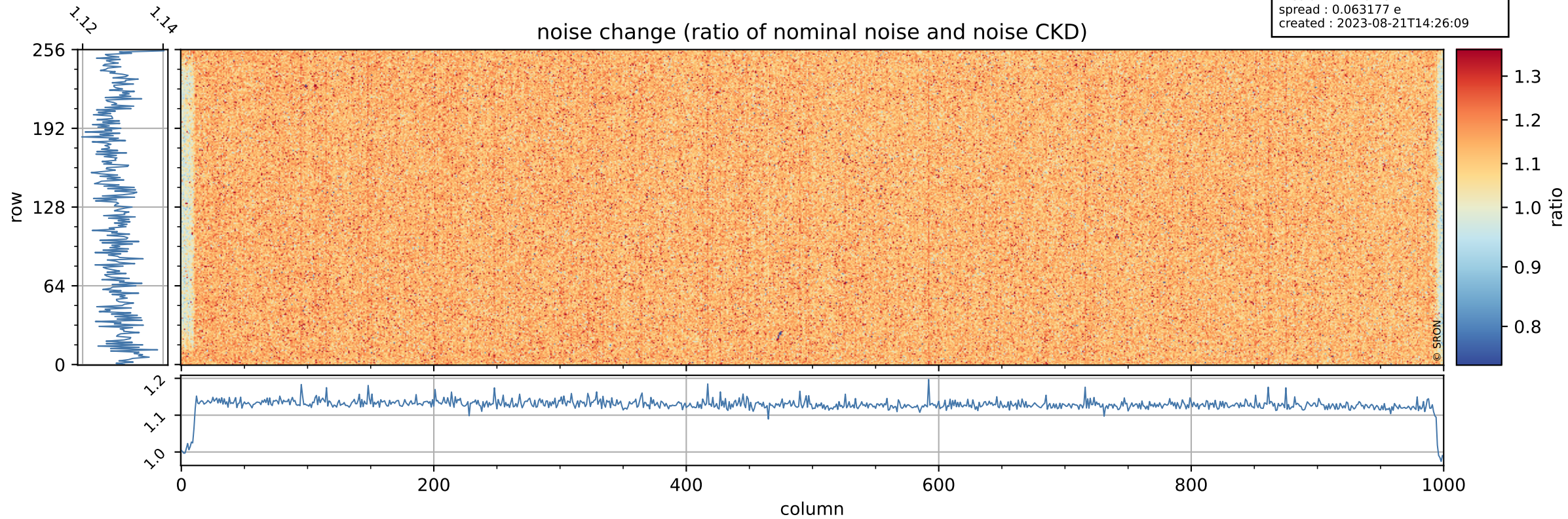
orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
median : 1.0024 e  
spread : 0.0086694 e  
created : 2023-08-21T14:26:09



# Tropomi SWIR background noise (swir)

orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
median : 1.1282 e  
spread : 0.063177 e  
created : 2023-08-21T14:26:09

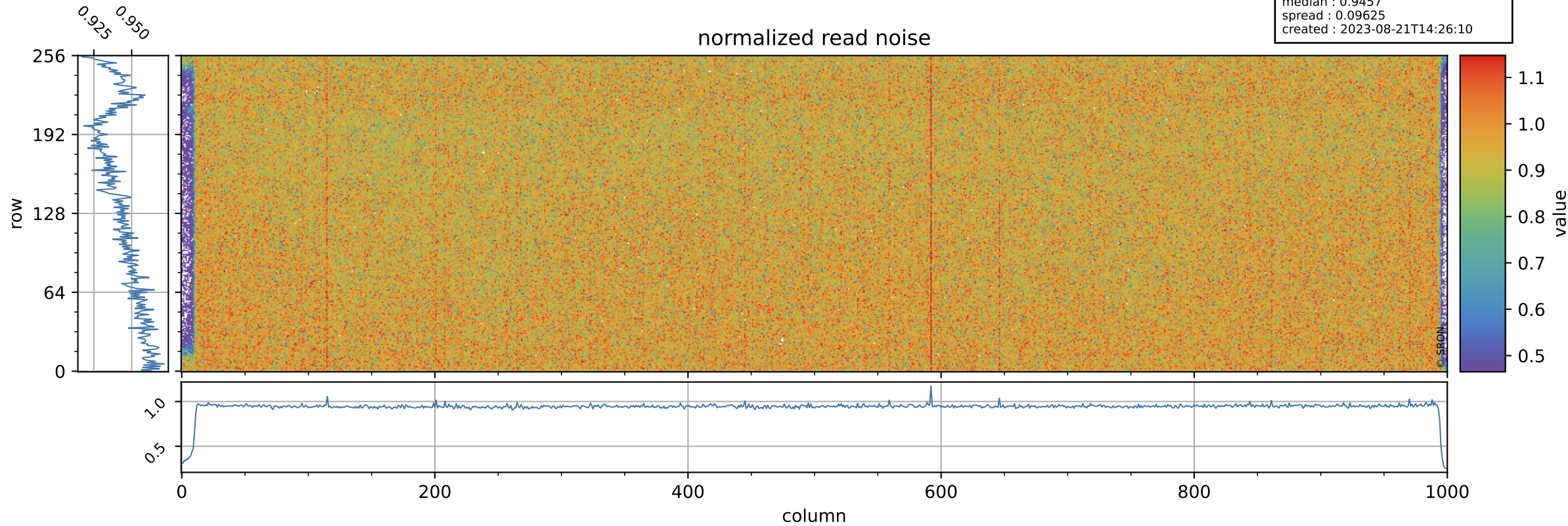
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

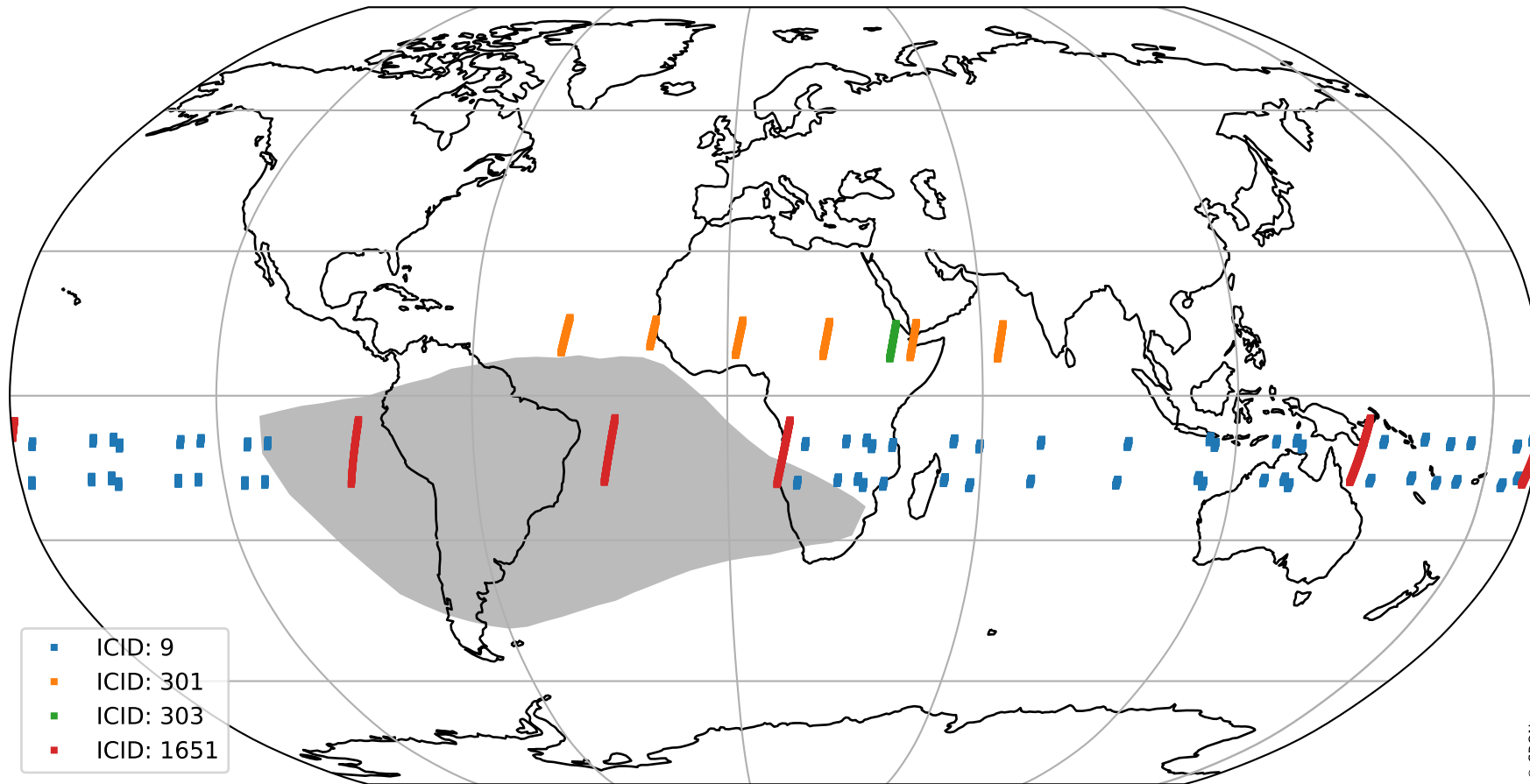
orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
median : 0.9457  
spread : 0.09625  
created : 2023-08-21T14:26:10





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

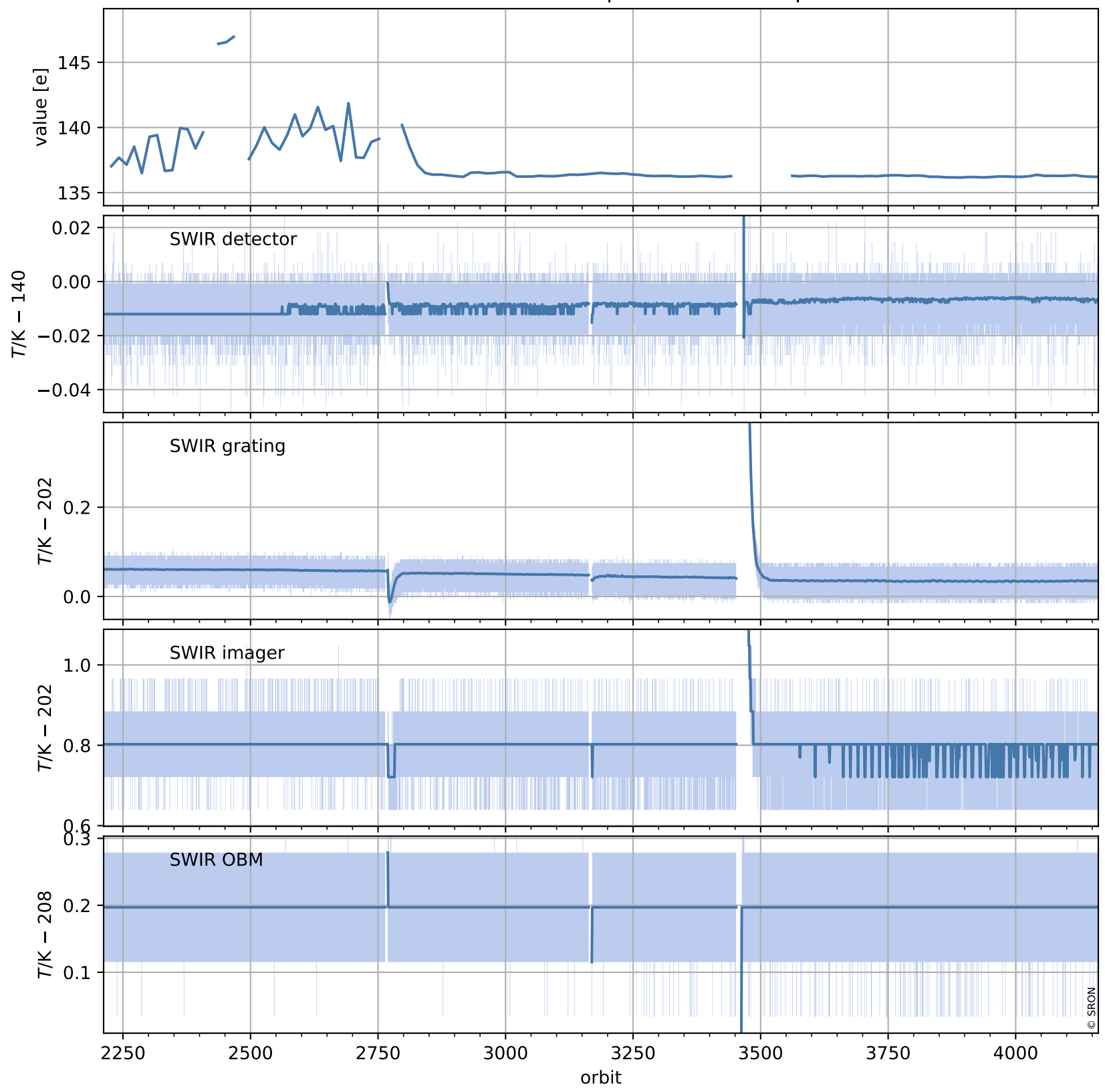
orbits : 12 in [4087, 4162]  
coverage : 2018-07-27 / 2018-08-02  
created : 2023-08-21T14:26:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 4162]  
coverage : 2018-03-18 / 2018-08-02  
created : 2023-08-21T14:26:10

## trend of detector median of plain noise & temperatures

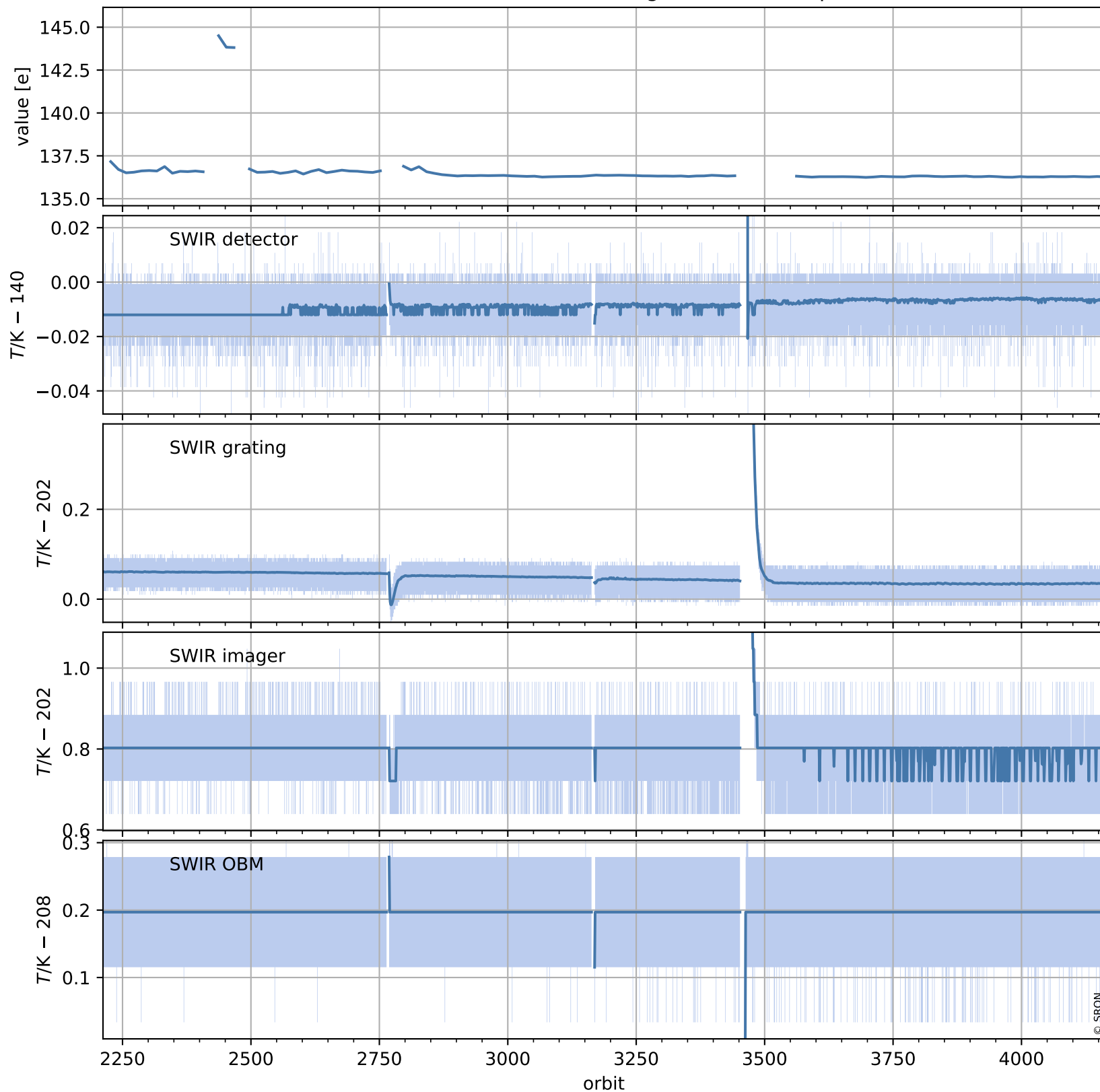




# Tropomi SWIR background noise (swir)

orbits : [2212, 4162]  
coverage : 2018-03-18 / 2018-08-02  
created : 2023-08-21T14:26:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4162]  
coverage : 2018-03-18 / 2018-08-02  
created : 2023-08-21T14:26:12

## trend of normalized read-noise & temperatures

