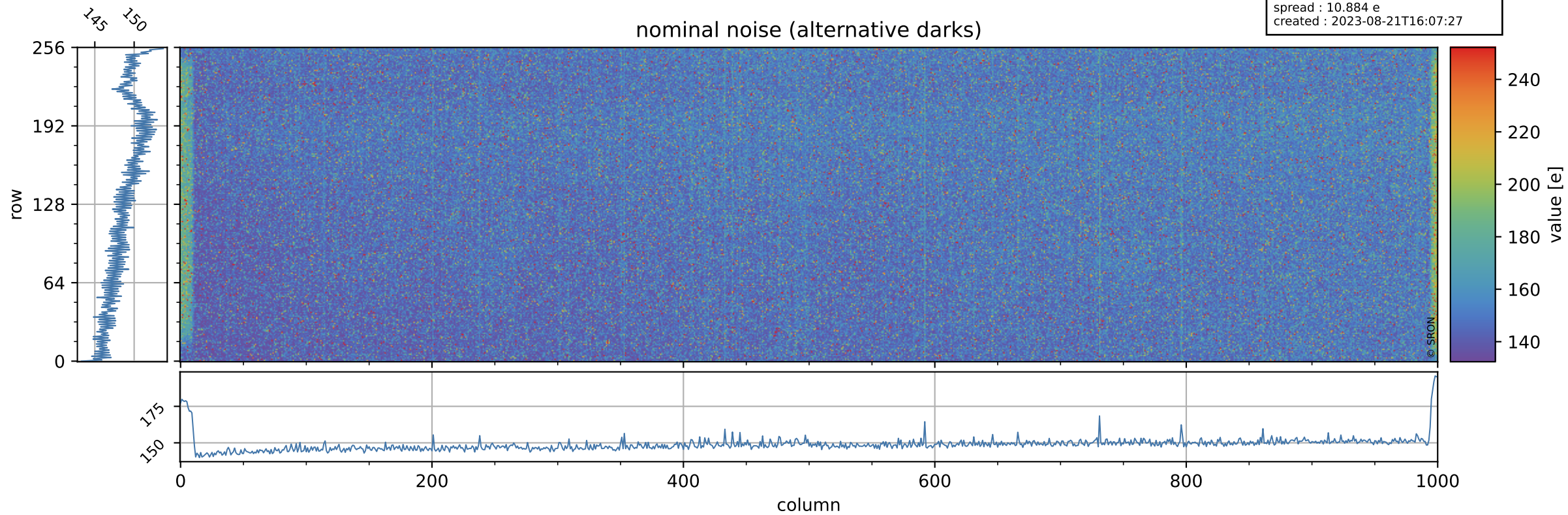


# Tropomi SWIR background noise (swir)

orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.884 e  
created : 2023-08-21T16:07:27

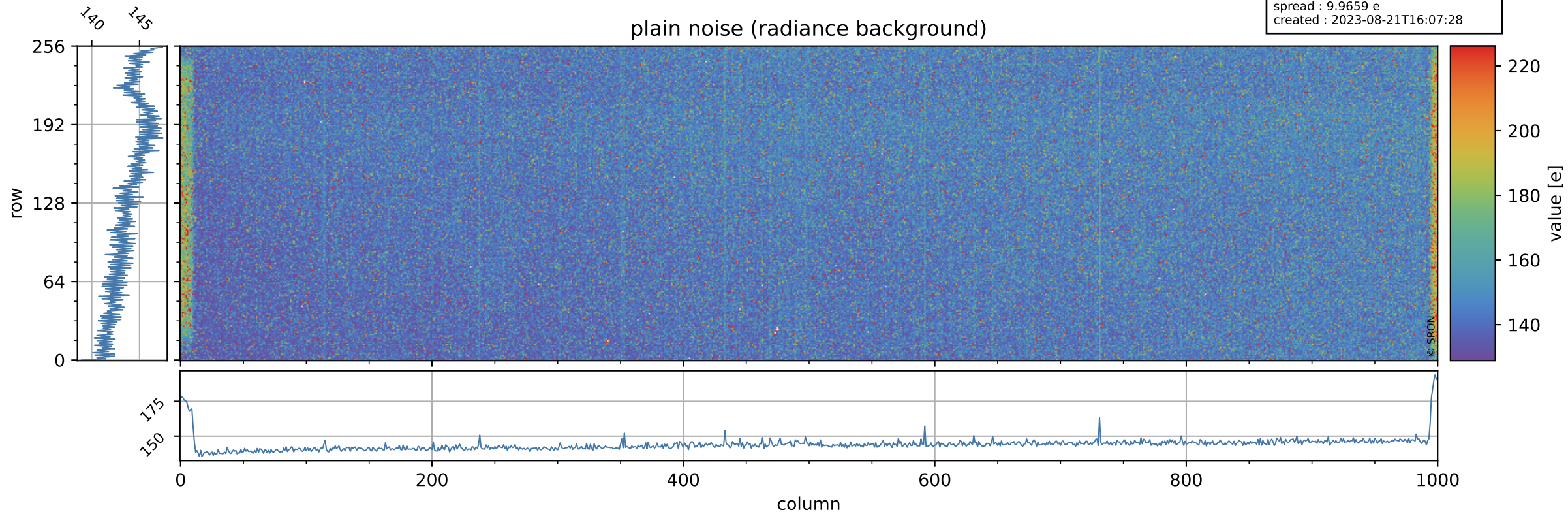
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.9659 e  
created : 2023-08-21T16:07:28

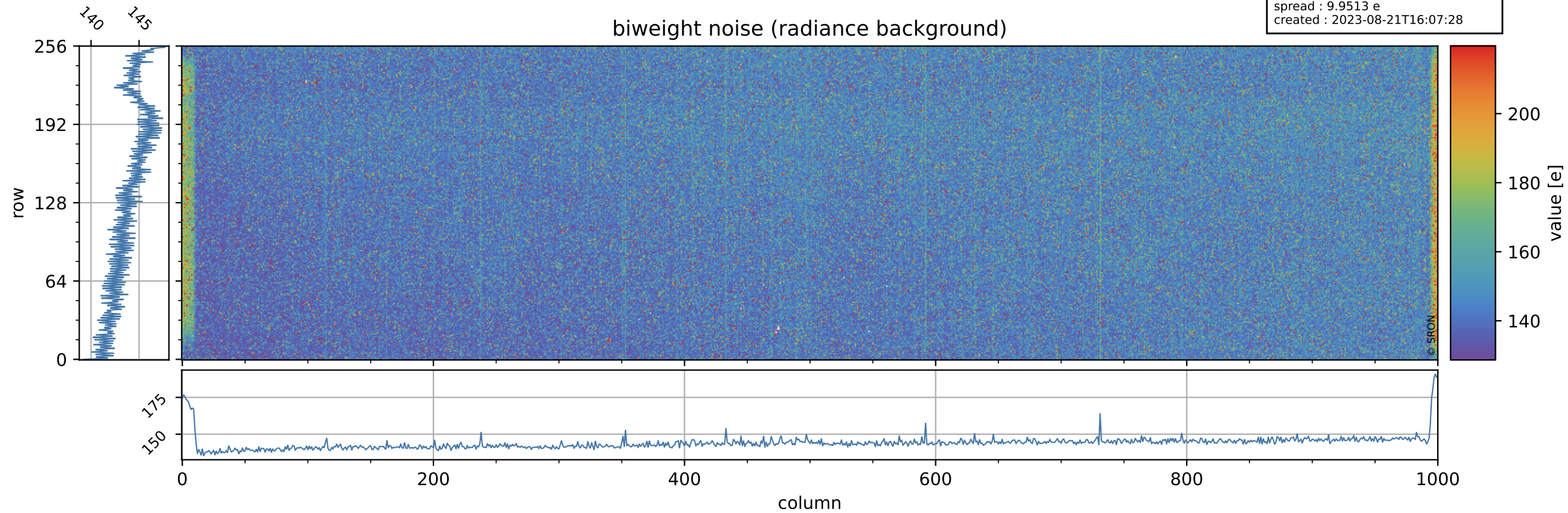
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.9513 e  
created : 2023-08-21T16:07:28

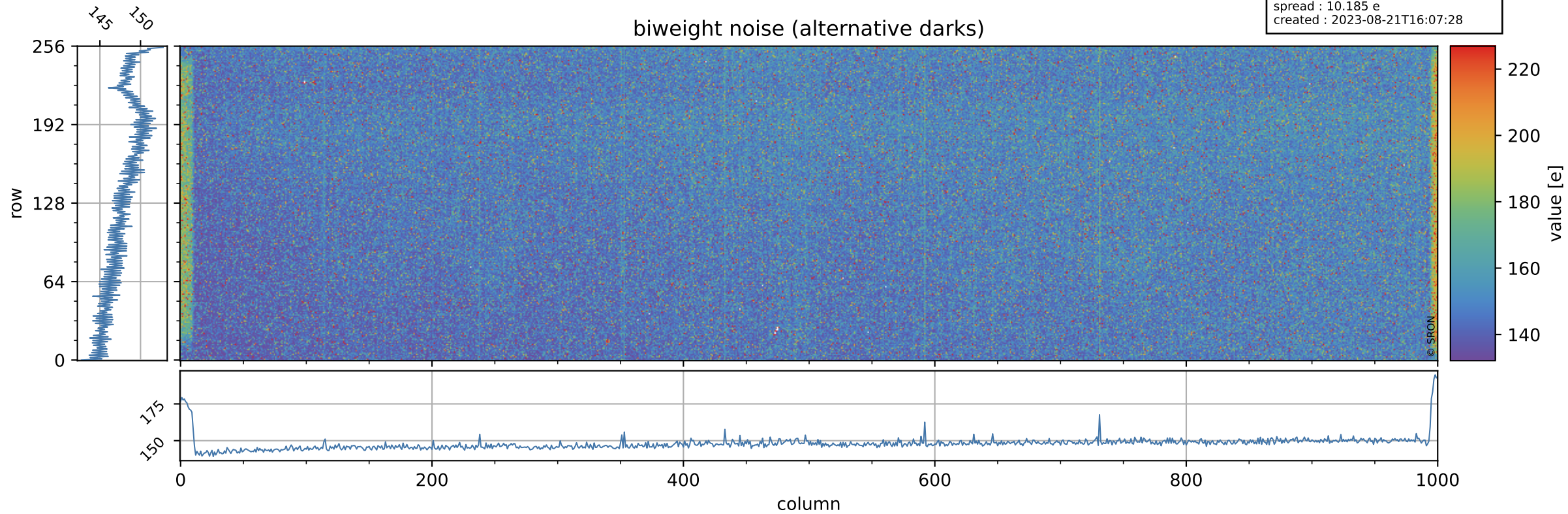
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
n\_coad, t\_exp : 1, 1.0783  
median : 147.75 e  
spread : 10.185 e  
created : 2023-08-21T16:07:28

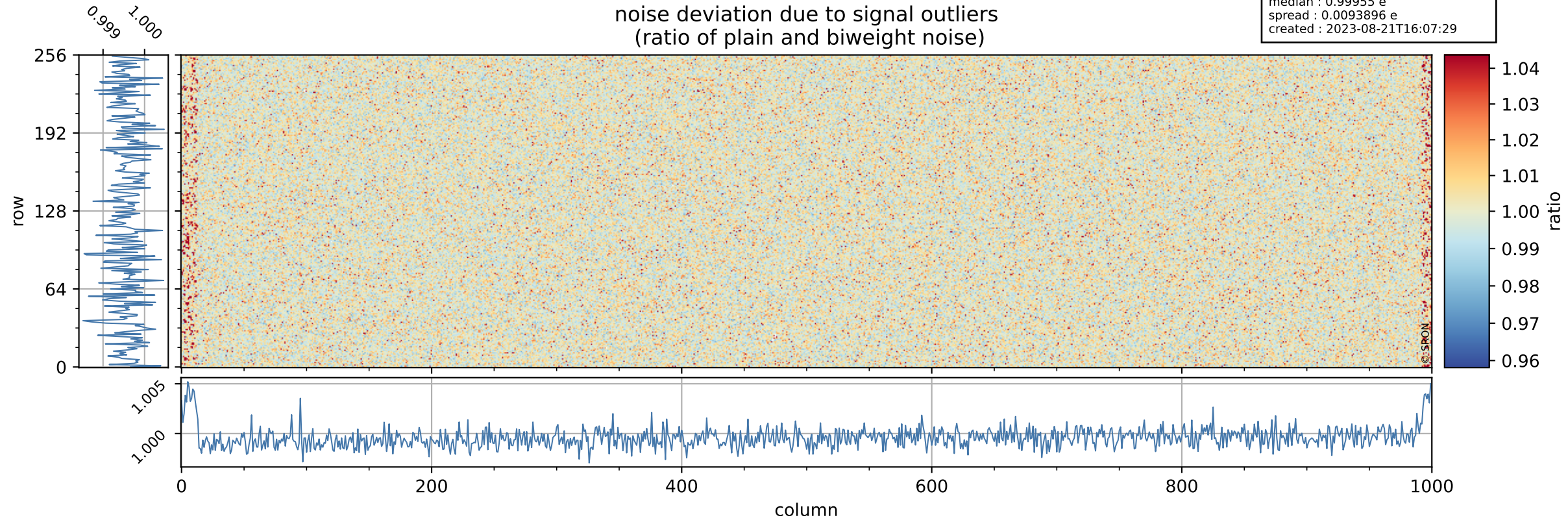
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

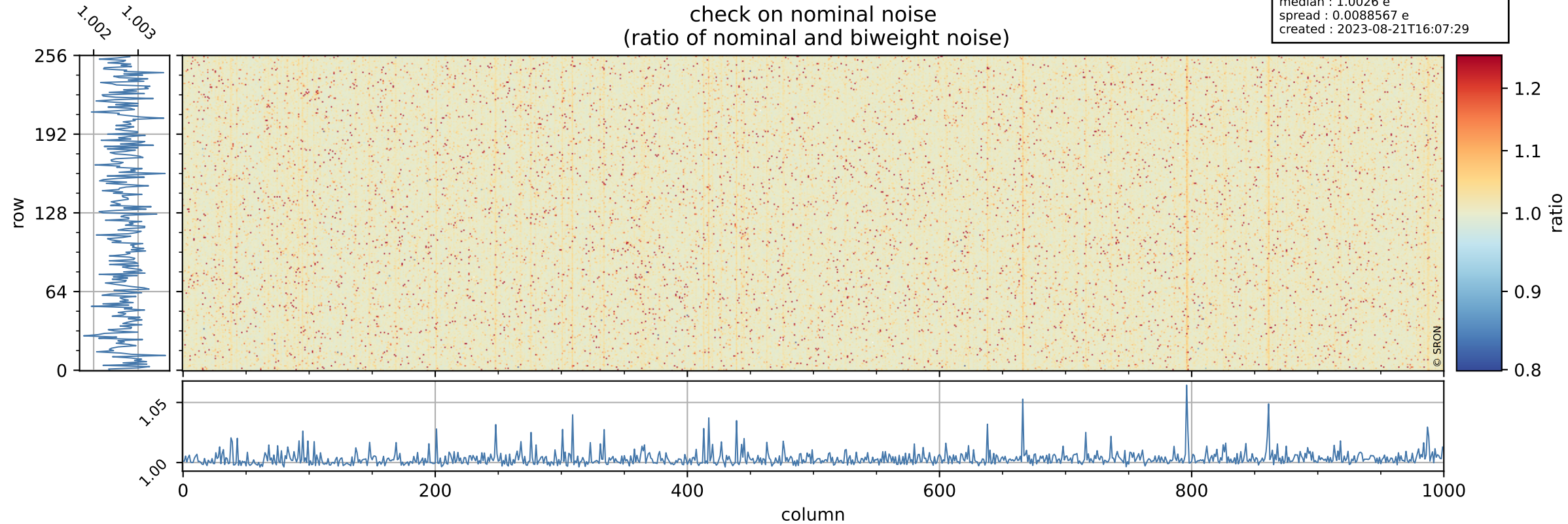
orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
median : 0.99955 e  
spread : 0.0093896 e  
created : 2023-08-21T16:07:29



# Tropomi SWIR background noise (swir)

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

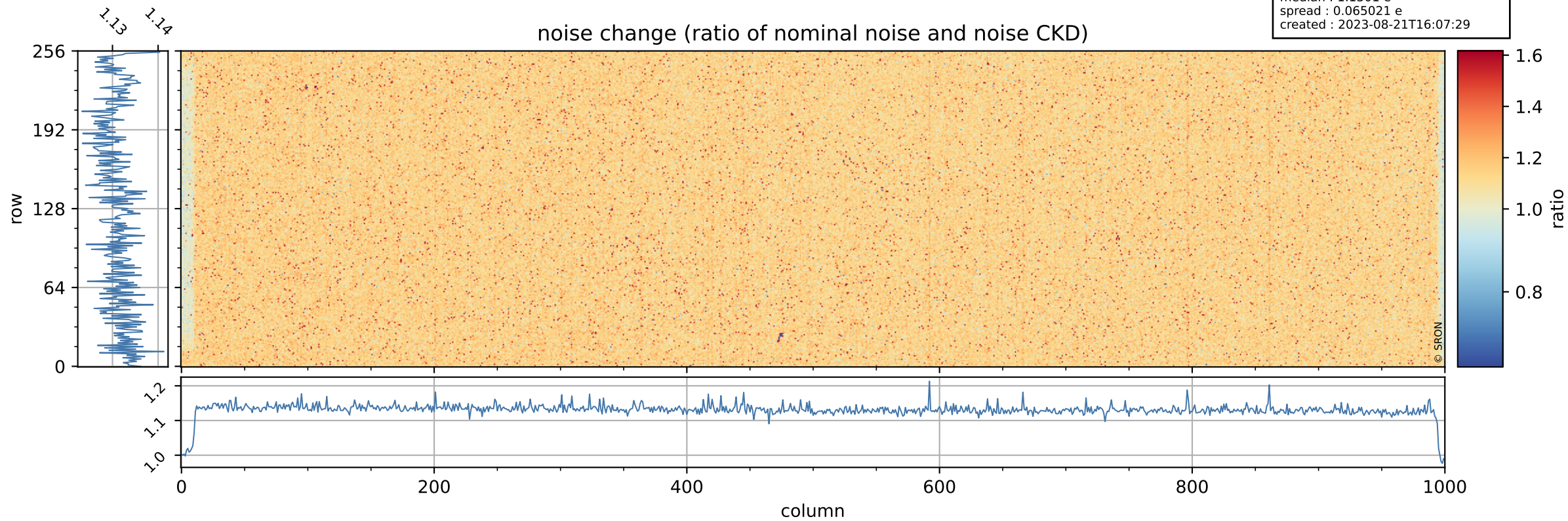
orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
median : 1.0026 e  
spread : 0.0088567 e  
created : 2023-08-21T16:07:29



# Tropomi SWIR background noise (swir)

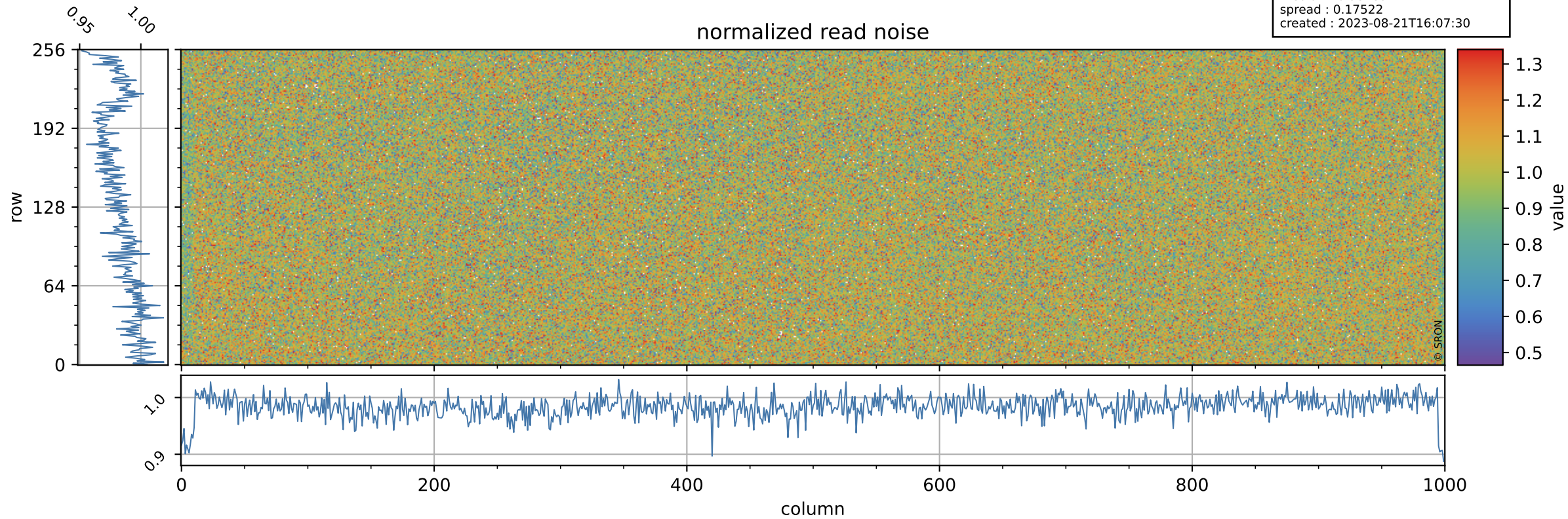
orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
median : 1.1301 e  
spread : 0.065021 e  
created : 2023-08-21T16:07:29

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

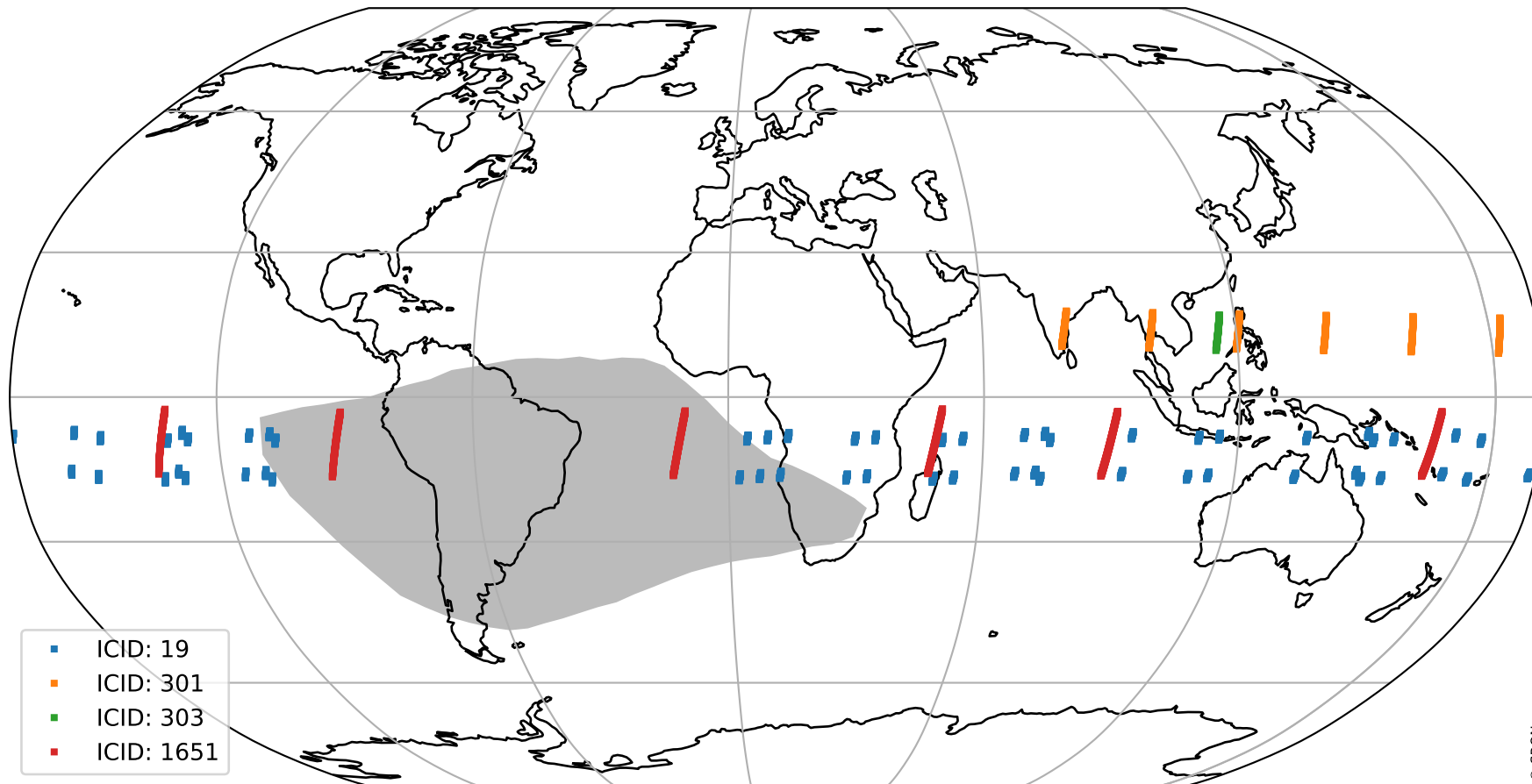
orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
median : 0.98289  
spread : 0.17522  
created : 2023-08-21T16:07:30





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

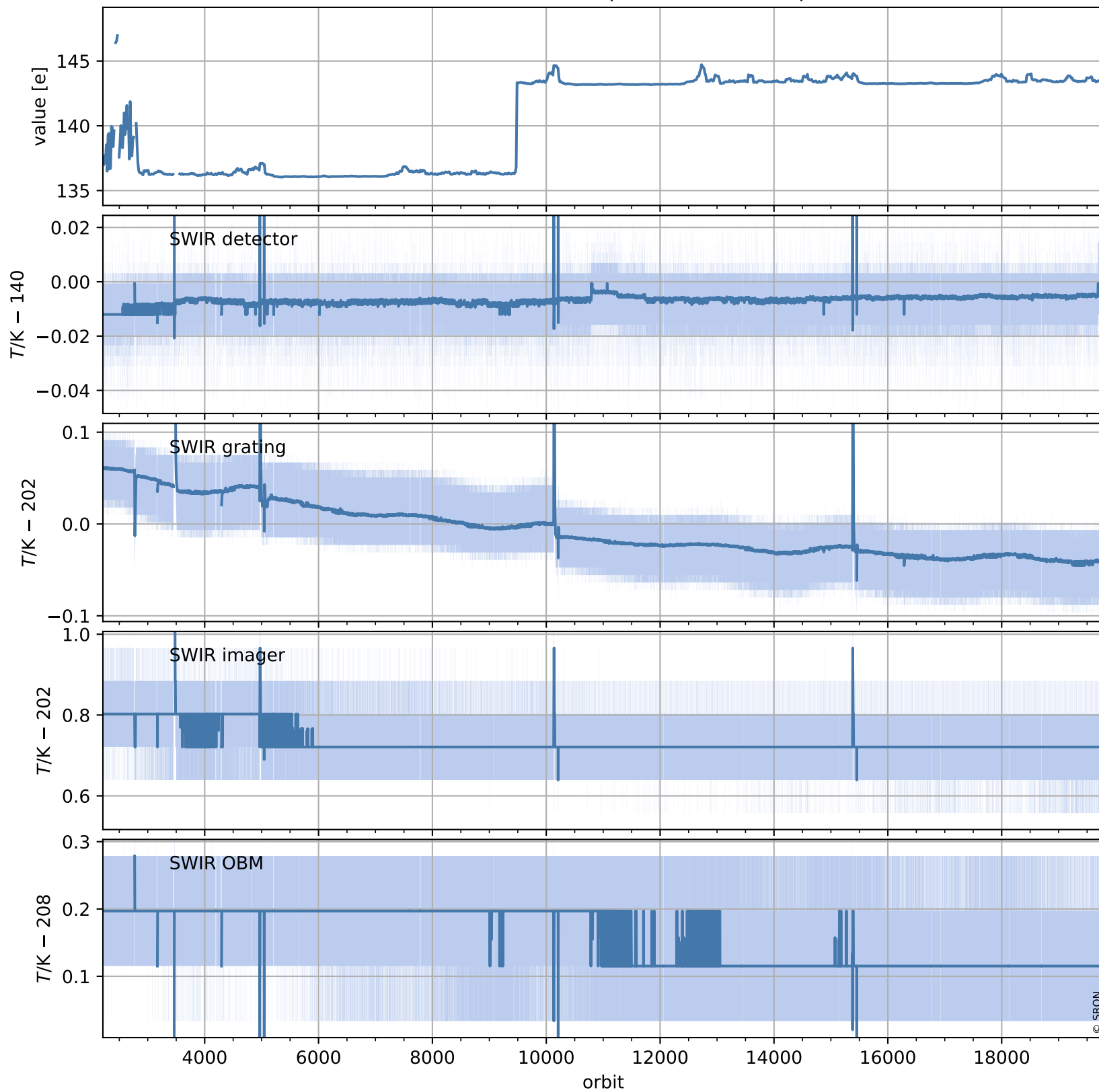
orbits : 13 in [19702, 19792]  
coverage : 2021-08-02 / 2021-08-07  
created : 2023-08-21T16:07:30



# Tropomi SWIR background noise (swir)

orbits : [2212, 19792]  
coverage : 2018-03-18 / 2021-08-07  
created : 2023-08-21T16:07:30

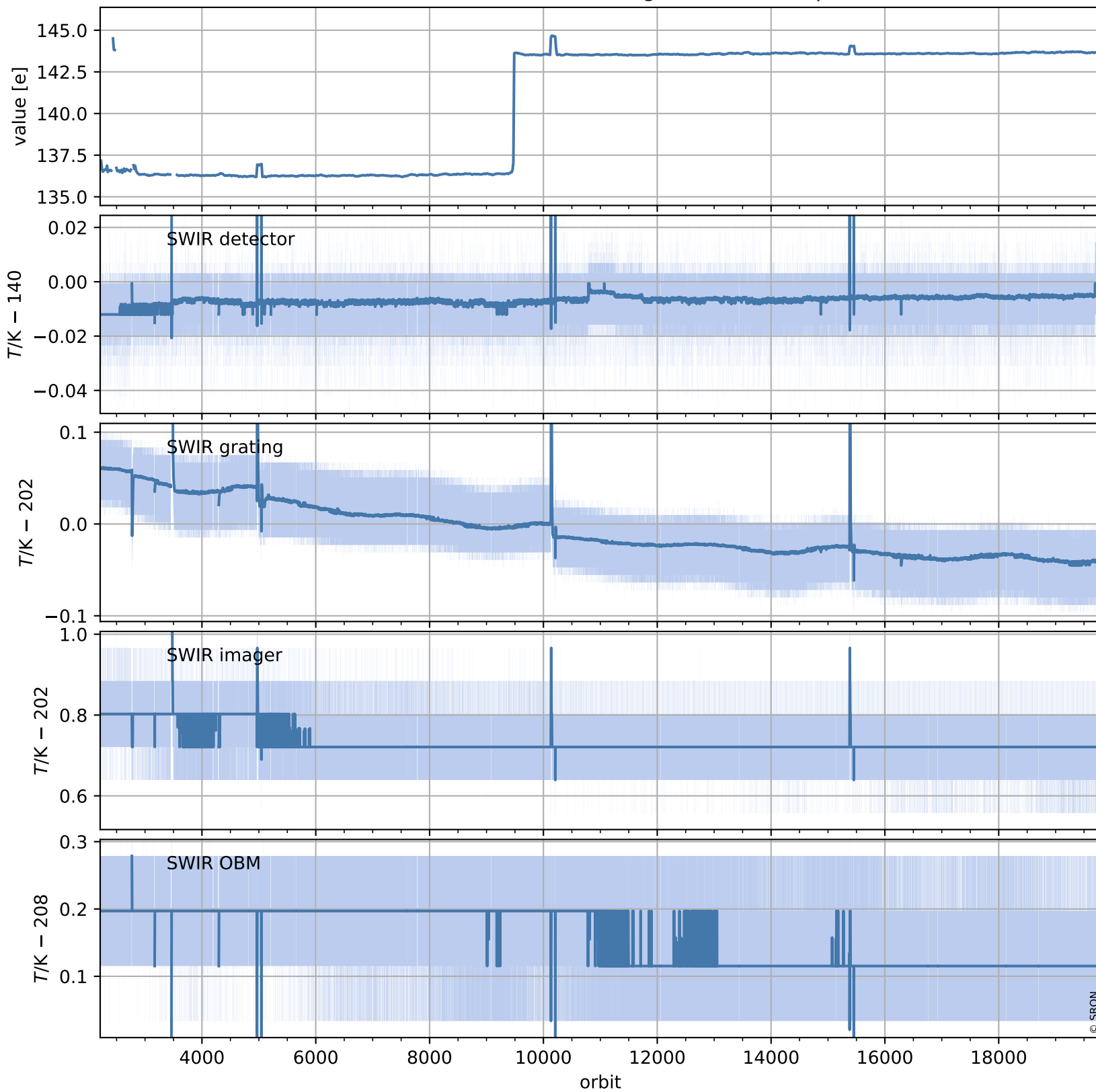
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19792]  
coverage : 2018-03-18 / 2021-08-07  
created : 2023-08-21T16:07:31

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19792]  
coverage : 2018-03-18 / 2021-08-07  
created : 2023-08-21T16:07:32

## trend of normalized read-noise & temperatures

