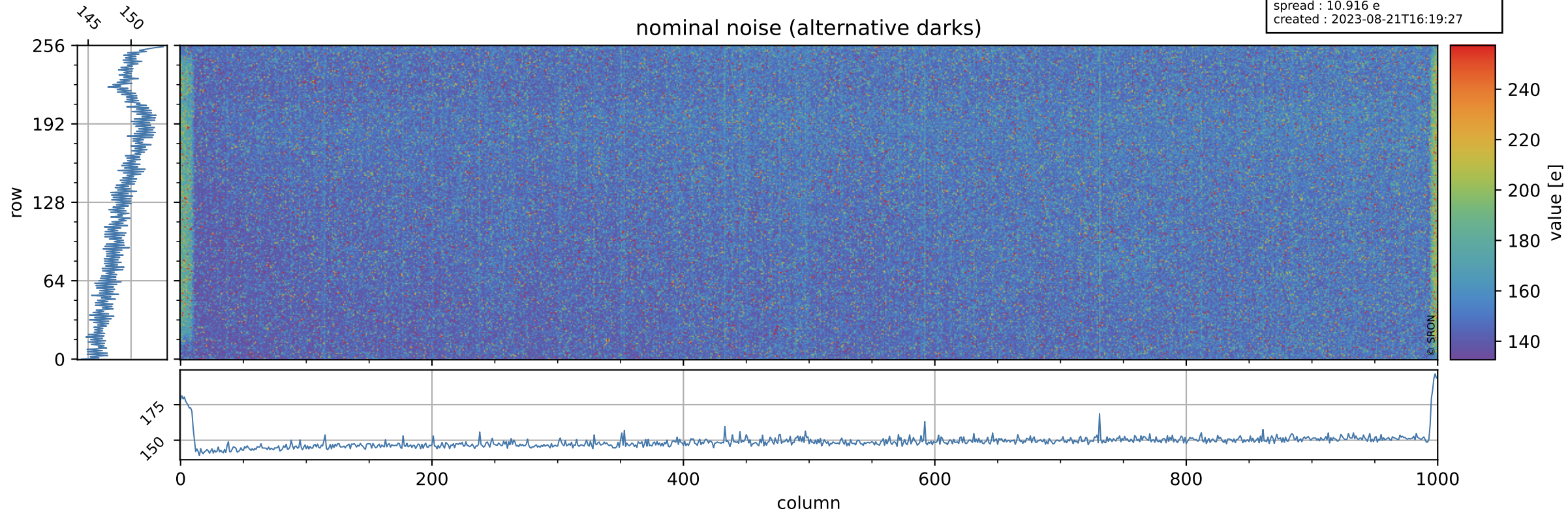


# Tropomi SWIR background noise (swir)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.84 e  
spread : 10.916 e  
created : 2023-08-21T16:19:27

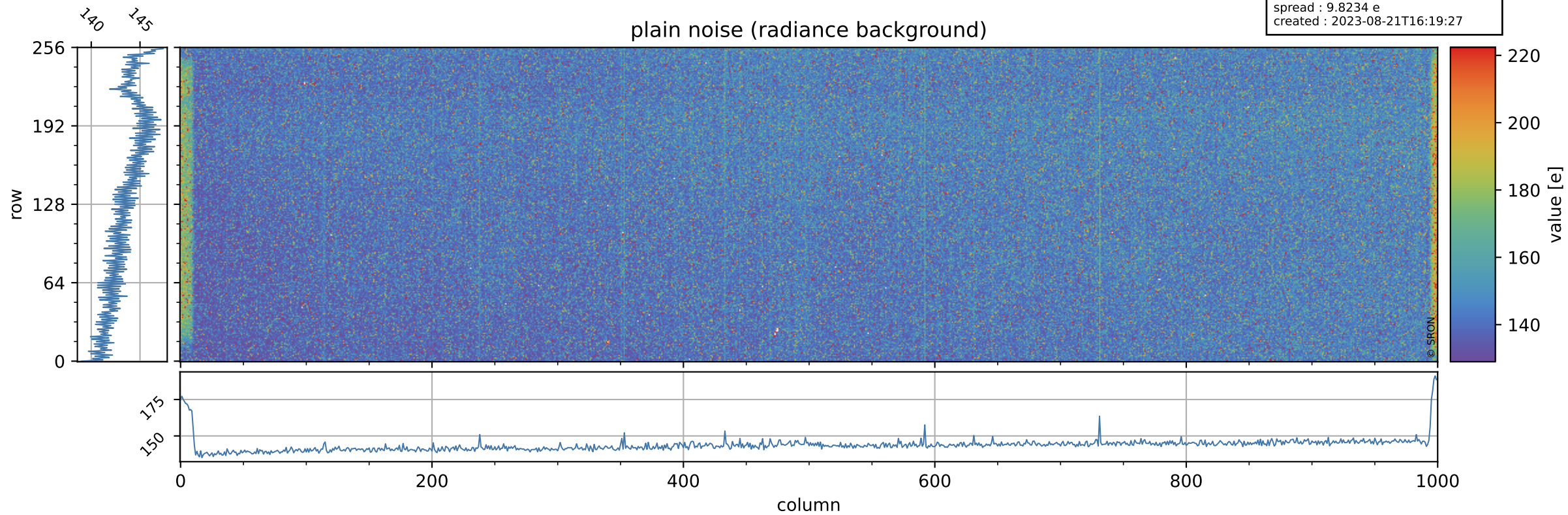
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.46 e  
spread : 9.8234 e  
created : 2023-08-21T16:19:27

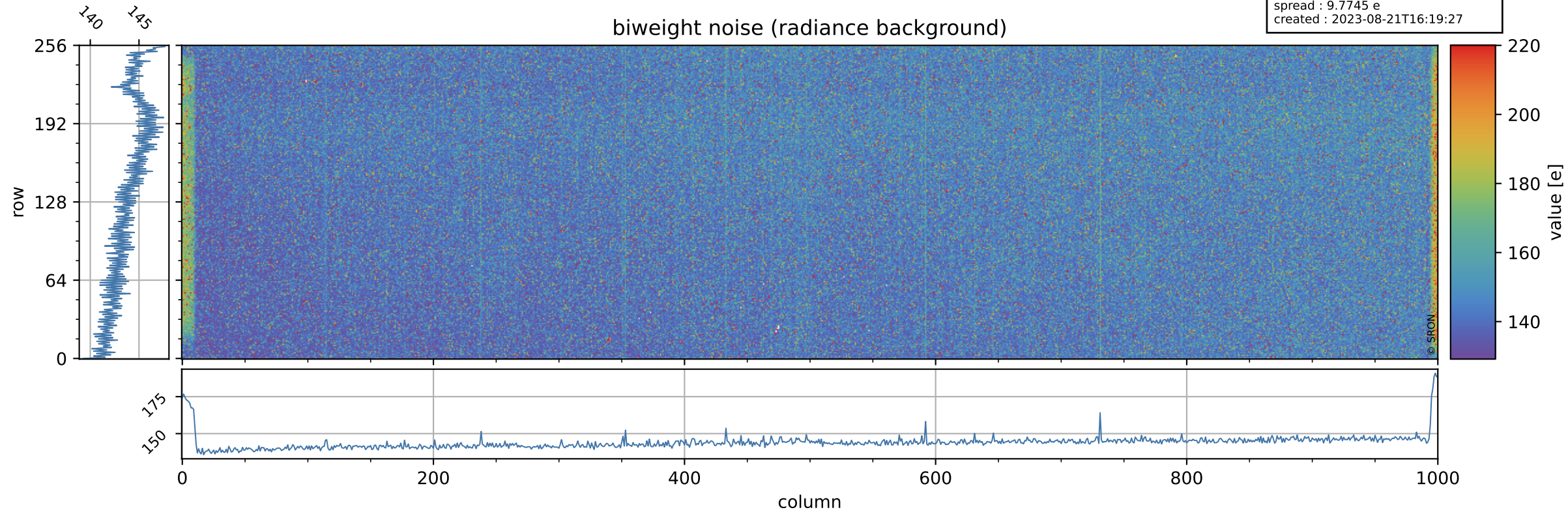
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.7745 e  
created : 2023-08-21T16:19:27

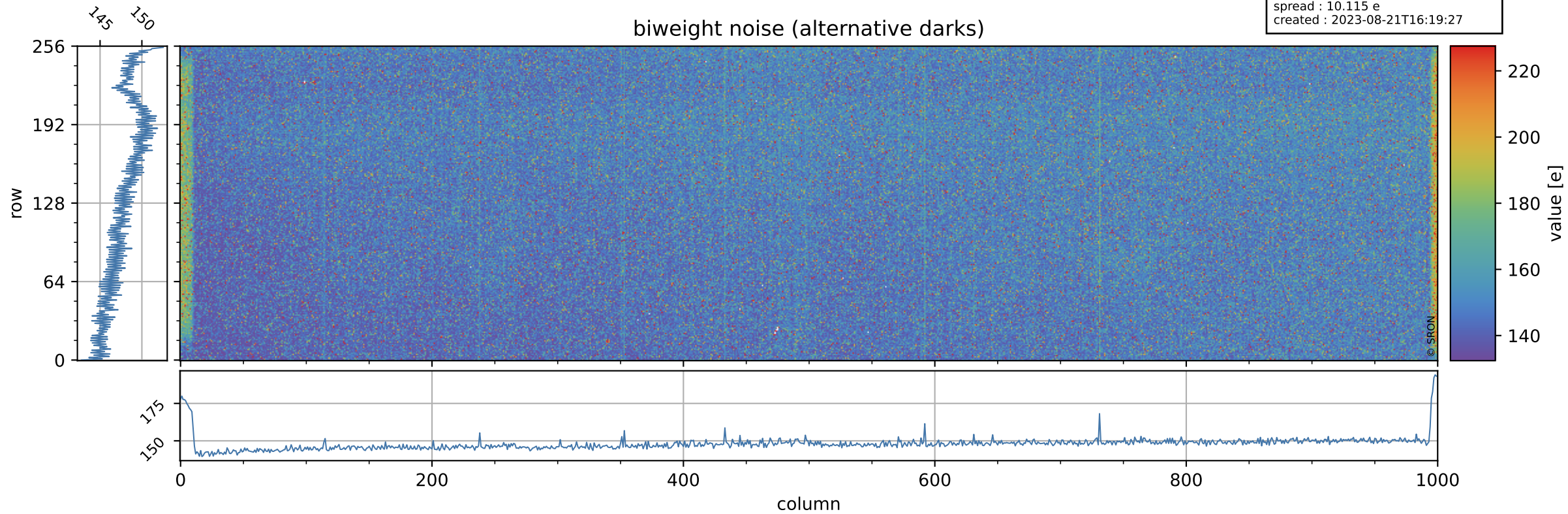
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.115 e  
created : 2023-08-21T16:19:27

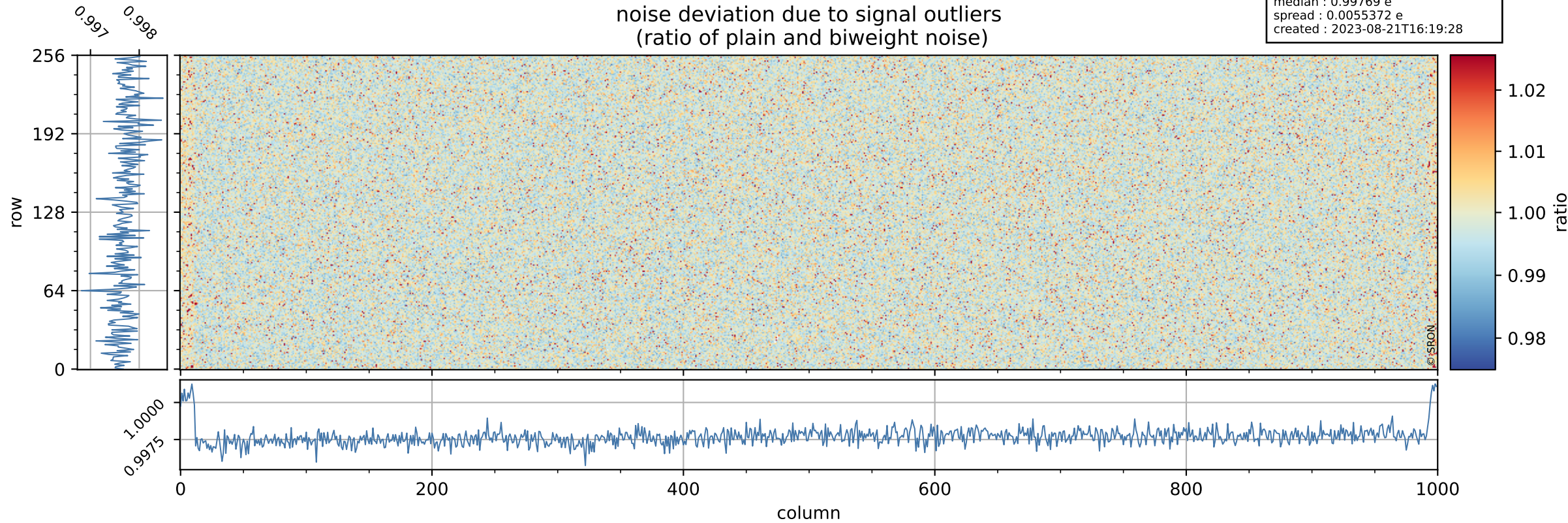
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

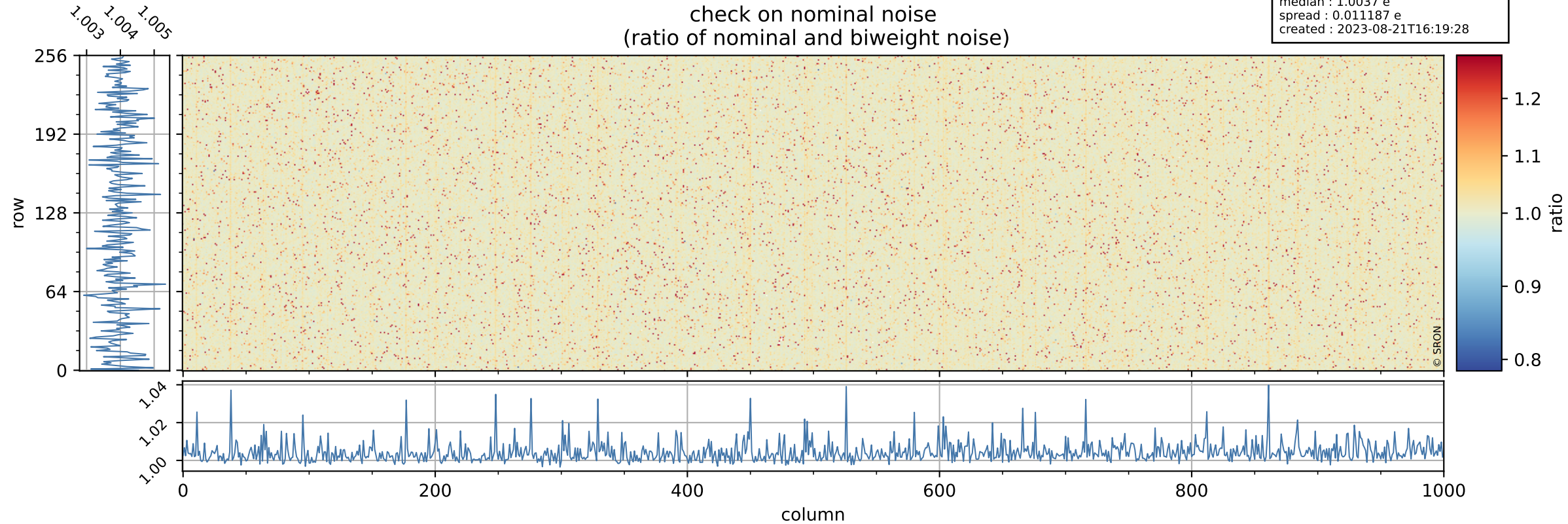
orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
median : 0.99769 e  
spread : 0.0055372 e  
created : 2023-08-21T16:19:28



# Tropomi SWIR background noise (swir)

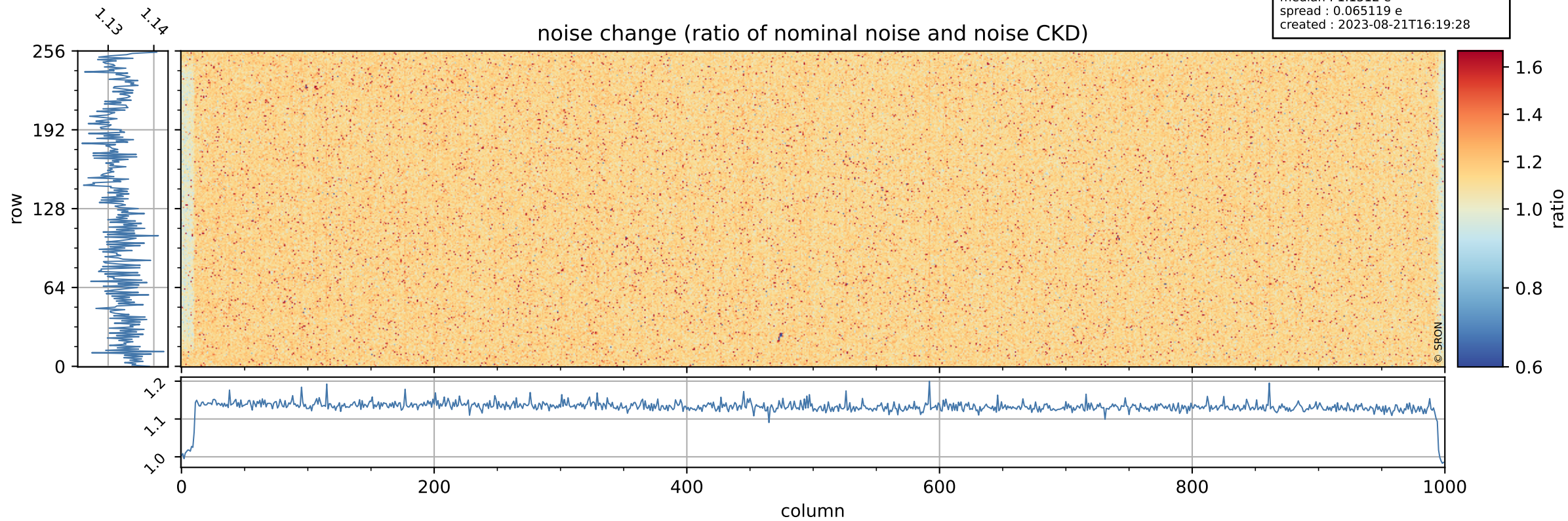
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
median : 1.0037 e  
spread : 0.011187 e  
created : 2023-08-21T16:19:28



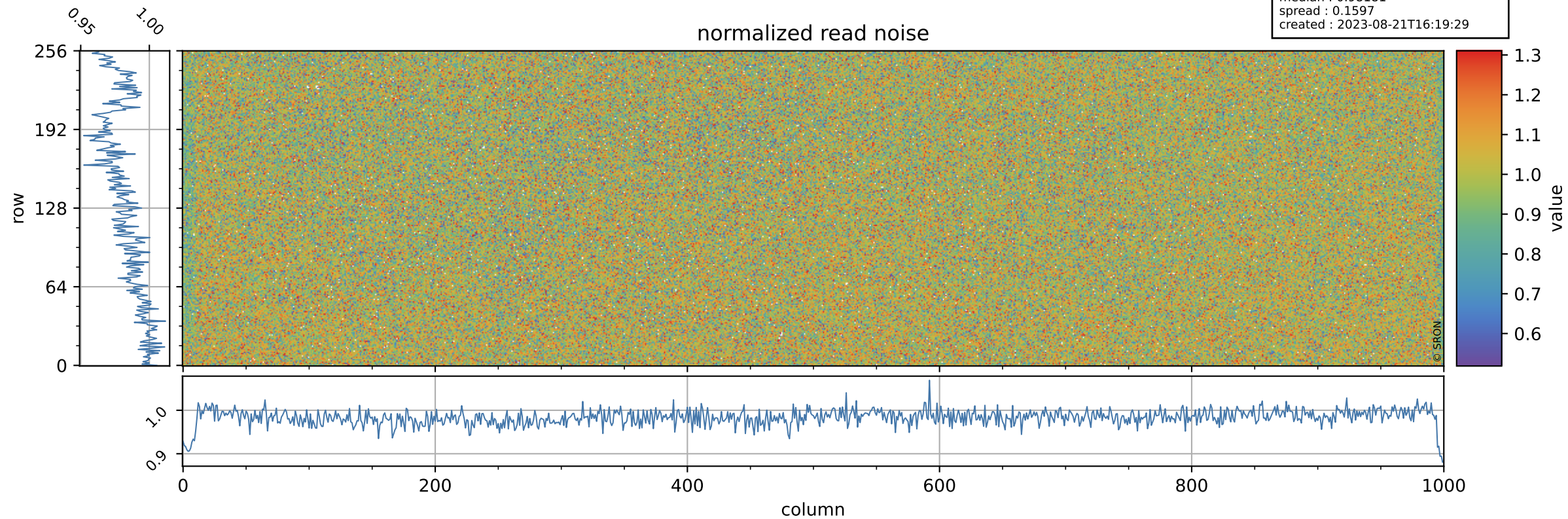
# Tropomi SWIR background noise (swir)

orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
median : 1.1312 e  
spread : 0.065119 e  
created : 2023-08-21T16:19:28



# Tropomi SWIR background noise (swir)

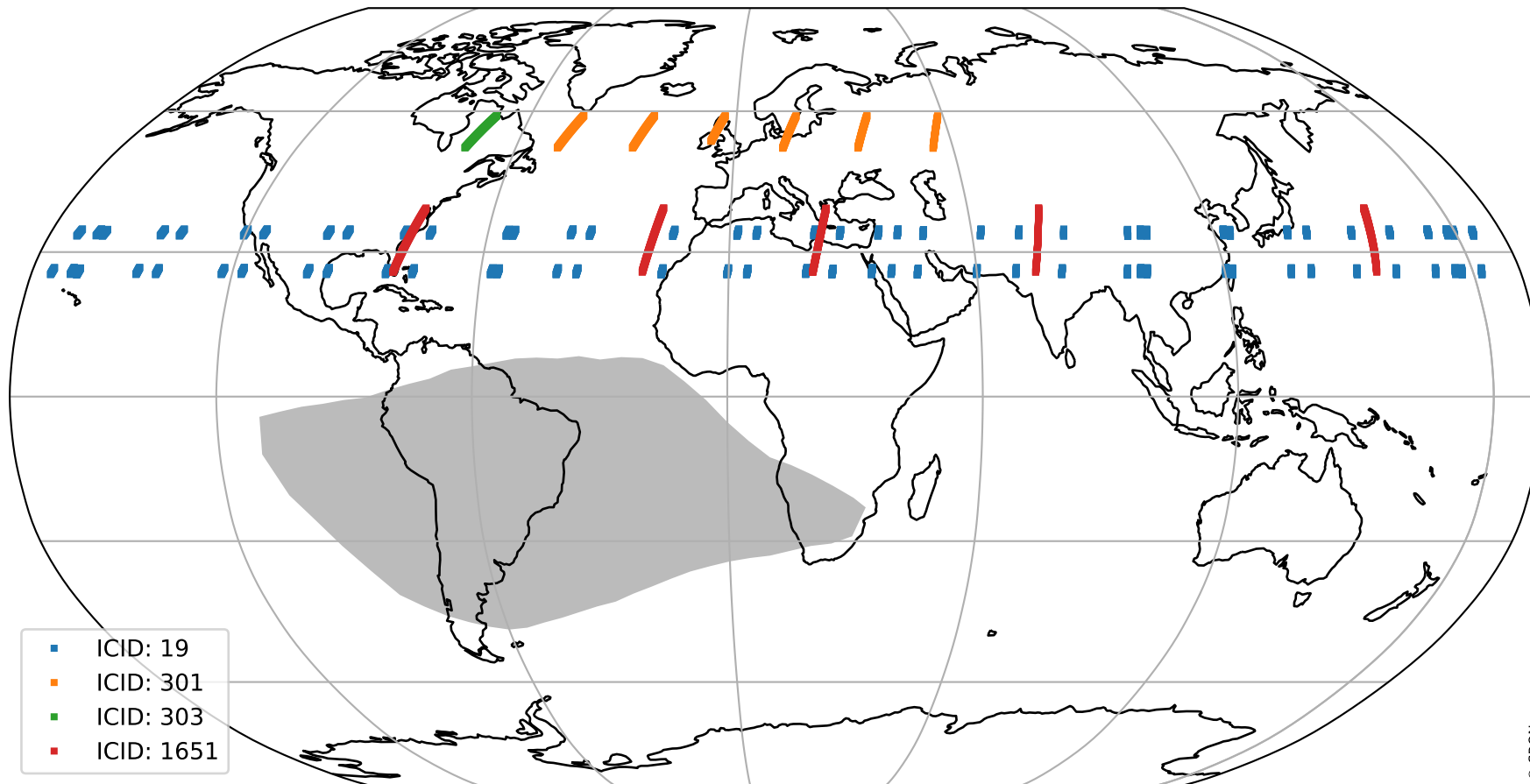
orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
median : 0.98181  
spread : 0.1597  
created : 2023-08-21T16:19:29





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

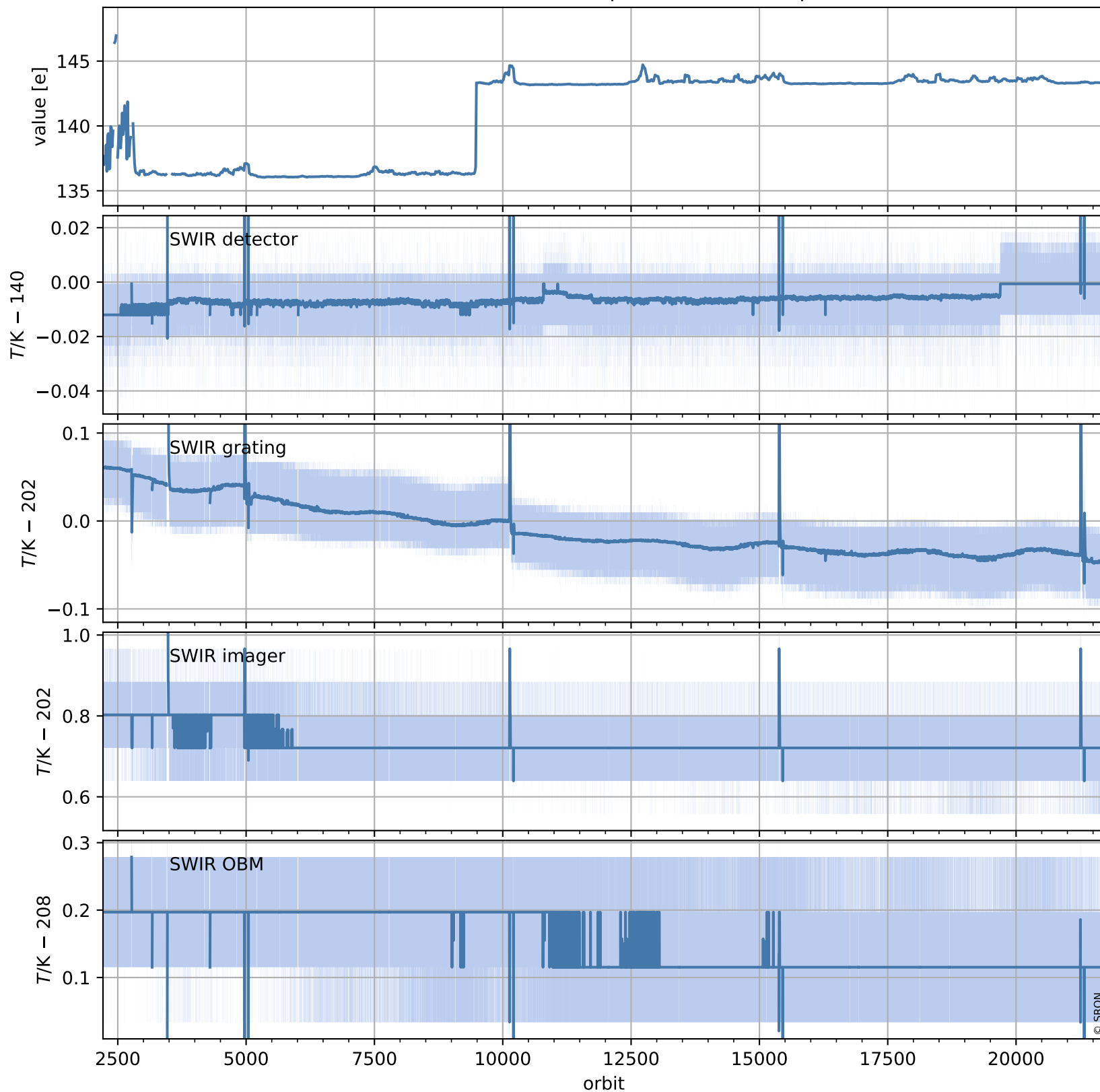
orbits : 12 in [21637, 21727]  
coverage : 2021-12-16 / 2021-12-22  
created : 2023-08-21T16:19:29



# Tropomi SWIR background noise (swir)

orbits : [2212, 21727]  
coverage : 2018-03-18 / 2021-12-22  
created : 2023-08-21T16:19:29

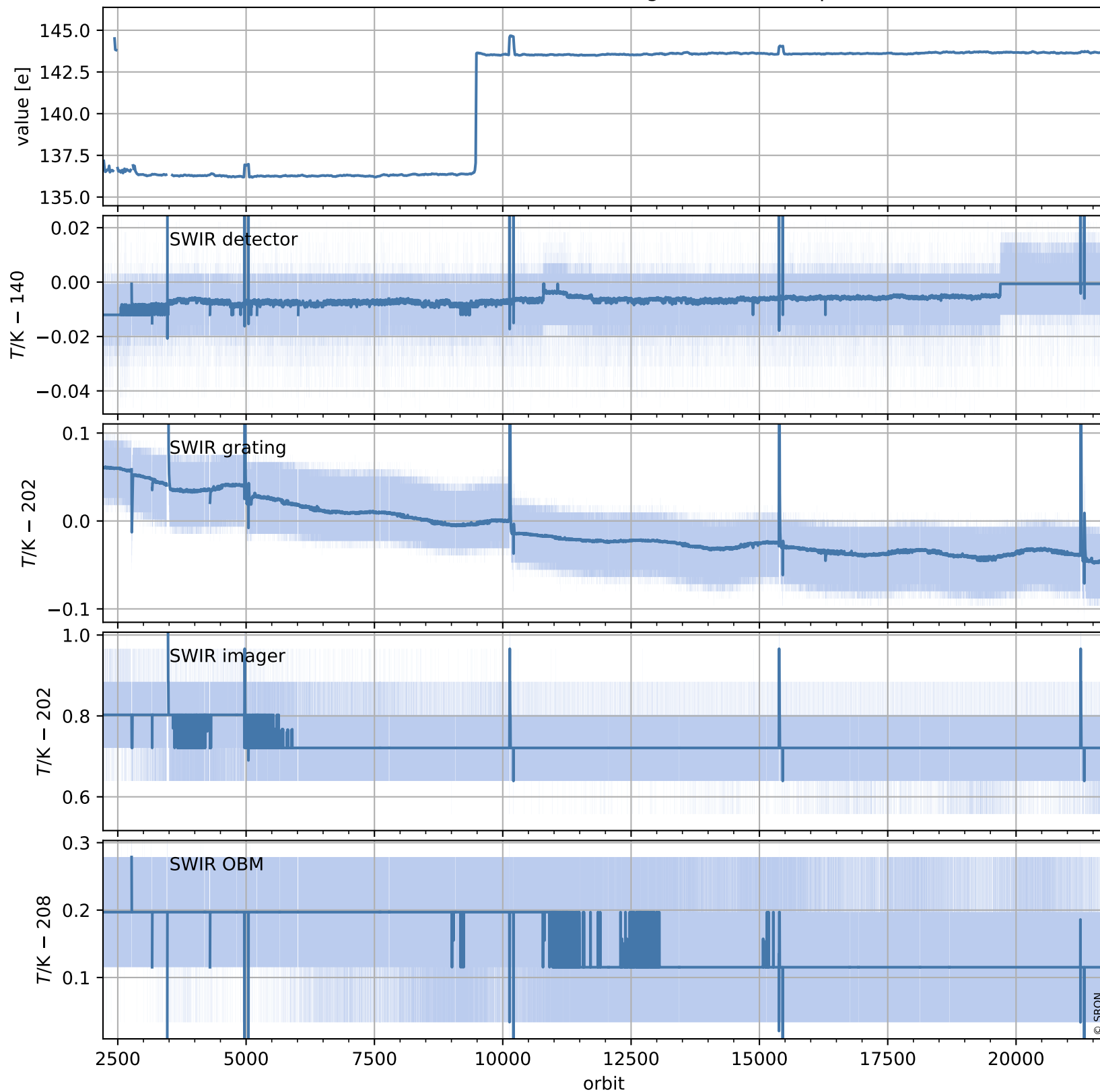
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21727]  
coverage : 2018-03-18 / 2021-12-22  
created : 2023-08-21T16:19:30

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21727]  
coverage : 2018-03-18 / 2021-12-22  
created : 2023-08-21T16:19:31

## trend of normalized read-noise & temperatures

