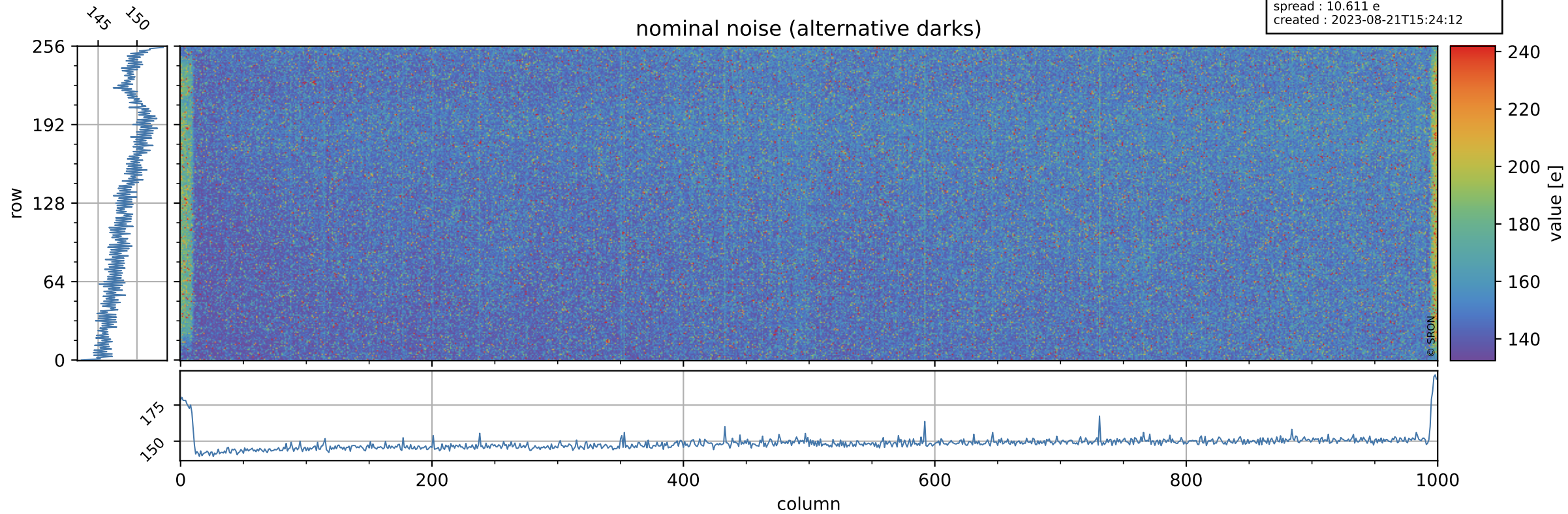


# Tropomi SWIR background noise (swir)

orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.611 e  
created : 2023-08-21T15:24:12

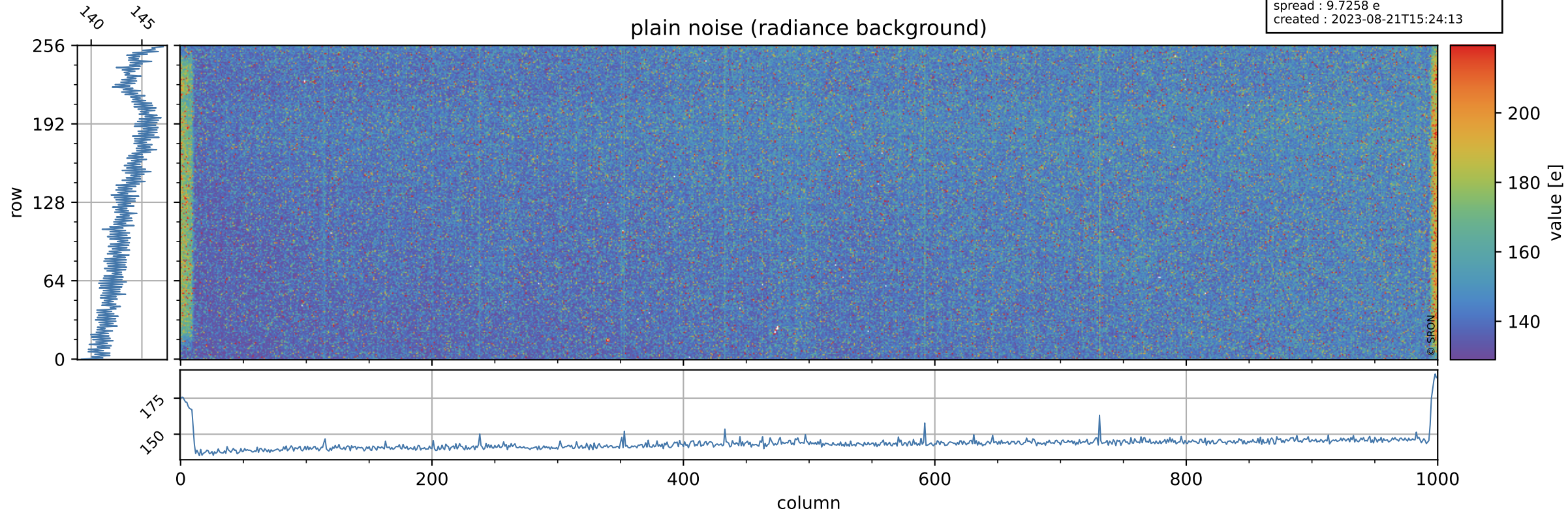
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.36 e  
spread : 9.7258 e  
created : 2023-08-21T15:24:13

plain noise (radiance background)

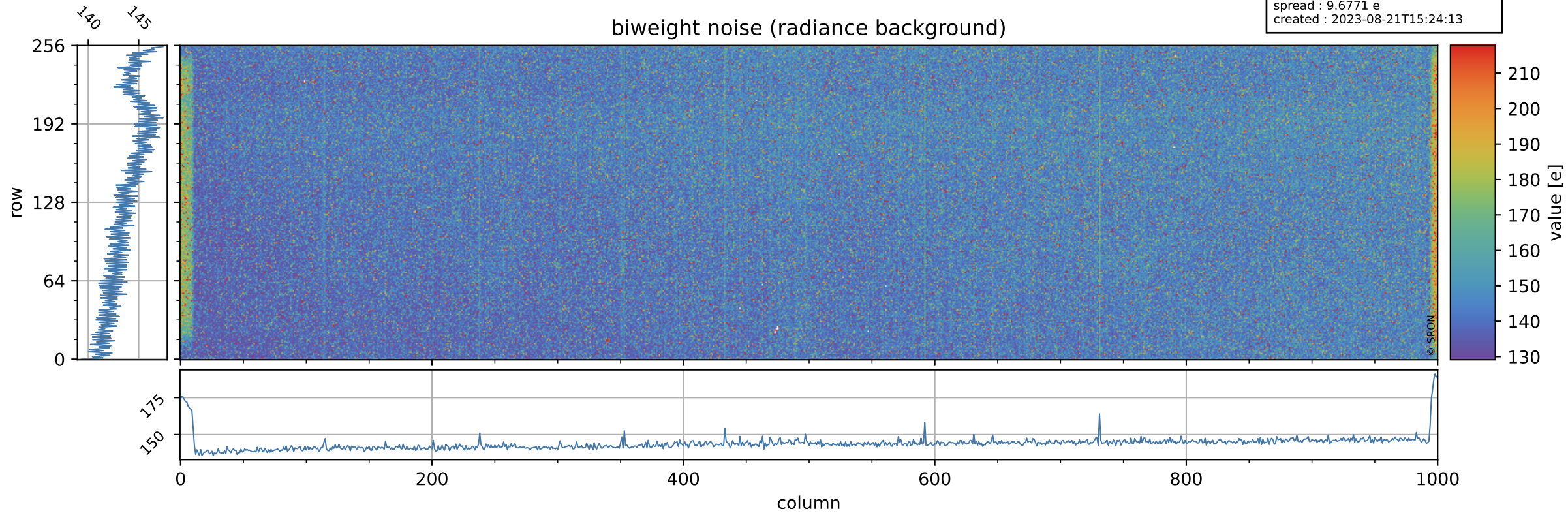




# Tropomi SWIR background noise (swir)

orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.6771 e  
created : 2023-08-21T15:24:13

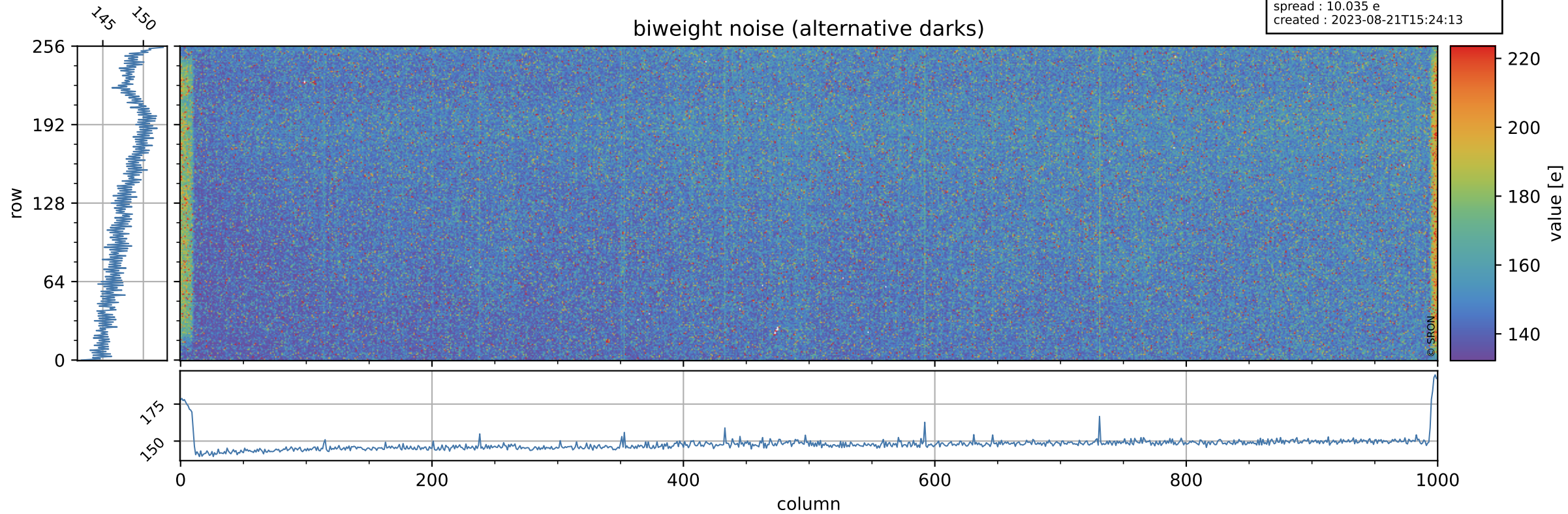
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 10.035 e  
created : 2023-08-21T15:24:13

## biweight noise (alternative darks)

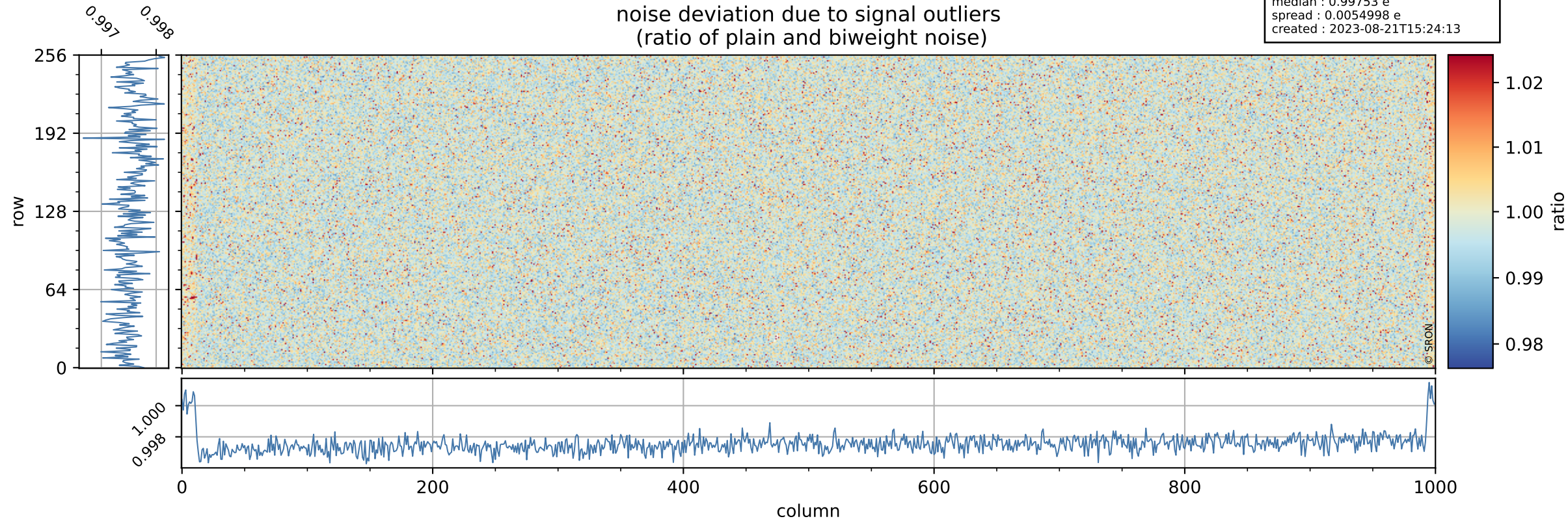




# Tropomi SWIR background noise (swir)

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

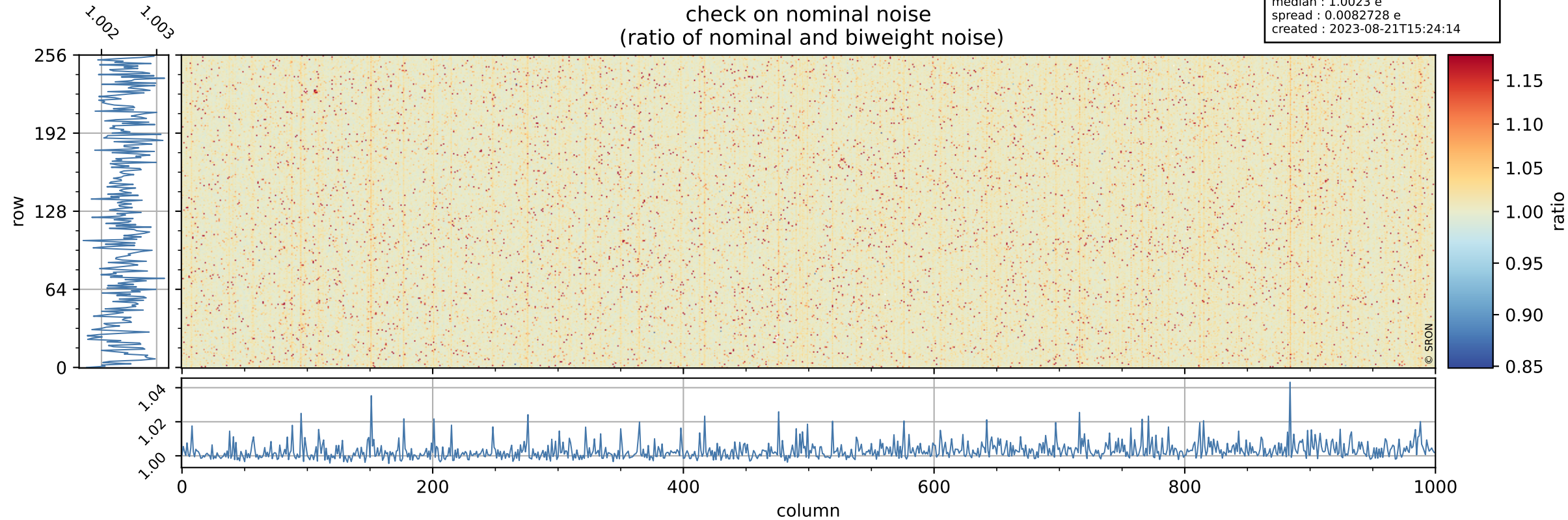
orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
median : 0.99753 e  
spread : 0.0054998 e  
created : 2023-08-21T15:24:13



# Tropomi SWIR background noise (swir)

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

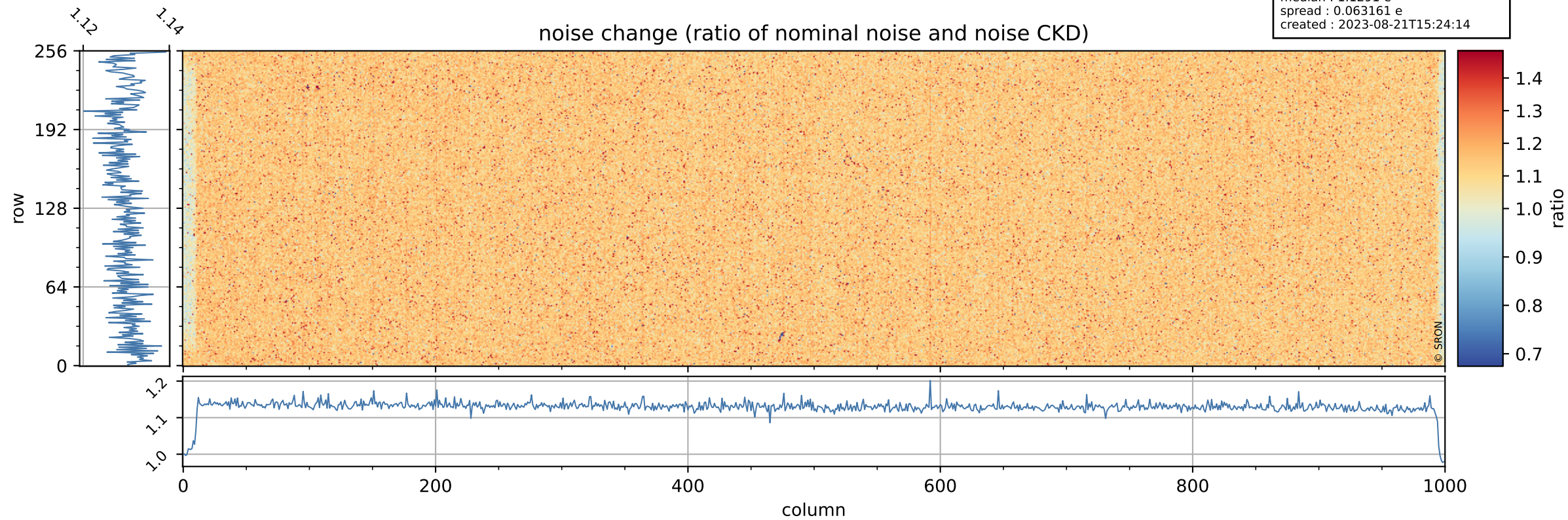
orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
median : 1.0023 e  
spread : 0.0082728 e  
created : 2023-08-21T15:24:14





# Tropomi SWIR background noise (swir)

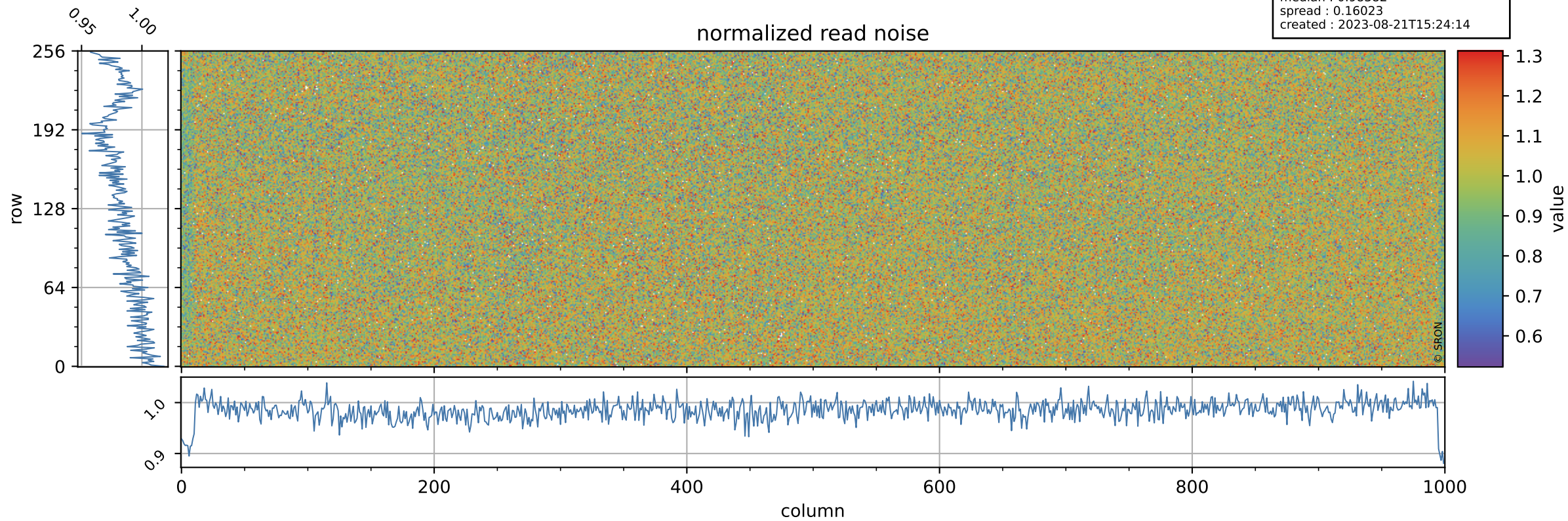
orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
median : 1.1291 e  
spread : 0.063161 e  
created : 2023-08-21T15:24:14





# Tropomi SWIR background noise (swir)

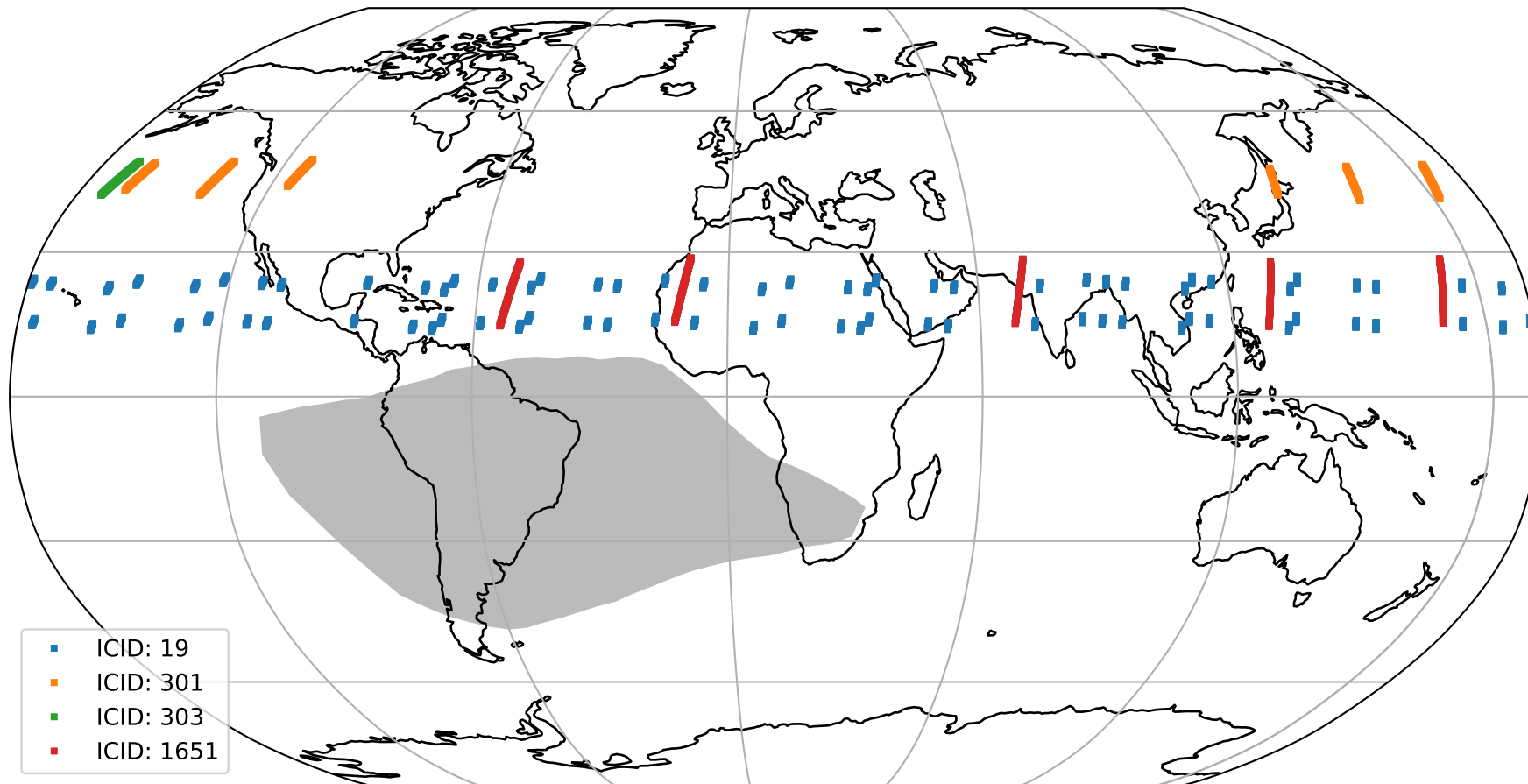
orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
median : 0.98382  
spread : 0.16023  
created : 2023-08-21T15:24:14





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

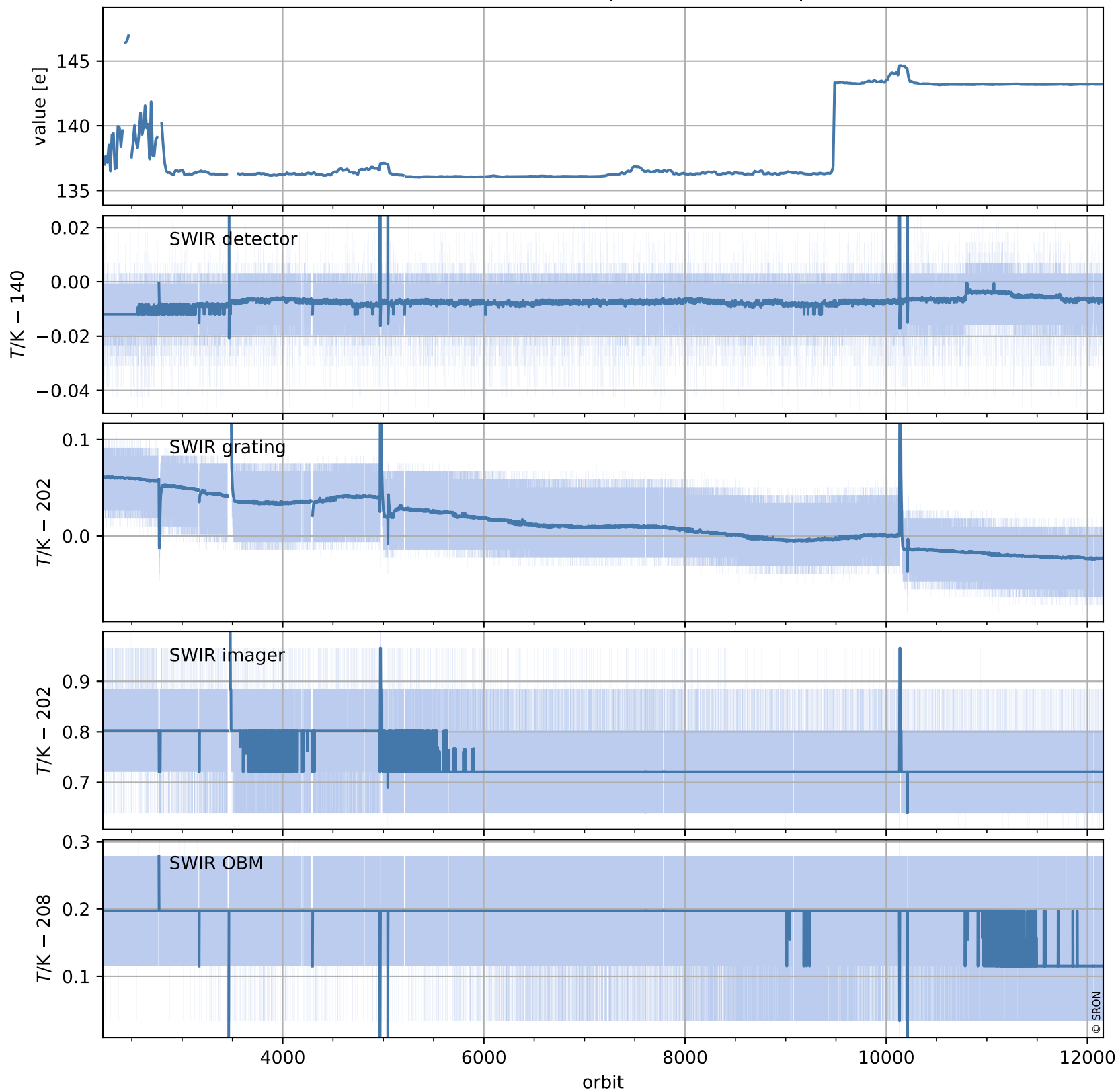
orbits : 12 in [12082, 12157]  
coverage : 2020-02-11 / 2020-02-16  
created : 2023-08-21T15:24:14



# Tropomi SWIR background noise (swir)

orbits : [2212, 12157]  
coverage : 2018-03-18 / 2020-02-16  
created : 2023-08-21T15:24:15

## trend of detector median of plain noise & temperatures

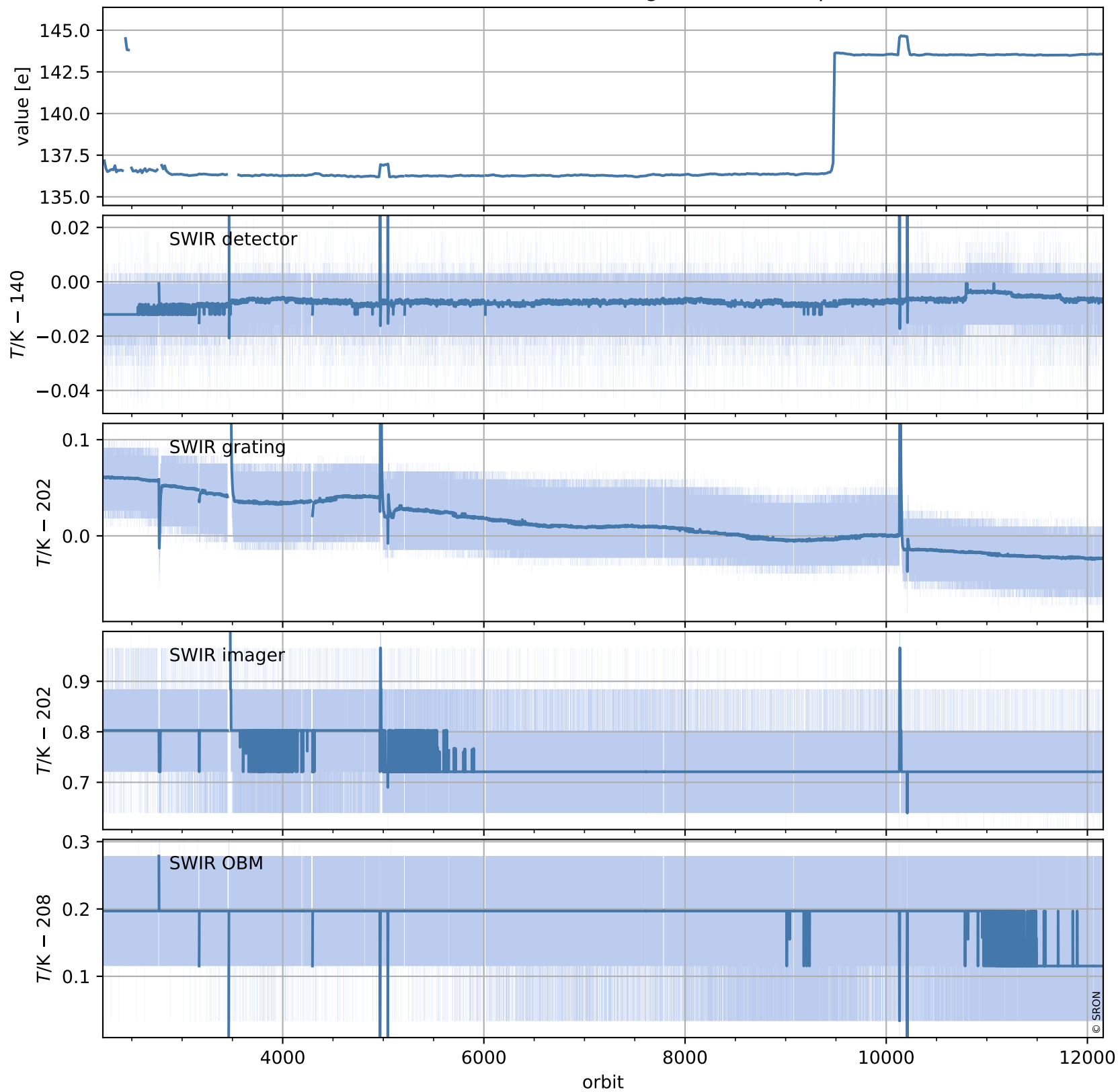




# Tropomi SWIR background noise (swir)

orbits : [2212, 12157]  
coverage : 2018-03-18 / 2020-02-16  
created : 2023-08-21T15:24:15

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12157]  
coverage : 2018-03-18 / 2020-02-16  
created : 2023-08-21T15:24:16

## trend of normalized read-noise & temperatures

