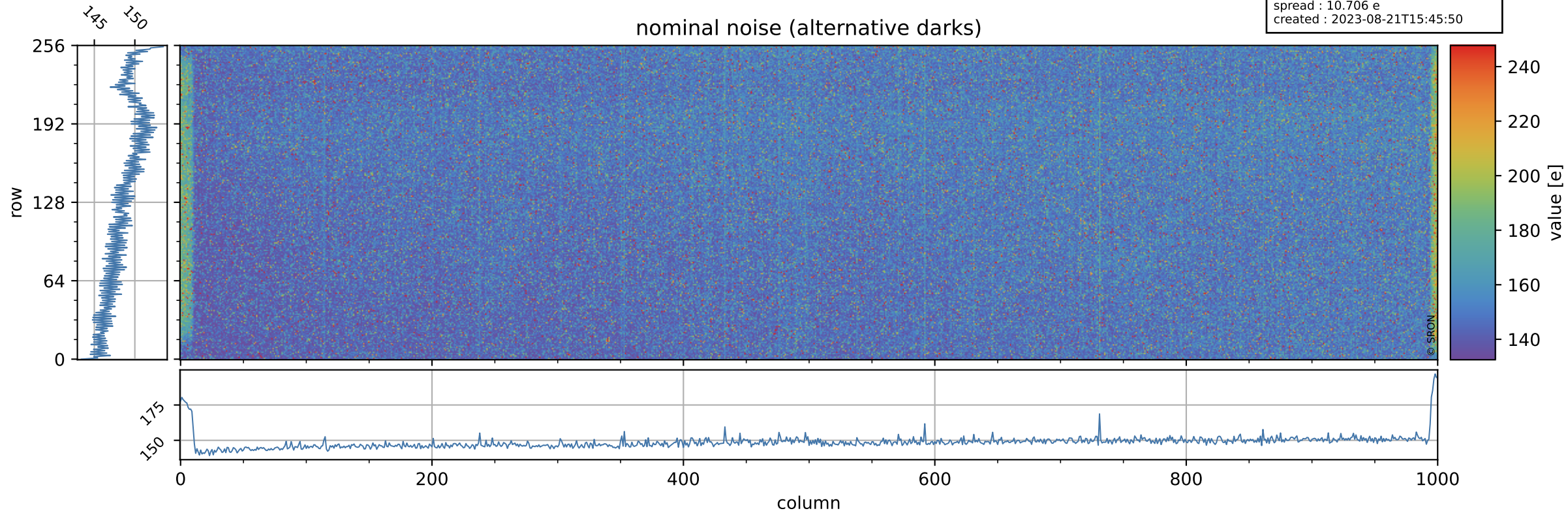


# Tropomi SWIR background noise (swir)

orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.47 e  
spread : 10.706 e  
created : 2023-08-21T15:45:50

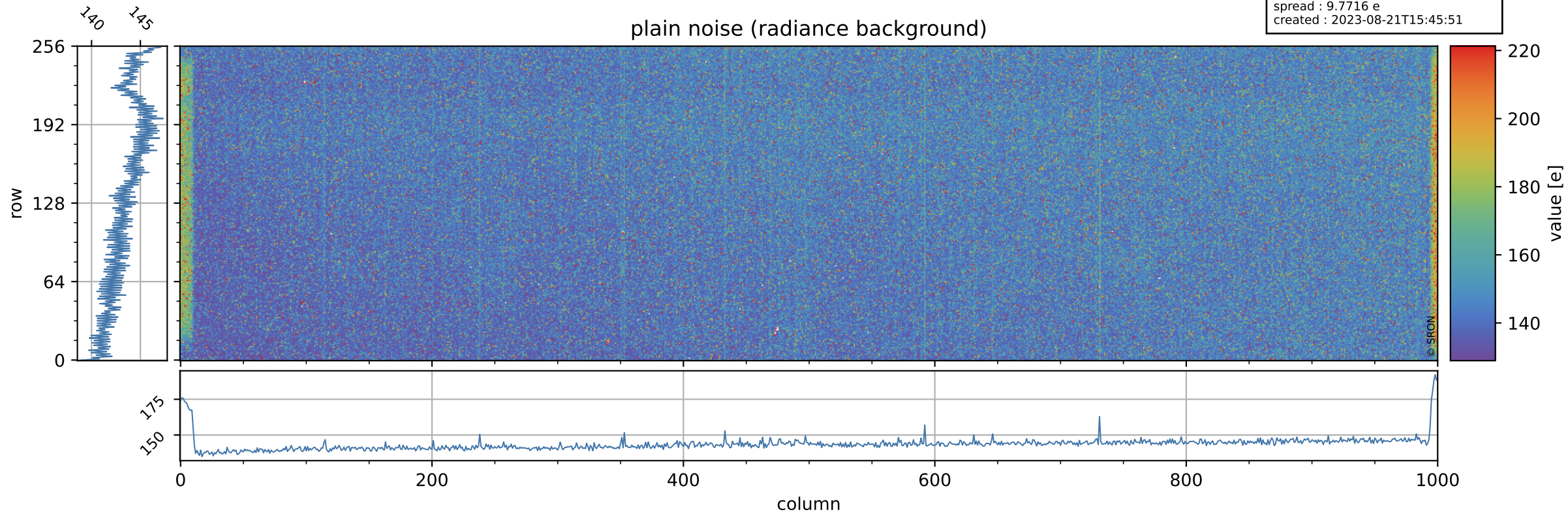
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.7716 e  
created : 2023-08-21T15:45:51

## plain noise (radiance background)

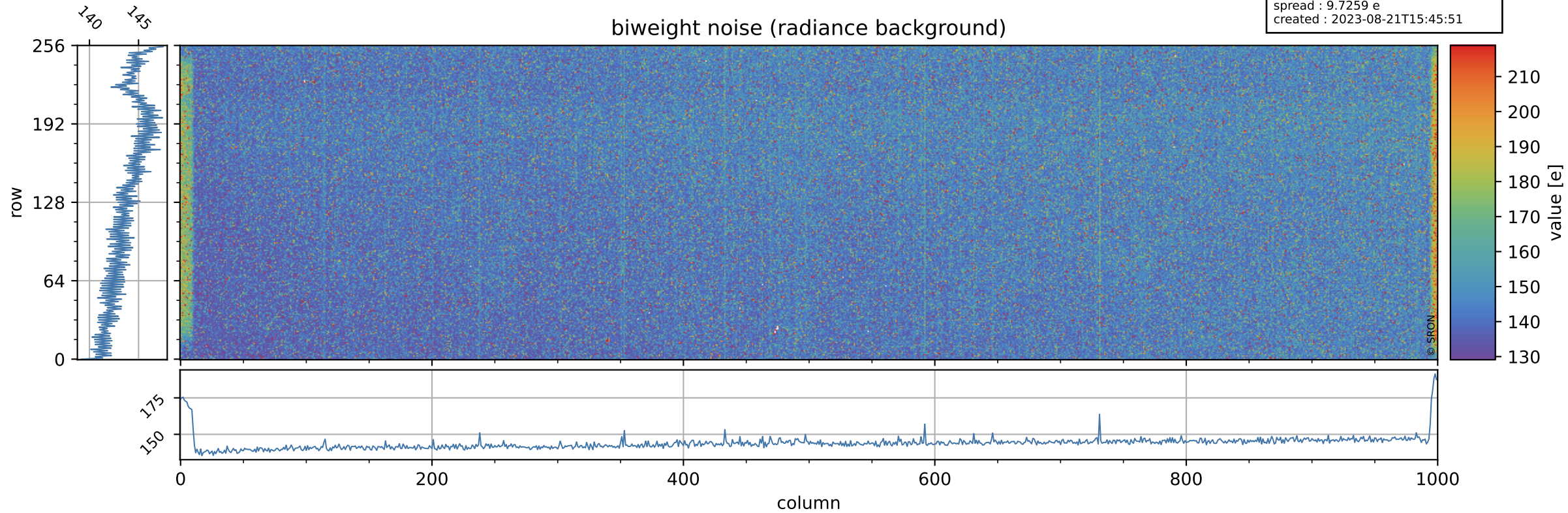




# Tropomi SWIR background noise (swir)

orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.7259 e  
created : 2023-08-21T15:45:51

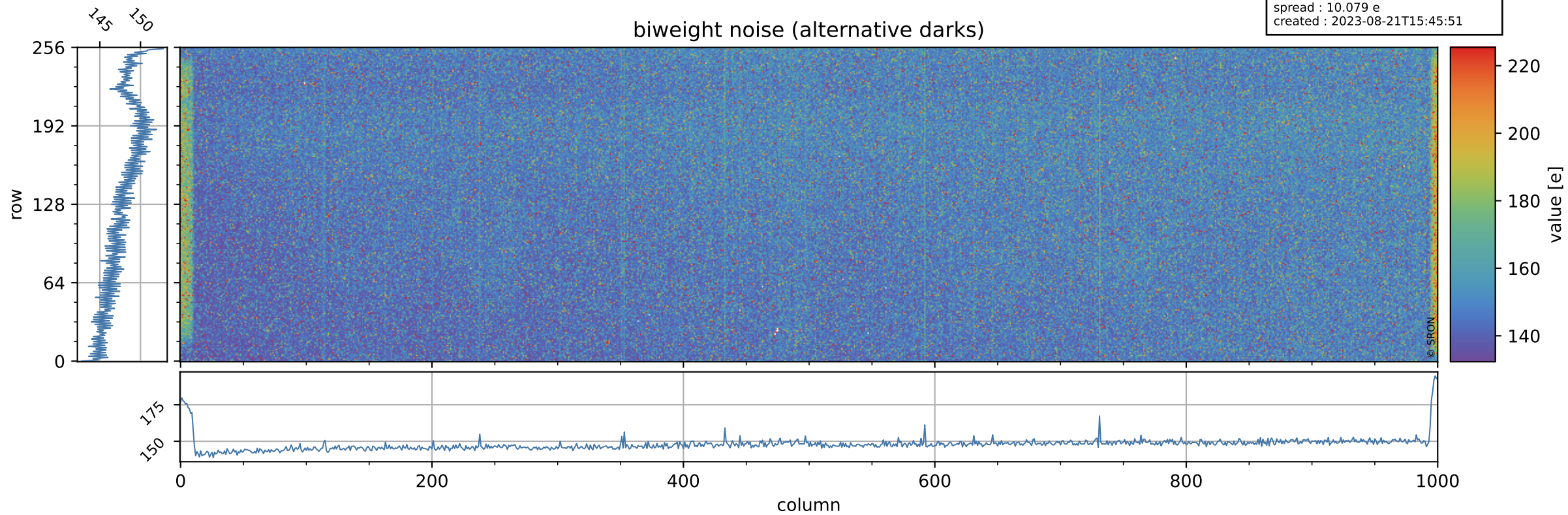
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.079 e  
created : 2023-08-21T15:45:51

## biweight noise (alternative darks)

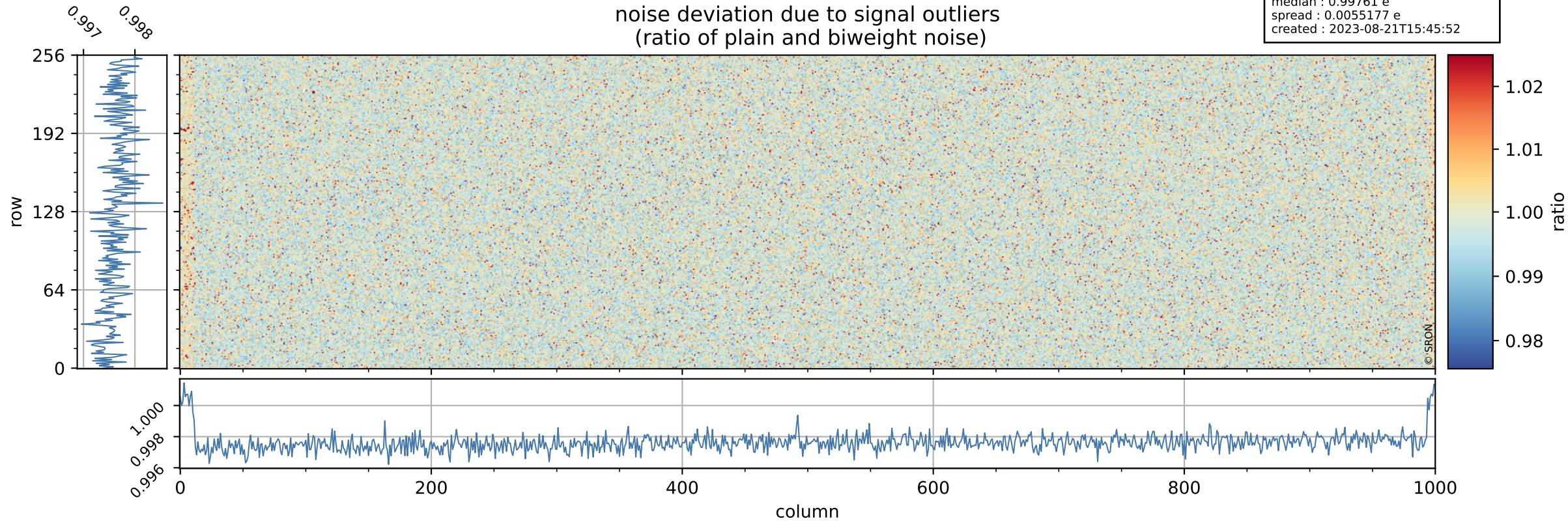




# Tropomi SWIR background noise (swir)

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

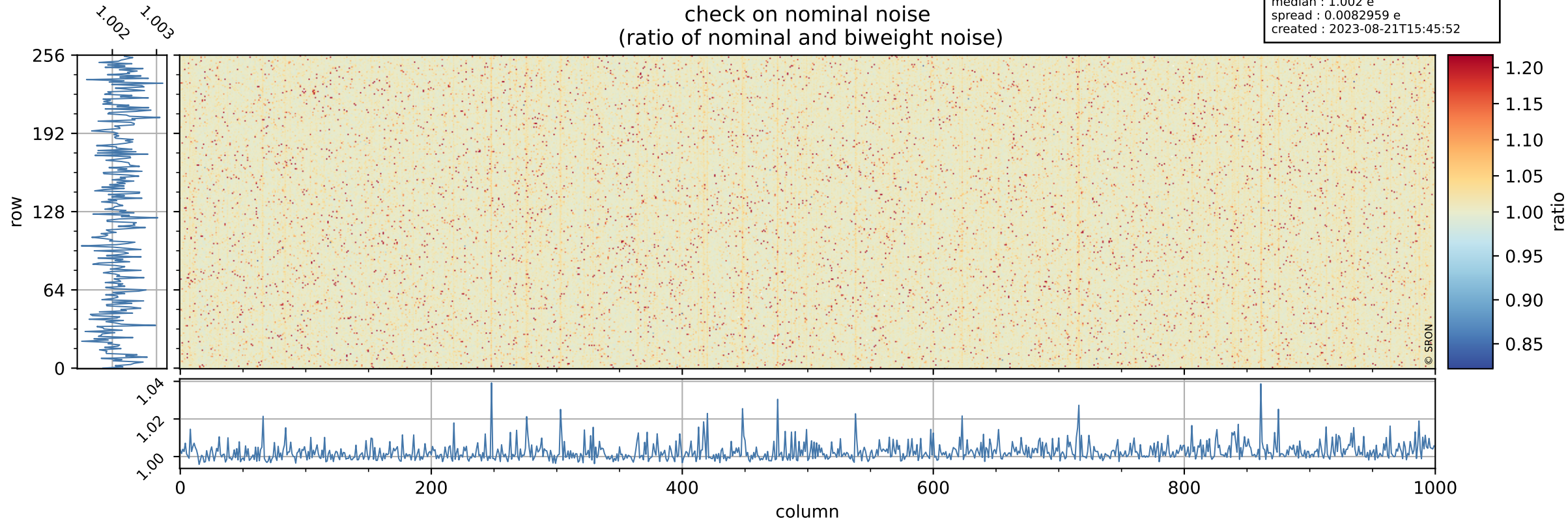
orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
median : 0.99761 e  
spread : 0.0055177 e  
created : 2023-08-21T15:45:52



# Tropomi SWIR background noise (swir)

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

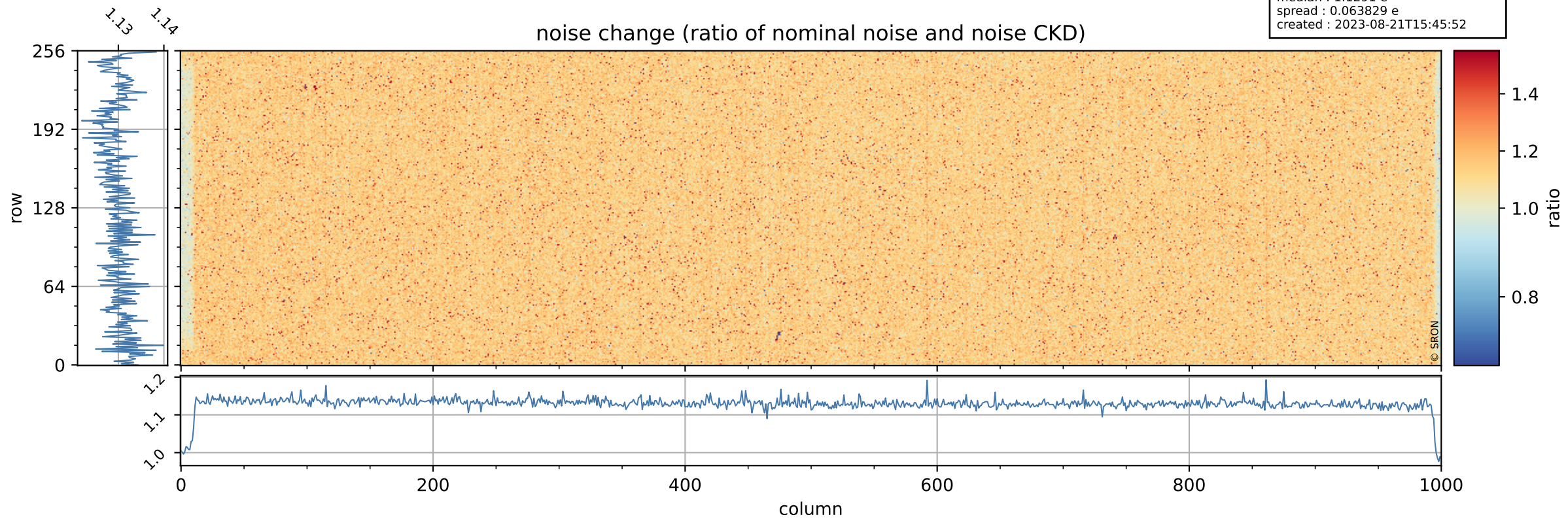
orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
median : 1.002 e  
spread : 0.0082959 e  
created : 2023-08-21T15:45:52





# Tropomi SWIR background noise (swir)

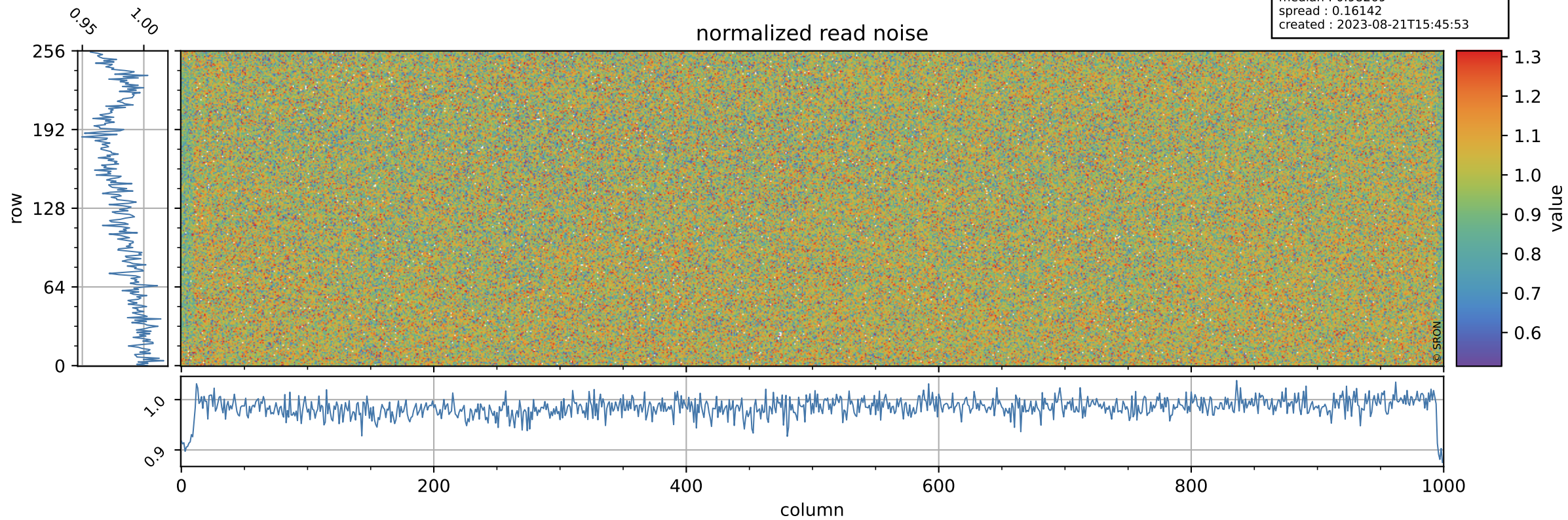
orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
median : 1.1291 e  
spread : 0.063829 e  
created : 2023-08-21T15:45:52





# Tropomi SWIR background noise (swir)

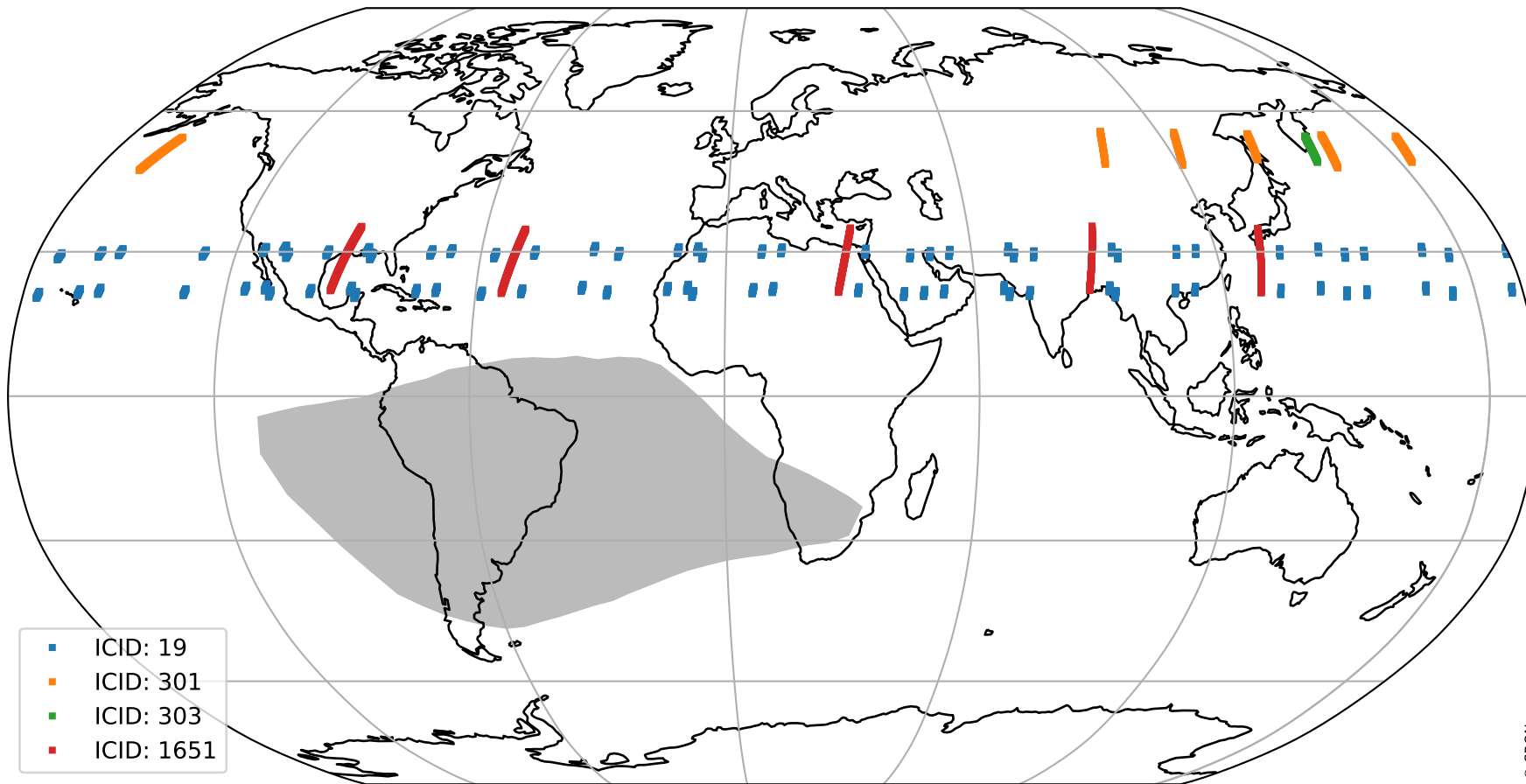
orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
median : 0.98269  
spread : 0.16142  
created : 2023-08-21T15:45:53





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

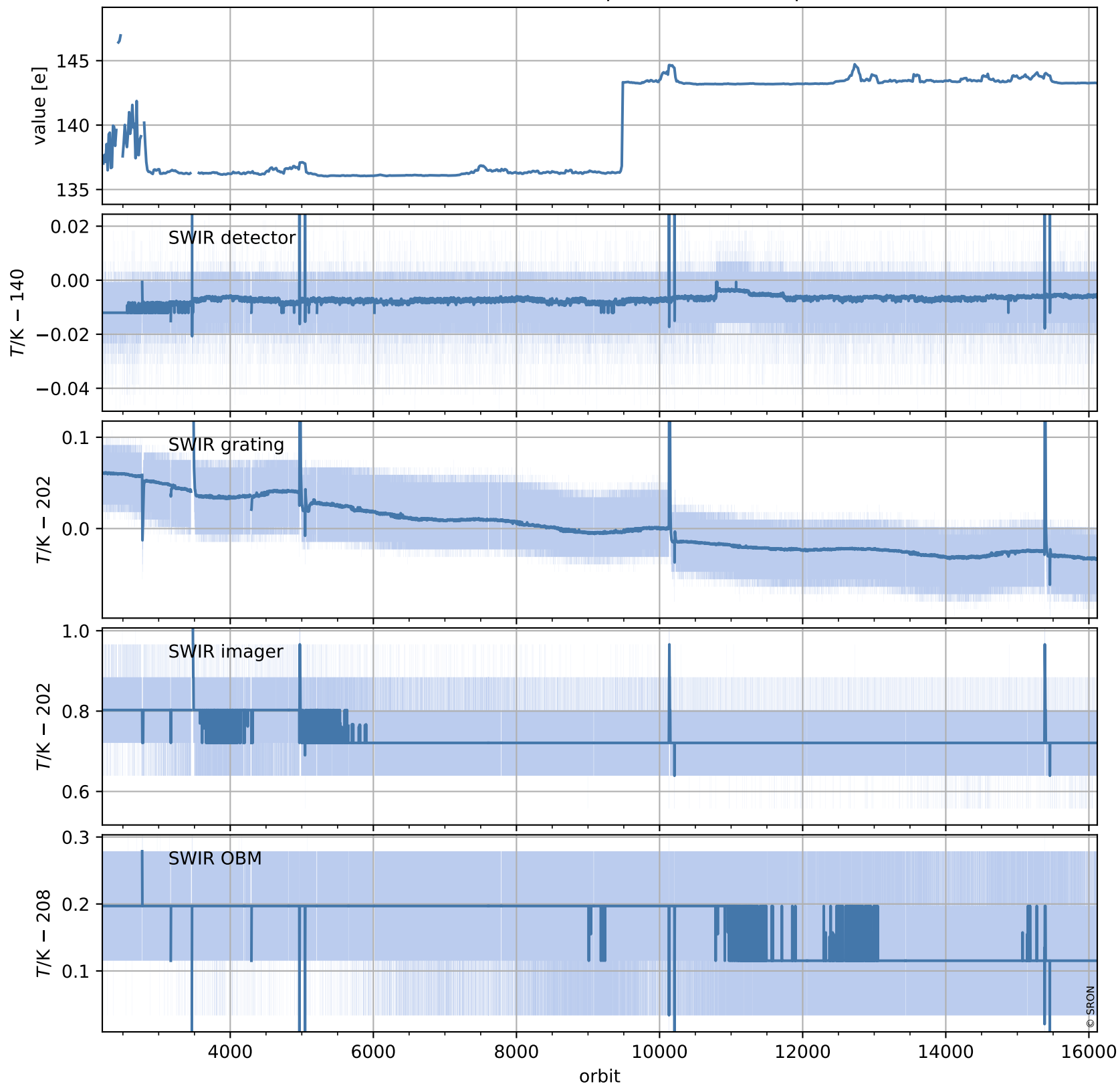
orbits : 12 in [16042, 16117]  
coverage : 2020-11-16 / 2020-11-21  
created : 2023-08-21T15:45:53



# Tropomi SWIR background noise (swir)

orbits : [2212, 16117]  
coverage : 2018-03-18 / 2020-11-21  
created : 2023-08-21T15:45:53

## trend of detector median of plain noise & temperatures

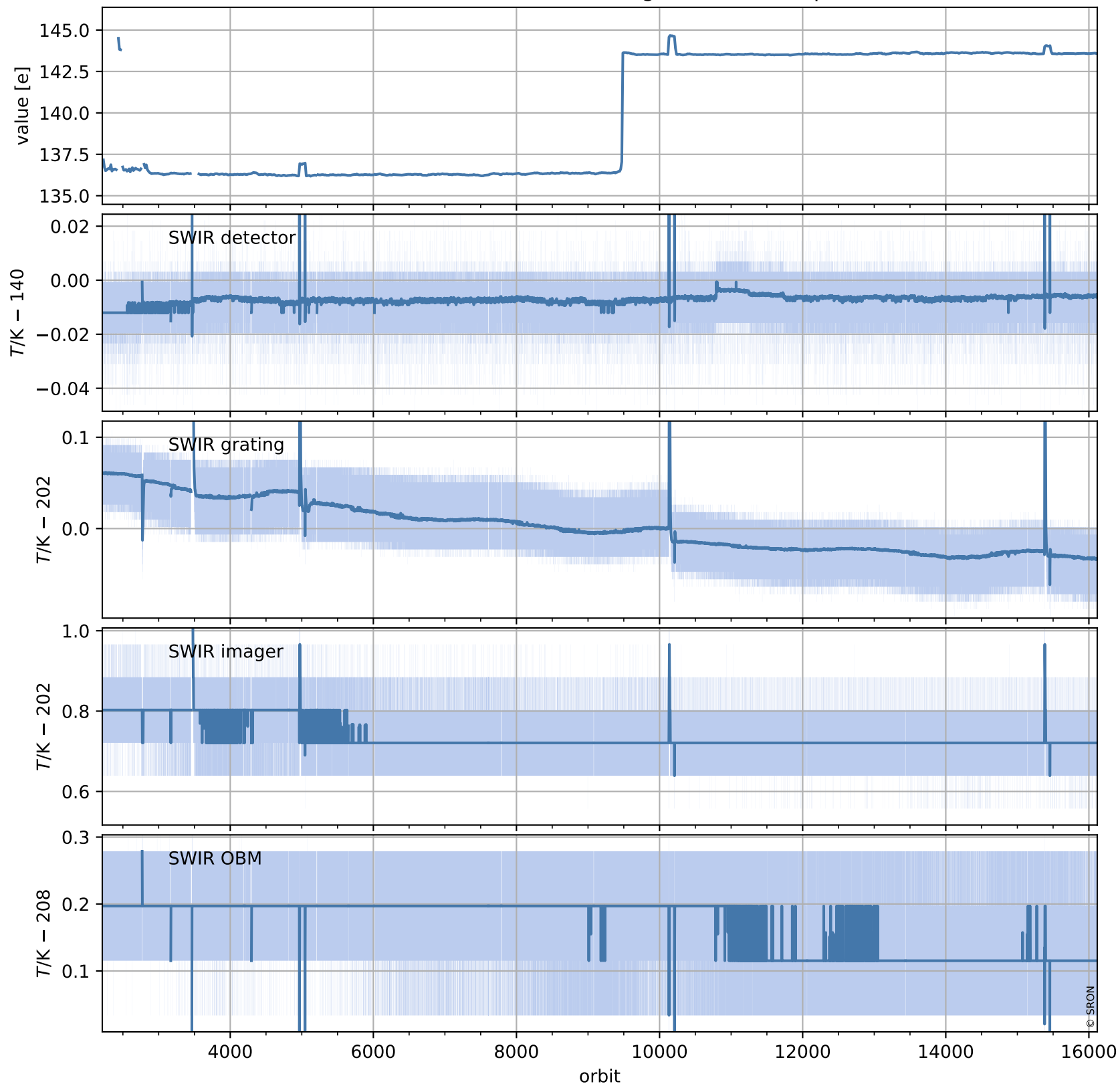




# Tropomi SWIR background noise (swir)

orbits : [2212, 16117]  
coverage : 2018-03-18 / 2020-11-21  
created : 2023-08-21T15:45:54

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16117]  
coverage : 2018-03-18 / 2020-11-21  
created : 2023-08-21T15:45:54

## trend of normalized read-noise & temperatures

