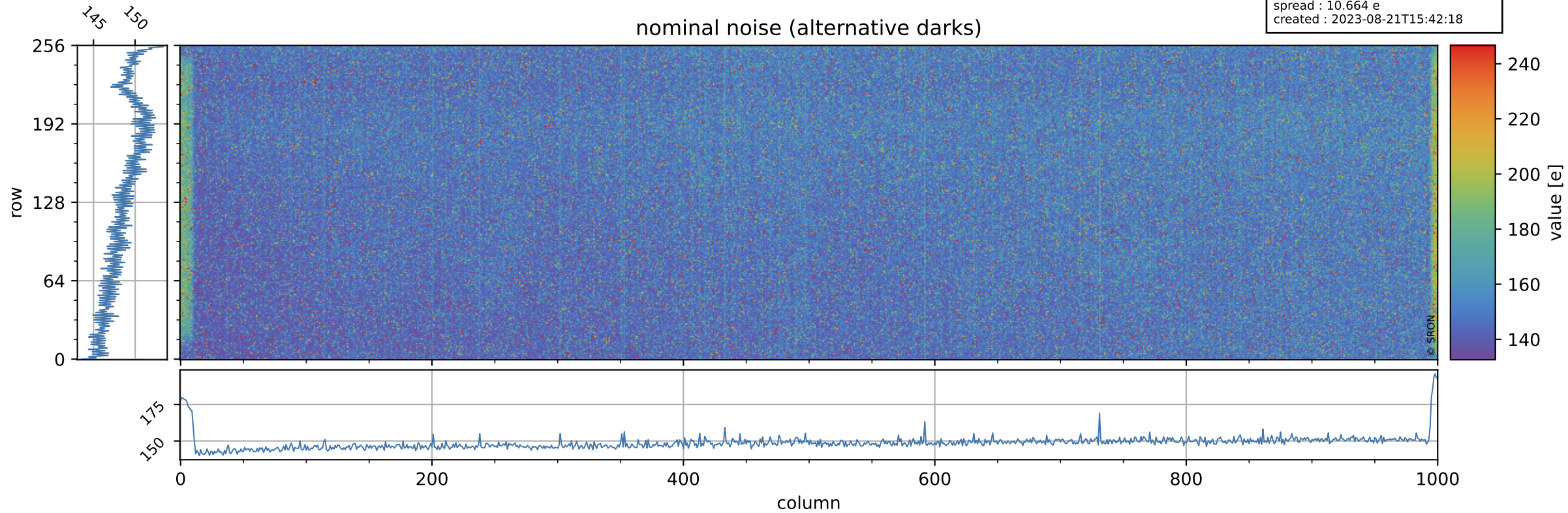


# Tropomi SWIR background noise (swir)

orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.664 e  
created : 2023-08-21T15:42:18

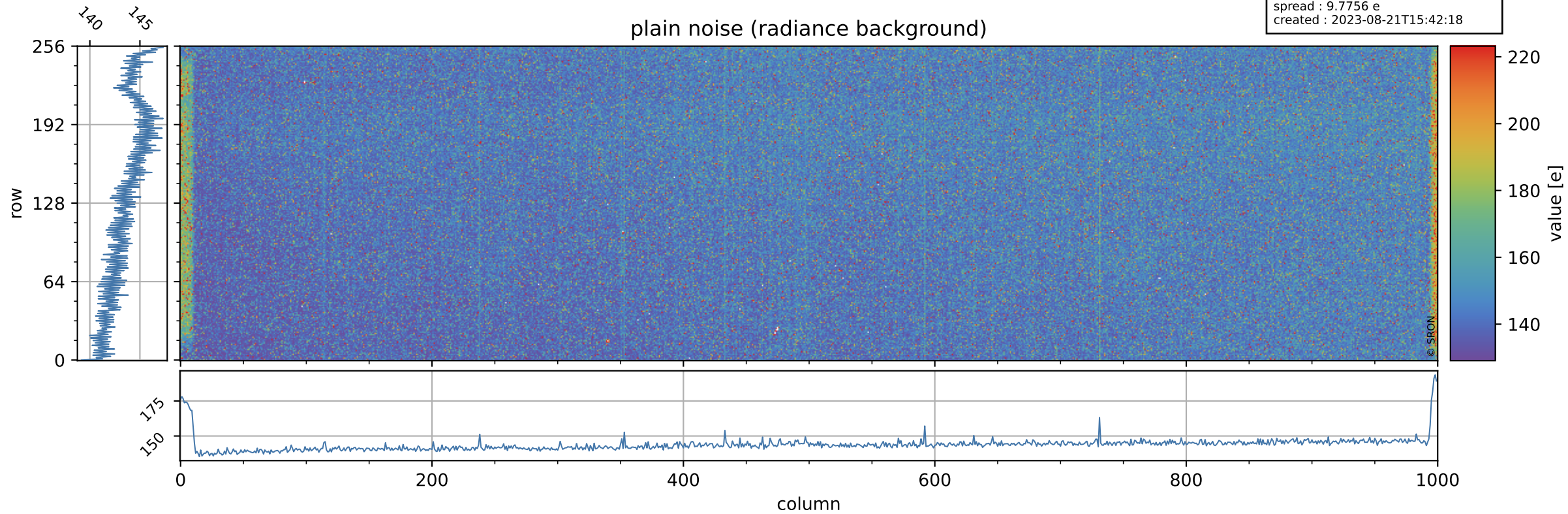
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.54 e  
spread : 9.7756 e  
created : 2023-08-21T15:42:18

plain noise (radiance background)

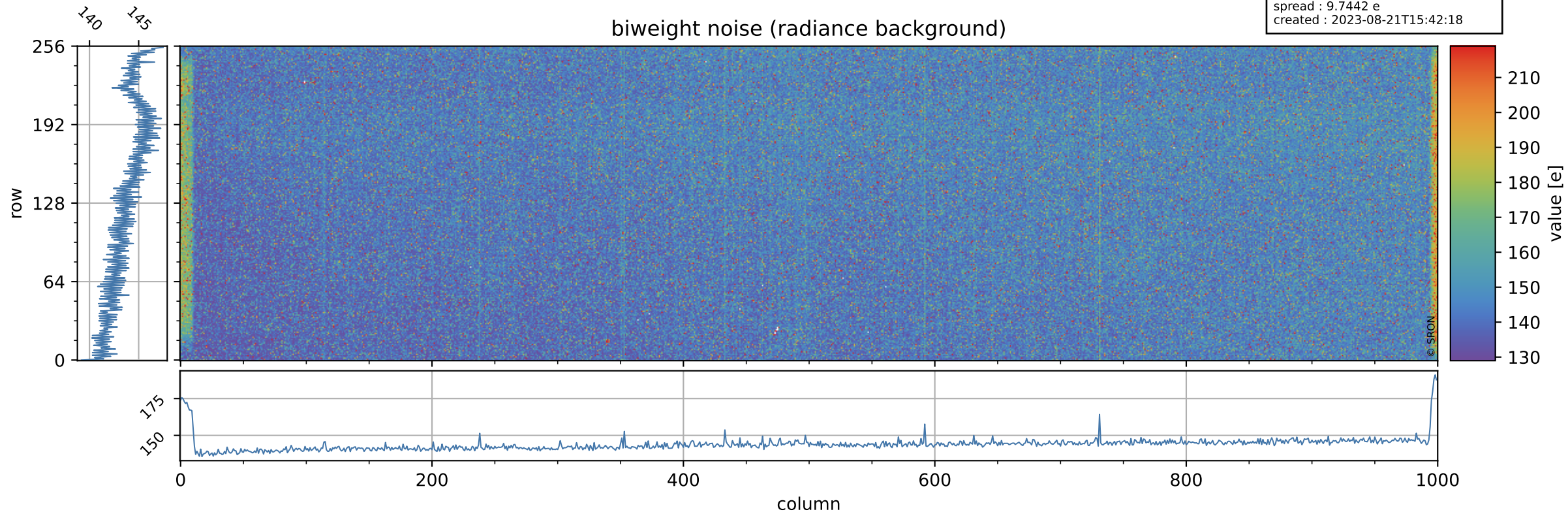




# Tropomi SWIR background noise (swir)

orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.7442 e  
created : 2023-08-21T15:42:18

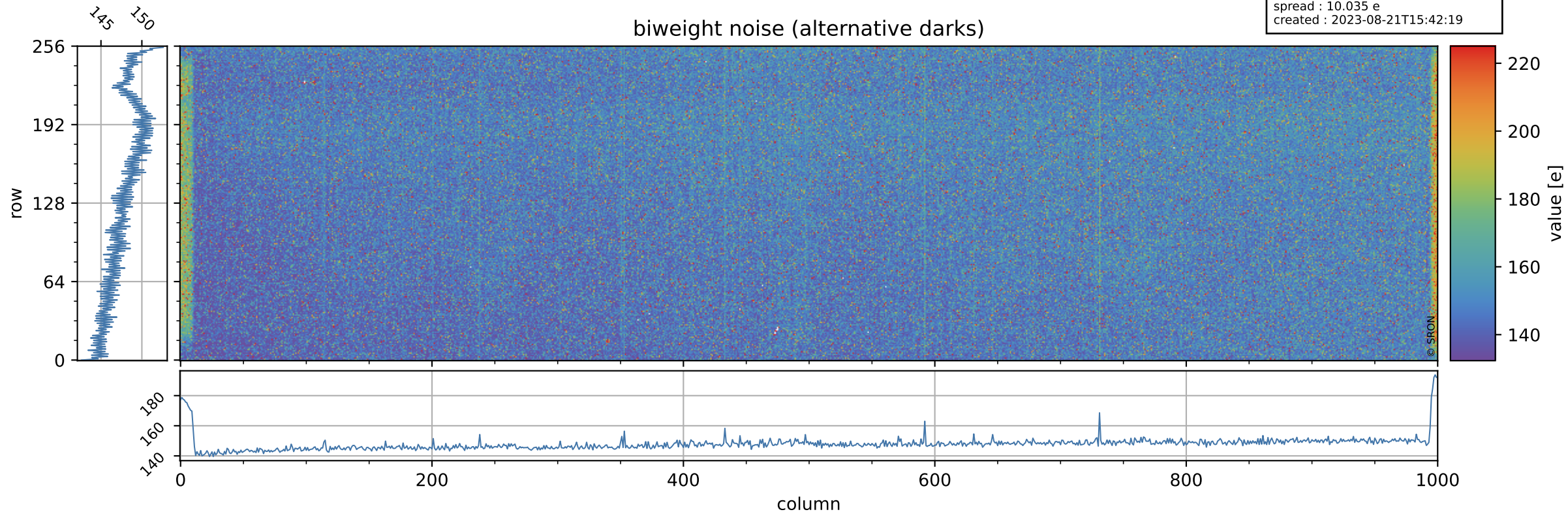
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.035 e  
created : 2023-08-21T15:42:19

## biweight noise (alternative darks)

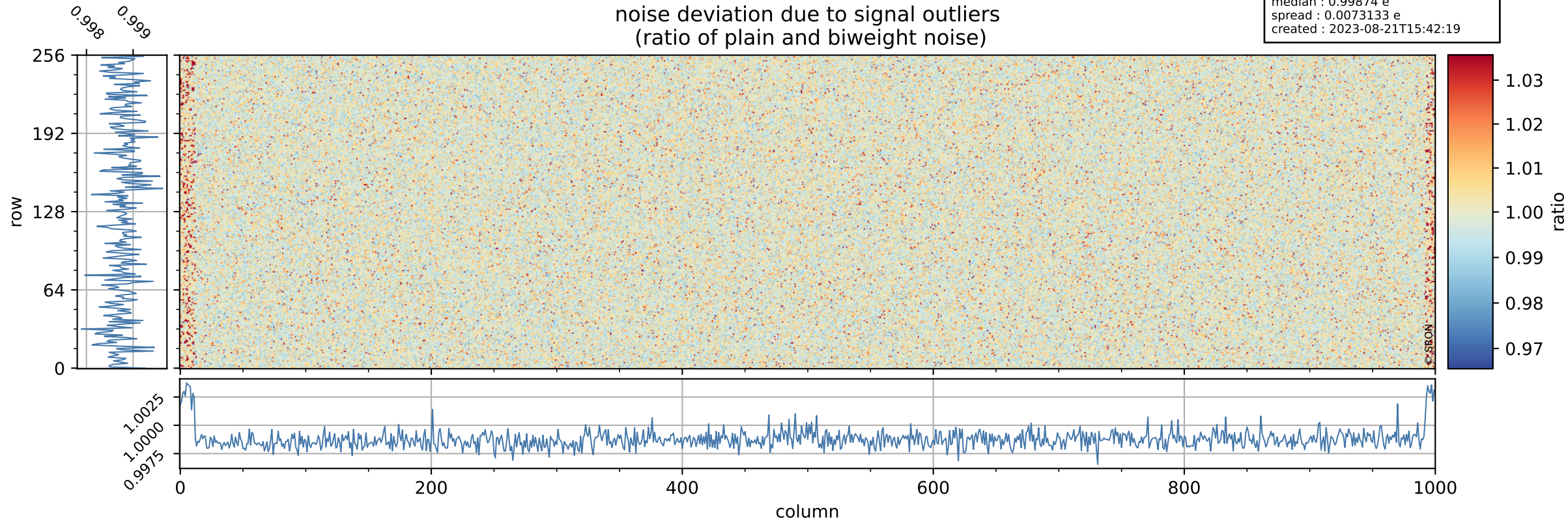




# Tropomi SWIR background noise (swir)

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

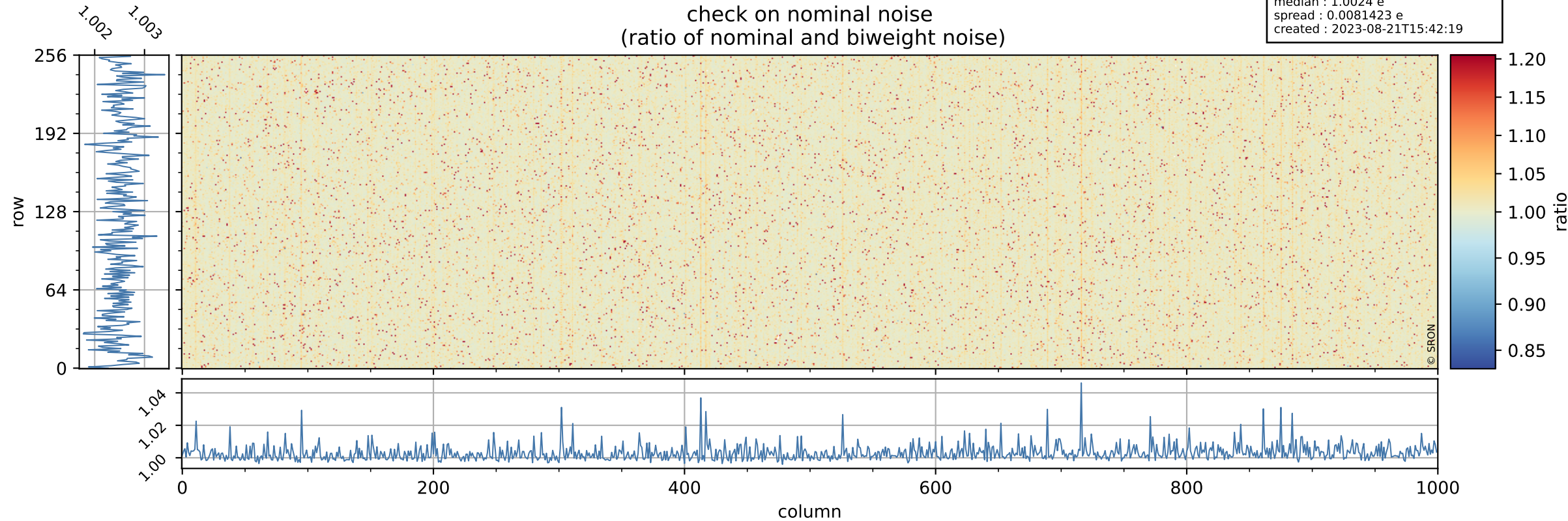
orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
median : 0.99874 e  
spread : 0.0073133 e  
created : 2023-08-21T15:42:19



# Tropomi SWIR background noise (swir)

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

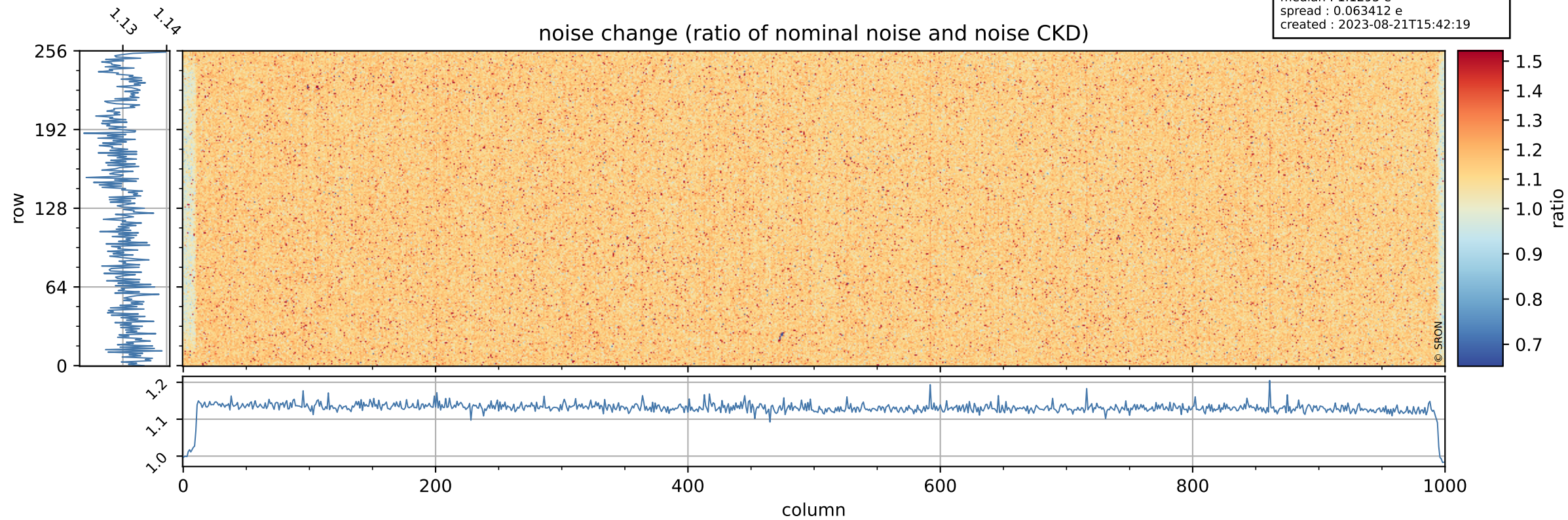
orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
median : 1.0024 e  
spread : 0.0081423 e  
created : 2023-08-21T15:42:19





# Tropomi SWIR background noise (swir)

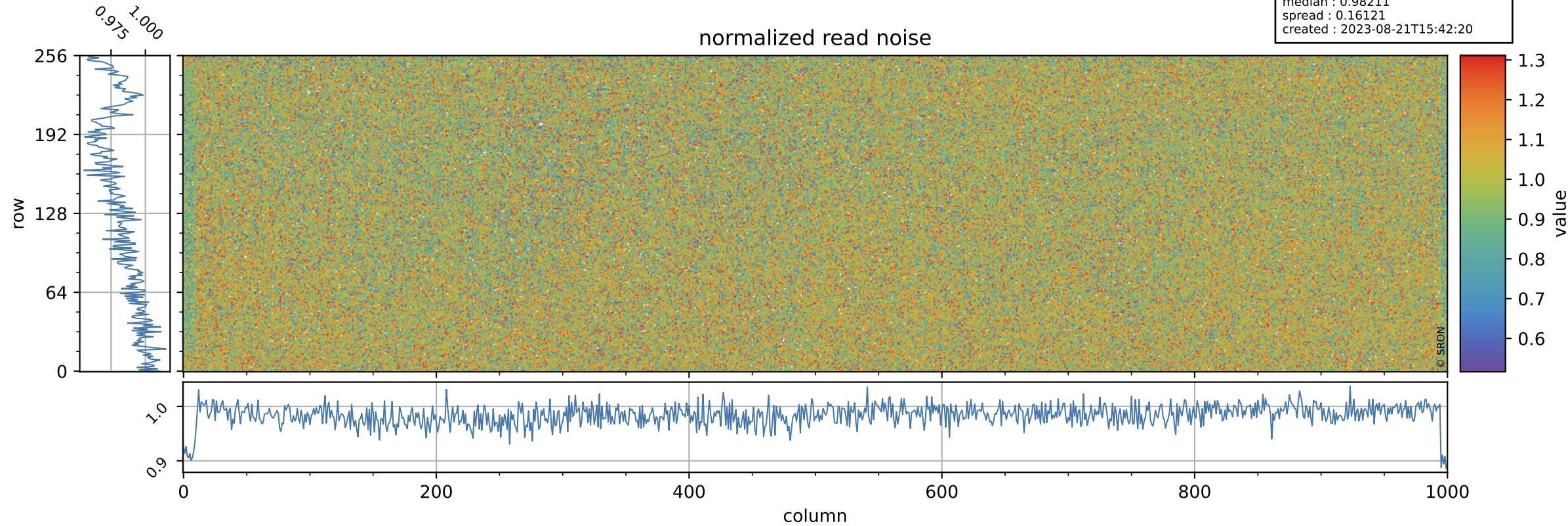
orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
median : 1.1295 e  
spread : 0.063412 e  
created : 2023-08-21T15:42:19





# Tropomi SWIR background noise (swir)

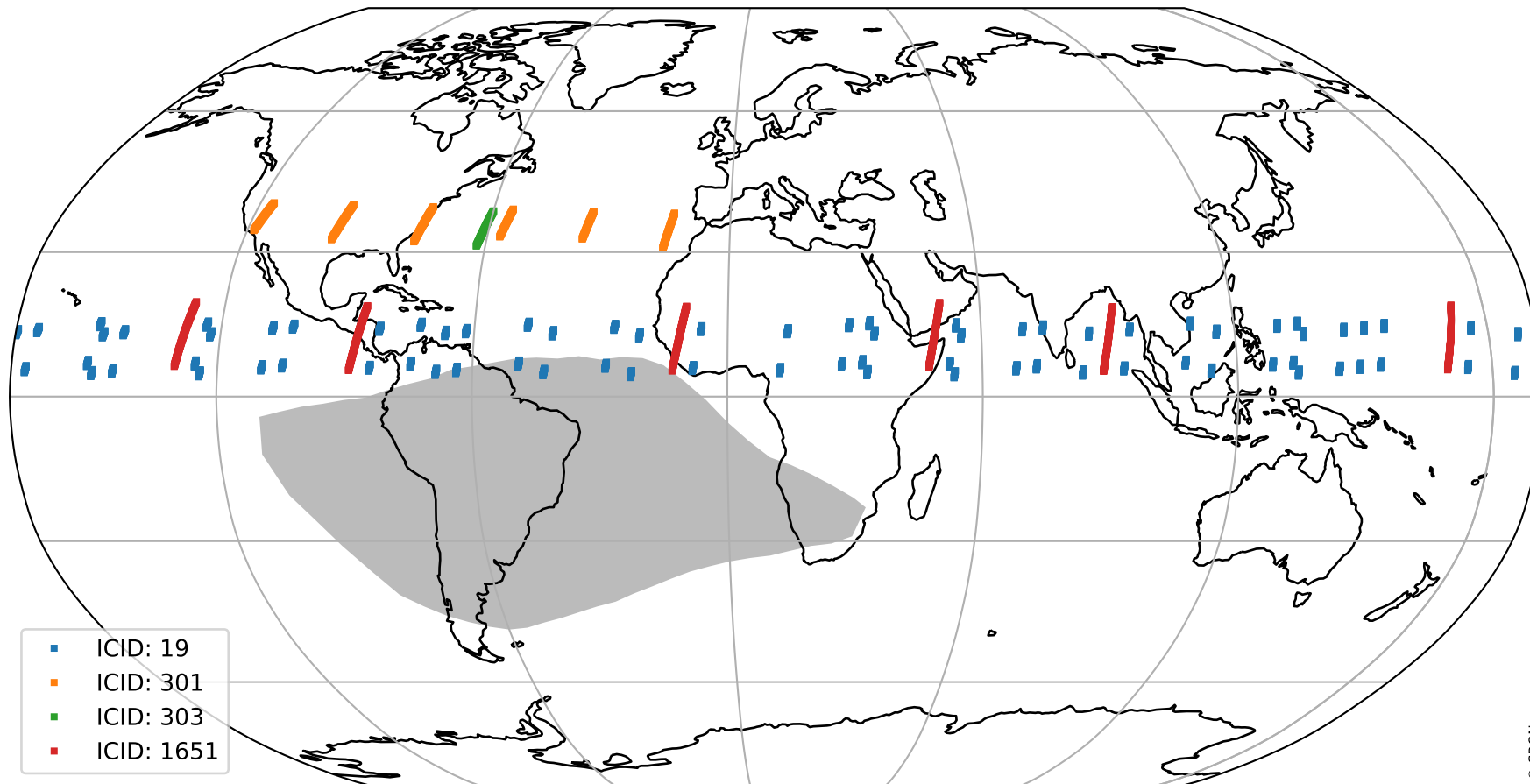
orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
median : 0.98211  
spread : 0.16121  
created : 2023-08-21T15:42:20





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

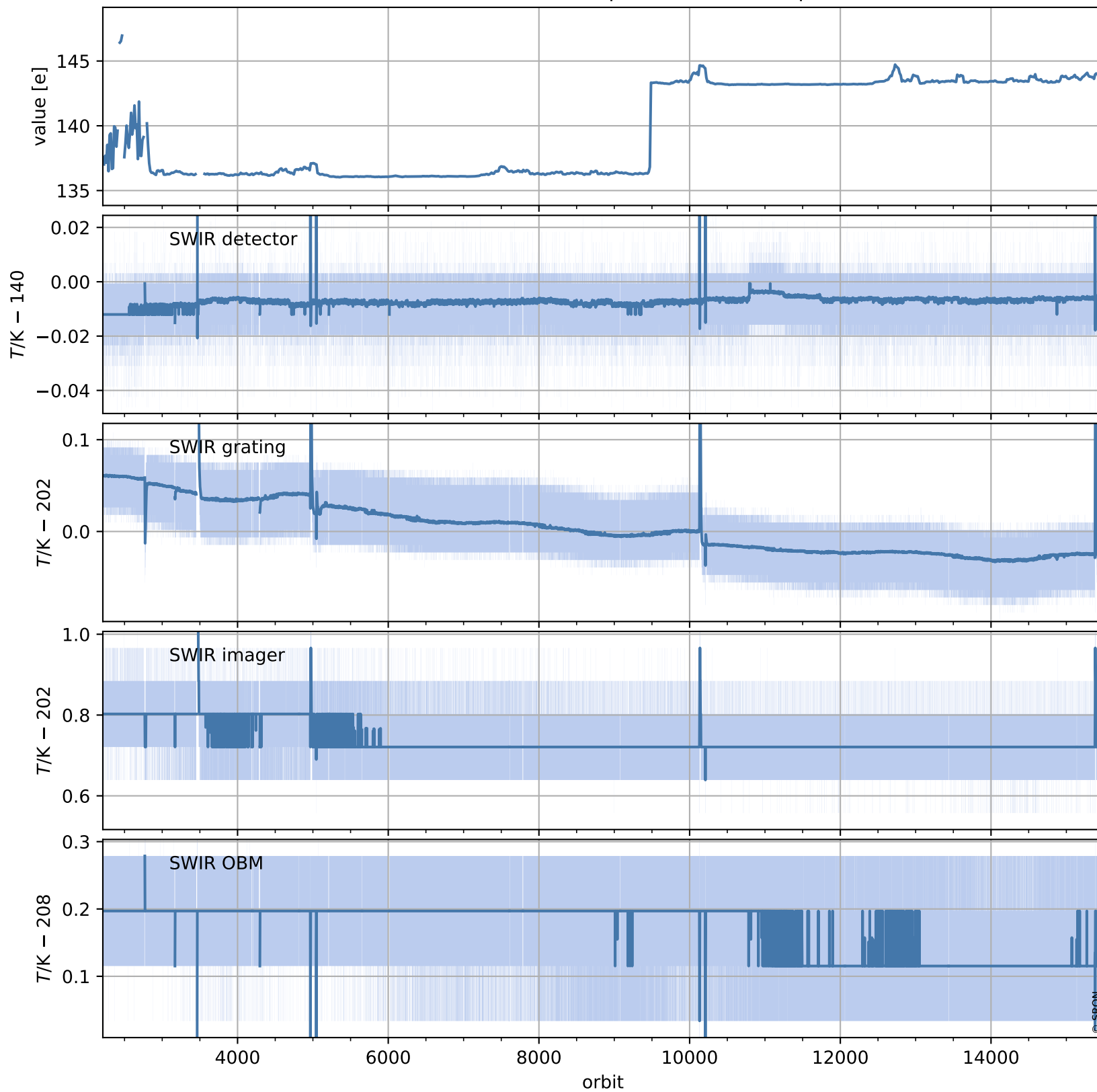
orbits : 13 in [15412, 15487]  
coverage : 2020-10-03 / 2020-10-08  
created : 2023-08-21T15:42:20



# Tropomi SWIR background noise (swir)

orbits : [2212, 15487]  
coverage : 2018-03-18 / 2020-10-08  
created : 2023-08-21T15:42:20

## trend of detector median of plain noise & temperatures

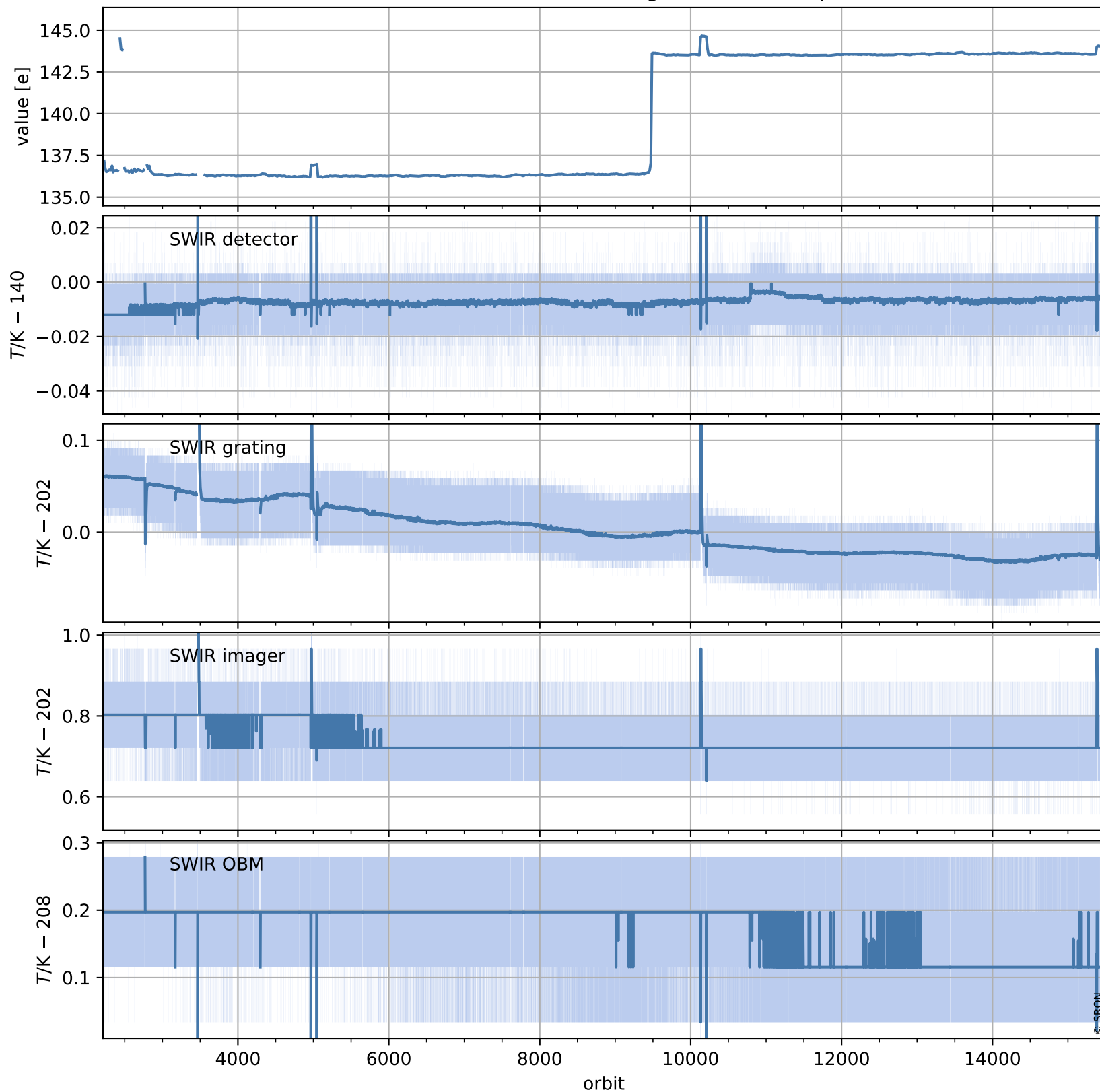




# Tropomi SWIR background noise (swir)

orbits : [2212, 15487]  
coverage : 2018-03-18 / 2020-10-08  
created : 2023-08-21T15:42:21

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15487]  
coverage : 2018-03-18 / 2020-10-08  
created : 2023-08-21T15:42:22

## trend of normalized read-noise & temperatures

