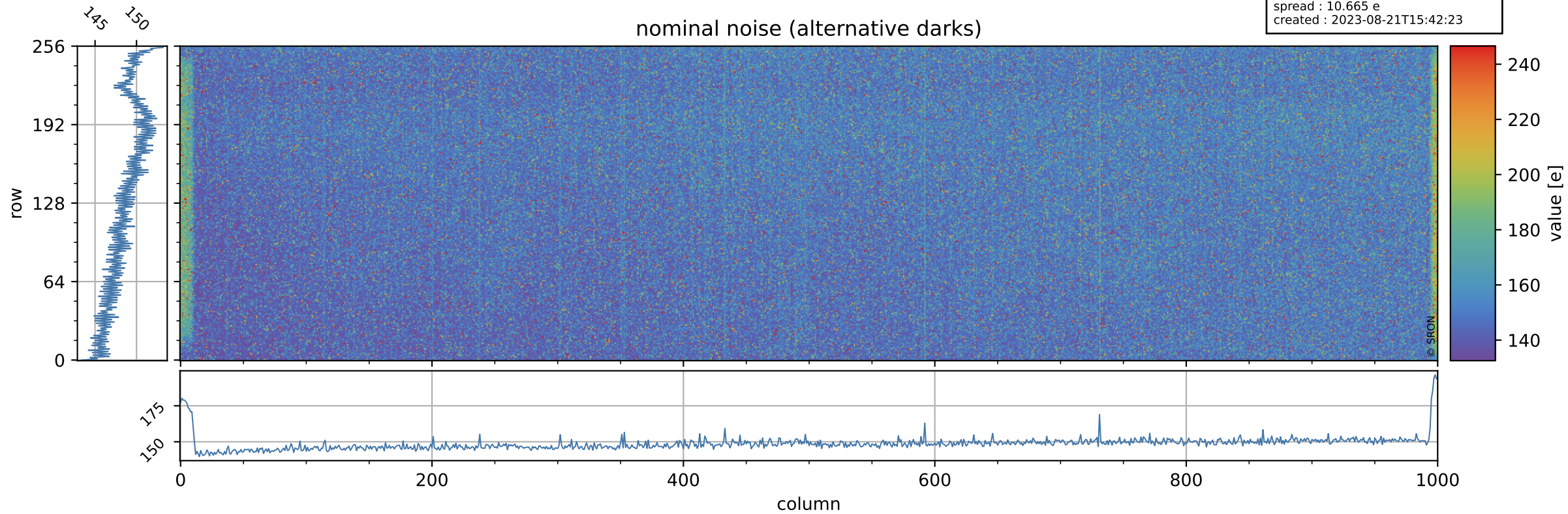


# Tropomi SWIR background noise (swir)

orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.665 e  
created : 2023-08-21T15:42:23

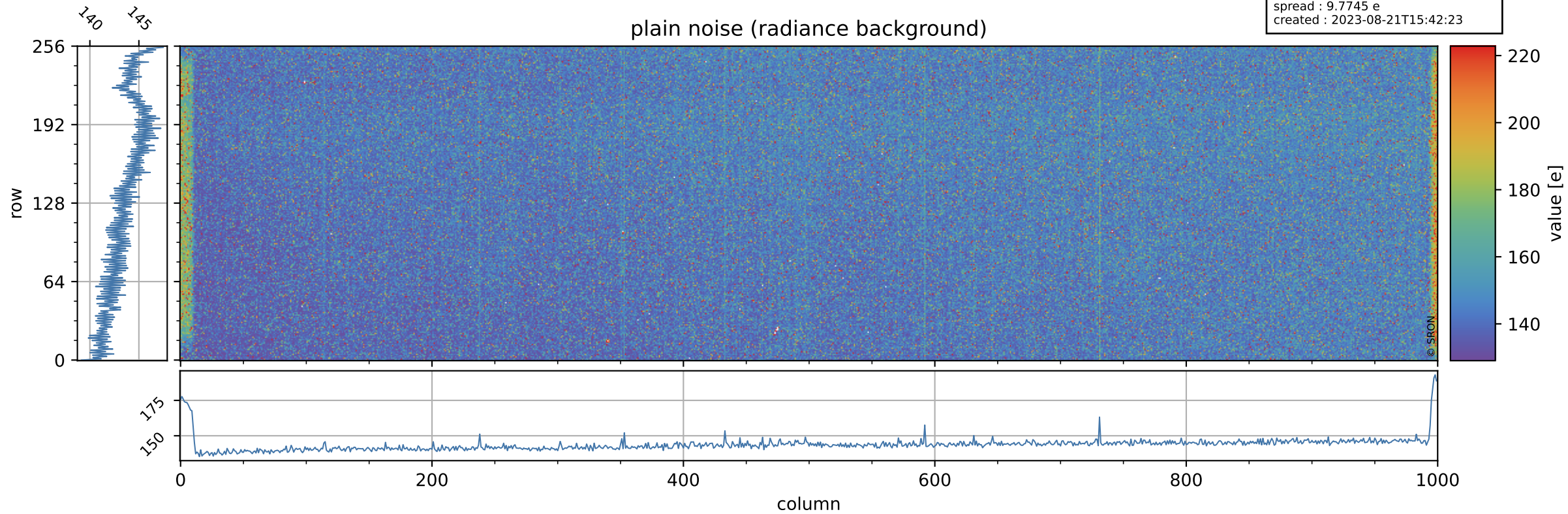
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.51 e  
spread : 9.7745 e  
created : 2023-08-21T15:42:23

plain noise (radiance background)

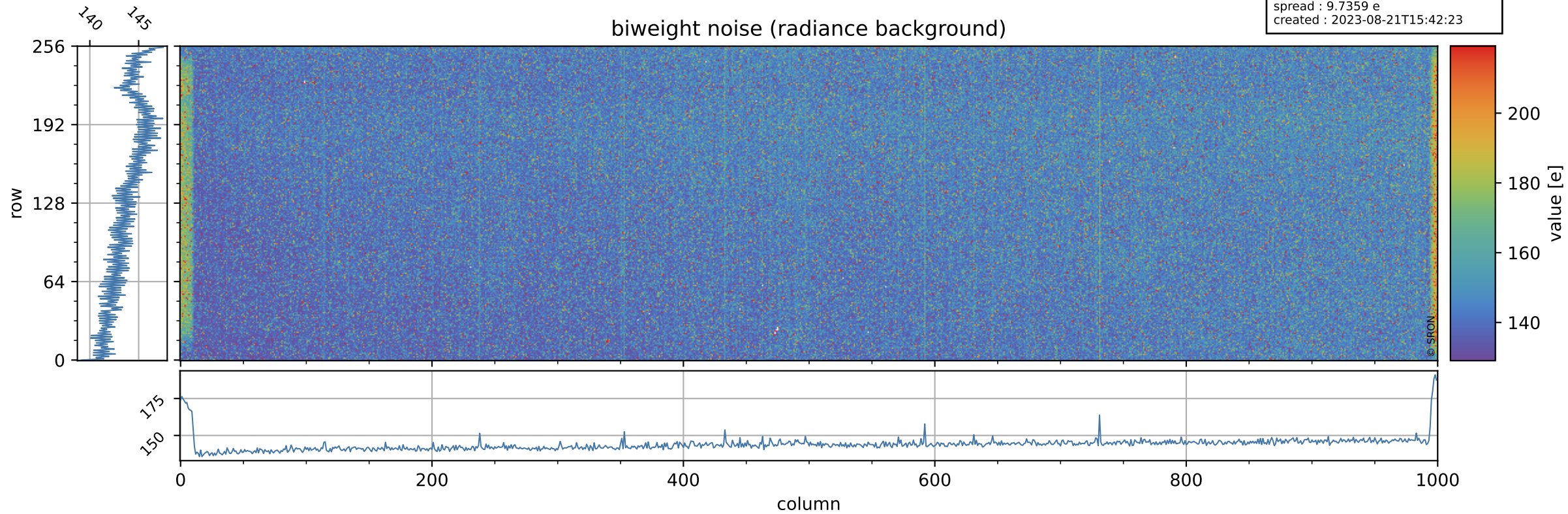




# Tropomi SWIR background noise (swir)

orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7359 e  
created : 2023-08-21T15:42:23

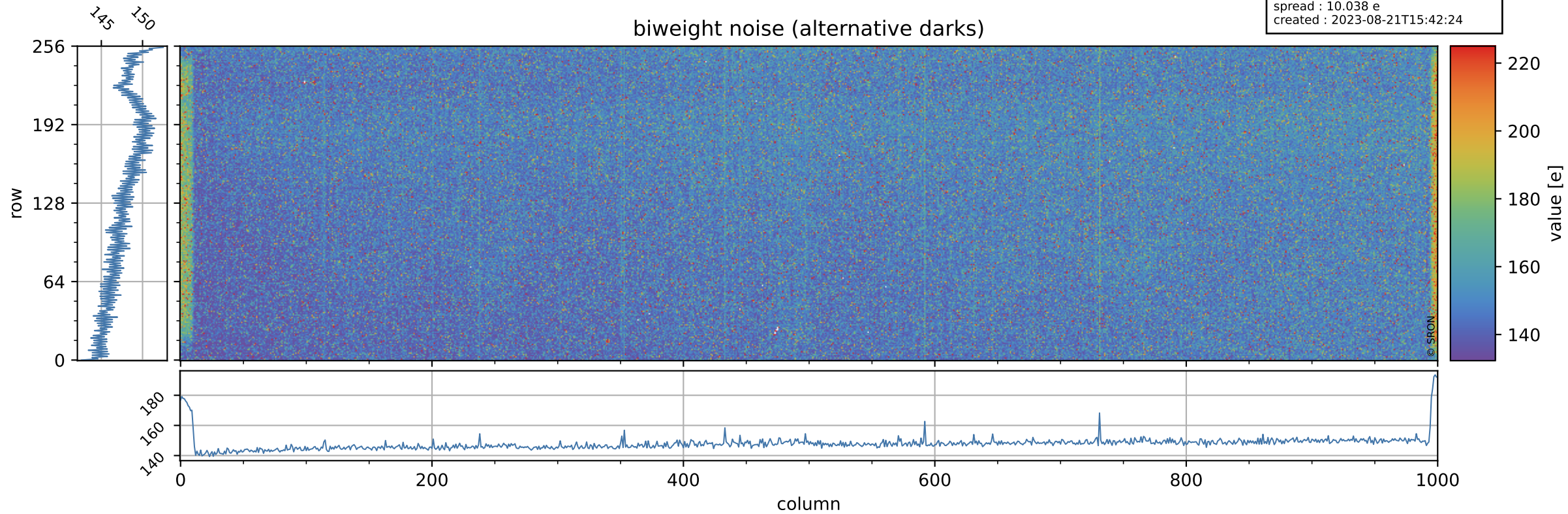
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 10.038 e  
created : 2023-08-21T15:42:24

## biweight noise (alternative darks)

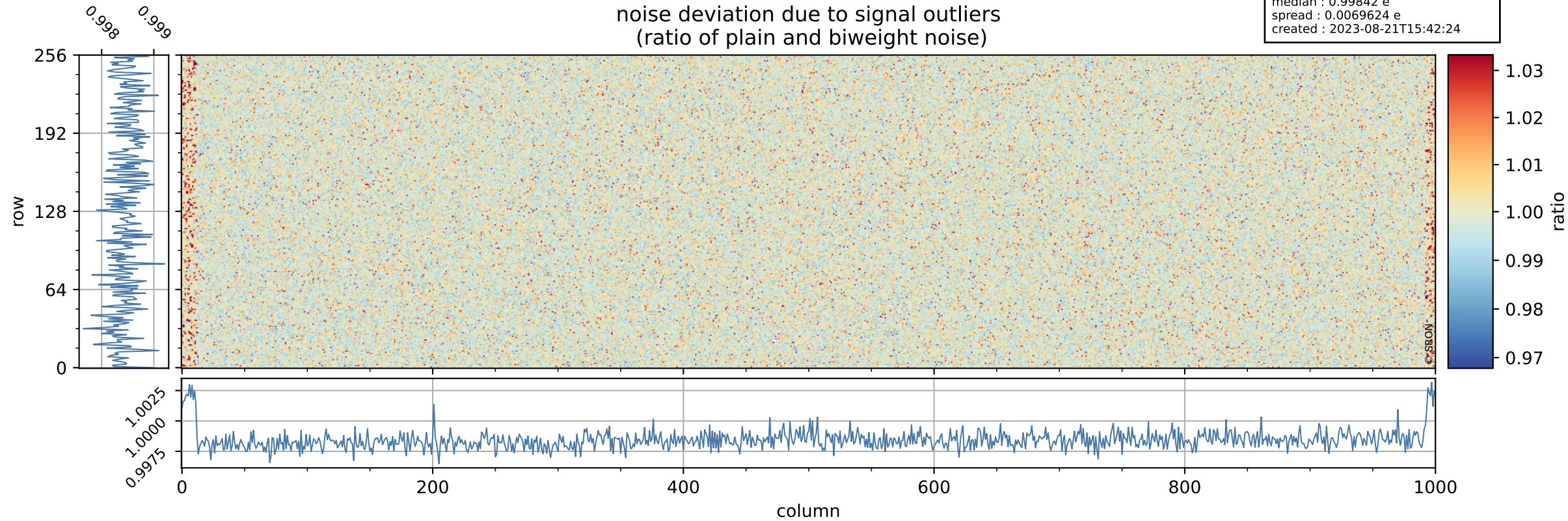




# Tropomi SWIR background noise (swir)

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

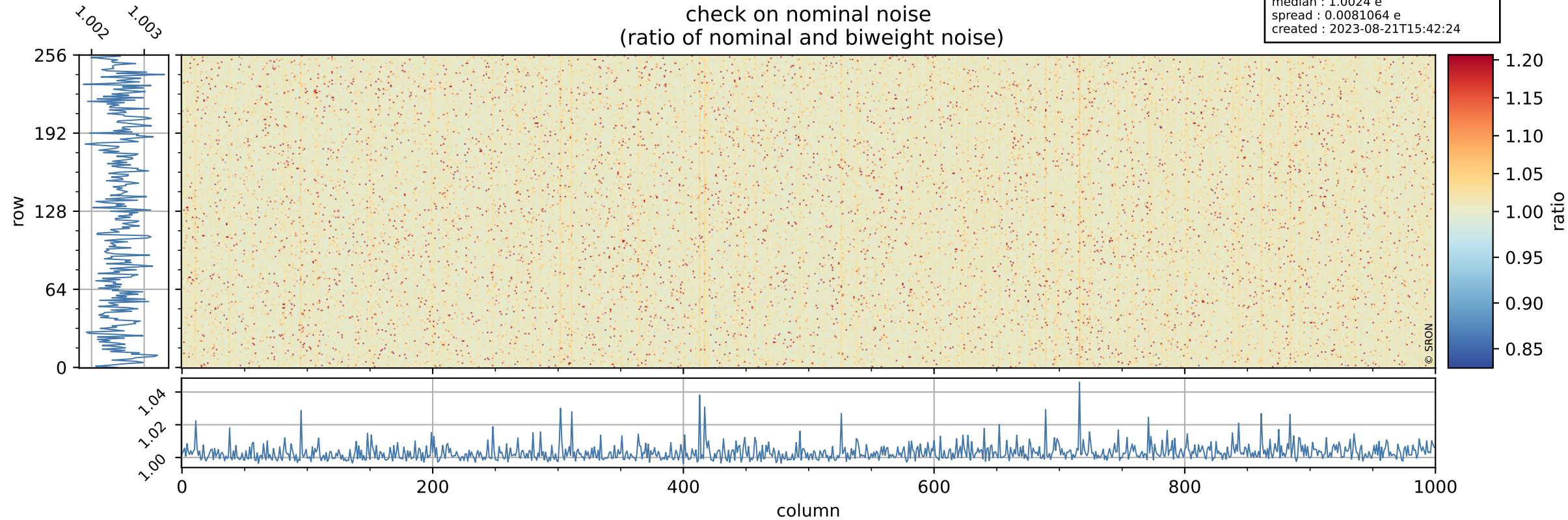
orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
median : 0.99842 e  
spread : 0.0069624 e  
created : 2023-08-21T15:42:24



# Tropomi SWIR background noise (swir)

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

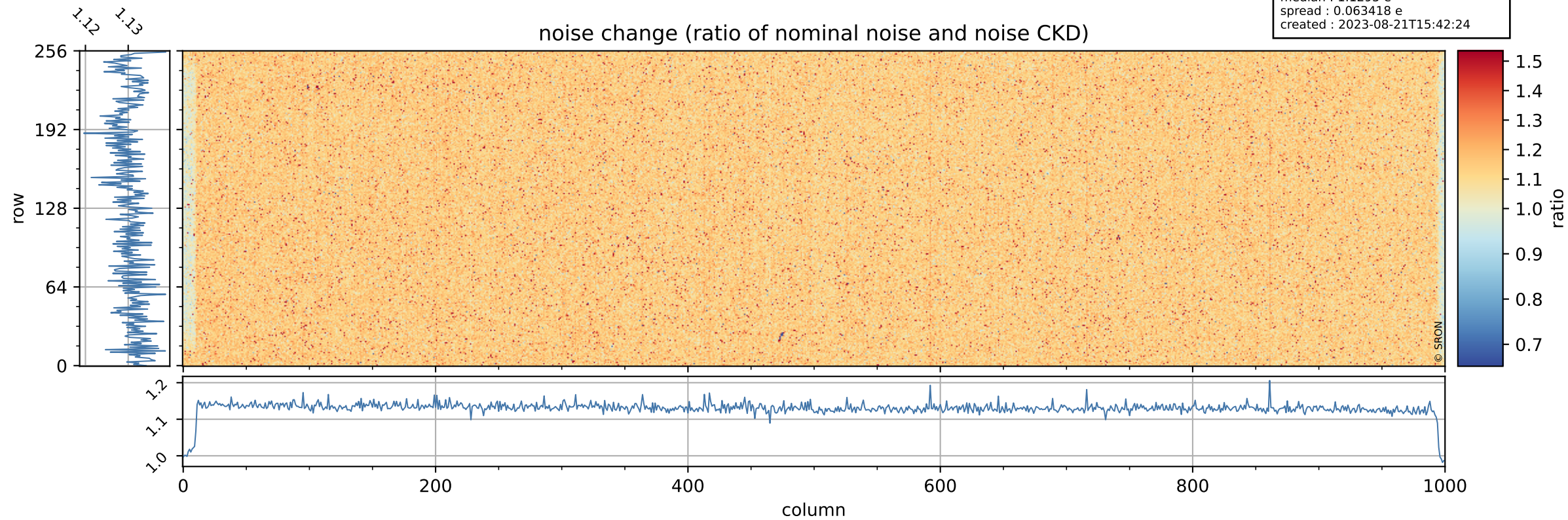
orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
median : 1.0024 e  
spread : 0.0081064 e  
created : 2023-08-21T15:42:24





# Tropomi SWIR background noise (swir)

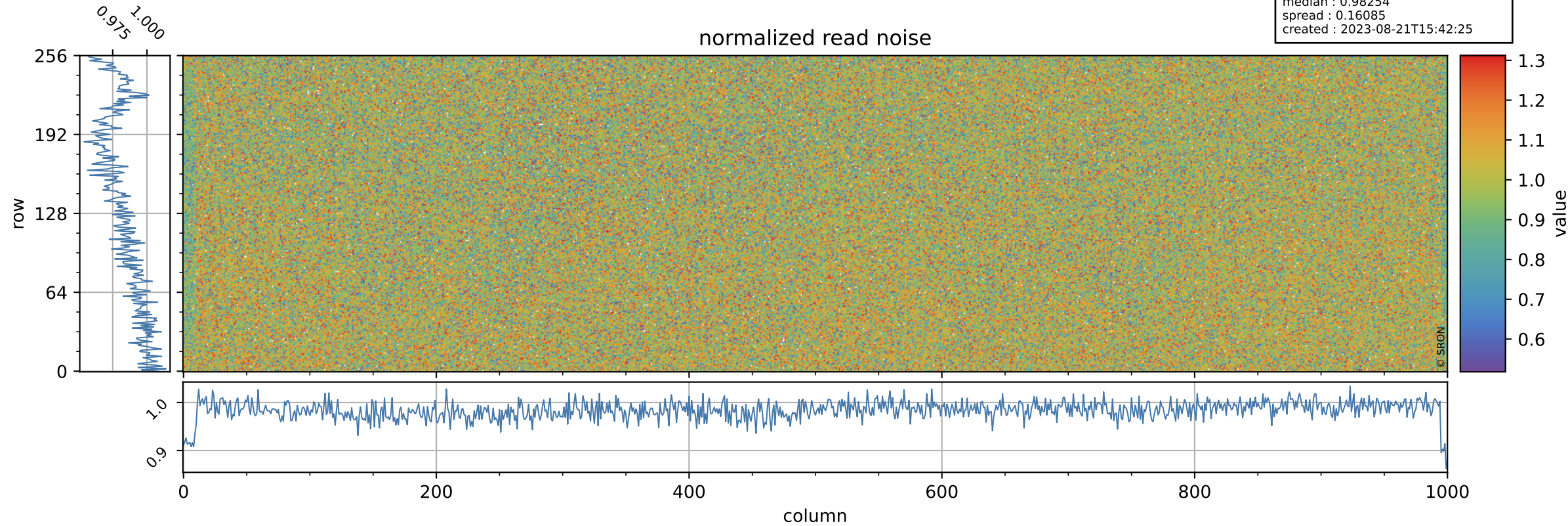
orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
median : 1.1295 e  
spread : 0.063418 e  
created : 2023-08-21T15:42:24





# Tropomi SWIR background noise (swir)

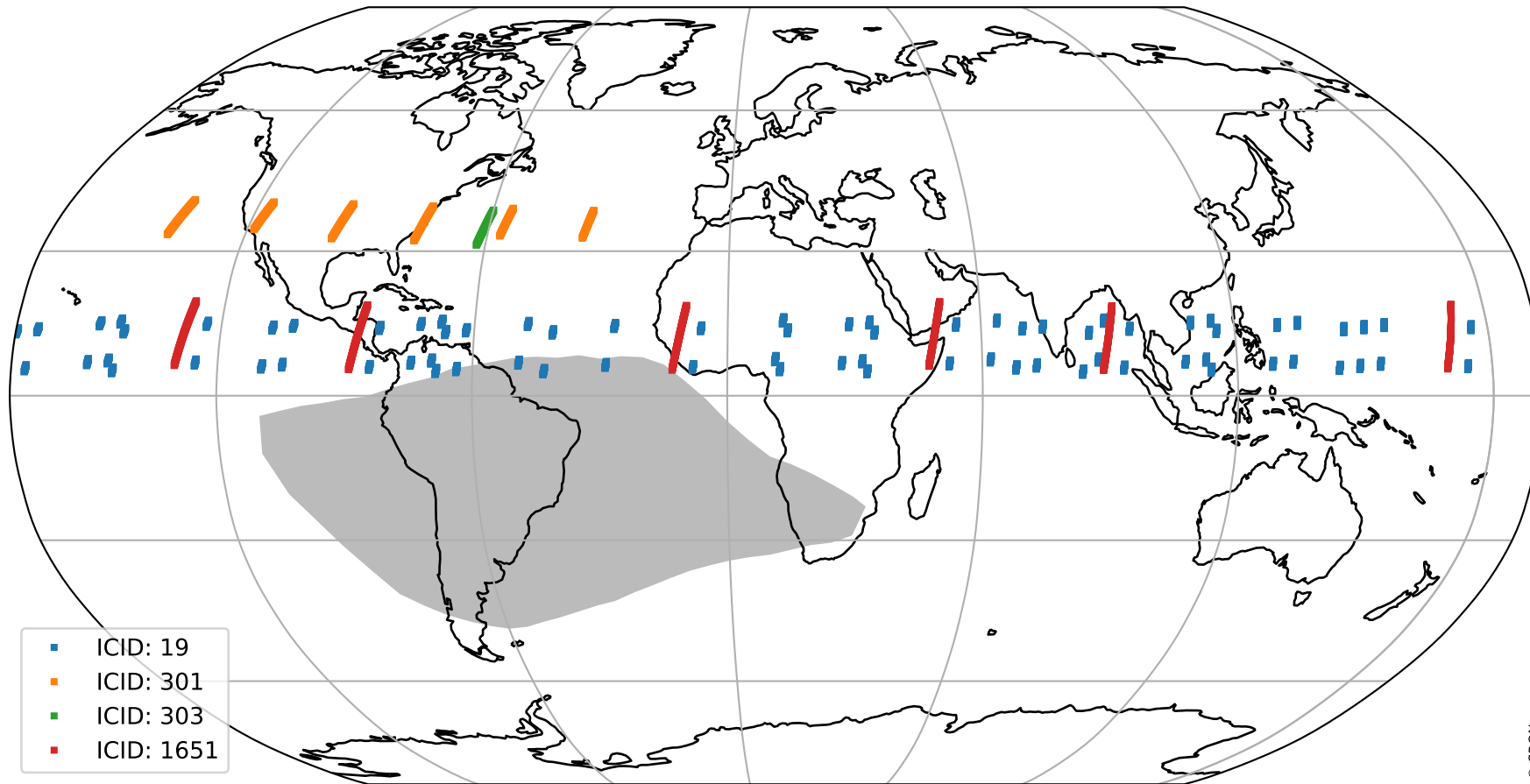
orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
median : 0.98254  
spread : 0.16085  
created : 2023-08-21T15:42:25





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

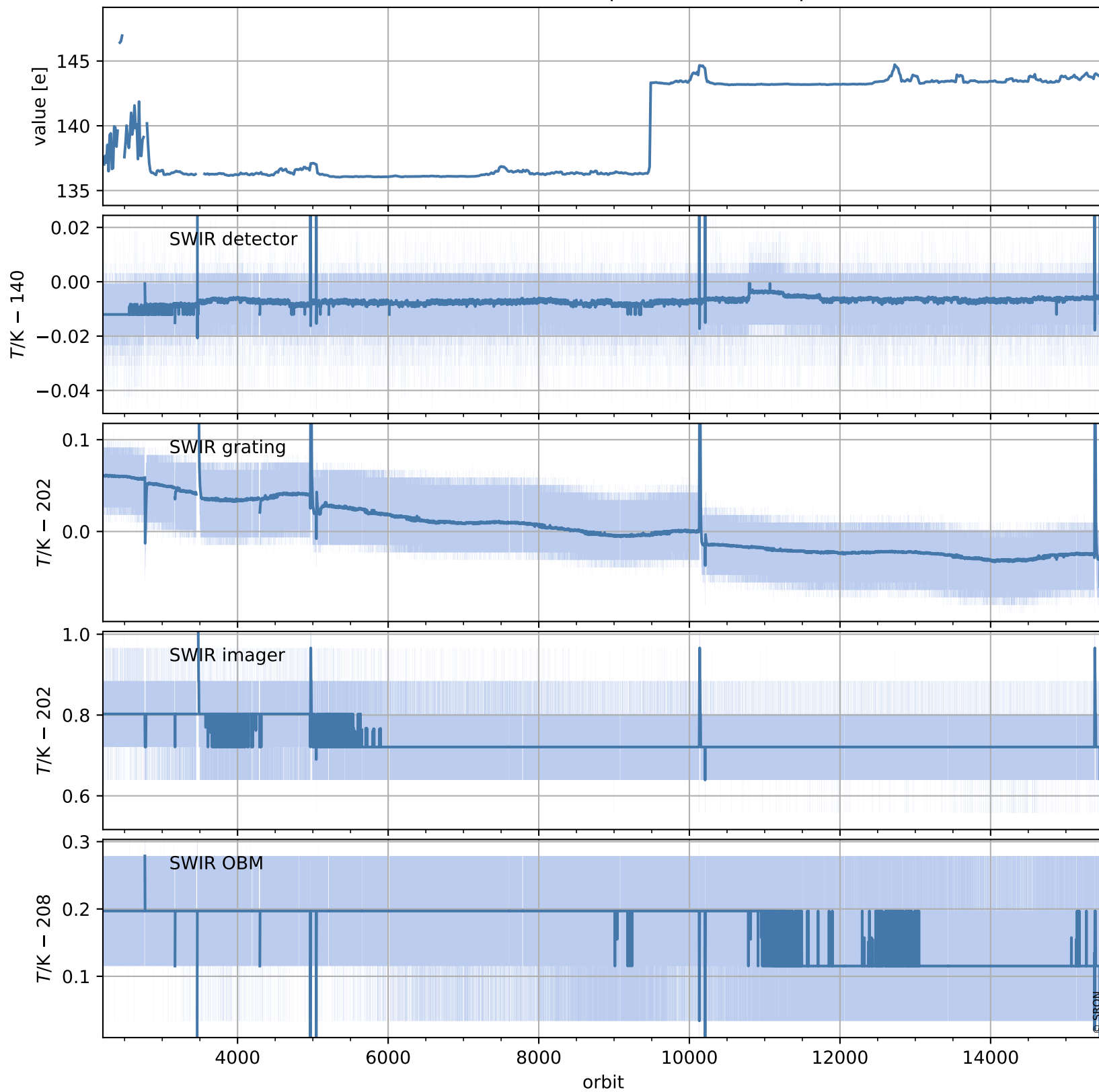
orbits : 13 in [15427, 15502]  
coverage : 2020-10-04 / 2020-10-09  
created : 2023-08-21T15:42:25



# Tropomi SWIR background noise (swir)

orbits : [2212, 15502]  
coverage : 2018-03-18 / 2020-10-09  
created : 2023-08-21T15:42:25

## trend of detector median of plain noise & temperatures

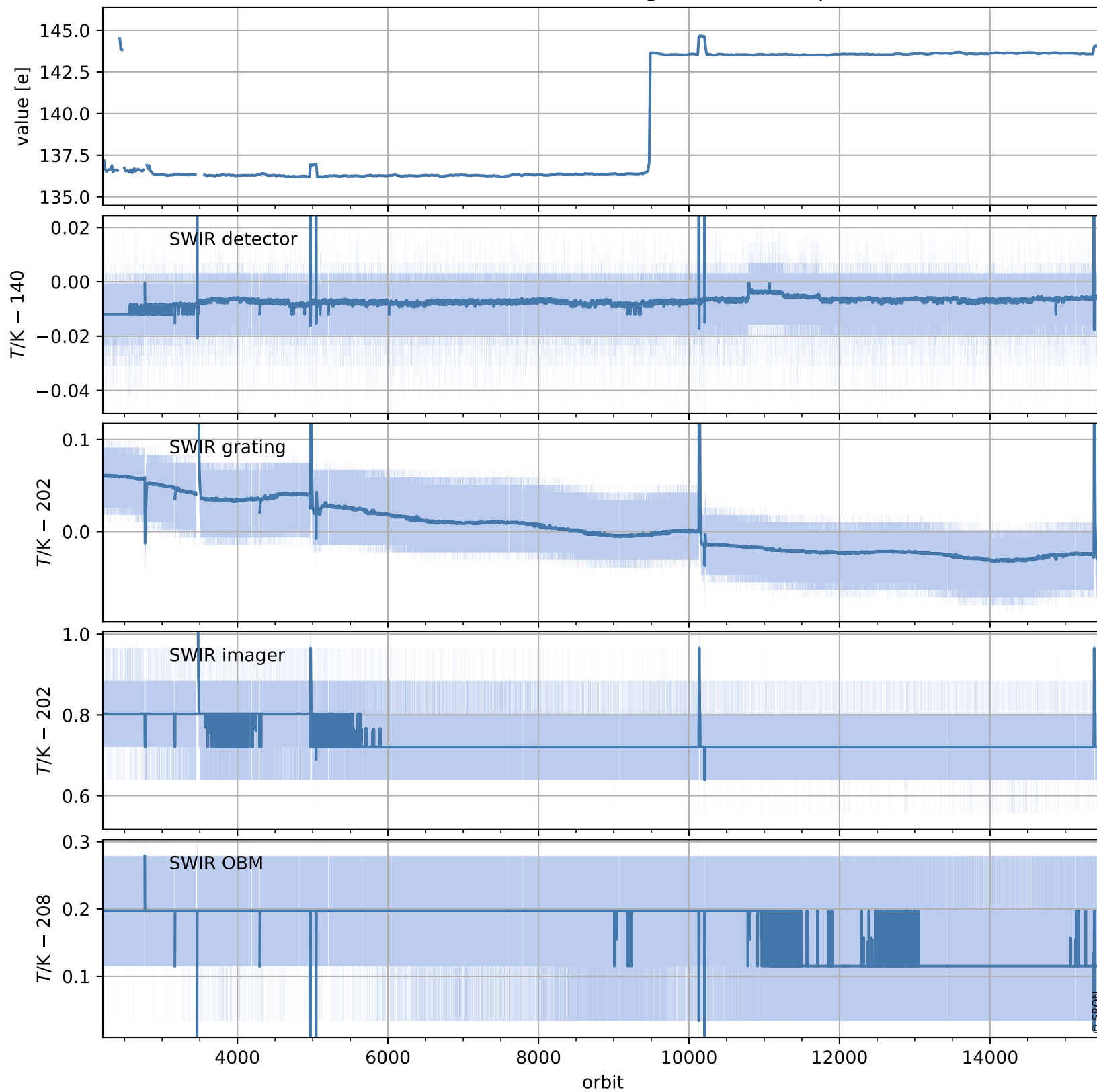




# Tropomi SWIR background noise (swir)

orbits : [2212, 15502]  
coverage : 2018-03-18 / 2020-10-09  
created : 2023-08-21T15:42:26

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15502]  
coverage : 2018-03-18 / 2020-10-09  
created : 2023-08-21T15:42:27

## trend of normalized read-noise & temperatures

