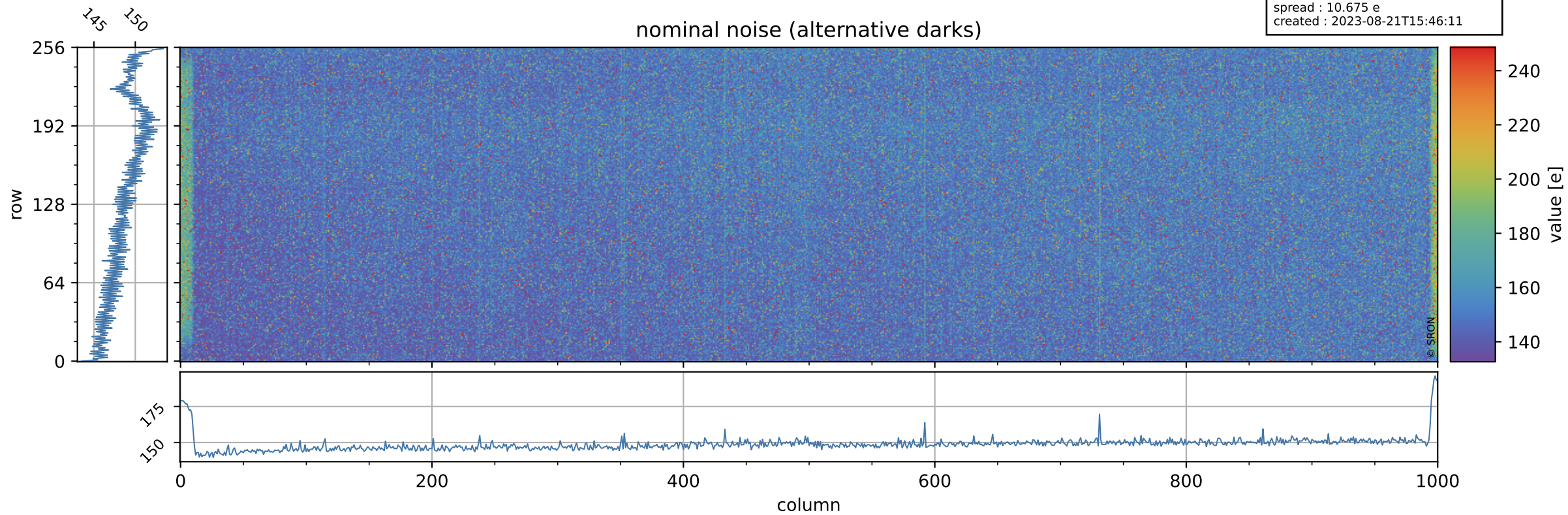


# Tropomi SWIR background noise (swir)

orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.675 e  
created : 2023-08-21T15:46:11

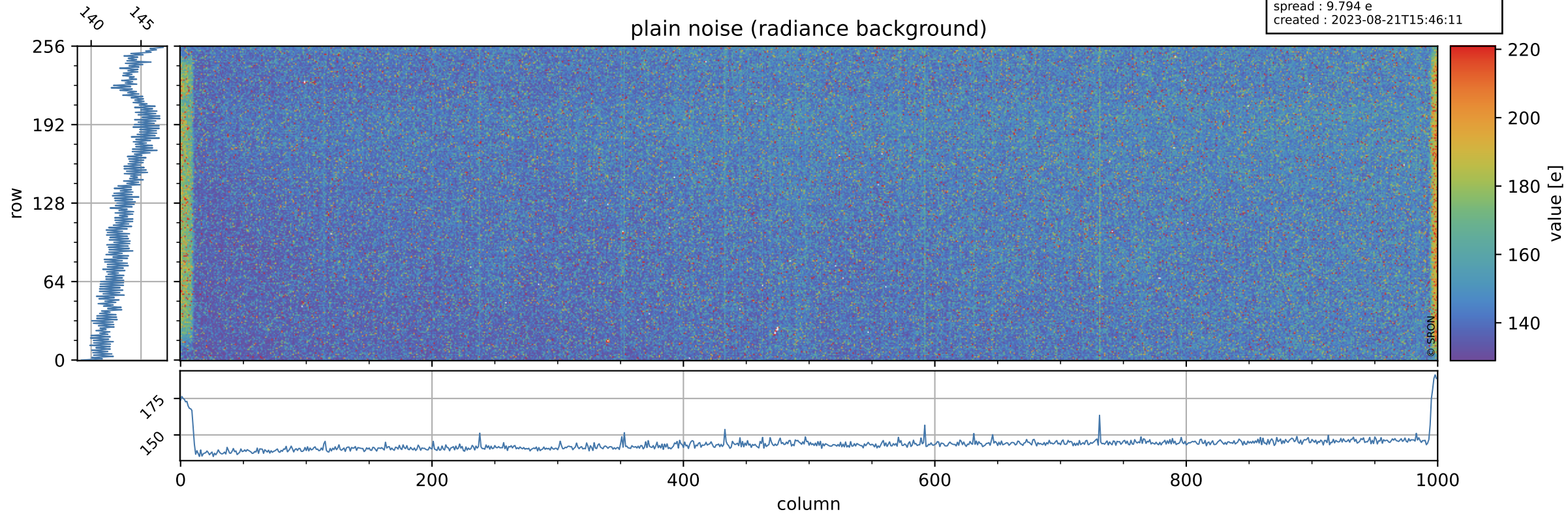
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.794 e  
created : 2023-08-21T15:46:11

## plain noise (radiance background)

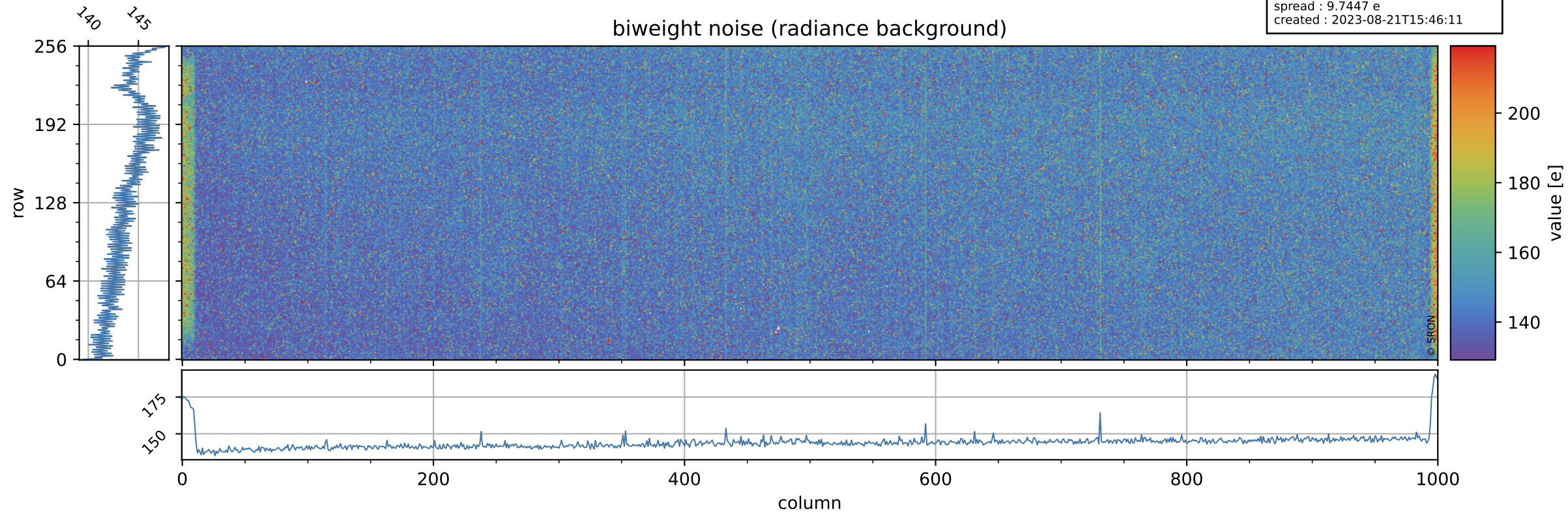




# Tropomi SWIR background noise (swir)

orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7447 e  
created : 2023-08-21T15:46:11

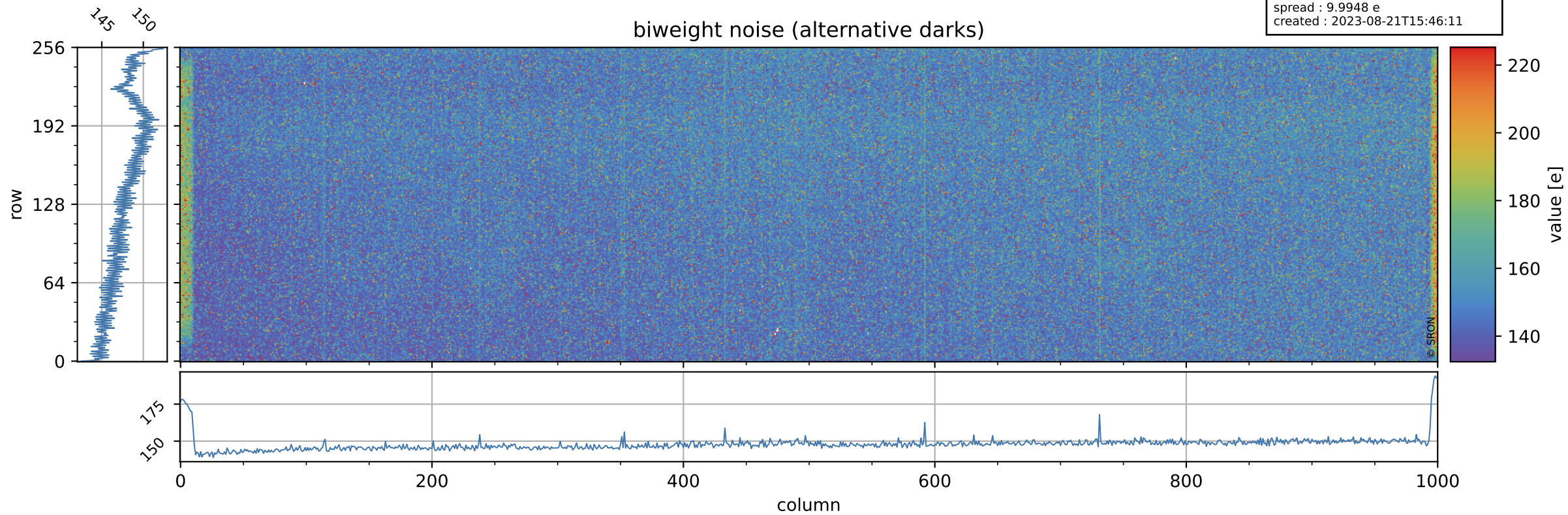
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
n\_coad, t\_exp : 1, 1.0783  
median : 147.68 e  
spread : 9.9948 e  
created : 2023-08-21T15:46:11

## biweight noise (alternative darks)

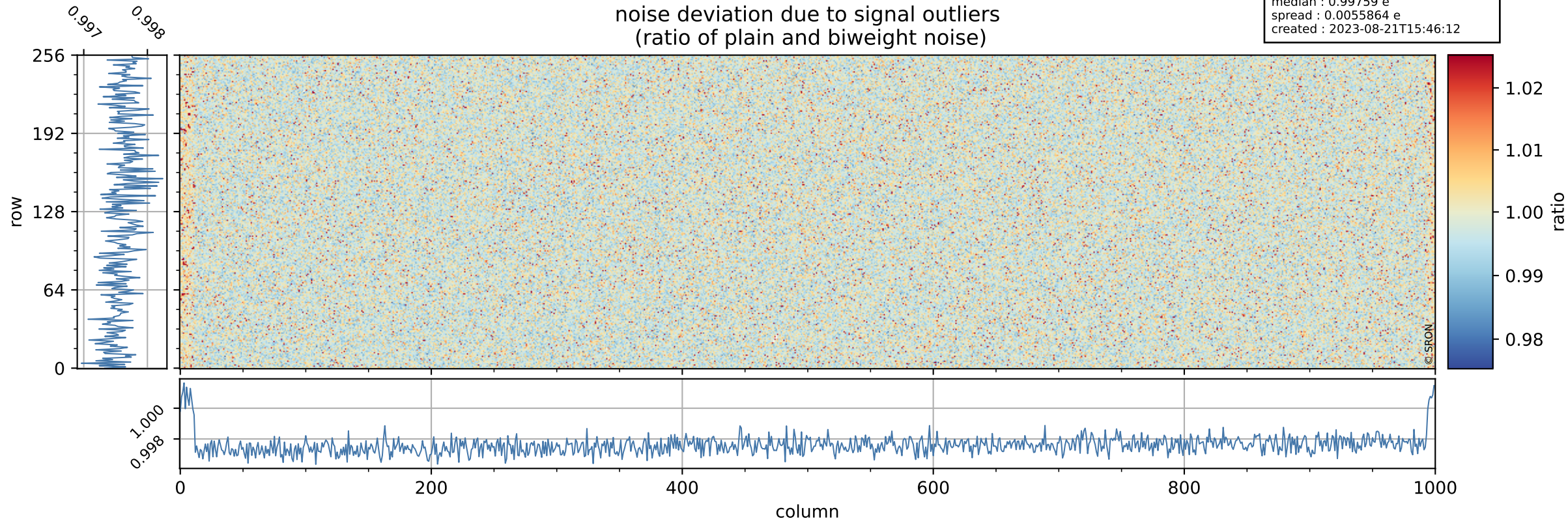




# Tropomi SWIR background noise (swir)

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

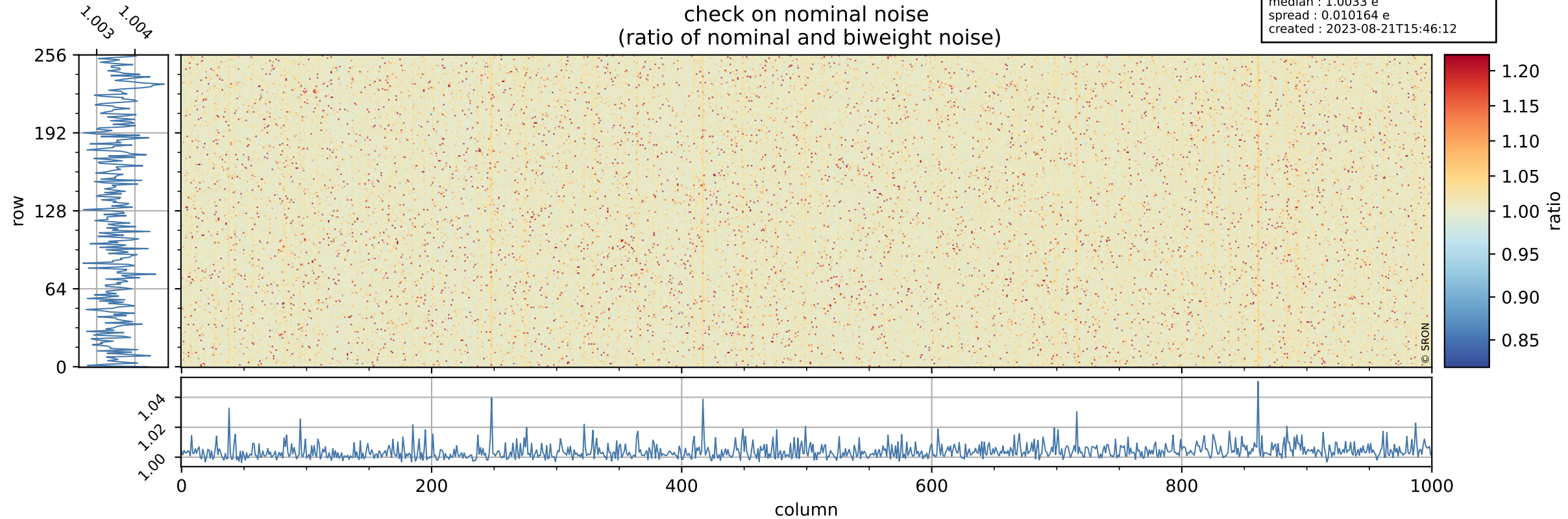
orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
median : 0.99759 e  
spread : 0.0055864 e  
created : 2023-08-21T15:46:12



# Tropomi SWIR background noise (swir)

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

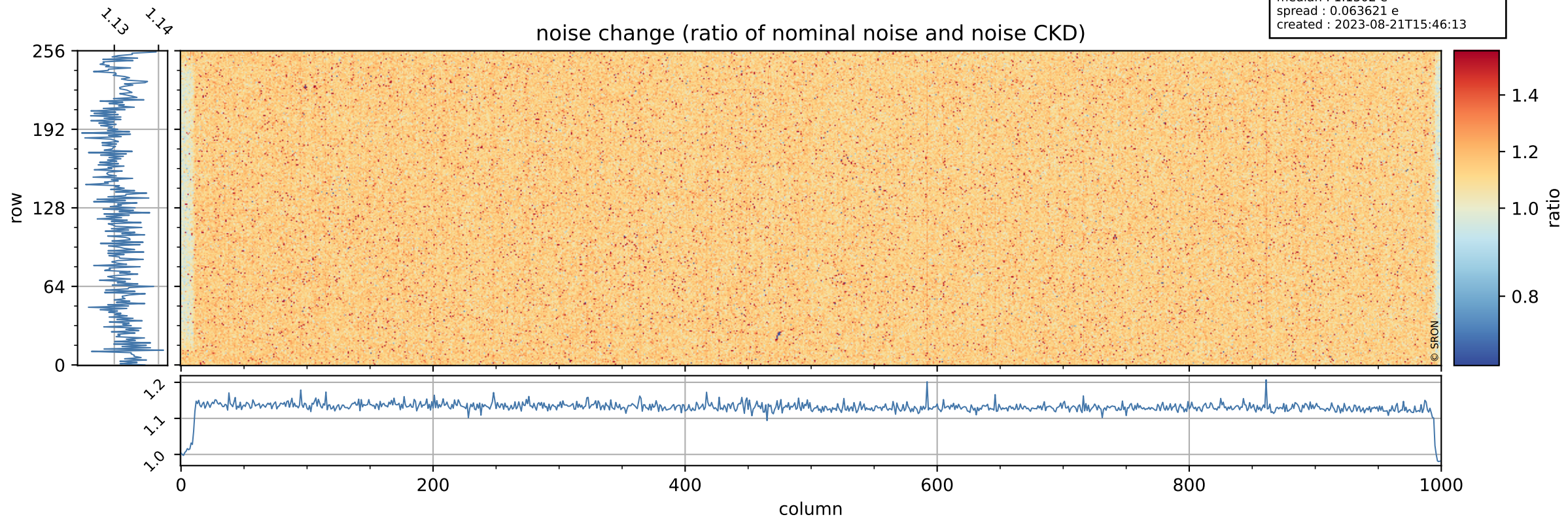
orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
median : 1.0033 e  
spread : 0.010164 e  
created : 2023-08-21T15:46:12





# Tropomi SWIR background noise (swir)

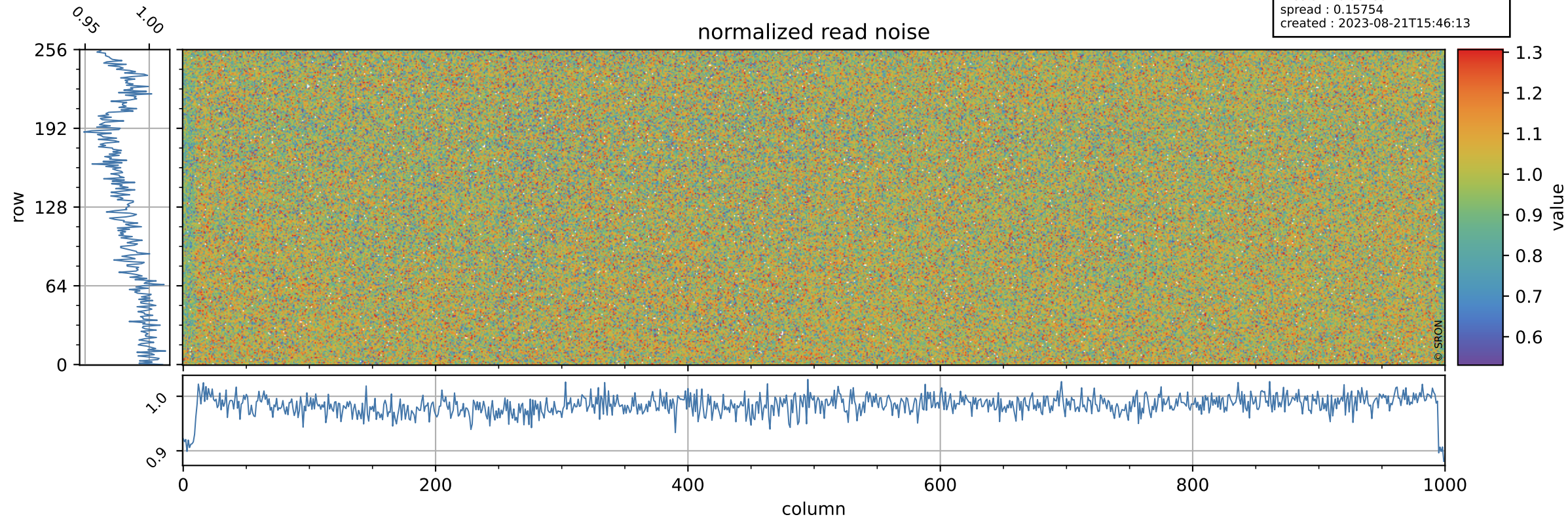
orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
median : 1.1302 e  
spread : 0.063621 e  
created : 2023-08-21T15:46:13





# Tropomi SWIR background noise (swir)

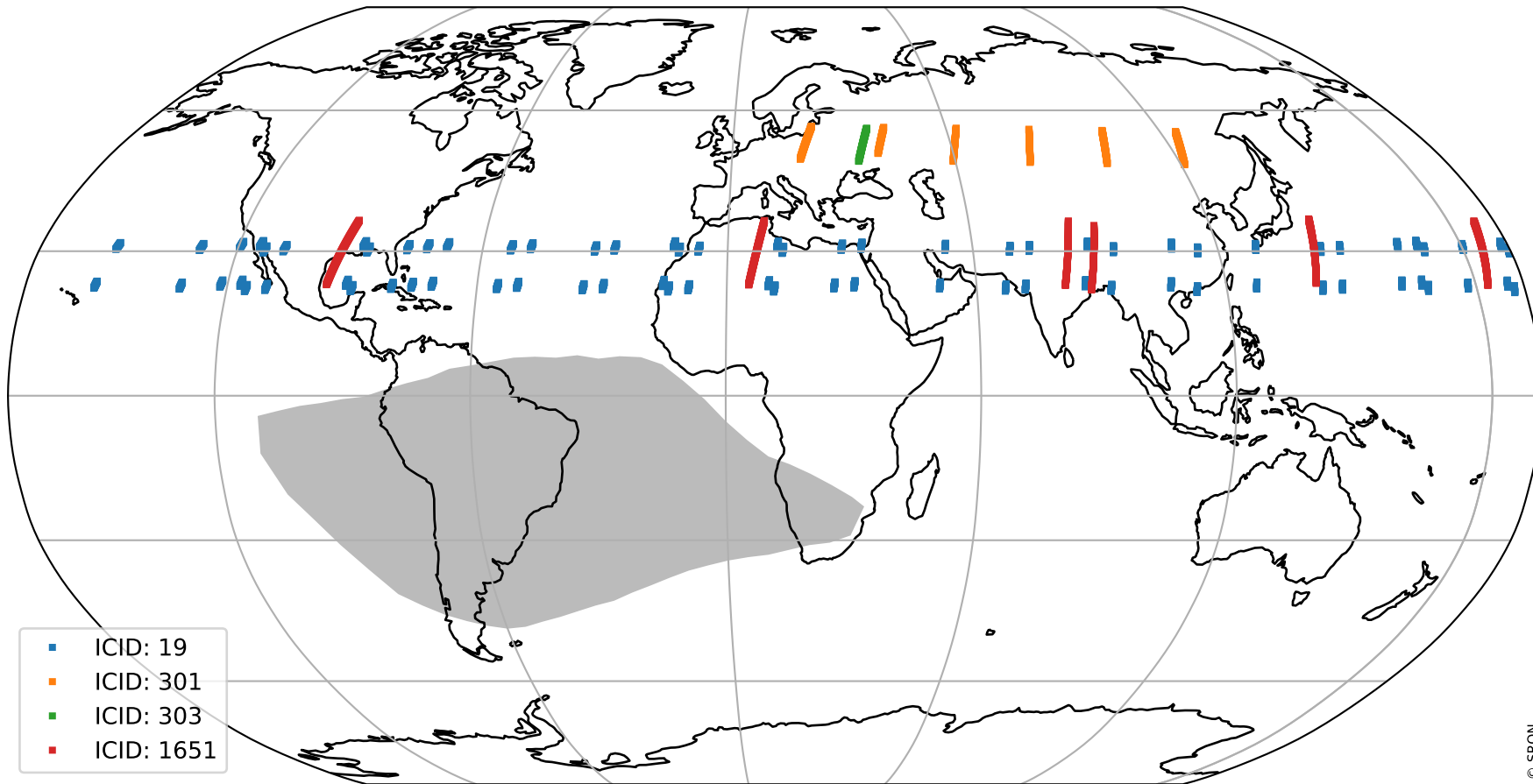
orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
median : 0.98259  
spread : 0.15754  
created : 2023-08-21T15:46:13





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

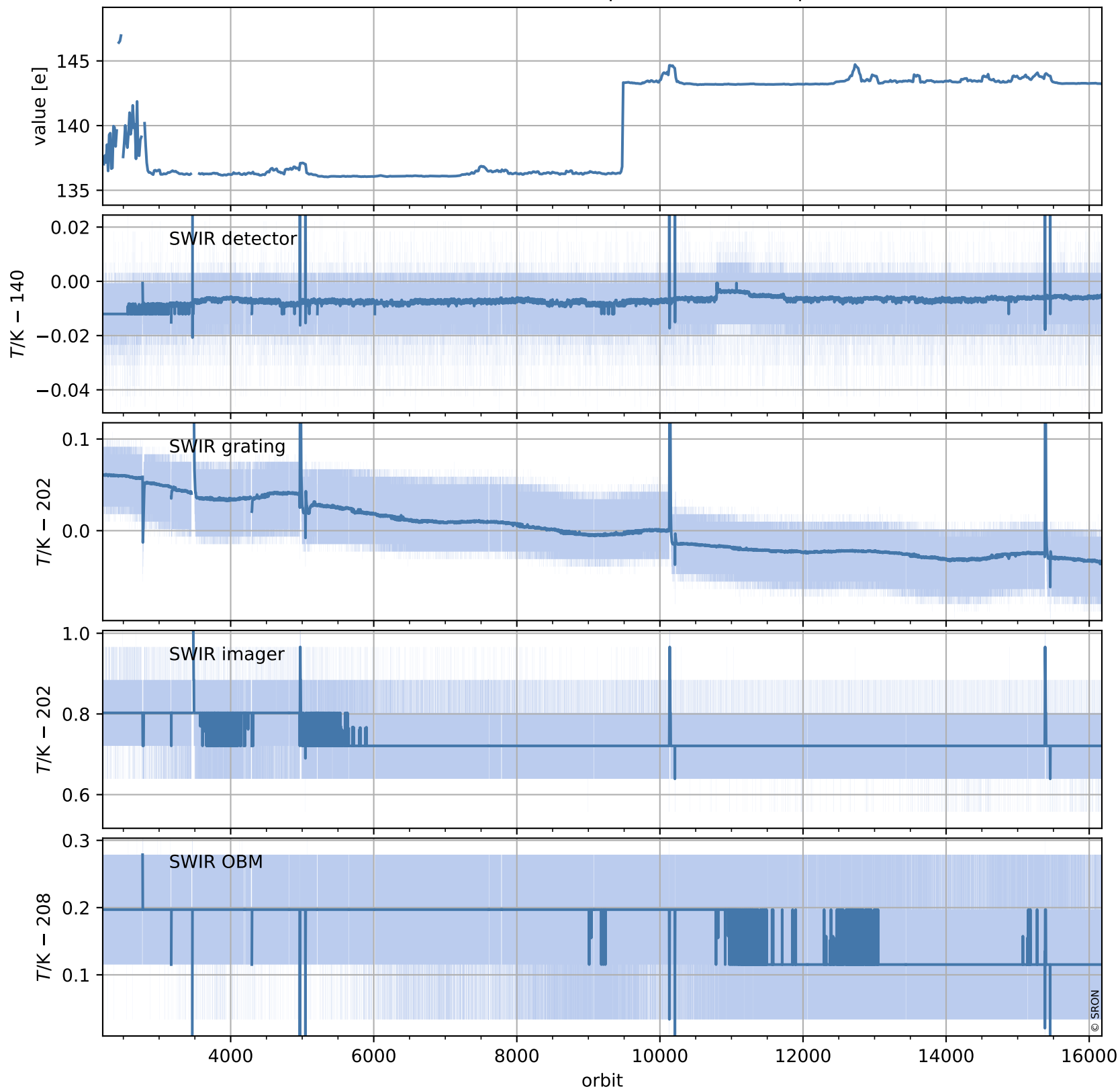
orbits : 13 in [16087, 16177]  
coverage : 2020-11-20 / 2020-11-26  
created : 2023-08-21T15:46:13



# Tropomi SWIR background noise (swir)

orbits : [2212, 16177]  
coverage : 2018-03-18 / 2020-11-26  
created : 2023-08-21T15:46:13

## trend of detector median of plain noise & temperatures

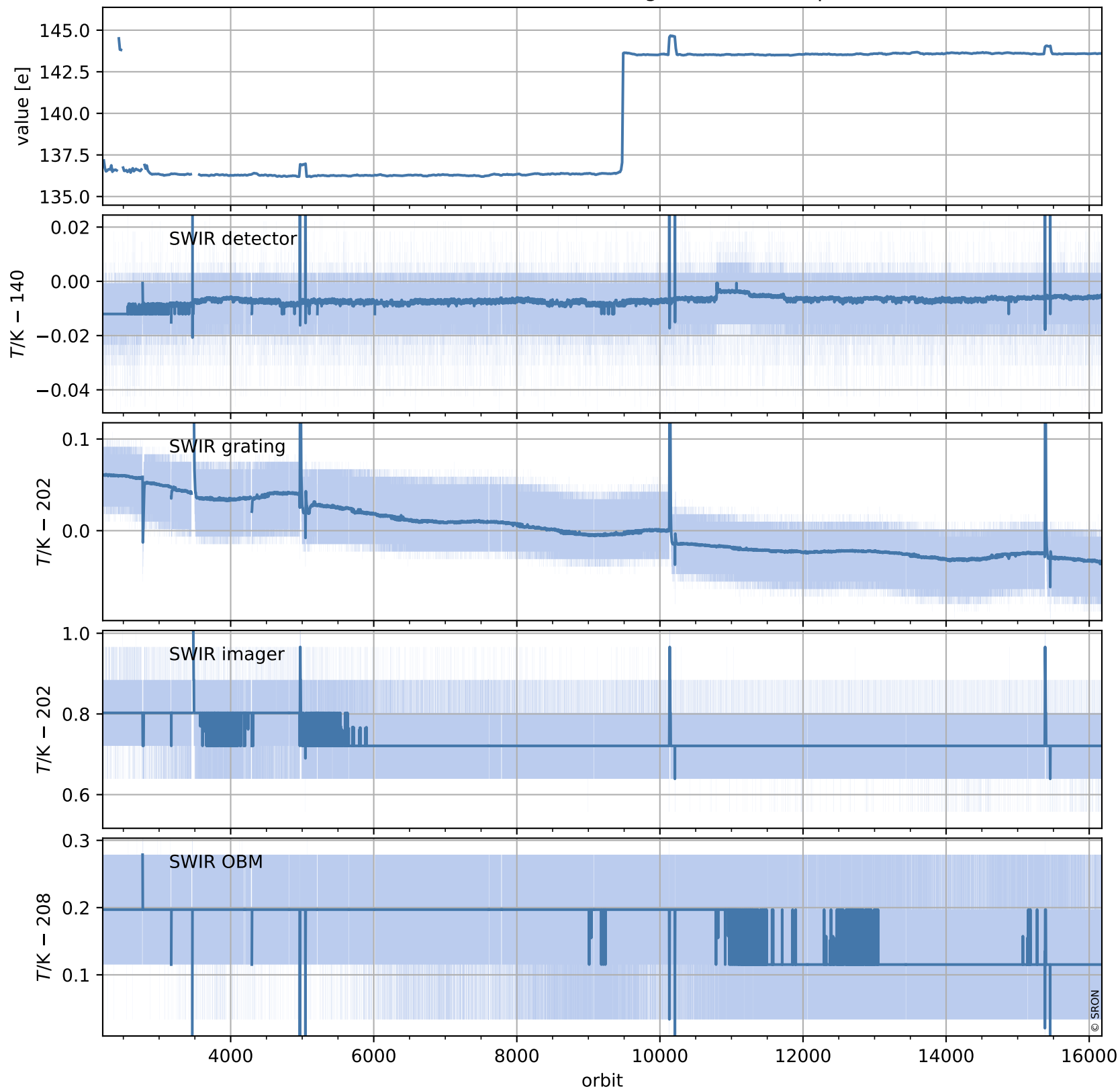




# Tropomi SWIR background noise (swir)

orbits : [2212, 16177]  
coverage : 2018-03-18 / 2020-11-26  
created : 2023-08-21T15:46:14

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16177]  
coverage : 2018-03-18 / 2020-11-26  
created : 2023-08-21T15:46:15

## trend of normalized read-noise & temperatures

