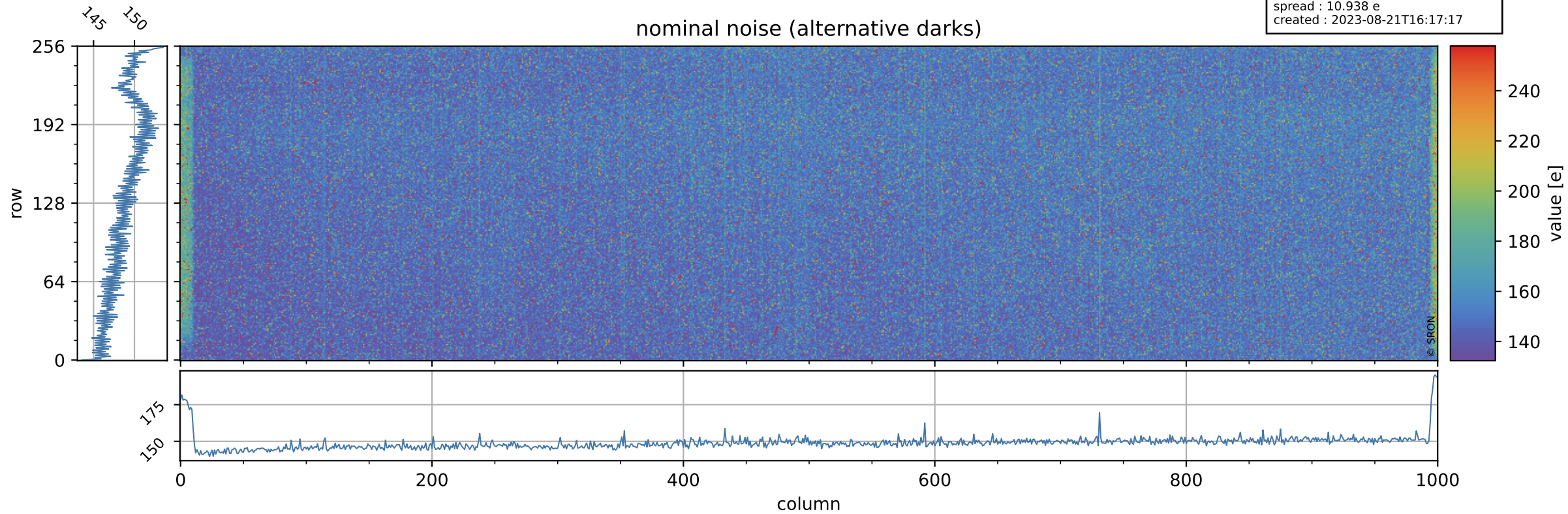


# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.74 e  
spread : 10.938 e  
created : 2023-08-21T16:17:17

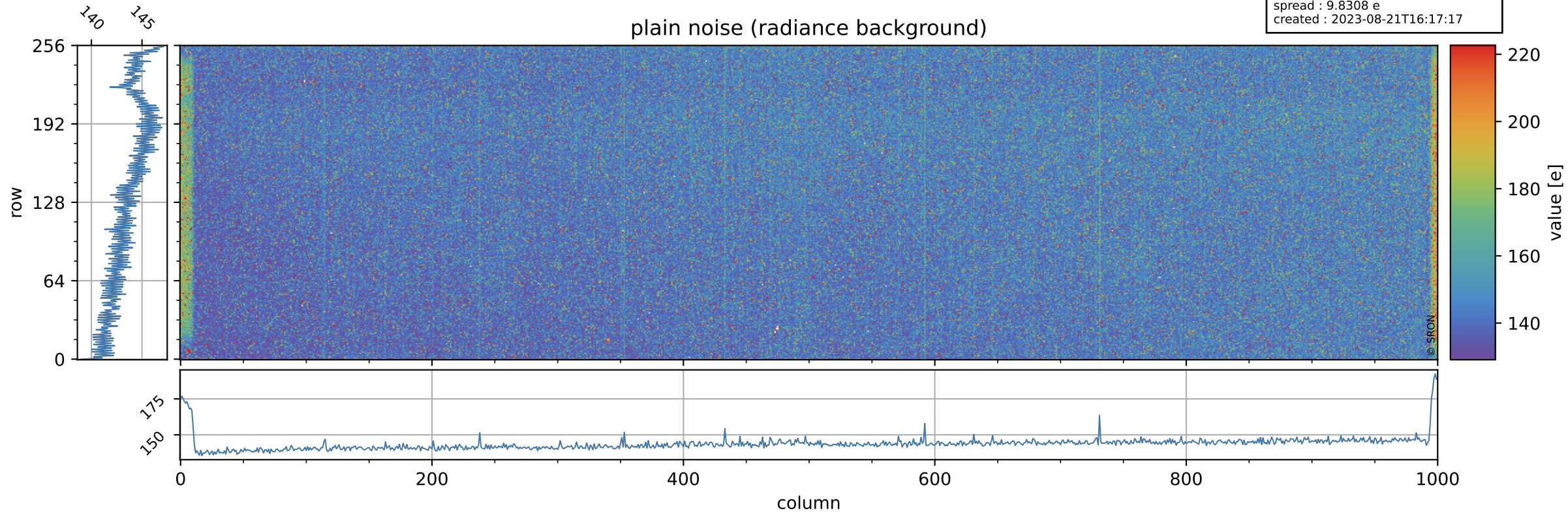
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.8308 e  
created : 2023-08-21T16:17:17

## plain noise (radiance background)

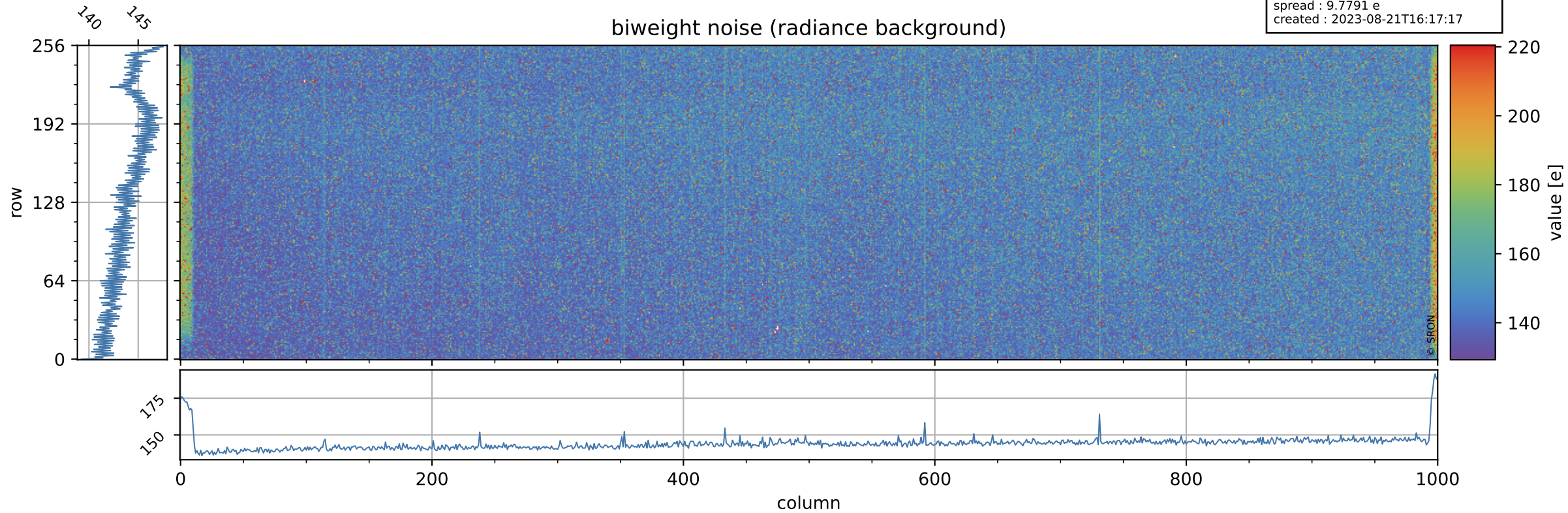




# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.85 e  
spread : 9.7791 e  
created : 2023-08-21T16:17:17

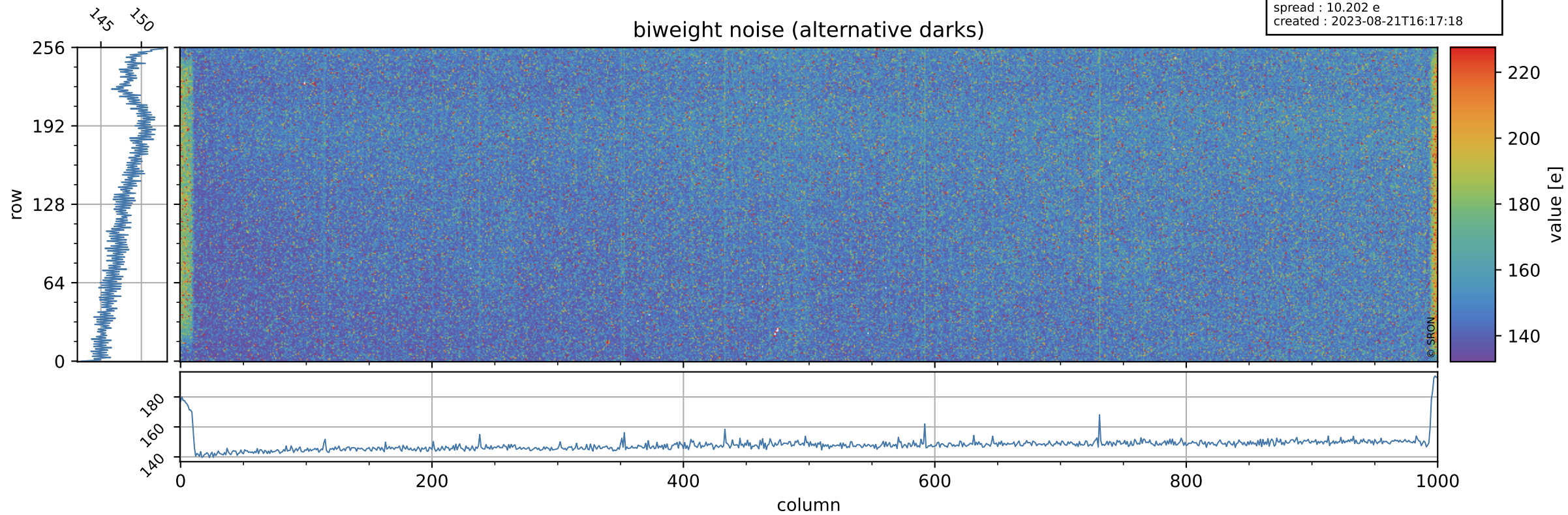
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.79 e  
spread : 10.202 e  
created : 2023-08-21T16:17:18

## biweight noise (alternative darks)

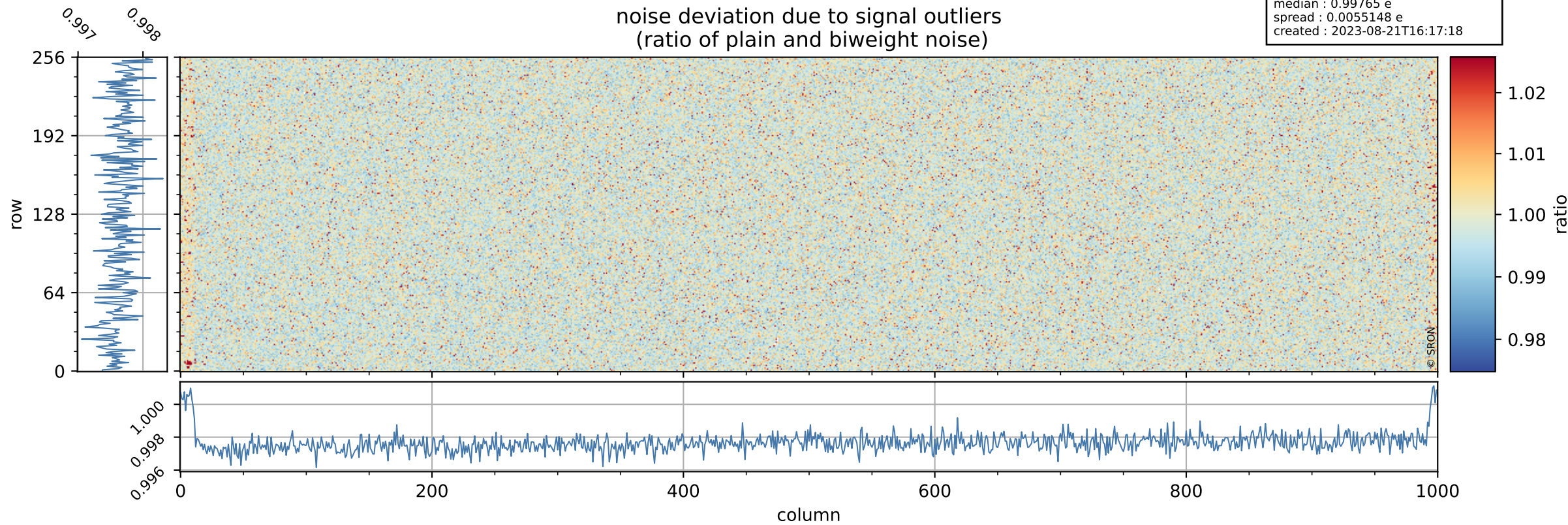




# Tropomi SWIR background noise (swir)

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

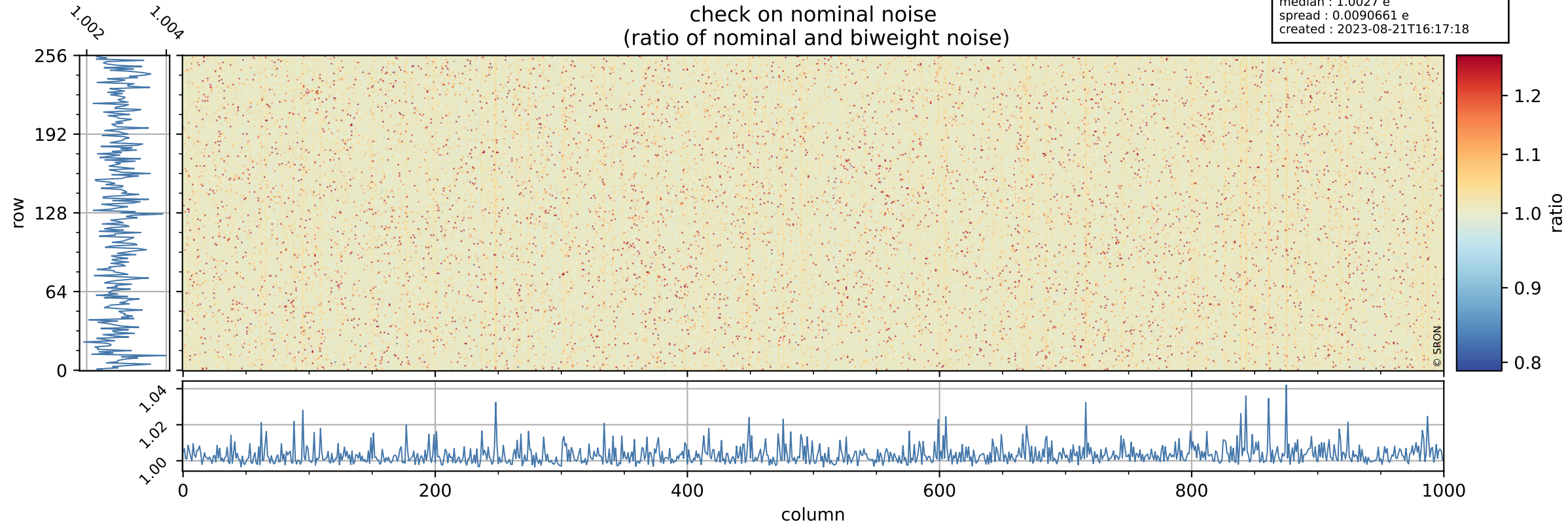
orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
median : 0.99765 e  
spread : 0.0055148 e  
created : 2023-08-21T16:17:18



# Tropomi SWIR background noise (swir)

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

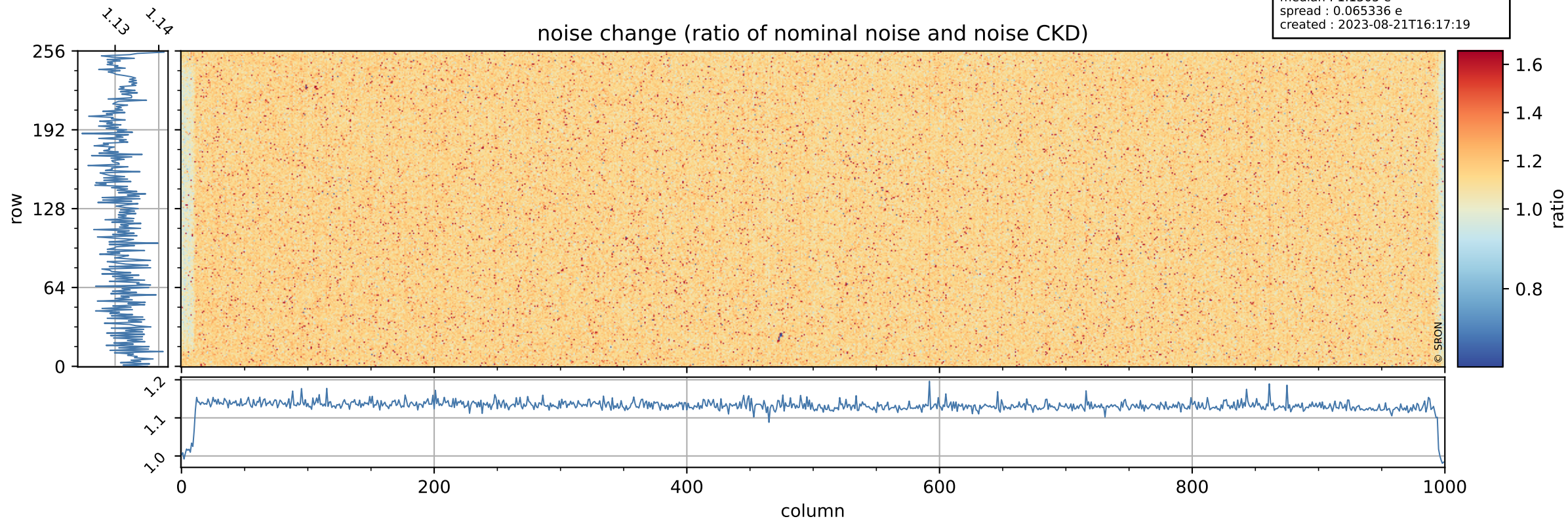
orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
median : 1.0027 e  
spread : 0.0090661 e  
created : 2023-08-21T16:17:18





# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
median : 1.1305 e  
spread : 0.065336 e  
created : 2023-08-21T16:17:19

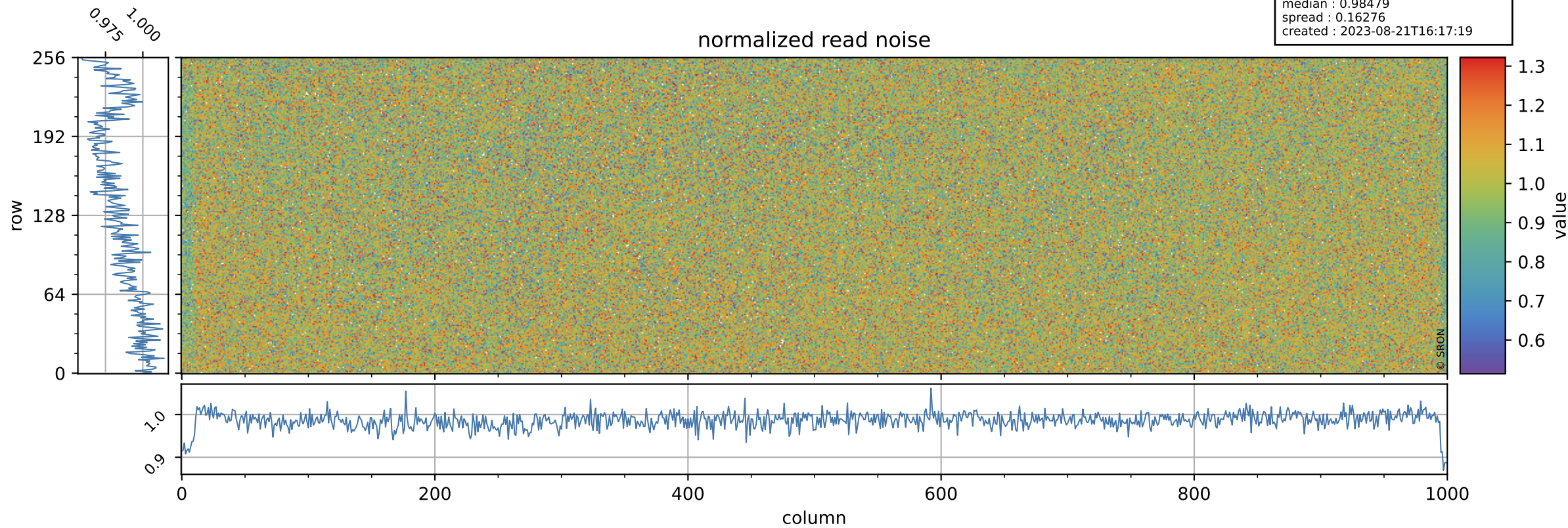




# Tropomi SWIR background noise (swir)

orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
median : 0.98479  
spread : 0.16276  
created : 2023-08-21T16:17:19

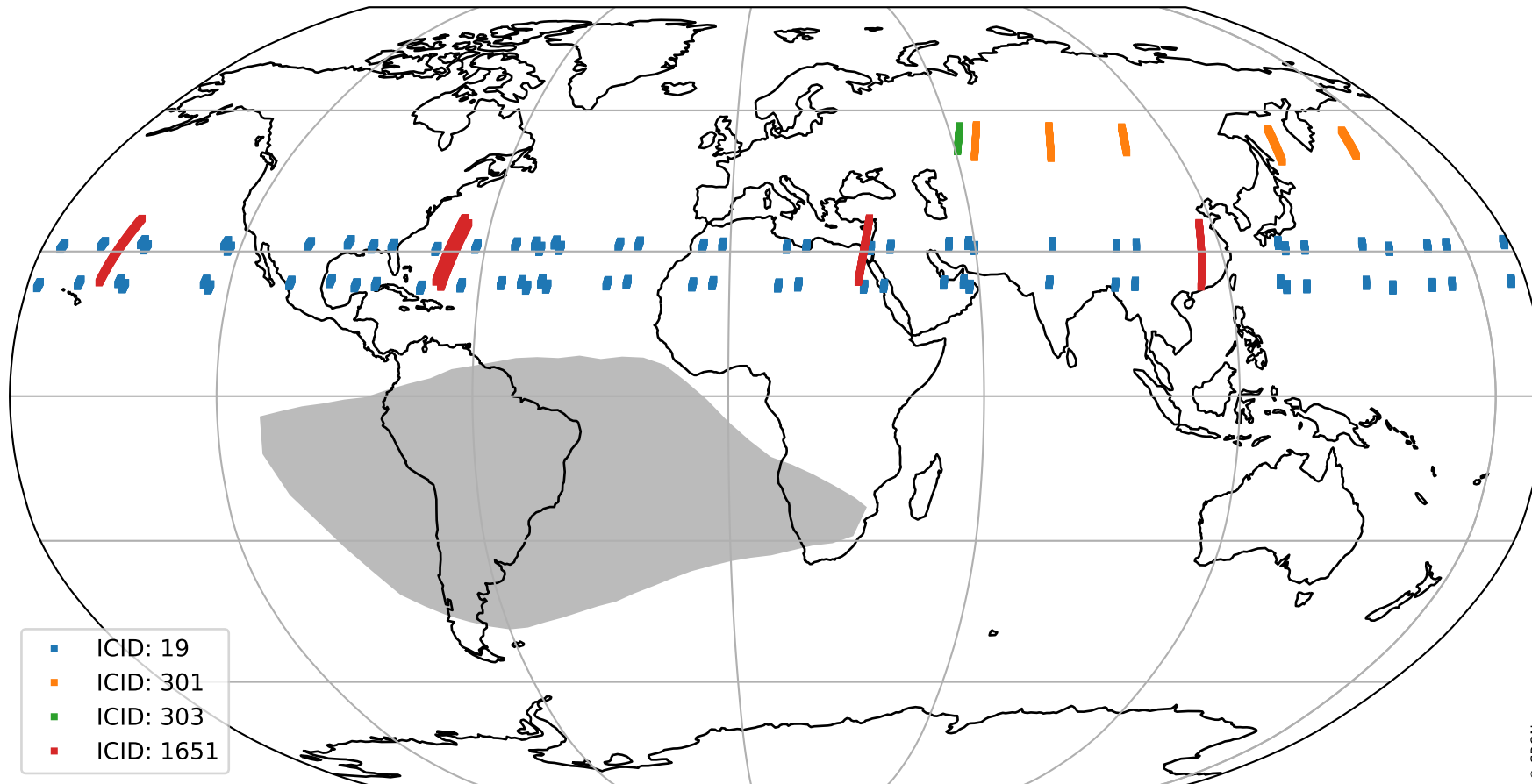
normalized read noise





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

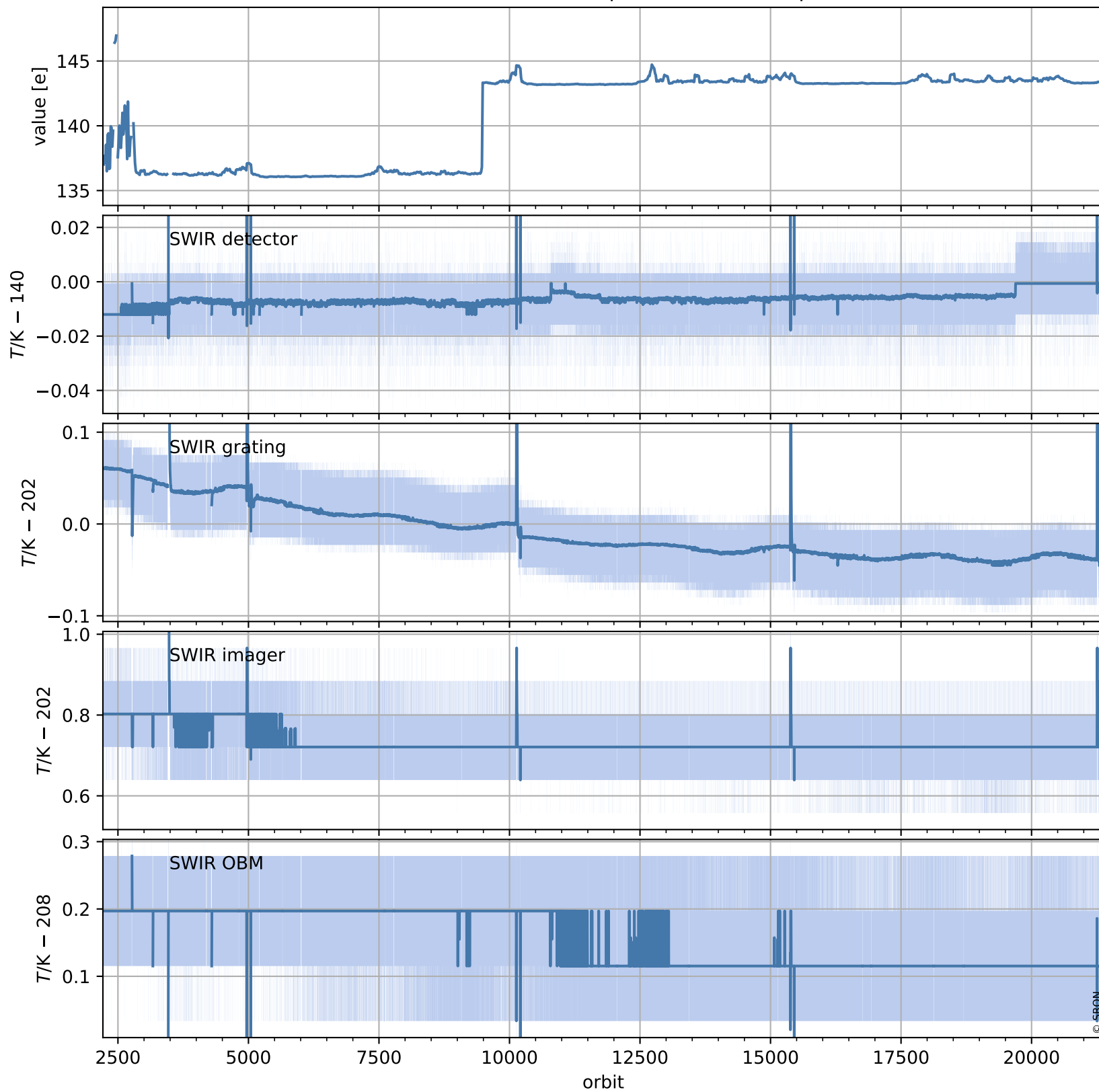
orbits : 11 in [21292, 21382]  
coverage : 2021-11-22 / 2021-11-28  
created : 2023-08-21T16:17:19



# Tropomi SWIR background noise (swir)

orbits : [2212, 21382]  
coverage : 2018-03-18 / 2021-11-28  
created : 2023-08-21T16:17:20

## trend of detector median of plain noise & temperatures

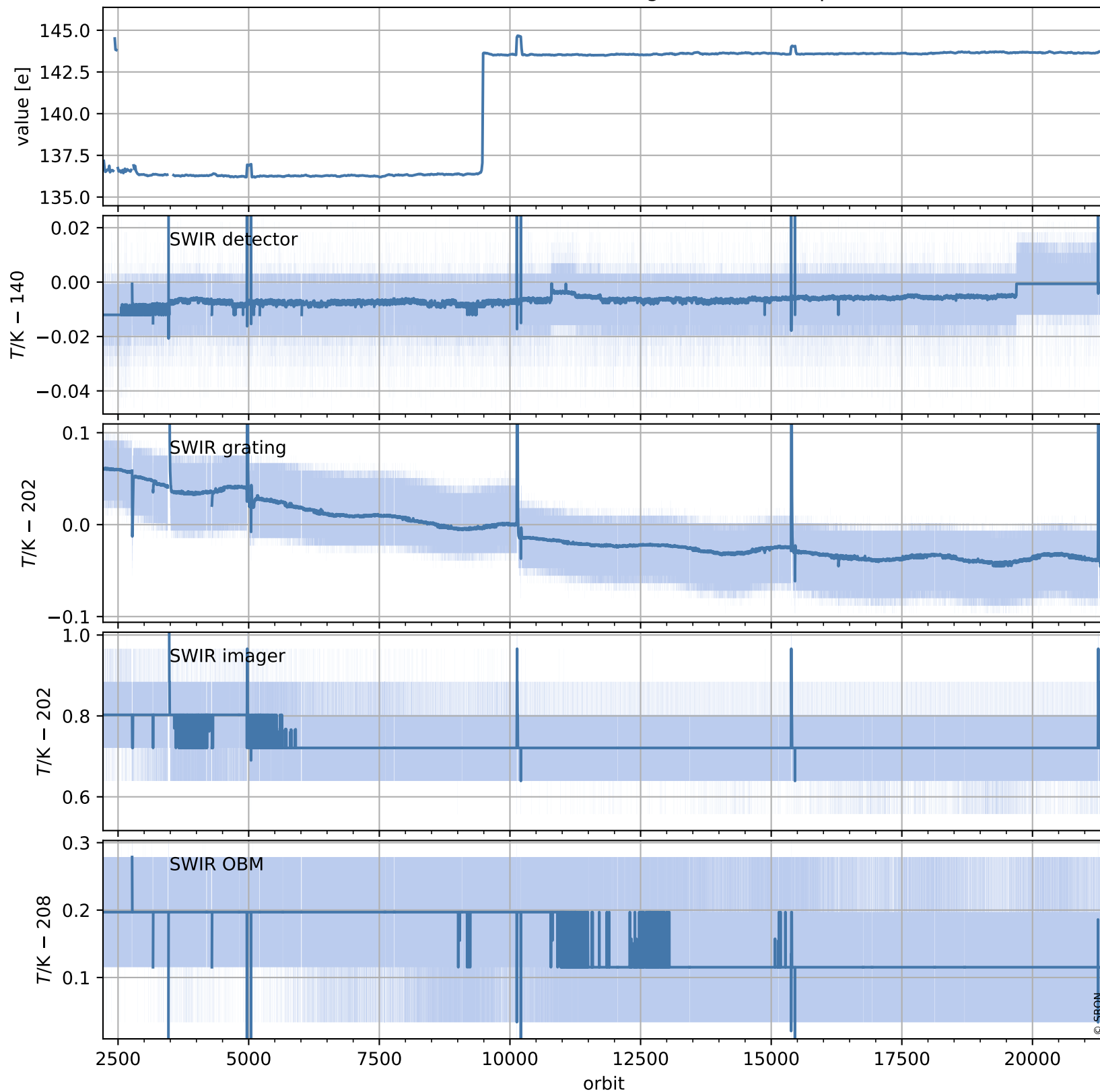




# Tropomi SWIR background noise (swir)

orbits : [2212, 21382]  
coverage : 2018-03-18 / 2021-11-28  
created : 2023-08-21T16:17:20

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21382]  
coverage : 2018-03-18 / 2021-11-28  
created : 2023-08-21T16:17:21

## trend of normalized read-noise & temperatures

