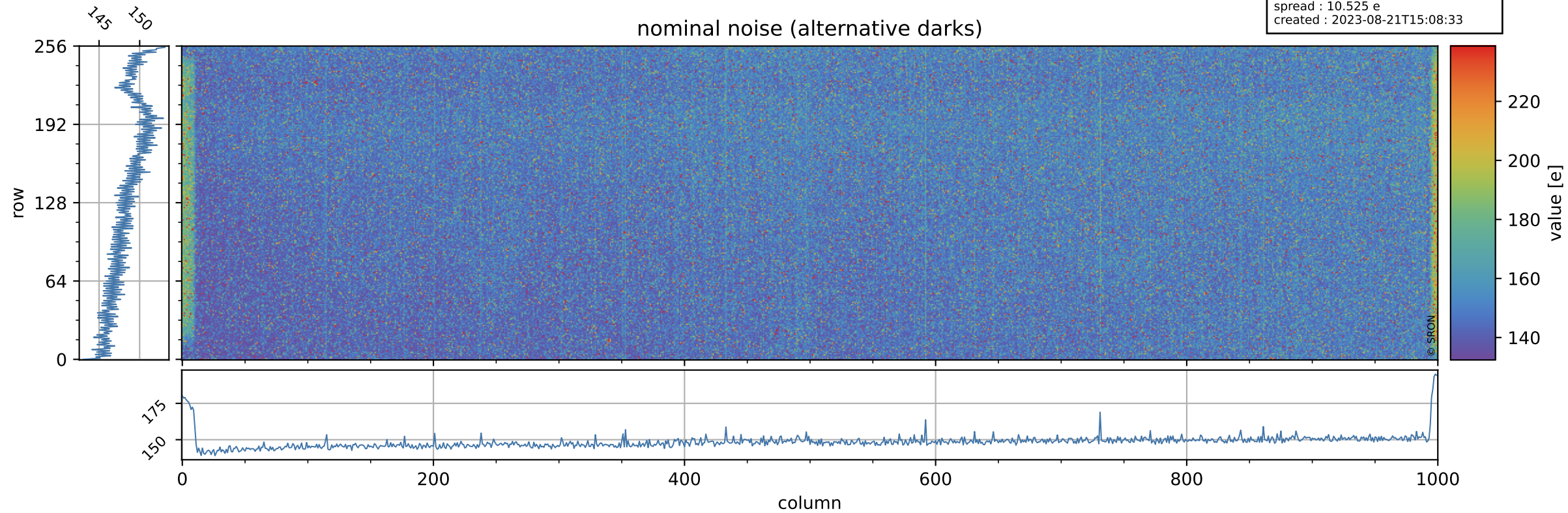


# Tropomi SWIR background noise (swir)

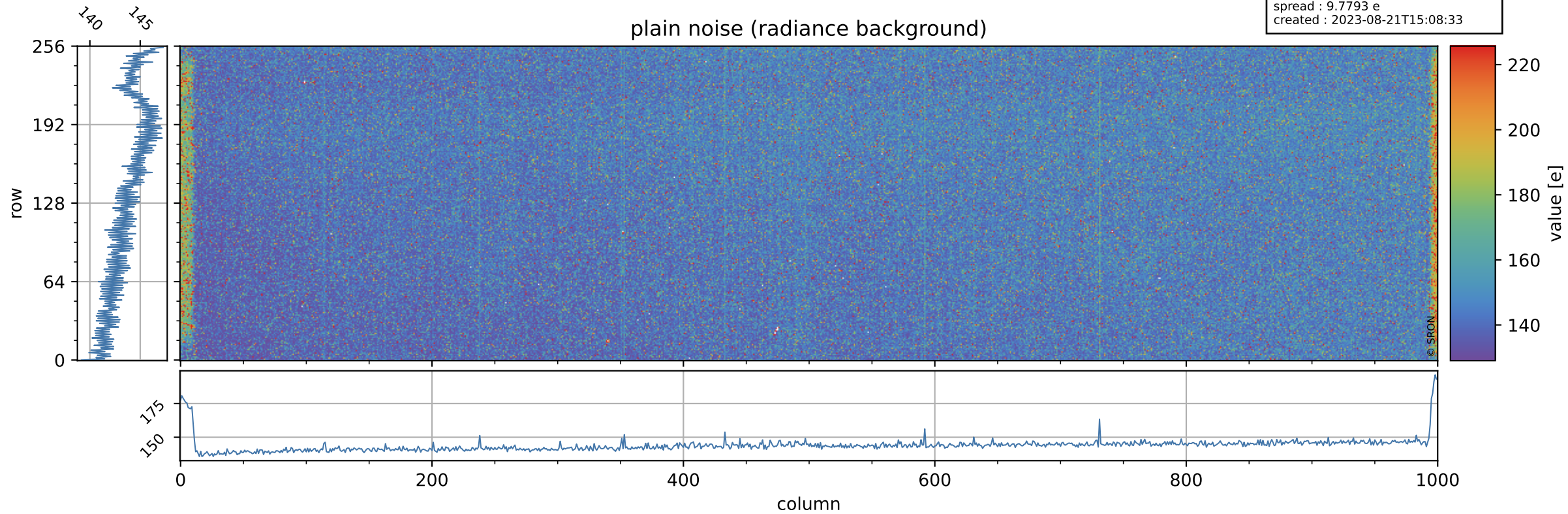
orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.36 e  
spread : 10.525 e  
created : 2023-08-21T15:08:33



# Tropomi SWIR background noise (swir)

orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 9.7793 e  
created : 2023-08-21T15:08:33

## plain noise (radiance background)

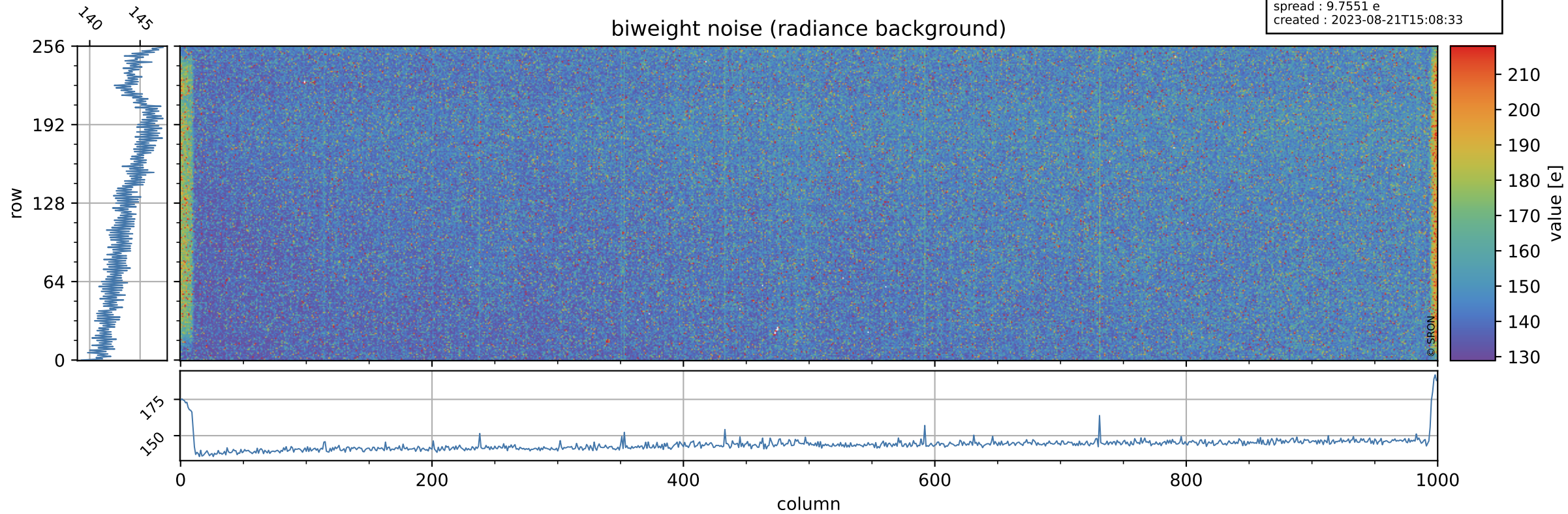




# Tropomi SWIR background noise (swir)

orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.7551 e  
created : 2023-08-21T15:08:33

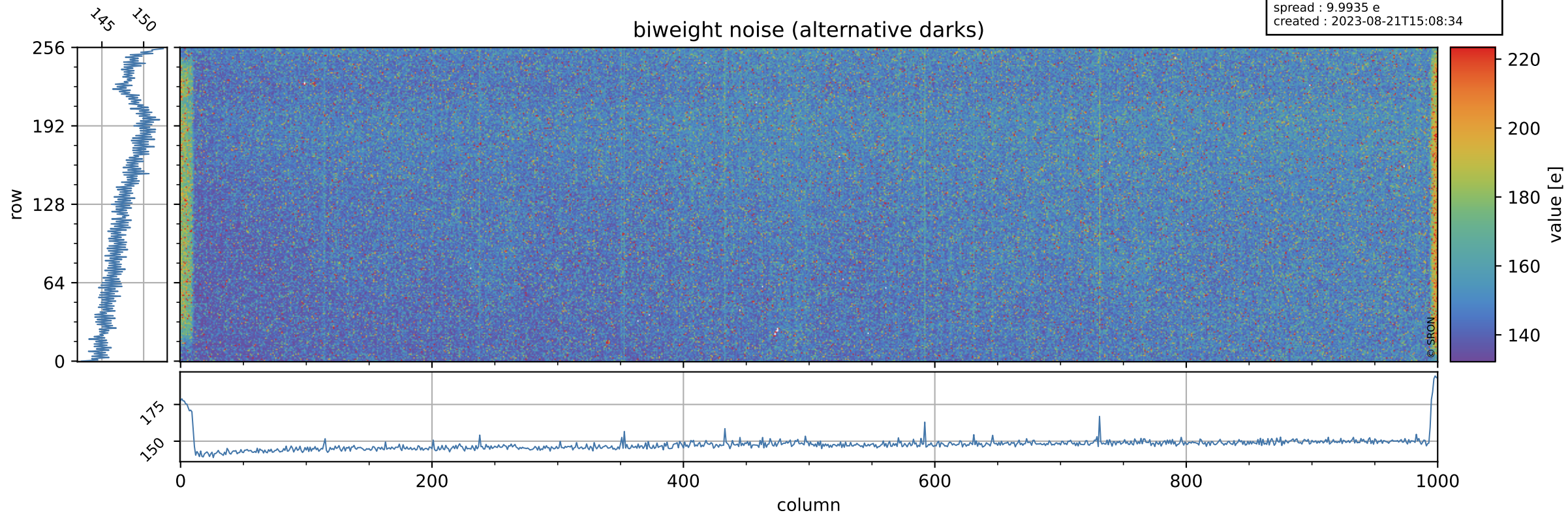
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 9.9935 e  
created : 2023-08-21T15:08:34

## biweight noise (alternative darks)

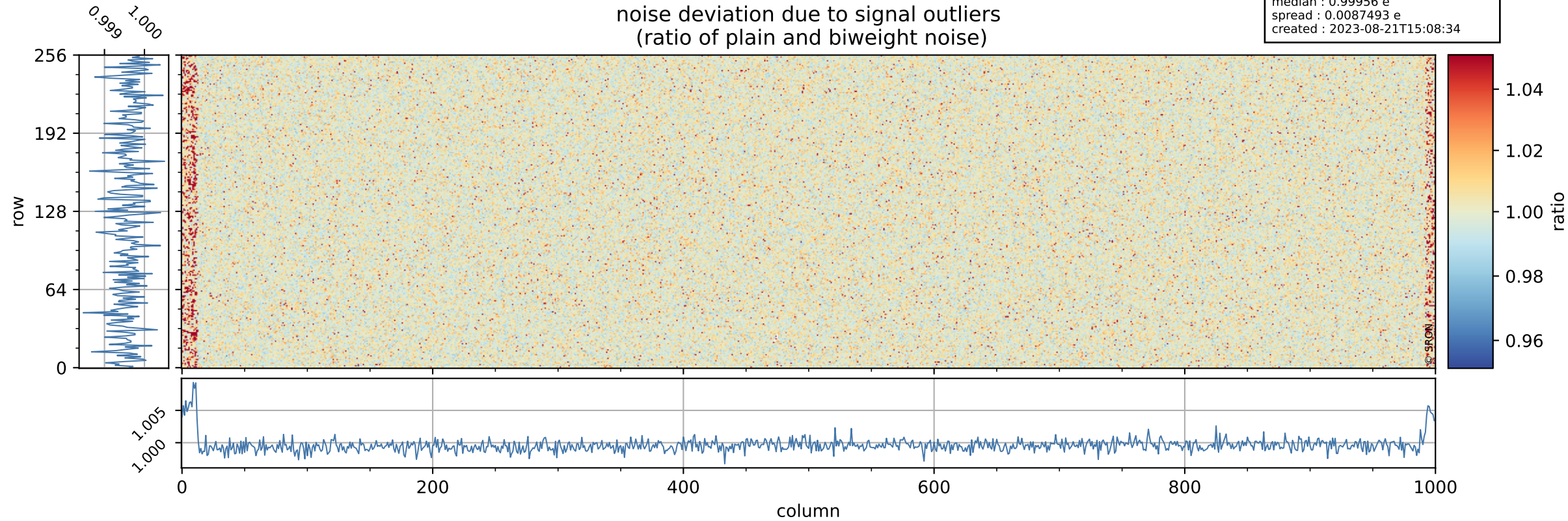




# Tropomi SWIR background noise (swir)

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

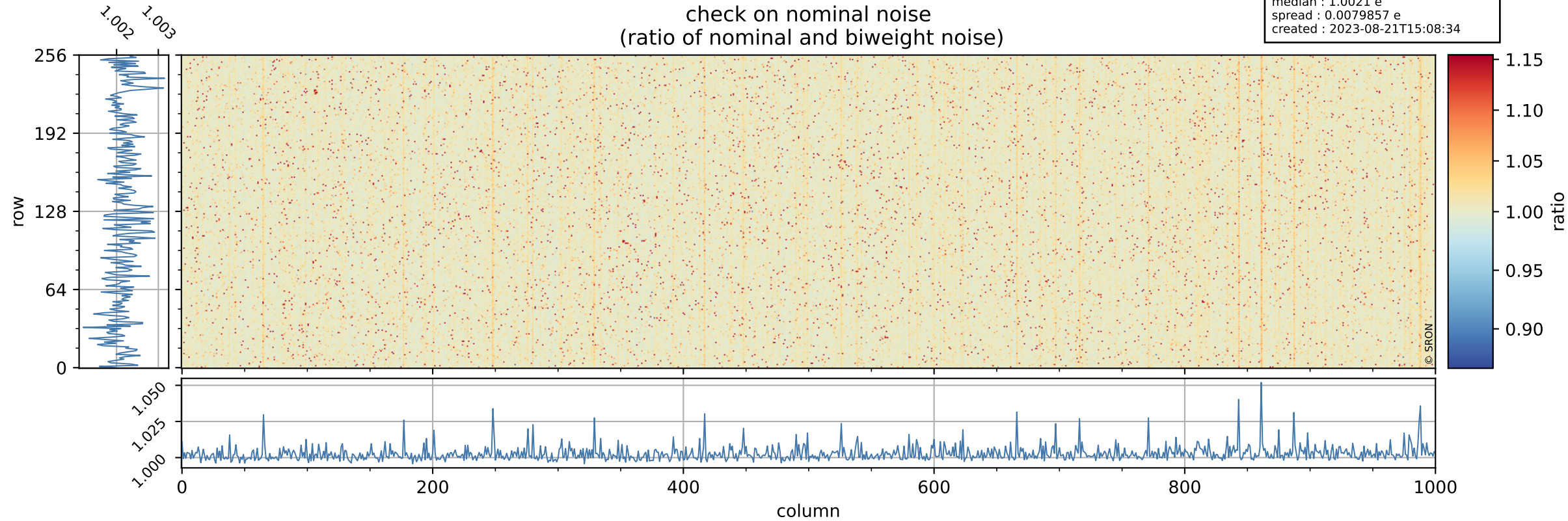
orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
median : 0.99956 e  
spread : 0.0087493 e  
created : 2023-08-21T15:08:34



# Tropomi SWIR background noise (swir)

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

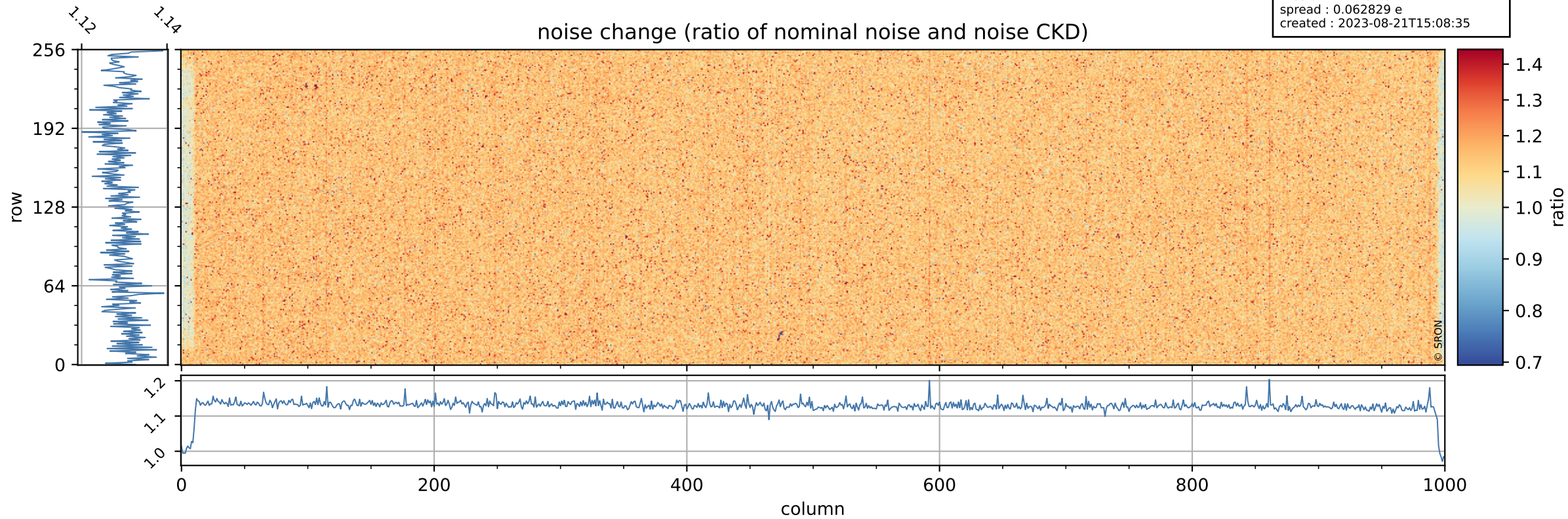
orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
median : 1.0021 e  
spread : 0.0079857 e  
created : 2023-08-21T15:08:34





# Tropomi SWIR background noise (swir)

orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
median : 1.1287 e  
spread : 0.062829 e  
created : 2023-08-21T15:08:35

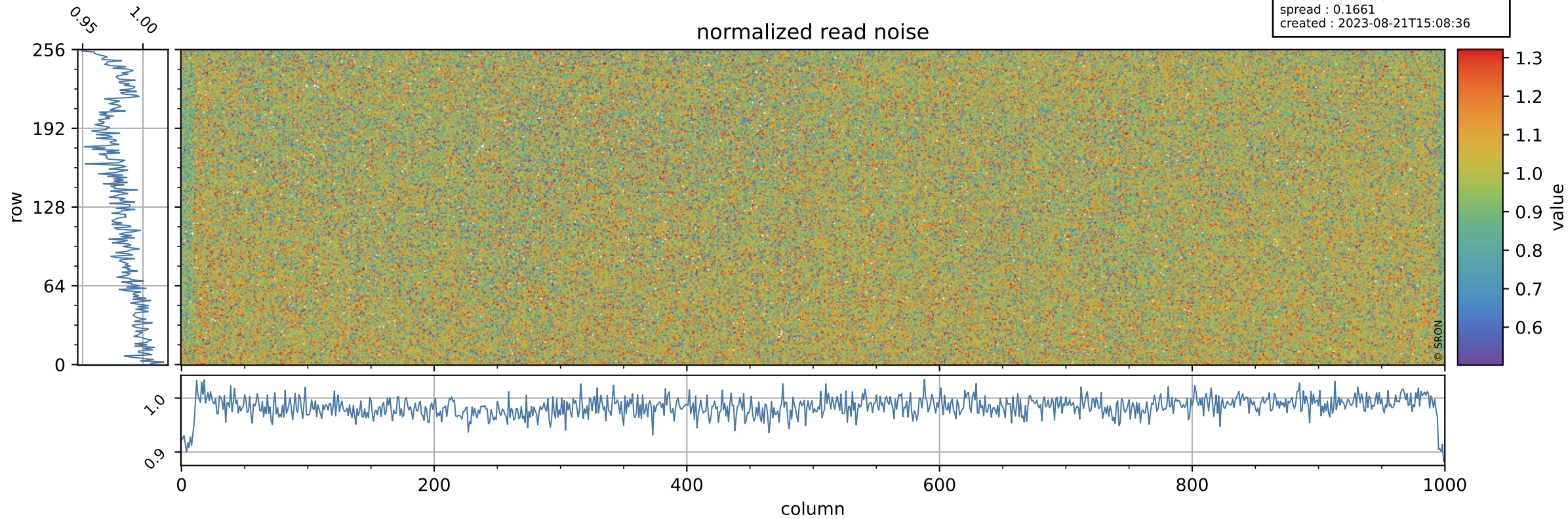




# Tropomi SWIR background noise (swir)

orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
median : 0.98253  
spread : 0.1661  
created : 2023-08-21T15:08:36

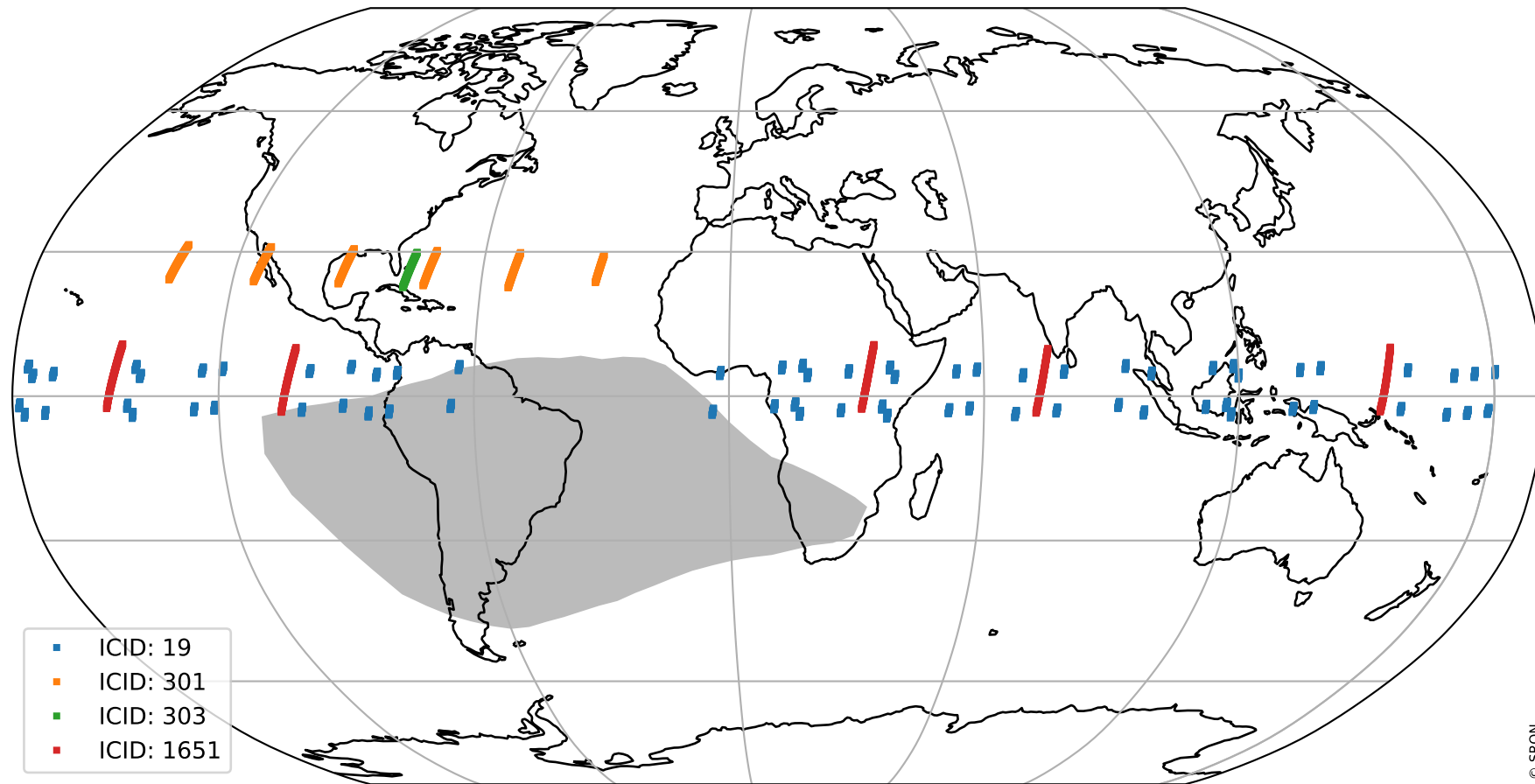
## normalized read noise





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

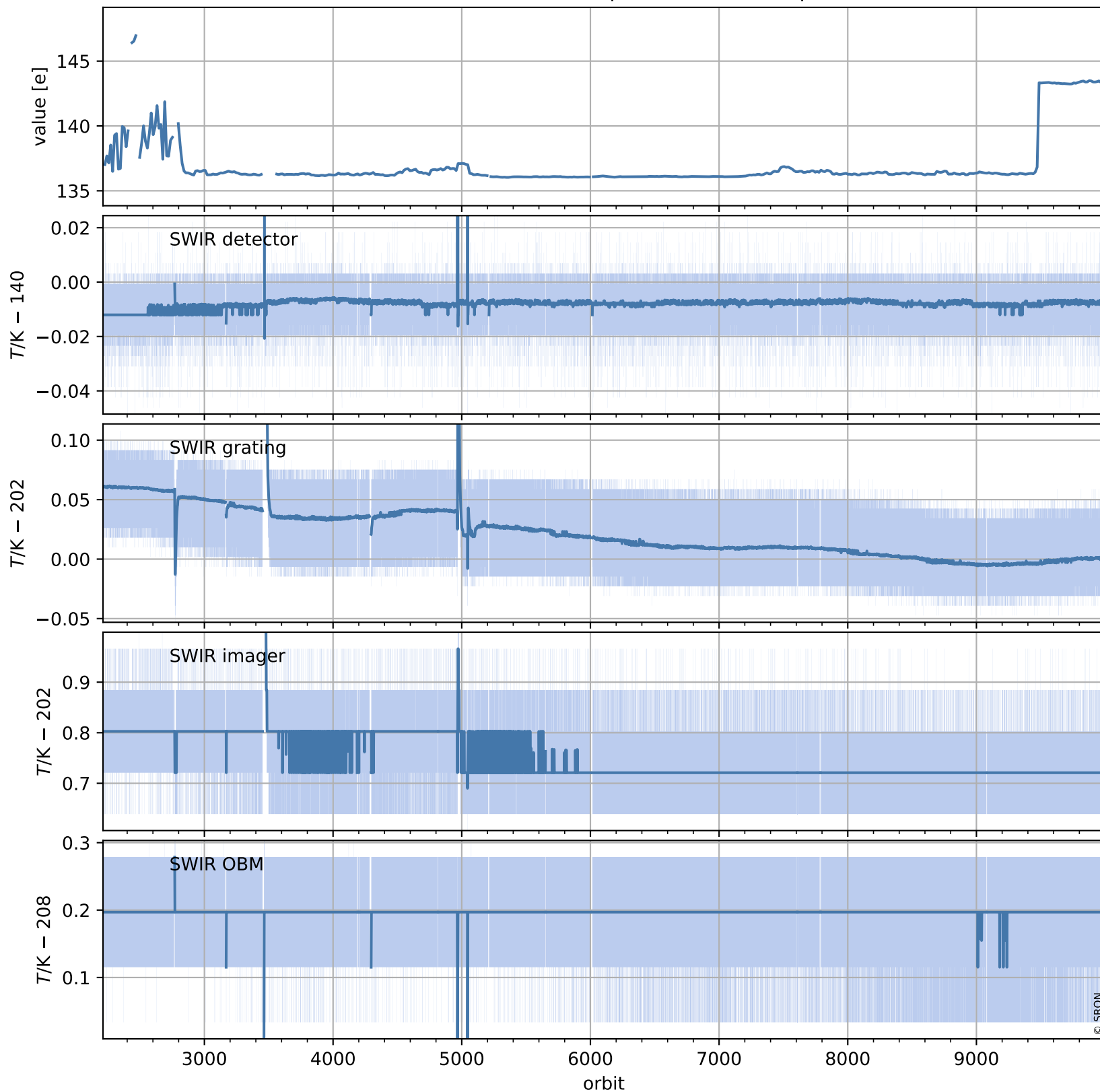
orbits : 12 in [9922, 9997]  
coverage : 2019-09-12 / 2019-09-17  
created : 2023-08-21T15:08:36



# Tropomi SWIR background noise (swir)

orbits : [2212, 9997]  
coverage : 2018-03-18 / 2019-09-17  
created : 2023-08-21T15:08:36

## trend of detector median of plain noise & temperatures

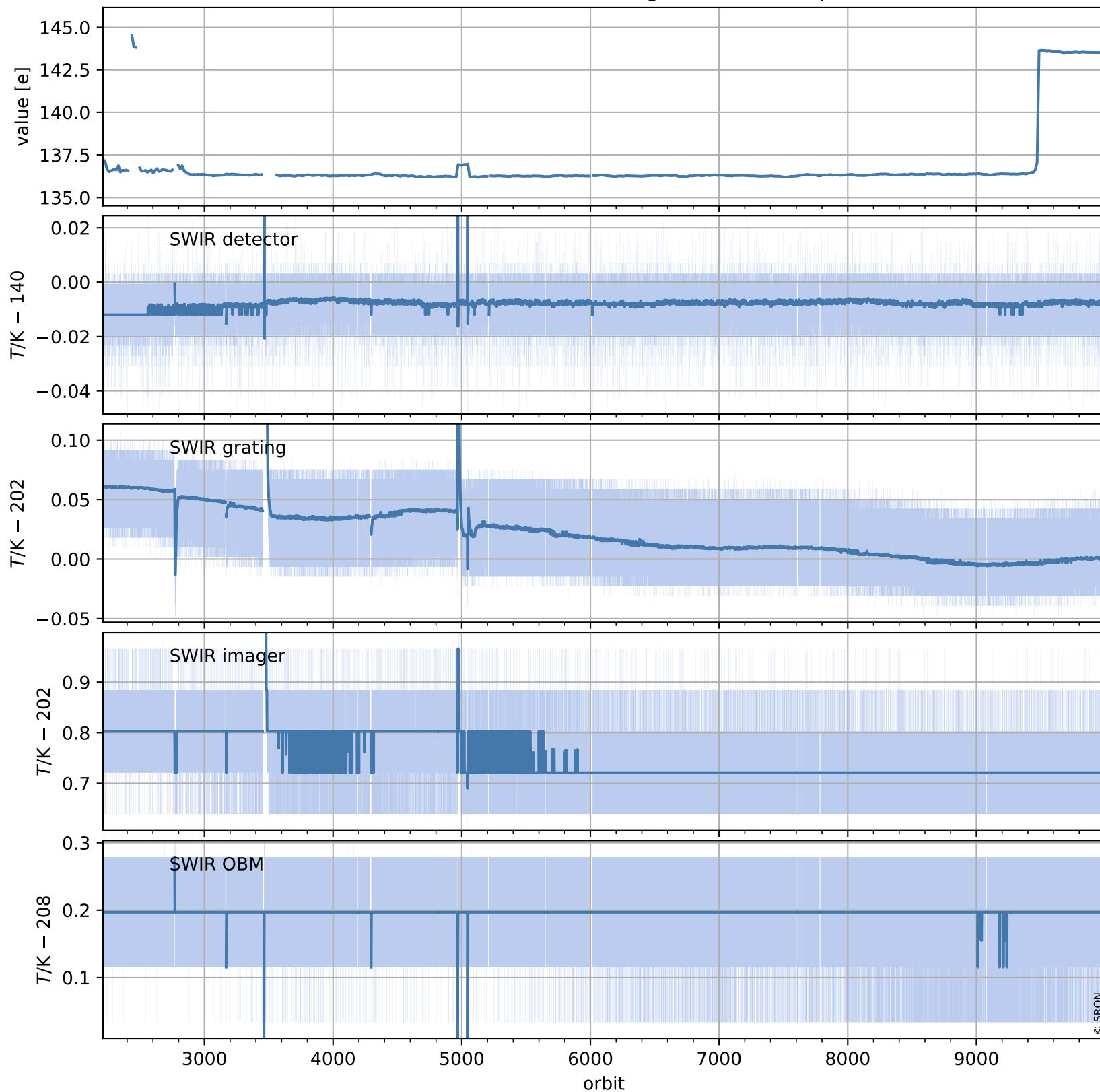




# Tropomi SWIR background noise (swir)

orbits : [2212, 9997]  
coverage : 2018-03-18 / 2019-09-17  
created : 2023-08-21T15:08:37

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9997]  
coverage : 2018-03-18 / 2019-09-17  
created : 2023-08-21T15:08:38

## trend of normalized read-noise & temperatures

