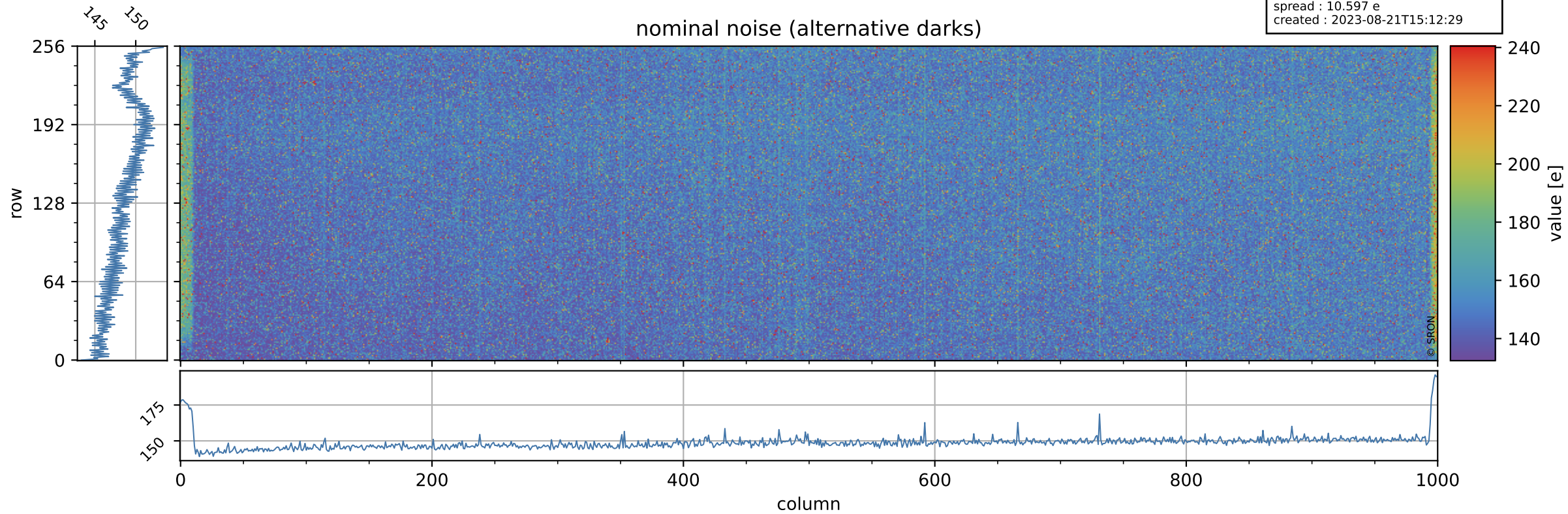


# Tropomi SWIR background noise (swir)

orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.597 e  
created : 2023-08-21T15:12:29

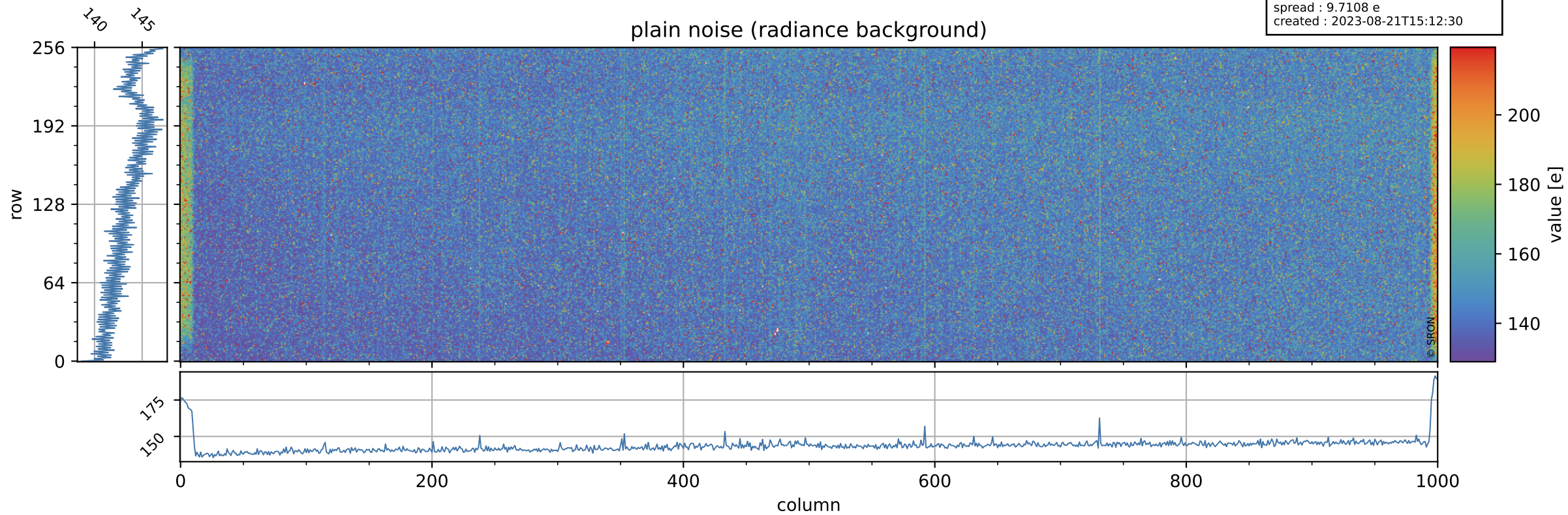
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7108 e  
created : 2023-08-21T15:12:30

plain noise (radiance background)

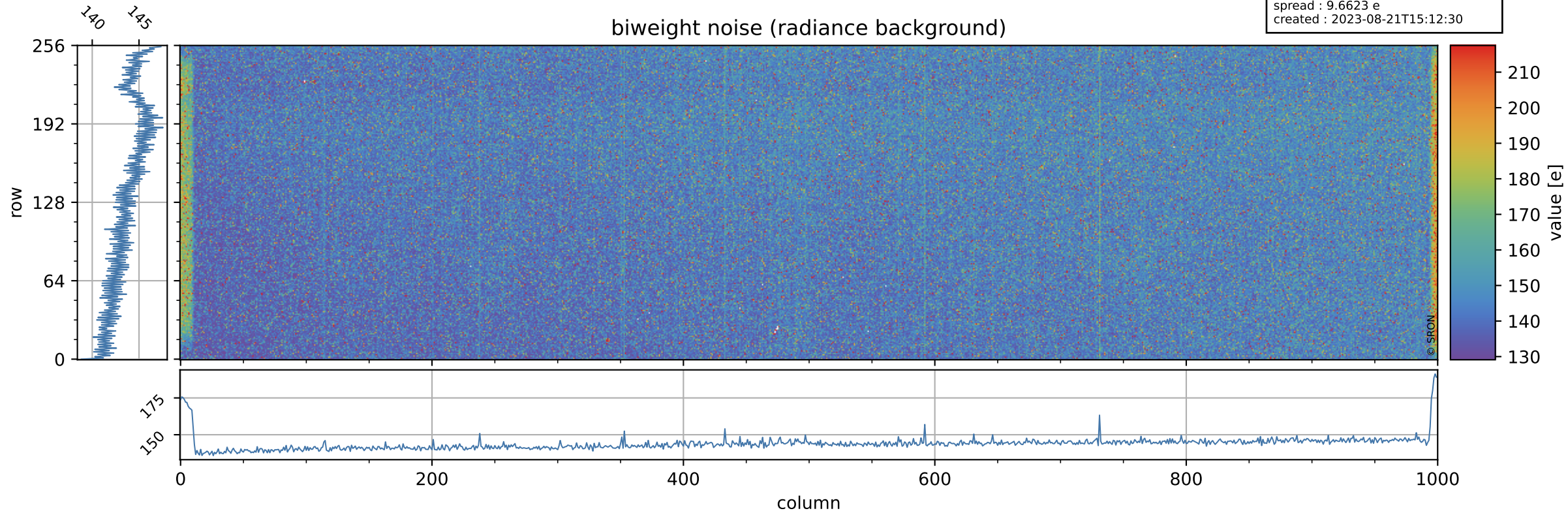




# Tropomi SWIR background noise (swir)

orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6623 e  
created : 2023-08-21T15:12:30

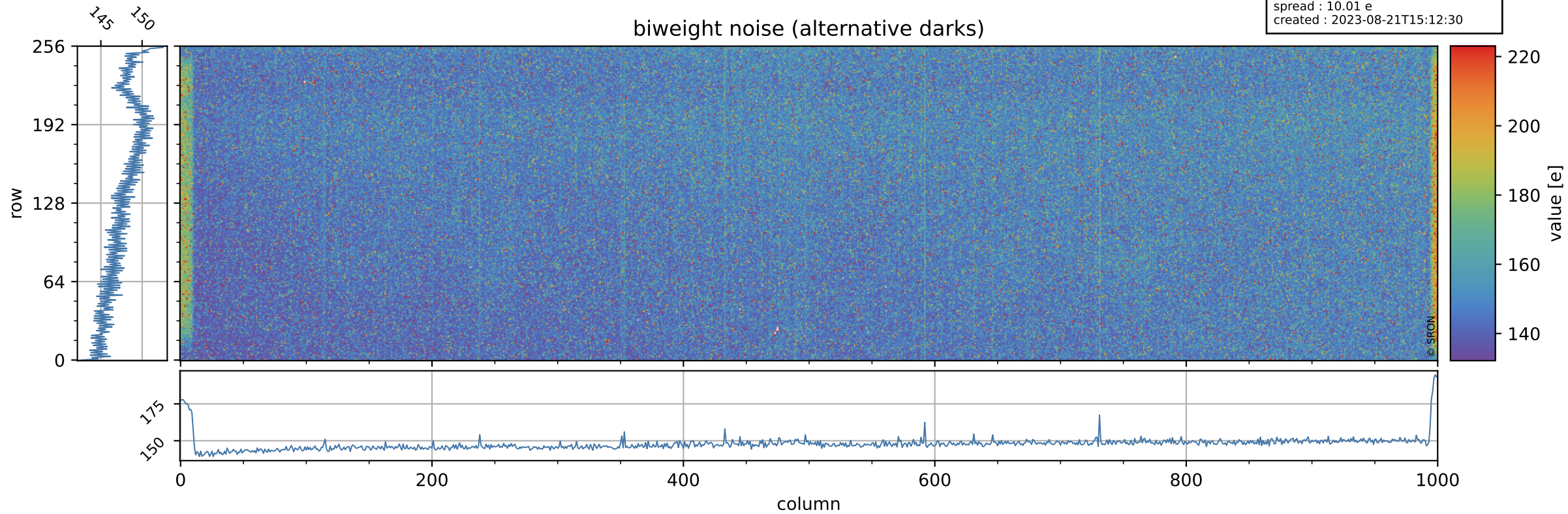
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 10.01 e  
created : 2023-08-21T15:12:30

## biweight noise (alternative darks)

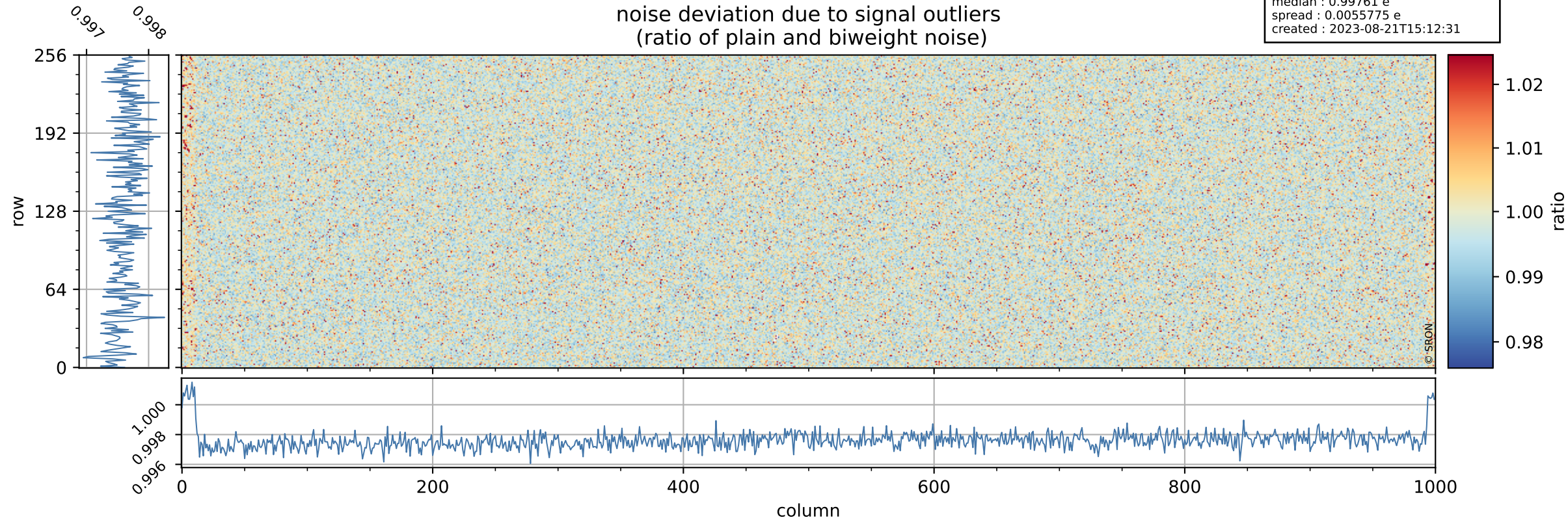




# Tropomi SWIR background noise (swir)

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

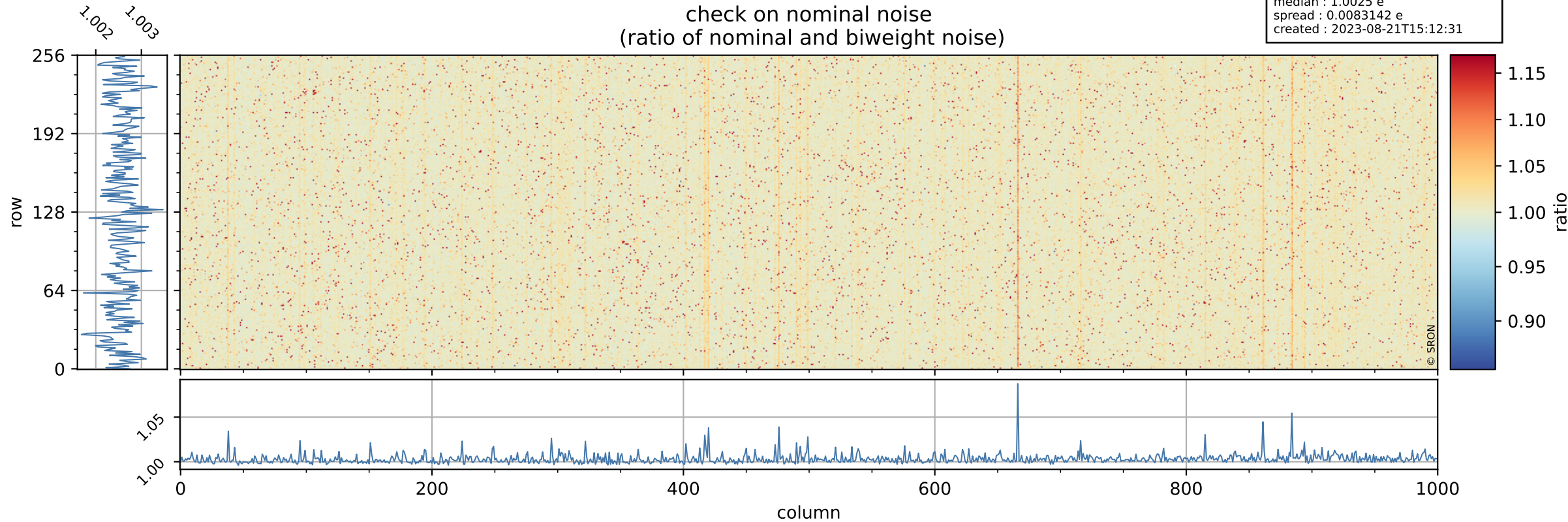
orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
median : 0.99761 e  
spread : 0.0055775 e  
created : 2023-08-21T15:12:31



# Tropomi SWIR background noise (swir)

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

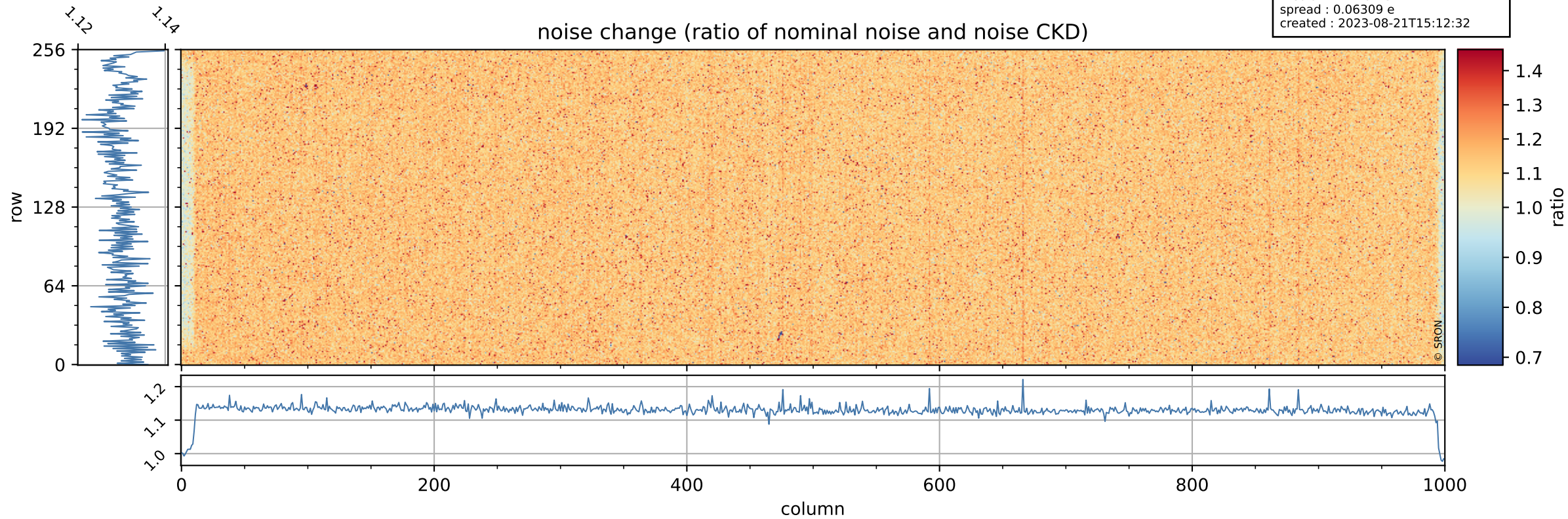
orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
median : 1.0025 e  
spread : 0.0083142 e  
created : 2023-08-21T15:12:31





# Tropomi SWIR background noise (swir)

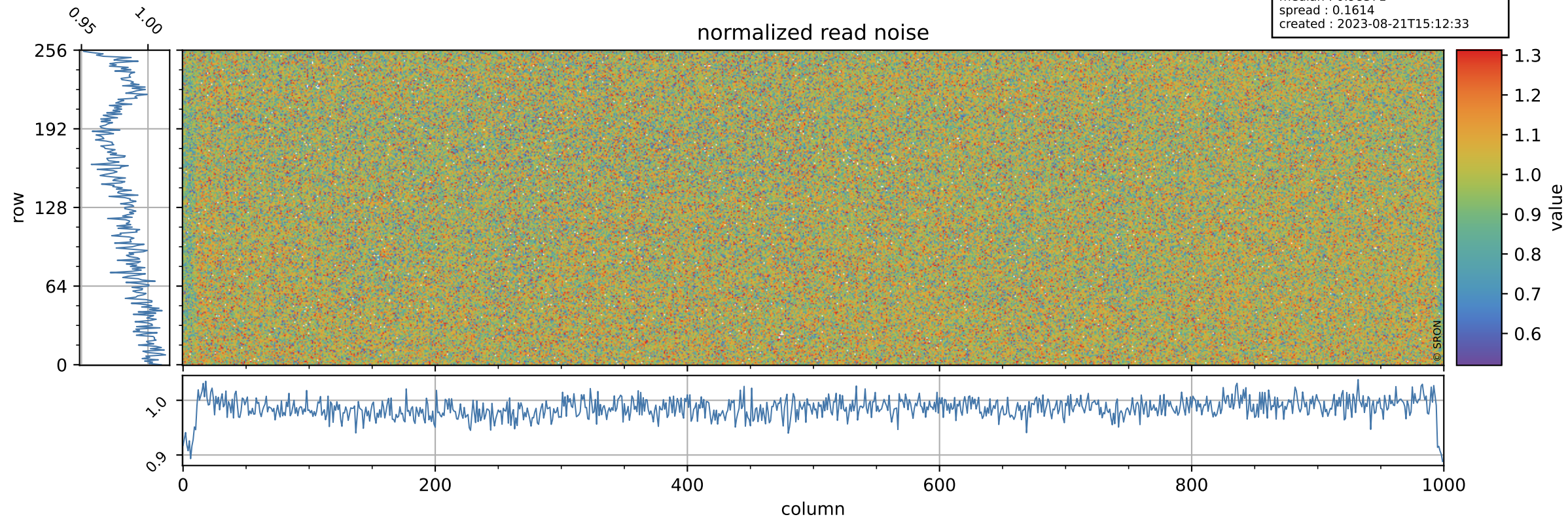
orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
median : 1.1292 e  
spread : 0.06309 e  
created : 2023-08-21T15:12:32





# Tropomi SWIR background noise (swir)

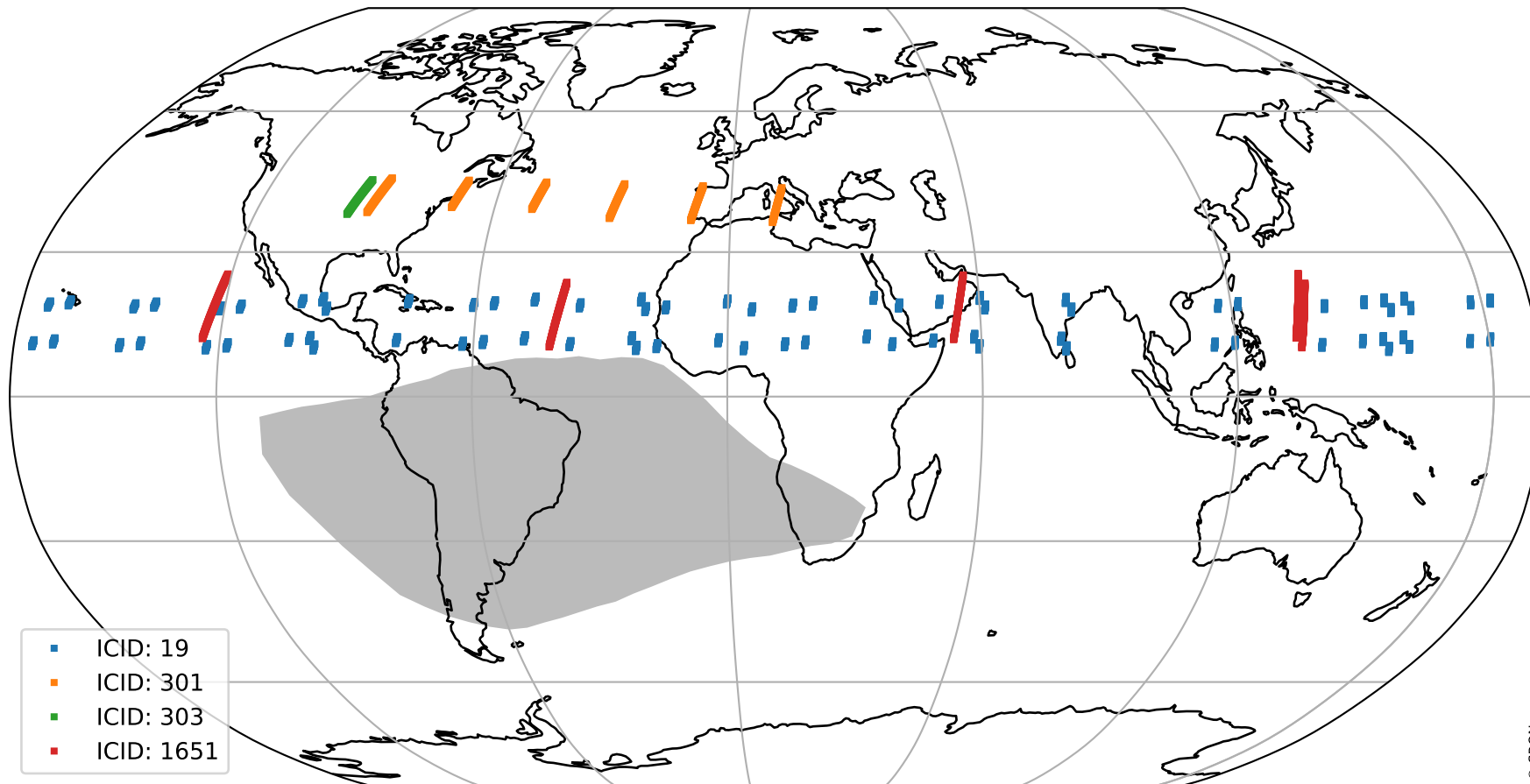
orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
median : 0.98371  
spread : 0.1614  
created : 2023-08-21T15:12:33





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

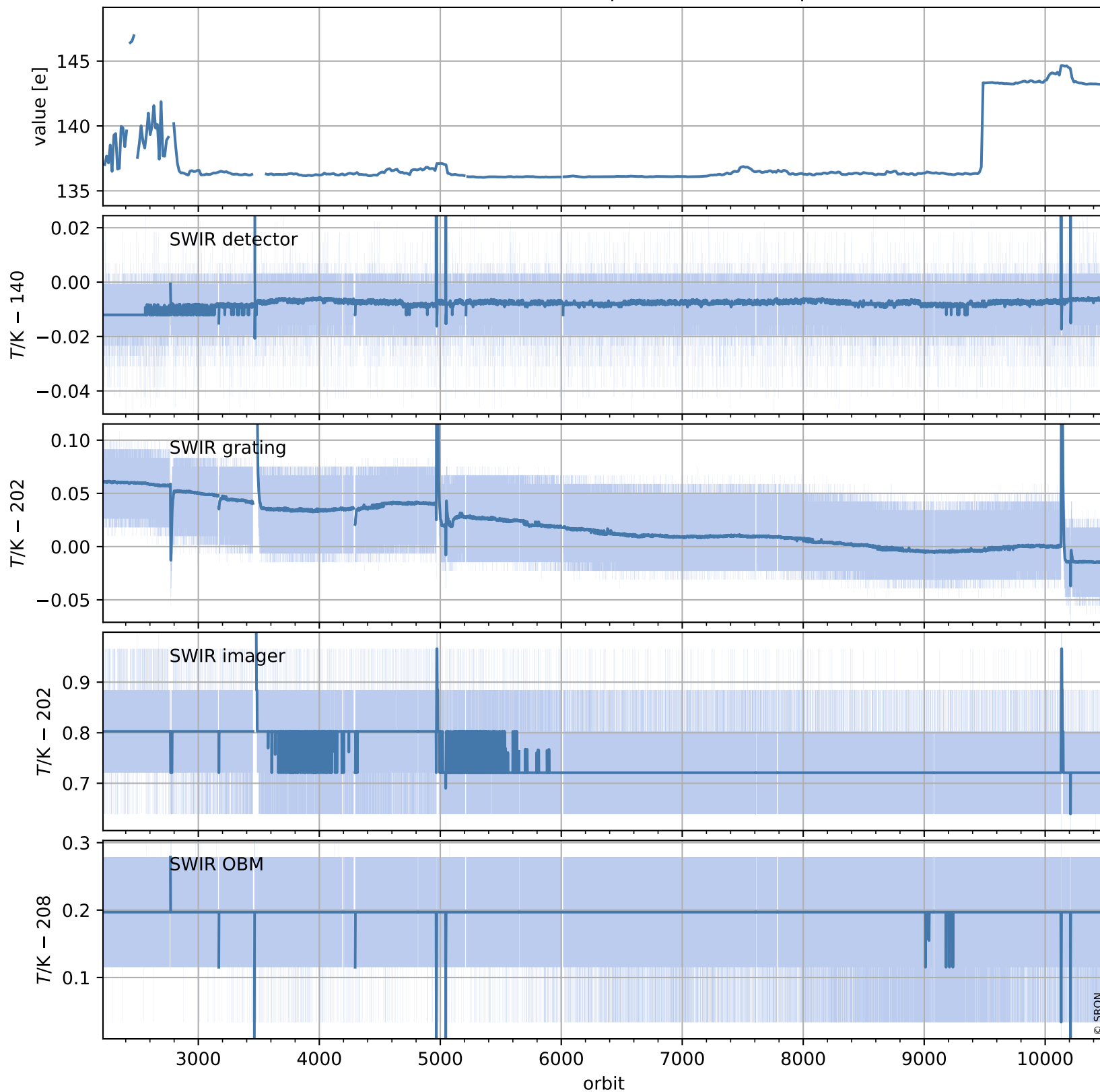
orbits : 12 in [10402, 10492]  
coverage : 2019-10-16 / 2019-10-22  
created : 2023-08-21T15:12:33



# Tropomi SWIR background noise (swir)

orbits : [2212, 10492]  
coverage : 2018-03-18 / 2019-10-22  
created : 2023-08-21T15:12:33

## trend of detector median of plain noise & temperatures

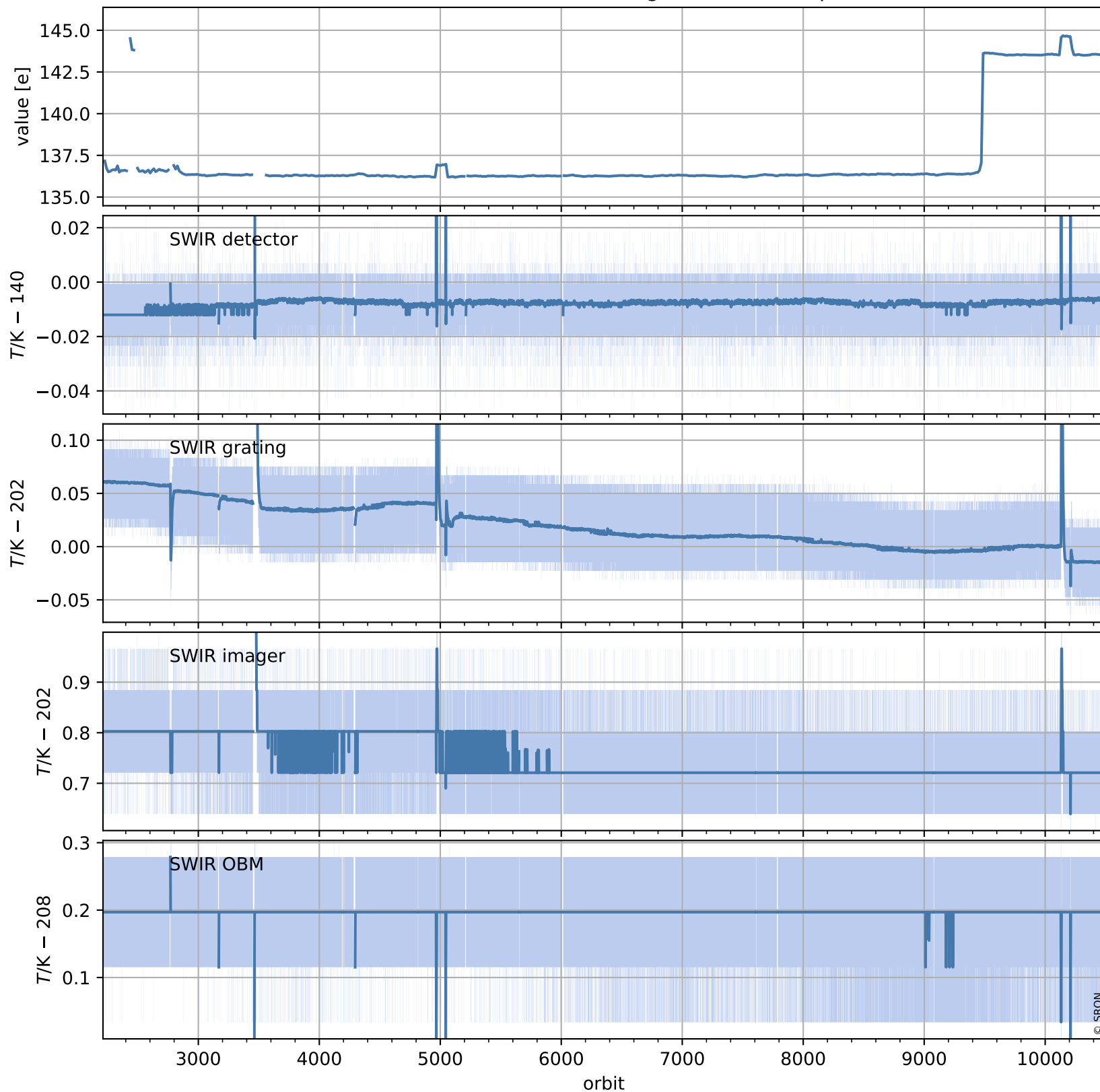




# Tropomi SWIR background noise (swir)

orbits : [2212, 10492]  
coverage : 2018-03-18 / 2019-10-22  
created : 2023-08-21T15:12:34

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10492]  
coverage : 2018-03-18 / 2019-10-22  
created : 2023-08-21T15:12:35

## trend of normalized read-noise & temperatures

