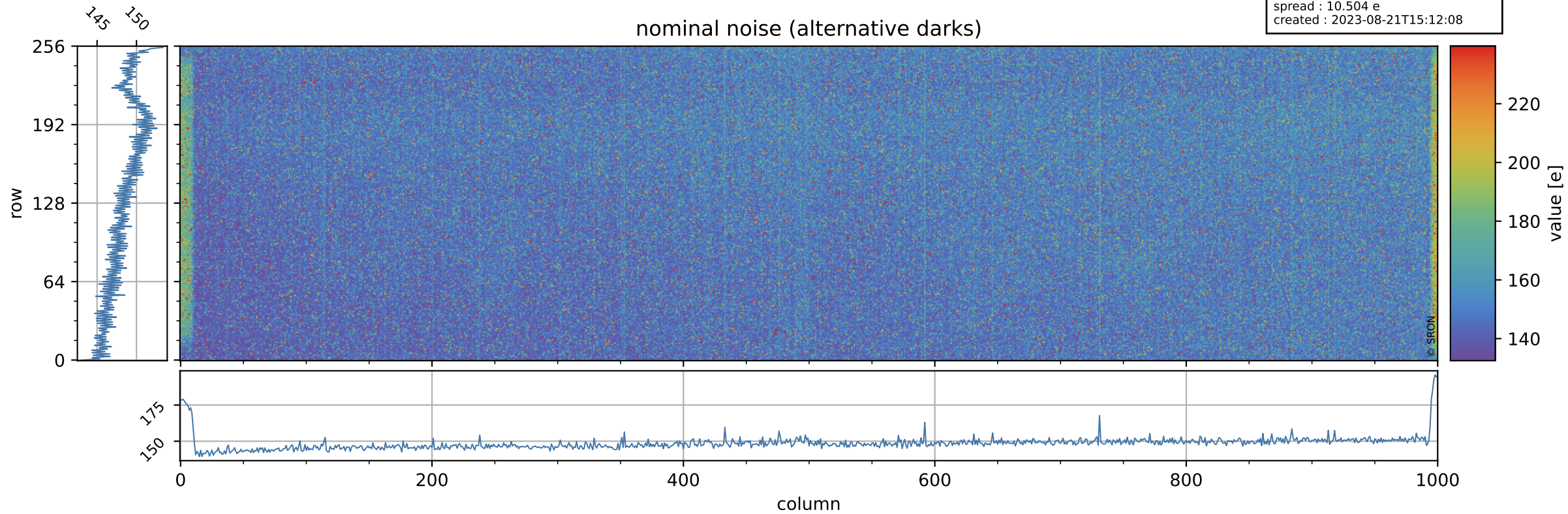


# Tropomi SWIR background noise (swir)

orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.37 e  
spread : 10.504 e  
created : 2023-08-21T15:12:08

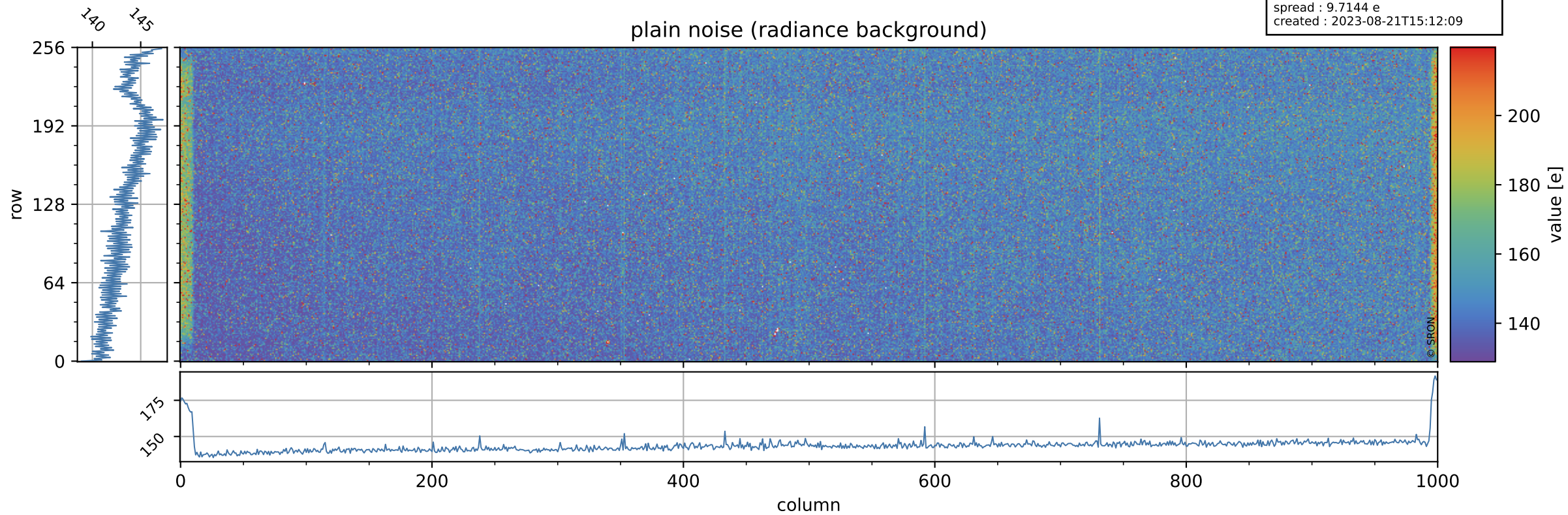
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.35 e  
spread : 9.7144 e  
created : 2023-08-21T15:12:09

plain noise (radiance background)

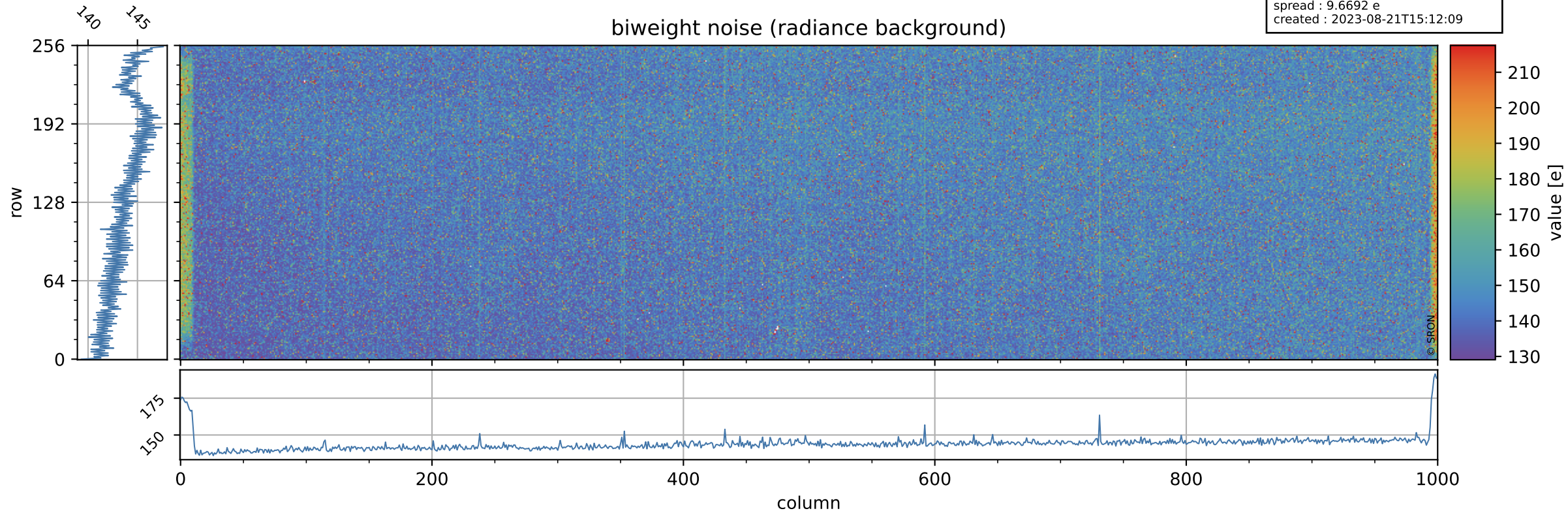




# Tropomi SWIR background noise (swir)

orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6692 e  
created : 2023-08-21T15:12:09

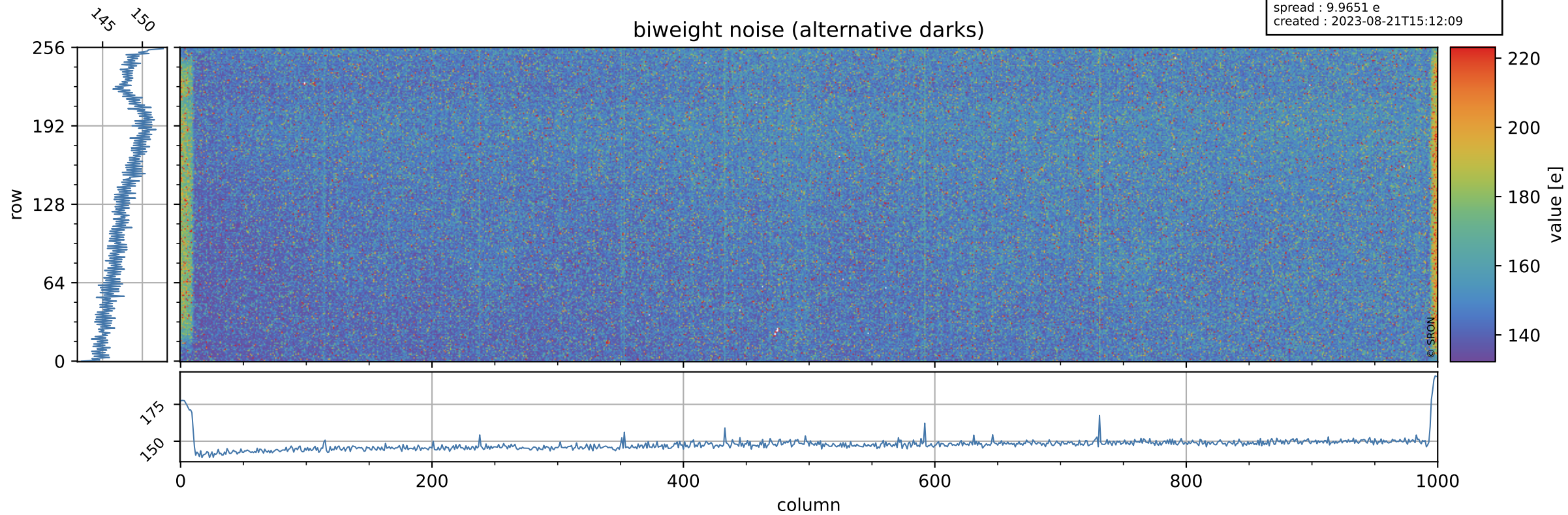
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 9.9651 e  
created : 2023-08-21T15:12:09

## biweight noise (alternative darks)

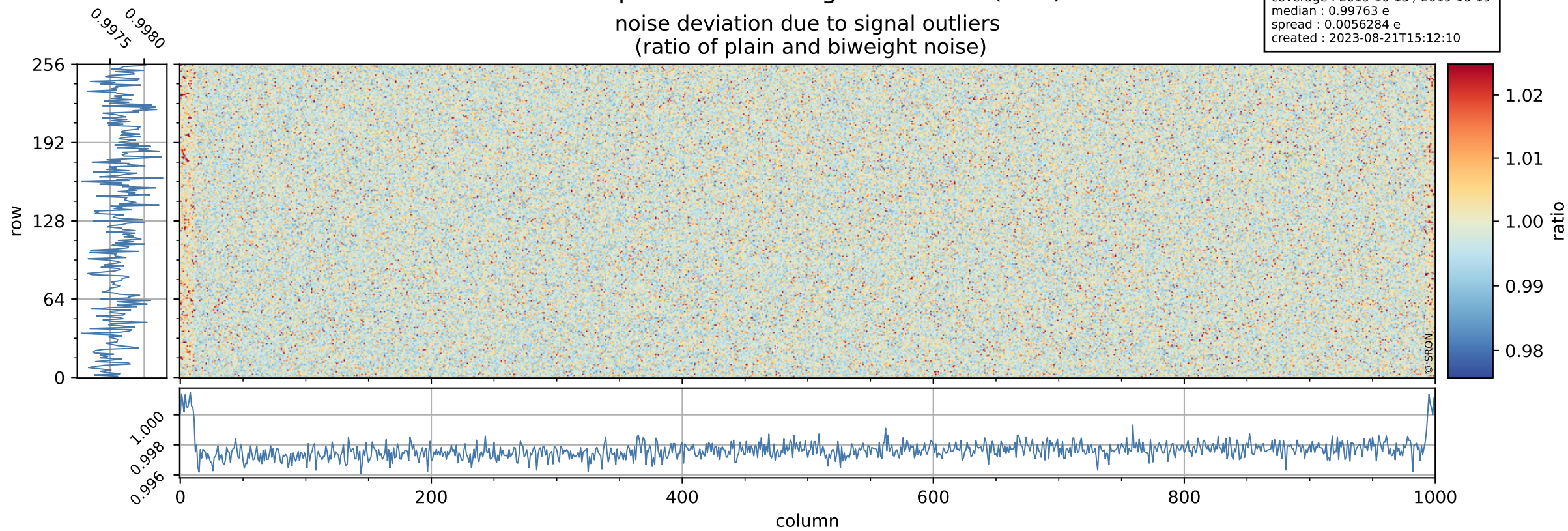




# Tropomi SWIR background noise (swir)

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

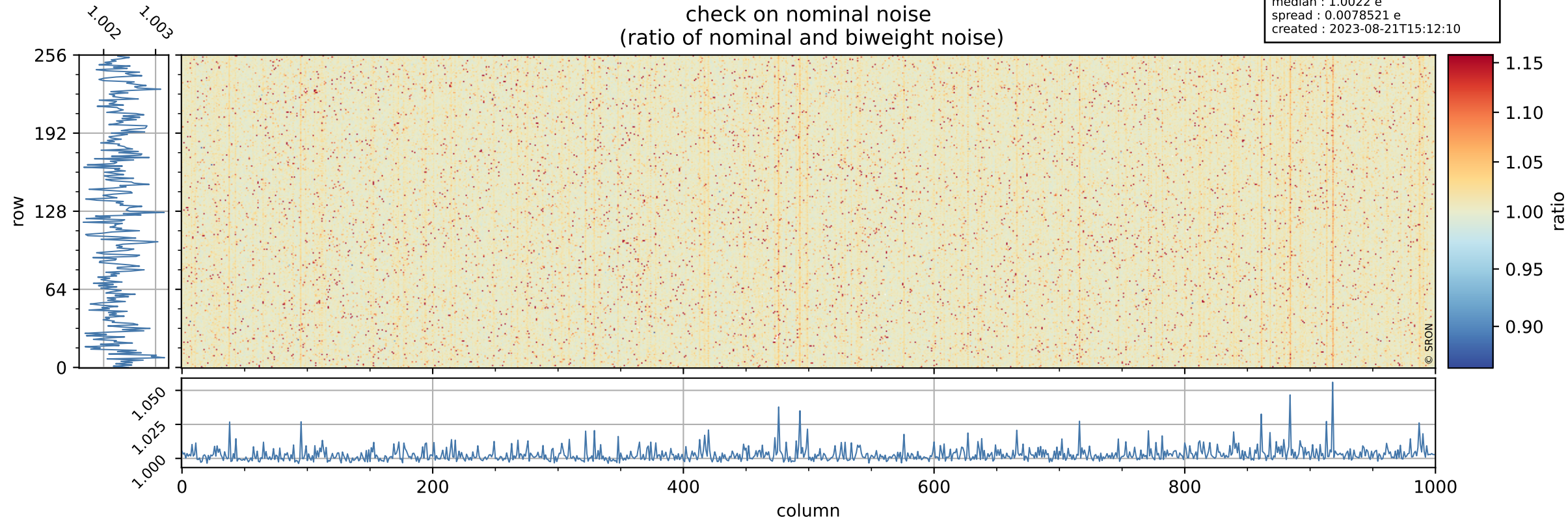
orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
median : 0.99763 e  
spread : 0.0056284 e  
created : 2023-08-21T15:12:10



# Tropomi SWIR background noise (swir)

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

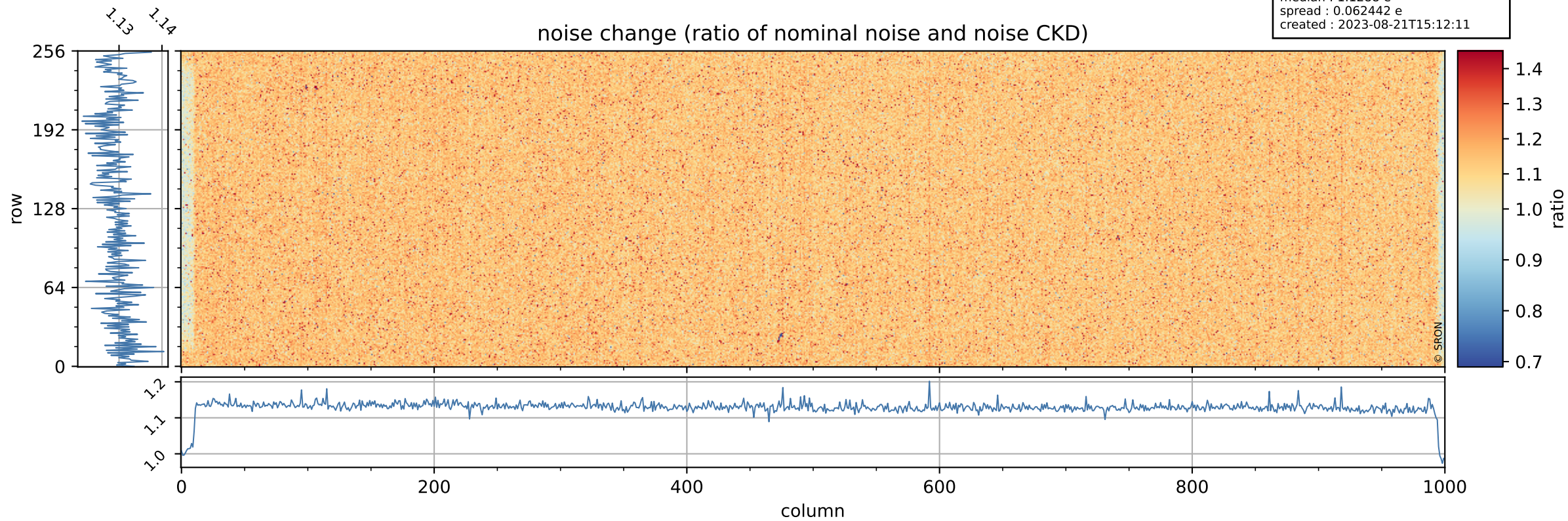
orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
median : 1.0022 e  
spread : 0.0078521 e  
created : 2023-08-21T15:12:10





# Tropomi SWIR background noise (swir)

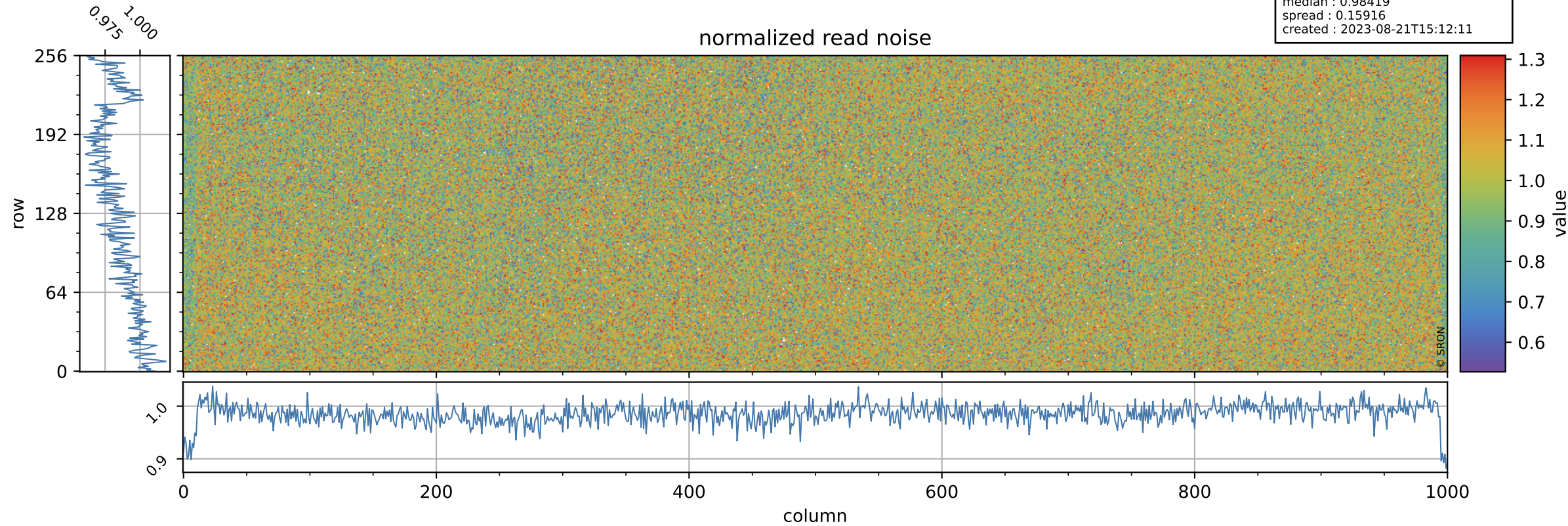
orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
median : 1.1288 e  
spread : 0.062442 e  
created : 2023-08-21T15:12:11





# Tropomi SWIR background noise (swir)

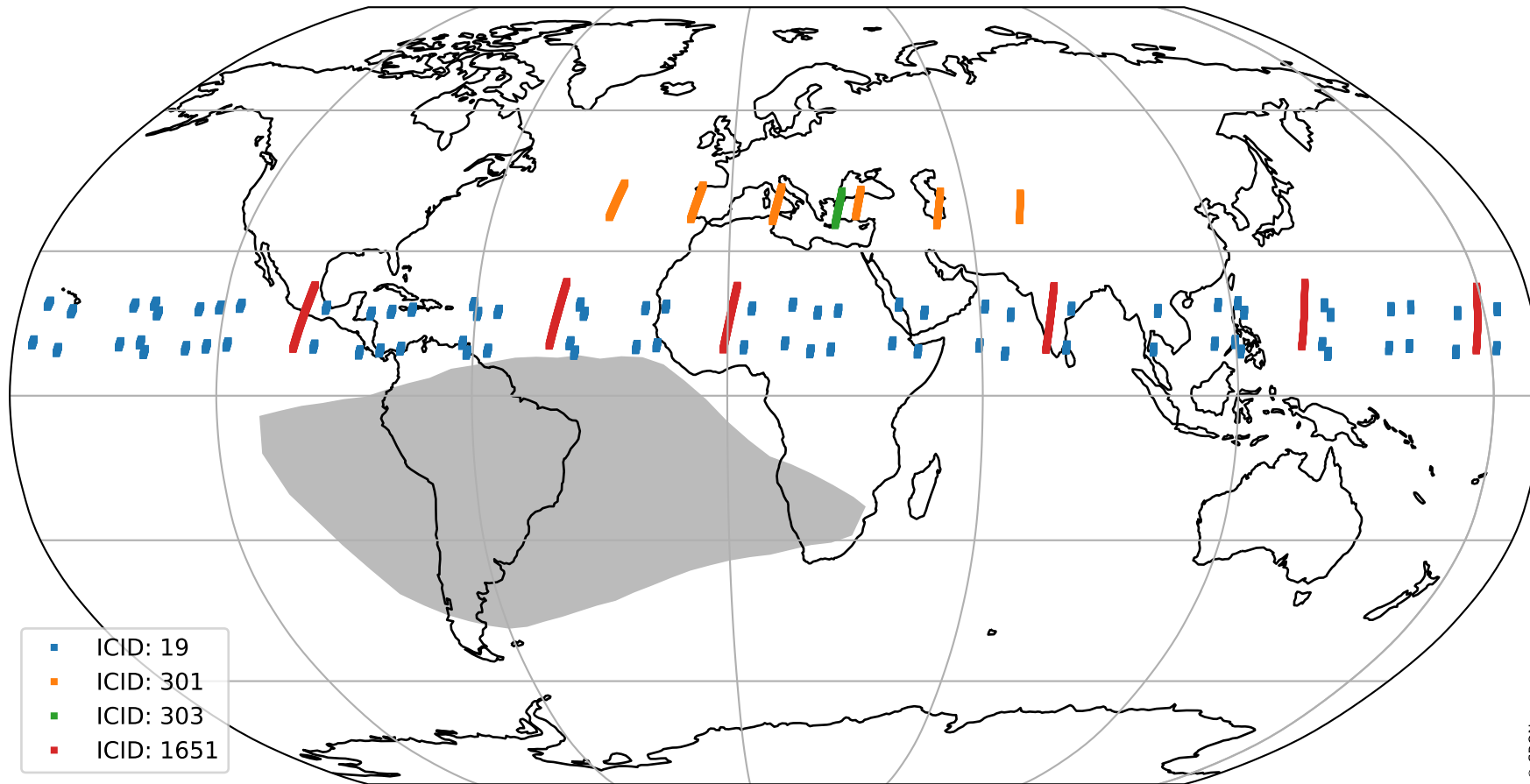
orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
median : 0.98419  
spread : 0.15916  
created : 2023-08-21T15:12:11





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

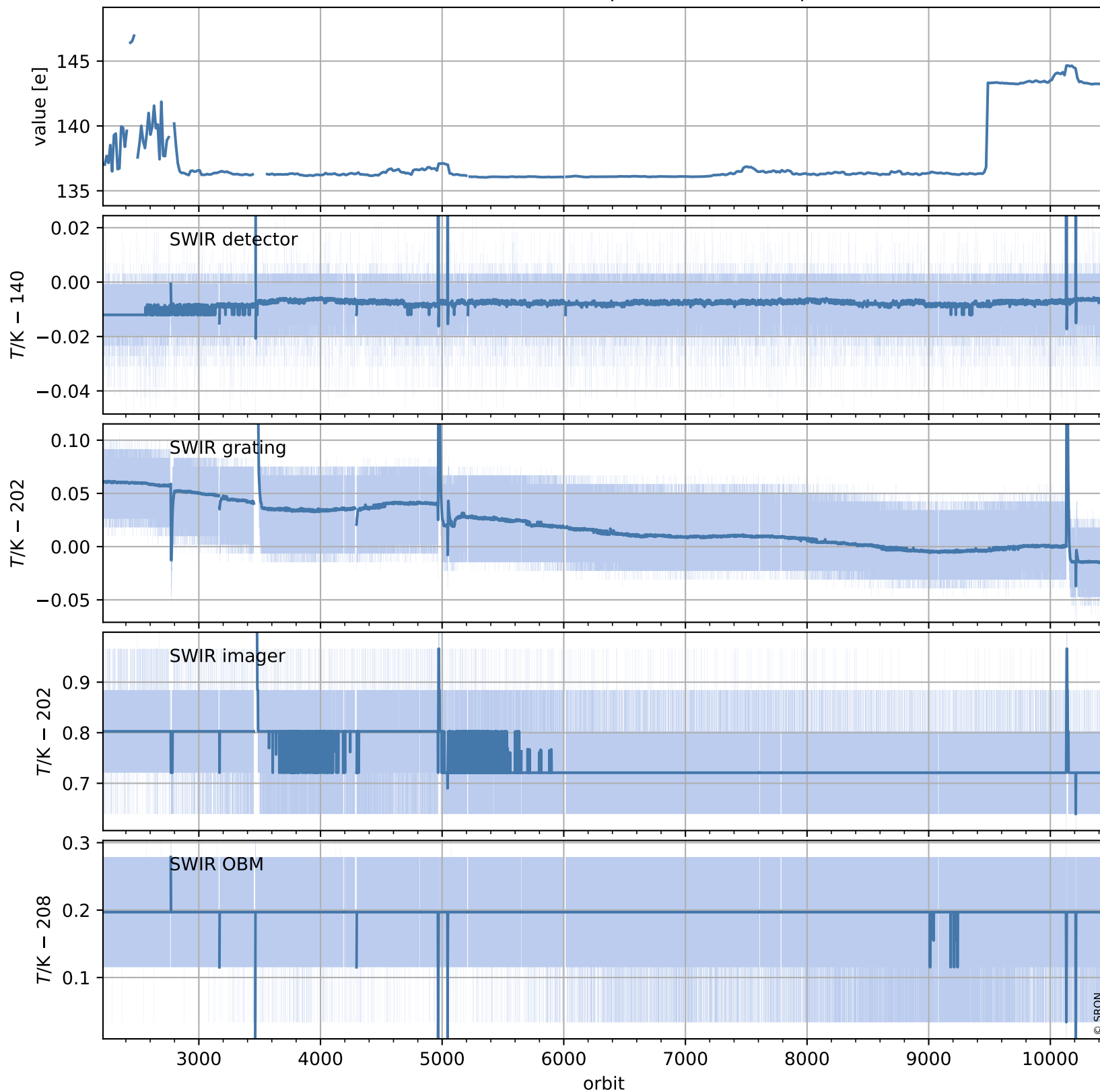
orbits : 13 in [10372, 10447]  
coverage : 2019-10-13 / 2019-10-19  
created : 2023-08-21T15:12:11



# Tropomi SWIR background noise (swir)

orbits : [2212, 10447]  
coverage : 2018-03-18 / 2019-10-19  
created : 2023-08-21T15:12:12

## trend of detector median of plain noise & temperatures

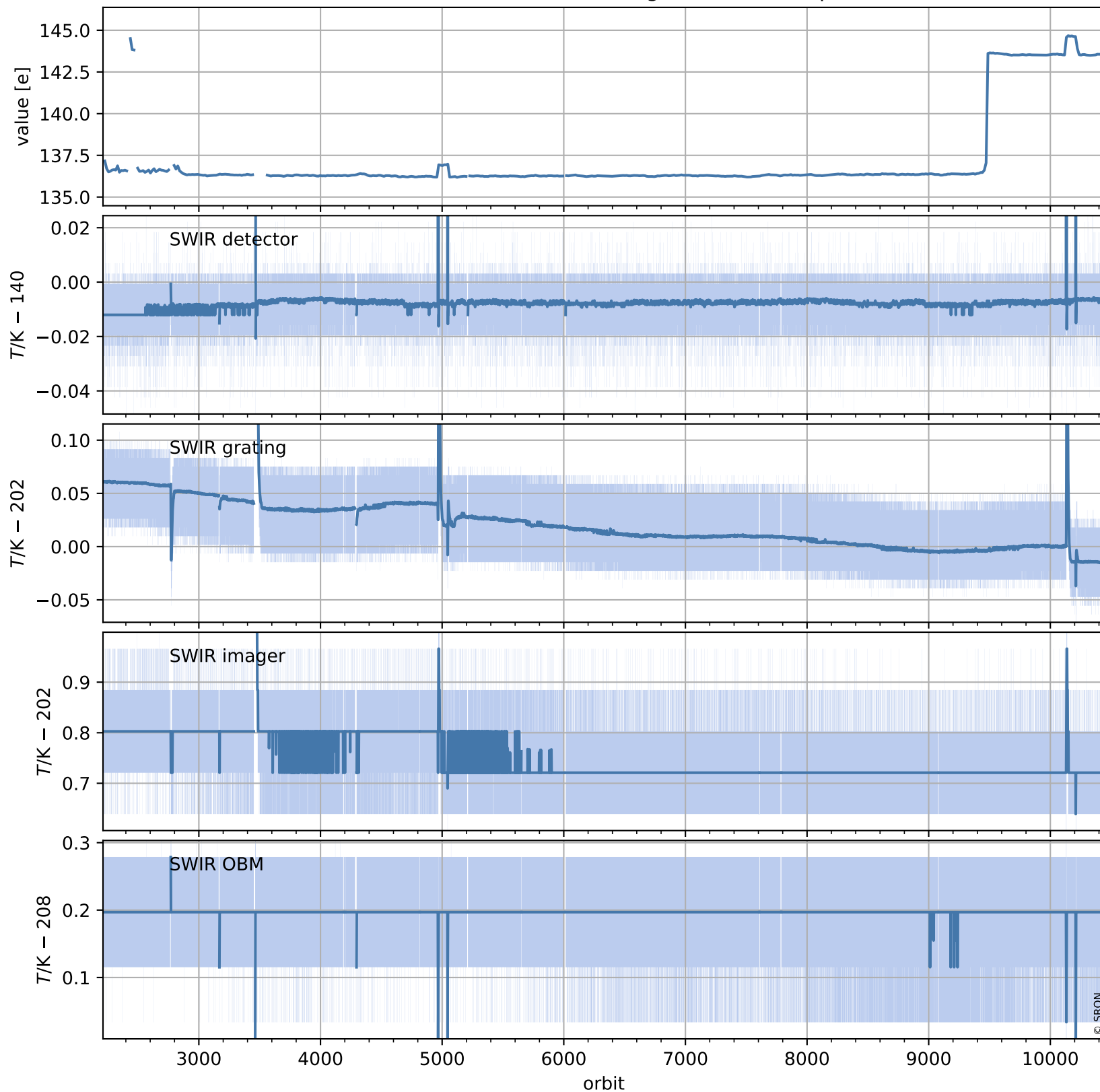




# Tropomi SWIR background noise (swir)

orbits : [2212, 10447]  
coverage : 2018-03-18 / 2019-10-19  
created : 2023-08-21T15:12:13

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10447]  
coverage : 2018-03-18 / 2019-10-19  
created : 2023-08-21T15:12:14

## trend of normalized read-noise & temperatures

