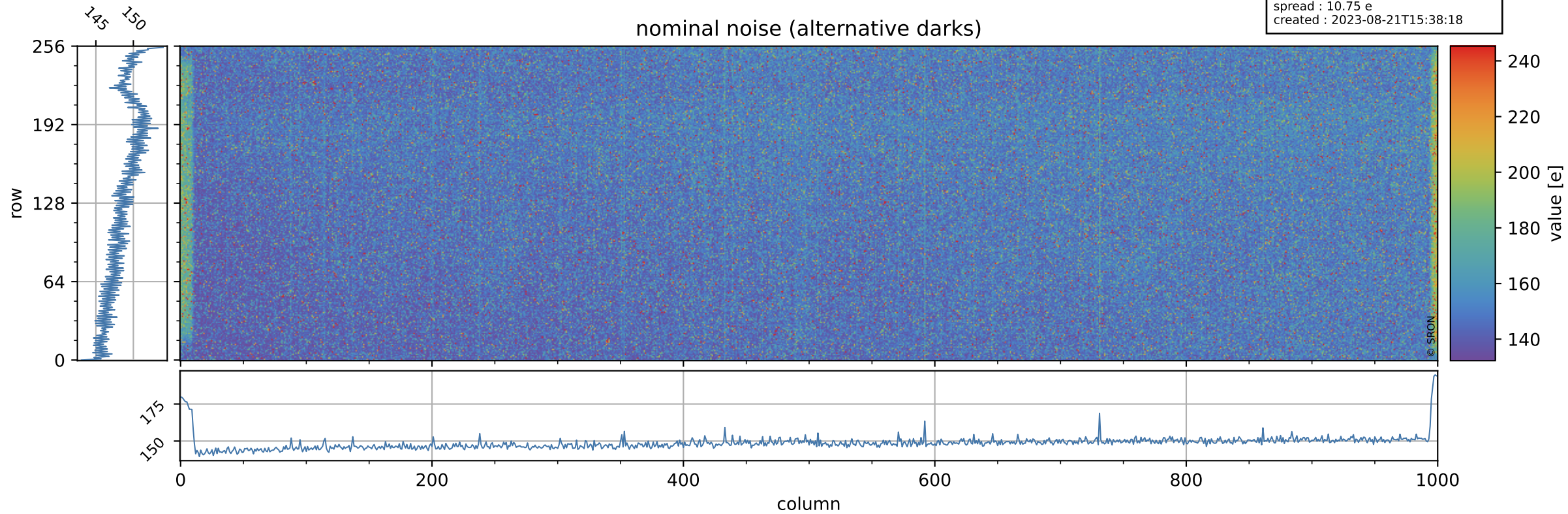


# Tropomi SWIR background noise (swir)

orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.53 e  
spread : 10.75 e  
created : 2023-08-21T15:38:18

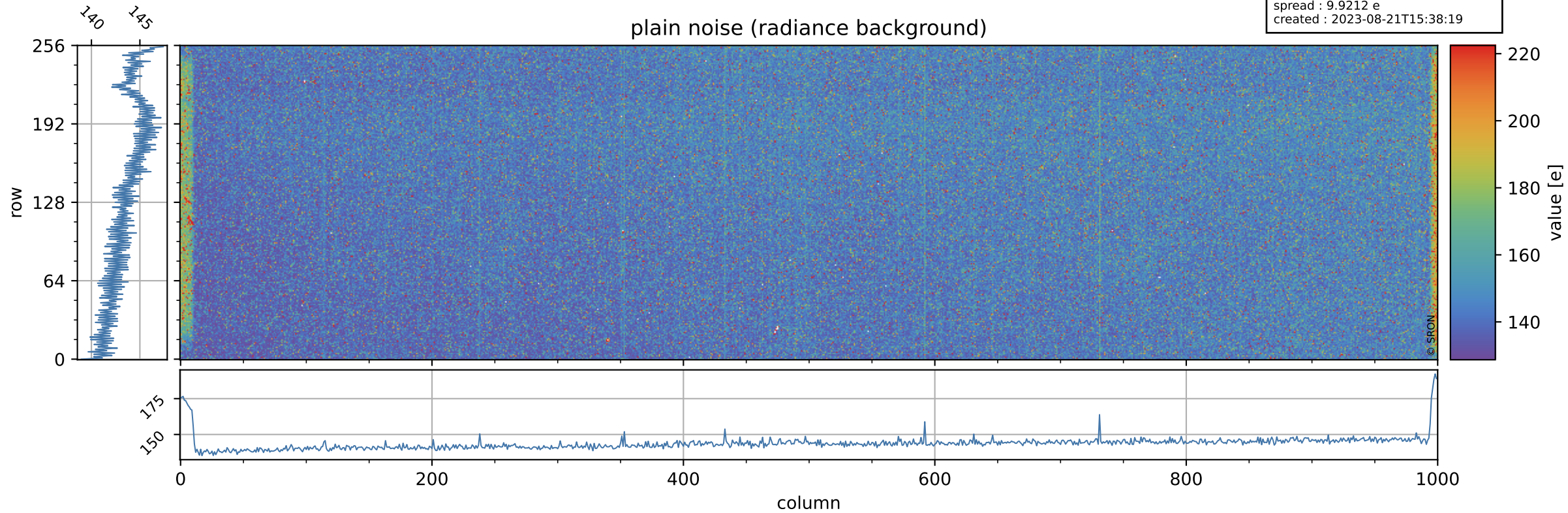
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.49 e  
spread : 9.9212 e  
created : 2023-08-21T15:38:19

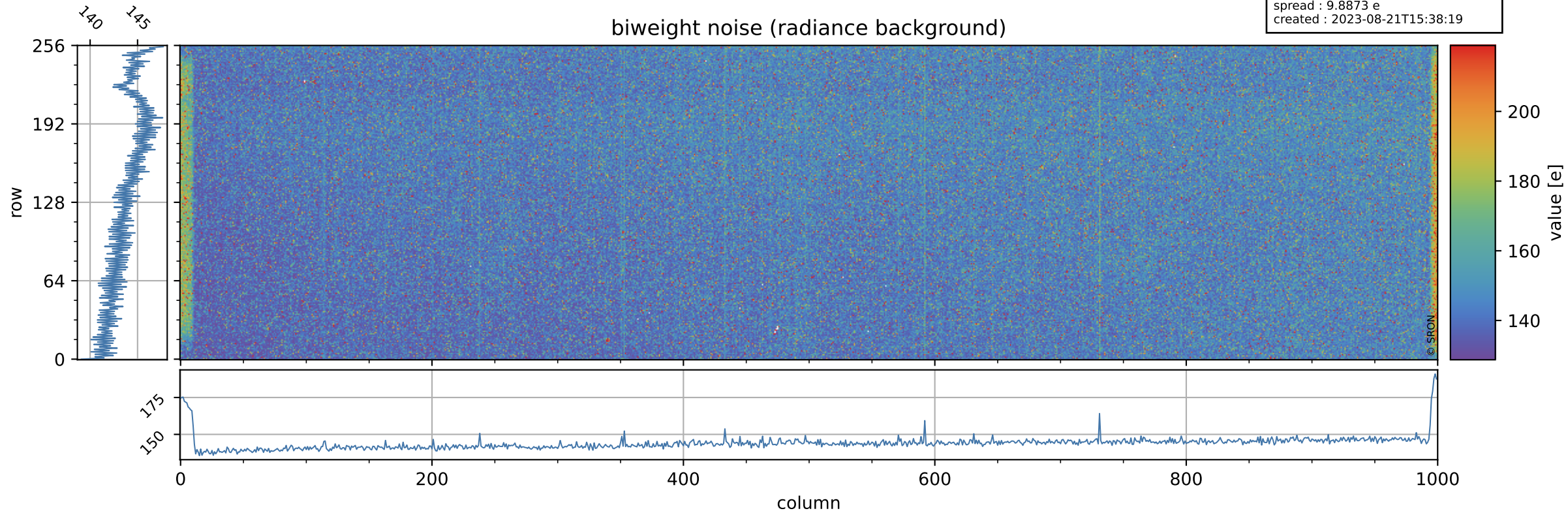
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

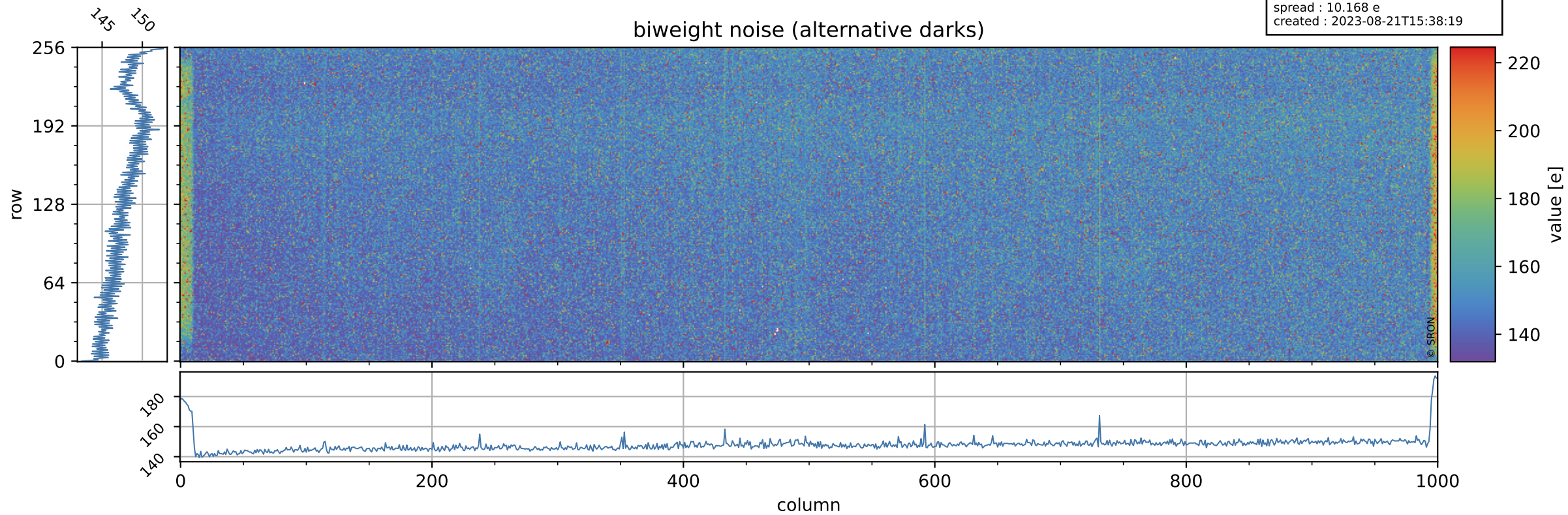
orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8873 e  
created : 2023-08-21T15:38:19

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

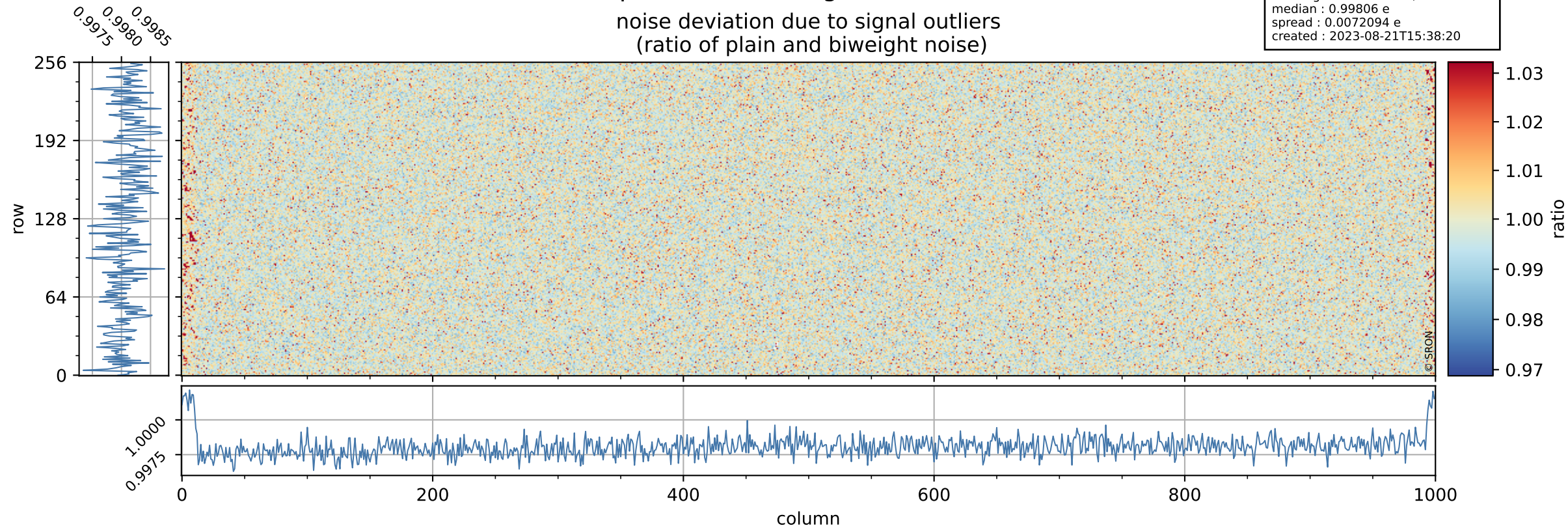
orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 10.168 e  
created : 2023-08-21T15:38:19



# Tropomi SWIR background noise (swir)

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

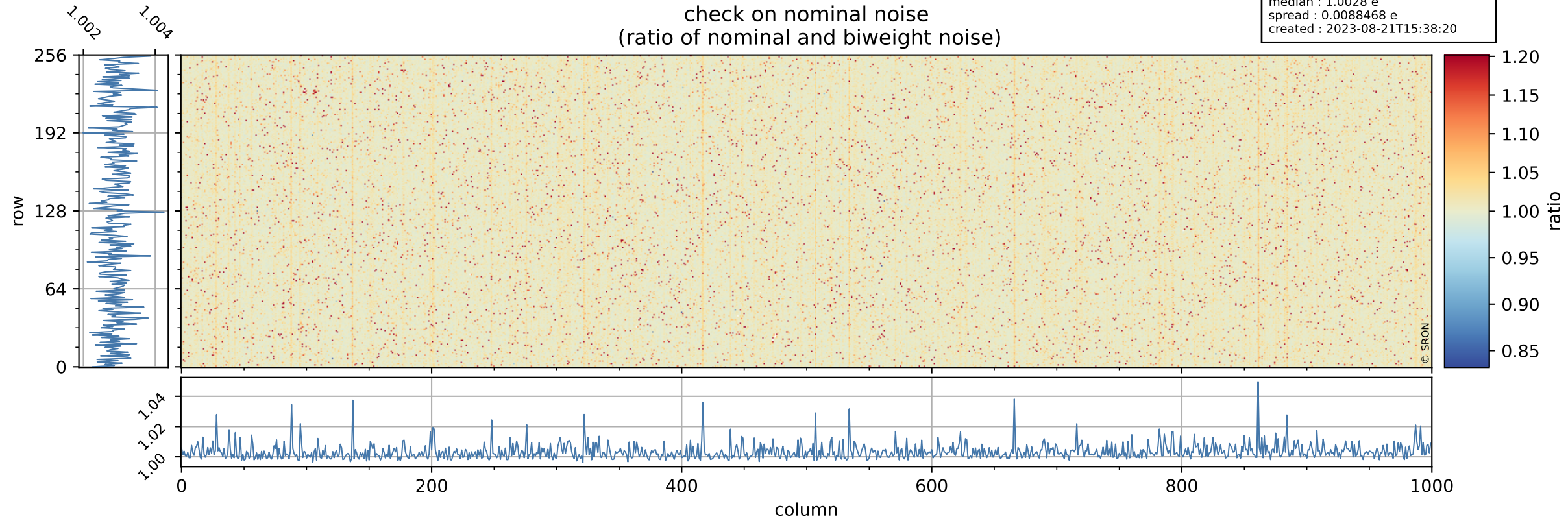
orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
median : 0.99806 e  
spread : 0.0072094 e  
created : 2023-08-21T15:38:20



# Tropomi SWIR background noise (swir)

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

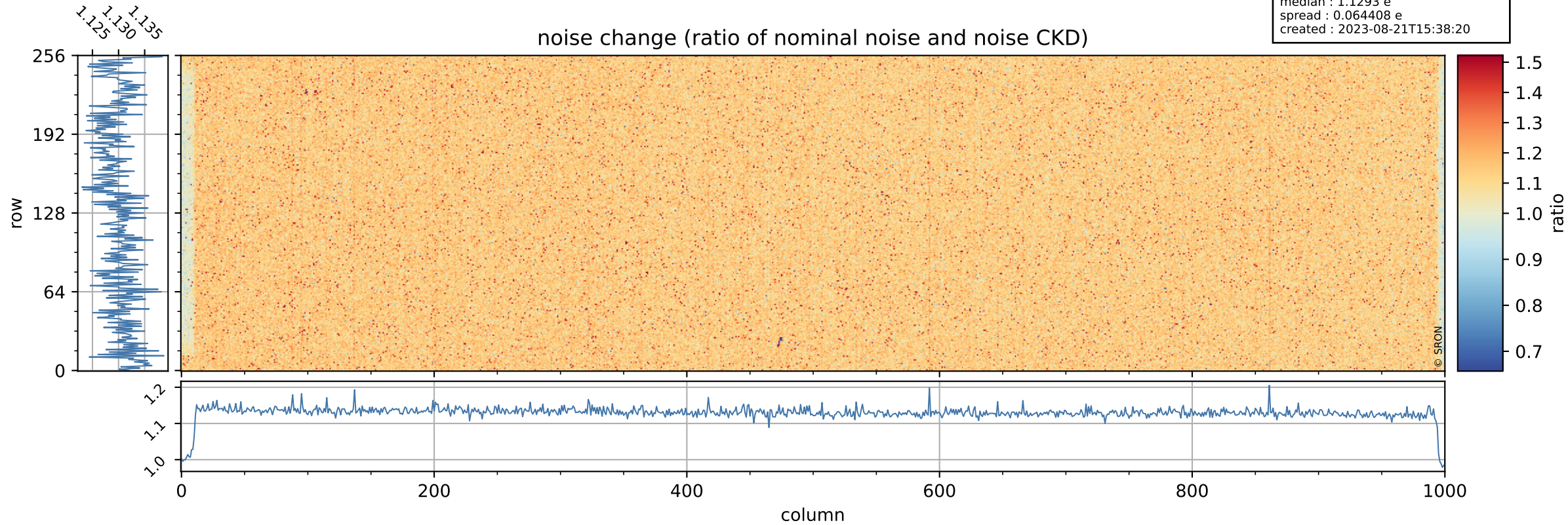
orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
median : 1.0028 e  
spread : 0.0088468 e  
created : 2023-08-21T15:38:20



# Tropomi SWIR background noise (swir)

orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
median : 1.1293 e  
spread : 0.064408 e  
created : 2023-08-21T15:38:20

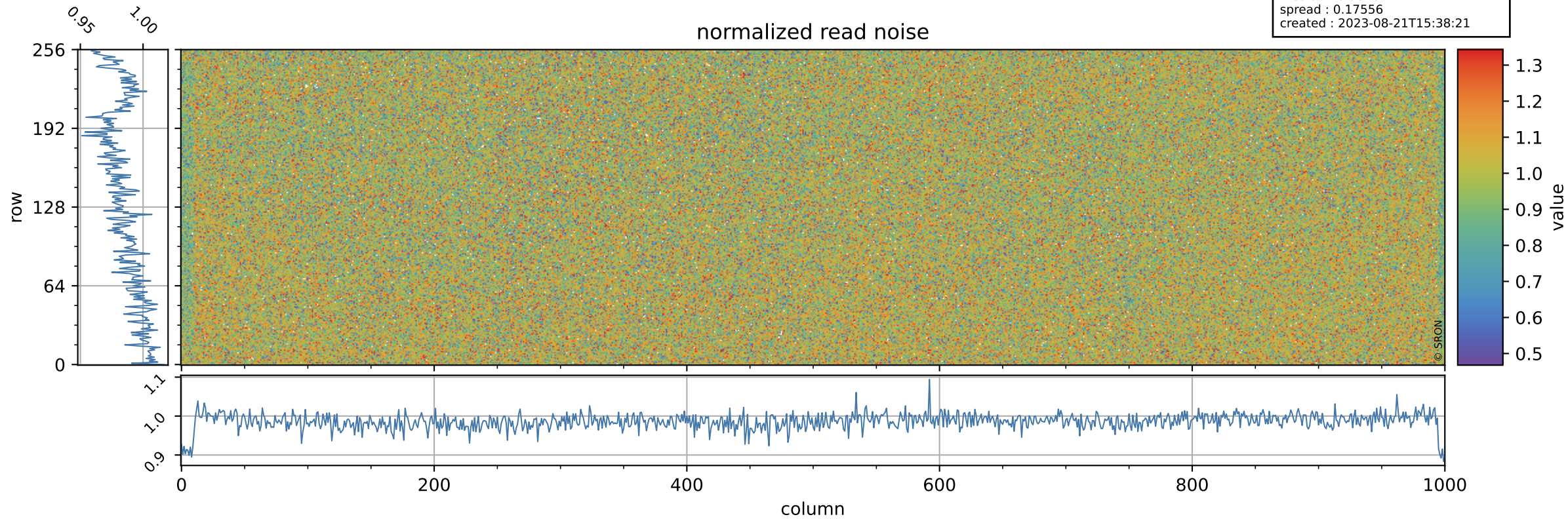
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
median : 0.98467  
spread : 0.17556  
created : 2023-08-21T15:38:21

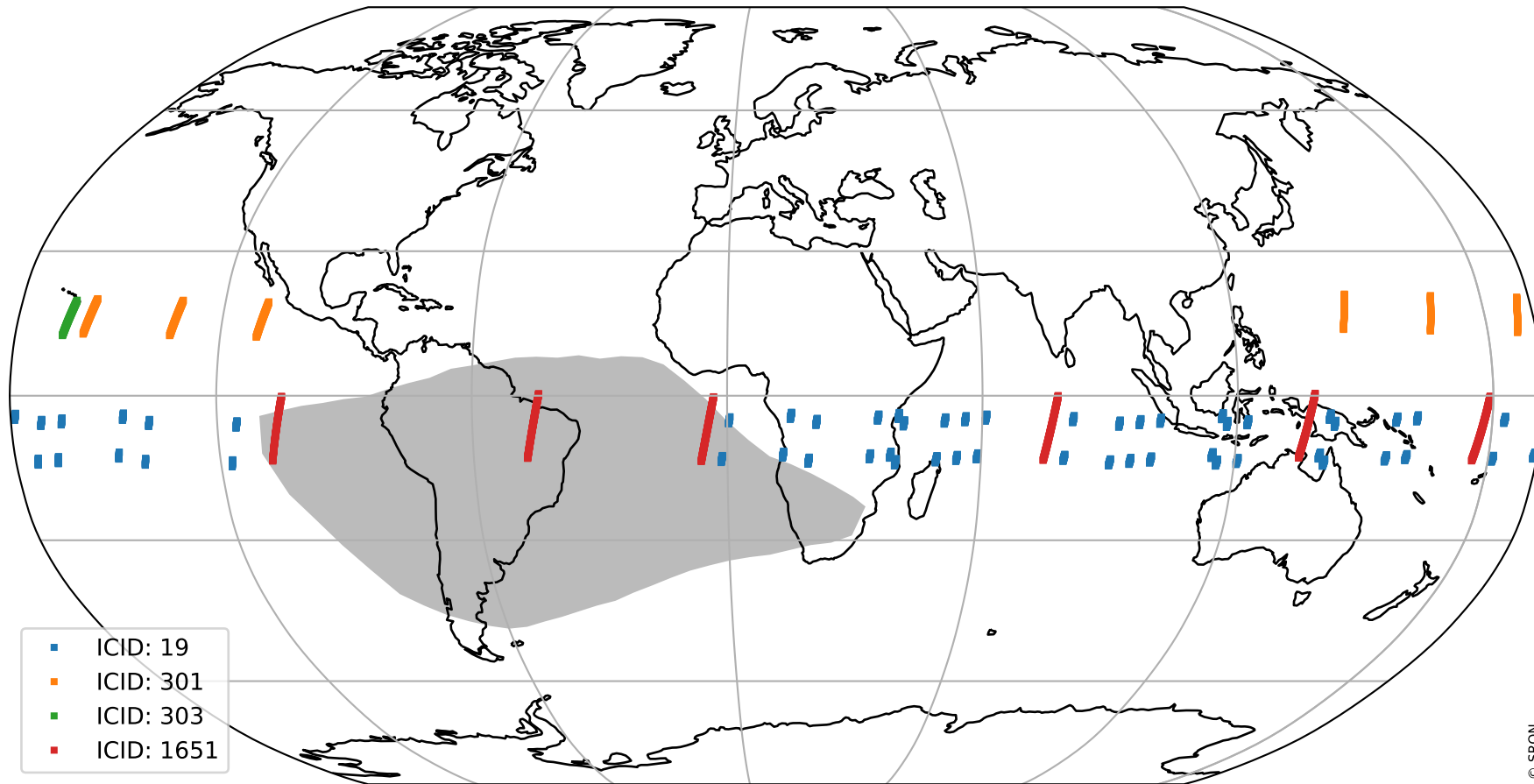
normalized read noise





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

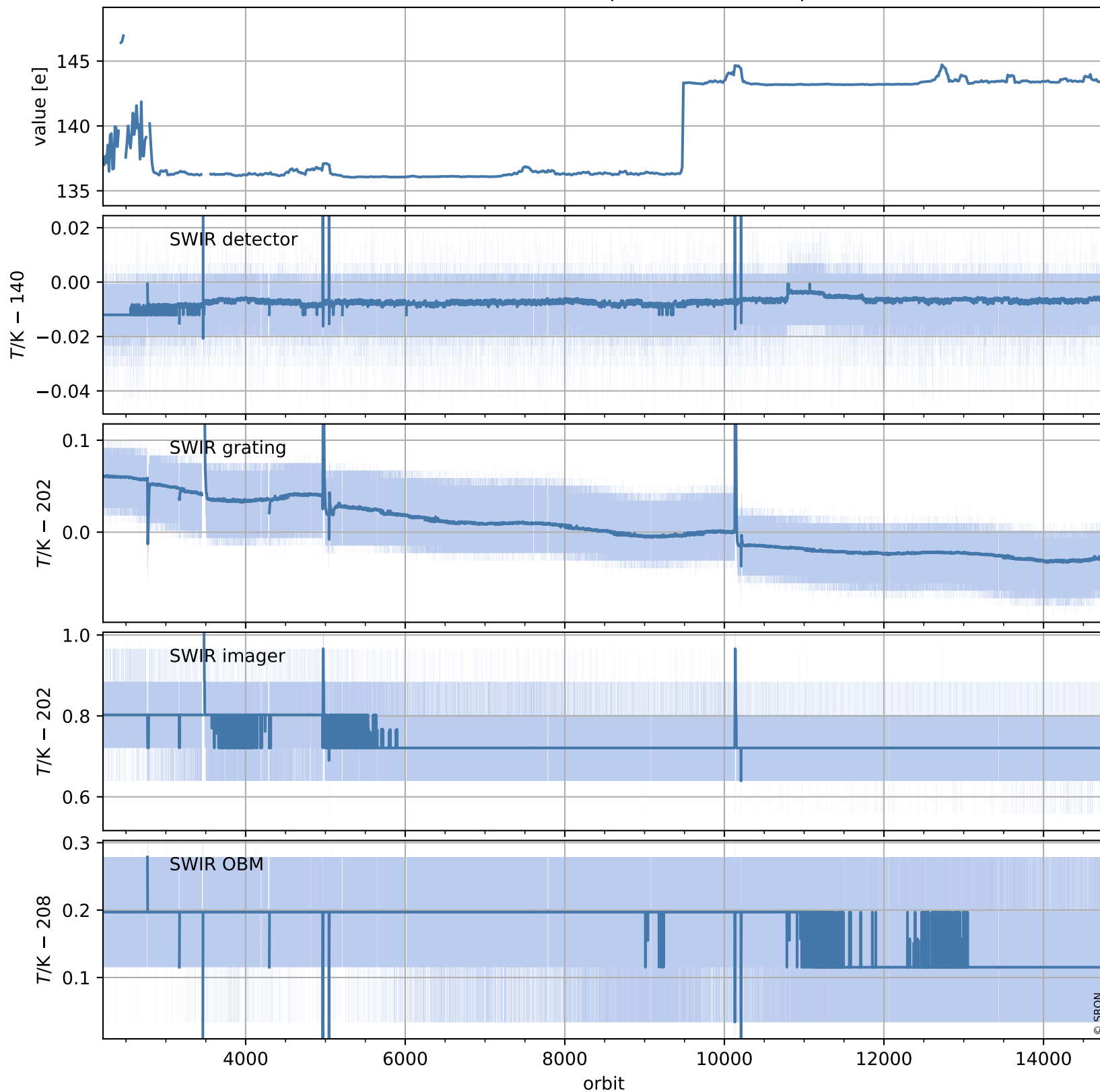
orbits : 13 in [14692, 14767]  
coverage : 2020-08-13 / 2020-08-18  
created : 2023-08-21T15:38:21



# Tropomi SWIR background noise (swir)

orbits : [2212, 14767]  
coverage : 2018-03-18 / 2020-08-18  
created : 2023-08-21T15:38:21

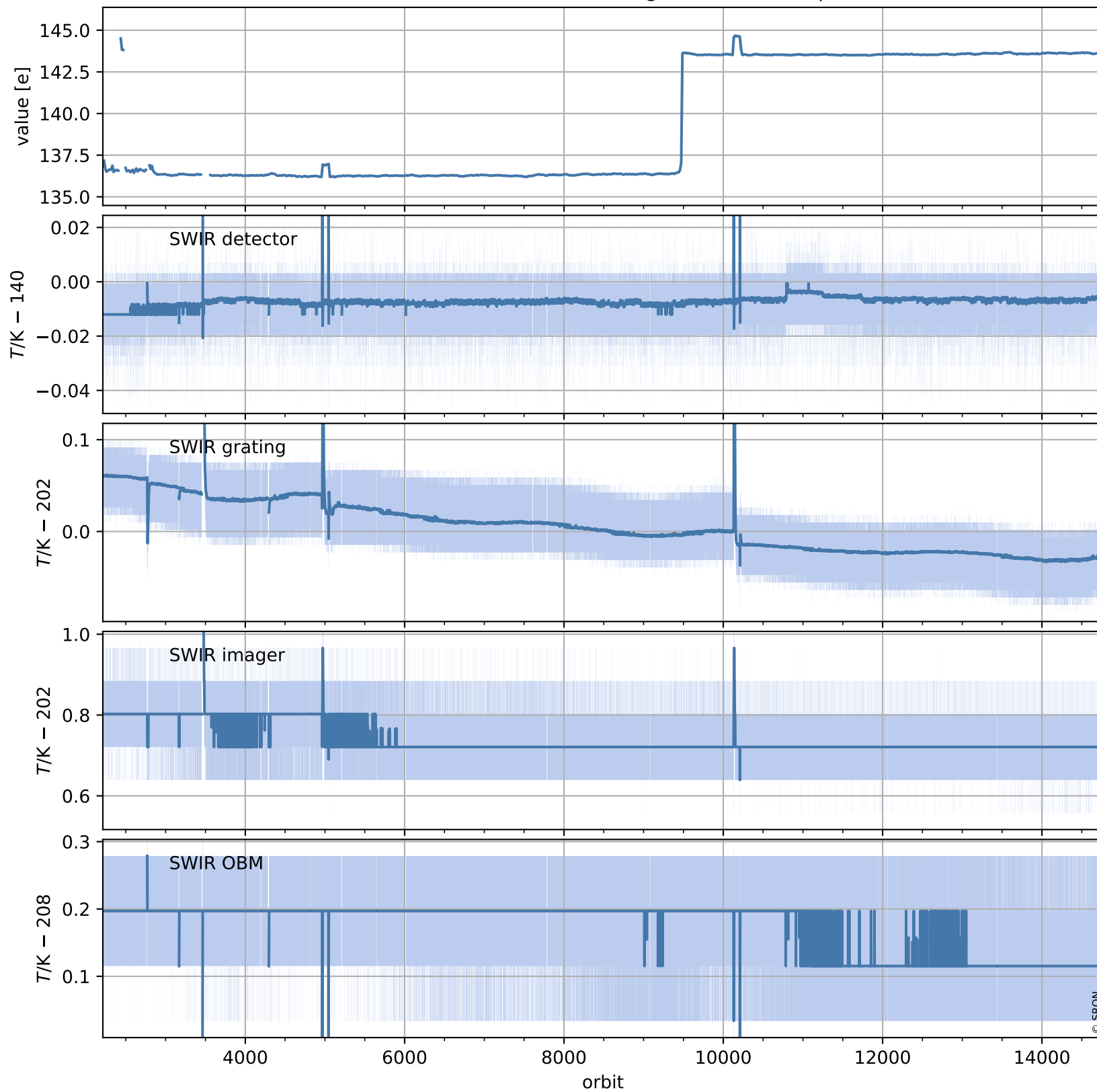
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14767]  
coverage : 2018-03-18 / 2020-08-18  
created : 2023-08-21T15:38:22

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14767]  
coverage : 2018-03-18 / 2020-08-18  
created : 2023-08-21T15:38:22

## trend of normalized read-noise & temperatures

