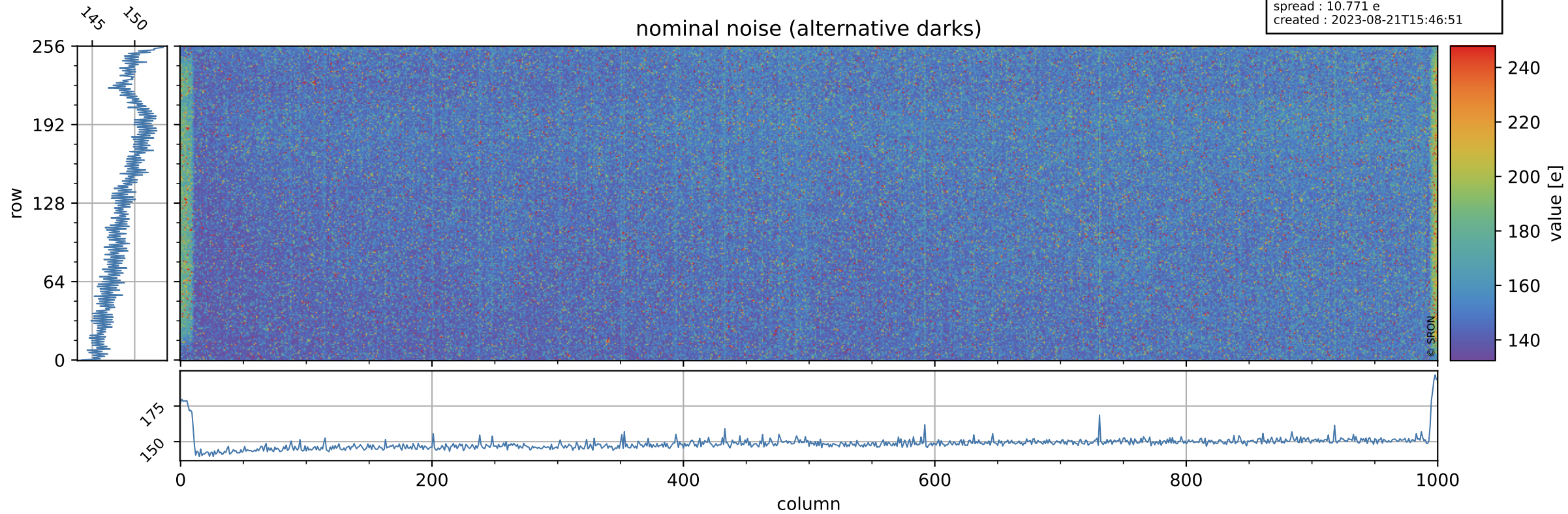


# Tropomi SWIR background noise (swir)

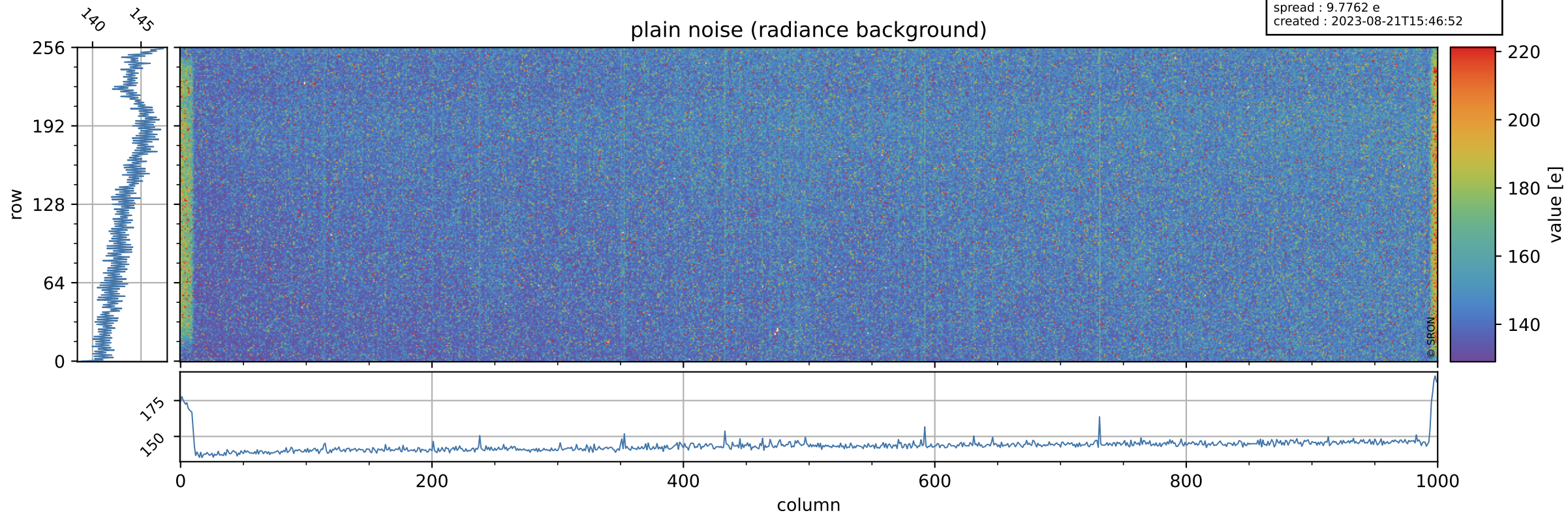
orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.59 e  
spread : 10.771 e  
created : 2023-08-21T15:46:51



# Tropomi SWIR background noise (swir)

orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.7762 e  
created : 2023-08-21T15:46:52

plain noise (radiance background)

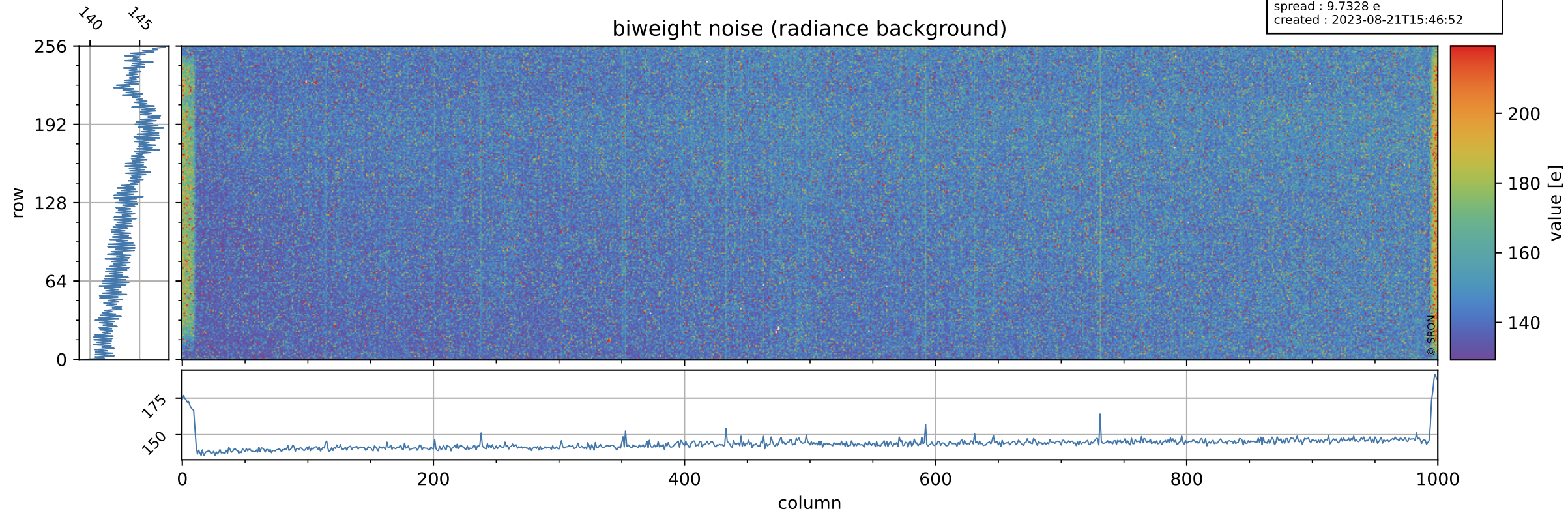




# Tropomi SWIR background noise (swir)

orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.7328 e  
created : 2023-08-21T15:46:52

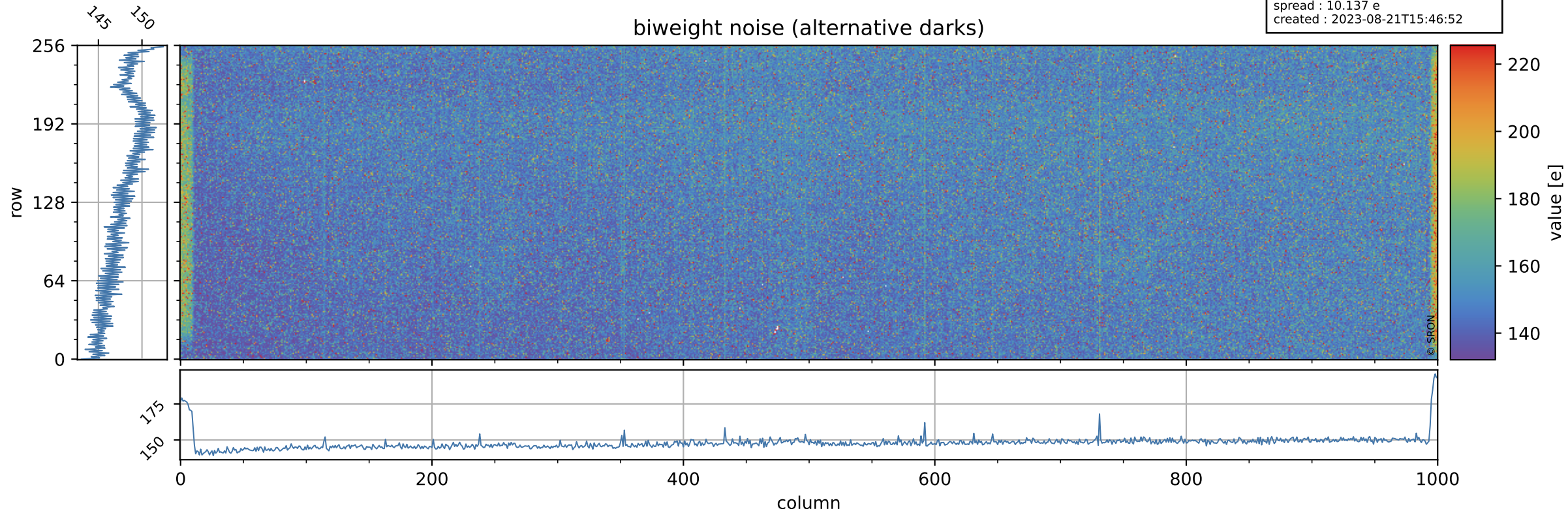
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.137 e  
created : 2023-08-21T15:46:52

## biweight noise (alternative darks)

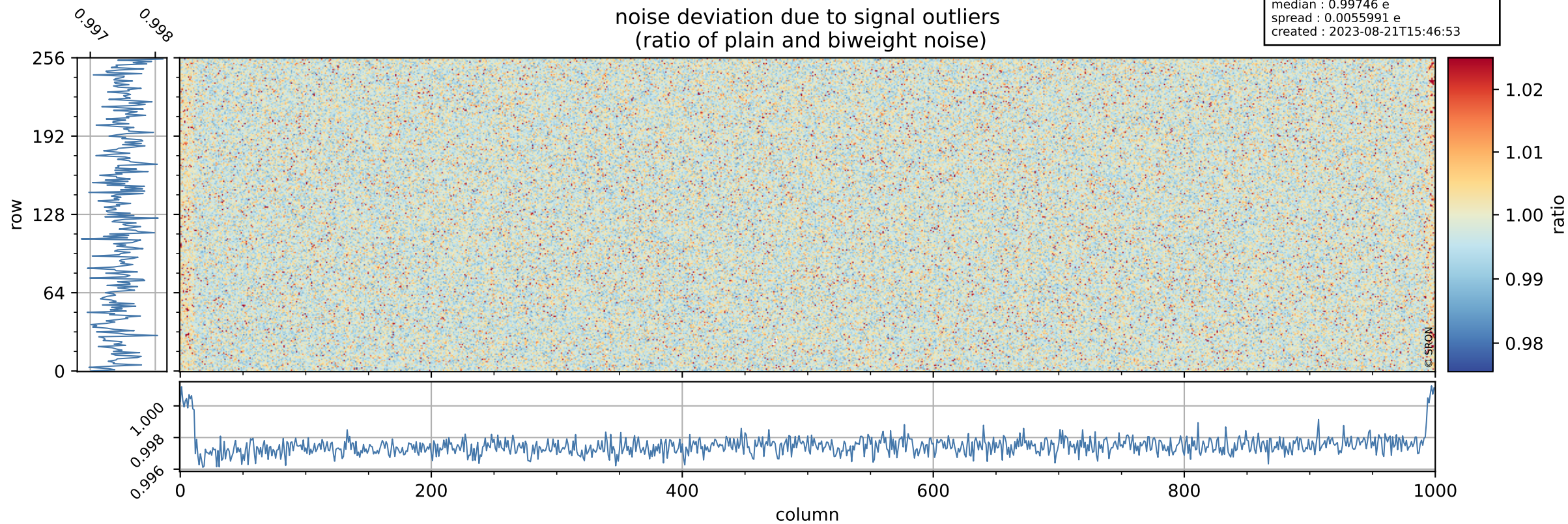




# Tropomi SWIR background noise (swir)

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

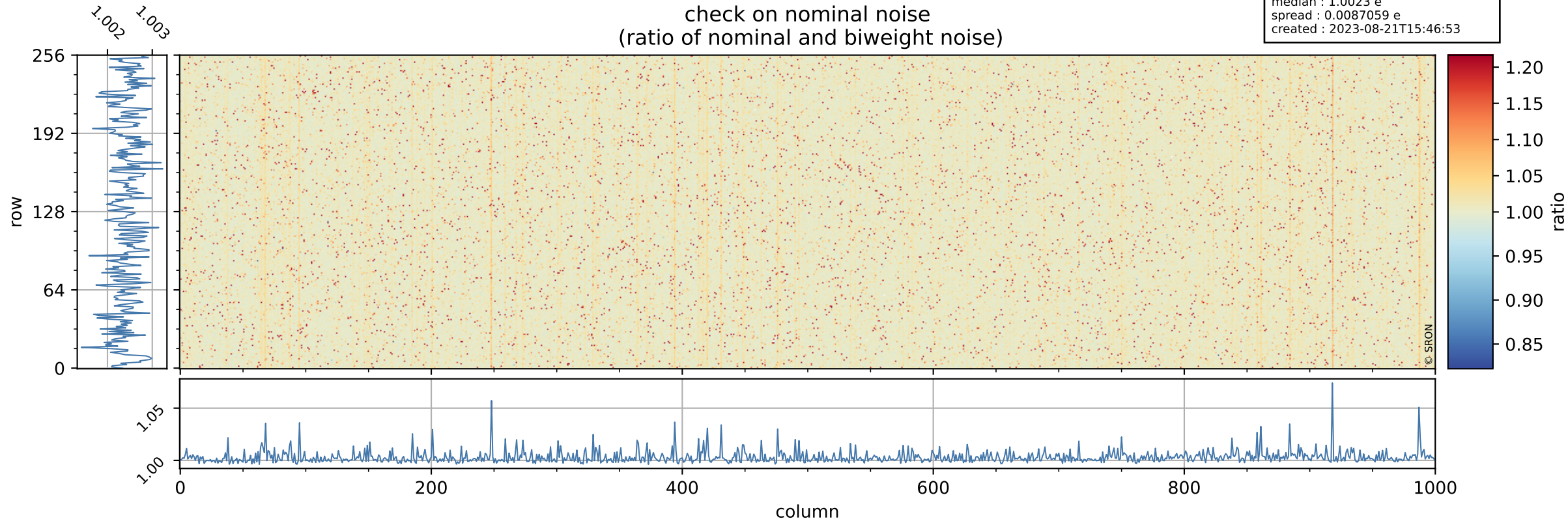
orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
median : 0.99746 e  
spread : 0.0055991 e  
created : 2023-08-21T15:46:53



# Tropomi SWIR background noise (swir)

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

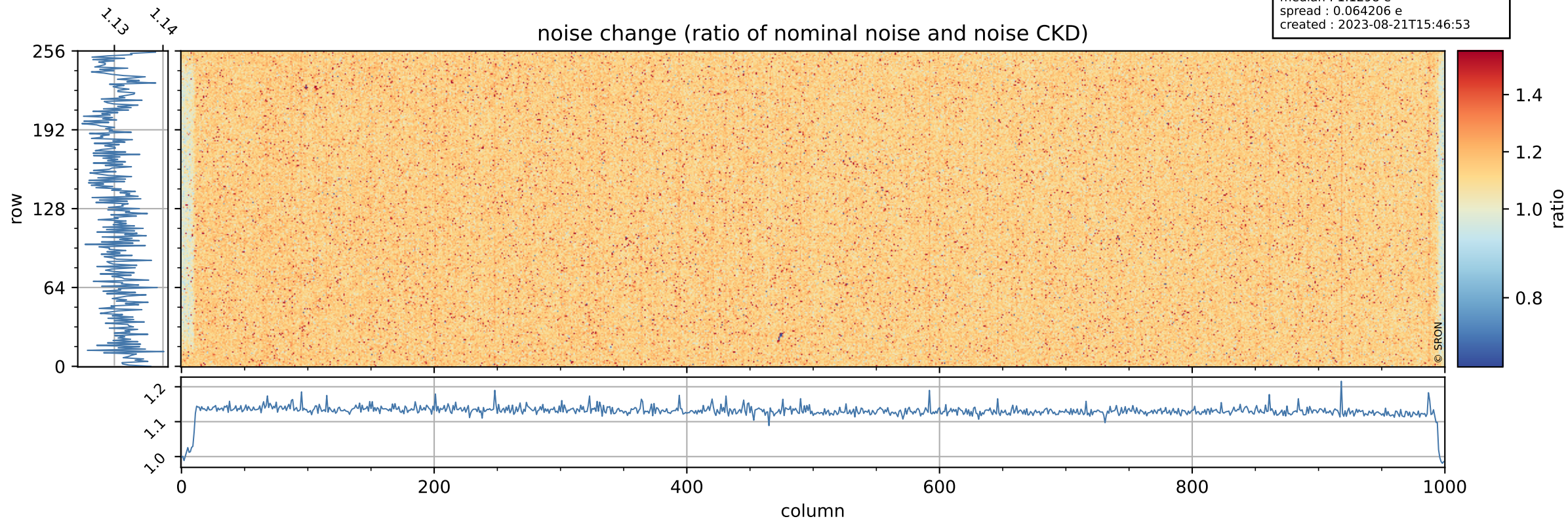
orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
median : 1.0023 e  
spread : 0.0087059 e  
created : 2023-08-21T15:46:53





# Tropomi SWIR background noise (swir)

orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
median : 1.1298 e  
spread : 0.064206 e  
created : 2023-08-21T15:46:53

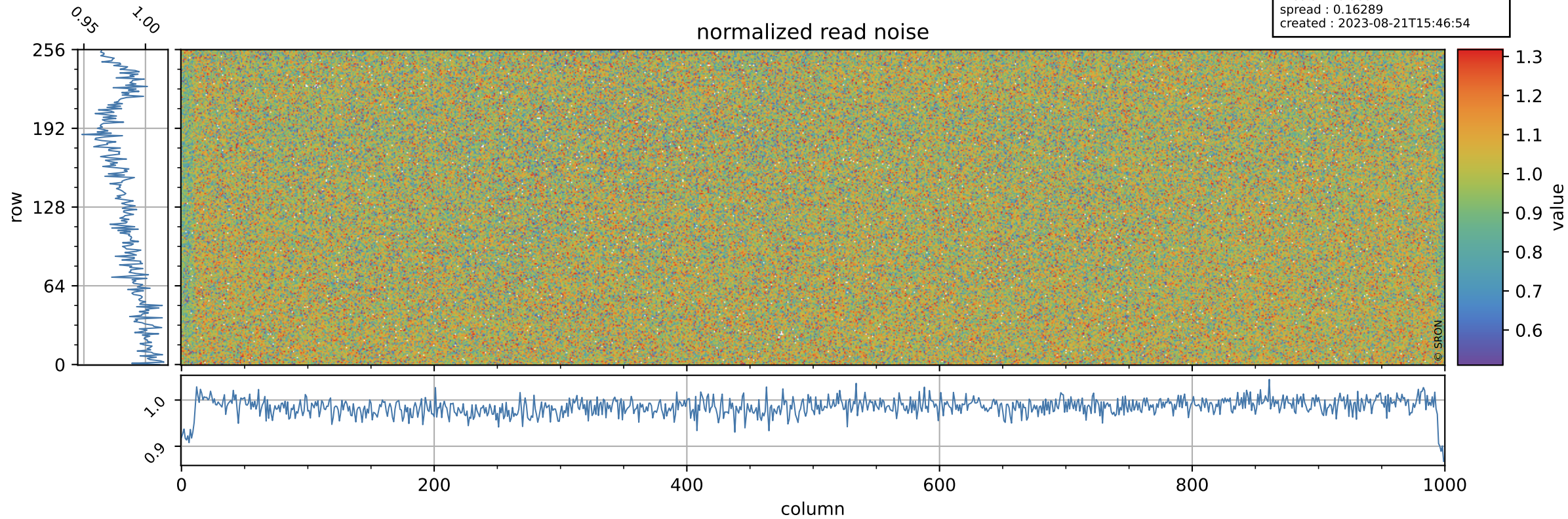




# Tropomi SWIR background noise (swir)

orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
median : 0.98371  
spread : 0.16289  
created : 2023-08-21T15:46:54

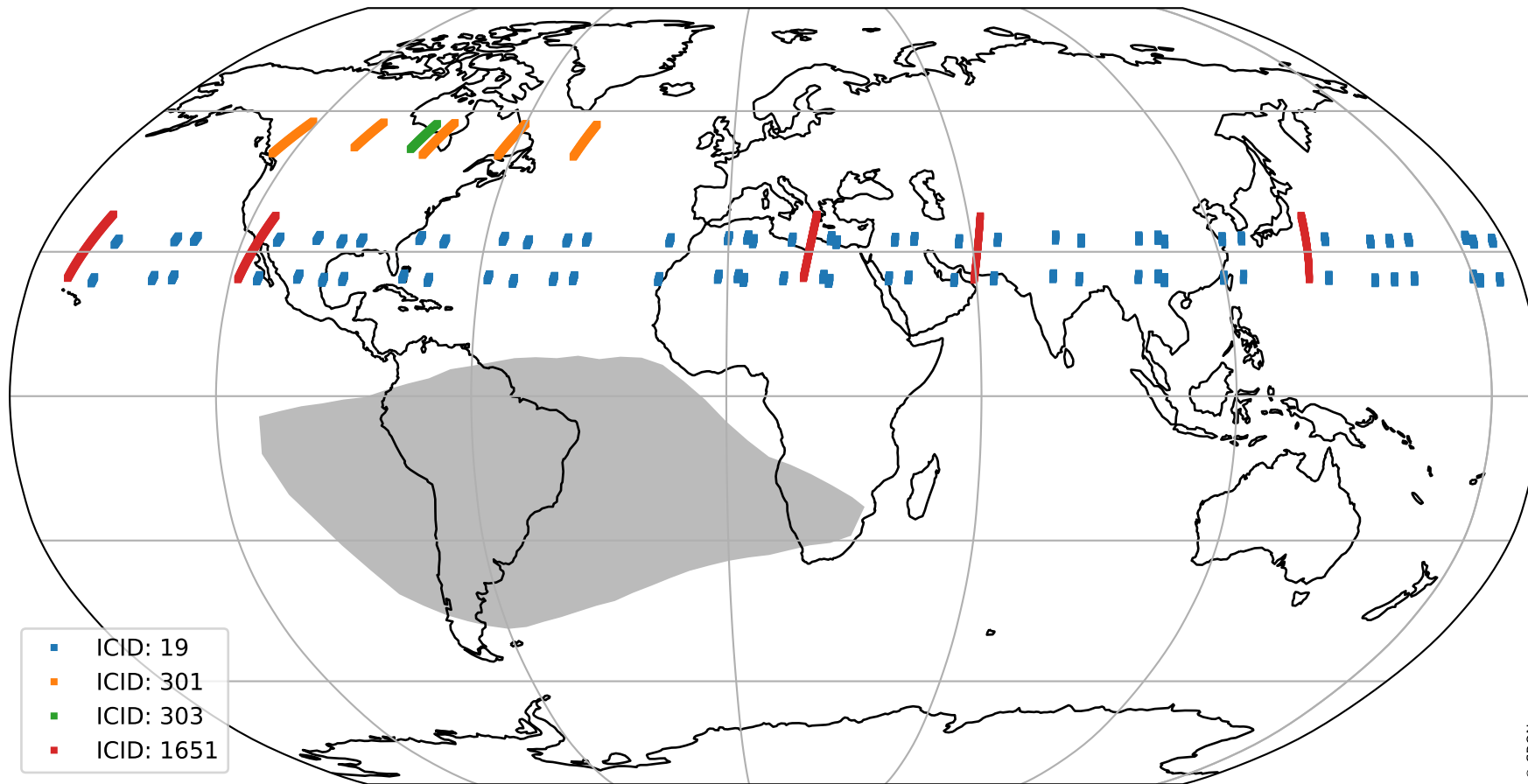
normalized read noise





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

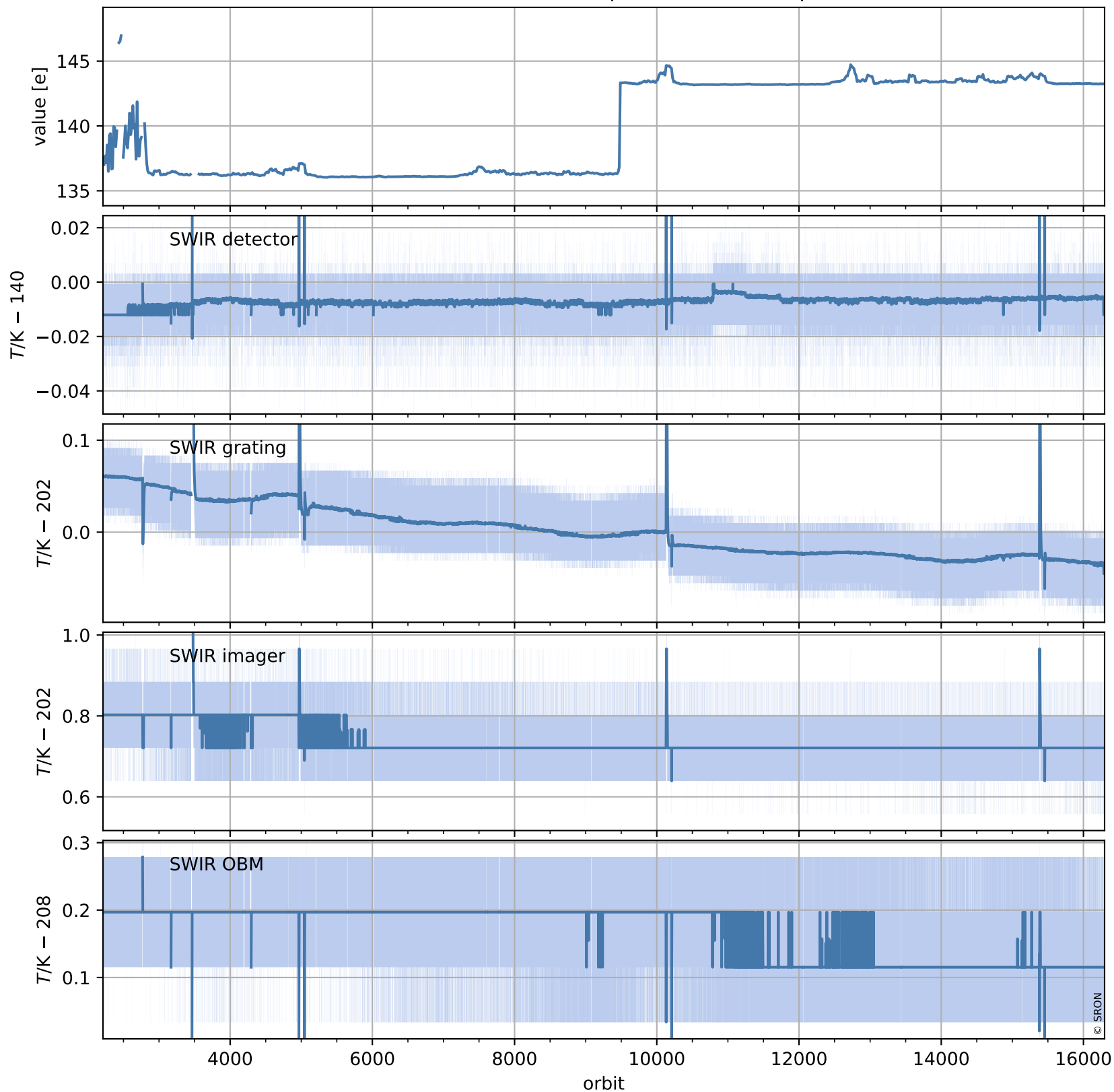
orbits : 11 in [16222, 16297]  
coverage : 2020-11-29 / 2020-12-03  
created : 2023-08-21T15:46:54



# Tropomi SWIR background noise (swir)

orbits : [2212, 16297]  
coverage : 2018-03-18 / 2020-12-03  
created : 2023-08-21T15:46:54

## trend of detector median of plain noise & temperatures

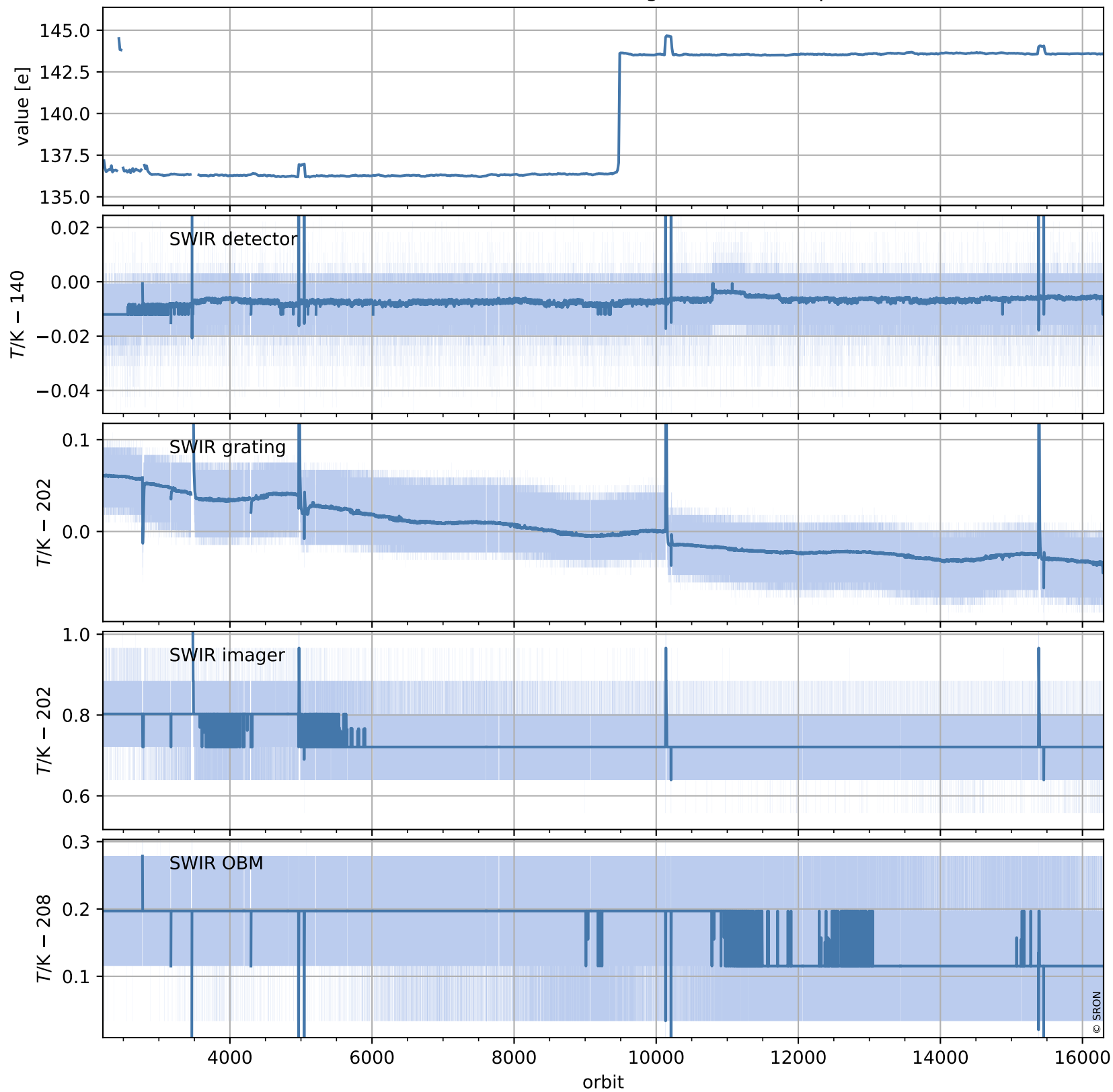




# Tropomi SWIR background noise (swir)

orbits : [2212, 16297]  
coverage : 2018-03-18 / 2020-12-03  
created : 2023-08-21T15:46:55

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16297]  
coverage : 2018-03-18 / 2020-12-03  
created : 2023-08-21T15:46:56

## trend of normalized read-noise & temperatures

