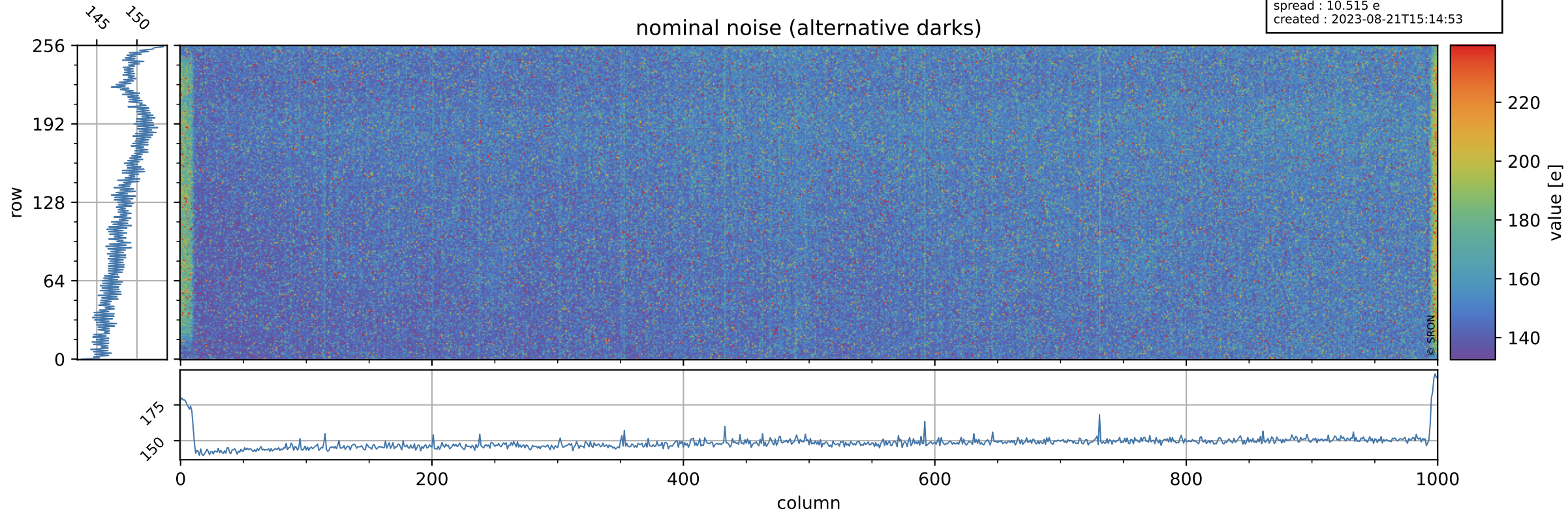


# Tropomi SWIR background noise (swir)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.37 e  
spread : 10.515 e  
created : 2023-08-21T15:14:53

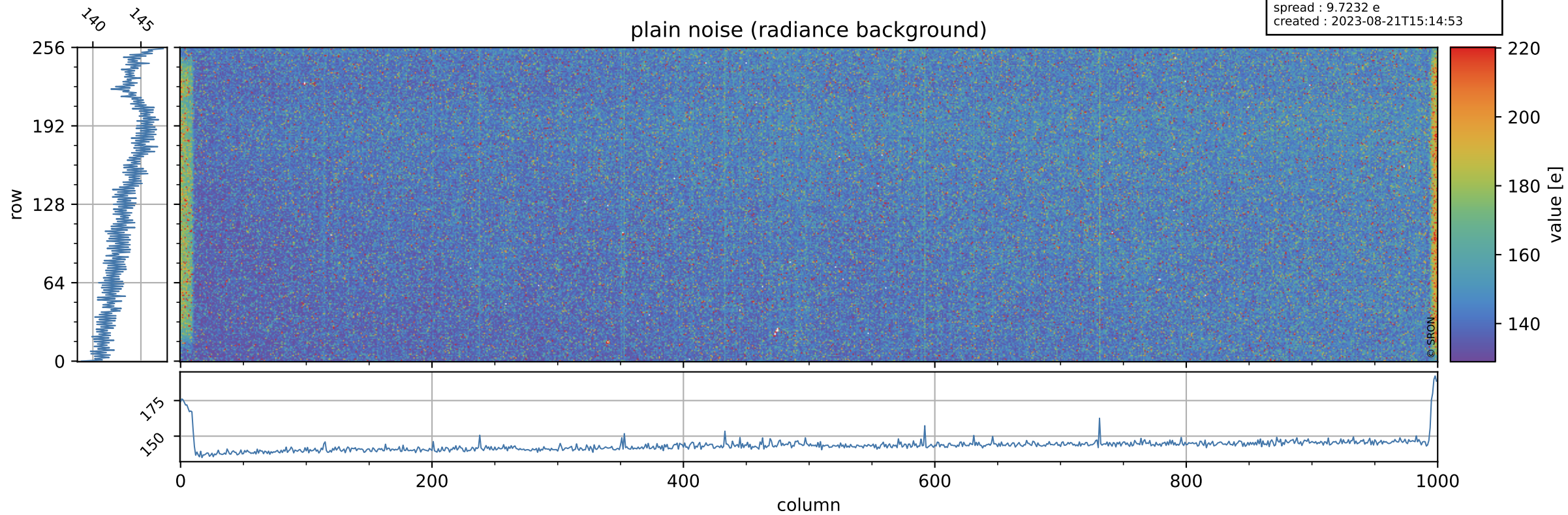
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.33 e  
spread : 9.7232 e  
created : 2023-08-21T15:14:53

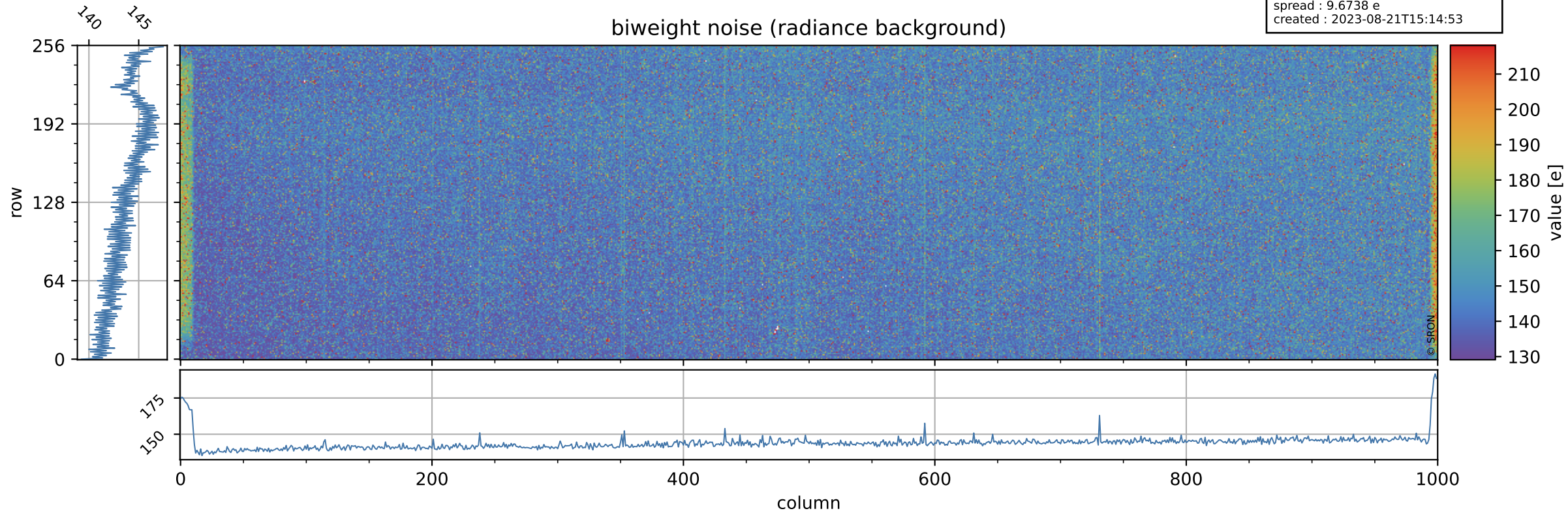
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 9.6738 e  
created : 2023-08-21T15:14:53

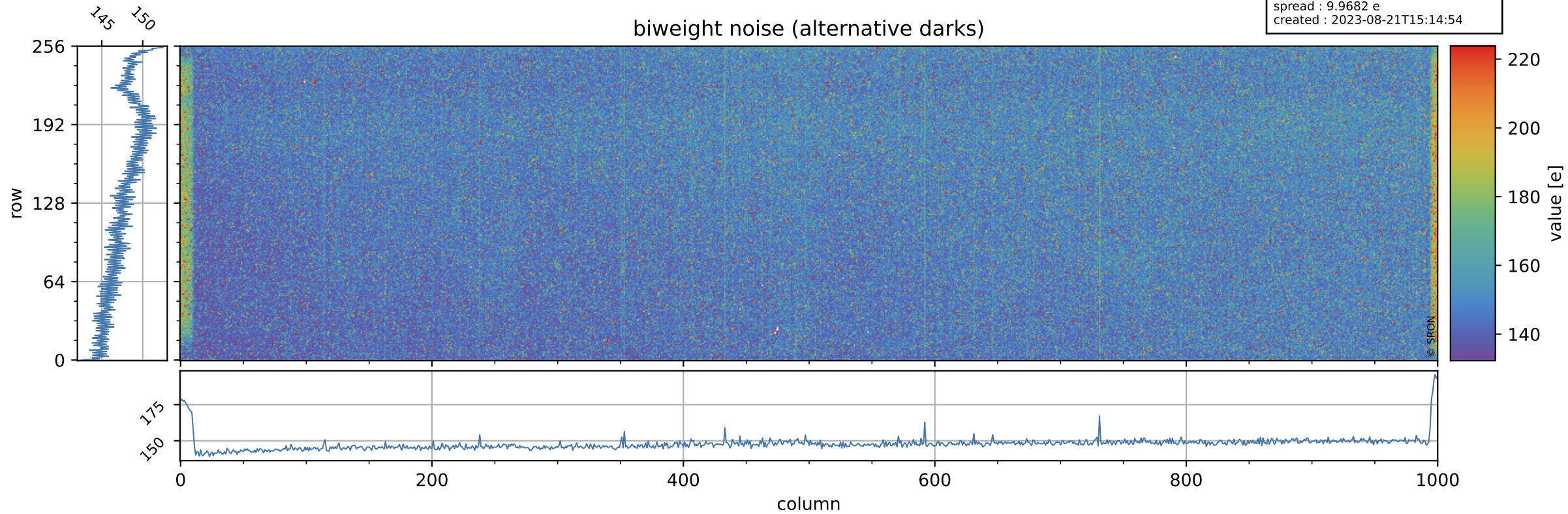
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 9.9682 e  
created : 2023-08-21T15:14:54

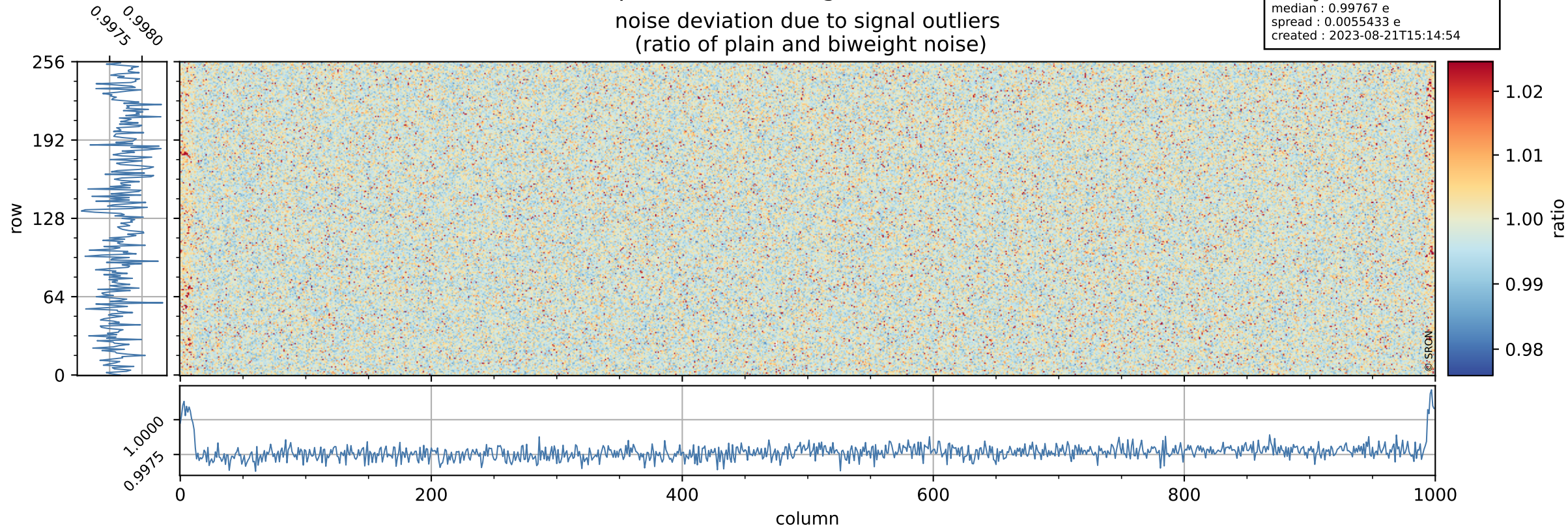
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

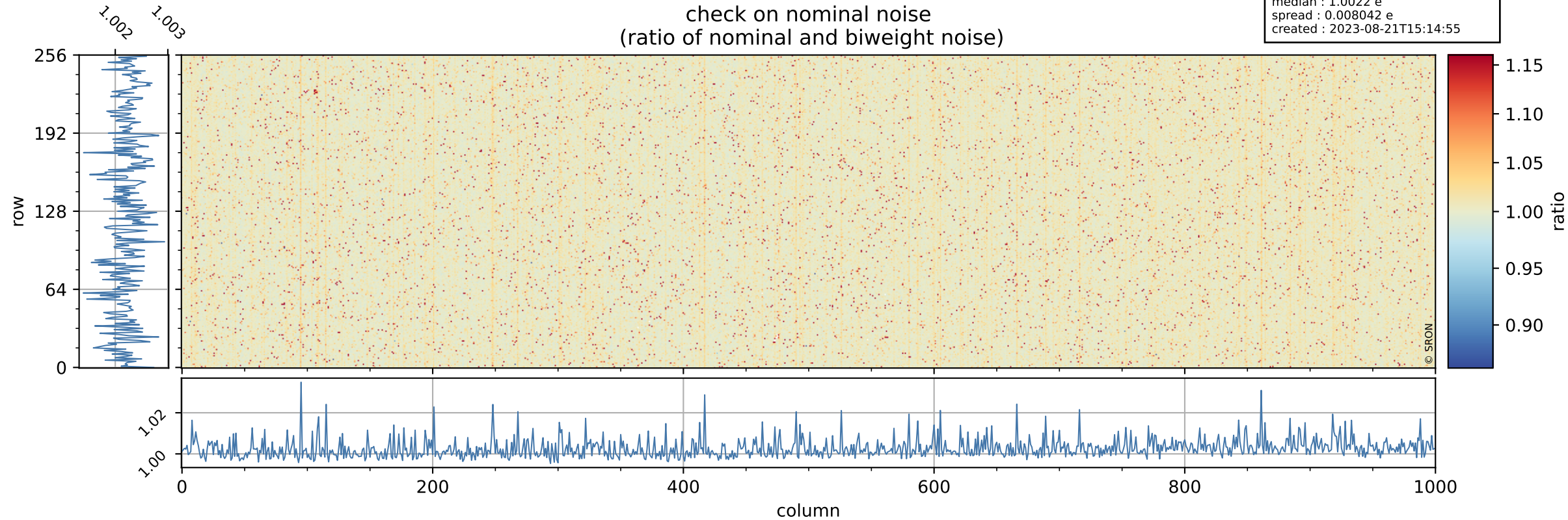
orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
median : 0.99767 e  
spread : 0.0055433 e  
created : 2023-08-21T15:14:54



# Tropomi SWIR background noise (swir)

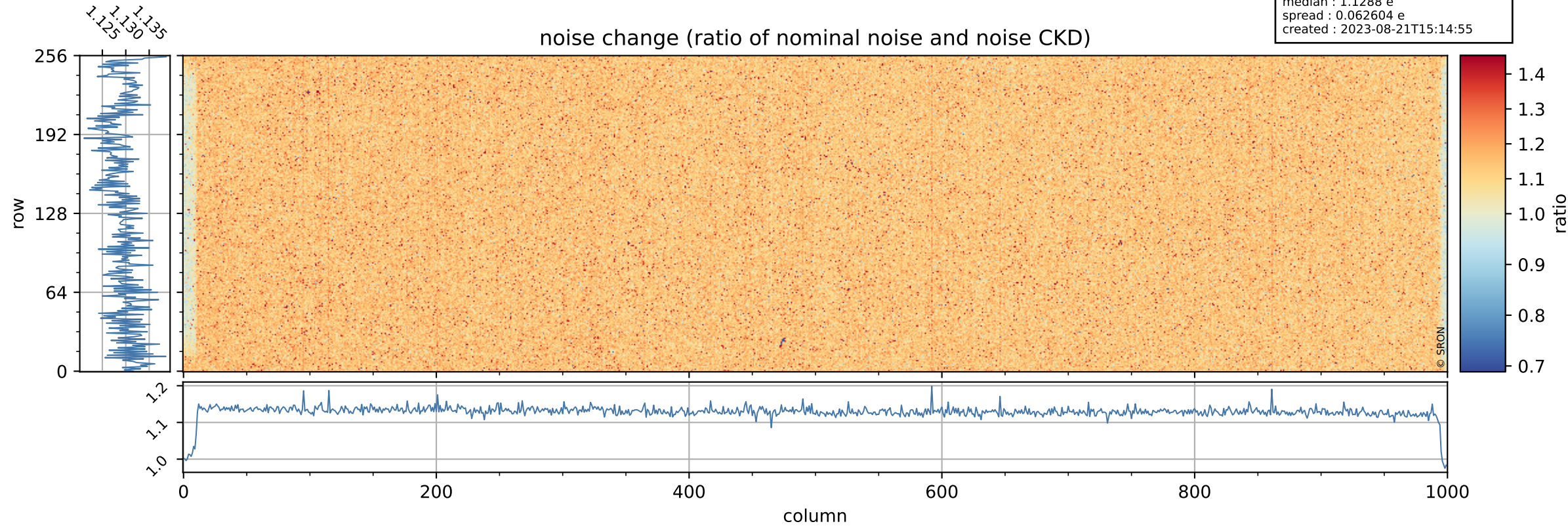
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
median : 1.0022 e  
spread : 0.008042 e  
created : 2023-08-21T15:14:55



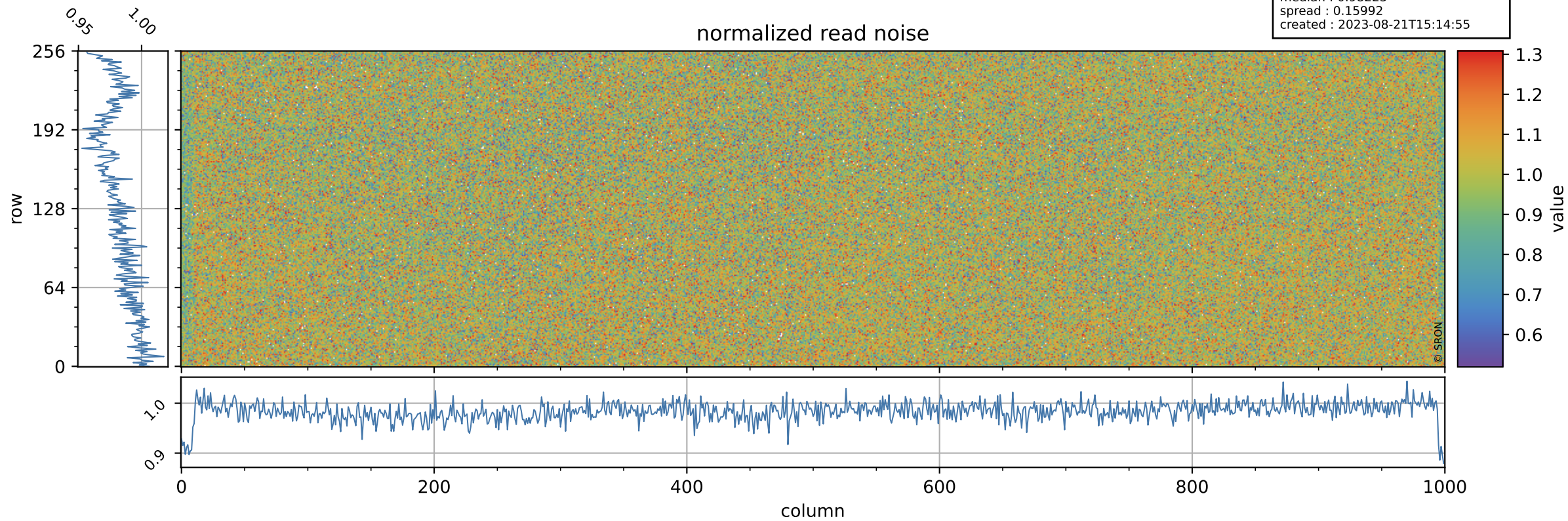
# Tropomi SWIR background noise (swir)

orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
median : 1.1288 e  
spread : 0.062604 e  
created : 2023-08-21T15:14:55



# Tropomi SWIR background noise (swir)

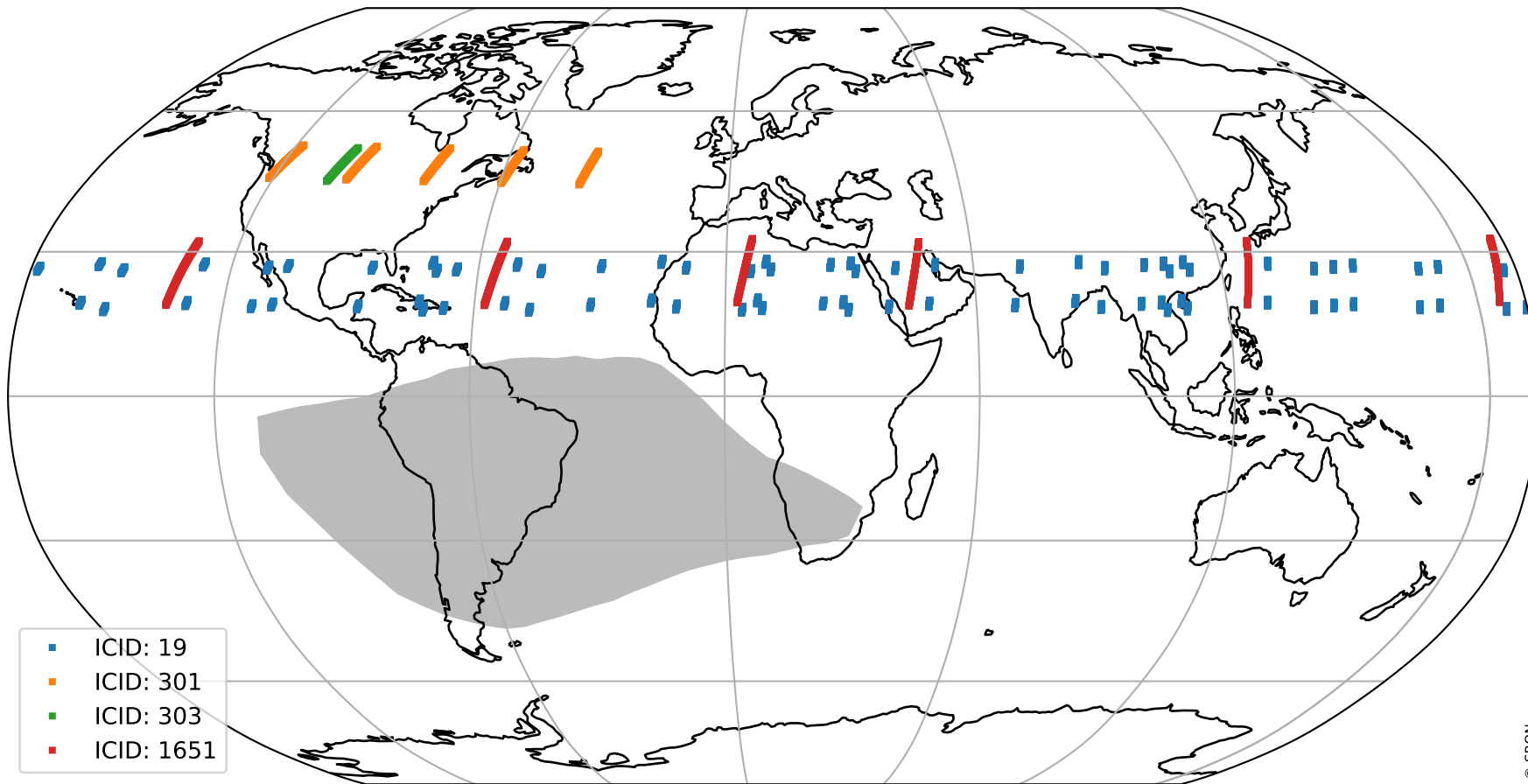
orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
median : 0.98225  
spread : 0.15992  
created : 2023-08-21T15:14:55





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

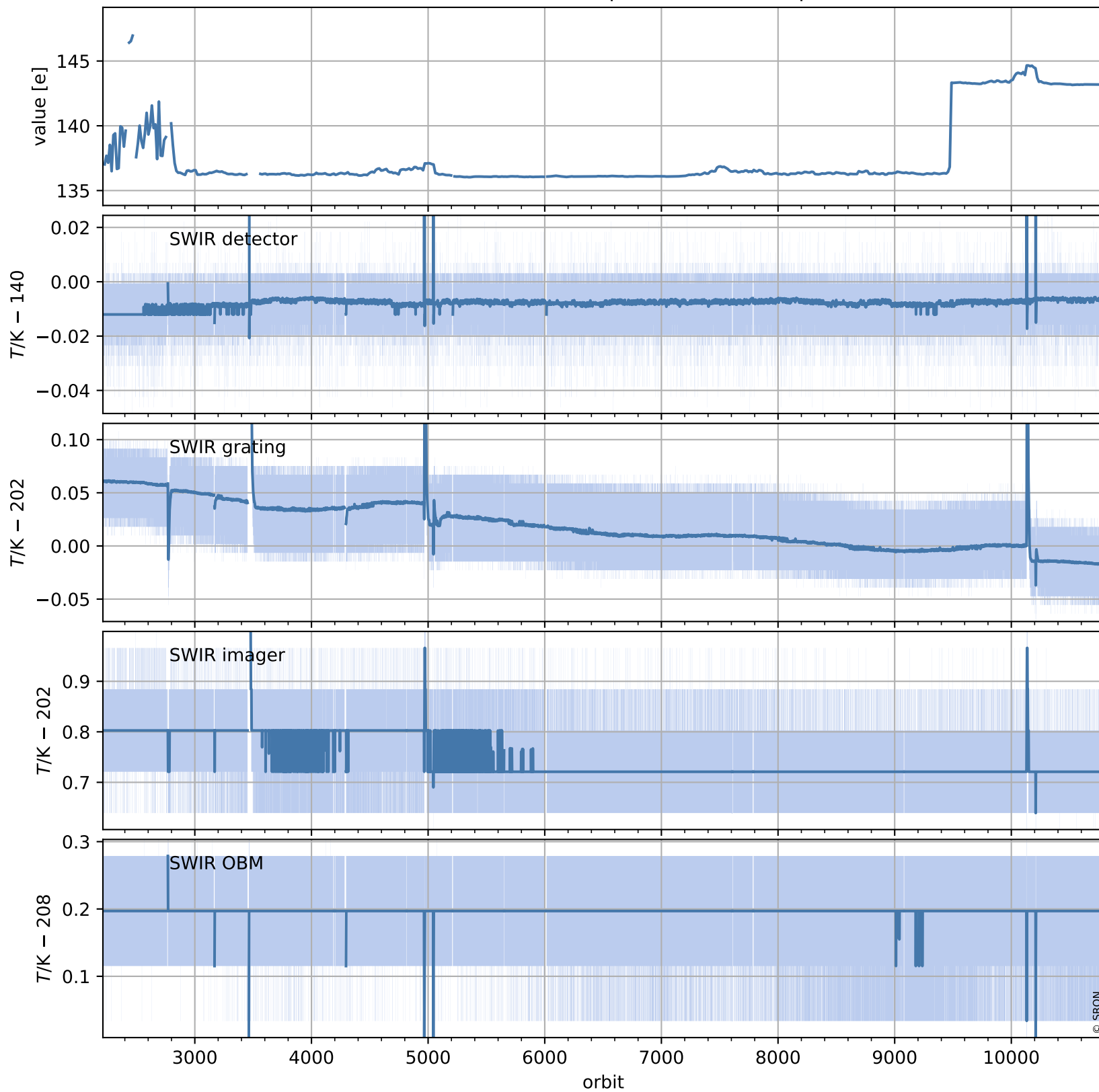
orbits : 12 in [10702, 10792]  
coverage : 2019-11-07 / 2019-11-12  
created : 2023-08-21T15:14:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 10792]  
coverage : 2018-03-18 / 2019-11-12  
created : 2023-08-21T15:14:56

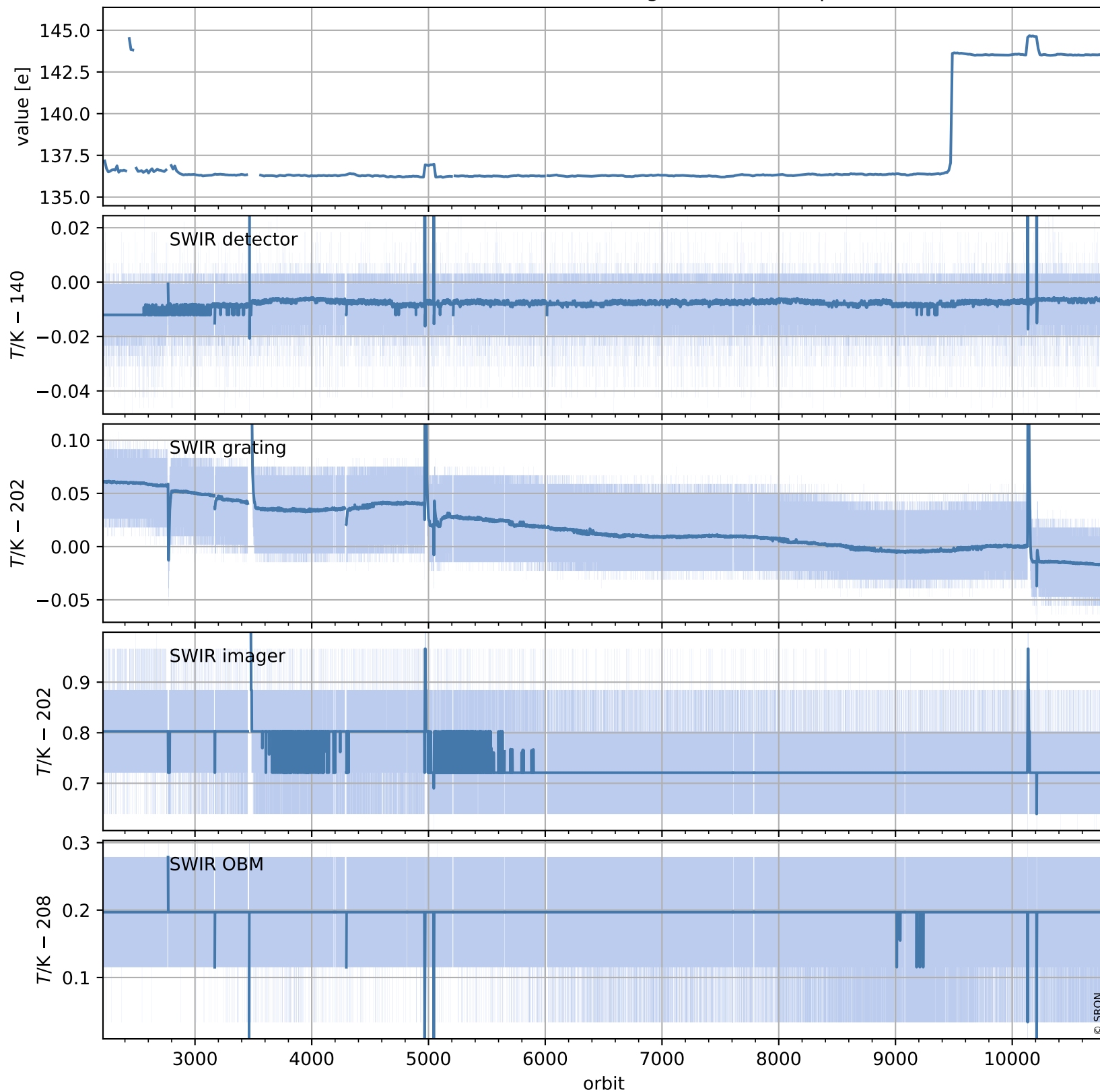
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10792]  
coverage : 2018-03-18 / 2019-11-12  
created : 2023-08-21T15:14:57

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10792]  
coverage : 2018-03-18 / 2019-11-12  
created : 2023-08-21T15:14:58

## trend of normalized read-noise & temperatures

