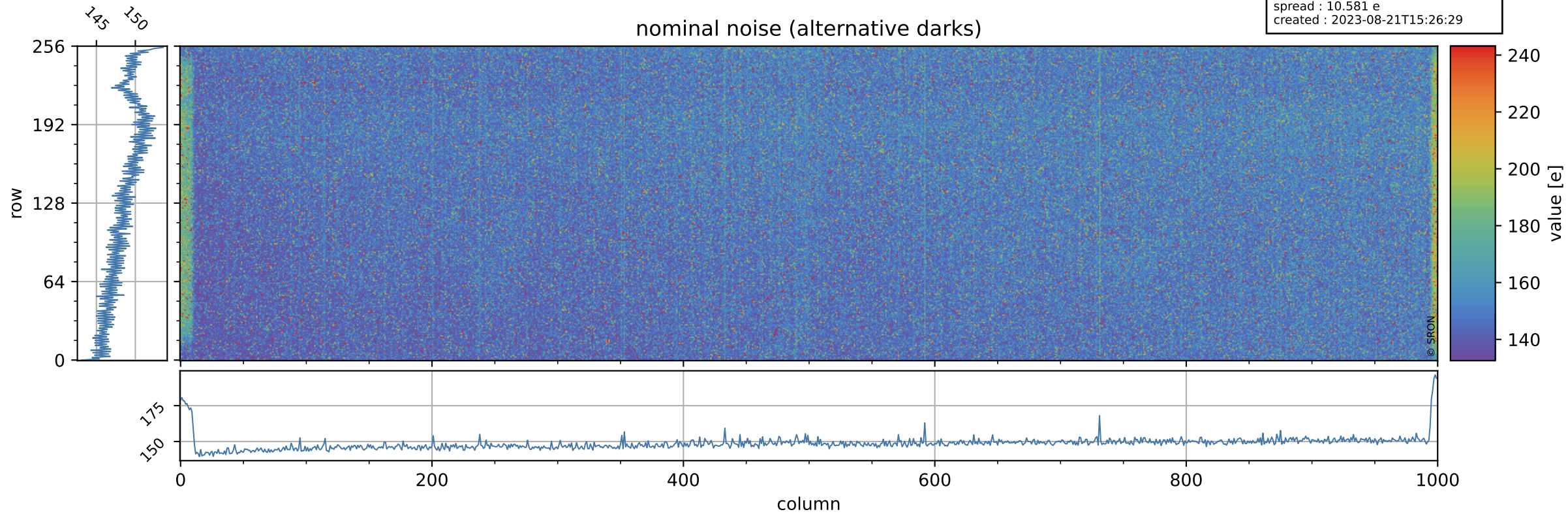


# Tropomi SWIR background noise (swir)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.46 e  
spread : 10.581 e  
created : 2023-08-21T15:26:29

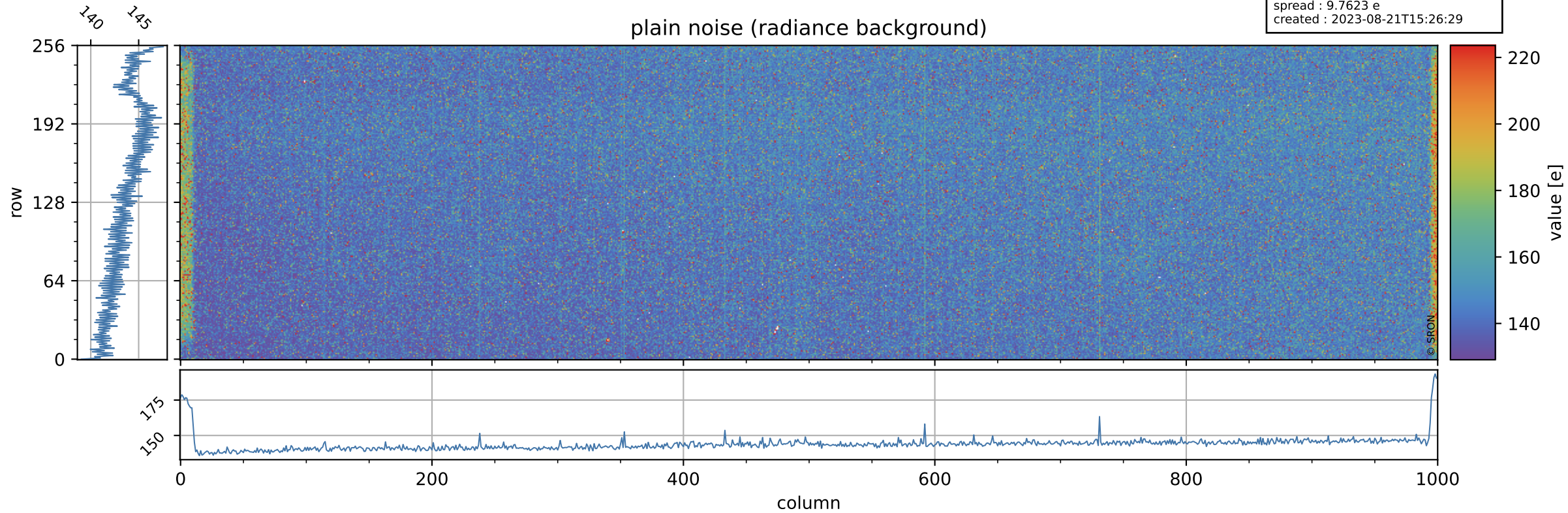
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.7623 e  
created : 2023-08-21T15:26:29

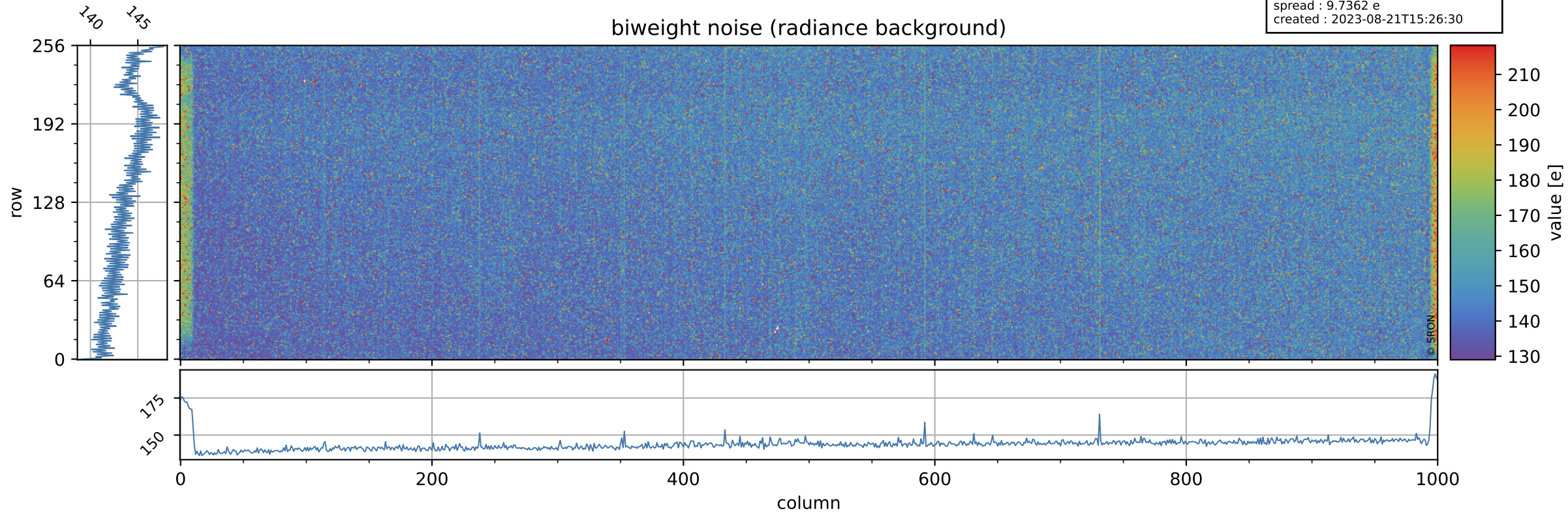
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.7362 e  
created : 2023-08-21T15:26:30

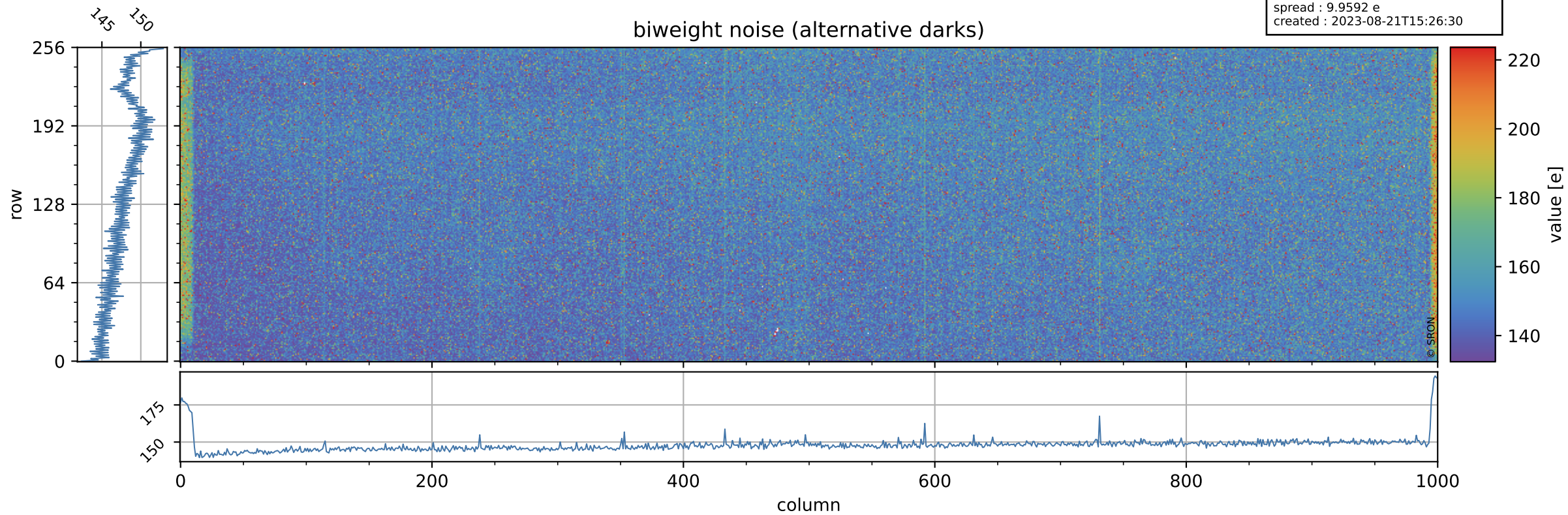
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 9.9592 e  
created : 2023-08-21T15:26:30

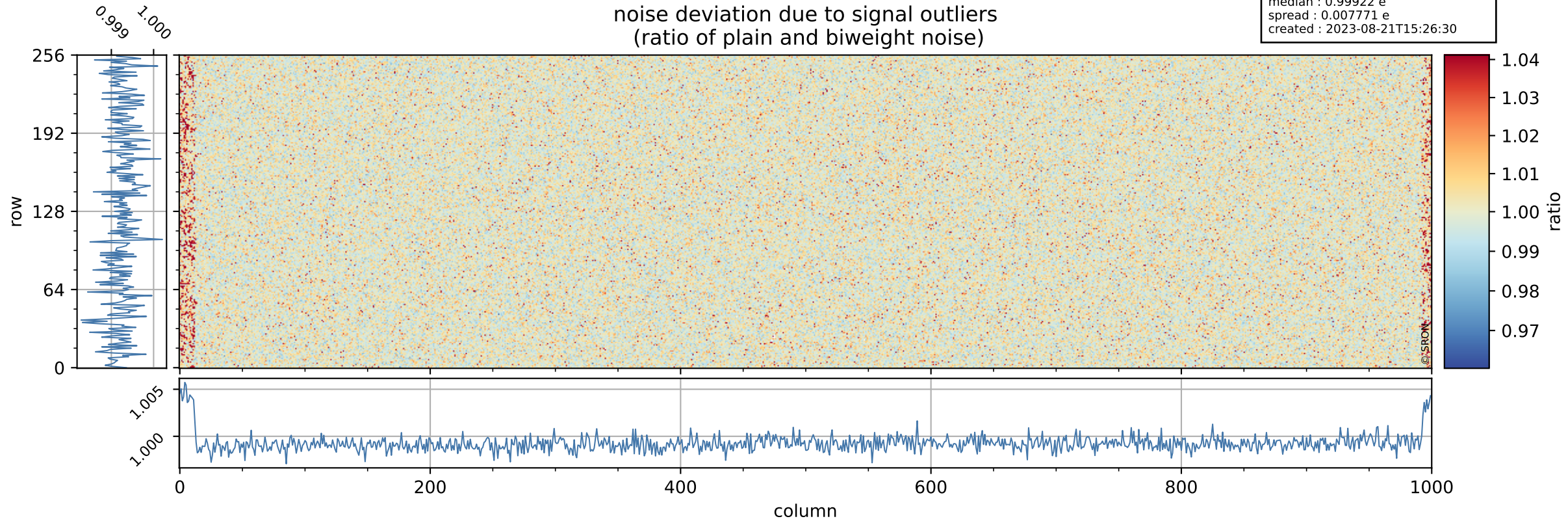
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

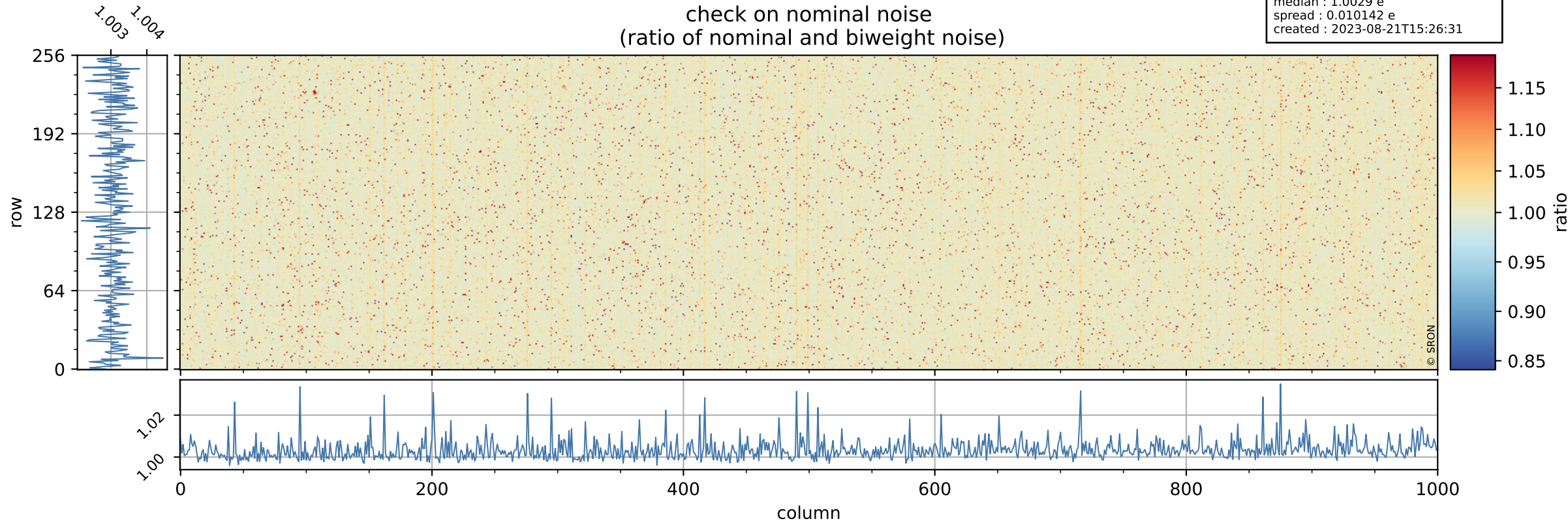
orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
median : 0.99922 e  
spread : 0.007771 e  
created : 2023-08-21T15:26:30



# Tropomi SWIR background noise (swir)

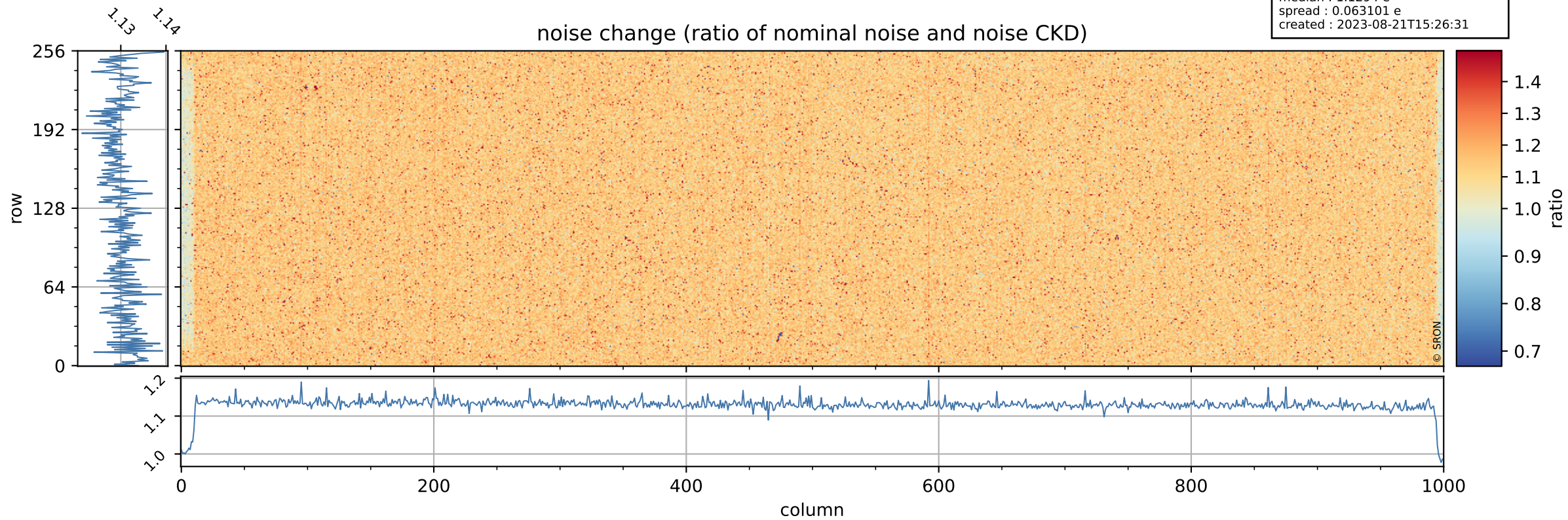
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
median : 1.0029 e  
spread : 0.010142 e  
created : 2023-08-21T15:26:31



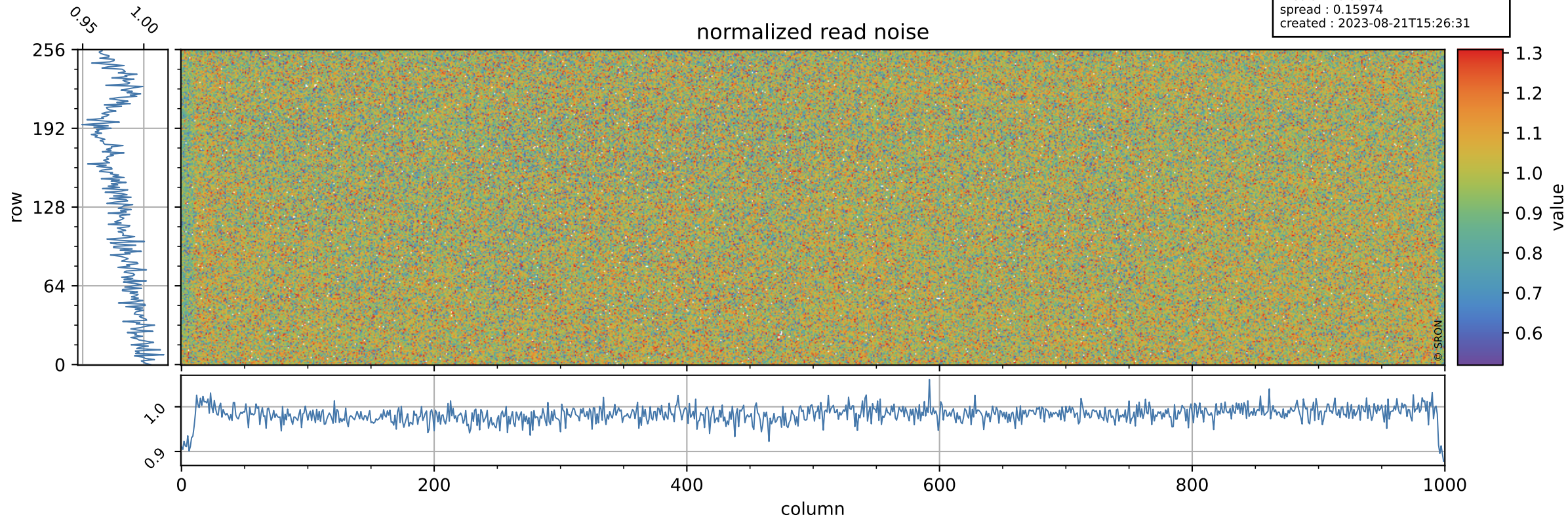
# Tropomi SWIR background noise (swir)

orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
median : 1.1294 e  
spread : 0.063101 e  
created : 2023-08-21T15:26:31



# Tropomi SWIR background noise (swir)

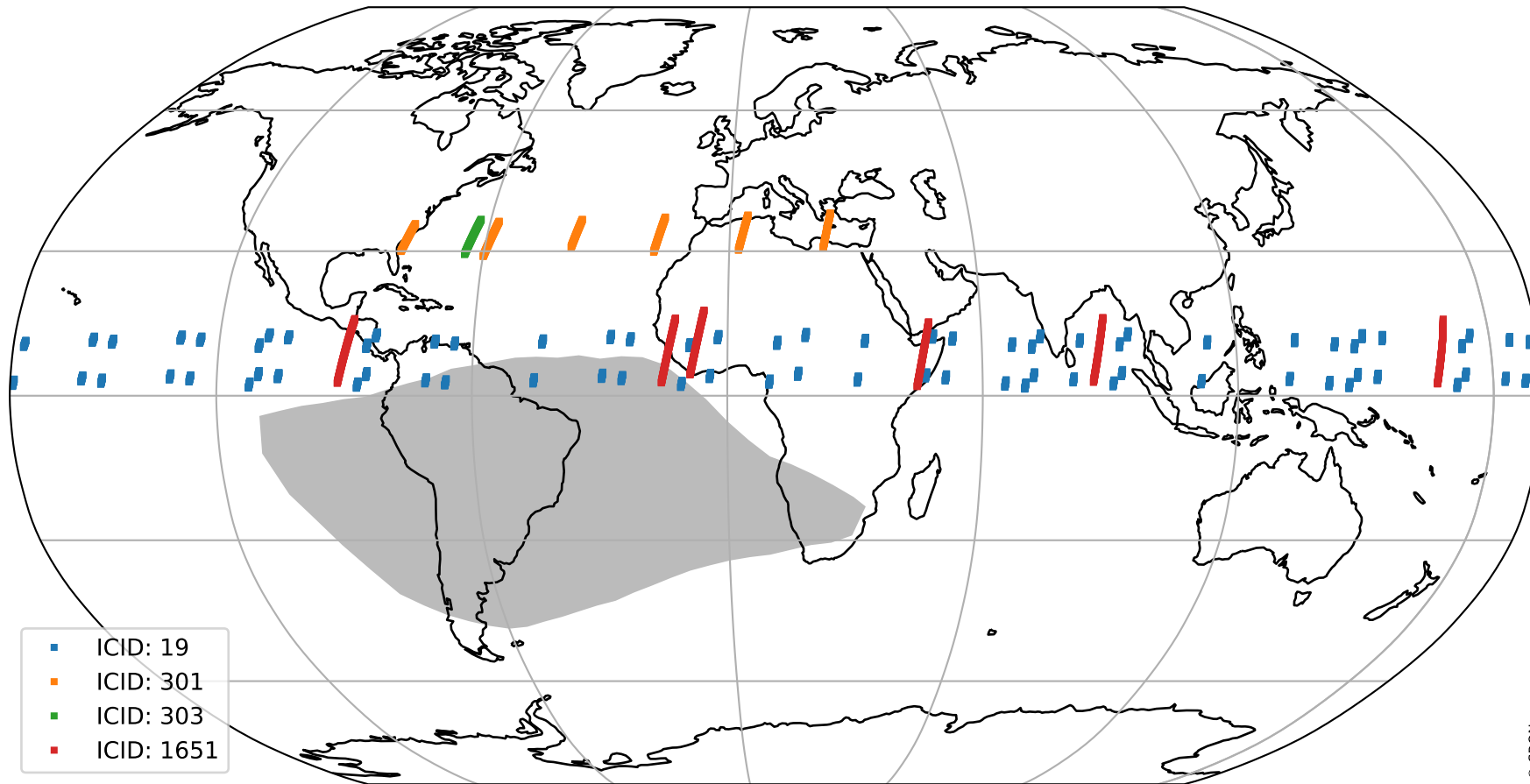
orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
median : 0.98107  
spread : 0.15974  
created : 2023-08-21T15:26:31





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

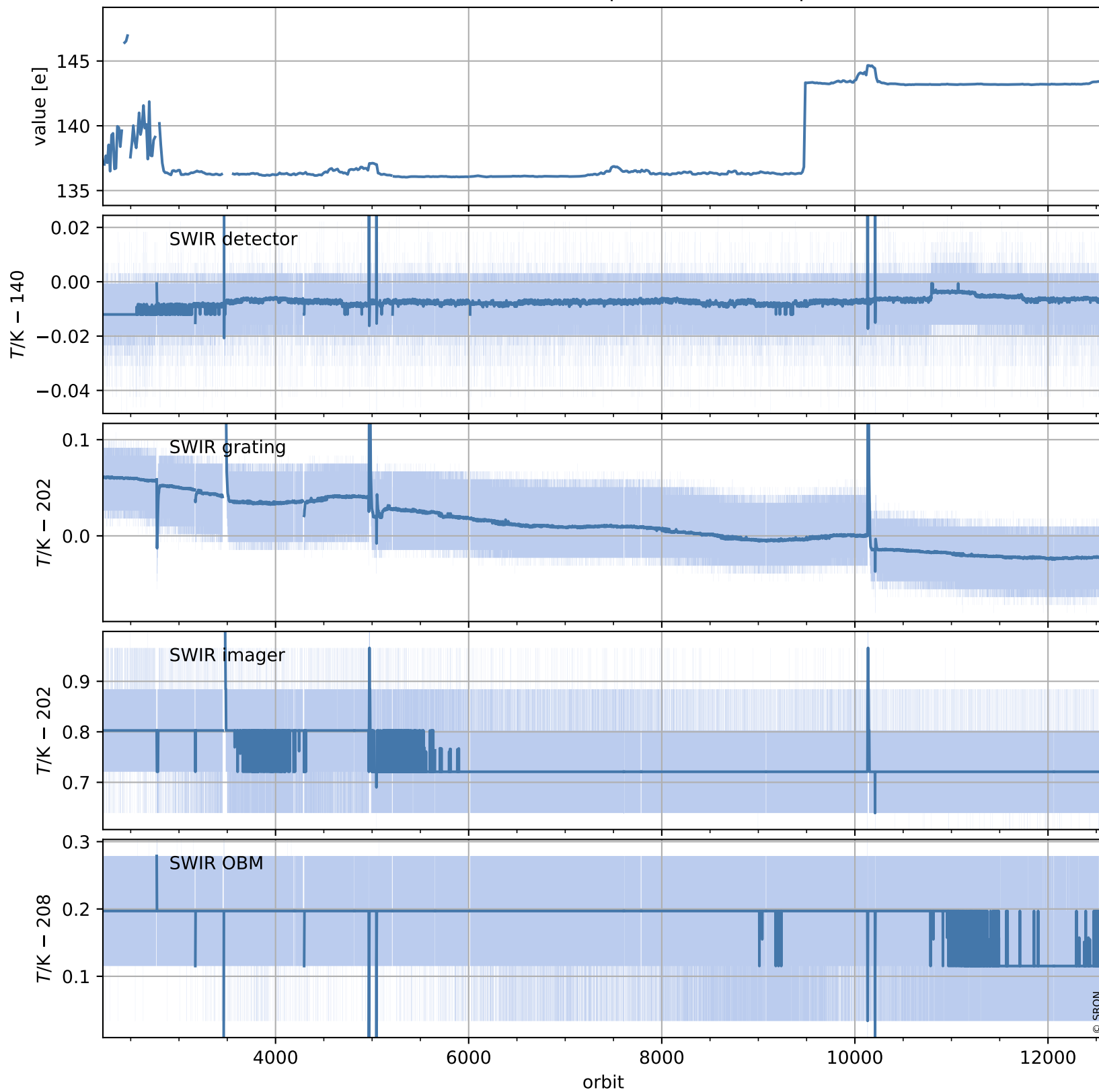
orbits : 13 in [12487, 12577]  
coverage : 2020-03-11 / 2020-03-17  
created : 2023-08-21T15:26:31



# Tropomi SWIR background noise (swir)

orbits : [2212, 12577]  
coverage : 2018-03-18 / 2020-03-17  
created : 2023-08-21T15:26:32

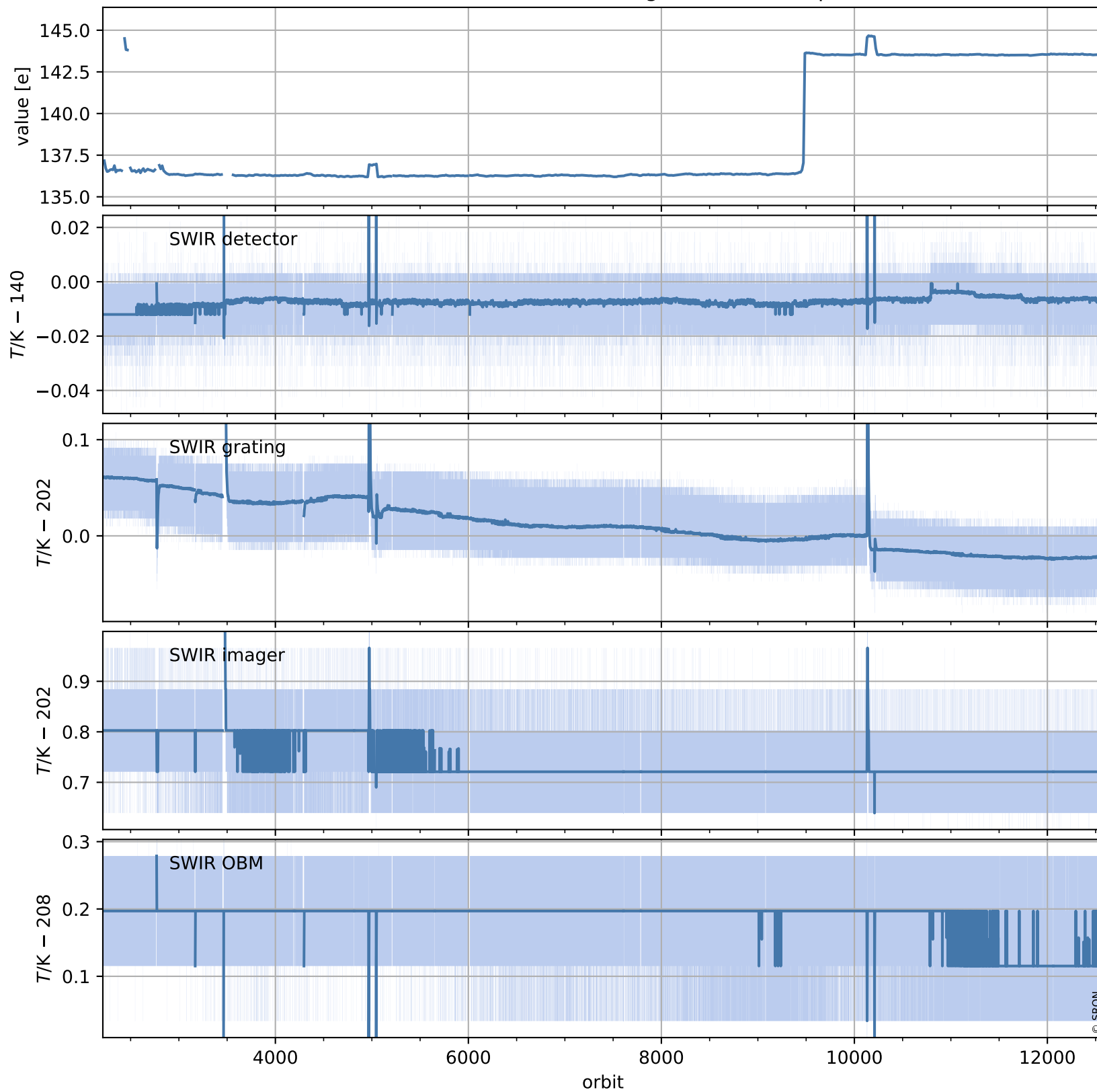
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12577]  
coverage : 2018-03-18 / 2020-03-17  
created : 2023-08-21T15:26:32

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12577]  
coverage : 2018-03-18 / 2020-03-17  
created : 2023-08-21T15:26:33

## trend of normalized read-noise & temperatures

