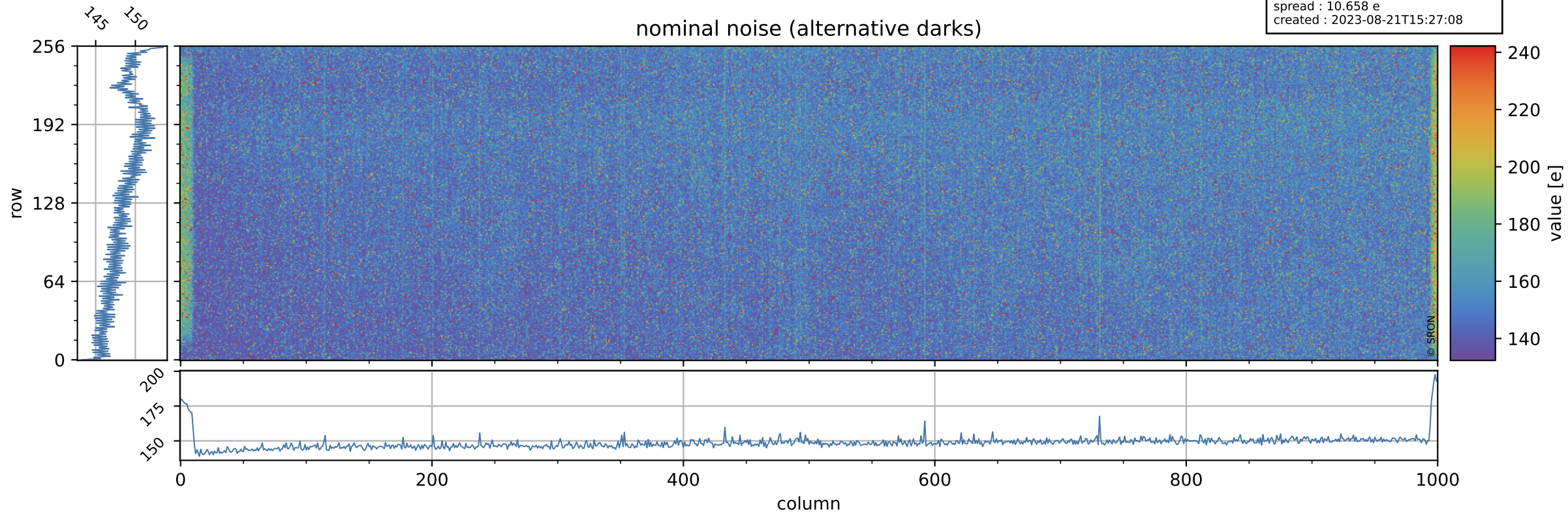


# Tropomi SWIR background noise (swir)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.658 e  
created : 2023-08-21T15:27:08

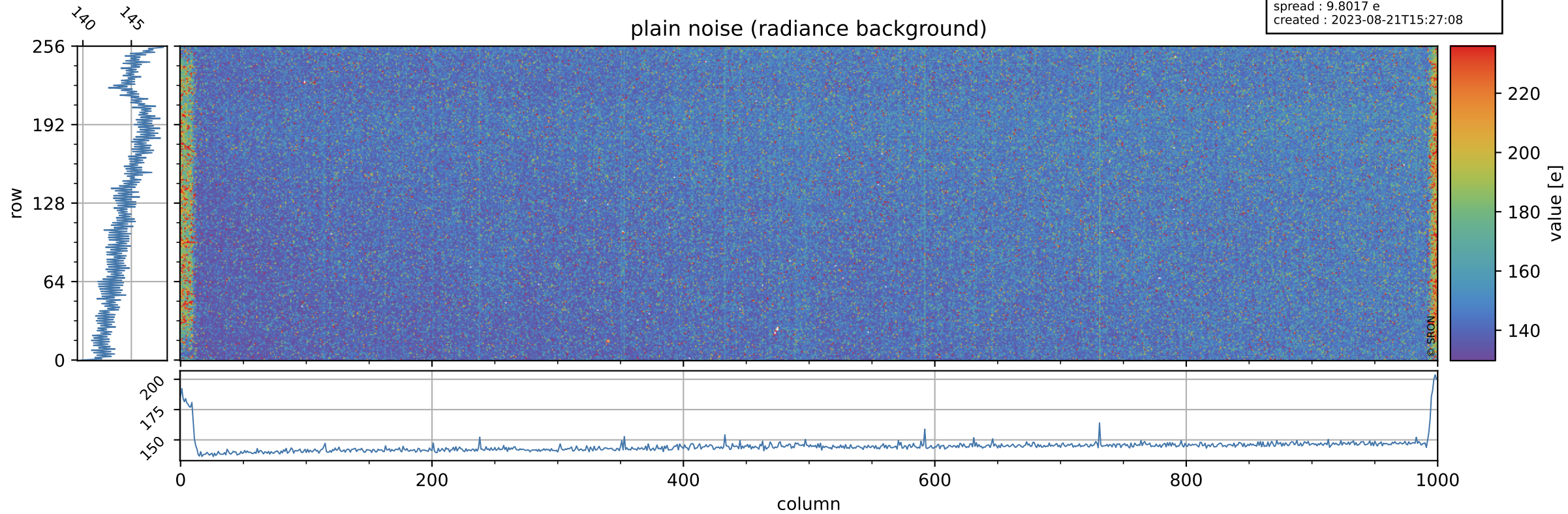
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
n\_coad, t\_exp : 1, 0.8383  
median : 144.31 e  
spread : 9.8017 e  
created : 2023-08-21T15:27:08

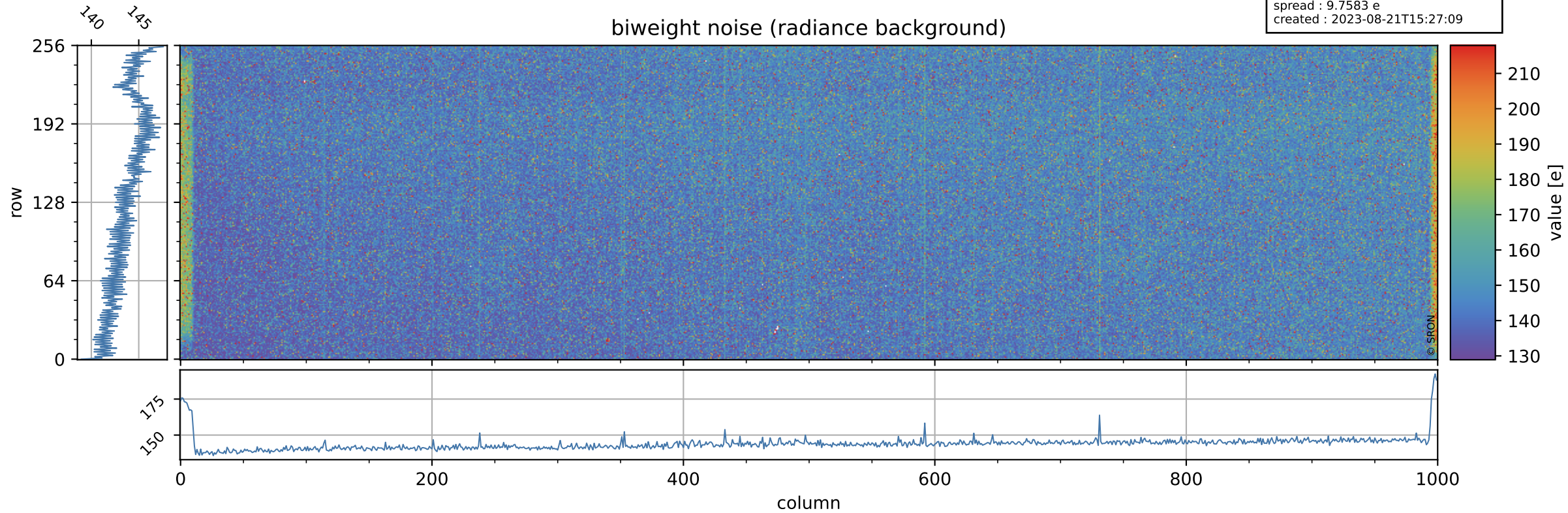
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.7583 e  
created : 2023-08-21T15:27:09

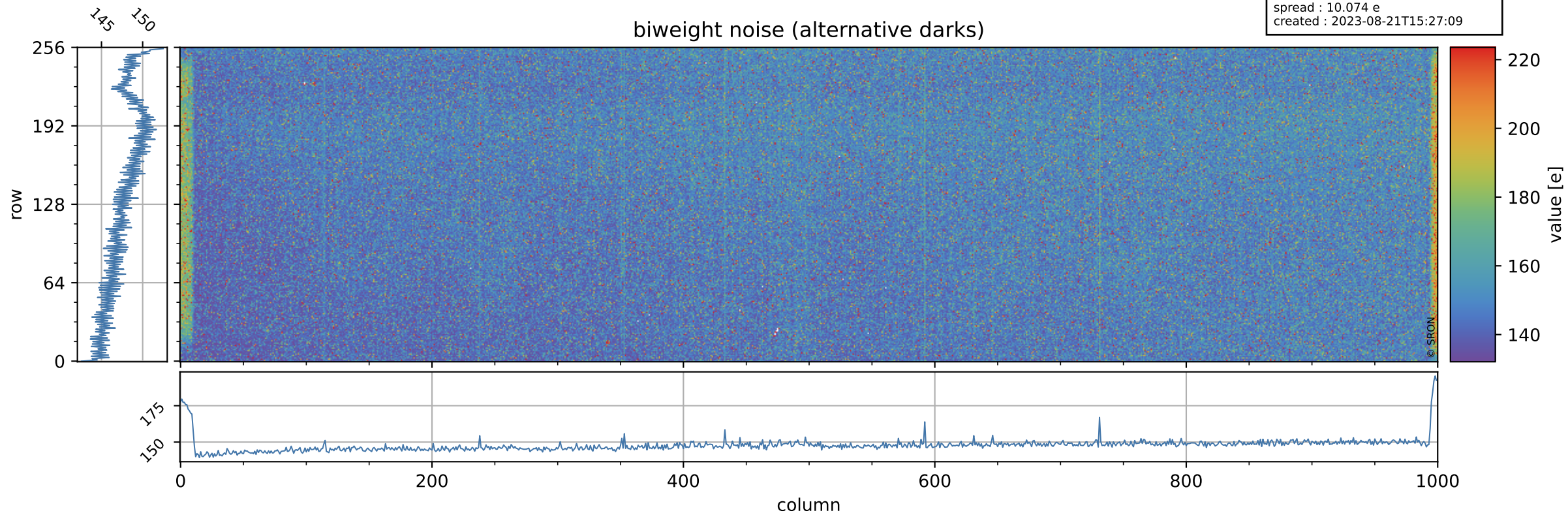
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 10.074 e  
created : 2023-08-21T15:27:09

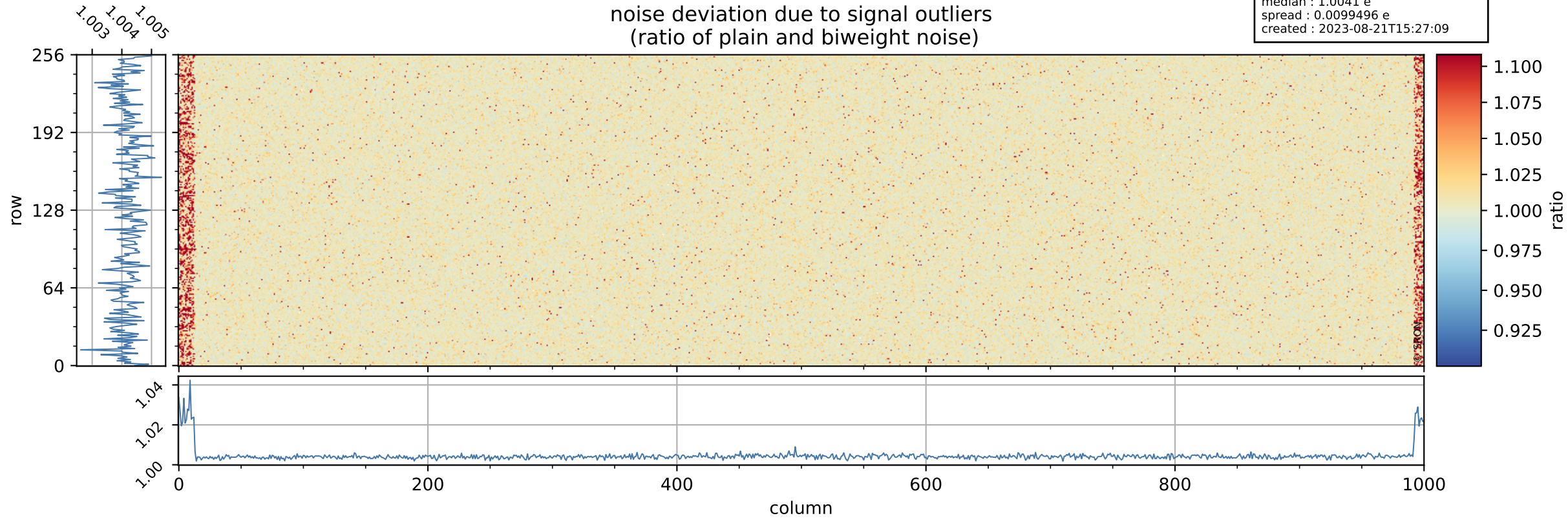
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

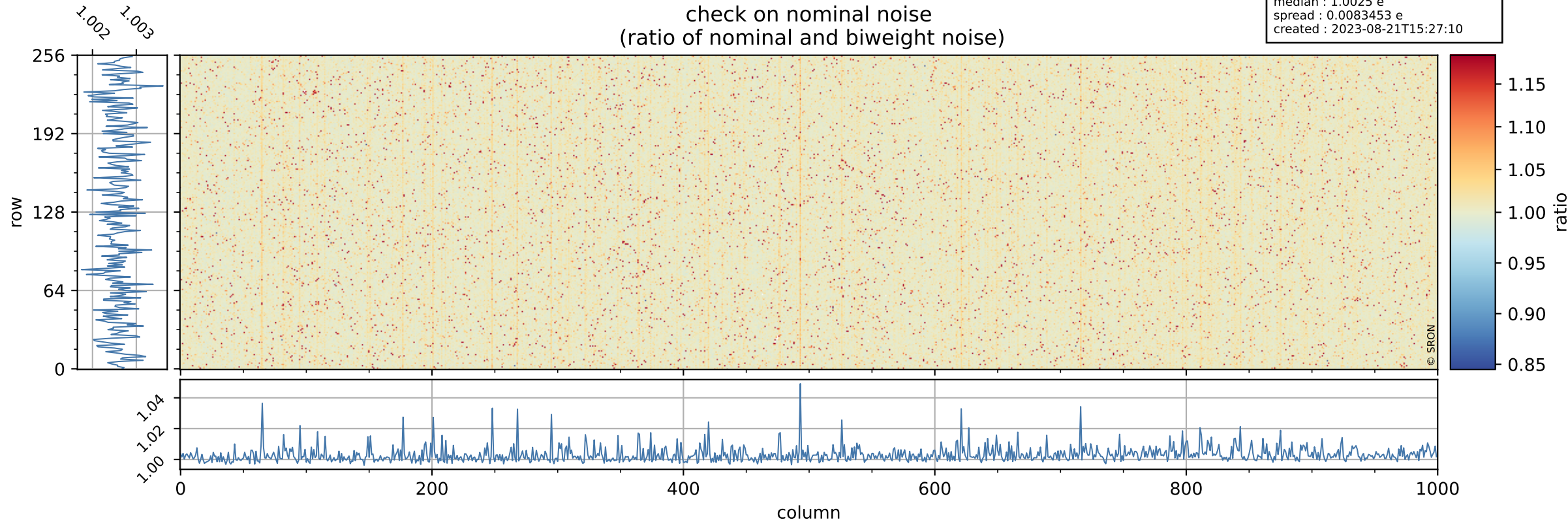
orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
median : 1.0041 e  
spread : 0.0099496 e  
created : 2023-08-21T15:27:09



# Tropomi SWIR background noise (swir)

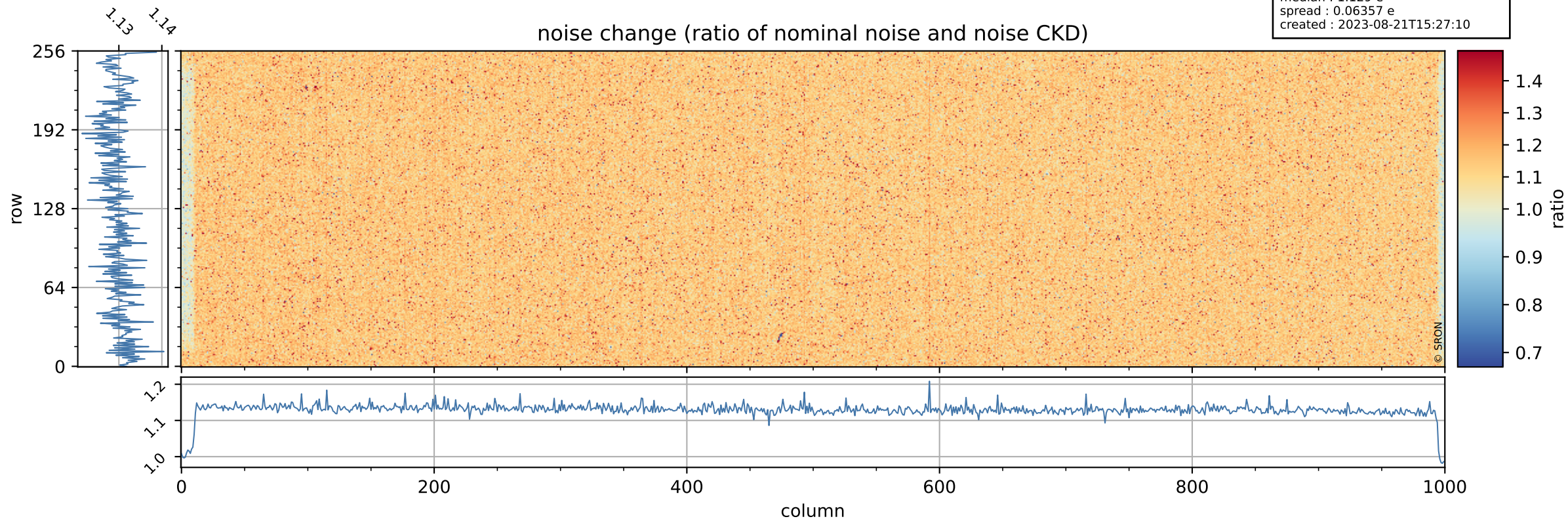
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
median : 1.0025 e  
spread : 0.0083453 e  
created : 2023-08-21T15:27:10



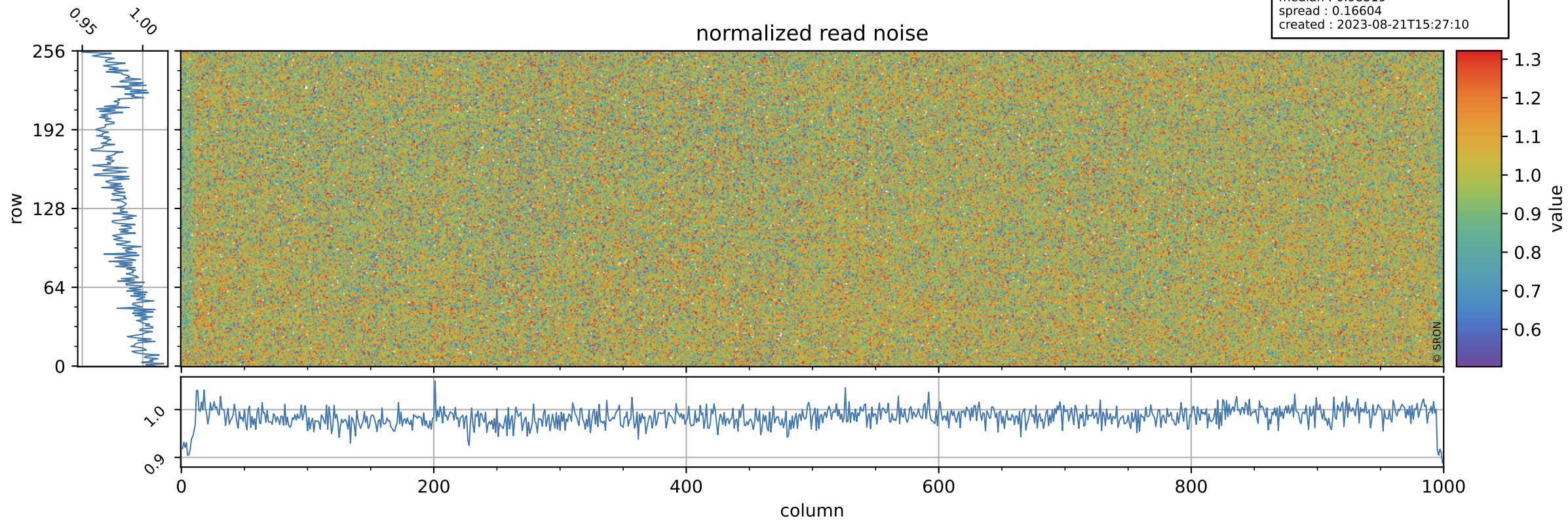
# Tropomi SWIR background noise (swir)

orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
median : 1.129 e  
spread : 0.06357 e  
created : 2023-08-21T15:27:10



# Tropomi SWIR background noise (swir)

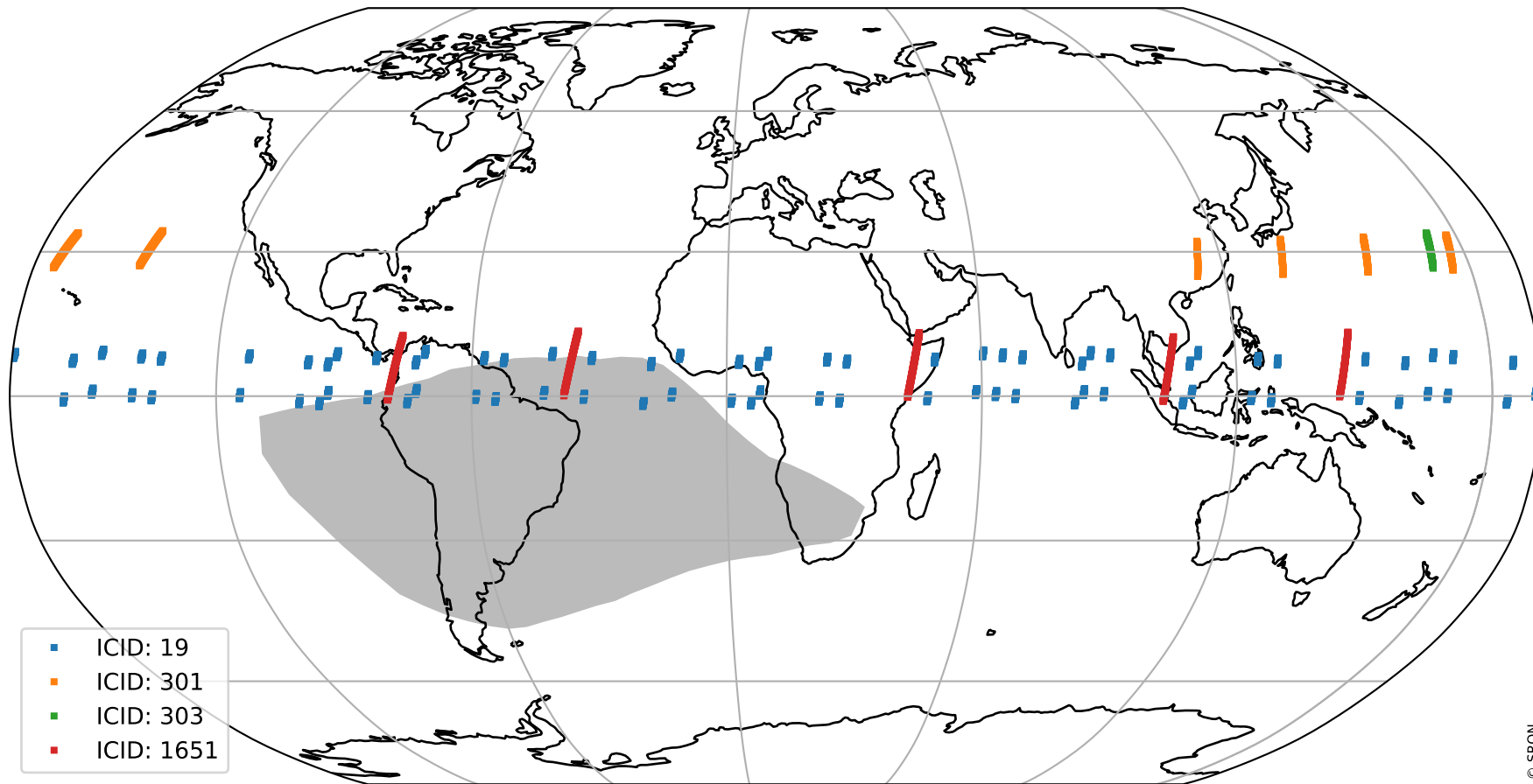
orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
median : 0.98319  
spread : 0.16604  
created : 2023-08-21T15:27:10





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

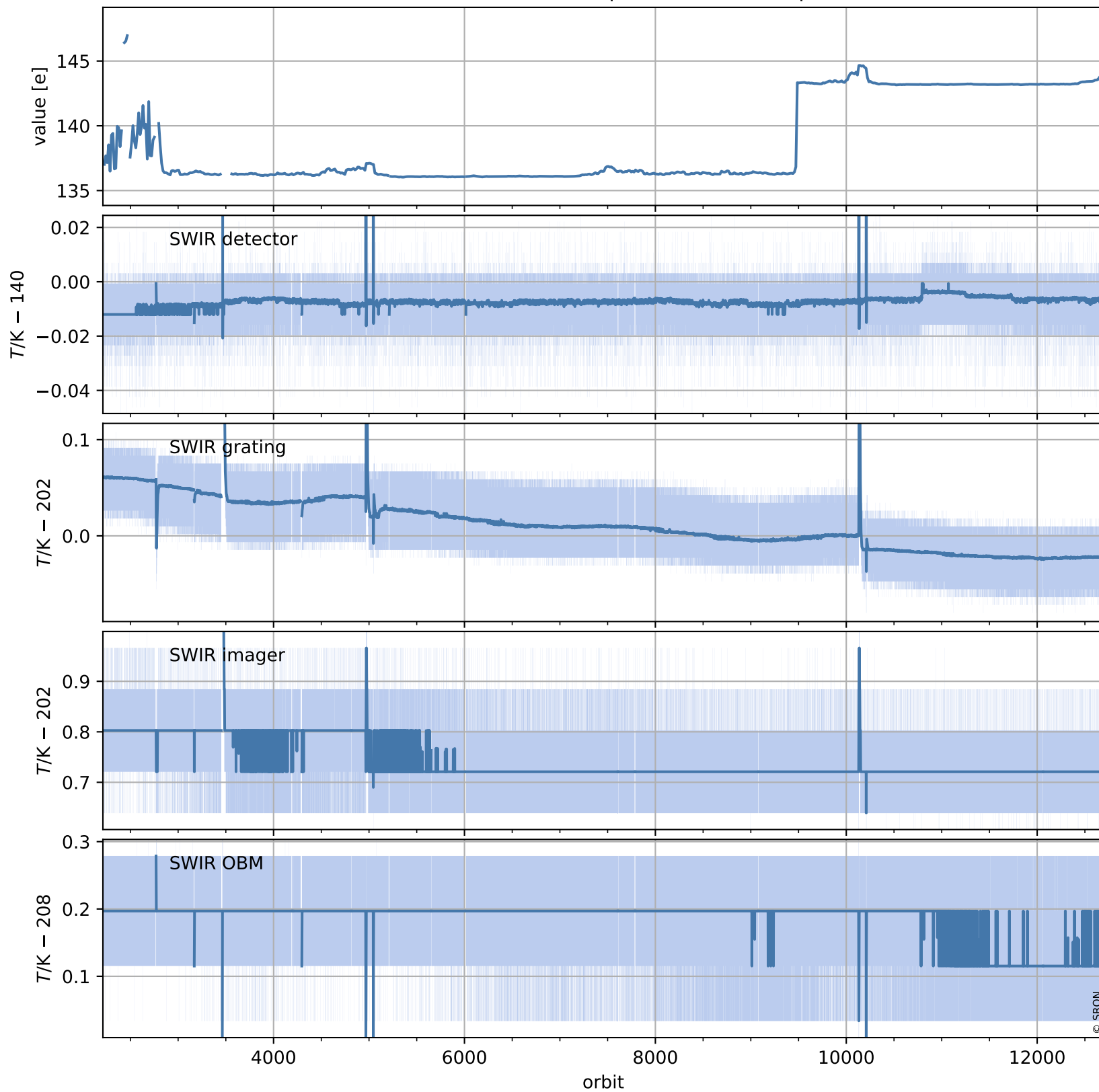
orbits : 12 in [12622, 12697]  
coverage : 2020-03-20 / 2020-03-25  
created : 2023-08-21T15:27:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 12697]  
coverage : 2018-03-18 / 2020-03-25  
created : 2023-08-21T15:27:11

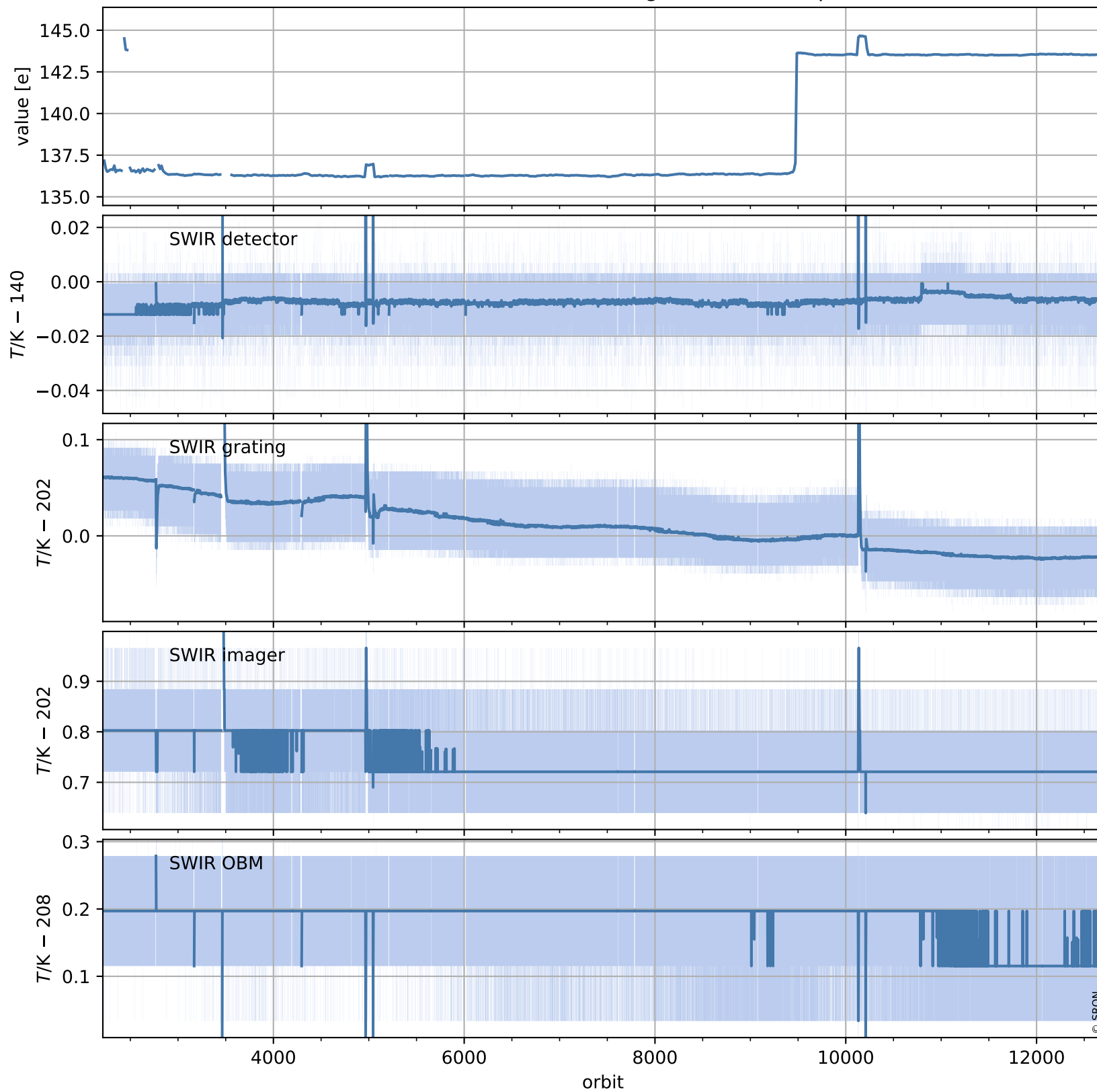
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12697]  
coverage : 2018-03-18 / 2020-03-25  
created : 2023-08-21T15:27:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12697]  
coverage : 2018-03-18 / 2020-03-25  
created : 2023-08-21T15:27:12

## trend of normalized read-noise & temperatures

