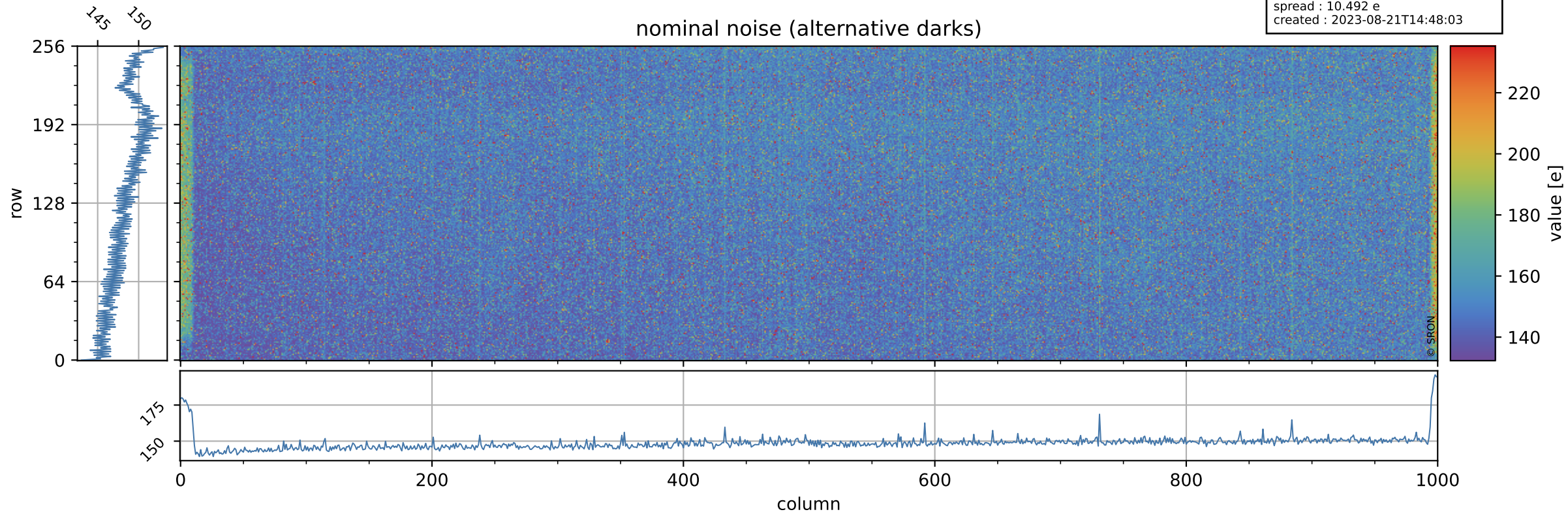


# Tropomi SWIR background noise (swir)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.492 e  
created : 2023-08-21T14:48:03

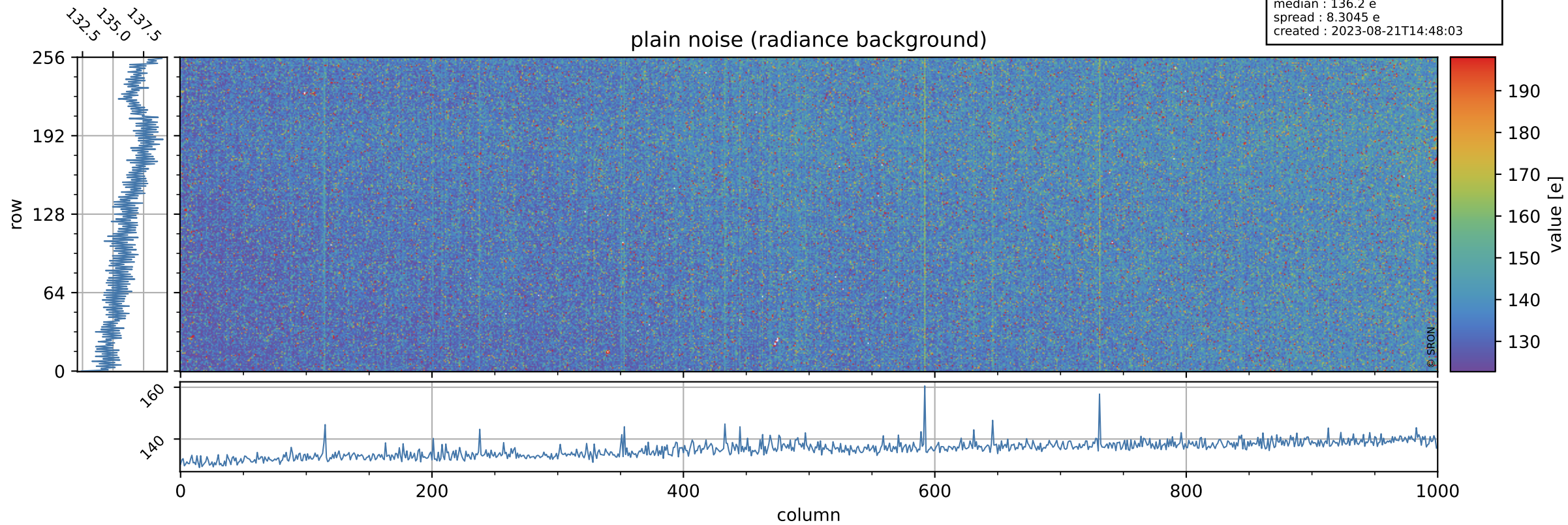
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.3045 e  
created : 2023-08-21T14:48:03

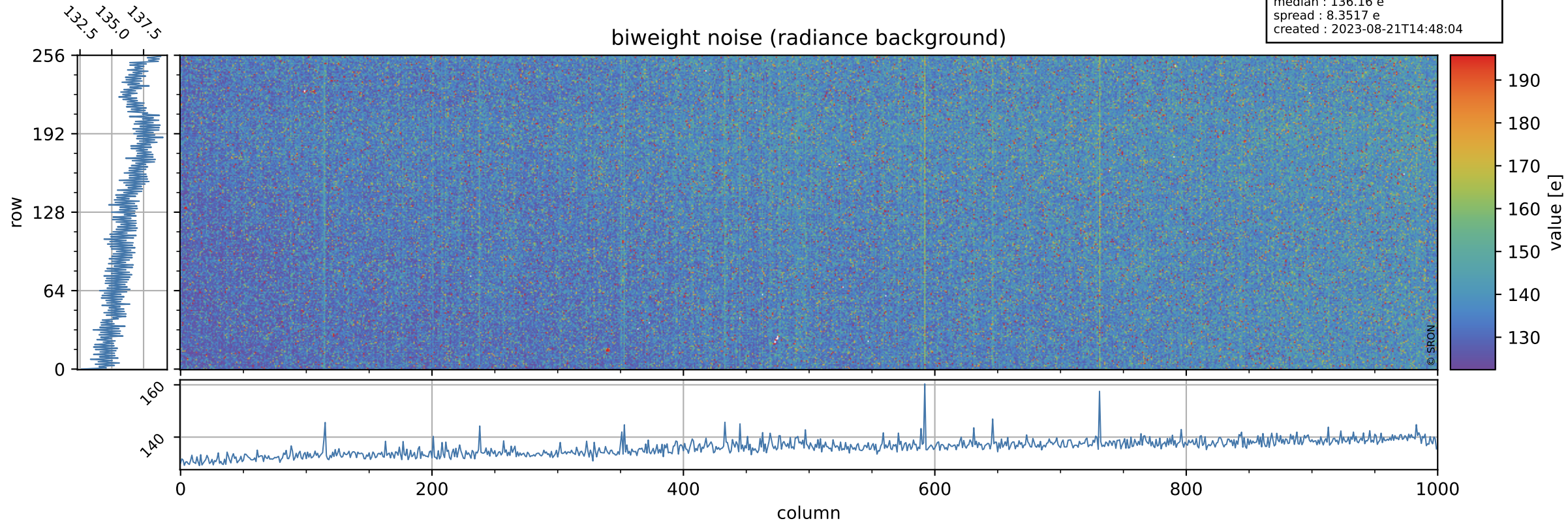
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.3517 e  
created : 2023-08-21T14:48:04

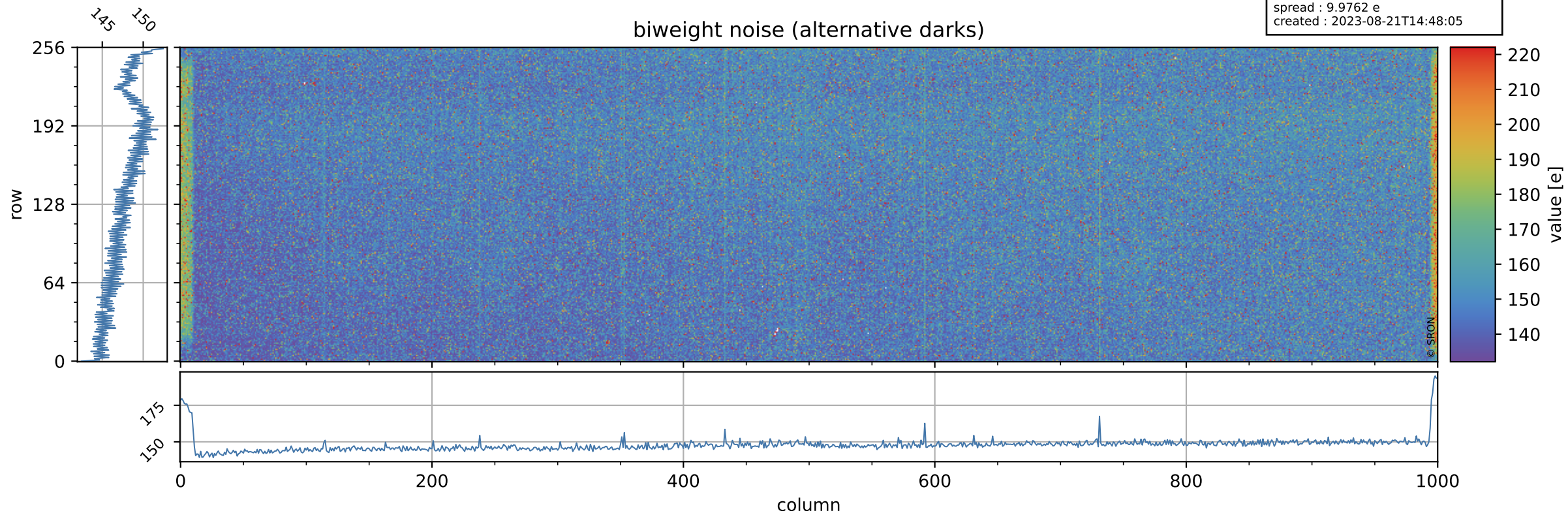
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 9.9762 e  
created : 2023-08-21T14:48:05

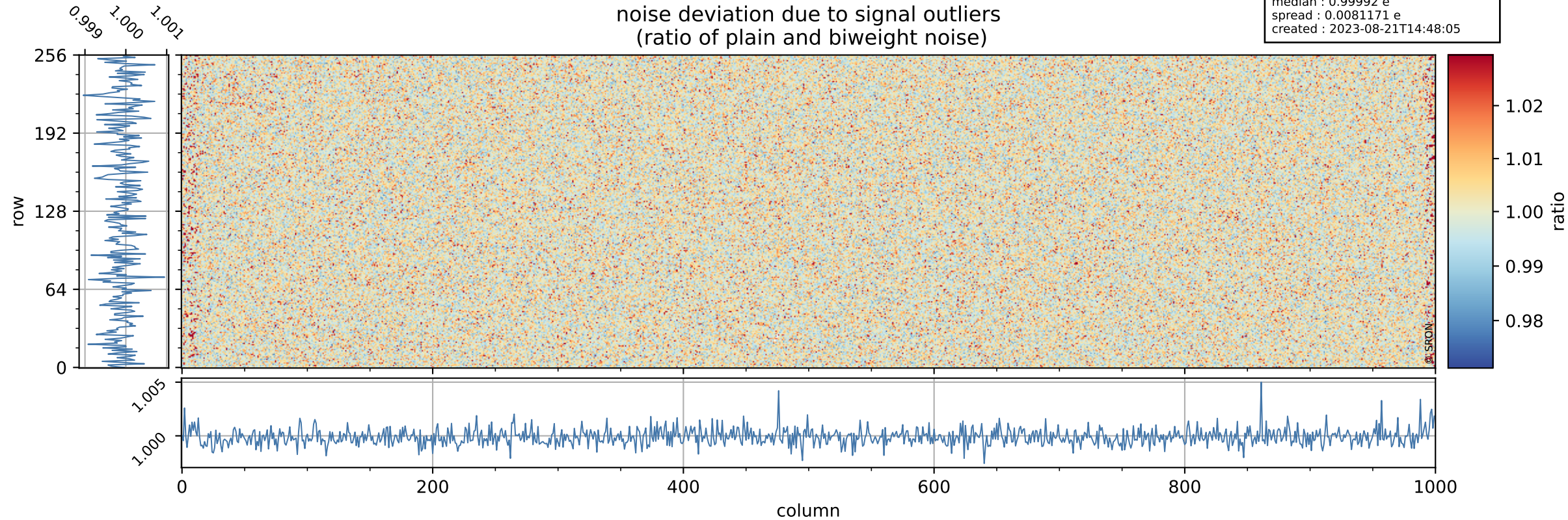
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

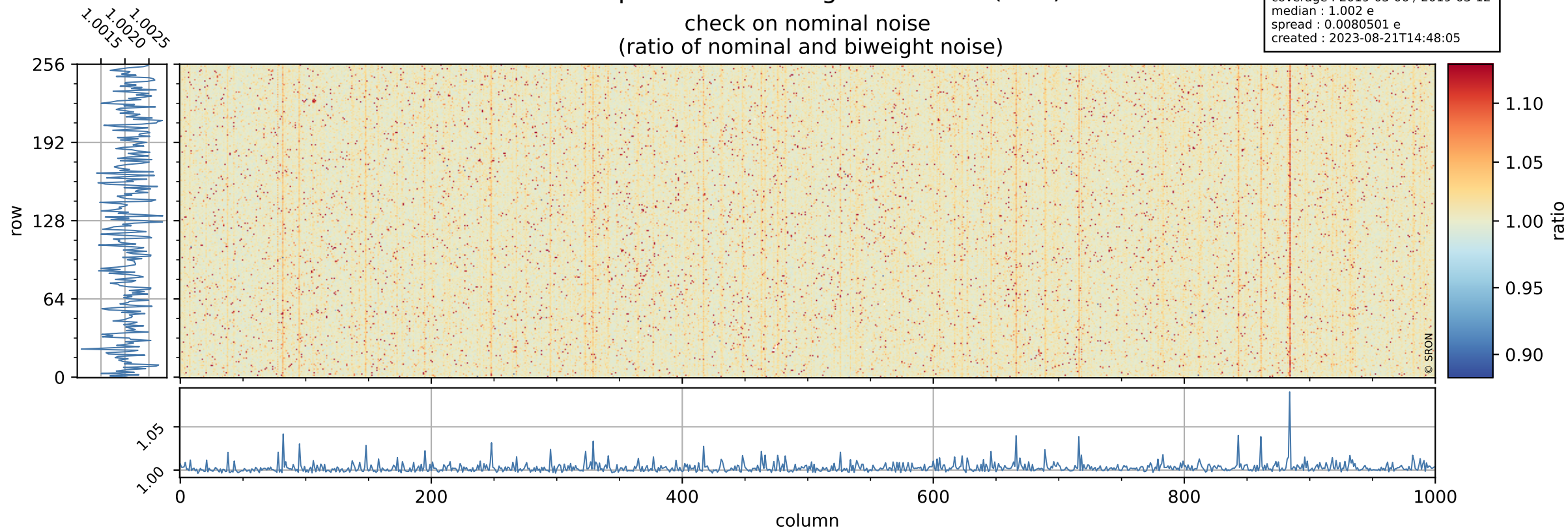
orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
median : 0.99992 e  
spread : 0.0081171 e  
created : 2023-08-21T14:48:05



# Tropomi SWIR background noise (swir)

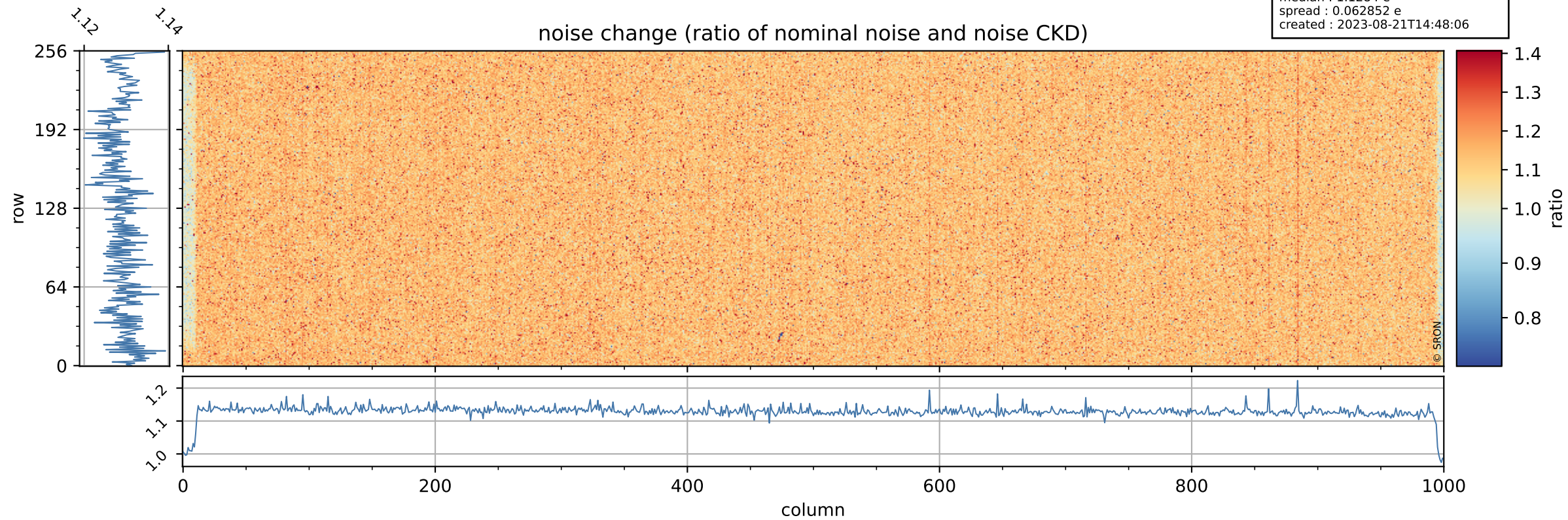
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
median : 1.002 e  
spread : 0.0080501 e  
created : 2023-08-21T14:48:05



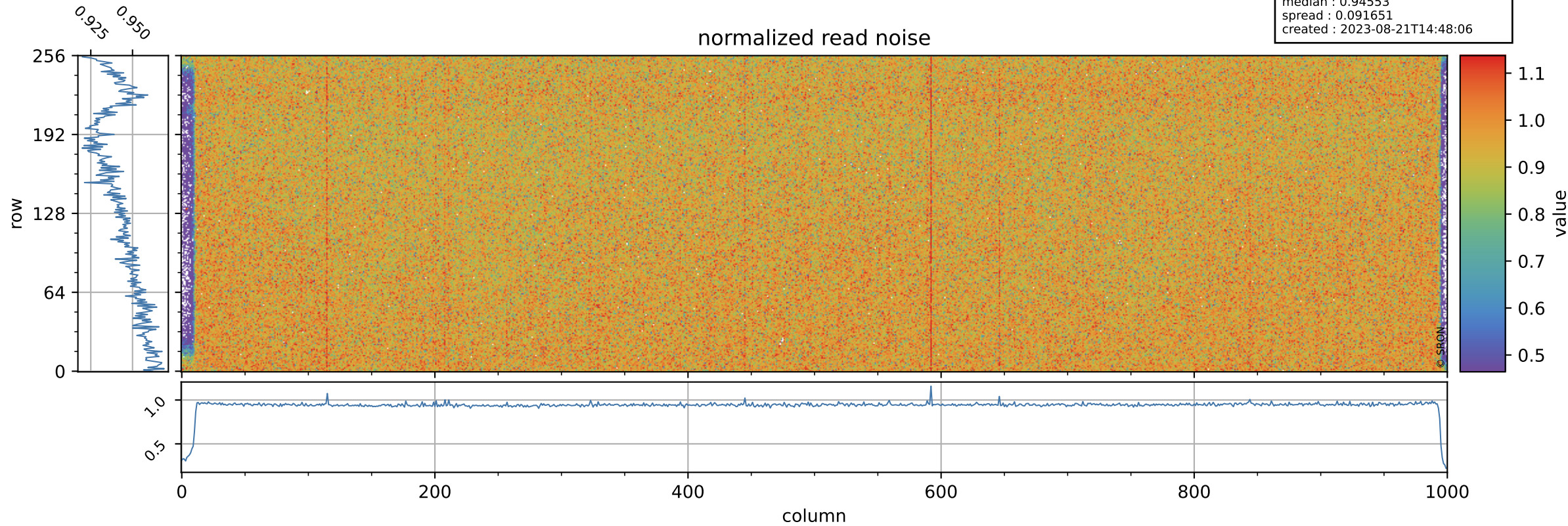
# Tropomi SWIR background noise (swir)

orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
median : 1.1284 e  
spread : 0.062852 e  
created : 2023-08-21T14:48:06



# Tropomi SWIR background noise (swir)

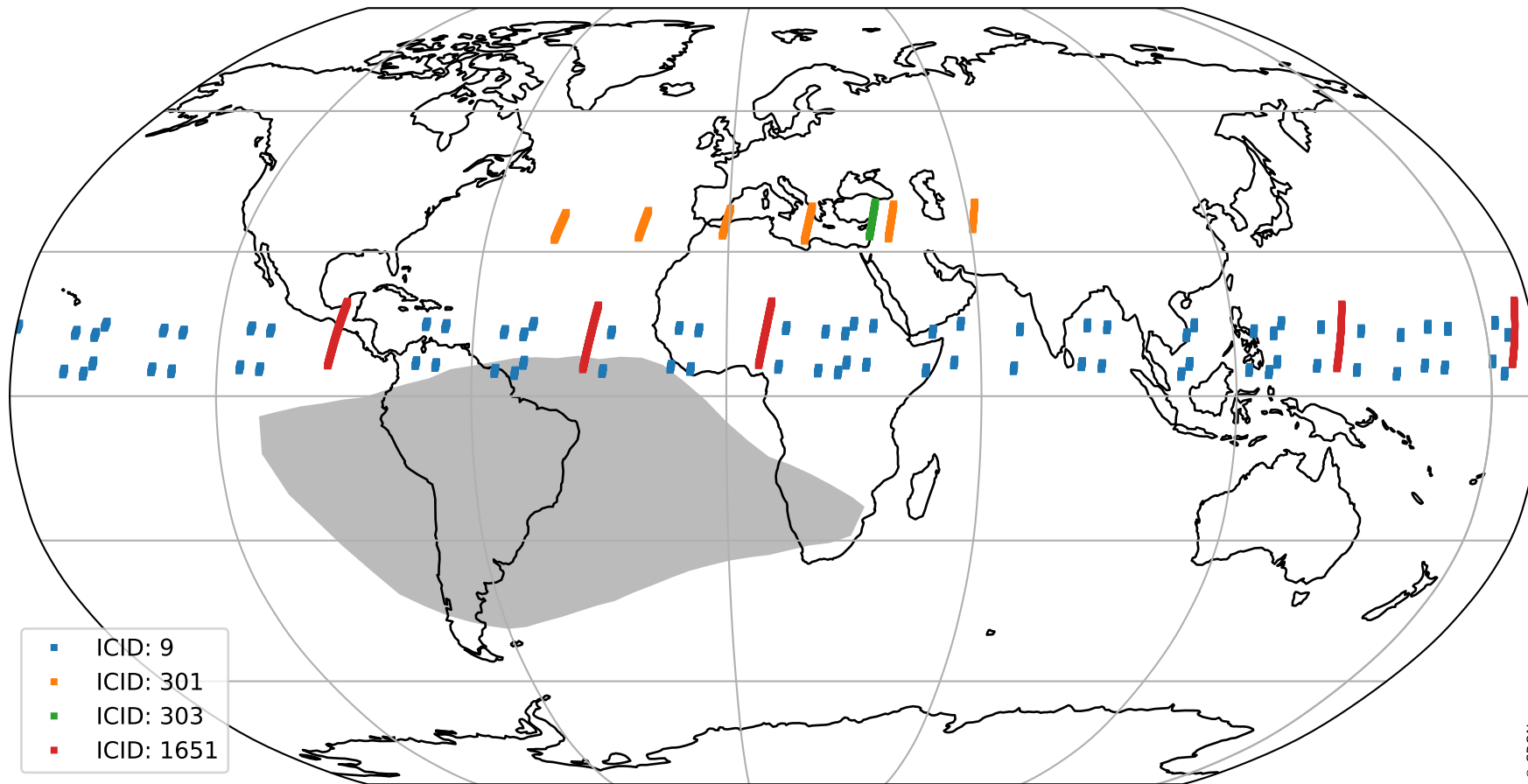
orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
median : 0.94553  
spread : 0.091651  
created : 2023-08-21T14:48:06





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

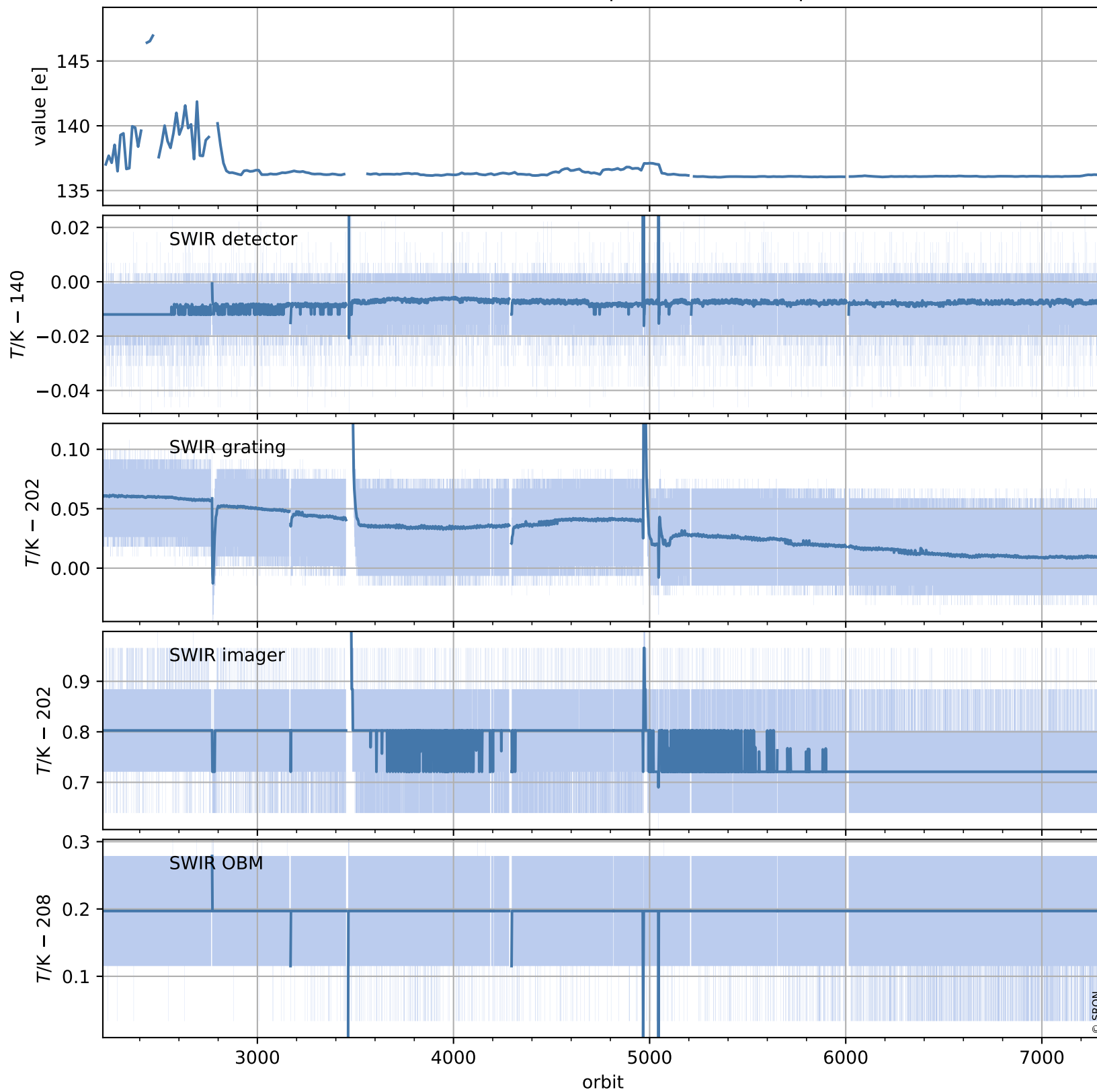
orbits : 12 in [7237, 7312]  
coverage : 2019-03-06 / 2019-03-12  
created : 2023-08-21T14:48:07



# Tropomi SWIR background noise (swir)

orbits : [2212, 7312]  
coverage : 2018-03-18 / 2019-03-12  
created : 2023-08-21T14:48:07

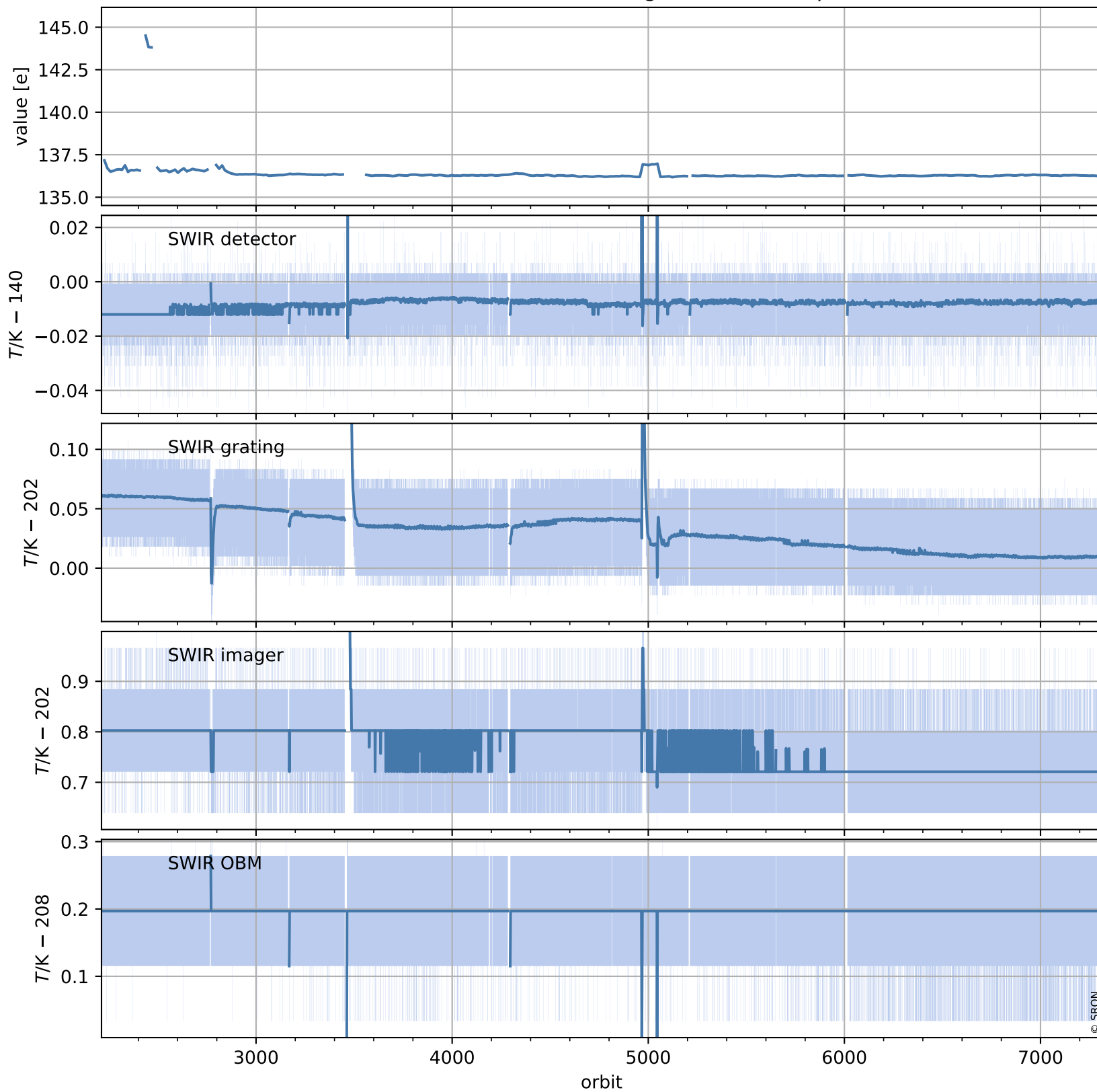
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7312]  
coverage : 2018-03-18 / 2019-03-12  
created : 2023-08-21T14:48:08

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7312]  
coverage : 2018-03-18 / 2019-03-12  
created : 2023-08-21T14:48:09

## trend of normalized read-noise & temperatures

