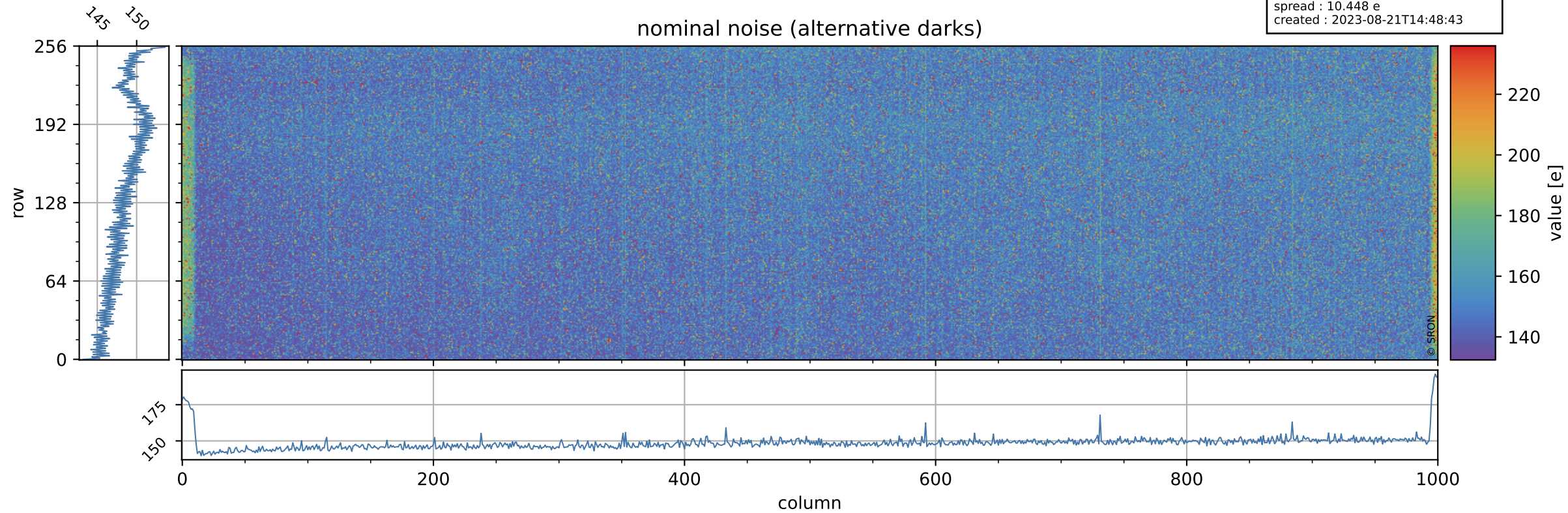


# Tropomi SWIR background noise (swir)

orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.33 e  
spread : 10.448 e  
created : 2023-08-21T14:48:43

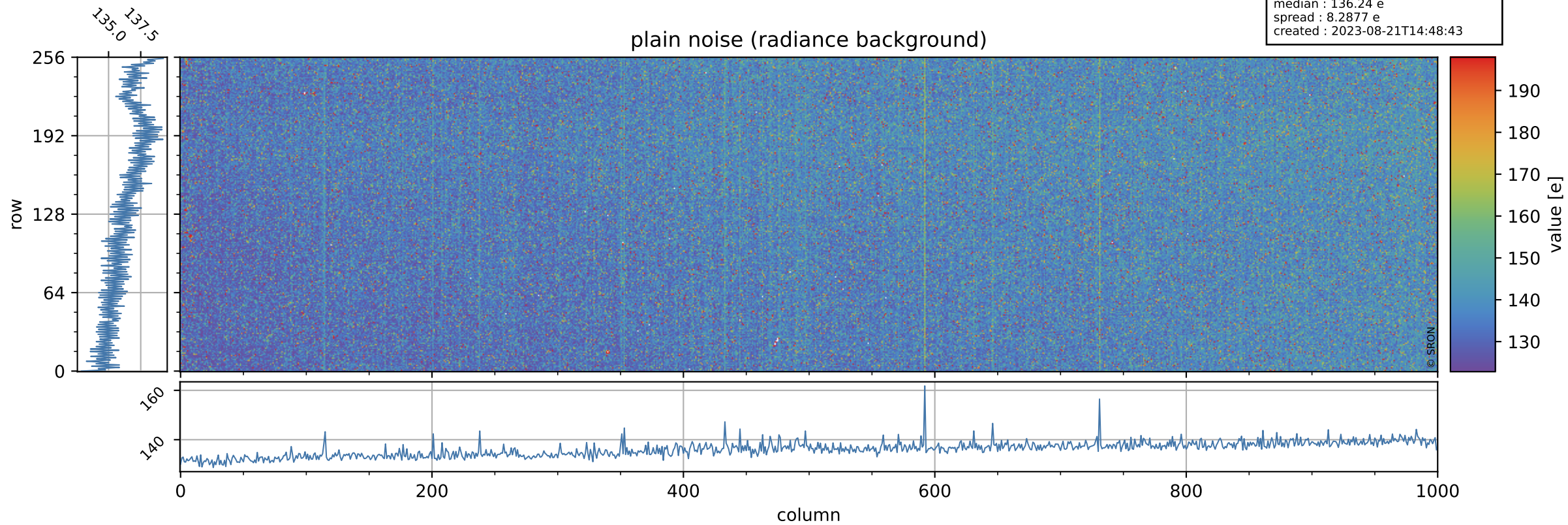
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.2877 e  
created : 2023-08-21T14:48:43

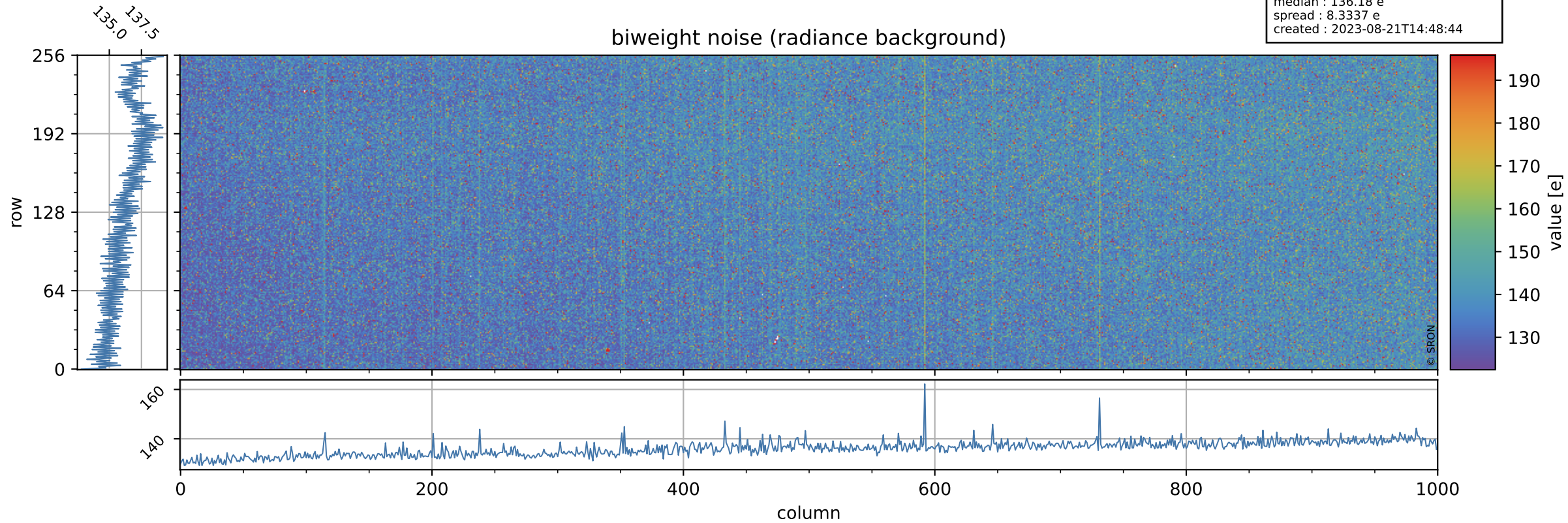
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.3337 e  
created : 2023-08-21T14:48:44

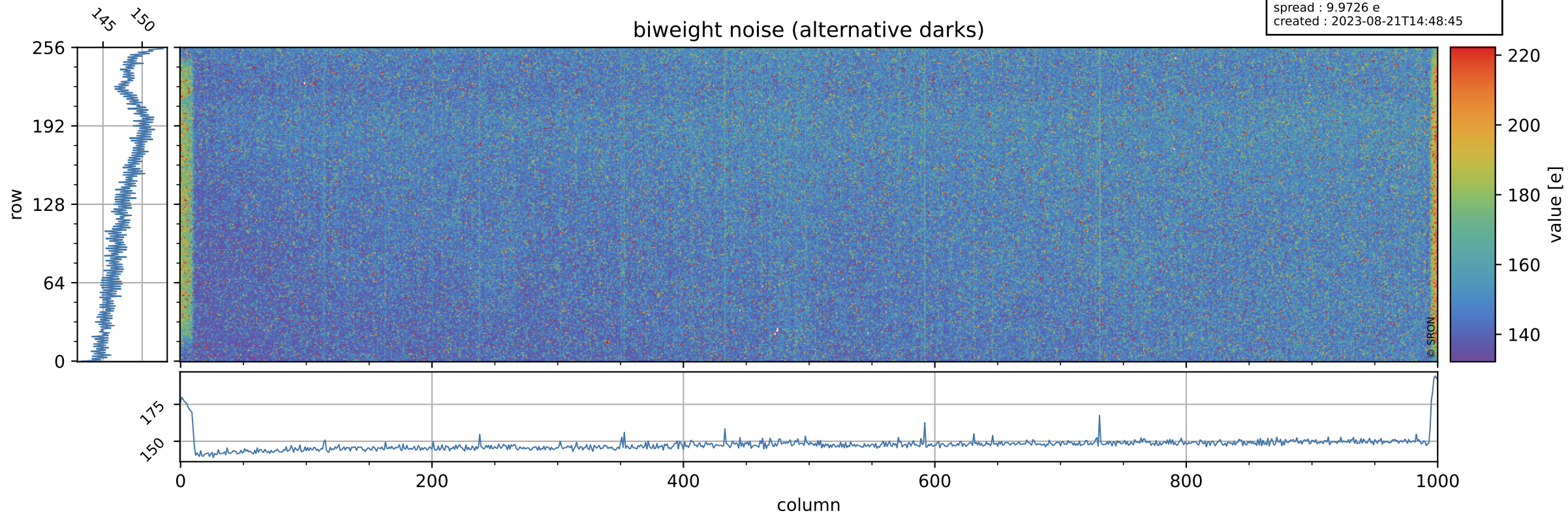
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.58 e  
spread : 9.9726 e  
created : 2023-08-21T14:48:45

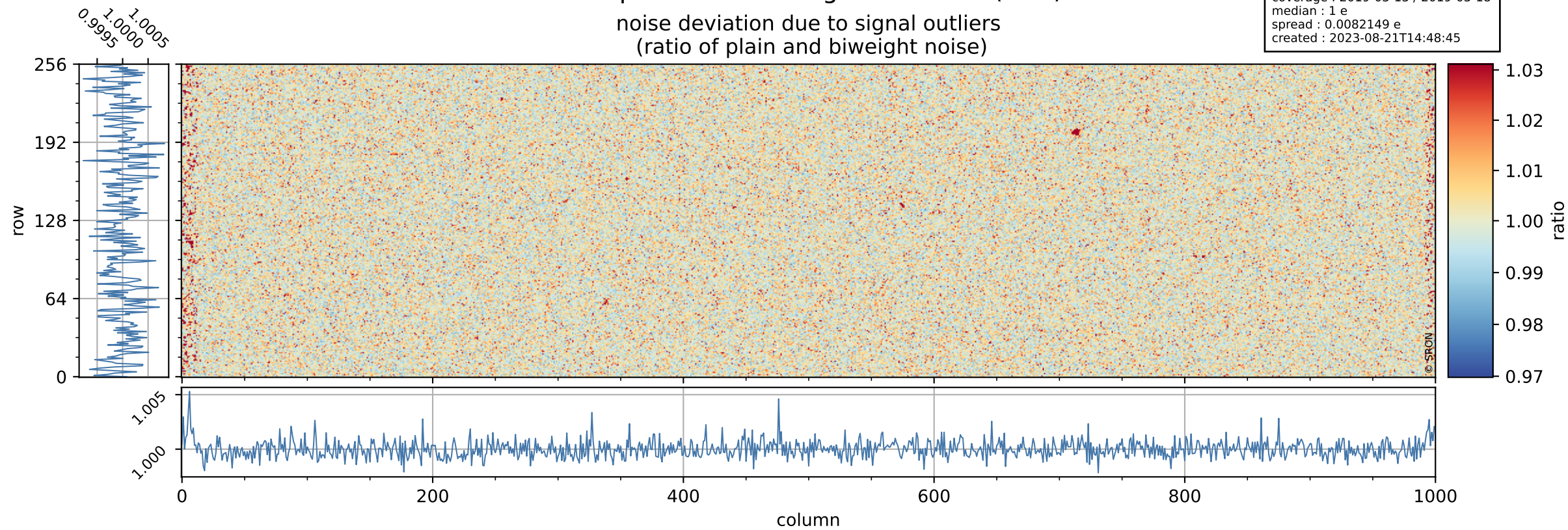
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

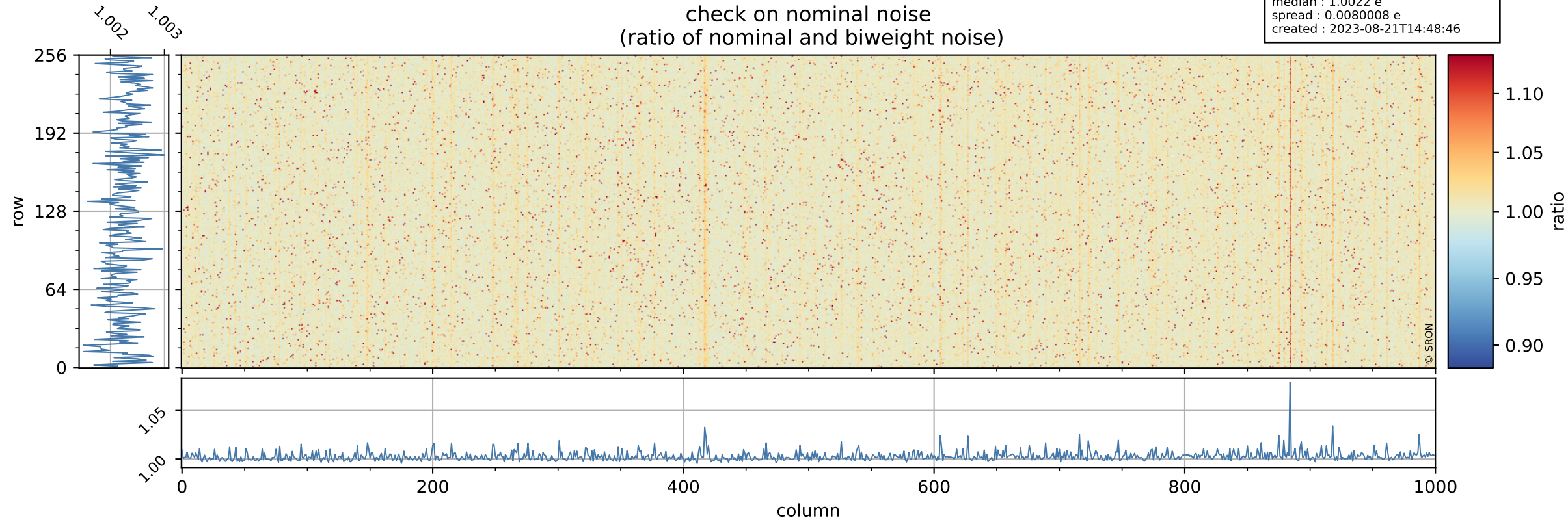
orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
median : 1 e  
spread : 0.0082149 e  
created : 2023-08-21T14:48:45



# Tropomi SWIR background noise (swir)

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

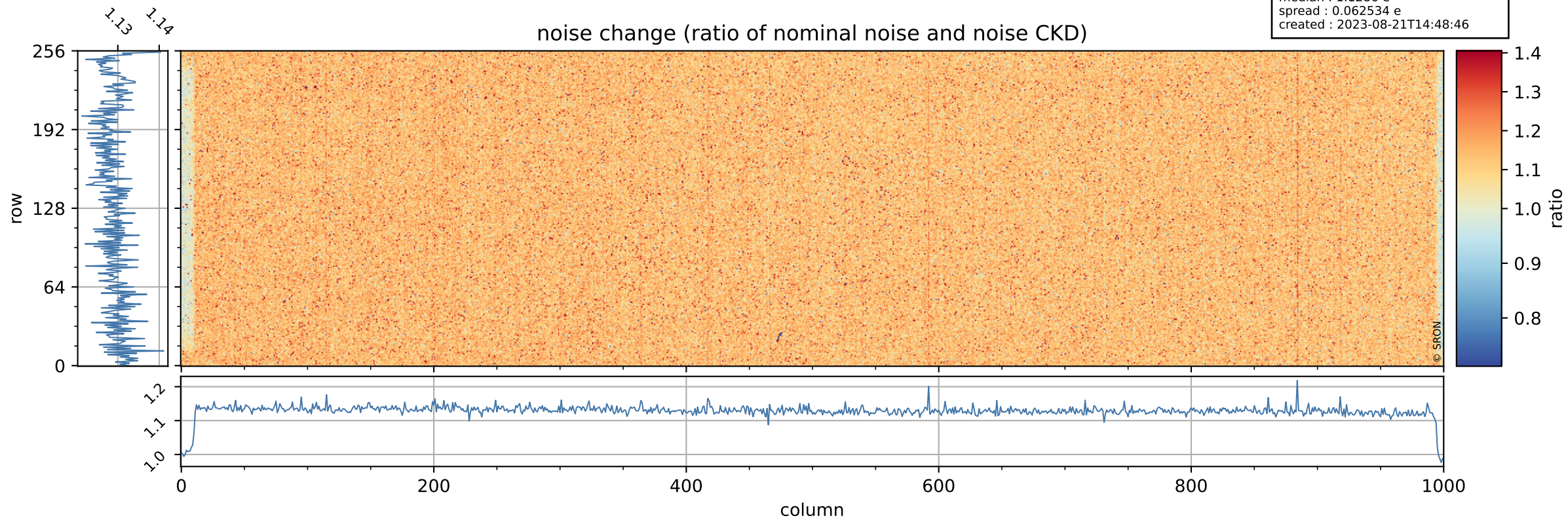
orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
median : 1.0022 e  
spread : 0.0080008 e  
created : 2023-08-21T14:48:46



# Tropomi SWIR background noise (swir)

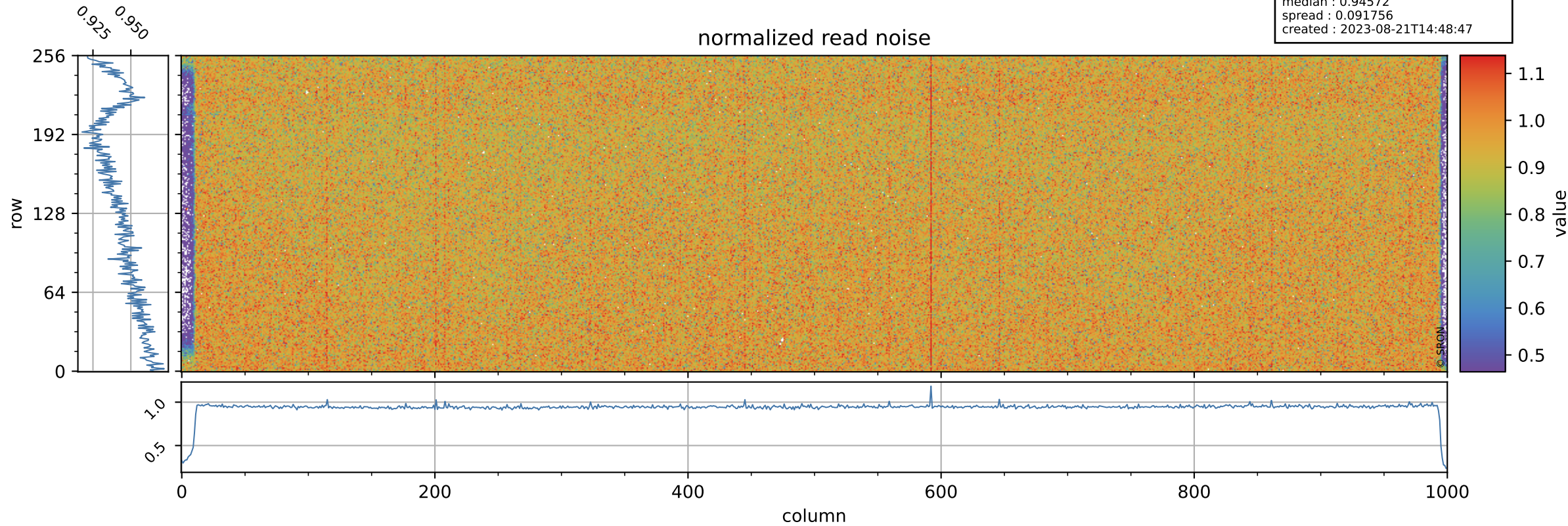
orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
median : 1.1286 e  
spread : 0.062534 e  
created : 2023-08-21T14:48:46

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

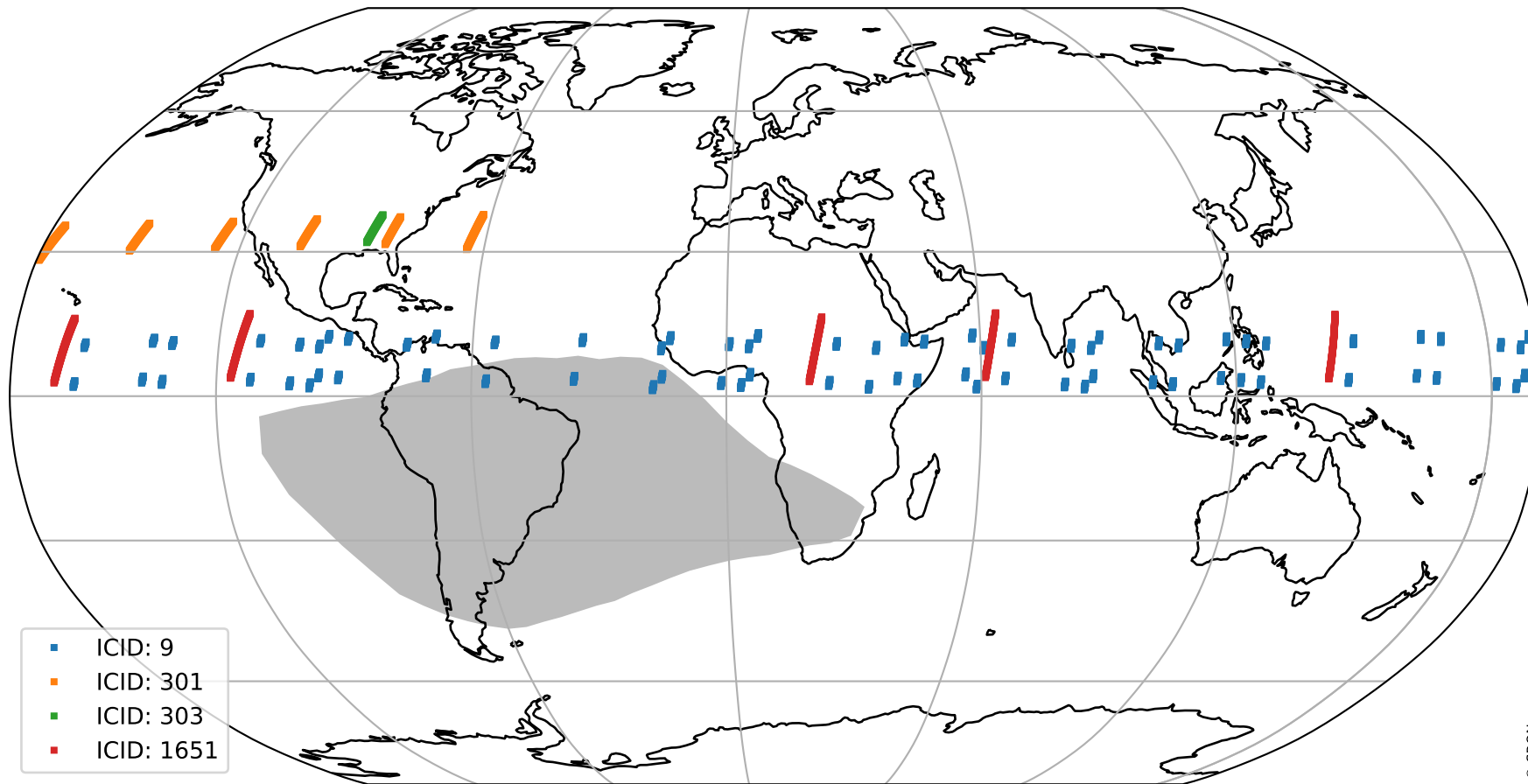
orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
median : 0.94572  
spread : 0.091756  
created : 2023-08-21T14:48:47





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

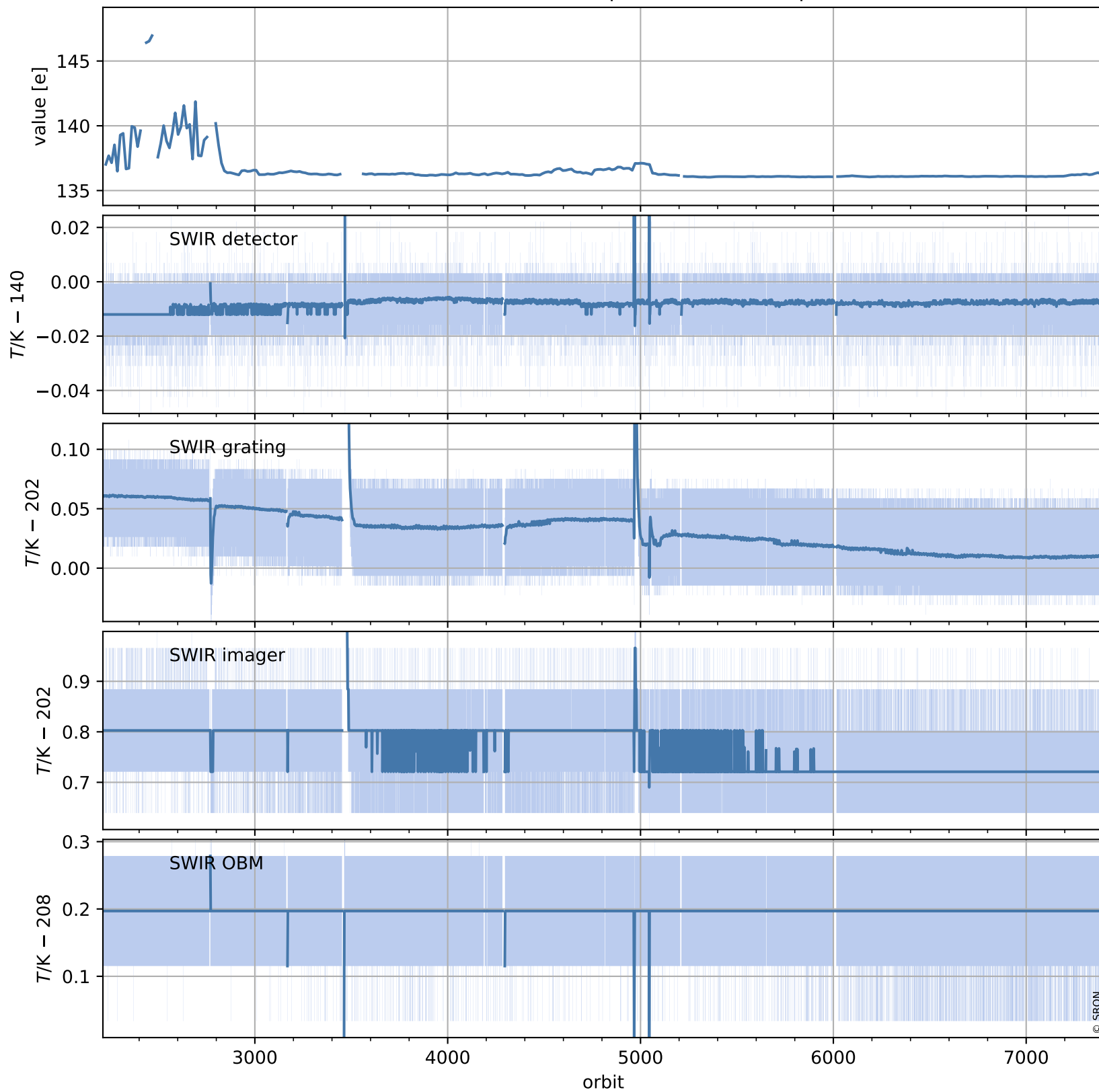
orbits : 12 in [7327, 7402]  
coverage : 2019-03-13 / 2019-03-18  
created : 2023-08-21T14:48:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 7402]  
coverage : 2018-03-18 / 2019-03-18  
created : 2023-08-21T14:48:47

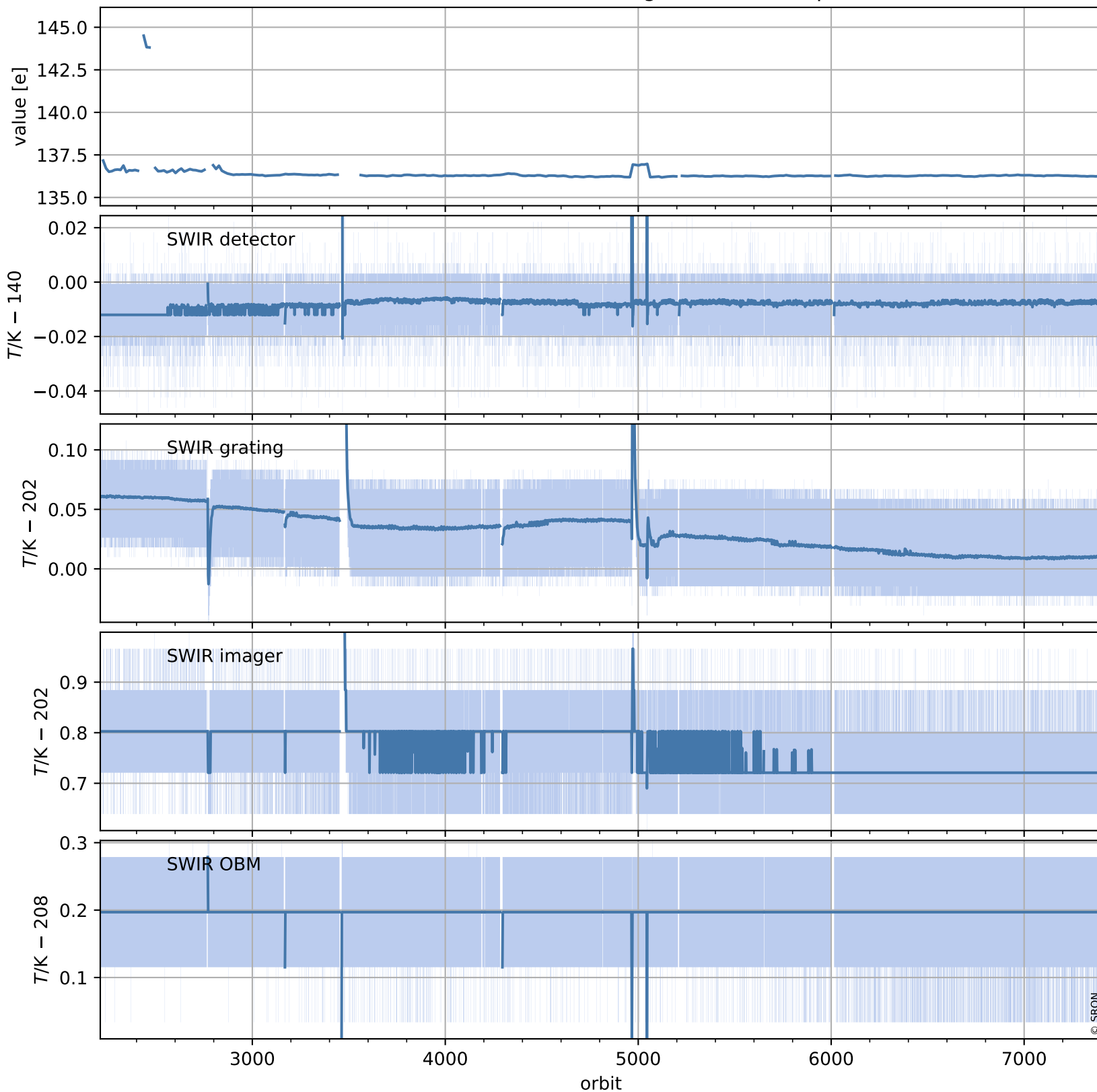
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7402]  
coverage : 2018-03-18 / 2019-03-18  
created : 2023-08-21T14:48:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7402]  
coverage : 2018-03-18 / 2019-03-18  
created : 2023-08-21T14:48:49

## trend of normalized read-noise & temperatures

