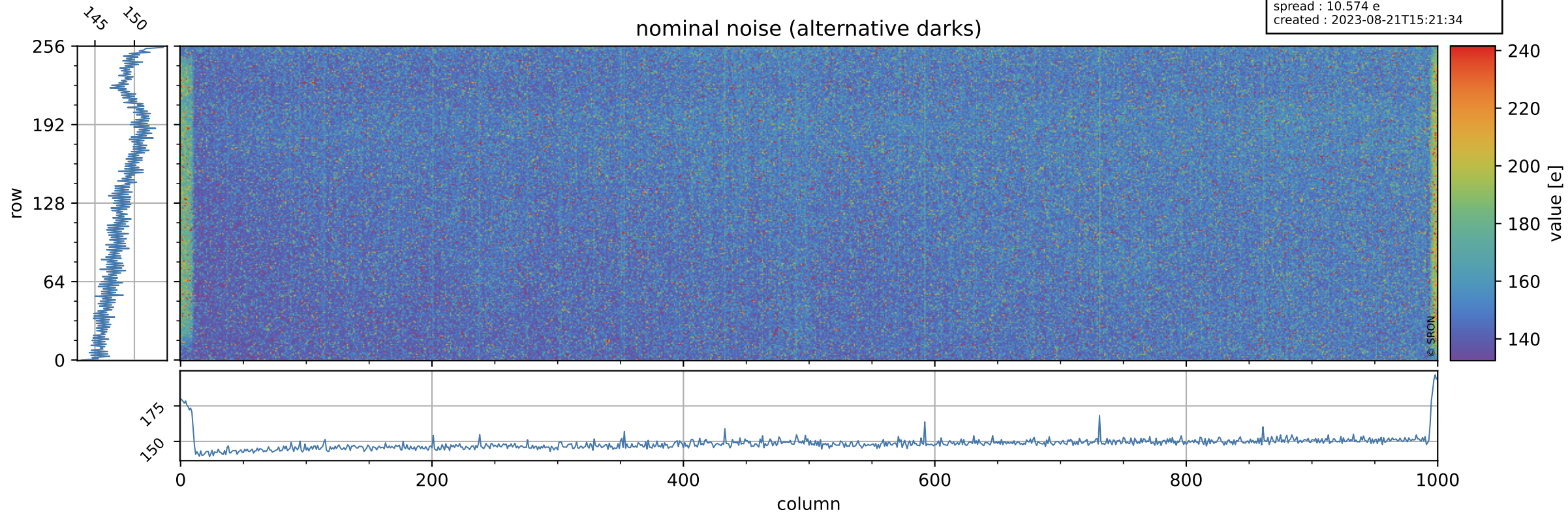


# Tropomi SWIR background noise (swir)

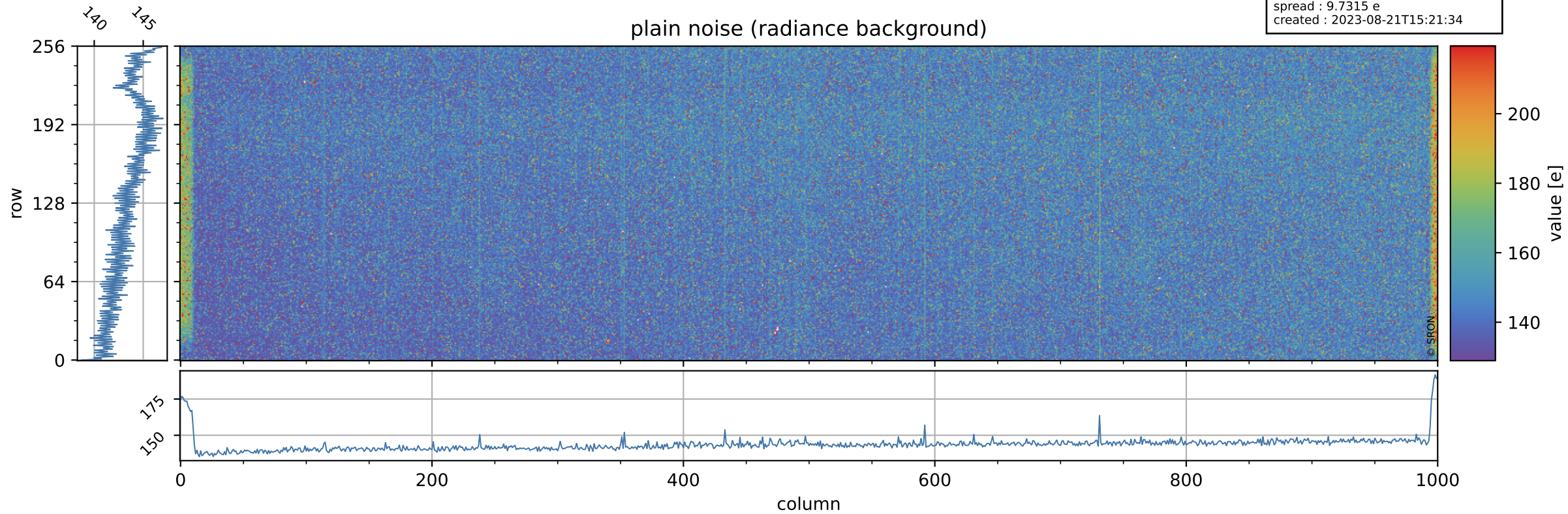
orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
n\_coad, t\_exp : 1, 1.0783  
median : 148.41 e  
spread : 10.574 e  
created : 2023-08-21T15:21:34



# Tropomi SWIR background noise (swir)

orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.35 e  
spread : 9.7315 e  
created : 2023-08-21T15:21:34

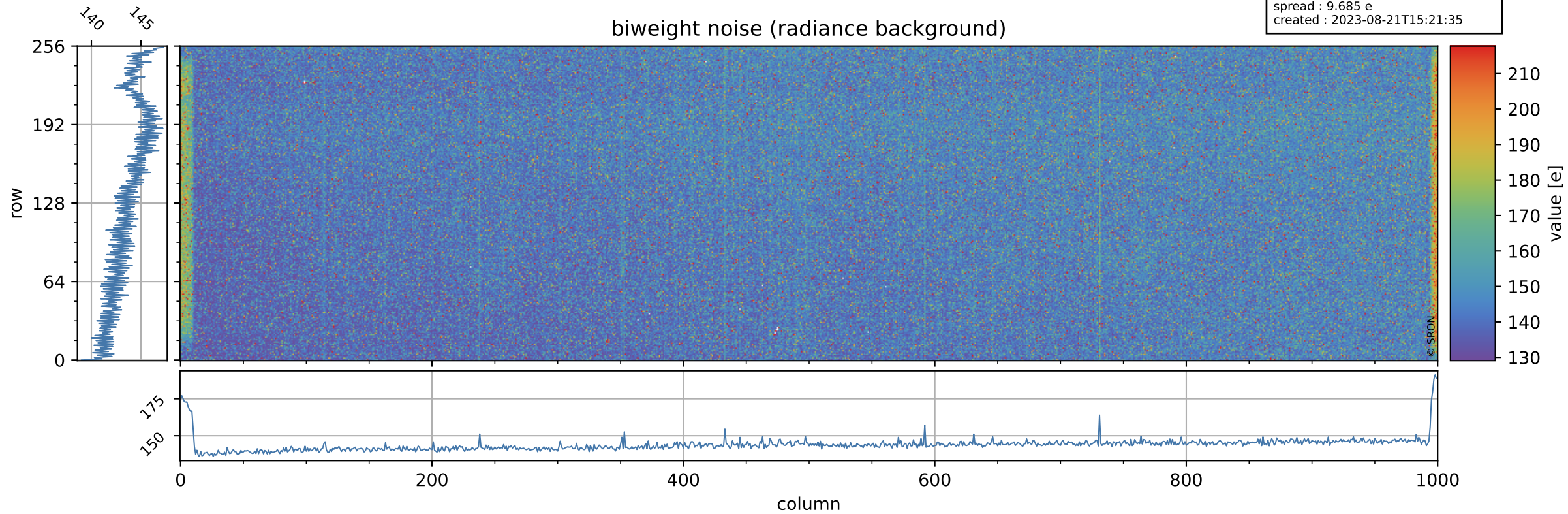
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.685 e  
created : 2023-08-21T15:21:35

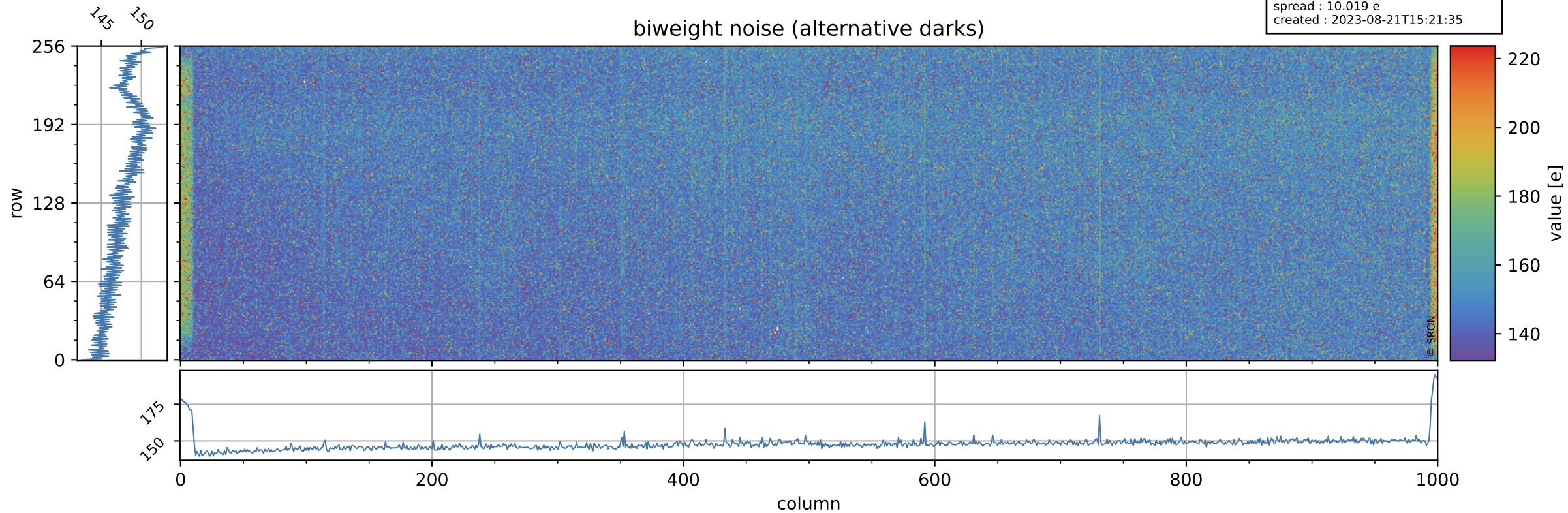
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.019 e  
created : 2023-08-21T15:21:35

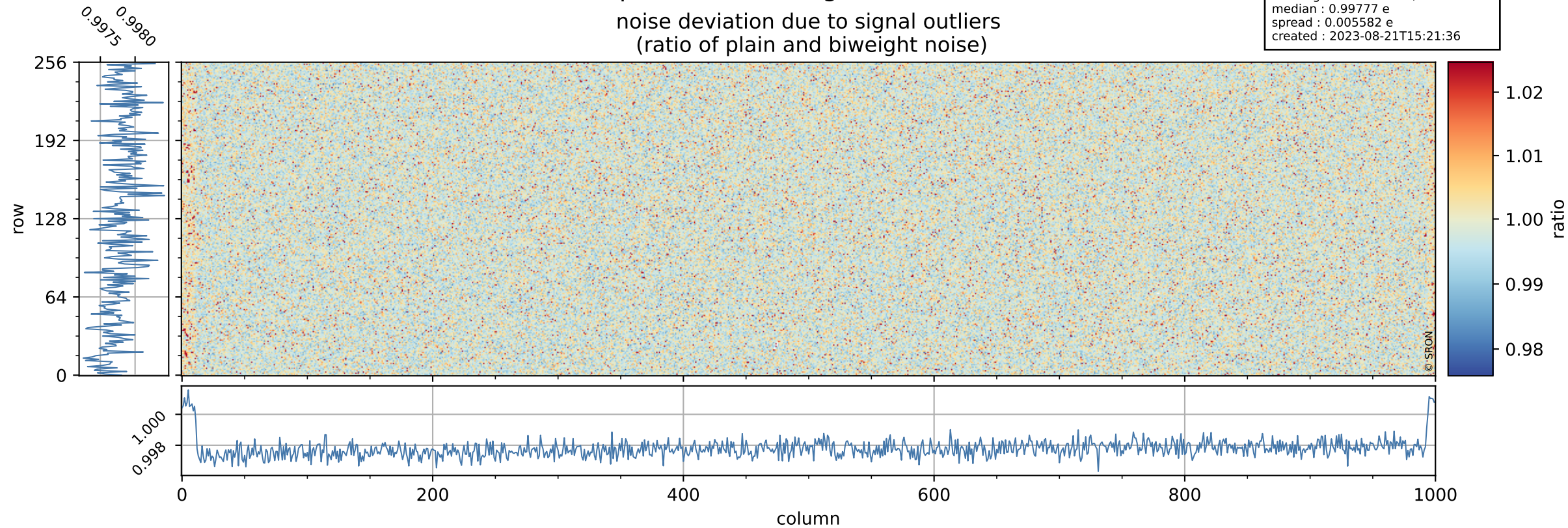
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

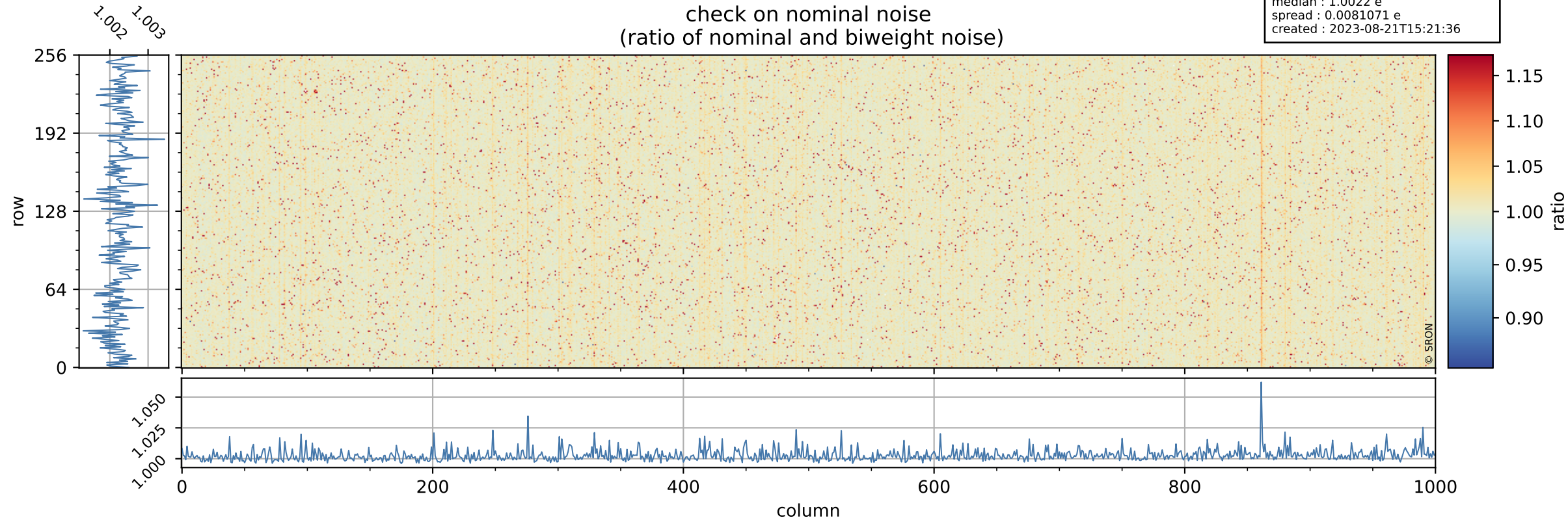
orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
median : 0.99777 e  
spread : 0.005582 e  
created : 2023-08-21T15:21:36



# Tropomi SWIR background noise (swir)

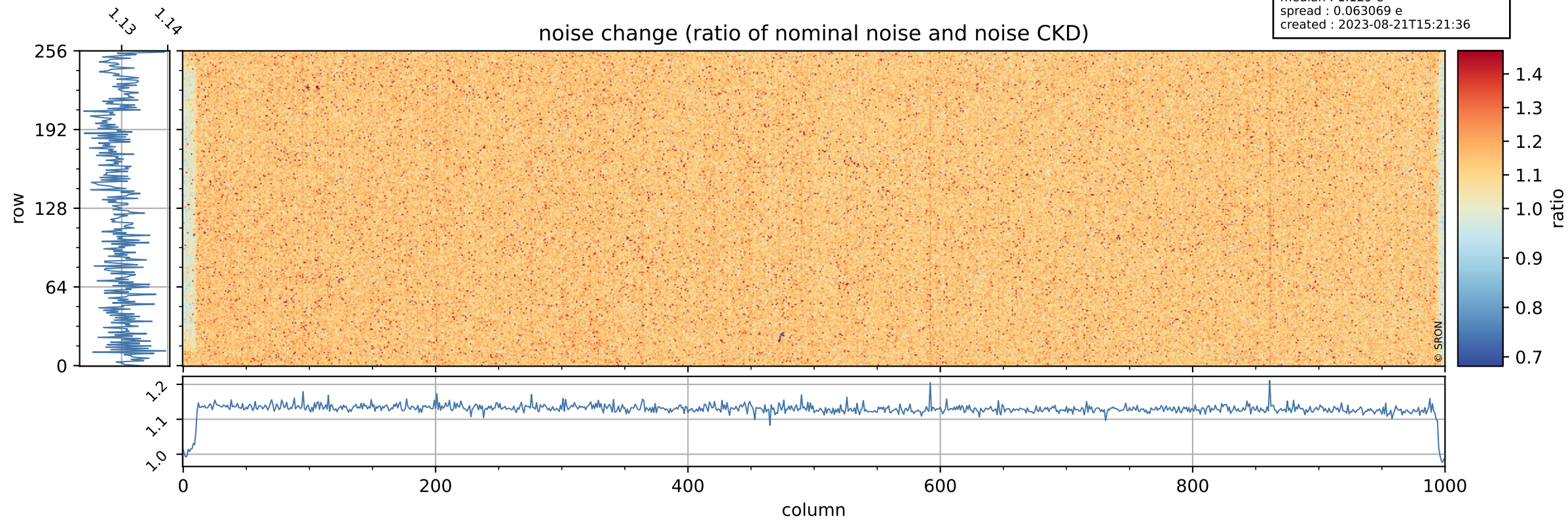
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
median : 1.0022 e  
spread : 0.0081071 e  
created : 2023-08-21T15:21:36



# Tropomi SWIR background noise (swir)

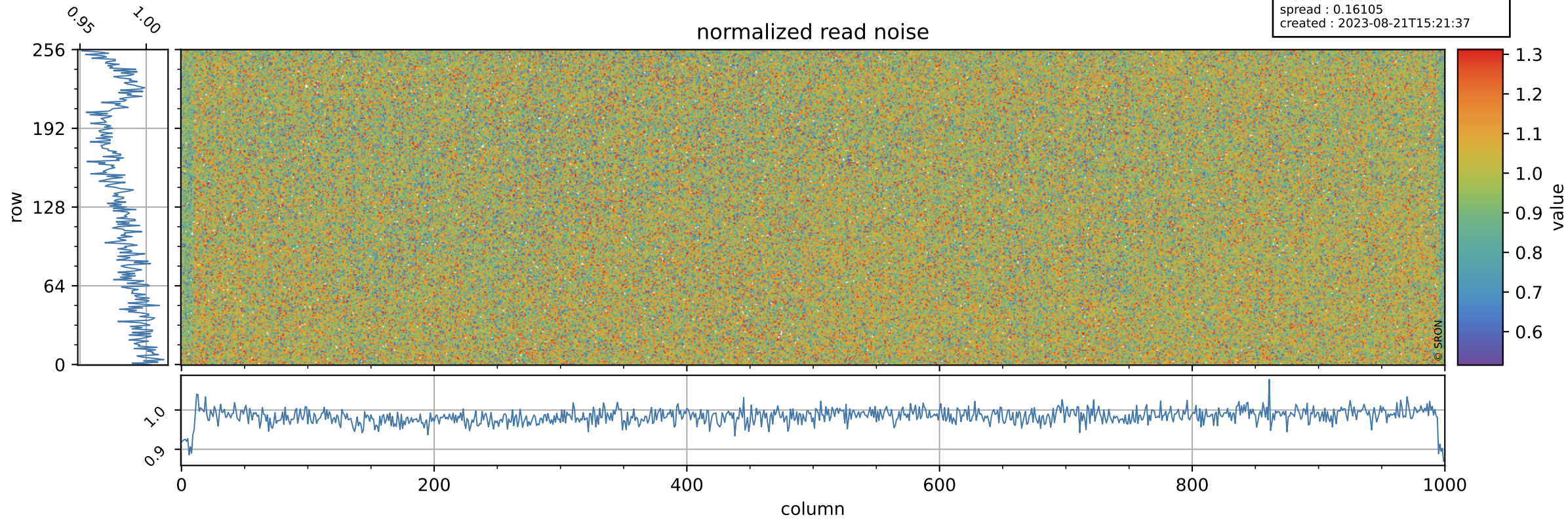
orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
median : 1.129 e  
spread : 0.063069 e  
created : 2023-08-21T15:21:36



# Tropomi SWIR background noise (swir)

orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
median : 0.98191  
spread : 0.16105  
created : 2023-08-21T15:21:37

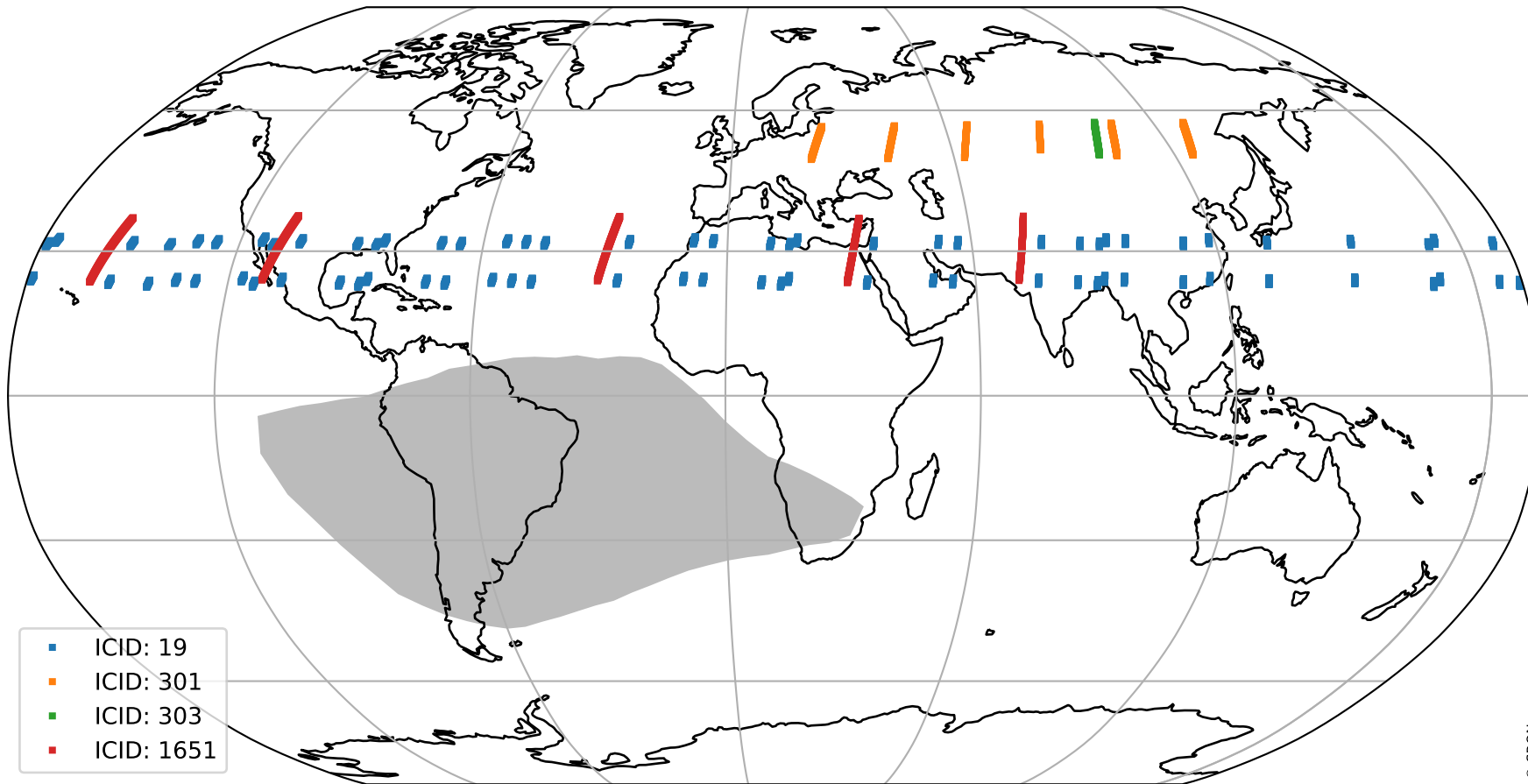
normalized read noise





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

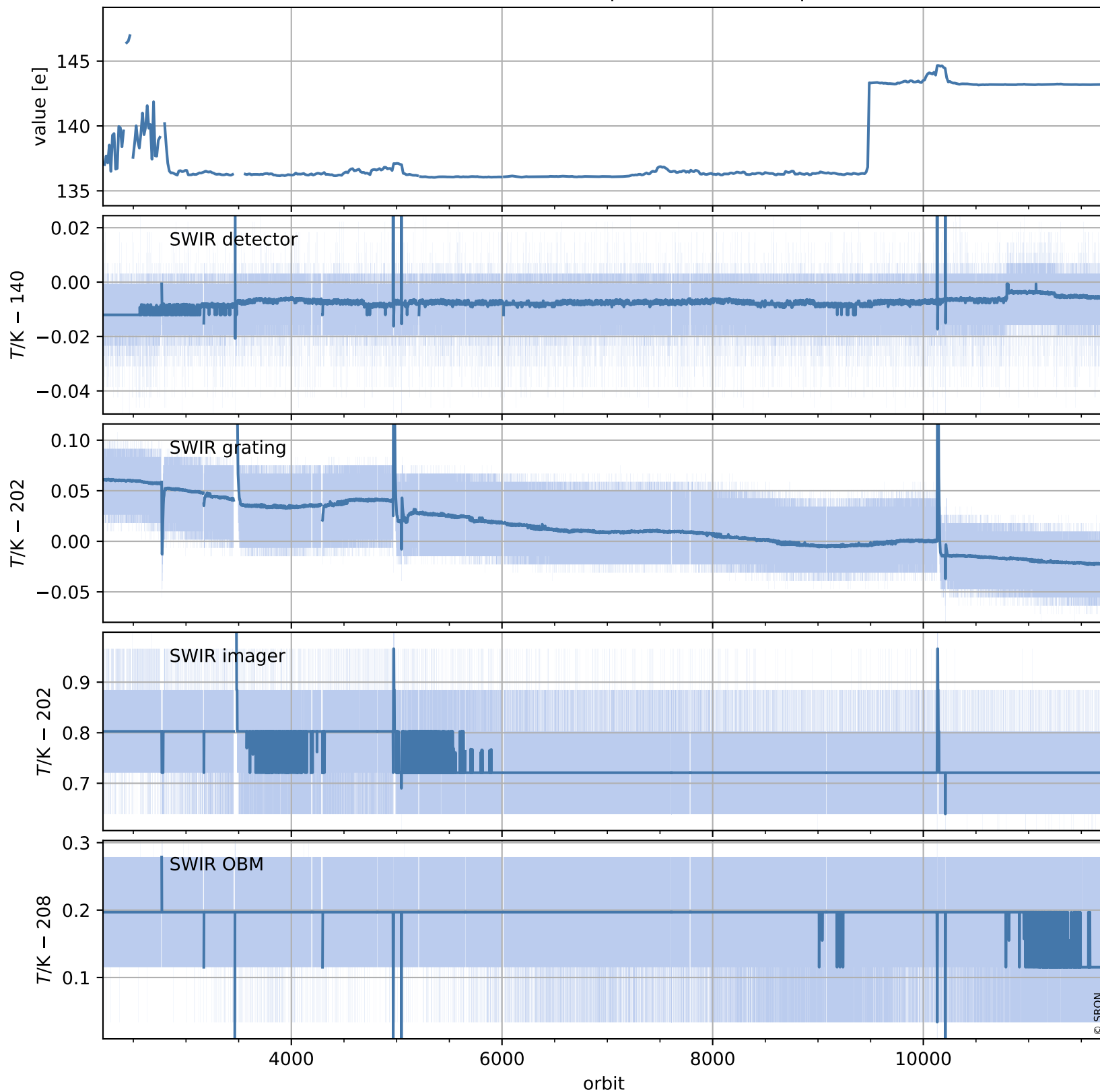
orbits : 12 in [11647, 11722]  
coverage : 2020-01-11 / 2020-01-17  
created : 2023-08-21T15:21:37



# Tropomi SWIR background noise (swir)

orbits : [2212, 11722]  
coverage : 2018-03-18 / 2020-01-17  
created : 2023-08-21T15:21:38

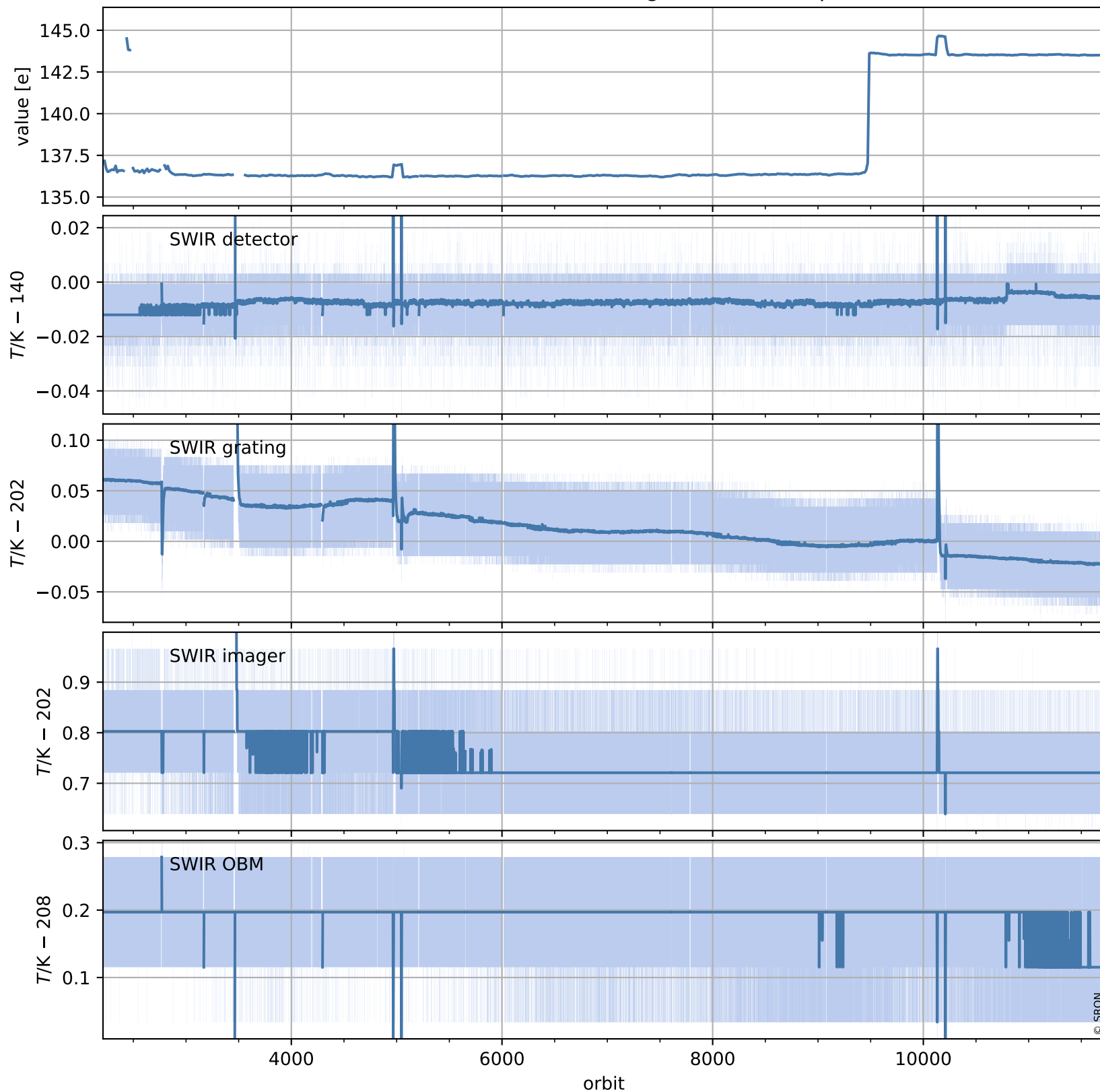
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11722]  
coverage : 2018-03-18 / 2020-01-17  
created : 2023-08-21T15:21:38

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11722]  
coverage : 2018-03-18 / 2020-01-17  
created : 2023-08-21T15:21:39

## trend of normalized read-noise & temperatures

