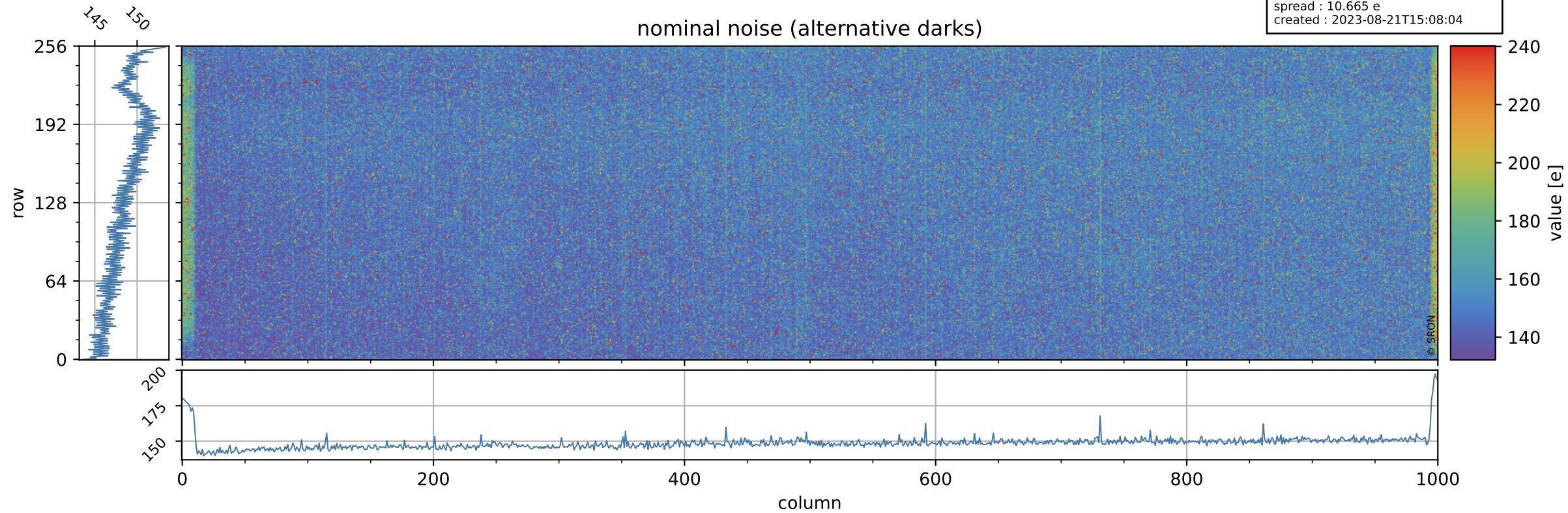


# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.665 e  
created : 2023-08-21T15:08:04

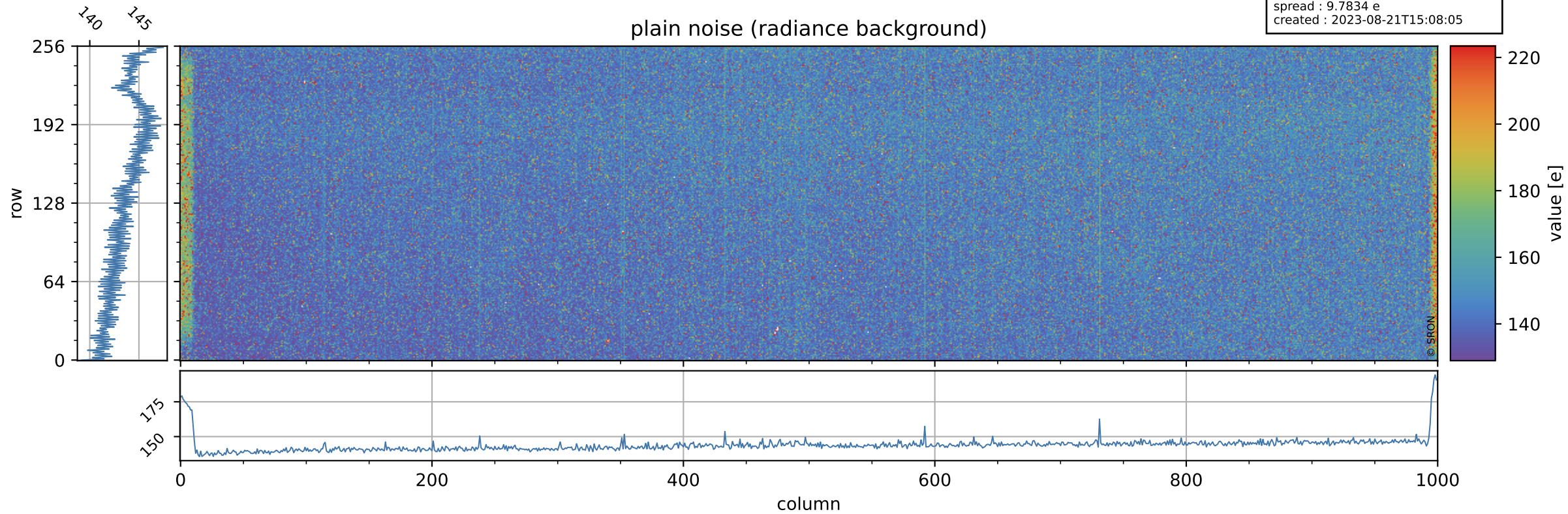
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.56 e  
spread : 9.7834 e  
created : 2023-08-21T15:08:05

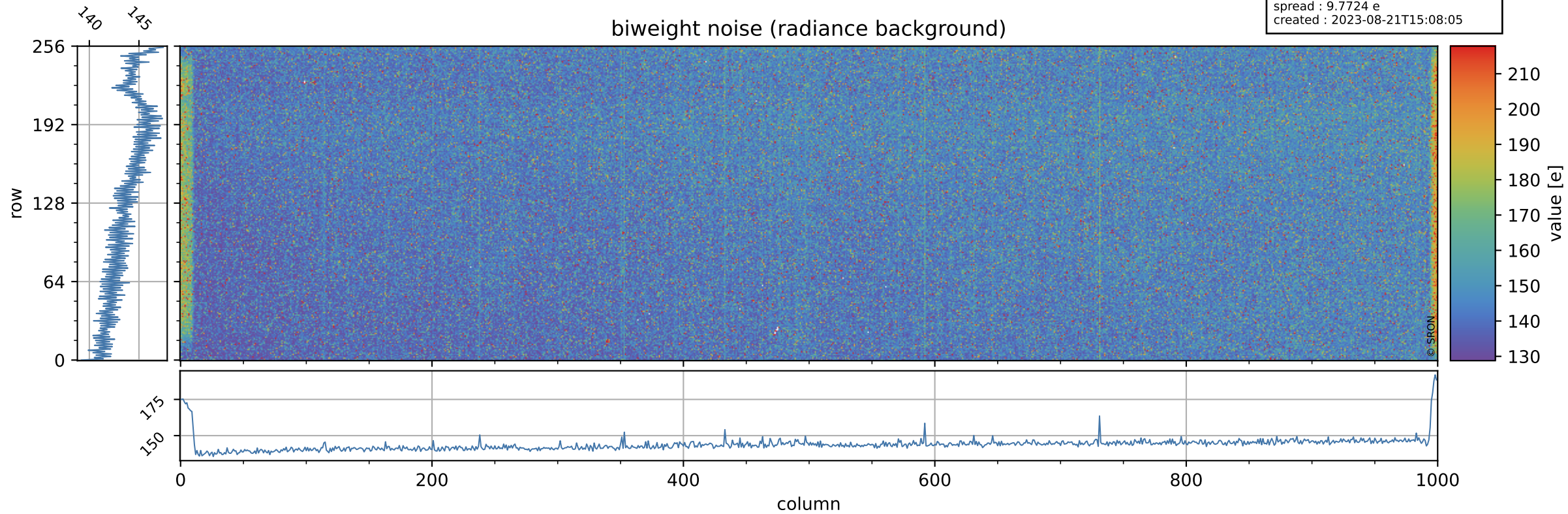
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.64 e  
spread : 9.7724 e  
created : 2023-08-21T15:08:05

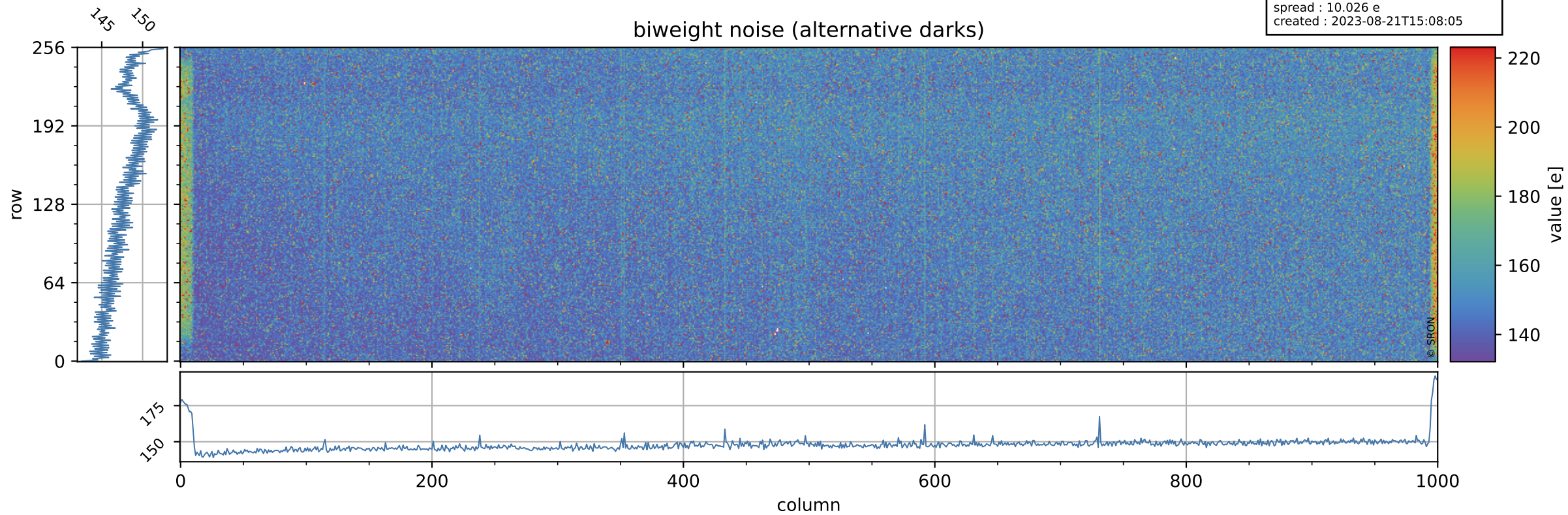
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 10.026 e  
created : 2023-08-21T15:08:05

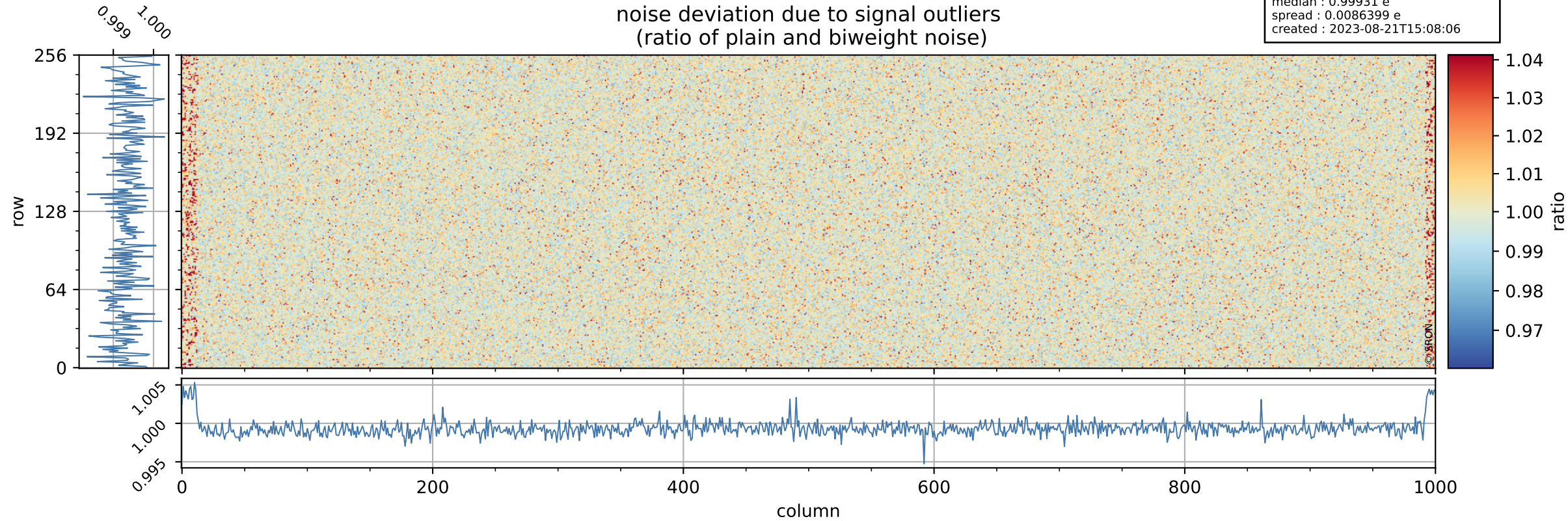
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

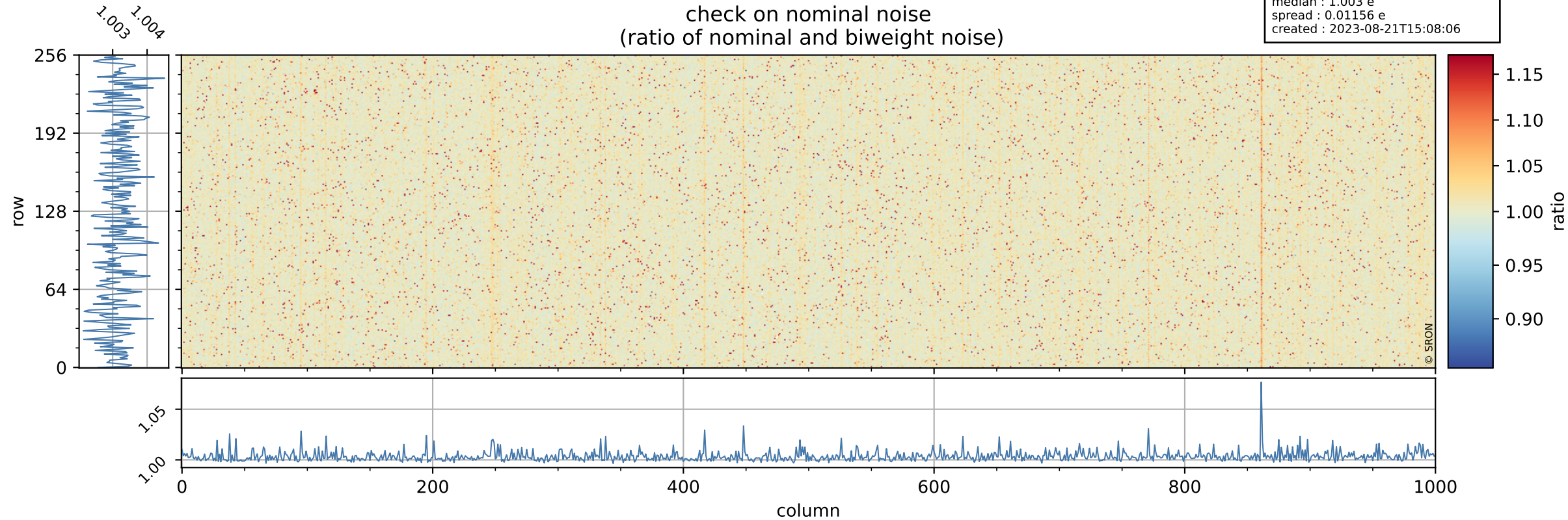
orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
median : 0.99931 e  
spread : 0.0086399 e  
created : 2023-08-21T15:08:06



# Tropomi SWIR background noise (swir)

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

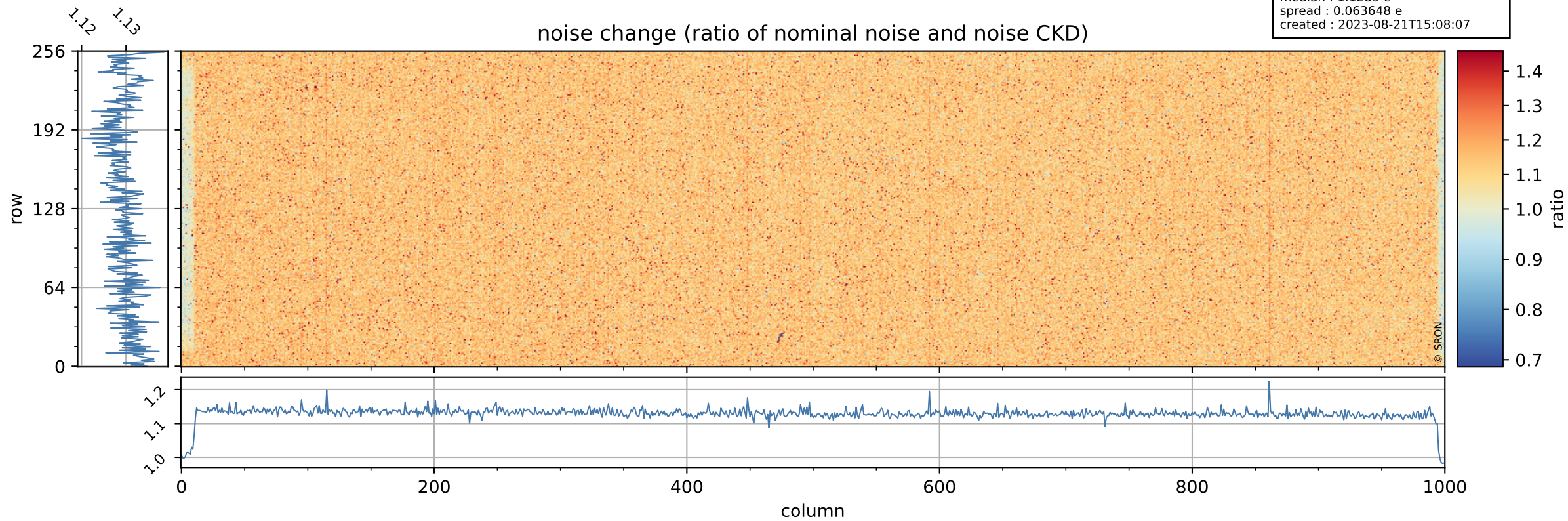
orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
median : 1.003 e  
spread : 0.01156 e  
created : 2023-08-21T15:08:06



# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
median : 1.1289 e  
spread : 0.063648 e  
created : 2023-08-21T15:08:07

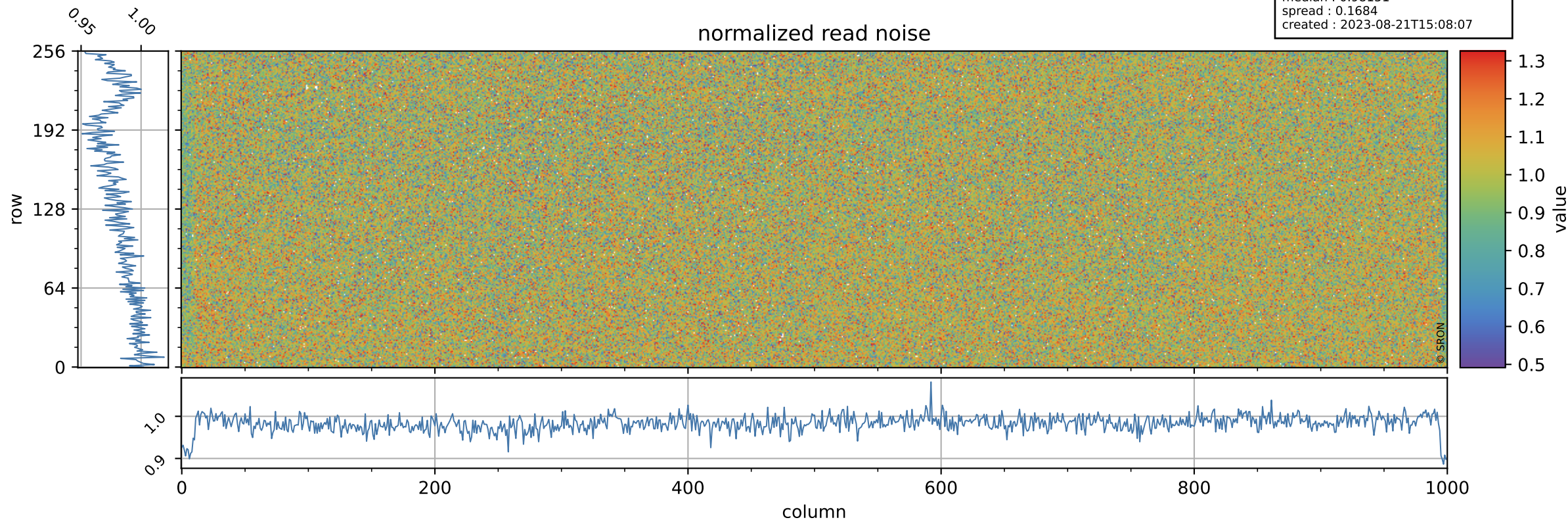
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
median : 0.98151  
spread : 0.1684  
created : 2023-08-21T15:08:07

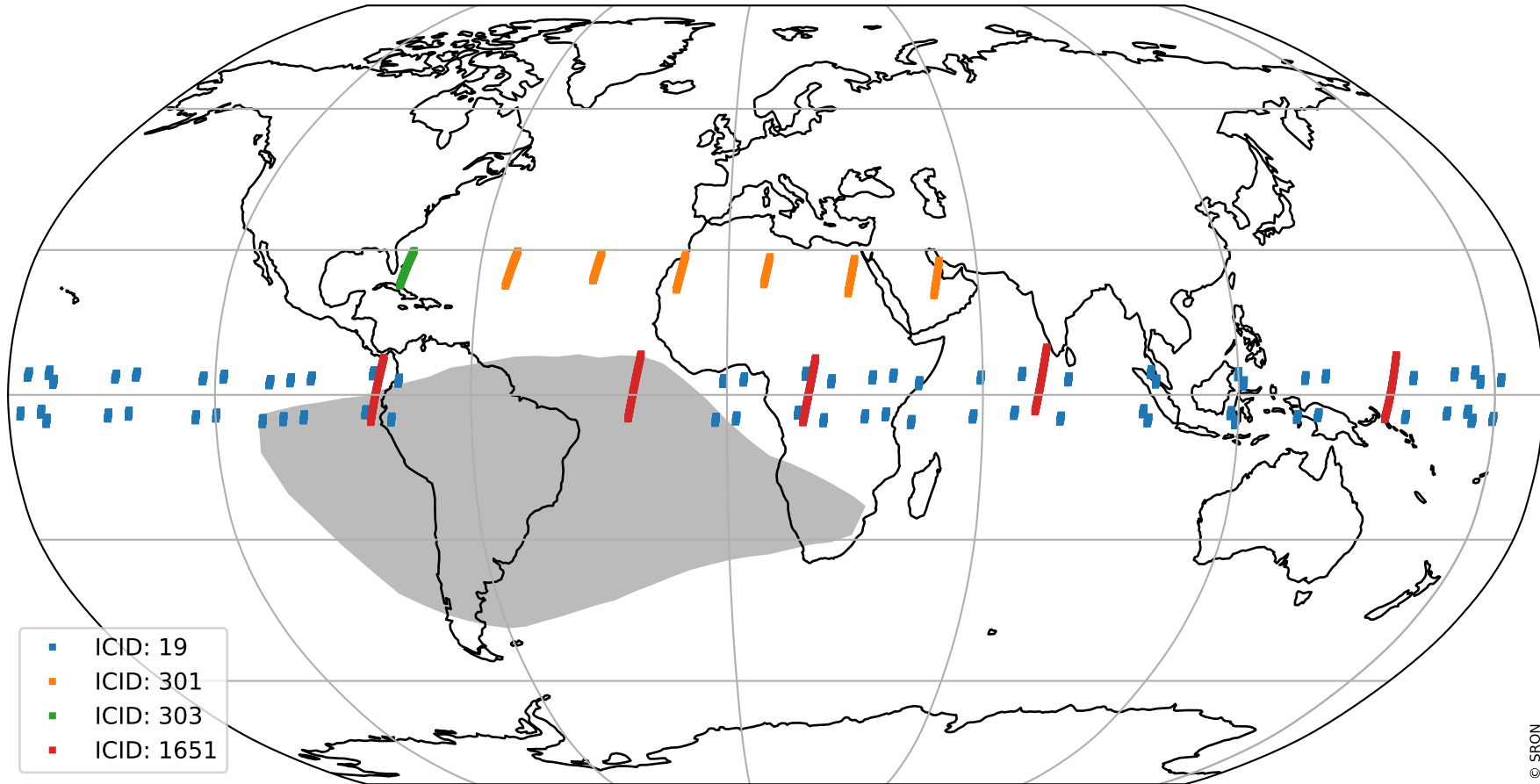
normalized read noise





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

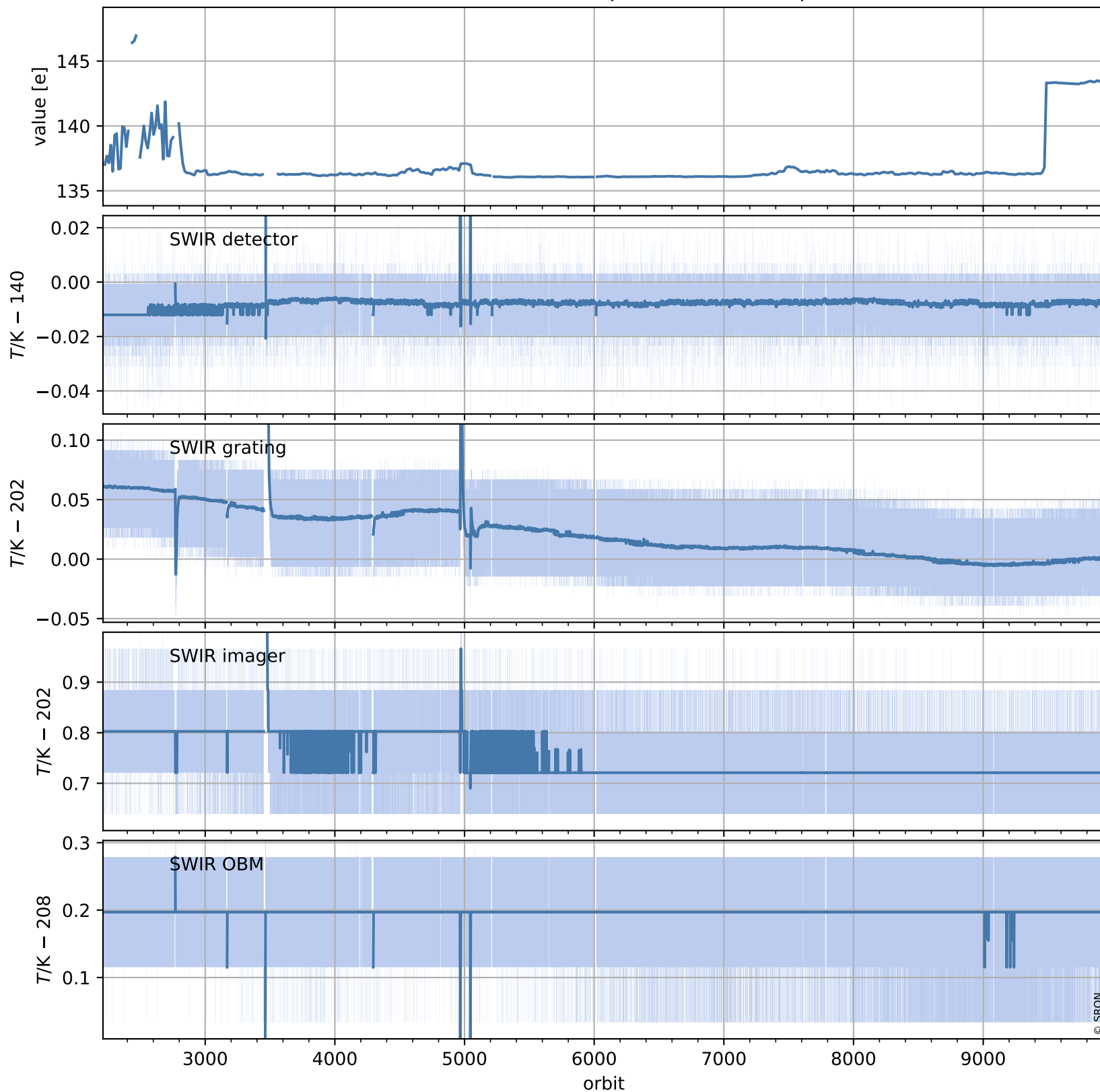
orbits : 12 in [9847, 9937]  
coverage : 2019-09-07 / 2019-09-13  
created : 2023-08-21T15:08:08



# Tropomi SWIR background noise (swir)

orbits : [2212, 9937]  
coverage : 2018-03-18 / 2019-09-13  
created : 2023-08-21T15:08:08

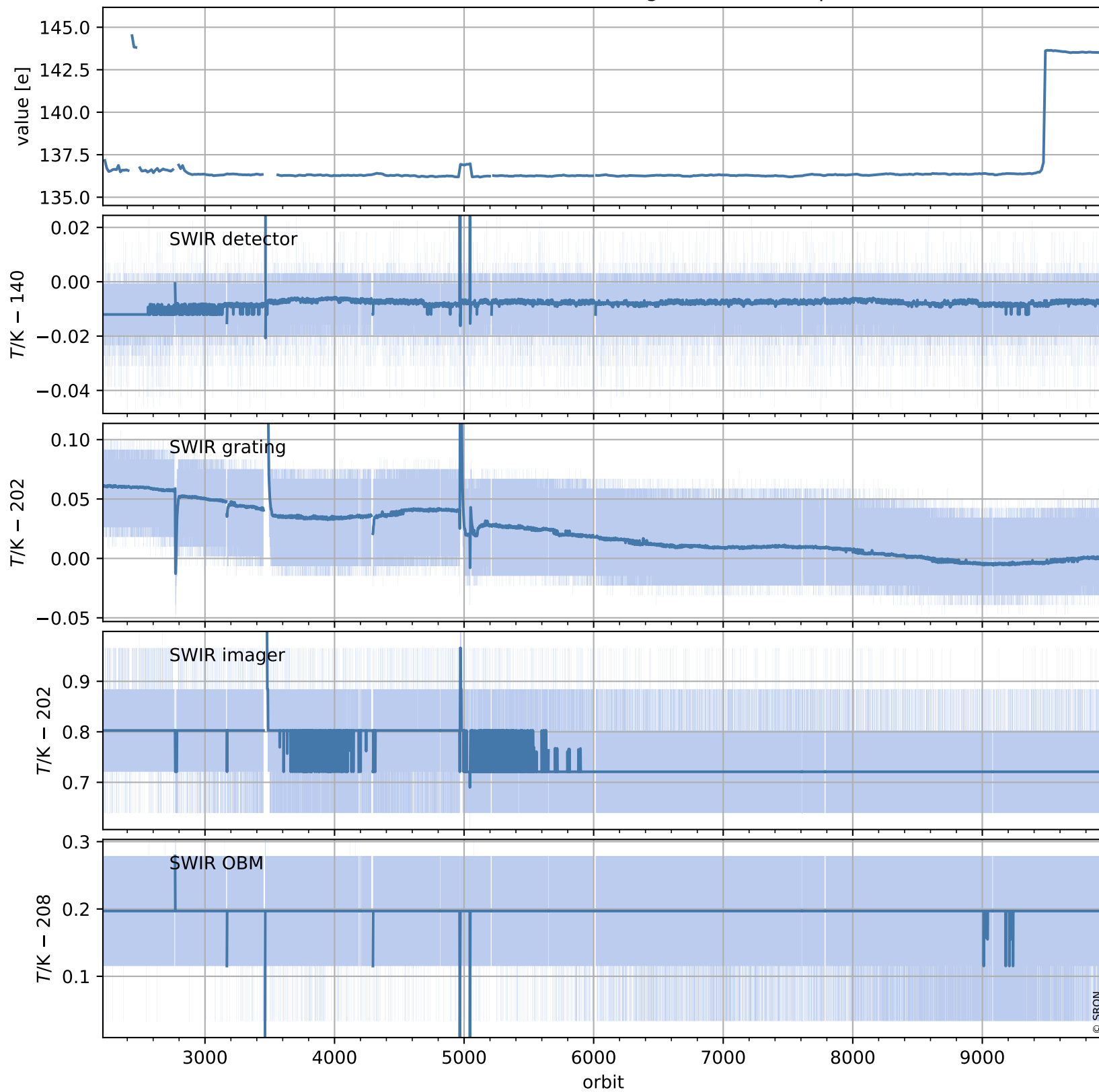
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9937]  
coverage : 2018-03-18 / 2019-09-13  
created : 2023-08-21T15:08:09

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9937]  
coverage : 2018-03-18 / 2019-09-13  
created : 2023-08-21T15:08:10

## trend of normalized read-noise & temperatures

