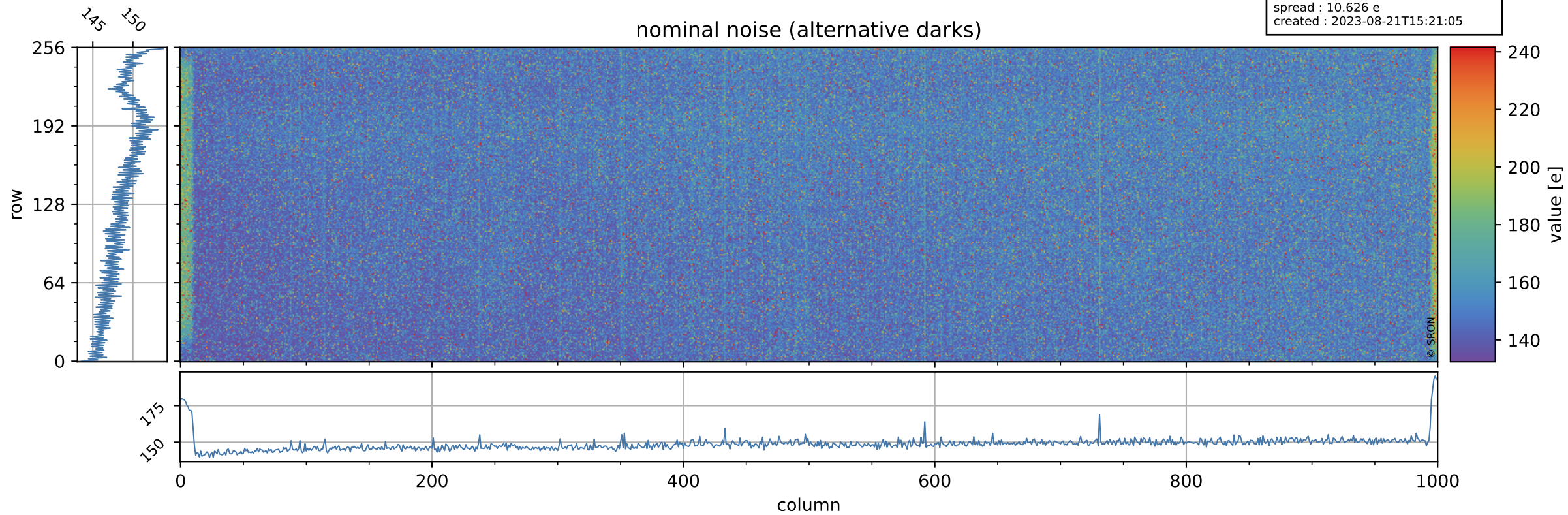


# Tropomi SWIR background noise (swir)

orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.626 e  
created : 2023-08-21T15:21:05

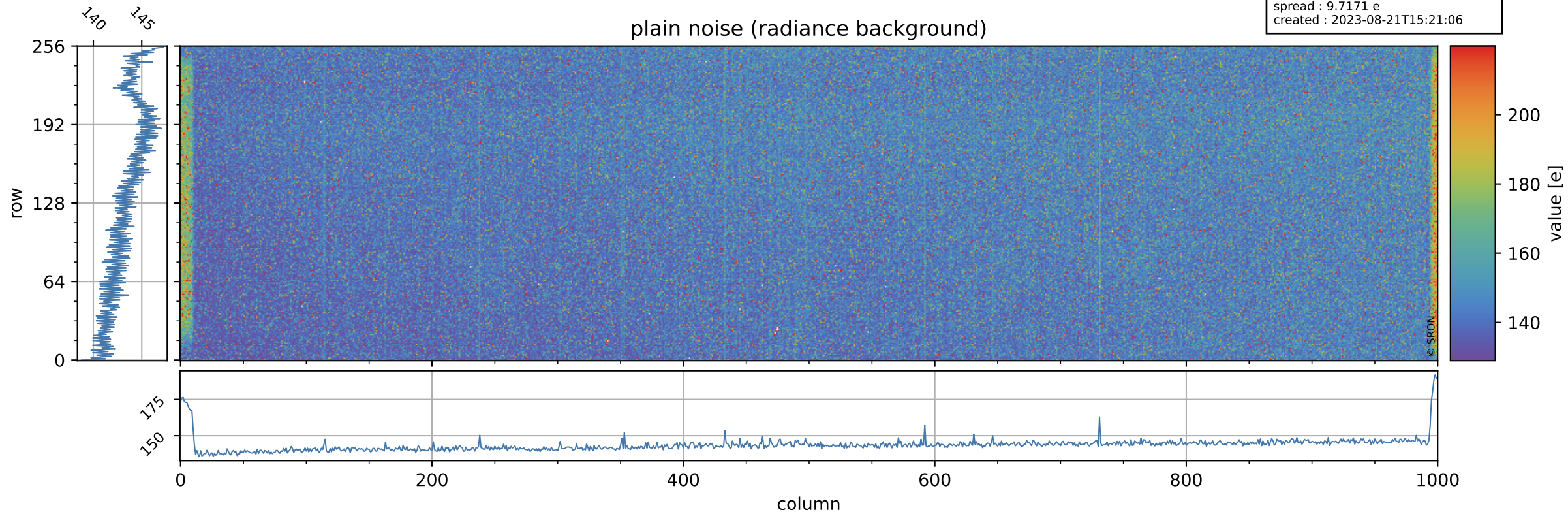
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.35 e  
spread : 9.7171 e  
created : 2023-08-21T15:21:06

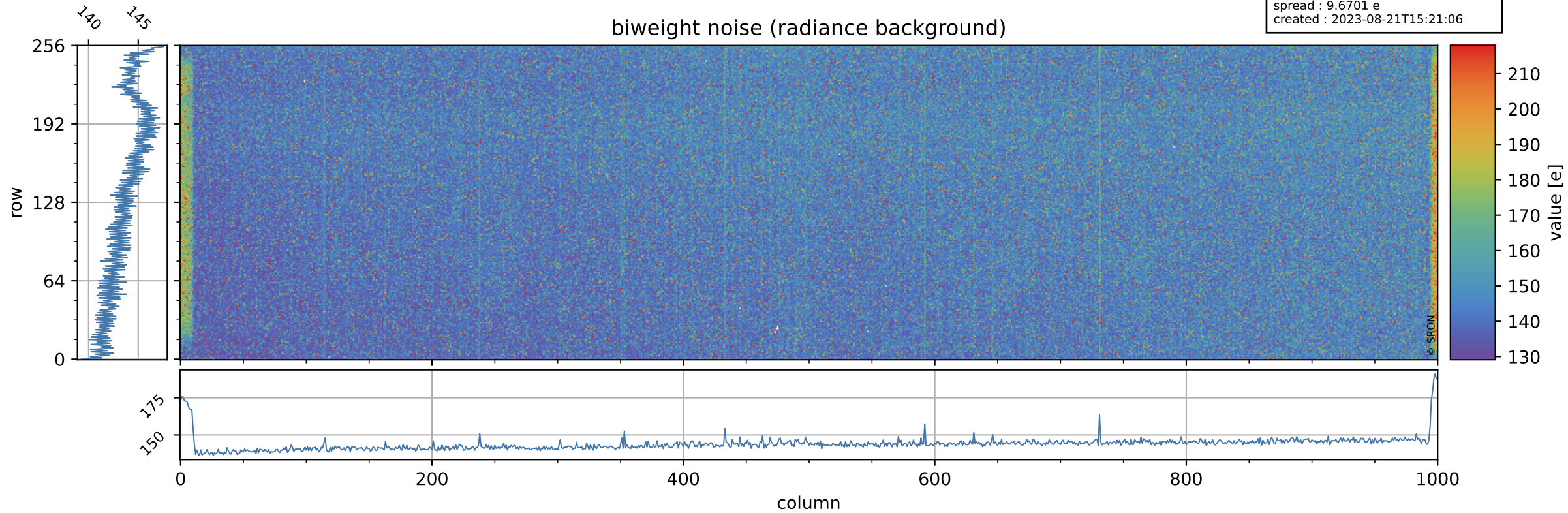
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.66 e  
spread : 9.6701 e  
created : 2023-08-21T15:21:06

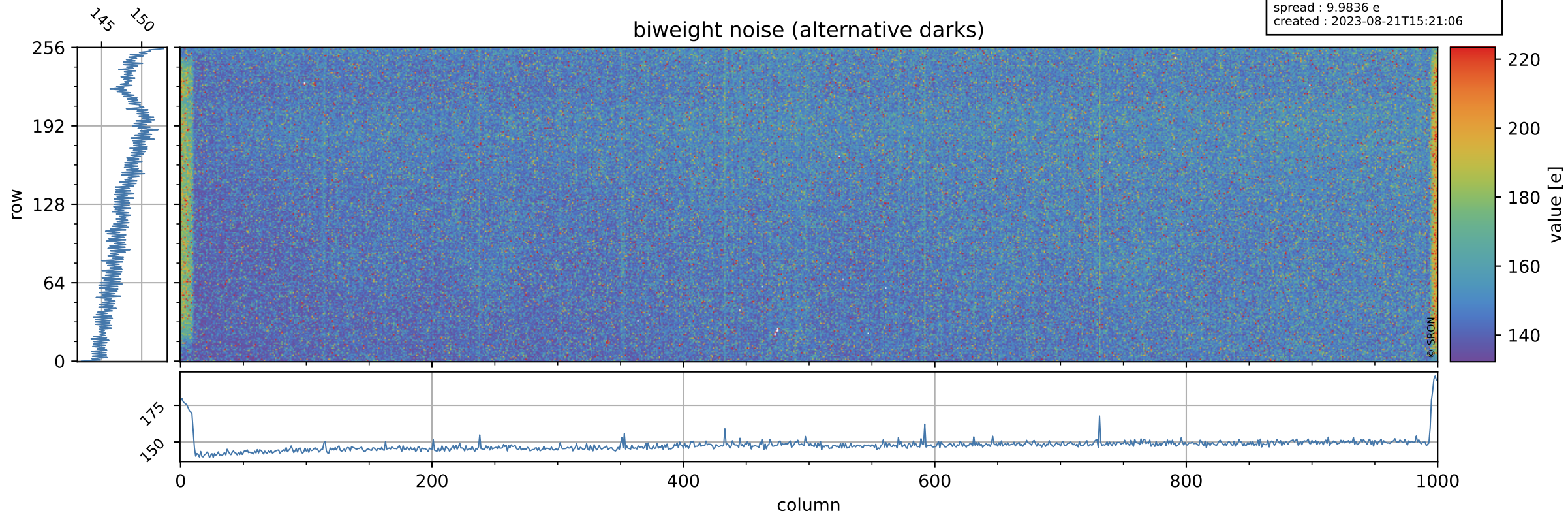
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 9.9836 e  
created : 2023-08-21T15:21:06

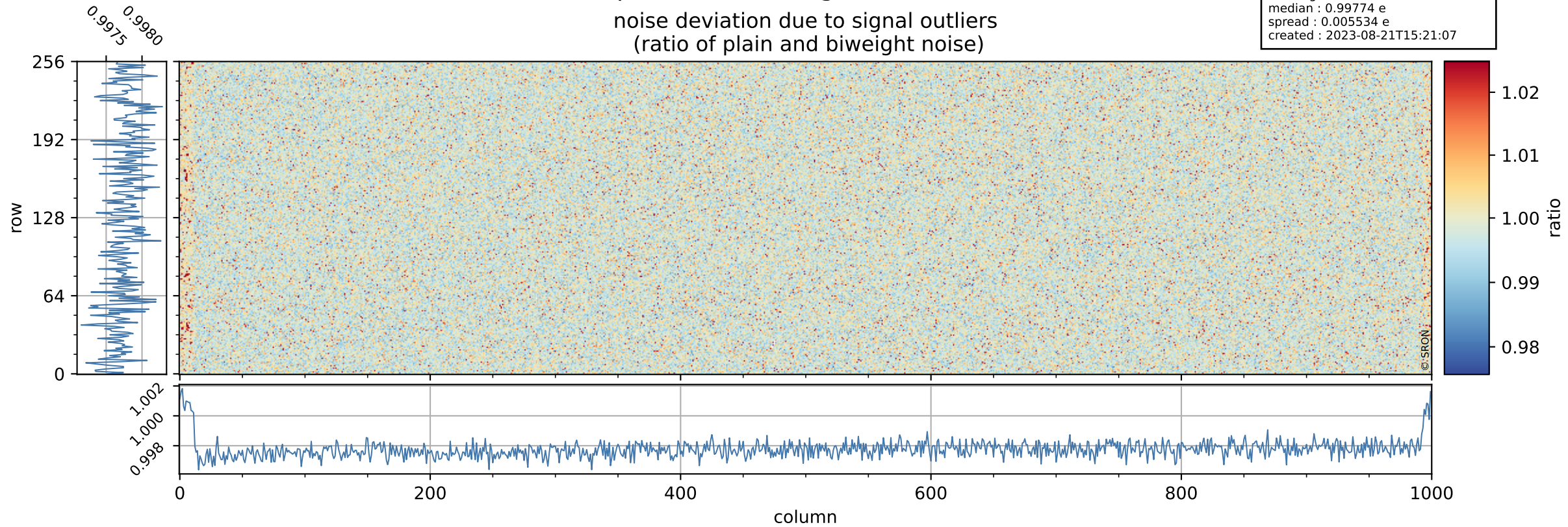
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

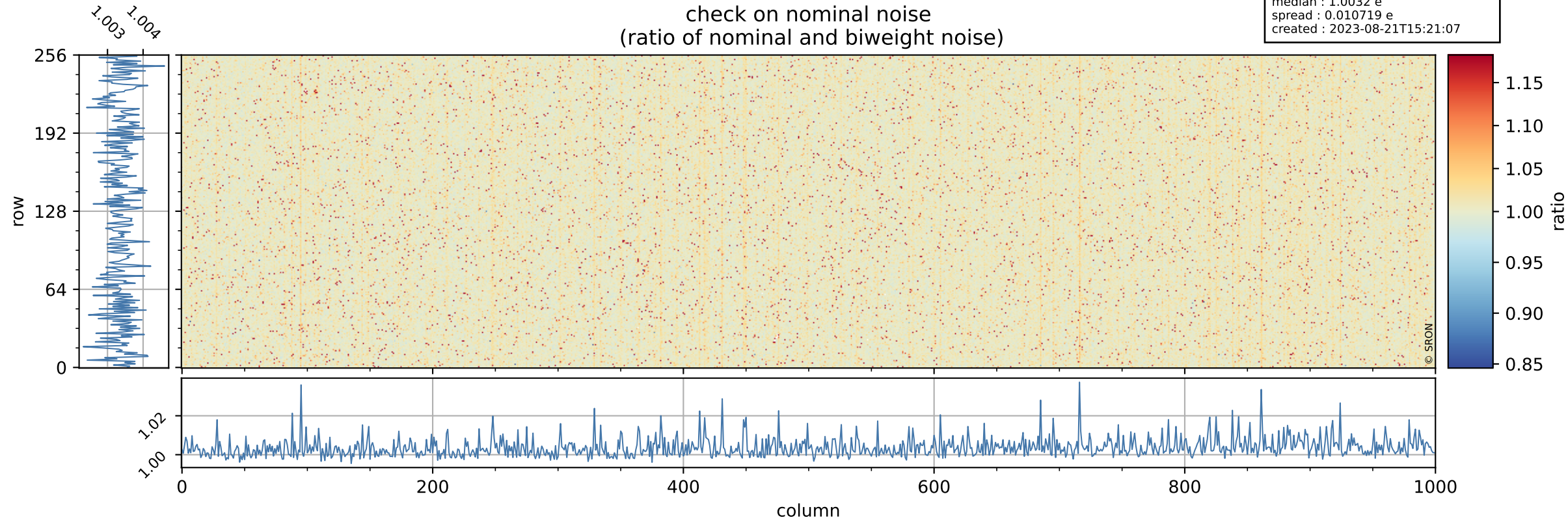
orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
median : 0.99774 e  
spread : 0.005534 e  
created : 2023-08-21T15:21:07



# Tropomi SWIR background noise (swir)

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

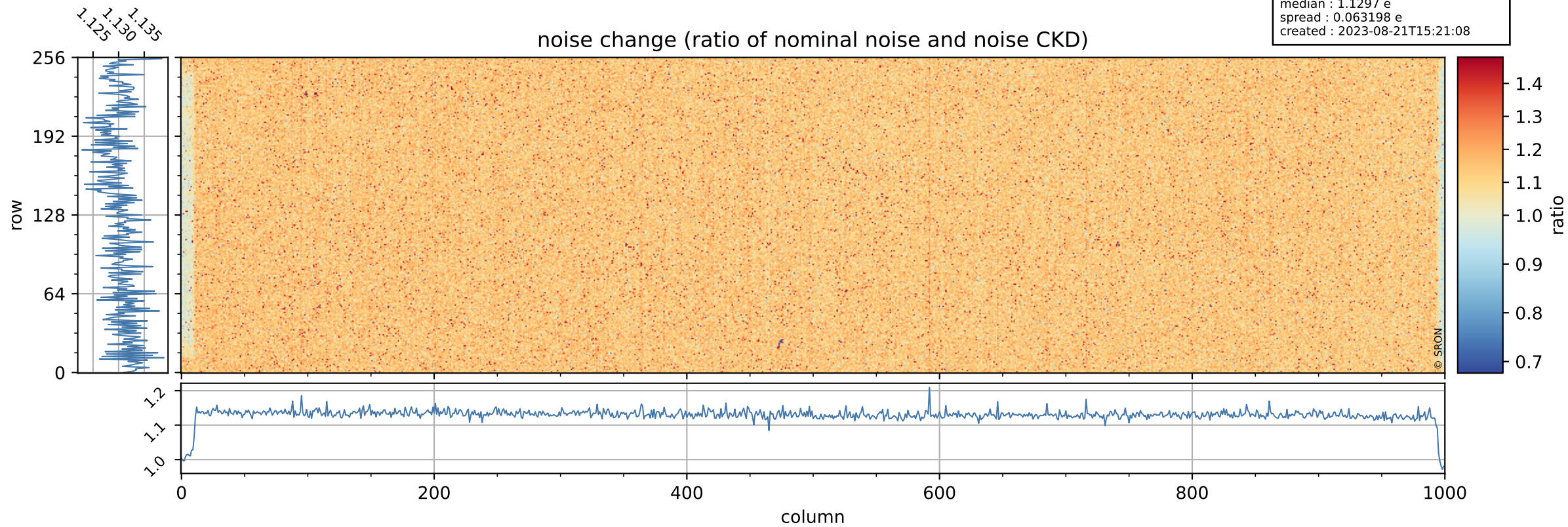
orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
median : 1.0032 e  
spread : 0.010719 e  
created : 2023-08-21T15:21:07



# Tropomi SWIR background noise (swir)

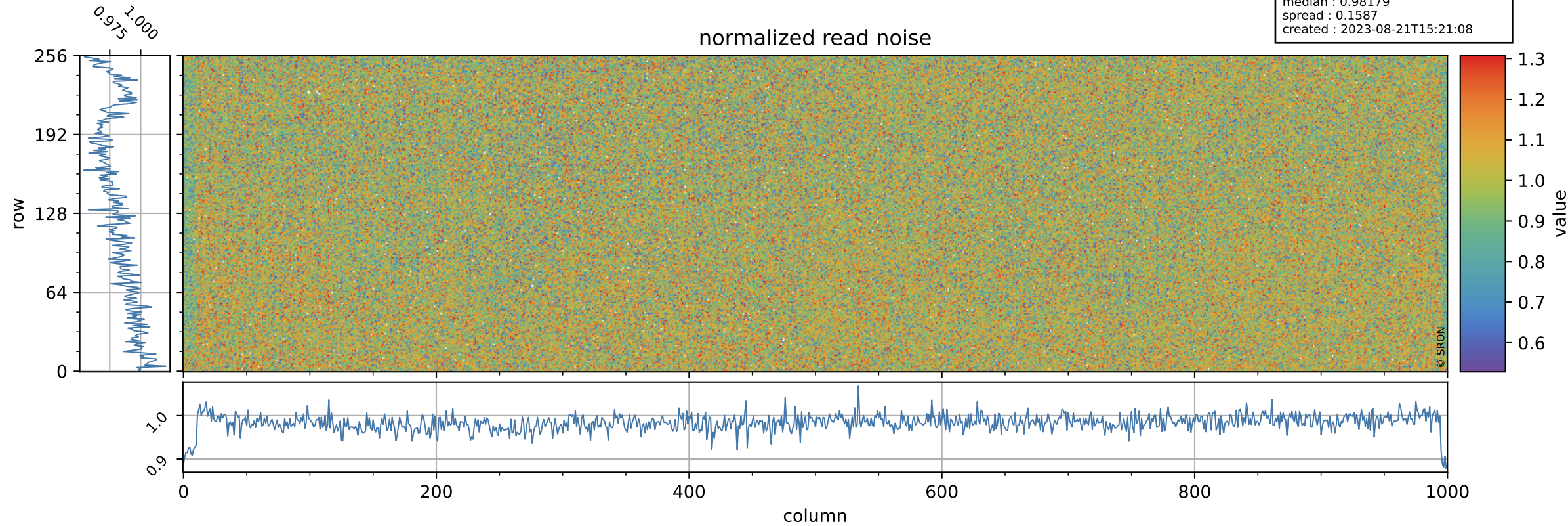
orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
median : 1.1297 e  
spread : 0.063198 e  
created : 2023-08-21T15:21:08

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

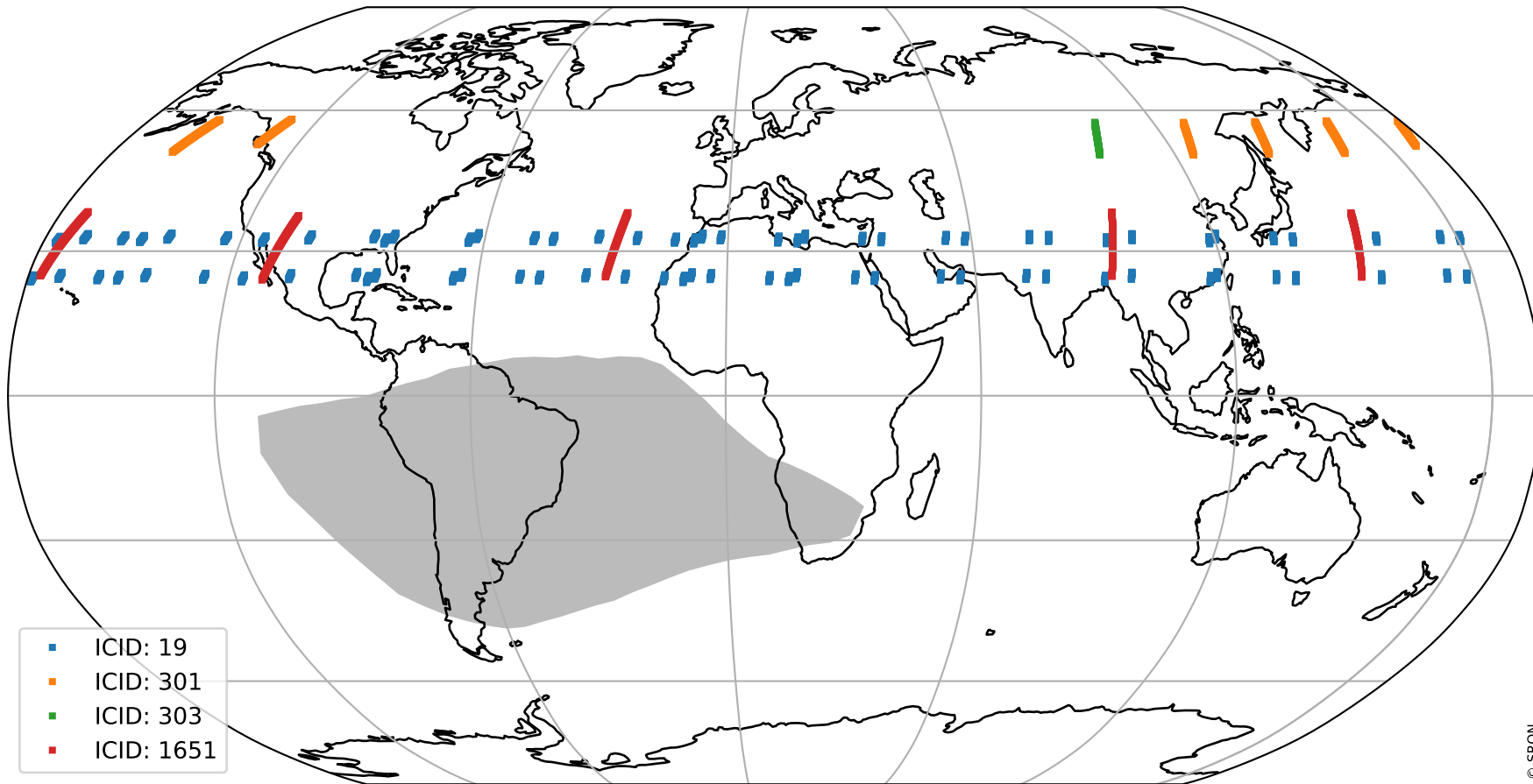
orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
median : 0.98179  
spread : 0.1587  
created : 2023-08-21T15:21:08





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

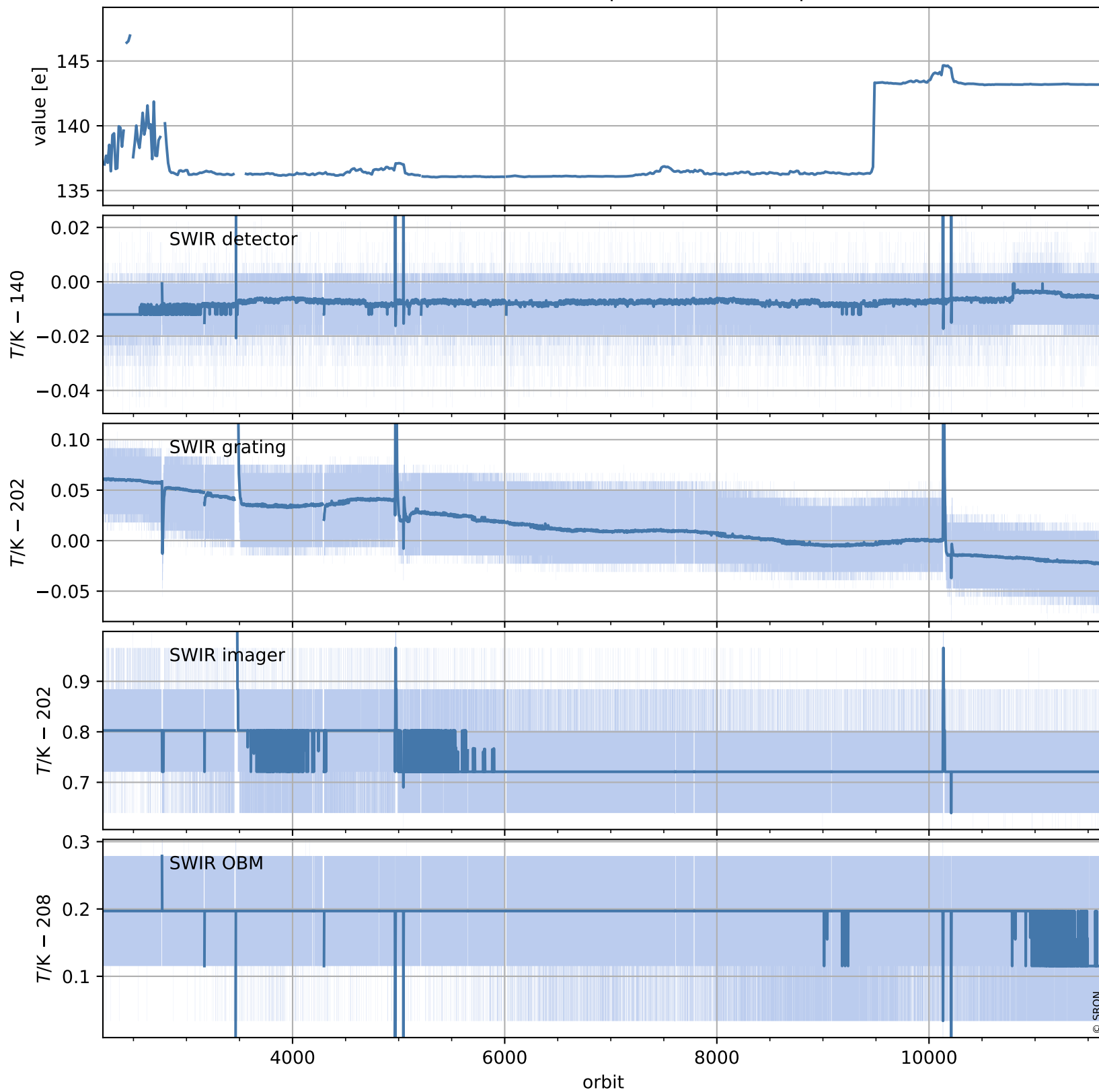
orbits : 12 in [11557, 11647]  
coverage : 2020-01-06 / 2020-01-12  
created : 2023-08-21T15:21:09



# Tropomi SWIR background noise (swir)

orbits : [2212, 11647]  
coverage : 2018-03-18 / 2020-01-12  
created : 2023-08-21T15:21:09

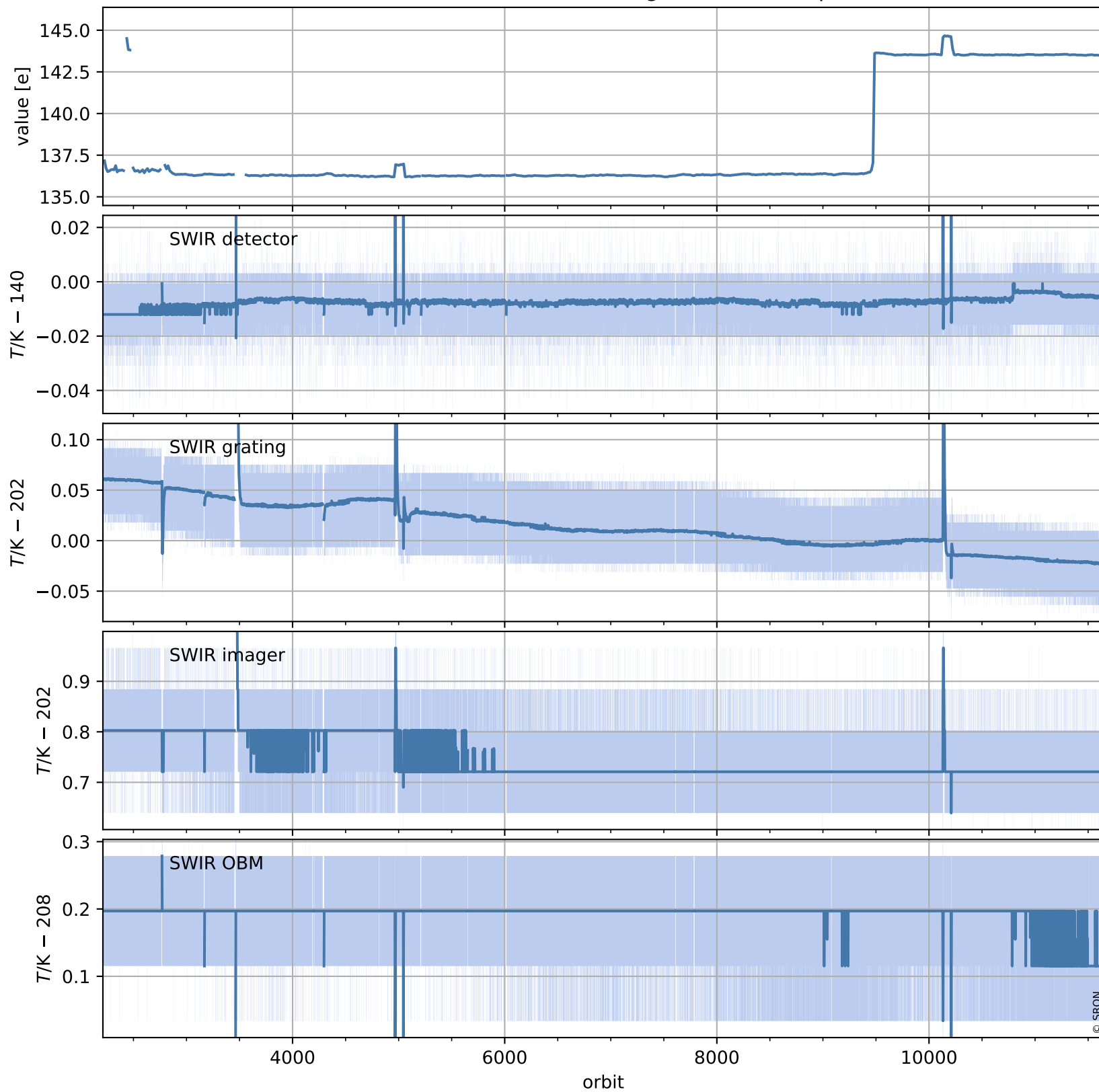
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11647]  
coverage : 2018-03-18 / 2020-01-12  
created : 2023-08-21T15:21:10

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11647]  
coverage : 2018-03-18 / 2020-01-12  
created : 2023-08-21T15:21:10

## trend of normalized read-noise & temperatures

