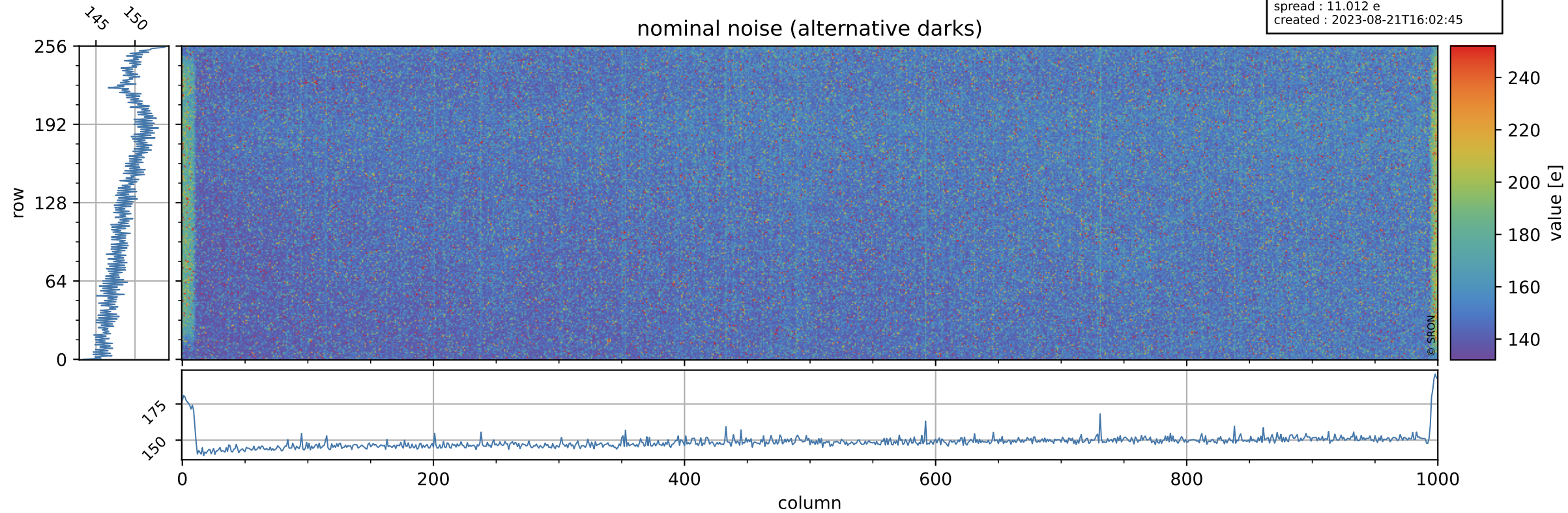


# Tropomi SWIR background noise (swir)

orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.64 e  
spread : 11.012 e  
created : 2023-08-21T16:02:45

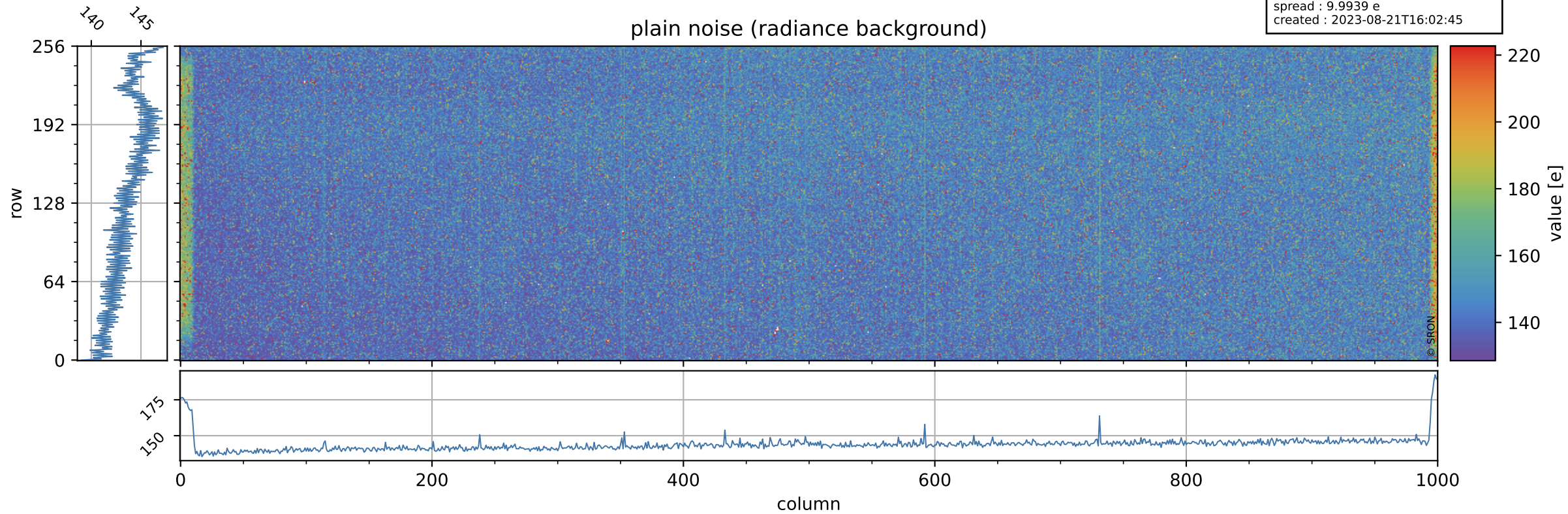
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.55 e  
spread : 9.9939 e  
created : 2023-08-21T16:02:45

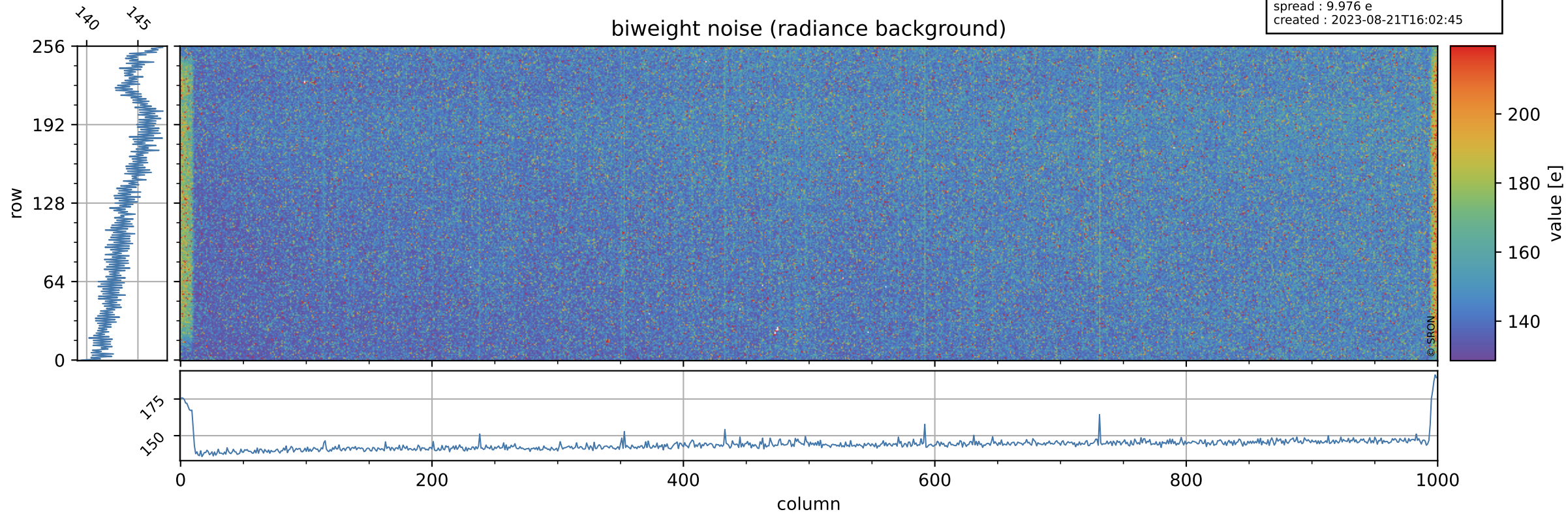
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

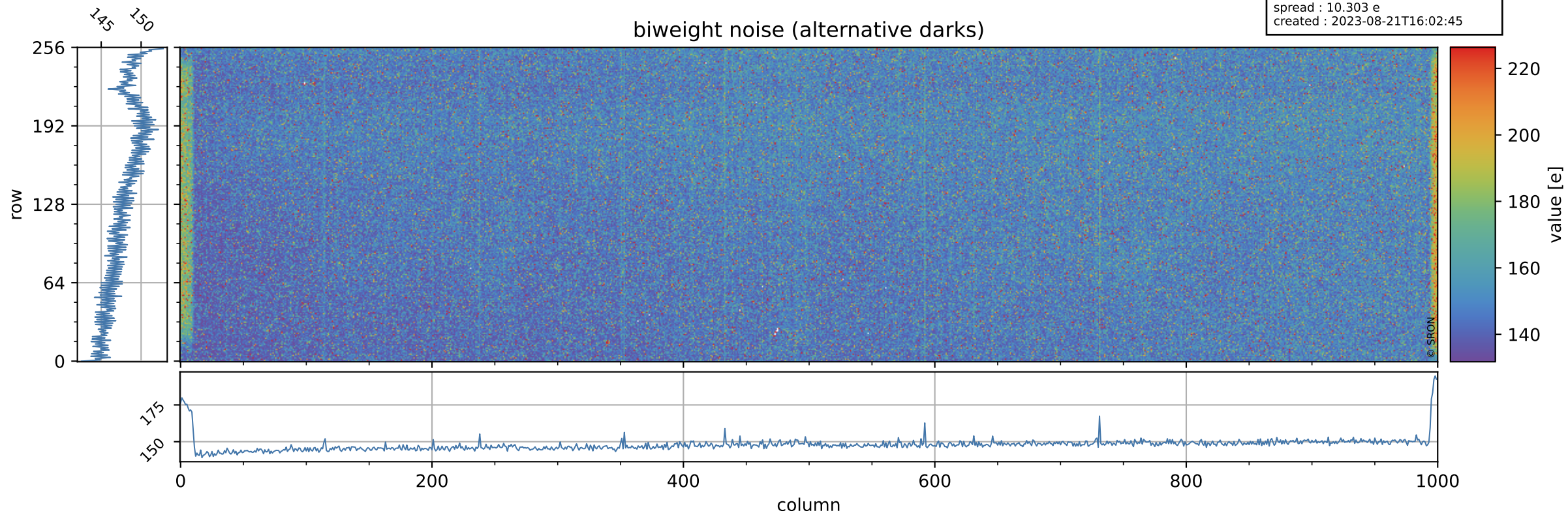
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.976 e  
created : 2023-08-21T16:02:45

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

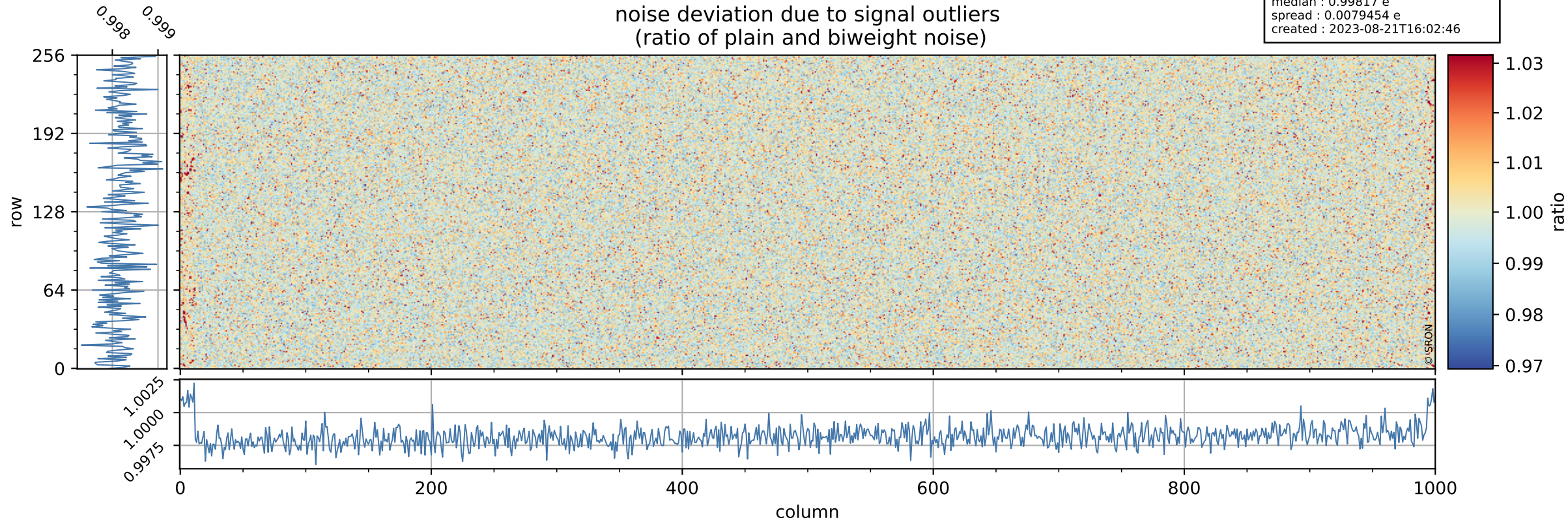
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.303 e  
created : 2023-08-21T16:02:45



# Tropomi SWIR background noise (swir)

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

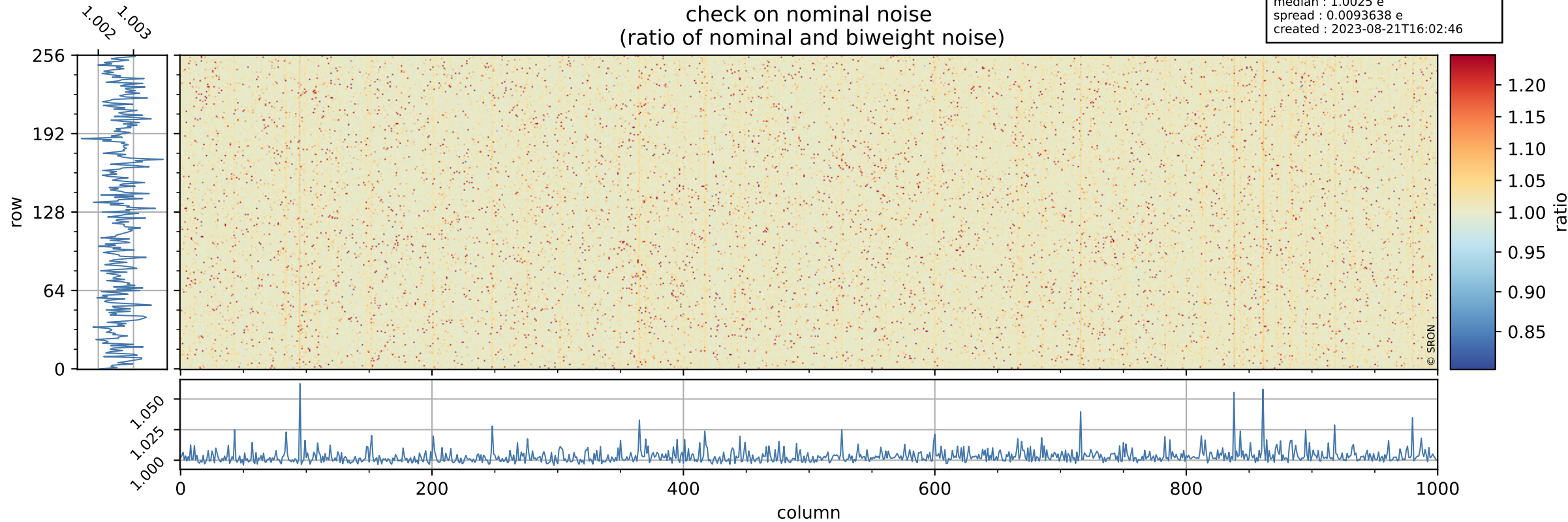
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
median : 0.99817 e  
spread : 0.0079454 e  
created : 2023-08-21T16:02:46



# Tropomi SWIR background noise (swir)

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

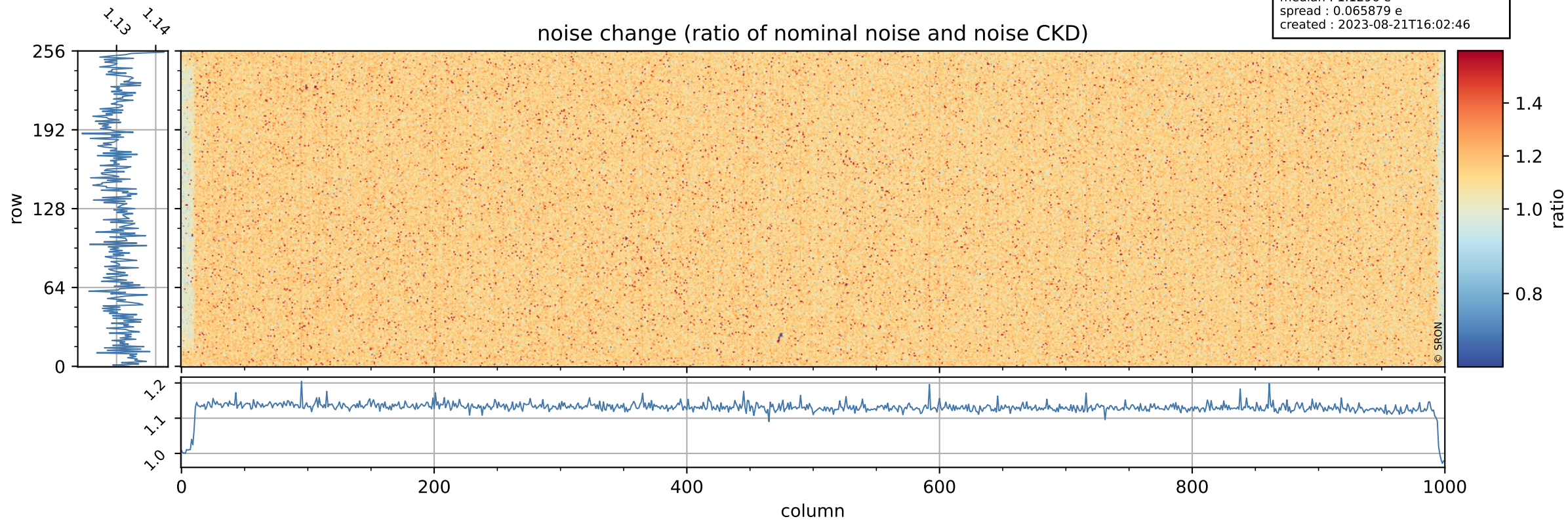
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
median : 1.0025 e  
spread : 0.0093638 e  
created : 2023-08-21T16:02:46



# Tropomi SWIR background noise (swir)

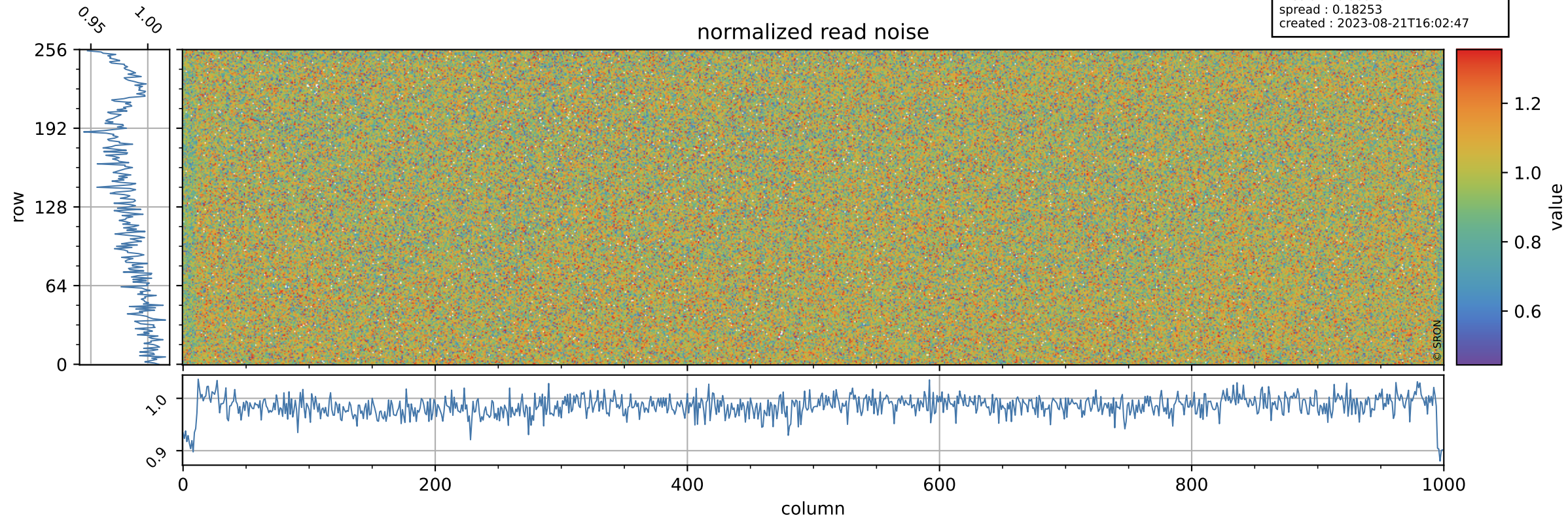
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
median : 1.1296 e  
spread : 0.065879 e  
created : 2023-08-21T16:02:46

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

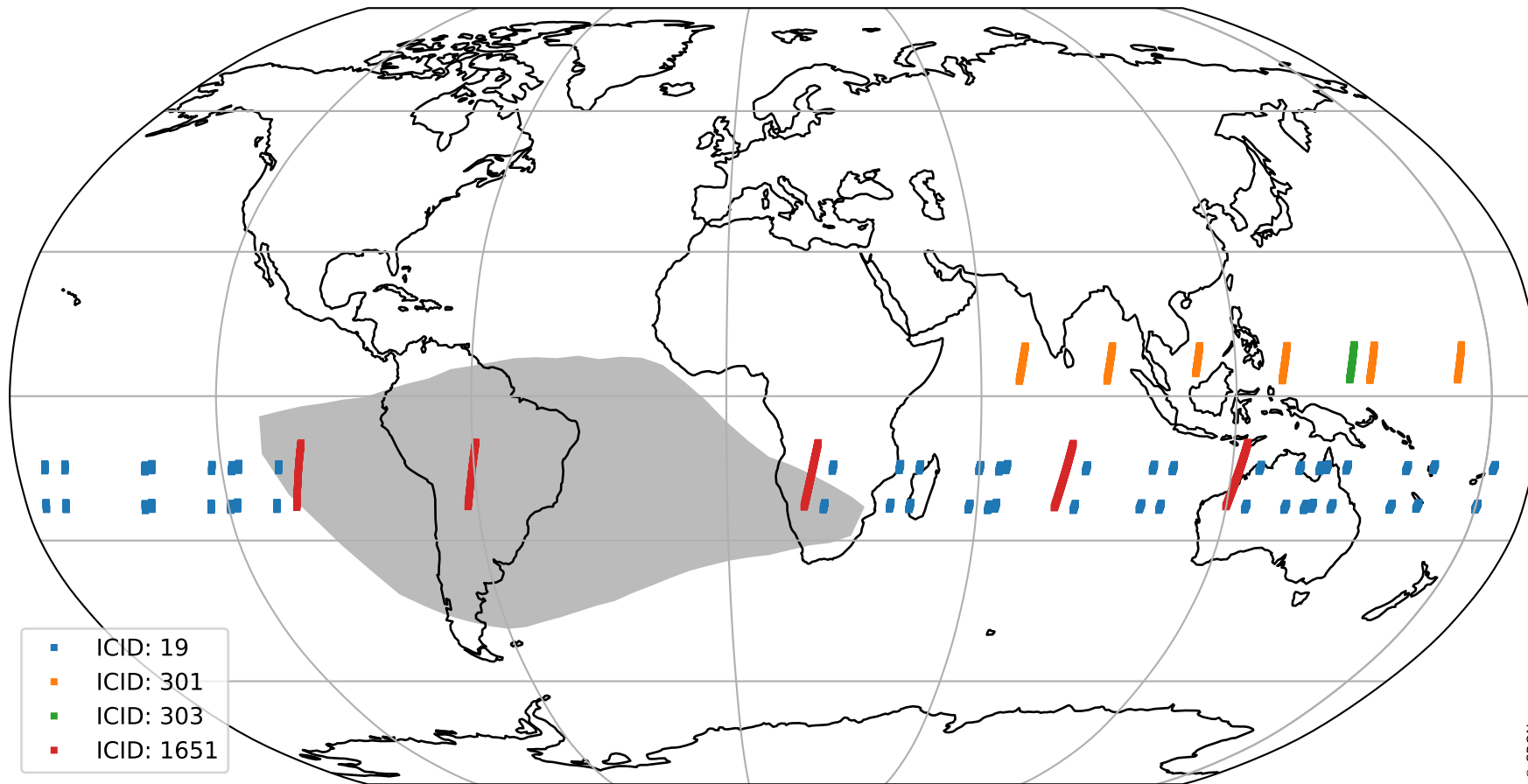
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
median : 0.98319  
spread : 0.18253  
created : 2023-08-21T16:02:47





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

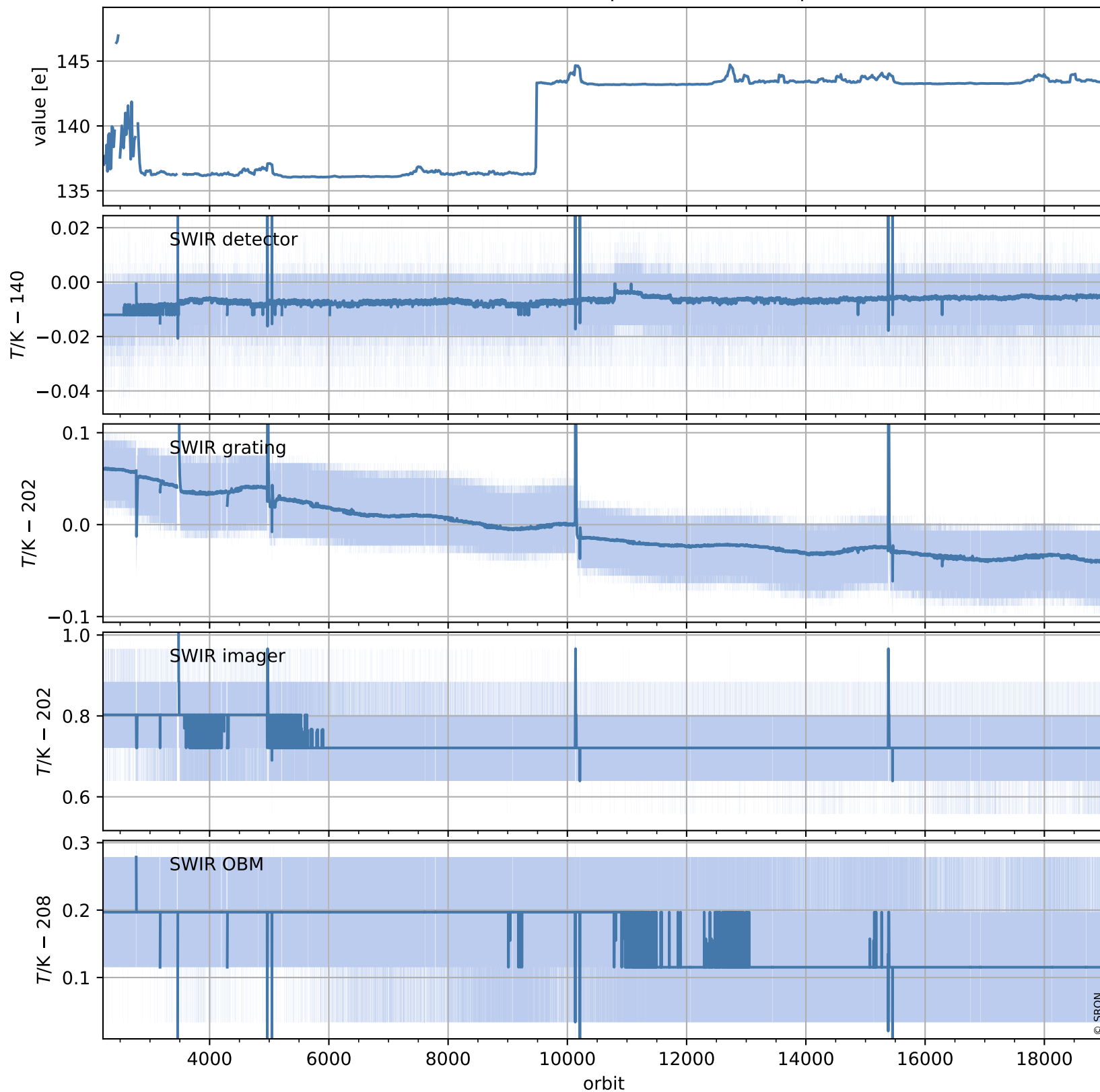
orbits : 12 in [18937, 19012]  
coverage : 2021-06-08 / 2021-06-13  
created : 2023-08-21T16:02:47



# Tropomi SWIR background noise (swir)

orbits : [2212, 19012]  
coverage : 2018-03-18 / 2021-06-13  
created : 2023-08-21T16:02:47

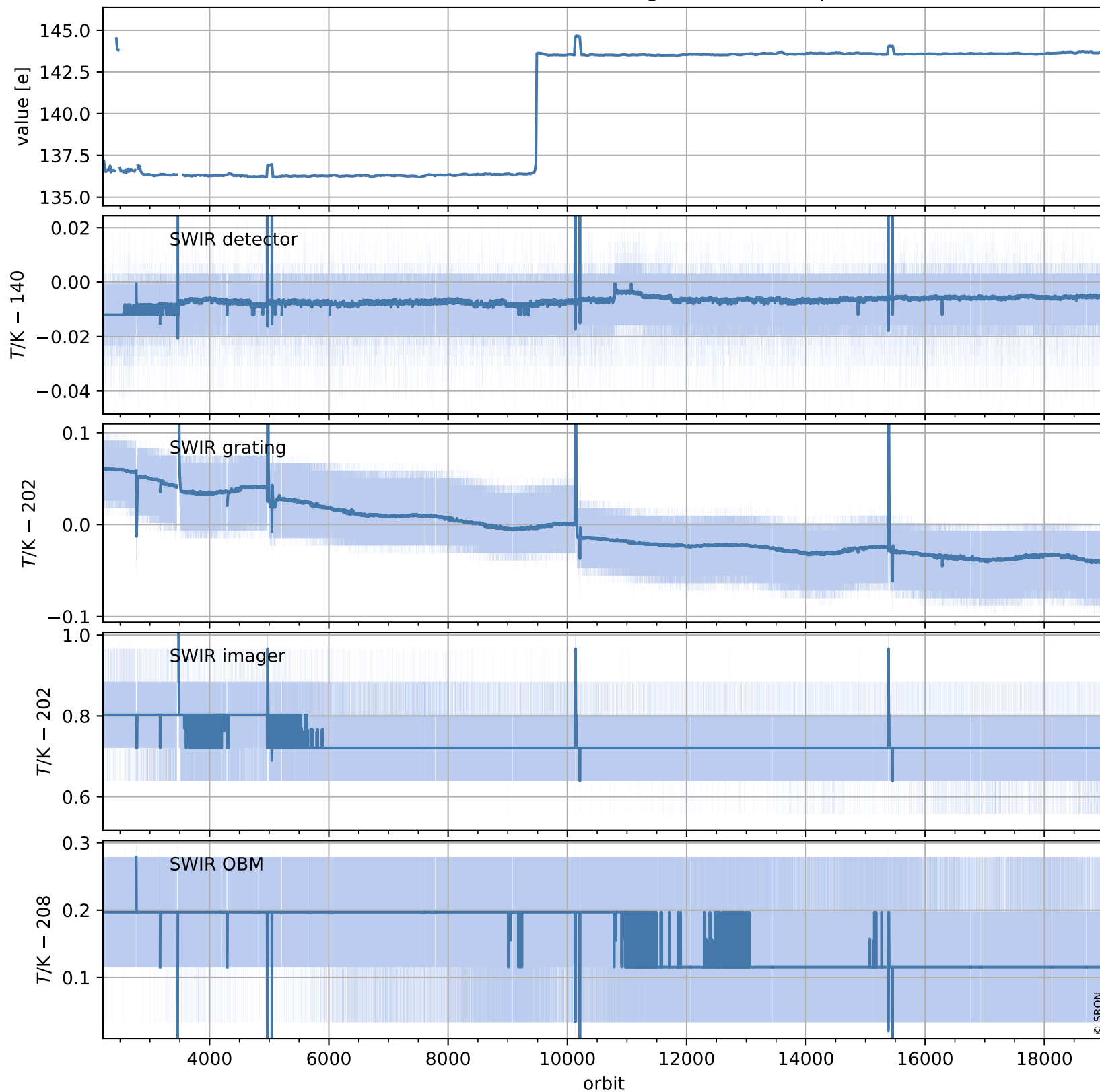
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19012]  
coverage : 2018-03-18 / 2021-06-13  
created : 2023-08-21T16:02:48

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 19012]  
coverage : 2018-03-18 / 2021-06-13  
created : 2023-08-21T16:02:49

## trend of normalized read-noise & temperatures

