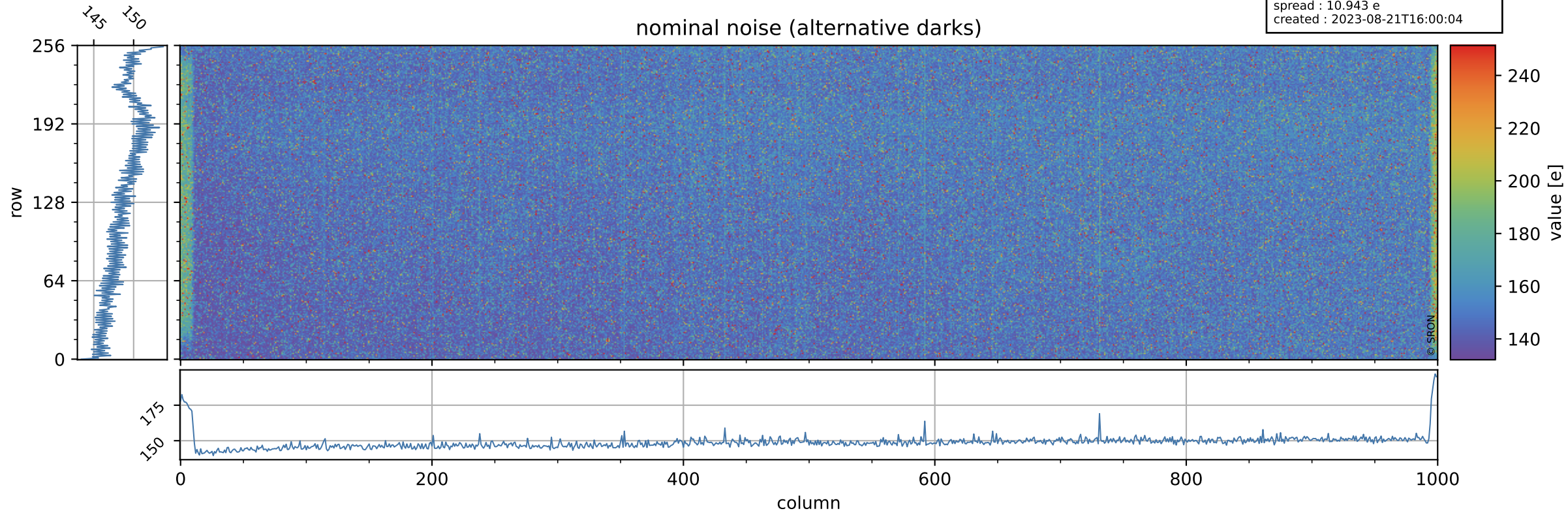


# Tropomi SWIR background noise (swir)

orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.943 e  
created : 2023-08-21T16:00:04

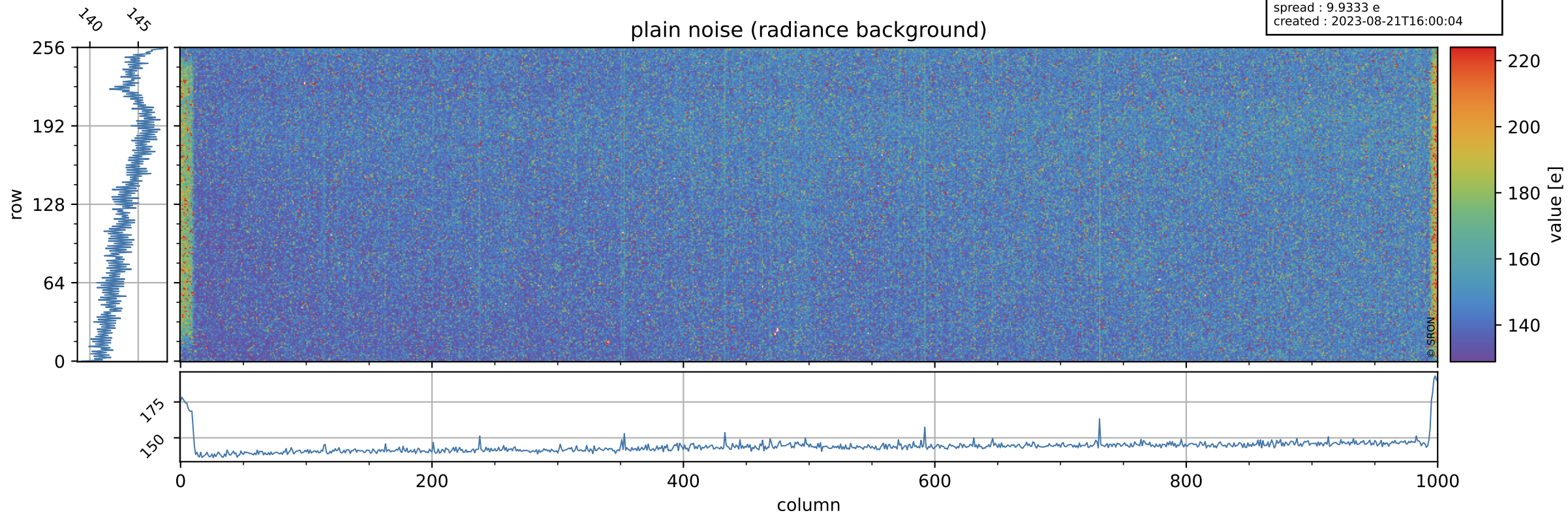
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 9.9333 e  
created : 2023-08-21T16:00:04

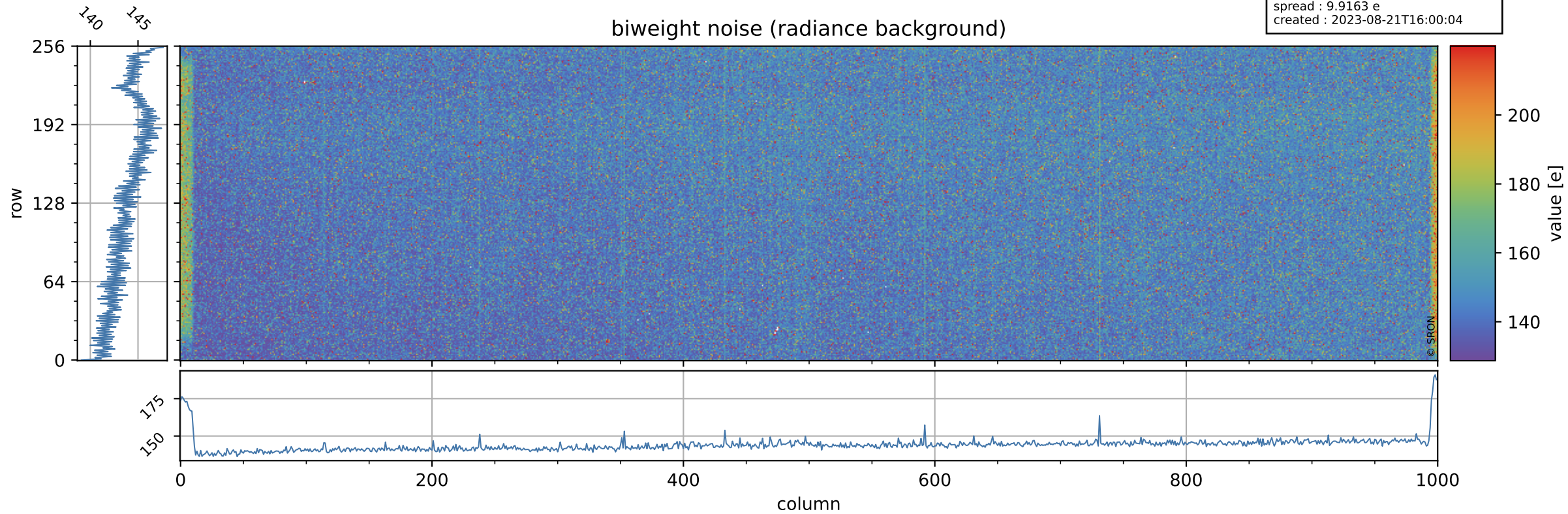
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.9163 e  
created : 2023-08-21T16:00:04

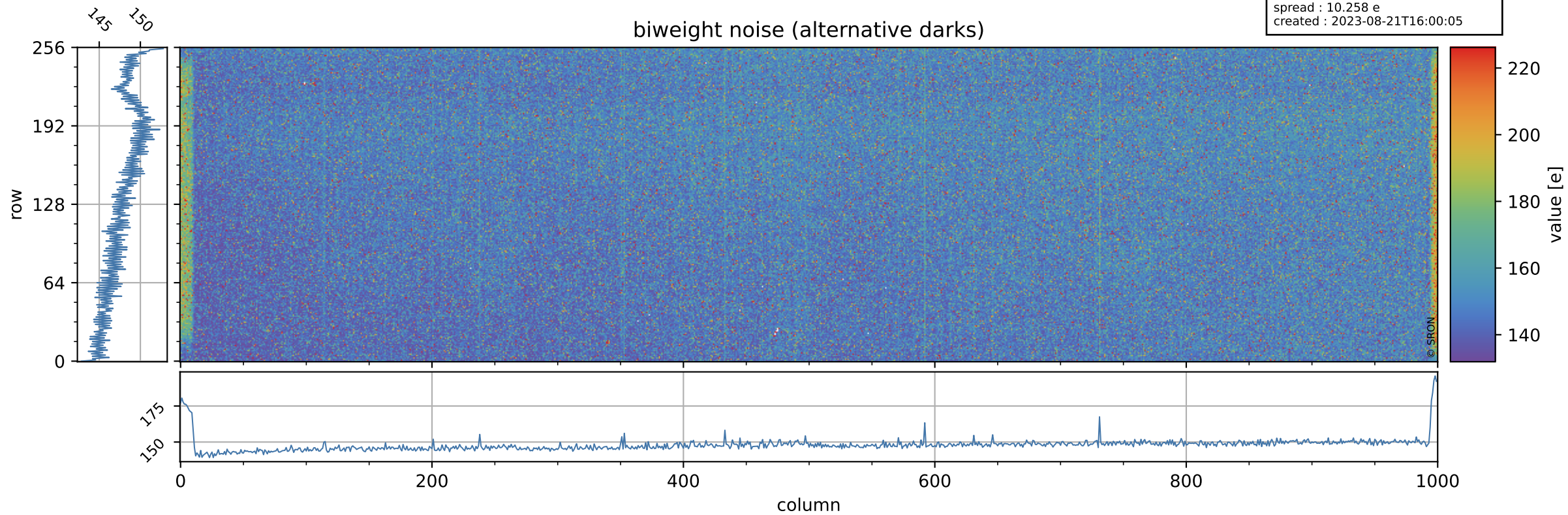
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.258 e  
created : 2023-08-21T16:00:05

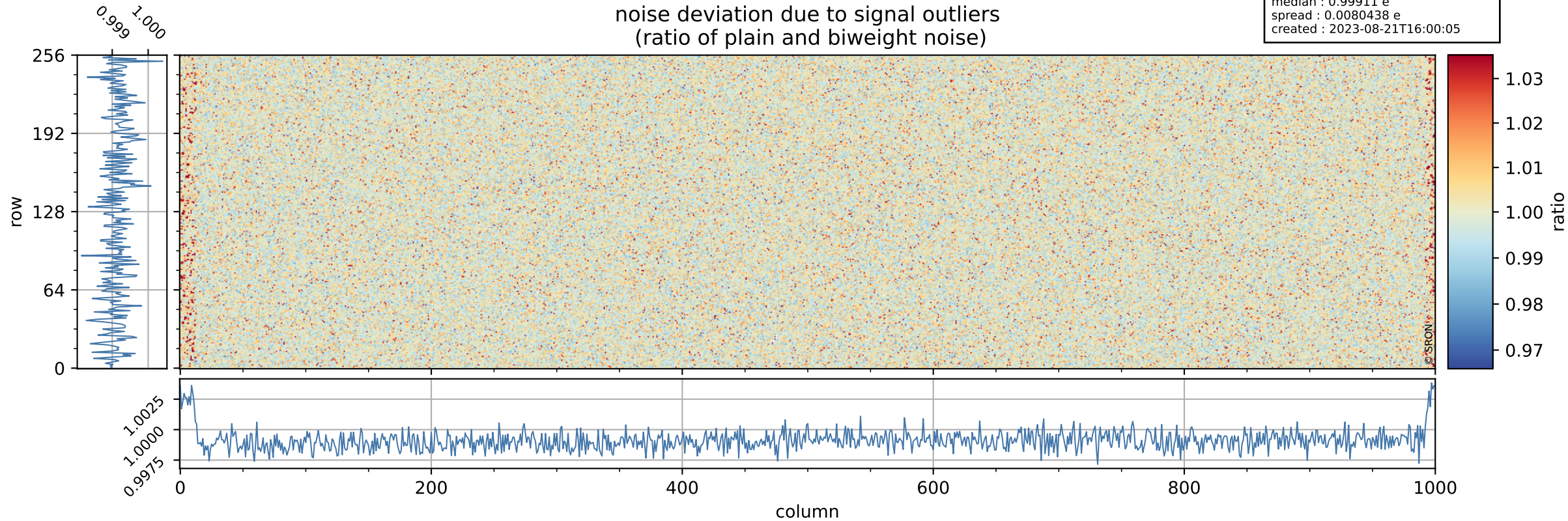
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

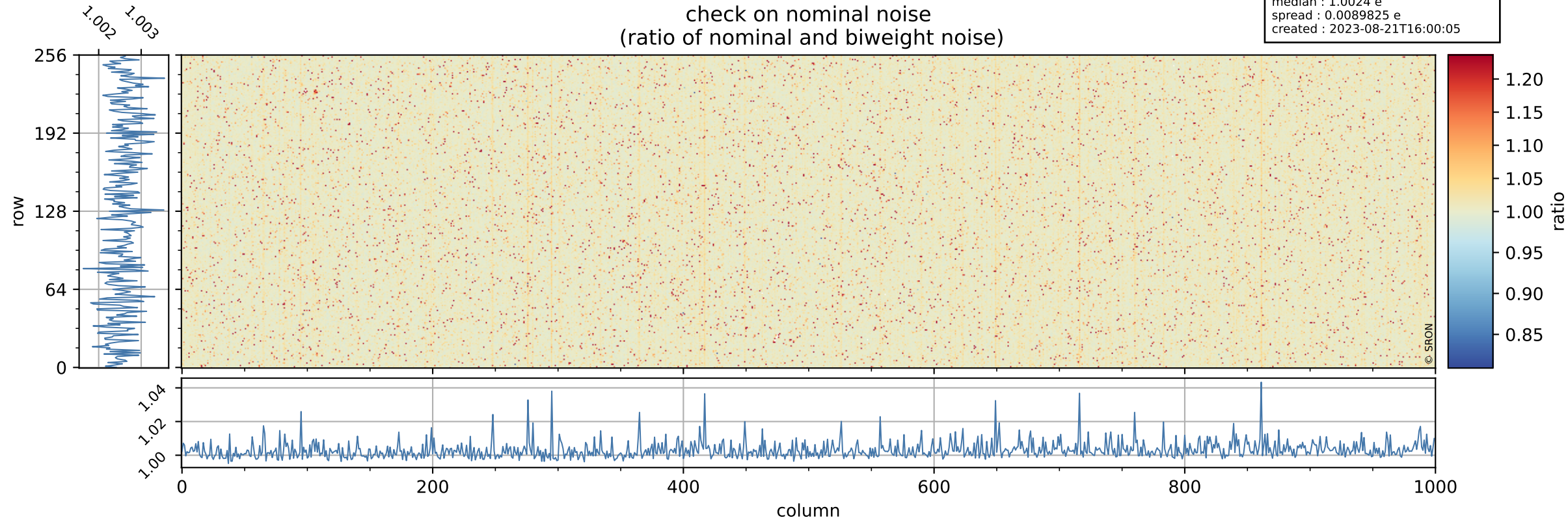
orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
median : 0.99911 e  
spread : 0.0080438 e  
created : 2023-08-21T16:00:05



# Tropomi SWIR background noise (swir)

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

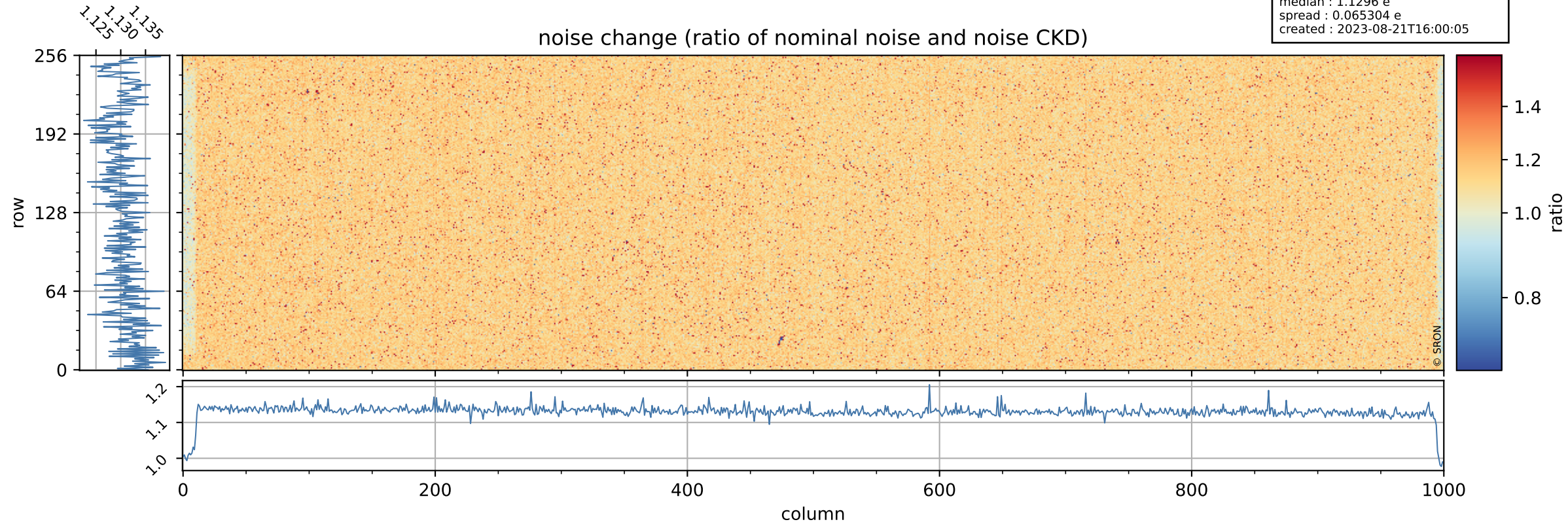
orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
median : 1.0024 e  
spread : 0.0089825 e  
created : 2023-08-21T16:00:05



# Tropomi SWIR background noise (swir)

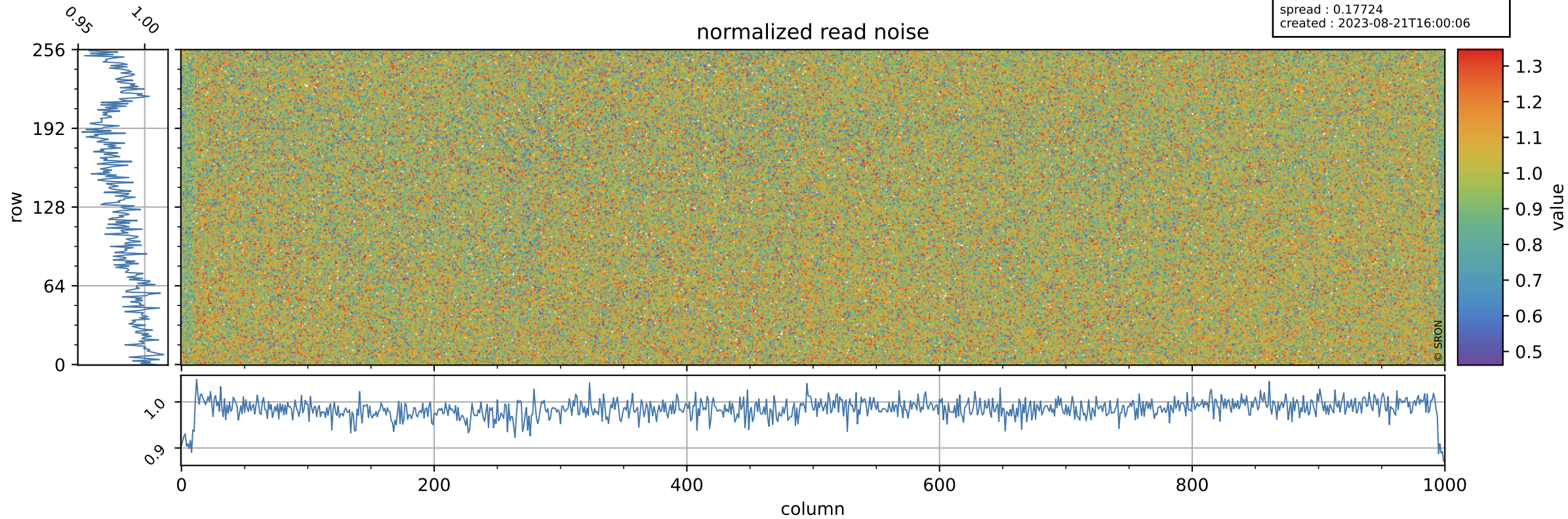
orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
median : 1.1296 e  
spread : 0.065304 e  
created : 2023-08-21T16:00:05

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

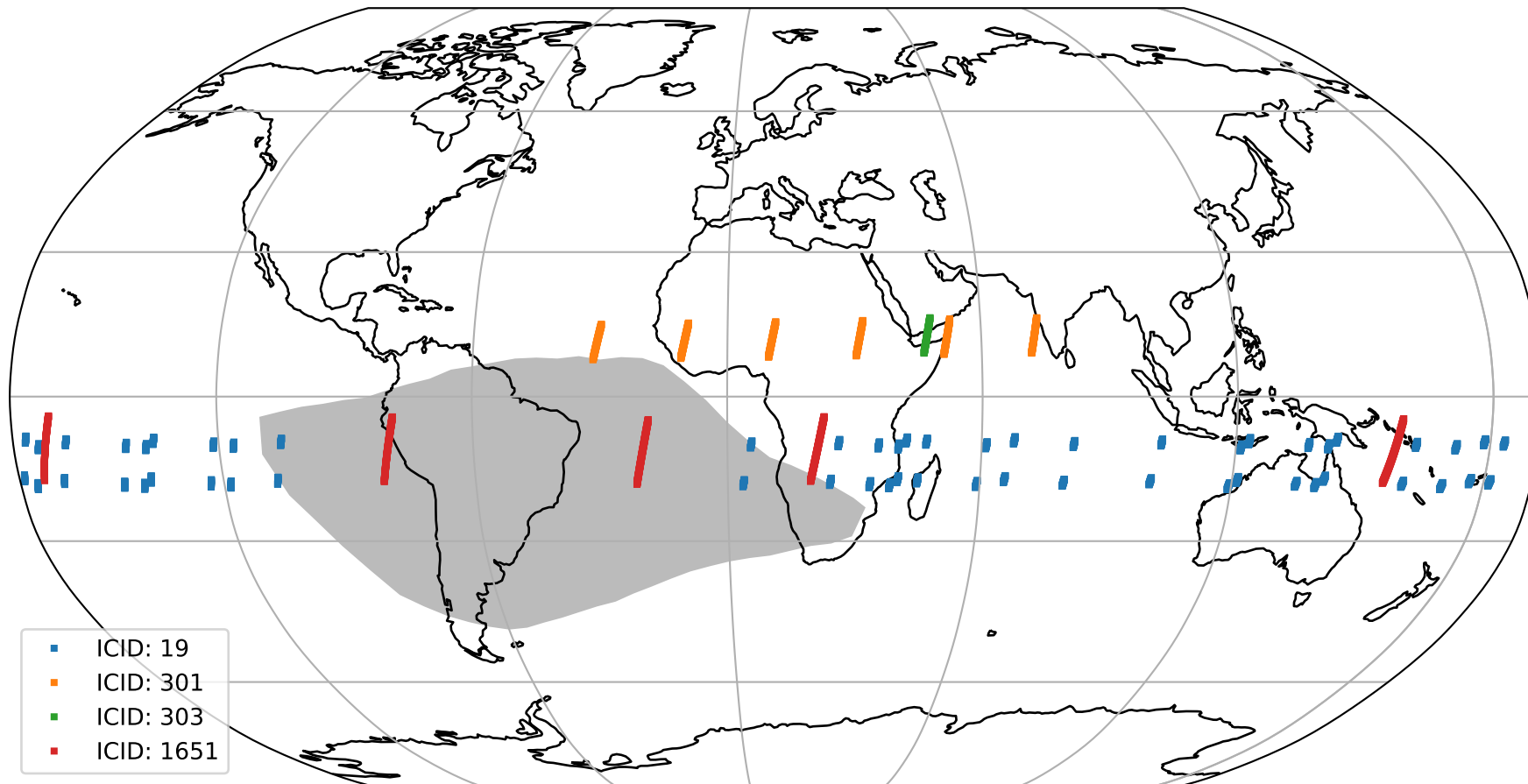
orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
median : 0.98308  
spread : 0.17724  
created : 2023-08-21T16:00:06





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

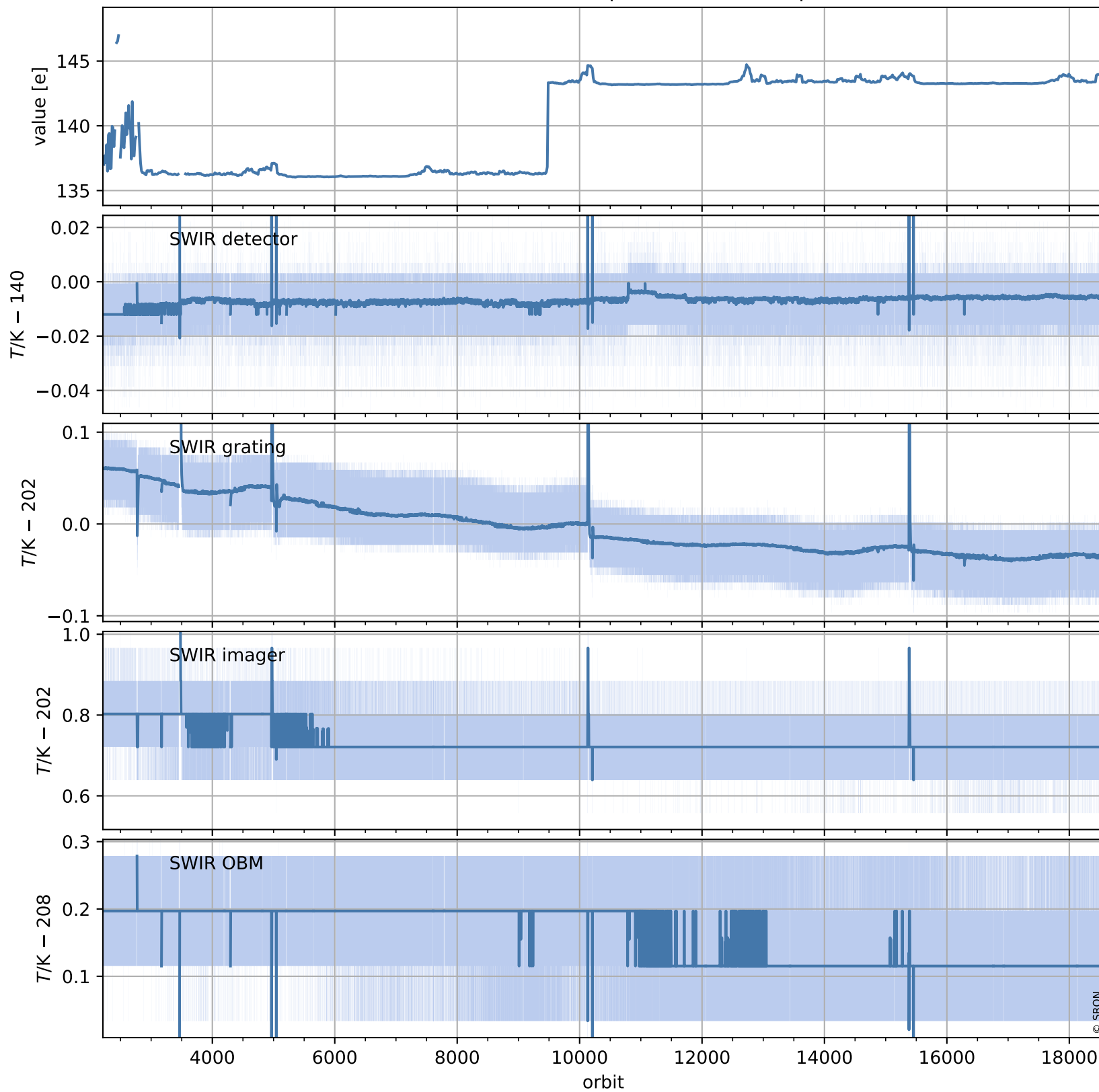
orbits : 12 in [18487, 18562]  
coverage : 2021-05-07 / 2021-05-13  
created : 2023-08-21T16:00:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 18562]  
coverage : 2018-03-18 / 2021-05-13  
created : 2023-08-21T16:00:06

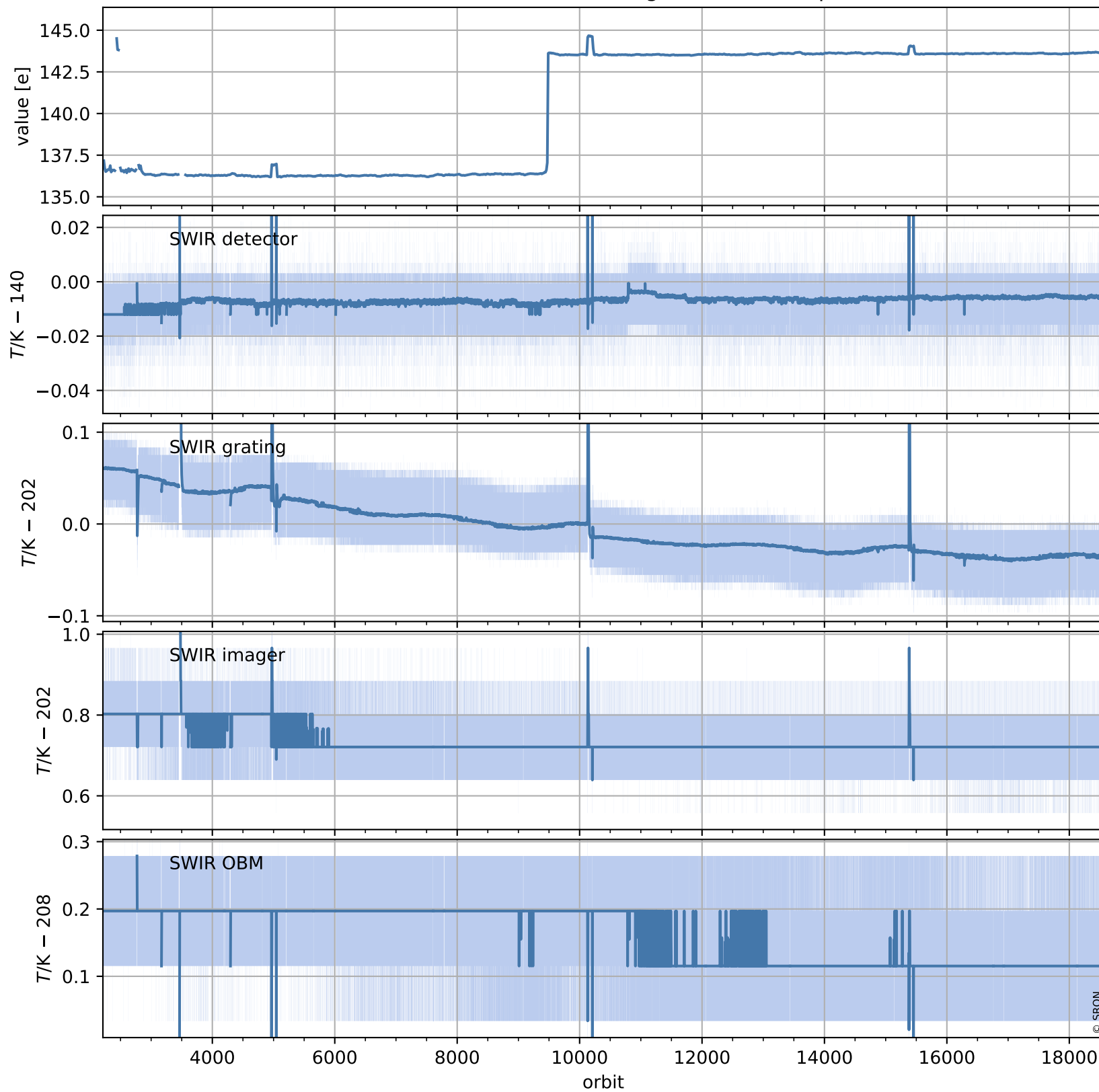
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18562]  
coverage : 2018-03-18 / 2021-05-13  
created : 2023-08-21T16:00:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18562]  
coverage : 2018-03-18 / 2021-05-13  
created : 2023-08-21T16:00:08

## trend of normalized read-noise & temperatures

