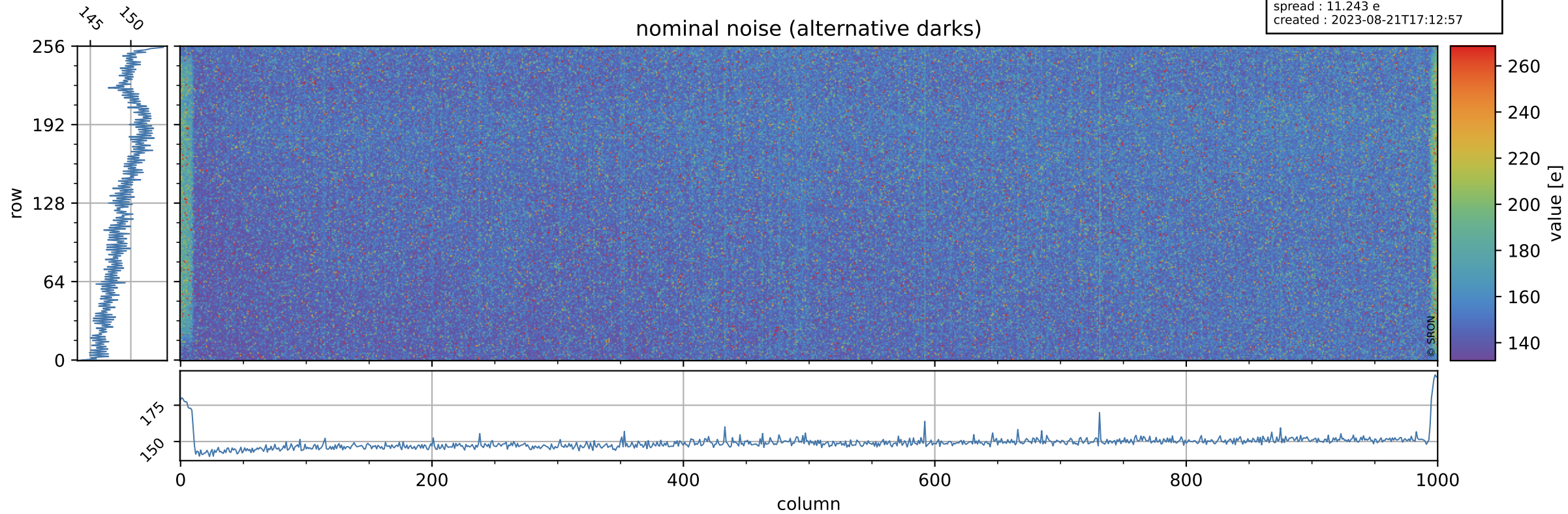


# Tropomi SWIR background noise (swir)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.94 e  
spread : 11.243 e  
created : 2023-08-21T17:12:57

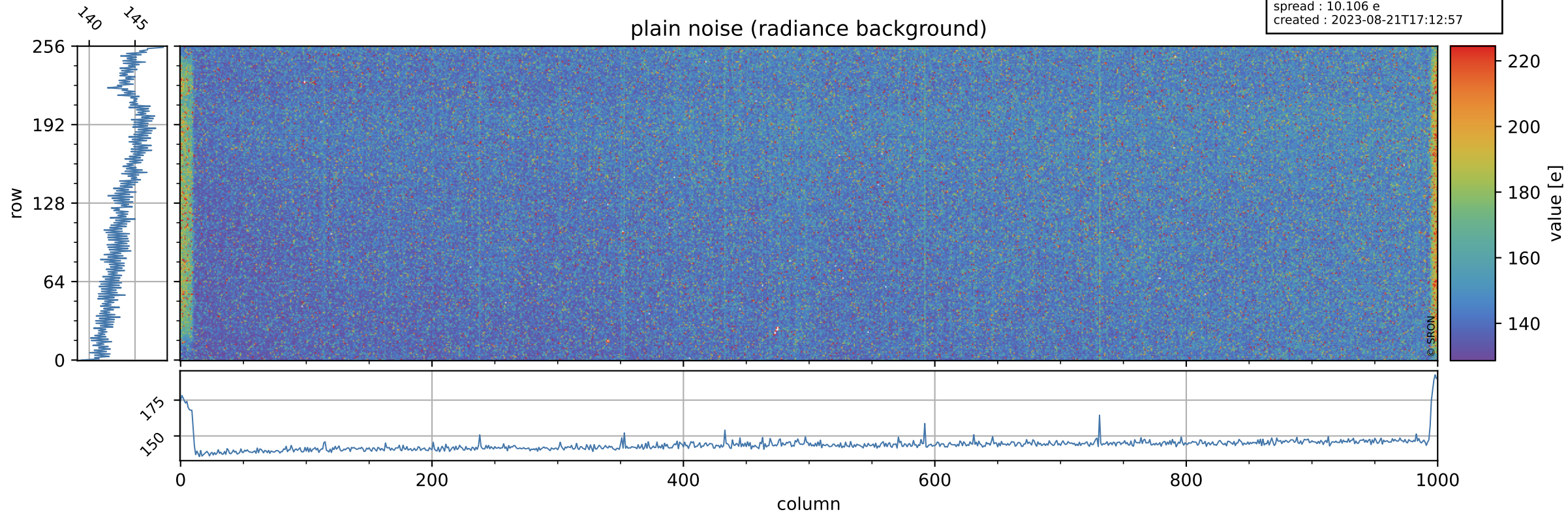
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.67 e  
spread : 10.106 e  
created : 2023-08-21T17:12:57

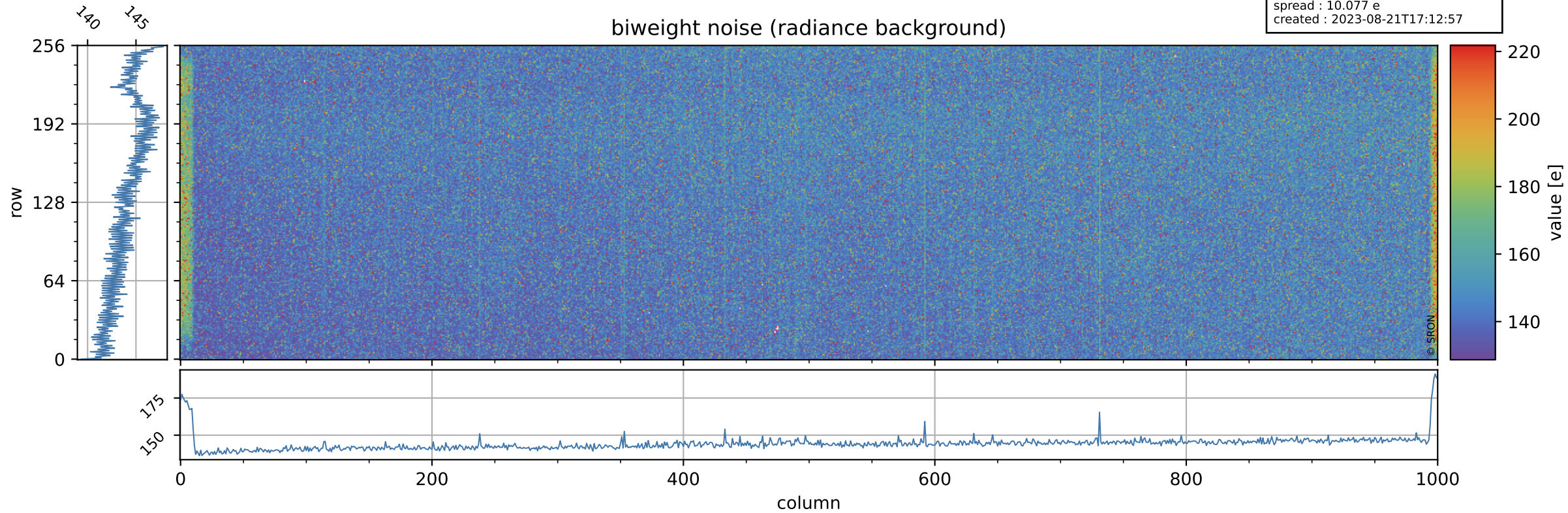
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.95 e  
spread : 10.077 e  
created : 2023-08-21T17:12:57

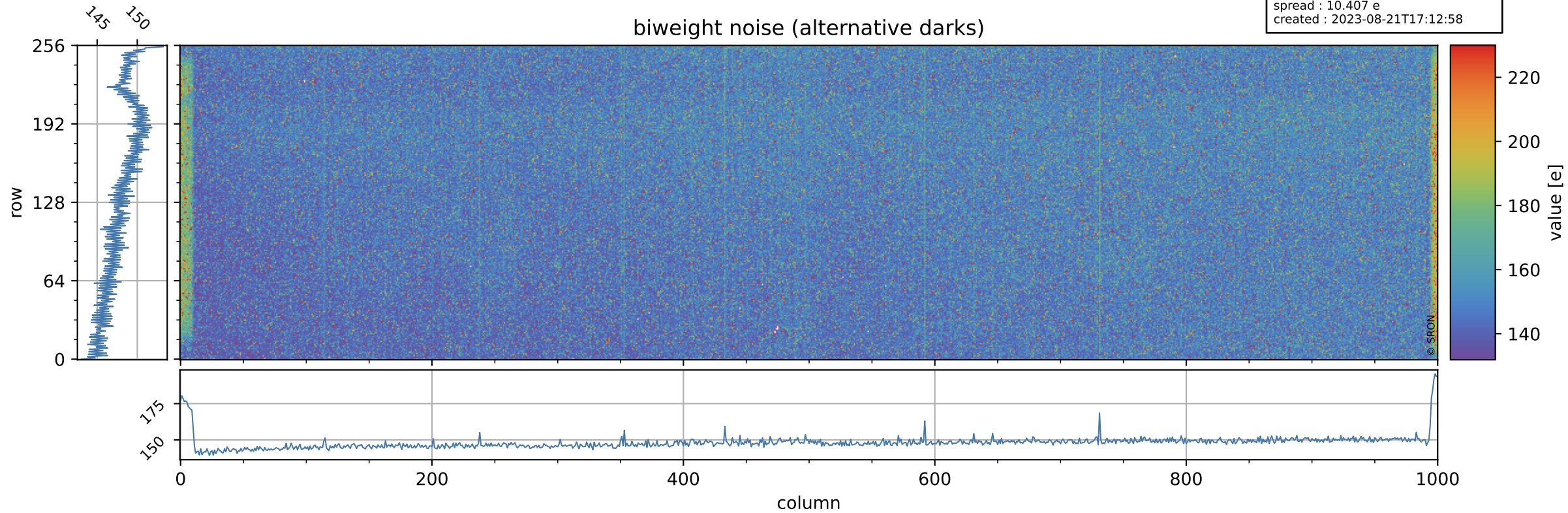
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.88 e  
spread : 10.407 e  
created : 2023-08-21T17:12:58

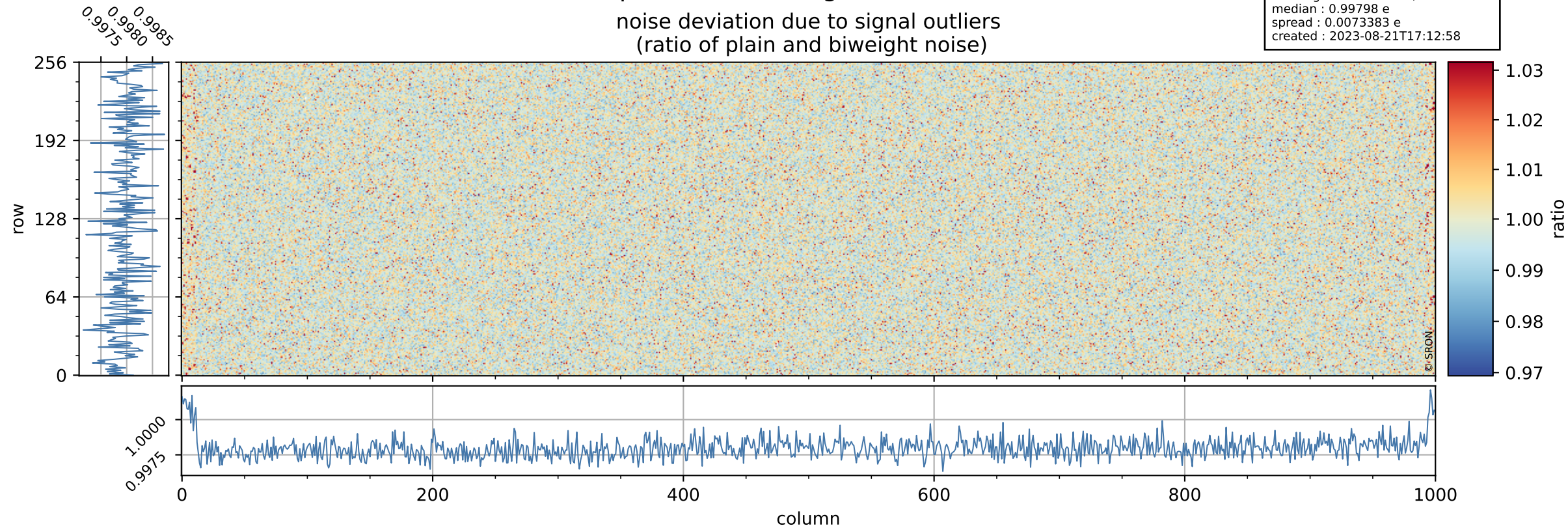
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

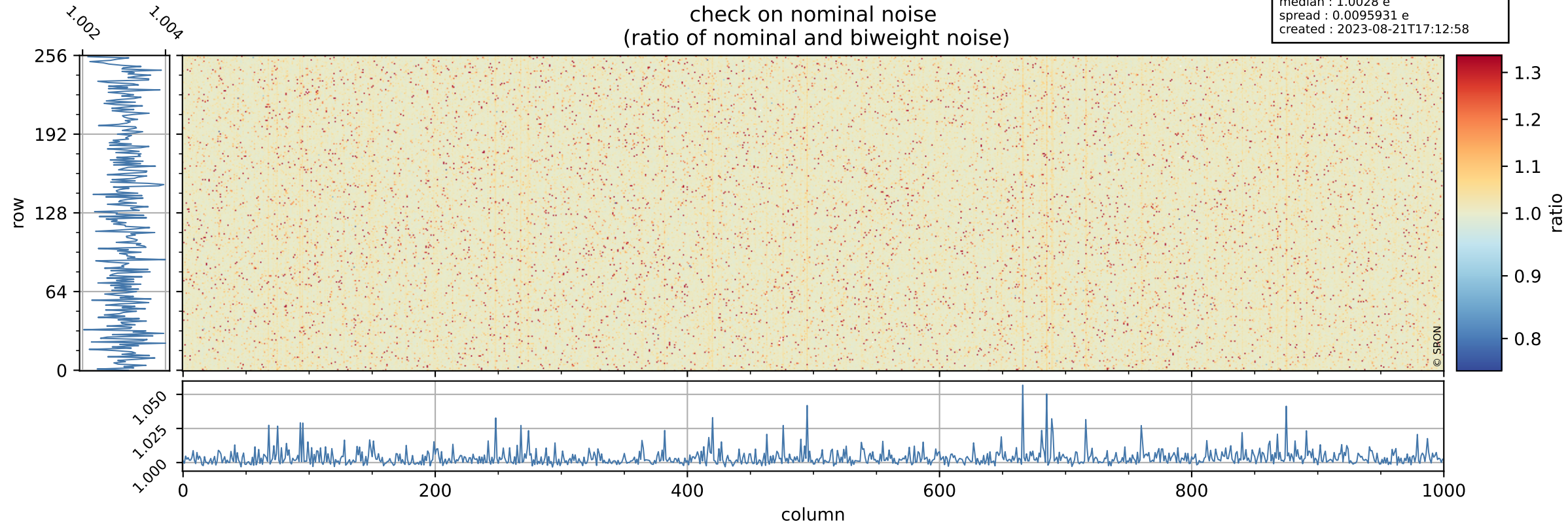
orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
median : 0.99798 e  
spread : 0.0073383 e  
created : 2023-08-21T17:12:58



# Tropomi SWIR background noise (swir)

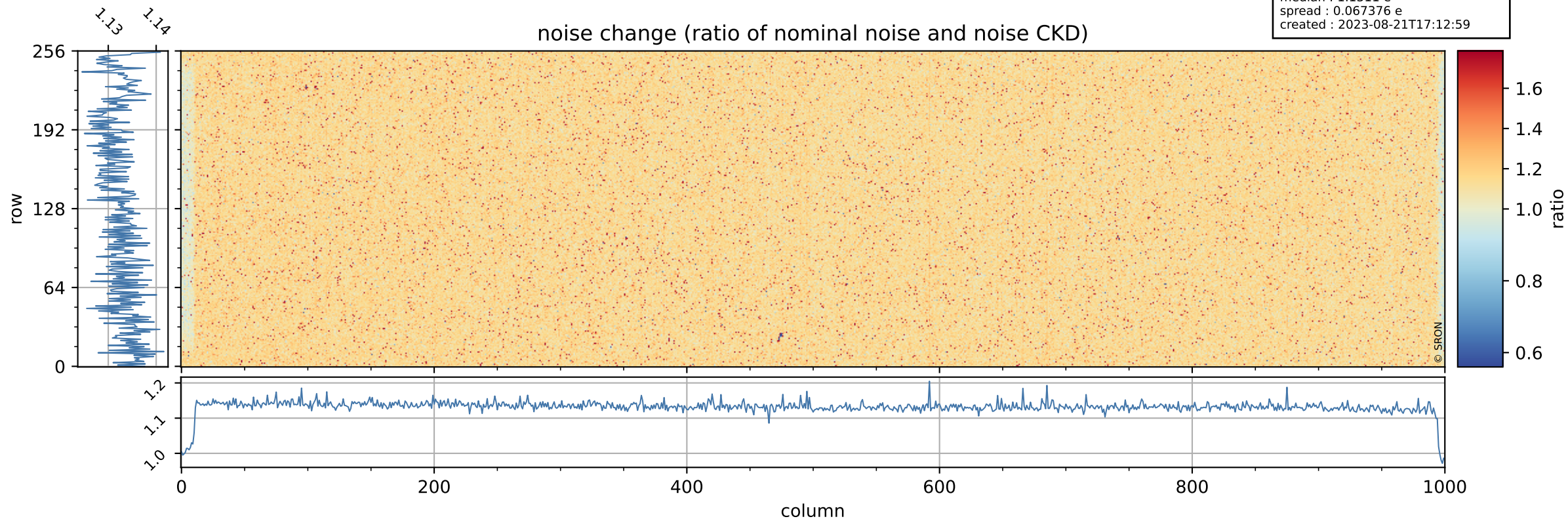
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
median : 1.0028 e  
spread : 0.0095931 e  
created : 2023-08-21T17:12:58



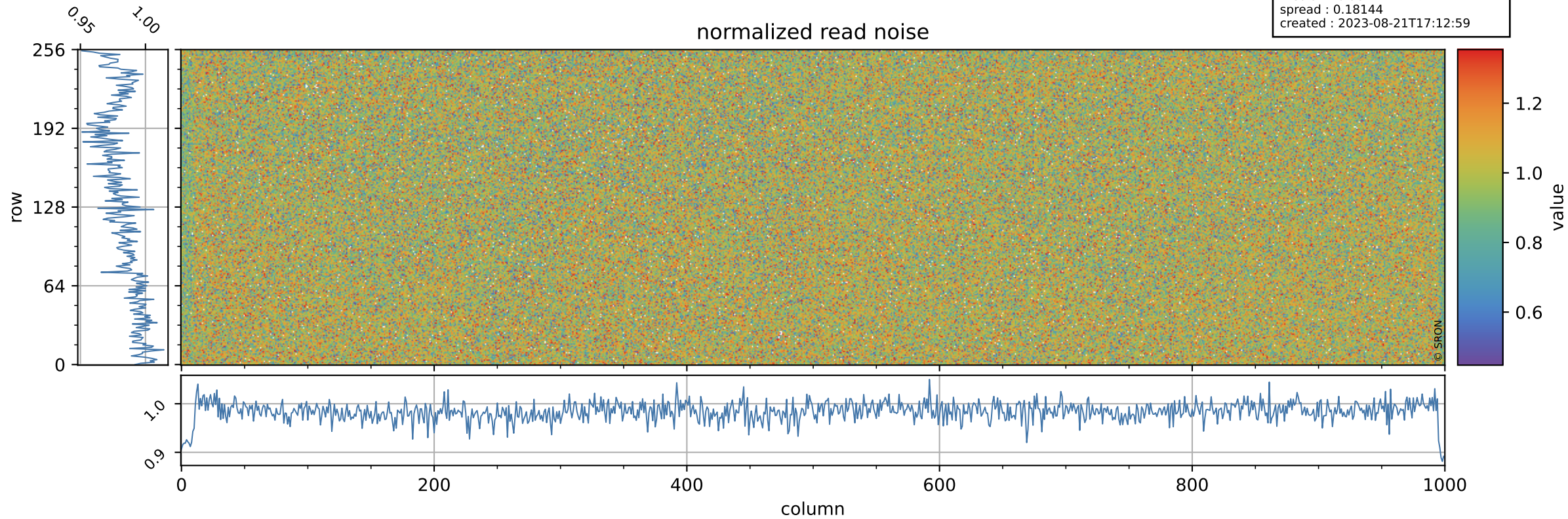
# Tropomi SWIR background noise (swir)

orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
median : 1.1311 e  
spread : 0.067376 e  
created : 2023-08-21T17:12:59



# Tropomi SWIR background noise (swir)

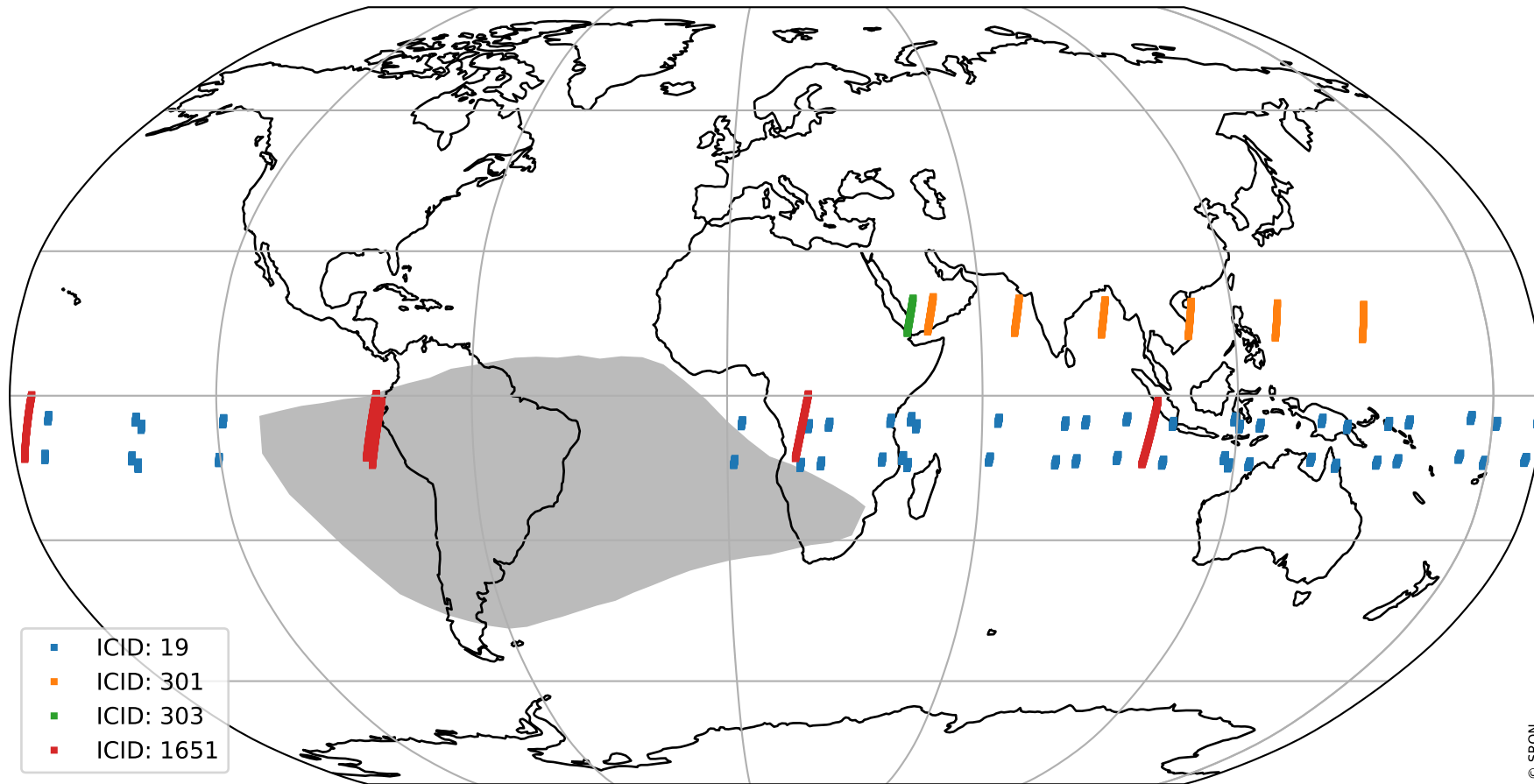
orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
median : 0.982  
spread : 0.18144  
created : 2023-08-21T17:12:59





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

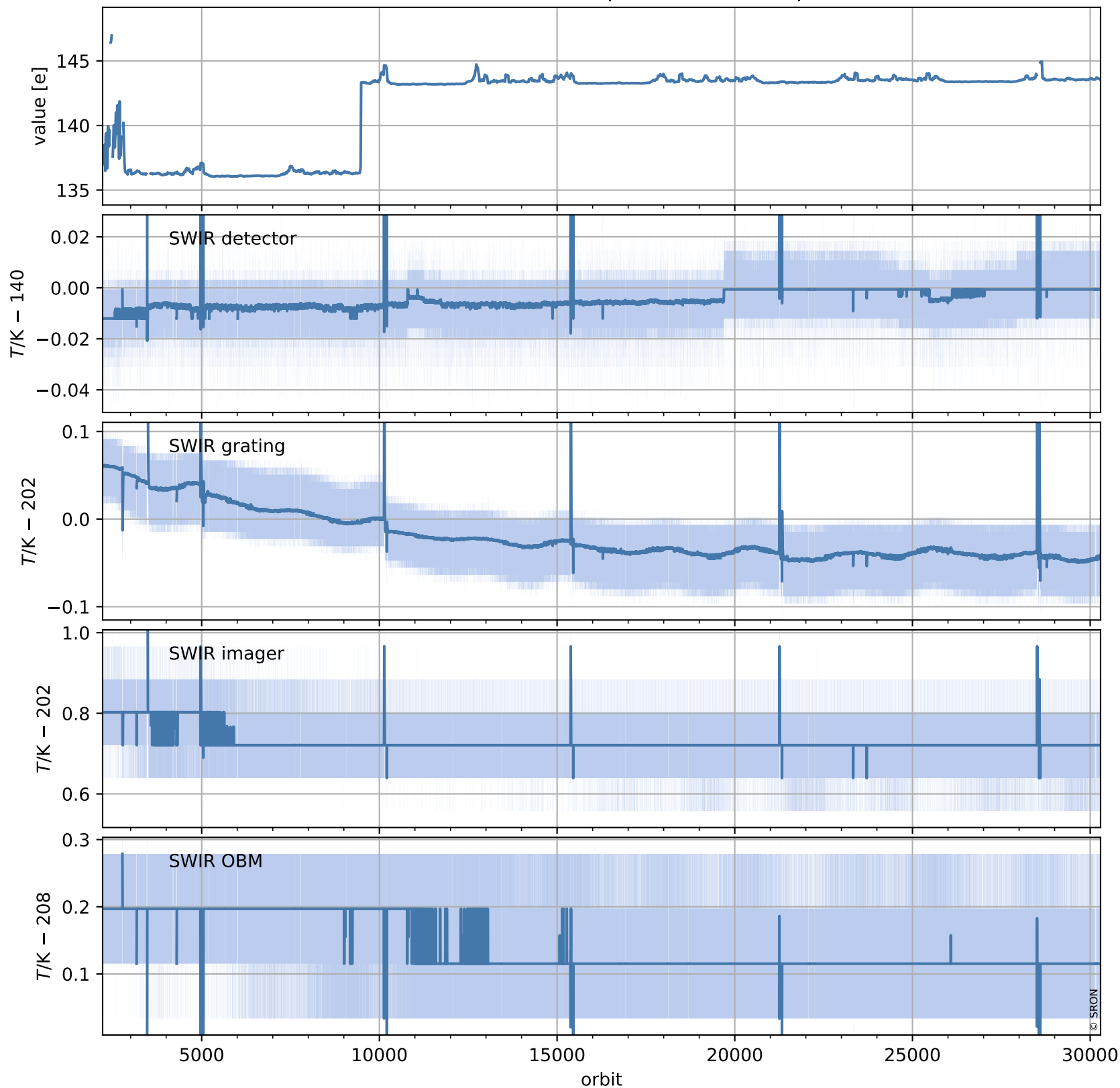
orbits : 12 in [30202, 30292]  
coverage : 2023-08-12 / 2023-08-18  
created : 2023-08-21T17:12:59



# Tropomi SWIR background noise (swir)

orbits : [2212, 30292]  
coverage : 2018-03-18 / 2023-08-18  
created : 2023-08-21T17:12:59

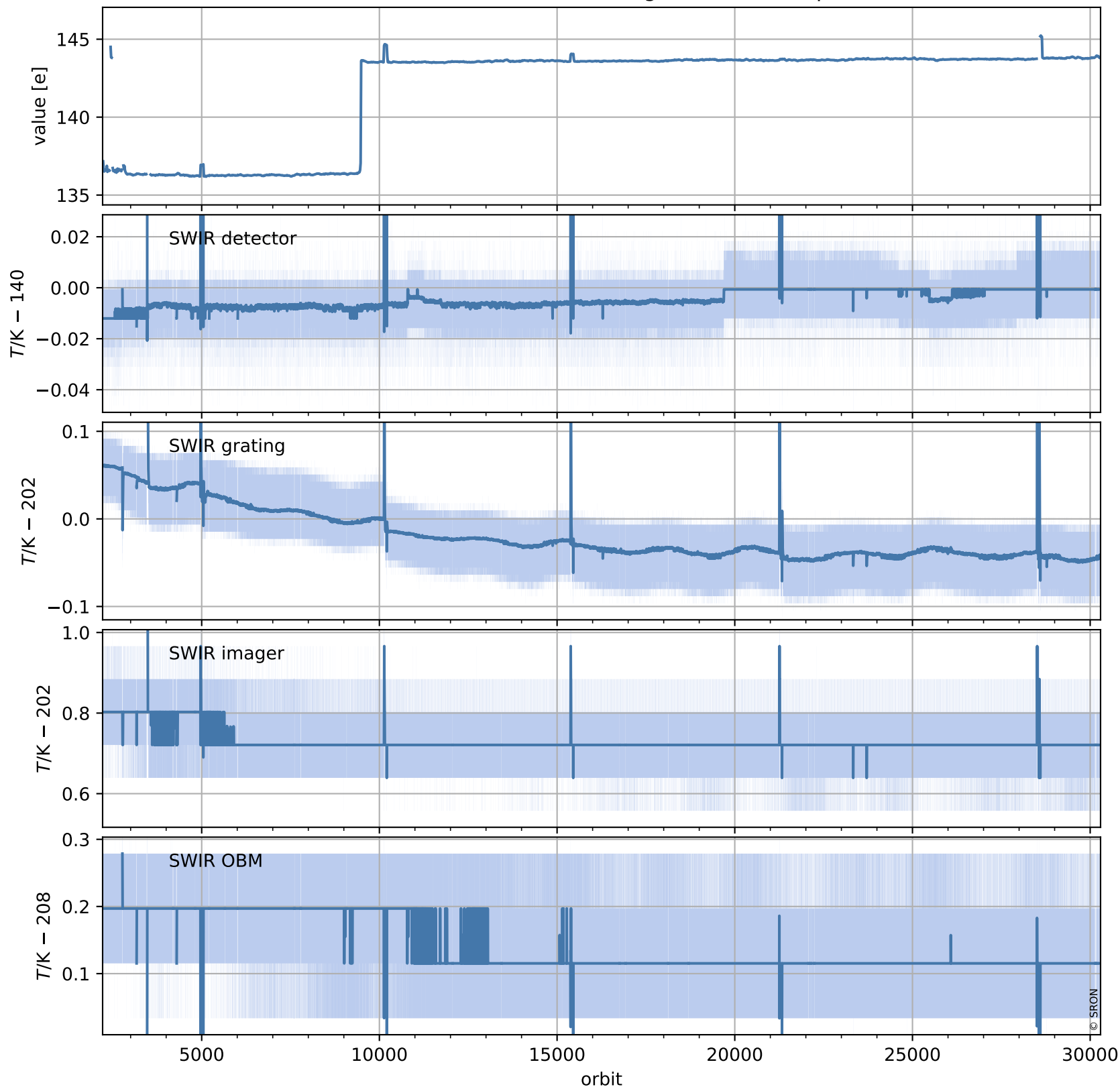
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30292]  
coverage : 2018-03-18 / 2023-08-18  
created : 2023-08-21T17:13:00

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 30292]  
coverage : 2018-03-18 / 2023-08-18  
created : 2023-08-21T17:13:01

## trend of normalized read-noise & temperatures

