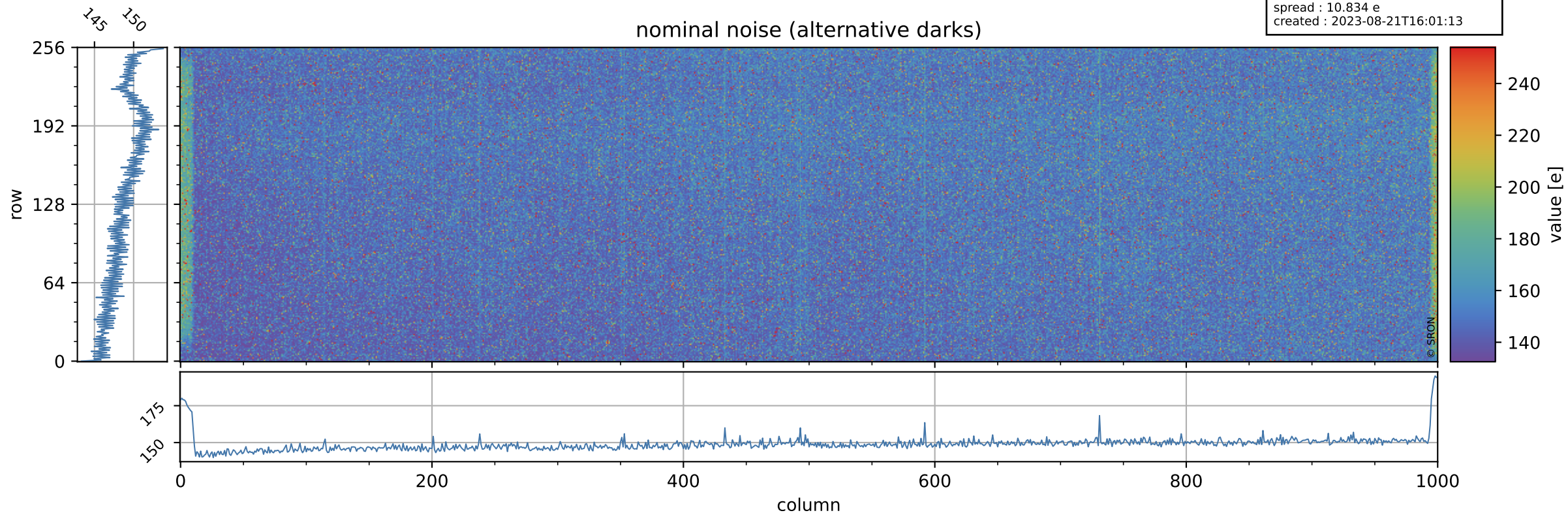


# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.69 e  
spread : 10.834 e  
created : 2023-08-21T16:01:13

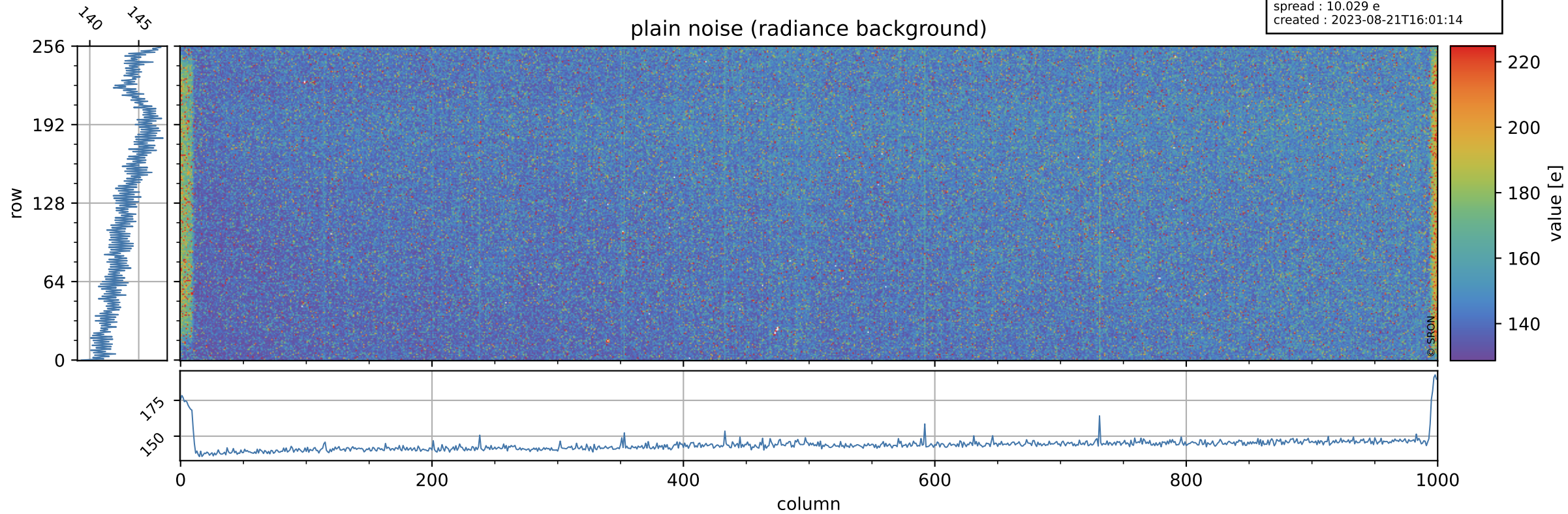
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 10.029 e  
created : 2023-08-21T16:01:14

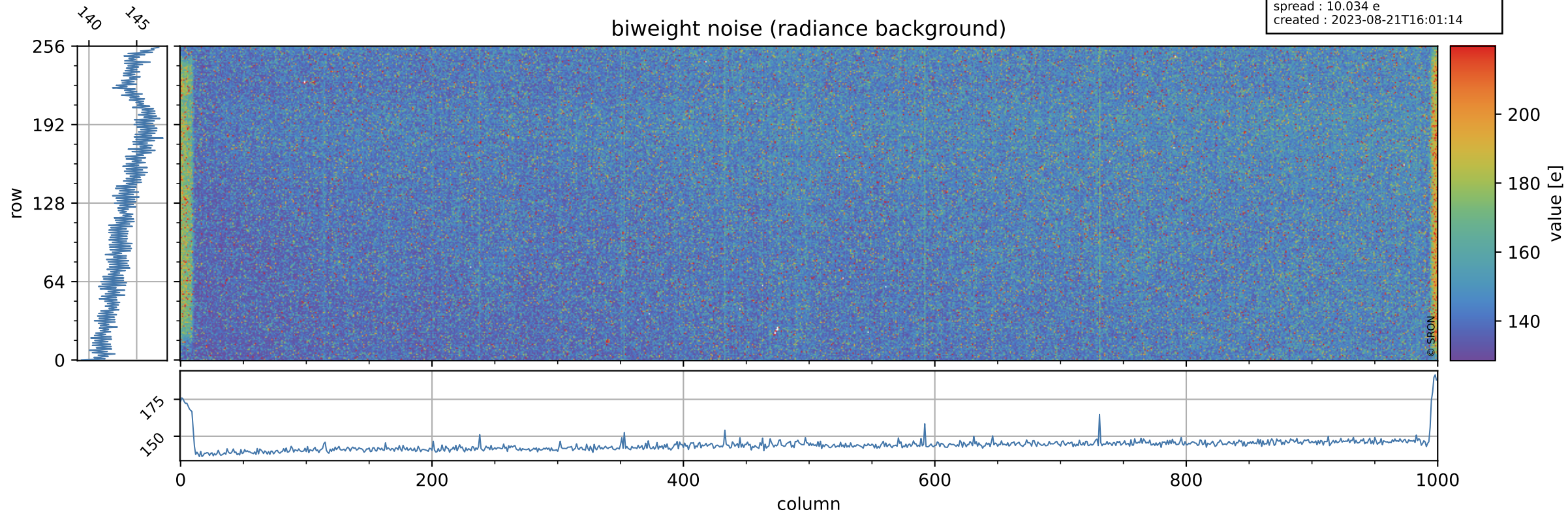
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 10.034 e  
created : 2023-08-21T16:01:14

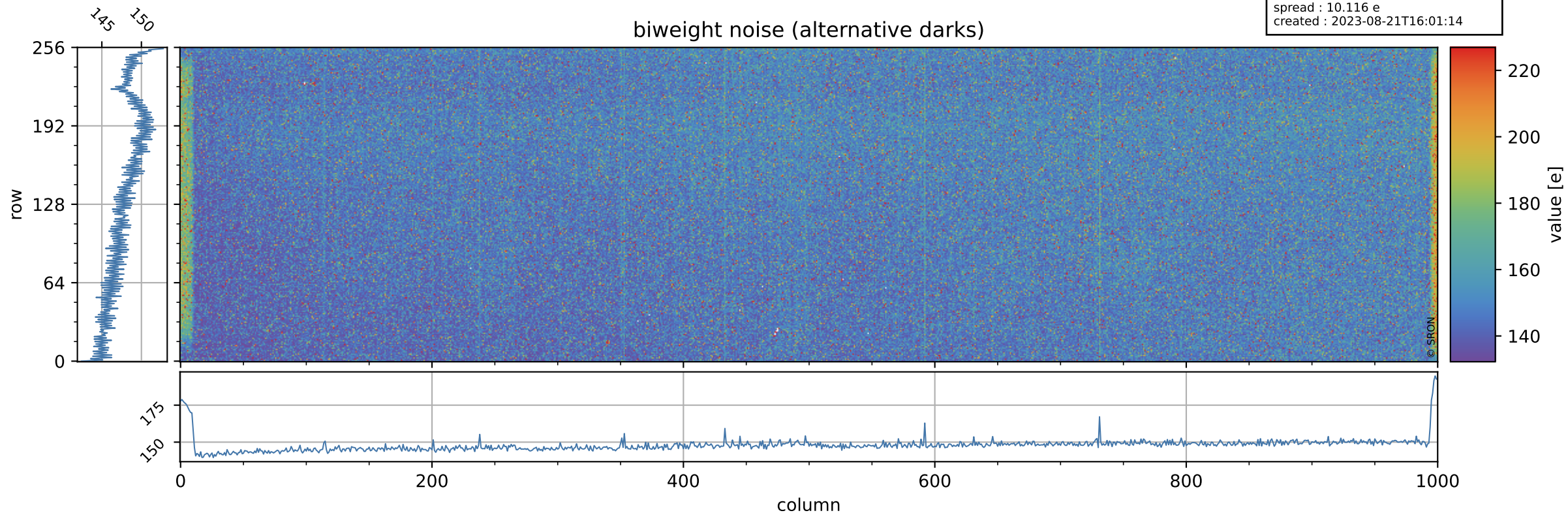
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.116 e  
created : 2023-08-21T16:01:14

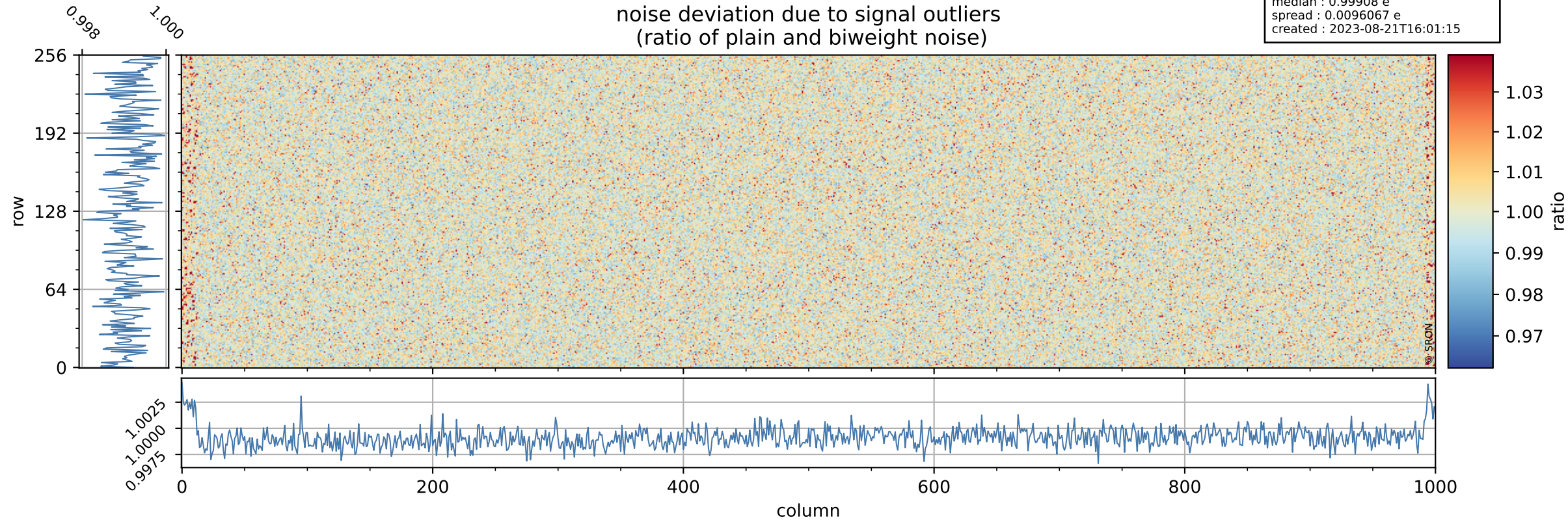
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

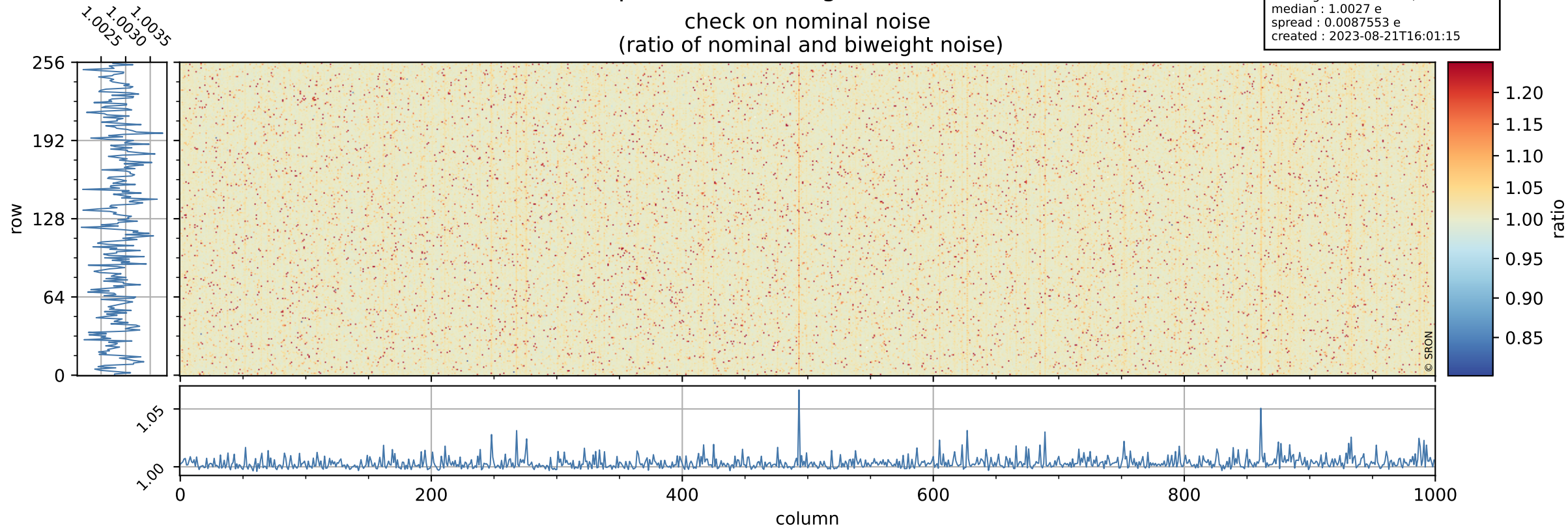
orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
median : 0.99908 e  
spread : 0.0096067 e  
created : 2023-08-21T16:01:15



# Tropomi SWIR background noise (swir)

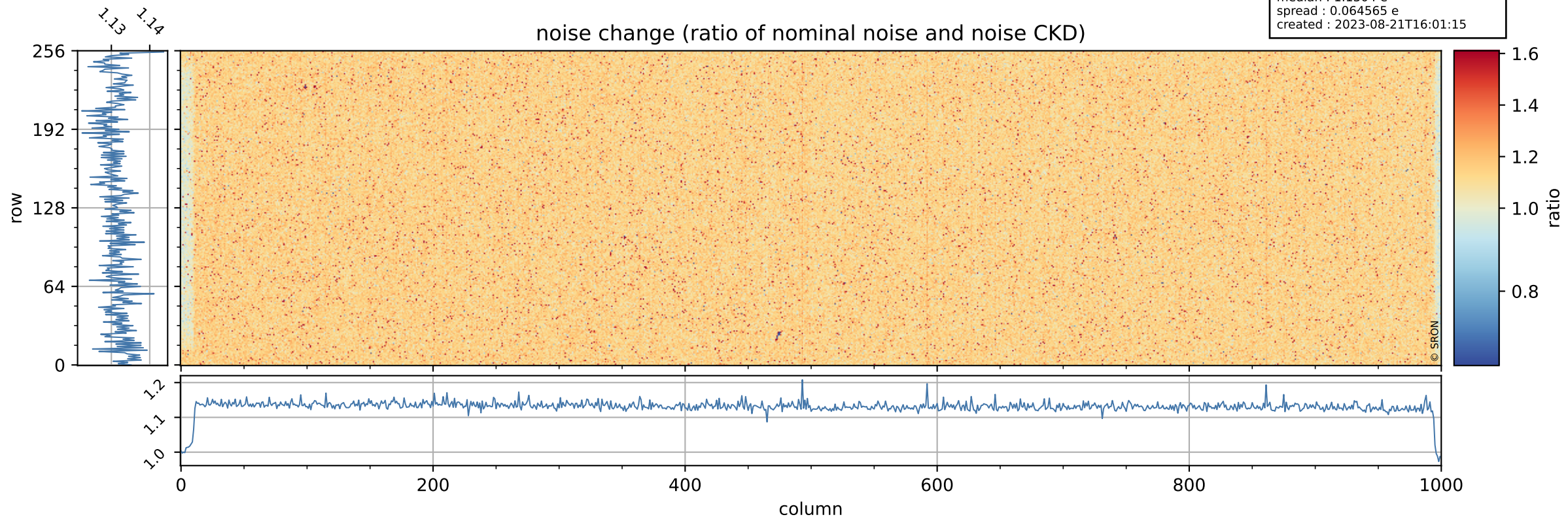
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
median : 1.0027 e  
spread : 0.0087553 e  
created : 2023-08-21T16:01:15



# Tropomi SWIR background noise (swir)

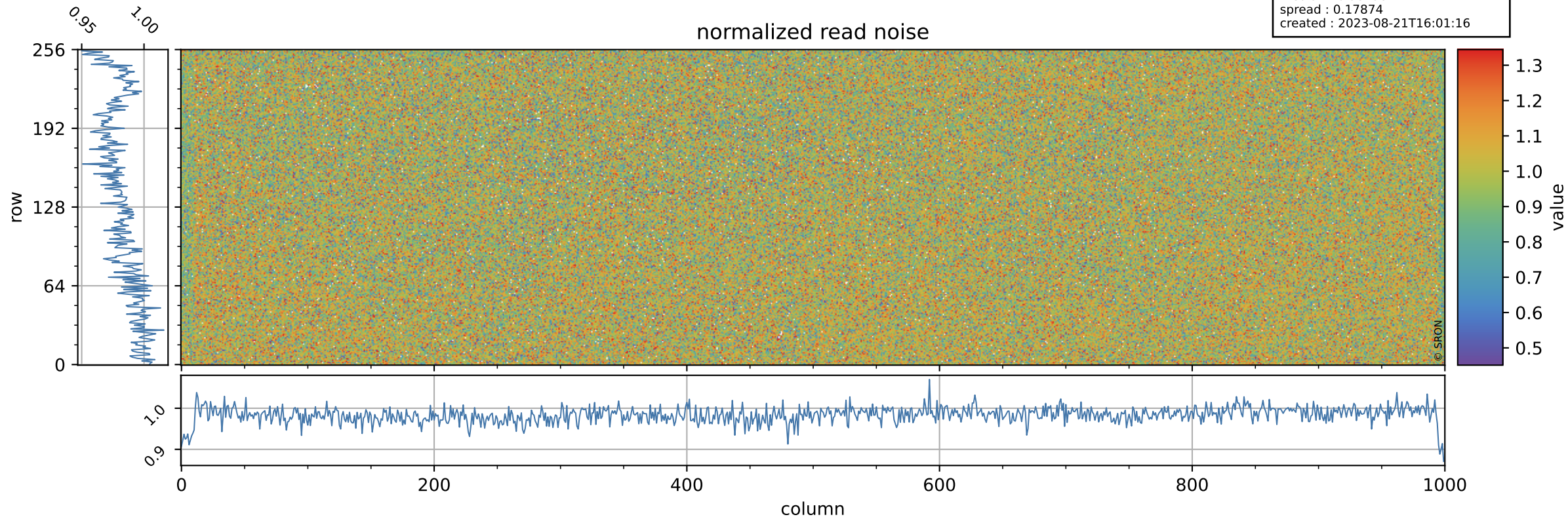
orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
median : 1.1304 e  
spread : 0.064565 e  
created : 2023-08-21T16:01:15



# Tropomi SWIR background noise (swir)

orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
median : 0.98198  
spread : 0.17874  
created : 2023-08-21T16:01:16

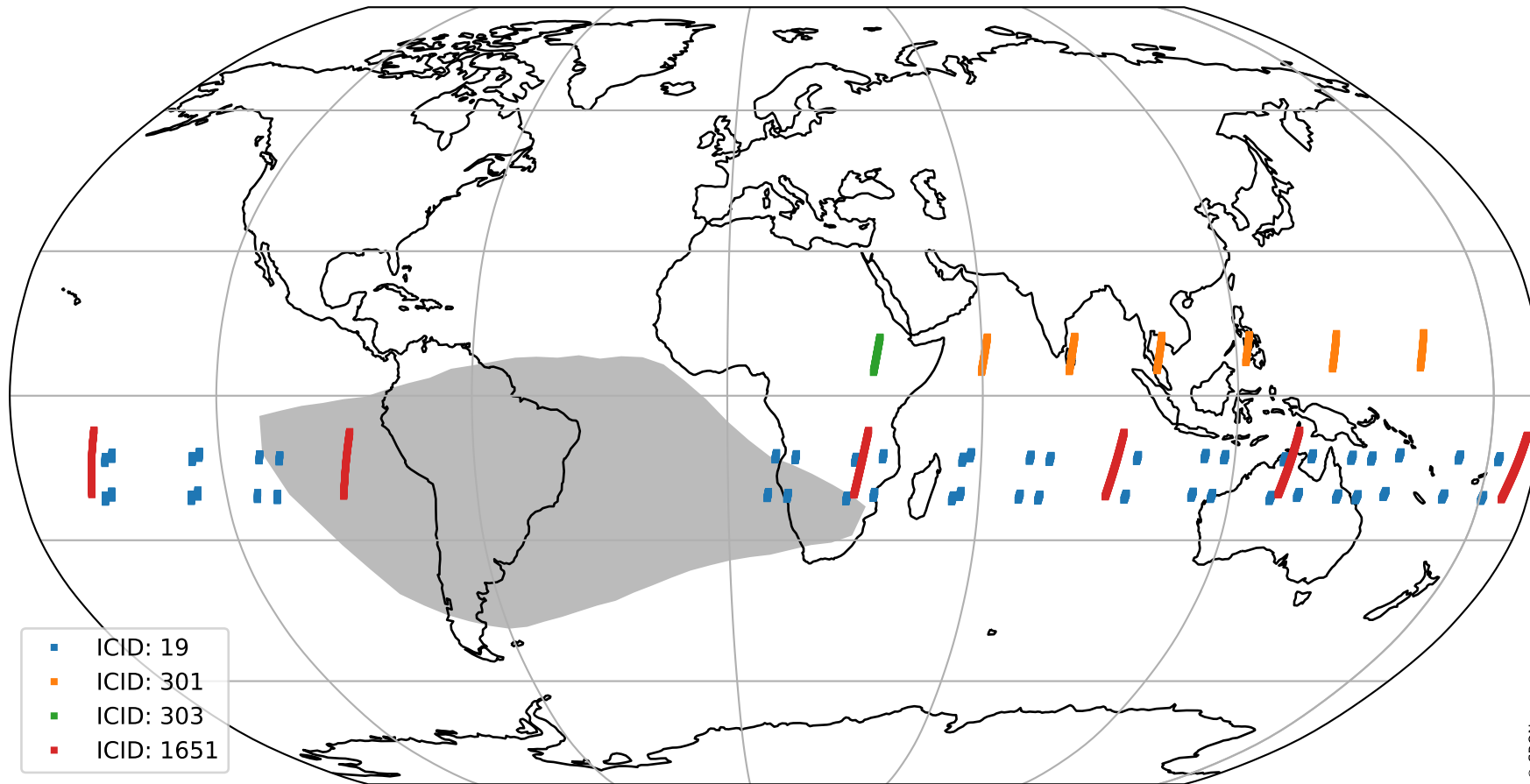
normalized read noise





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

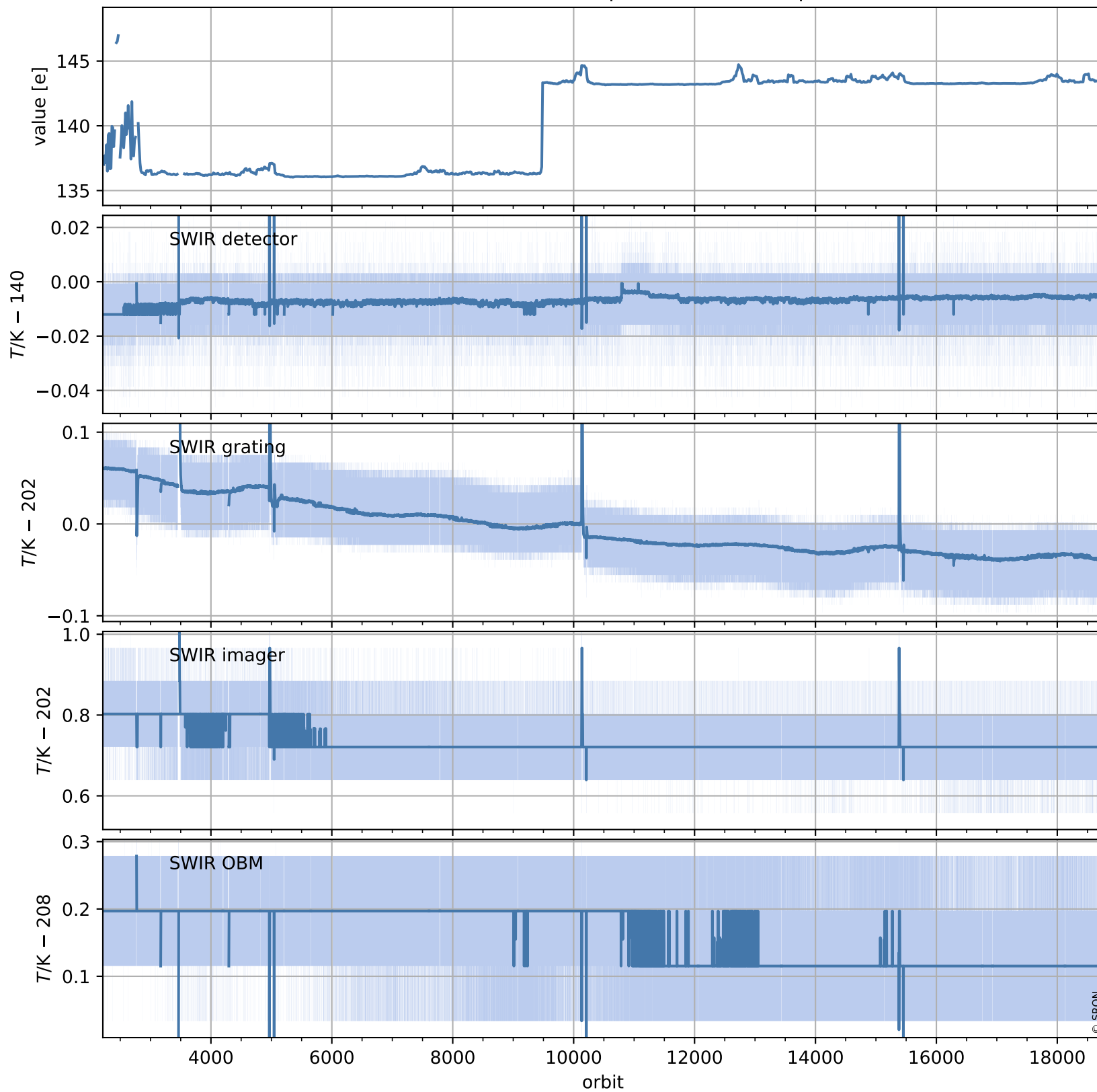
orbits : 13 in [18667, 18757]  
coverage : 2021-05-21 / 2021-05-27  
created : 2023-08-21T16:01:16



# Tropomi SWIR background noise (swir)

orbits : [2212, 18757]  
coverage : 2018-03-18 / 2021-05-27  
created : 2023-08-21T16:01:16

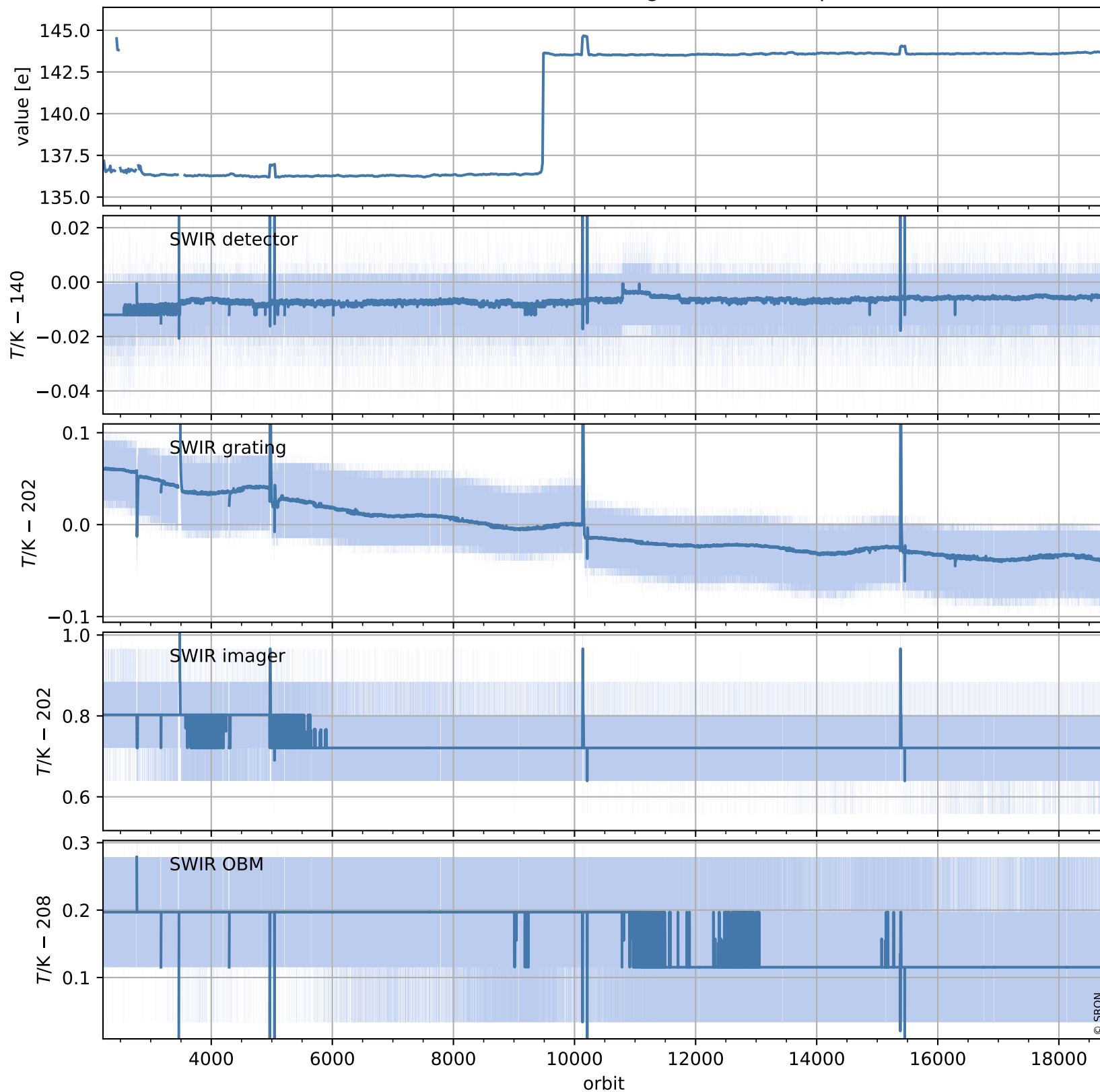
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18757]  
coverage : 2018-03-18 / 2021-05-27  
created : 2023-08-21T16:01:17

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18757]  
coverage : 2018-03-18 / 2021-05-27  
created : 2023-08-21T16:01:18

## trend of normalized read-noise & temperatures

