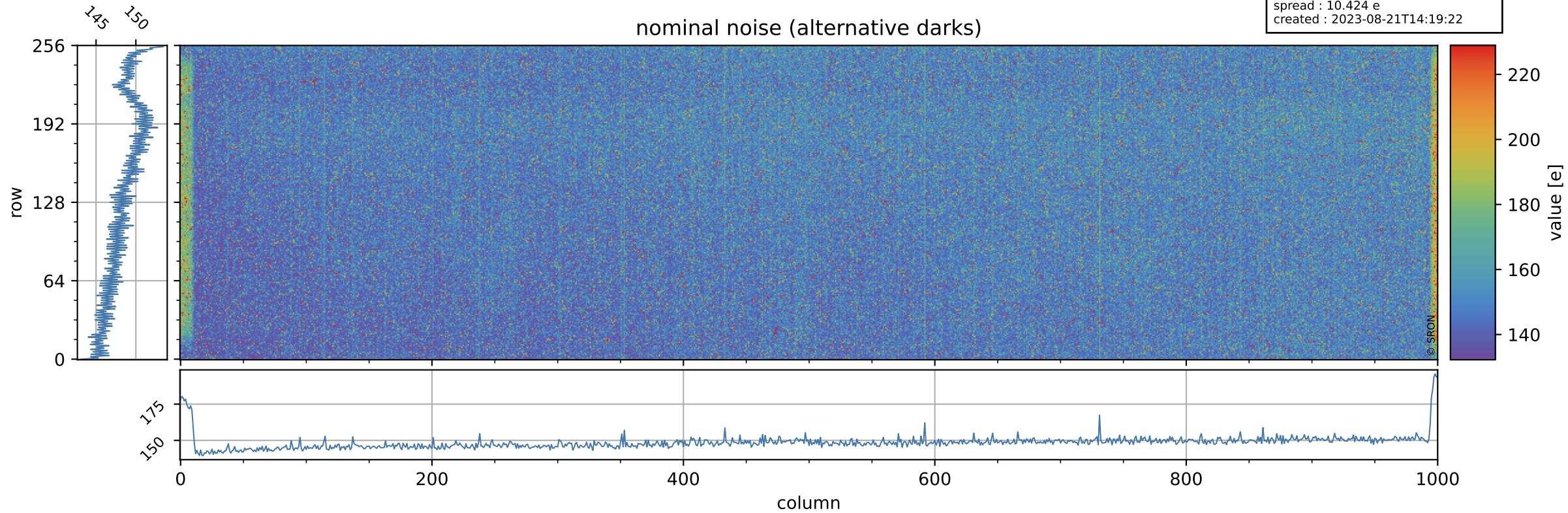


# Tropomi SWIR background noise (swir)

orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.424 e  
created : 2023-08-21T14:19:22

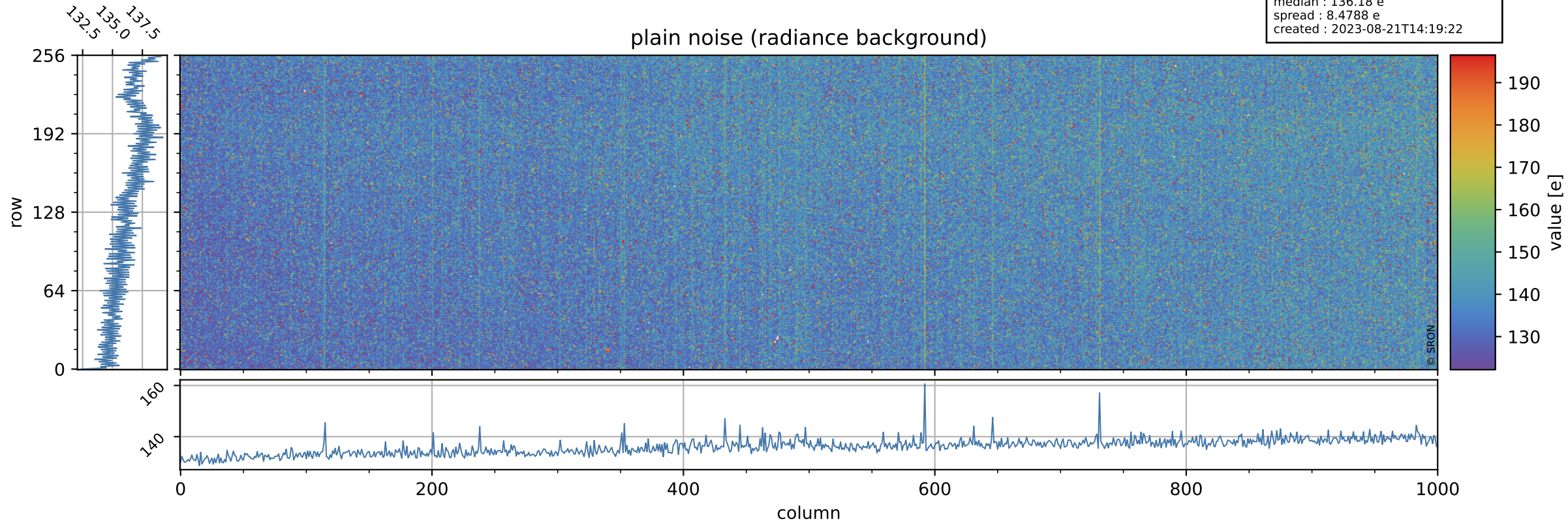
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.4788 e  
created : 2023-08-21T14:19:22

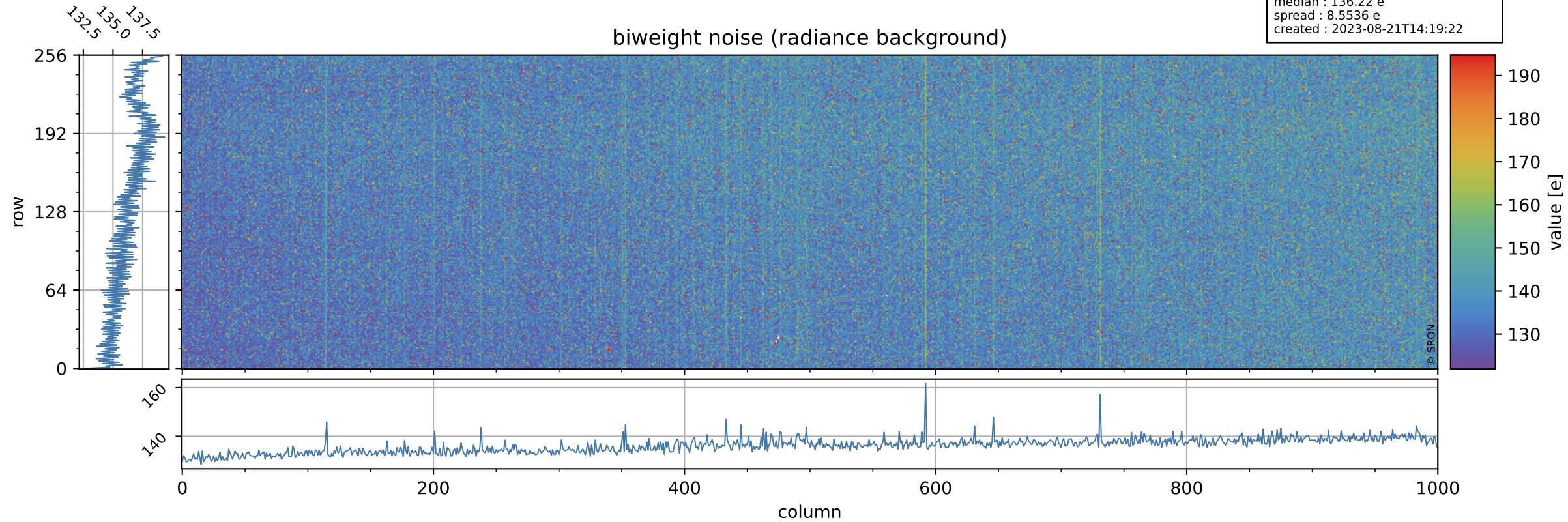
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.22 e  
spread : 8.5536 e  
created : 2023-08-21T14:19:22

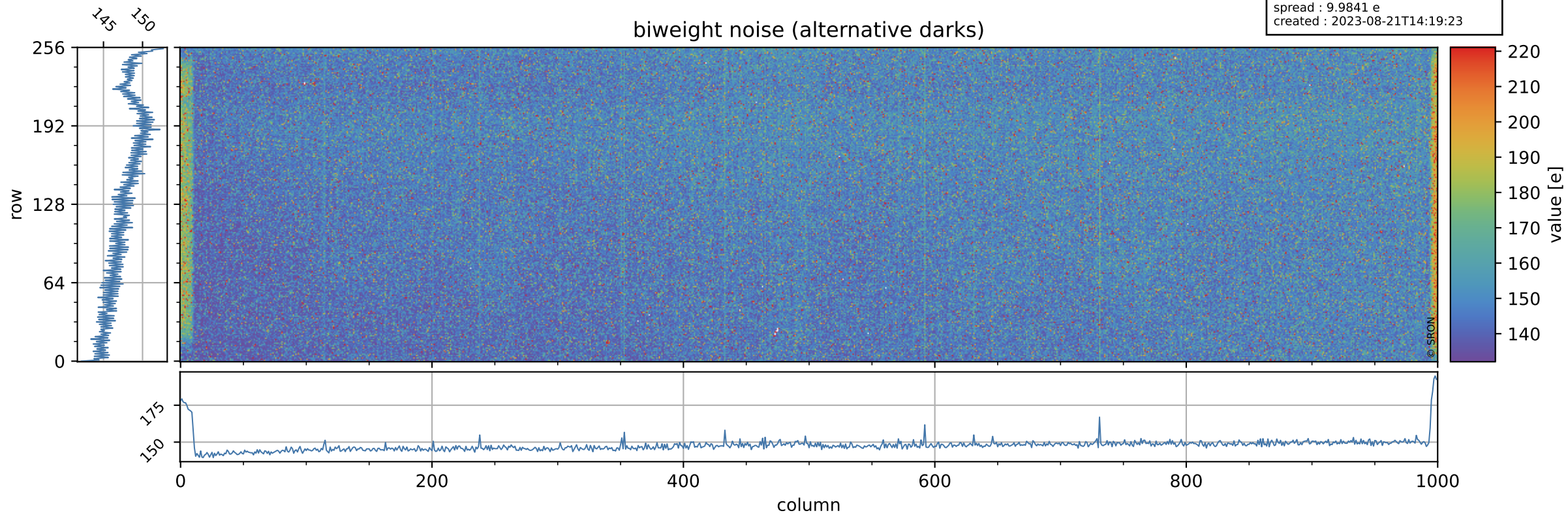
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 9.9841 e  
created : 2023-08-21T14:19:23

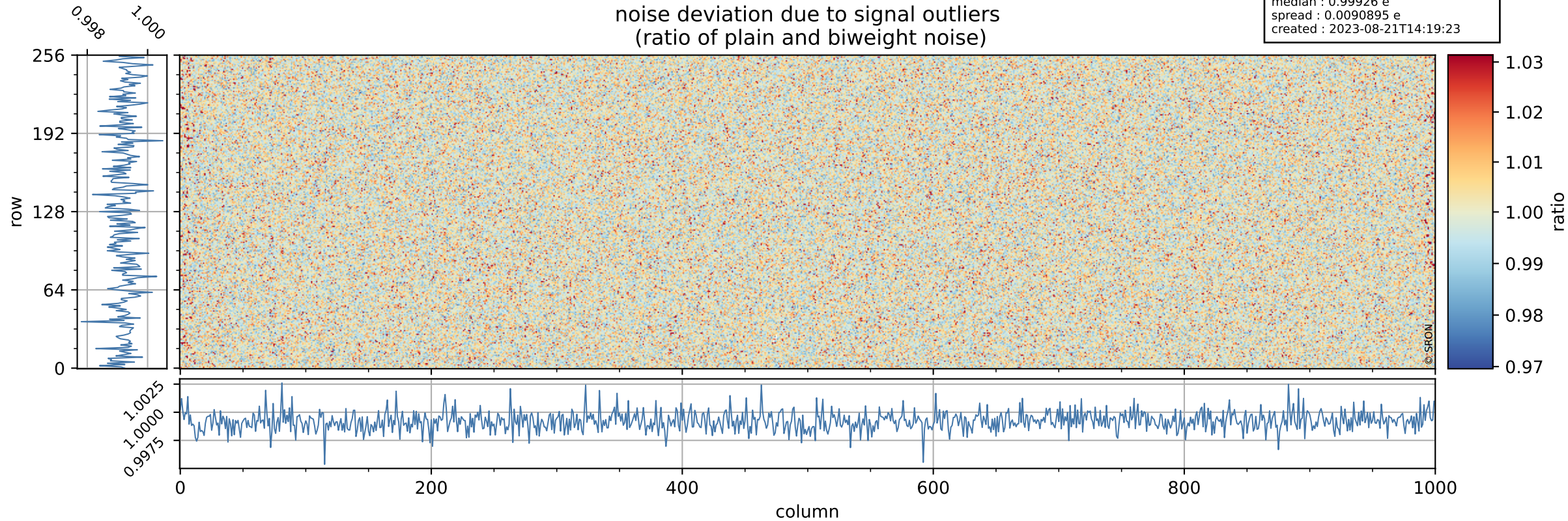
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

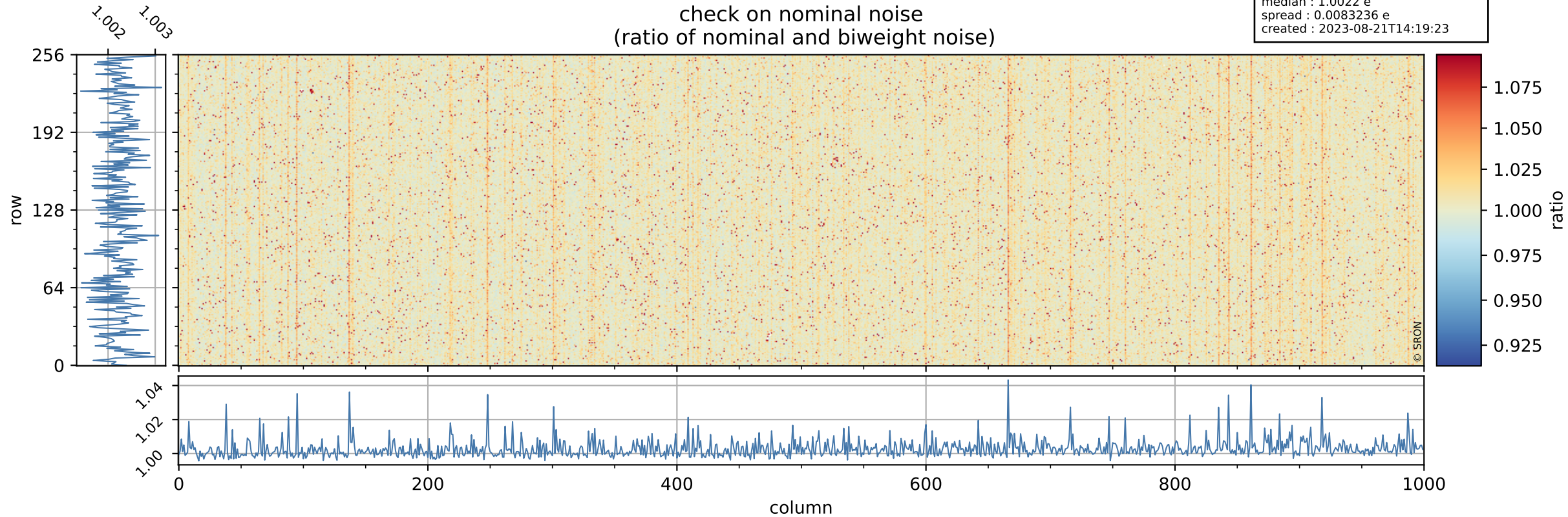
orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
median : 0.99926 e  
spread : 0.0090895 e  
created : 2023-08-21T14:19:23



# Tropomi SWIR background noise (swir)

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

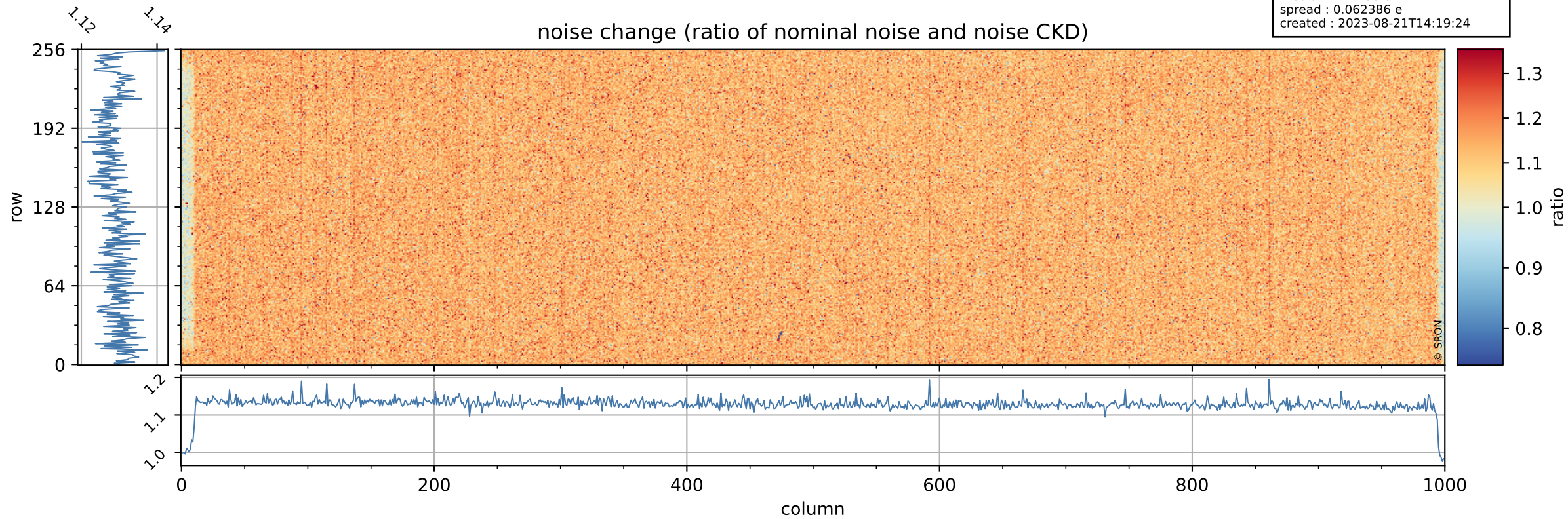
orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
median : 1.0022 e  
spread : 0.0083236 e  
created : 2023-08-21T14:19:23



# Tropomi SWIR background noise (swir)

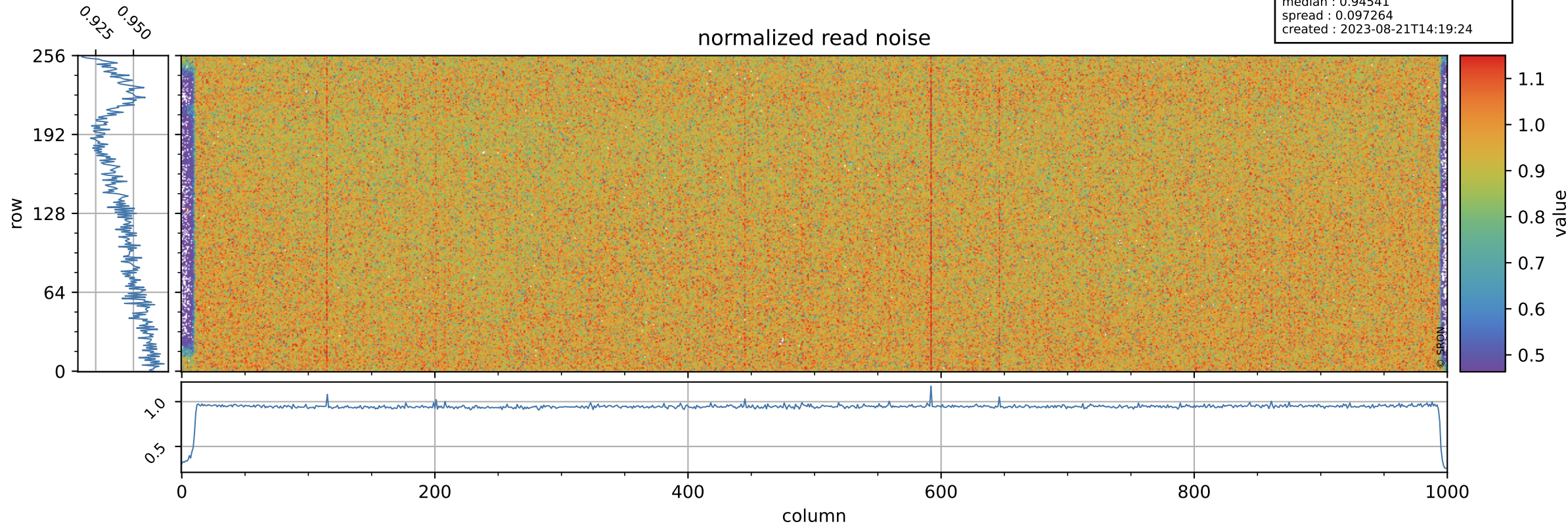
orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
median : 1.1286 e  
spread : 0.062386 e  
created : 2023-08-21T14:19:24

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

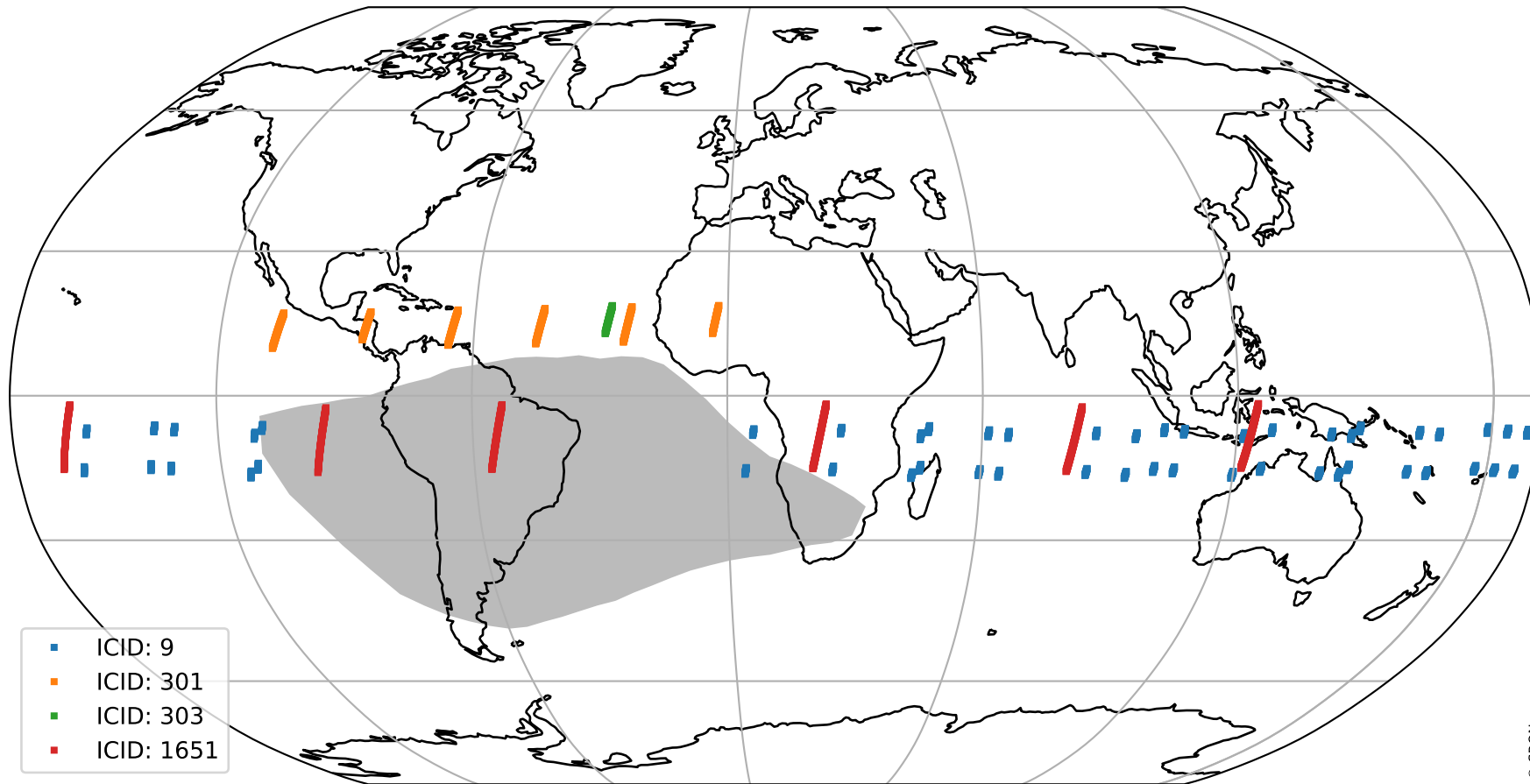
orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
median : 0.94541  
spread : 0.097264  
created : 2023-08-21T14:19:24





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

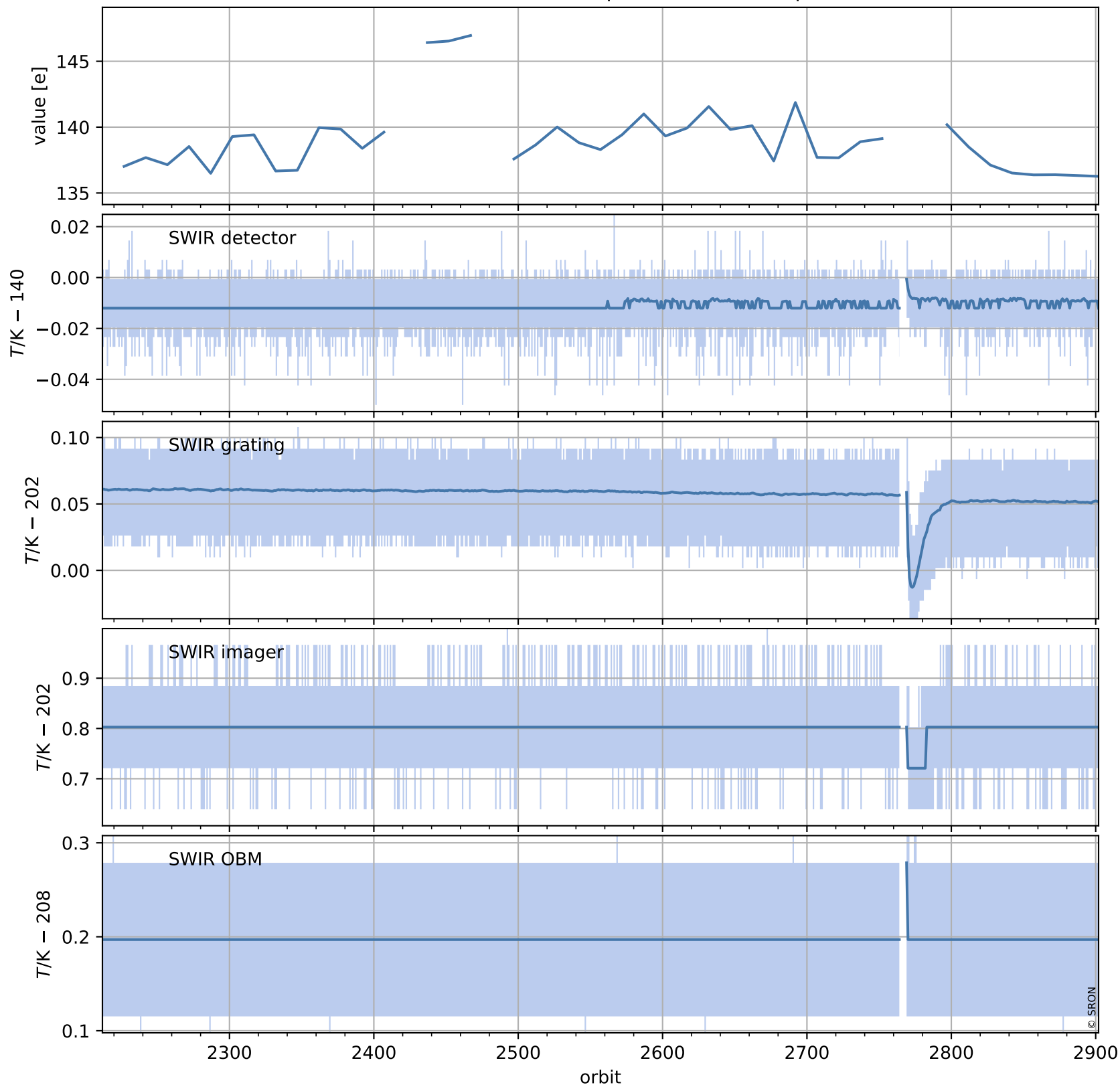
orbits : 13 in [2827, 2902]  
coverage : 2018-04-30 / 2018-05-05  
created : 2023-08-21T14:19:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 2902]  
coverage : 2018-03-18 / 2018-05-05  
created : 2023-08-21T14:19:24

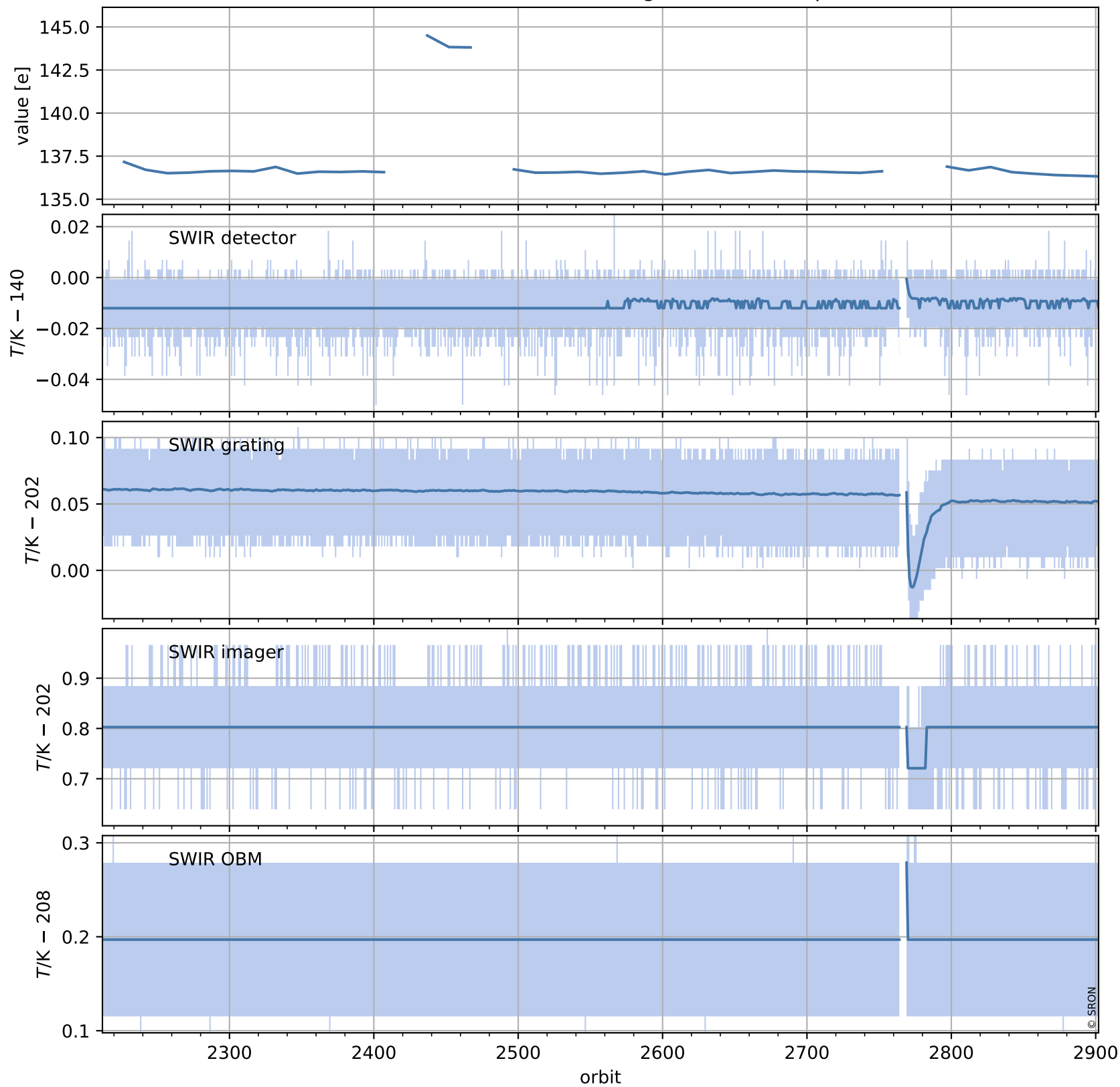
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2902]  
coverage : 2018-03-18 / 2018-05-05  
created : 2023-08-21T14:19:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2902]  
coverage : 2018-03-18 / 2018-05-05  
created : 2023-08-21T14:19:25

## trend of normalized read-noise & temperatures

