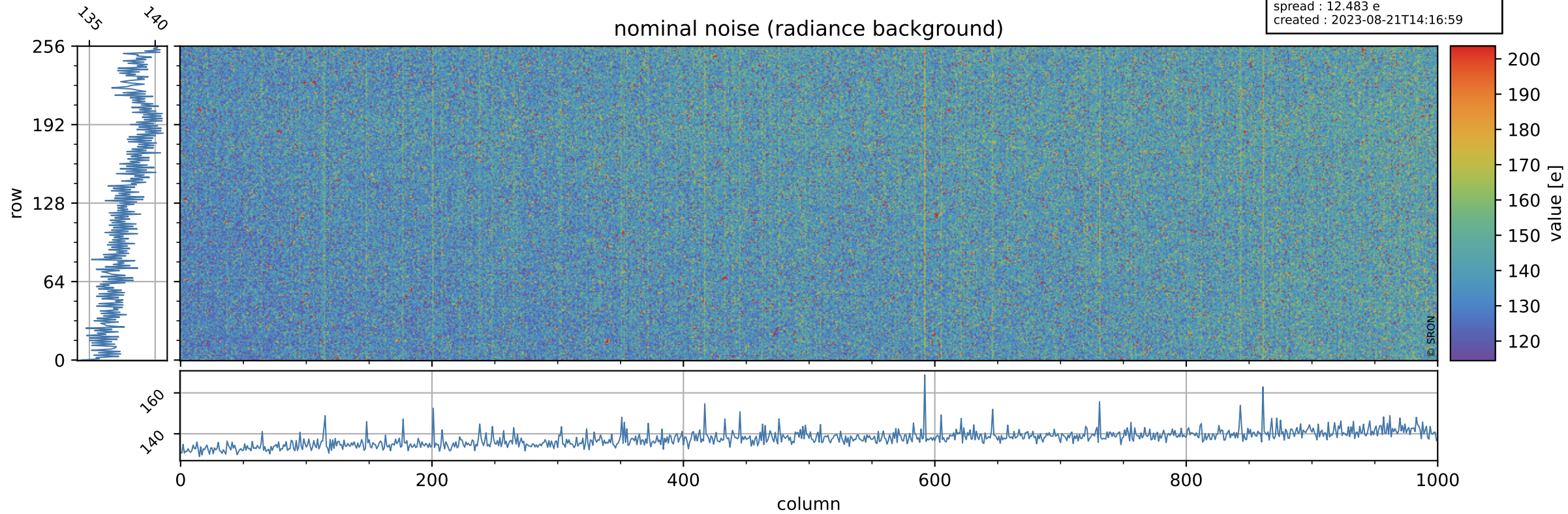


# Tropomi SWIR background noise (swir)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
n\_coad, t\_exp : 2, 0.5383  
median : 137.75 e  
spread : 12.483 e  
created : 2023-08-21T14:16:59

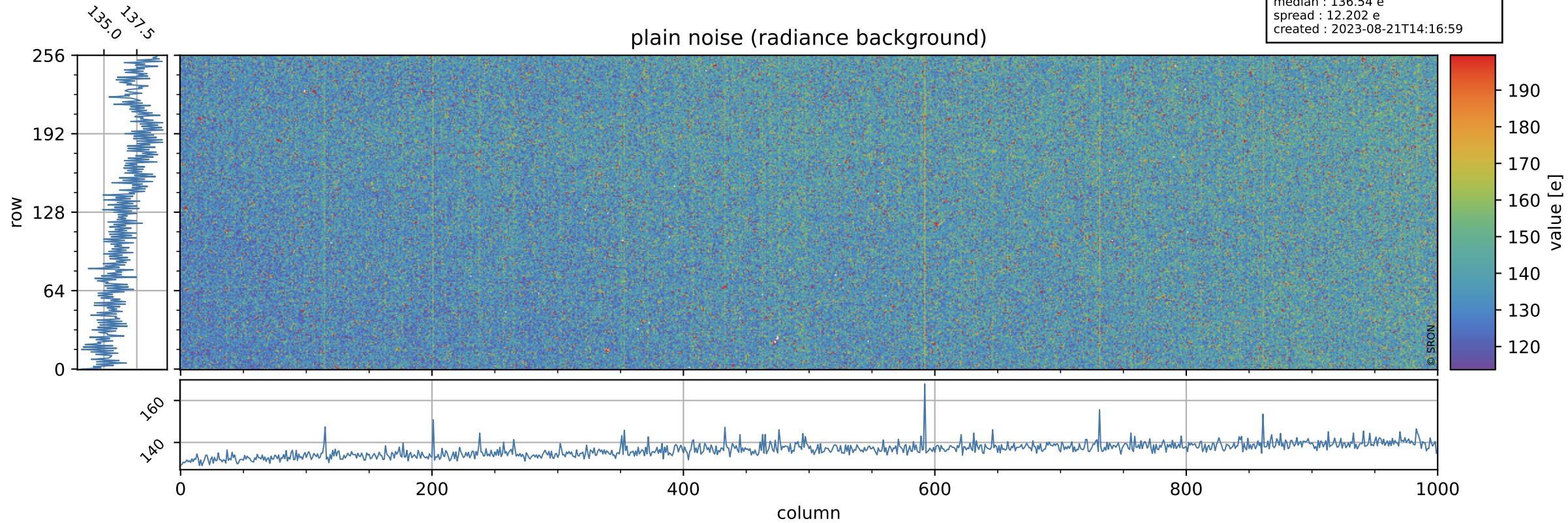
nominal noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
n\_coad, t\_exp : 2, 0.5383  
median : 136.54 e  
spread : 12.202 e  
created : 2023-08-21T14:16:59

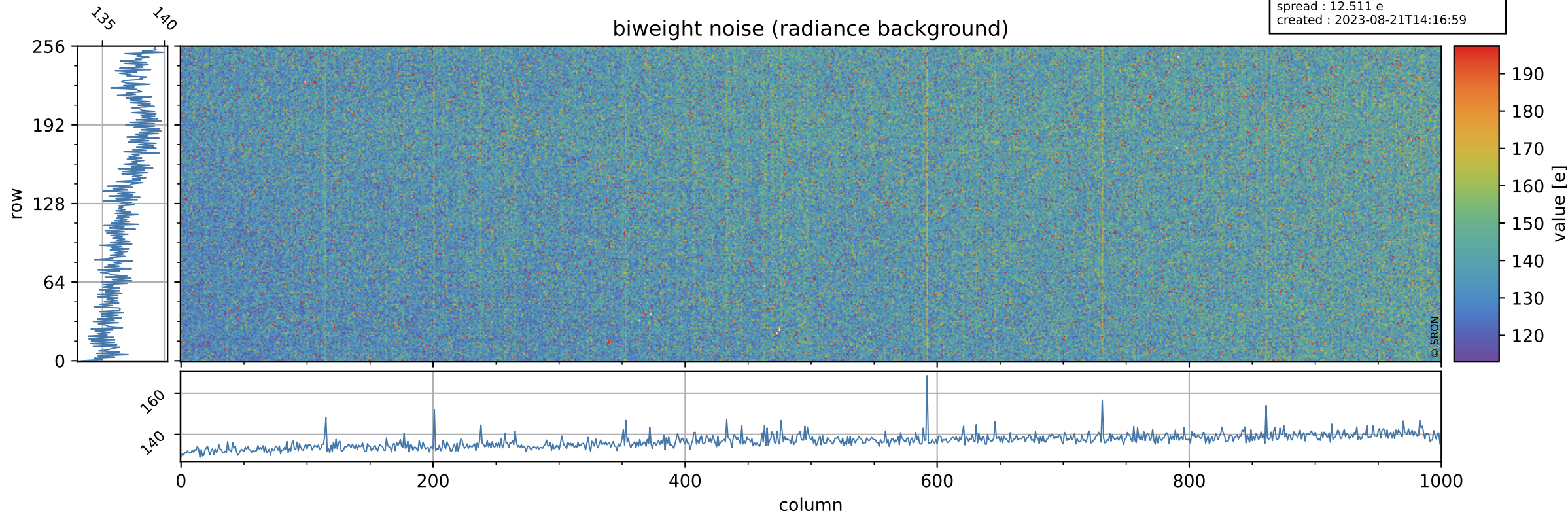
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
n\_coad, t\_exp : 2, 0.5383  
median : 136.77 e  
spread : 12.511 e  
created : 2023-08-21T14:16:59

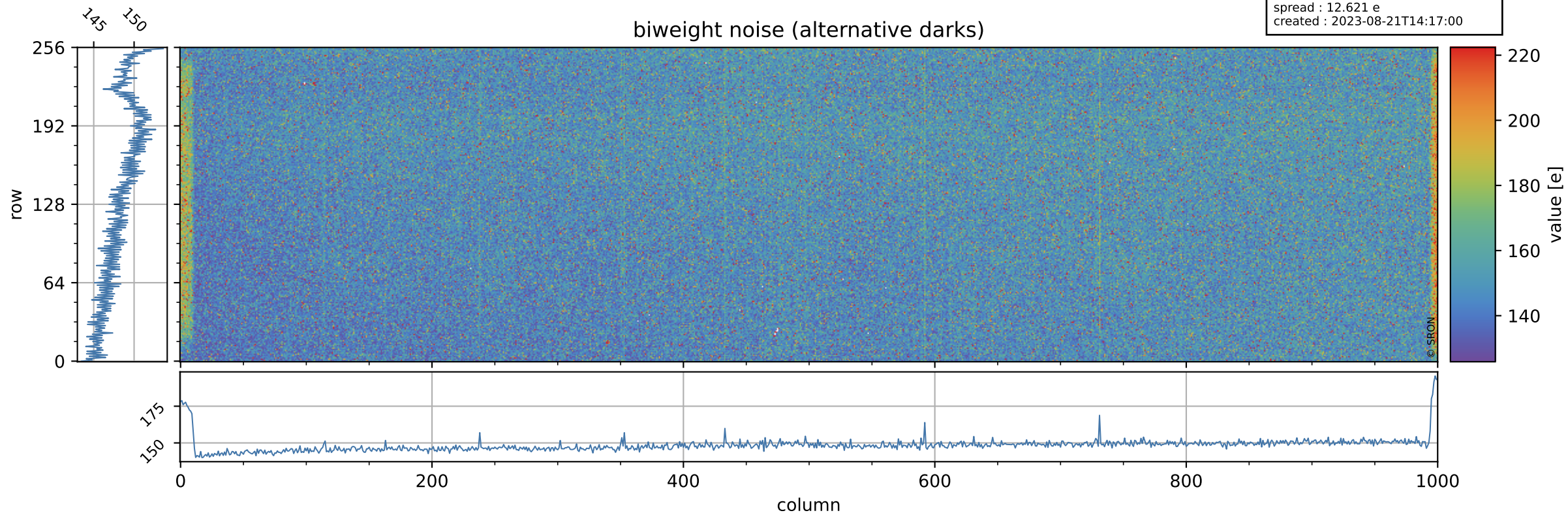
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
n\_coad, t\_exp : 1, 1.0783  
median : 148.07 e  
spread : 12.621 e  
created : 2023-08-21T14:17:00

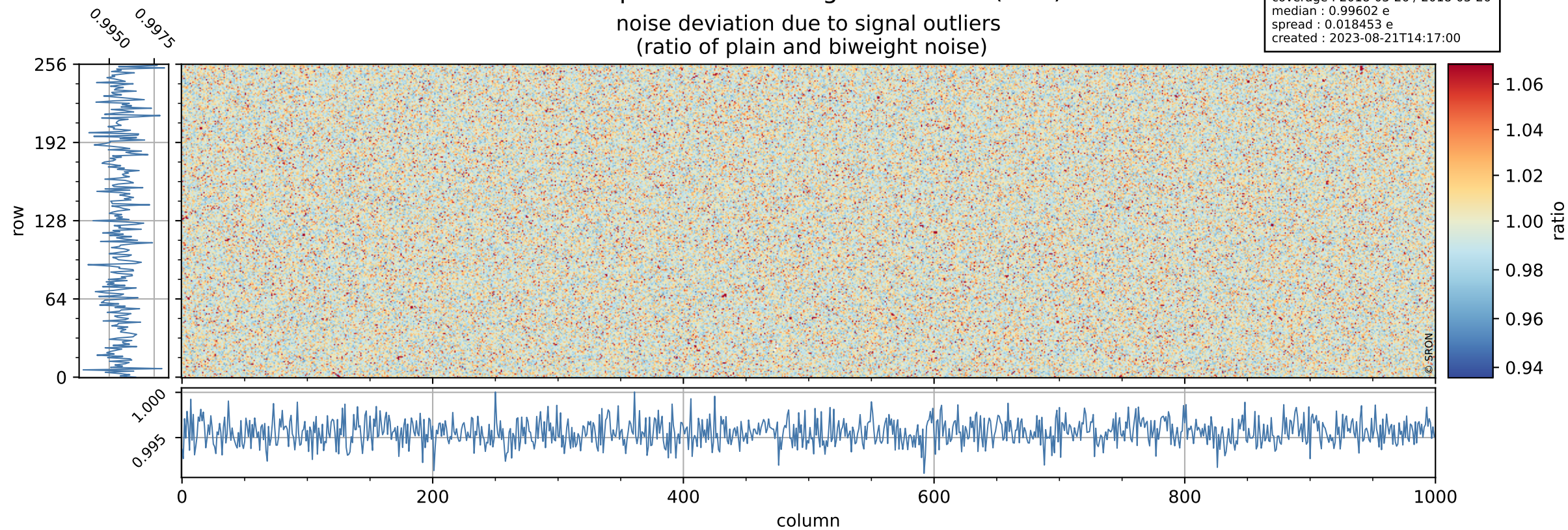
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

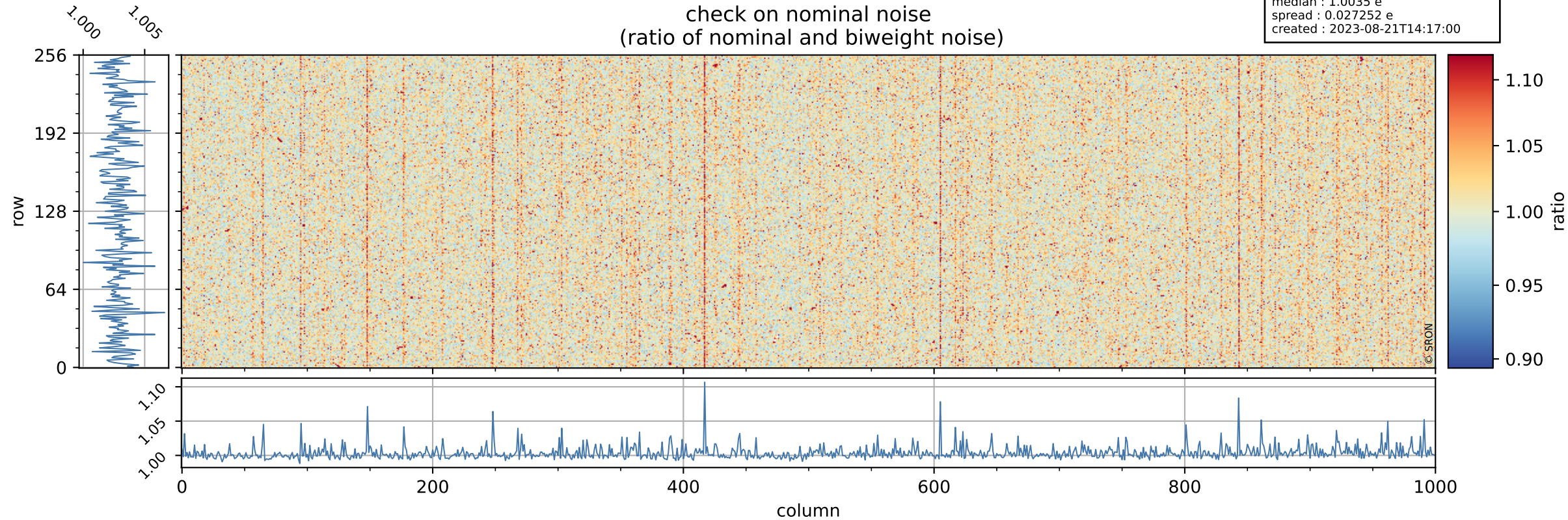
orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
median : 0.99602 e  
spread : 0.018453 e  
created : 2023-08-21T14:17:00



# Tropomi SWIR background noise (swir)

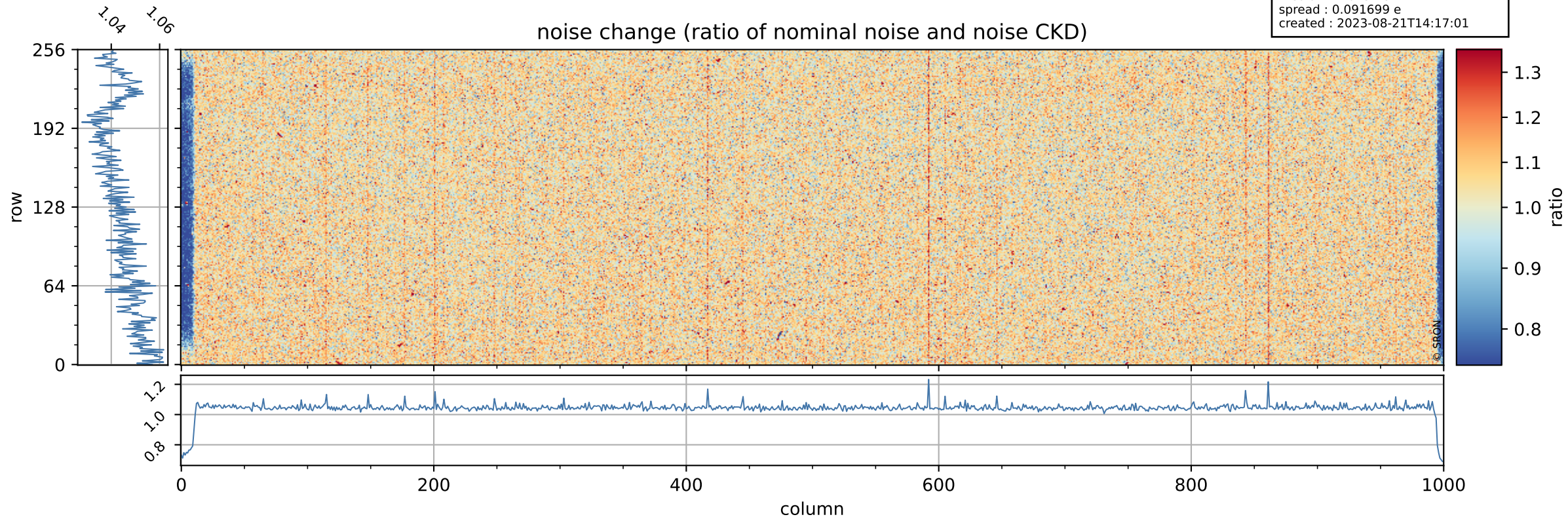
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
median : 1.0035 e  
spread : 0.027252 e  
created : 2023-08-21T14:17:00



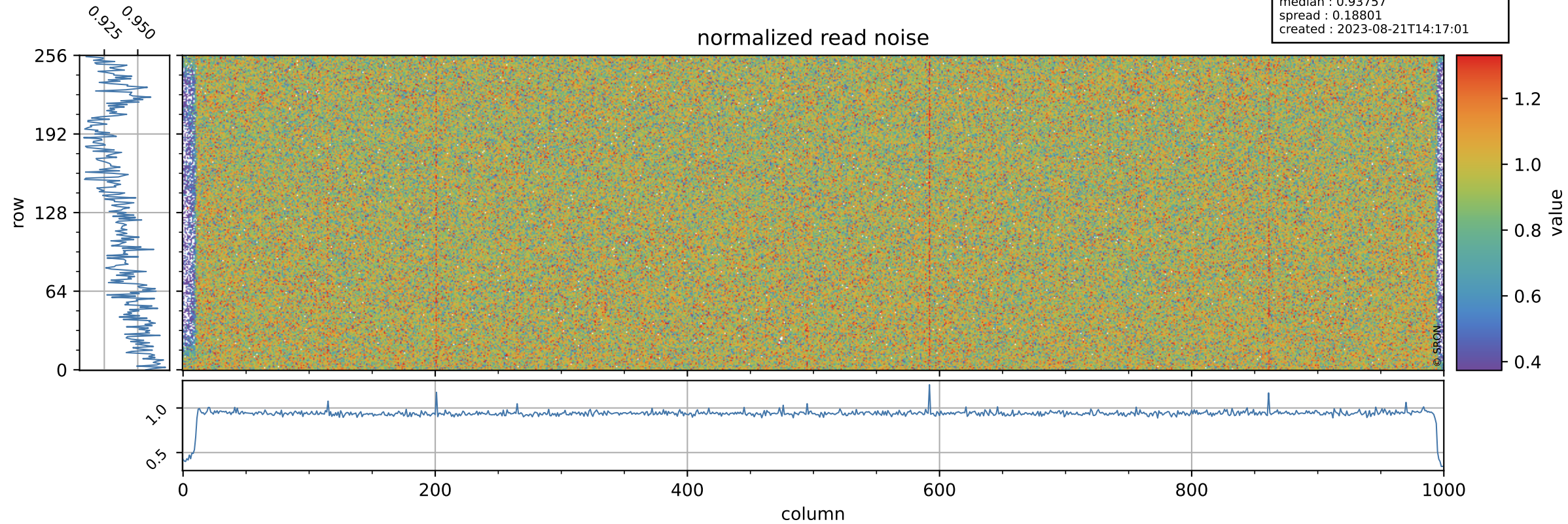
# Tropomi SWIR background noise (swir)

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
median : 1.0451 e  
spread : 0.091699 e  
created : 2023-08-21T14:17:01



# Tropomi SWIR background noise (swir)

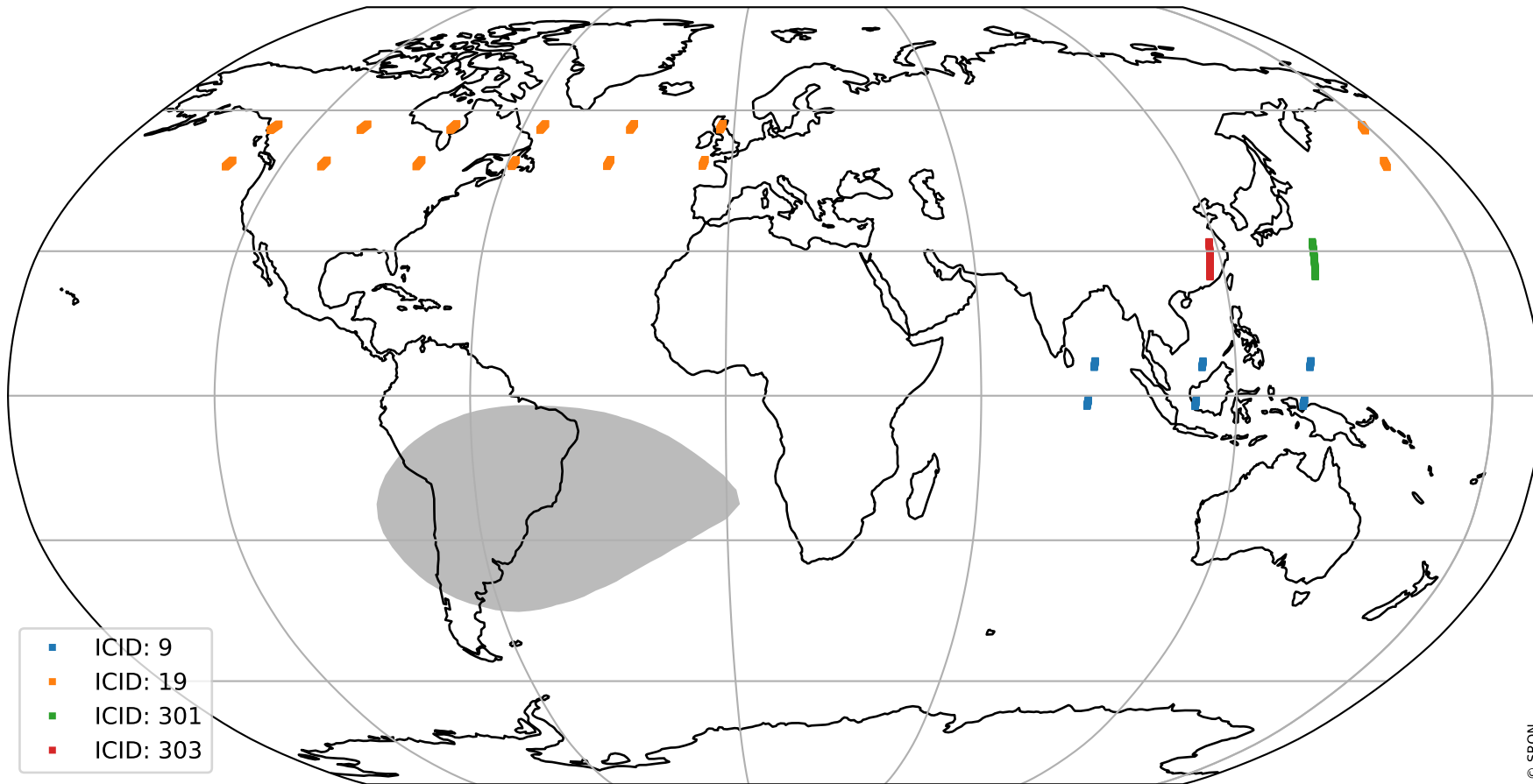
orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
median : 0.93757  
spread : 0.18801  
created : 2023-08-21T14:17:01





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

orbits : 10 in [2317, 2332]  
coverage : 2018-03-26 / 2018-03-26  
created : 2023-08-21T14:17:01

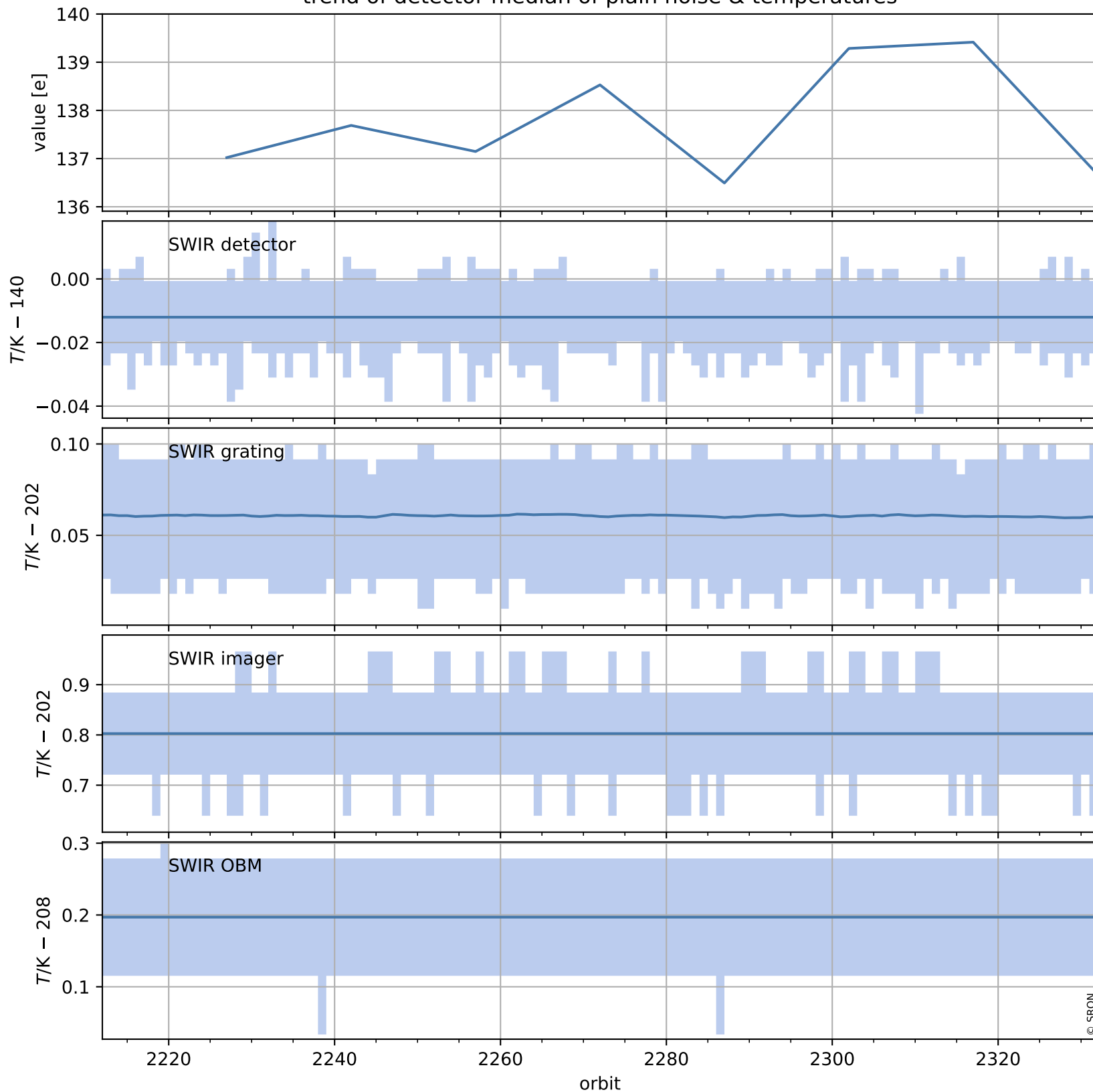


- ICID: 9
- ICID: 19
- ICID: 301
- ICID: 303

# Tropomi SWIR background noise (swir)

orbits : [2212, 2332]  
coverage : 2018-03-18 / 2018-03-26  
created : 2023-08-21T14:17:01

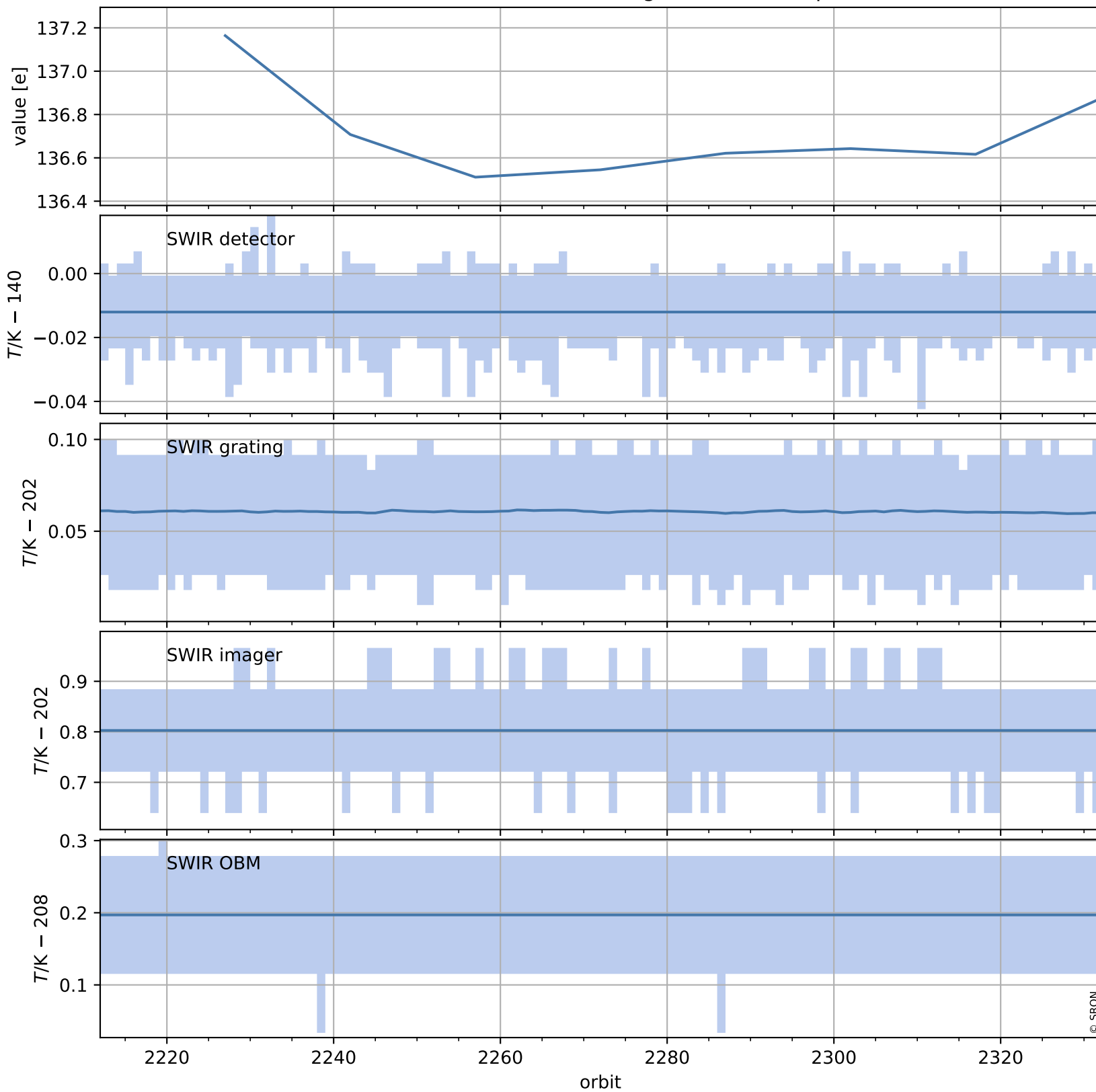
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2332]  
coverage : 2018-03-18 / 2018-03-26  
created : 2023-08-21T14:17:02

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2332]  
coverage : 2018-03-18 / 2018-03-26  
created : 2023-08-21T14:17:02

## trend of normalized read-noise & temperatures

