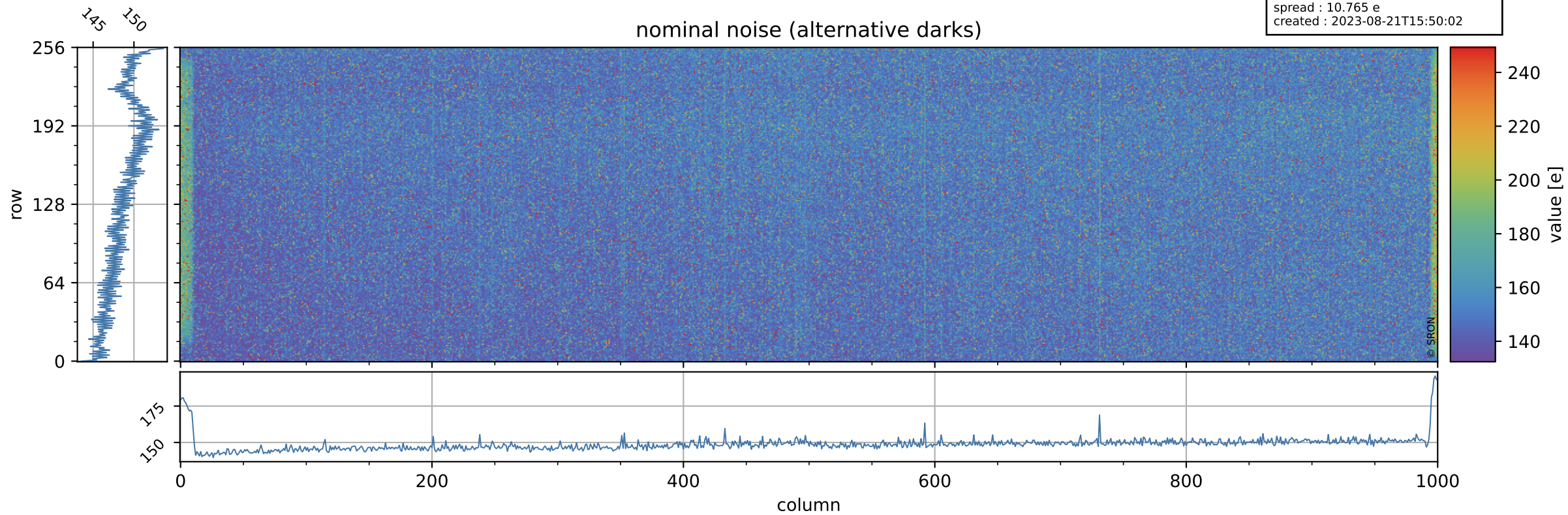


# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
n\_coad, t\_exp : 1, 1.0783  
median : 148.58 e  
spread : 10.765 e  
created : 2023-08-21T15:50:02

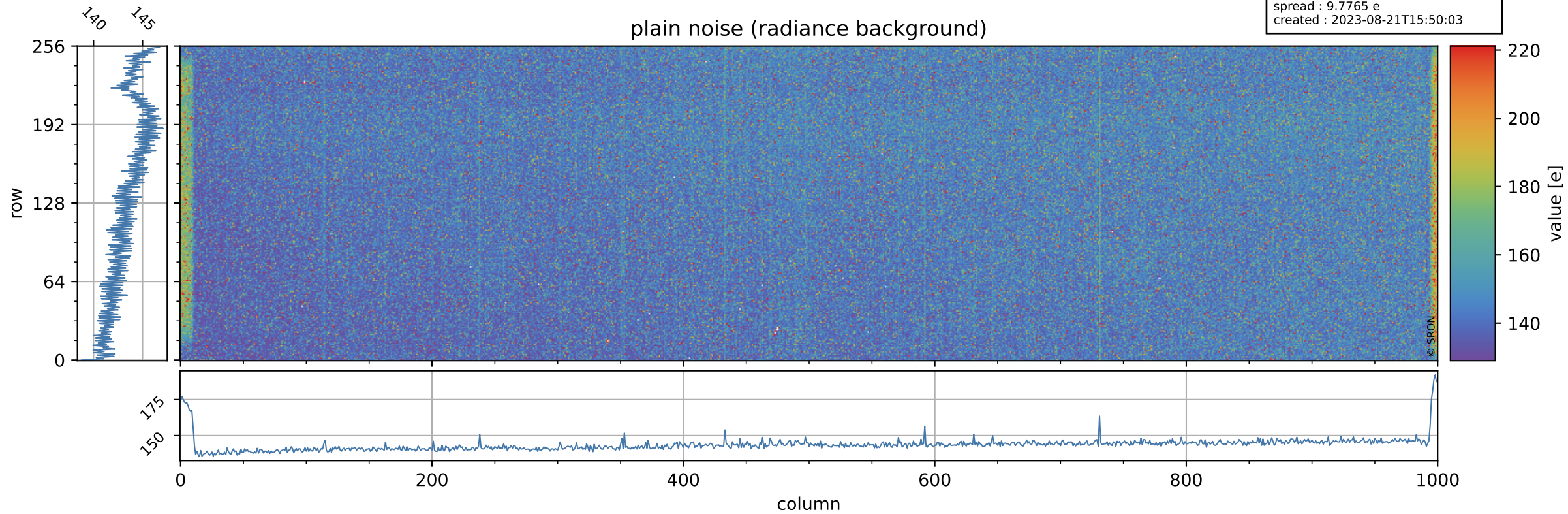
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.4 e  
spread : 9.7765 e  
created : 2023-08-21T15:50:03

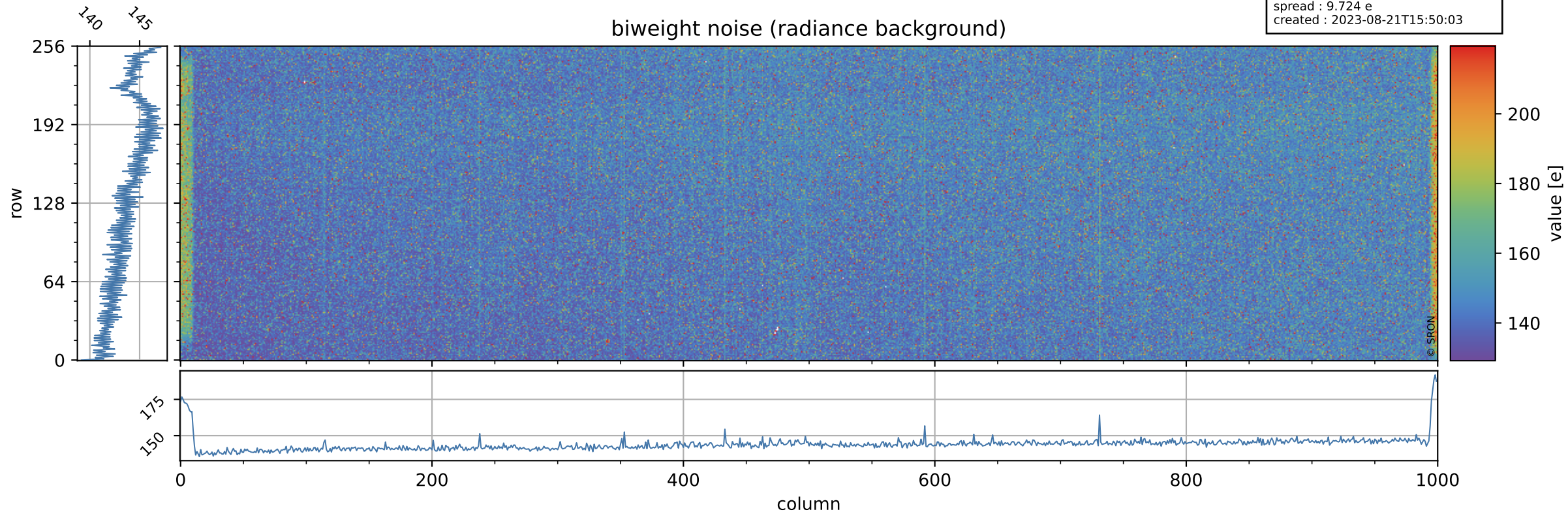
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
n\_coad, t\_exp : 1, 0.8383  
median : 143.73 e  
spread : 9.724 e  
created : 2023-08-21T15:50:03

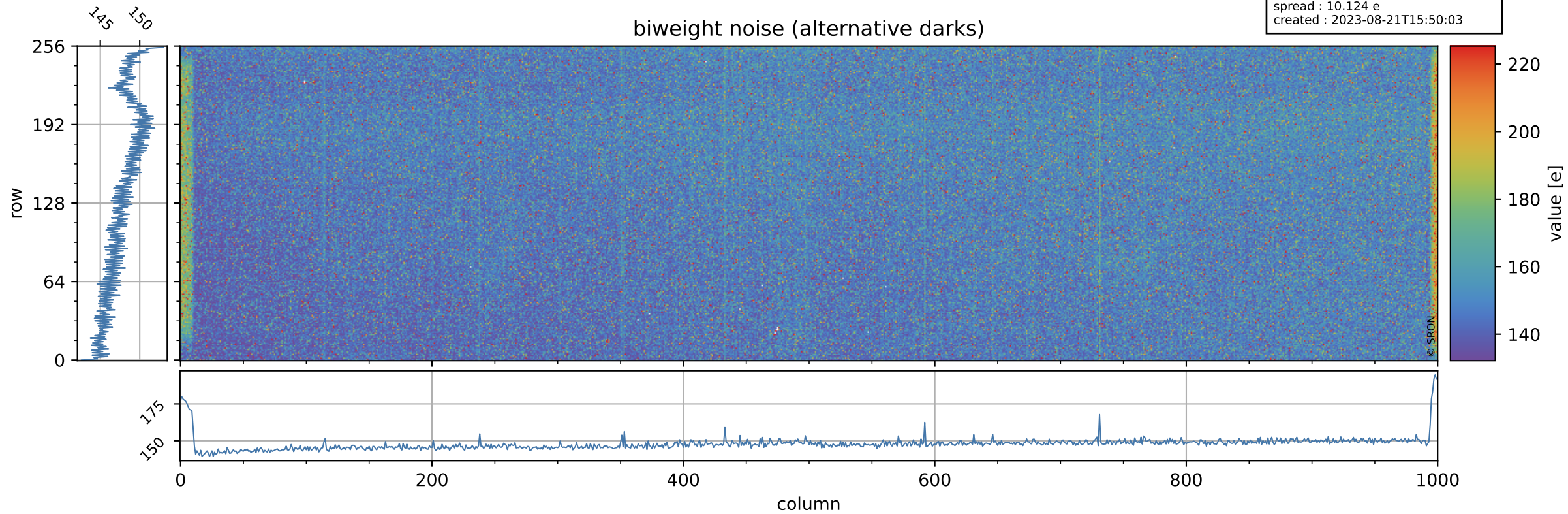
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.124 e  
created : 2023-08-21T15:50:03

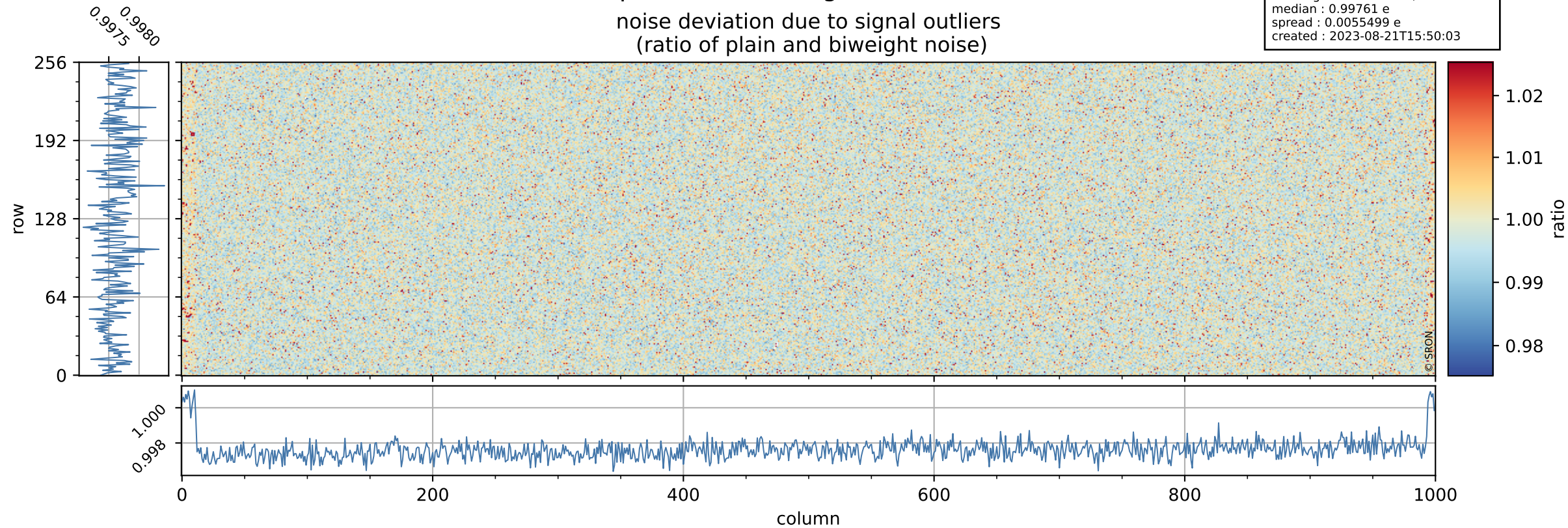
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

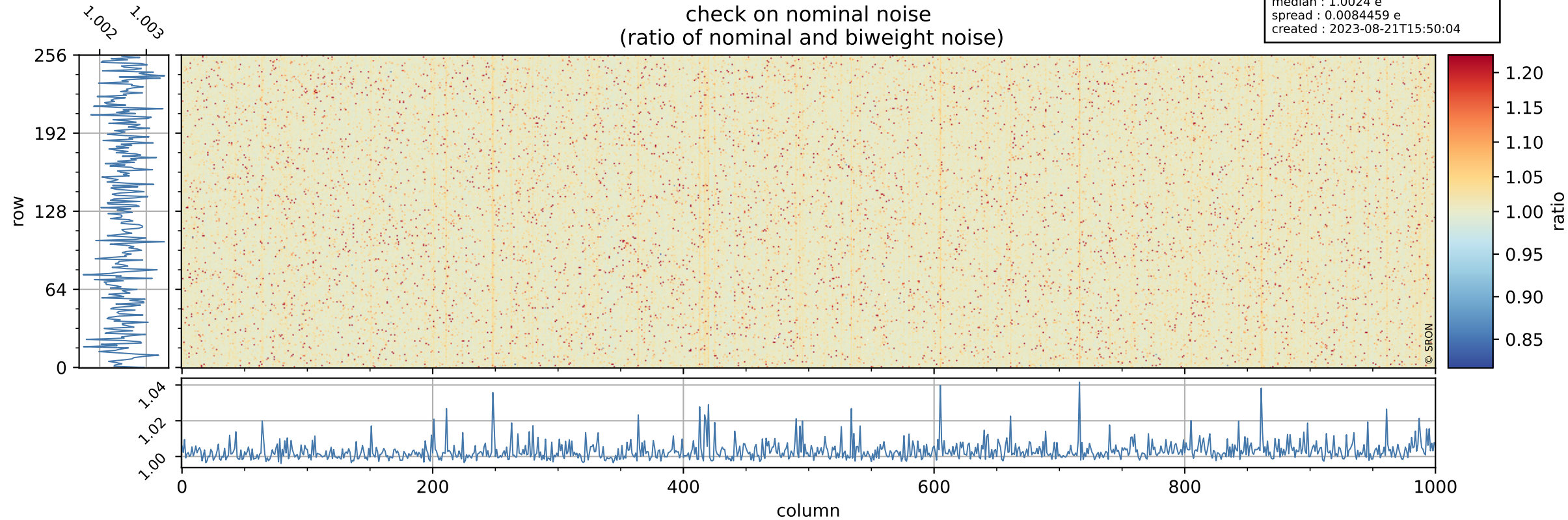
orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
median : 0.99761 e  
spread : 0.0055499 e  
created : 2023-08-21T15:50:03



# Tropomi SWIR background noise (swir)

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

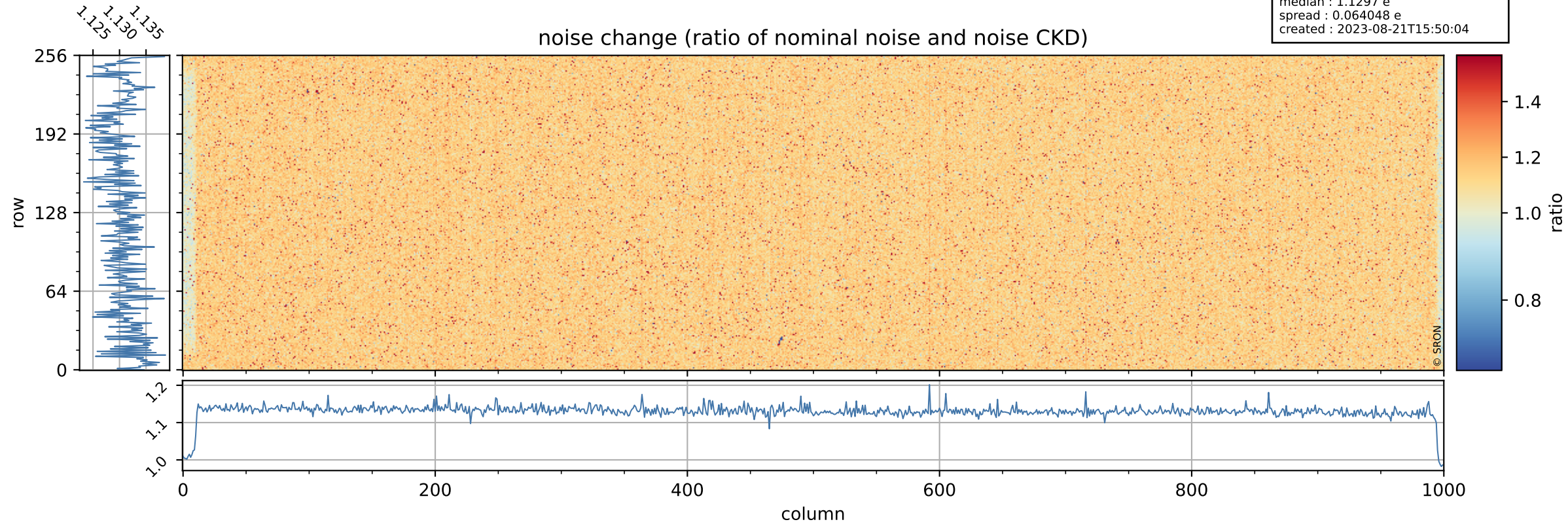
orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
median : 1.0024 e  
spread : 0.0084459 e  
created : 2023-08-21T15:50:04



# Tropomi SWIR background noise (swir)

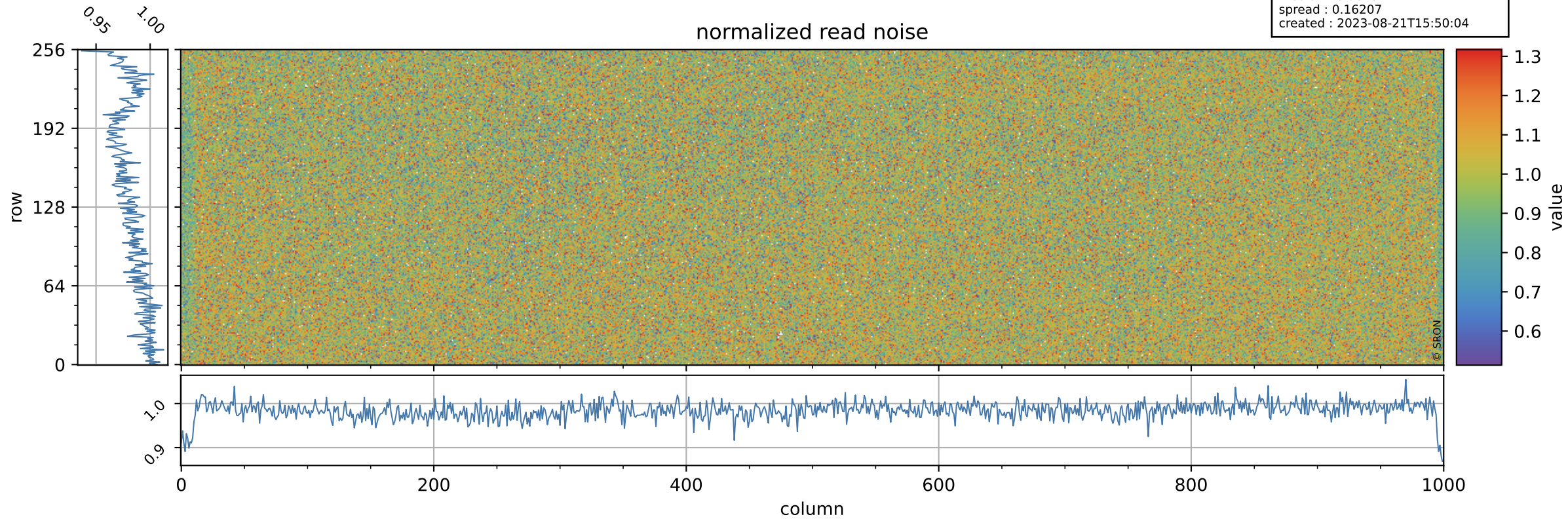
orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
median : 1.1297 e  
spread : 0.064048 e  
created : 2023-08-21T15:50:04

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

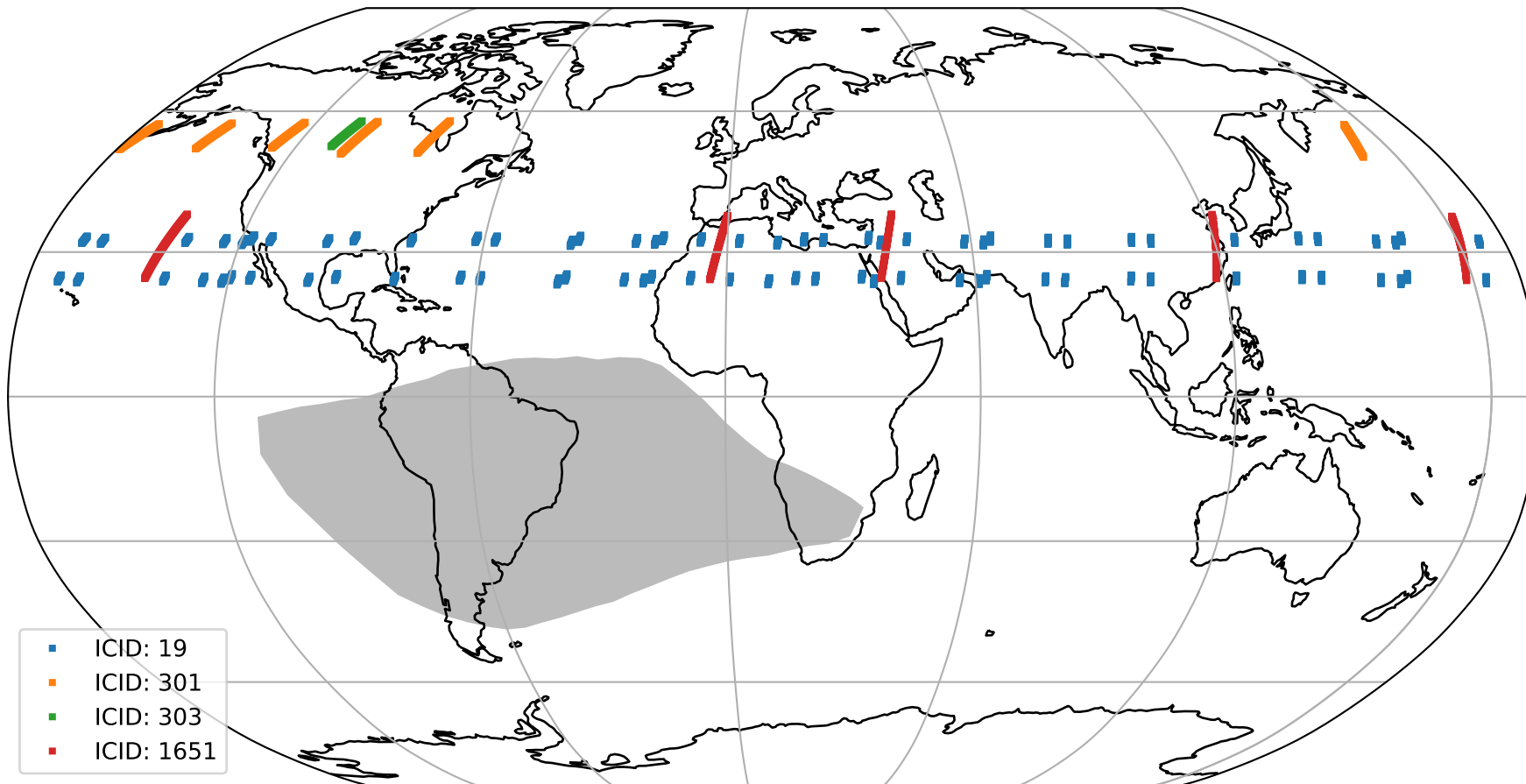
orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
median : 0.98237  
spread : 0.16207  
created : 2023-08-21T15:50:04





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

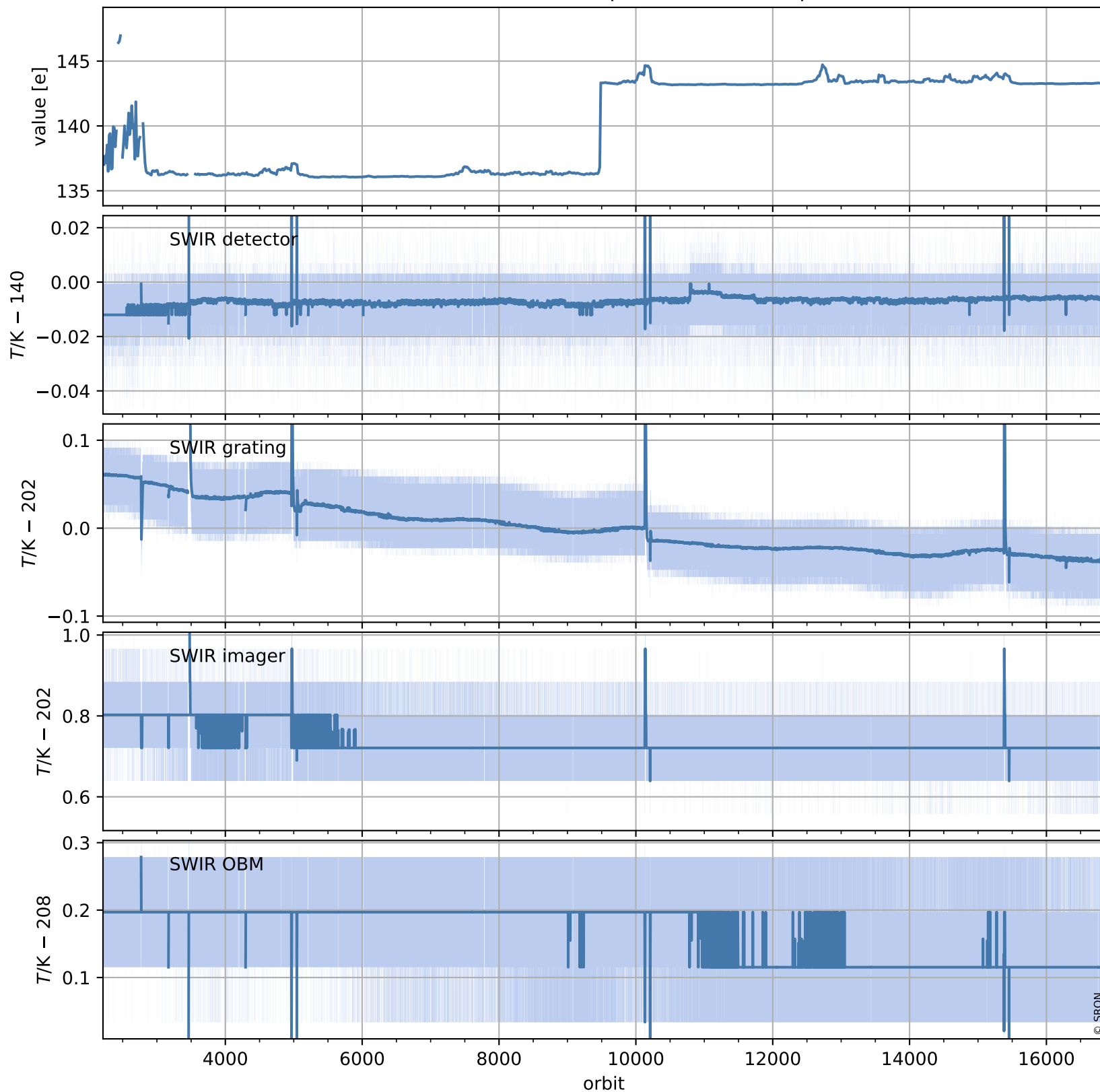
orbits : 12 in [16777, 16852]  
coverage : 2021-01-07 / 2021-01-12  
created : 2023-08-21T15:50:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 16852]  
coverage : 2018-03-18 / 2021-01-12  
created : 2023-08-21T15:50:05

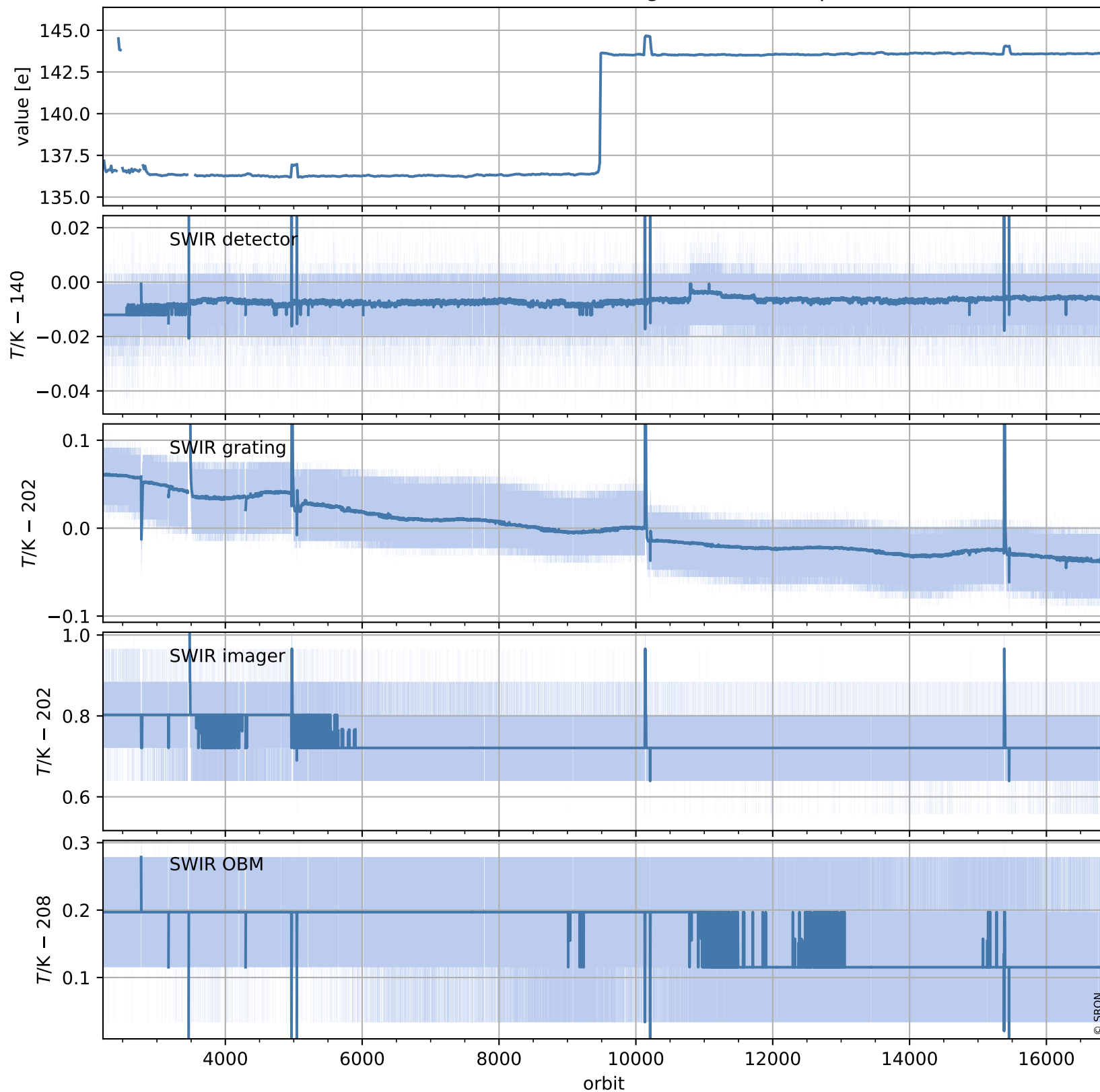
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16852]  
coverage : 2018-03-18 / 2021-01-12  
created : 2023-08-21T15:50:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16852]  
coverage : 2018-03-18 / 2021-01-12  
created : 2023-08-21T15:50:06

## trend of normalized read-noise & temperatures

