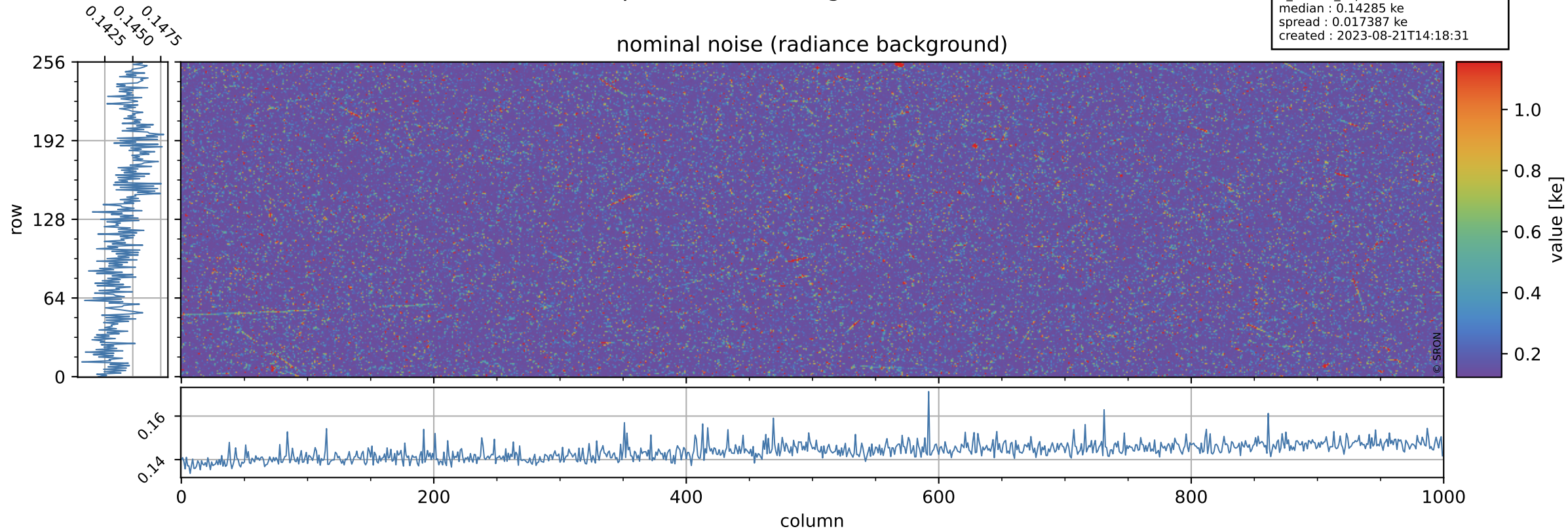


# Tropomi SWIR background noise (swir)

orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
n\_coad, t\_exp : 2, 0.5383  
median : 0.14285 ke  
spread : 0.017387 ke  
created : 2023-08-21T14:18:31

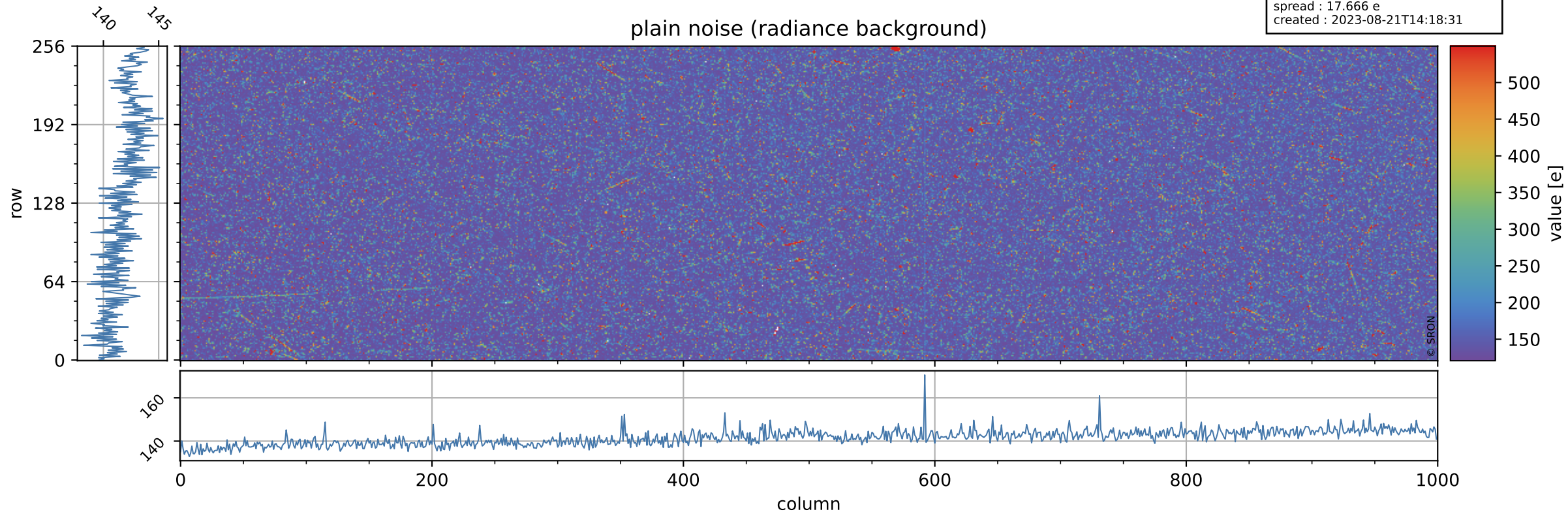
nominal noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
n\_coad, t\_exp : 2, 0.5383  
median : 141.1 e  
spread : 17.666 e  
created : 2023-08-21T14:18:31

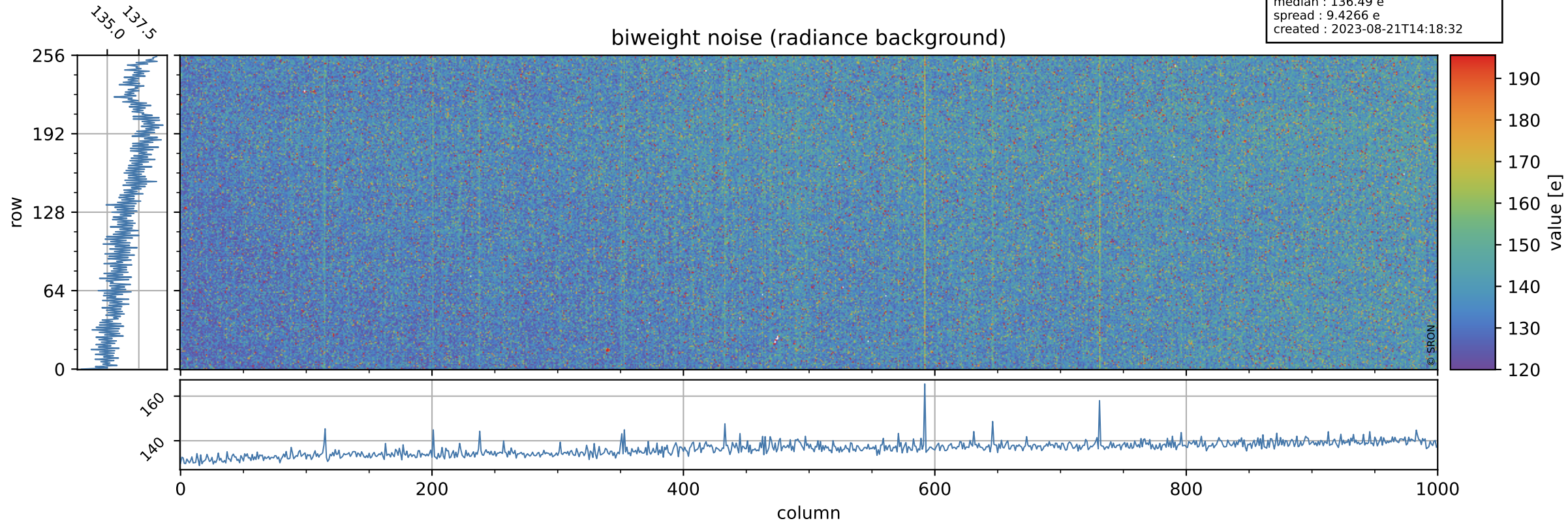
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.49 e  
spread : 9.4266 e  
created : 2023-08-21T14:18:32

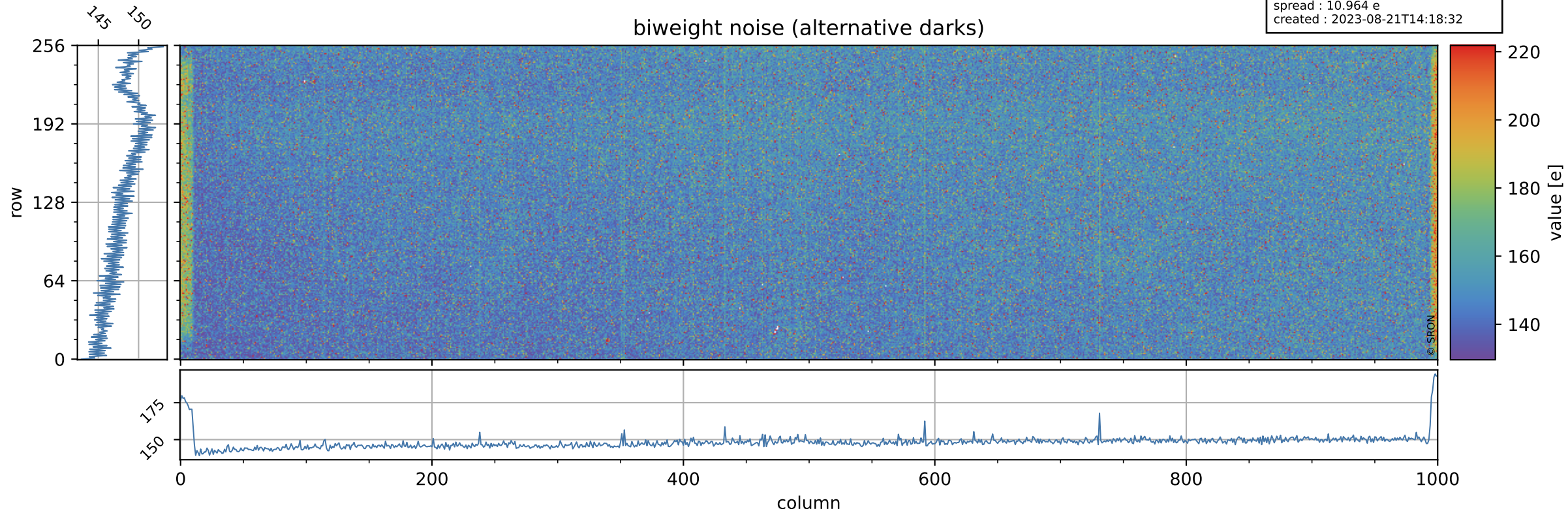
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.88 e  
spread : 10.964 e  
created : 2023-08-21T14:18:32

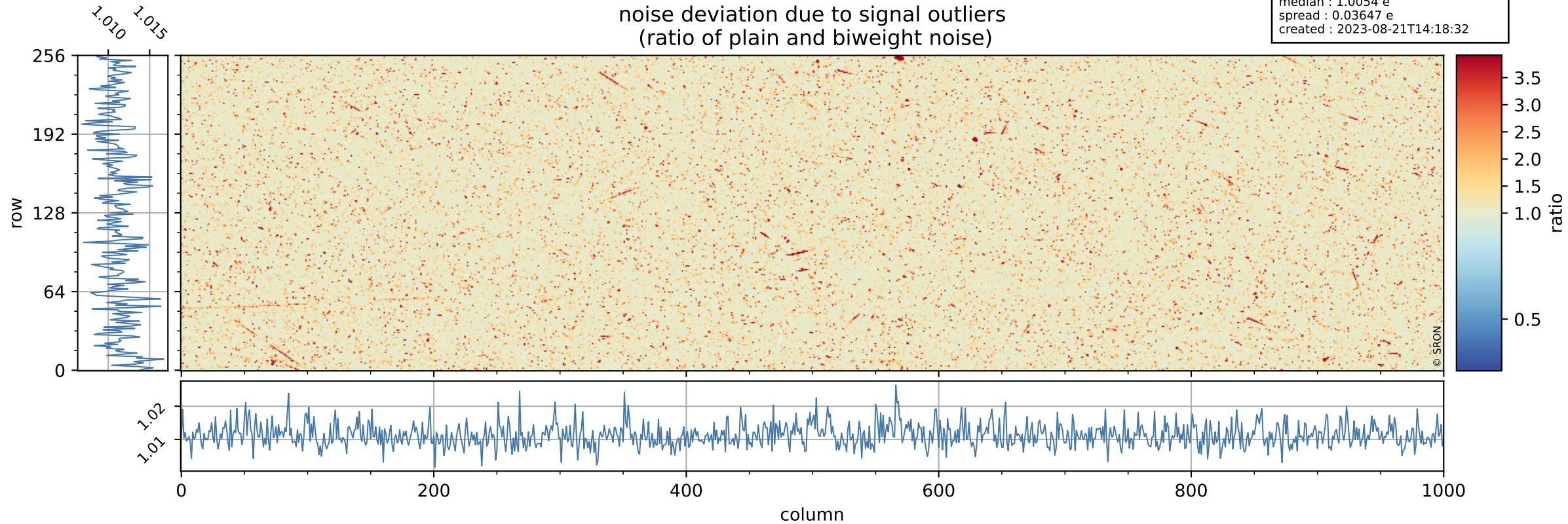
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

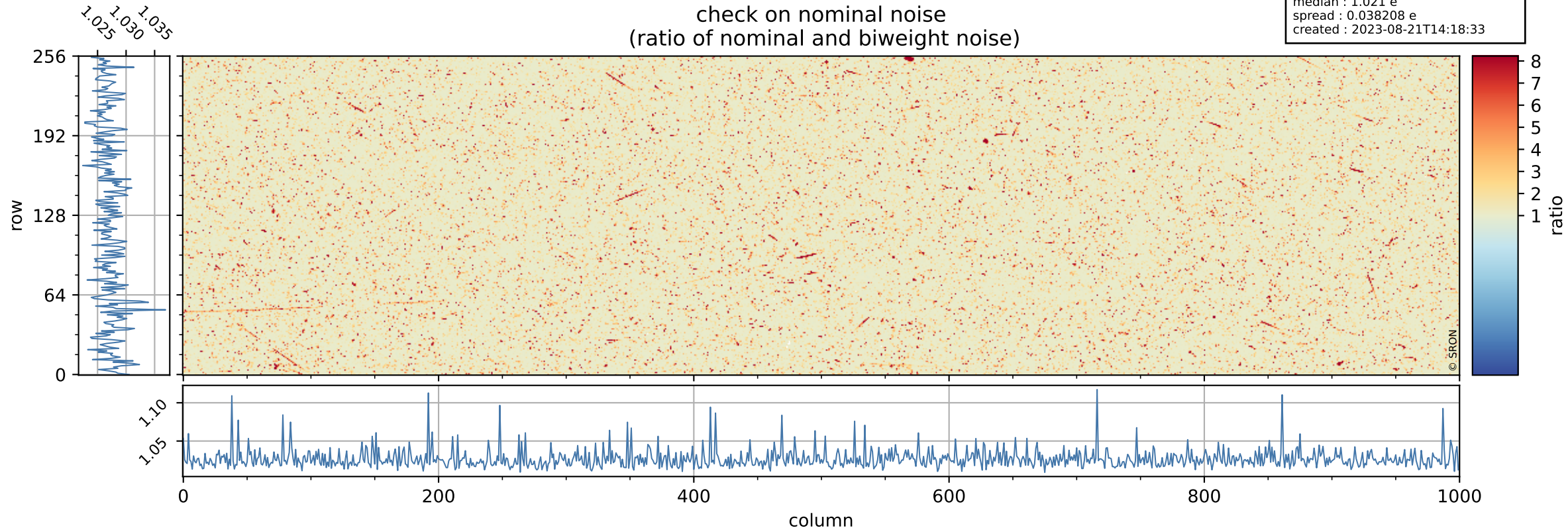
orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
median : 1.0054 e  
spread : 0.03647 e  
created : 2023-08-21T14:18:32



# Tropomi SWIR background noise (swir)

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

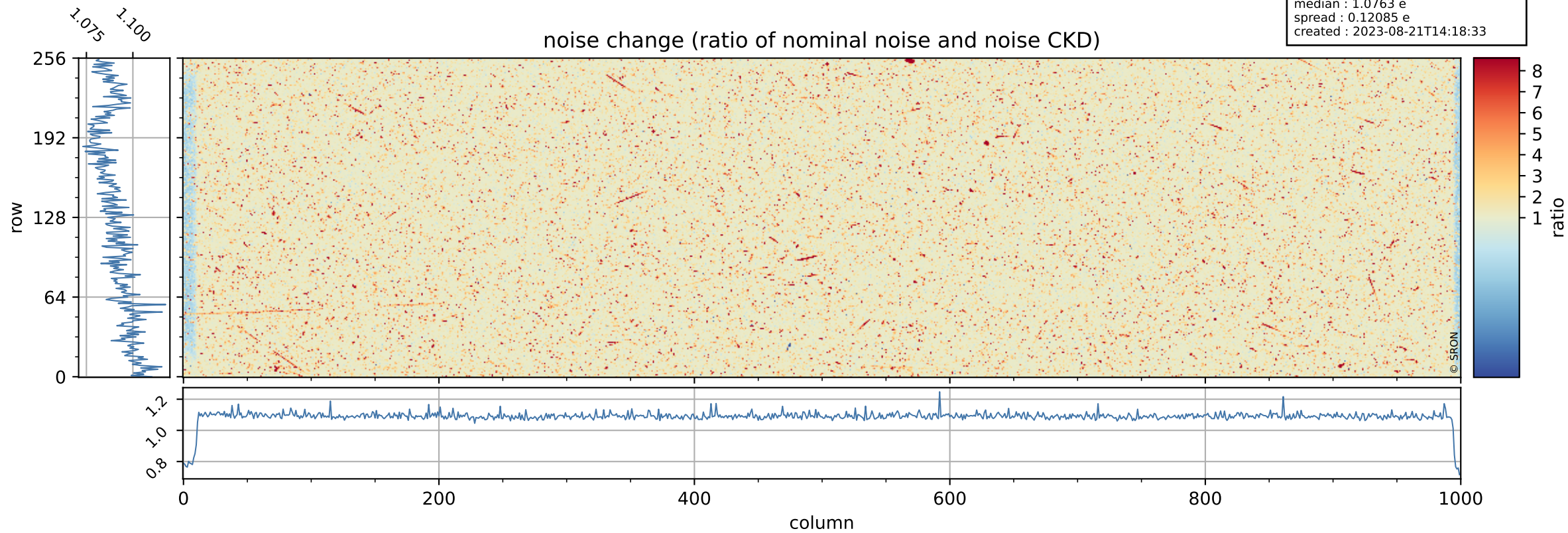
orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
median : 1.021 e  
spread : 0.038208 e  
created : 2023-08-21T14:18:33



# Tropomi SWIR background noise (swir)

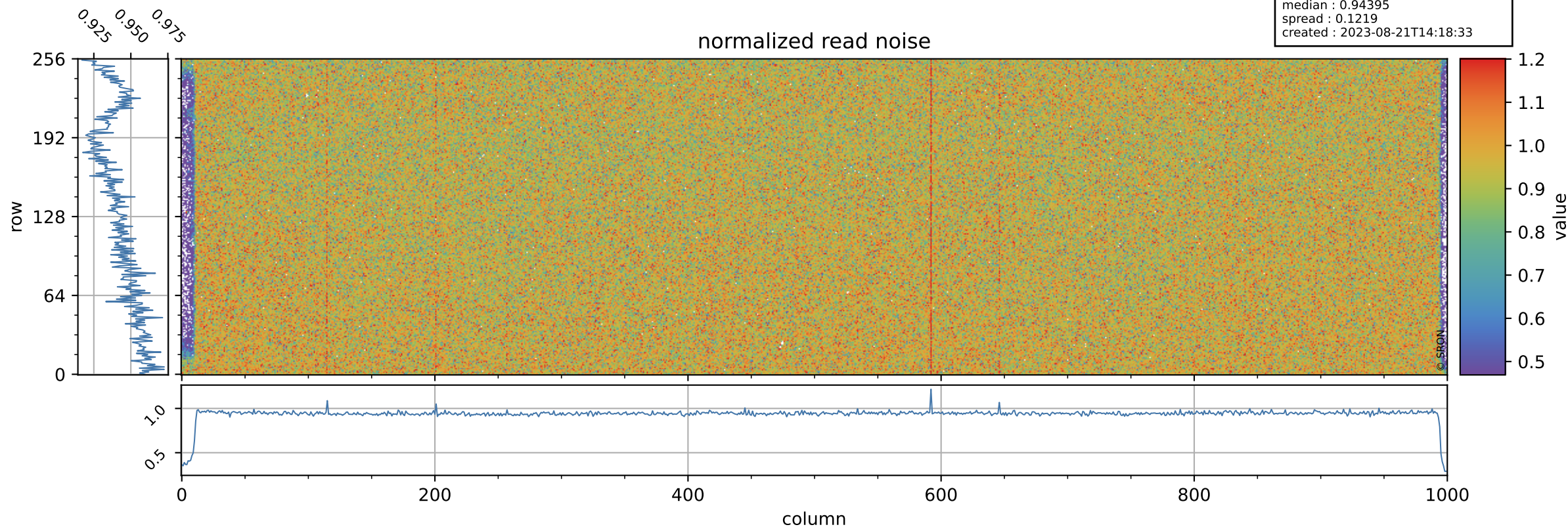
orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
median : 1.0763 e  
spread : 0.12085 e  
created : 2023-08-21T14:18:33

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

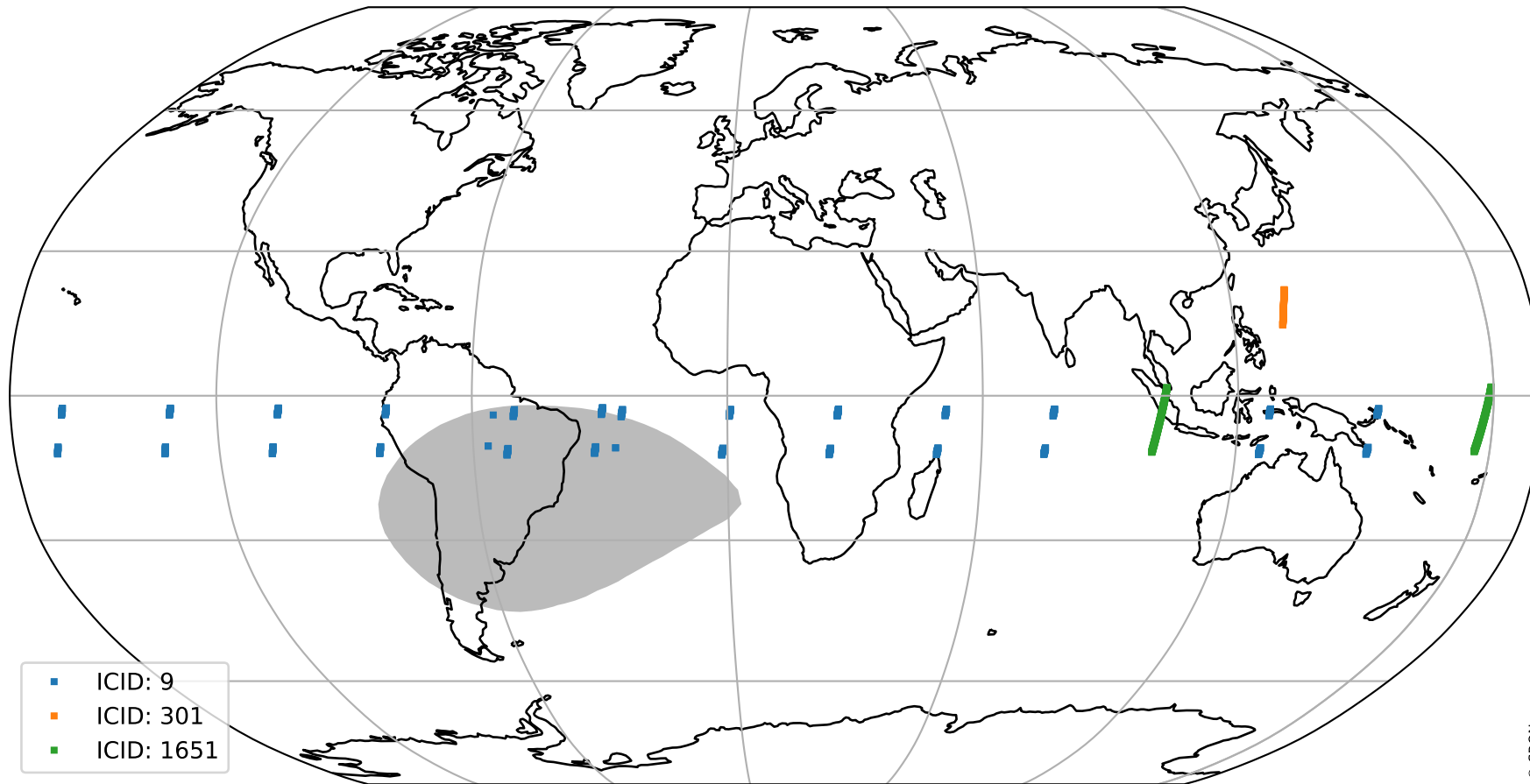
orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
median : 0.94395  
spread : 0.1219  
created : 2023-08-21T14:18:33





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

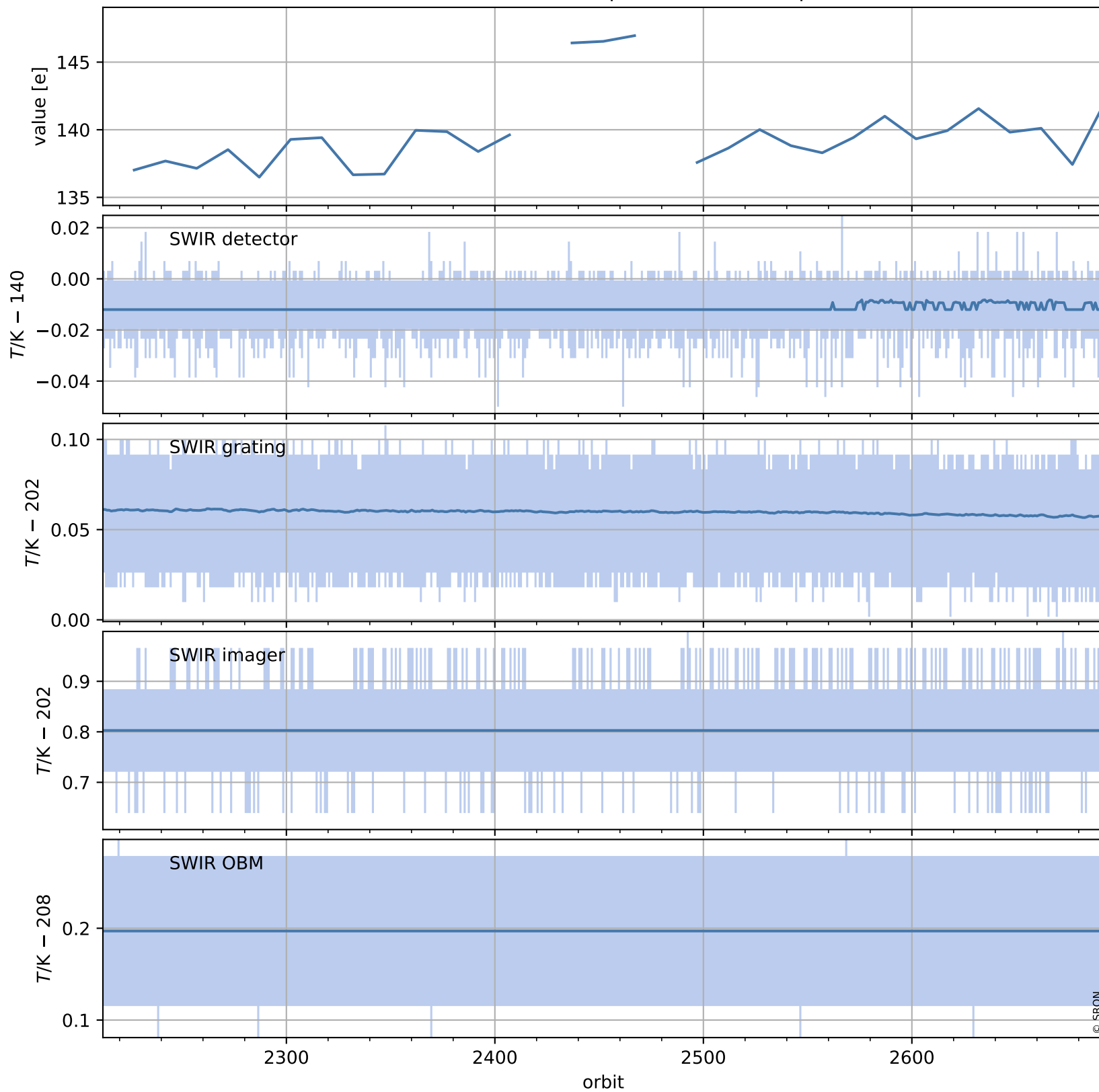
orbits : 14 in [2677, 2692]  
coverage : 2018-04-20 / 2018-04-21  
created : 2023-08-21T14:18:33



# Tropomi SWIR background noise (swir)

orbits : [2212, 2692]  
coverage : 2018-03-18 / 2018-04-21  
created : 2023-08-21T14:18:34

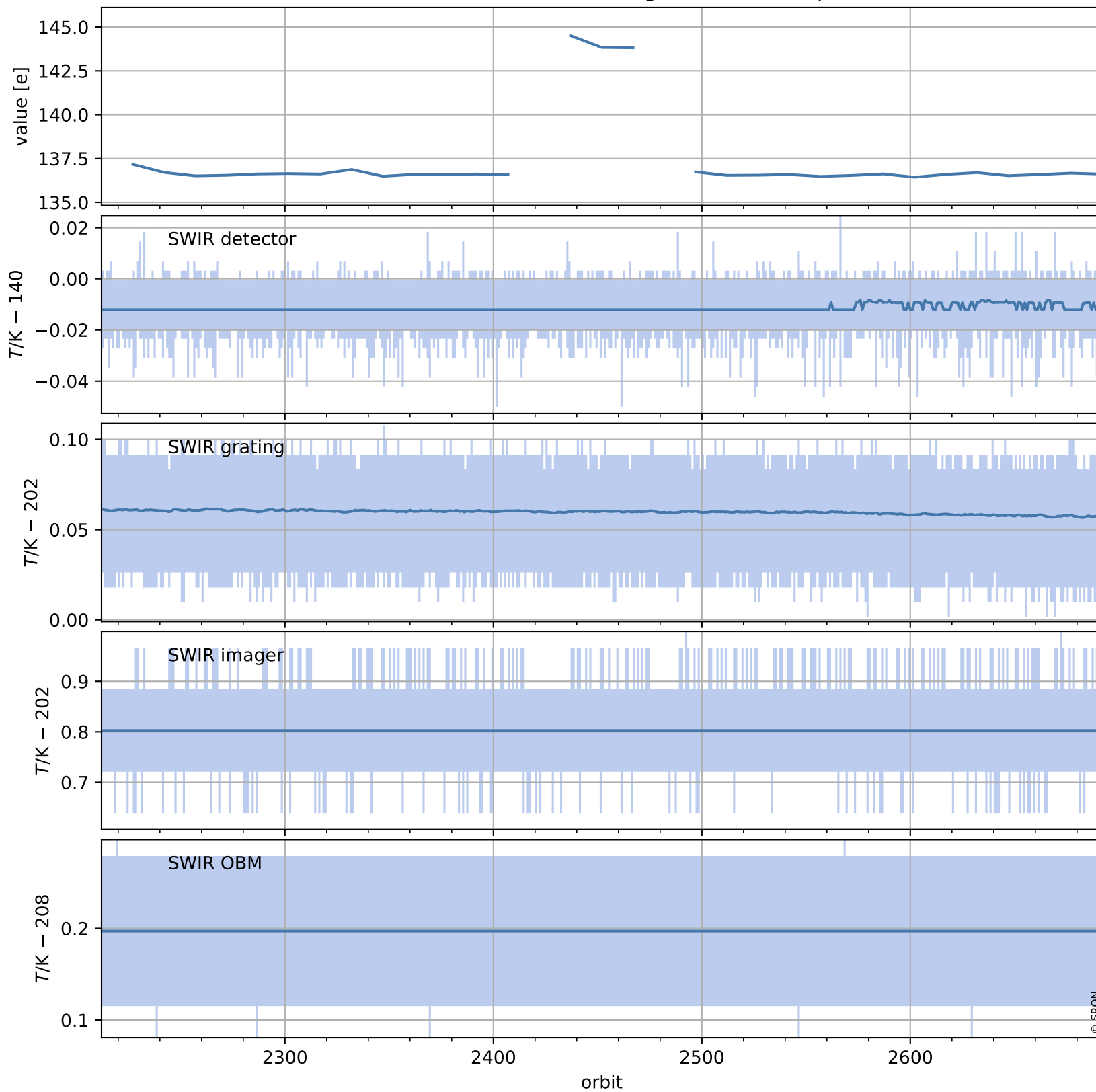
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2692]  
coverage : 2018-03-18 / 2018-04-21  
created : 2023-08-21T14:18:34

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 2692]  
coverage : 2018-03-18 / 2018-04-21  
created : 2023-08-21T14:18:34

## trend of normalized read-noise & temperatures

