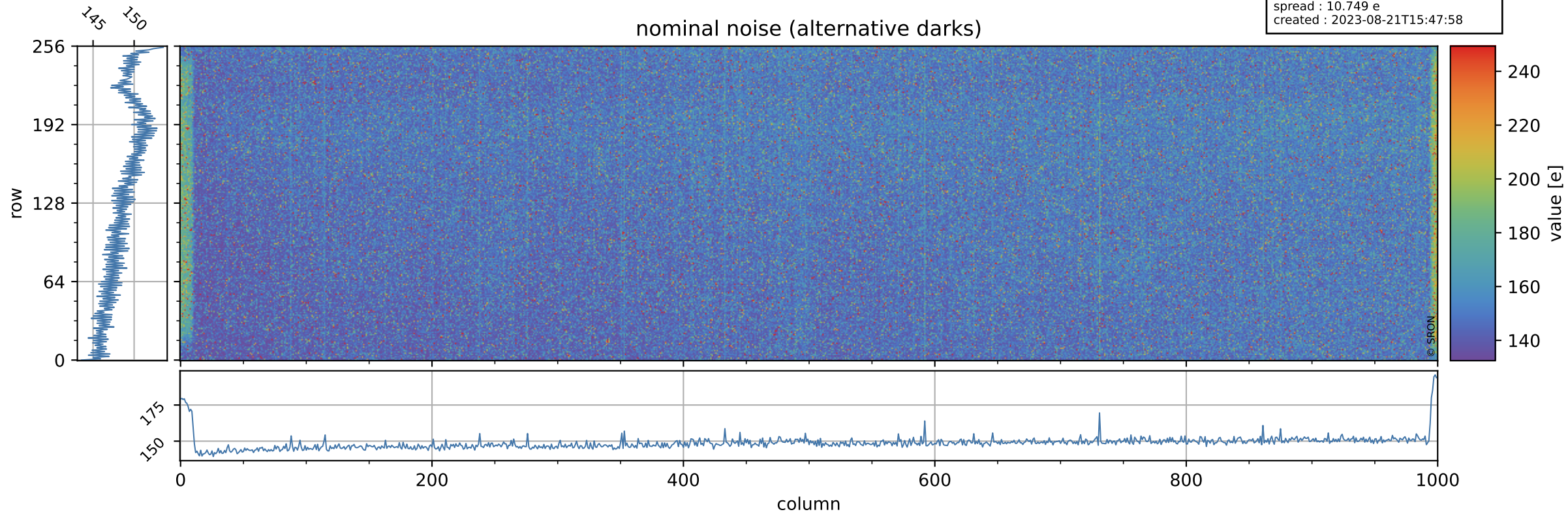


# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.56 e  
spread : 10.749 e  
created : 2023-08-21T15:47:58

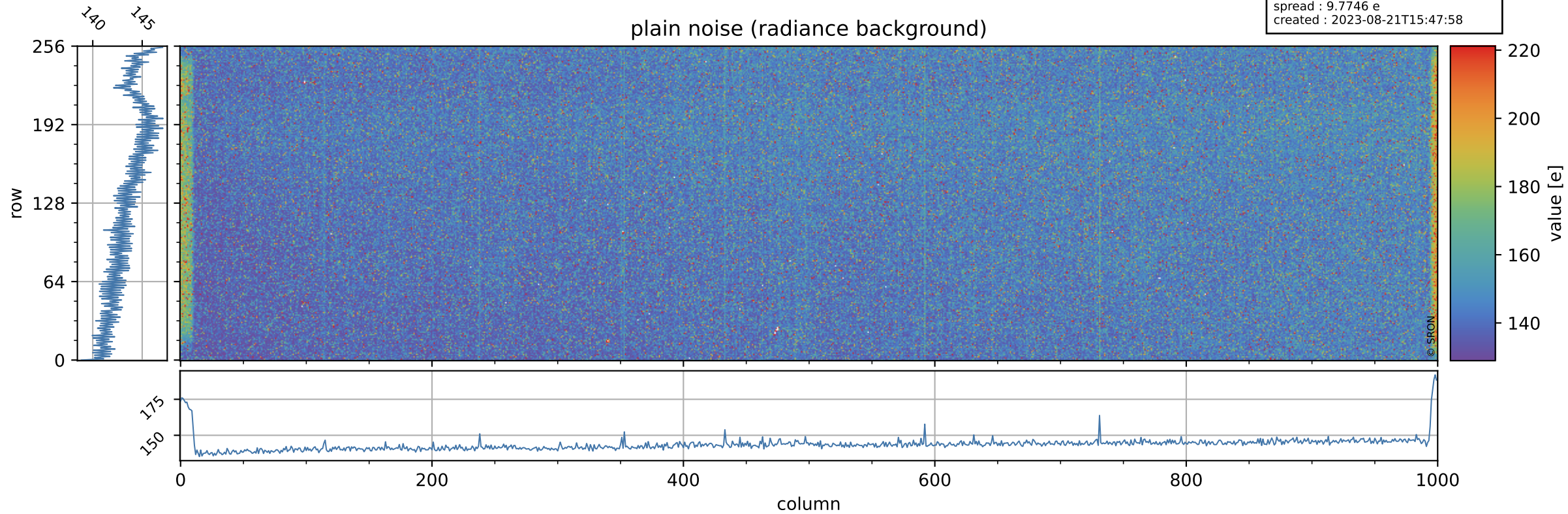
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7746 e  
created : 2023-08-21T15:47:58

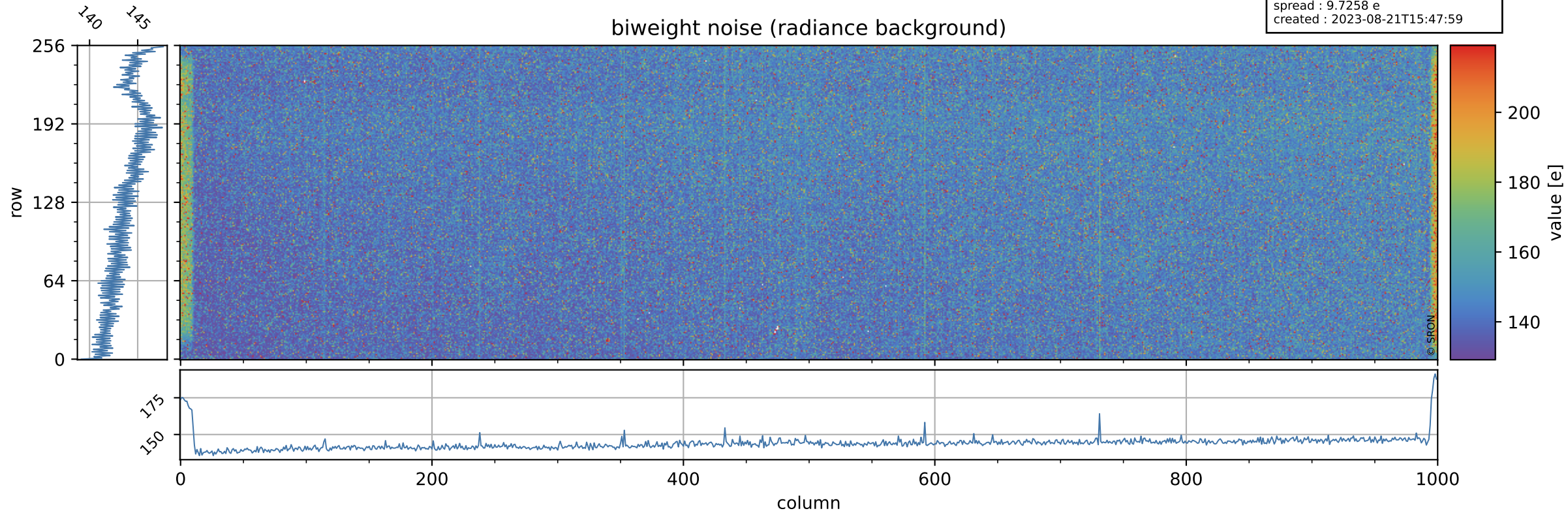
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7258 e  
created : 2023-08-21T15:47:59

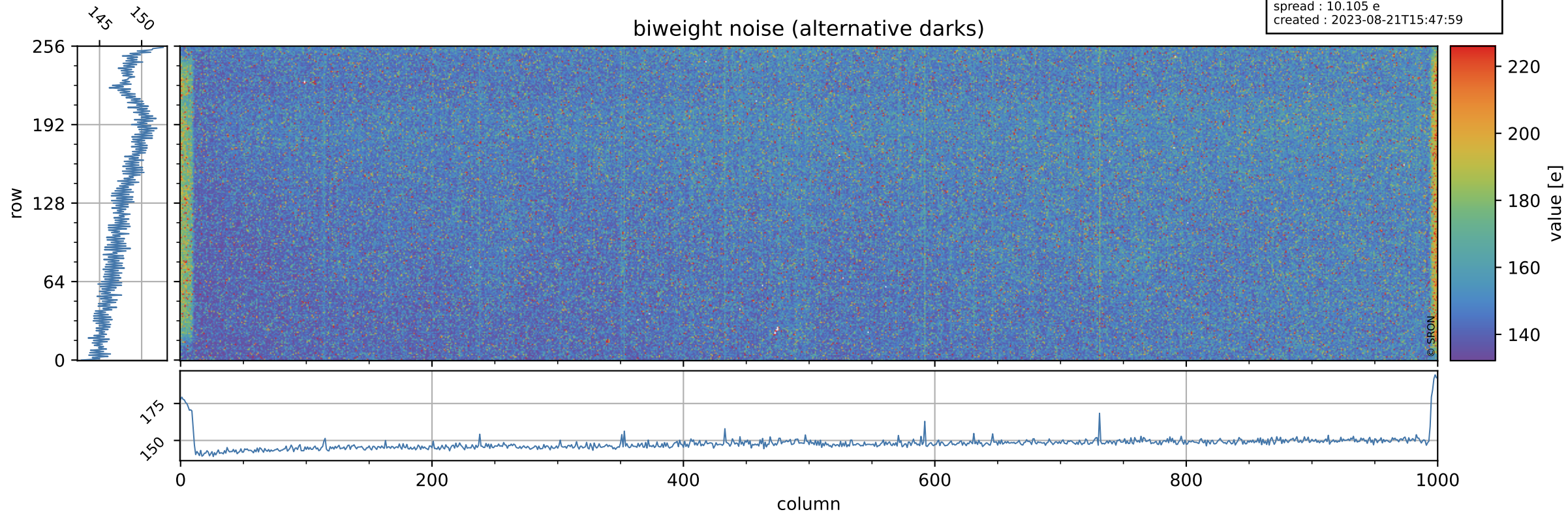
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.105 e  
created : 2023-08-21T15:47:59

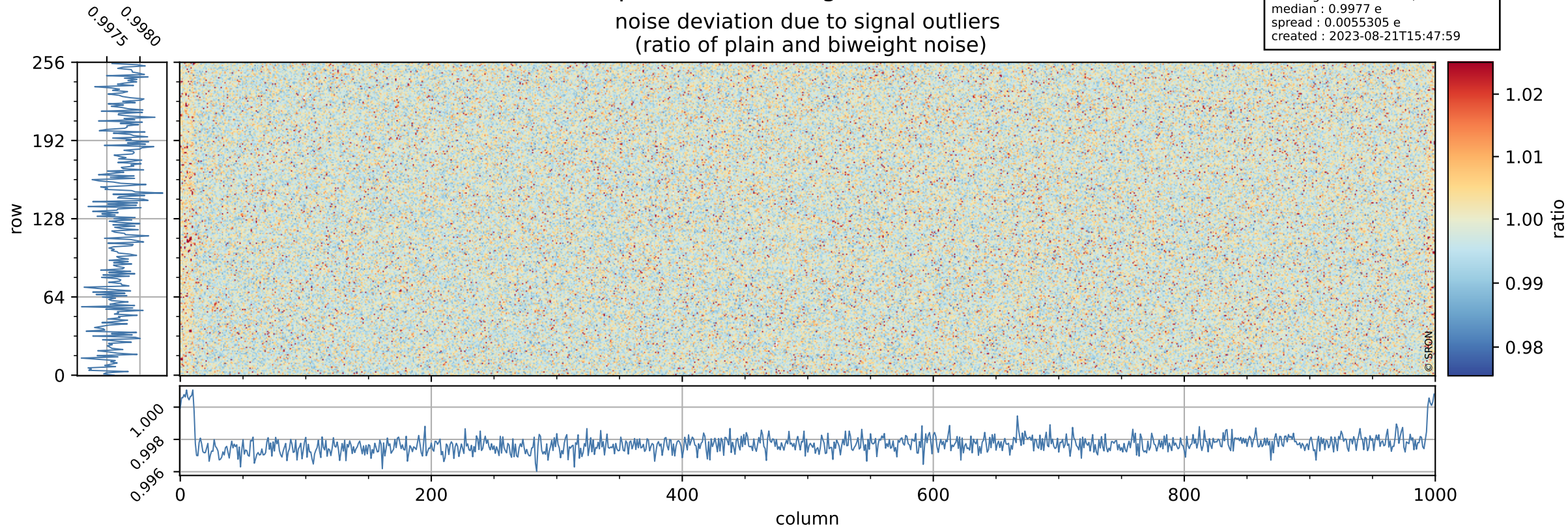
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

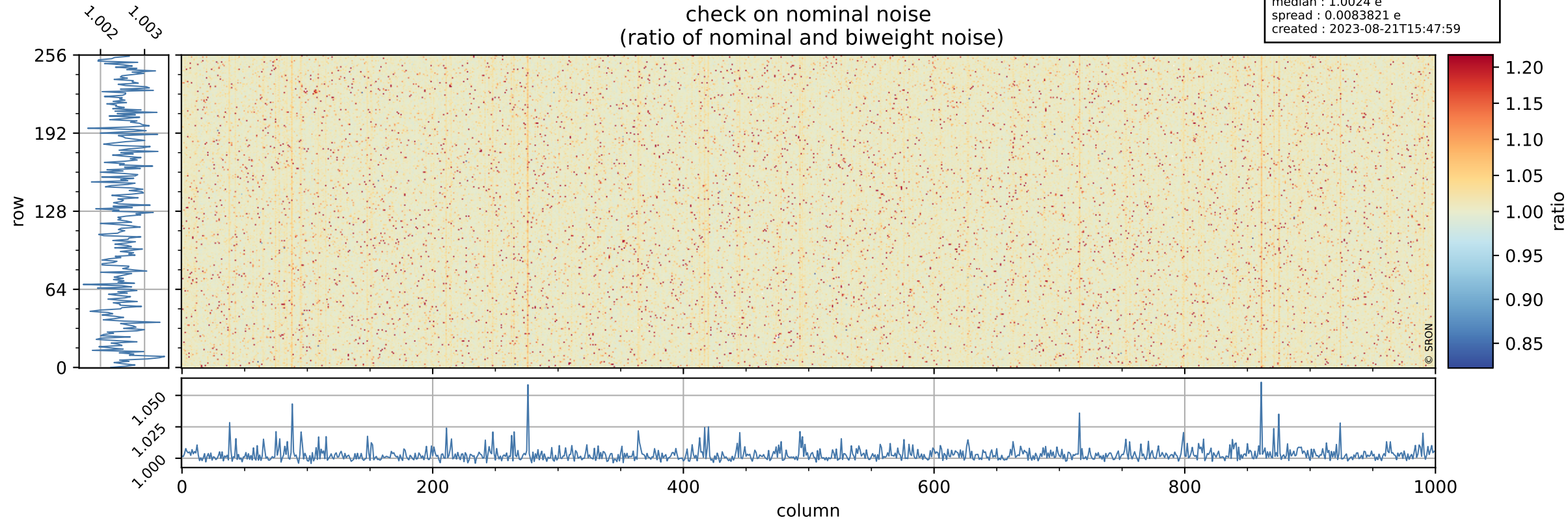
orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
median : 0.9977 e  
spread : 0.0055305 e  
created : 2023-08-21T15:47:59



# Tropomi SWIR background noise (swir)

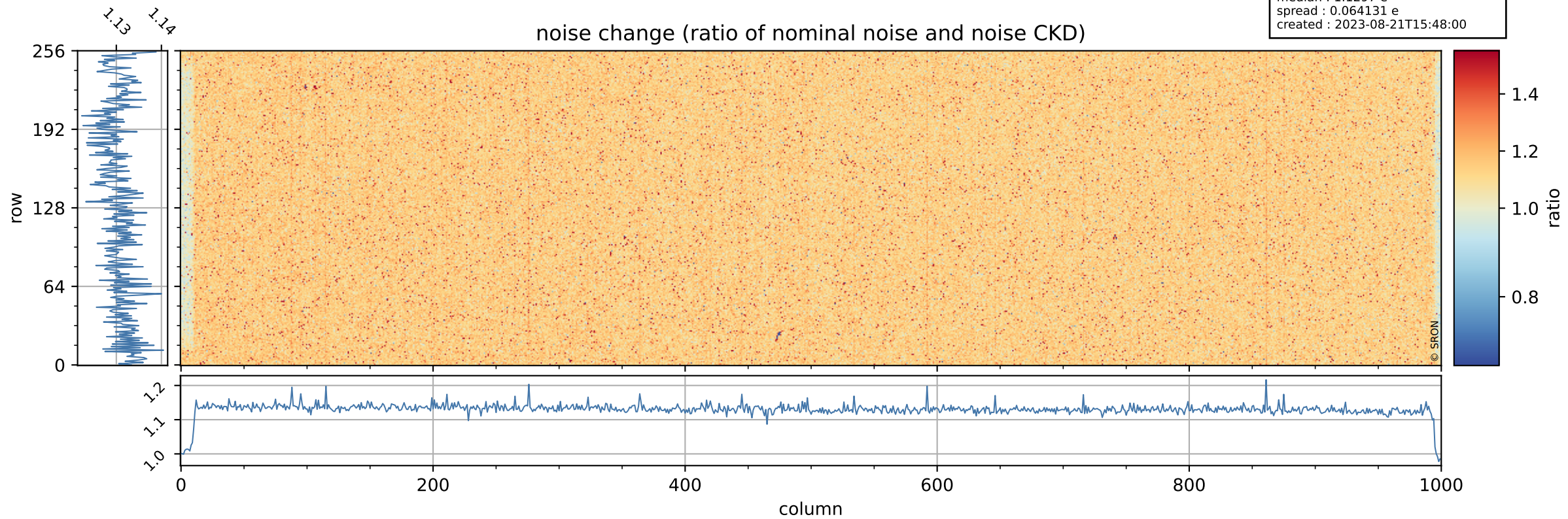
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
median : 1.0024 e  
spread : 0.0083821 e  
created : 2023-08-21T15:47:59



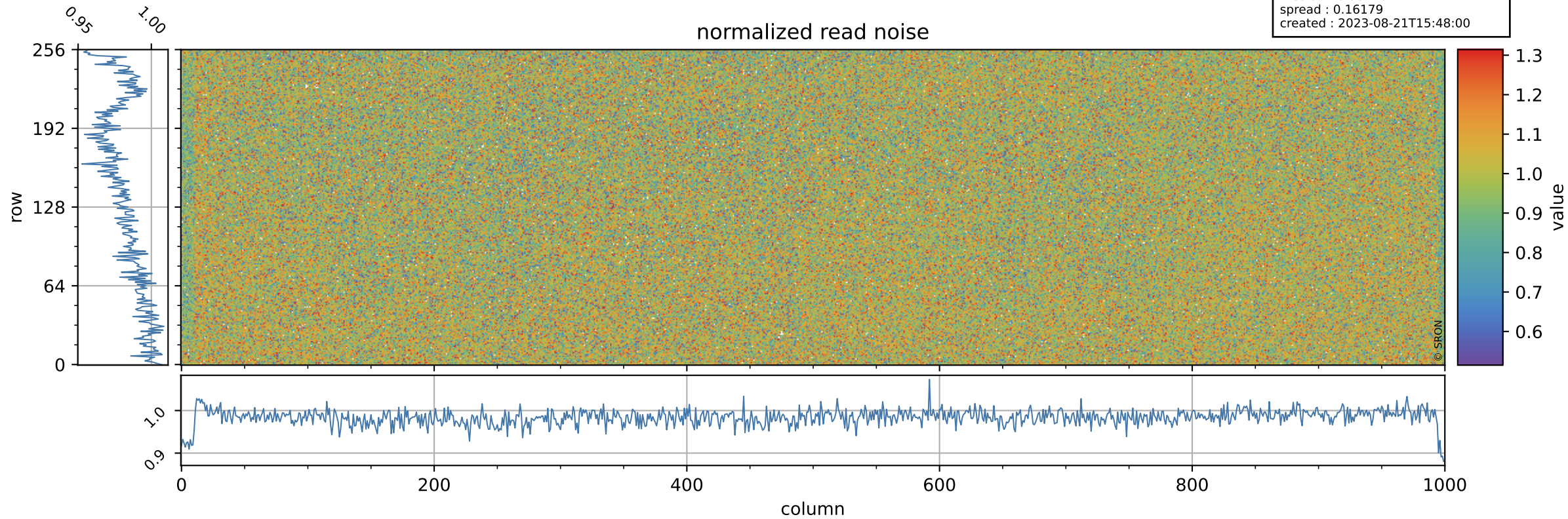
# Tropomi SWIR background noise (swir)

orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
median : 1.1297 e  
spread : 0.064131 e  
created : 2023-08-21T15:48:00



# Tropomi SWIR background noise (swir)

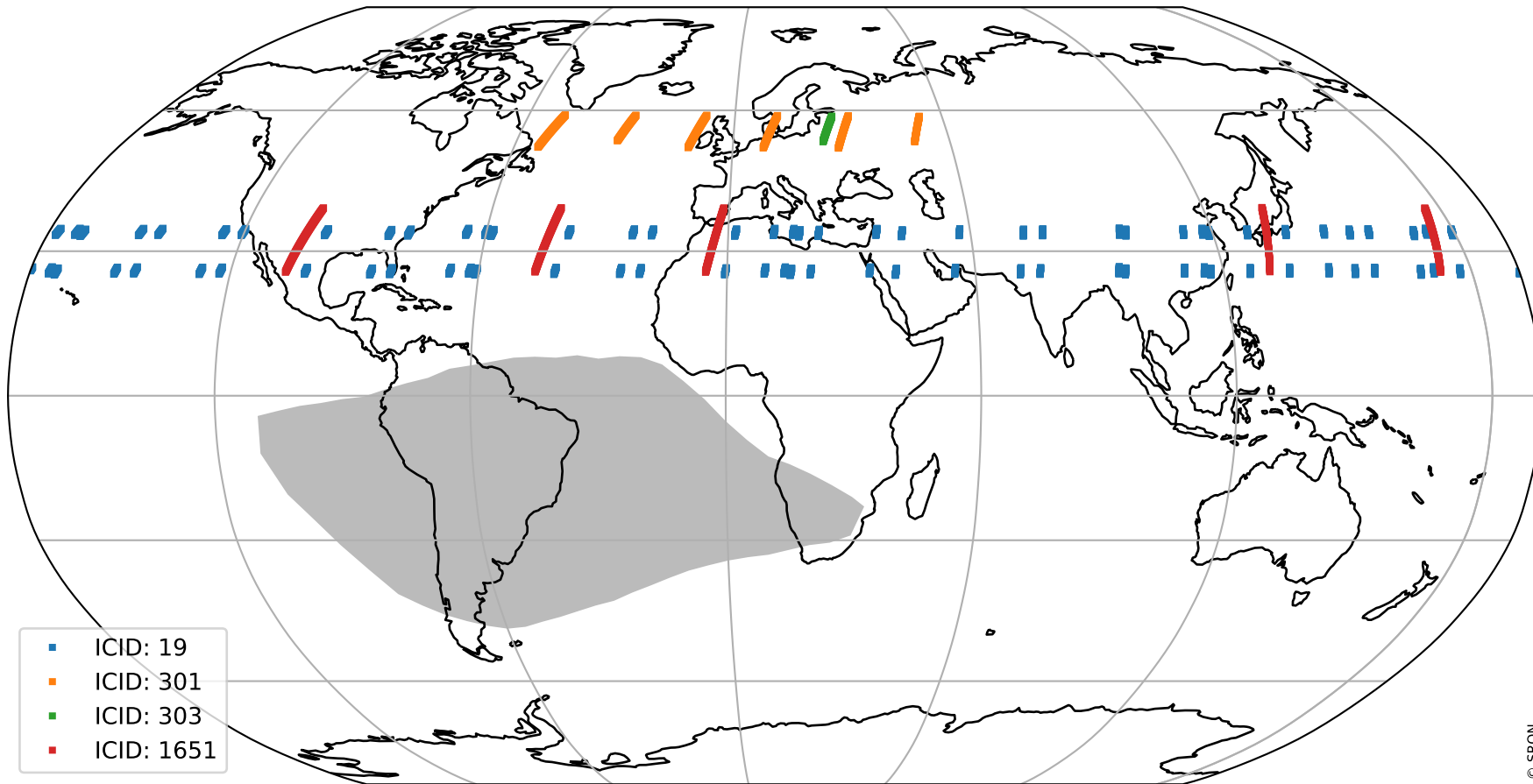
orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
median : 0.98248  
spread : 0.16179  
created : 2023-08-21T15:48:00





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

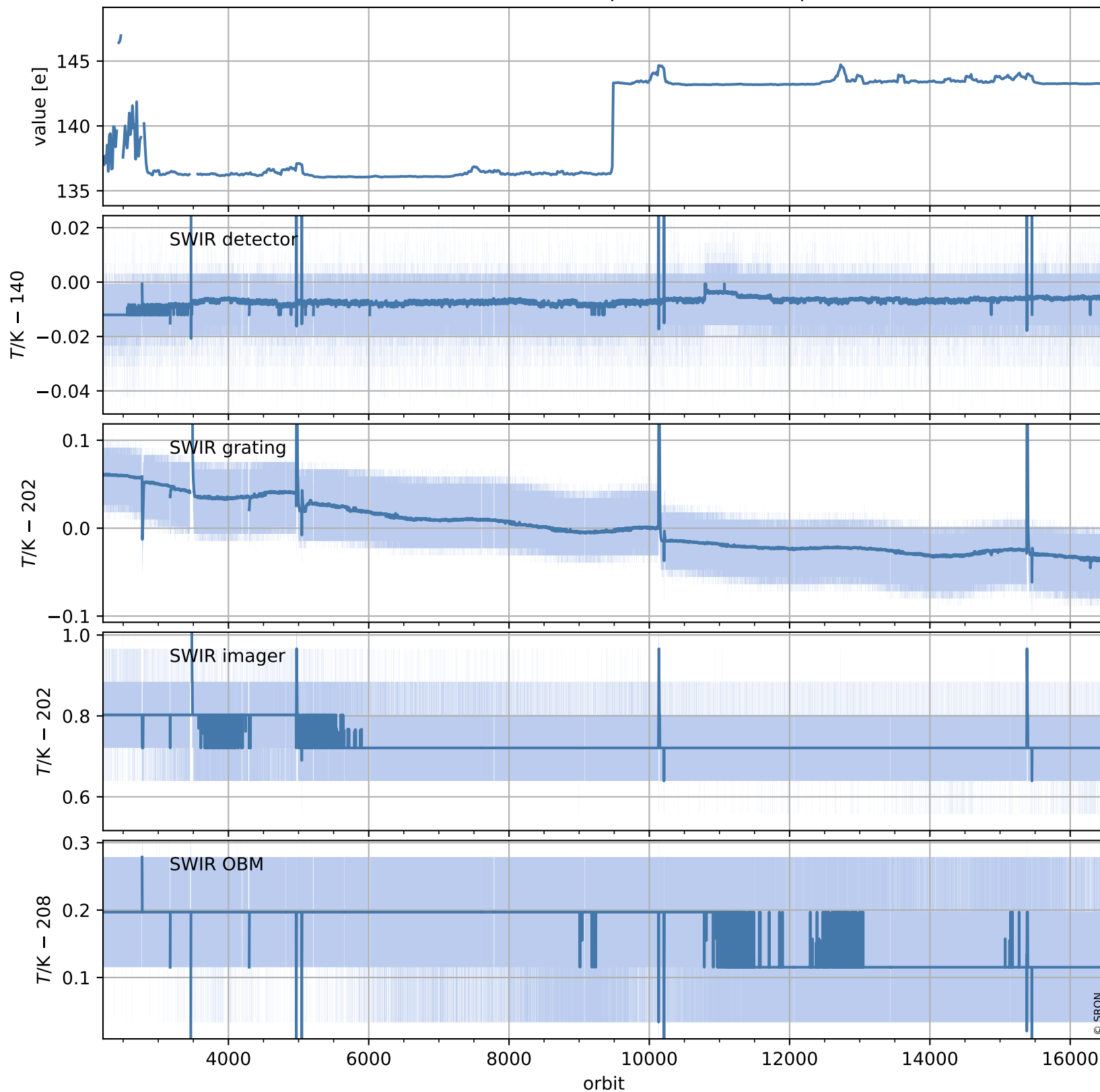
orbits : 12 in [16417, 16492]  
coverage : 2020-12-12 / 2020-12-18  
created : 2023-08-21T15:48:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 16492]  
coverage : 2018-03-18 / 2020-12-18  
created : 2023-08-21T15:48:01

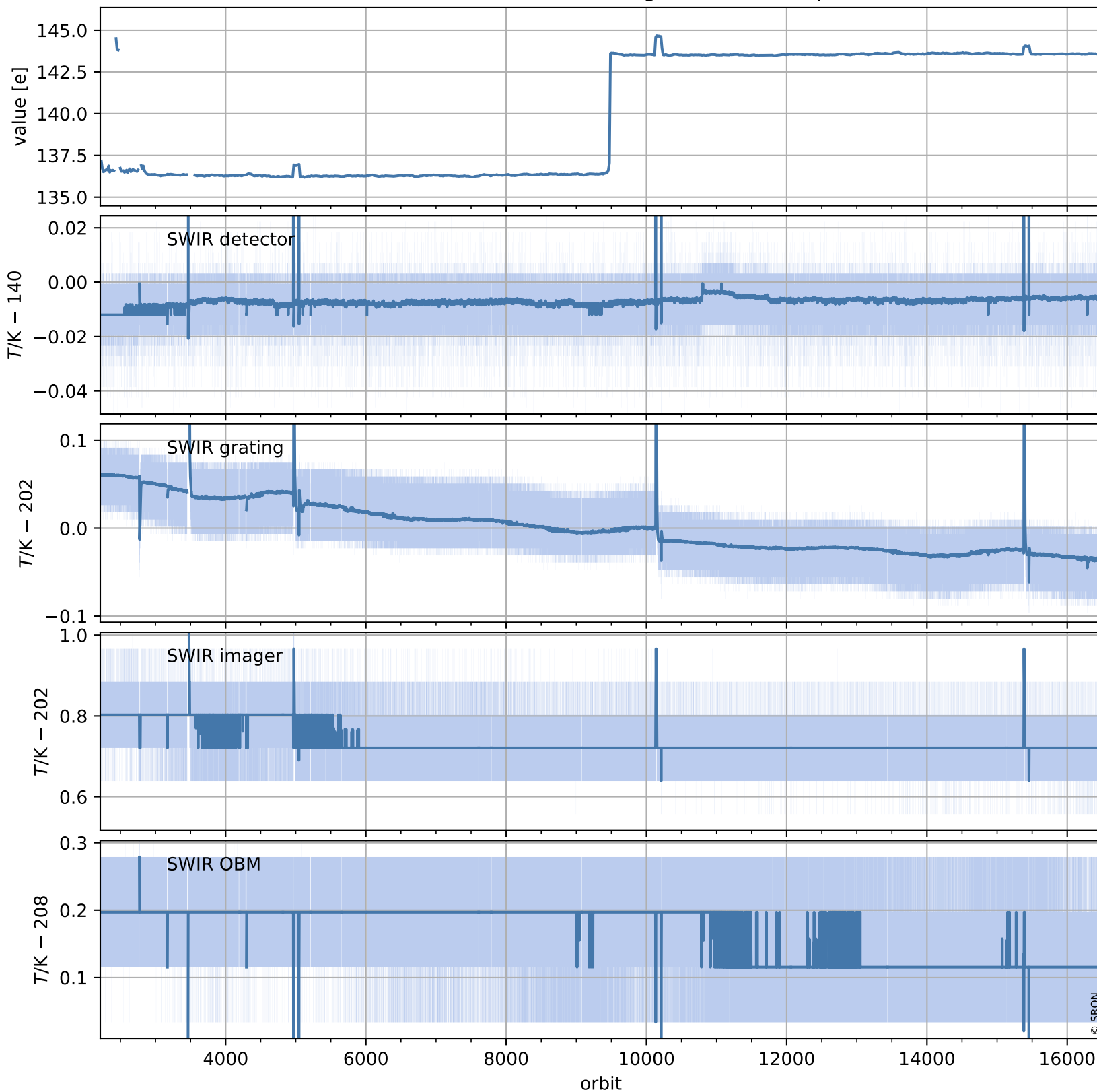
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16492]  
coverage : 2018-03-18 / 2020-12-18  
created : 2023-08-21T15:48:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16492]  
coverage : 2018-03-18 / 2020-12-18  
created : 2023-08-21T15:48:02

## trend of normalized read-noise & temperatures

