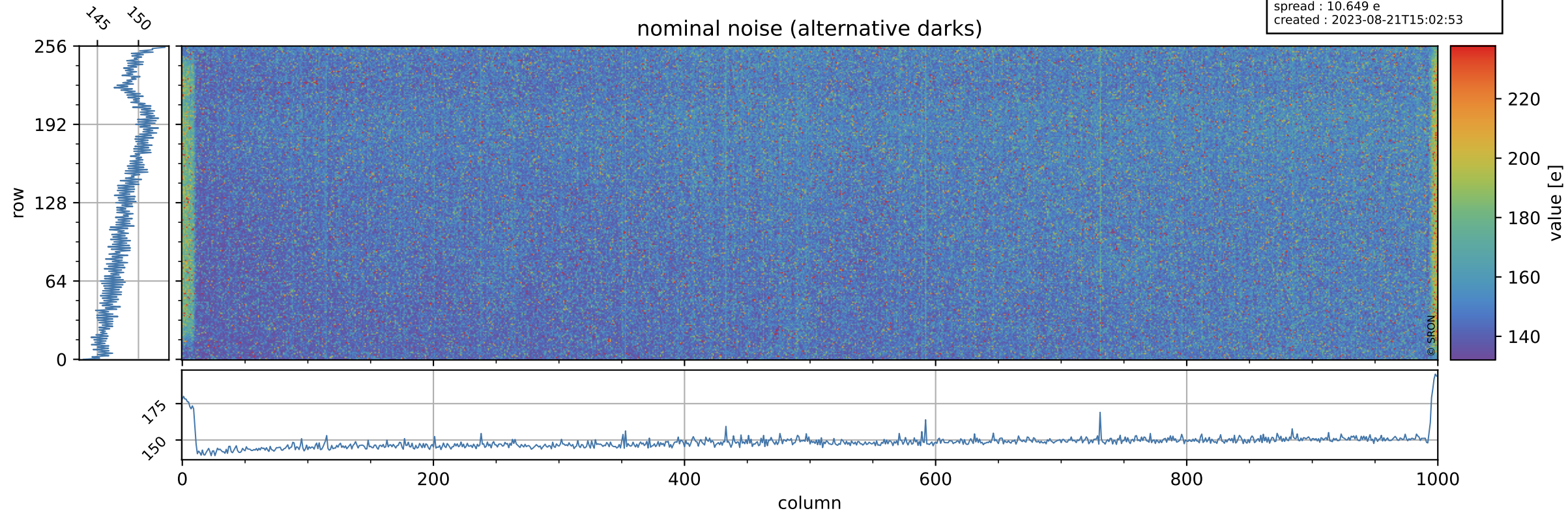


# Tropomi SWIR background noise (swir)

orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.649 e  
created : 2023-08-21T15:02:53

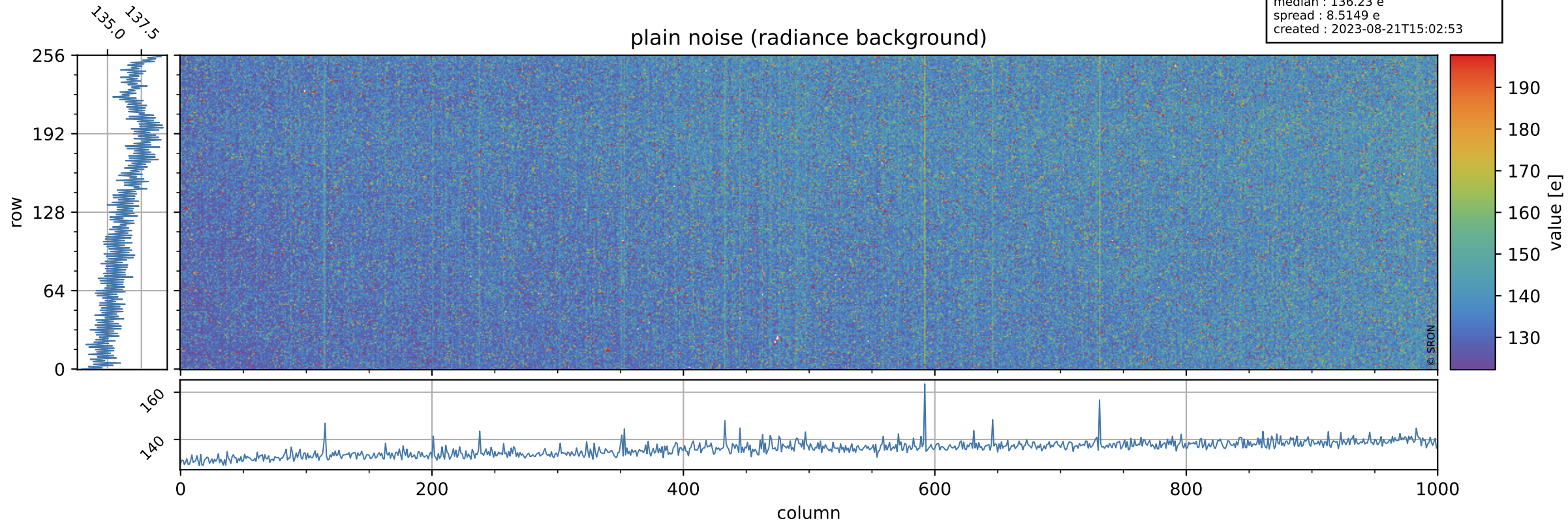
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.5149 e  
created : 2023-08-21T15:02:53

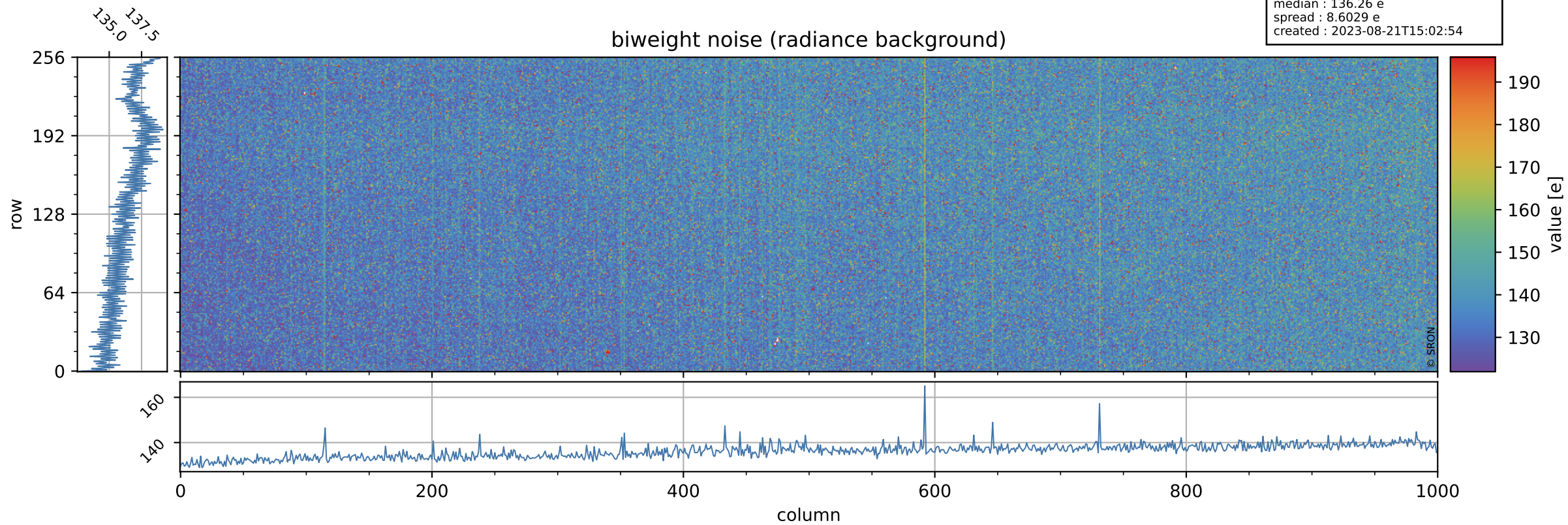
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.6029 e  
created : 2023-08-21T15:02:54

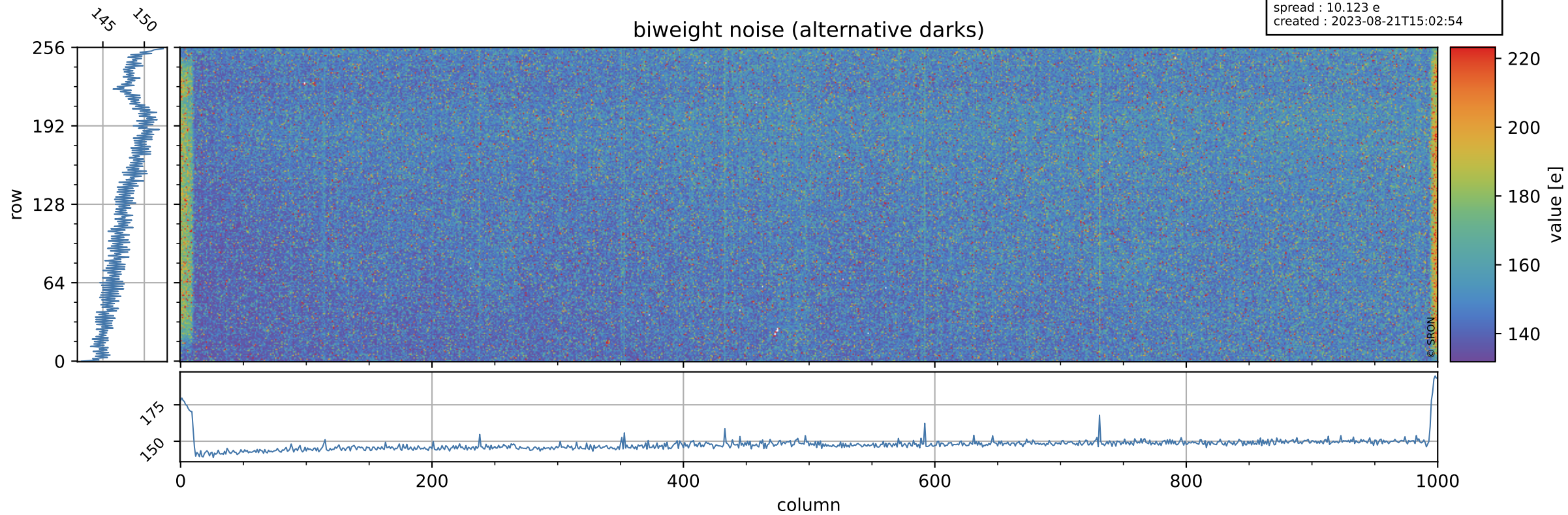
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.6 e  
spread : 10.123 e  
created : 2023-08-21T15:02:54

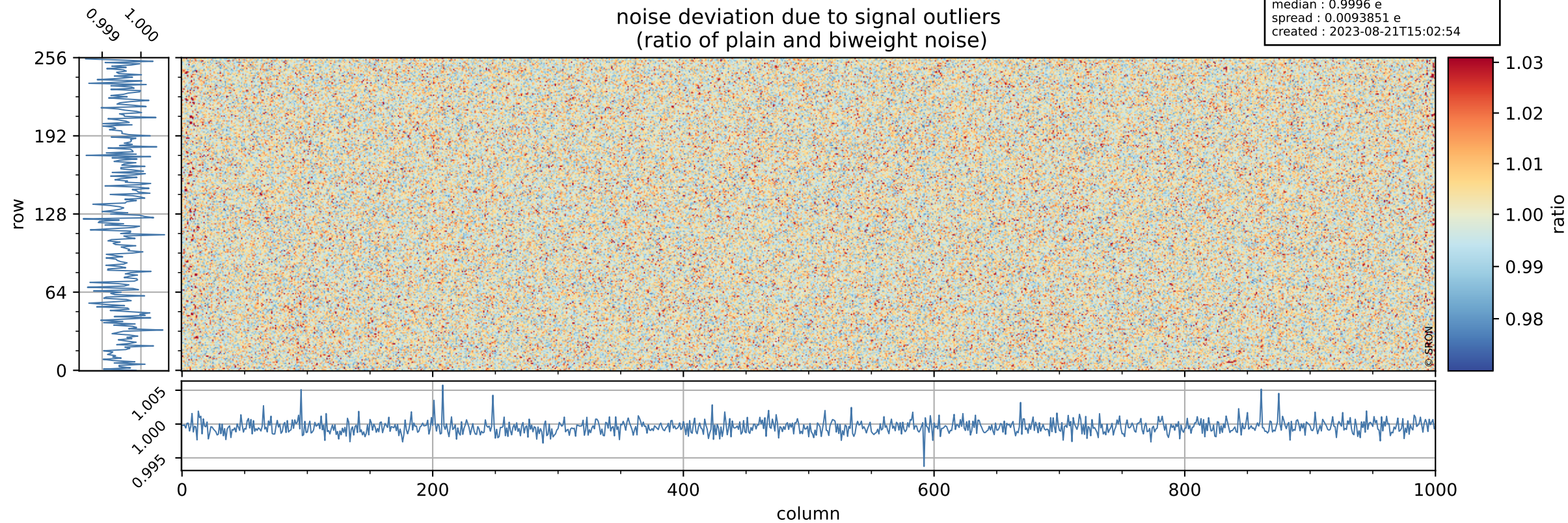
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

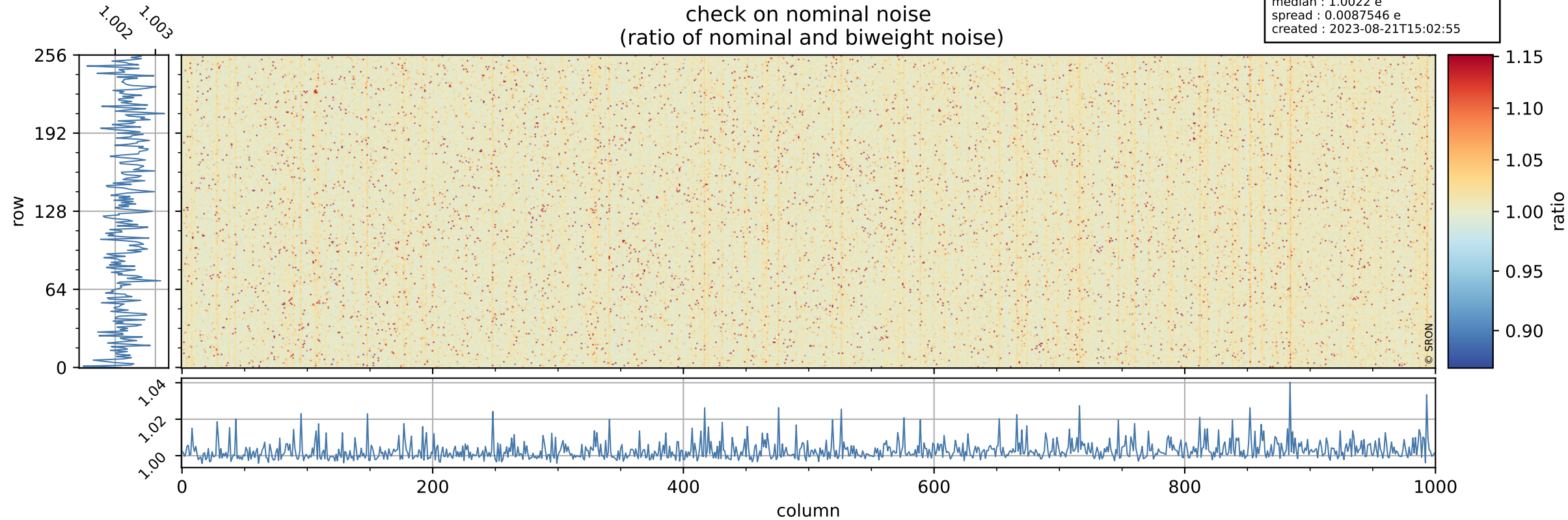
orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
median : 0.9996 e  
spread : 0.0093851 e  
created : 2023-08-21T15:02:54



# Tropomi SWIR background noise (swir)

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

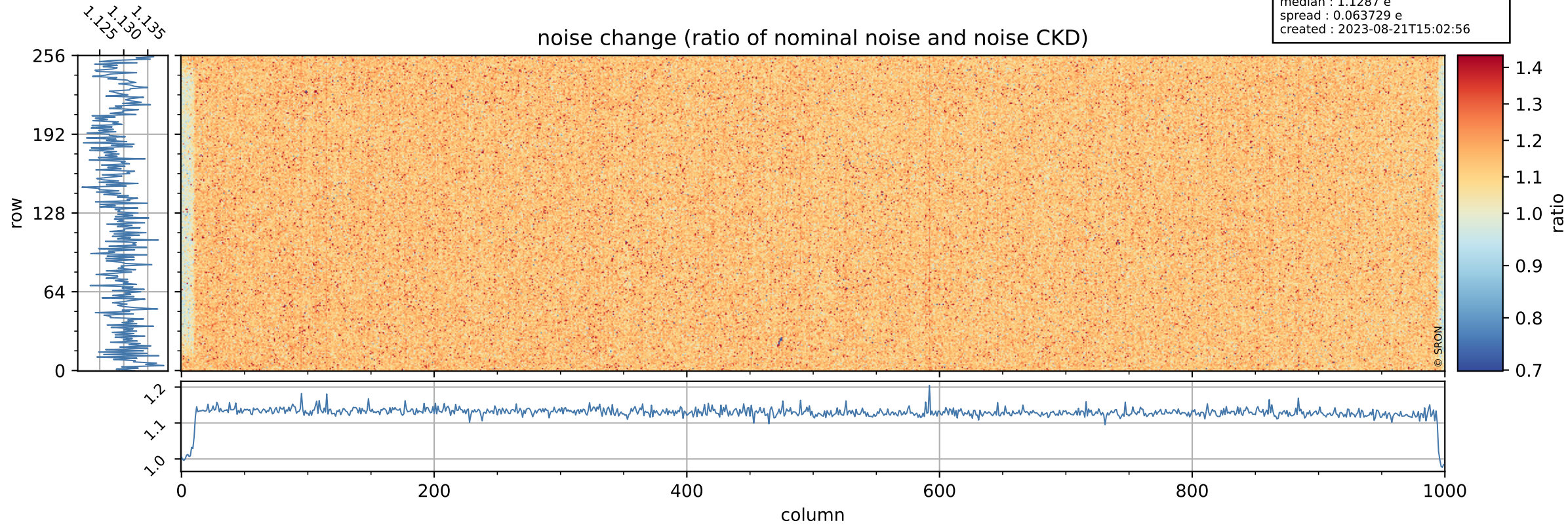
orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
median : 1.0022 e  
spread : 0.0087546 e  
created : 2023-08-21T15:02:55



# Tropomi SWIR background noise (swir)

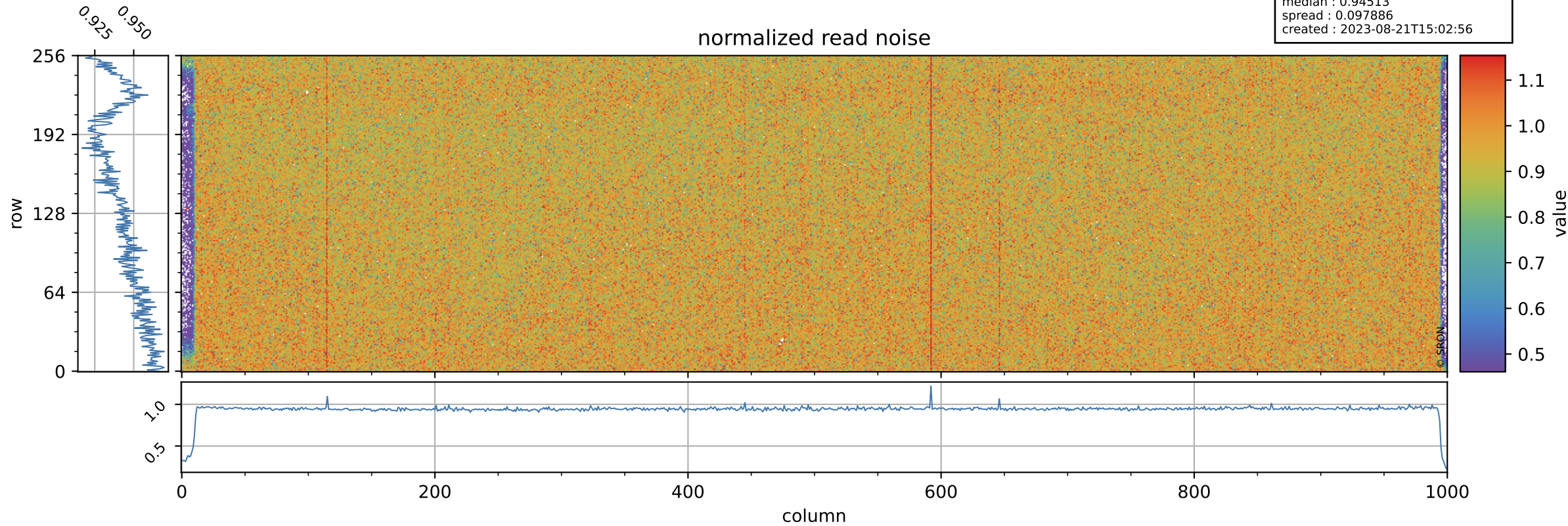
orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
median : 1.1287 e  
spread : 0.063729 e  
created : 2023-08-21T15:02:56

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

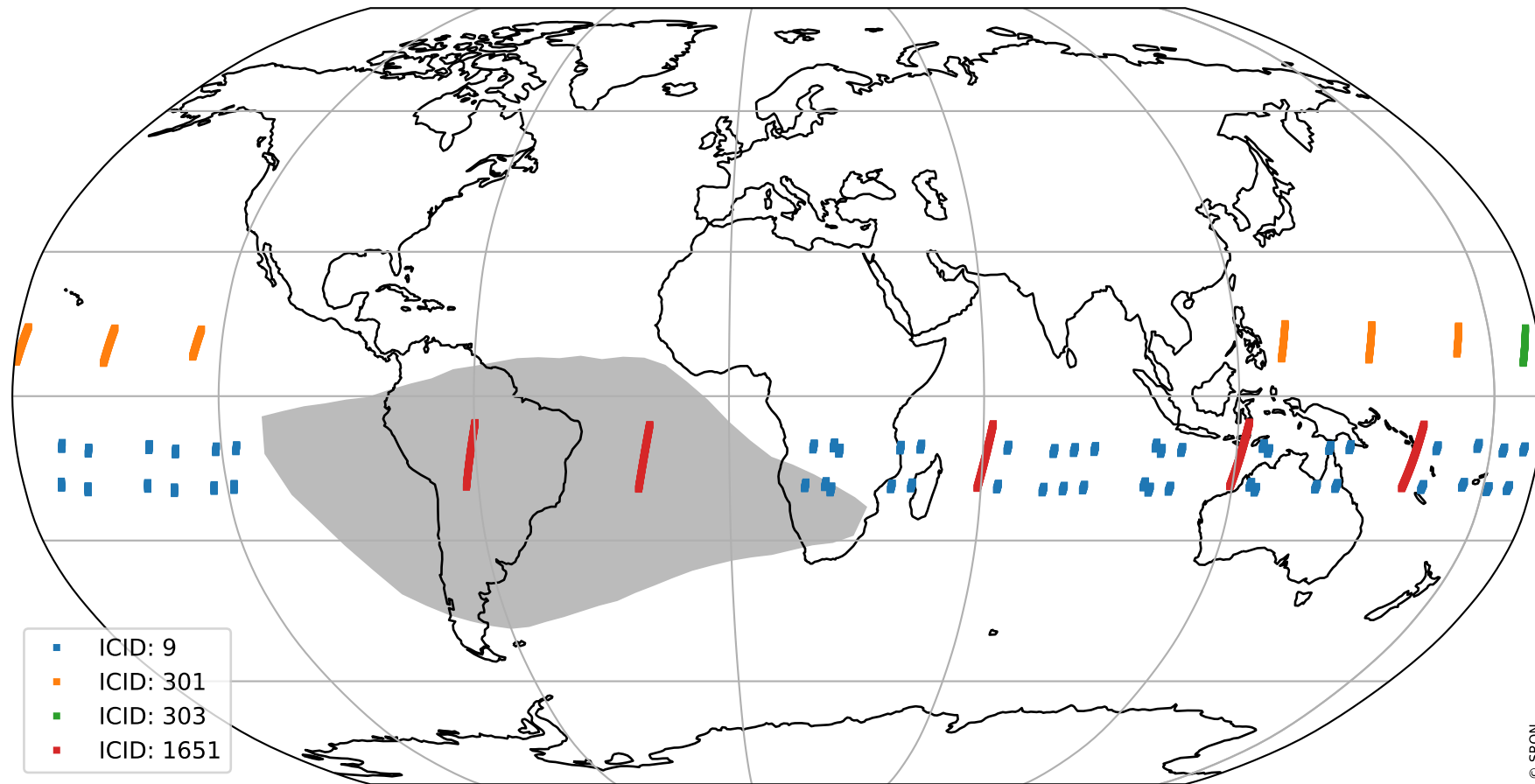
orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
median : 0.94513  
spread : 0.097886  
created : 2023-08-21T15:02:56





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

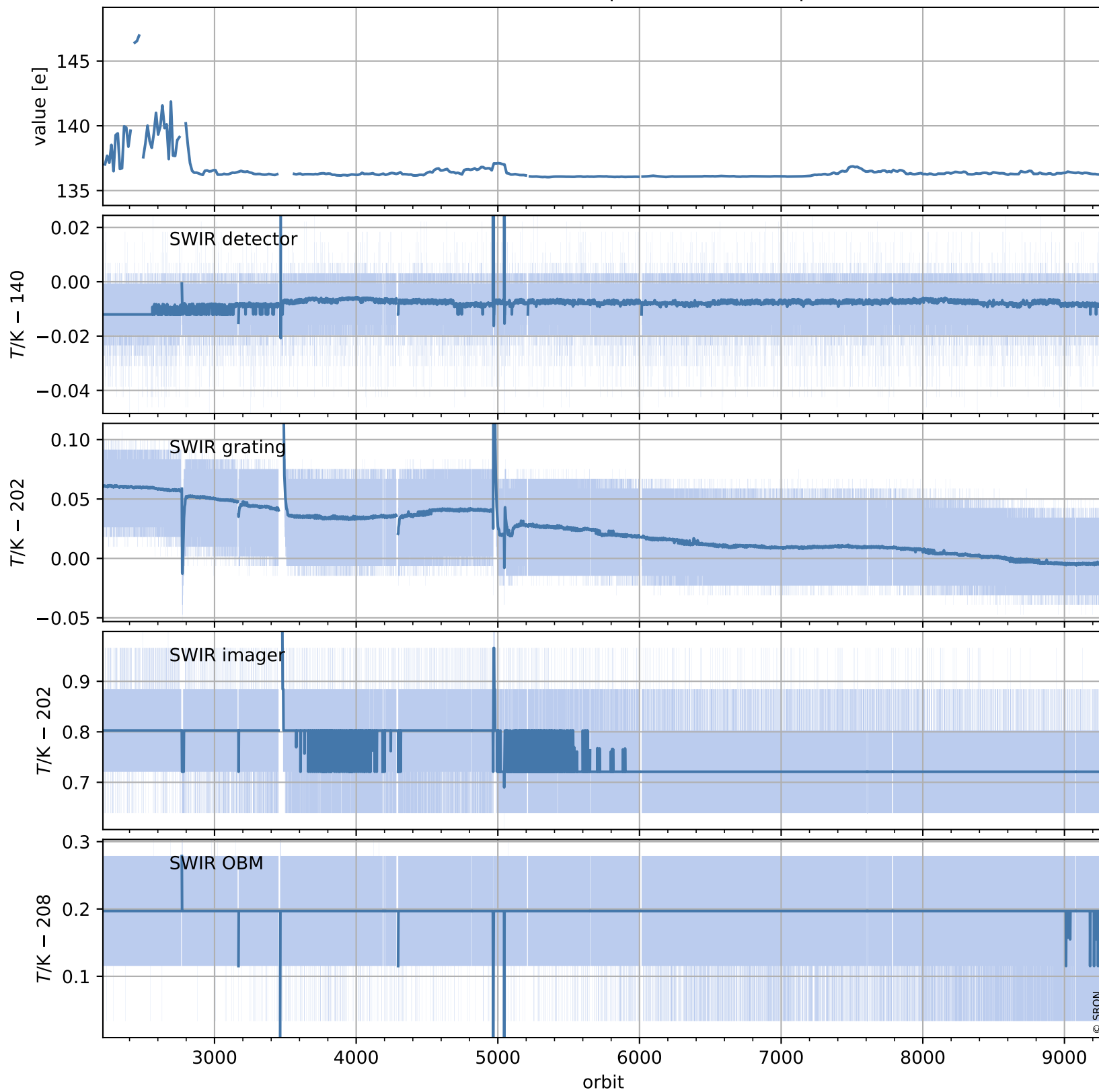
orbits : 12 in [9202, 9277]  
coverage : 2019-07-23 / 2019-07-28  
created : 2023-08-21T15:02:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 9277]  
coverage : 2018-03-18 / 2019-07-28  
created : 2023-08-21T15:02:57

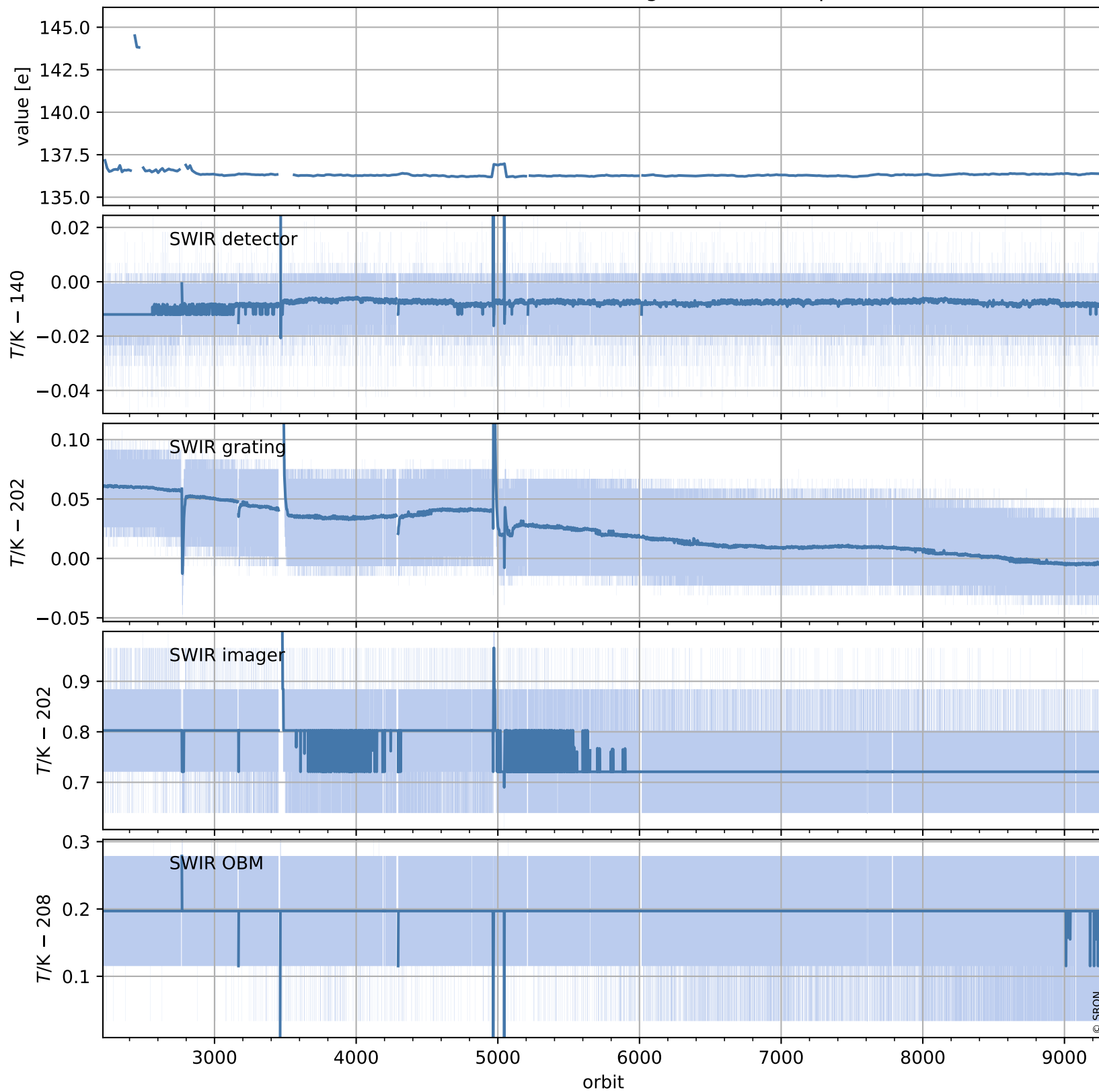
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9277]  
coverage : 2018-03-18 / 2019-07-28  
created : 2023-08-21T15:02:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9277]  
coverage : 2018-03-18 / 2019-07-28  
created : 2023-08-21T15:02:59

## trend of normalized read-noise & temperatures

