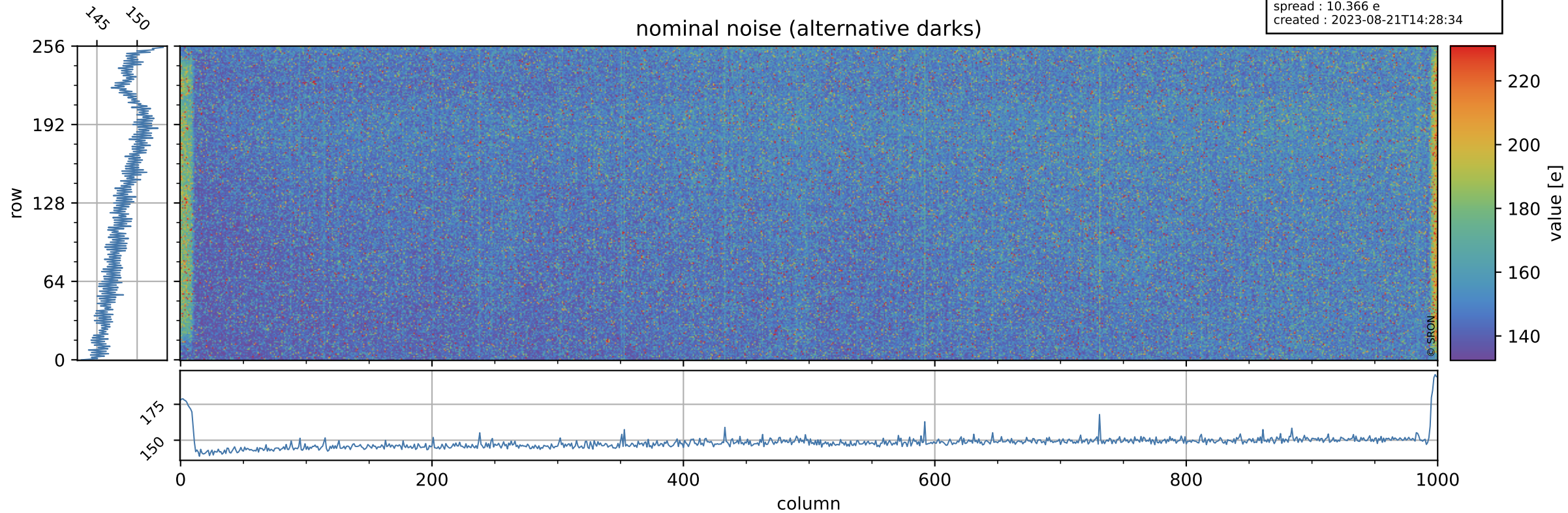


# Tropomi SWIR background noise (swir)

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.21 e  
spread : 10.366 e  
created : 2023-08-21T14:28:34

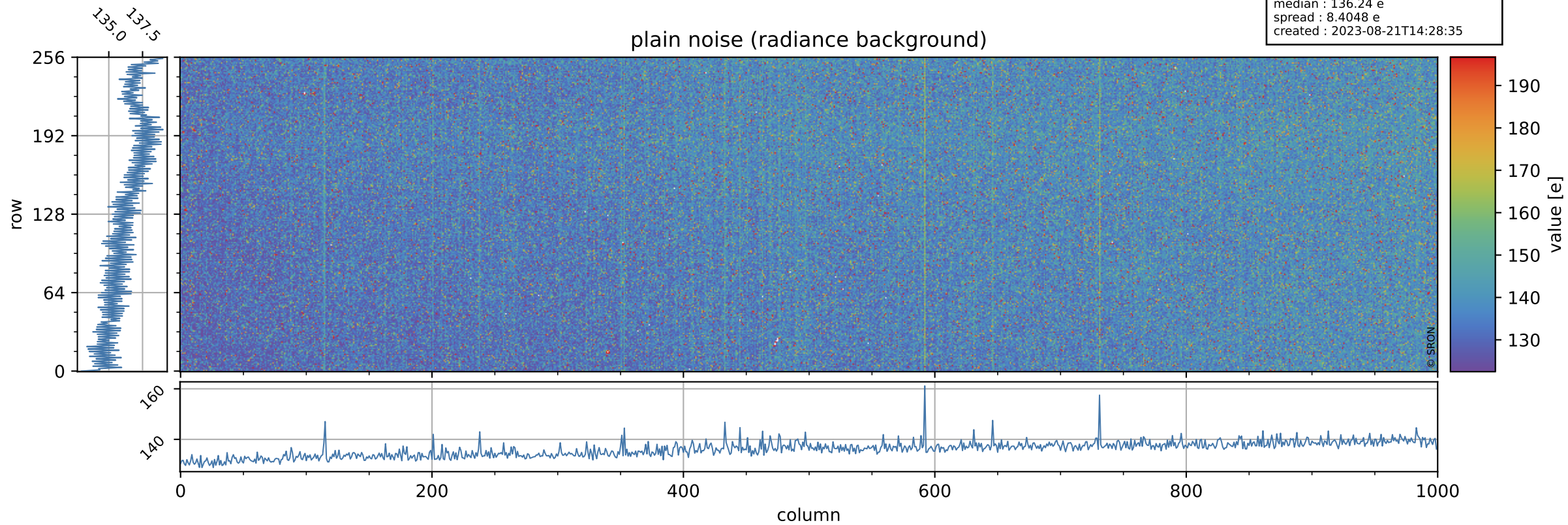
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.4048 e  
created : 2023-08-21T14:28:35

## plain noise (radiance background)

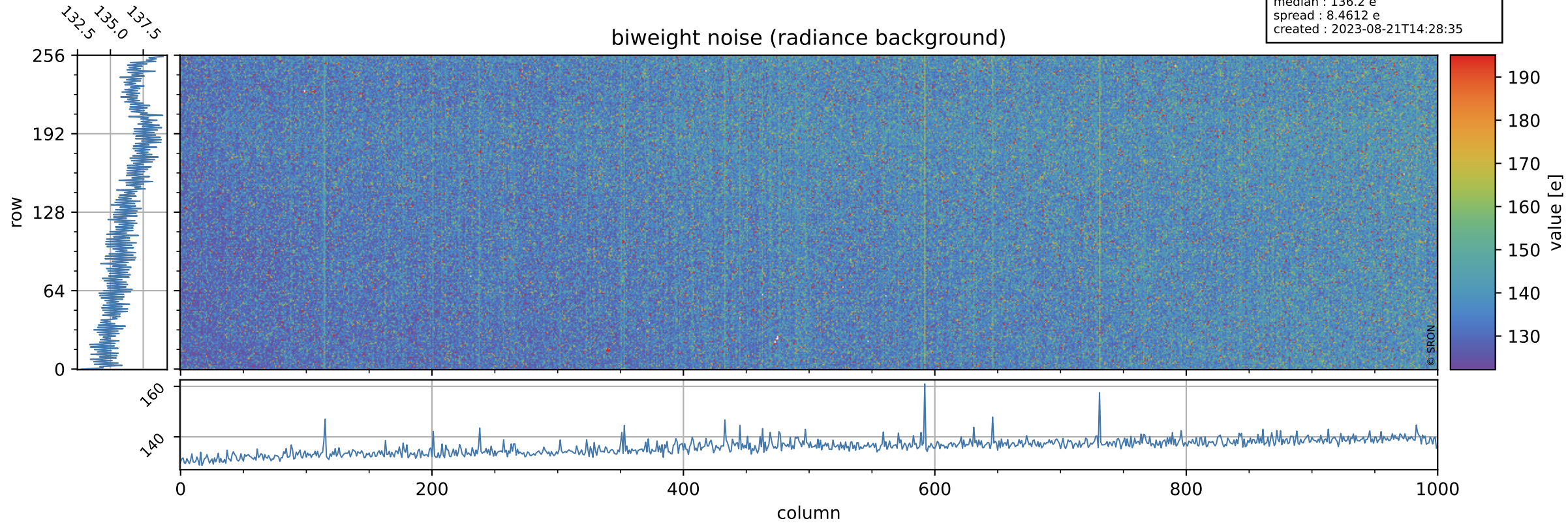




# Tropomi SWIR background noise (swir)

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.4612 e  
created : 2023-08-21T14:28:35

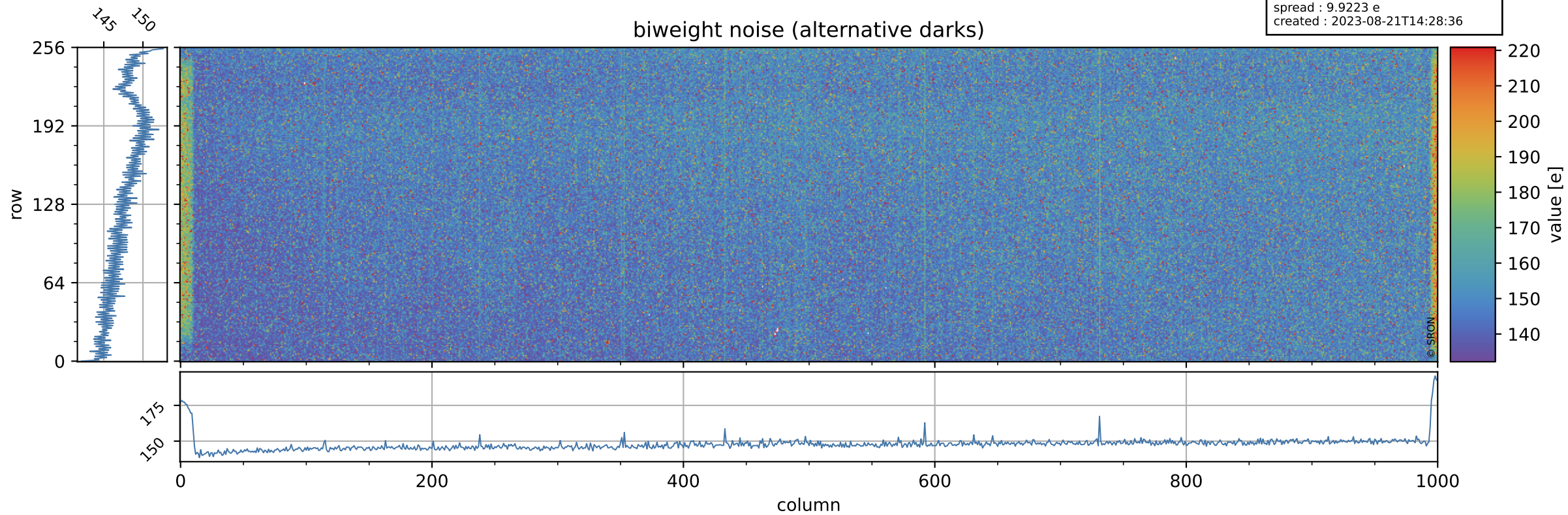
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9223 e  
created : 2023-08-21T14:28:36

## biweight noise (alternative darks)

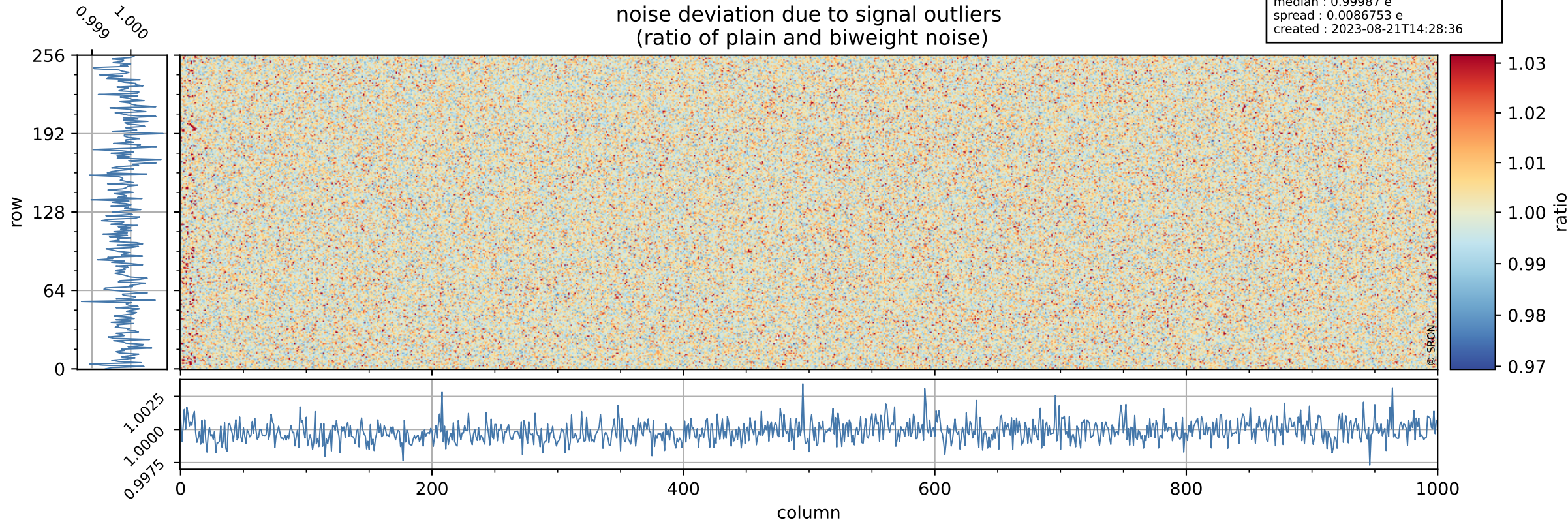




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
median : 0.99987 e  
spread : 0.0086753 e  
created : 2023-08-21T14:28:36

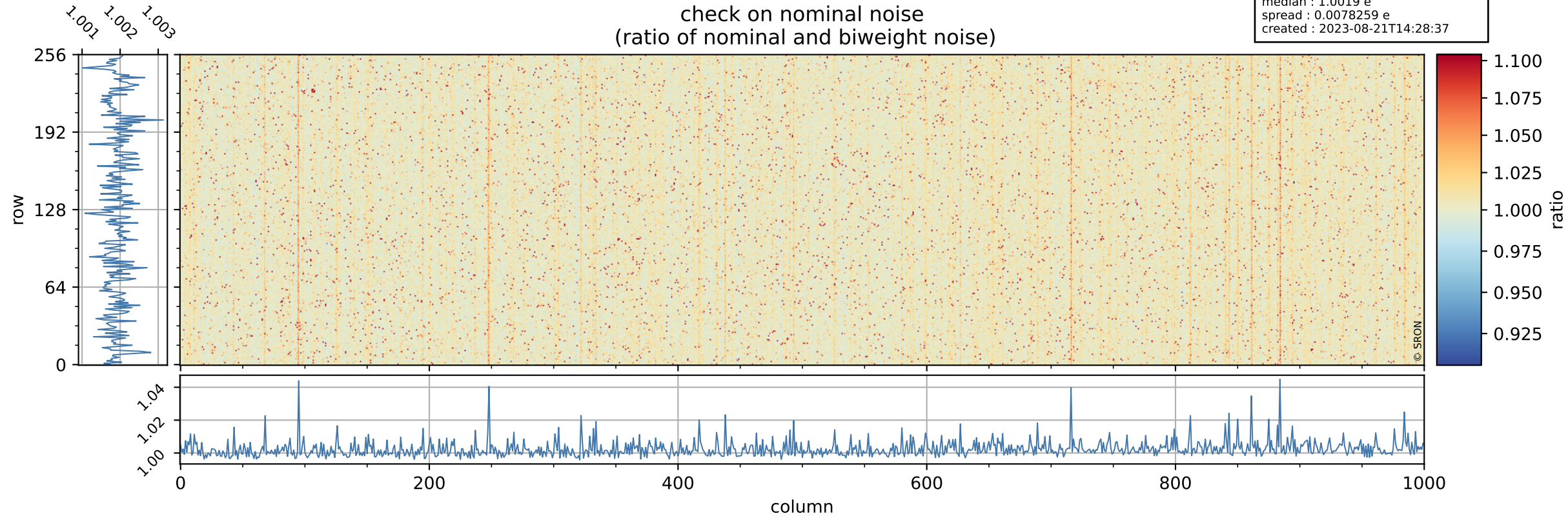




# Tropomi SWIR background noise (swir)

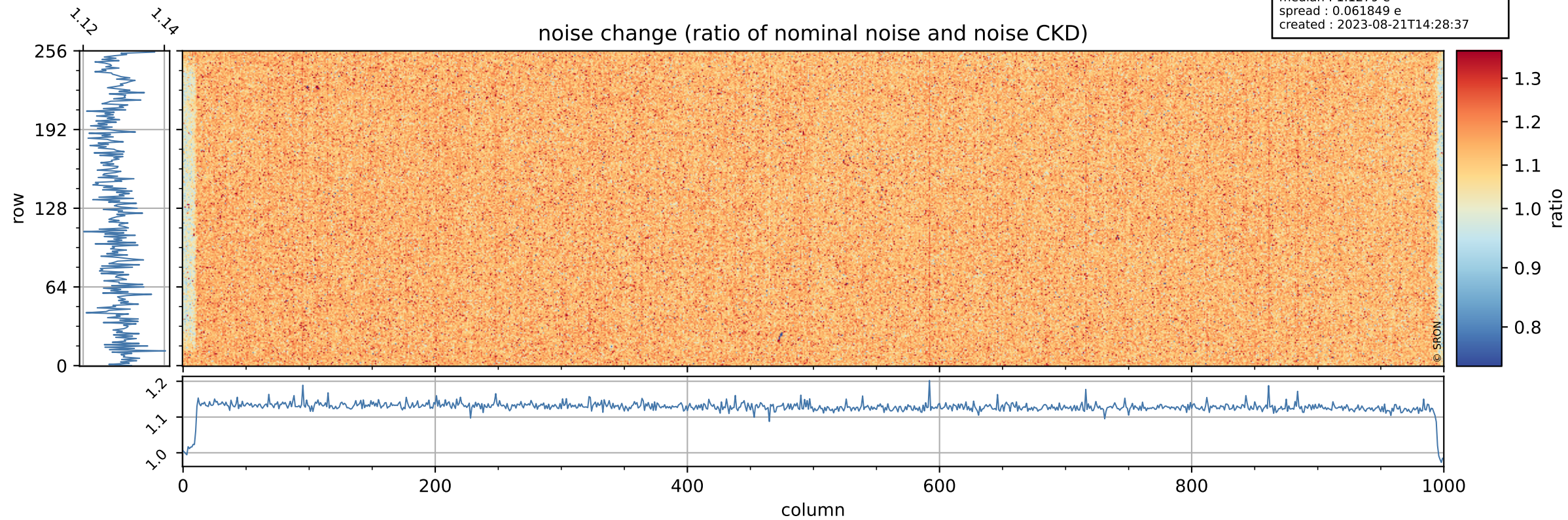
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
median : 1.0019 e  
spread : 0.0078259 e  
created : 2023-08-21T14:28:37



# Tropomi SWIR background noise (swir)

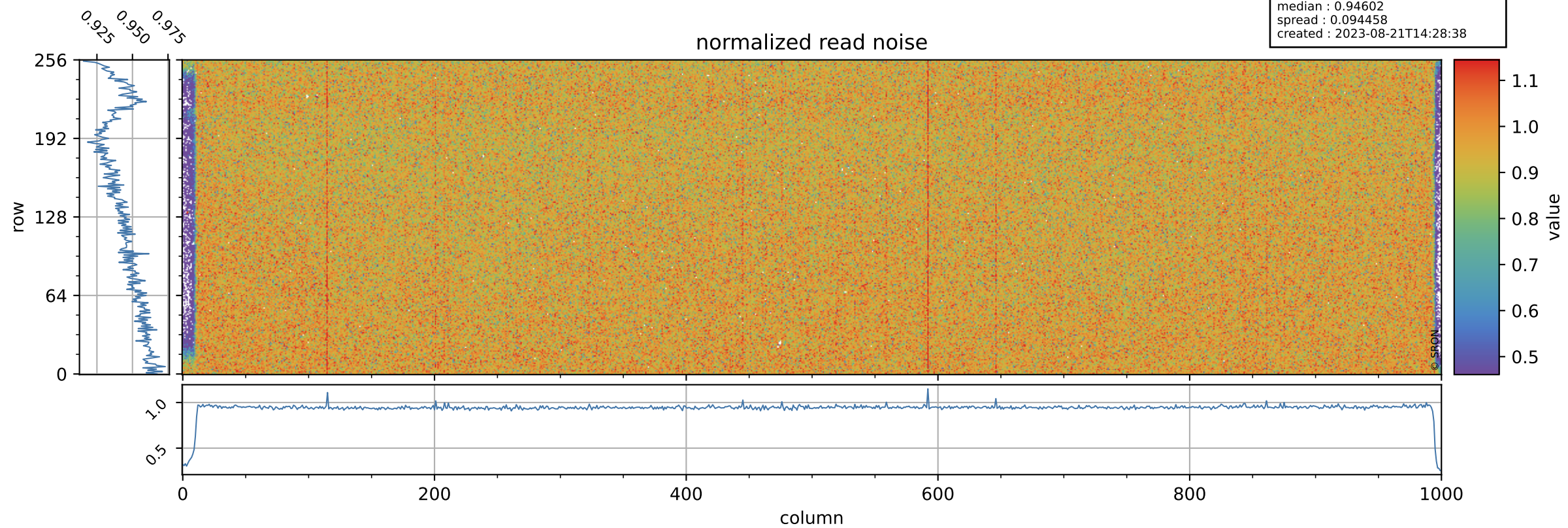
orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
median : 1.1279 e  
spread : 0.061849 e  
created : 2023-08-21T14:28:37





# Tropomi SWIR background noise (swir)

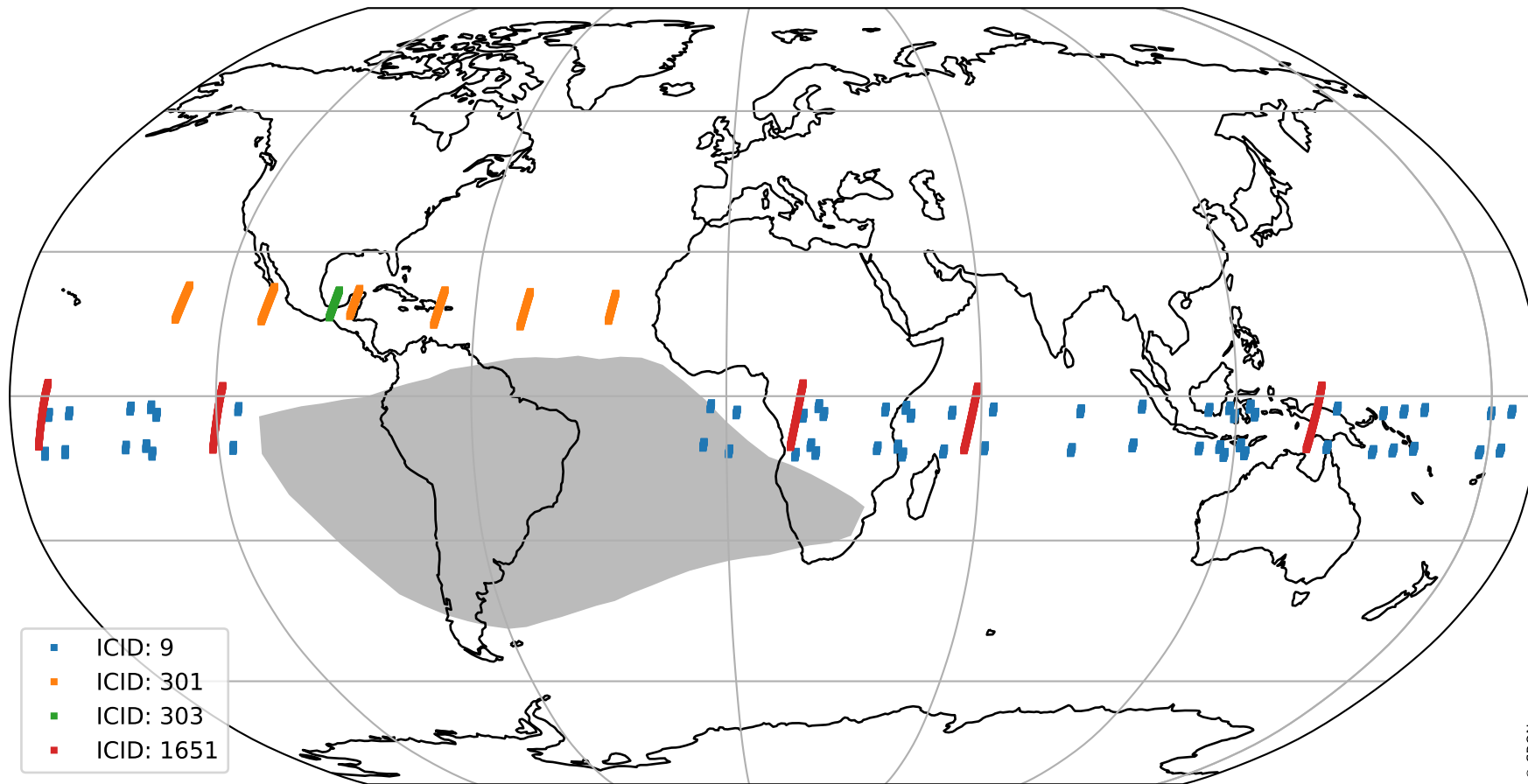
orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
median : 0.94602  
spread : 0.094458  
created : 2023-08-21T14:28:38





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

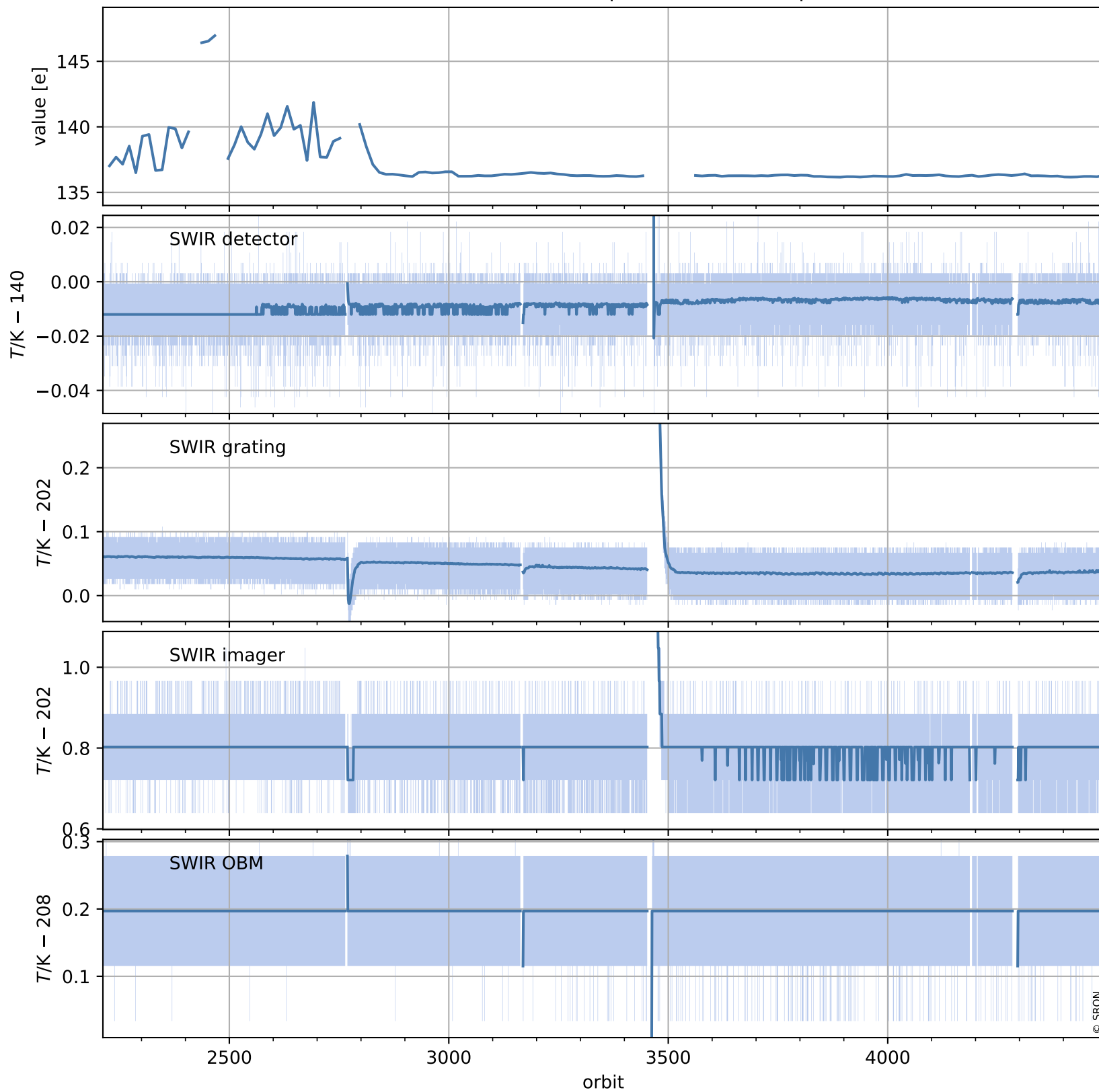
orbits : 12 in [4402, 4492]  
coverage : 2018-08-20 / 2018-08-25  
created : 2023-08-21T14:28:38



# Tropomi SWIR background noise (swir)

orbits : [2212, 4492]  
coverage : 2018-03-18 / 2018-08-25  
created : 2023-08-21T14:28:39

## trend of detector median of plain noise & temperatures

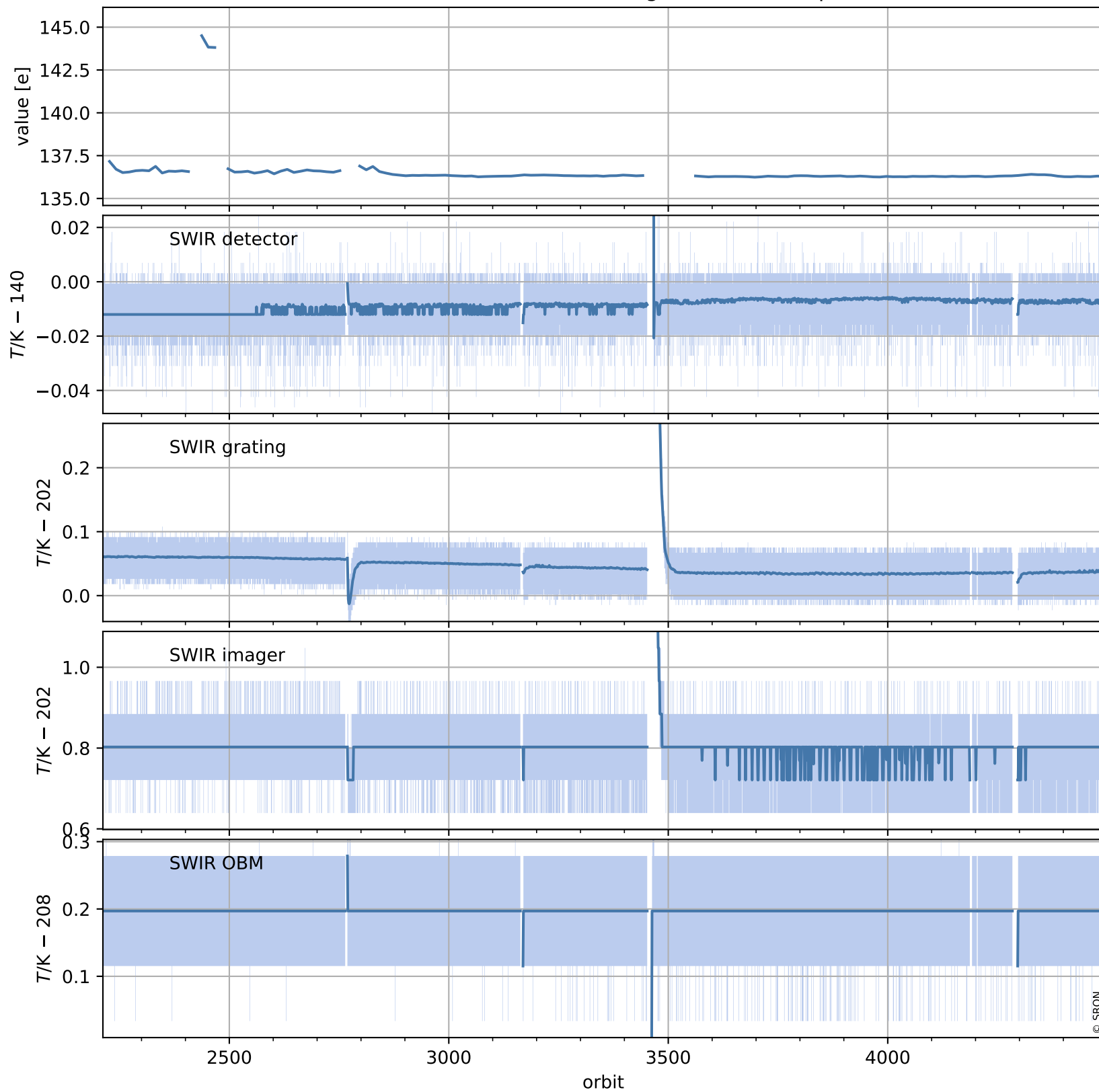




# Tropomi SWIR background noise (swir)

orbits : [2212, 4492]  
coverage : 2018-03-18 / 2018-08-25  
created : 2023-08-21T14:28:39

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4492]  
coverage : 2018-03-18 / 2018-08-25  
created : 2023-08-21T14:28:40

## trend of normalized read-noise & temperatures

