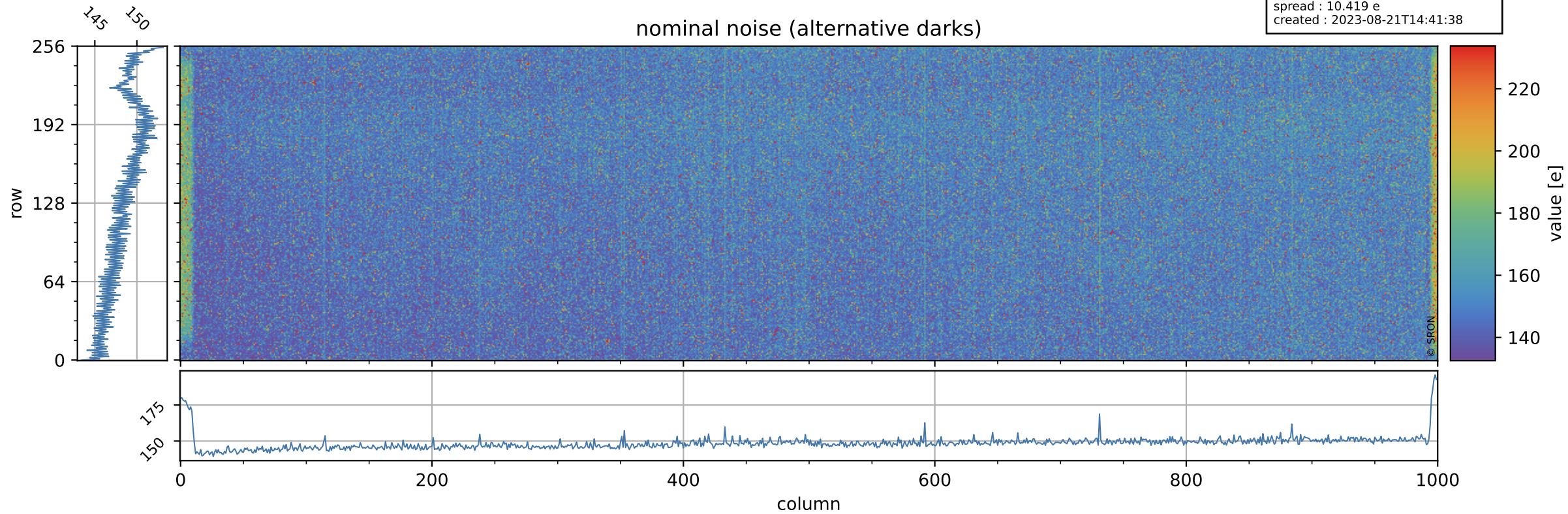


# Tropomi SWIR background noise (swir)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
n\_coad, t\_exp : 1, 1.0783  
median : 148.36 e  
spread : 10.419 e  
created : 2023-08-21T14:41:38

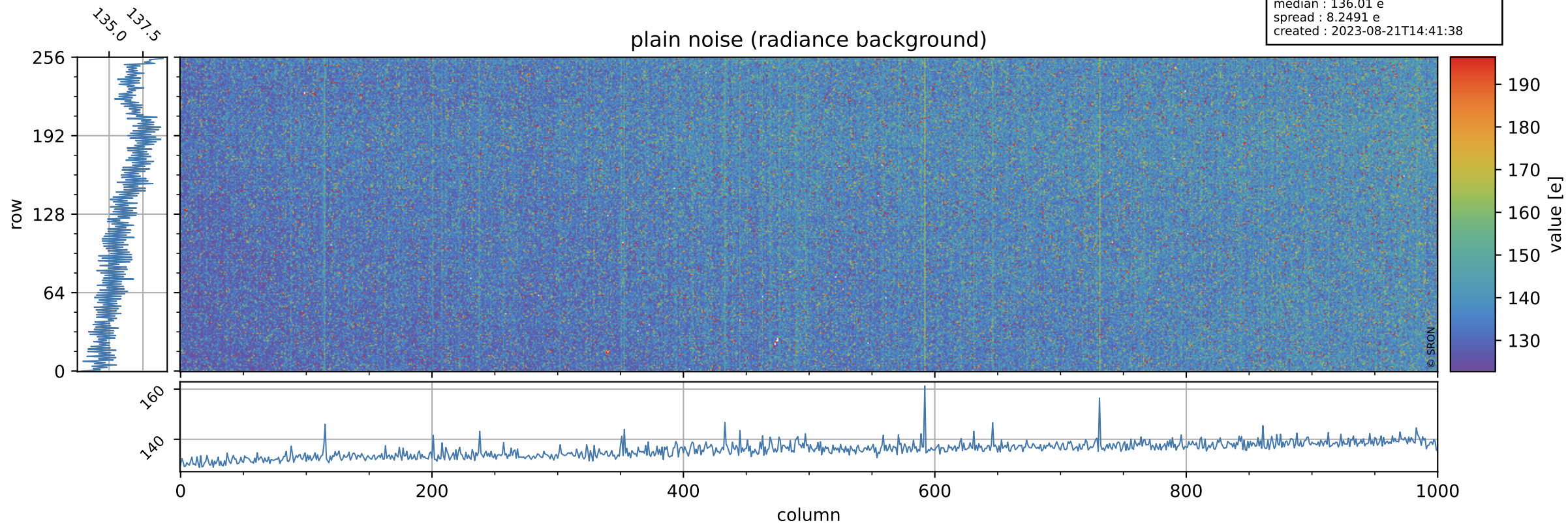
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
n\_coad, t\_exp : 2, 0.5383  
median : 136.01 e  
spread : 8.2491 e  
created : 2023-08-21T14:41:38

plain noise (radiance background)

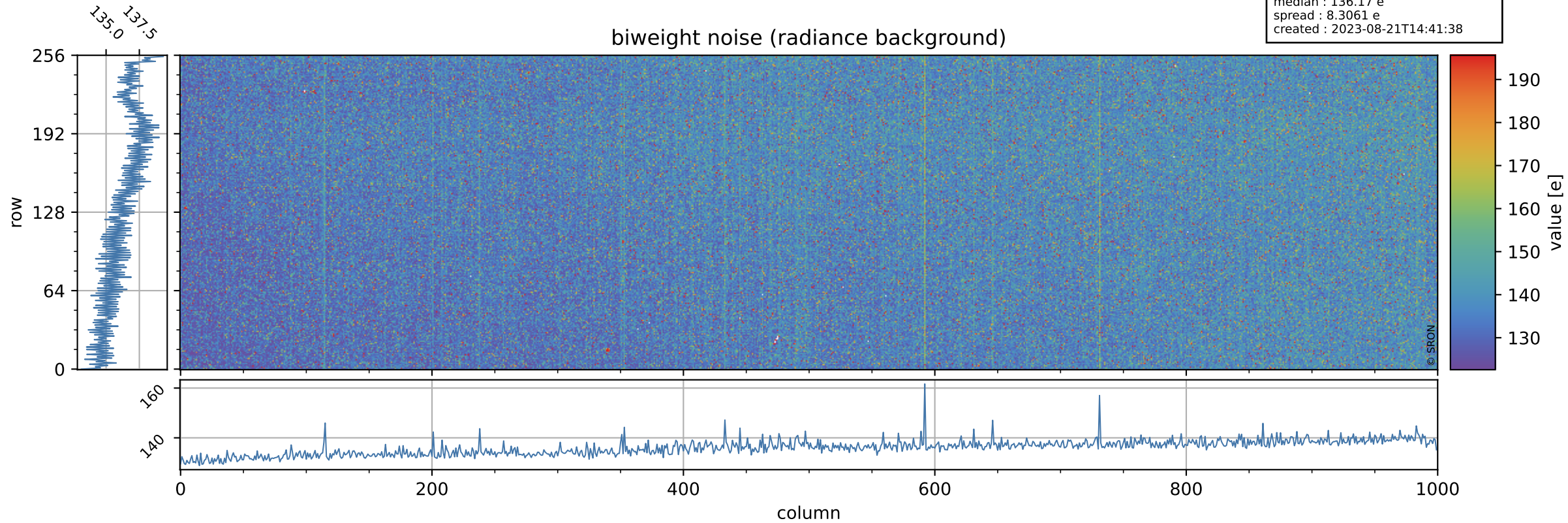




# Tropomi SWIR background noise (swir)

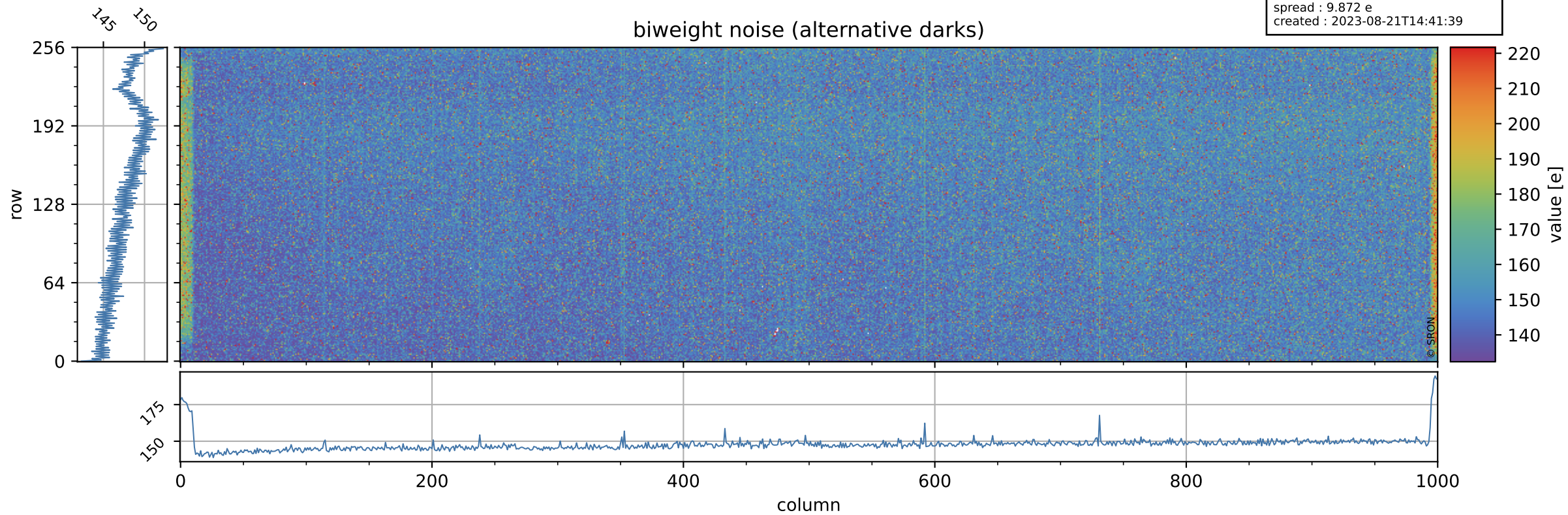
orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.3061 e  
created : 2023-08-21T14:41:38

## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 9.872 e  
created : 2023-08-21T14:41:39

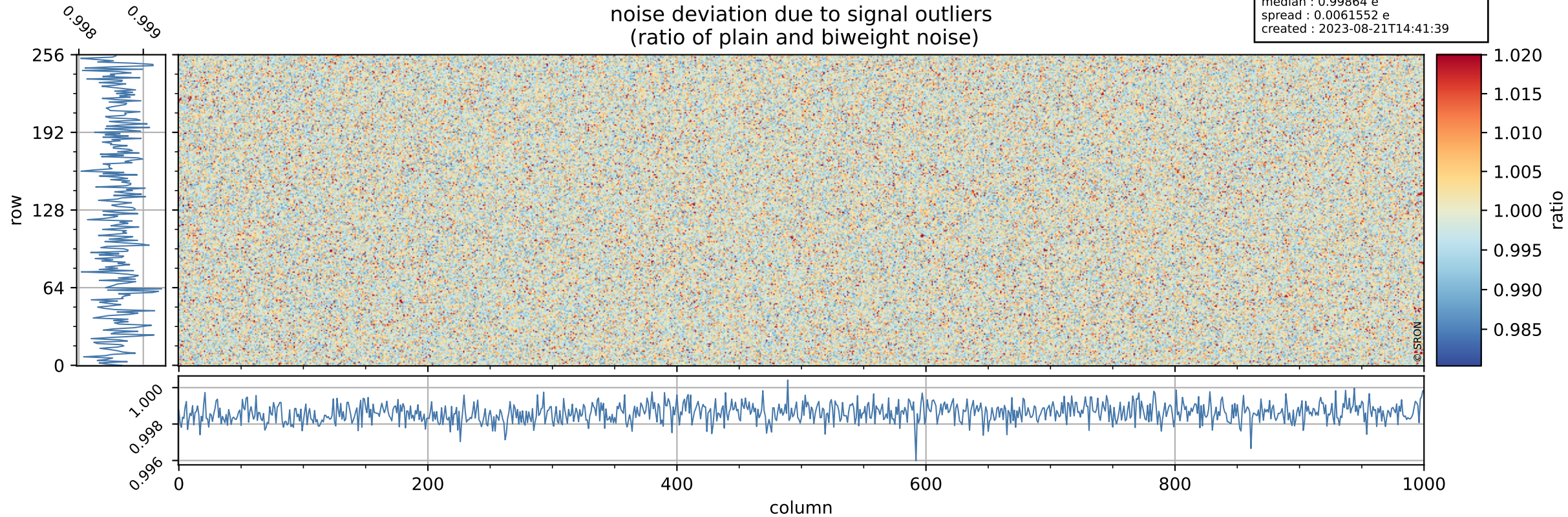




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
median : 0.99864 e  
spread : 0.0061552 e  
created : 2023-08-21T14:41:39

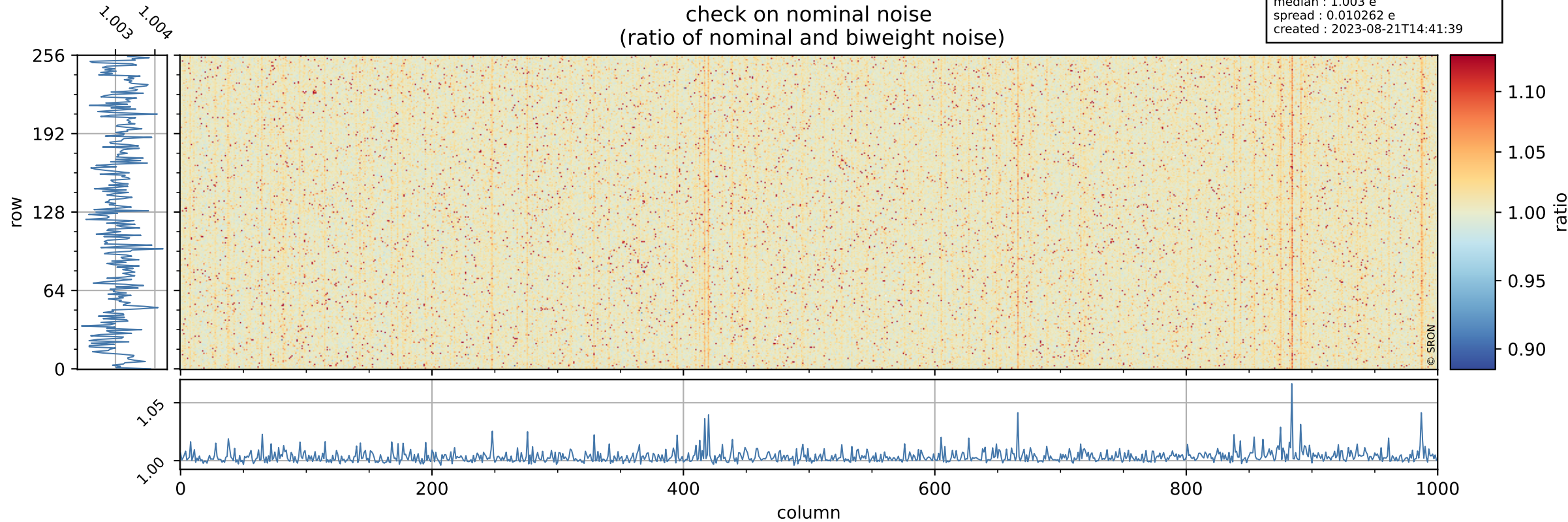




# Tropomi SWIR background noise (swir)

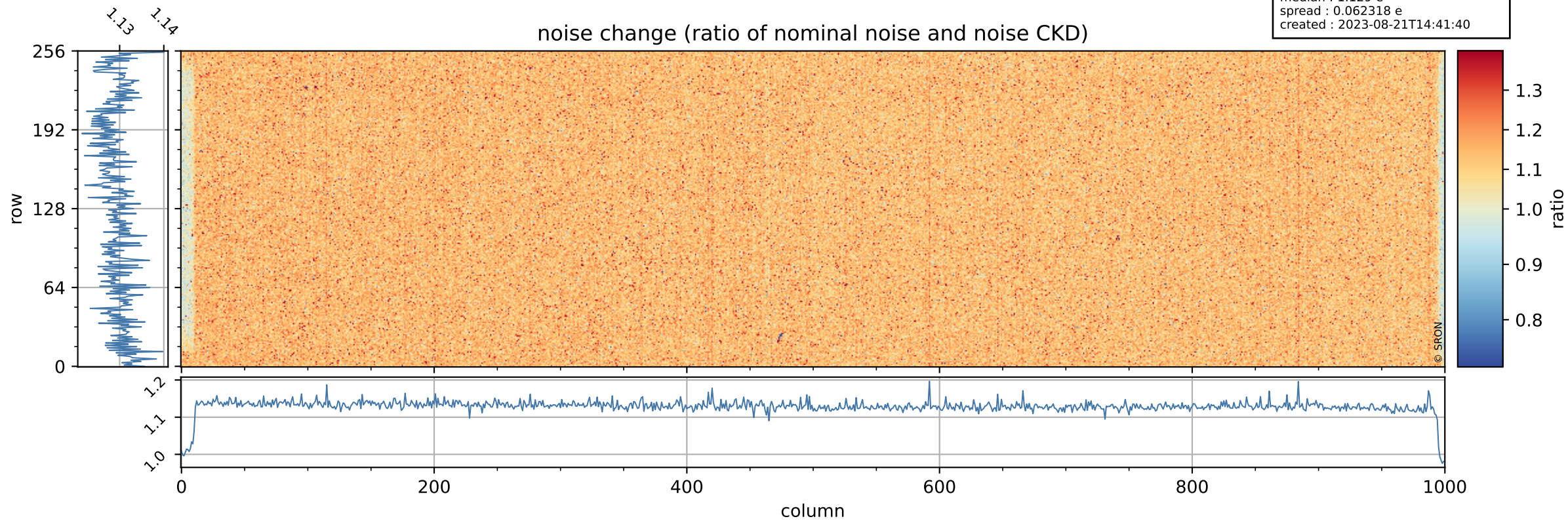
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
median : 1.003 e  
spread : 0.010262 e  
created : 2023-08-21T14:41:39



# Tropomi SWIR background noise (swir)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
median : 1.129 e  
spread : 0.062318 e  
created : 2023-08-21T14:41:40

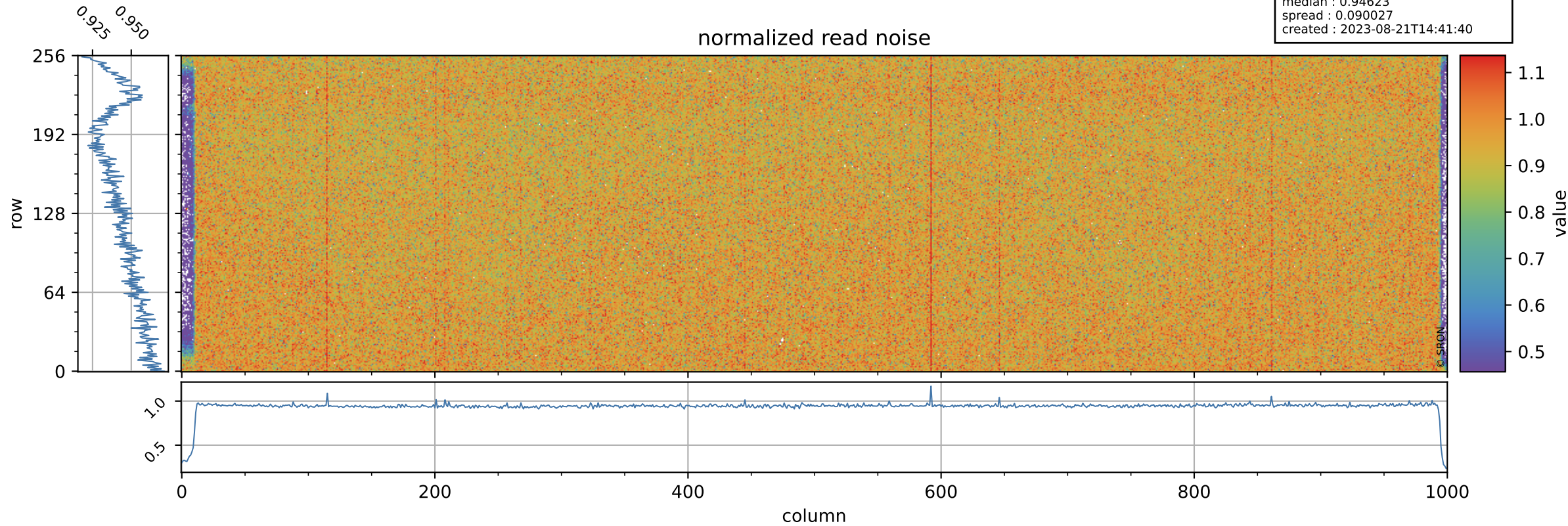




# Tropomi SWIR background noise (swir)

orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
median : 0.94623  
spread : 0.090027  
created : 2023-08-21T14:41:40

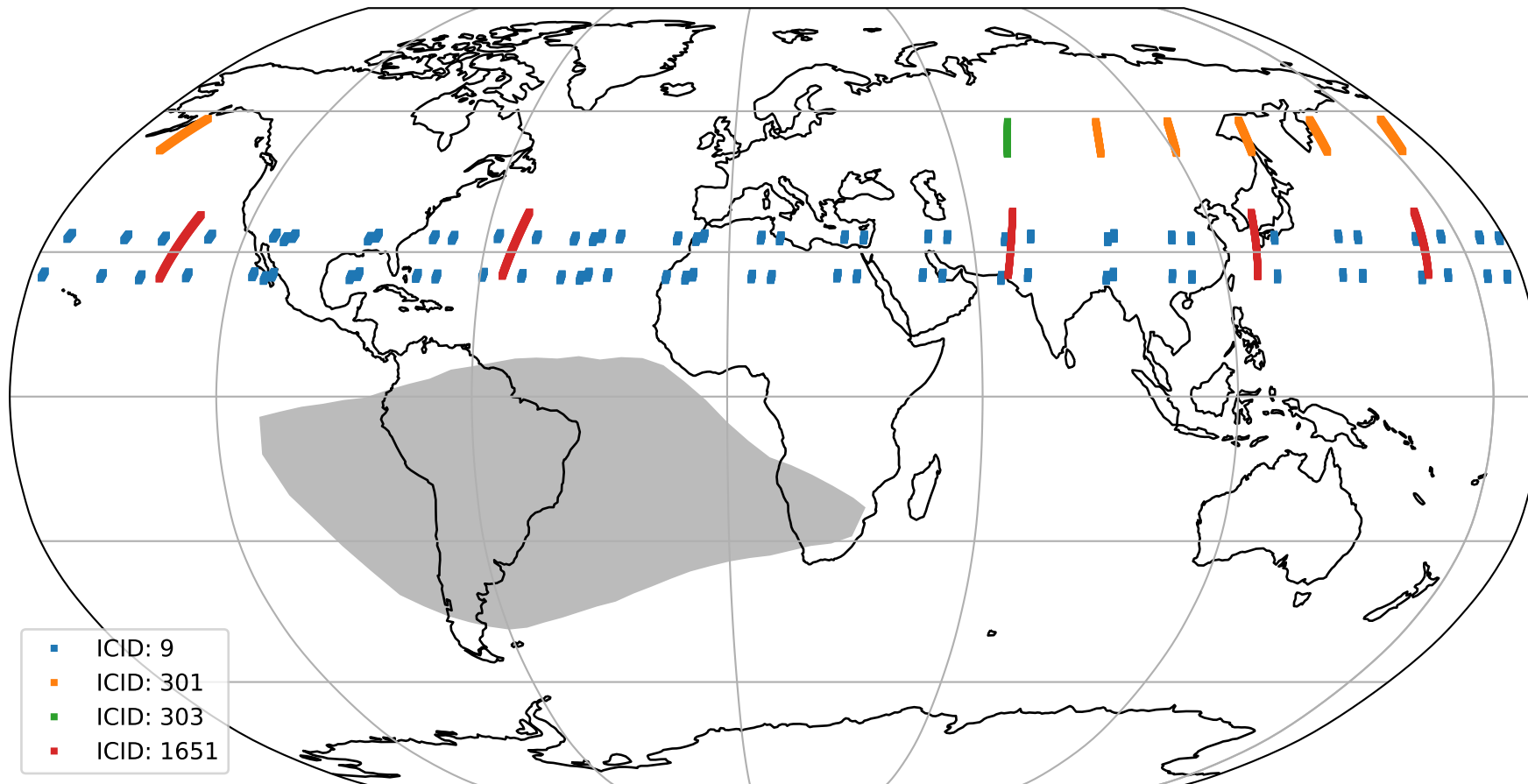
## normalized read noise





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

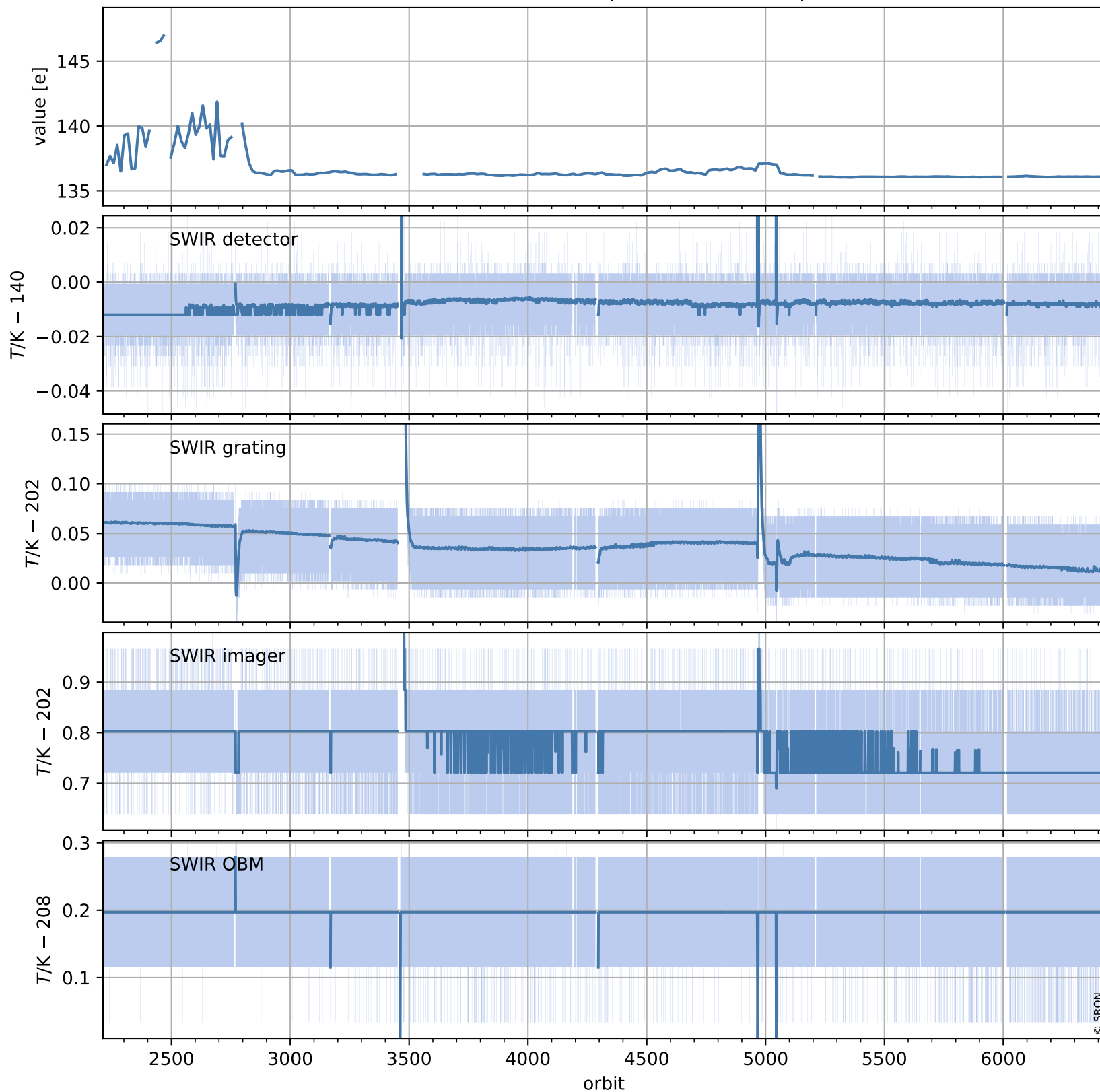
orbits : 12 in [6337, 6427]  
coverage : 2019-01-03 / 2019-01-09  
created : 2023-08-21T14:41:40



# Tropomi SWIR background noise (swir)

orbits : [2212, 6427]  
coverage : 2018-03-18 / 2019-01-09  
created : 2023-08-21T14:41:41

## trend of detector median of plain noise & temperatures

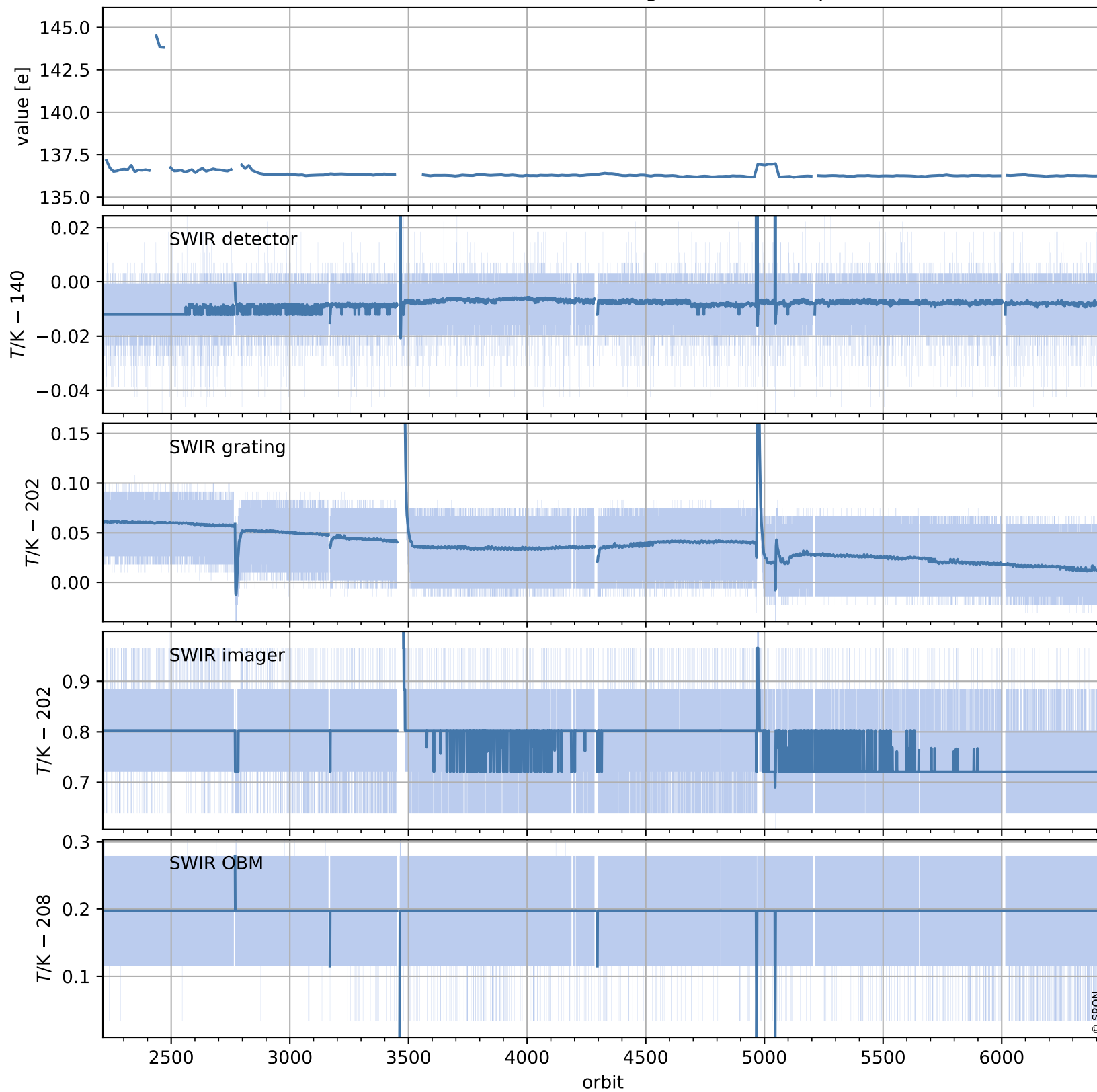




# Tropomi SWIR background noise (swir)

orbits : [2212, 6427]  
coverage : 2018-03-18 / 2019-01-09  
created : 2023-08-21T14:41:41

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6427]  
coverage : 2018-03-18 / 2019-01-09  
created : 2023-08-21T14:41:42

## trend of normalized read-noise & temperatures

