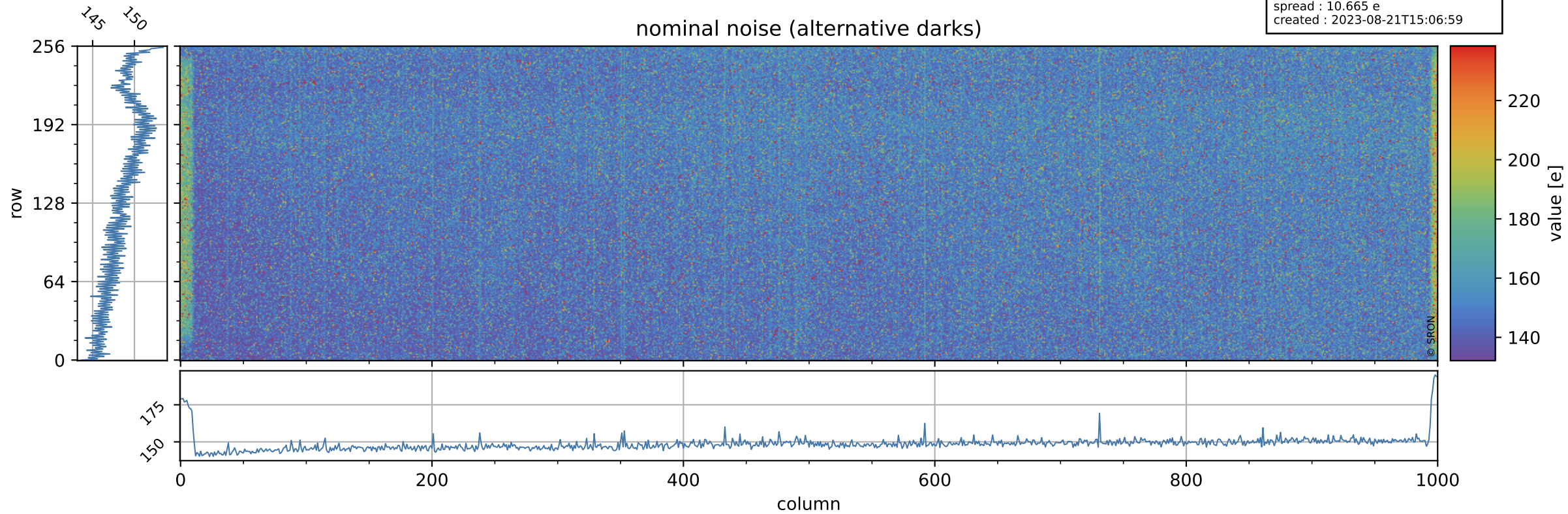


# Tropomi SWIR background noise (swir)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.42 e  
spread : 10.665 e  
created : 2023-08-21T15:06:59

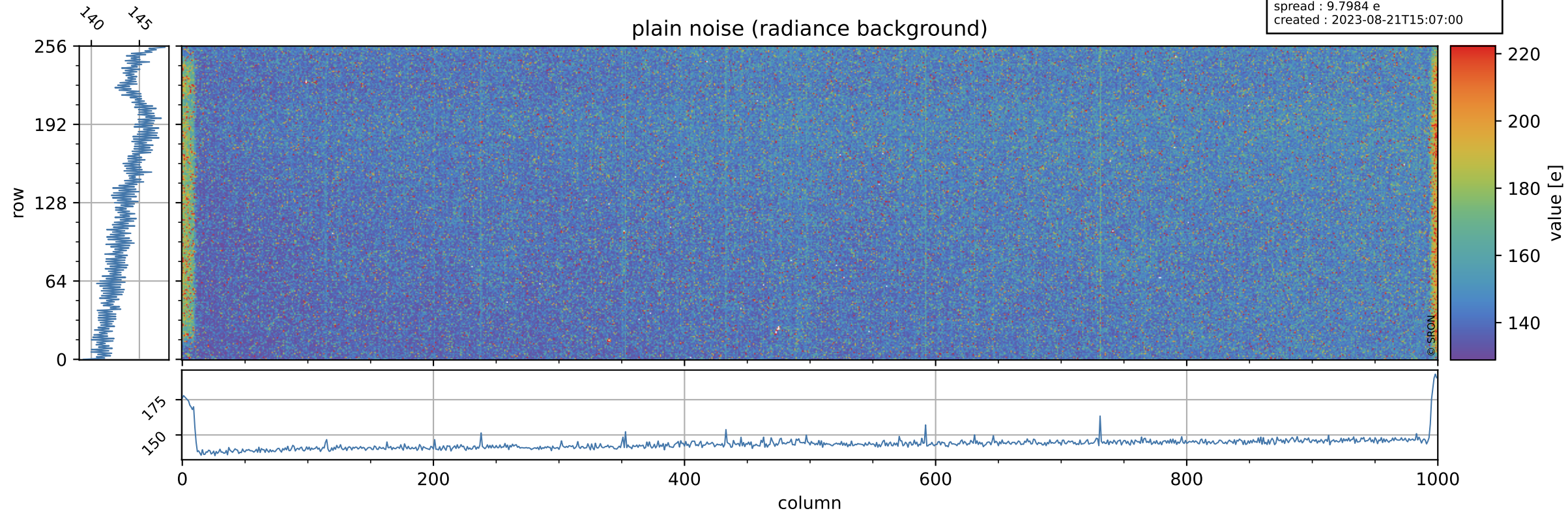
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.53 e  
spread : 9.7984 e  
created : 2023-08-21T15:07:00

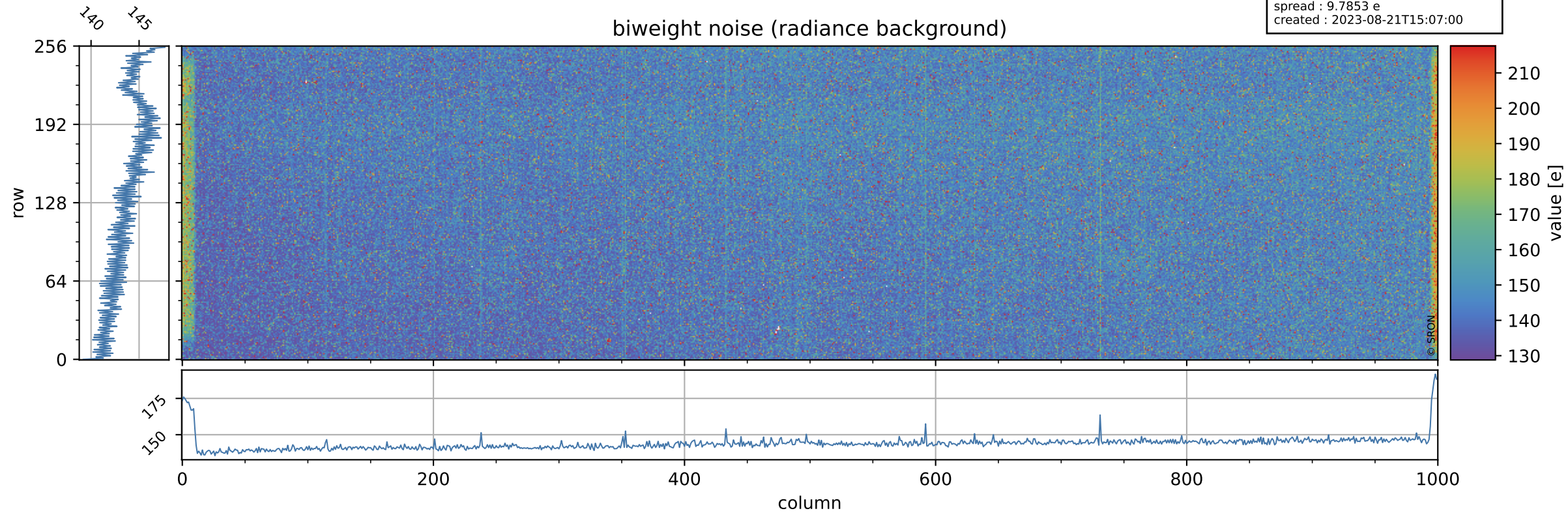
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.65 e  
spread : 9.7853 e  
created : 2023-08-21T15:07:00

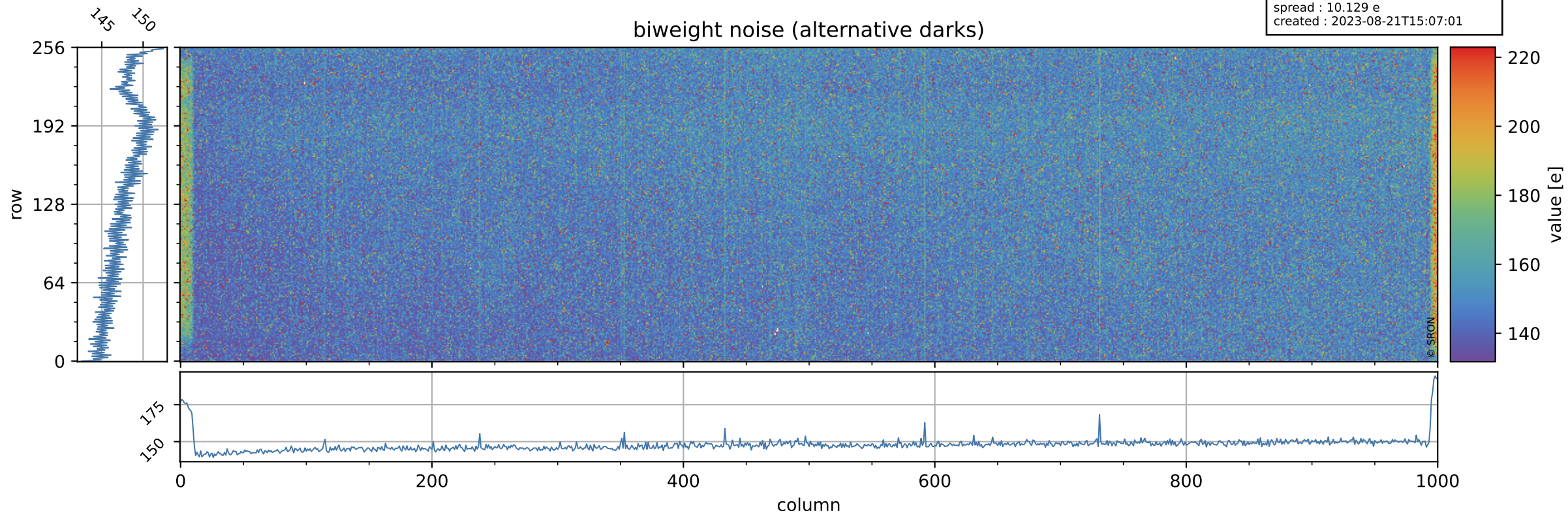
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 10.129 e  
created : 2023-08-21T15:07:01

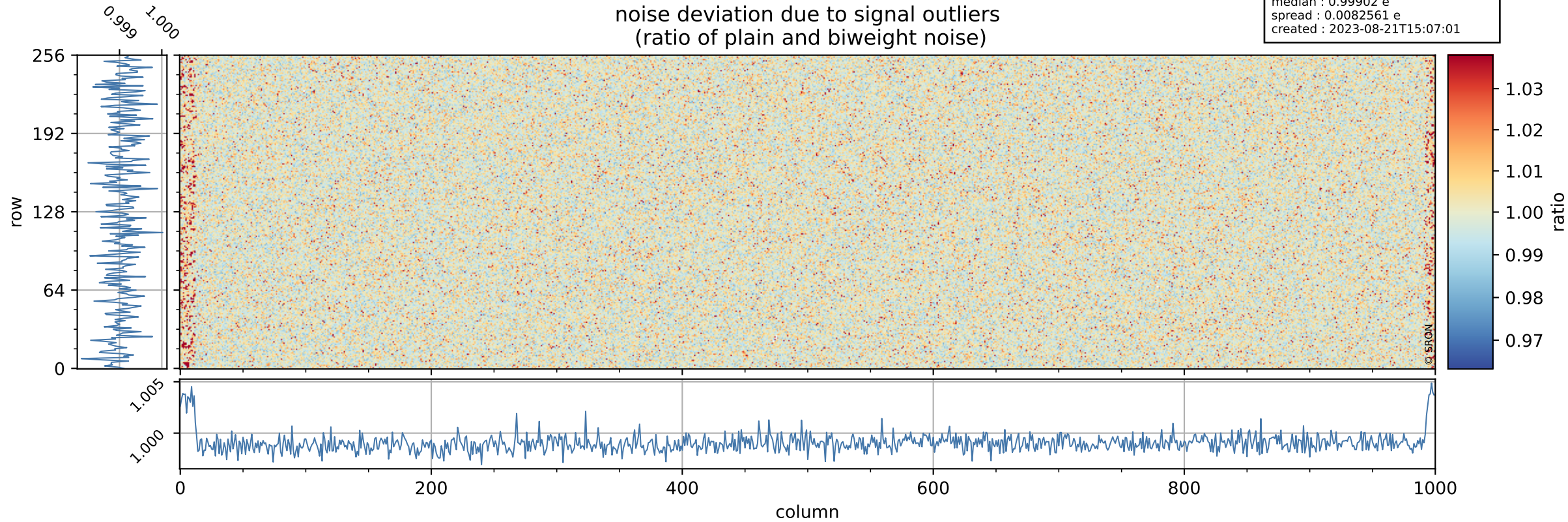
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

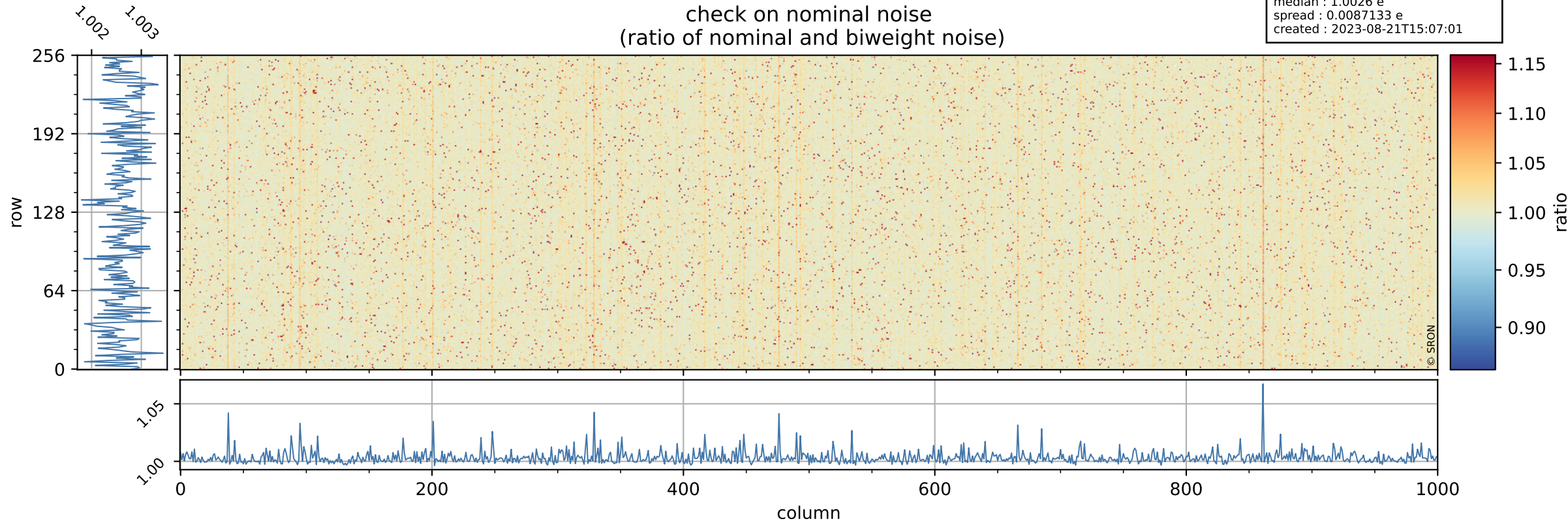
orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
median : 0.99902 e  
spread : 0.0082561 e  
created : 2023-08-21T15:07:01



# Tropomi SWIR background noise (swir)

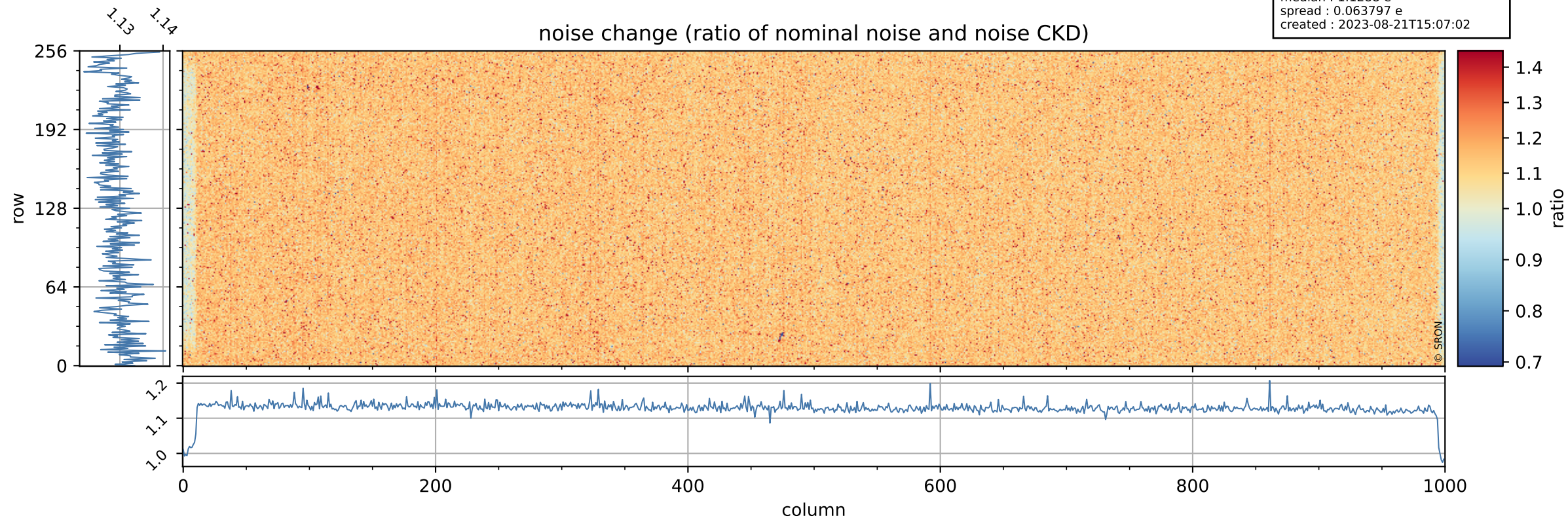
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
median : 1.0026 e  
spread : 0.0087133 e  
created : 2023-08-21T15:07:01



# Tropomi SWIR background noise (swir)

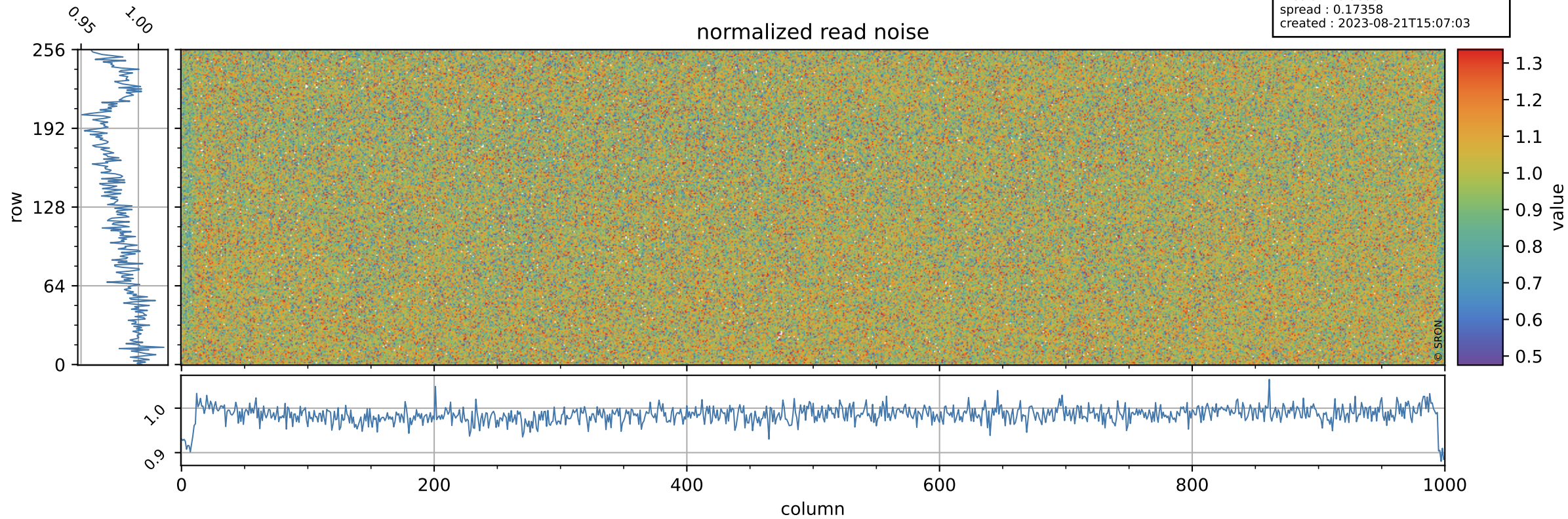
orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
median : 1.1288 e  
spread : 0.063797 e  
created : 2023-08-21T15:07:02



# Tropomi SWIR background noise (swir)

orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
median : 0.9835  
spread : 0.17358  
created : 2023-08-21T15:07:03

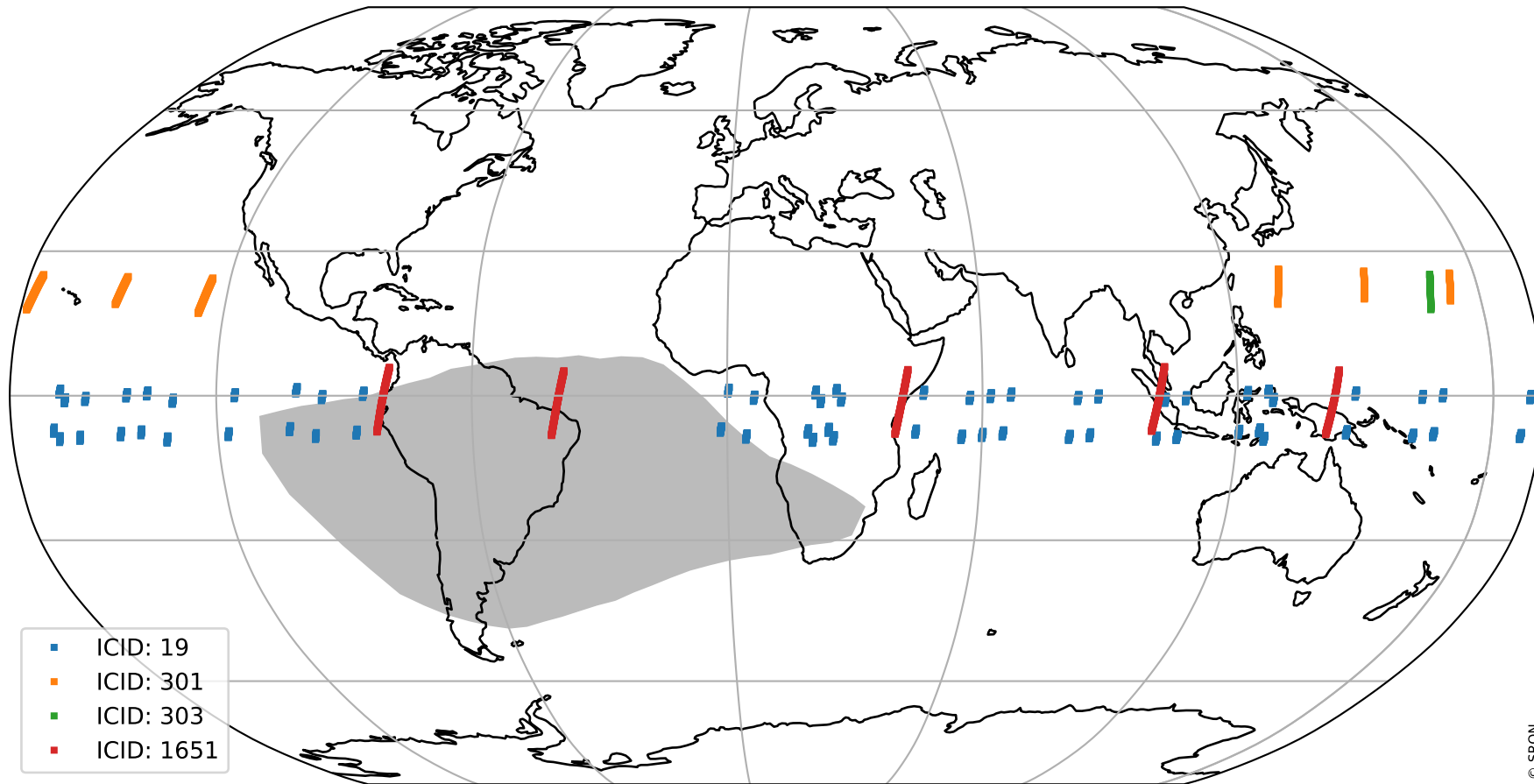
normalized read noise





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

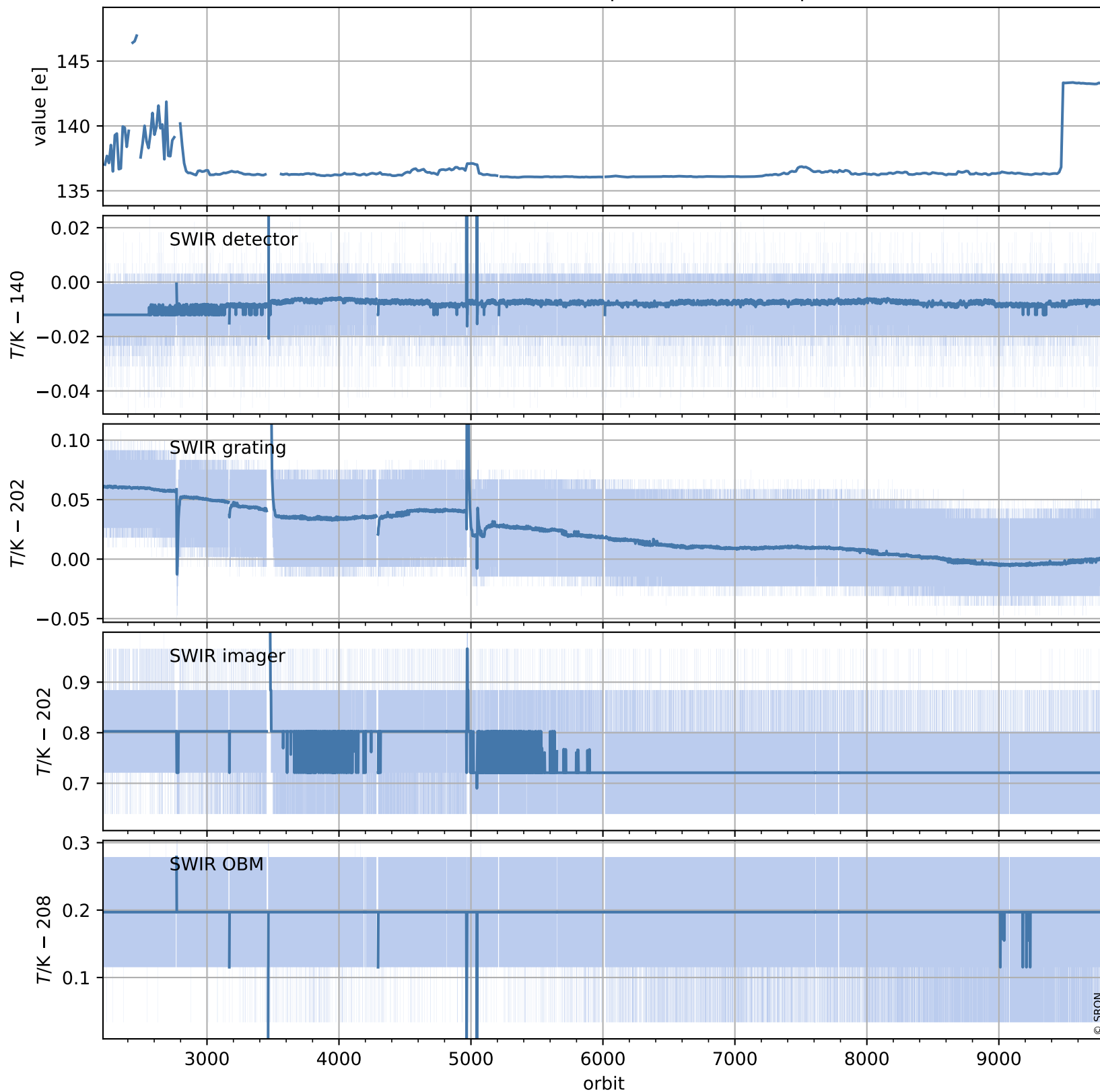
orbits : 12 in [9712, 9802]  
coverage : 2019-08-29 / 2019-09-03  
created : 2023-08-21T15:07:03



# Tropomi SWIR background noise (swir)

orbits : [2212, 9802]  
coverage : 2018-03-18 / 2019-09-03  
created : 2023-08-21T15:07:04

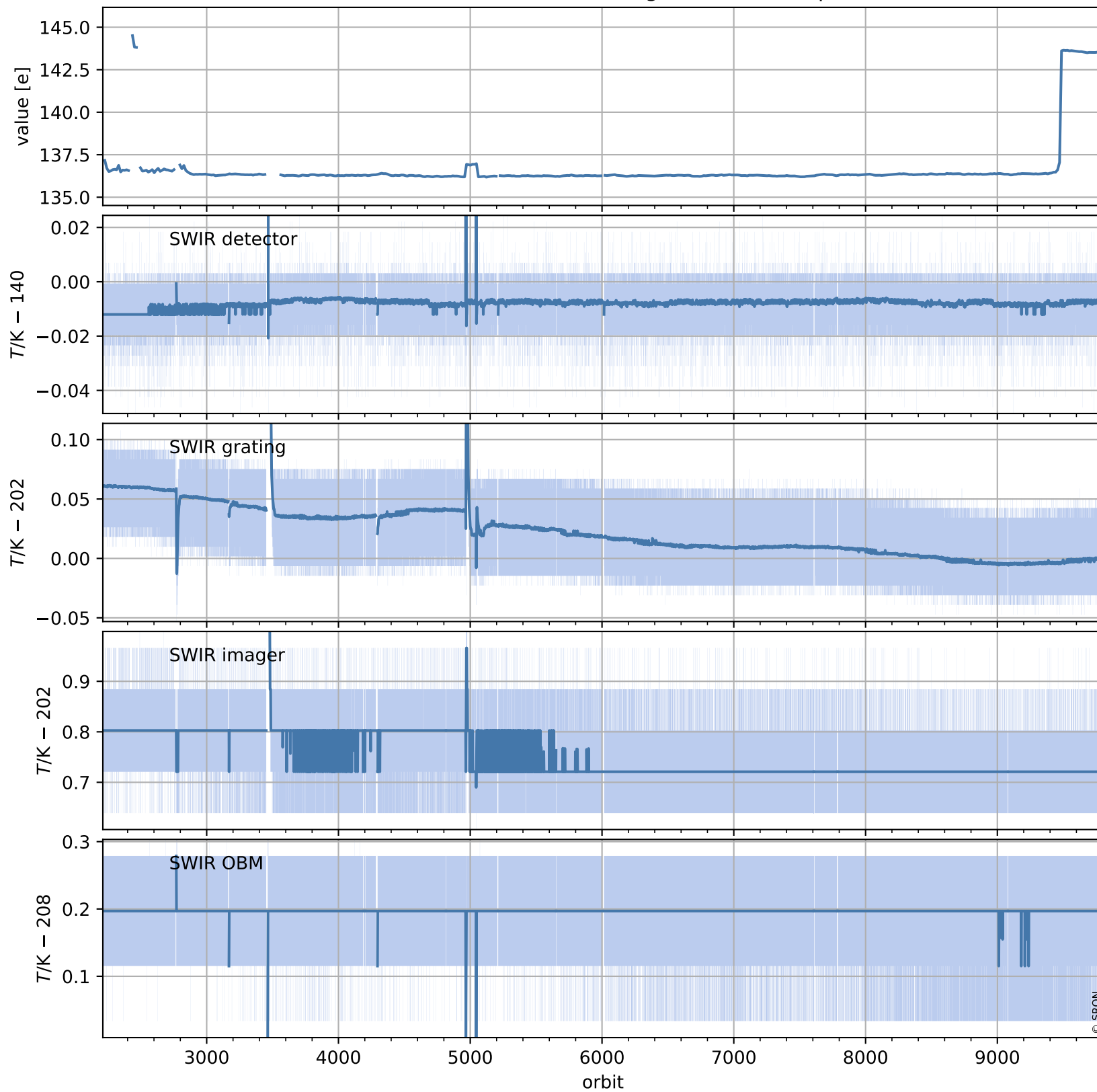
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9802]  
coverage : 2018-03-18 / 2019-09-03  
created : 2023-08-21T15:07:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9802]  
coverage : 2018-03-18 / 2019-09-03  
created : 2023-08-21T15:07:05

## trend of normalized read-noise & temperatures

