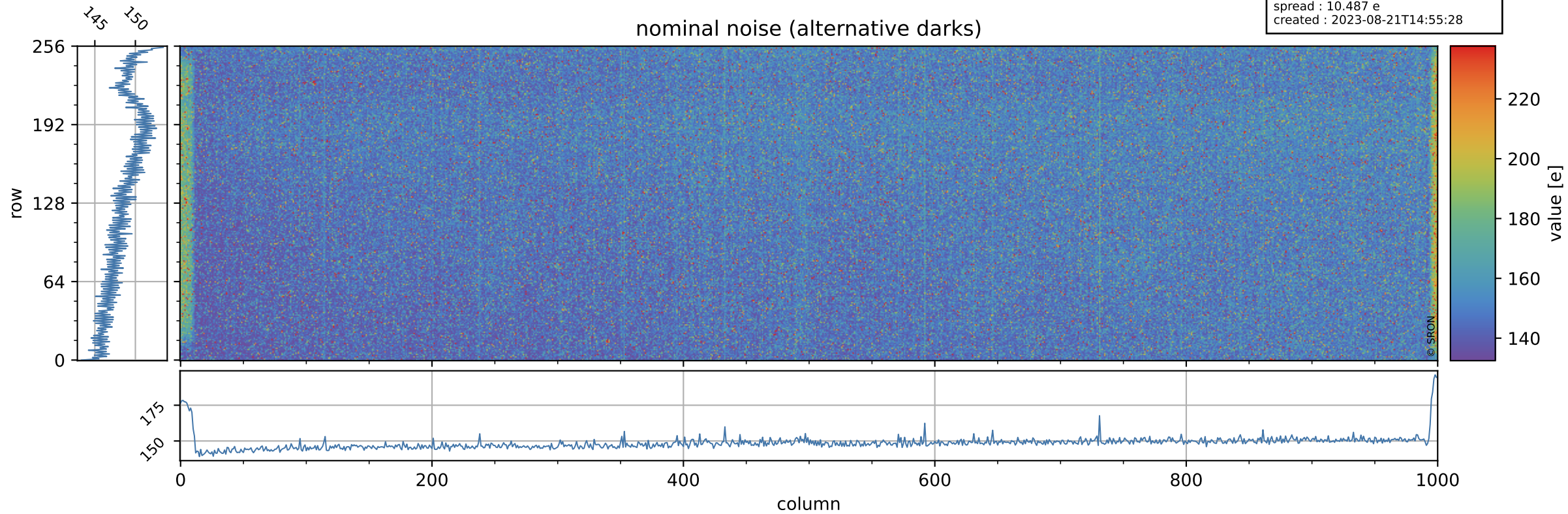


# Tropomi SWIR background noise (swir)

orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.44 e  
spread : 10.487 e  
created : 2023-08-21T14:55:28

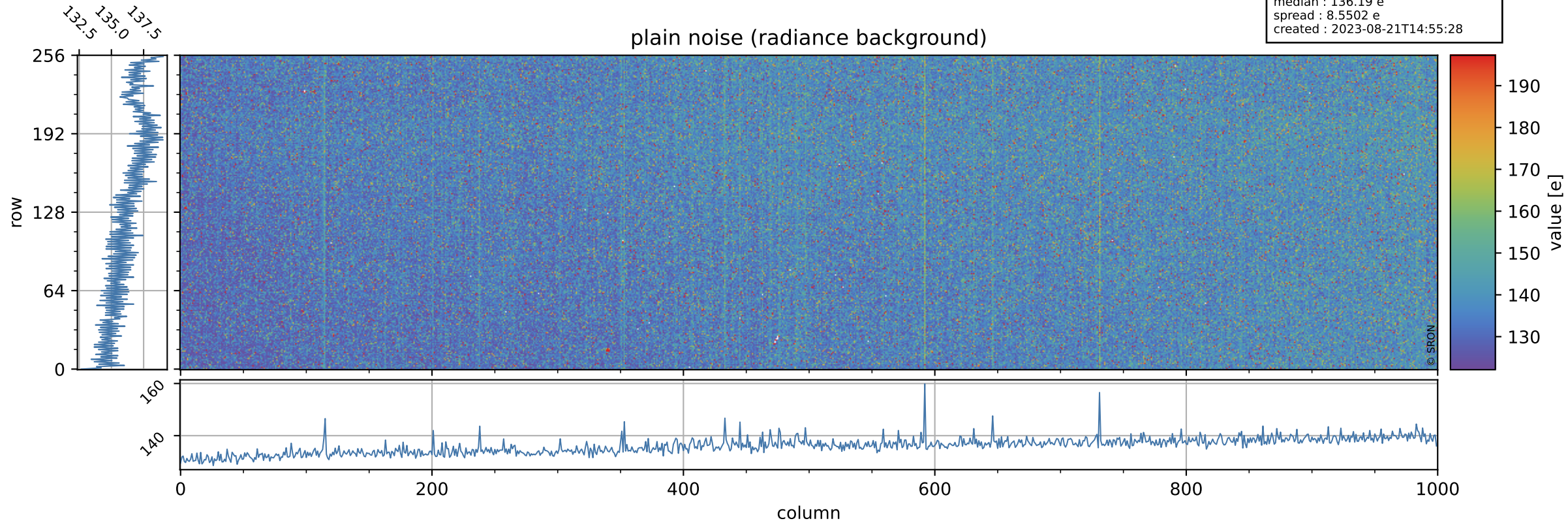
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.19 e  
spread : 8.5502 e  
created : 2023-08-21T14:55:28

## plain noise (radiance background)

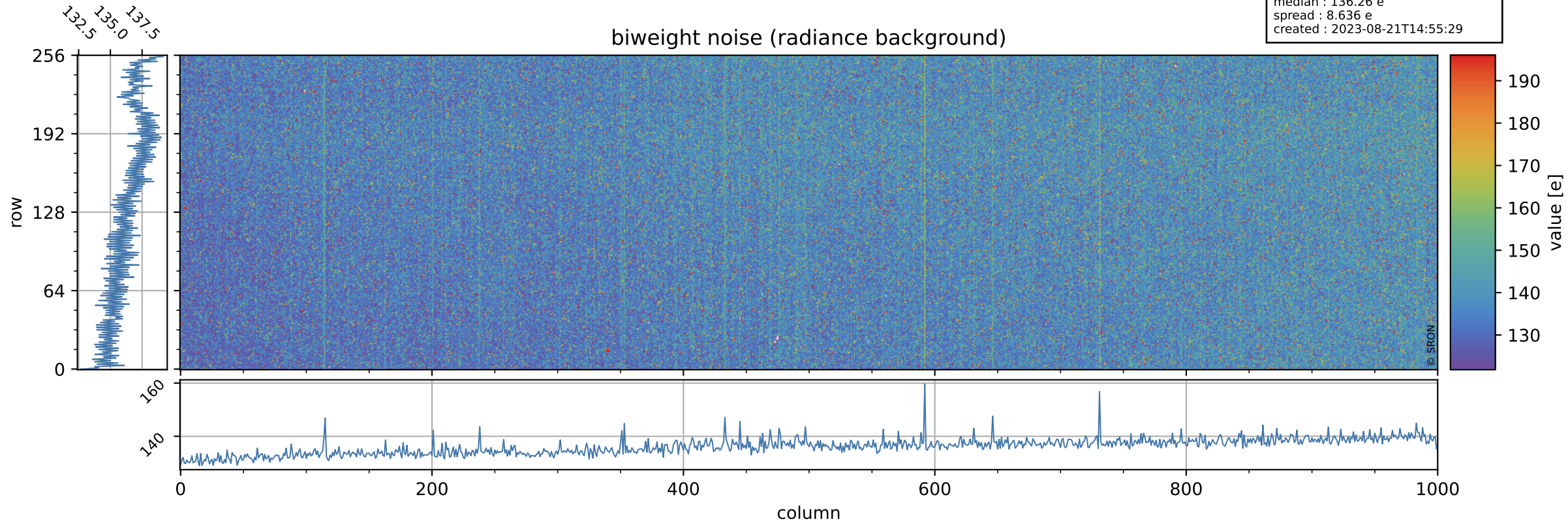




# Tropomi SWIR background noise (swir)

orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.636 e  
created : 2023-08-21T14:55:29

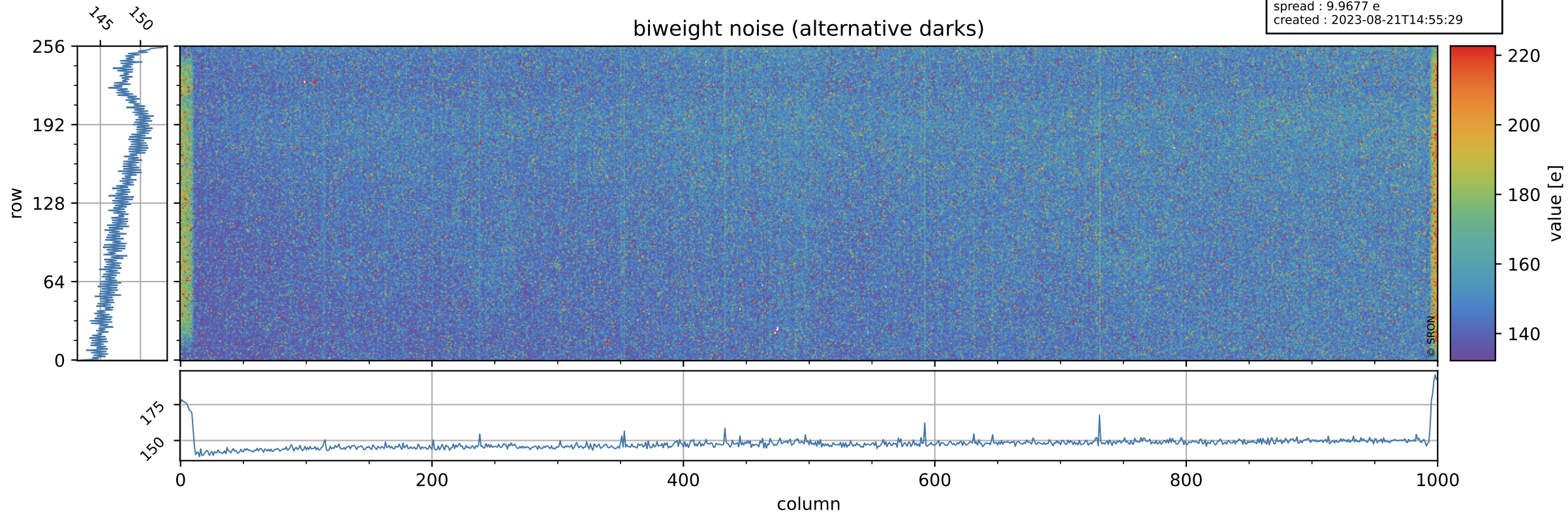
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 9.9677 e  
created : 2023-08-21T14:55:29

## biweight noise (alternative darks)

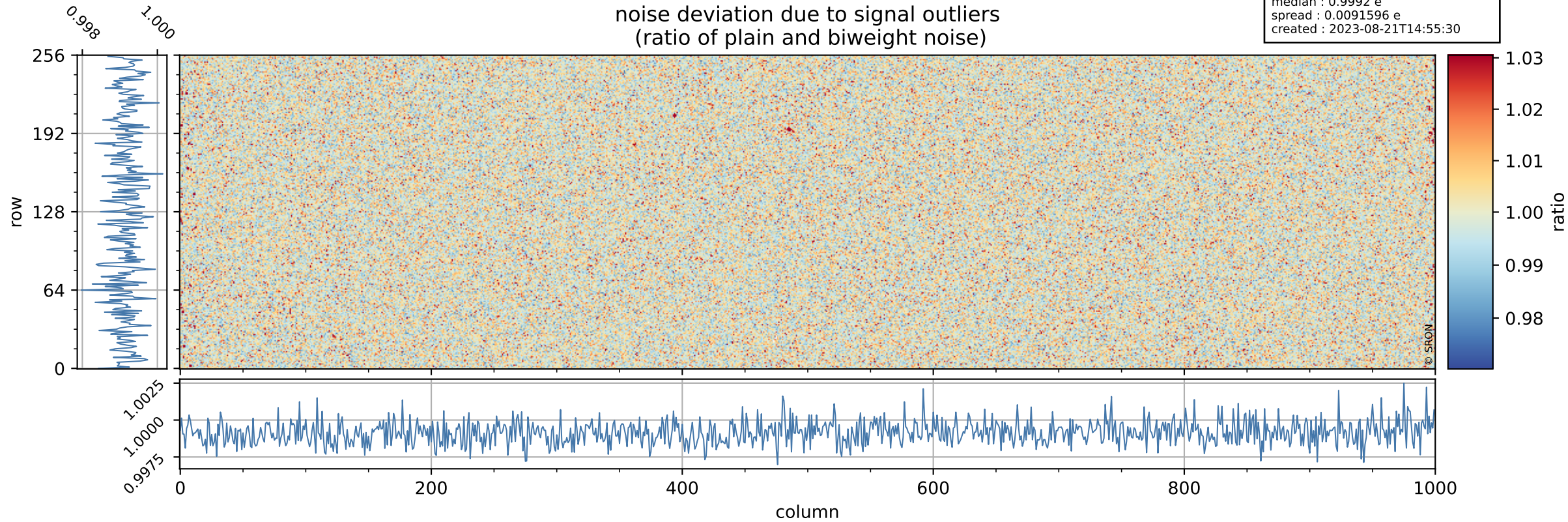




# Tropomi SWIR background noise (swir)

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

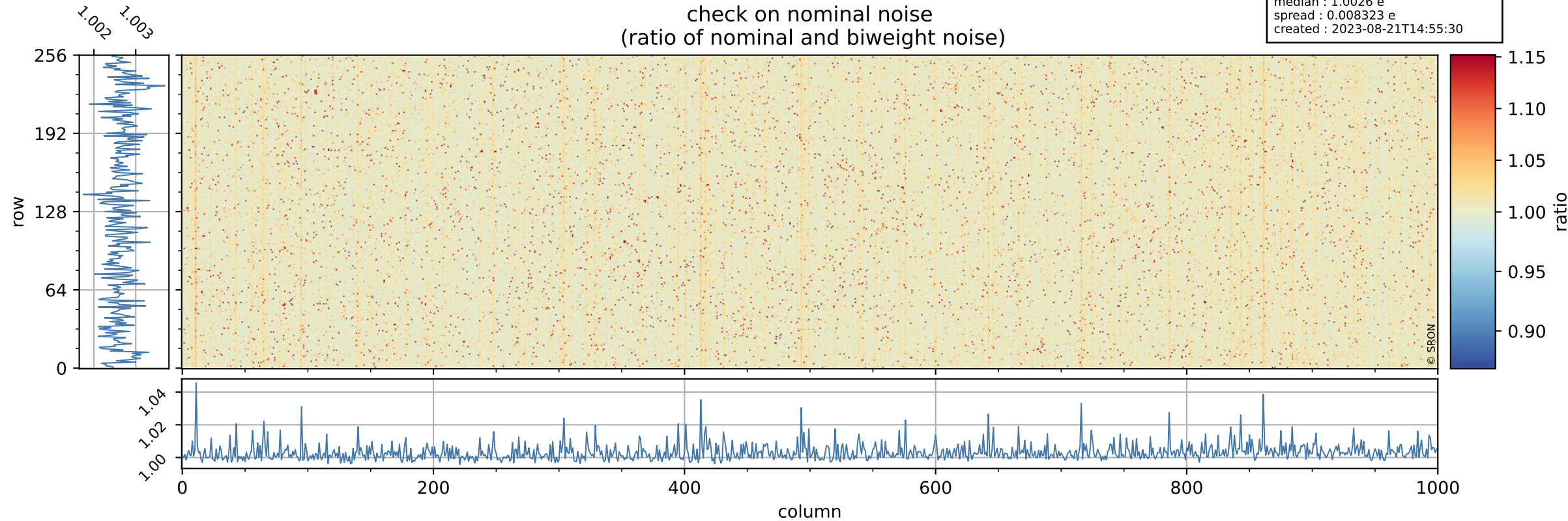
orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
median : 0.9992 e  
spread : 0.0091596 e  
created : 2023-08-21T14:55:30



# Tropomi SWIR background noise (swir)

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

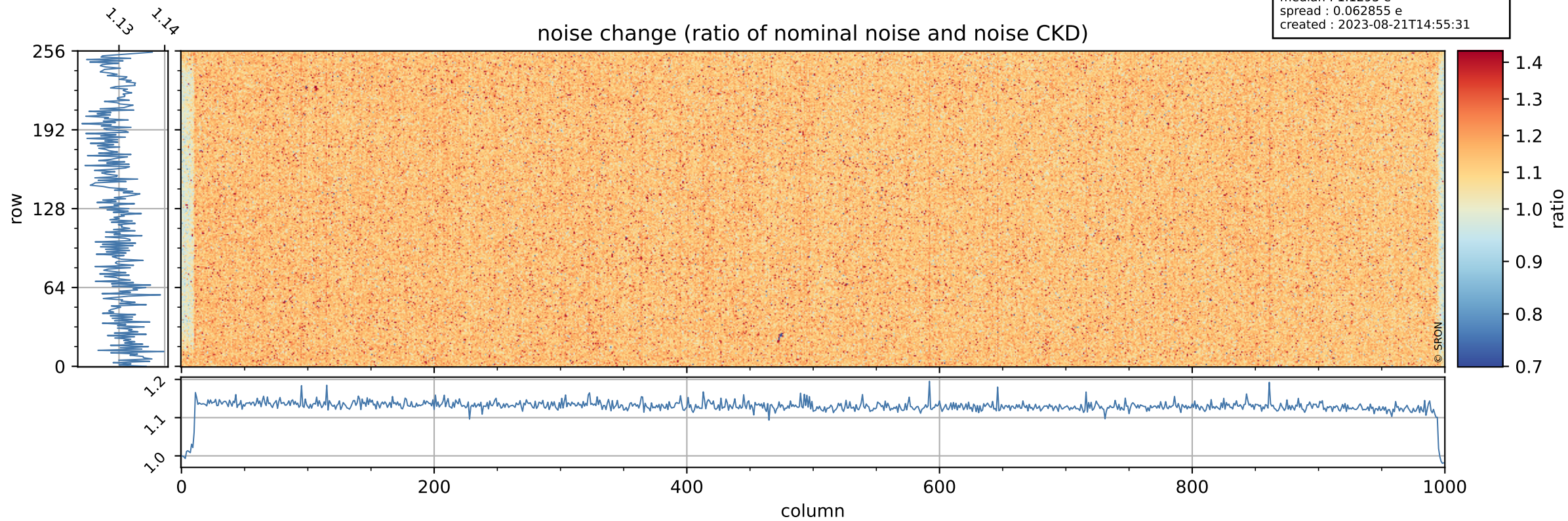
orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
median : 1.0026 e  
spread : 0.008323 e  
created : 2023-08-21T14:55:30





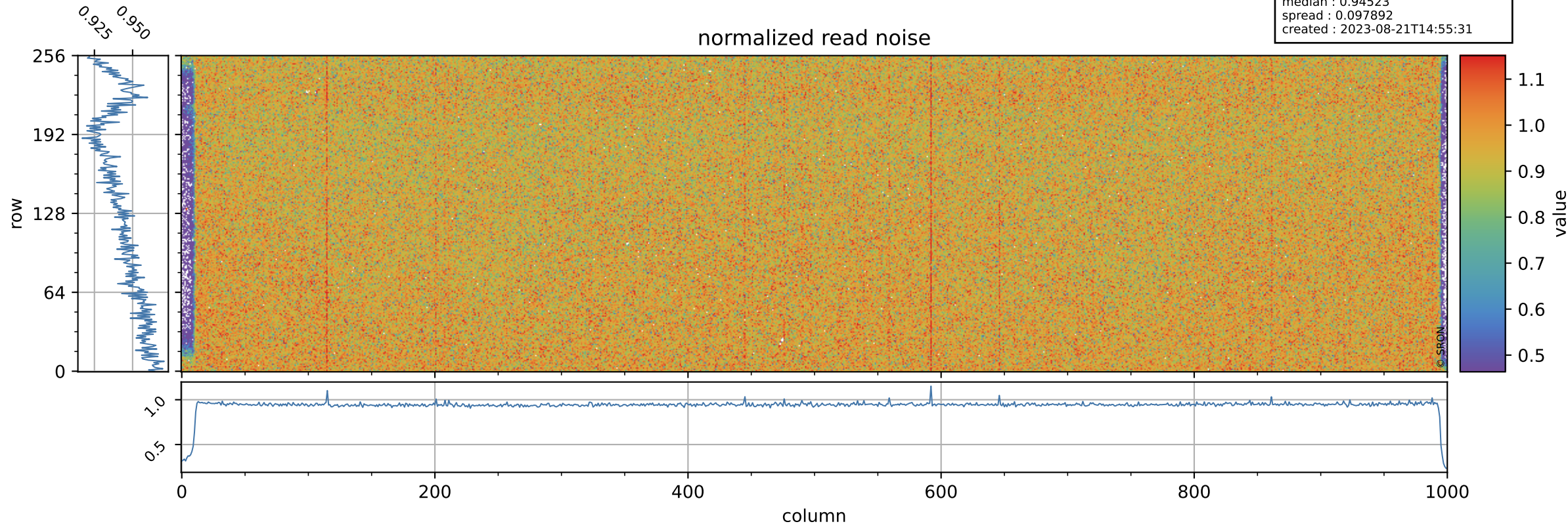
# Tropomi SWIR background noise (swir)

orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
median : 1.1293 e  
spread : 0.062855 e  
created : 2023-08-21T14:55:31



# Tropomi SWIR background noise (swir)

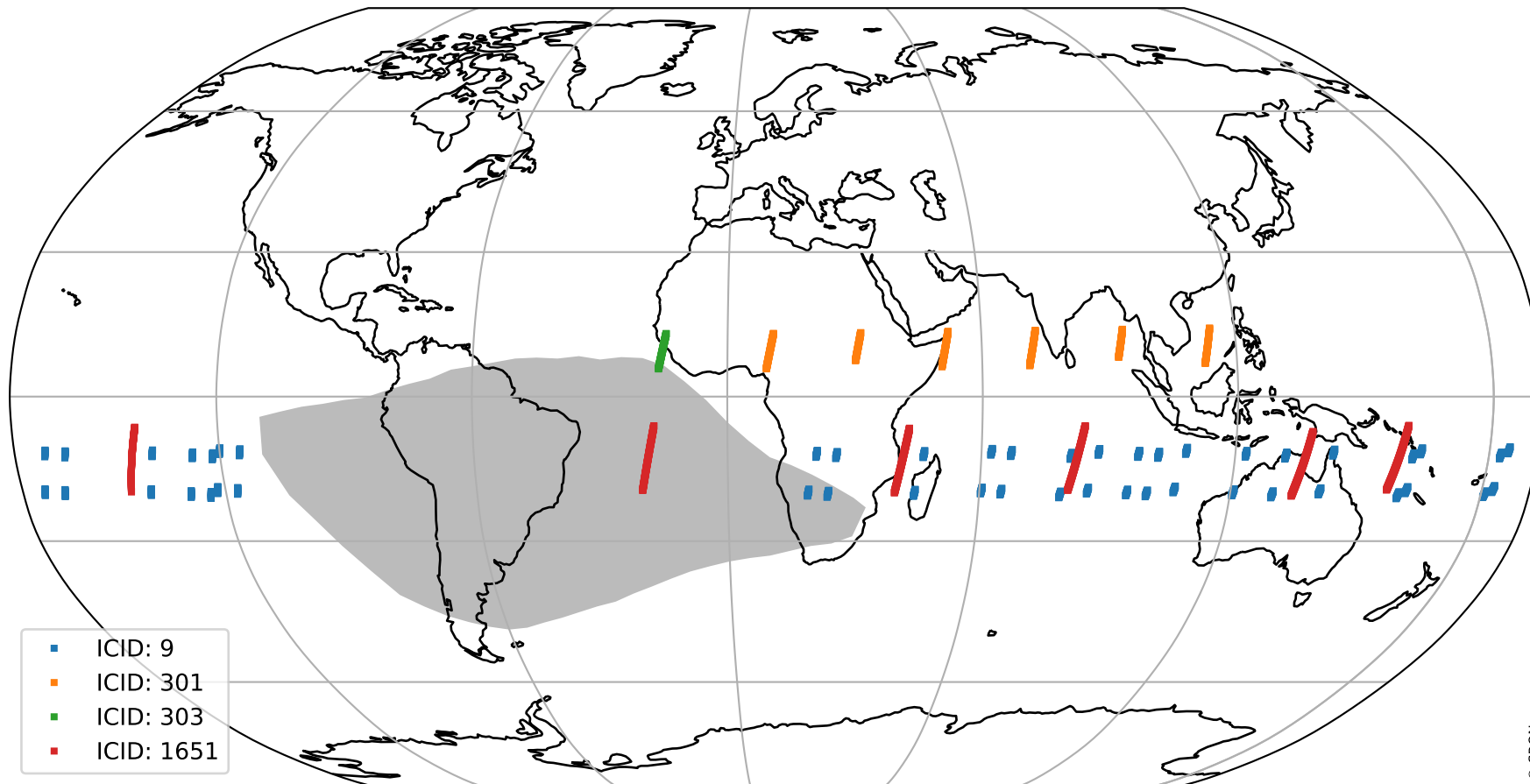
orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
median : 0.94523  
spread : 0.097892  
created : 2023-08-21T14:55:31





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

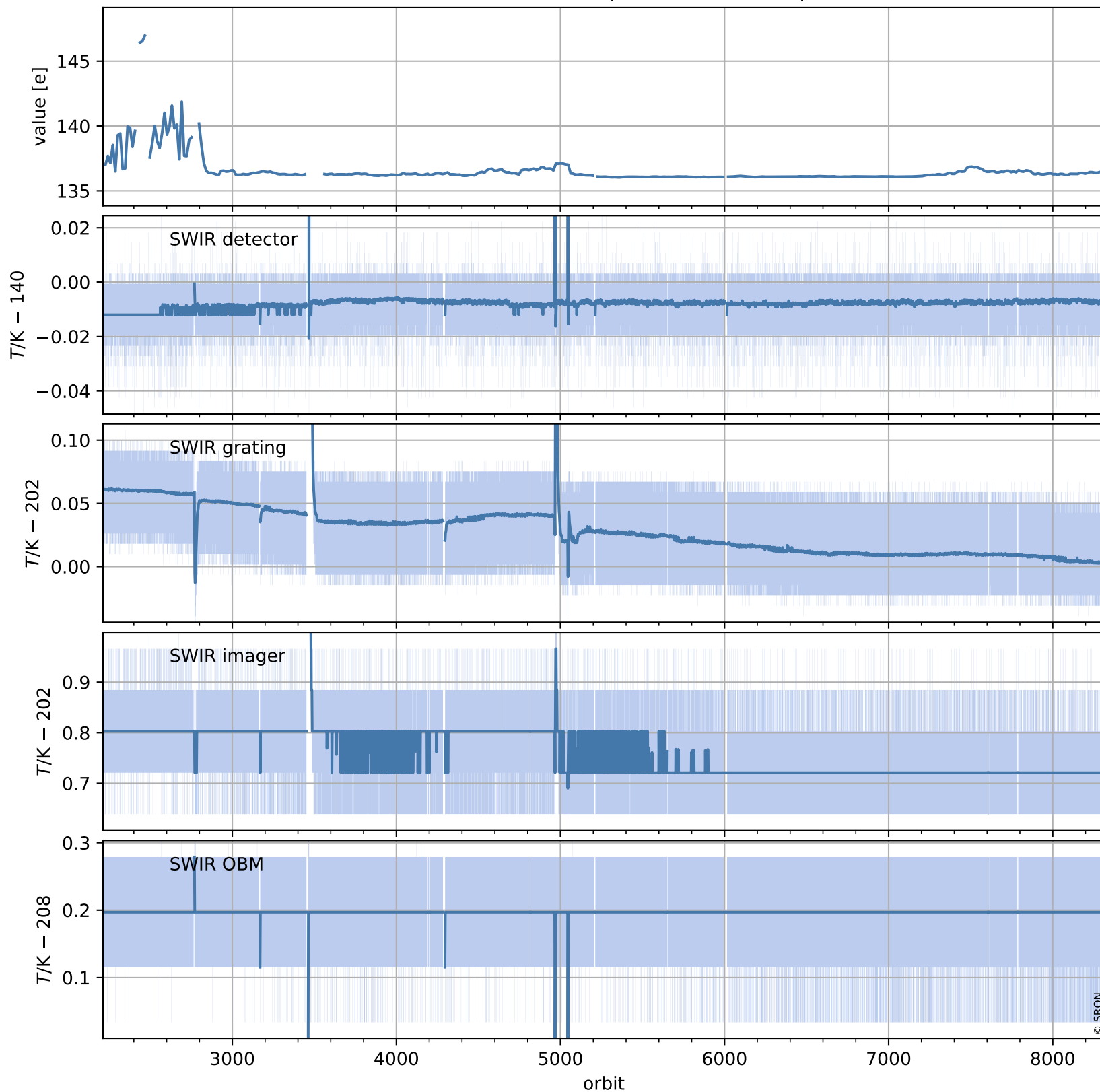
orbits : 13 in [8227, 8317]  
coverage : 2019-05-16 / 2019-05-22  
created : 2023-08-21T14:55:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 8317]  
coverage : 2018-03-18 / 2019-05-22  
created : 2023-08-21T14:55:32

## trend of detector median of plain noise & temperatures

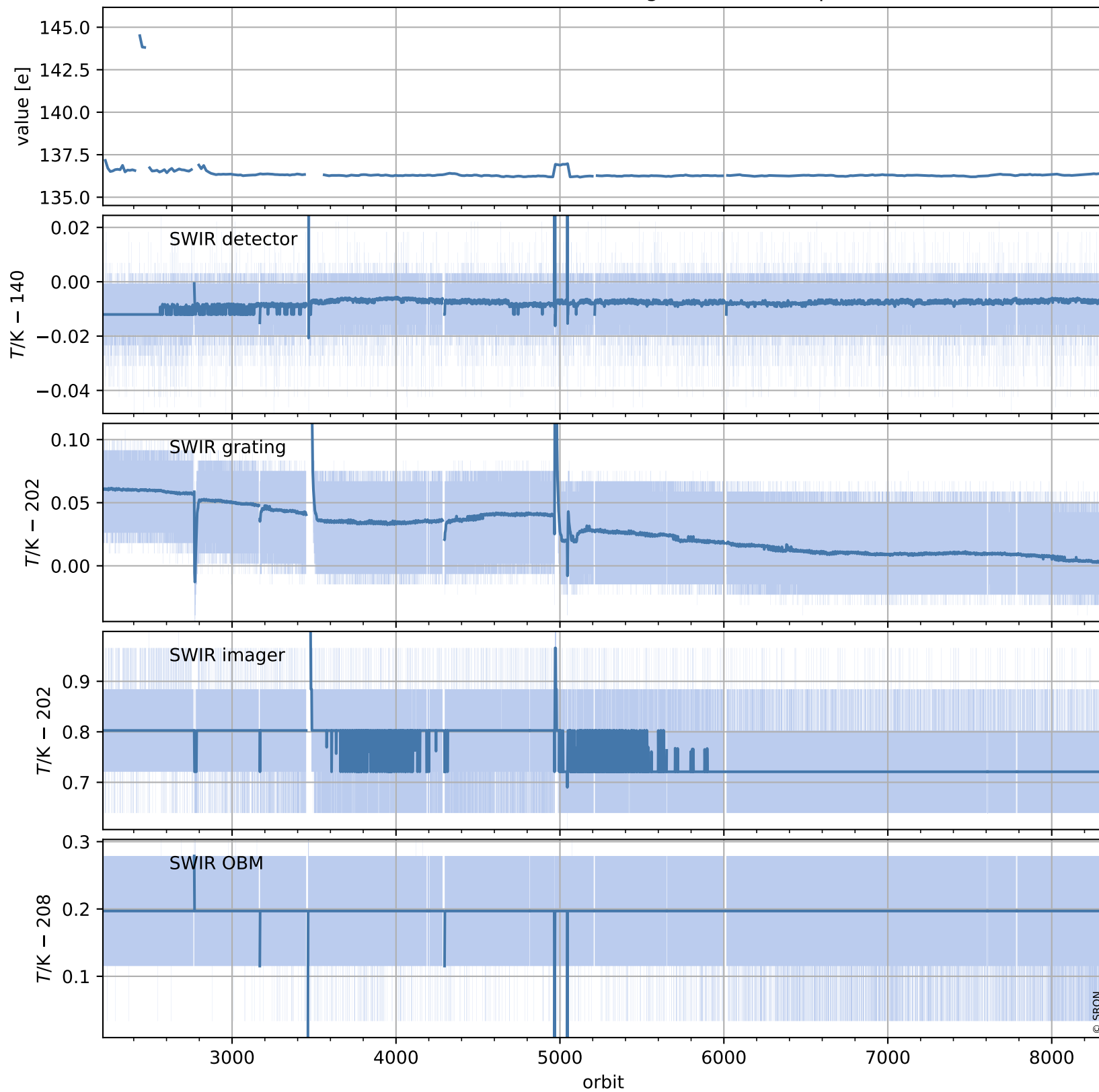




# Tropomi SWIR background noise (swir)

orbits : [2212, 8317]  
coverage : 2018-03-18 / 2019-05-22  
created : 2023-08-21T14:55:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8317]  
coverage : 2018-03-18 / 2019-05-22  
created : 2023-08-21T14:55:34

## trend of normalized read-noise & temperatures

