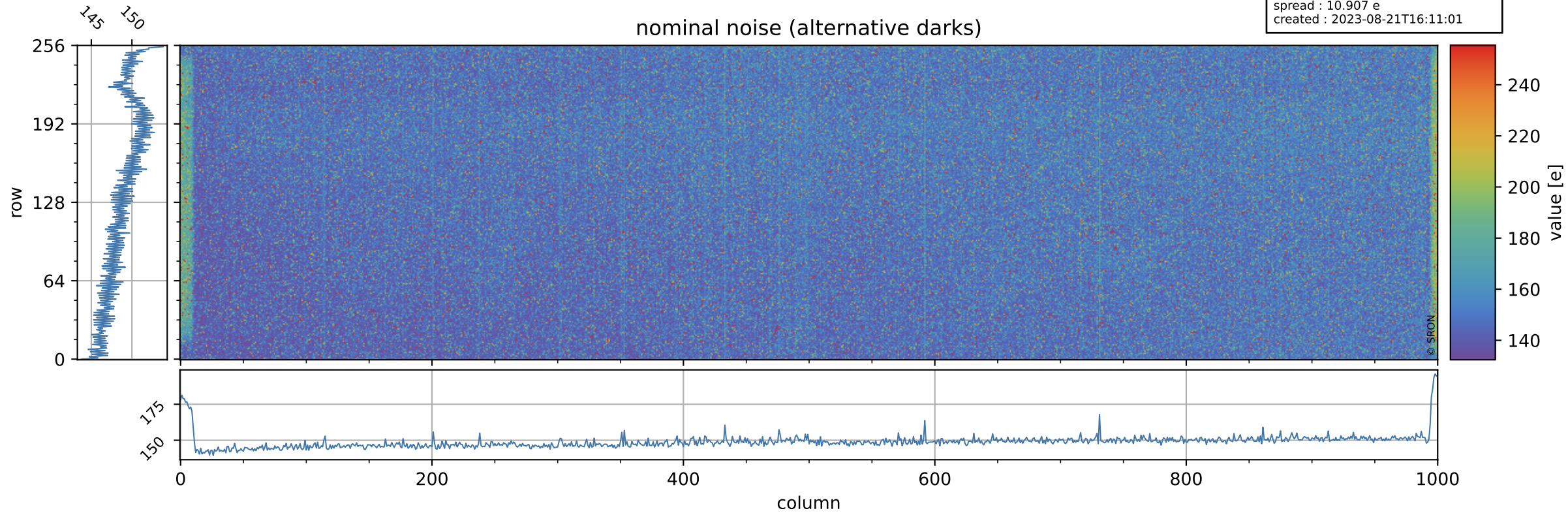


# Tropomi SWIR background noise (swir)

orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
n\_coad, t\_exp : 1, 1.0783  
median : 148.75 e  
spread : 10.907 e  
created : 2023-08-21T16:11:01

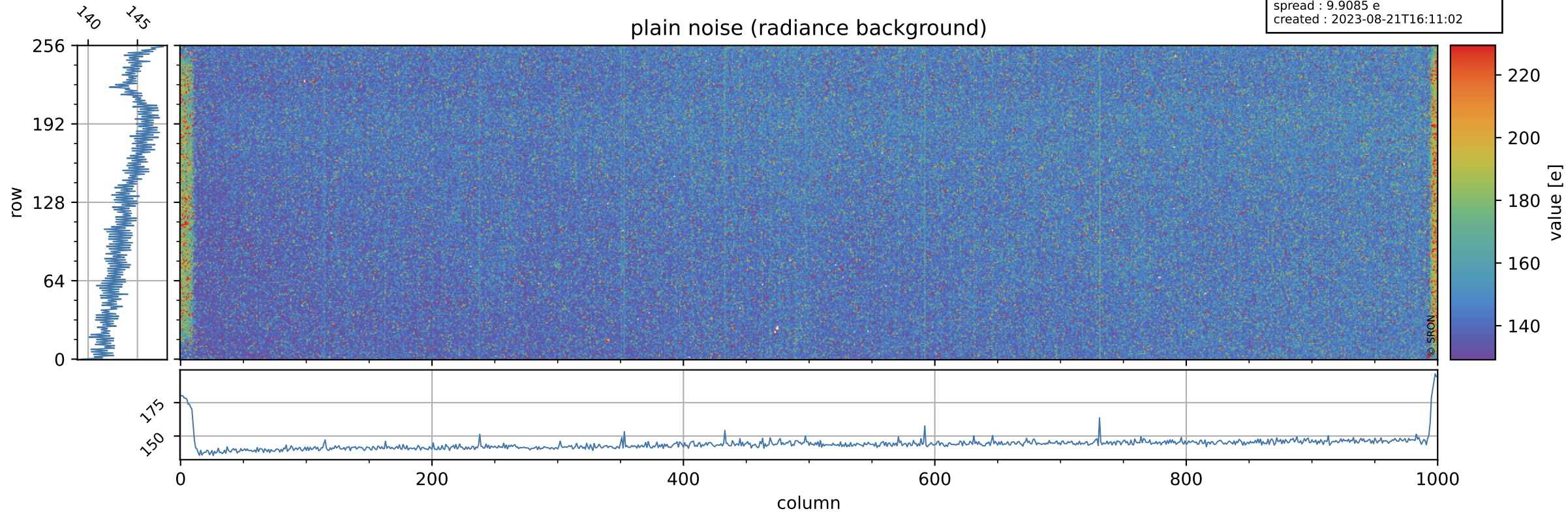
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.9085 e  
created : 2023-08-21T16:11:02

plain noise (radiance background)

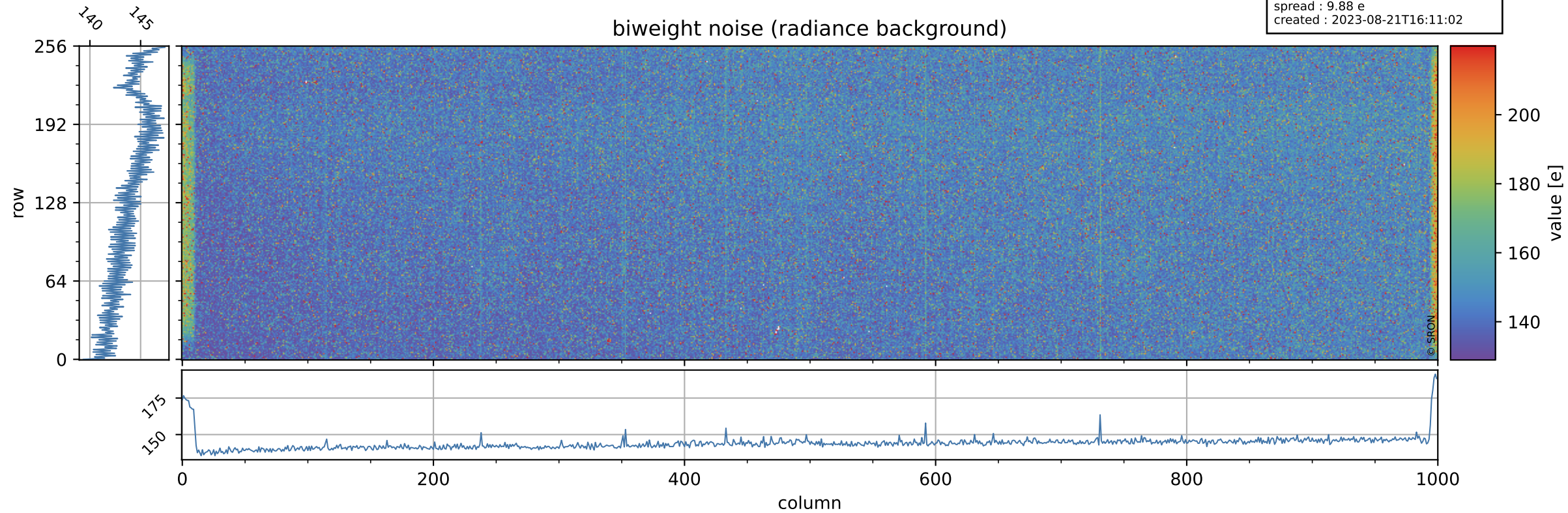




# Tropomi SWIR background noise (swir)

orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
n\_coad, t\_exp : 1, 0.8383  
median : 143.81 e  
spread : 9.88 e  
created : 2023-08-21T16:11:02

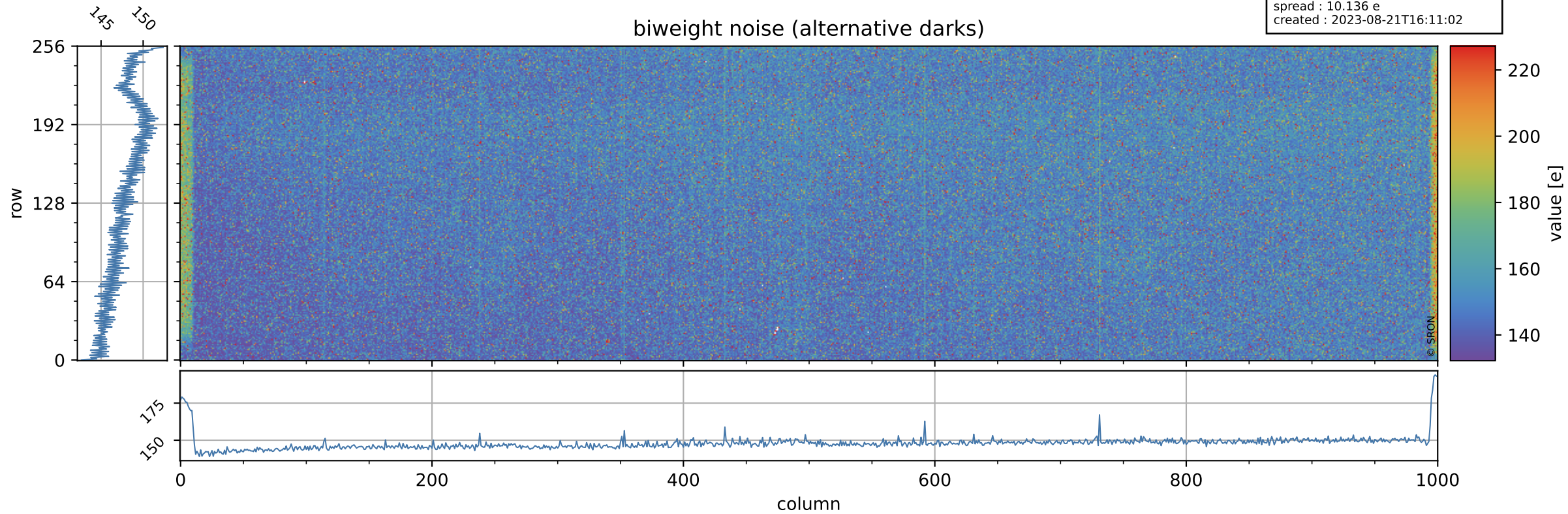
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
n\_coad, t\_exp : 1, 1.0783  
median : 147.72 e  
spread : 10.136 e  
created : 2023-08-21T16:11:02

## biweight noise (alternative darks)

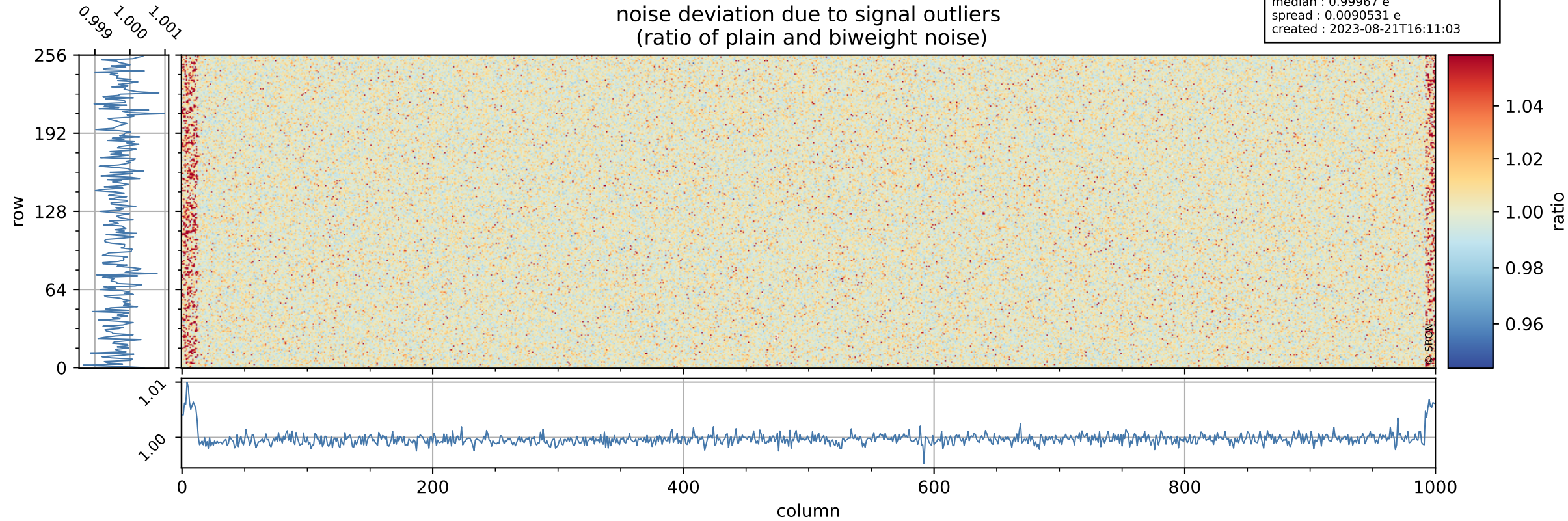




# Tropomi SWIR background noise (swir)

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

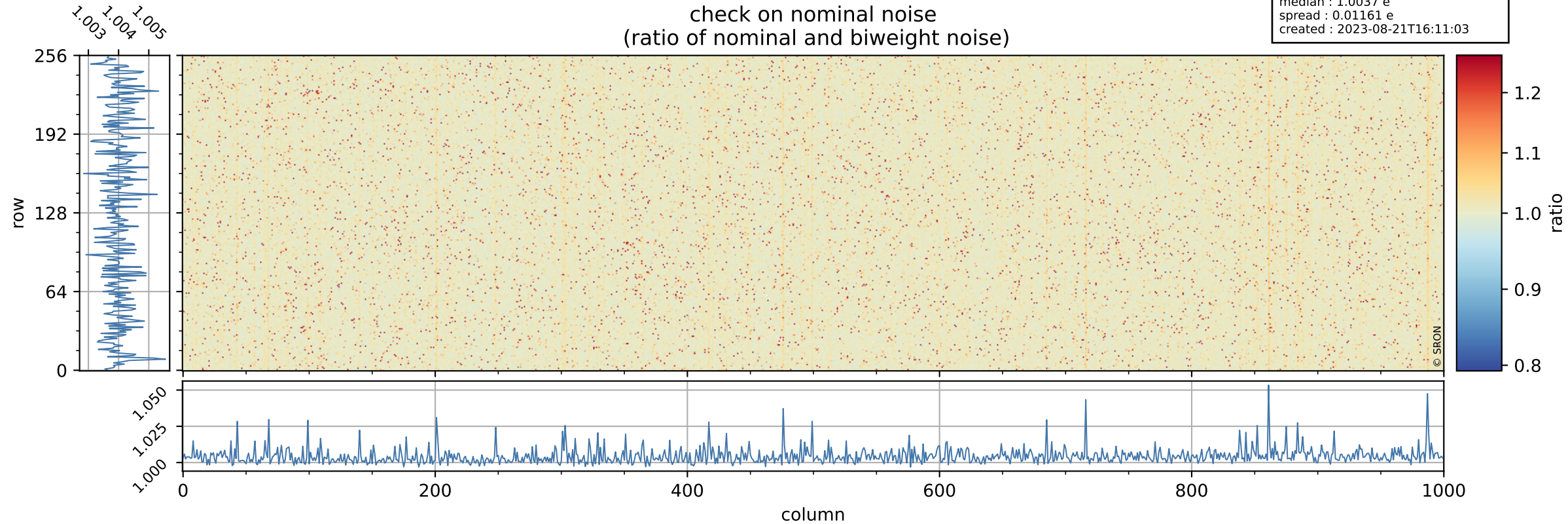
orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
median : 0.99967 e  
spread : 0.0090531 e  
created : 2023-08-21T16:11:03



# Tropomi SWIR background noise (swir)

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

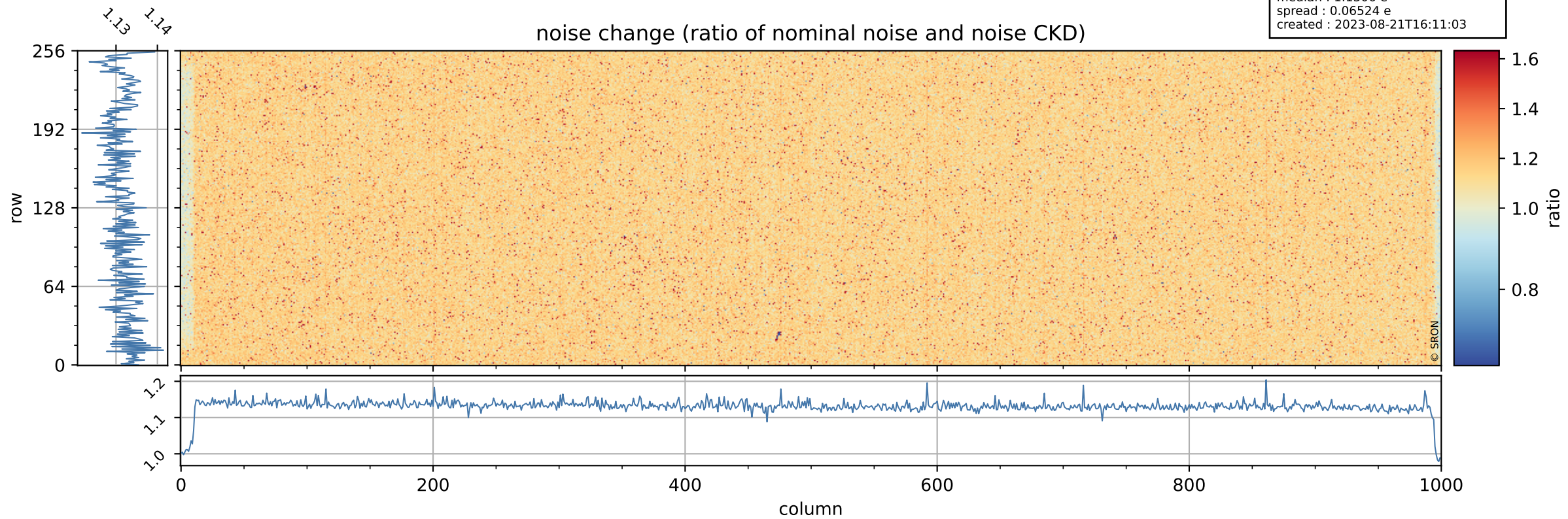
orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
median : 1.0037 e  
spread : 0.01161 e  
created : 2023-08-21T16:11:03





# Tropomi SWIR background noise (swir)

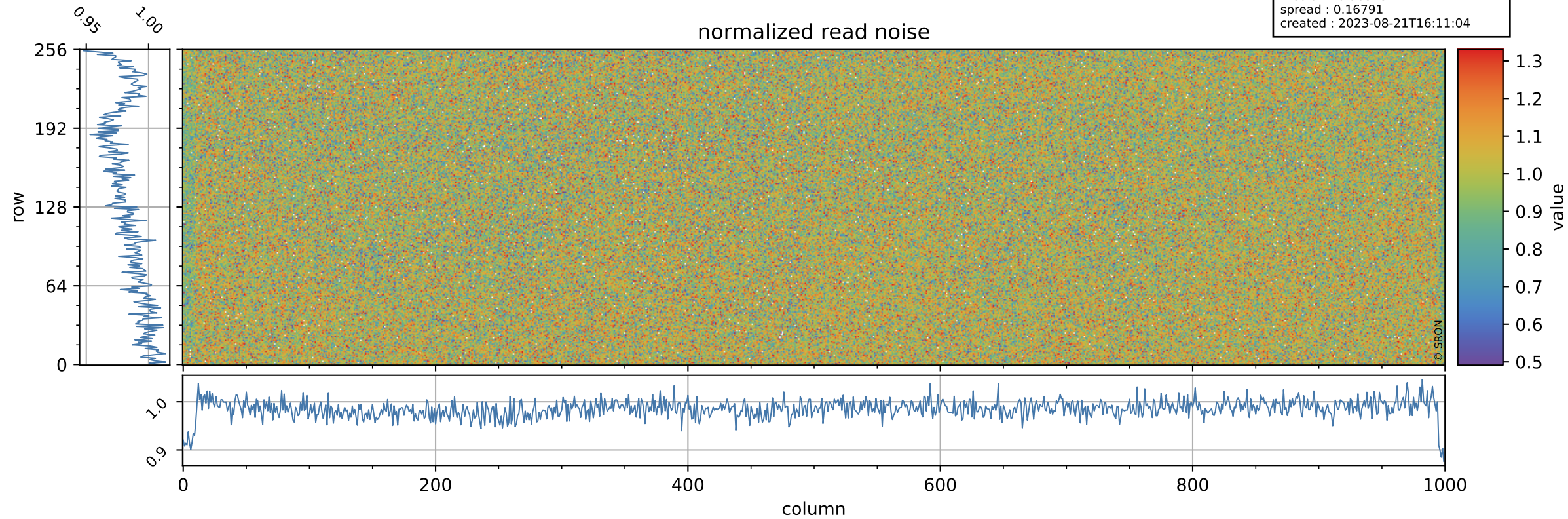
orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
median : 1.1306 e  
spread : 0.06524 e  
created : 2023-08-21T16:11:03





# Tropomi SWIR background noise (swir)

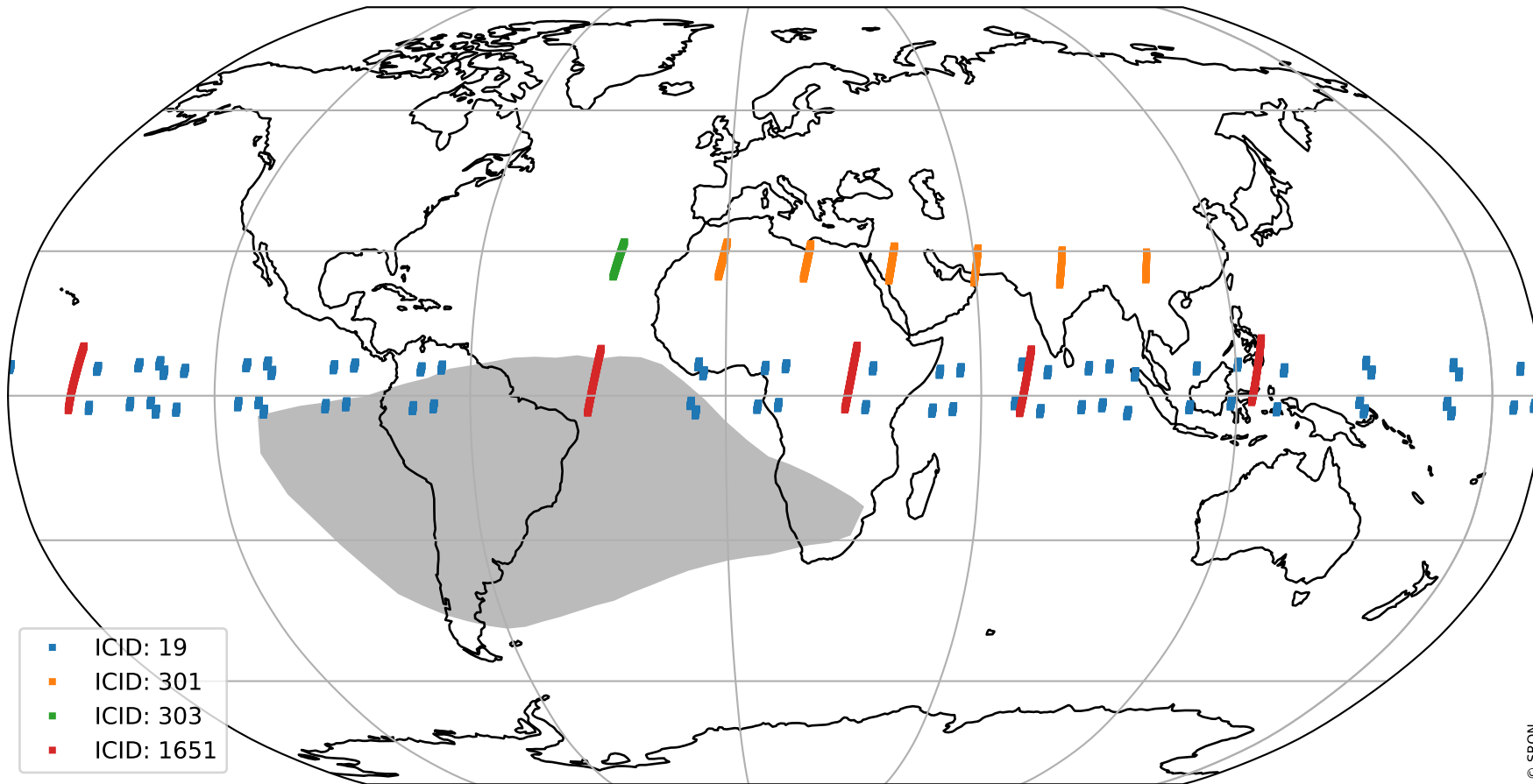
orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
median : 0.98373  
spread : 0.16791  
created : 2023-08-21T16:11:04





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

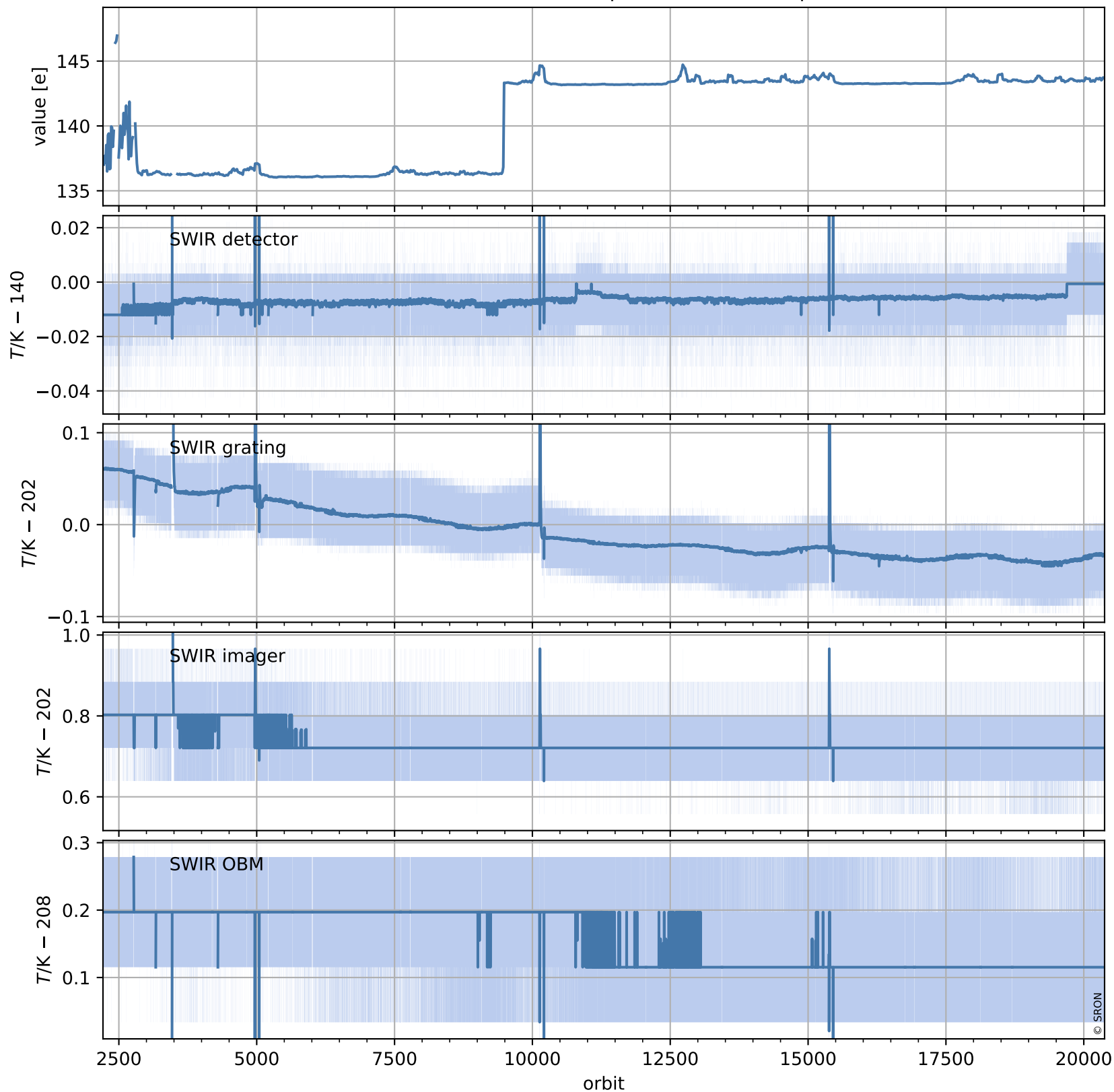
orbits : 12 in [20287, 20377]  
coverage : 2021-09-12 / 2021-09-18  
created : 2023-08-21T16:11:04



# Tropomi SWIR background noise (swir)

orbits : [2212, 20377]  
coverage : 2018-03-18 / 2021-09-18  
created : 2023-08-21T16:11:04

## trend of detector median of plain noise & temperatures

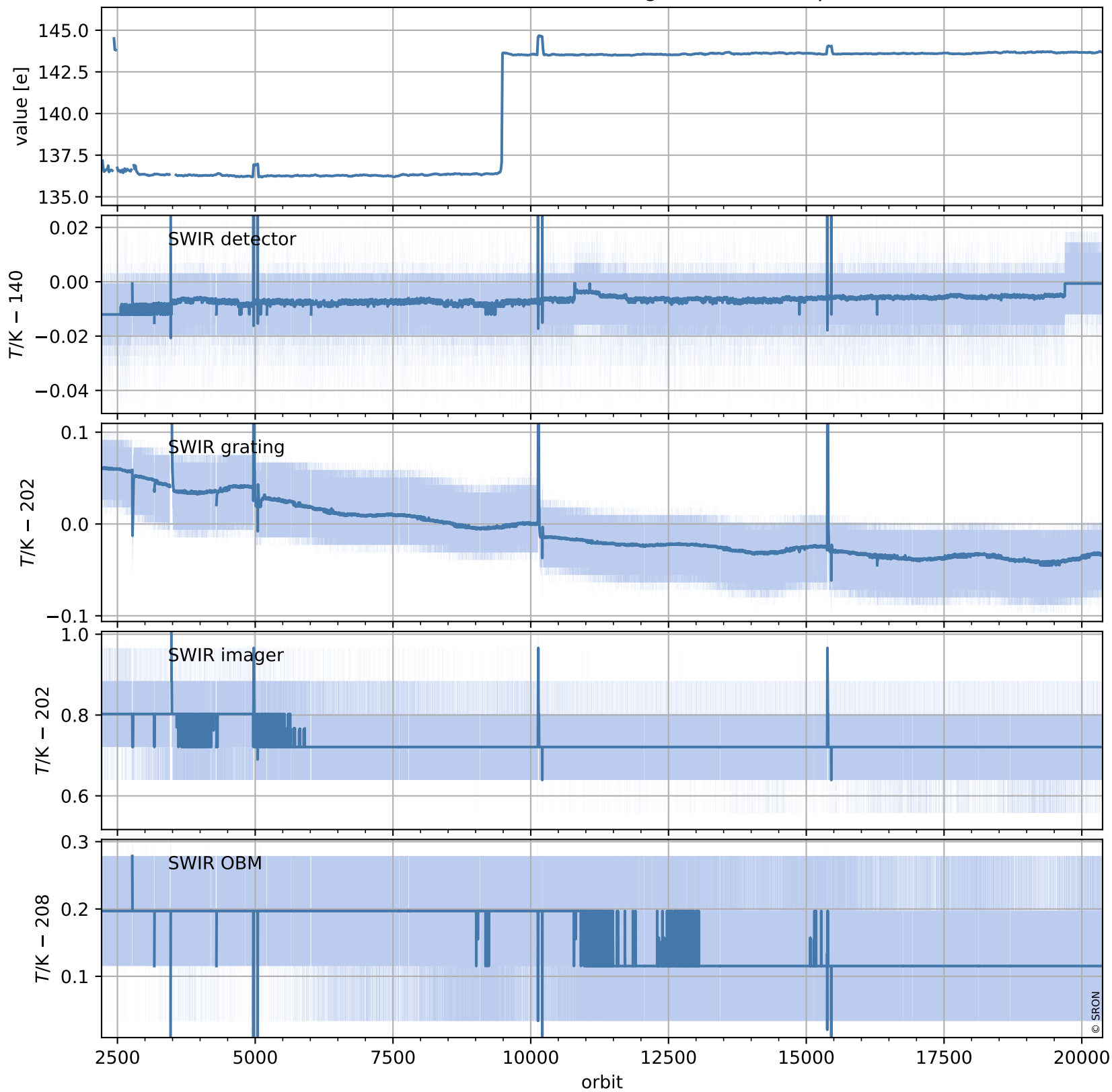




# Tropomi SWIR background noise (swir)

orbits : [2212, 20377]  
coverage : 2018-03-18 / 2021-09-18  
created : 2023-08-21T16:11:05

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20377]  
coverage : 2018-03-18 / 2021-09-18  
created : 2023-08-21T16:11:06

## trend of normalized read-noise & temperatures

