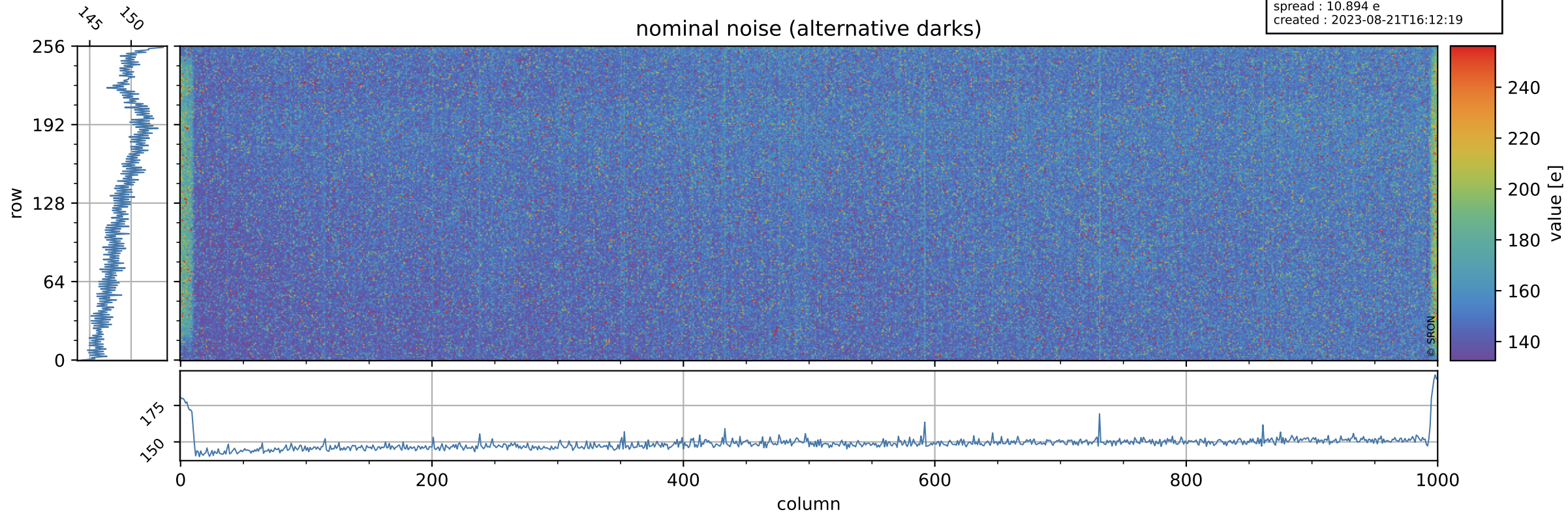


# Tropomi SWIR background noise (swir)

orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.76 e  
spread : 10.894 e  
created : 2023-08-21T16:12:19

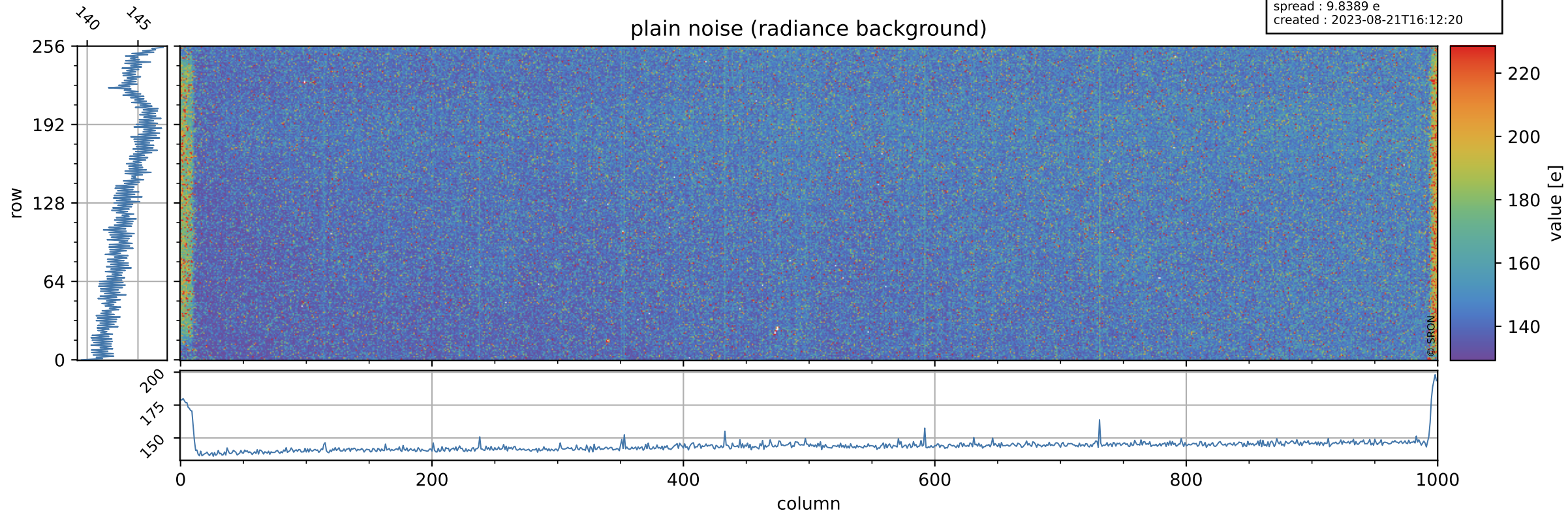
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.8389 e  
created : 2023-08-21T16:12:20

plain noise (radiance background)

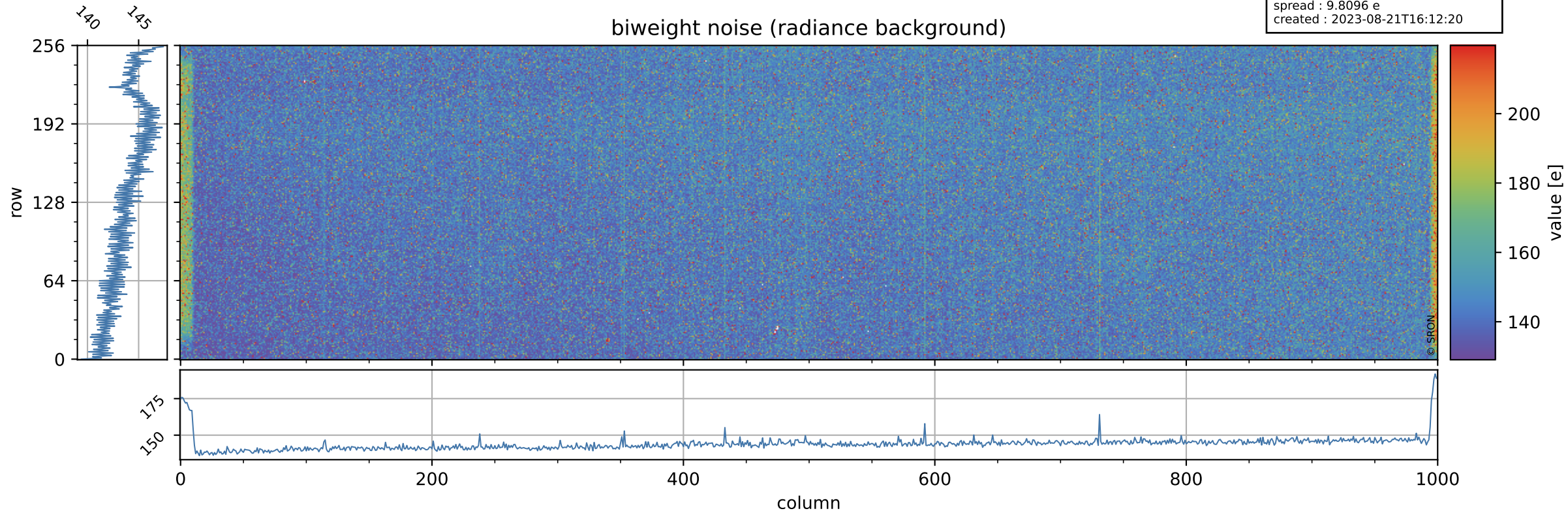




# Tropomi SWIR background noise (swir)

orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.8096 e  
created : 2023-08-21T16:12:20

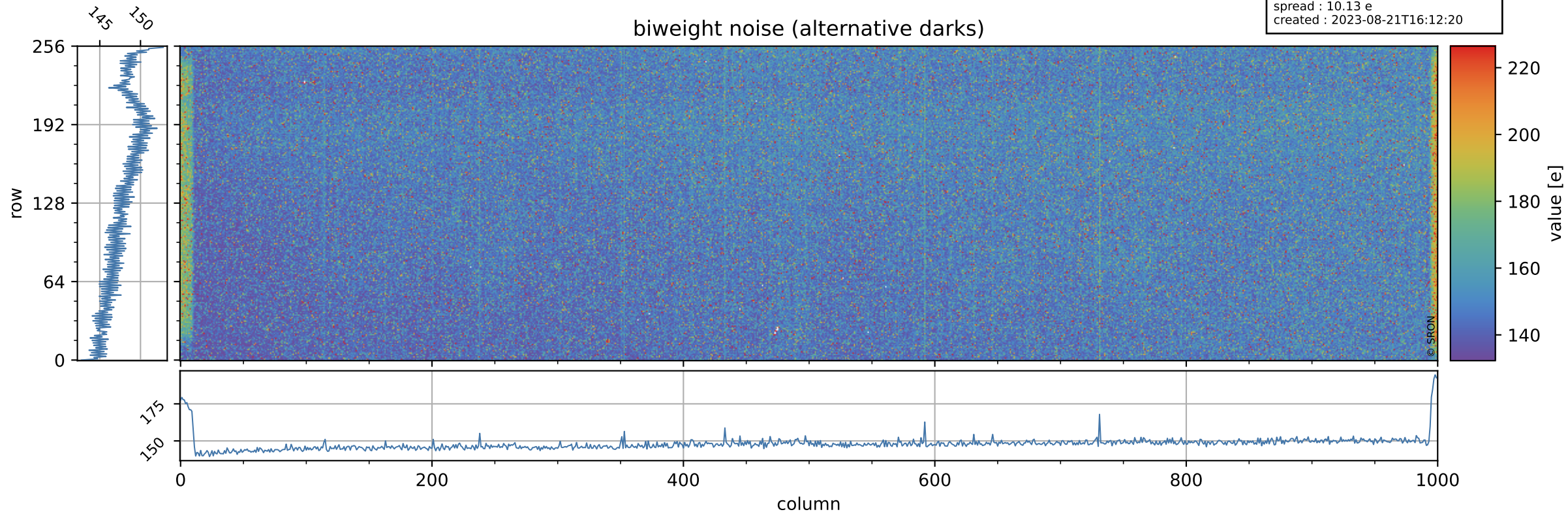
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.13 e  
created : 2023-08-21T16:12:20

## biweight noise (alternative darks)

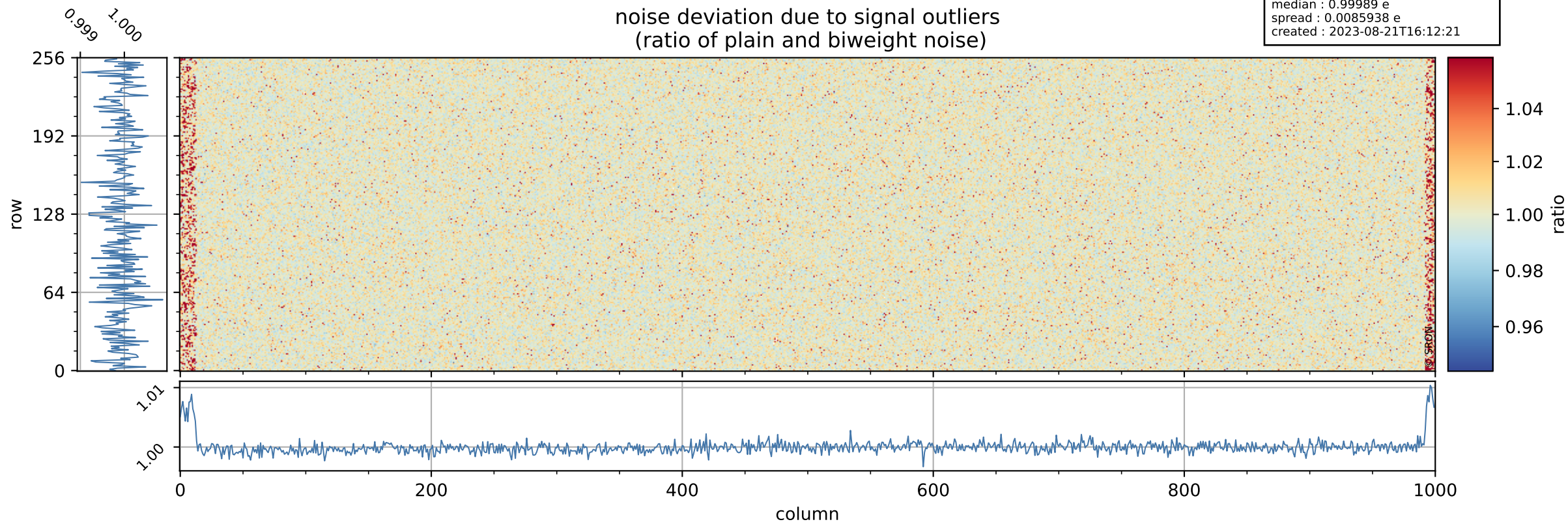




# Tropomi SWIR background noise (swir)

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

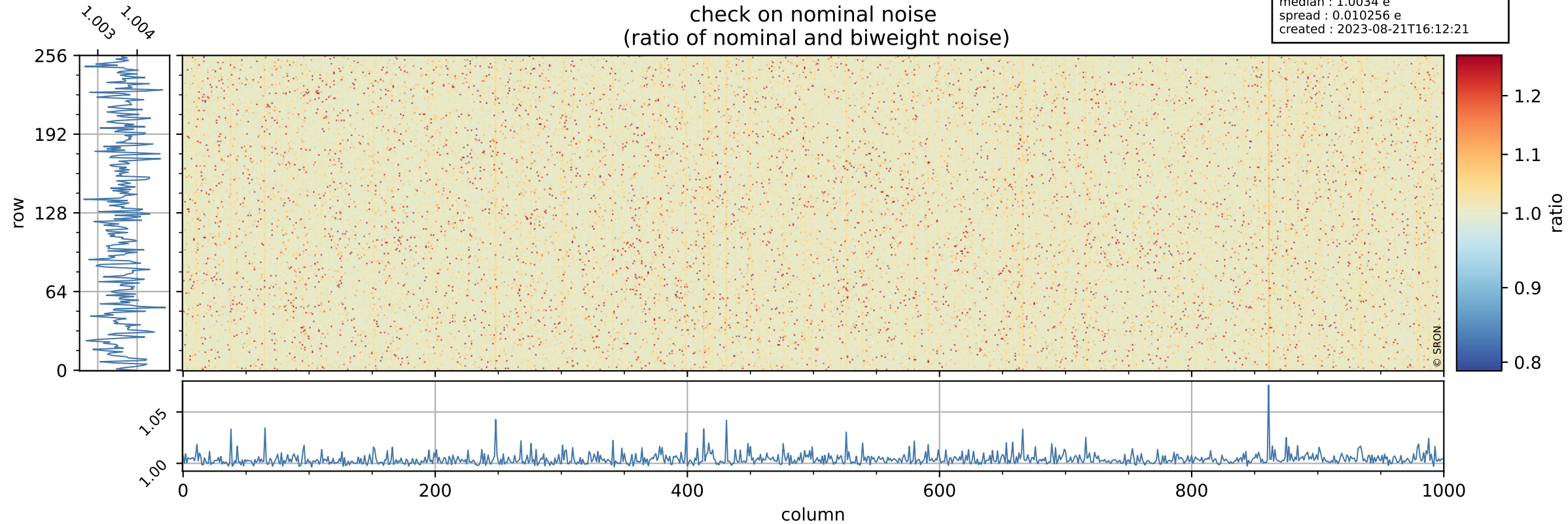
orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
median : 0.99989 e  
spread : 0.0085938 e  
created : 2023-08-21T16:12:21



# Tropomi SWIR background noise (swir)

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

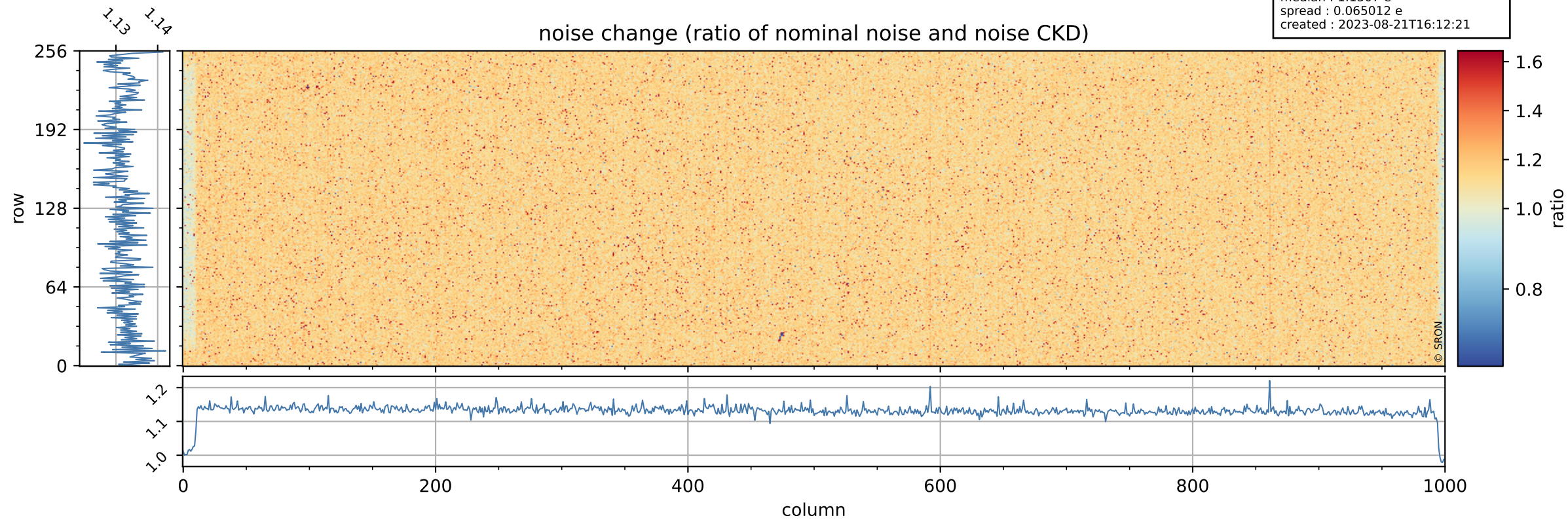
orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
median : 1.0034 e  
spread : 0.010256 e  
created : 2023-08-21T16:12:21





# Tropomi SWIR background noise (swir)

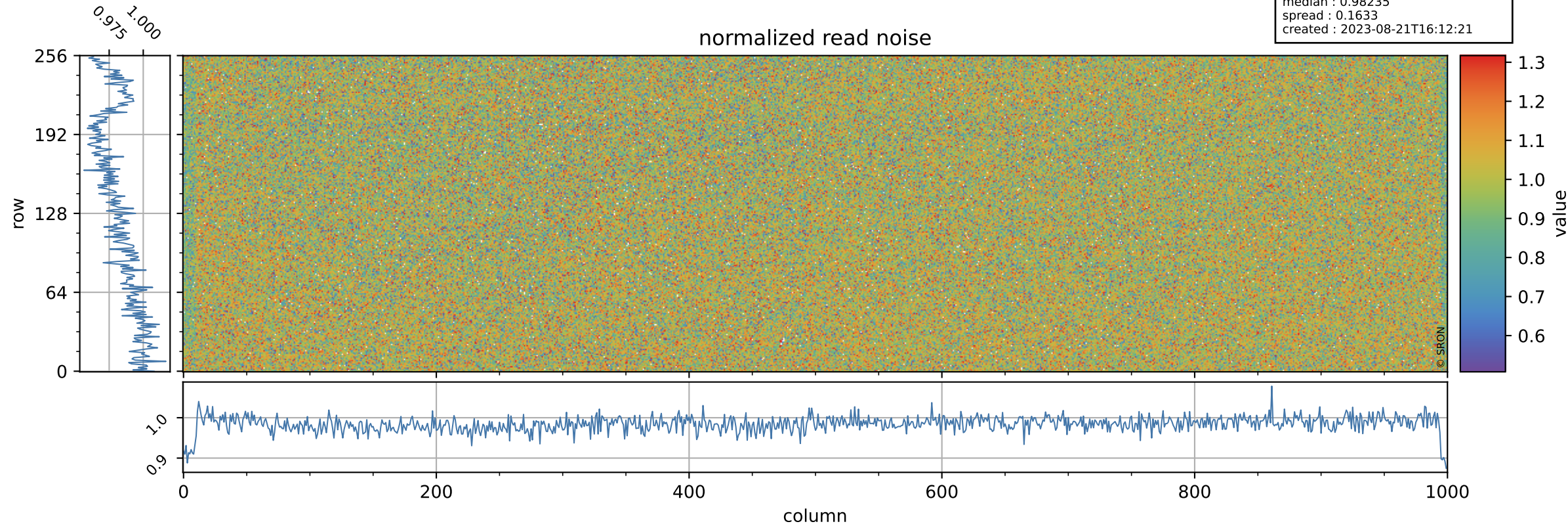
orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
median : 1.1307 e  
spread : 0.065012 e  
created : 2023-08-21T16:12:21





# Tropomi SWIR background noise (swir)

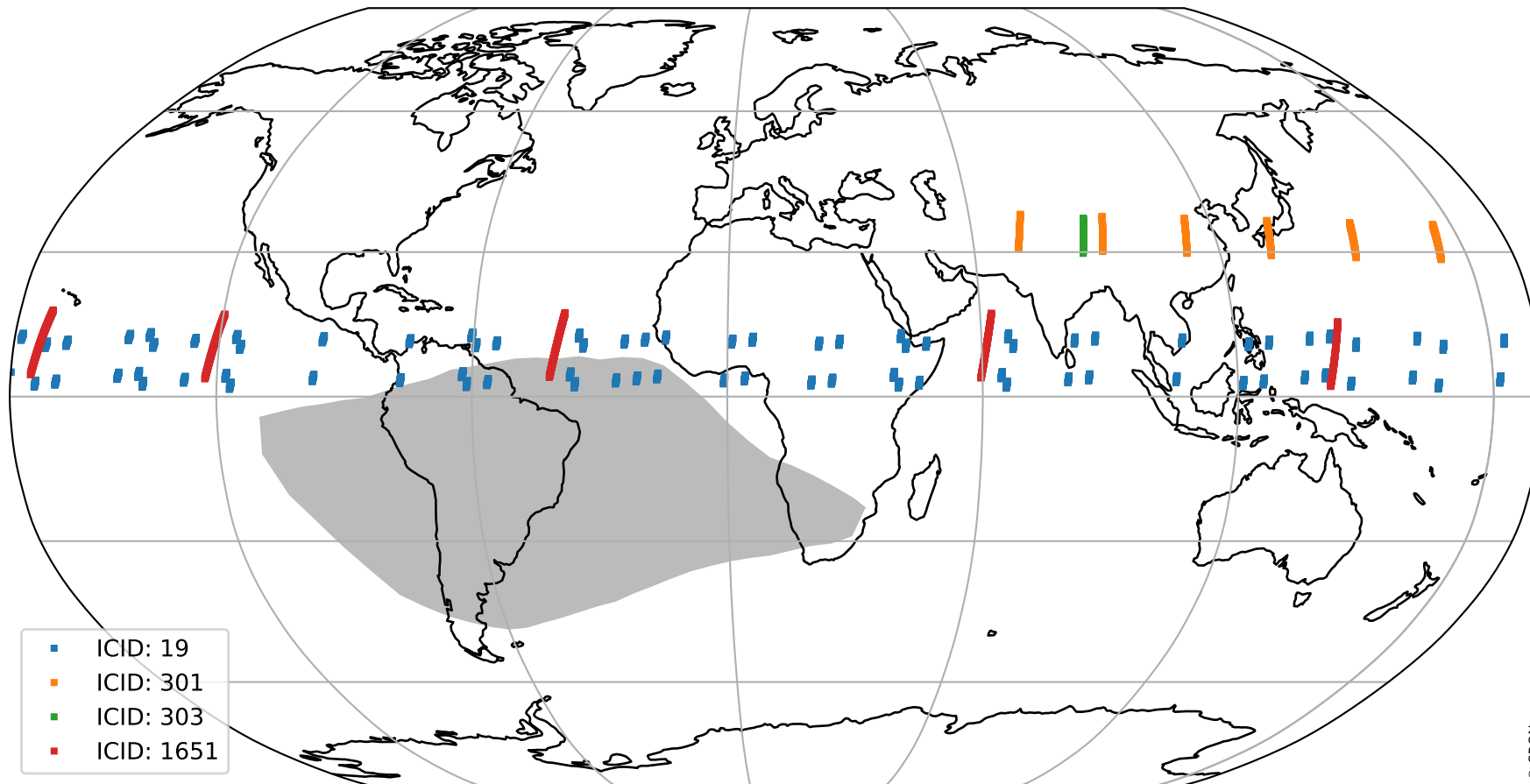
orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
median : 0.98235  
spread : 0.1633  
created : 2023-08-21T16:12:21





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

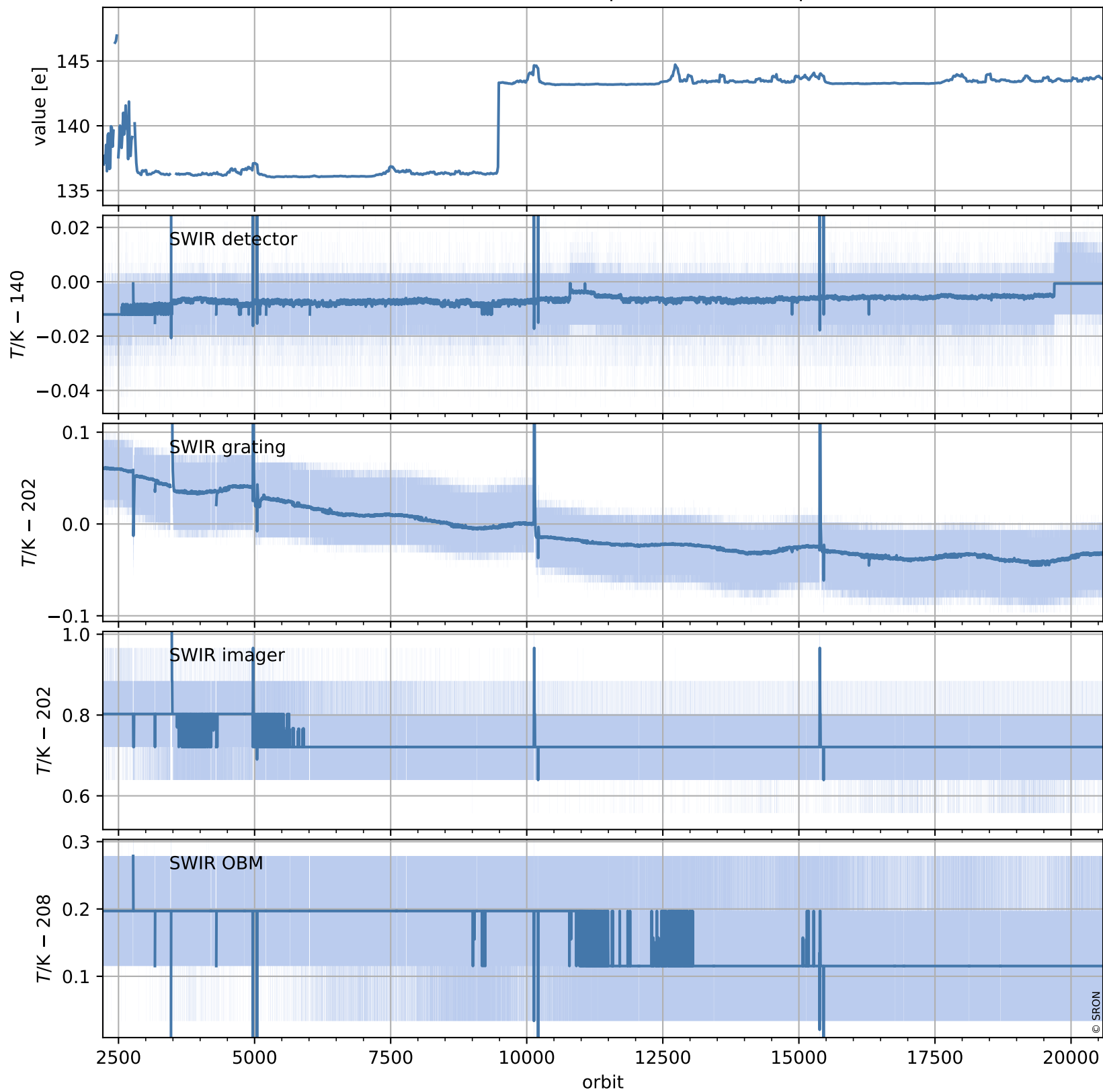
orbits : 12 in [20497, 20587]  
coverage : 2021-09-27 / 2021-10-03  
created : 2023-08-21T16:12:22



# Tropomi SWIR background noise (swir)

orbits : [2212, 20587]  
coverage : 2018-03-18 / 2021-10-03  
created : 2023-08-21T16:12:22

## trend of detector median of plain noise & temperatures

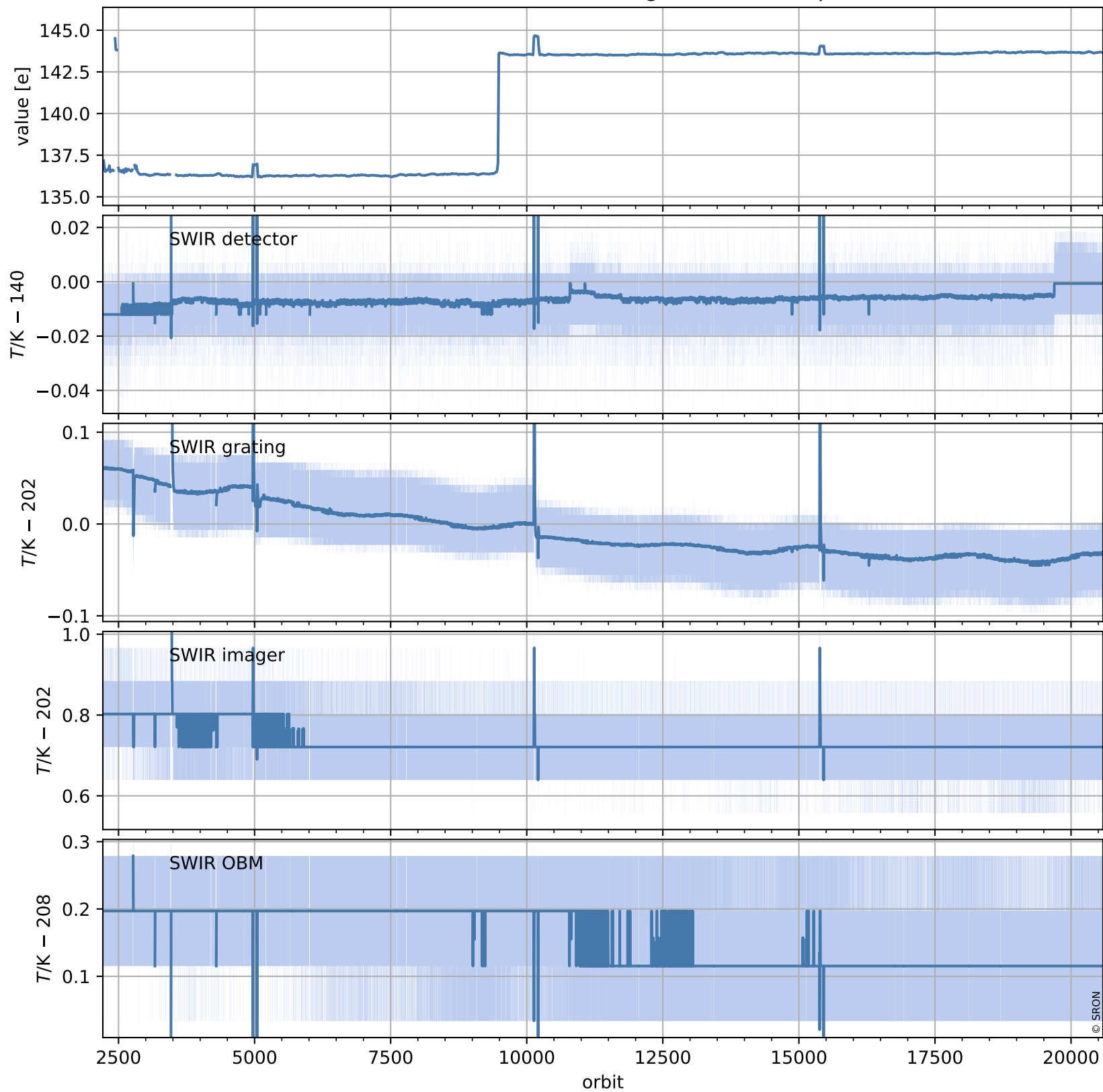




# Tropomi SWIR background noise (swir)

orbits : [2212, 20587]  
coverage : 2018-03-18 / 2021-10-03  
created : 2023-08-21T16:12:23

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20587]  
coverage : 2018-03-18 / 2021-10-03  
created : 2023-08-21T16:12:24

## trend of normalized read-noise & temperatures

