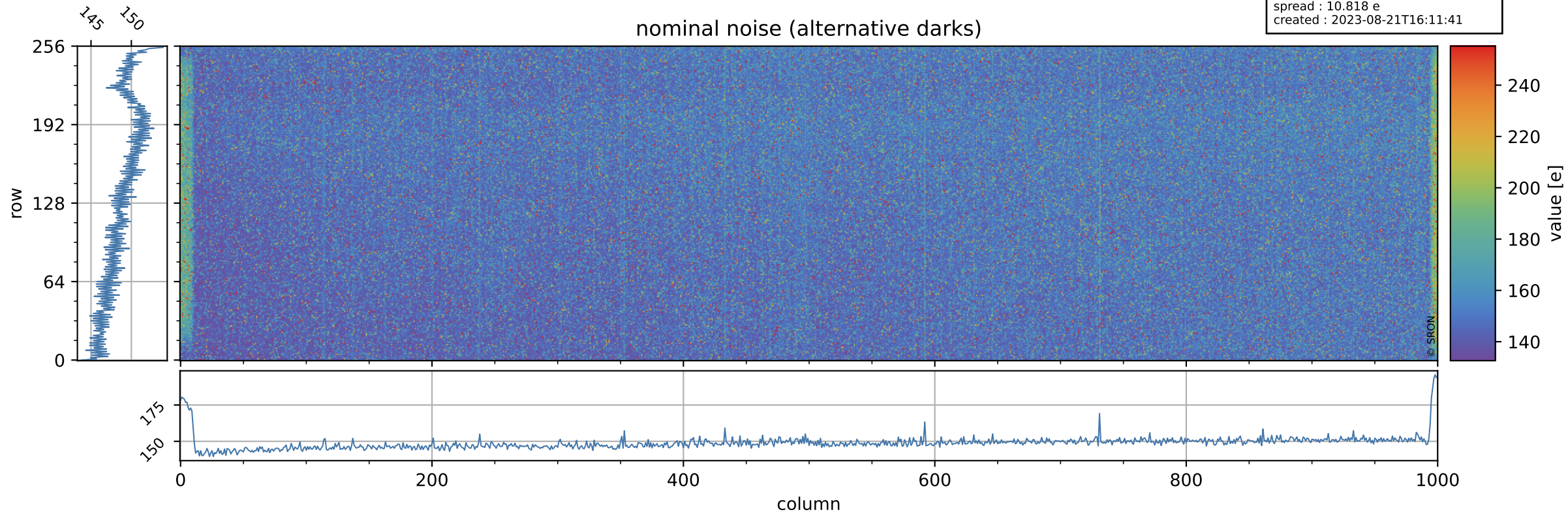


# Tropomi SWIR background noise (swir)

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 10.818 e  
created : 2023-08-21T16:11:41

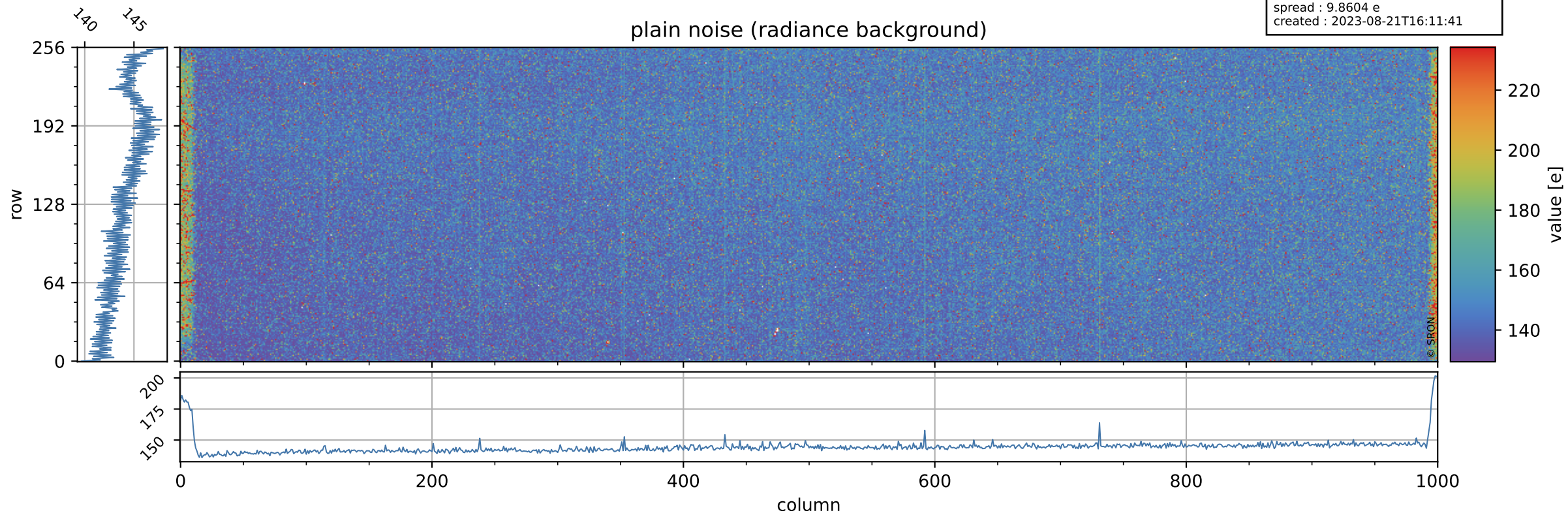
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
n\_coad, t\_exp : 1, 0.8383  
median : 143.96 e  
spread : 9.8604 e  
created : 2023-08-21T16:11:41

## plain noise (radiance background)

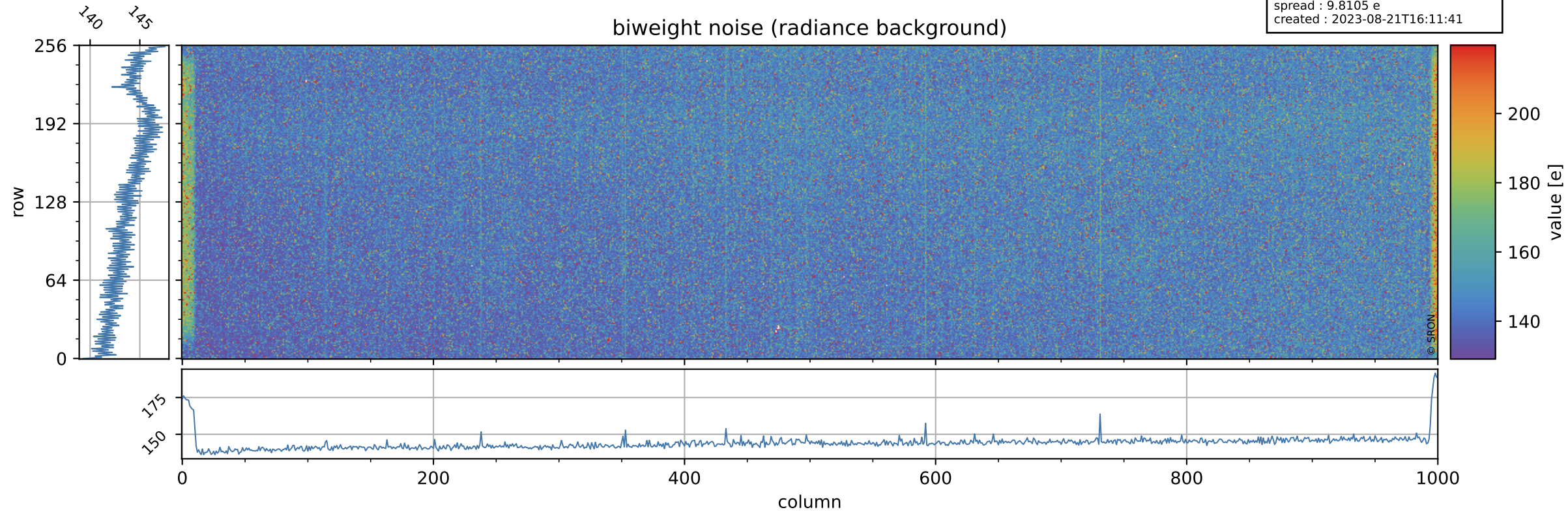




# Tropomi SWIR background noise (swir)

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
n\_coad, t\_exp : 1, 0.8383  
median : 143.79 e  
spread : 9.8105 e  
created : 2023-08-21T16:11:41

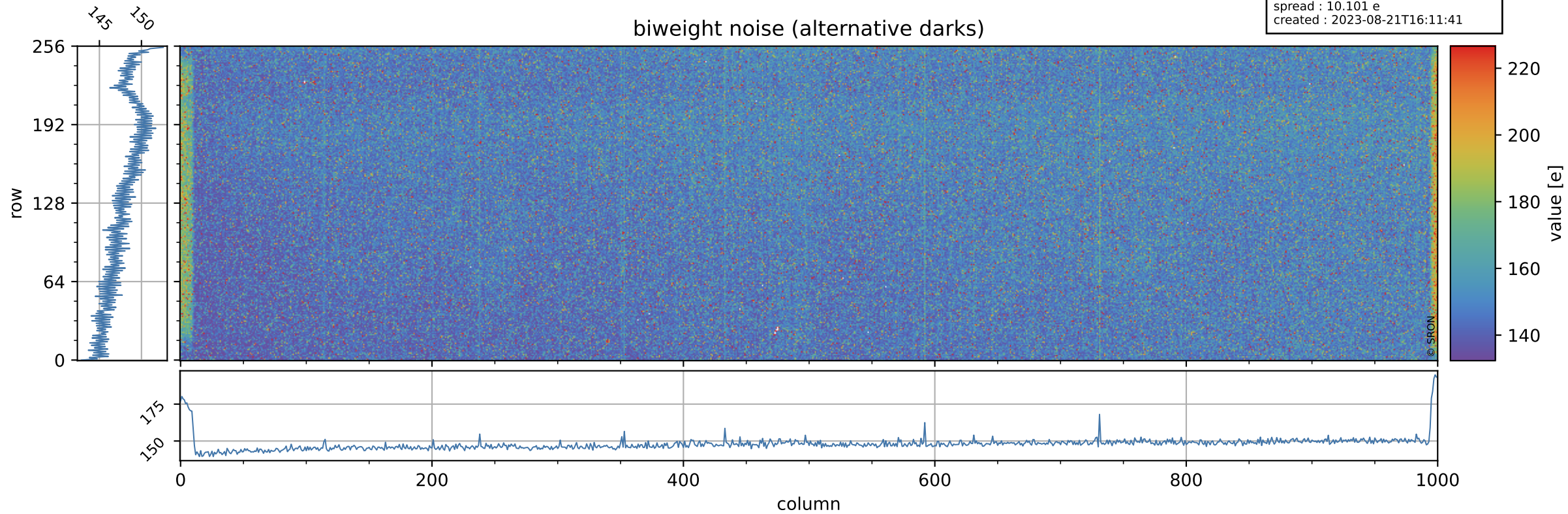
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.77 e  
spread : 10.101 e  
created : 2023-08-21T16:11:41

## biweight noise (alternative darks)

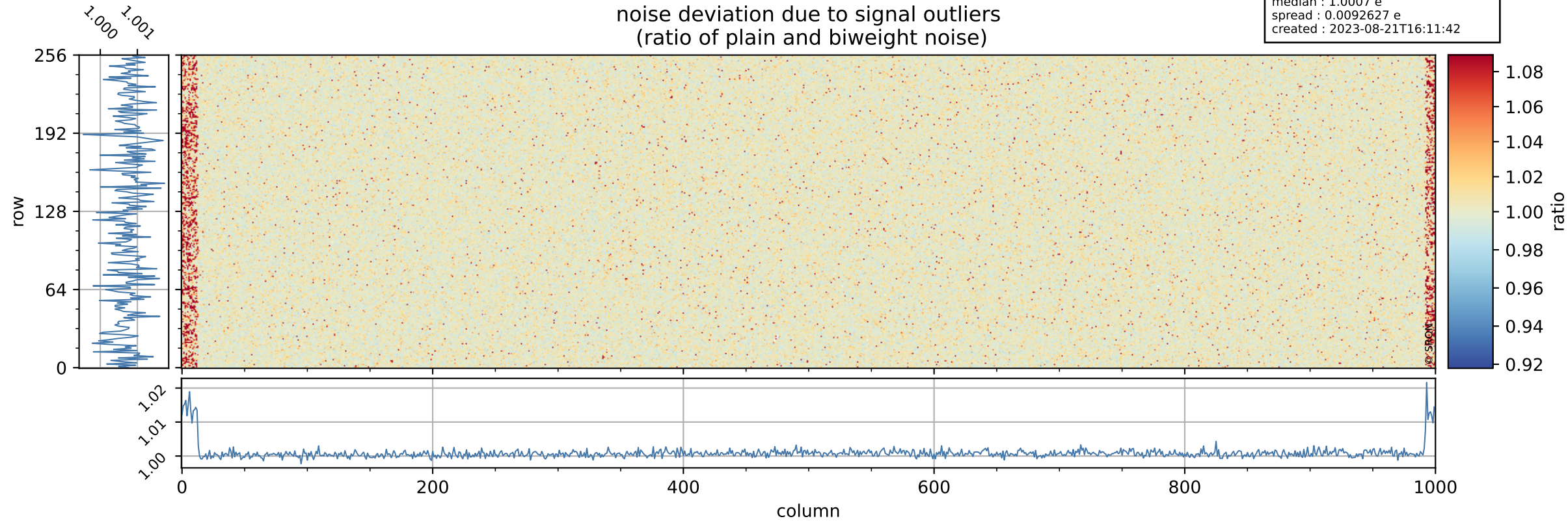




# Tropomi SWIR background noise (swir)

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

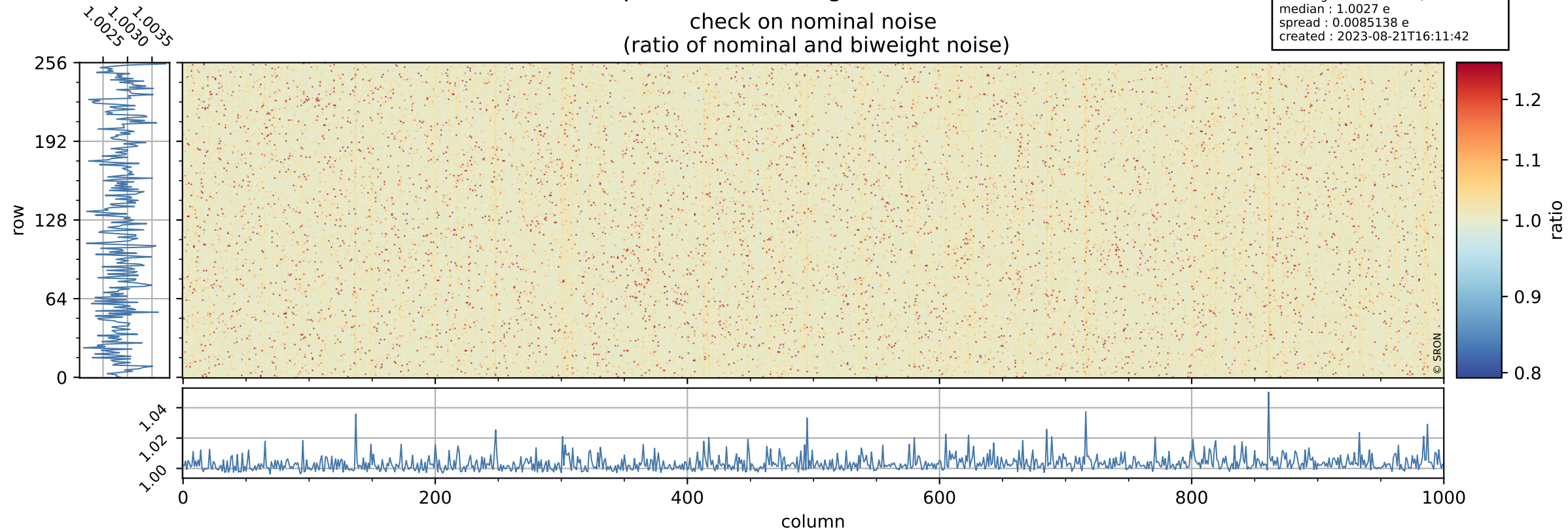
orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
median : 1.0007 e  
spread : 0.0092627 e  
created : 2023-08-21T16:11:42



# Tropomi SWIR background noise (swir)

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

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
median : 1.0027 e  
spread : 0.0085138 e  
created : 2023-08-21T16:11:42

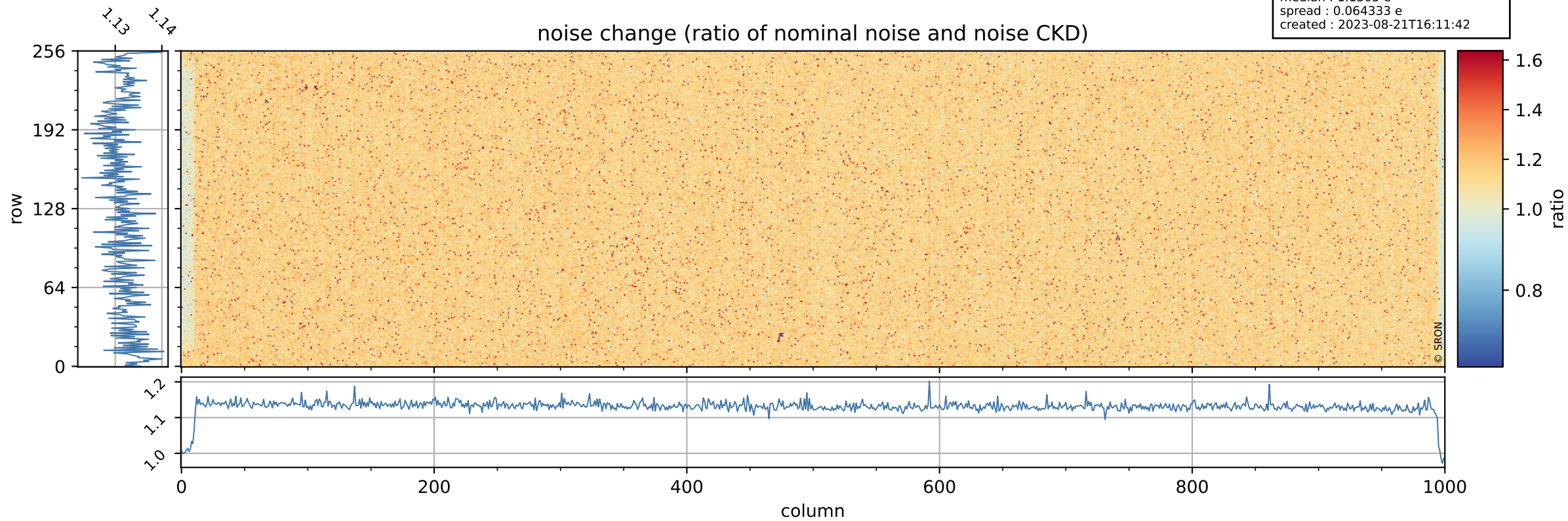




# Tropomi SWIR background noise (swir)

orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
median : 1.1305 e  
spread : 0.064333 e  
created : 2023-08-21T16:11:42

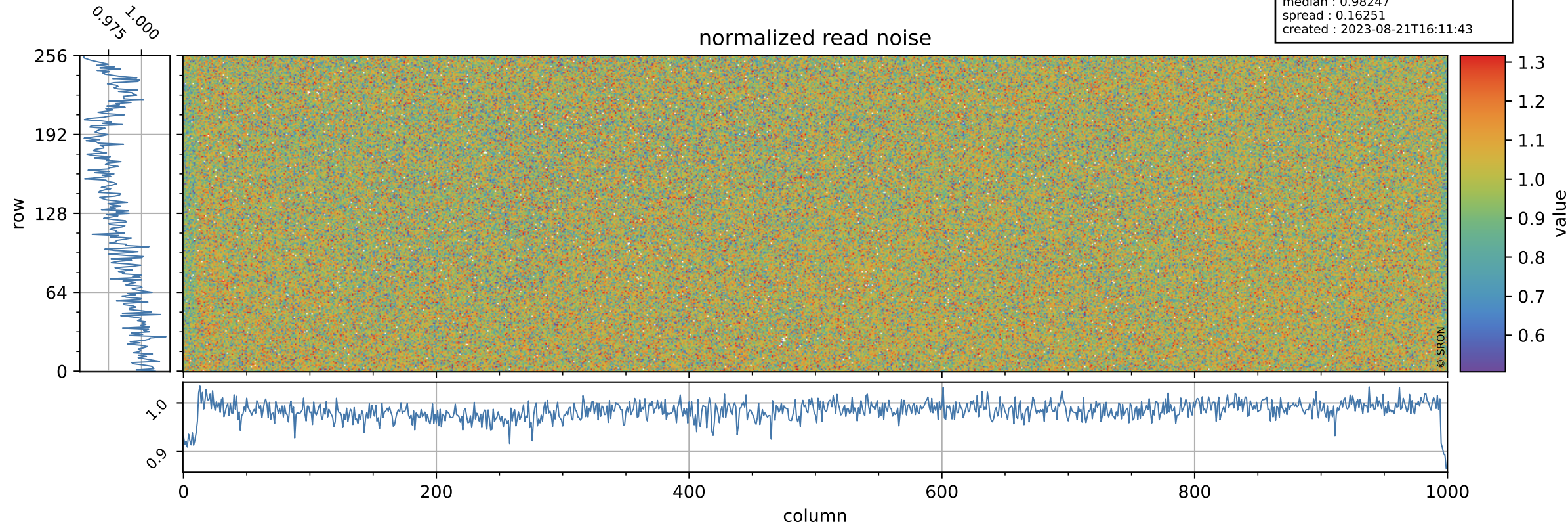
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

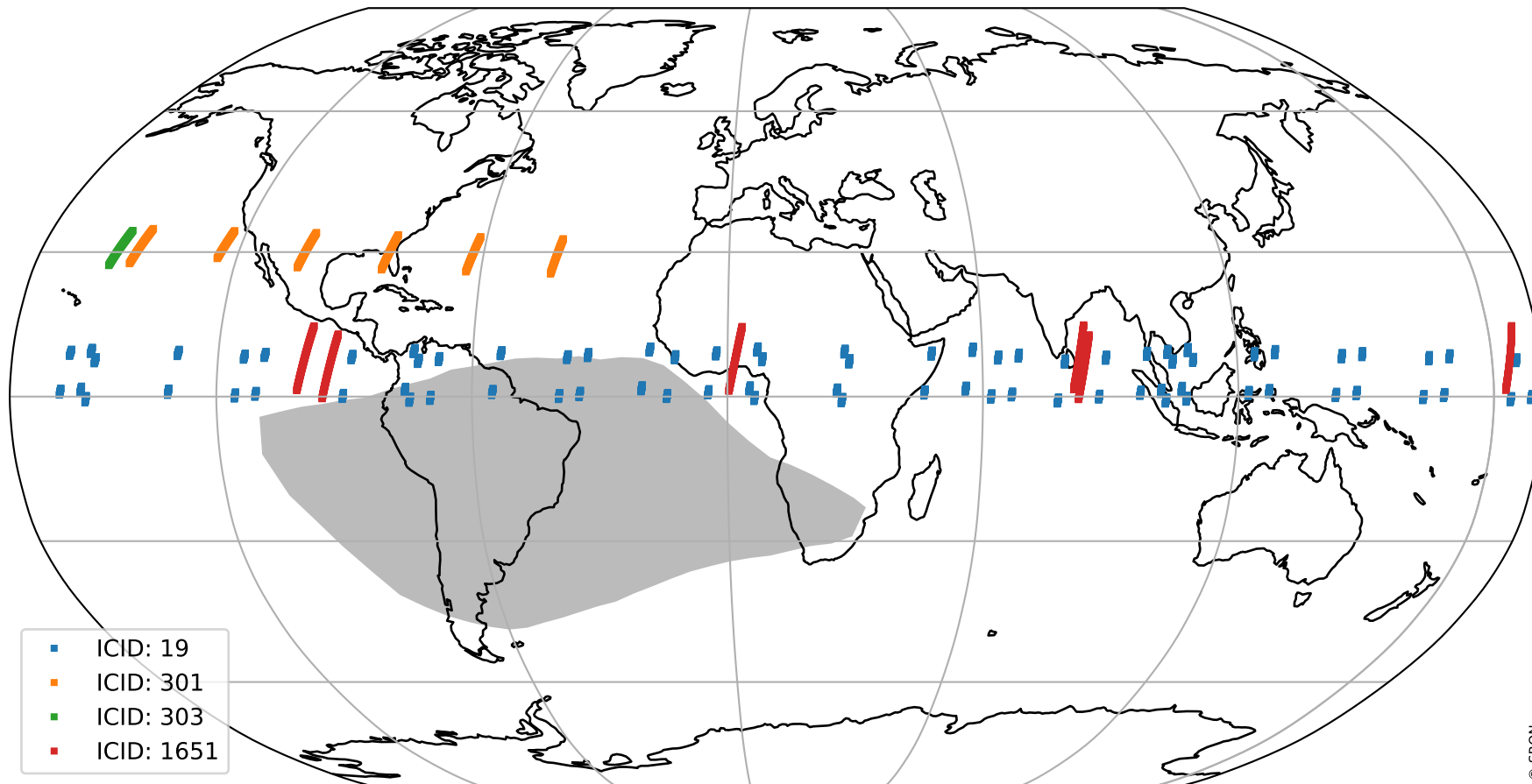
orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
median : 0.98247  
spread : 0.16251  
created : 2023-08-21T16:11:43





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

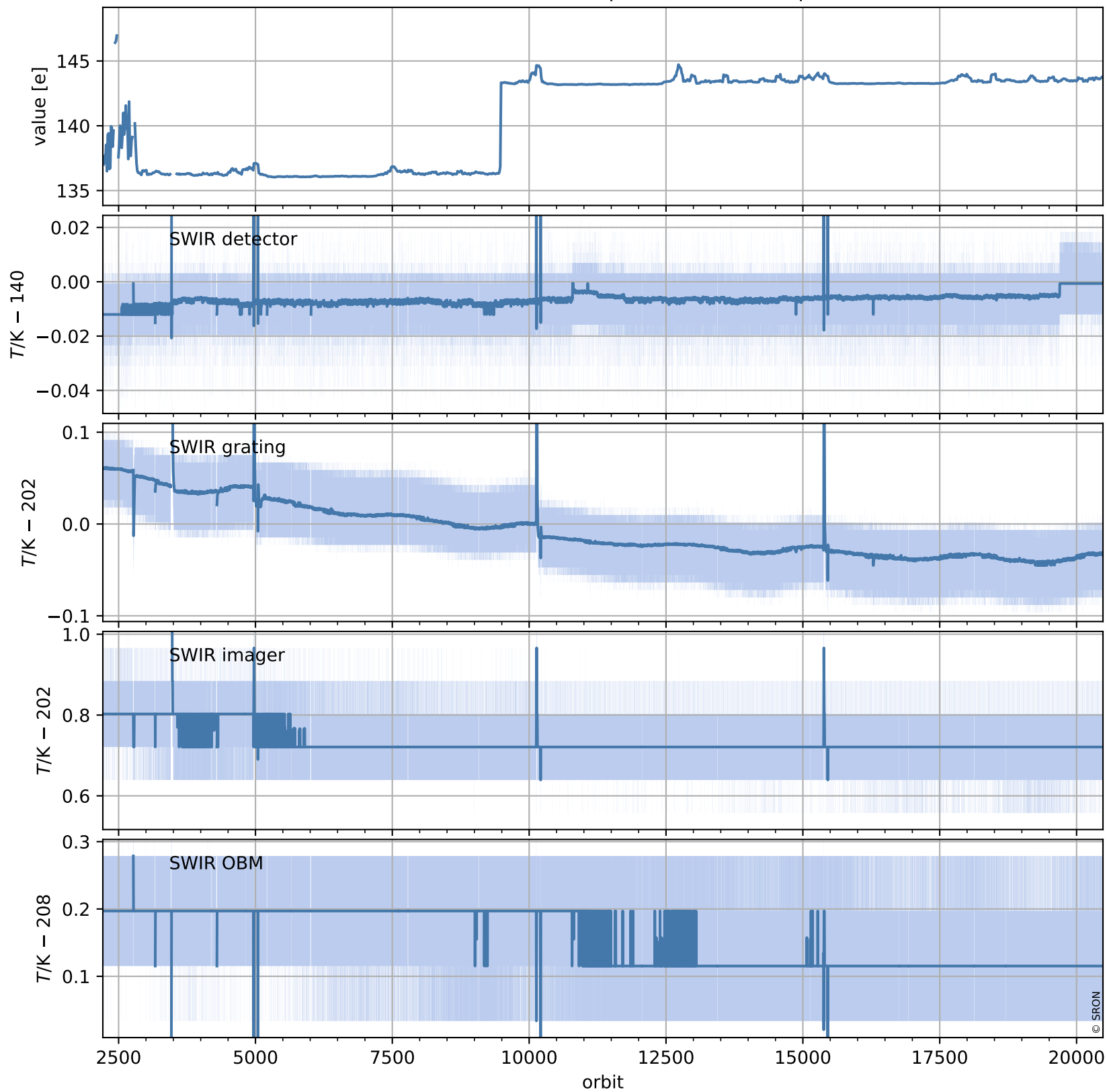
orbits : 13 in [20392, 20482]  
coverage : 2021-09-20 / 2021-09-25  
created : 2023-08-21T16:11:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 20482]  
coverage : 2018-03-18 / 2021-09-25  
created : 2023-08-21T16:11:43

## trend of detector median of plain noise & temperatures

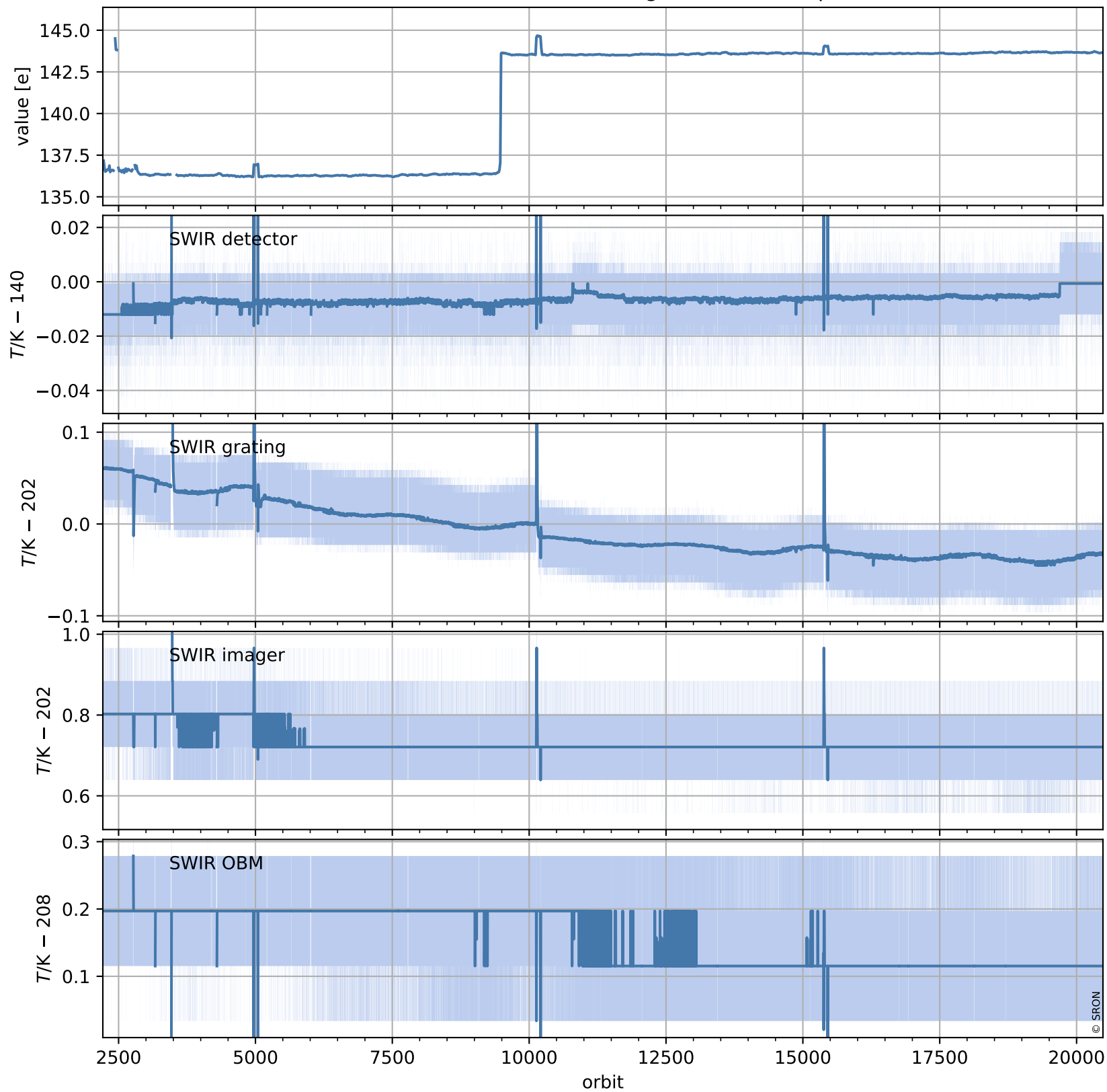




# Tropomi SWIR background noise (swir)

orbits : [2212, 20482]  
coverage : 2018-03-18 / 2021-09-25  
created : 2023-08-21T16:11:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 20482]  
coverage : 2018-03-18 / 2021-09-25  
created : 2023-08-21T16:11:45

## trend of normalized read-noise & temperatures

