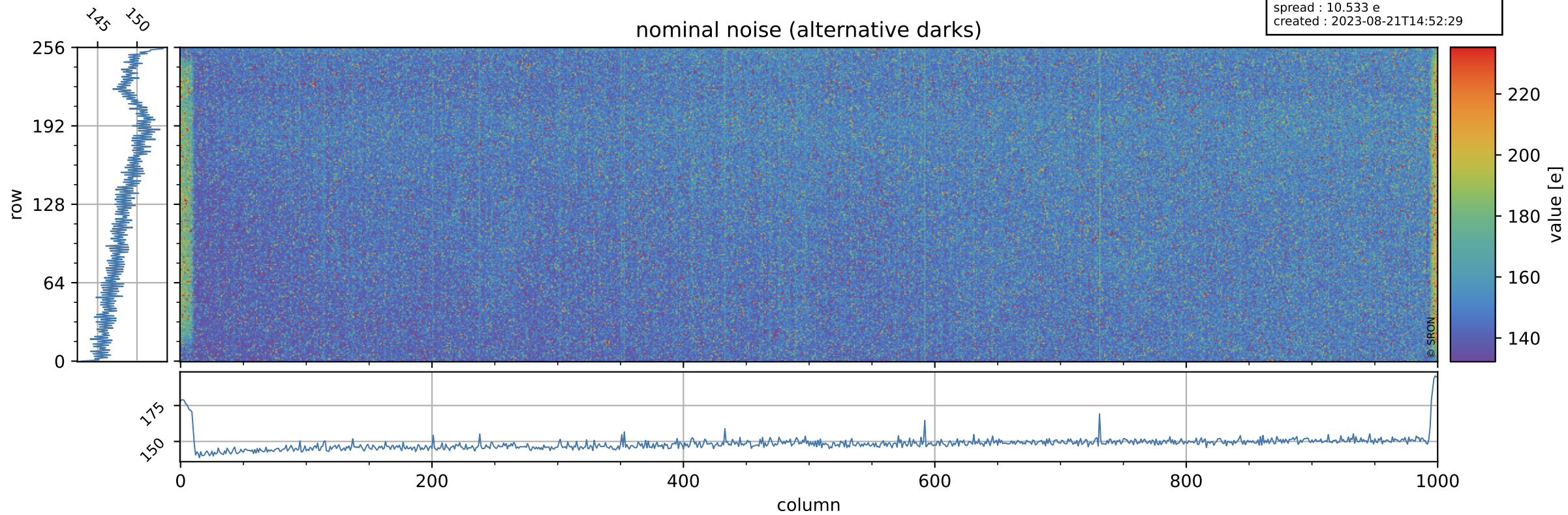


# Tropomi SWIR background noise (swir)

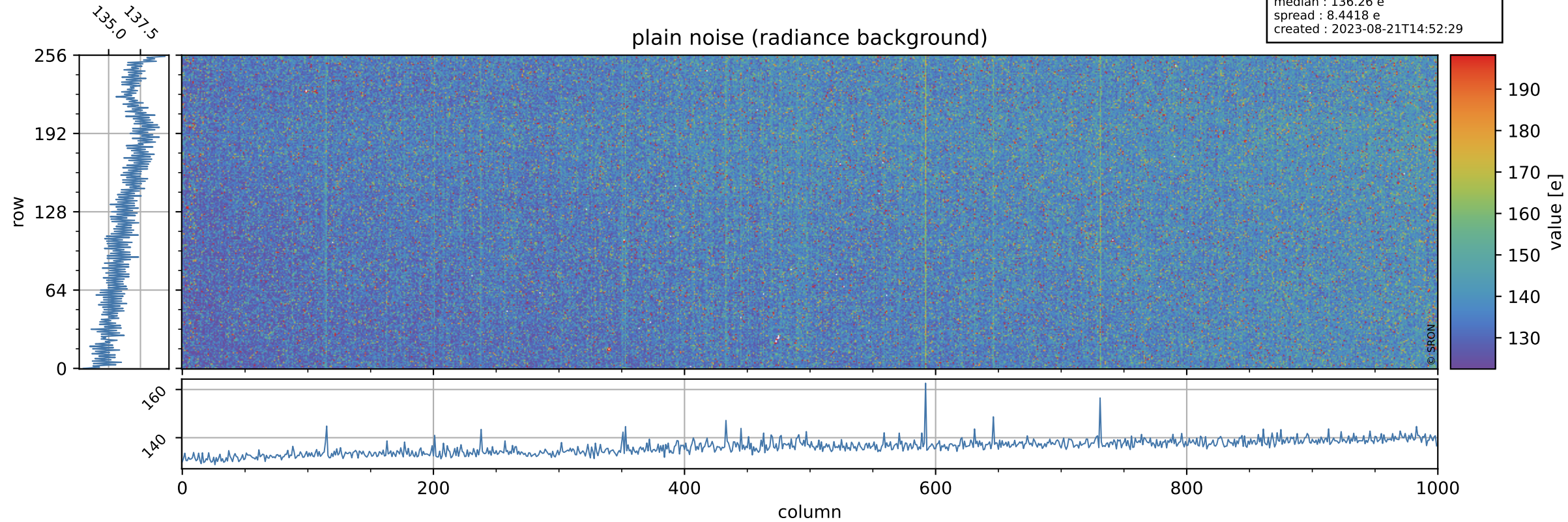
orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.34 e  
spread : 10.533 e  
created : 2023-08-21T14:52:29



# Tropomi SWIR background noise (swir)

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.4418 e  
created : 2023-08-21T14:52:29

plain noise (radiance background)

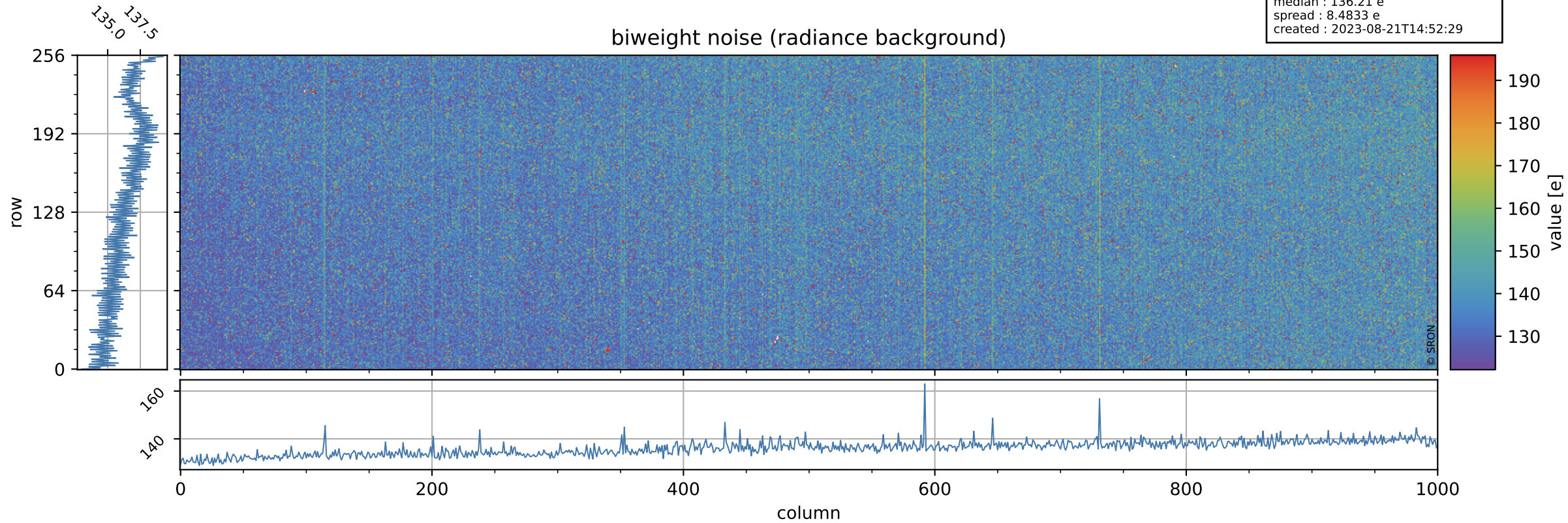




# Tropomi SWIR background noise (swir)

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.4833 e  
created : 2023-08-21T14:52:29

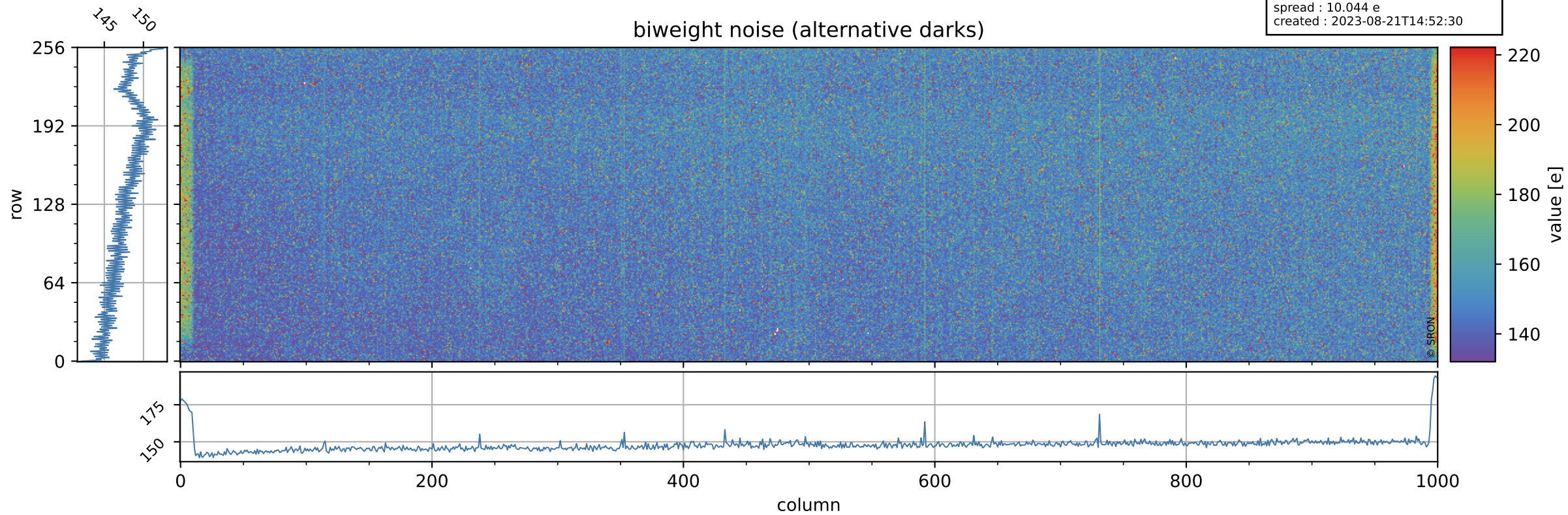
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 10.044 e  
created : 2023-08-21T14:52:30

## biweight noise (alternative darks)

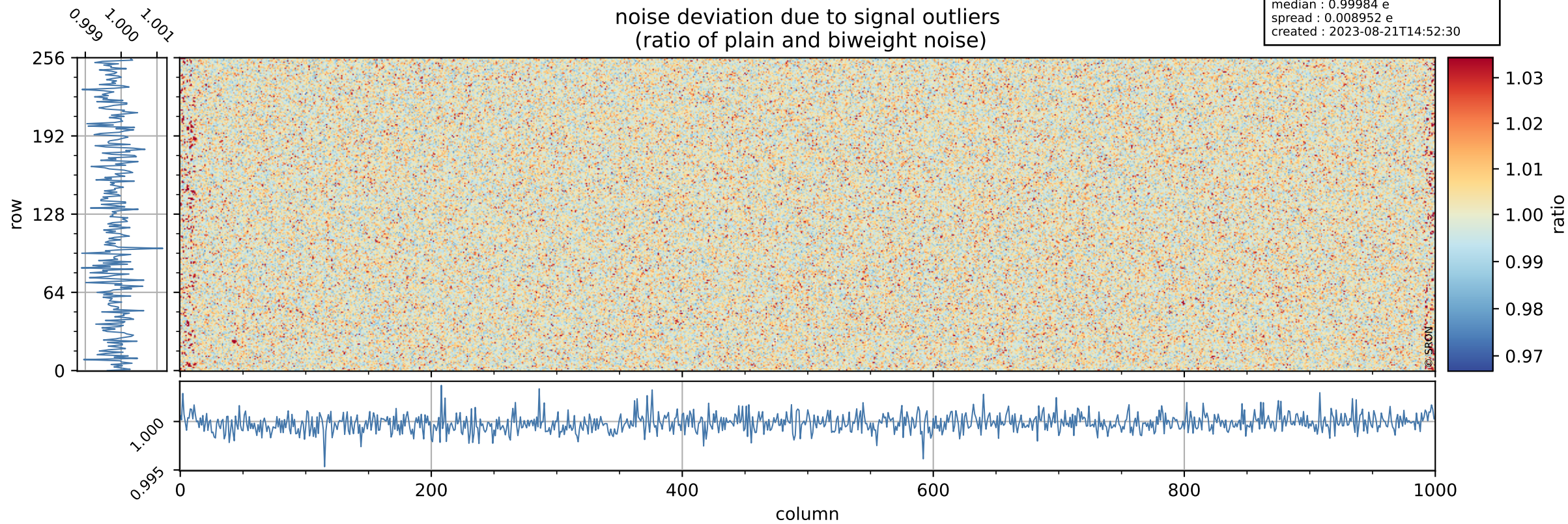




# Tropomi SWIR background noise (swir)

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

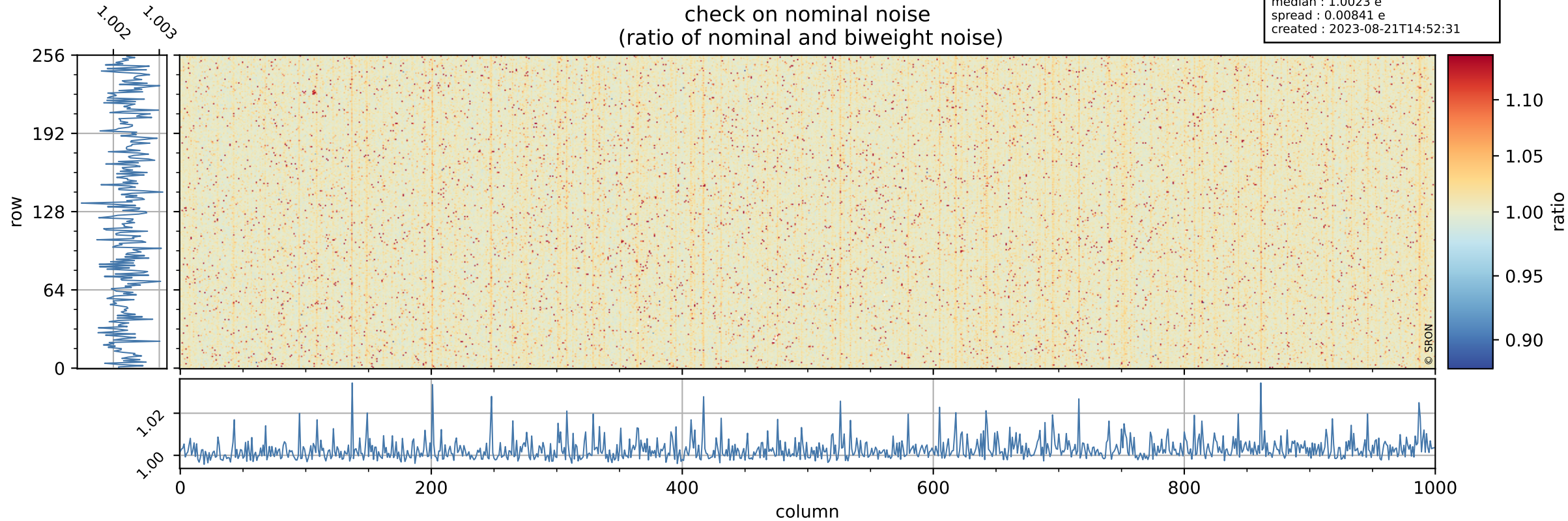
orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
median : 0.99984 e  
spread : 0.008952 e  
created : 2023-08-21T14:52:30



# Tropomi SWIR background noise (swir)

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

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
median : 1.0023 e  
spread : 0.00841 e  
created : 2023-08-21T14:52:31

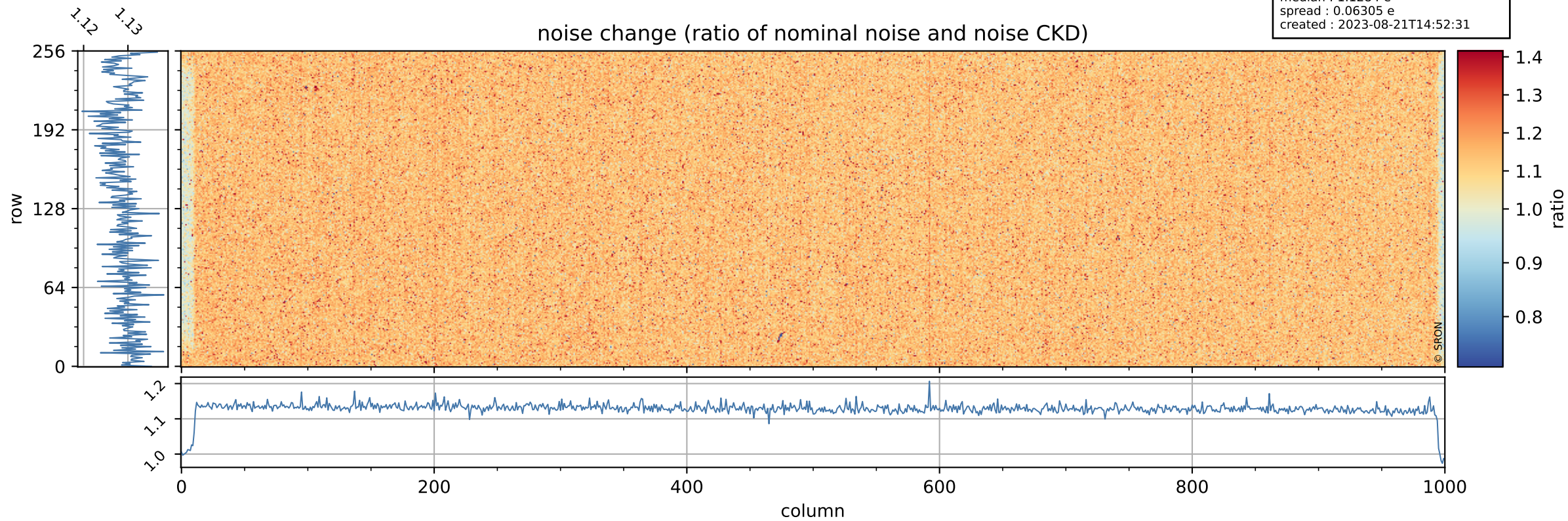




# Tropomi SWIR background noise (swir)

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
median : 1.1284 e  
spread : 0.06305 e  
created : 2023-08-21T14:52:31

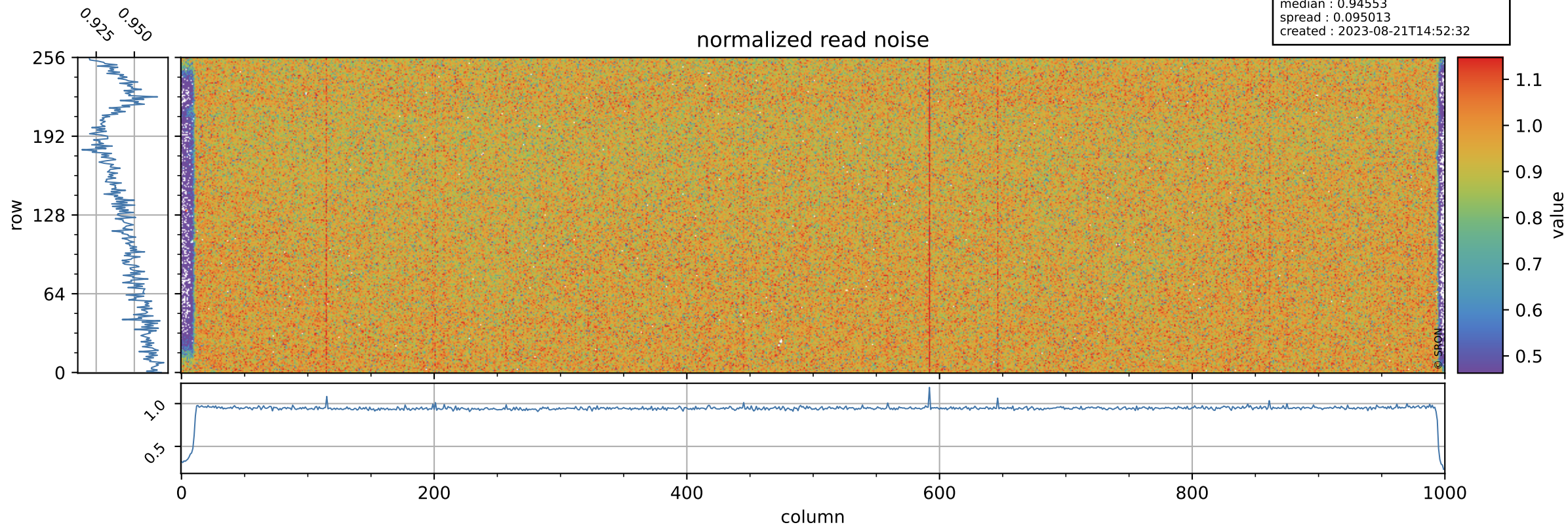
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
median : 0.94553  
spread : 0.095013  
created : 2023-08-21T14:52:32

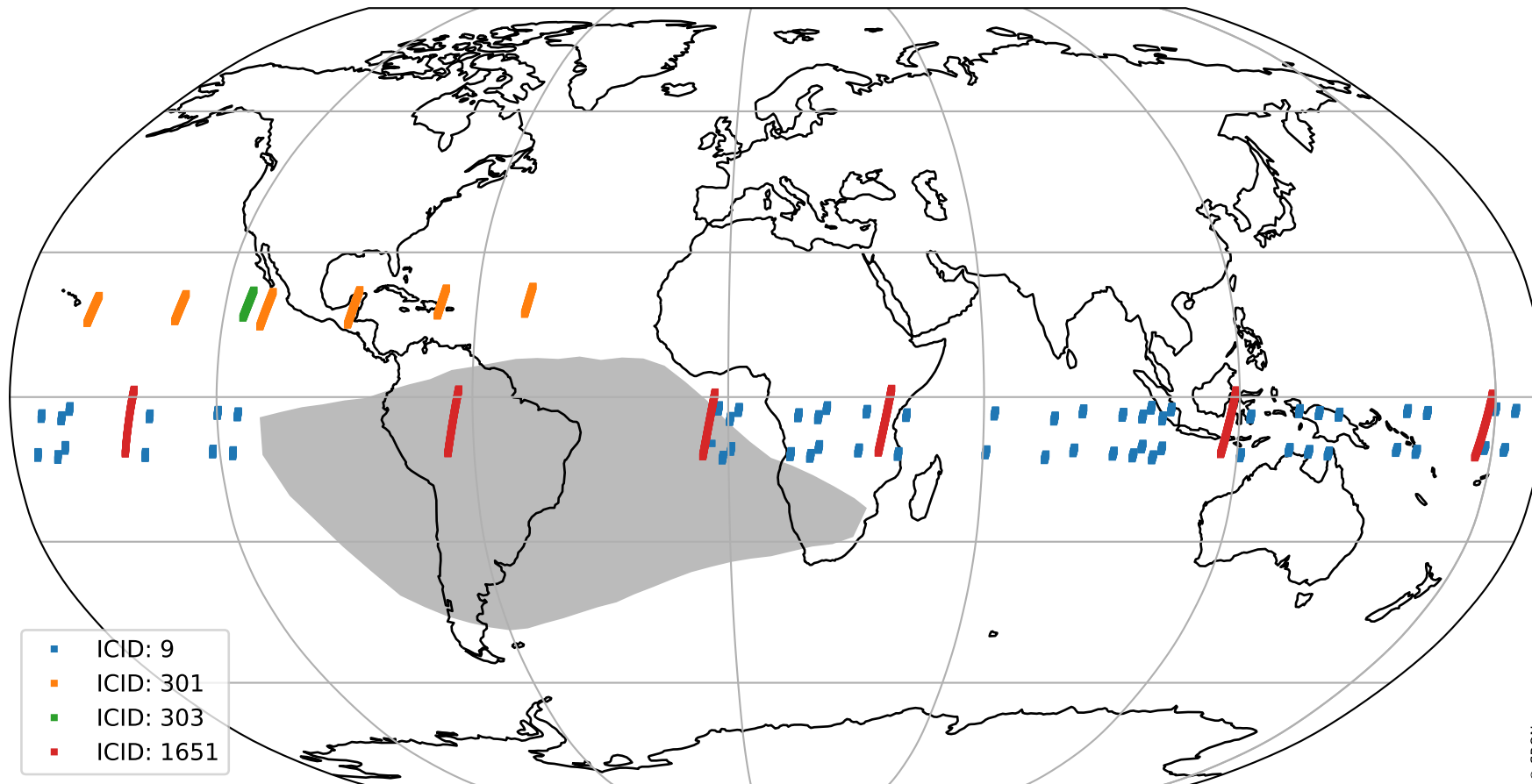
## normalized read noise





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

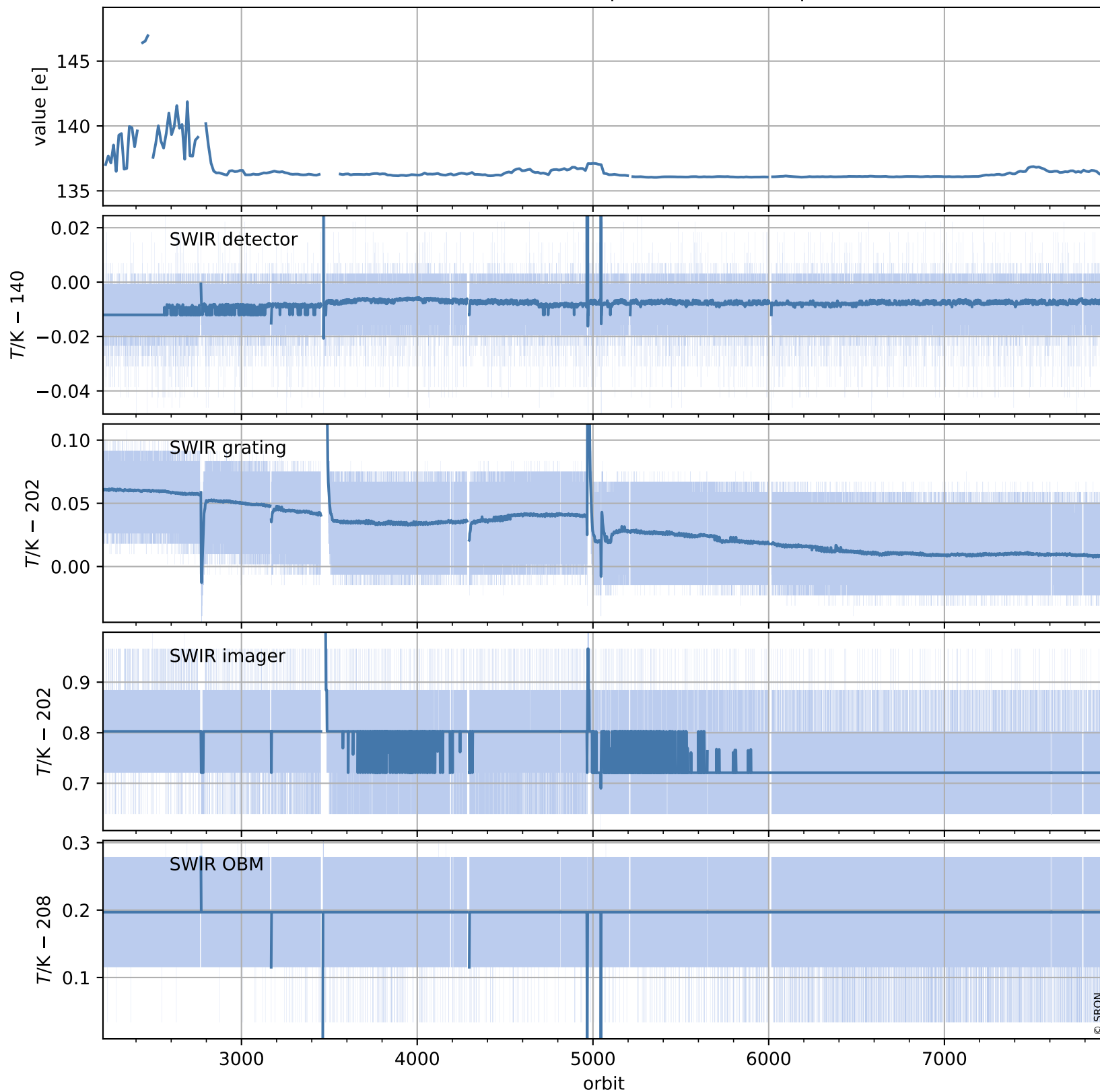
orbits : 13 in [7822, 7912]  
coverage : 2019-04-18 / 2019-04-23  
created : 2023-08-21T14:52:32



# Tropomi SWIR background noise (swir)

orbits : [2212, 7912]  
coverage : 2018-03-18 / 2019-04-23  
created : 2023-08-21T14:52:32

## trend of detector median of plain noise & temperatures

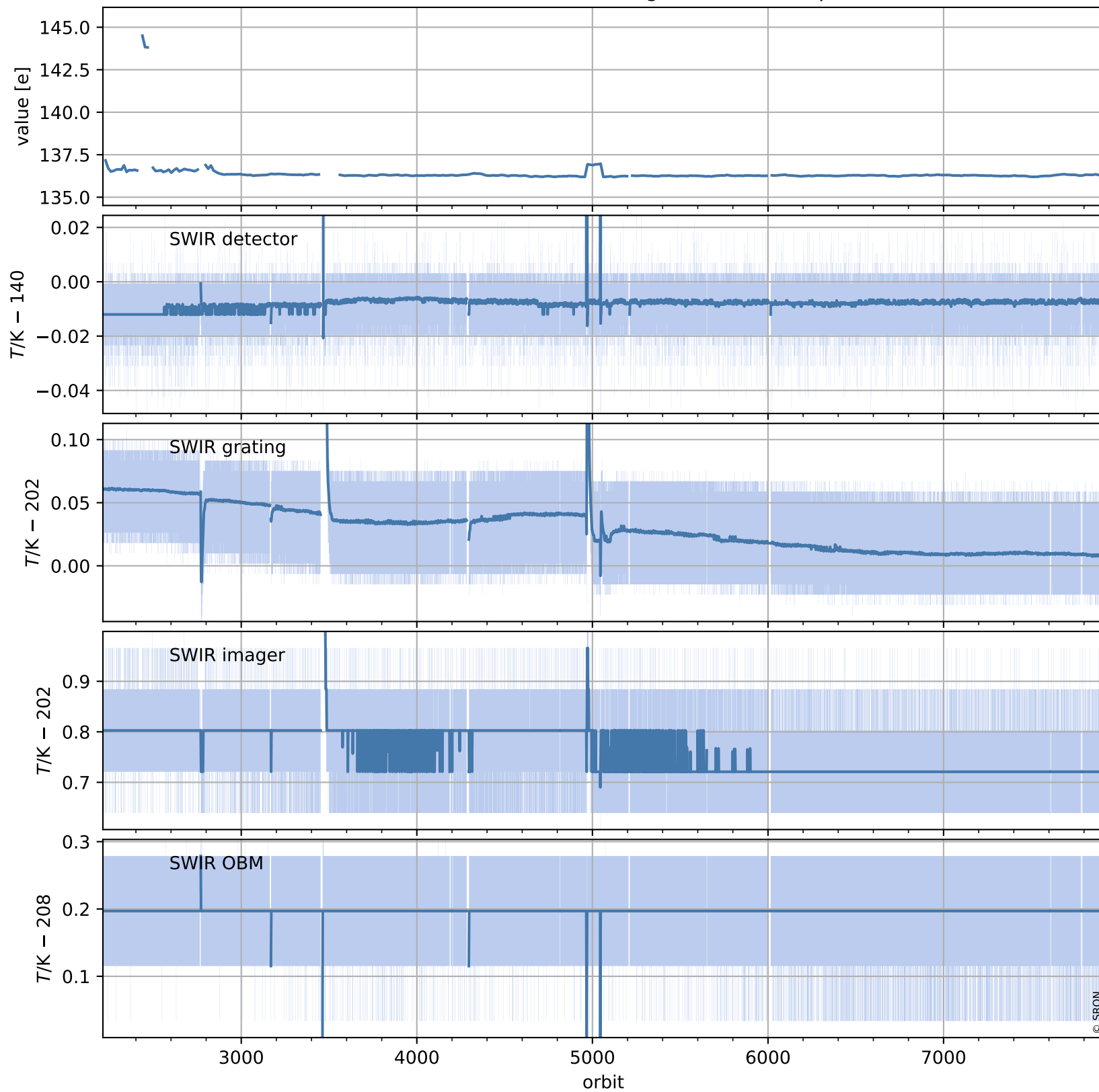




# Tropomi SWIR background noise (swir)

orbits : [2212, 7912]  
coverage : 2018-03-18 / 2019-04-23  
created : 2023-08-21T14:52:33

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7912]  
coverage : 2018-03-18 / 2019-04-23  
created : 2023-08-21T14:52:34

## trend of normalized read-noise & temperatures

