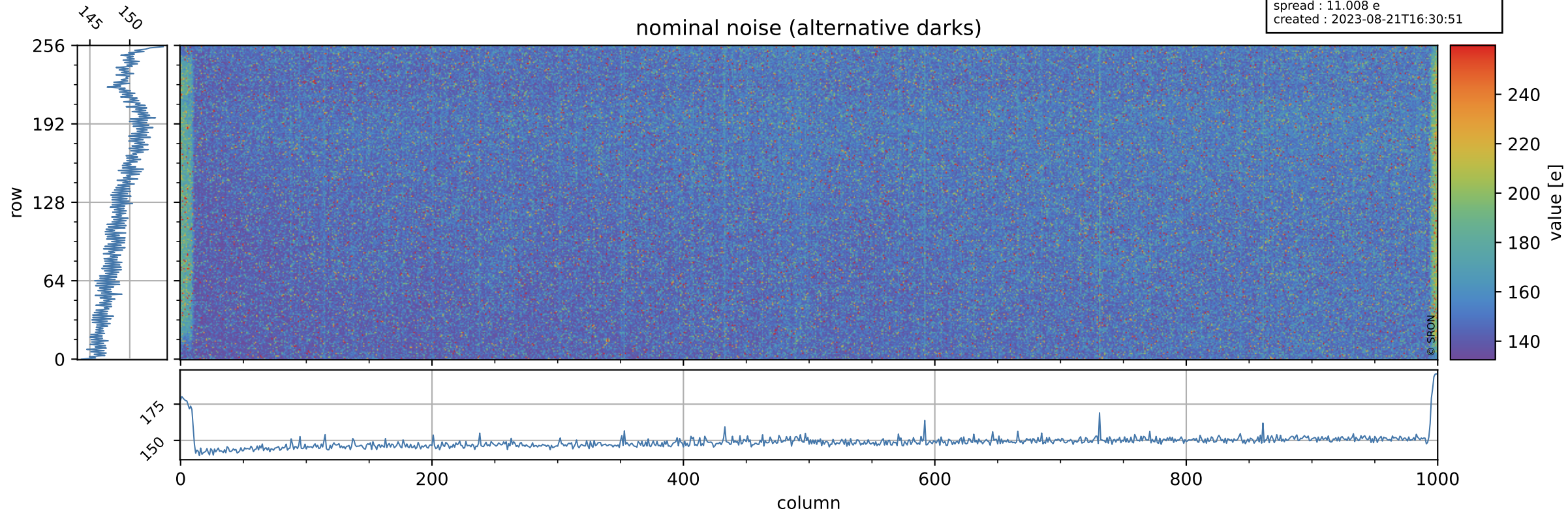


# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.81 e  
spread : 11.008 e  
created : 2023-08-21T16:30:51

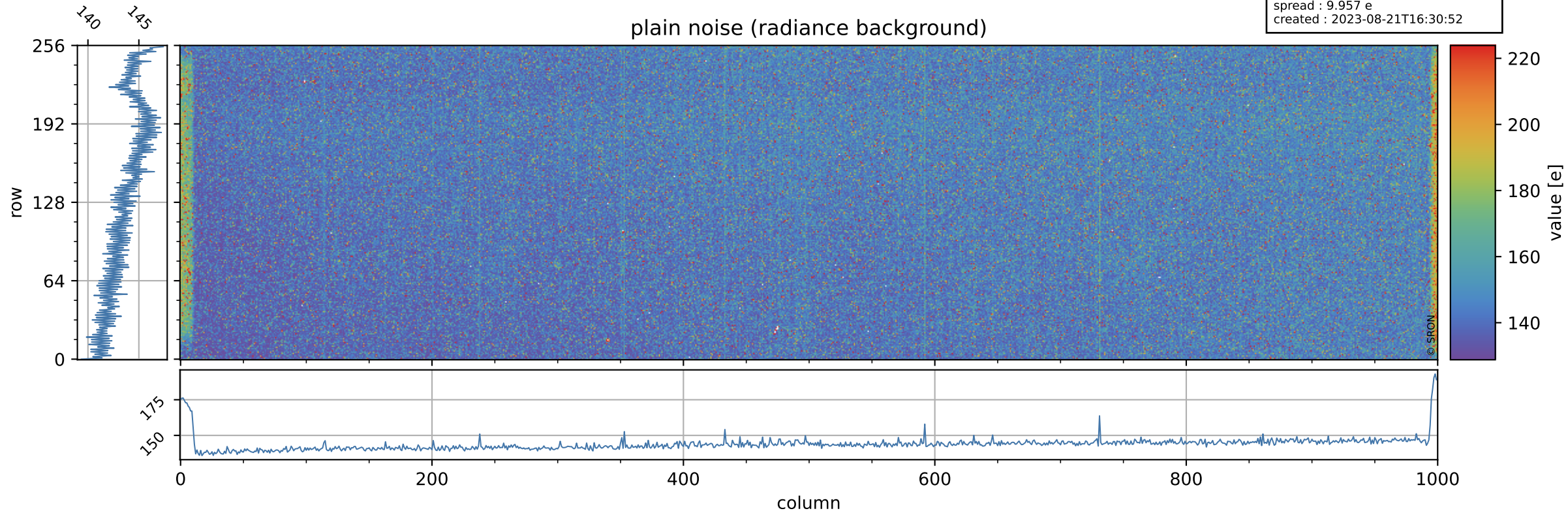
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.6 e  
spread : 9.957 e  
created : 2023-08-21T16:30:52

## plain noise (radiance background)

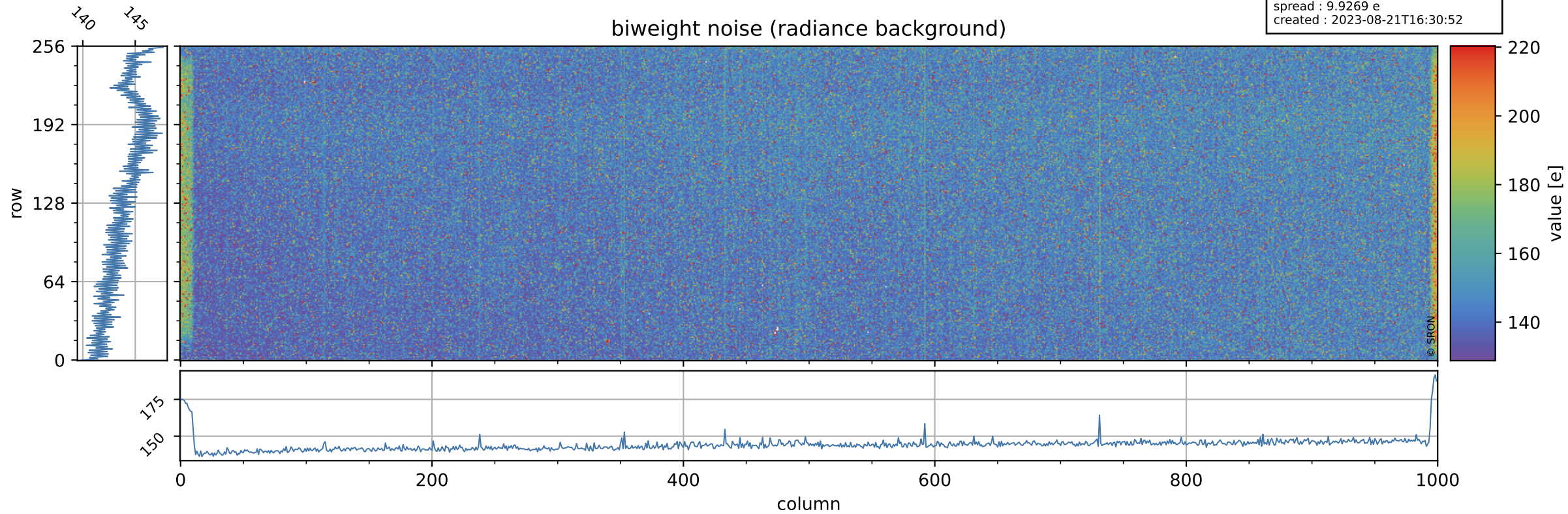




# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
n\_coad, t\_exp : 1, 0.8383  
median : 143.86 e  
spread : 9.9269 e  
created : 2023-08-21T16:30:52

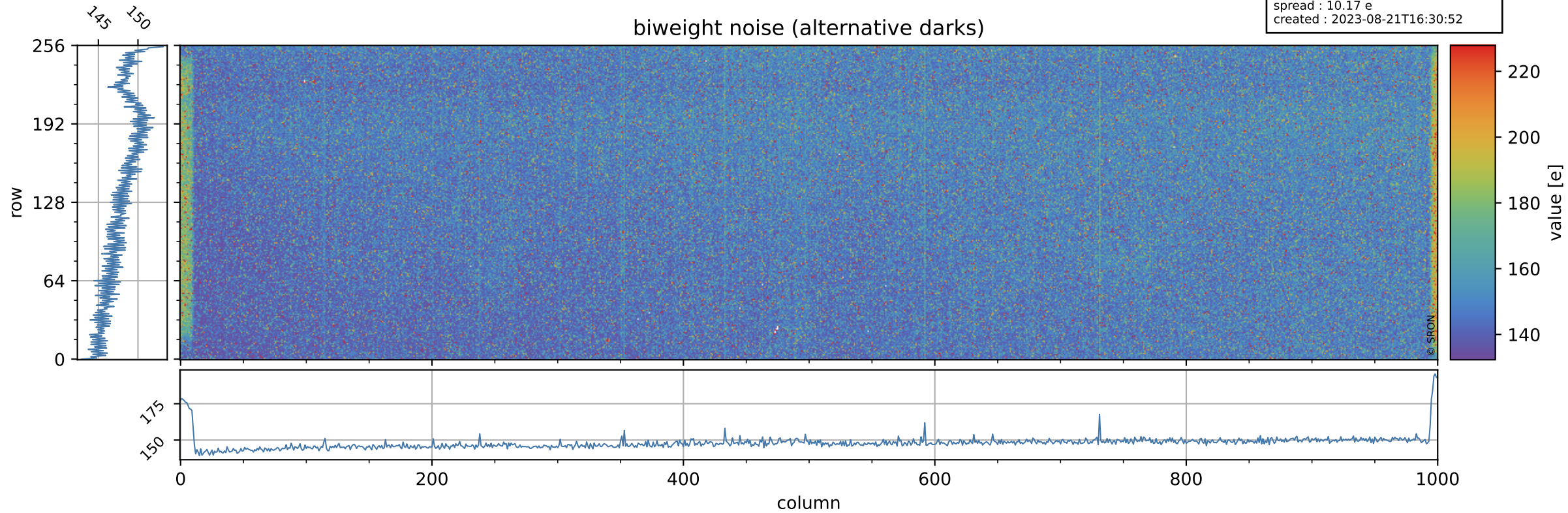
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.17 e  
created : 2023-08-21T16:30:52

## biweight noise (alternative darks)

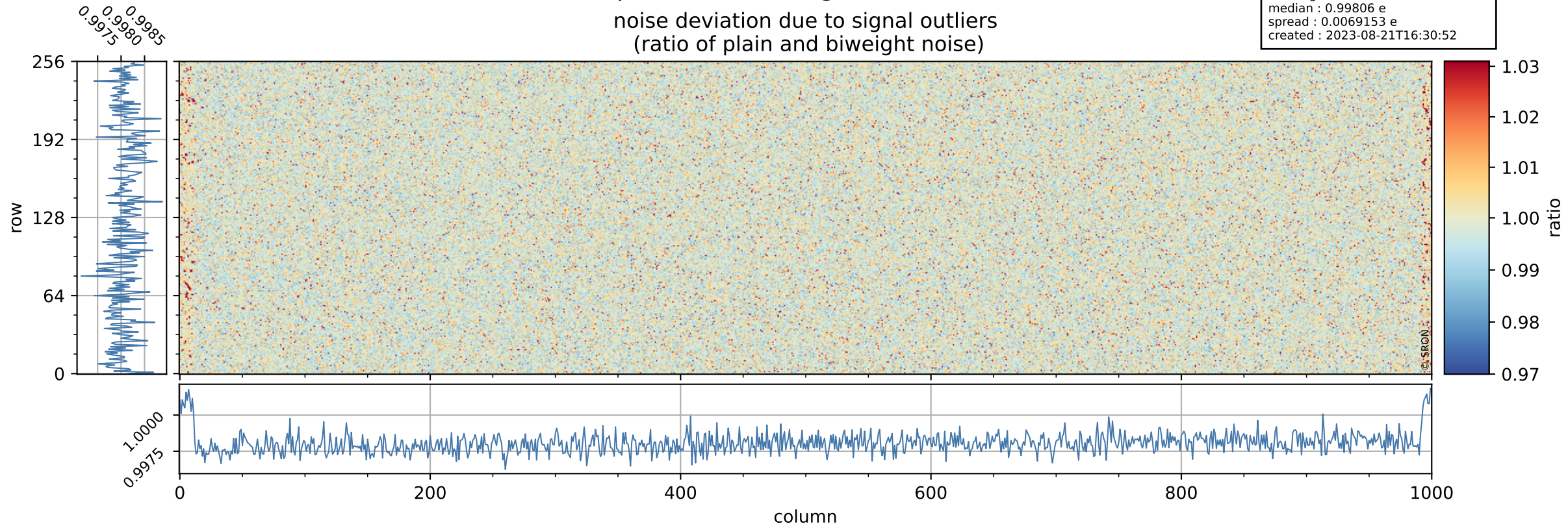




# Tropomi SWIR background noise (swir)

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

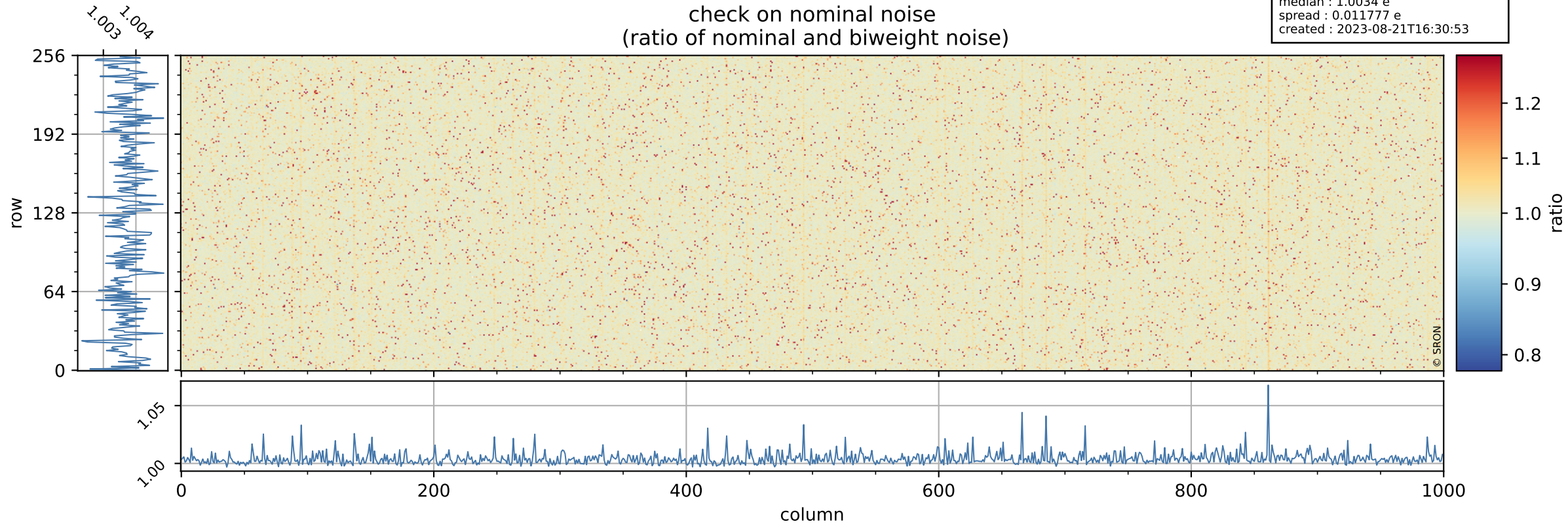
orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
median : 0.99806 e  
spread : 0.0069153 e  
created : 2023-08-21T16:30:52



# Tropomi SWIR background noise (swir)

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

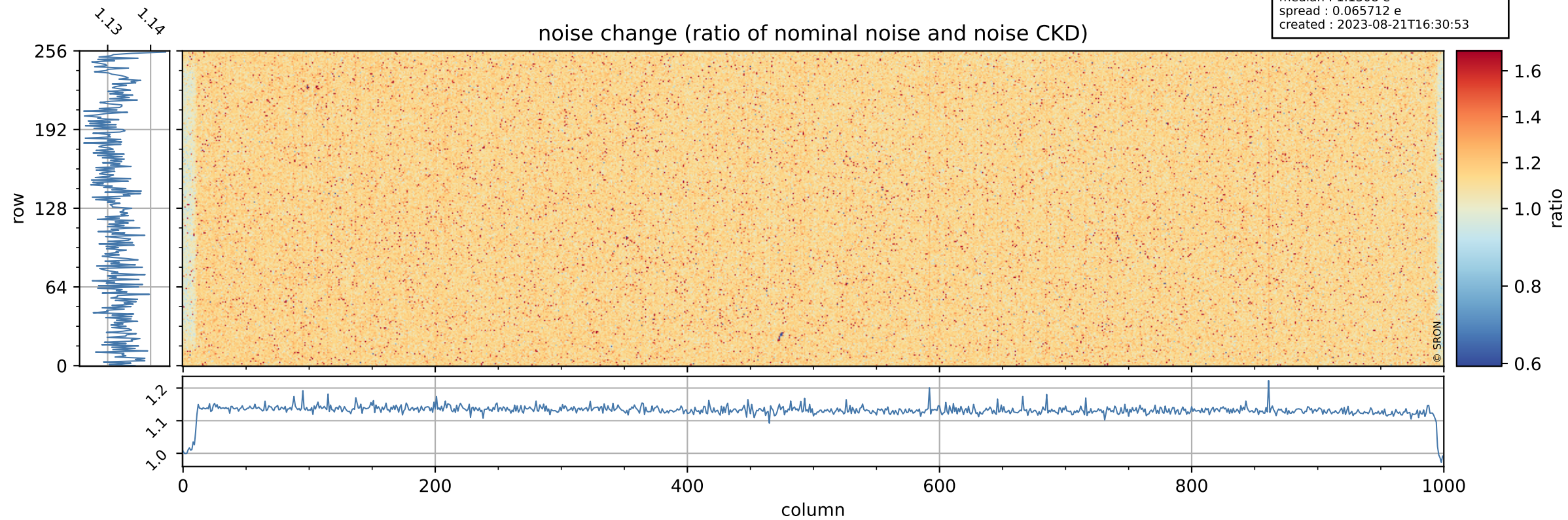
orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
median : 1.0034 e  
spread : 0.011777 e  
created : 2023-08-21T16:30:53





# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
median : 1.1308 e  
spread : 0.065712 e  
created : 2023-08-21T16:30:53

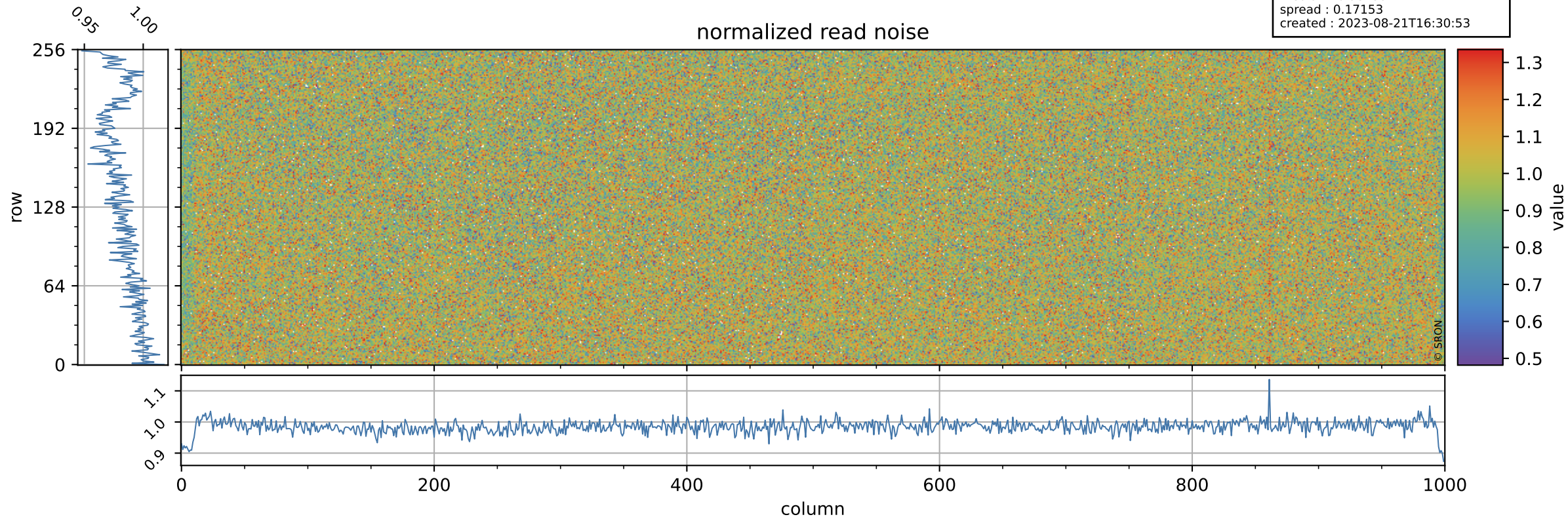




# Tropomi SWIR background noise (swir)

orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
median : 0.98259  
spread : 0.17153  
created : 2023-08-21T16:30:53

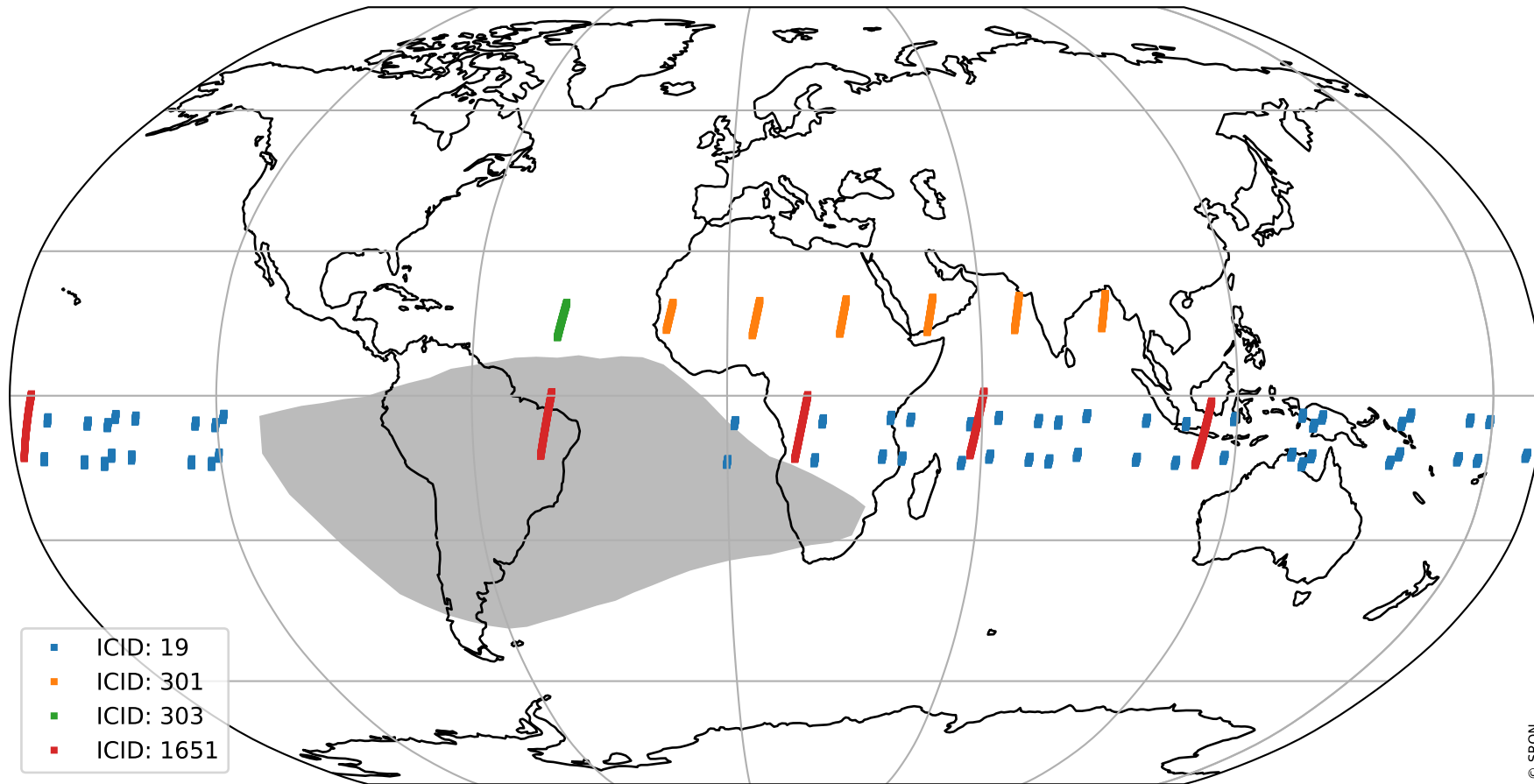
normalized read noise





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

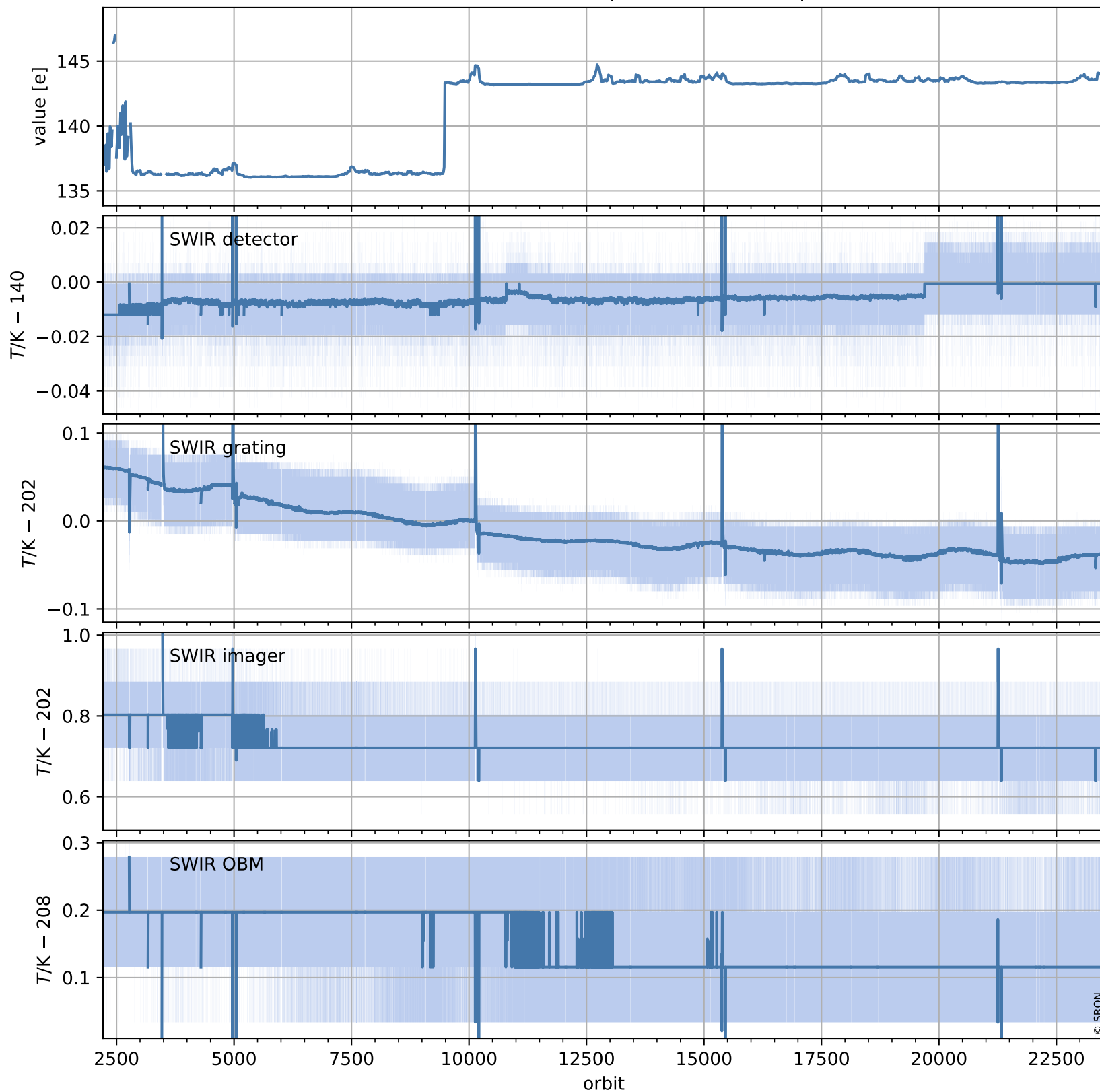
orbits : 12 in [23437, 23527]  
coverage : 2022-04-22 / 2022-04-28  
created : 2023-08-21T16:30:54



# Tropomi SWIR background noise (swir)

orbits : [2212, 23527]  
coverage : 2018-03-18 / 2022-04-28  
created : 2023-08-21T16:30:54

## trend of detector median of plain noise & temperatures

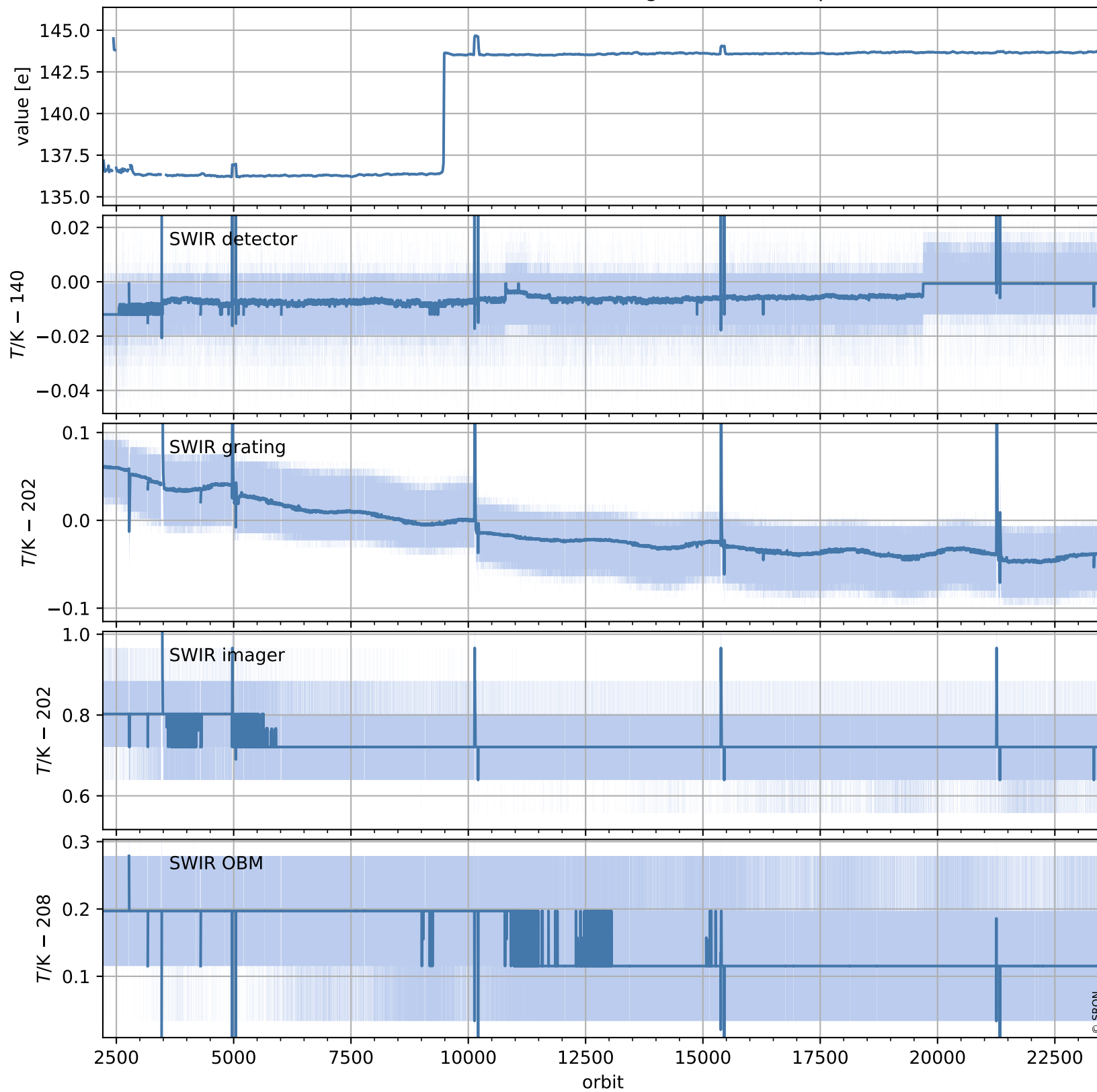




# Tropomi SWIR background noise (swir)

orbits : [2212, 23527]  
coverage : 2018-03-18 / 2022-04-28  
created : 2023-08-21T16:30:55

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23527]  
coverage : 2018-03-18 / 2022-04-28  
created : 2023-08-21T16:30:56

## trend of normalized read-noise & temperatures

