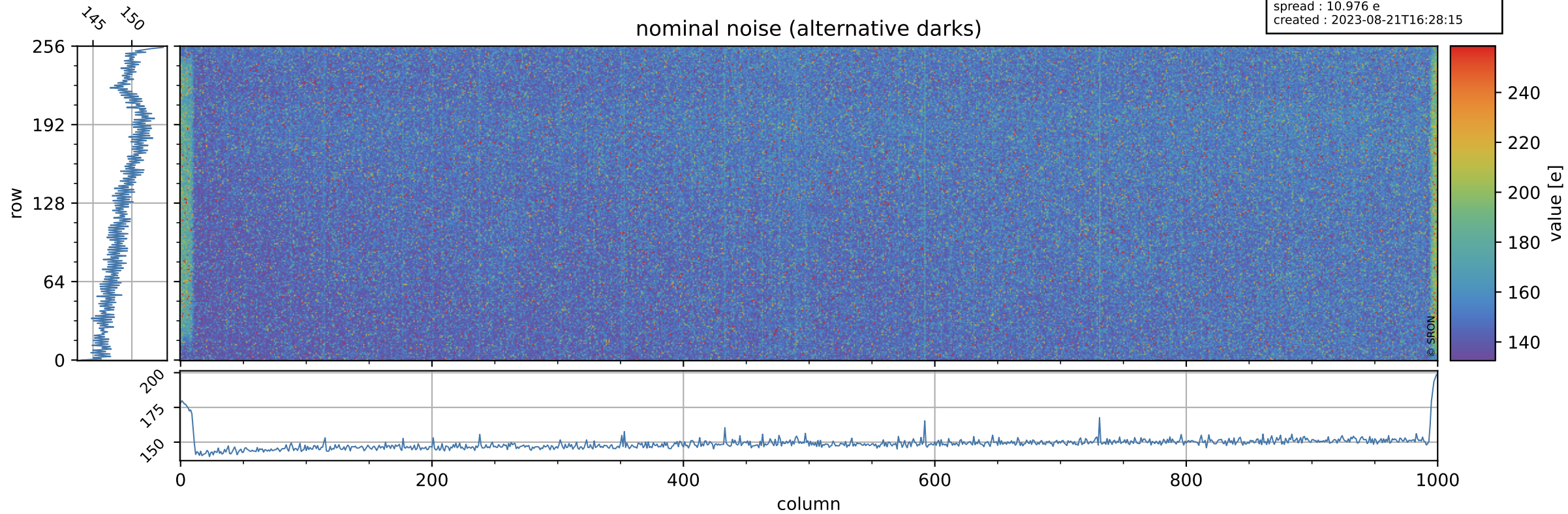


# Tropomi SWIR background noise (swir)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.976 e  
created : 2023-08-21T16:28:15

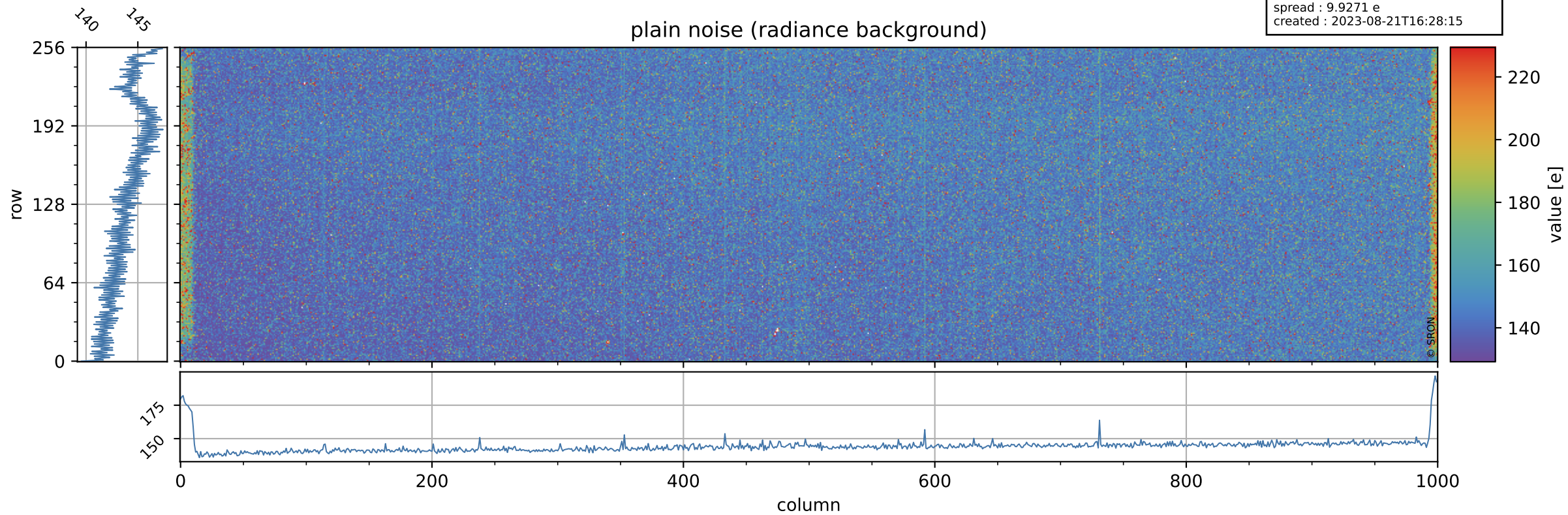
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.84 e  
spread : 9.9271 e  
created : 2023-08-21T16:28:15

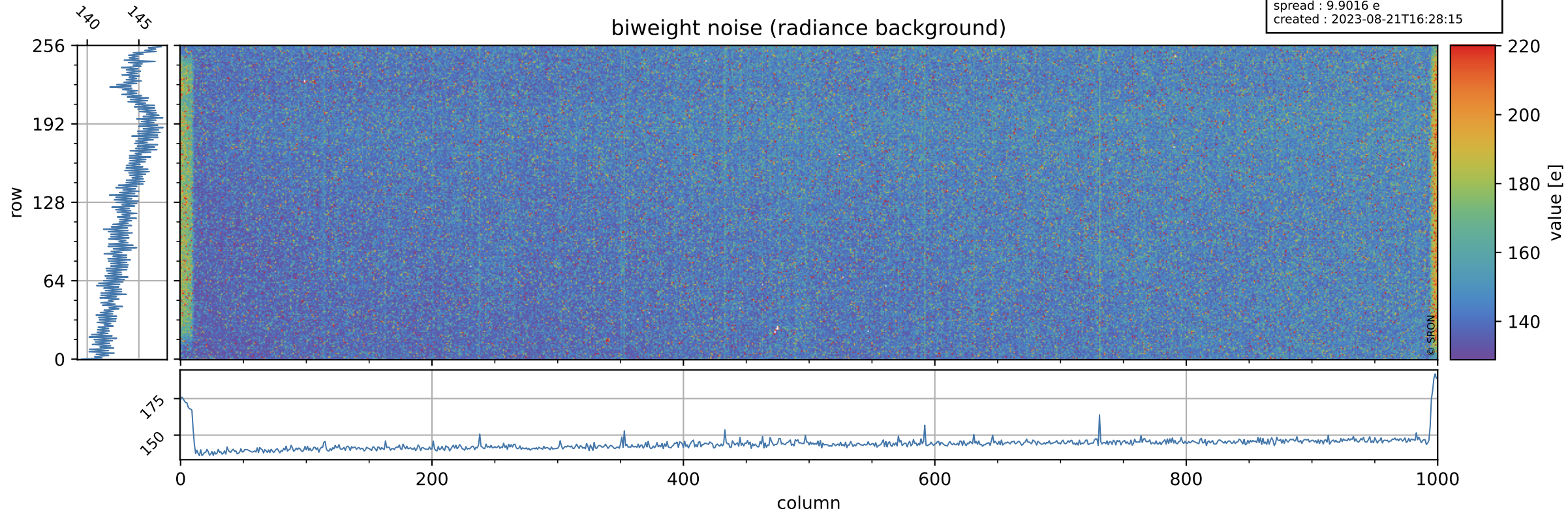
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.9016 e  
created : 2023-08-21T16:28:15

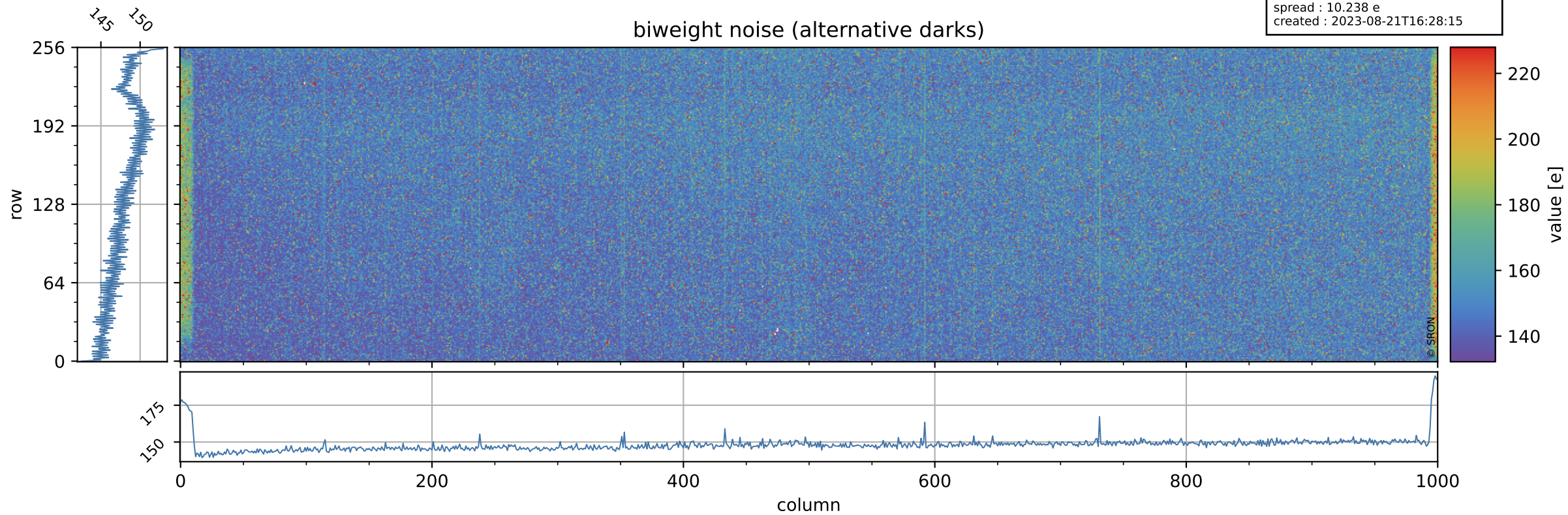
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.82 e  
spread : 10.238 e  
created : 2023-08-21T16:28:15

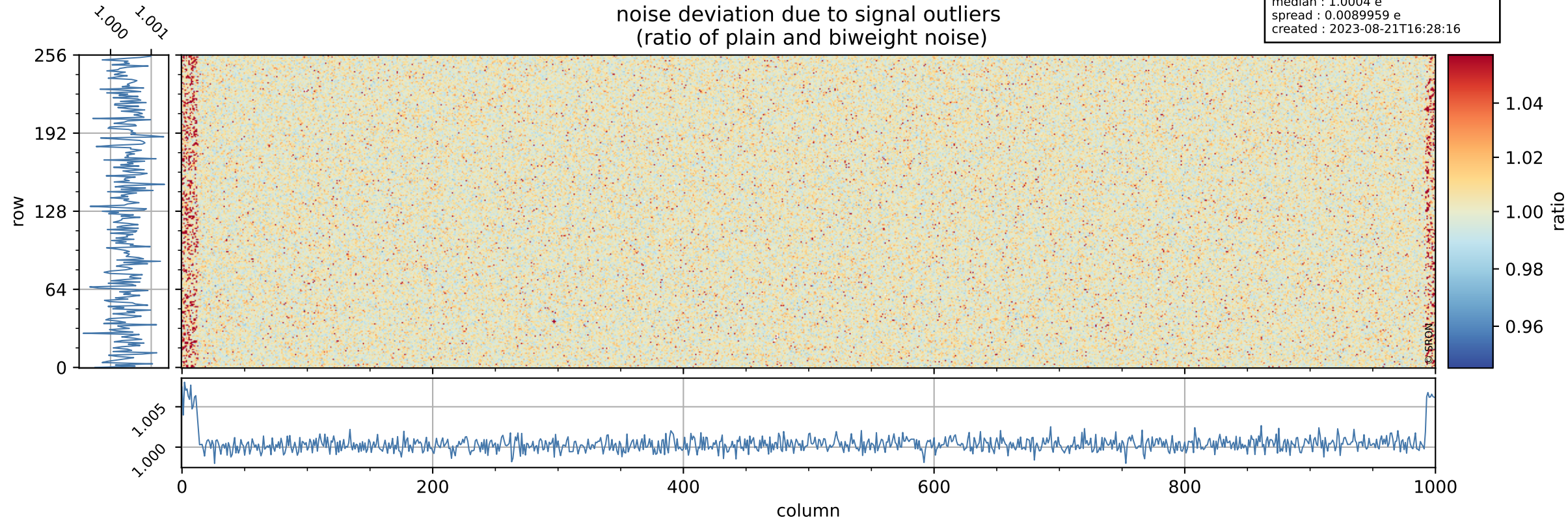
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

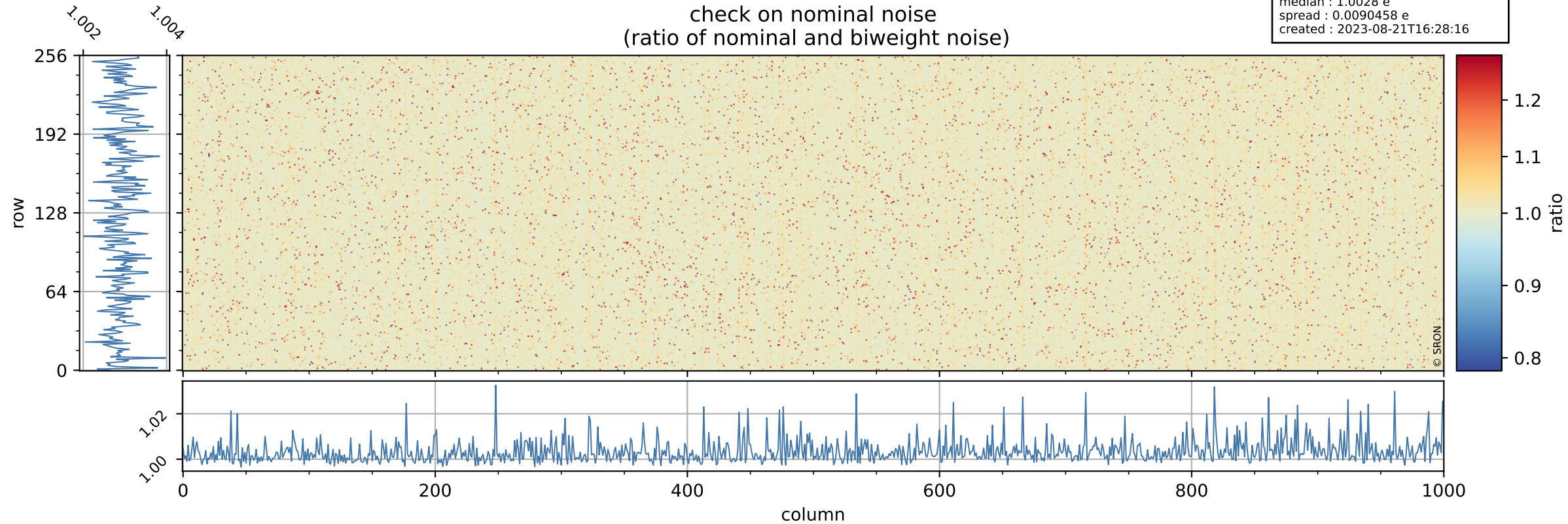
orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
median : 1.0004 e  
spread : 0.0089959 e  
created : 2023-08-21T16:28:16



# Tropomi SWIR background noise (swir)

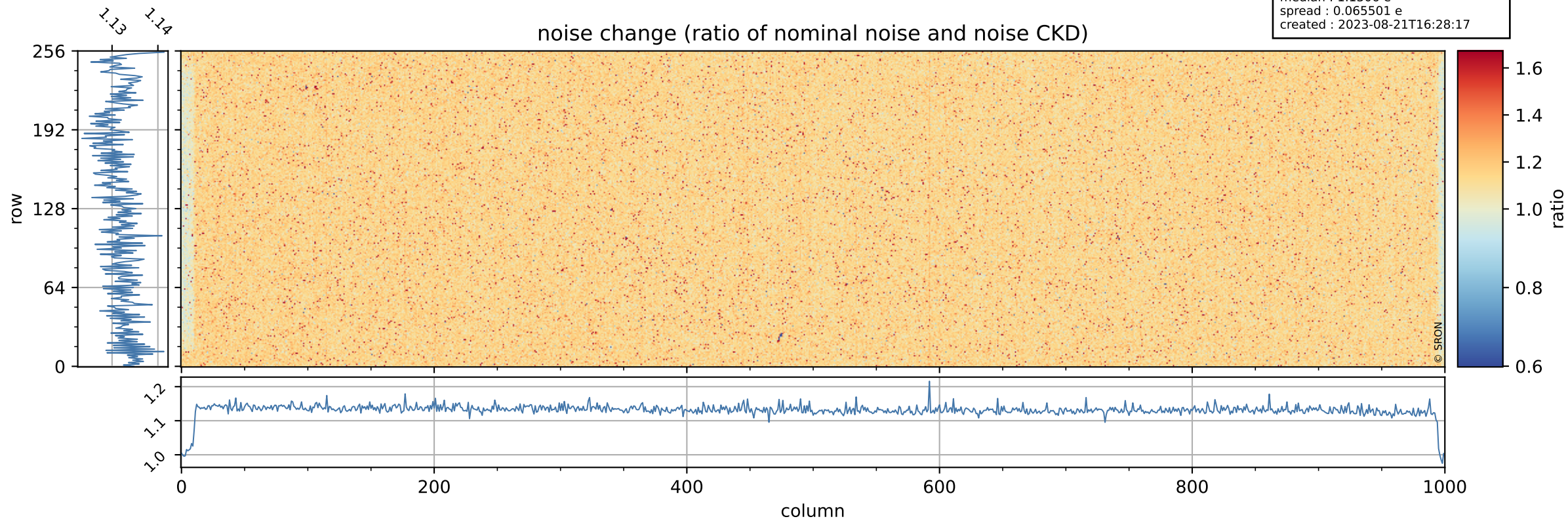
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
median : 1.0028 e  
spread : 0.0090458 e  
created : 2023-08-21T16:28:16



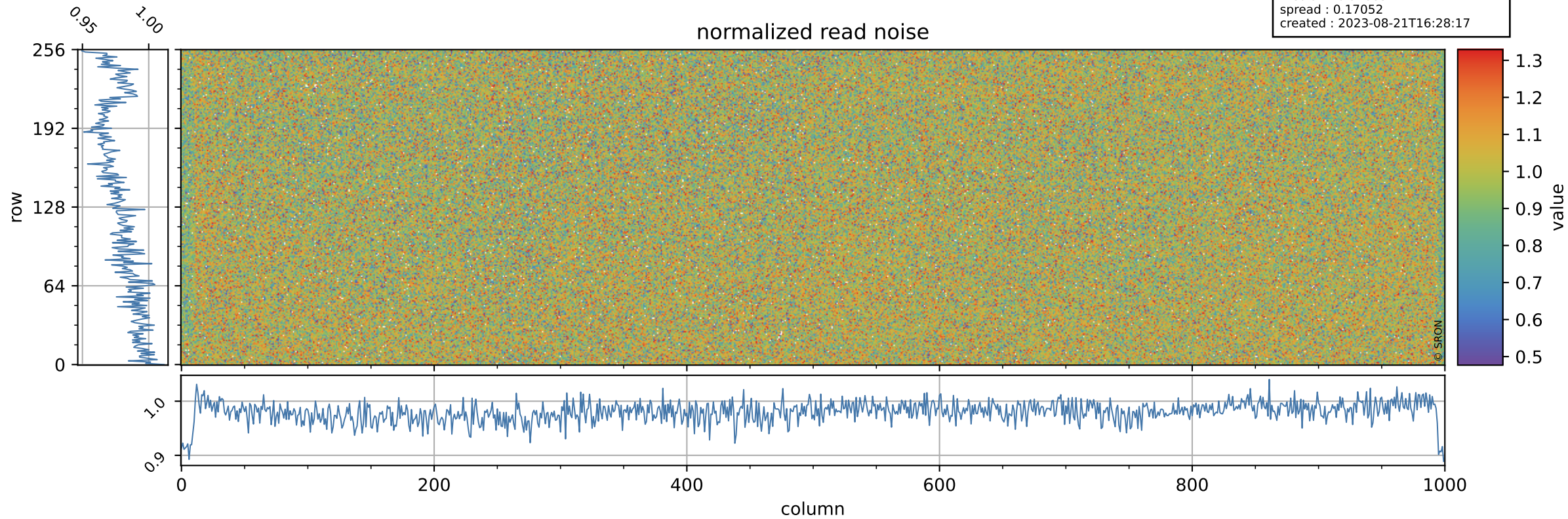
# Tropomi SWIR background noise (swir)

orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
median : 1.1306 e  
spread : 0.065501 e  
created : 2023-08-21T16:28:17



# Tropomi SWIR background noise (swir)

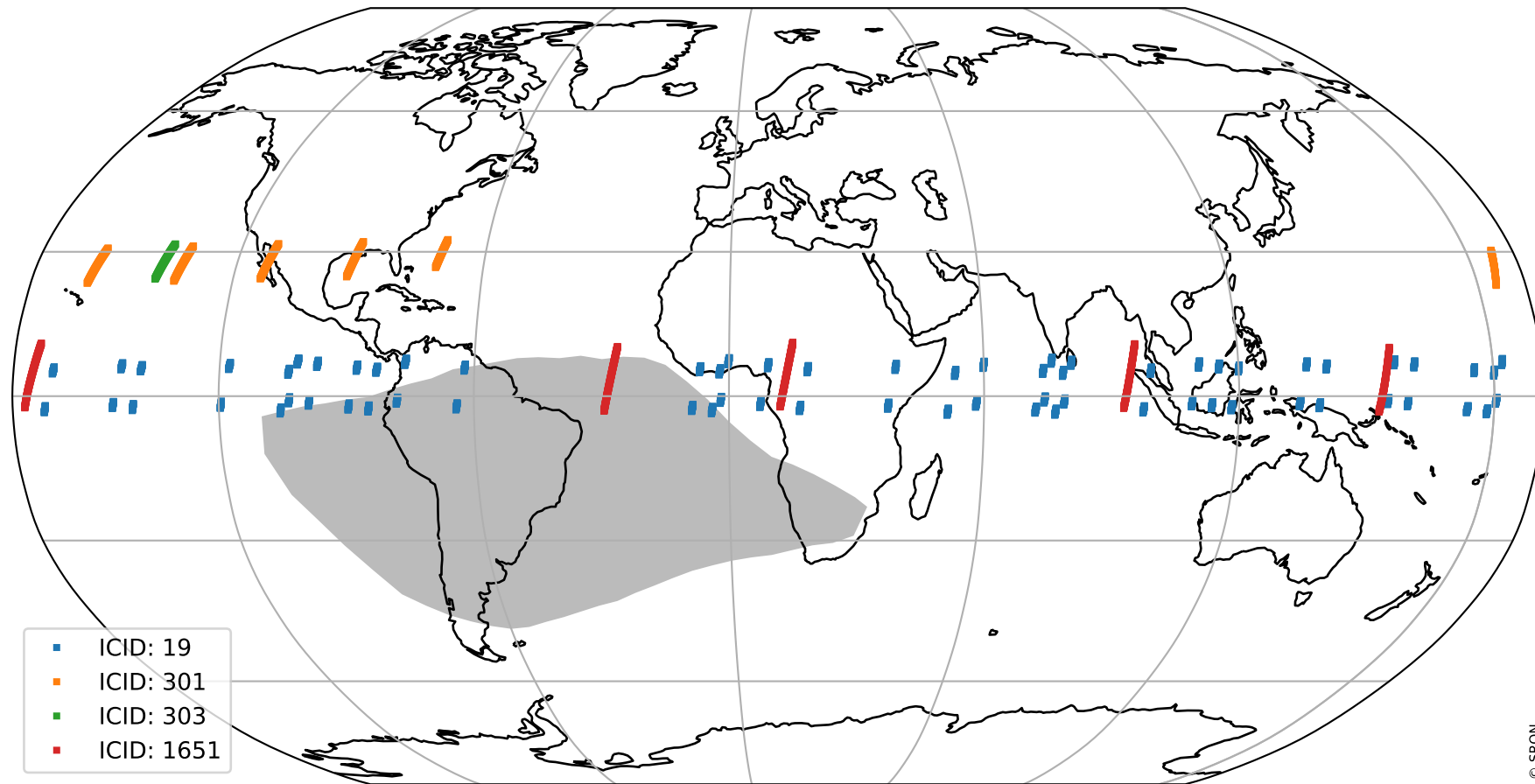
orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
median : 0.97885  
spread : 0.17052  
created : 2023-08-21T16:28:17





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

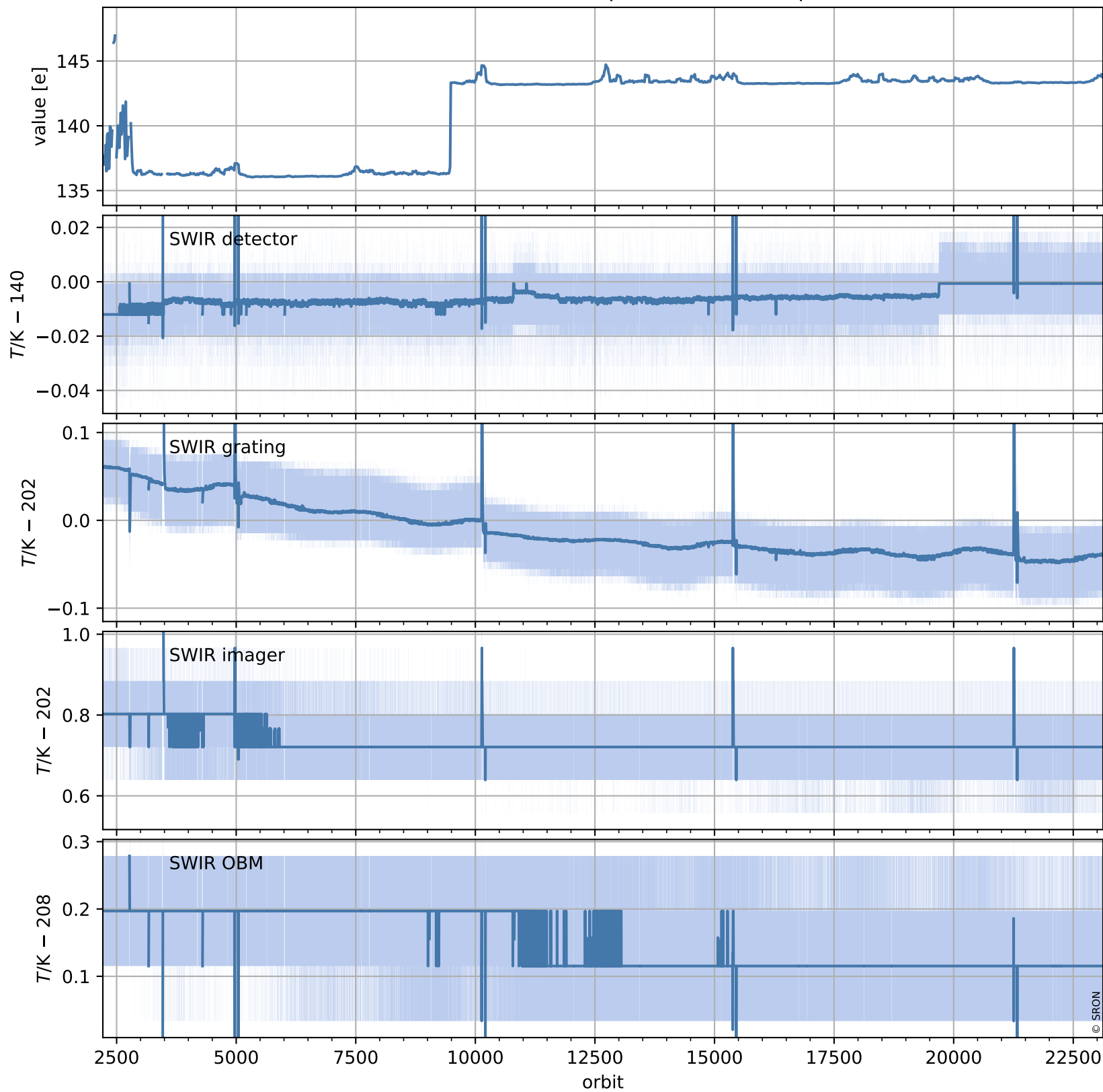
orbits : 12 in [23032, 23122]  
coverage : 2022-03-25 / 2022-03-30  
created : 2023-08-21T16:28:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 23122]  
coverage : 2018-03-18 / 2022-03-30  
created : 2023-08-21T16:28:18

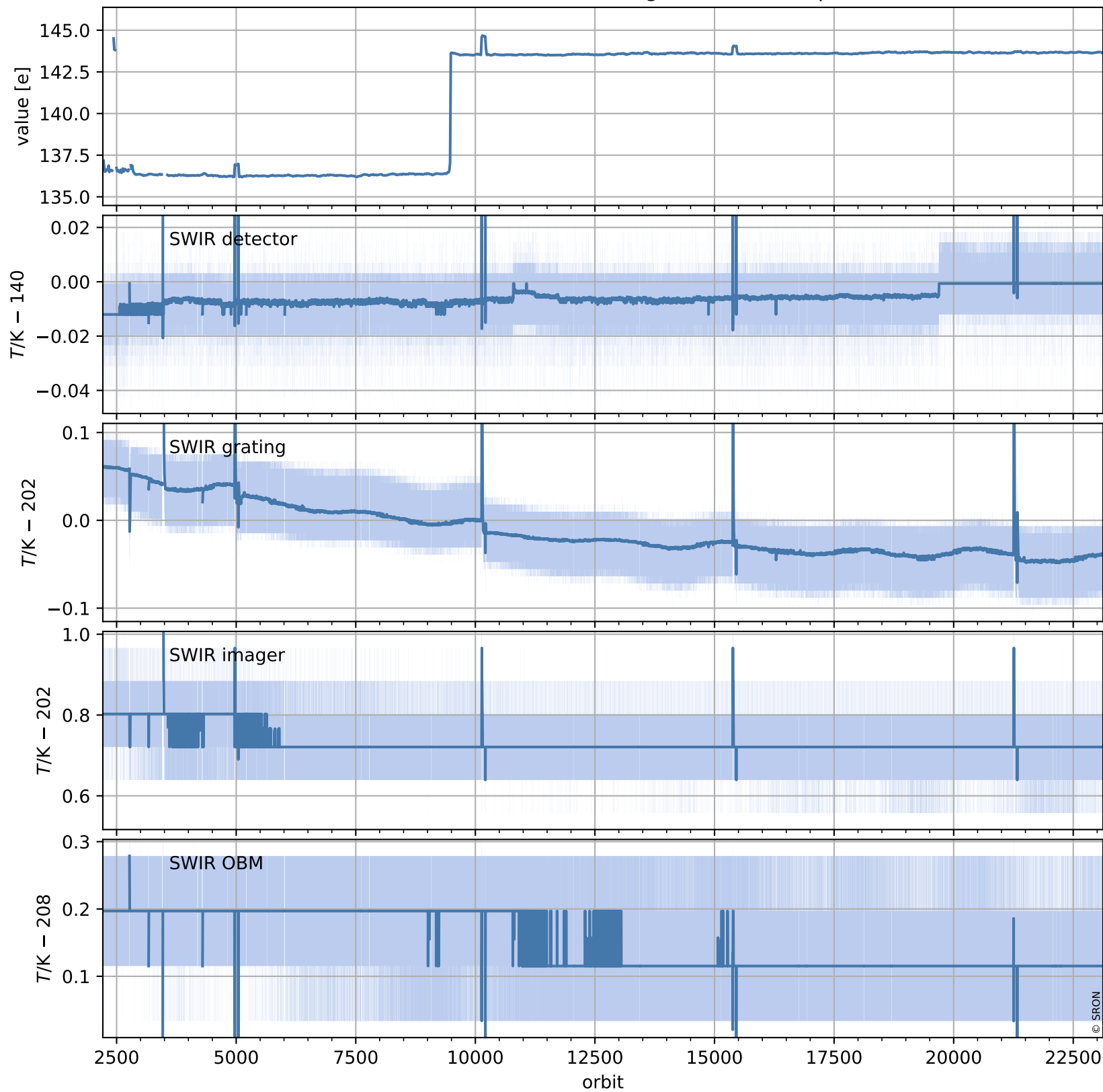
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23122]  
coverage : 2018-03-18 / 2022-03-30  
created : 2023-08-21T16:28:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23122]  
coverage : 2018-03-18 / 2022-03-30  
created : 2023-08-21T16:28:19

## trend of normalized read-noise & temperatures

