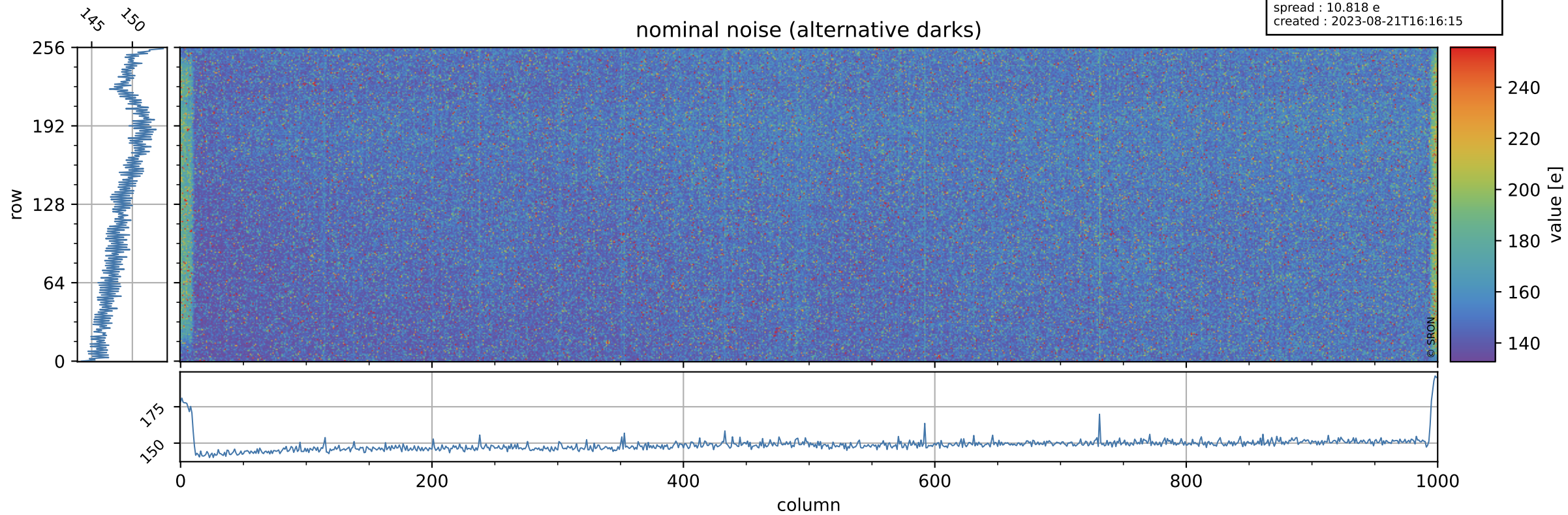


# Tropomi SWIR background noise (swir)

orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.71 e  
spread : 10.818 e  
created : 2023-08-21T16:16:15

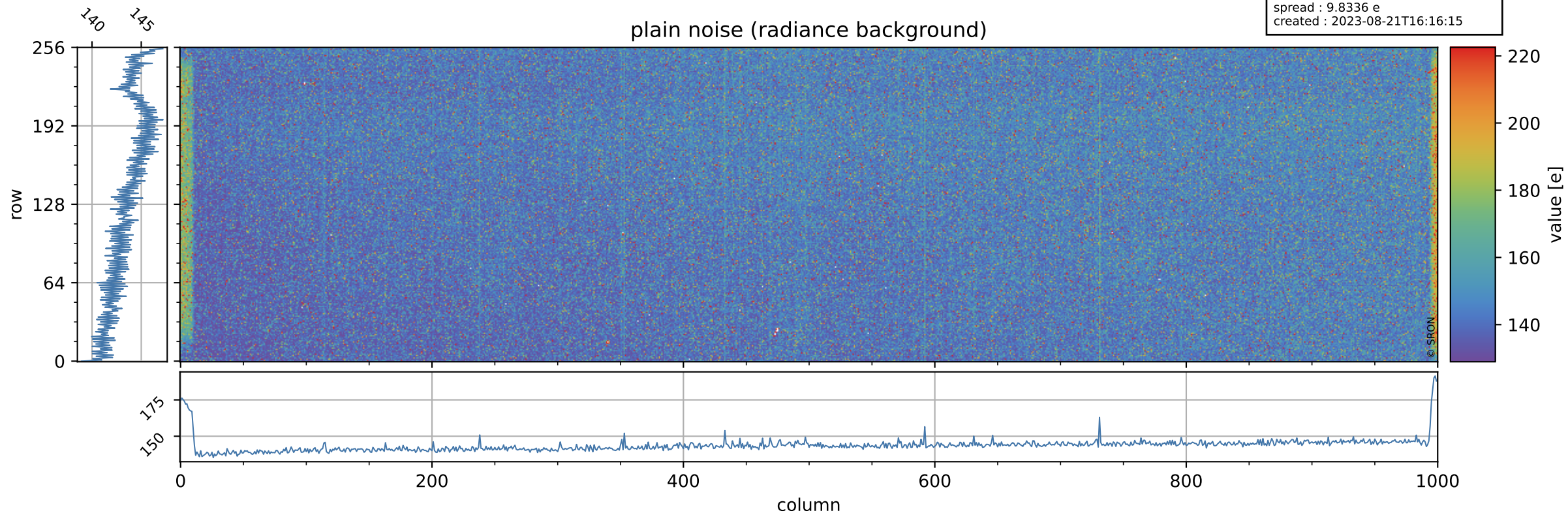
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.48 e  
spread : 9.8336 e  
created : 2023-08-21T16:16:15

plain noise (radiance background)

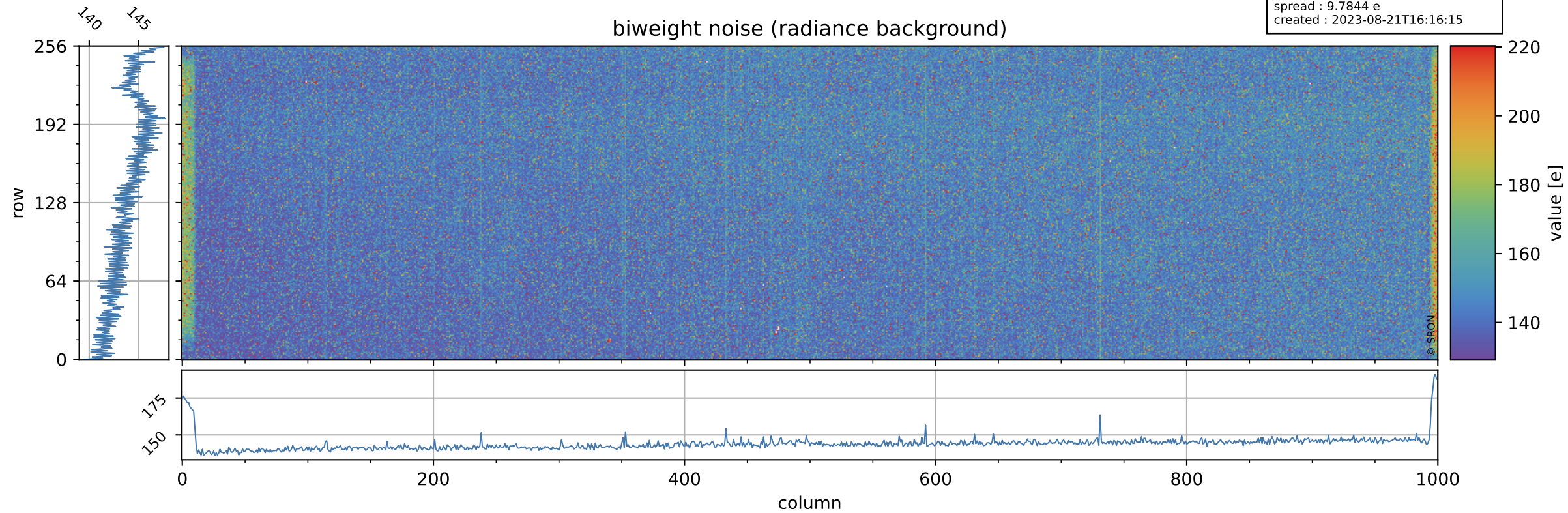




# Tropomi SWIR background noise (swir)

orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.8 e  
spread : 9.7844 e  
created : 2023-08-21T16:16:15

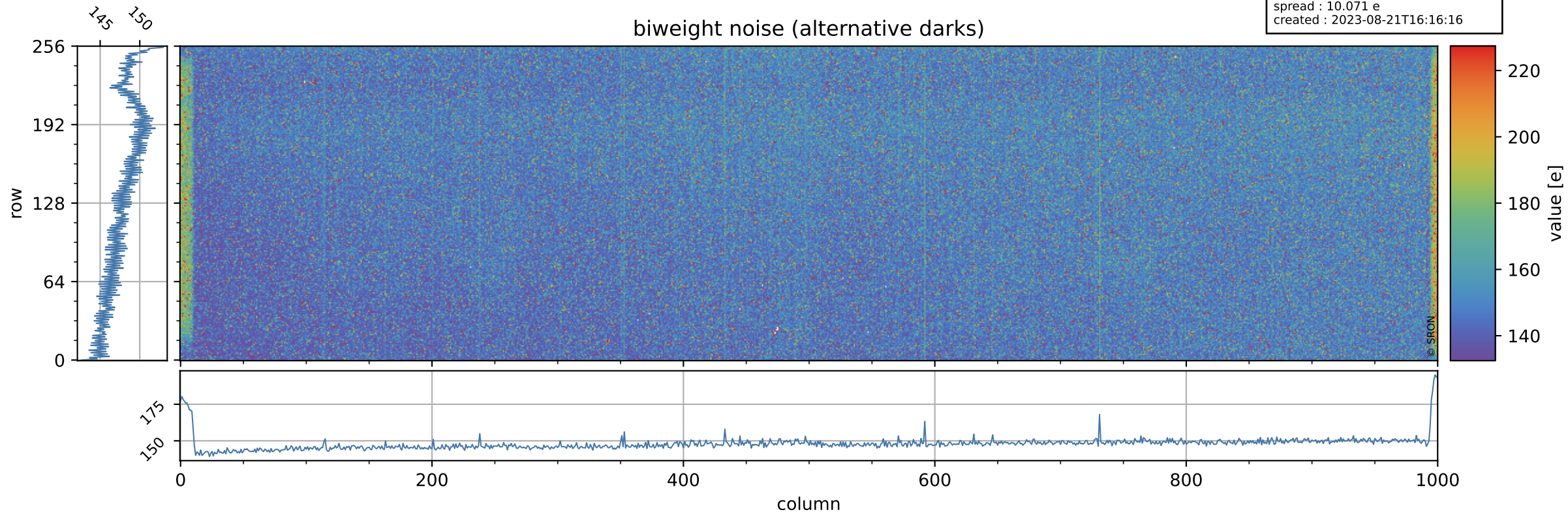
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.071 e  
created : 2023-08-21T16:16:16

## biweight noise (alternative darks)

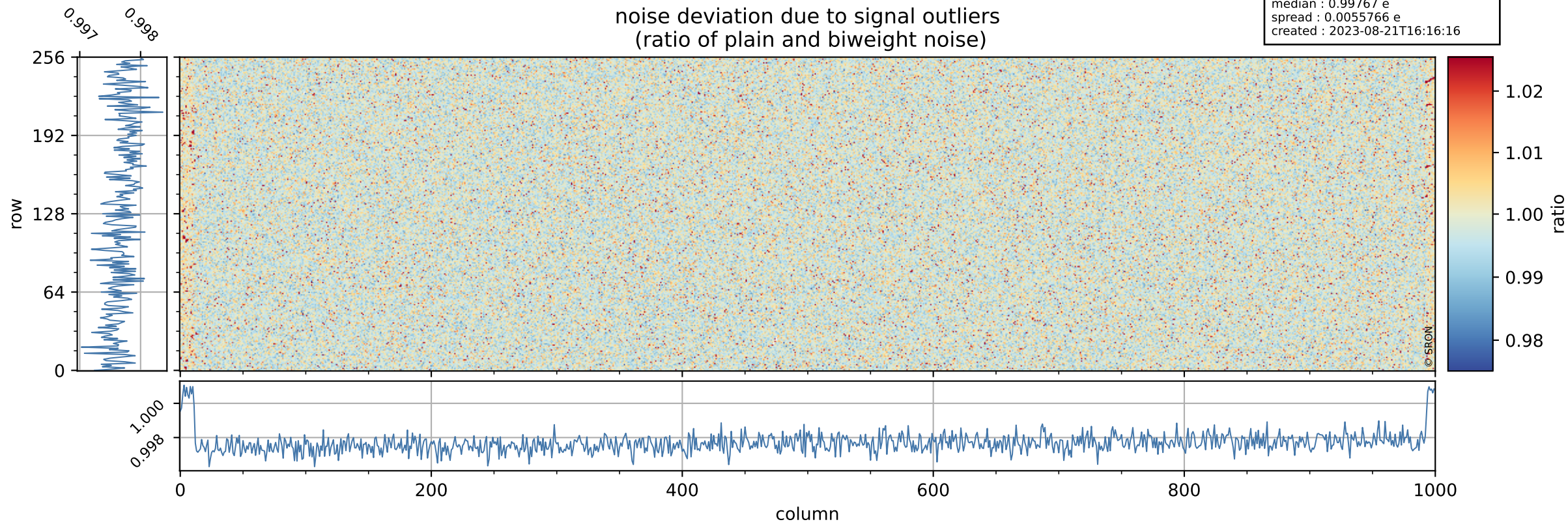




# Tropomi SWIR background noise (swir)

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

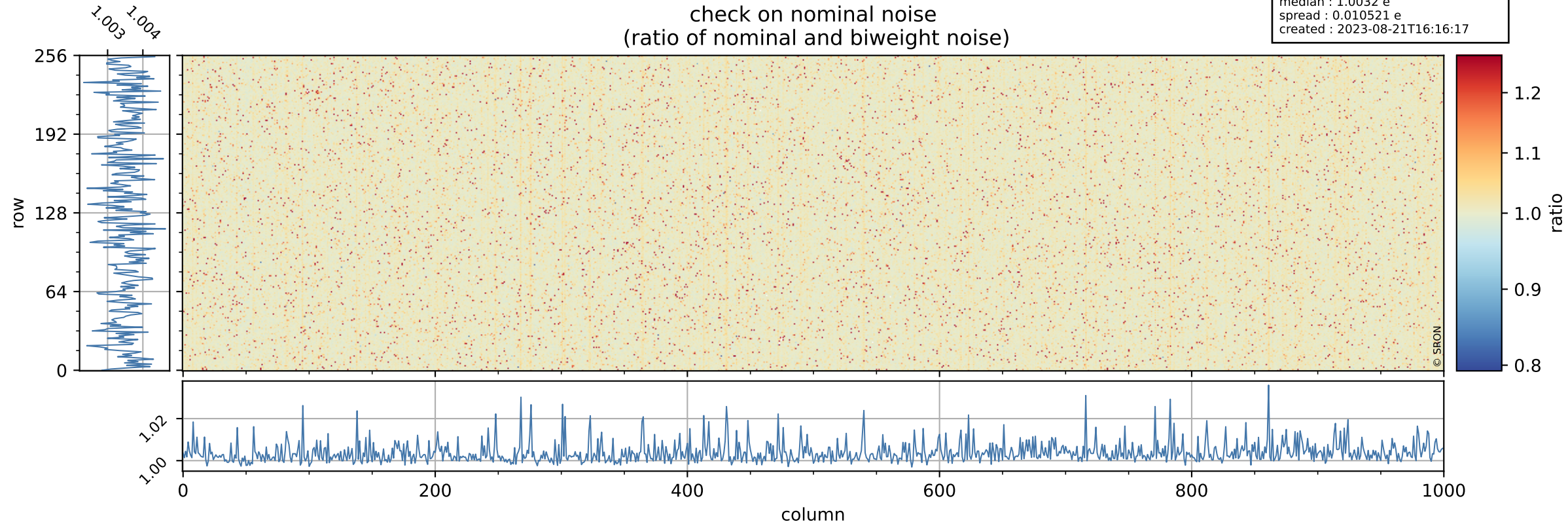
orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
median : 0.99767 e  
spread : 0.0055766 e  
created : 2023-08-21T16:16:16



# Tropomi SWIR background noise (swir)

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

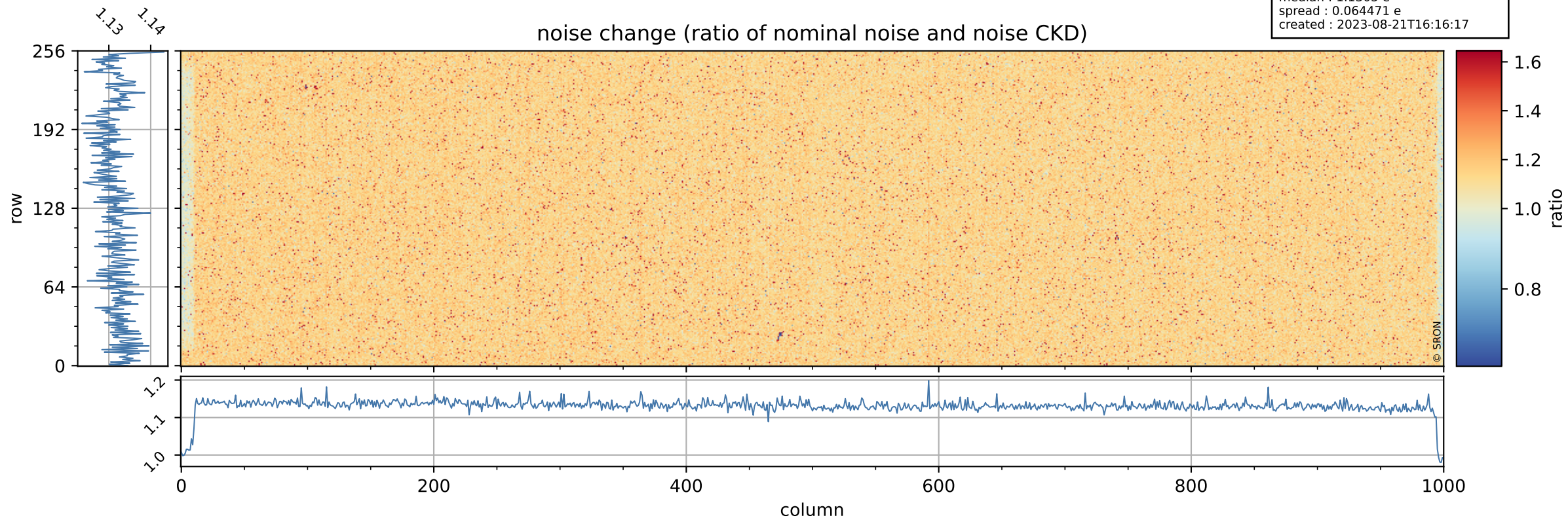
orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
median : 1.0032 e  
spread : 0.010521 e  
created : 2023-08-21T16:16:17





# Tropomi SWIR background noise (swir)

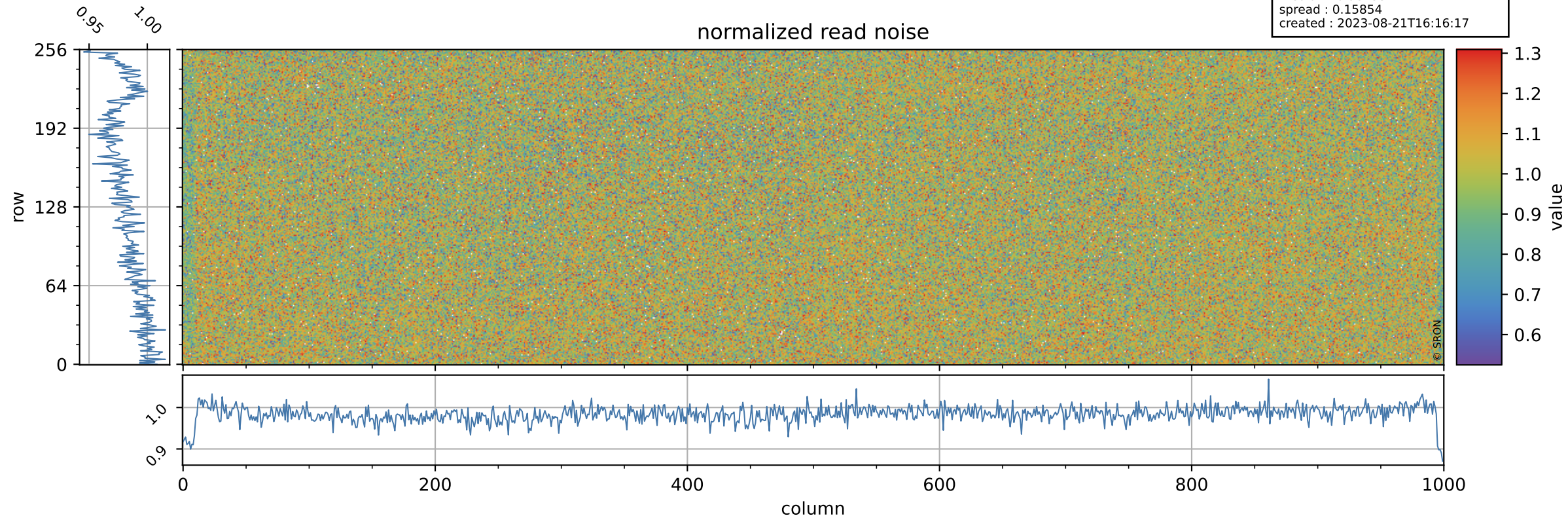
orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
median : 1.1305 e  
spread : 0.064471 e  
created : 2023-08-21T16:16:17





# Tropomi SWIR background noise (swir)

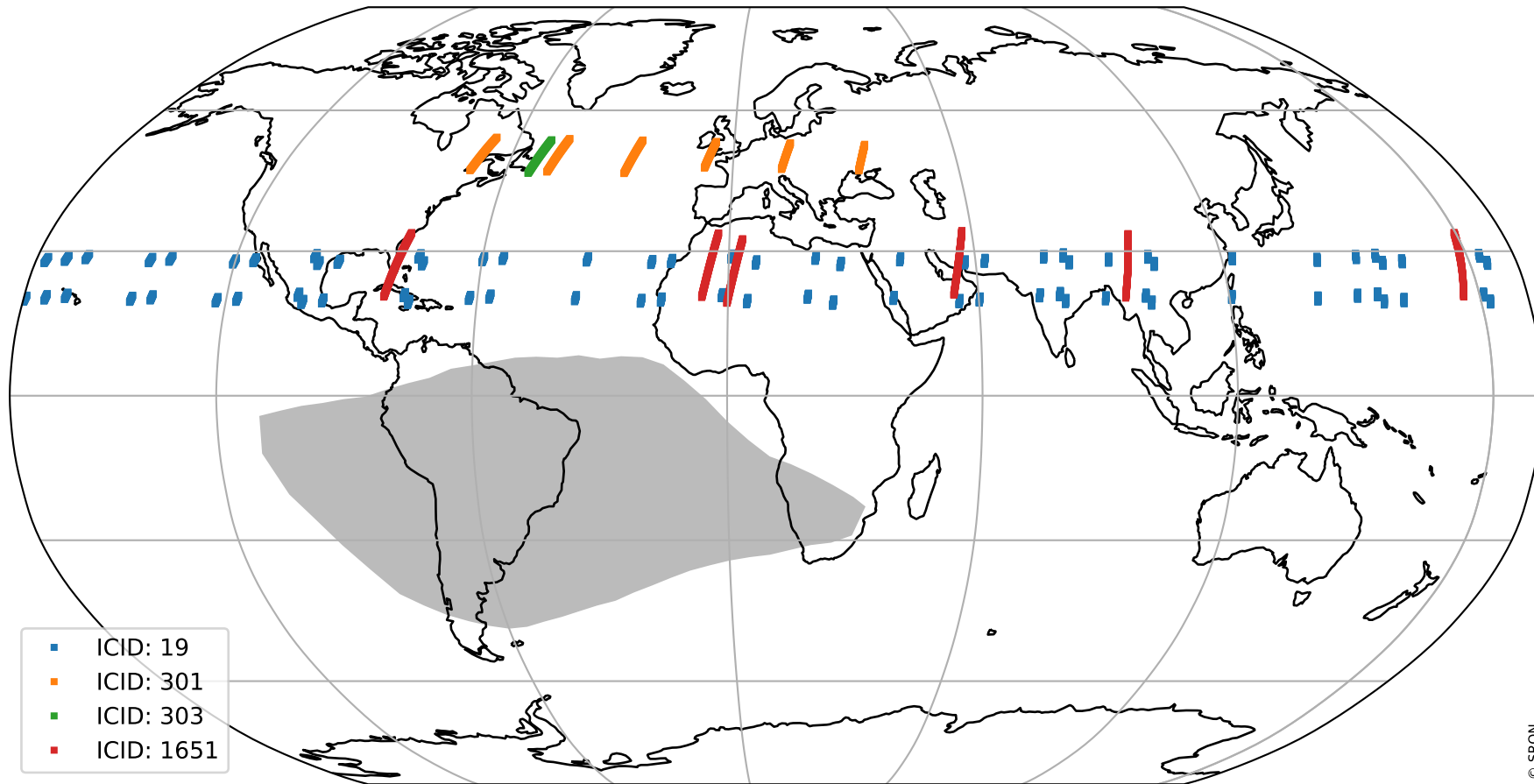
orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
median : 0.98255  
spread : 0.15854  
created : 2023-08-21T16:16:17





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

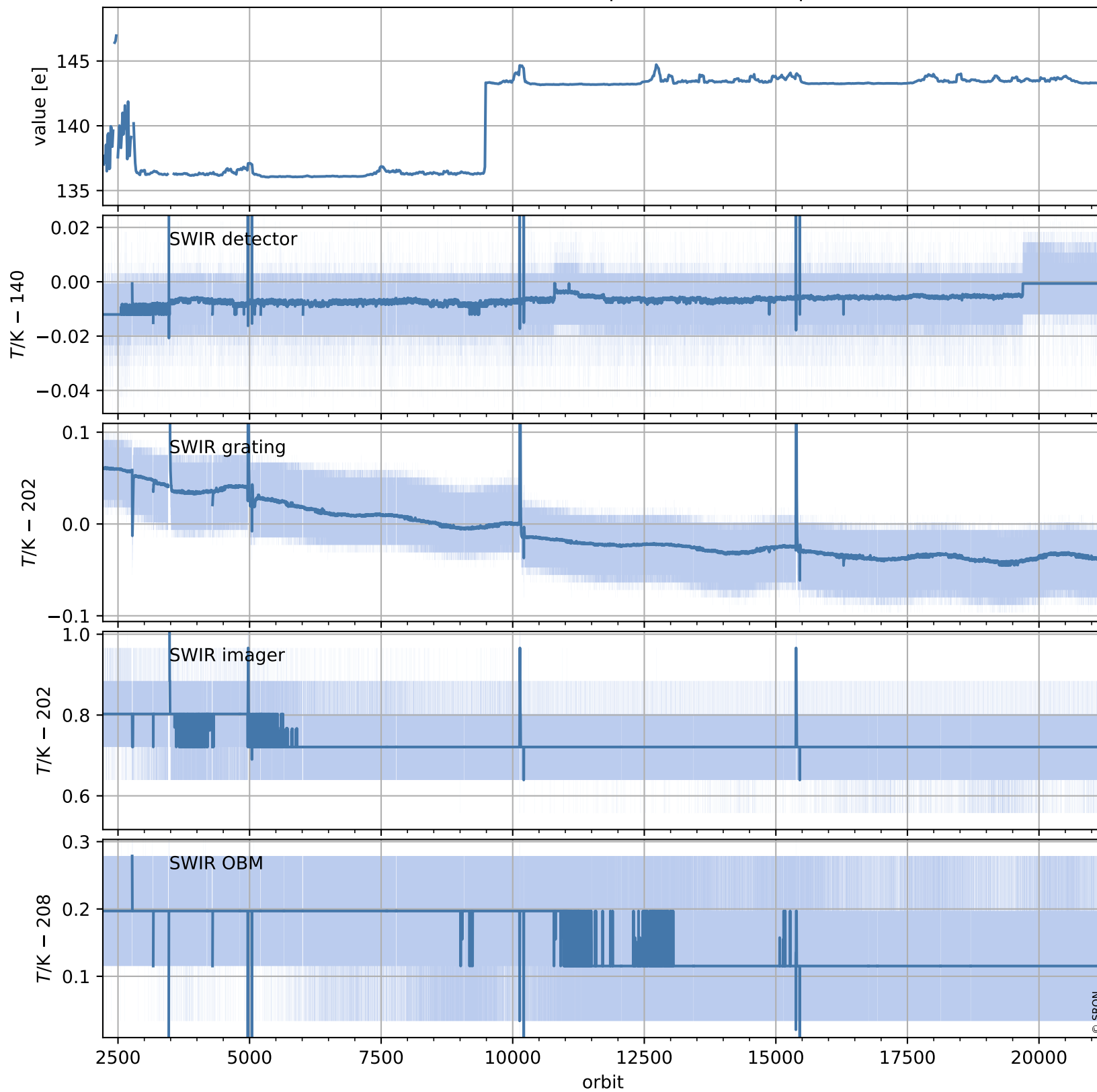
orbits : 13 in [21127, 21217]  
coverage : 2021-11-10 / 2021-11-16  
created : 2023-08-21T16:16:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 21217]  
coverage : 2018-03-18 / 2021-11-16  
created : 2023-08-21T16:16:18

## trend of detector median of plain noise & temperatures

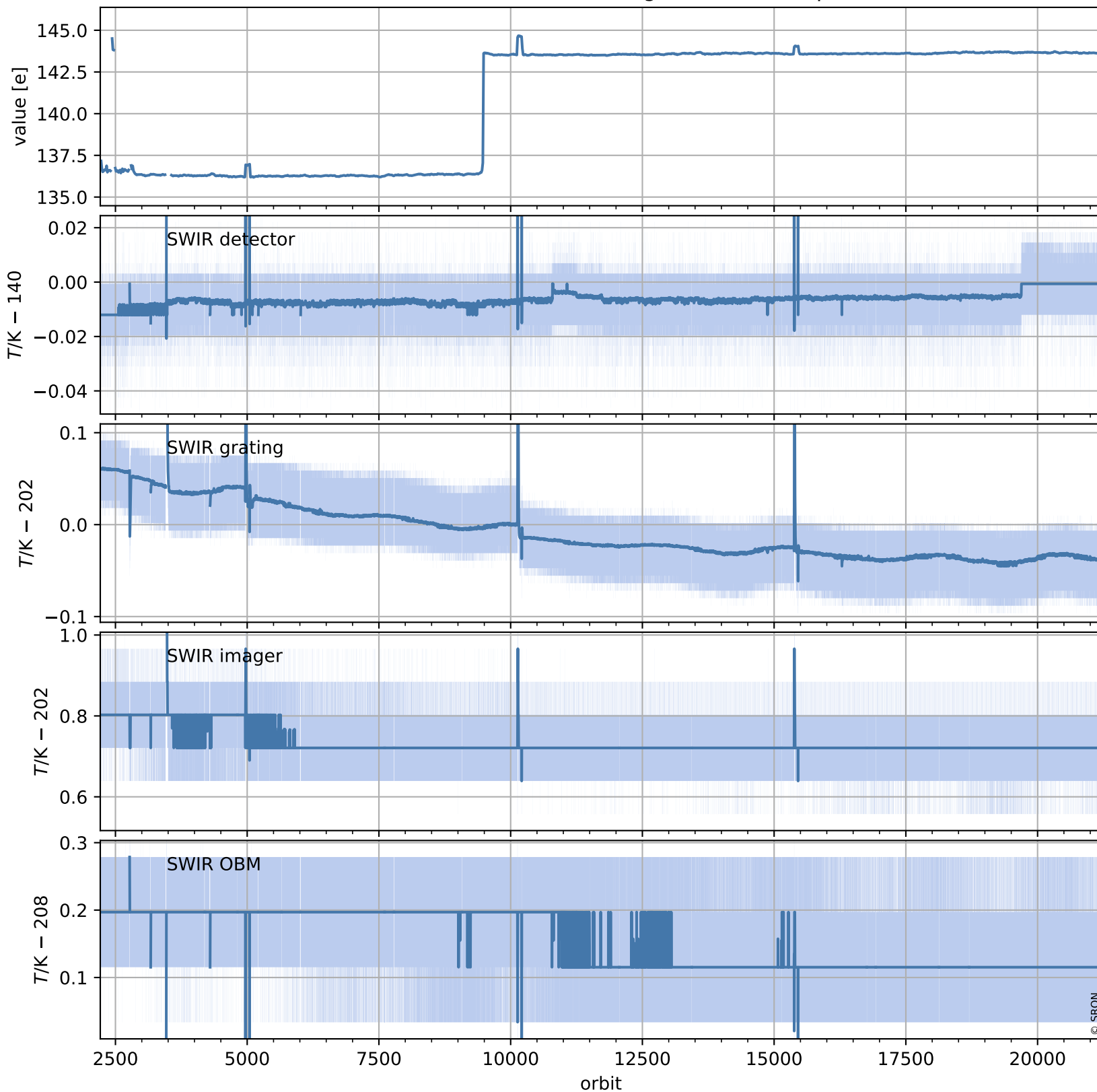




# Tropomi SWIR background noise (swir)

orbits : [2212, 21217]  
coverage : 2018-03-18 / 2021-11-16  
created : 2023-08-21T16:16:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21217]  
coverage : 2018-03-18 / 2021-11-16  
created : 2023-08-21T16:16:19

## trend of normalized read-noise & temperatures

