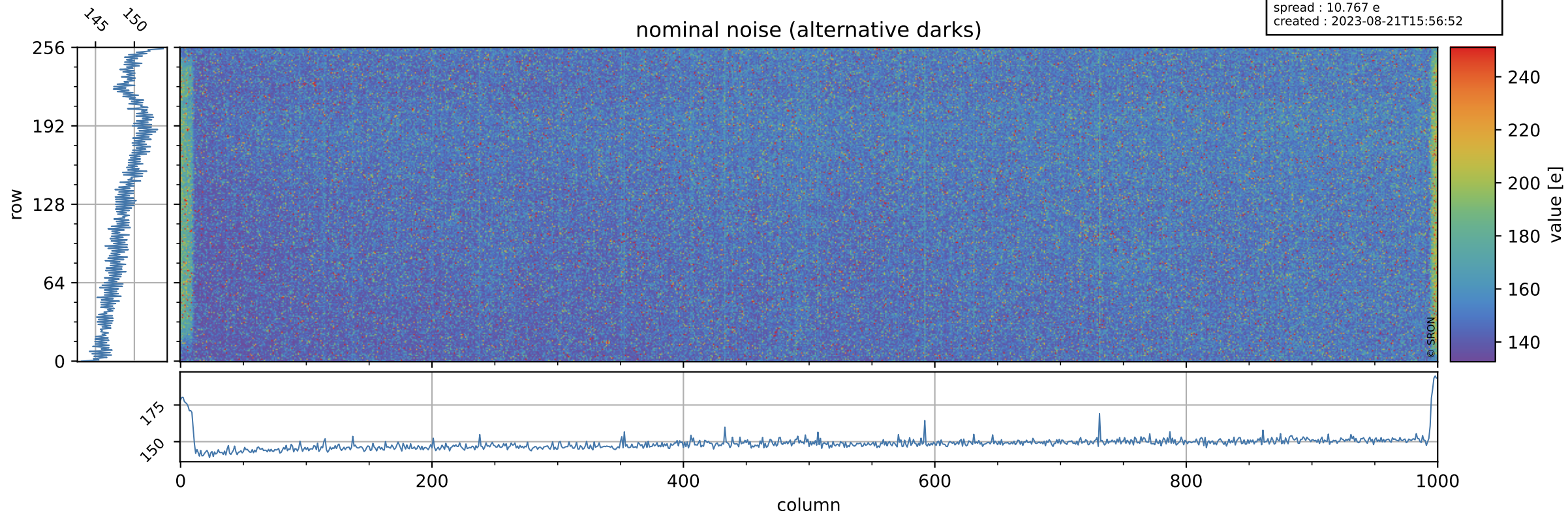


# Tropomi SWIR background noise (swir)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.63 e  
spread : 10.767 e  
created : 2023-08-21T15:56:52

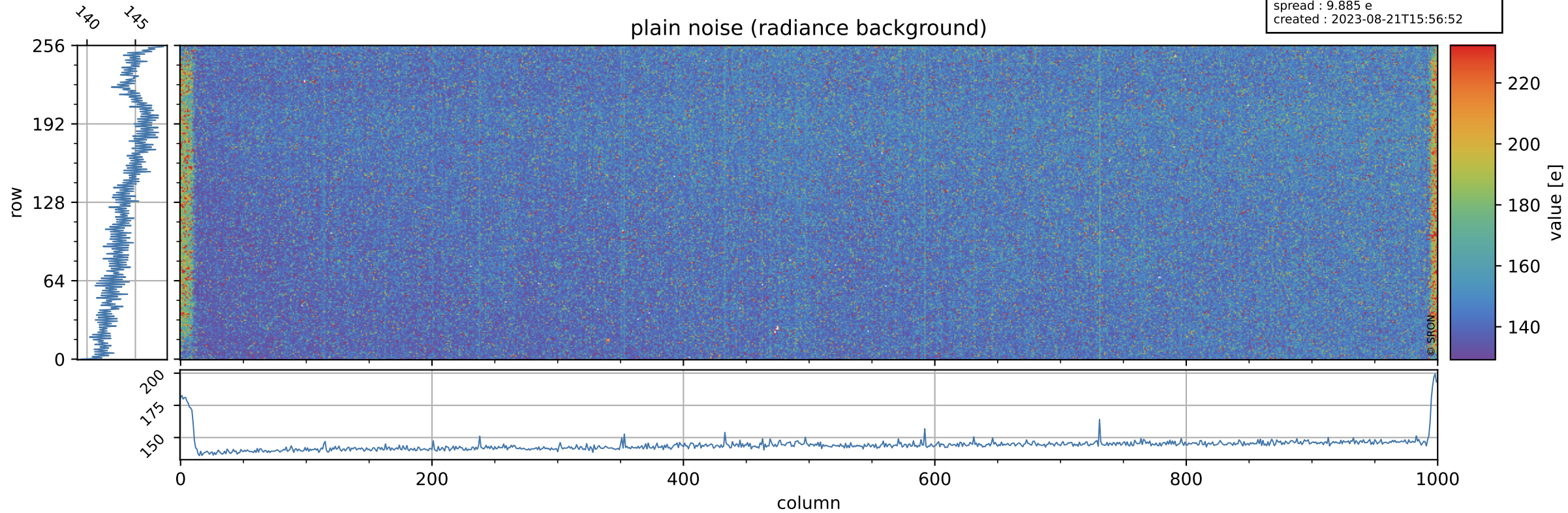
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.9 e  
spread : 9.885 e  
created : 2023-08-21T15:56:52

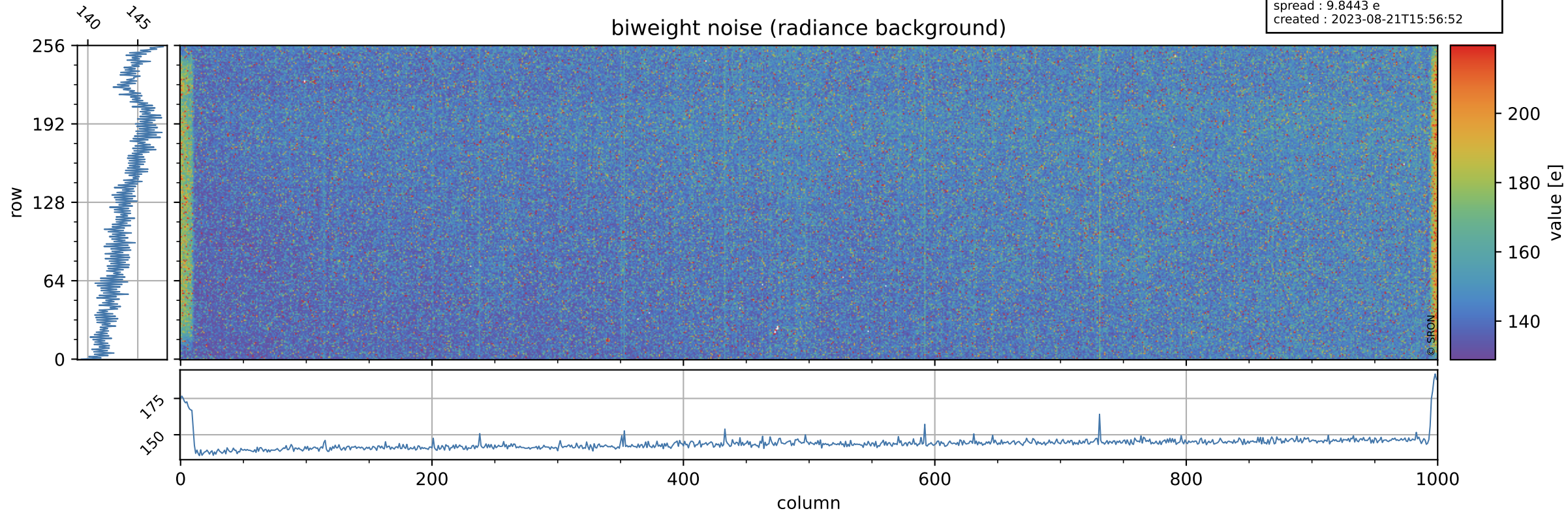
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.8443 e  
created : 2023-08-21T15:56:52

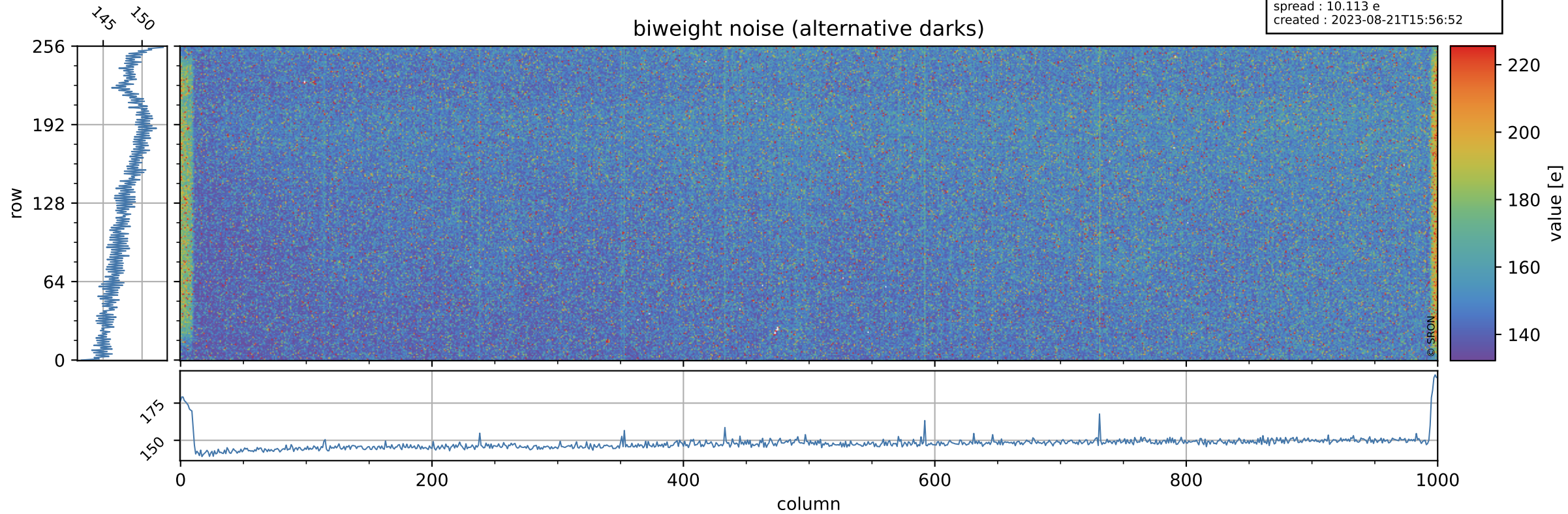
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.7 e  
spread : 10.113 e  
created : 2023-08-21T15:56:52

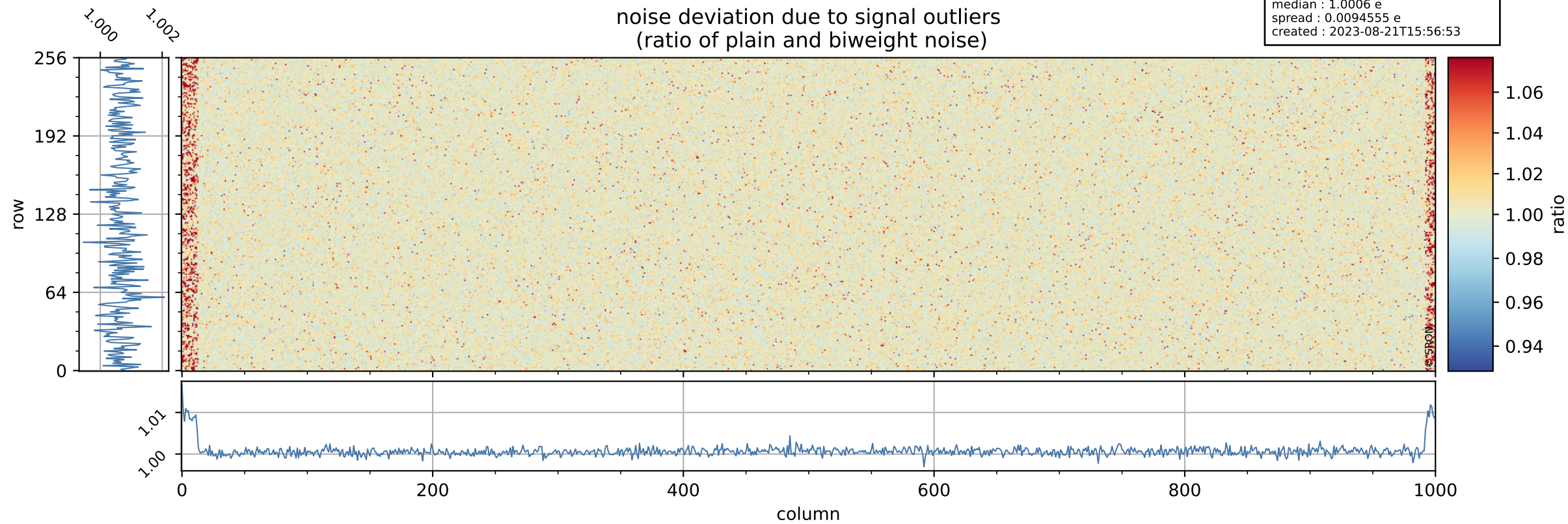
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

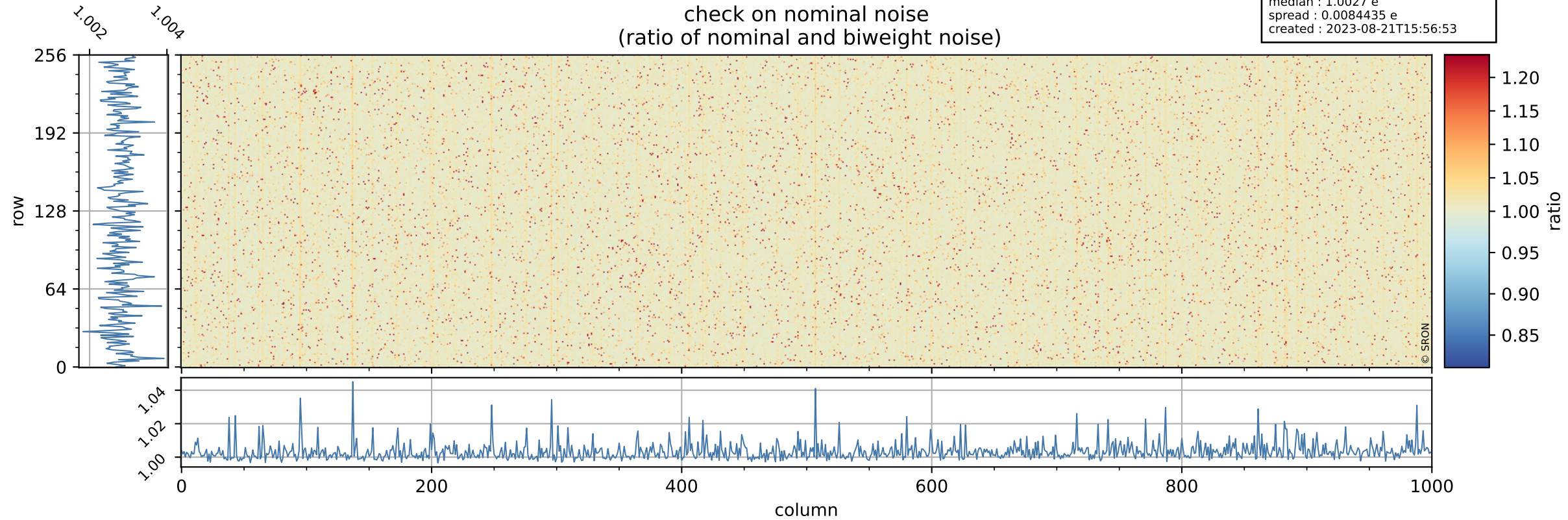
orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
median : 1.0006 e  
spread : 0.0094555 e  
created : 2023-08-21T15:56:53



# Tropomi SWIR background noise (swir)

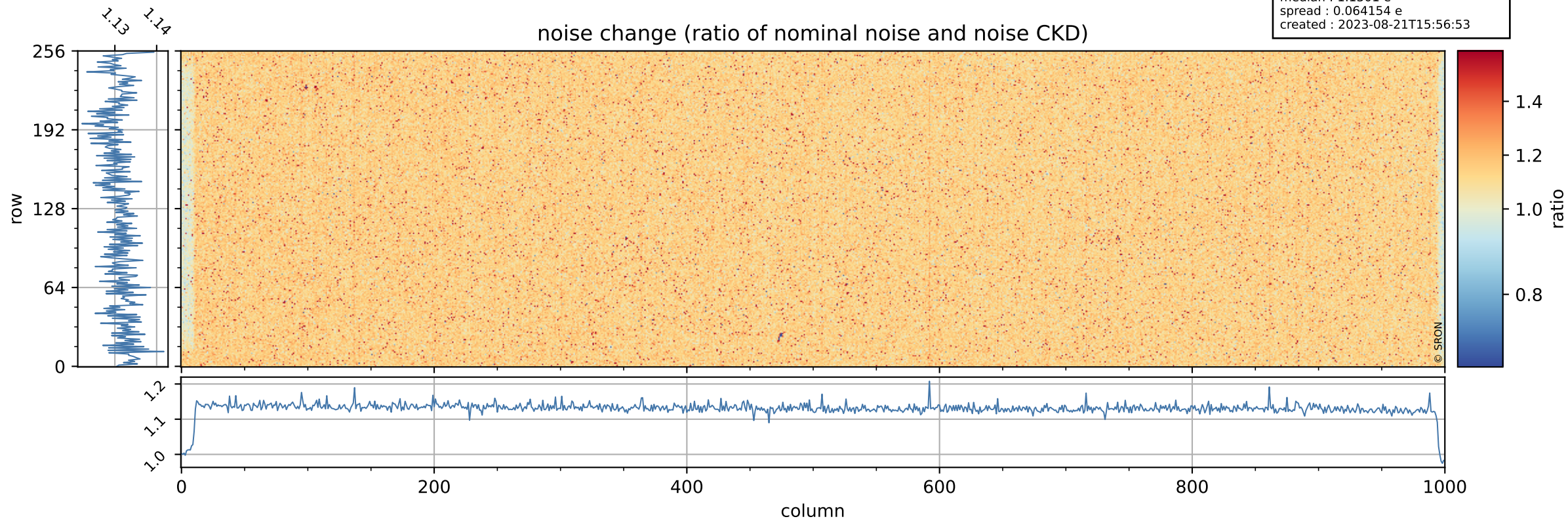
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
median : 1.0027 e  
spread : 0.0084435 e  
created : 2023-08-21T15:56:53



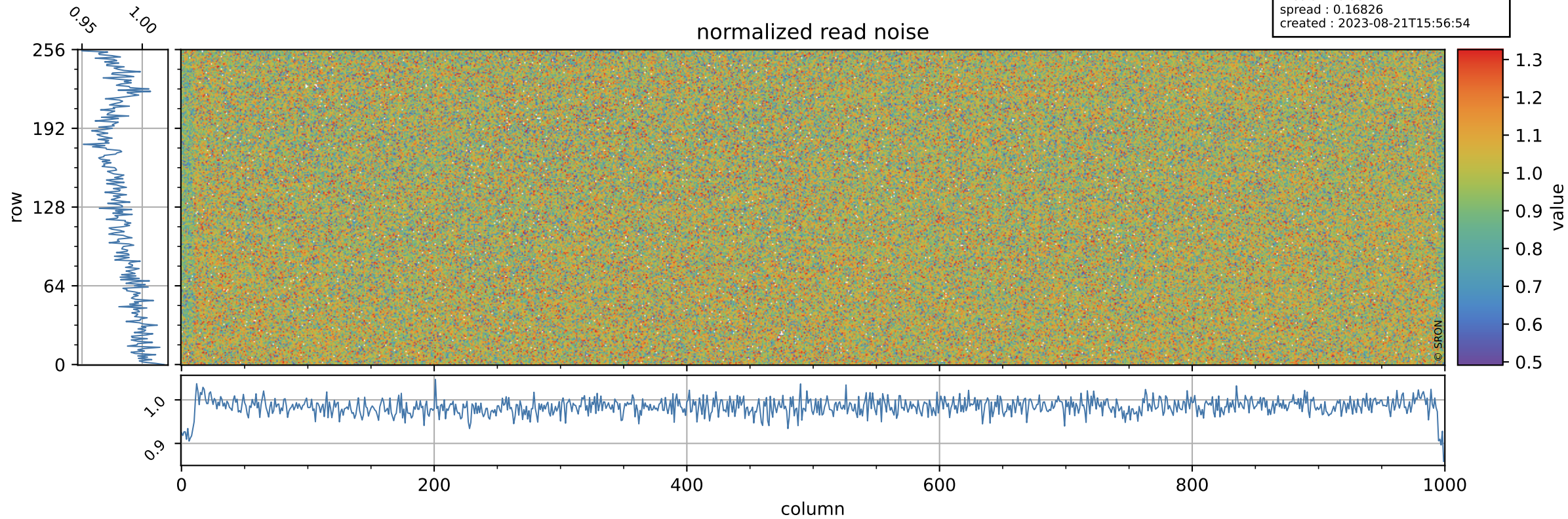
# Tropomi SWIR background noise (swir)

orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
median : 1.1301 e  
spread : 0.064154 e  
created : 2023-08-21T15:56:53



# Tropomi SWIR background noise (swir)

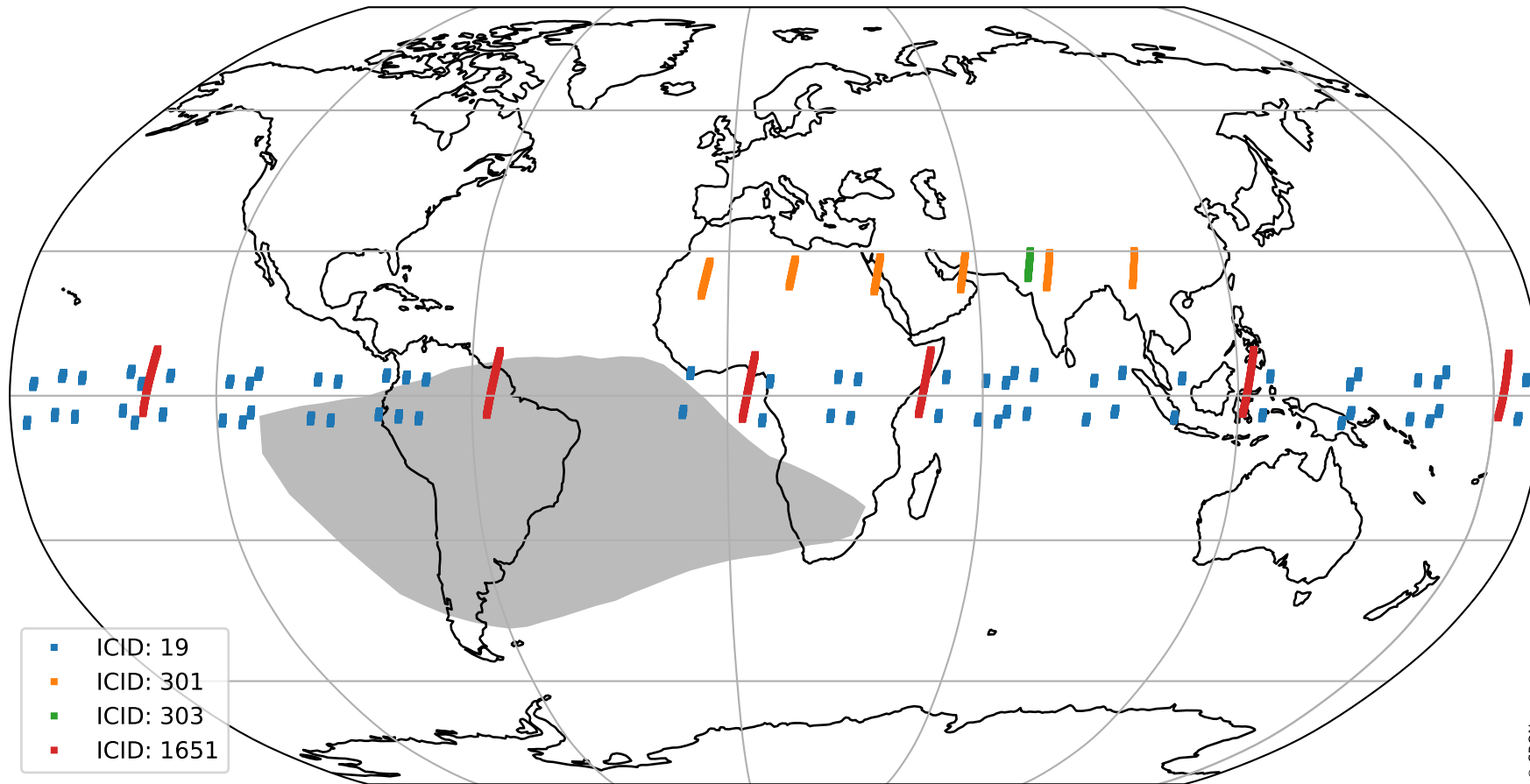
orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
median : 0.98242  
spread : 0.16826  
created : 2023-08-21T15:56:54





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

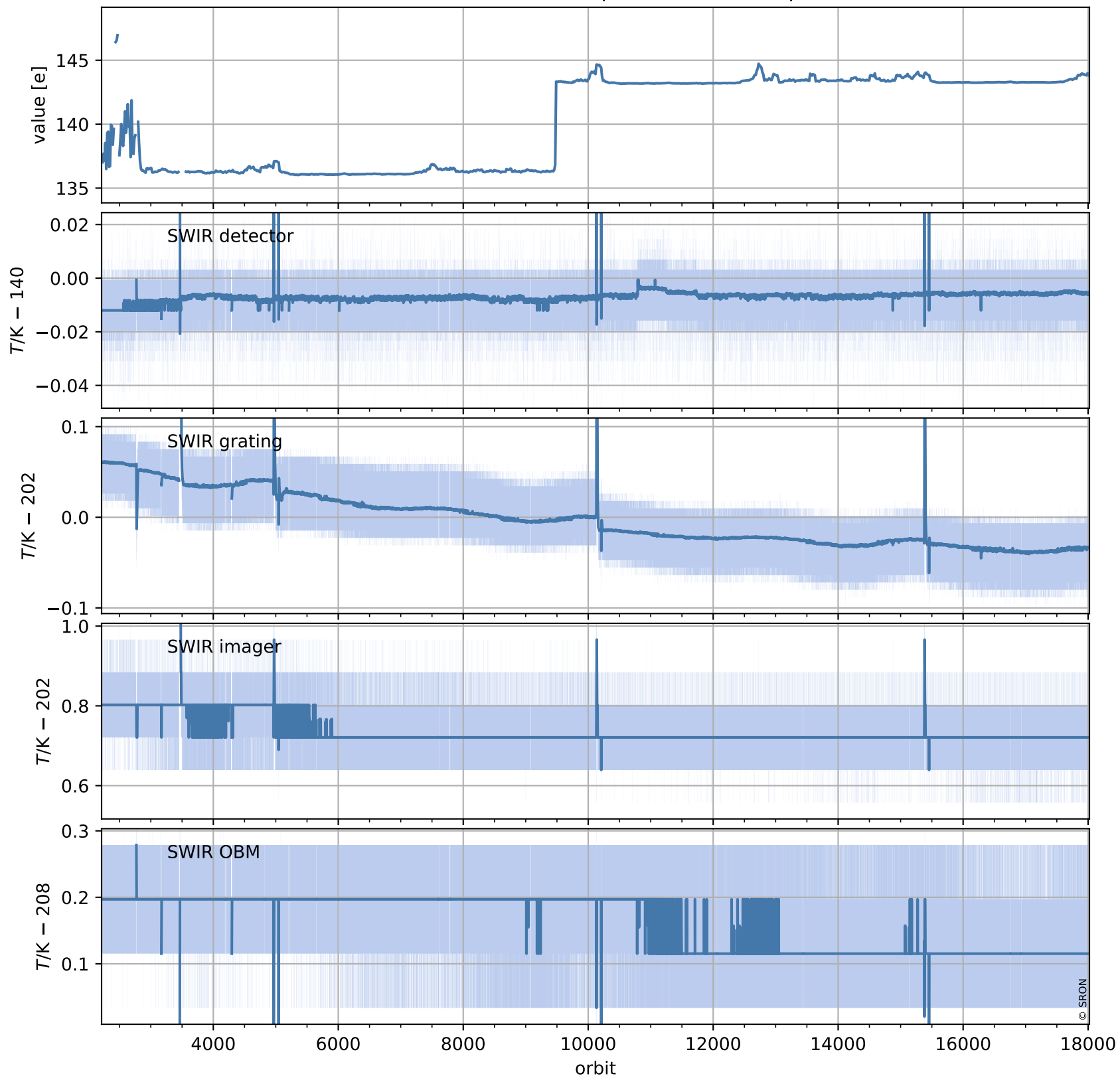
orbits : 13 in [17947, 18022]  
coverage : 2021-03-30 / 2021-04-05  
created : 2023-08-21T15:56:54



# Tropomi SWIR background noise (swir)

orbits : [2212, 18022]  
coverage : 2018-03-18 / 2021-04-05  
created : 2023-08-21T15:56:54

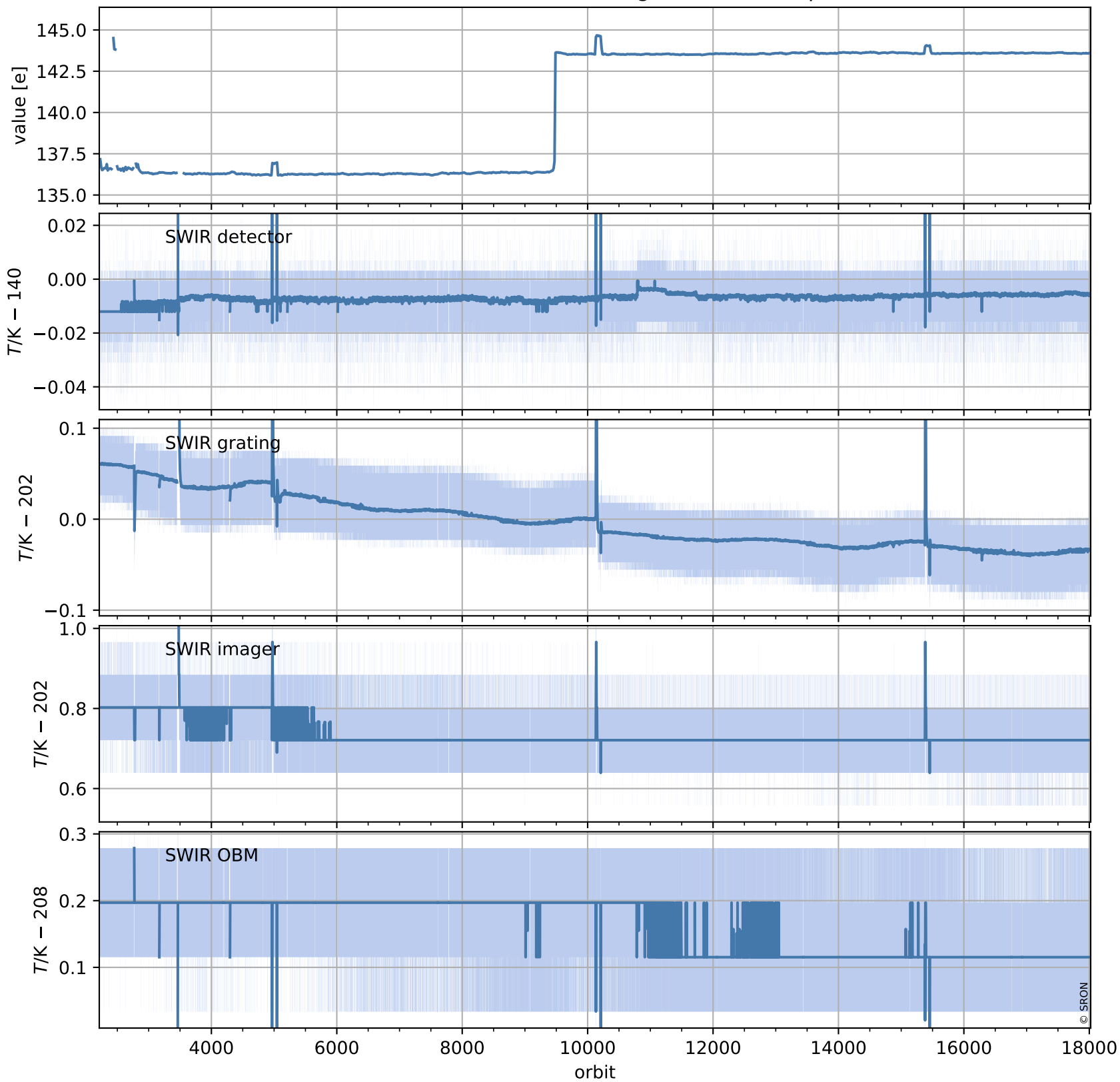
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18022]  
coverage : 2018-03-18 / 2021-04-05  
created : 2023-08-21T15:56:55

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18022]  
coverage : 2018-03-18 / 2021-04-05  
created : 2023-08-21T15:56:56

## trend of normalized read-noise & temperatures

