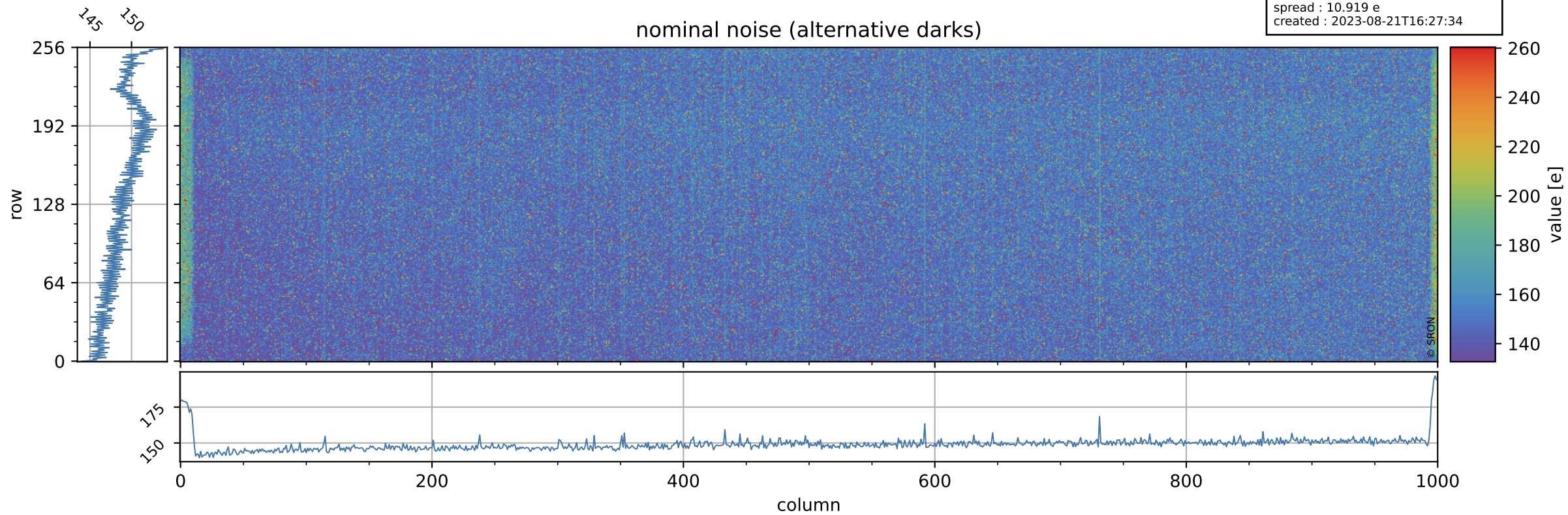


# Tropomi SWIR background noise (swir)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.83 e  
spread : 10.919 e  
created : 2023-08-21T16:27:34

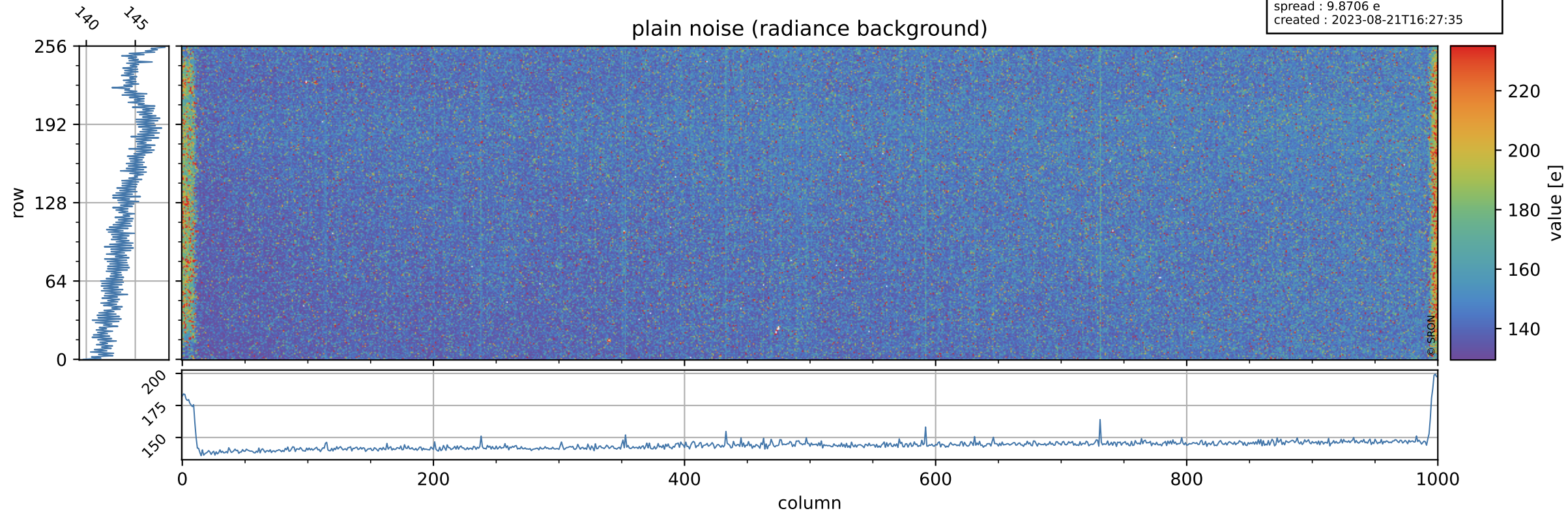
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
n\_coad, t\_exp : 1, 0.8383  
median : 144.03 e  
spread : 9.8706 e  
created : 2023-08-21T16:27:35

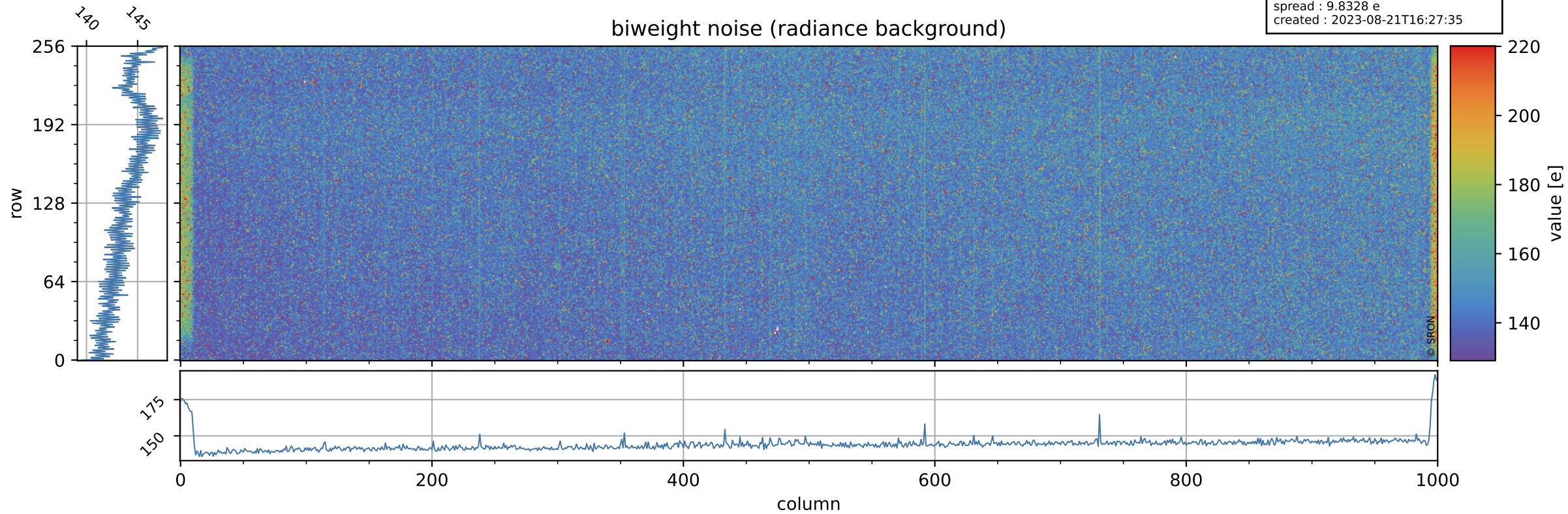
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.83 e  
spread : 9.8328 e  
created : 2023-08-21T16:27:35

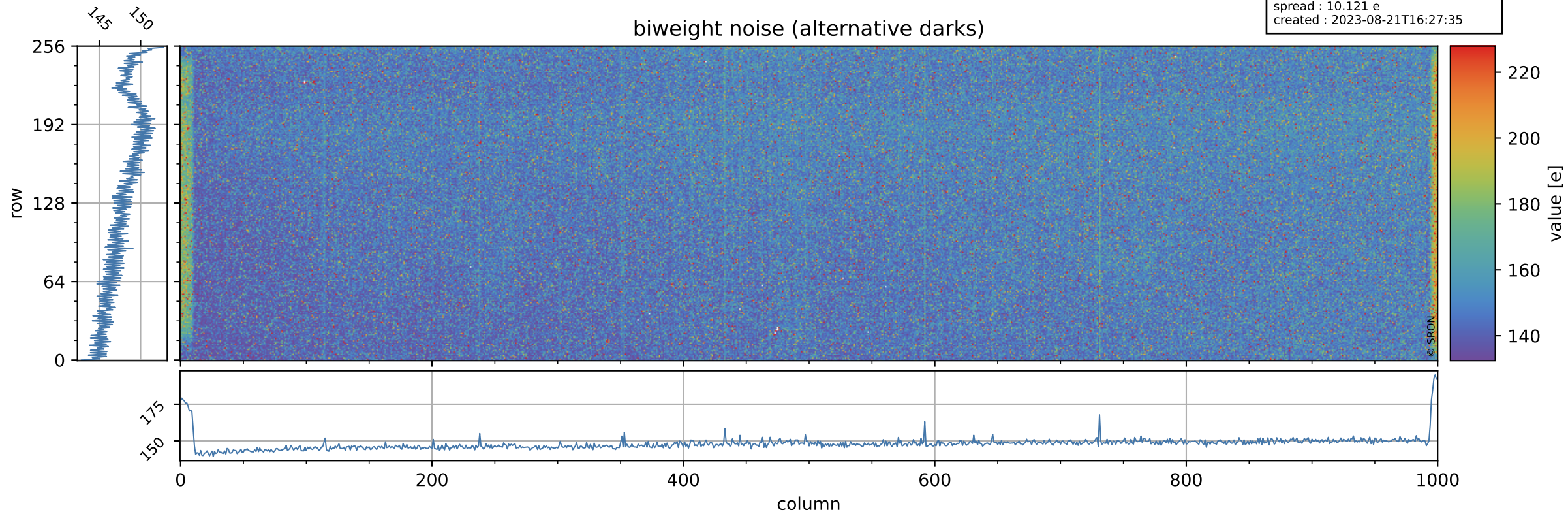
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.81 e  
spread : 10.121 e  
created : 2023-08-21T16:27:35

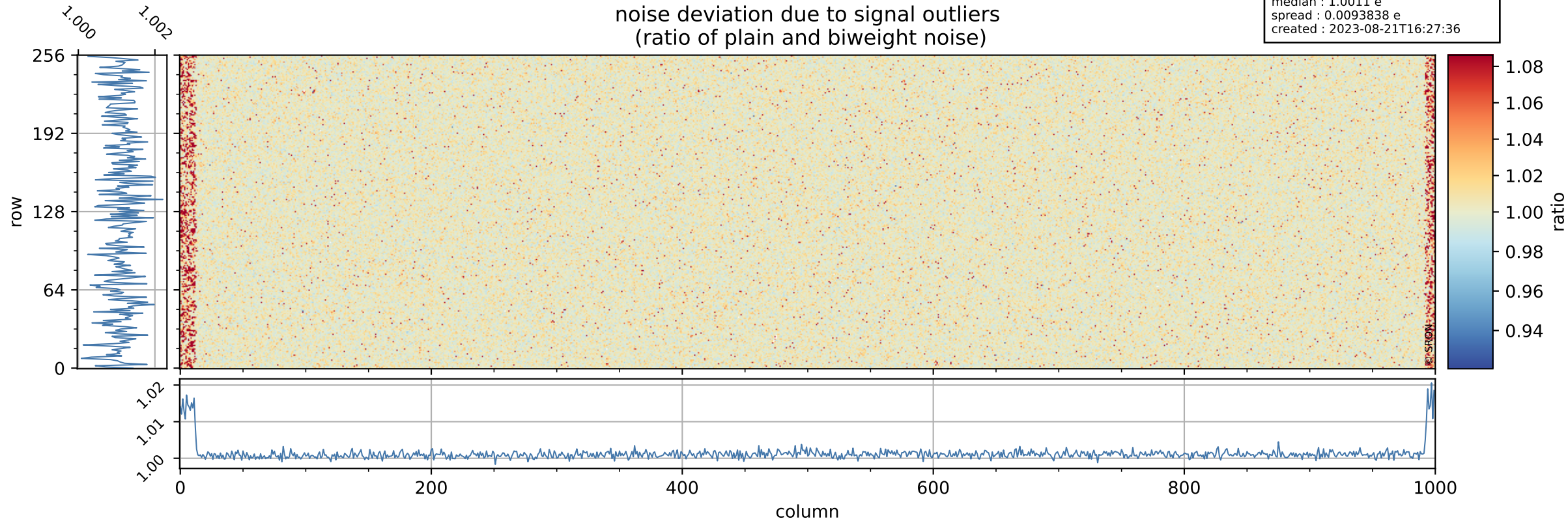
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

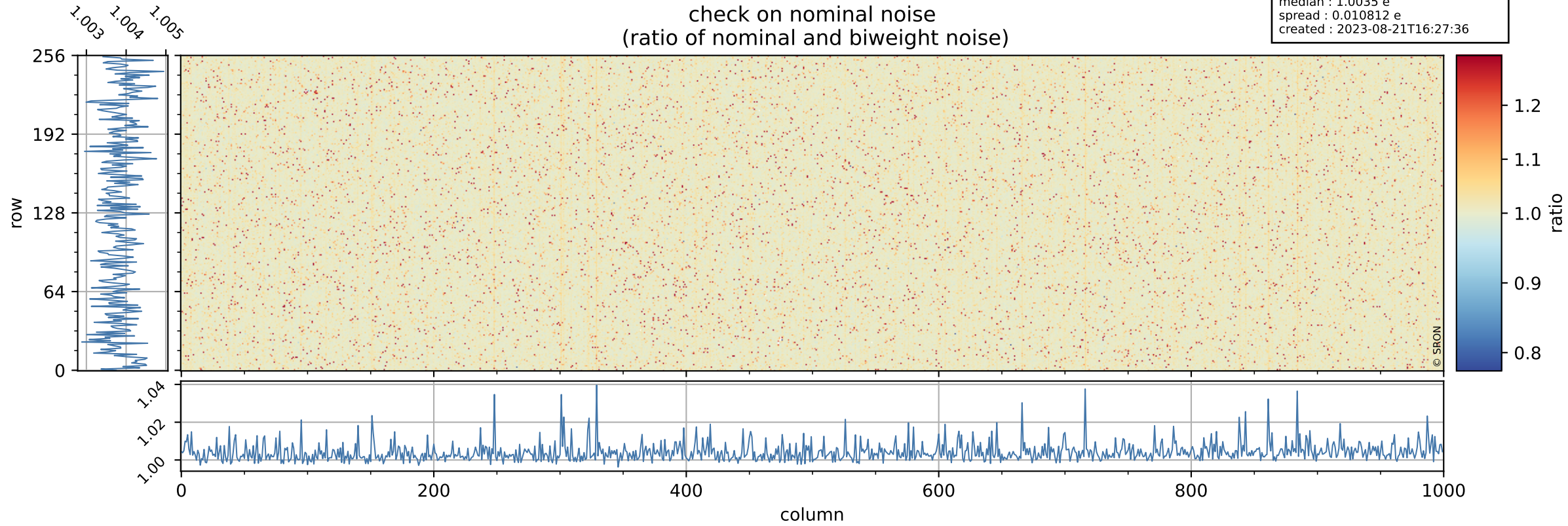
orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
median : 1.0011 e  
spread : 0.0093838 e  
created : 2023-08-21T16:27:36



# Tropomi SWIR background noise (swir)

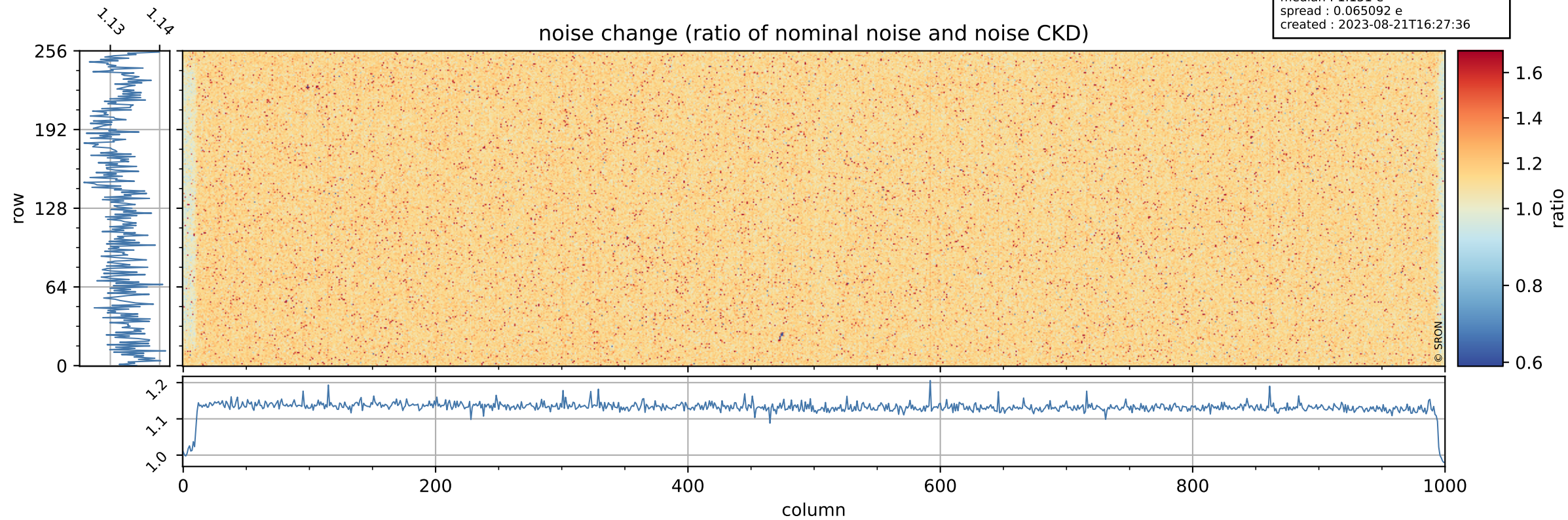
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
median : 1.0035 e  
spread : 0.010812 e  
created : 2023-08-21T16:27:36



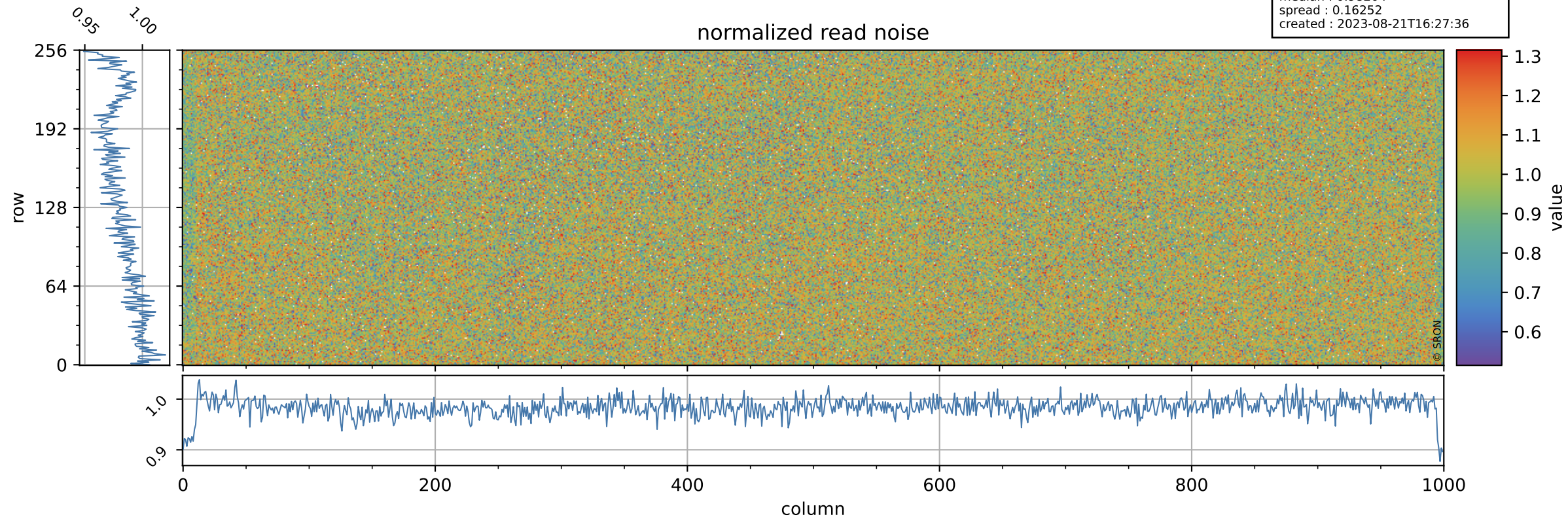
# Tropomi SWIR background noise (swir)

orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
median : 1.131 e  
spread : 0.065092 e  
created : 2023-08-21T16:27:36



# Tropomi SWIR background noise (swir)

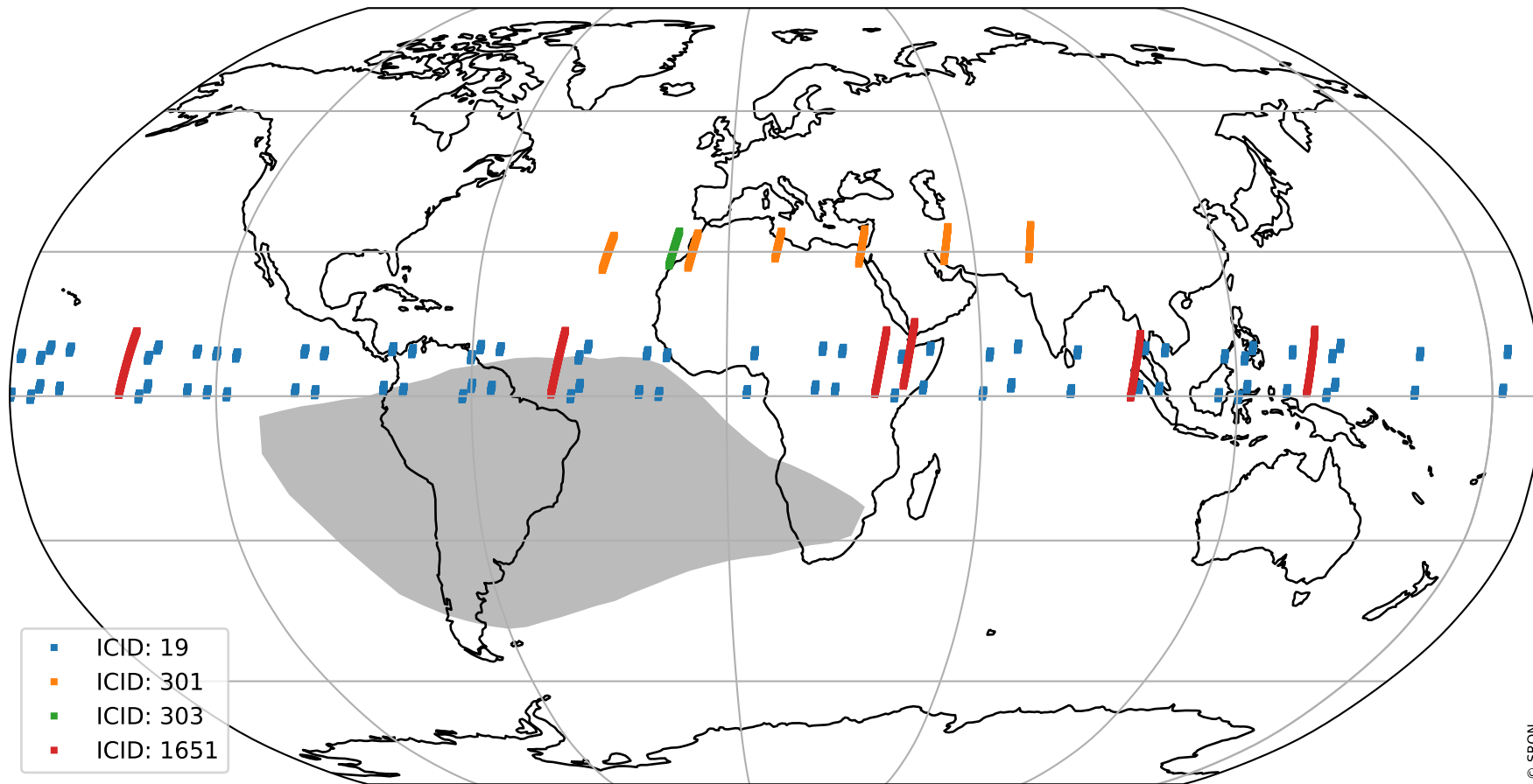
orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
median : 0.98204  
spread : 0.16252  
created : 2023-08-21T16:27:36





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

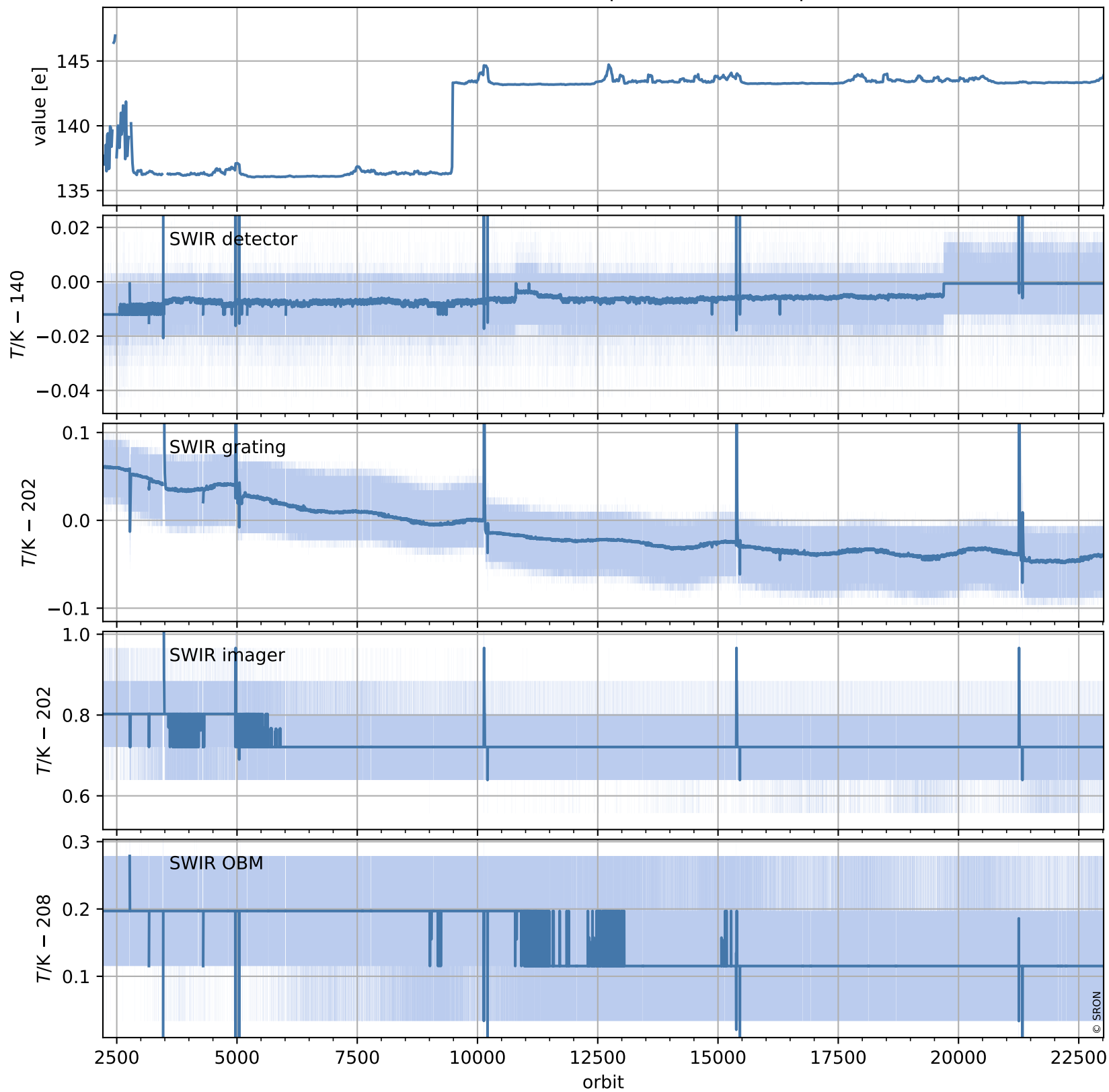
orbits : 13 in [22927, 23017]  
coverage : 2022-03-17 / 2022-03-23  
created : 2023-08-21T16:27:37



# Tropomi SWIR background noise (swir)

orbits : [2212, 23017]  
coverage : 2018-03-18 / 2022-03-23  
created : 2023-08-21T16:27:37

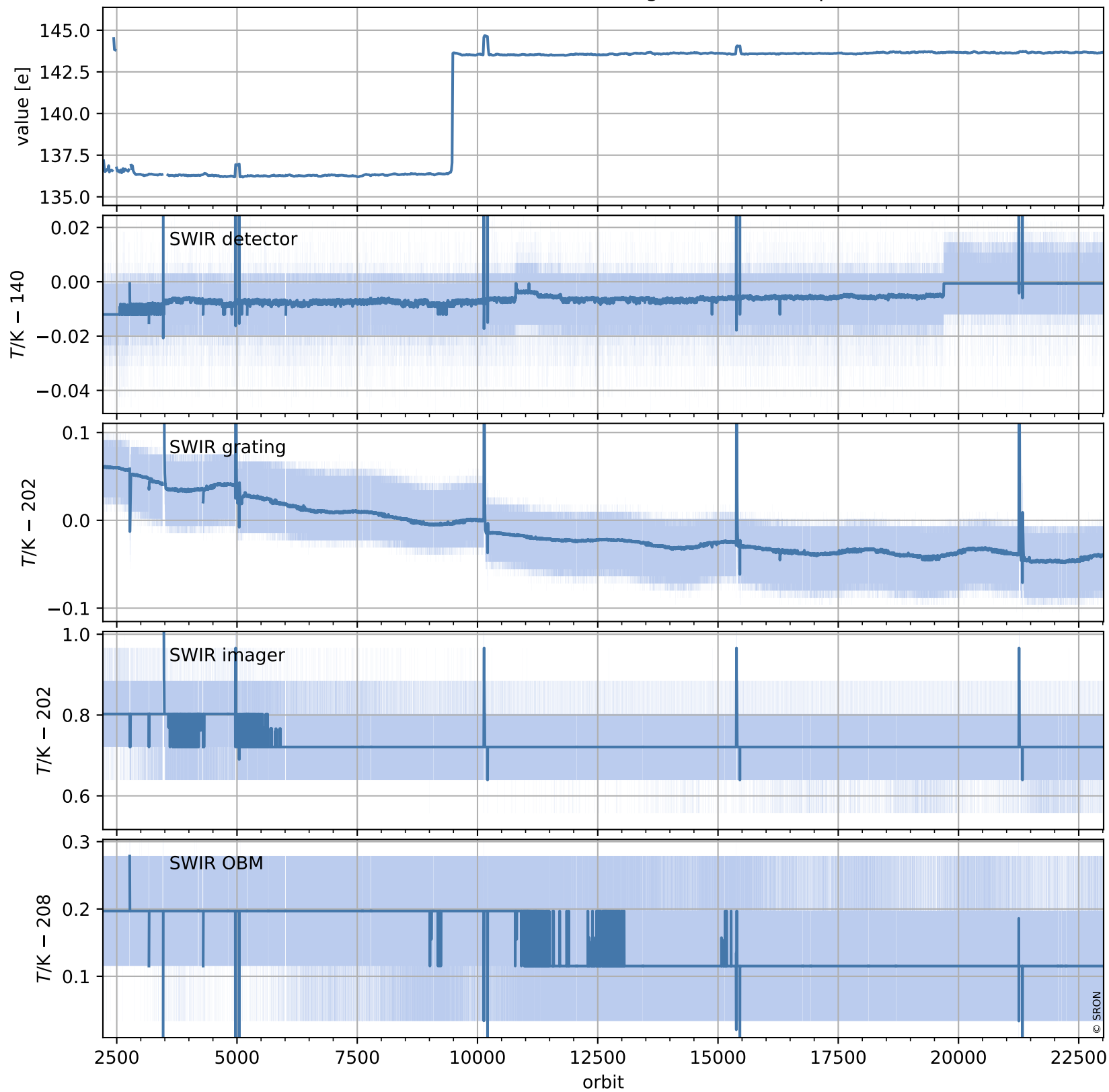
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23017]  
coverage : 2018-03-18 / 2022-03-23  
created : 2023-08-21T16:27:38

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 23017]  
coverage : 2018-03-18 / 2022-03-23  
created : 2023-08-21T16:27:39

## trend of normalized read-noise & temperatures

