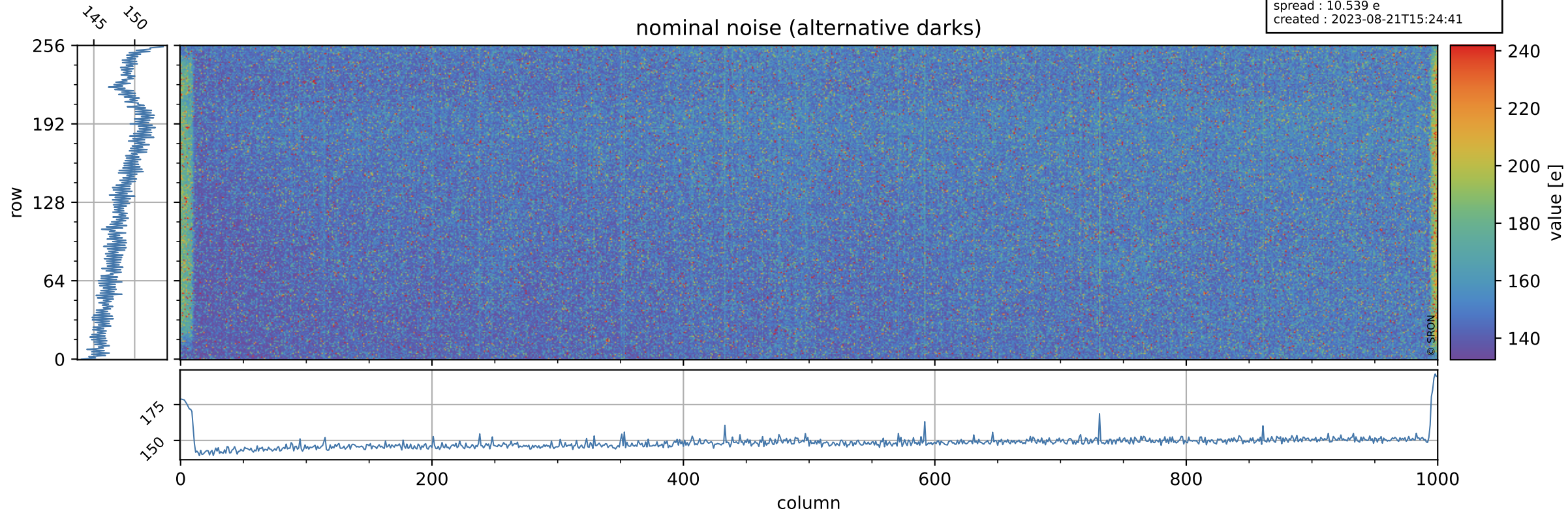


# Tropomi SWIR background noise (swir)

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.539 e  
created : 2023-08-21T15:24:41

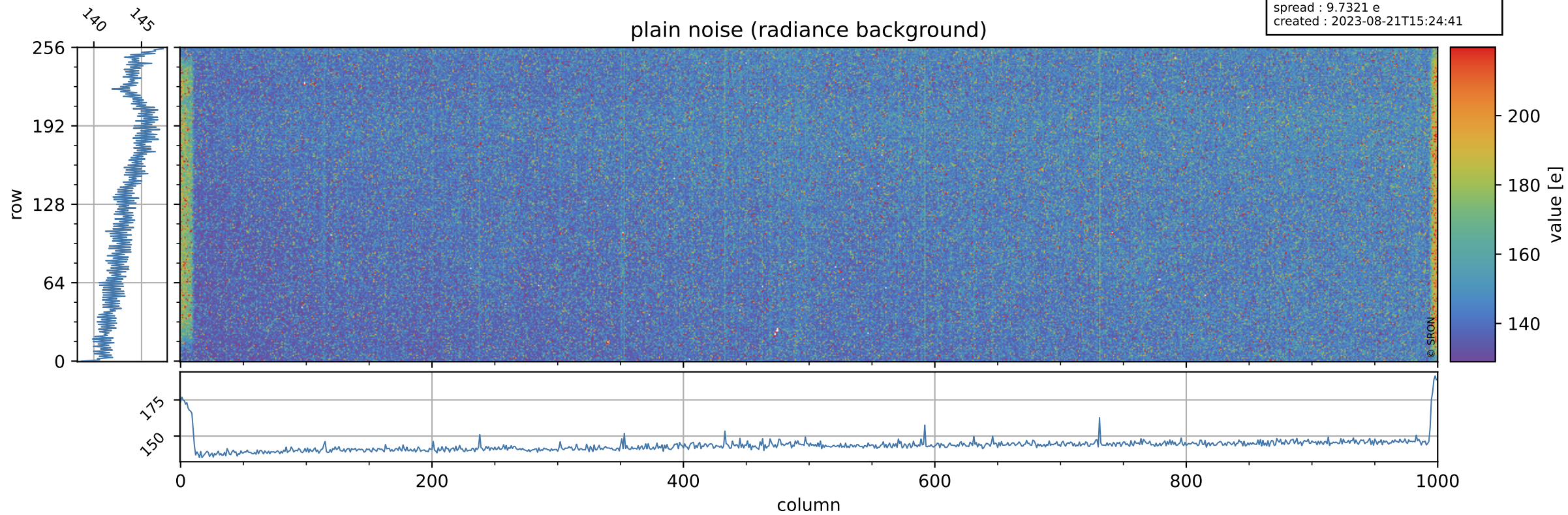
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.37 e  
spread : 9.7321 e  
created : 2023-08-21T15:24:41

## plain noise (radiance background)

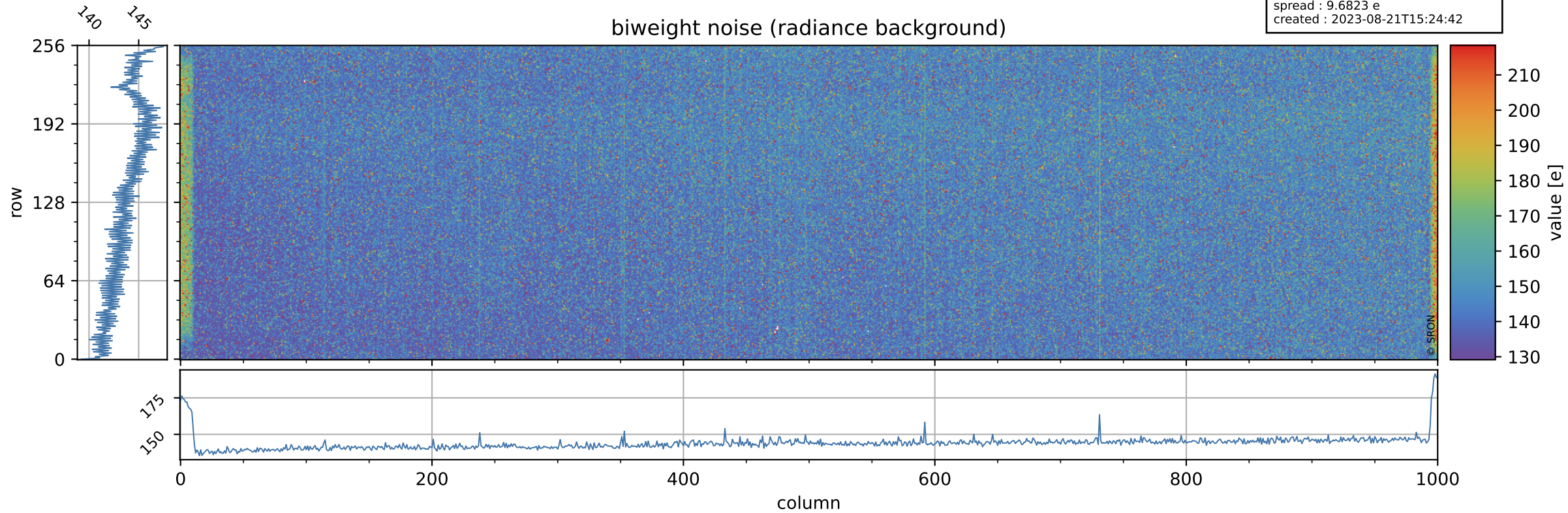




# Tropomi SWIR background noise (swir)

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 9.6823 e  
created : 2023-08-21T15:24:42

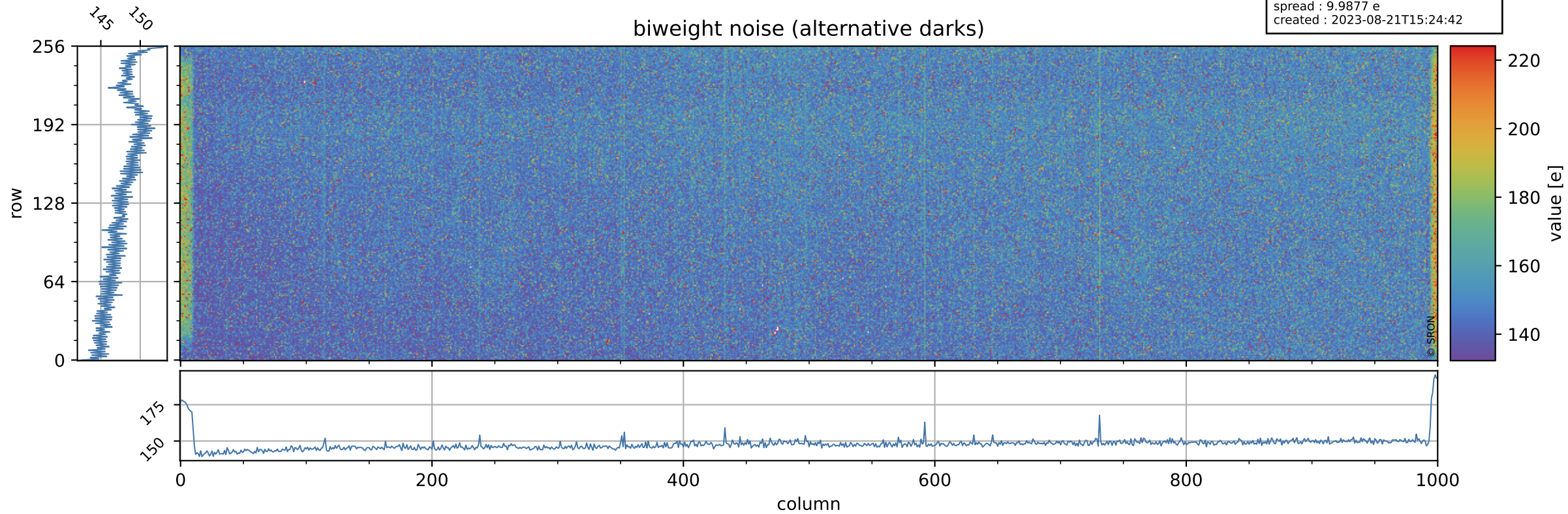
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.62 e  
spread : 9.9877 e  
created : 2023-08-21T15:24:42

## biweight noise (alternative darks)

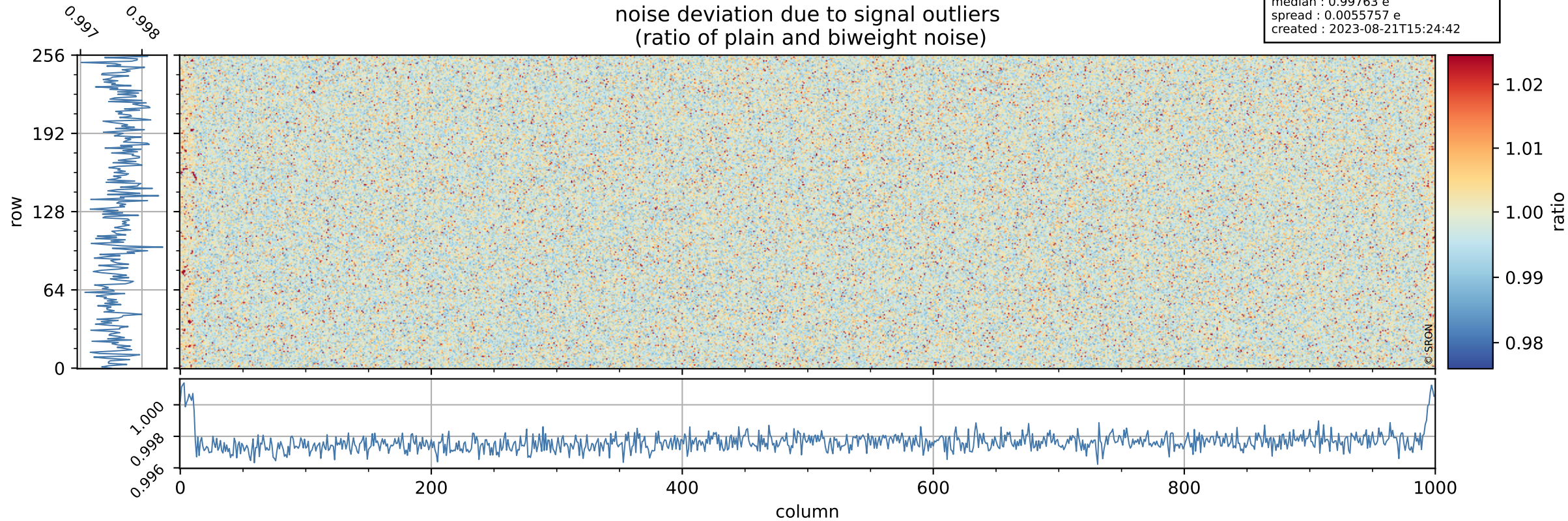




# Tropomi SWIR background noise (swir)

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

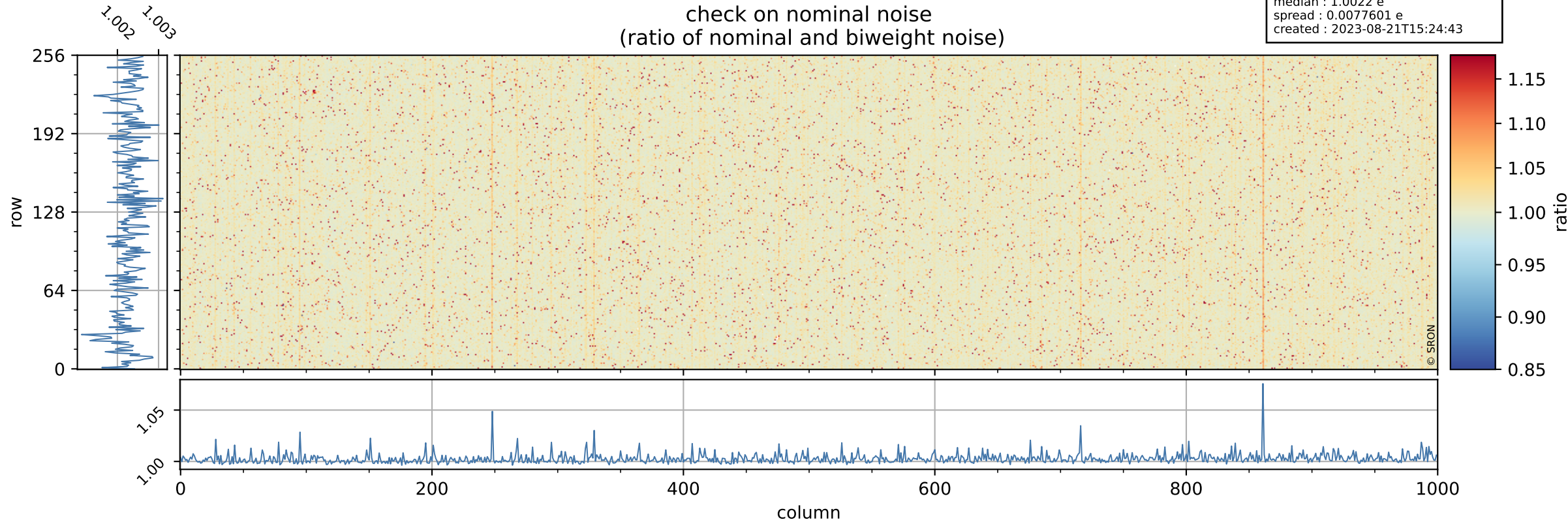
orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
median : 0.99763 e  
spread : 0.0055757 e  
created : 2023-08-21T15:24:42



# Tropomi SWIR background noise (swir)

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

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
median : 1.0022 e  
spread : 0.0077601 e  
created : 2023-08-21T15:24:43

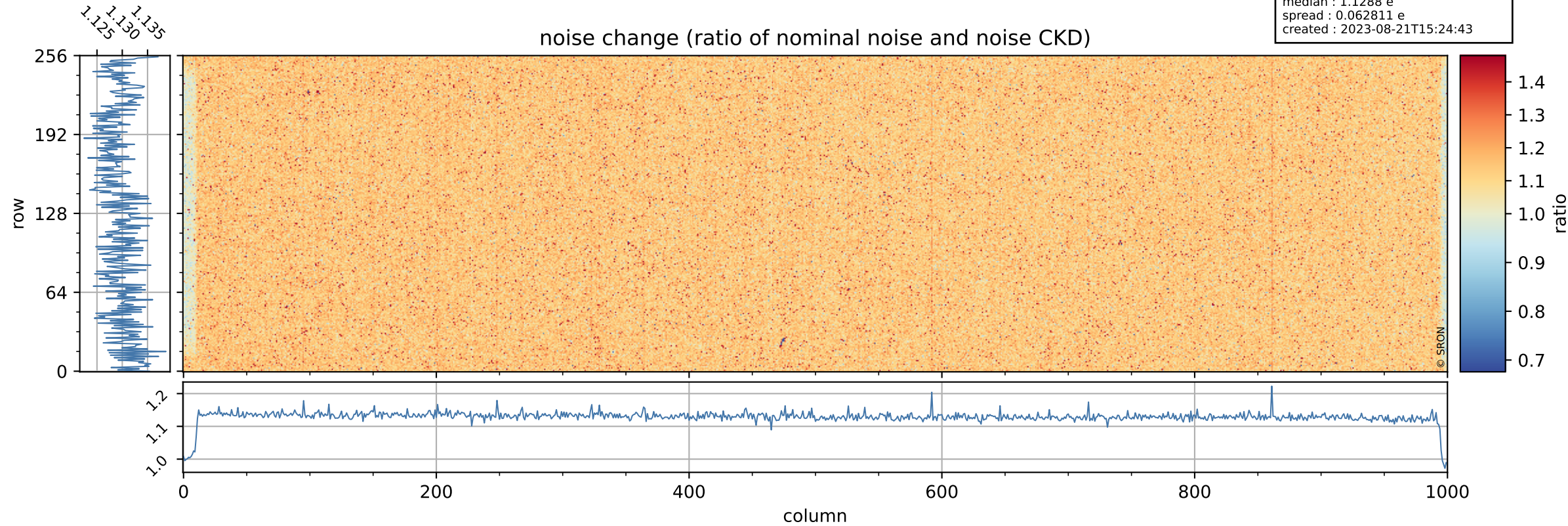




# Tropomi SWIR background noise (swir)

orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
median : 1.1288 e  
spread : 0.062811 e  
created : 2023-08-21T15:24:43

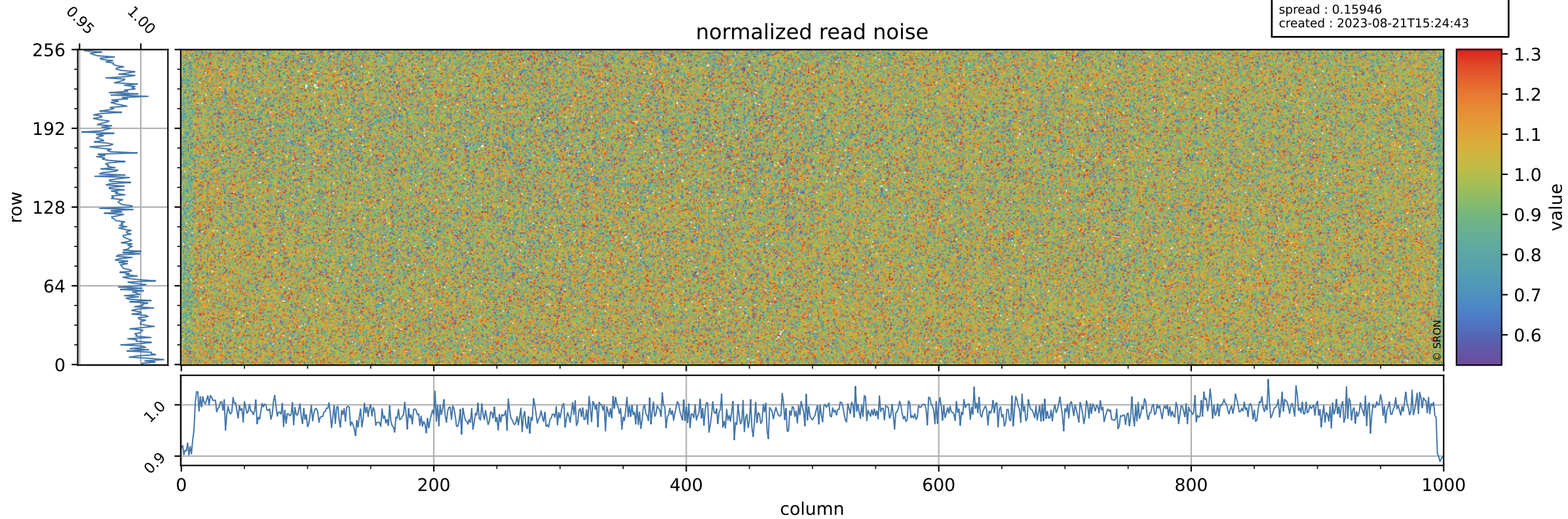
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

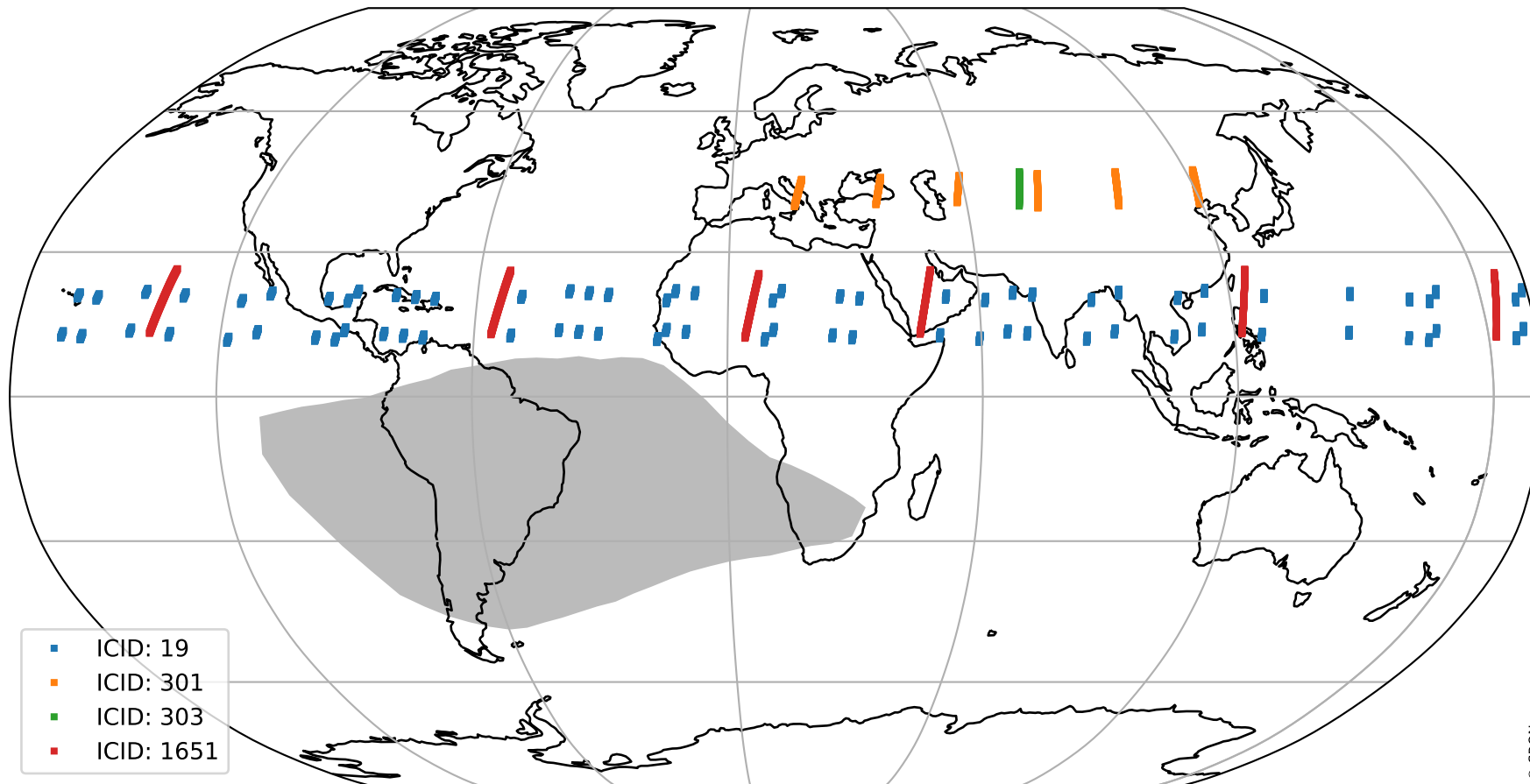
orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
median : 0.98366  
spread : 0.15946  
created : 2023-08-21T15:24:43





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

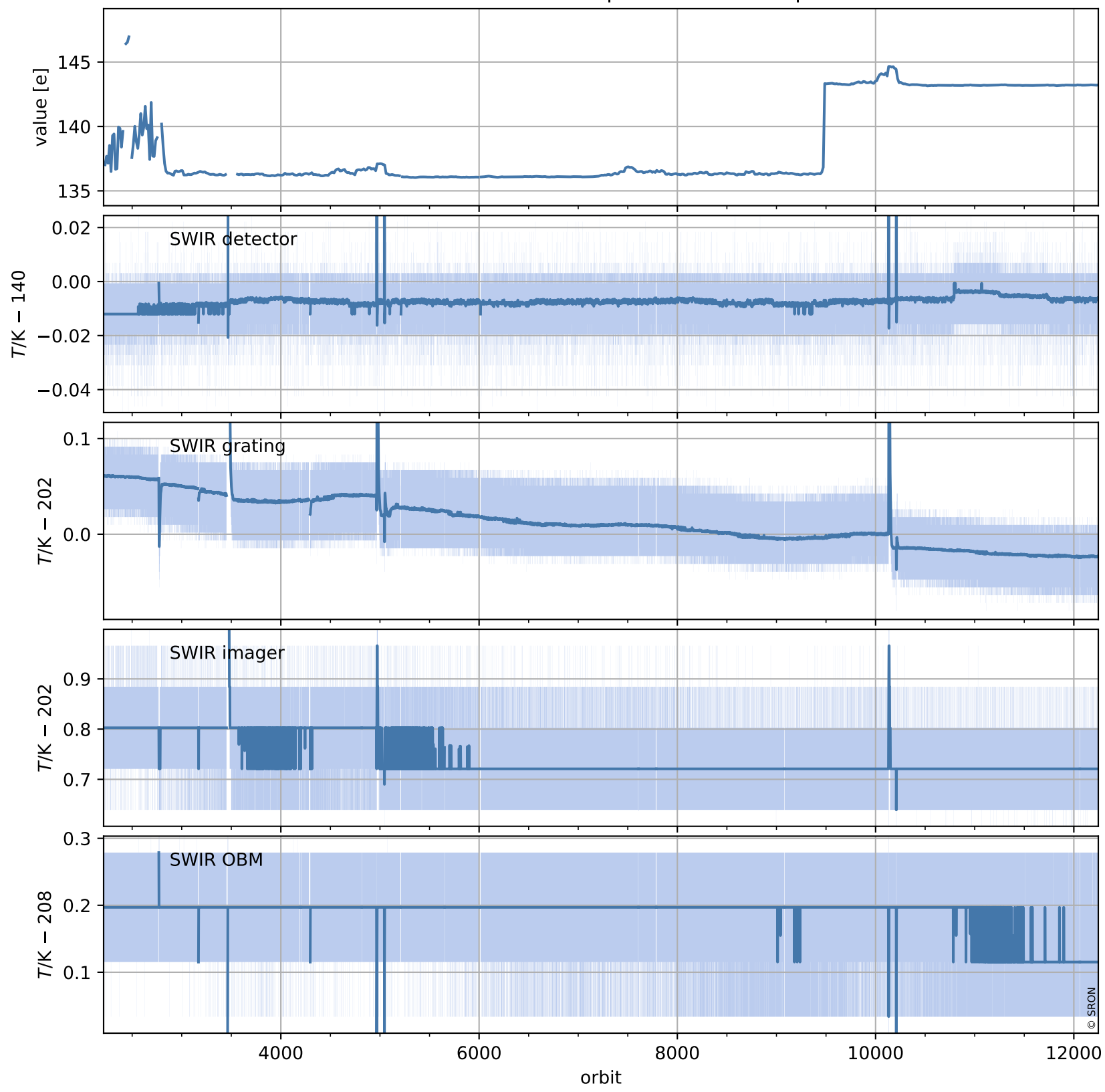
orbits : 13 in [12172, 12247]  
coverage : 2020-02-17 / 2020-02-23  
created : 2023-08-21T15:24:43



# Tropomi SWIR background noise (swir)

orbits : [2212, 12247]  
coverage : 2018-03-18 / 2020-02-23  
created : 2023-08-21T15:24:44

## trend of detector median of plain noise & temperatures

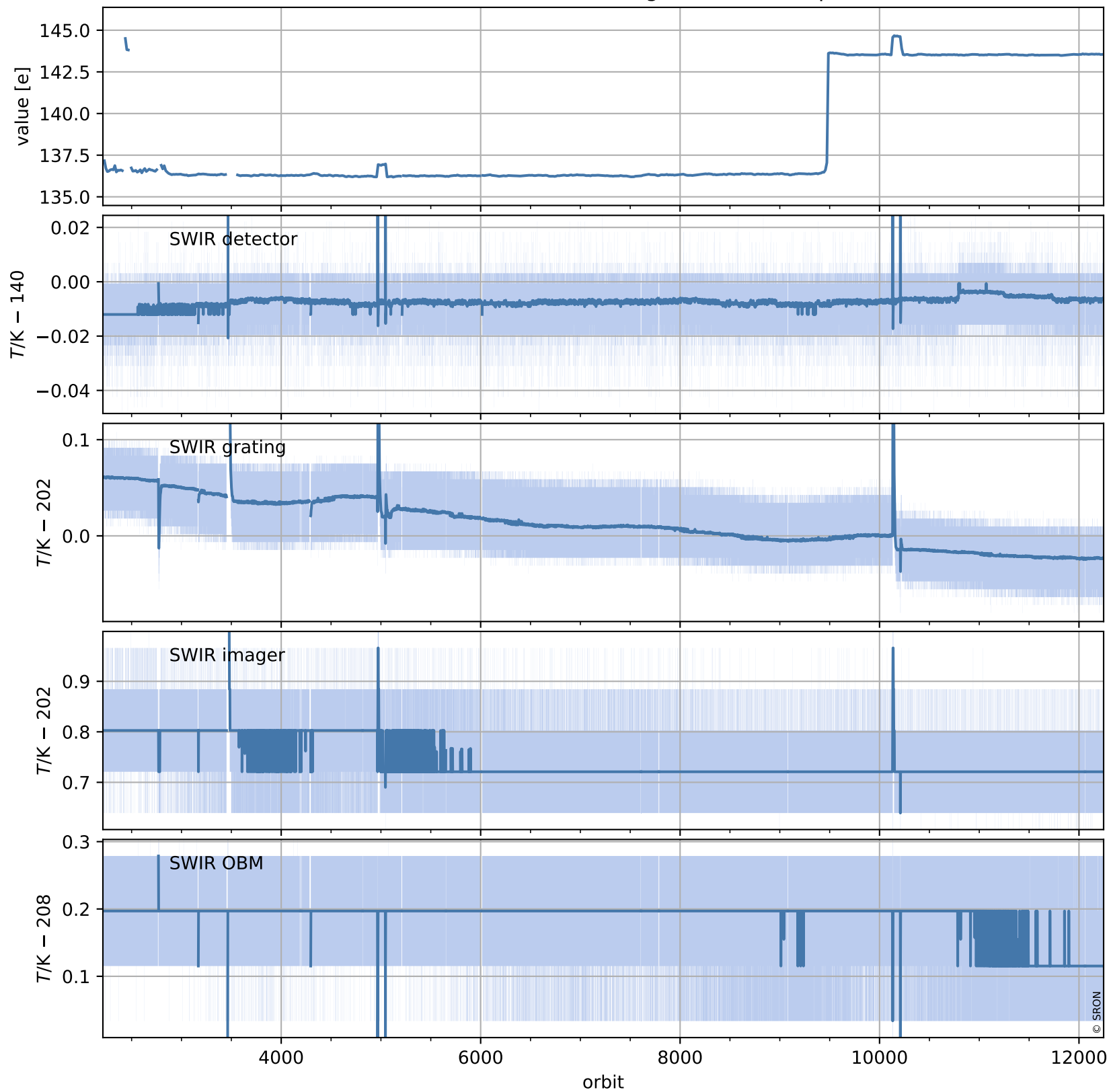




# Tropomi SWIR background noise (swir)

orbits : [2212, 12247]  
coverage : 2018-03-18 / 2020-02-23  
created : 2023-08-21T15:24:44

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12247]  
coverage : 2018-03-18 / 2020-02-23  
created : 2023-08-21T15:24:45

## trend of normalized read-noise & temperatures

