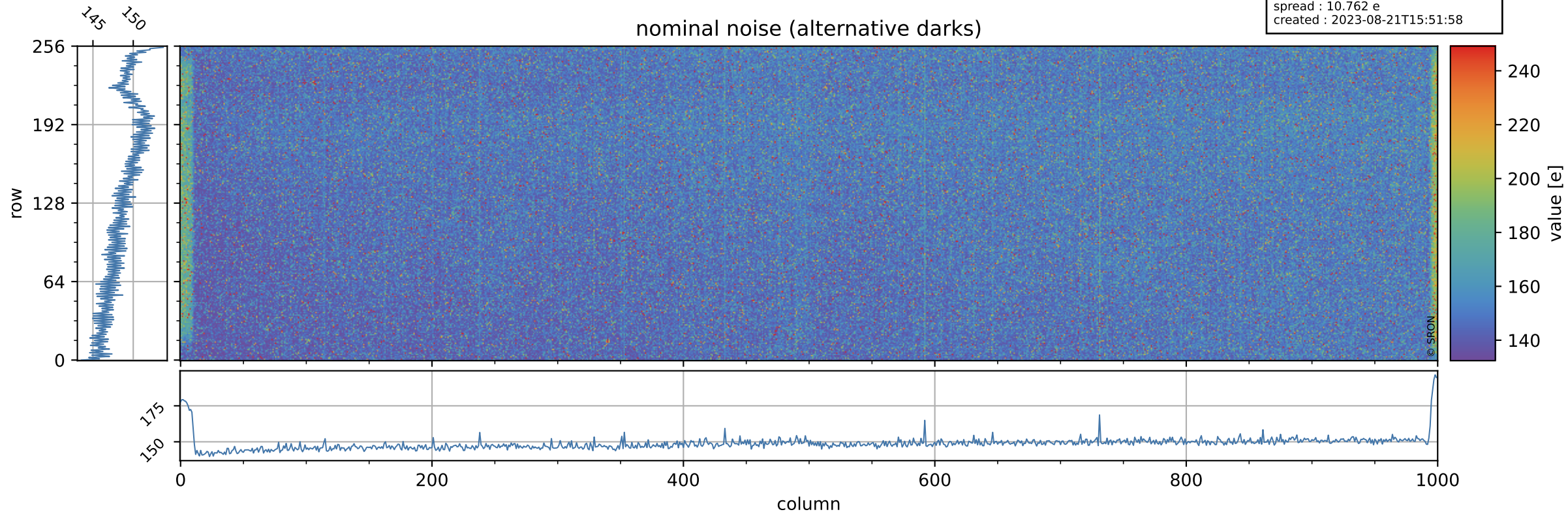


# Tropomi SWIR background noise (swir)

orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
n\_coad, t\_exp : 1, 1.0783  
median : 148.63 e  
spread : 10.762 e  
created : 2023-08-21T15:51:58

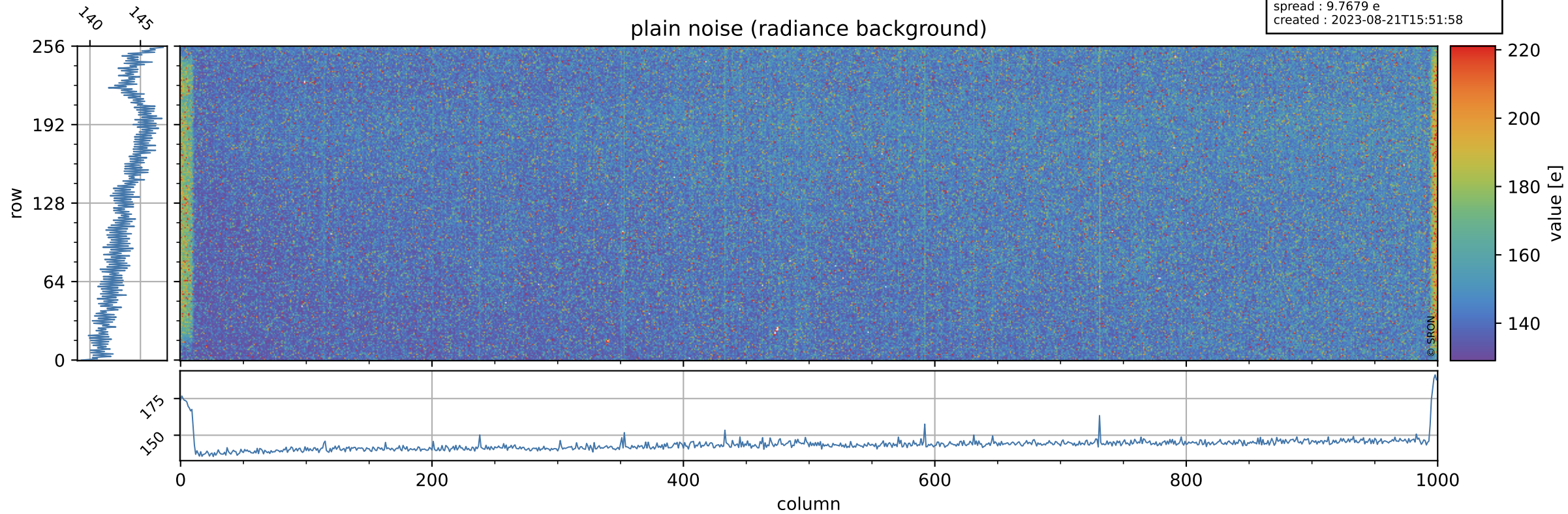
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7679 e  
created : 2023-08-21T15:51:58

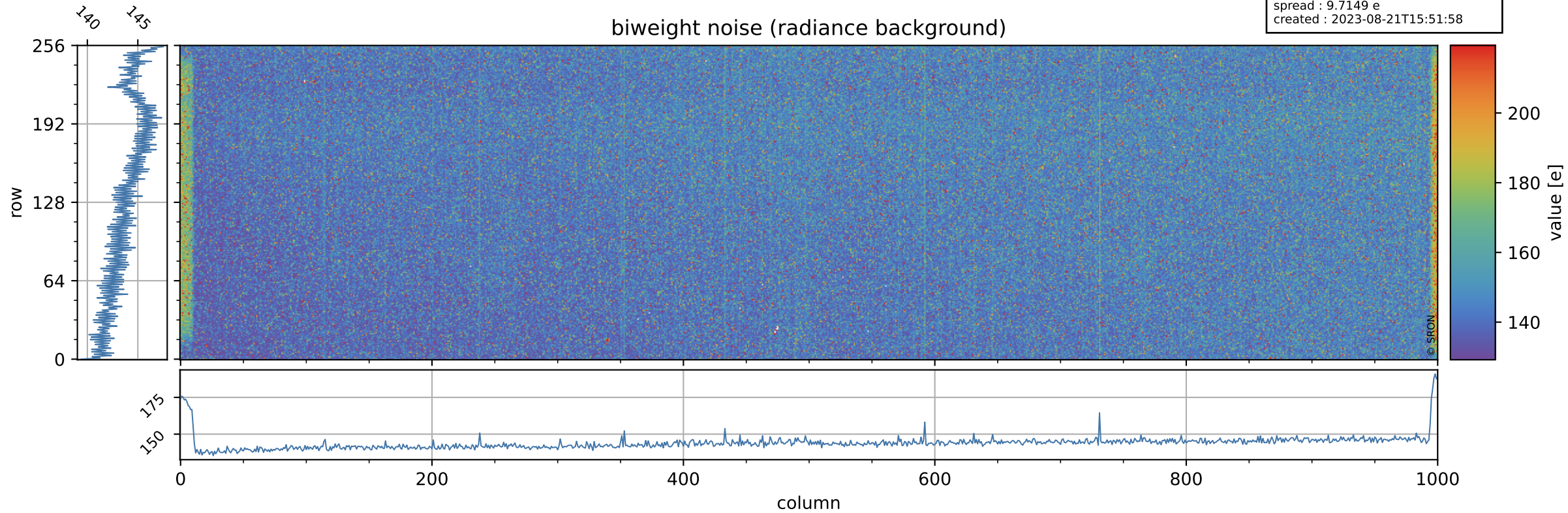
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
n\_coad, t\_exp : 1, 0.8383  
median : 143.74 e  
spread : 9.7149 e  
created : 2023-08-21T15:51:58

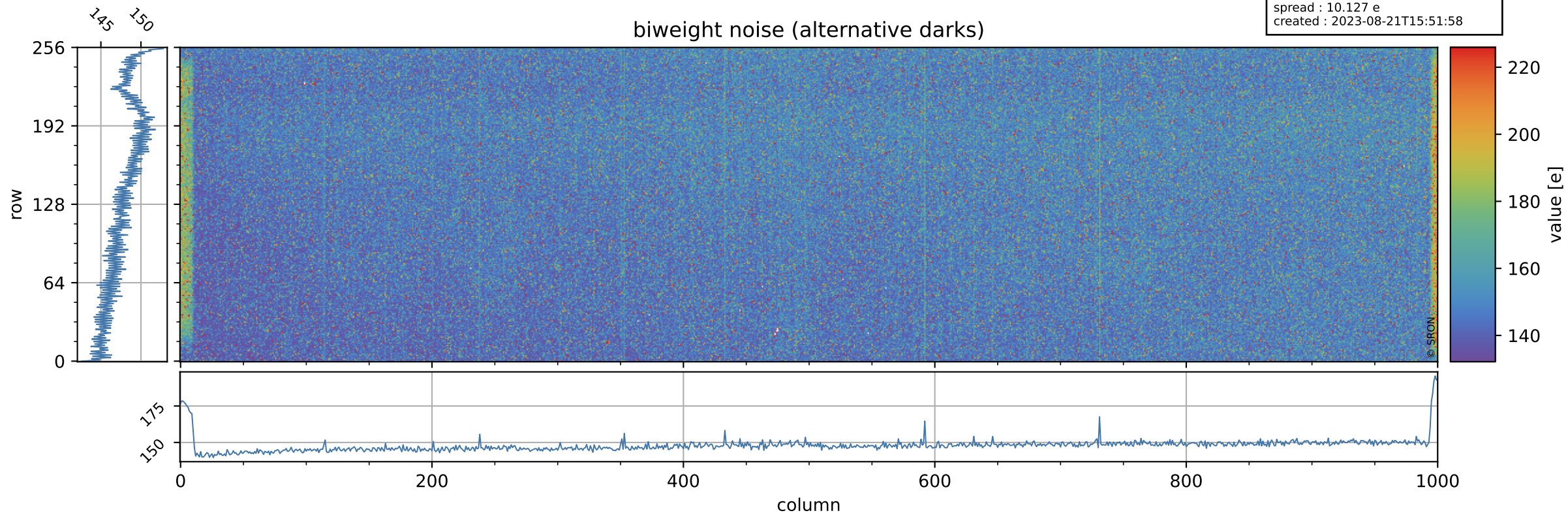
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.127 e  
created : 2023-08-21T15:51:58

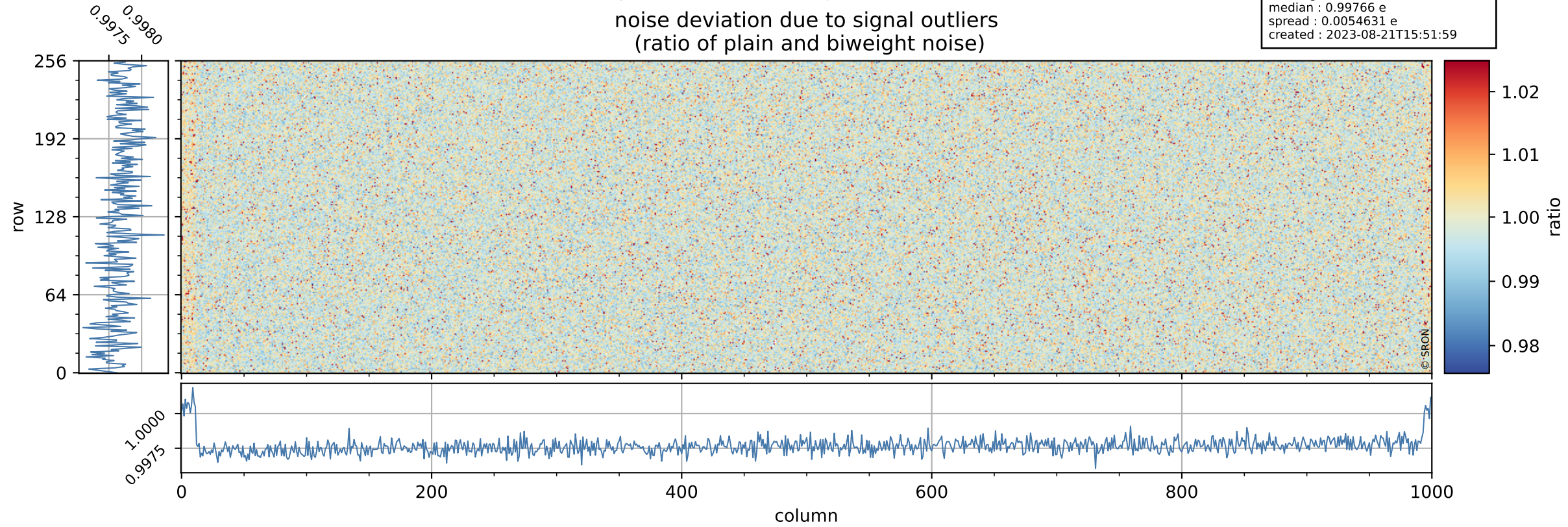
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

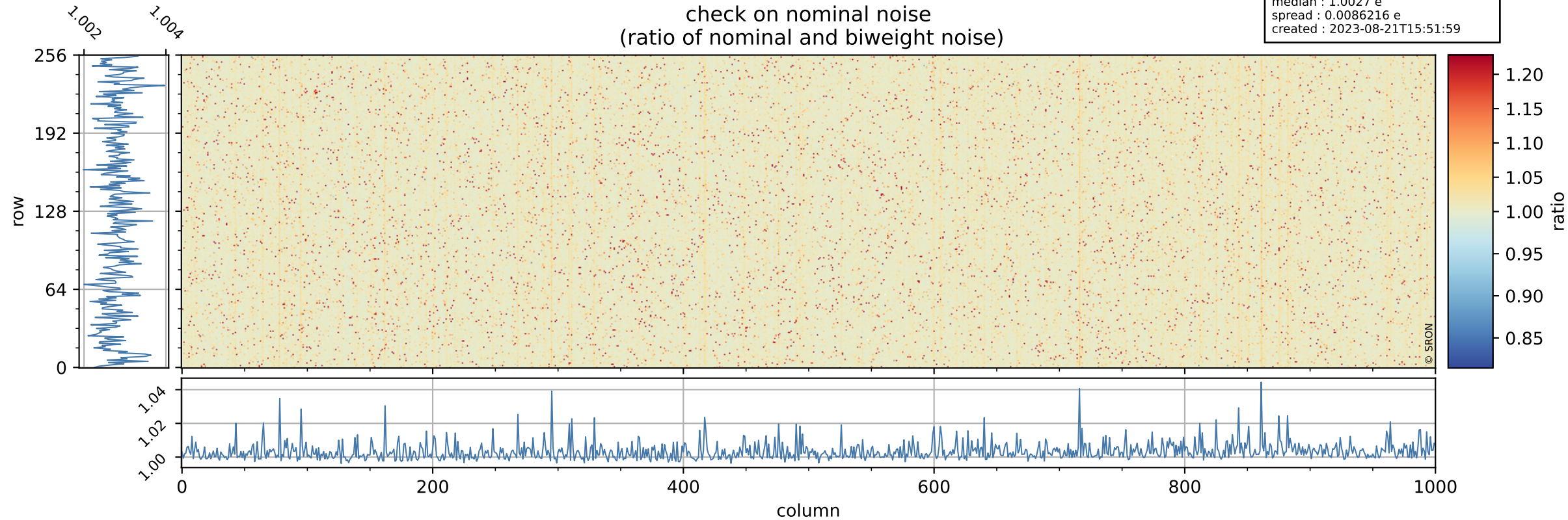
orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
median : 0.99766 e  
spread : 0.0054631 e  
created : 2023-08-21T15:51:59



# Tropomi SWIR background noise (swir)

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

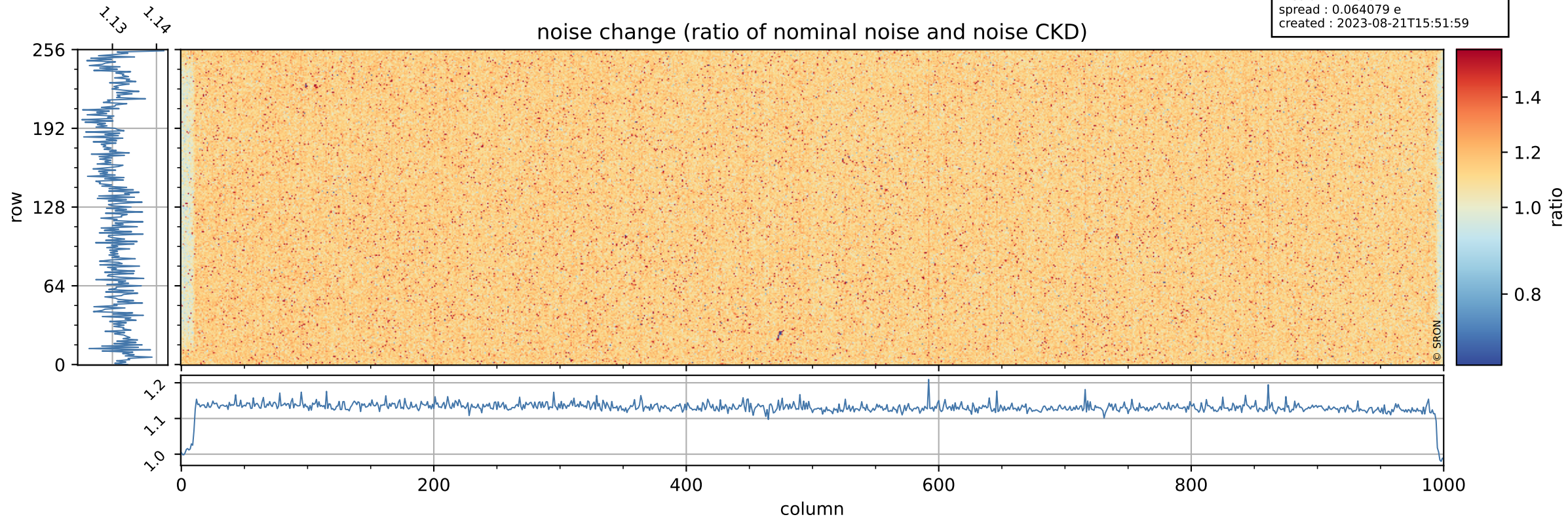
orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
median : 1.0027 e  
spread : 0.0086216 e  
created : 2023-08-21T15:51:59



# Tropomi SWIR background noise (swir)

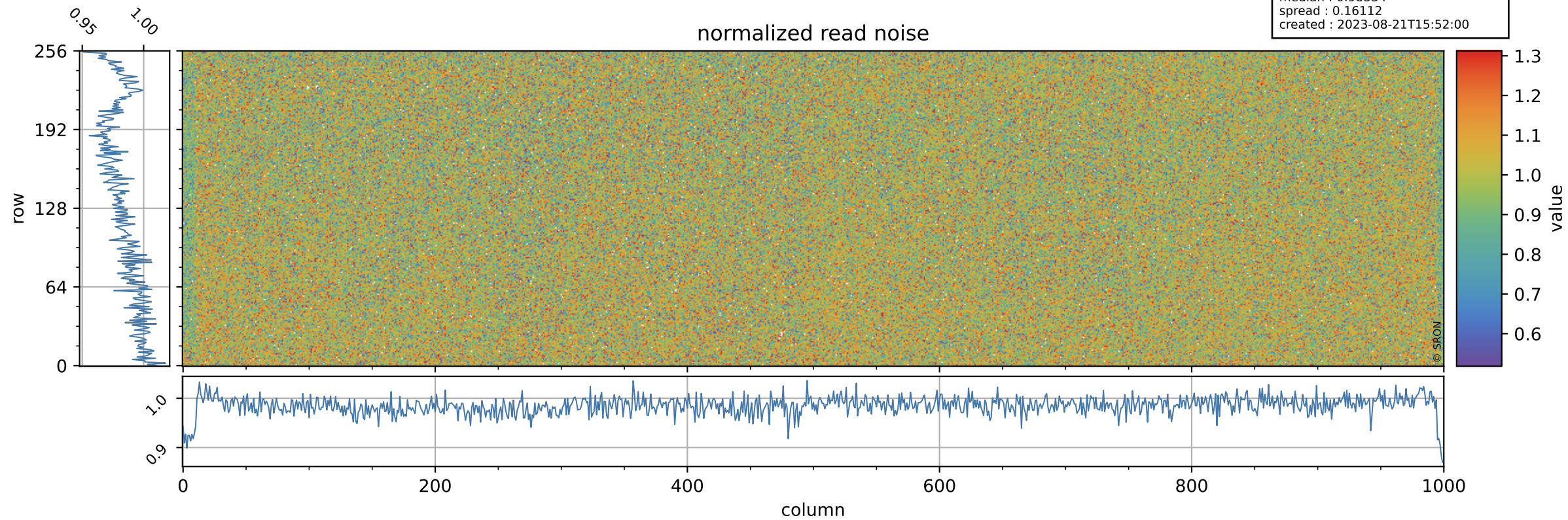
orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
median : 1.13 e  
spread : 0.064079 e  
created : 2023-08-21T15:51:59

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

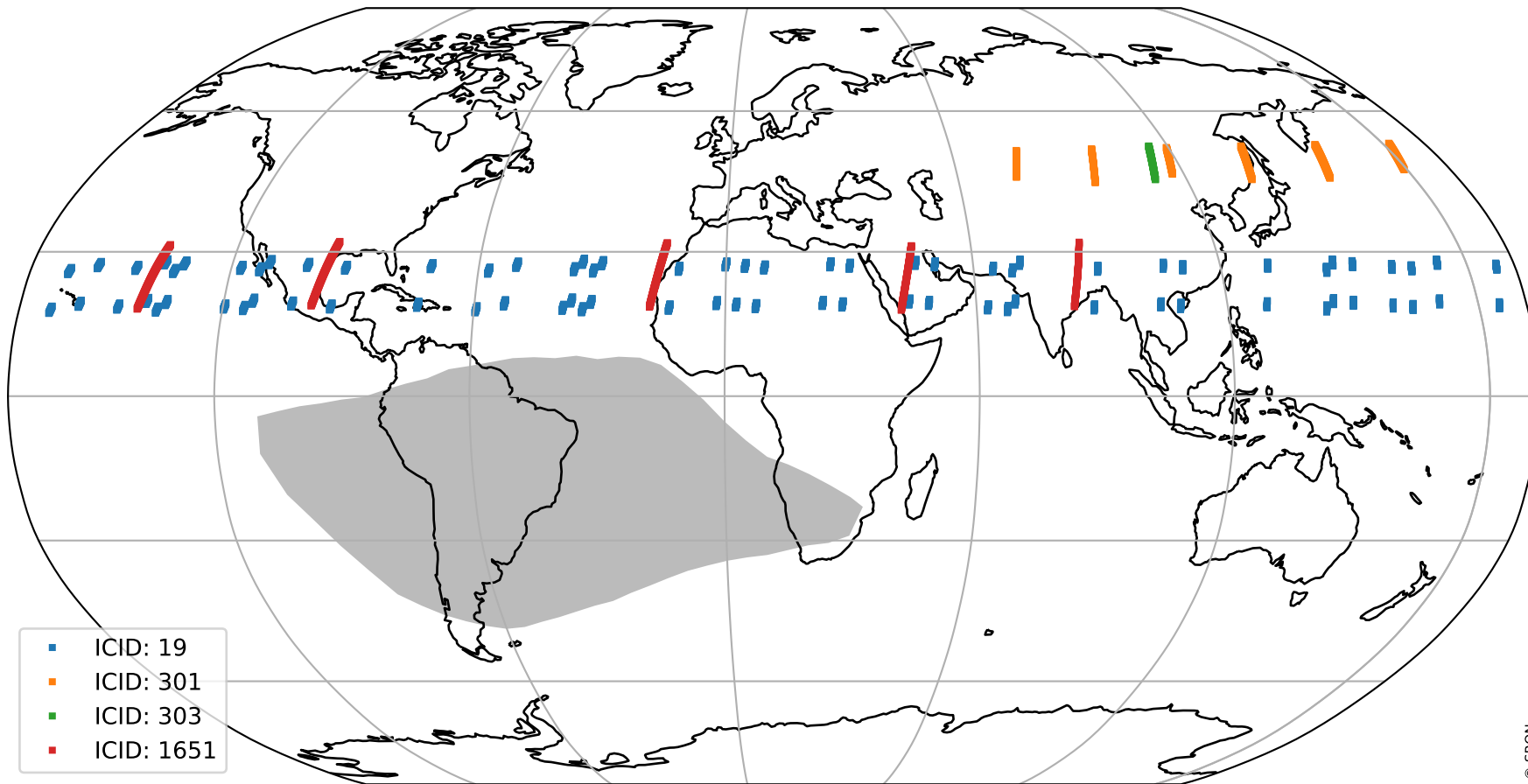
orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
median : 0.98334  
spread : 0.16112  
created : 2023-08-21T15:52:00





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

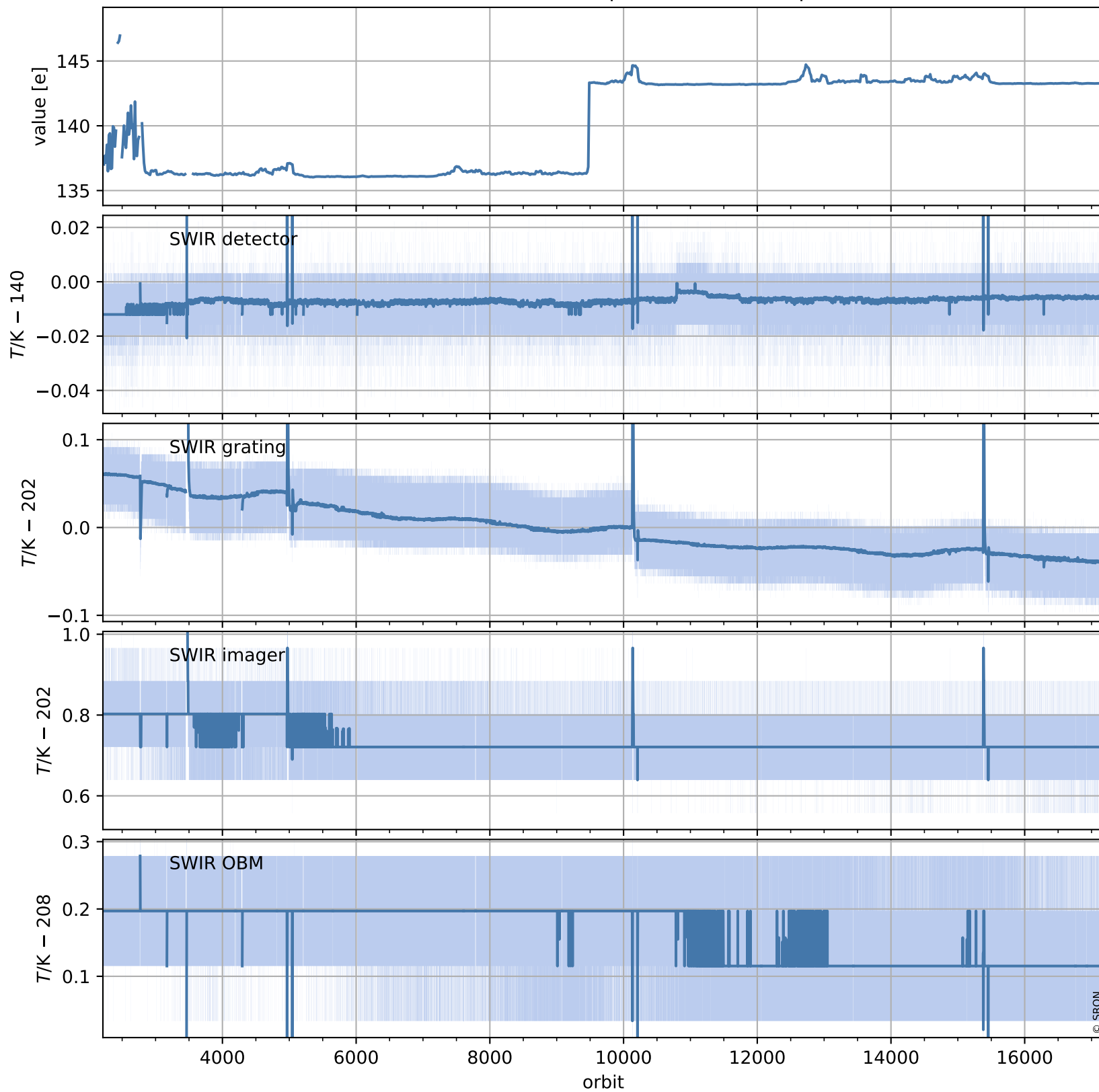
orbits : 12 in [17092, 17182]  
coverage : 2021-01-30 / 2021-02-04  
created : 2023-08-21T15:52:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 17182]  
coverage : 2018-03-18 / 2021-02-04  
created : 2023-08-21T15:52:00

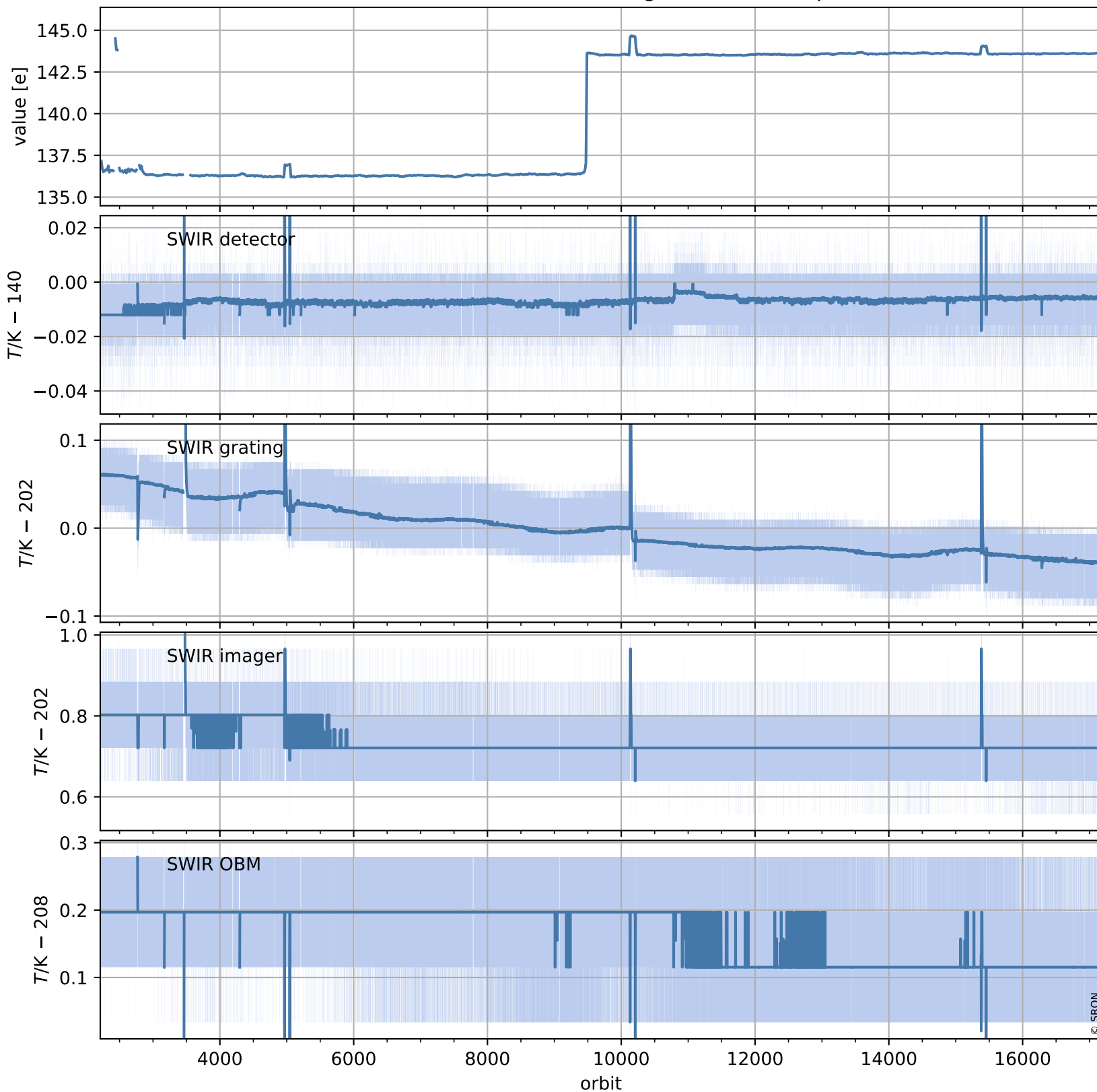
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17182]  
coverage : 2018-03-18 / 2021-02-04  
created : 2023-08-21T15:52:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 17182]  
coverage : 2018-03-18 / 2021-02-04  
created : 2023-08-21T15:52:02

## trend of normalized read-noise & temperatures

