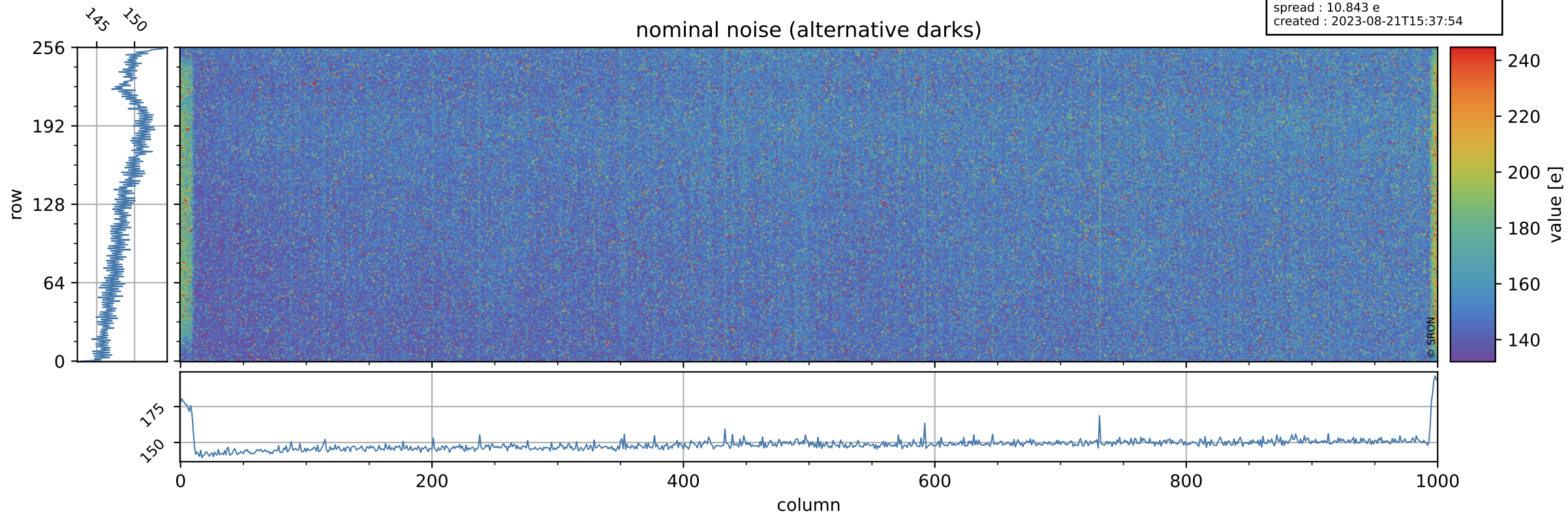


# Tropomi SWIR background noise (swir)

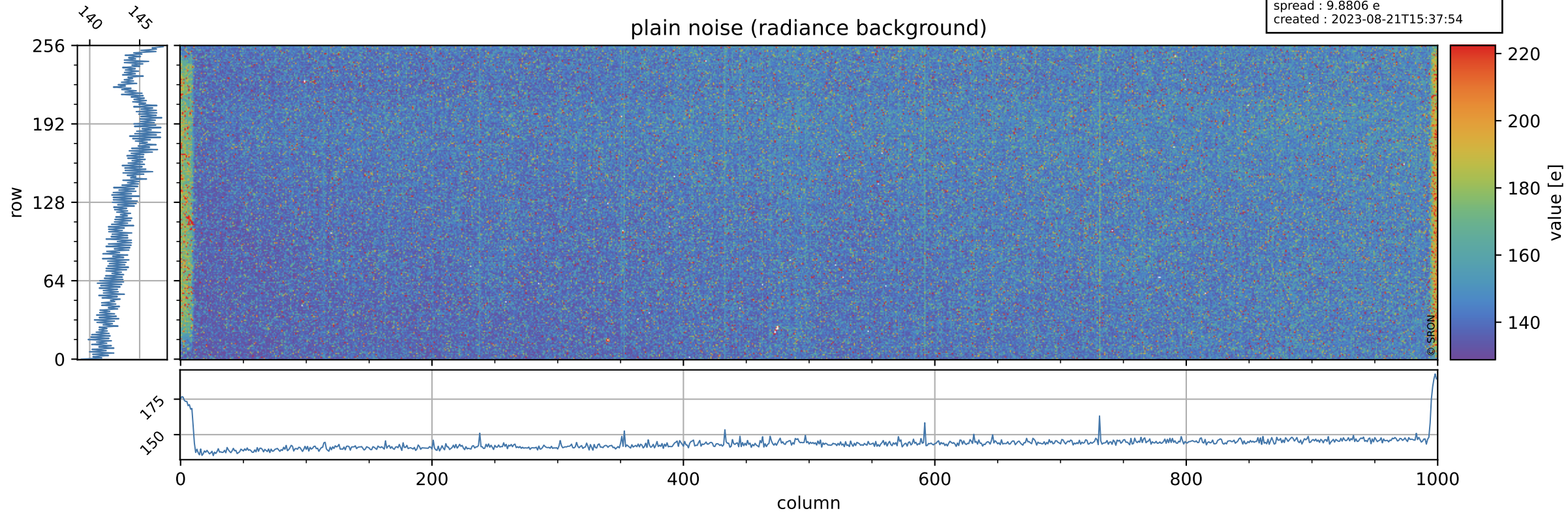
orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.55 e  
spread : 10.843 e  
created : 2023-08-21T15:37:54



# Tropomi SWIR background noise (swir)

orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.55 e  
spread : 9.8806 e  
created : 2023-08-21T15:37:54

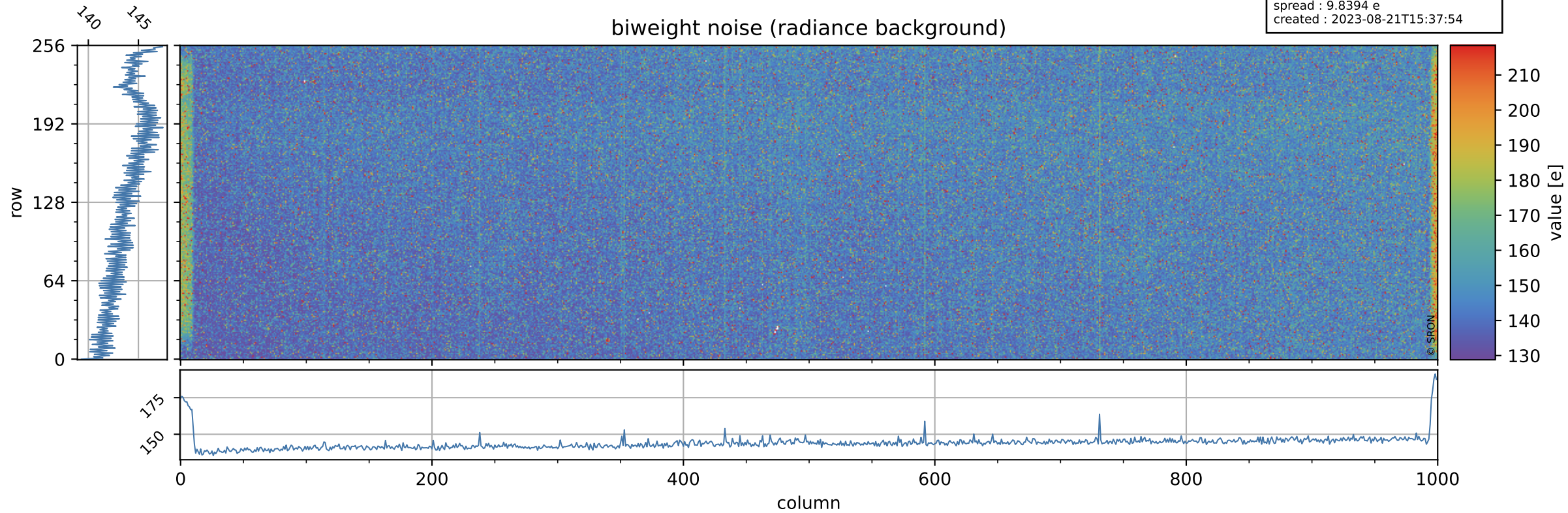
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
n\_coad, t\_exp : 1, 0.8383  
median : 143.76 e  
spread : 9.8394 e  
created : 2023-08-21T15:37:54

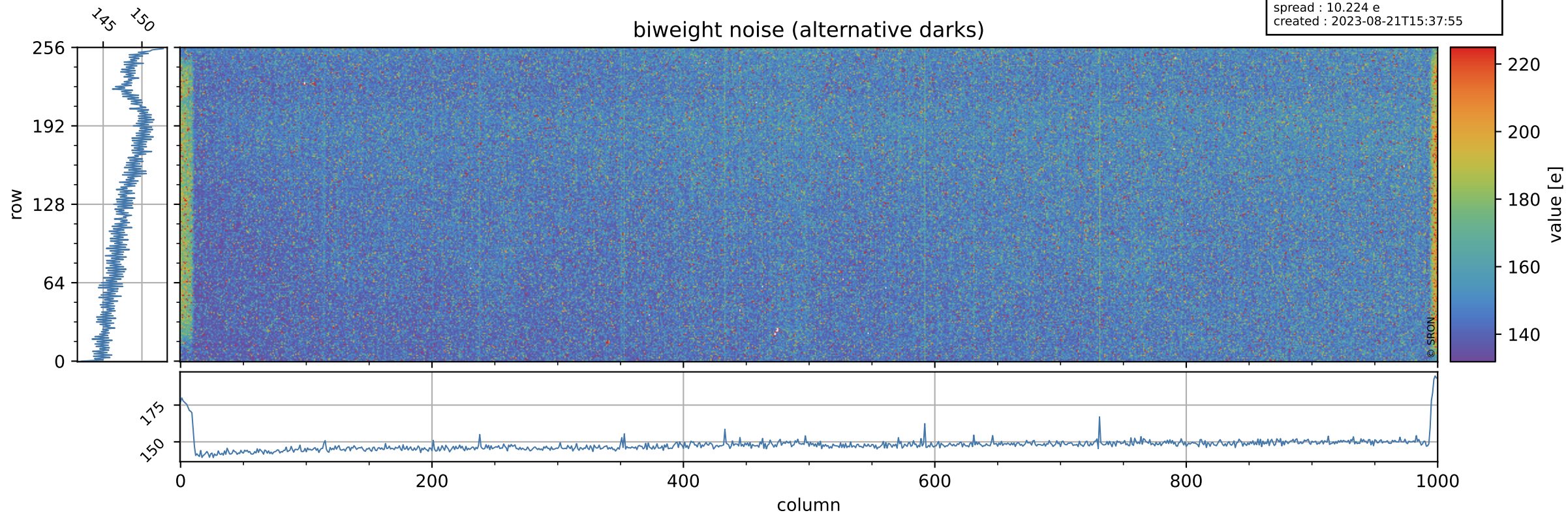
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.69 e  
spread : 10.224 e  
created : 2023-08-21T15:37:55

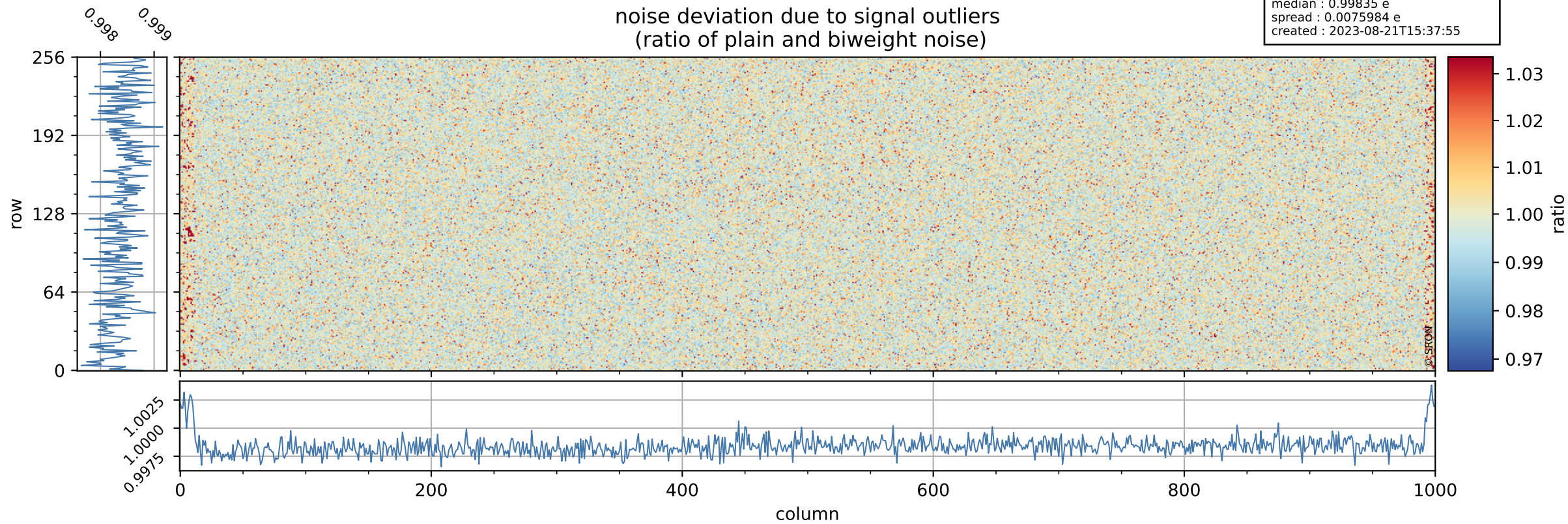
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

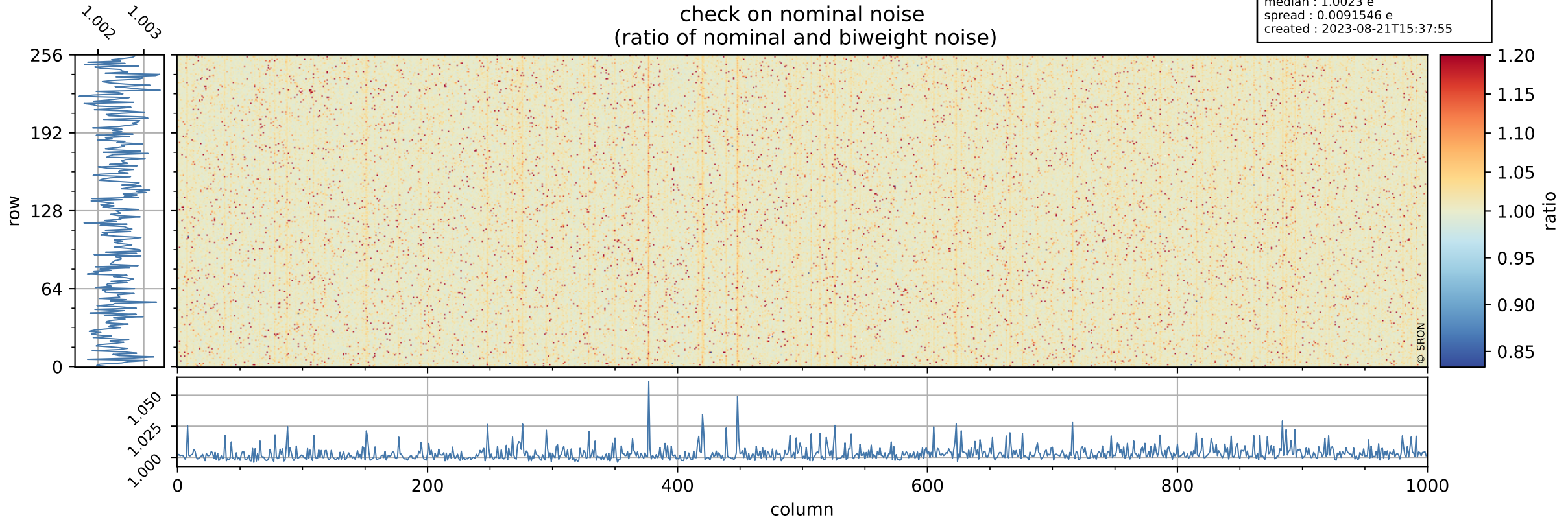
orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
median : 0.99835 e  
spread : 0.0075984 e  
created : 2023-08-21T15:37:55



# Tropomi SWIR background noise (swir)

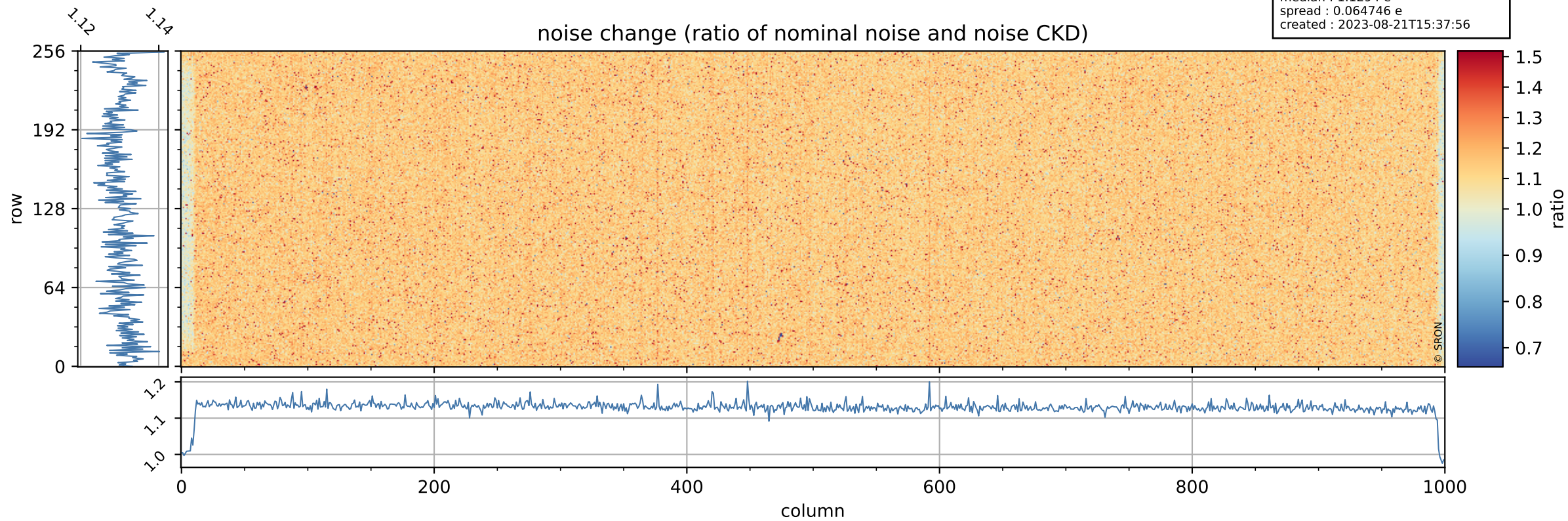
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
median : 1.0023 e  
spread : 0.0091546 e  
created : 2023-08-21T15:37:55



# Tropomi SWIR background noise (swir)

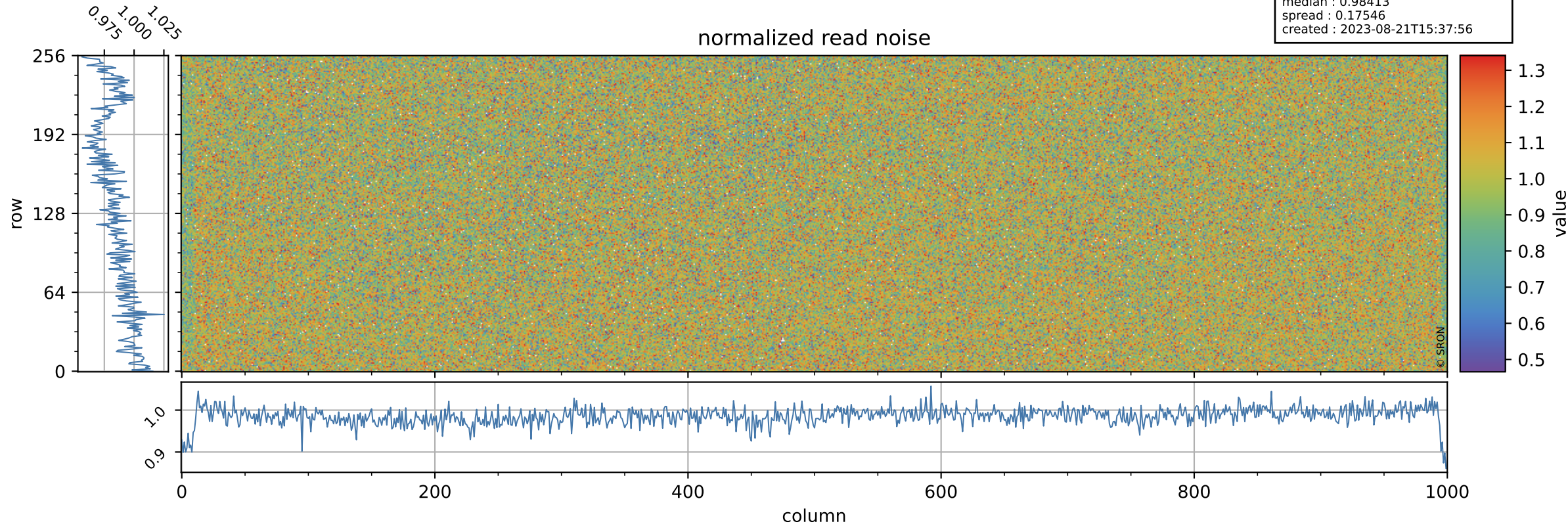
orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
median : 1.1294 e  
spread : 0.064746 e  
created : 2023-08-21T15:37:56



# Tropomi SWIR background noise (swir)

orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
median : 0.98413  
spread : 0.17546  
created : 2023-08-21T15:37:56

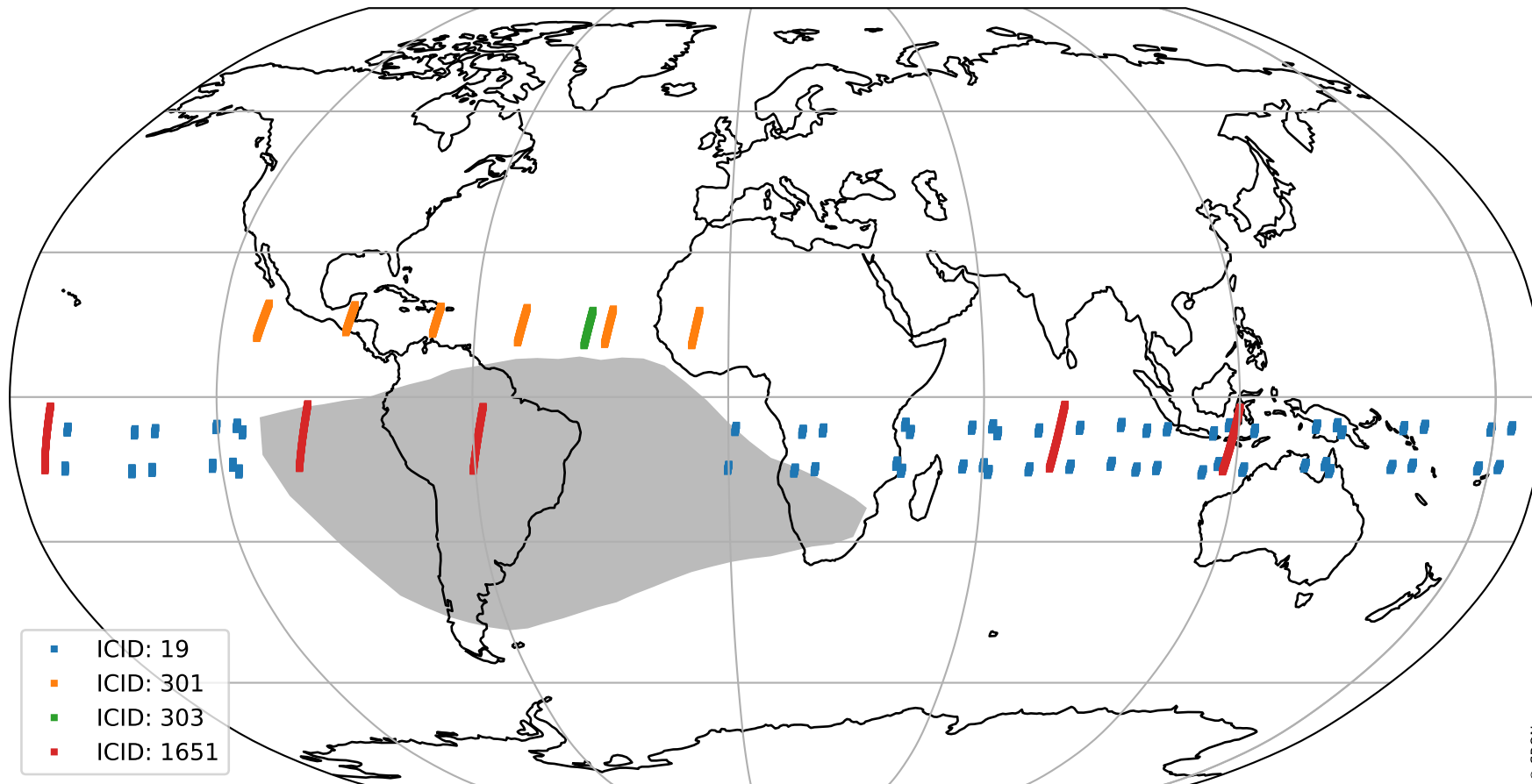
normalized read noise





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

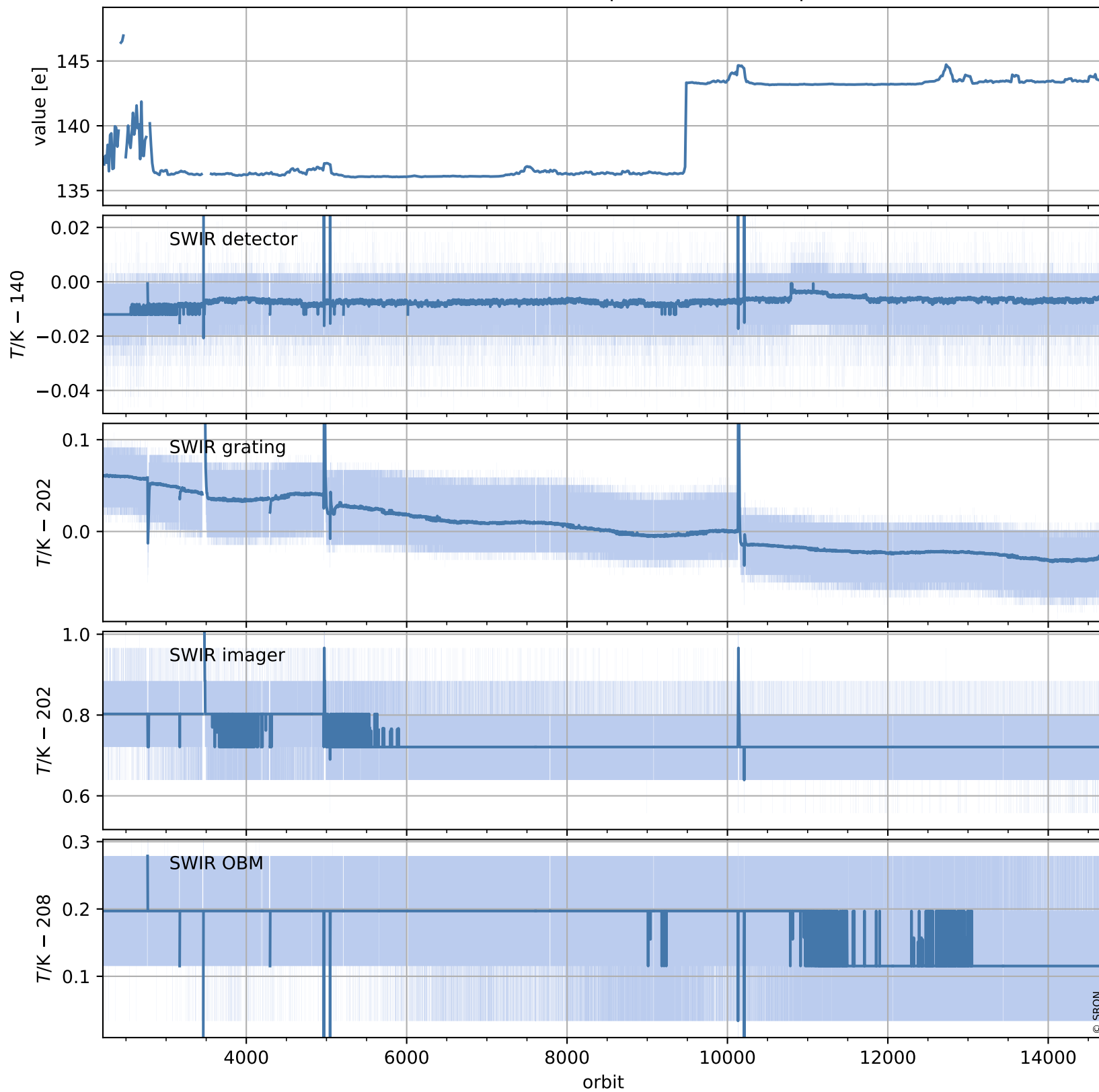
orbits : 12 in [14617, 14692]  
coverage : 2020-08-08 / 2020-08-13  
created : 2023-08-21T15:37:56



# Tropomi SWIR background noise (swir)

orbits : [2212, 14692]  
coverage : 2018-03-18 / 2020-08-13  
created : 2023-08-21T15:37:56

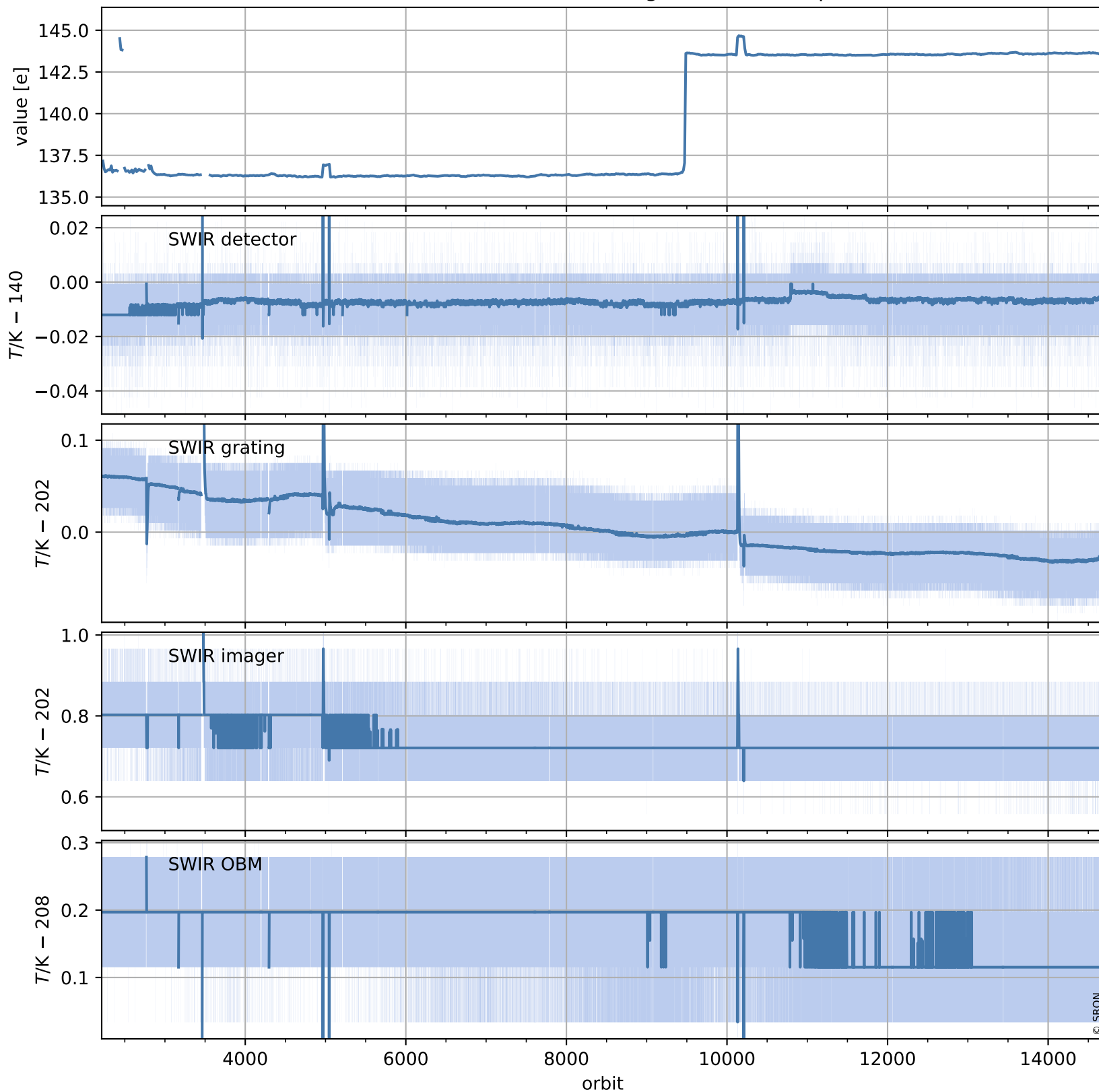
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14692]  
coverage : 2018-03-18 / 2020-08-13  
created : 2023-08-21T15:37:57

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 14692]  
coverage : 2018-03-18 / 2020-08-13  
created : 2023-08-21T15:37:58

## trend of normalized read-noise & temperatures

