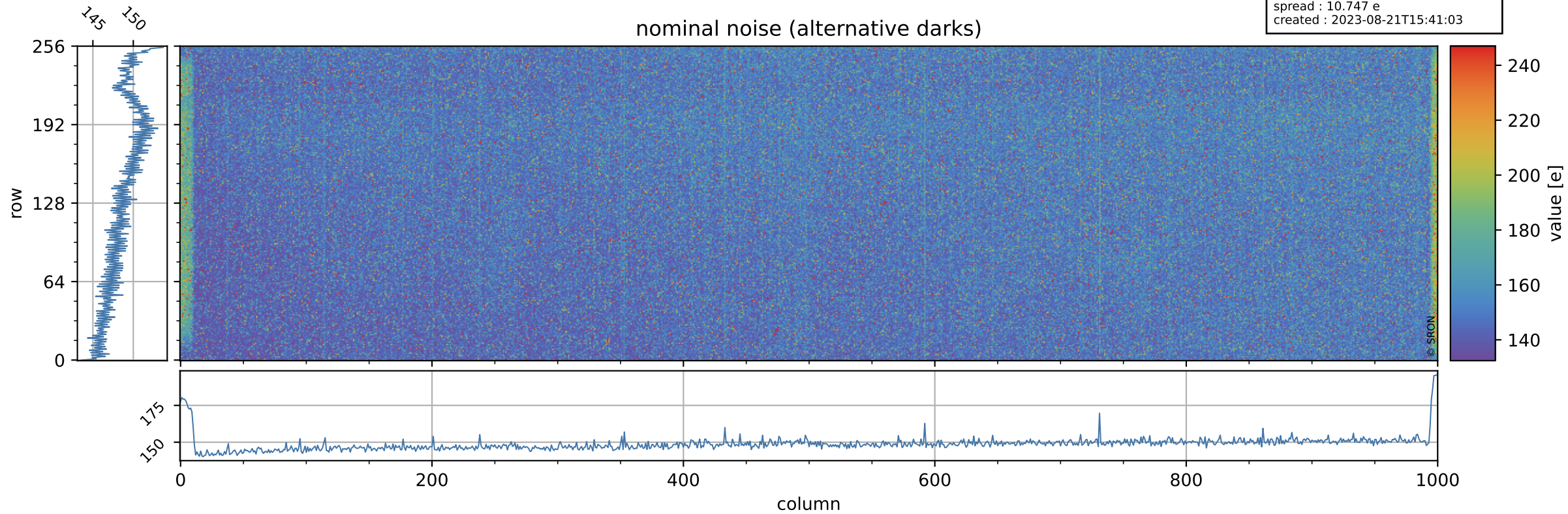


# Tropomi SWIR background noise (swir)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.747 e  
created : 2023-08-21T15:41:03

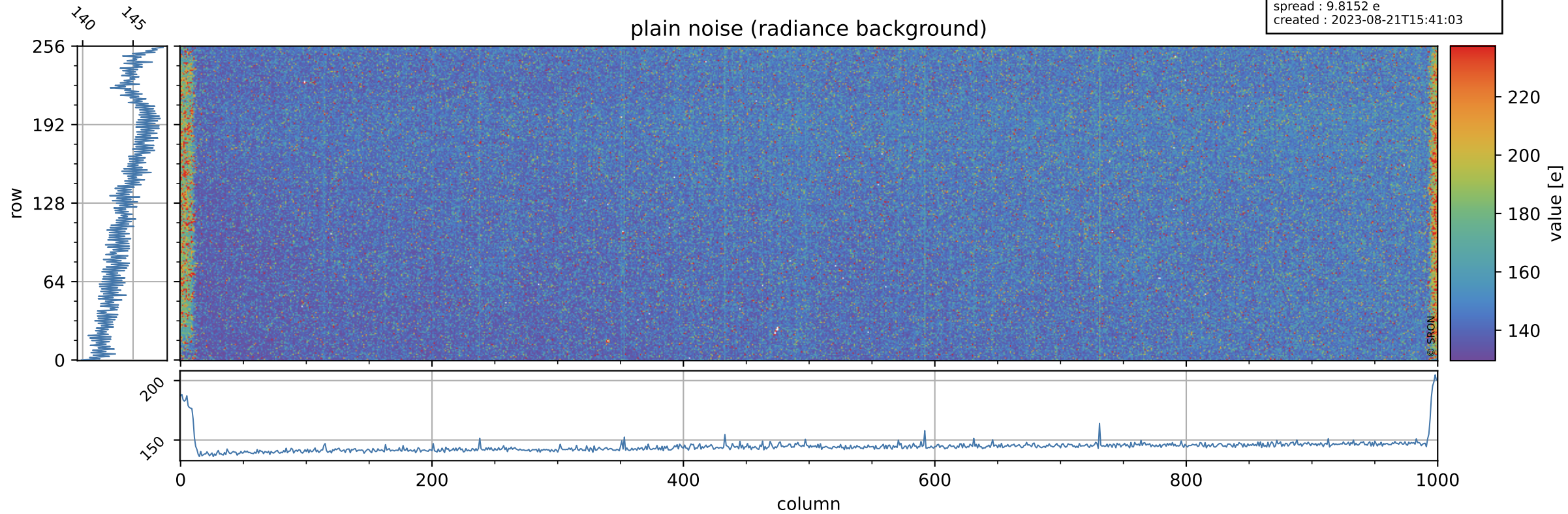
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
n\_coad, t\_exp : 1, 0.8383  
median : 144.16 e  
spread : 9.8152 e  
created : 2023-08-21T15:41:03

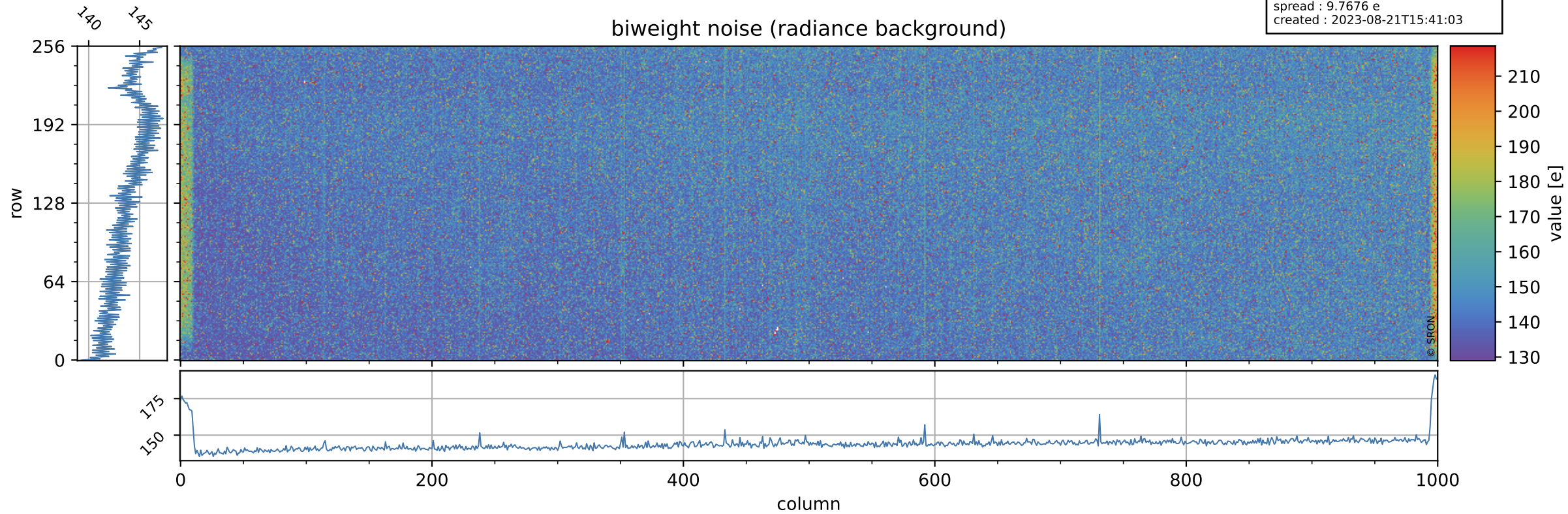
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
n\_coad, t\_exp : 1, 0.8383  
median : 143.7 e  
spread : 9.7676 e  
created : 2023-08-21T15:41:03

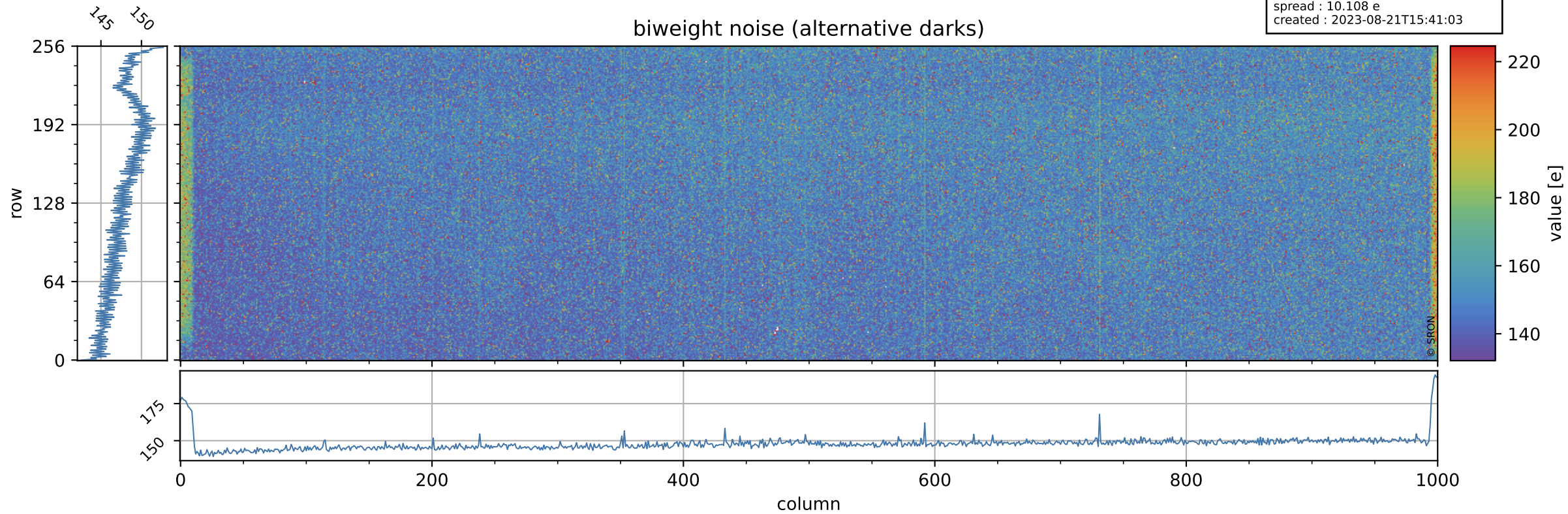
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
n\_coad, t\_exp : 1, 1.0783  
median : 147.65 e  
spread : 10.108 e  
created : 2023-08-21T15:41:03

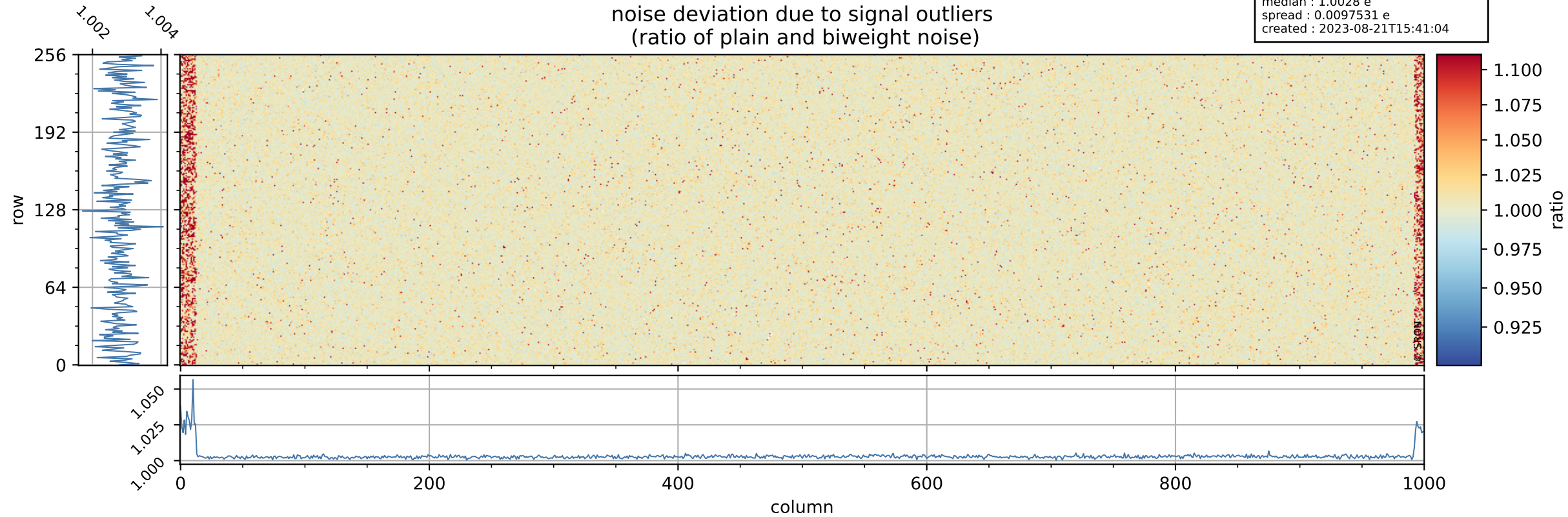
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

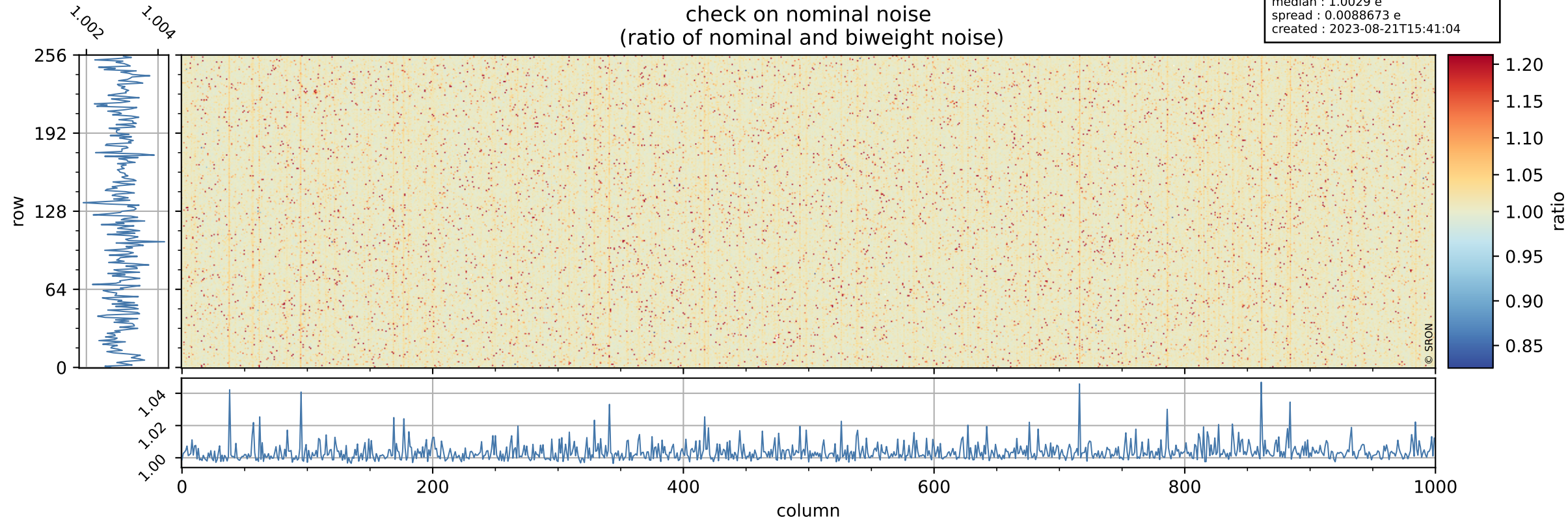
orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
median : 1.0028 e  
spread : 0.0097531 e  
created : 2023-08-21T15:41:04



# Tropomi SWIR background noise (swir)

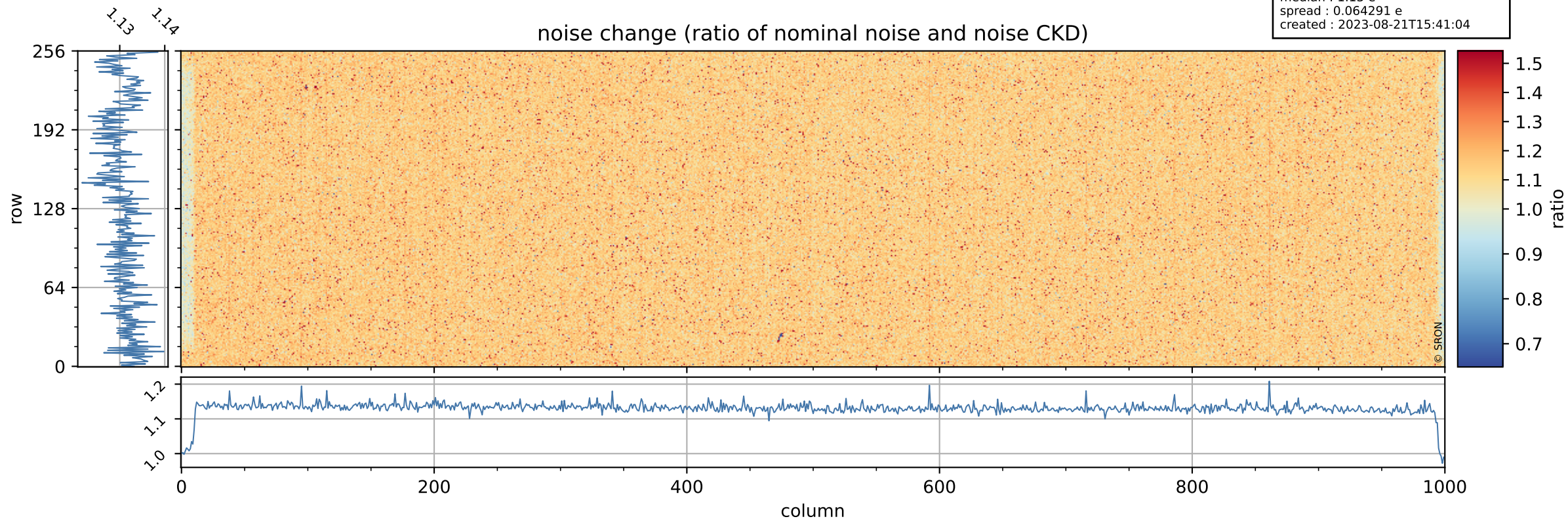
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
median : 1.0029 e  
spread : 0.0088673 e  
created : 2023-08-21T15:41:04



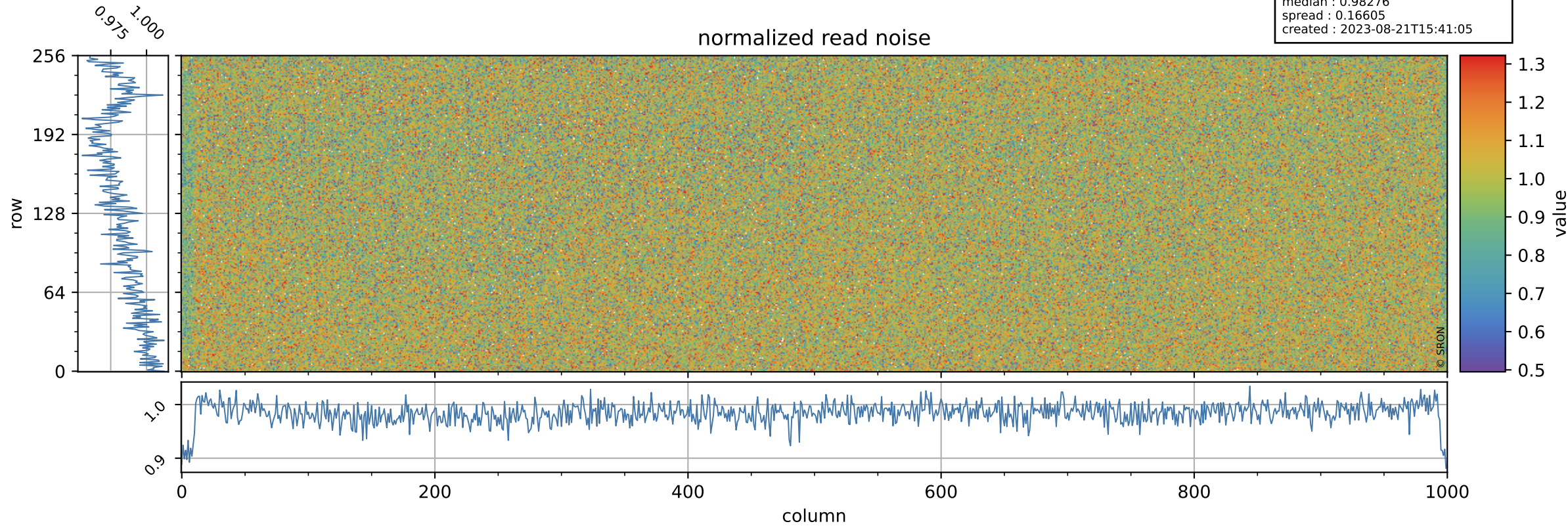
# Tropomi SWIR background noise (swir)

orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
median : 1.13 e  
spread : 0.064291 e  
created : 2023-08-21T15:41:04



# Tropomi SWIR background noise (swir)

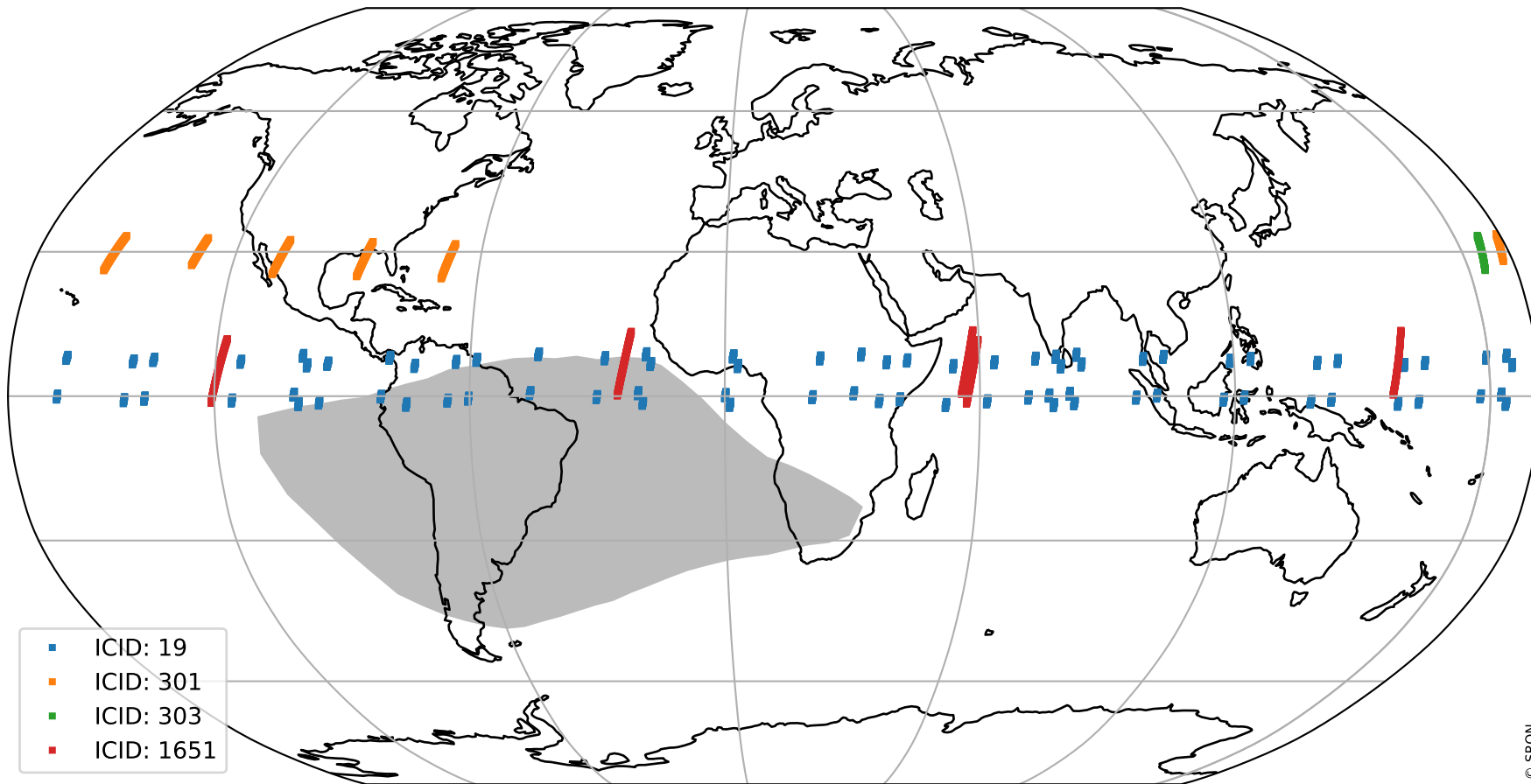
orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
median : 0.98276  
spread : 0.16605  
created : 2023-08-21T15:41:05





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

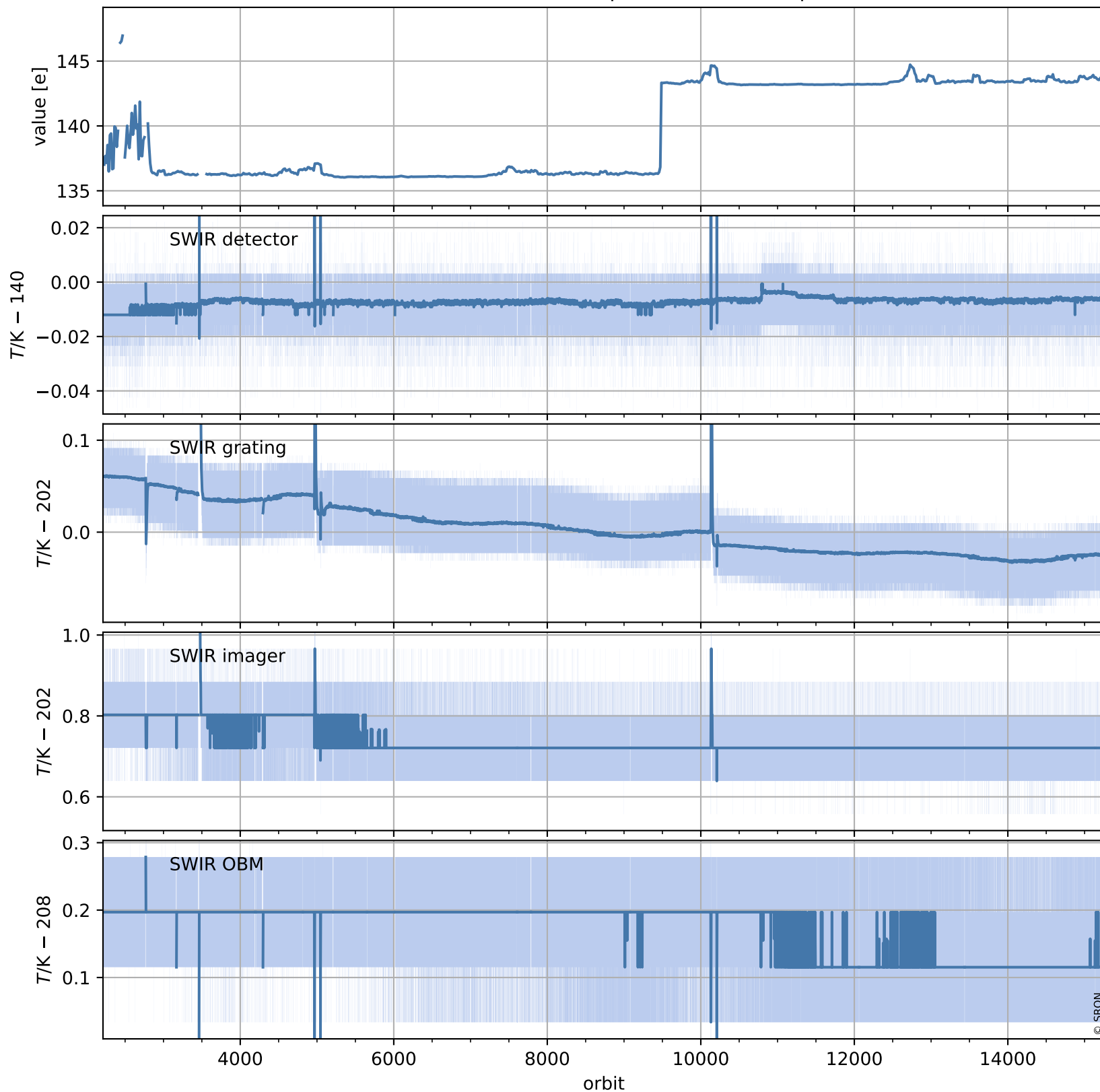
orbits : 12 in [15172, 15262]  
coverage : 2020-09-17 / 2020-09-22  
created : 2023-08-21T15:41:05



# Tropomi SWIR background noise (swir)

orbits : [2212, 15262]  
coverage : 2018-03-18 / 2020-09-22  
created : 2023-08-21T15:41:05

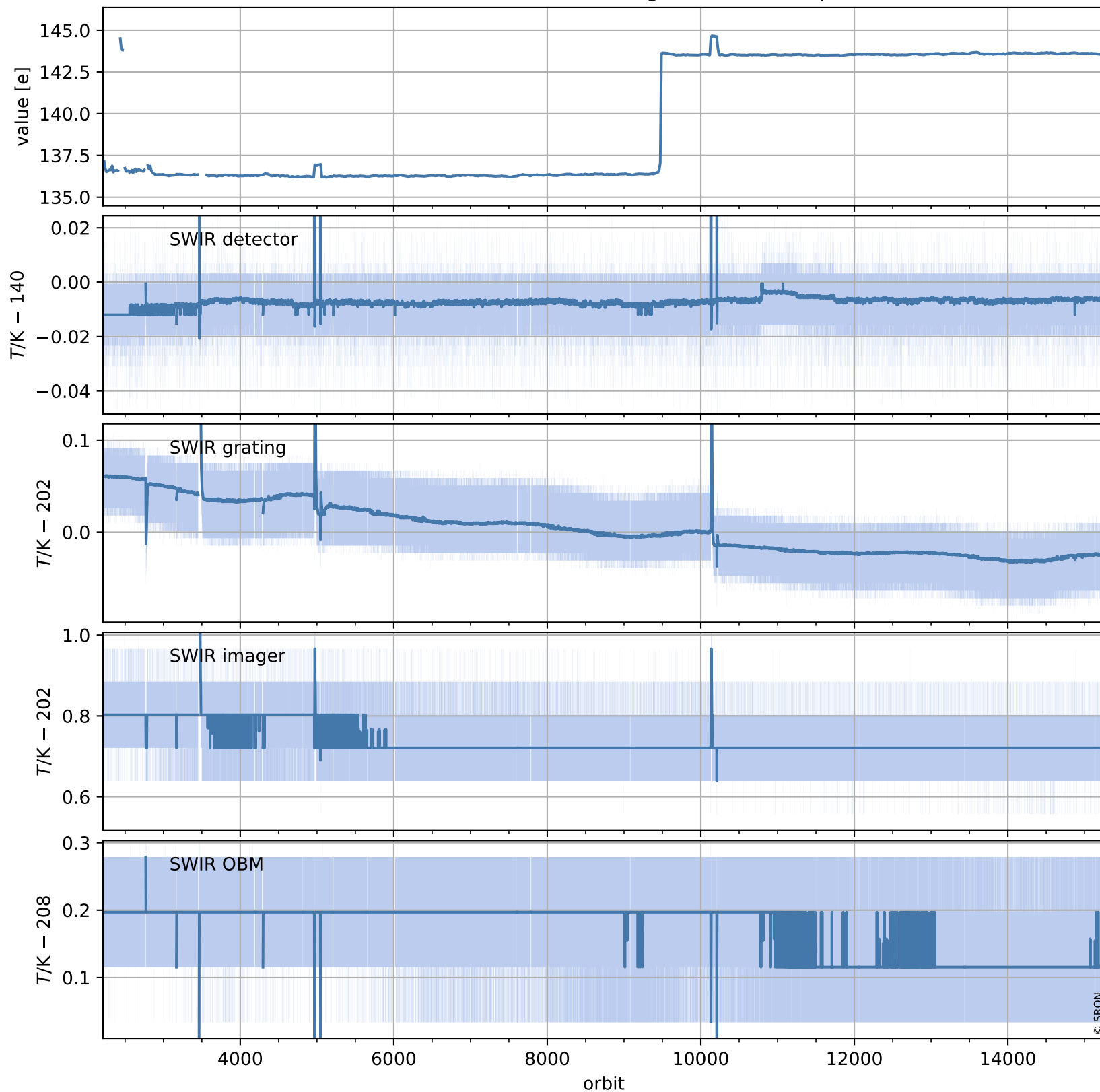
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15262]  
coverage : 2018-03-18 / 2020-09-22  
created : 2023-08-21T15:41:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15262]  
coverage : 2018-03-18 / 2020-09-22  
created : 2023-08-21T15:41:06

## trend of normalized read-noise & temperatures

