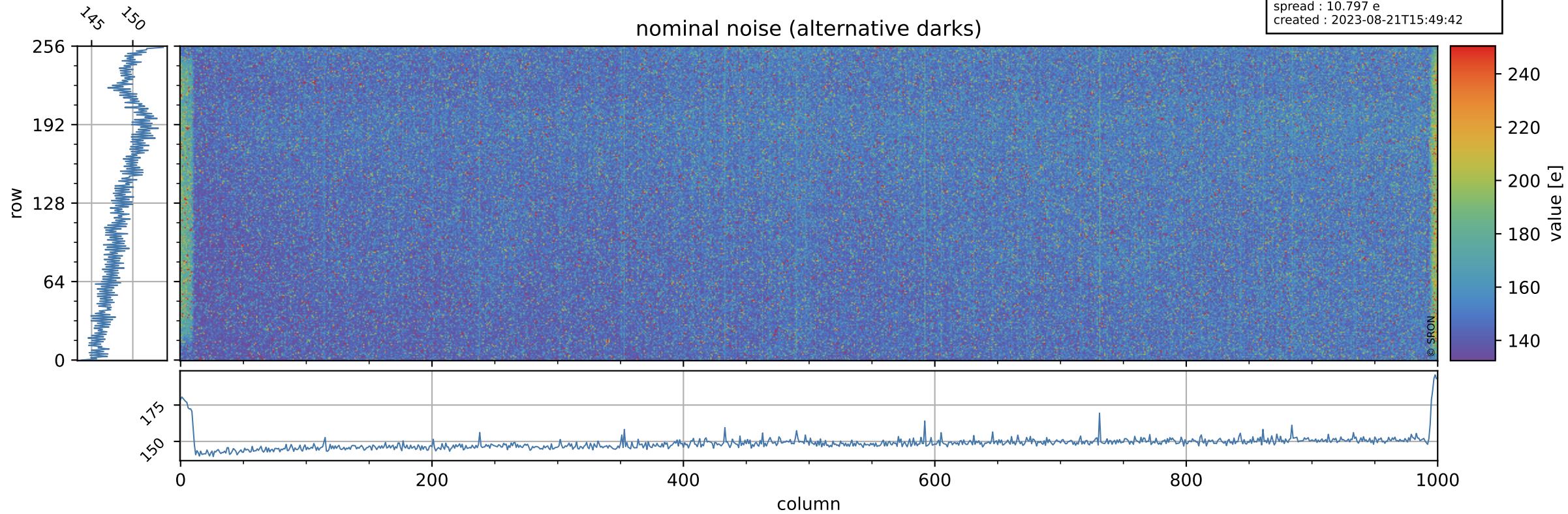


# Tropomi SWIR background noise (swir)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.797 e  
created : 2023-08-21T15:49:42

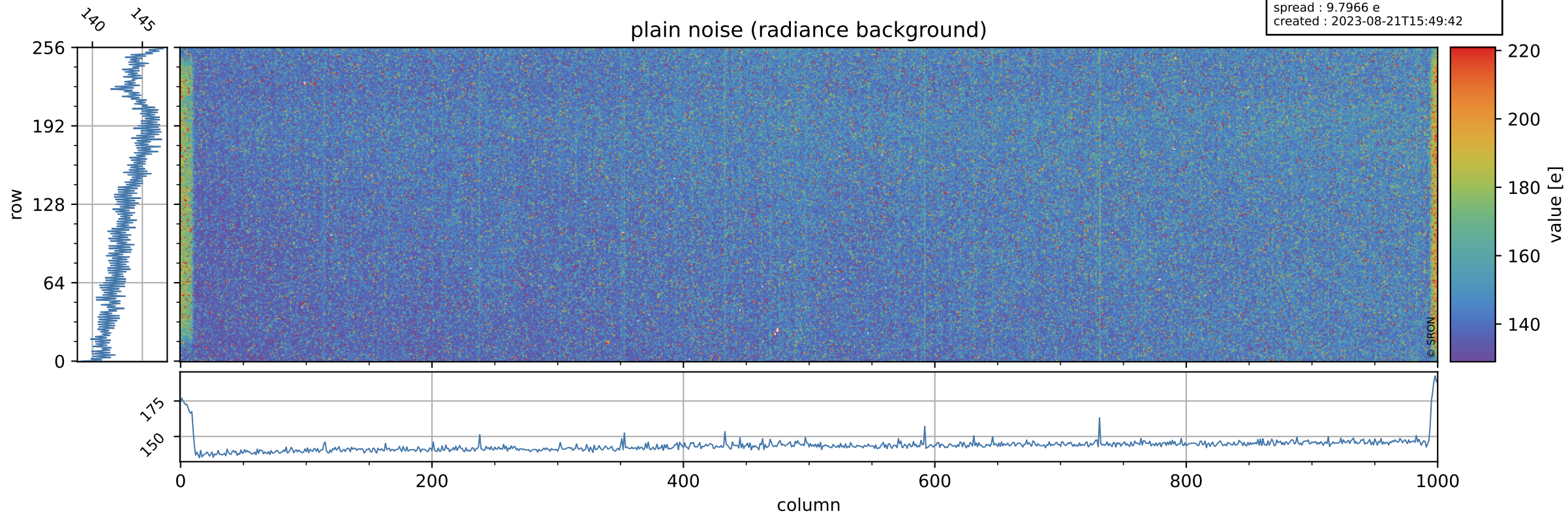
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.43 e  
spread : 9.7966 e  
created : 2023-08-21T15:49:42

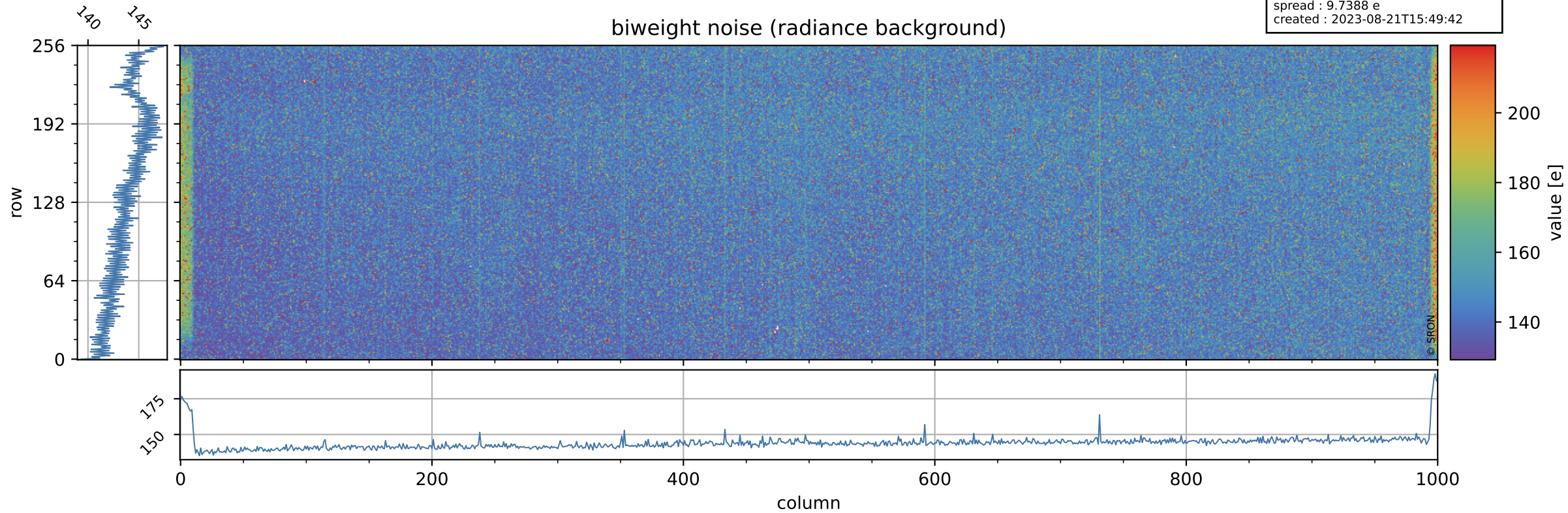
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
n\_coad, t\_exp : 1, 0.8383  
median : 143.75 e  
spread : 9.7388 e  
created : 2023-08-21T15:49:42

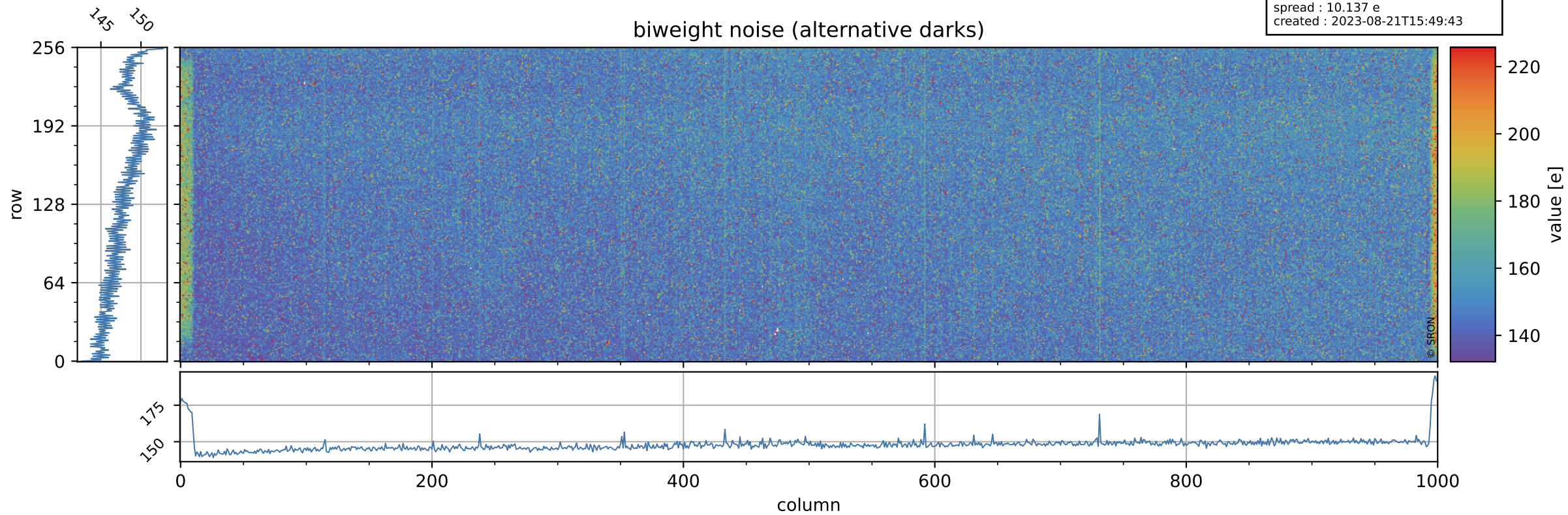
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.137 e  
created : 2023-08-21T15:49:43

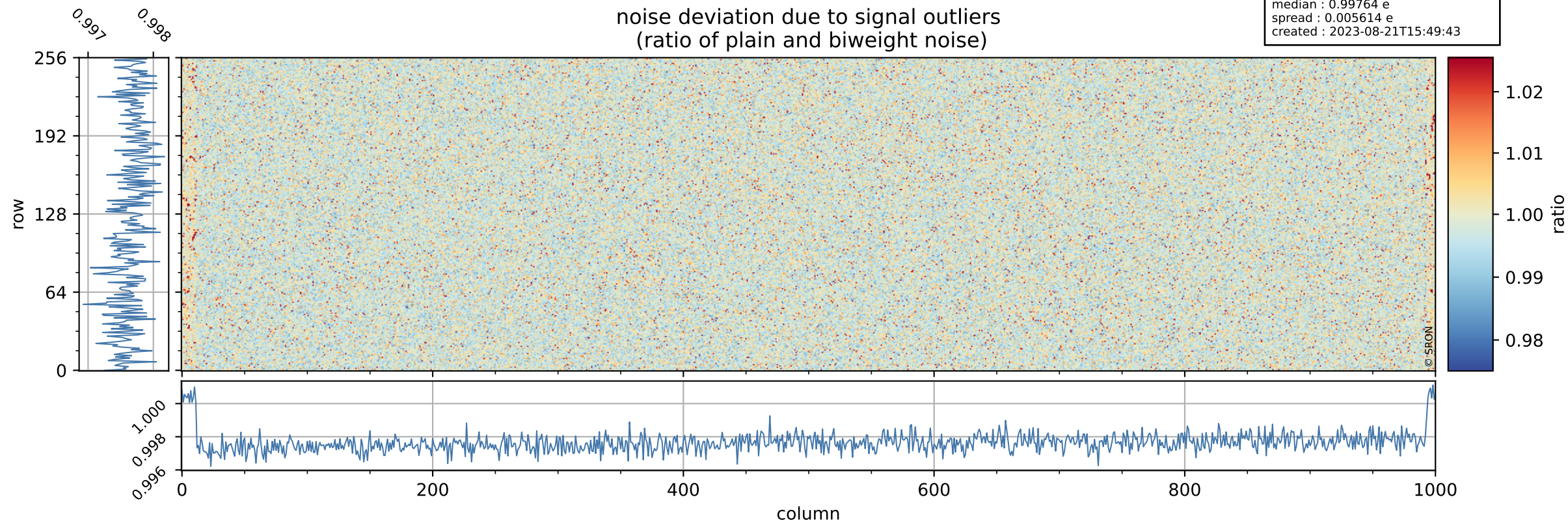
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

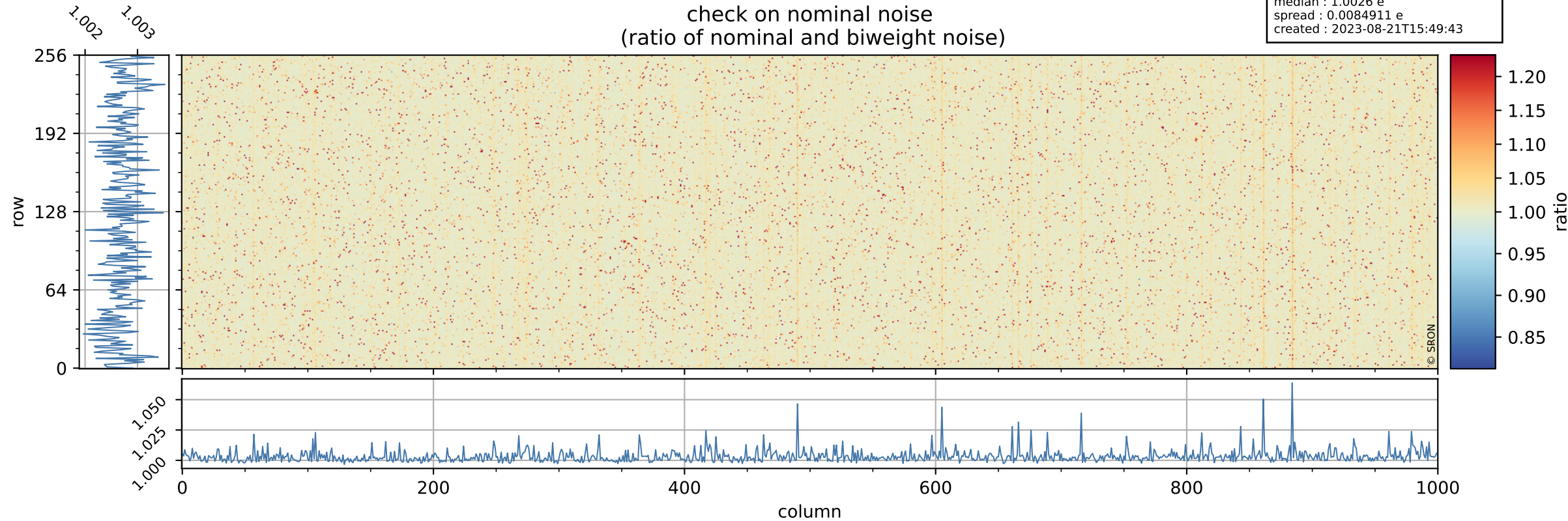
orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
median : 0.99764 e  
spread : 0.005614 e  
created : 2023-08-21T15:49:43



# Tropomi SWIR background noise (swir)

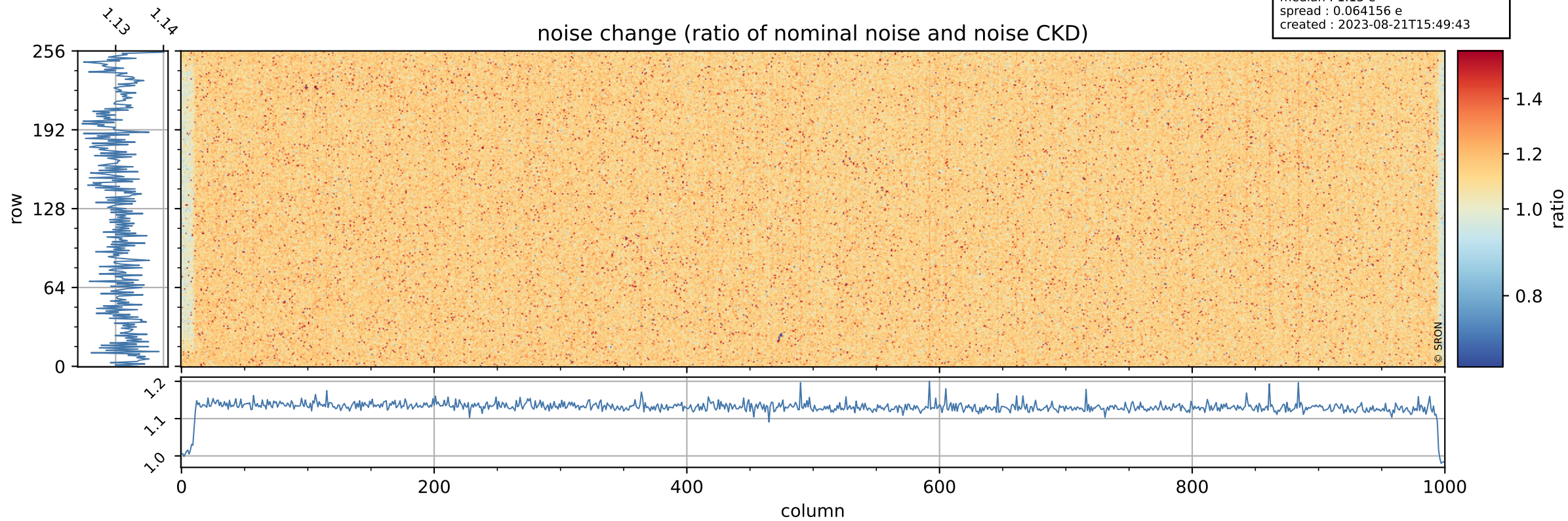
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
median : 1.0026 e  
spread : 0.0084911 e  
created : 2023-08-21T15:49:43



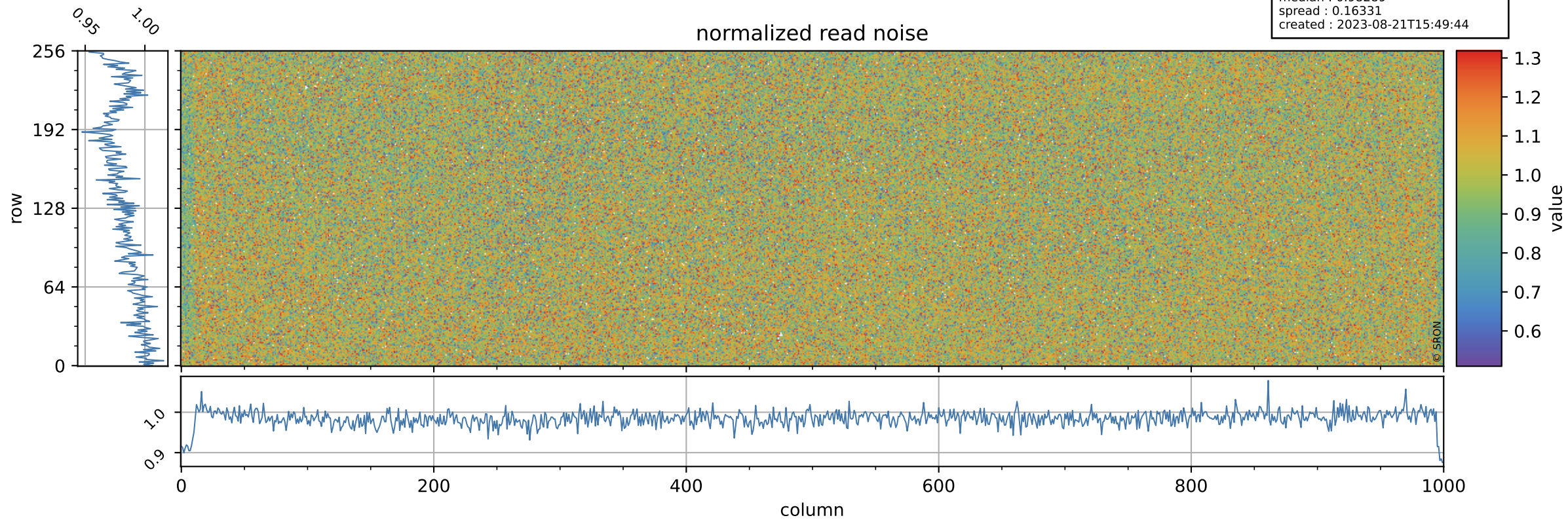
# Tropomi SWIR background noise (swir)

orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
median : 1.13 e  
spread : 0.064156 e  
created : 2023-08-21T15:49:43



# Tropomi SWIR background noise (swir)

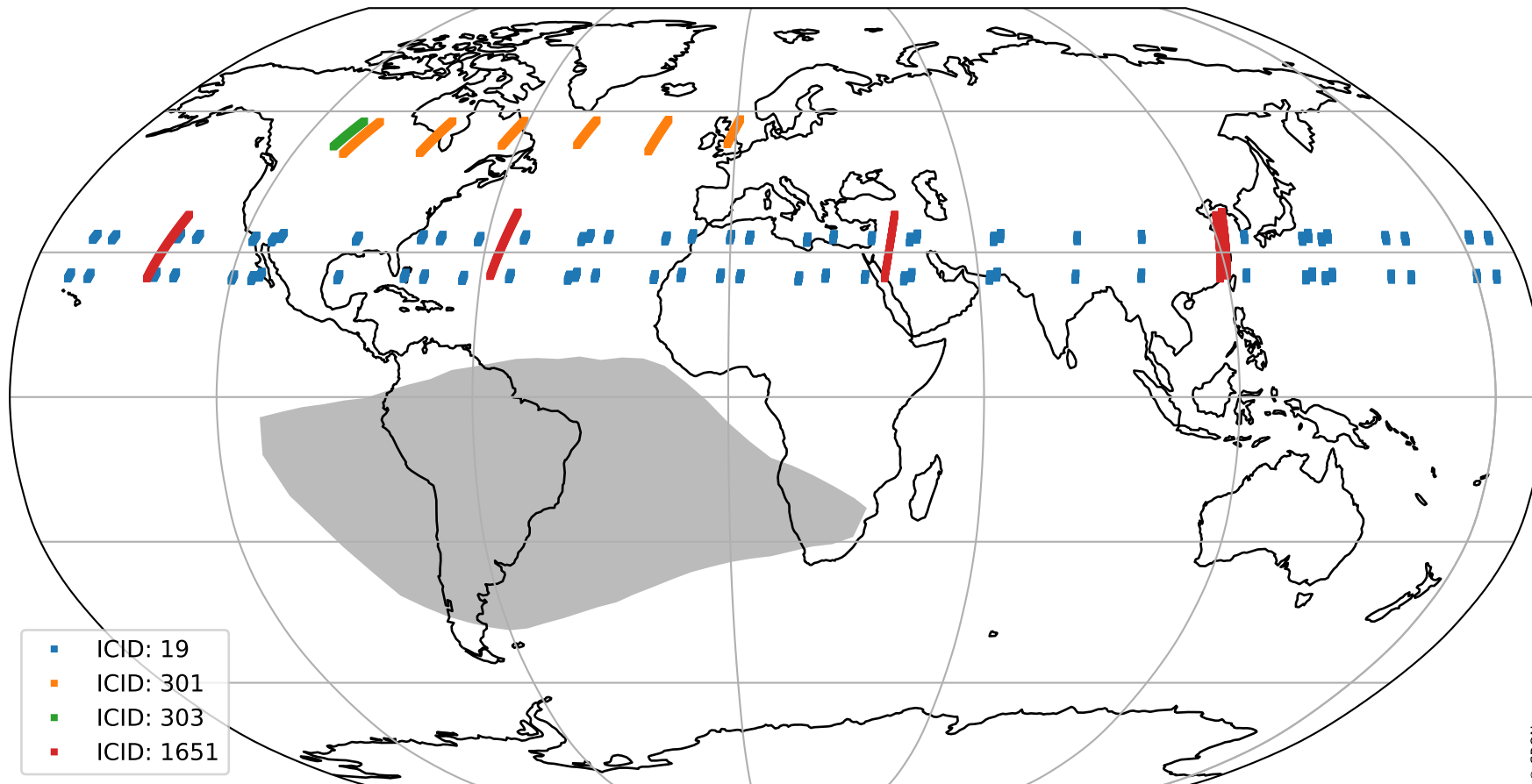
orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
median : 0.98289  
spread : 0.16331  
created : 2023-08-21T15:49:44





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

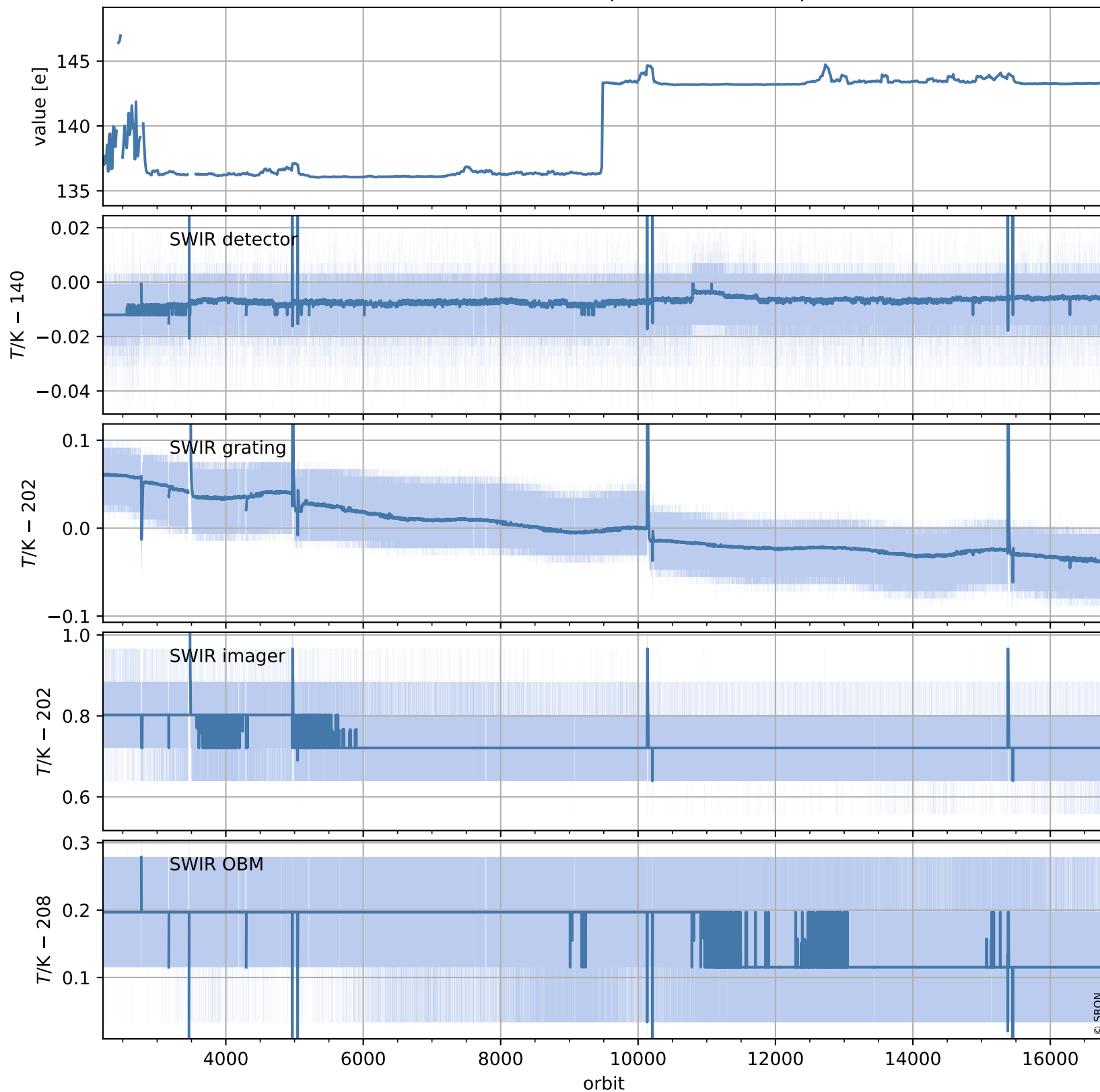
orbits : 12 in [16702, 16792]  
coverage : 2021-01-03 / 2021-01-08  
created : 2023-08-21T15:49:44



# Tropomi SWIR background noise (swir)

orbits : [2212, 16792]  
coverage : 2018-03-18 / 2021-01-08  
created : 2023-08-21T15:49:44

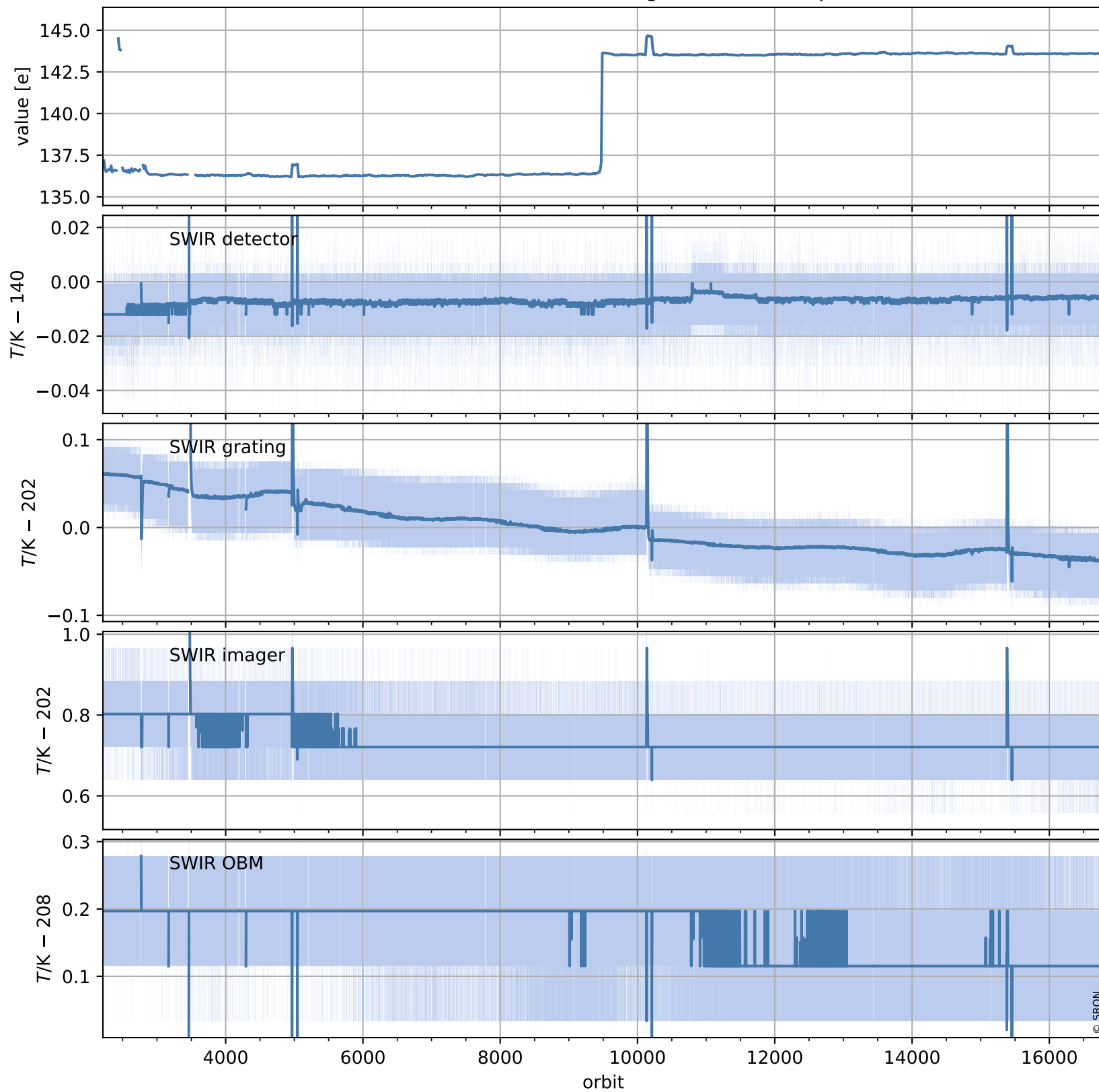
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16792]  
coverage : 2018-03-18 / 2021-01-08  
created : 2023-08-21T15:49:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16792]  
coverage : 2018-03-18 / 2021-01-08  
created : 2023-08-21T15:49:46

## trend of normalized read-noise & temperatures

