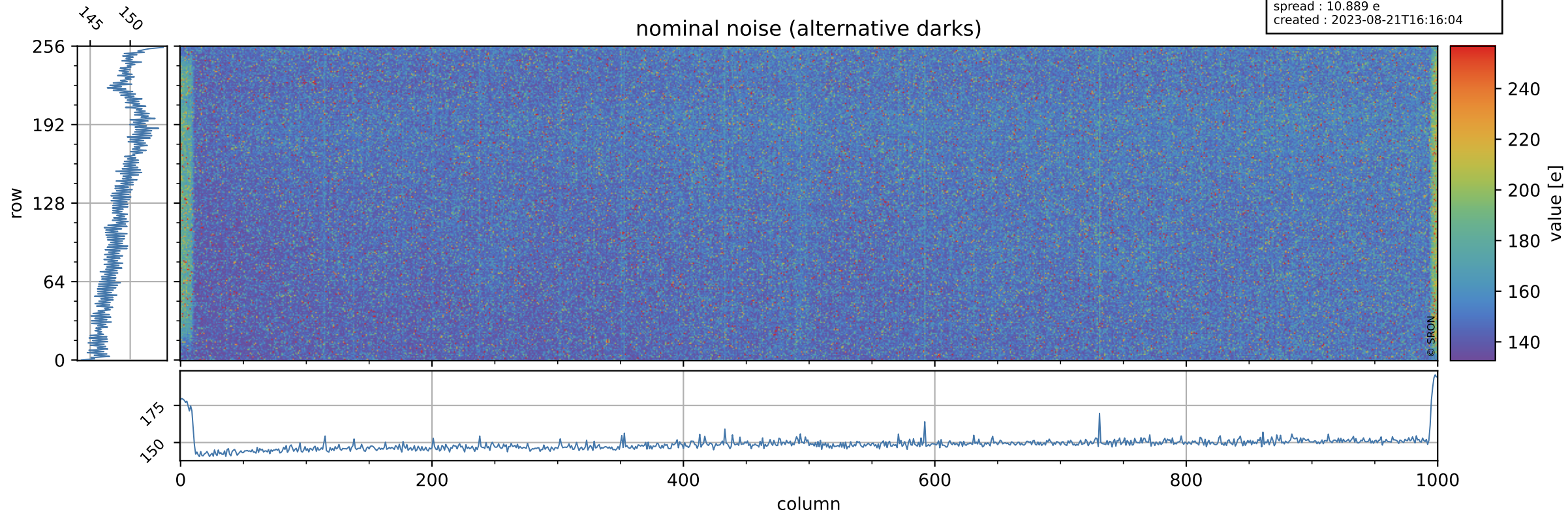


# Tropomi SWIR background noise (swir)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
n\_coad, t\_exp : 1, 1.0783  
median : 148.78 e  
spread : 10.889 e  
created : 2023-08-21T16:16:04

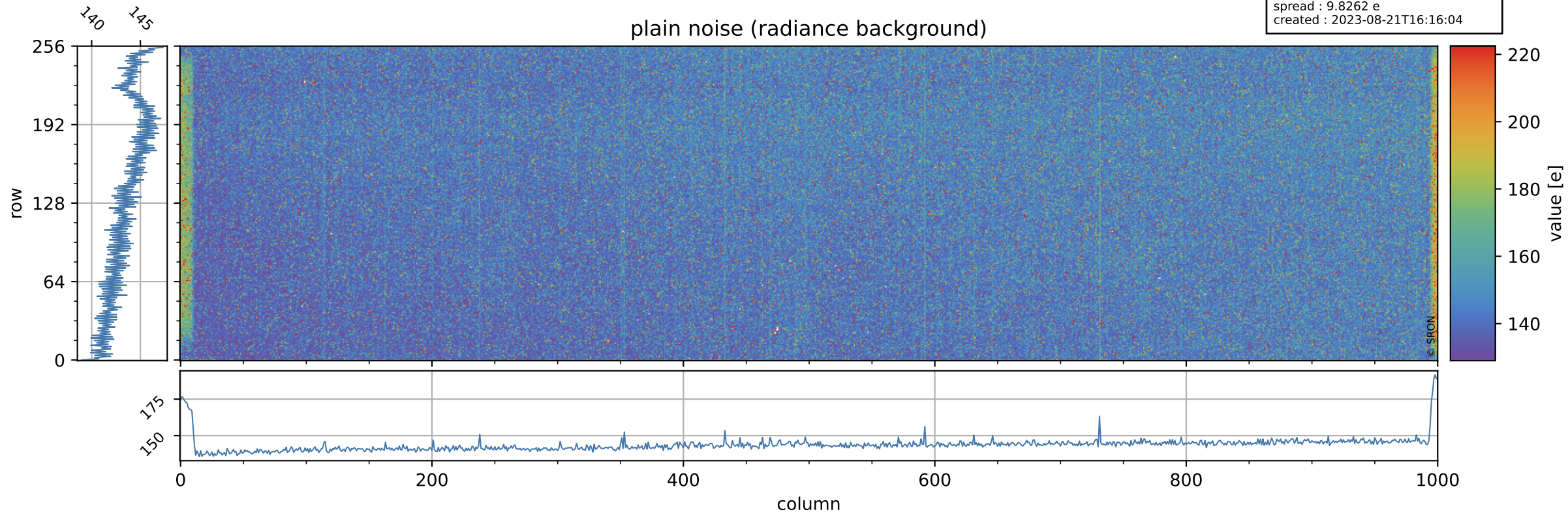
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.46 e  
spread : 9.8262 e  
created : 2023-08-21T16:16:04

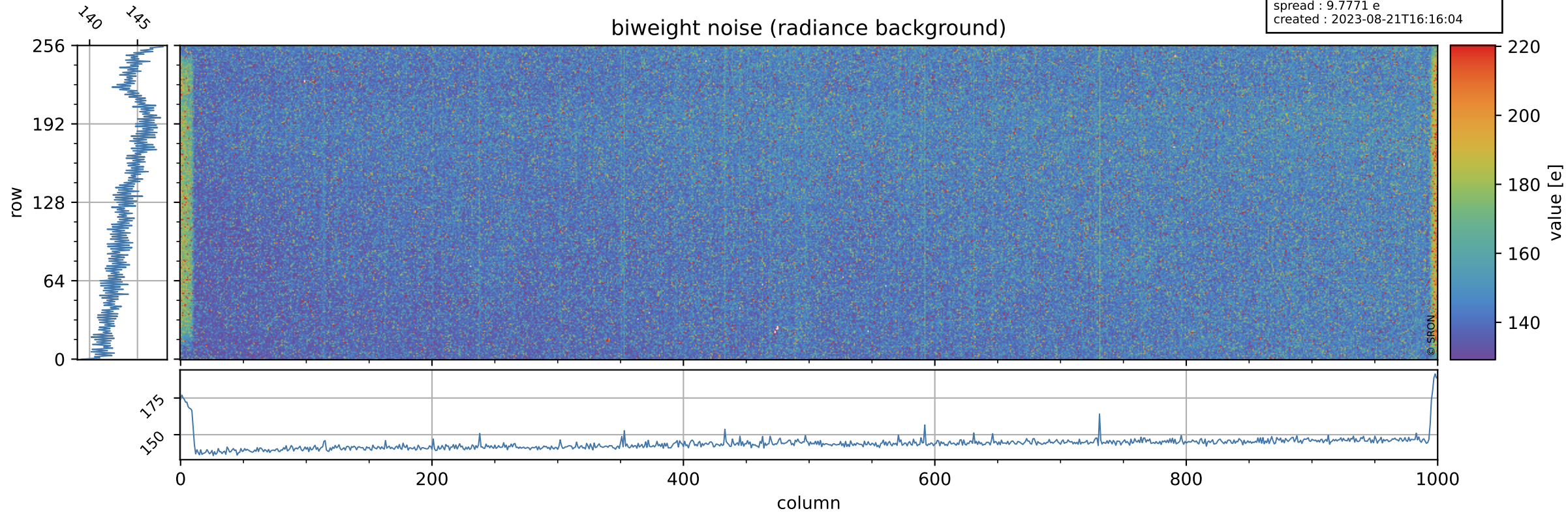
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
n\_coad, t\_exp : 1, 0.8383  
median : 143.78 e  
spread : 9.7771 e  
created : 2023-08-21T16:16:04

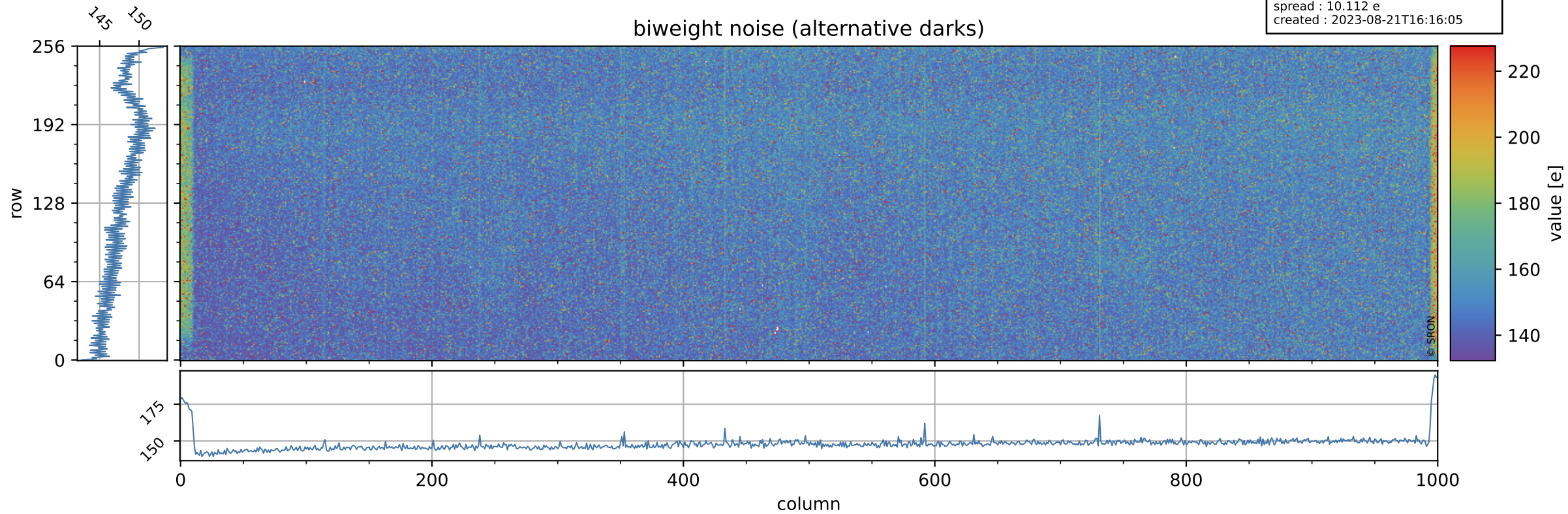
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
n\_coad, t\_exp : 1, 1.0783  
median : 147.76 e  
spread : 10.112 e  
created : 2023-08-21T16:16:05

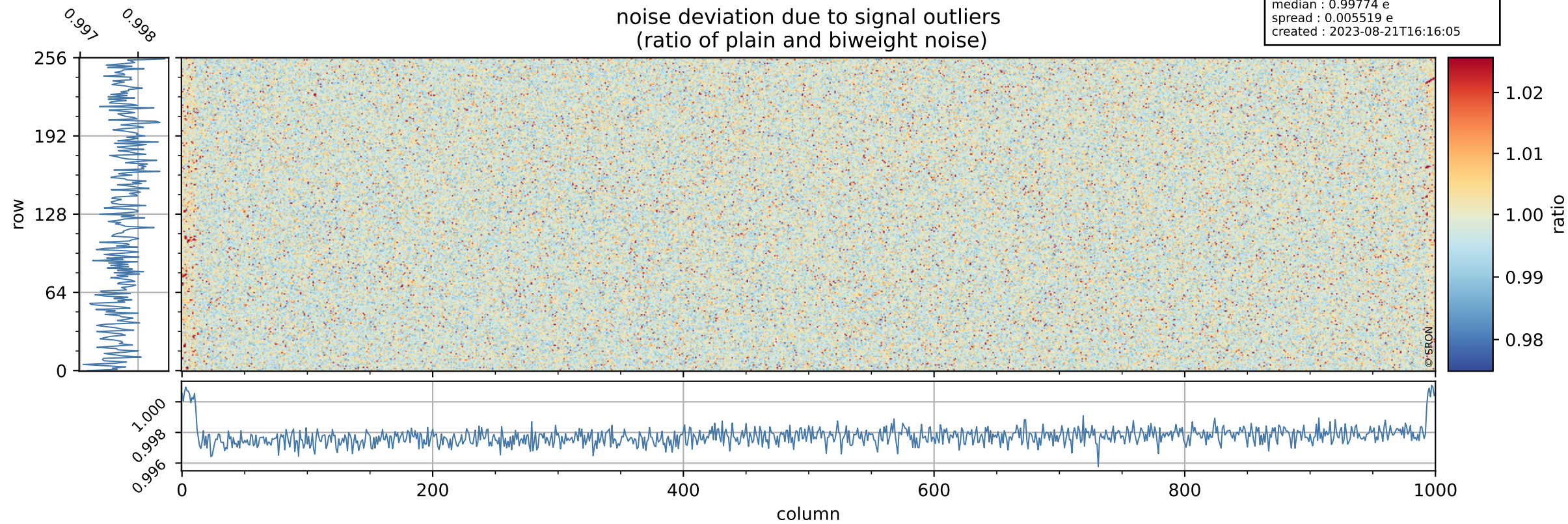
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

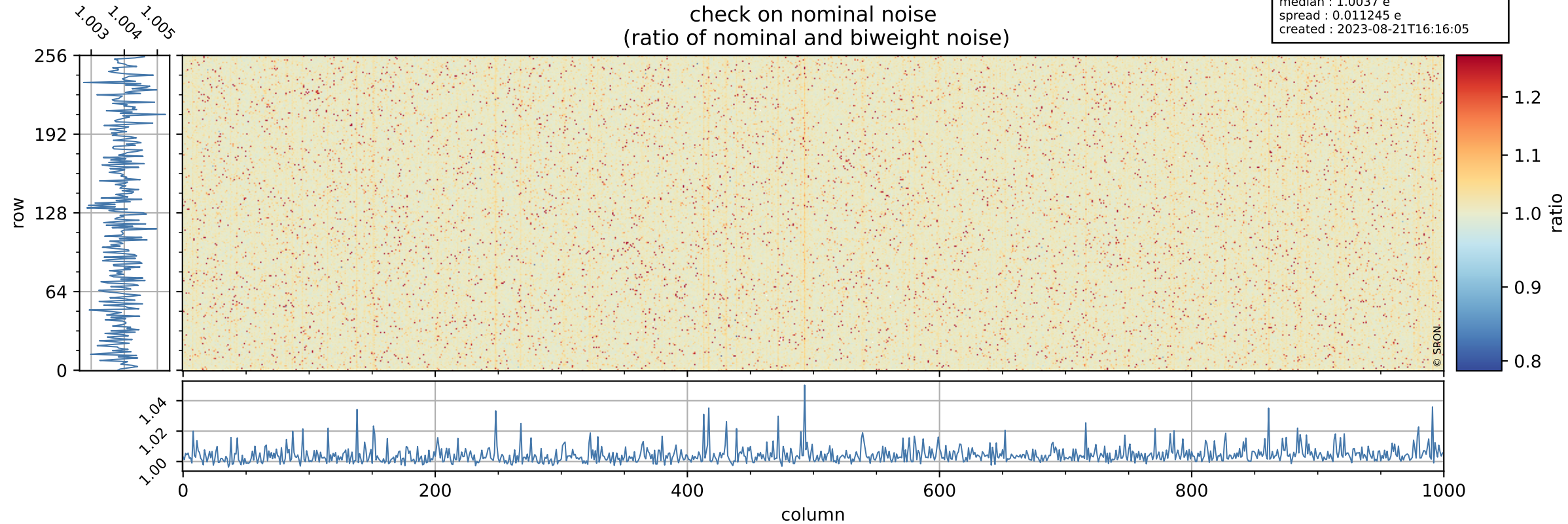
orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
median : 0.99774 e  
spread : 0.005519 e  
created : 2023-08-21T16:16:05



# Tropomi SWIR background noise (swir)

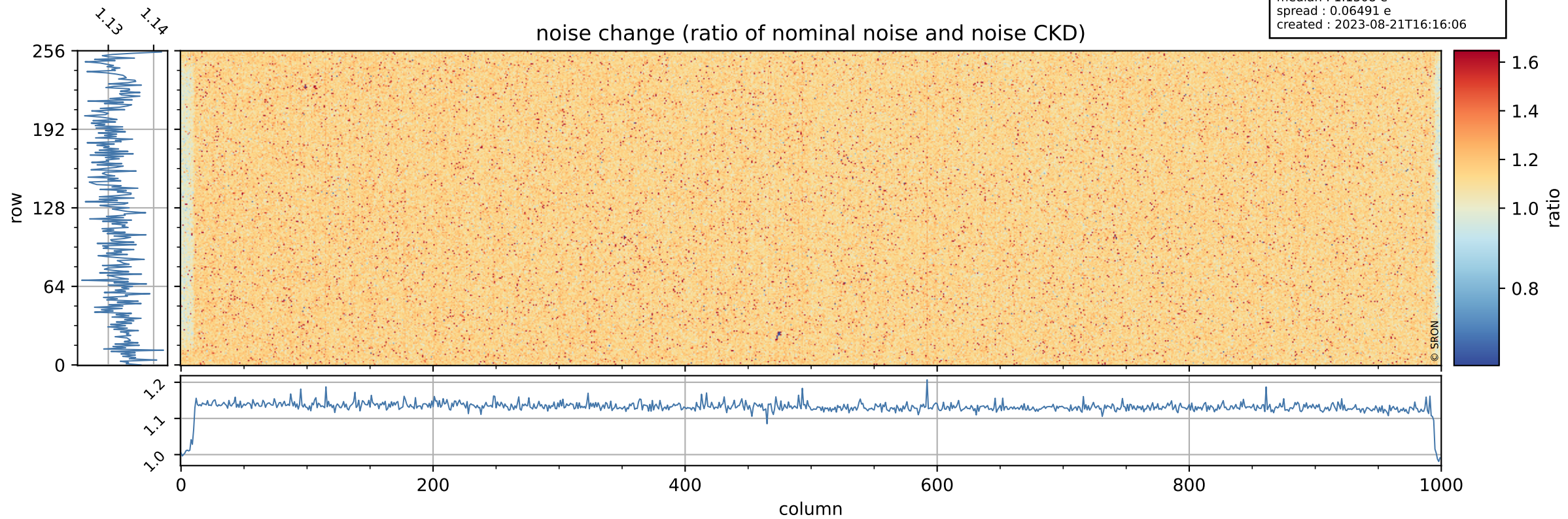
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
median : 1.0037 e  
spread : 0.011245 e  
created : 2023-08-21T16:16:05



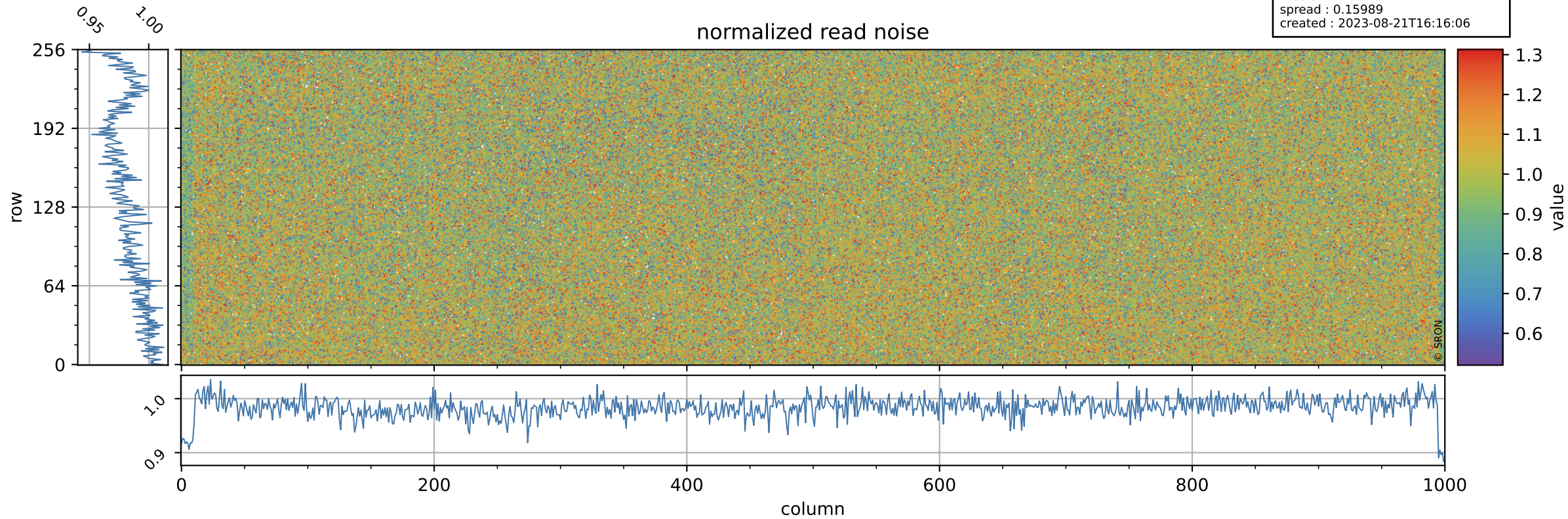
# Tropomi SWIR background noise (swir)

orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
median : 1.1308 e  
spread : 0.06491 e  
created : 2023-08-21T16:16:06



# Tropomi SWIR background noise (swir)

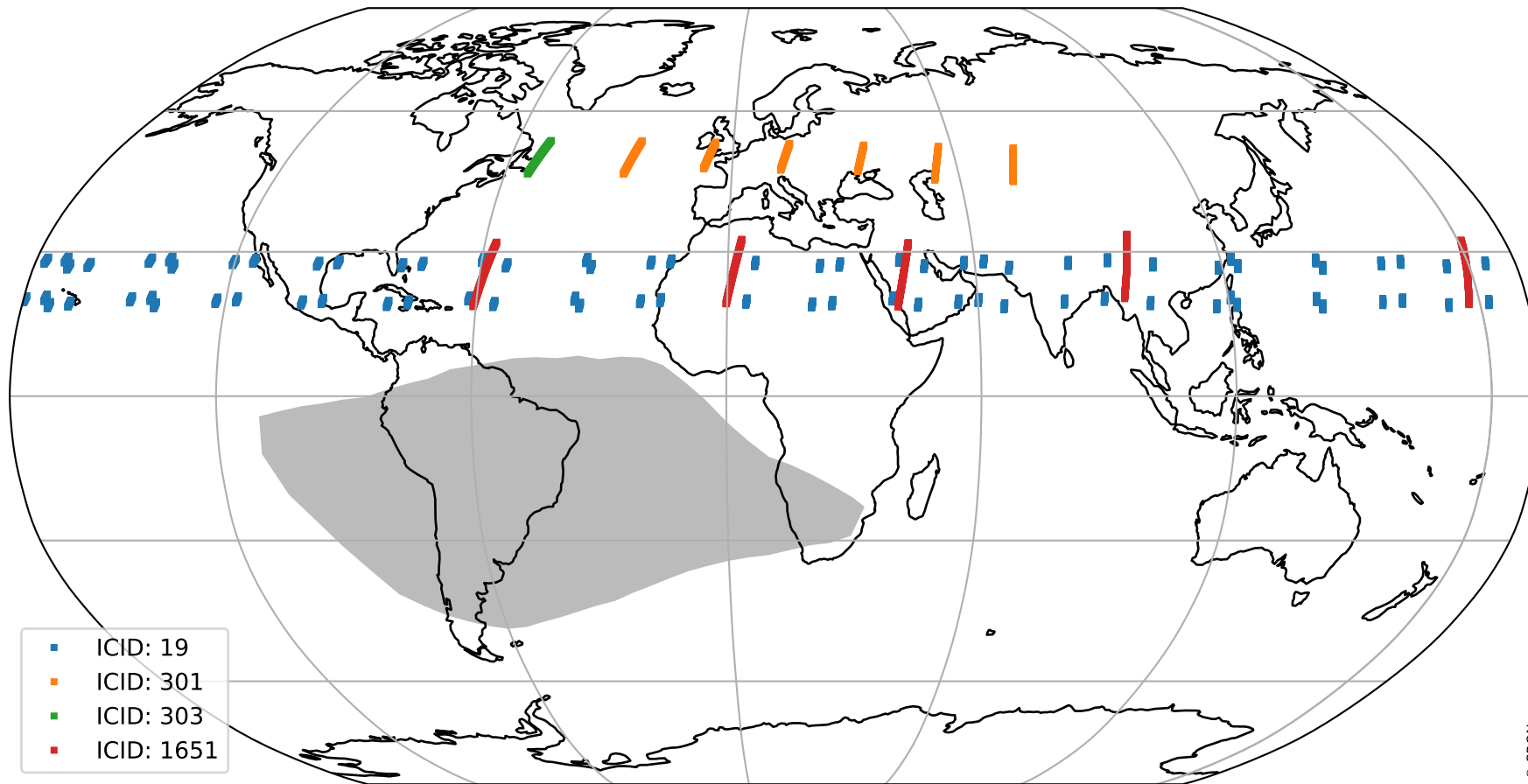
orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
median : 0.98261  
spread : 0.15989  
created : 2023-08-21T16:16:06





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

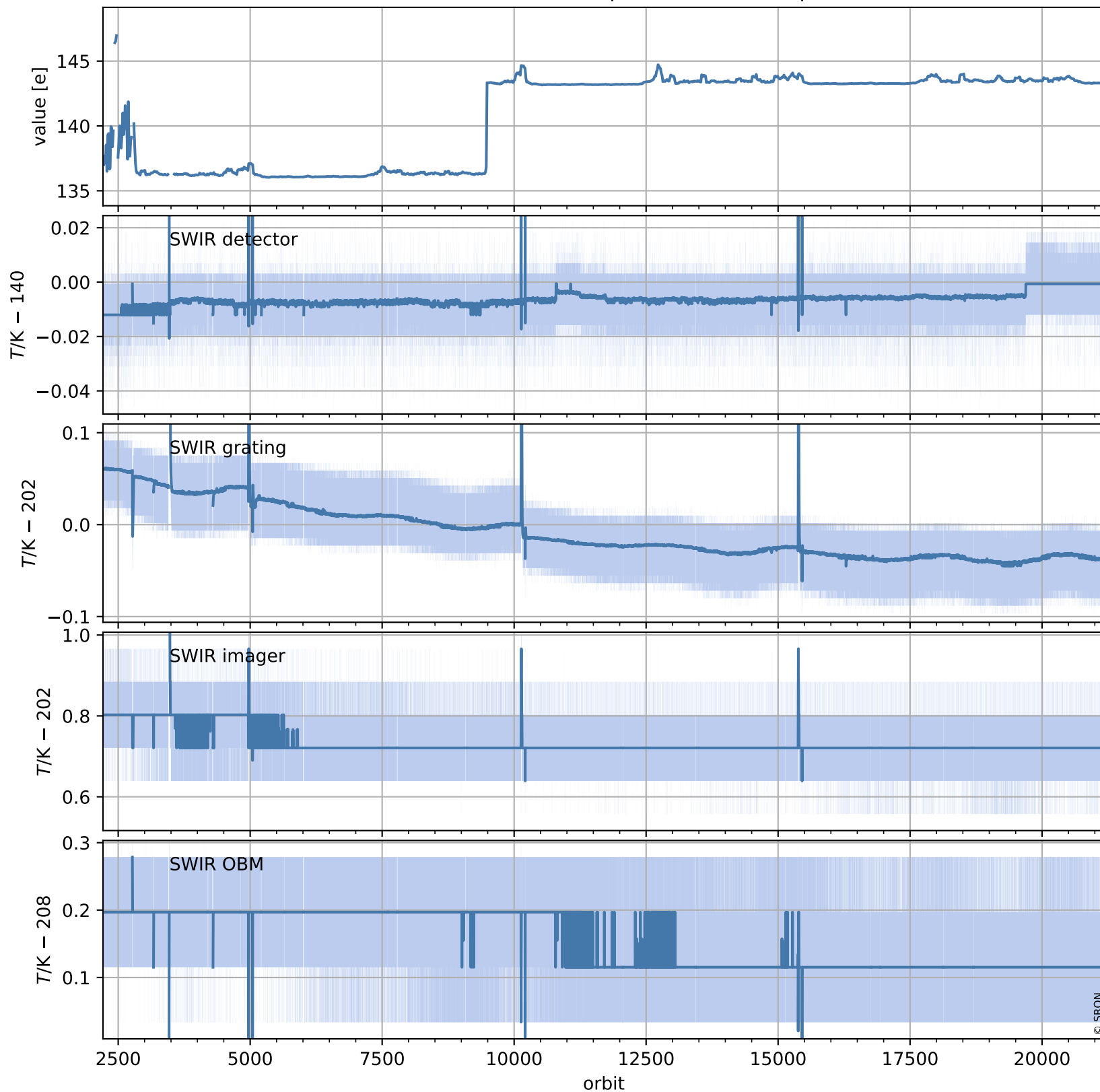
orbits : 12 in [21097, 21187]  
coverage : 2021-11-08 / 2021-11-14  
created : 2023-08-21T16:16:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 21187]  
coverage : 2018-03-18 / 2021-11-14  
created : 2023-08-21T16:16:07

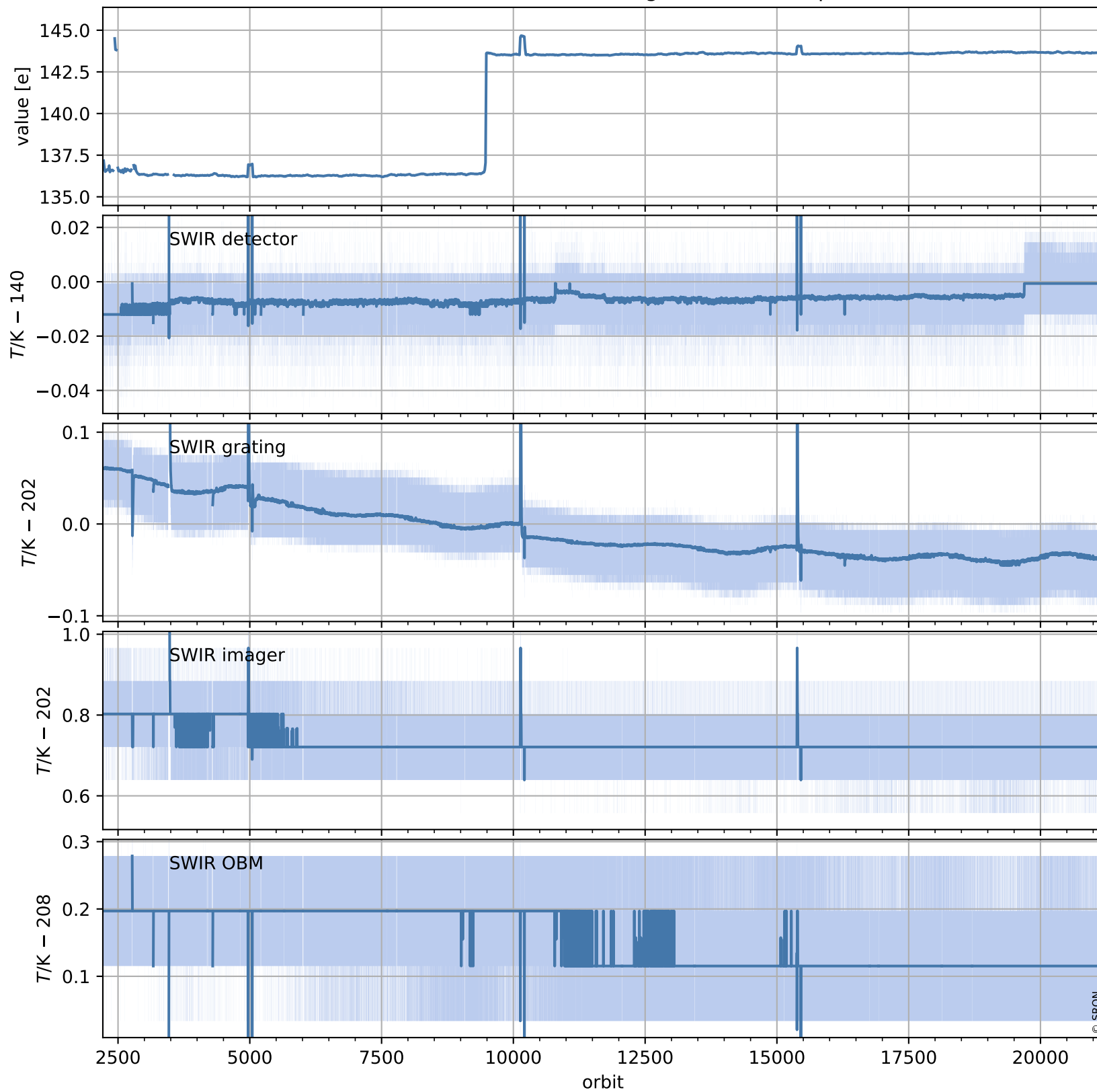
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21187]  
coverage : 2018-03-18 / 2021-11-14  
created : 2023-08-21T16:16:07

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 21187]  
coverage : 2018-03-18 / 2021-11-14  
created : 2023-08-21T16:16:08

## trend of normalized read-noise & temperatures

