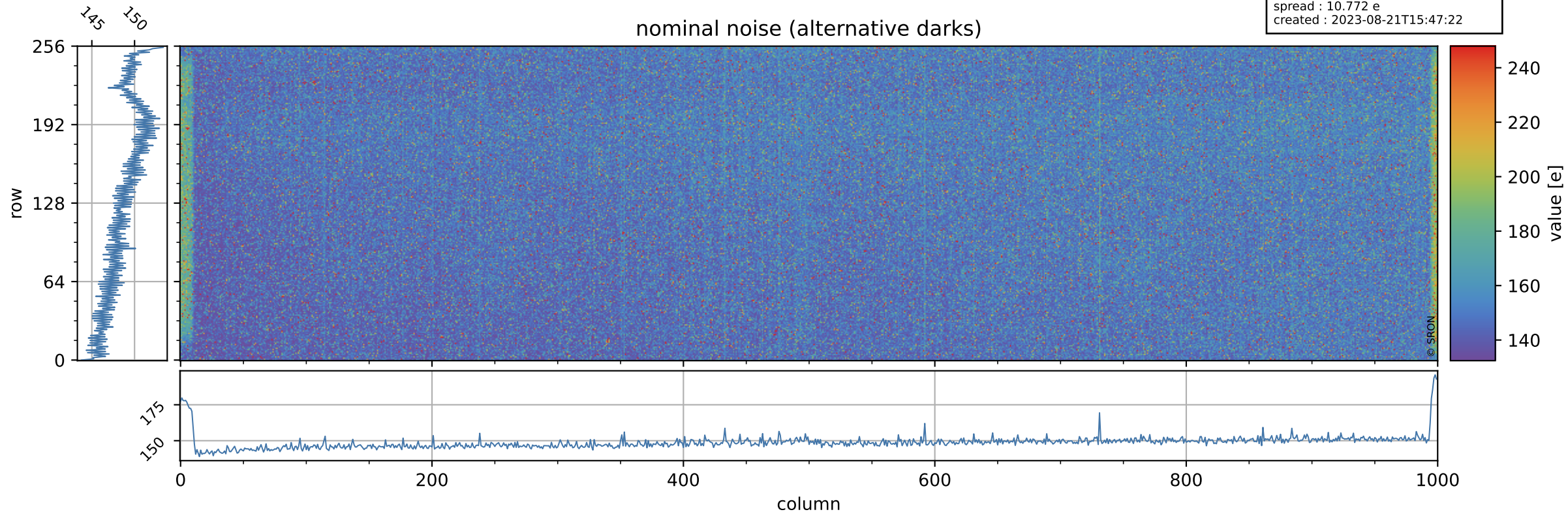


# Tropomi SWIR background noise (swir)

orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
n\_coad, t\_exp : 1, 1.0783  
median : 148.61 e  
spread : 10.772 e  
created : 2023-08-21T15:47:22

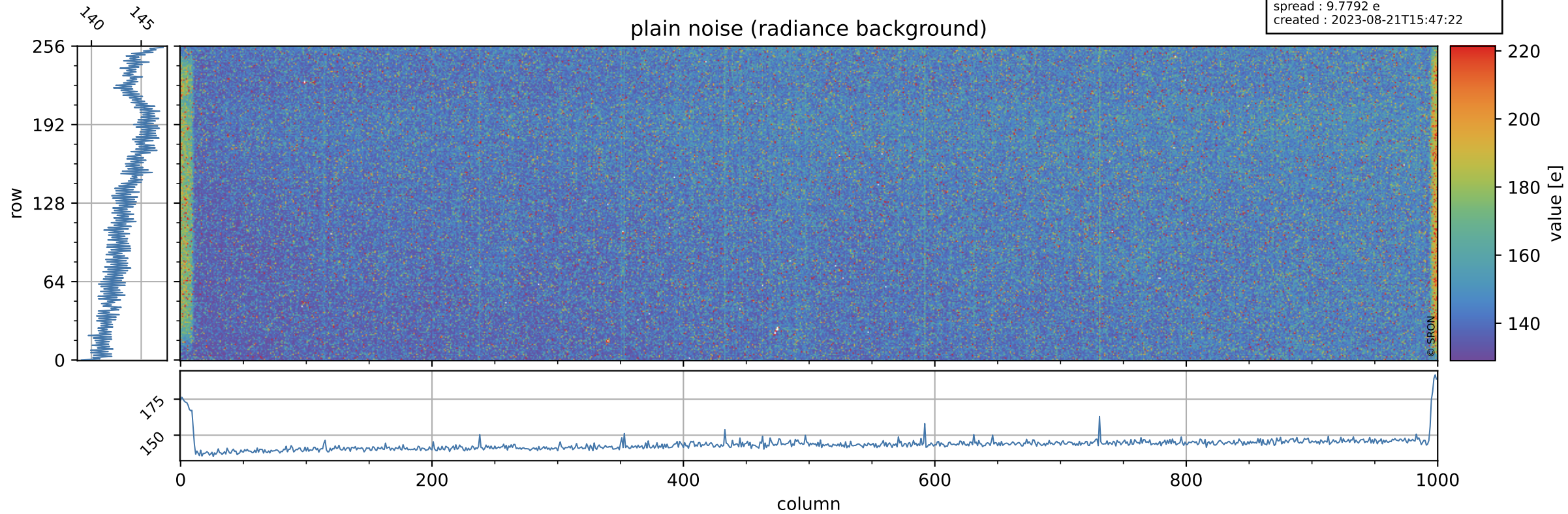
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.42 e  
spread : 9.7792 e  
created : 2023-08-21T15:47:22

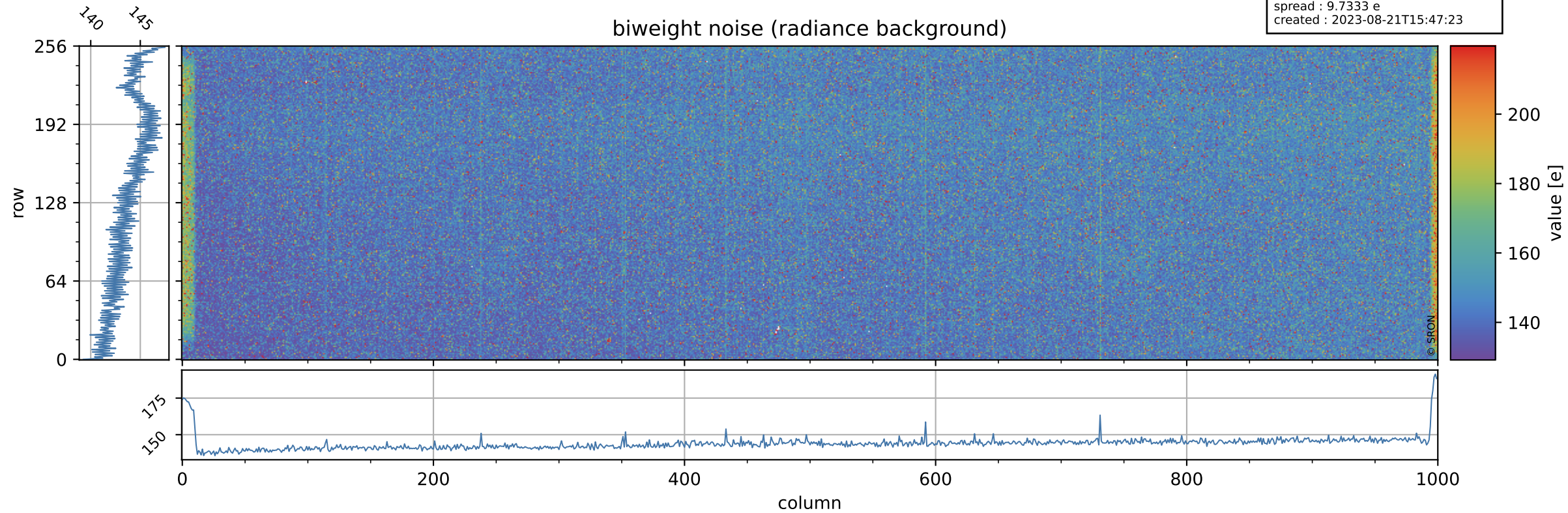
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7333 e  
created : 2023-08-21T15:47:23

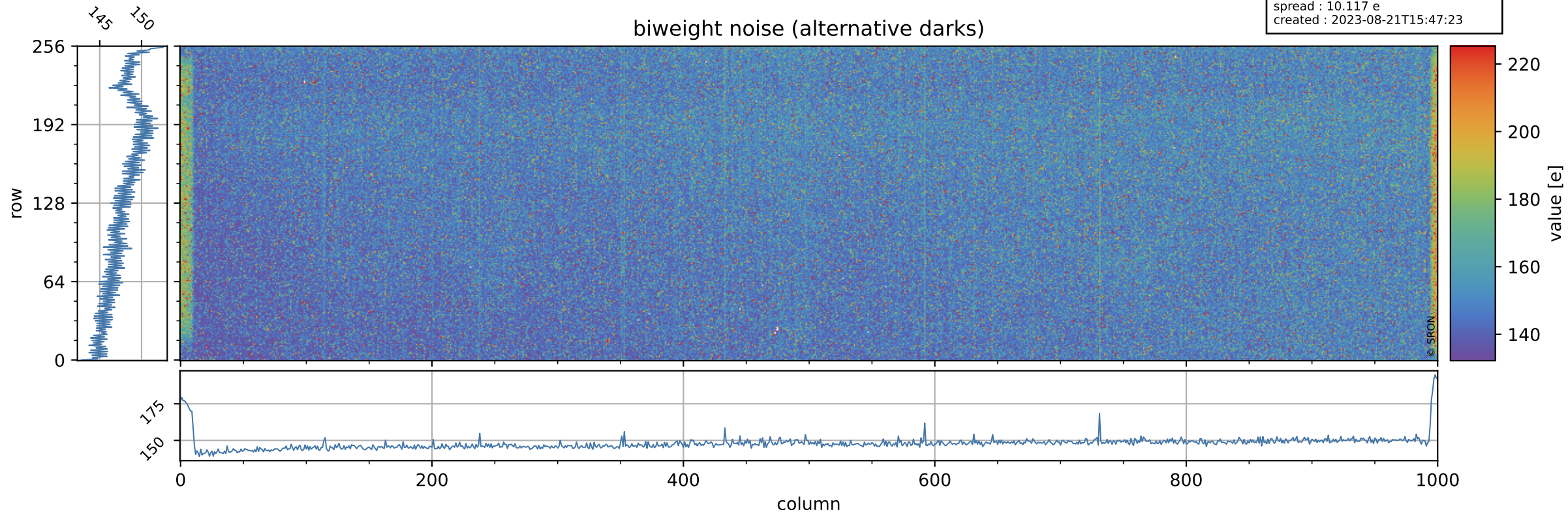
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
n\_coad, t\_exp : 1, 1.0783  
median : 147.73 e  
spread : 10.117 e  
created : 2023-08-21T15:47:23

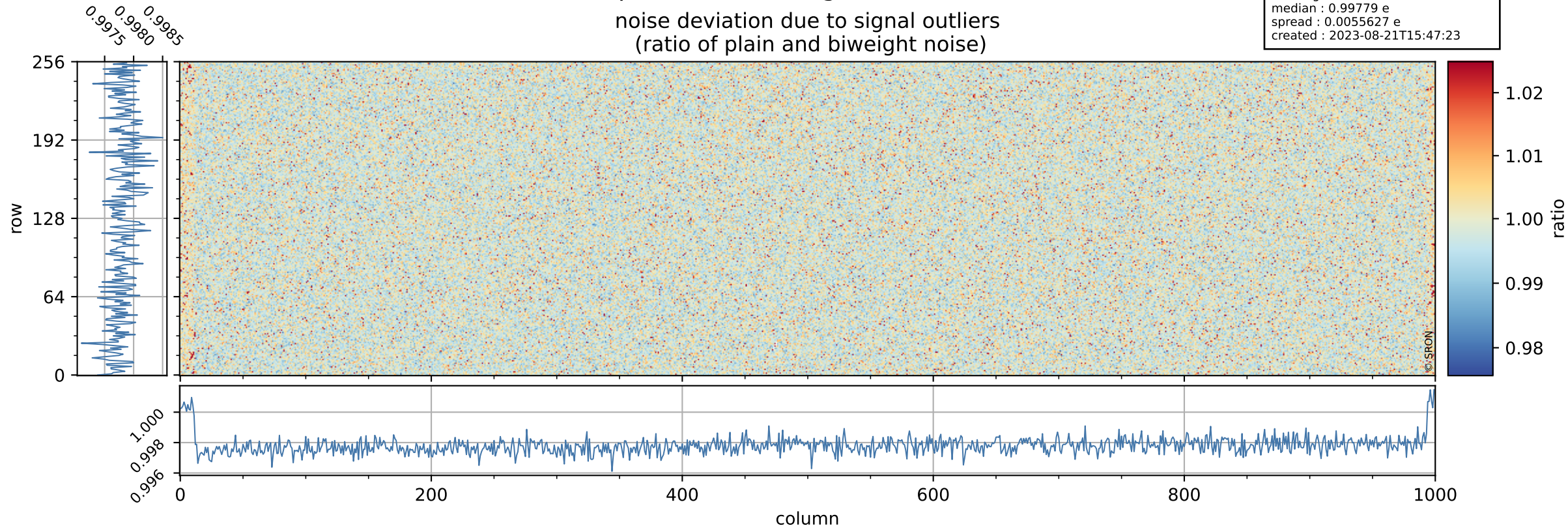
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

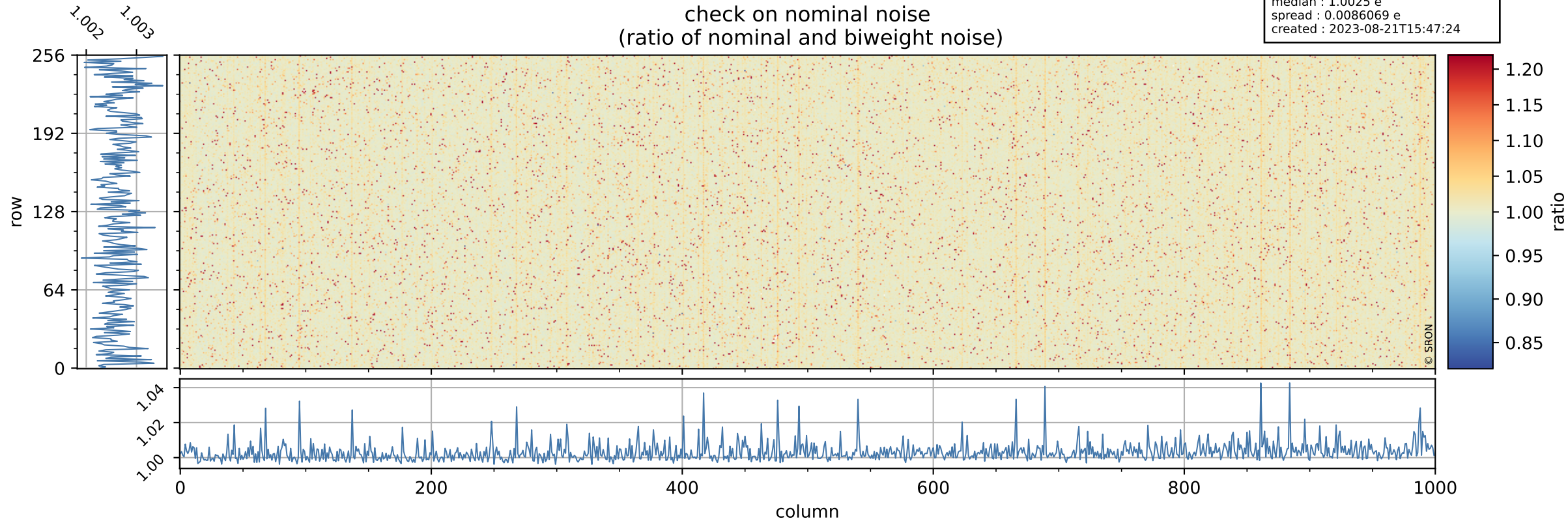
orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
median : 0.99779 e  
spread : 0.0055627 e  
created : 2023-08-21T15:47:23



# Tropomi SWIR background noise (swir)

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

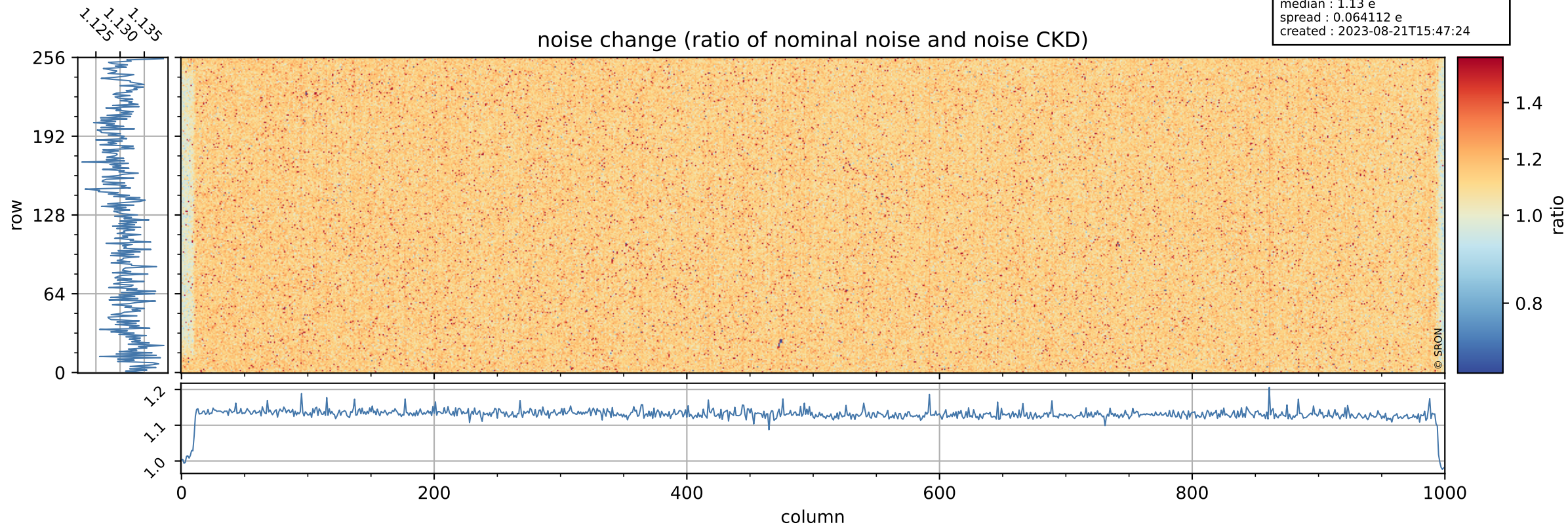
orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
median : 1.0025 e  
spread : 0.0086069 e  
created : 2023-08-21T15:47:24



# Tropomi SWIR background noise (swir)

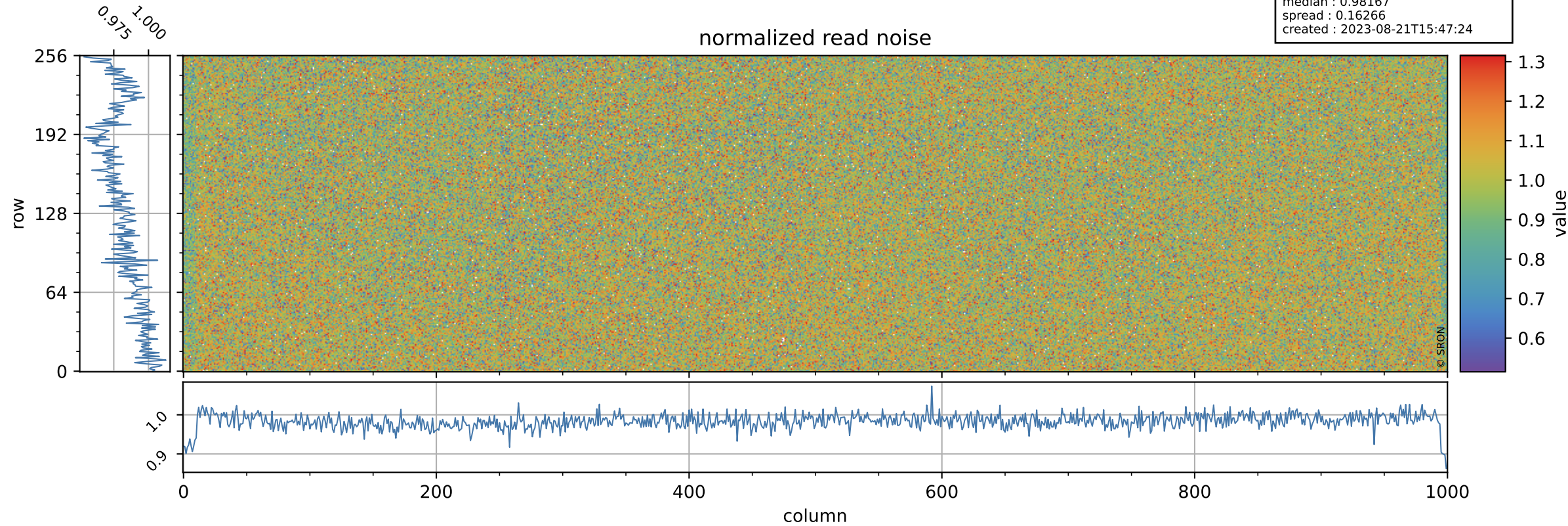
orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
median : 1.13 e  
spread : 0.064112 e  
created : 2023-08-21T15:47:24

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

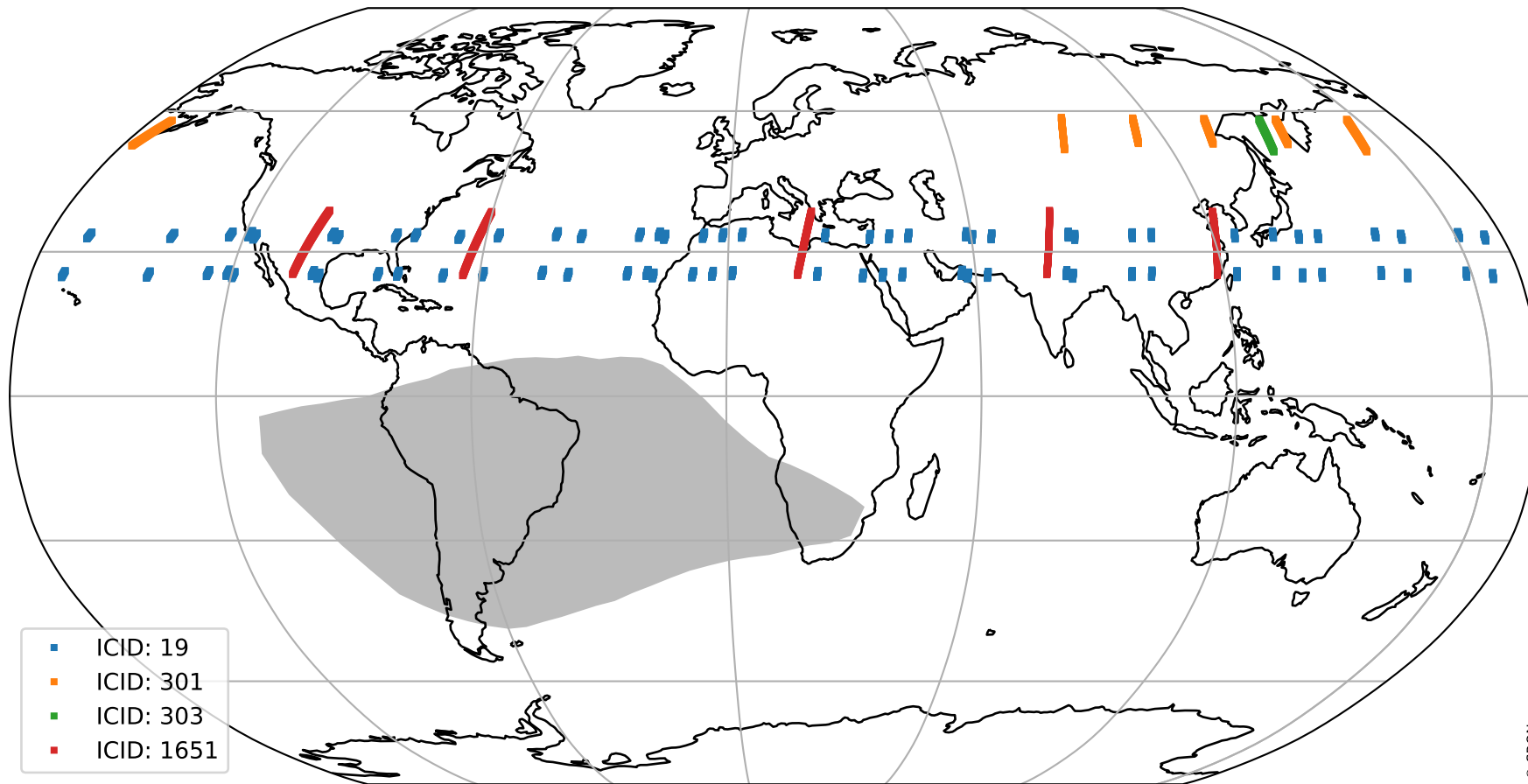
orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
median : 0.98167  
spread : 0.16266  
created : 2023-08-21T15:47:24





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

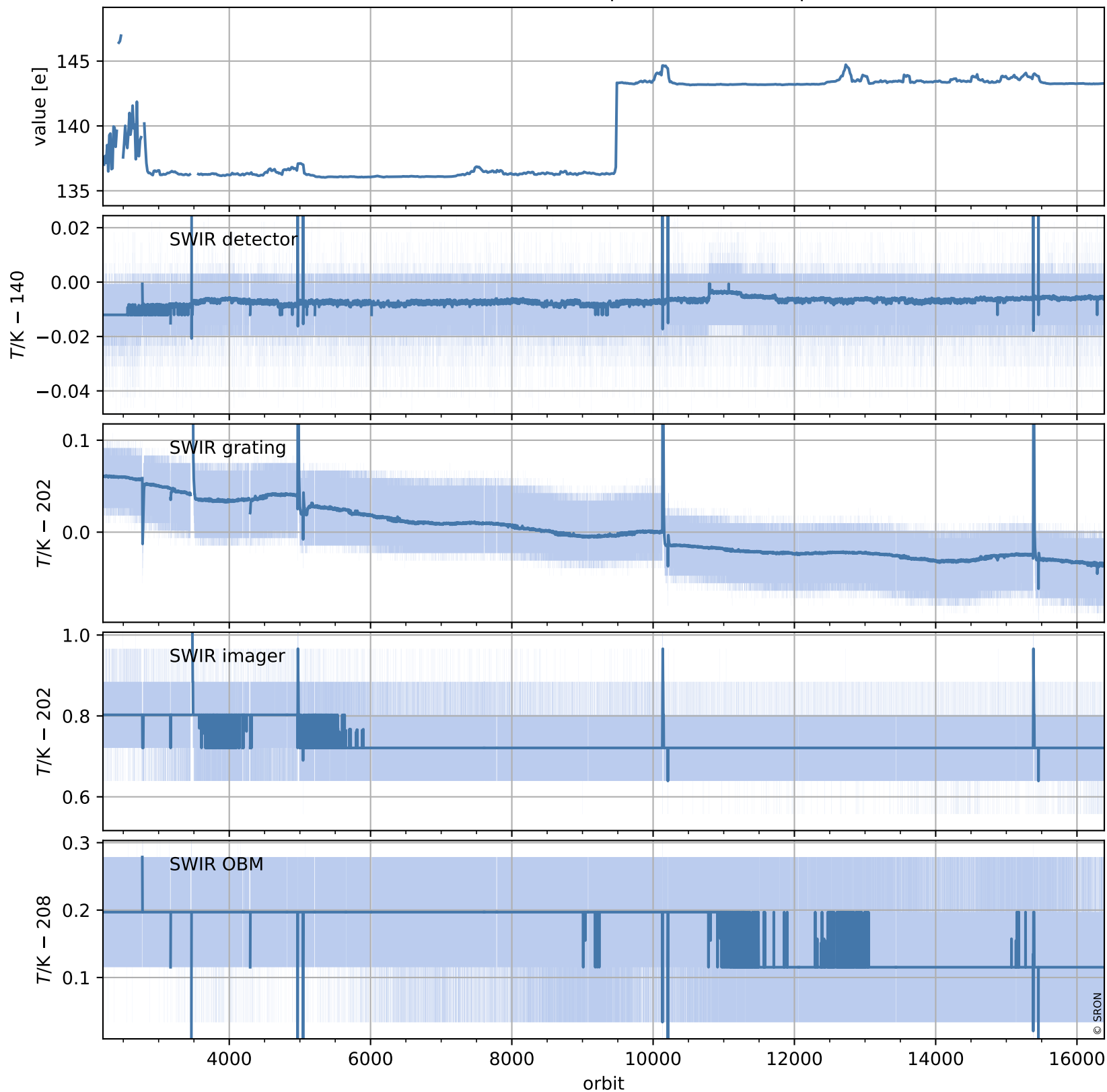
orbits : 12 in [16312, 16387]  
coverage : 2020-12-05 / 2020-12-10  
created : 2023-08-21T15:47:24



# Tropomi SWIR background noise (swir)

orbits : [2212, 16387]  
coverage : 2018-03-18 / 2020-12-10  
created : 2023-08-21T15:47:25

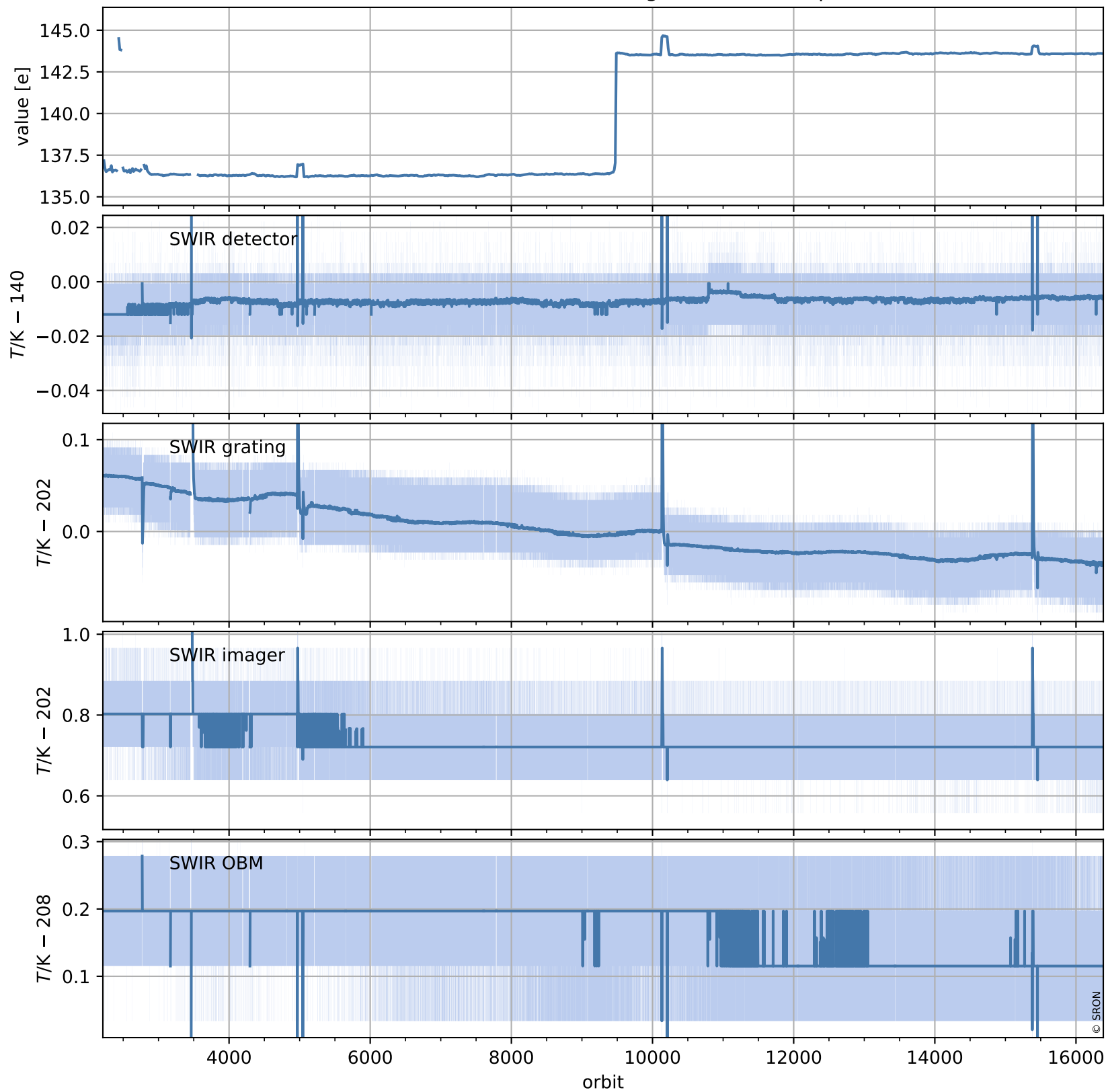
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16387]  
coverage : 2018-03-18 / 2020-12-10  
created : 2023-08-21T15:47:25

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 16387]  
coverage : 2018-03-18 / 2020-12-10  
created : 2023-08-21T15:47:26

## trend of normalized read-noise & temperatures

