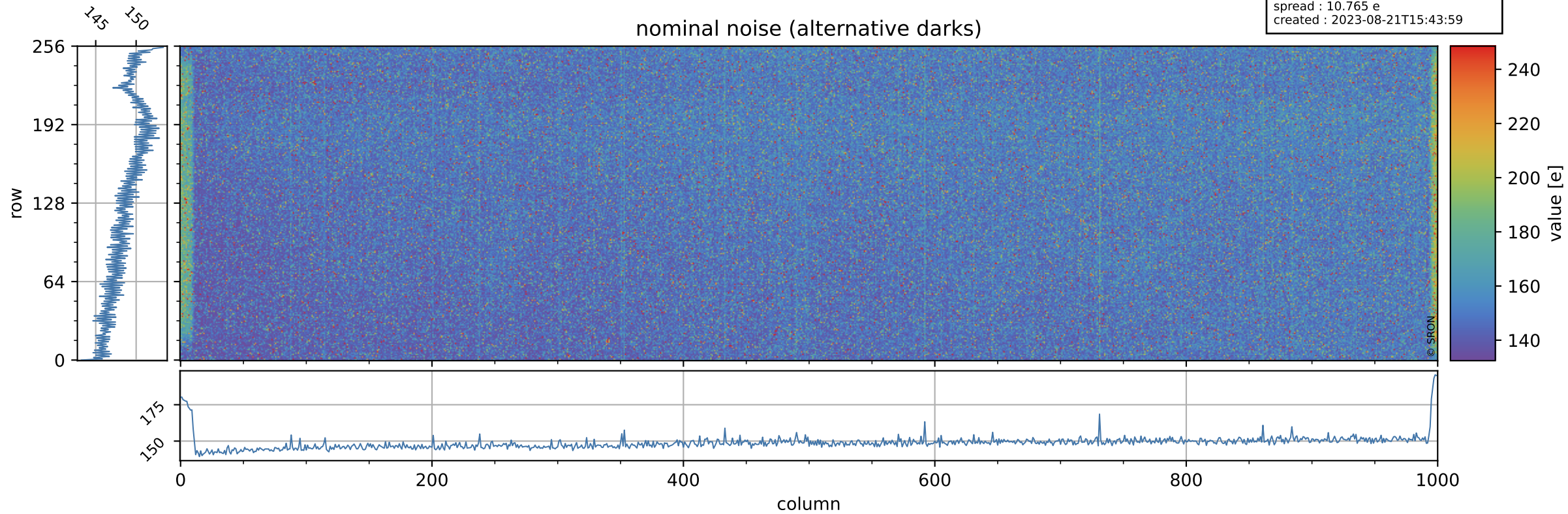


# Tropomi SWIR background noise (swir)

orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.65 e  
spread : 10.765 e  
created : 2023-08-21T15:43:59

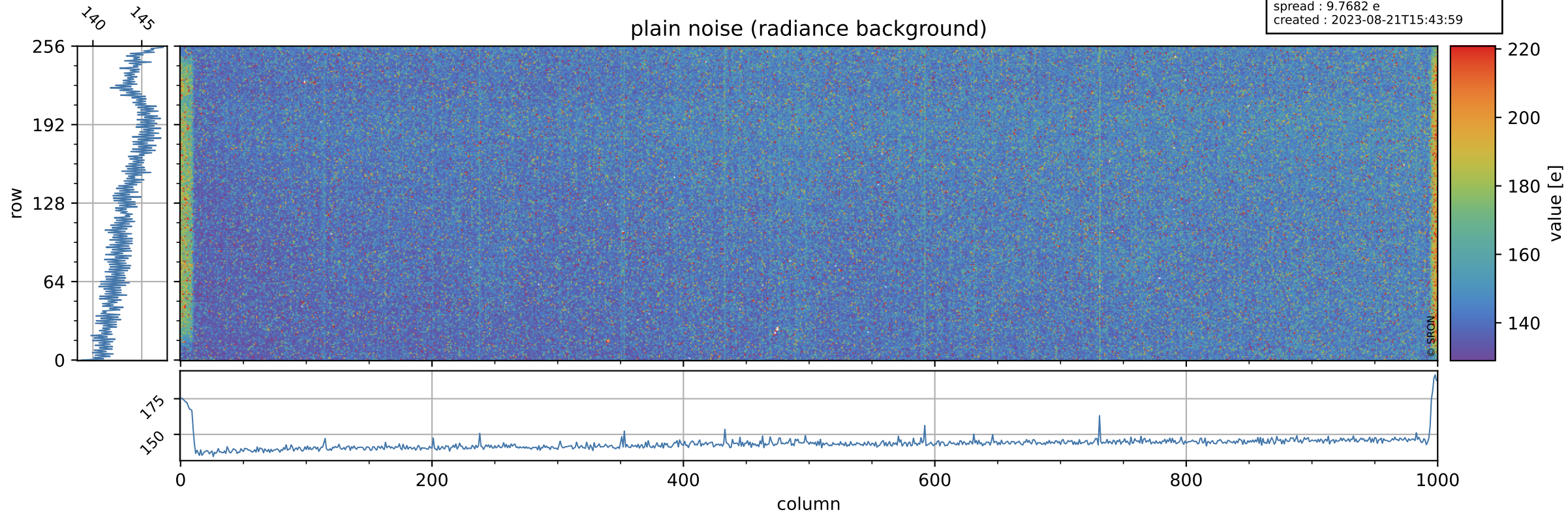
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.41 e  
spread : 9.7682 e  
created : 2023-08-21T15:43:59

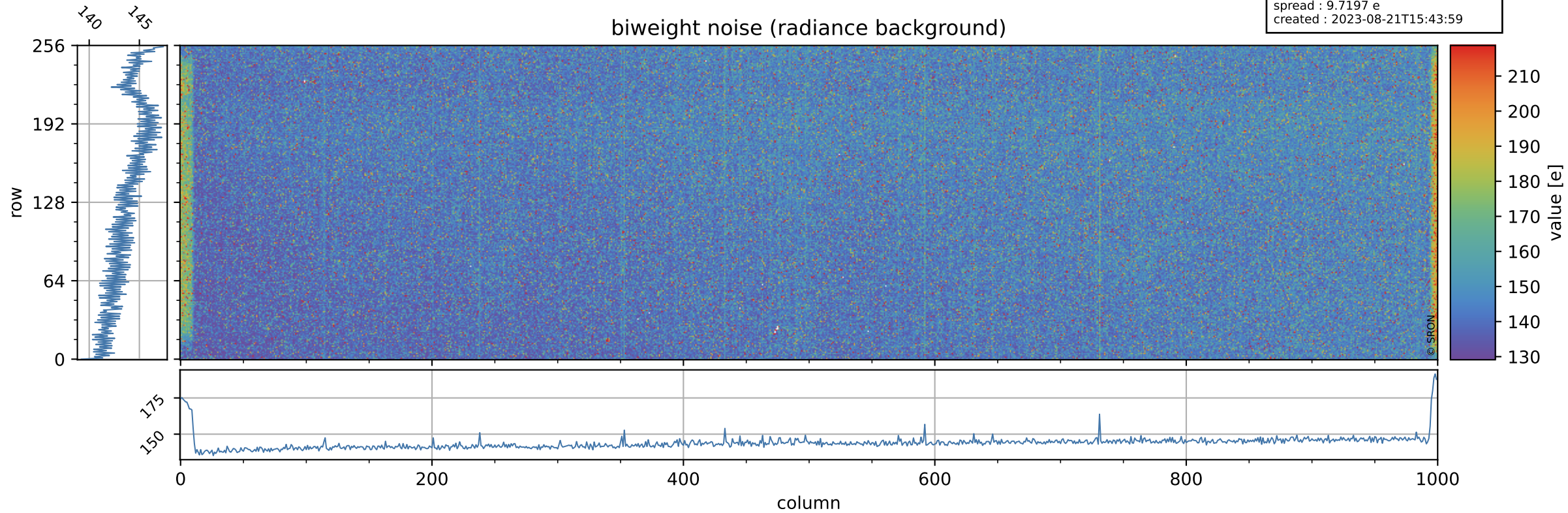
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
n\_coad, t\_exp : 1, 0.8383  
median : 143.72 e  
spread : 9.7197 e  
created : 2023-08-21T15:43:59

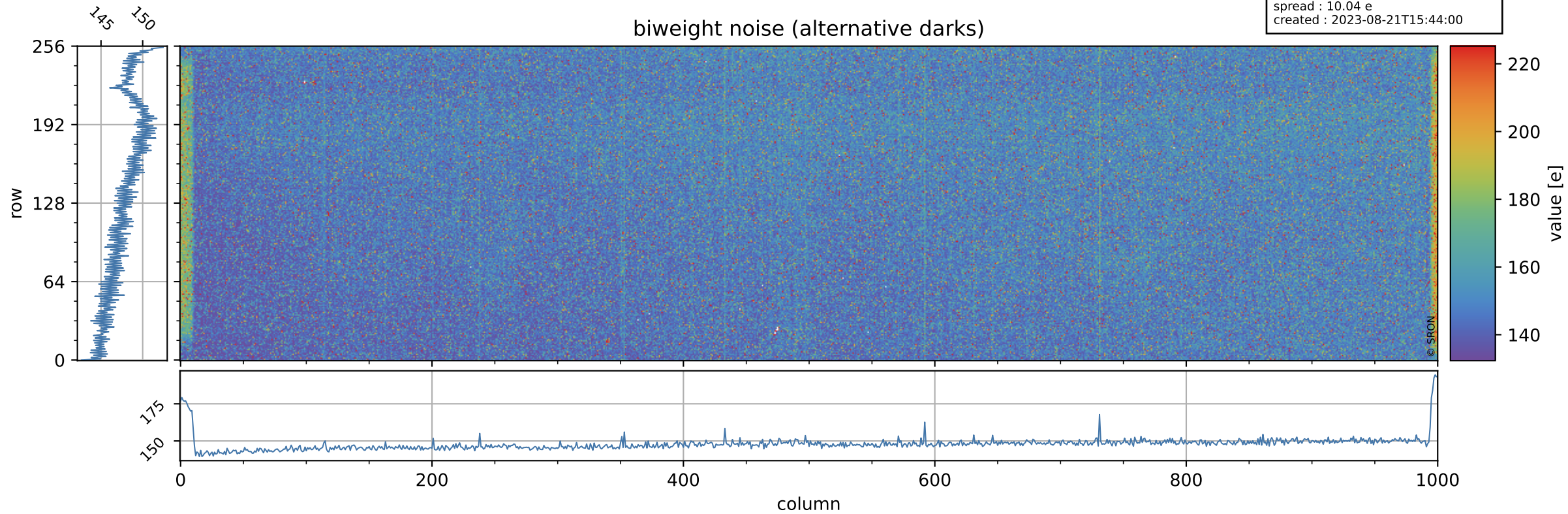
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.71 e  
spread : 10.04 e  
created : 2023-08-21T15:44:00

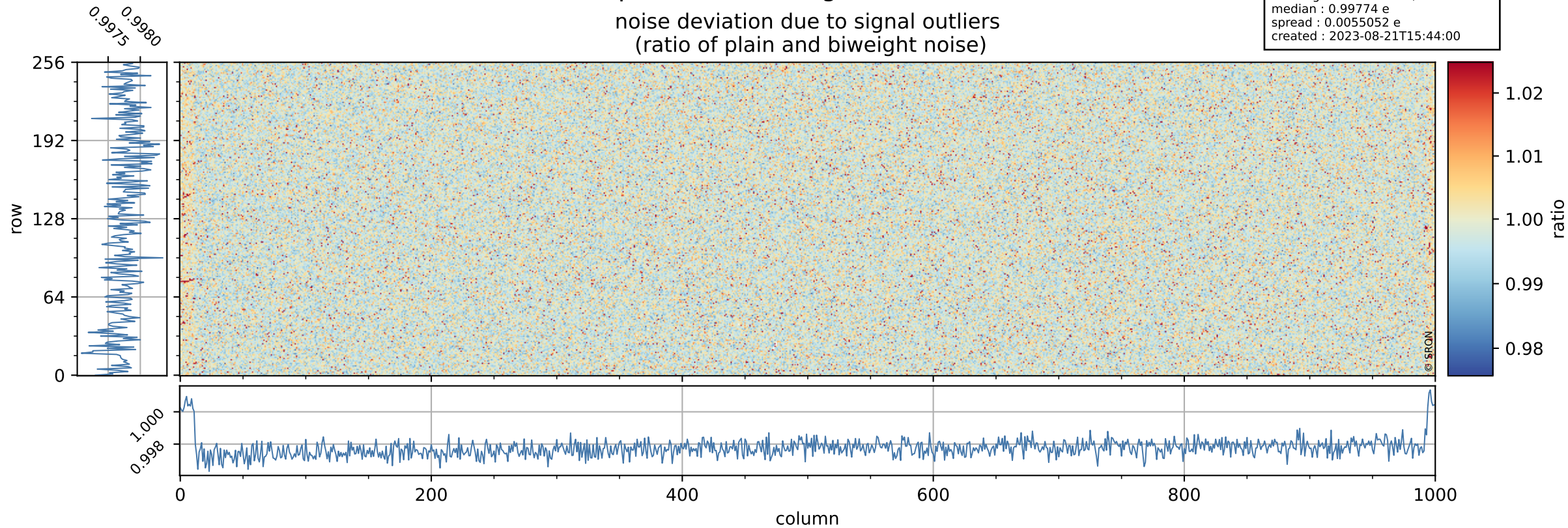
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

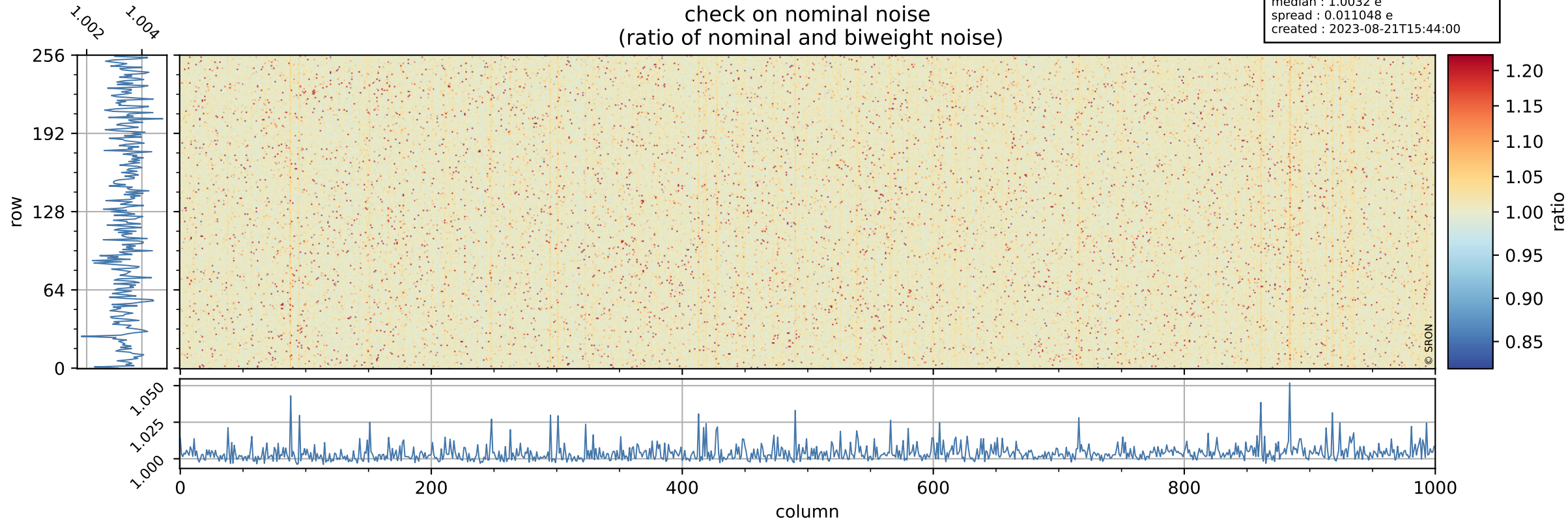
orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
median : 0.99774 e  
spread : 0.0055052 e  
created : 2023-08-21T15:44:00



# Tropomi SWIR background noise (swir)

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

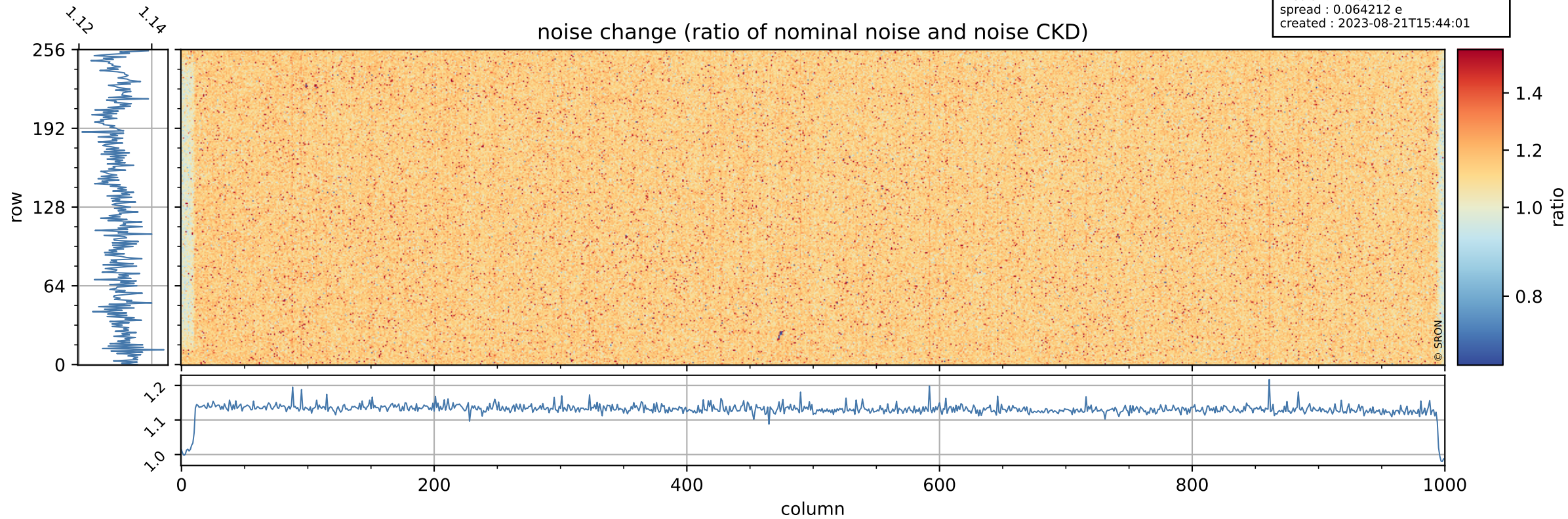
orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
median : 1.0032 e  
spread : 0.011048 e  
created : 2023-08-21T15:44:00



# Tropomi SWIR background noise (swir)

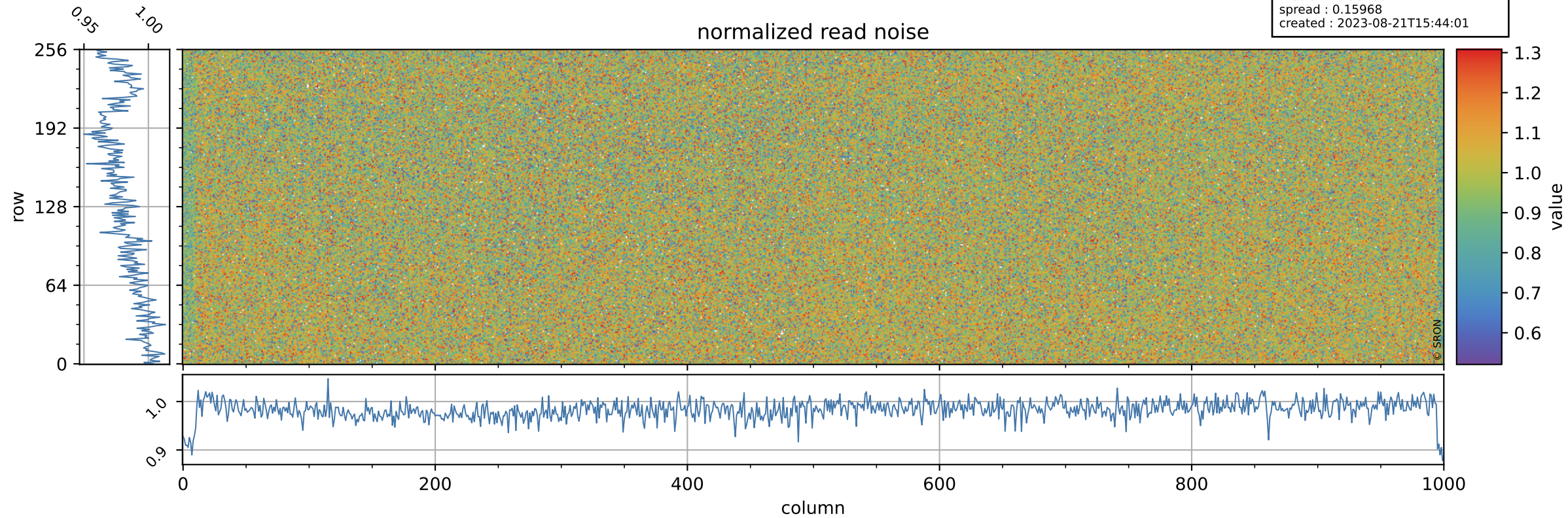
orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
median : 1.1301 e  
spread : 0.064212 e  
created : 2023-08-21T15:44:01

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

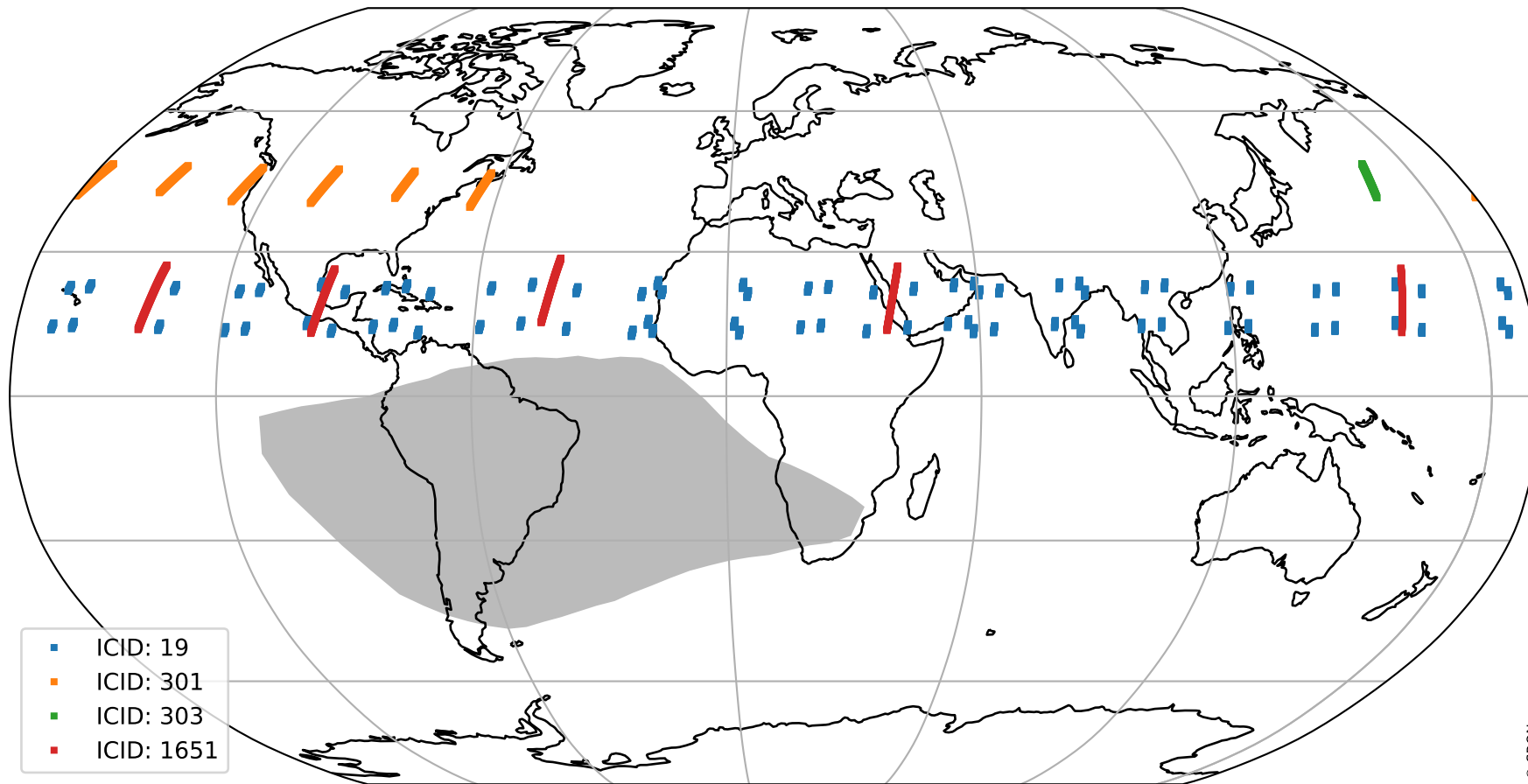
orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
median : 0.98166  
spread : 0.15968  
created : 2023-08-21T15:44:01





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

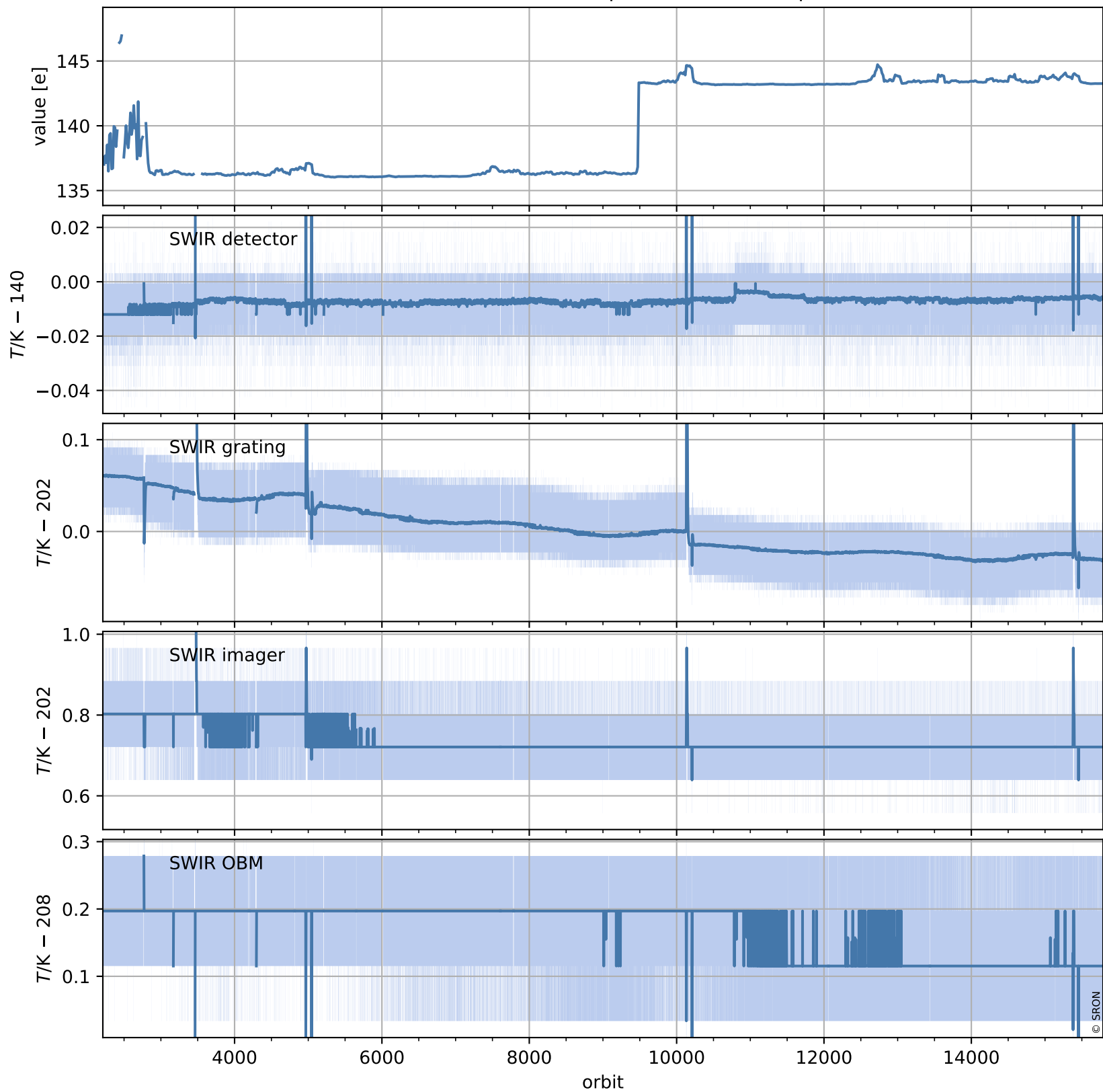
orbits : 12 in [15697, 15787]  
coverage : 2020-10-24 / 2020-10-30  
created : 2023-08-21T15:44:01



# Tropomi SWIR background noise (swir)

orbits : [2212, 15787]  
coverage : 2018-03-18 / 2020-10-30  
created : 2023-08-21T15:44:01

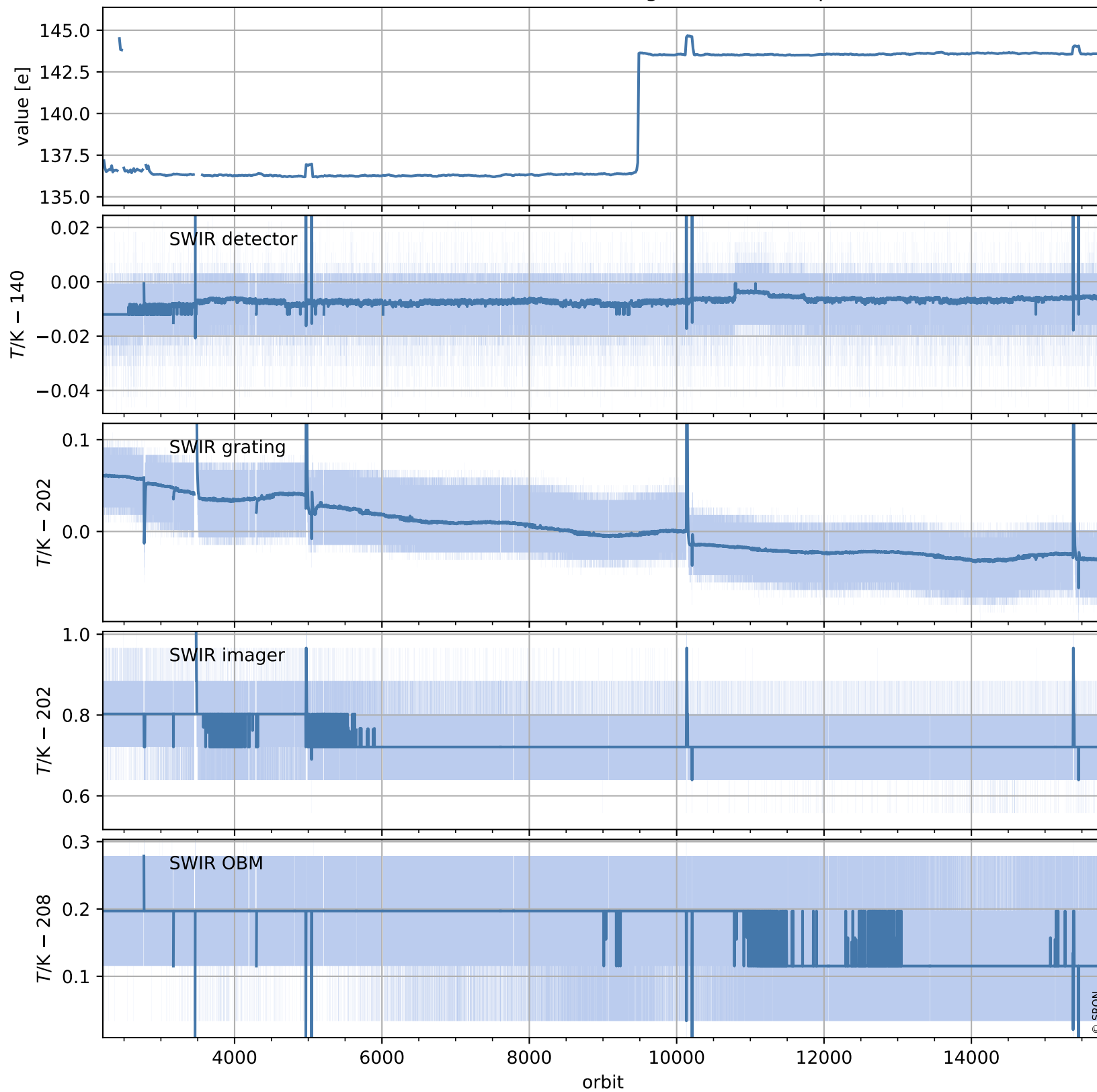
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15787]  
coverage : 2018-03-18 / 2020-10-30  
created : 2023-08-21T15:44:02

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 15787]  
coverage : 2018-03-18 / 2020-10-30  
created : 2023-08-21T15:44:03

## trend of normalized read-noise & temperatures

