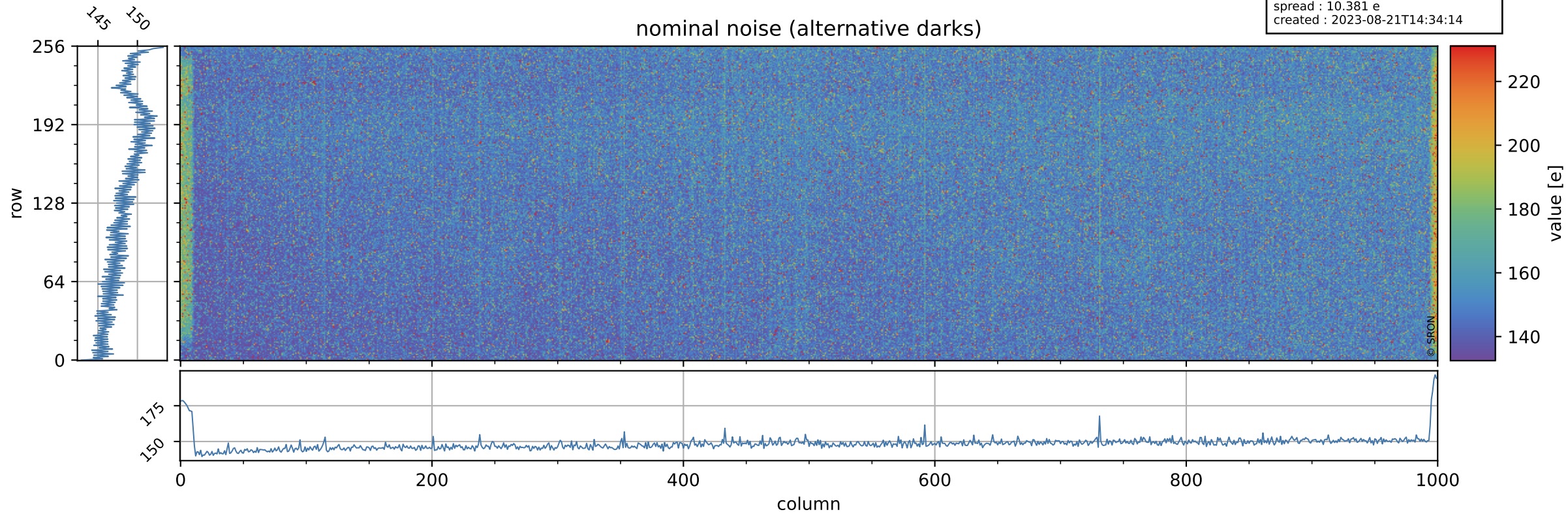


# Tropomi SWIR background noise (swir)

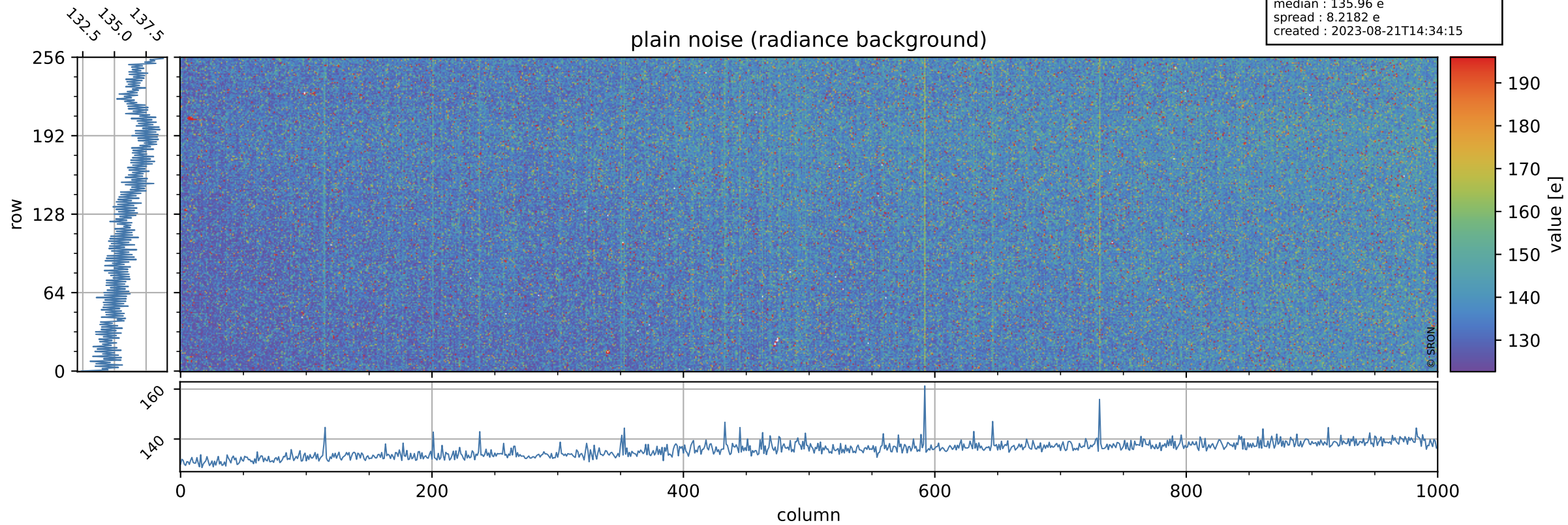
orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.26 e  
spread : 10.381 e  
created : 2023-08-21T14:34:14



# Tropomi SWIR background noise (swir)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
n\_coad, t\_exp : 2, 0.5383  
median : 135.96 e  
spread : 8.2182 e  
created : 2023-08-21T14:34:15

## plain noise (radiance background)

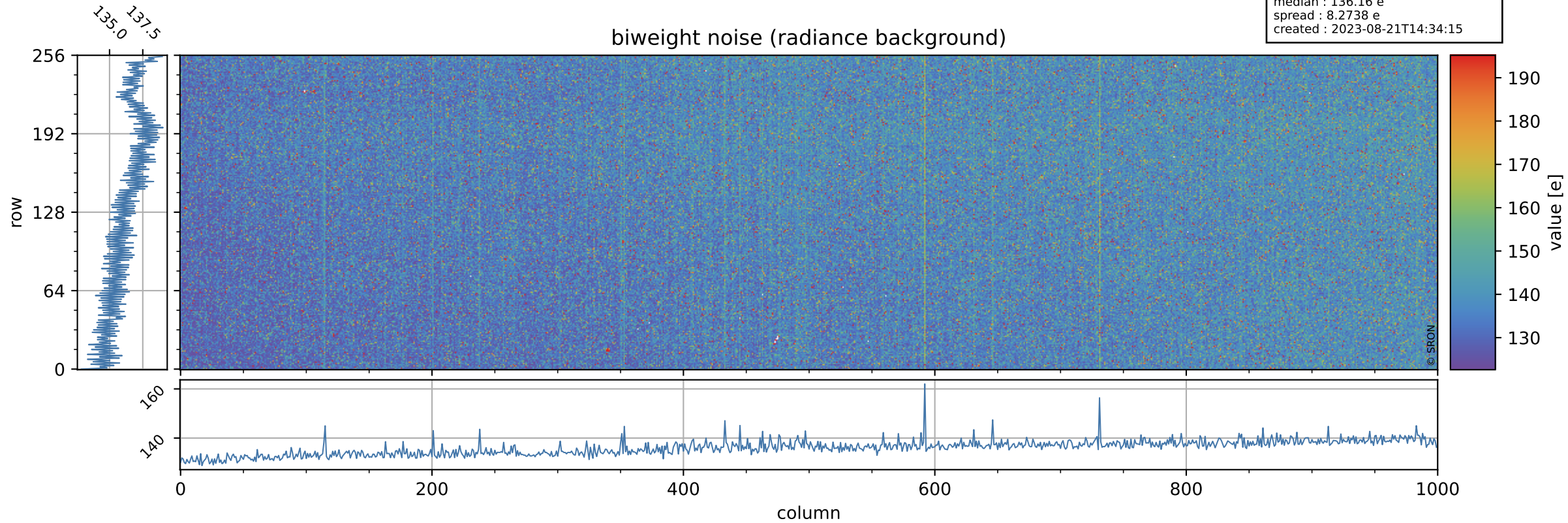




# Tropomi SWIR background noise (swir)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.2738 e  
created : 2023-08-21T14:34:15

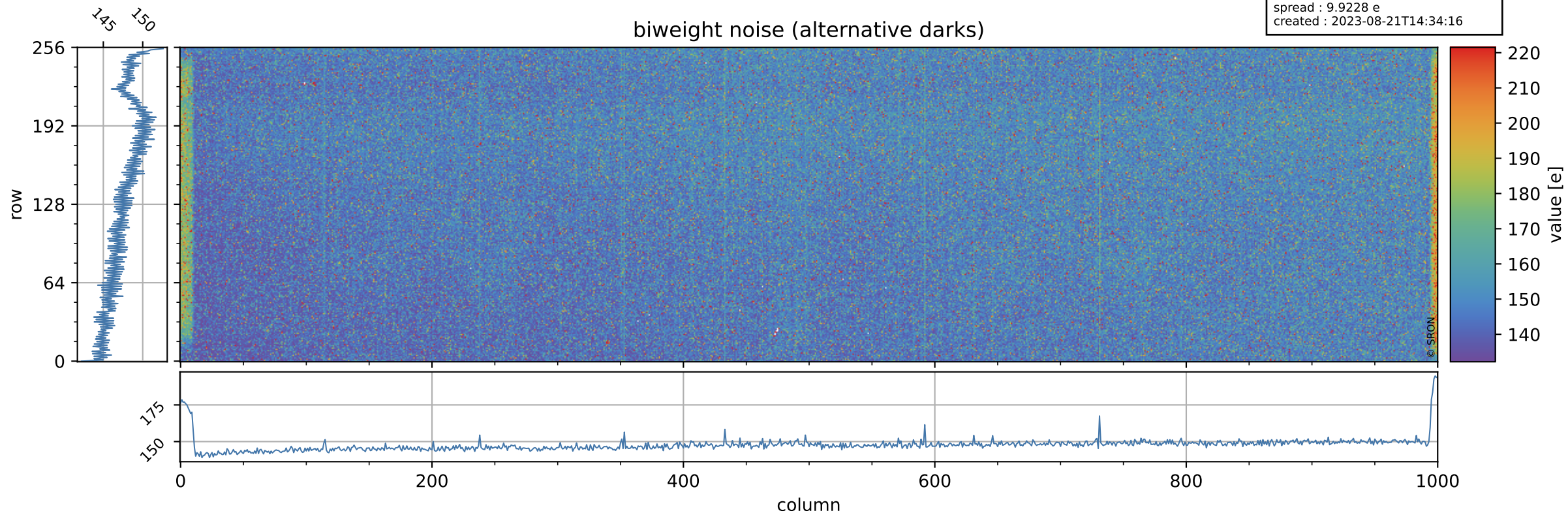
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.9228 e  
created : 2023-08-21T14:34:16

## biweight noise (alternative darks)

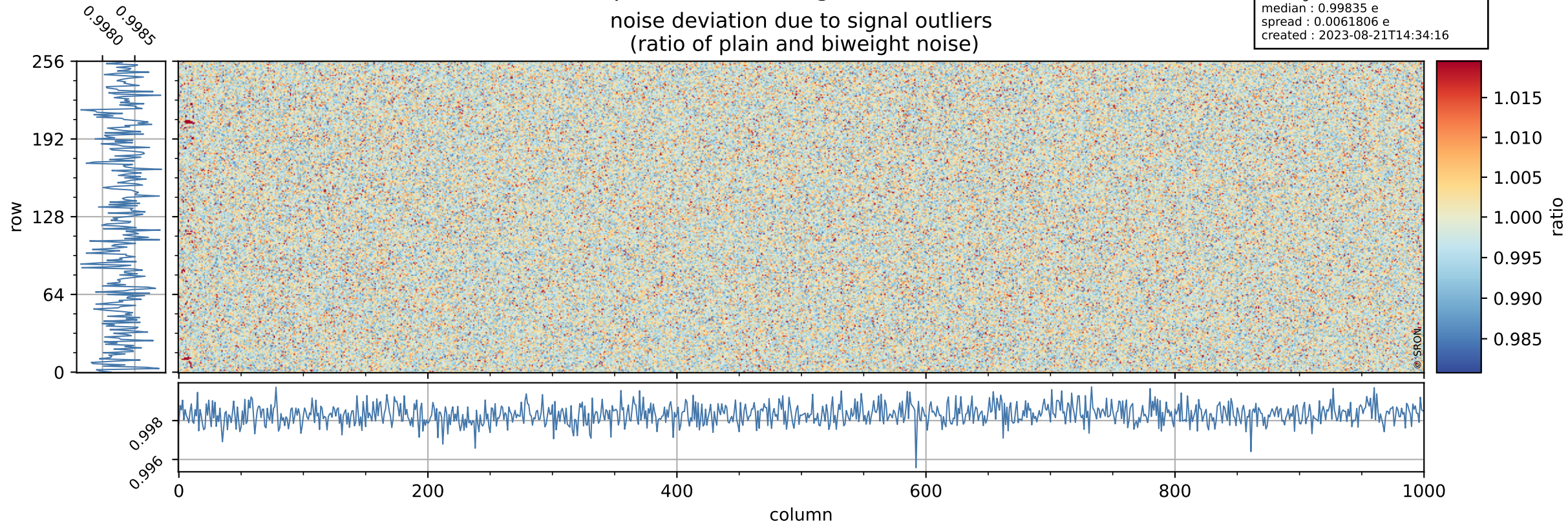




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
median : 0.99835 e  
spread : 0.0061806 e  
created : 2023-08-21T14:34:16

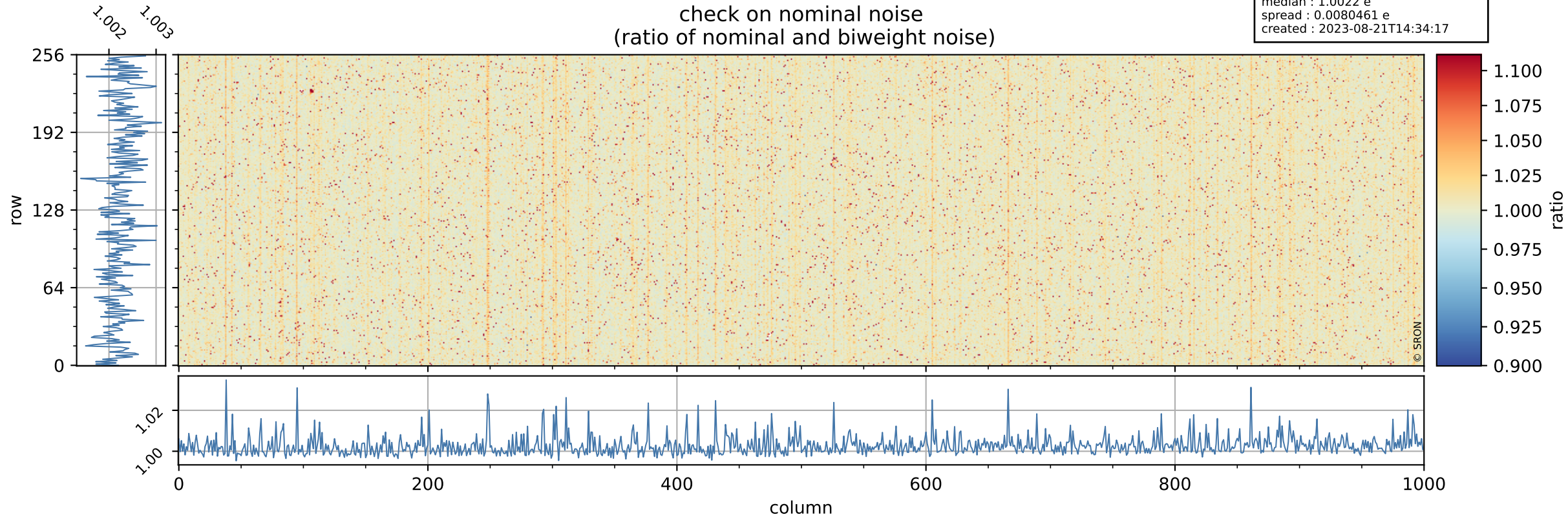




# Tropomi SWIR background noise (swir)

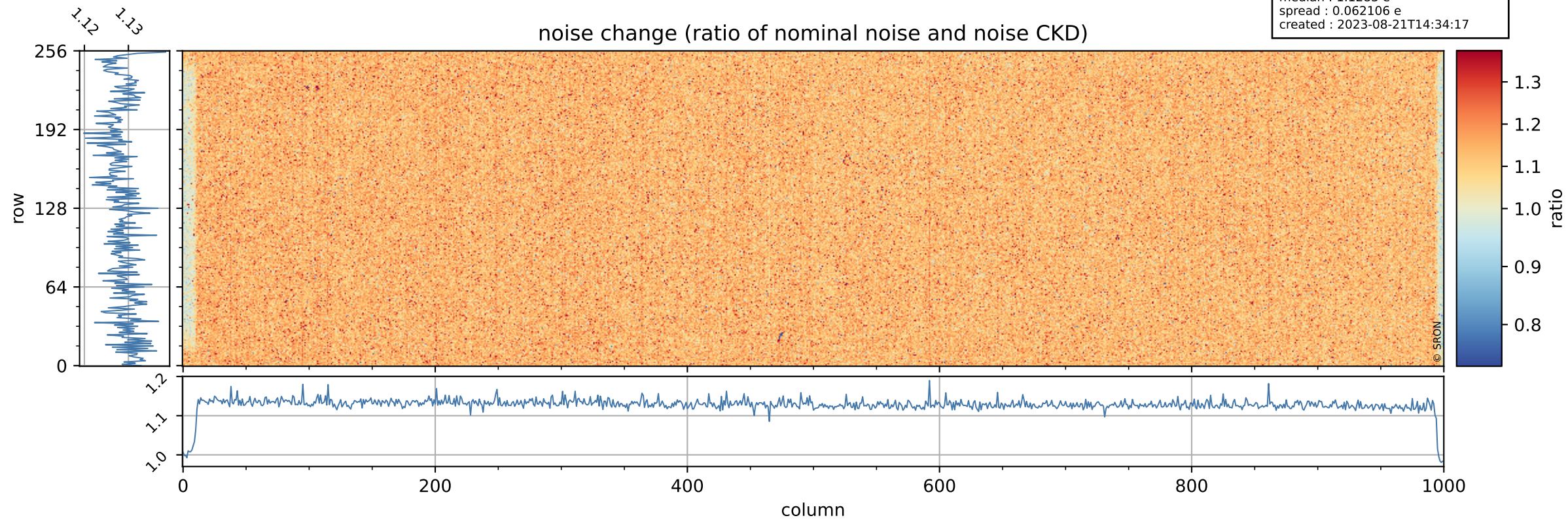
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
median : 1.0022 e  
spread : 0.0080461 e  
created : 2023-08-21T14:34:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
median : 1.1283 e  
spread : 0.062106 e  
created : 2023-08-21T14:34:17

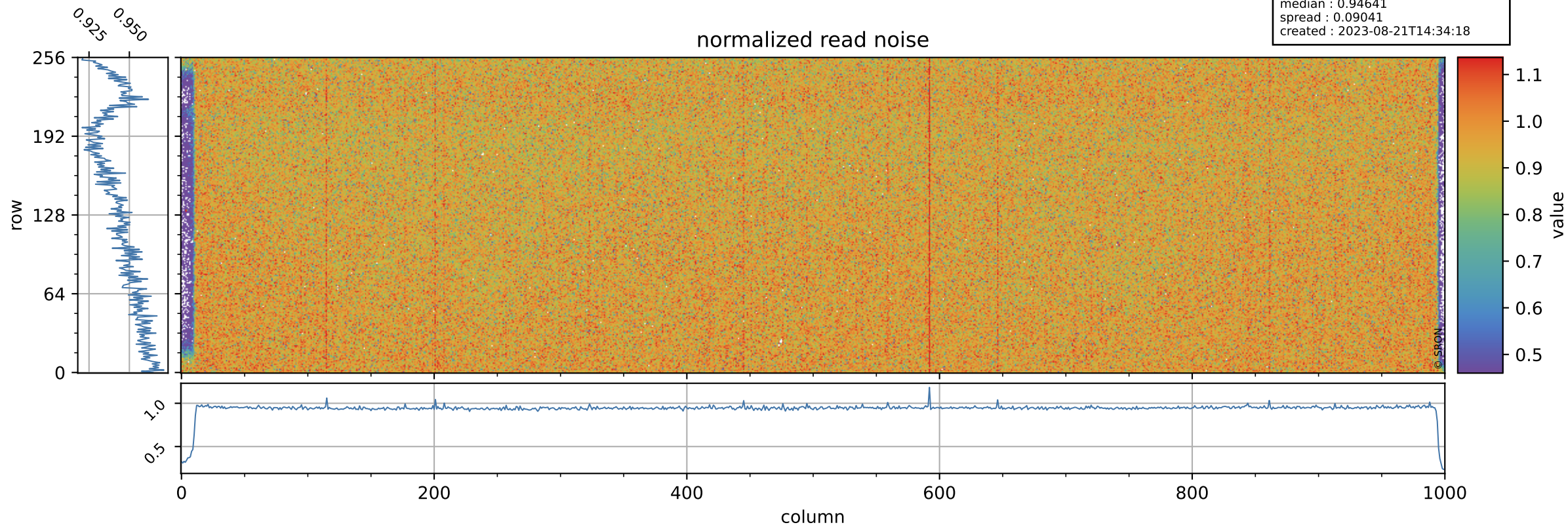




# Tropomi SWIR background noise (swir)

orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
median : 0.94641  
spread : 0.09041  
created : 2023-08-21T14:34:18

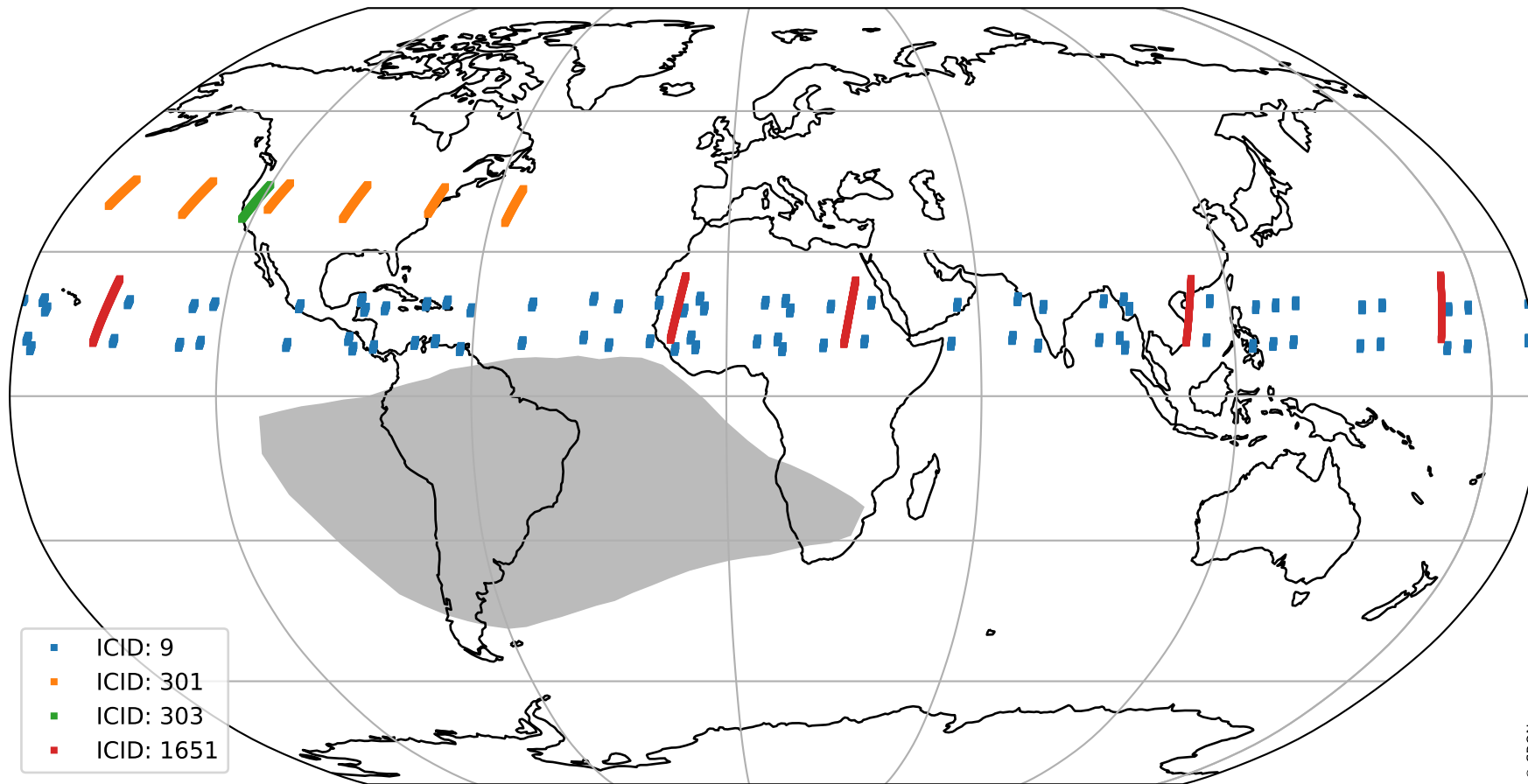
## normalized read noise





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

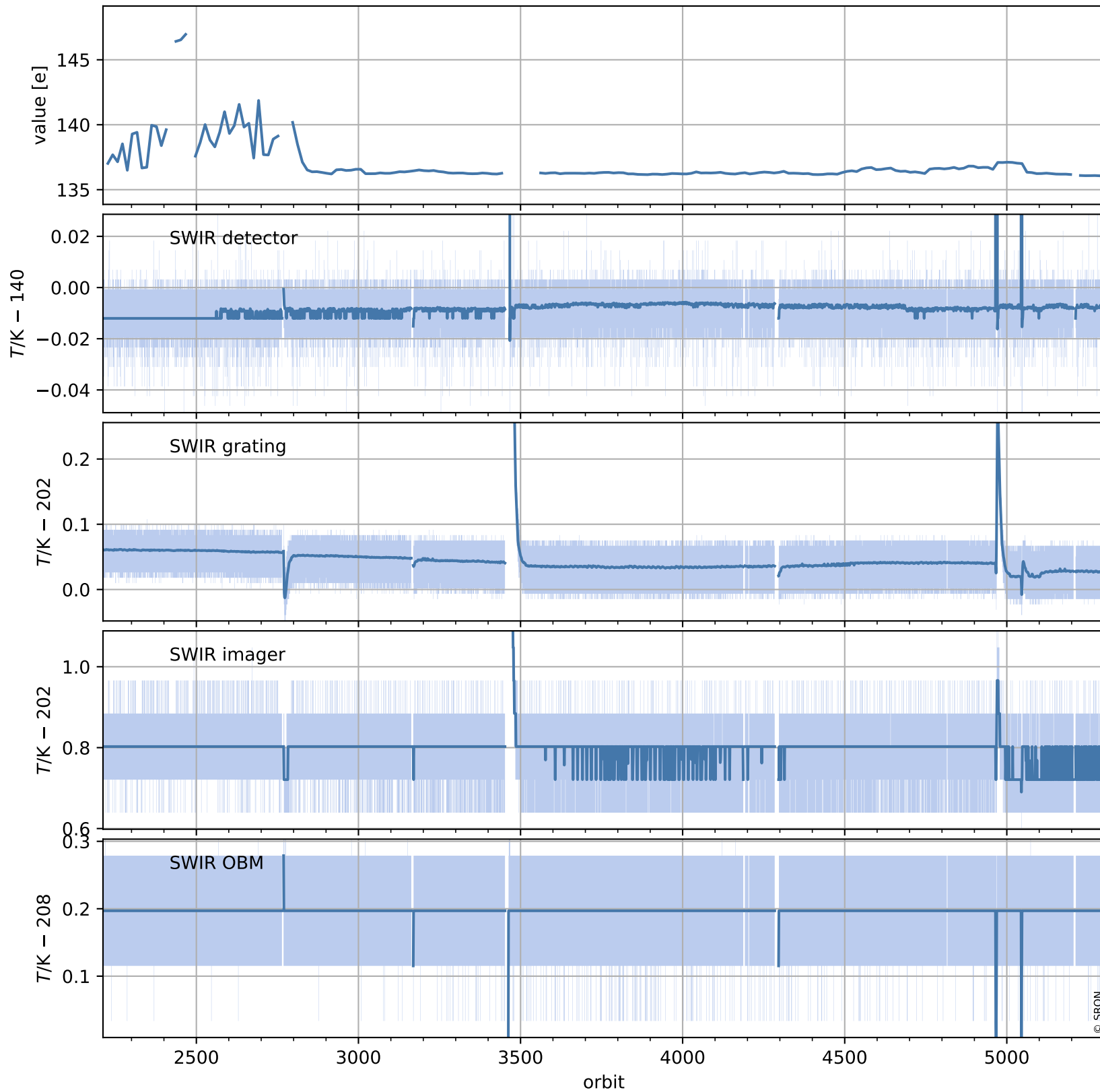
orbits : 12 in [5212, 5302]  
coverage : 2018-10-16 / 2018-10-21  
created : 2023-08-21T14:34:18



# Tropomi SWIR background noise (swir)

orbits : [2212, 5302]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:19

## trend of detector median of plain noise & temperatures

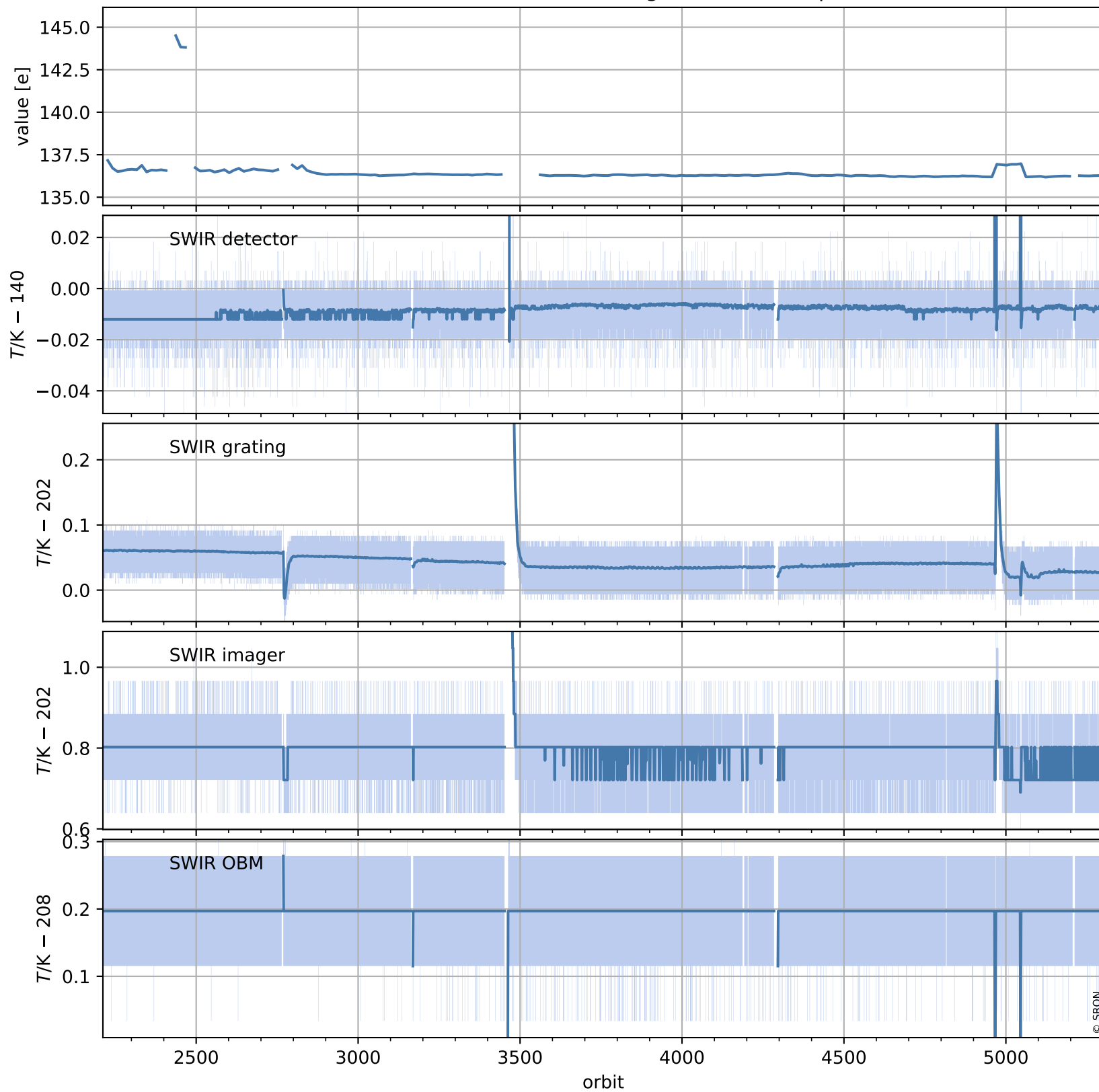




# Tropomi SWIR background noise (swir)

orbits : [2212, 5302]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:19

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5302]  
coverage : 2018-03-18 / 2018-10-21  
created : 2023-08-21T14:34:20

## trend of normalized read-noise & temperatures

