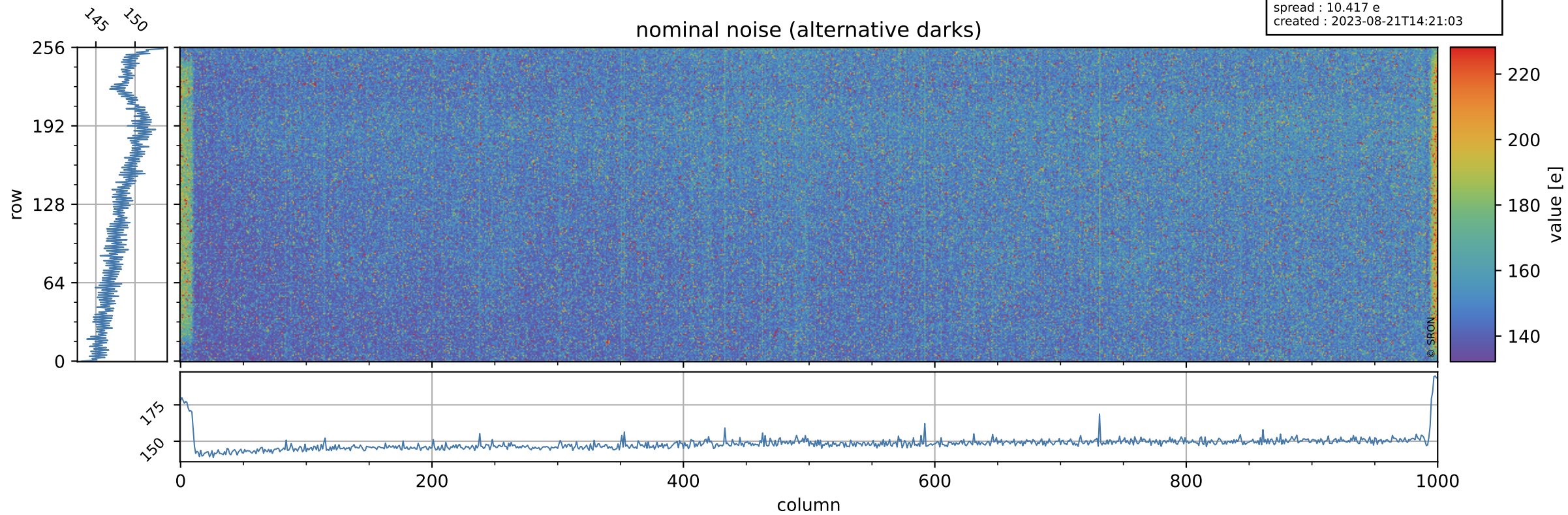


# Tropomi SWIR background noise (swir)

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
n\_coad, t\_exp : 1, 1.0783  
median : 148.24 e  
spread : 10.417 e  
created : 2023-08-21T14:21:03

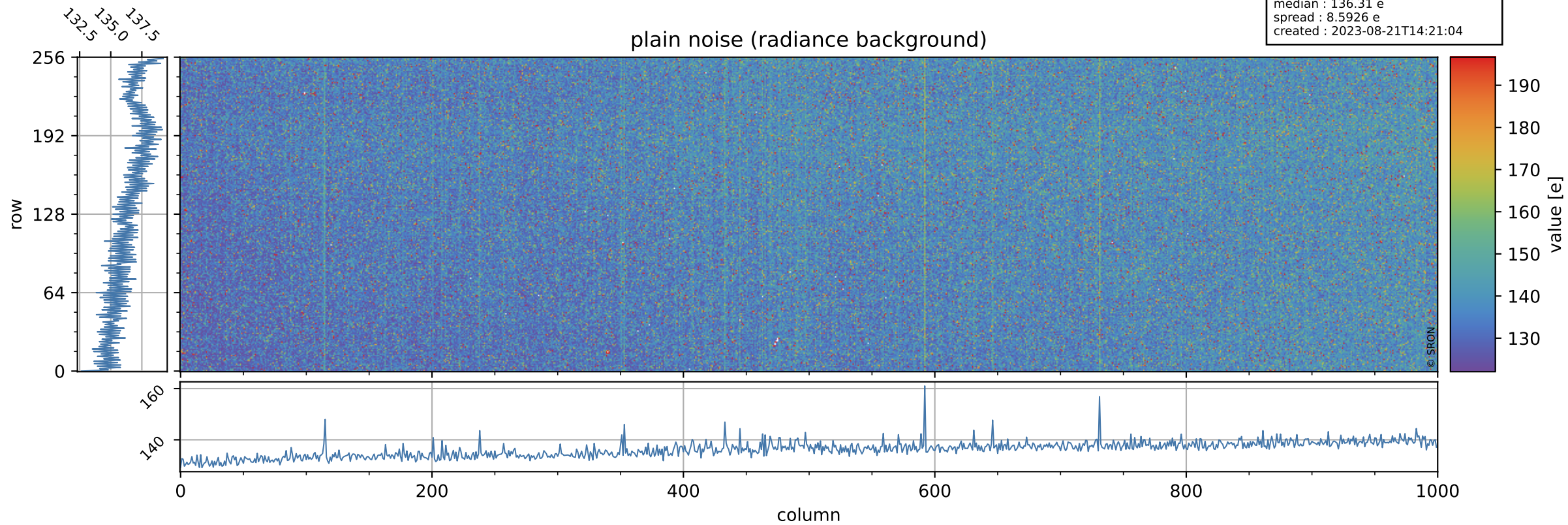
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
n\_coad, t\_exp : 2, 0.5383  
median : 136.31 e  
spread : 8.5926 e  
created : 2023-08-21T14:21:04

## plain noise (radiance background)

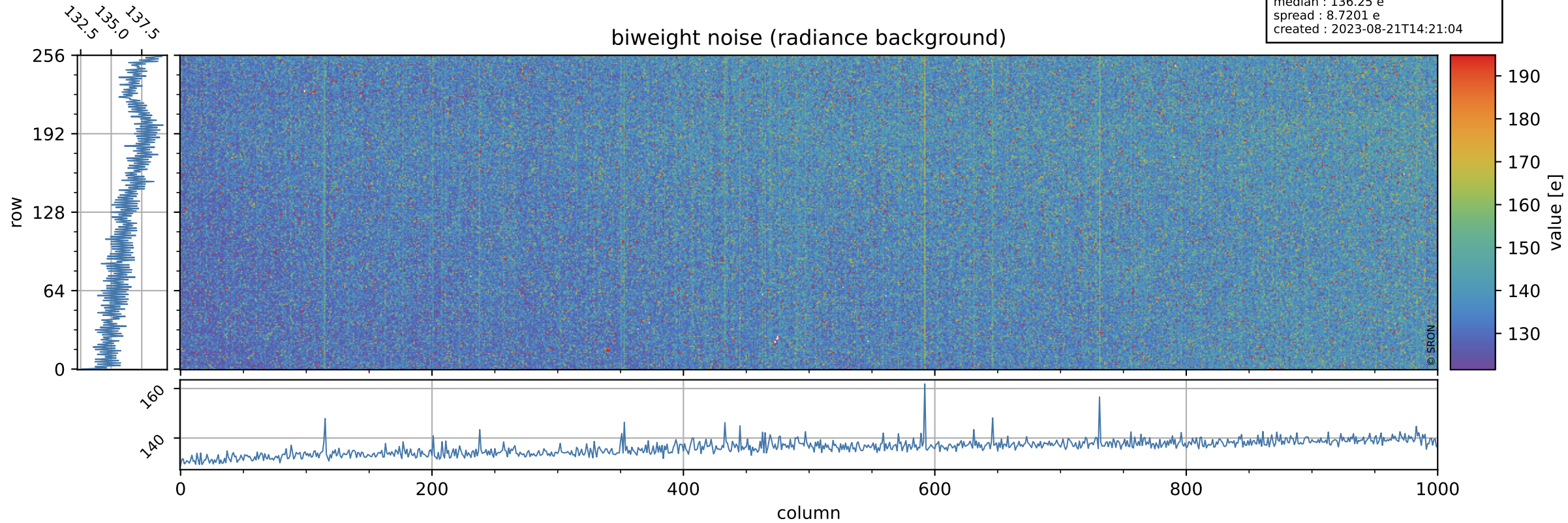




# Tropomi SWIR background noise (swir)

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
n\_coad, t\_exp : 2, 0.5383  
median : 136.25 e  
spread : 8.7201 e  
created : 2023-08-21T14:21:04

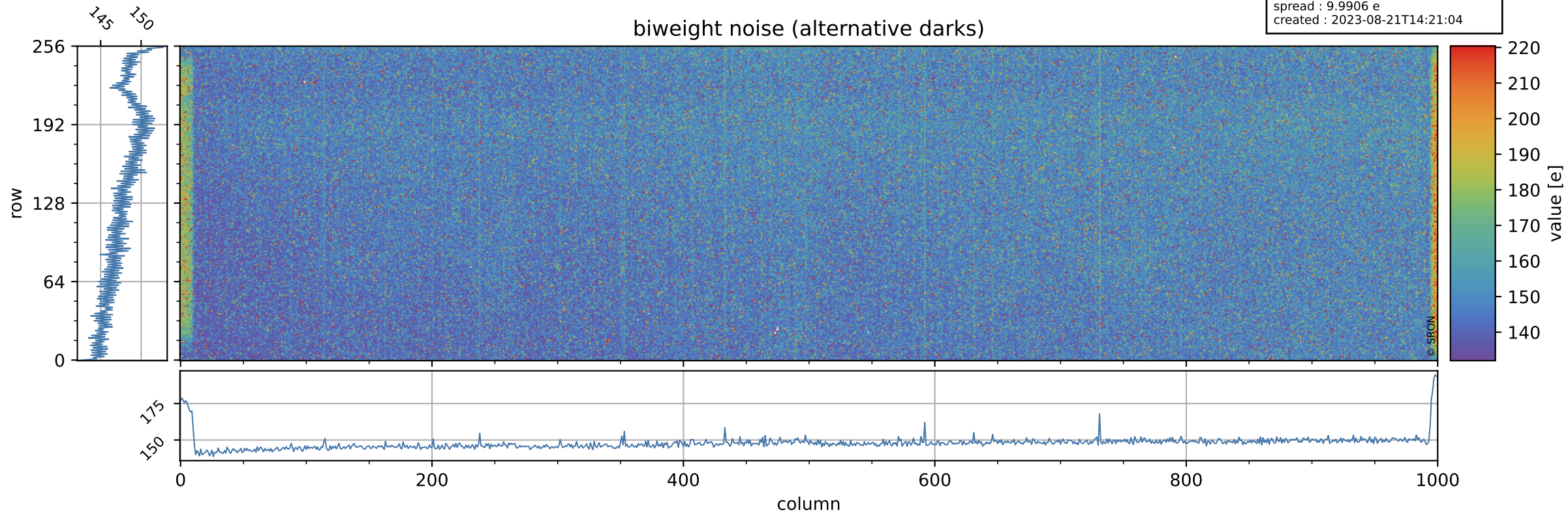
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 9.9906 e  
created : 2023-08-21T14:21:04

## biweight noise (alternative darks)

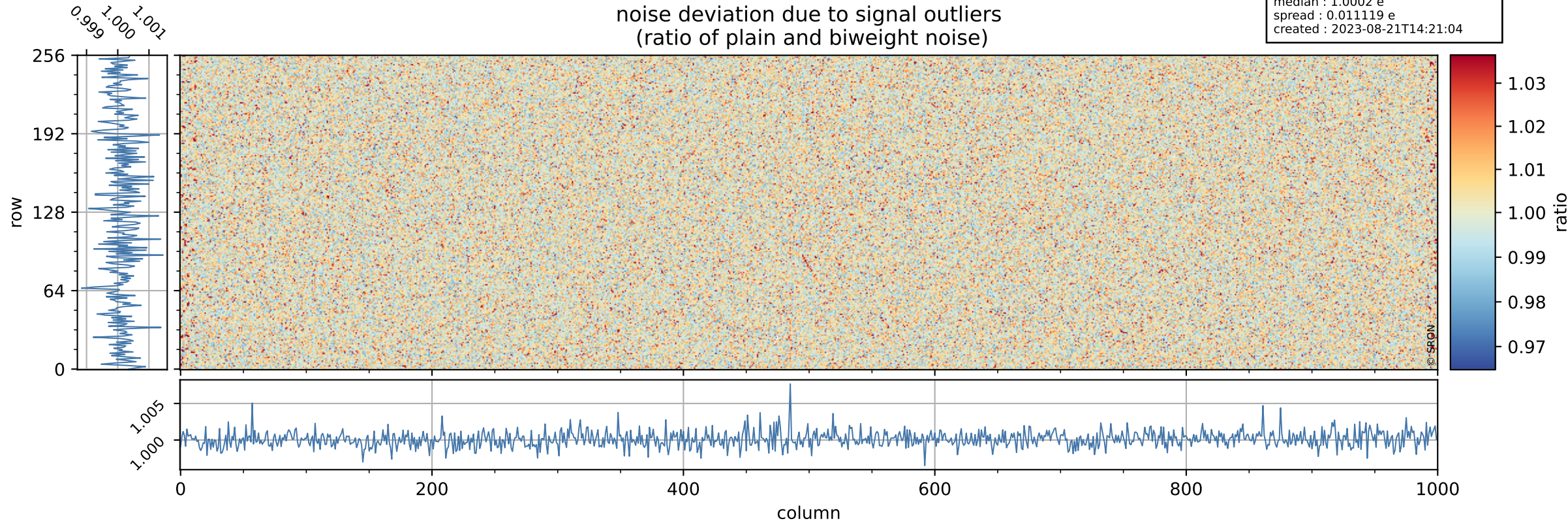




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
median : 1.0002 e  
spread : 0.011119 e  
created : 2023-08-21T14:21:04

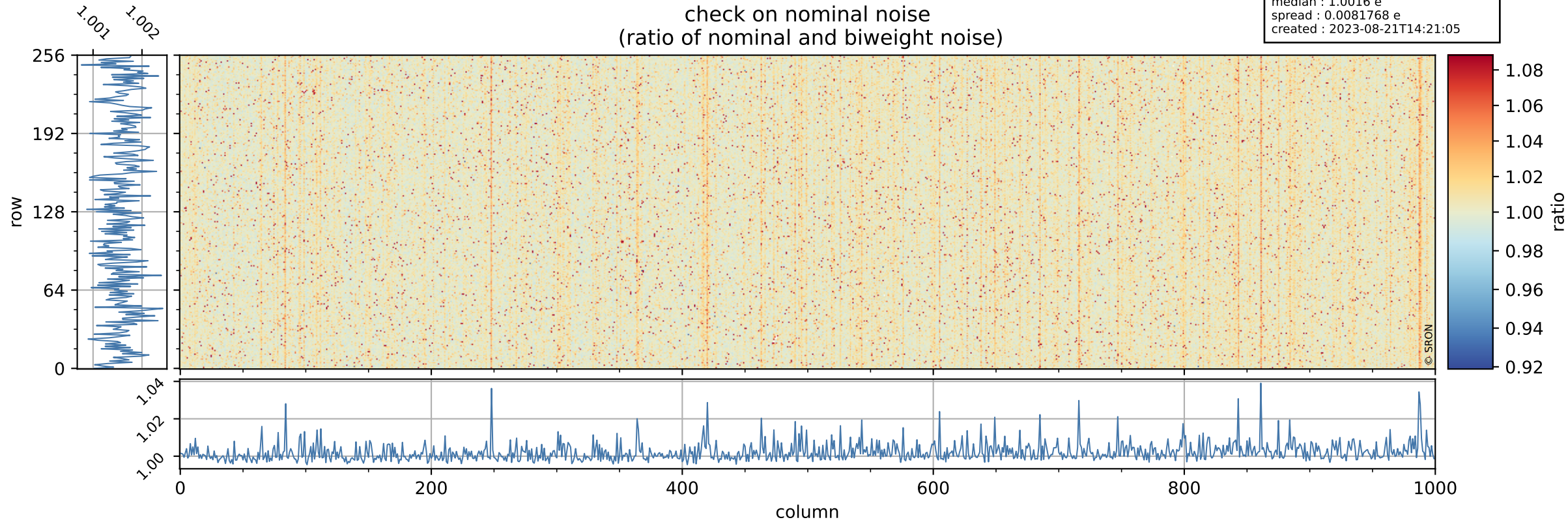




# Tropomi SWIR background noise (swir)

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

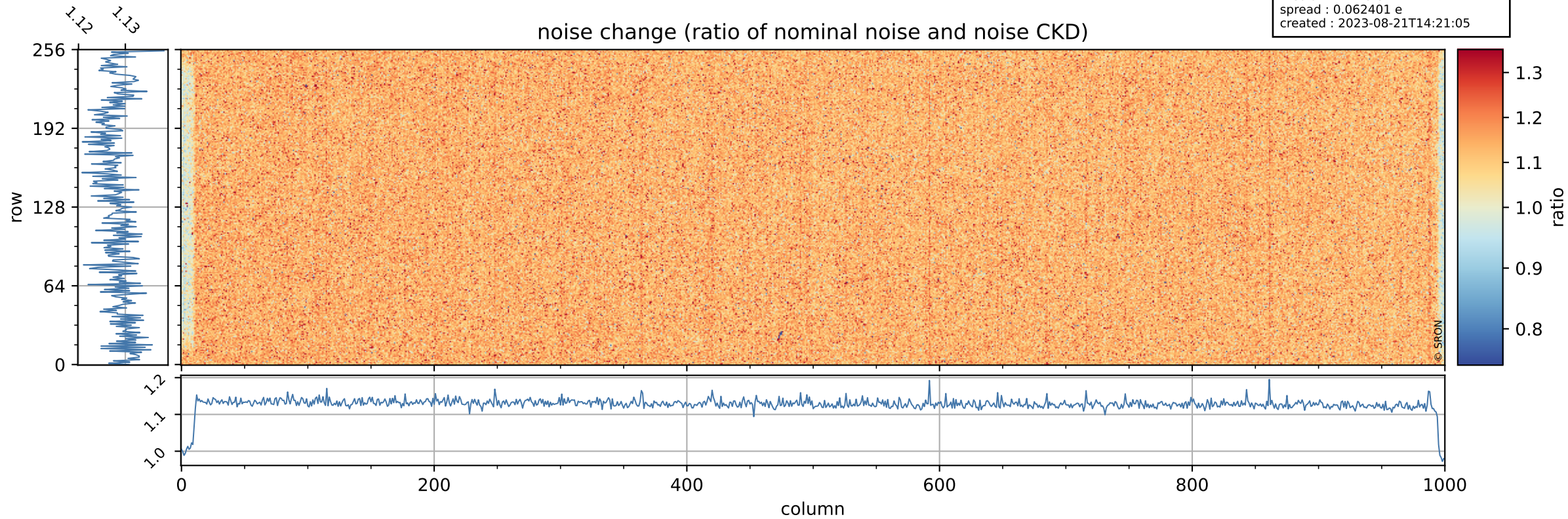
orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
median : 1.0016 e  
spread : 0.0081768 e  
created : 2023-08-21T14:21:05



# Tropomi SWIR background noise (swir)

orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
median : 1.128 e  
spread : 0.062401 e  
created : 2023-08-21T14:21:05

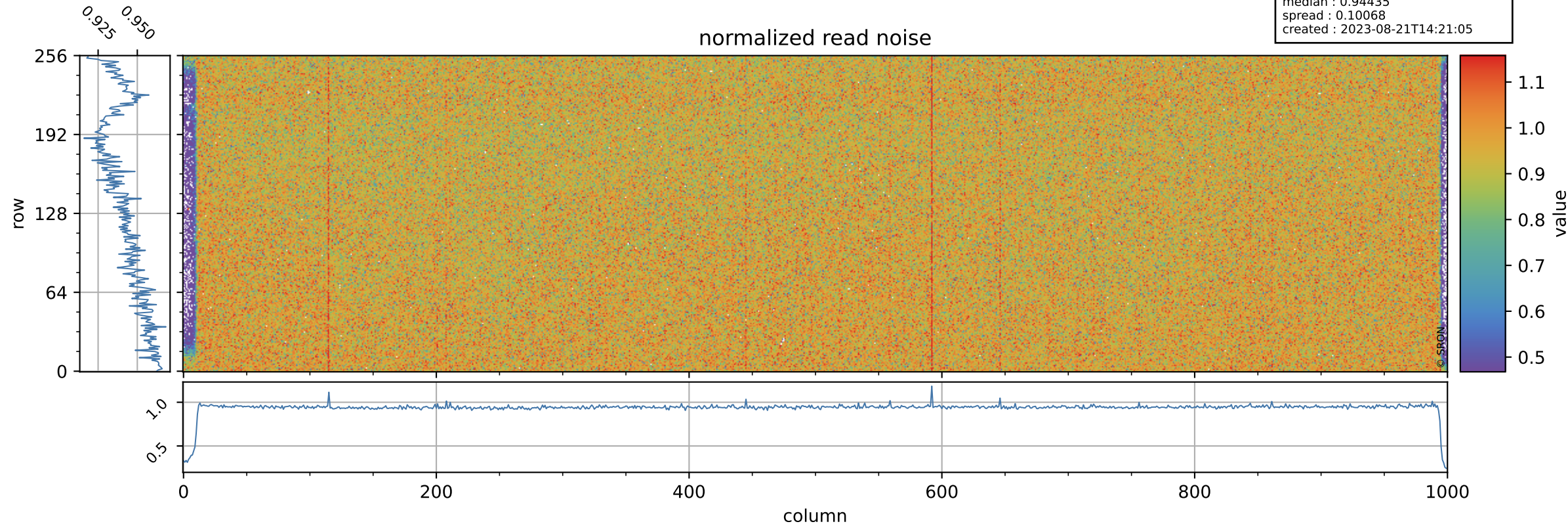
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

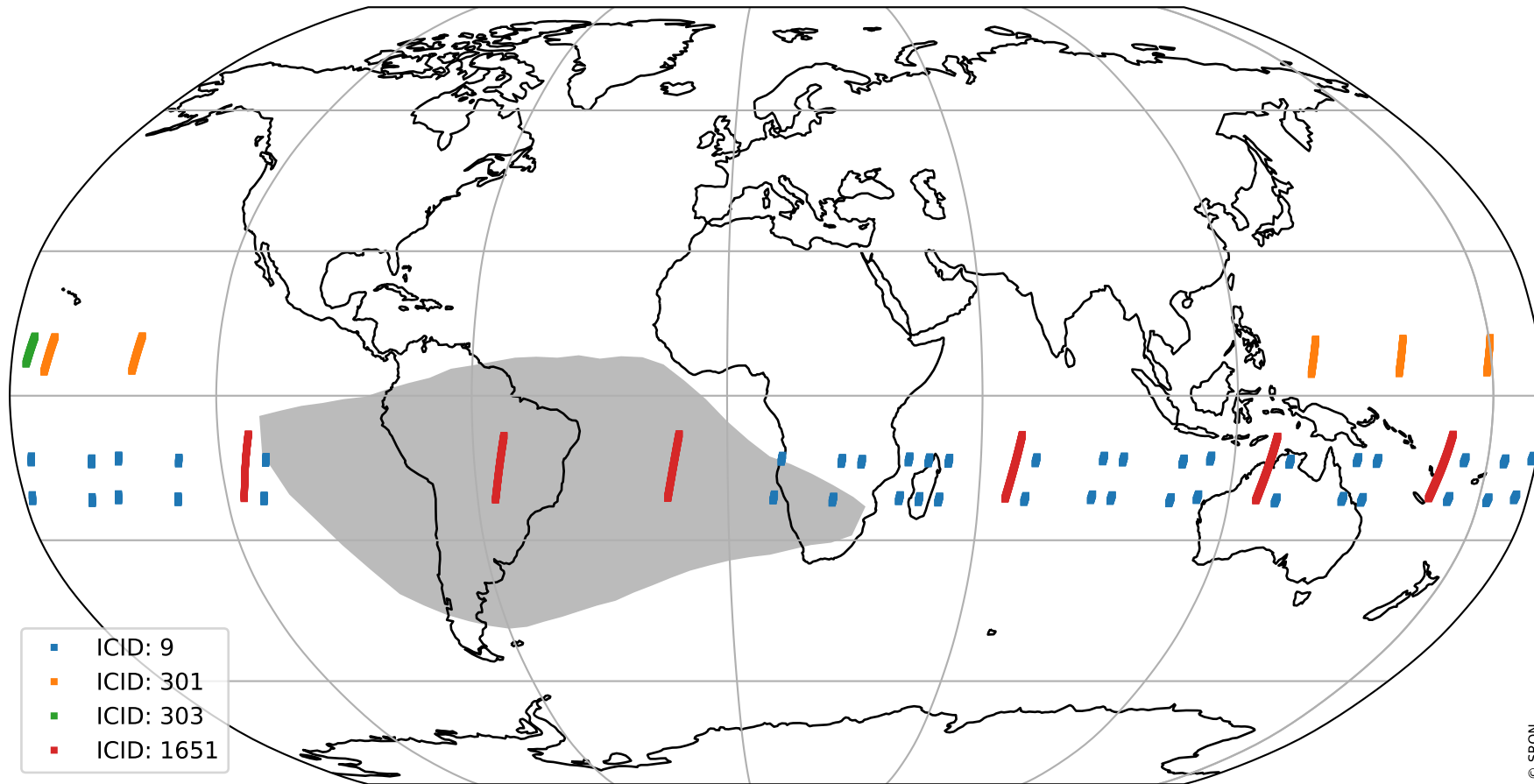
orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
median : 0.94435  
spread : 0.10068  
created : 2023-08-21T14:21:05





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

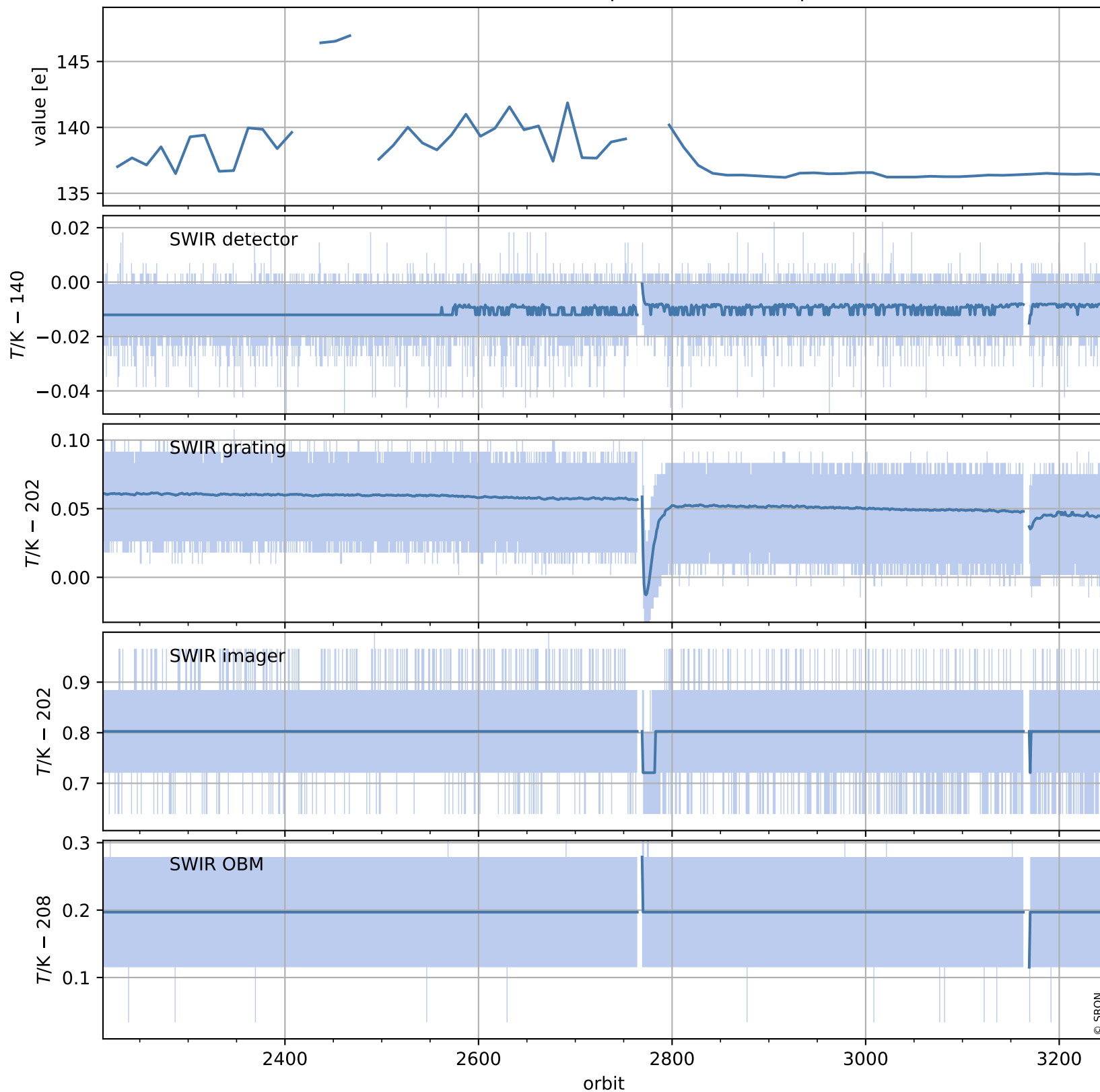
orbits : 12 in [3187, 3247]  
coverage : 2018-05-25 / 2018-05-29  
created : 2023-08-21T14:21:06



# Tropomi SWIR background noise (swir)

orbits : [2212, 3247]  
coverage : 2018-03-18 / 2018-05-29  
created : 2023-08-21T14:21:06

## trend of detector median of plain noise & temperatures

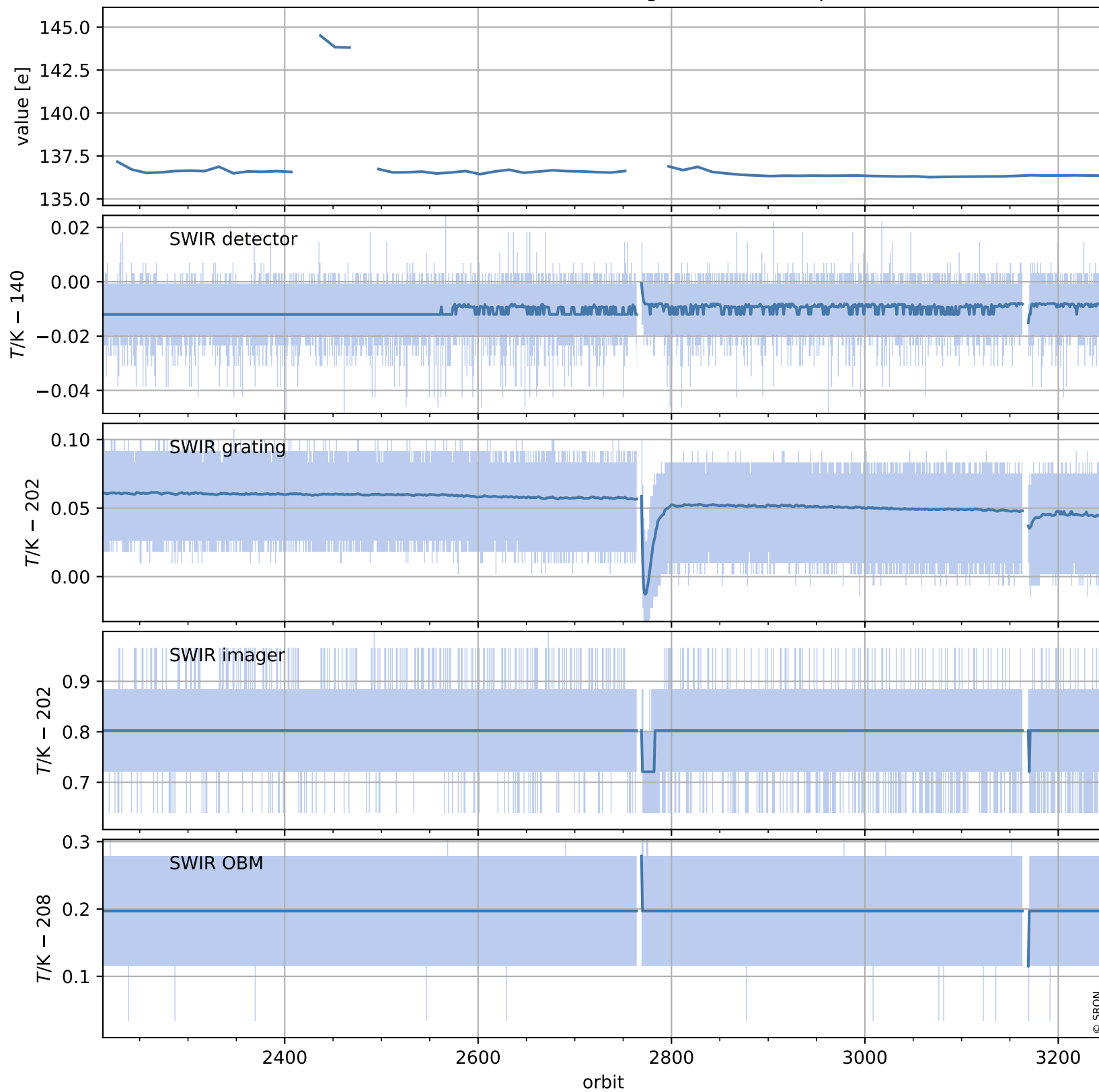




# Tropomi SWIR background noise (swir)

orbits : [2212, 3247]  
coverage : 2018-03-18 / 2018-05-29  
created : 2023-08-21T14:21:06

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3247]  
coverage : 2018-03-18 / 2018-05-29  
created : 2023-08-21T14:21:07

## trend of normalized read-noise & temperatures

