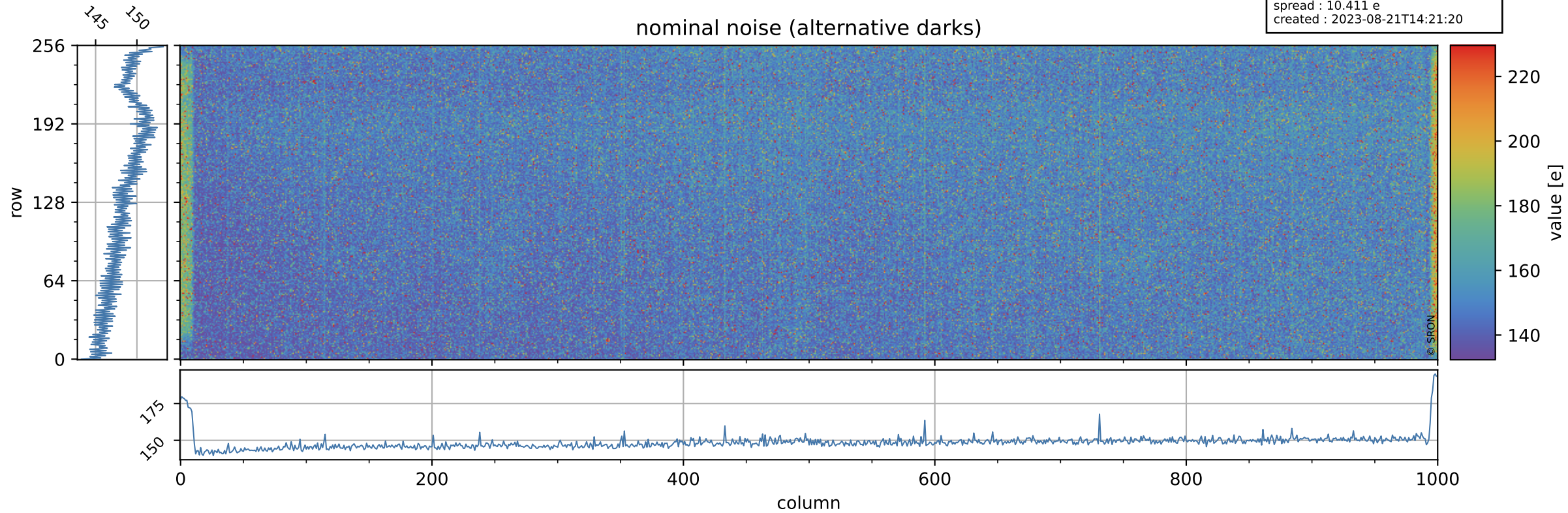


# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
n\_coad, t\_exp : 1, 1.0783  
median : 148.35 e  
spread : 10.411 e  
created : 2023-08-21T14:21:20

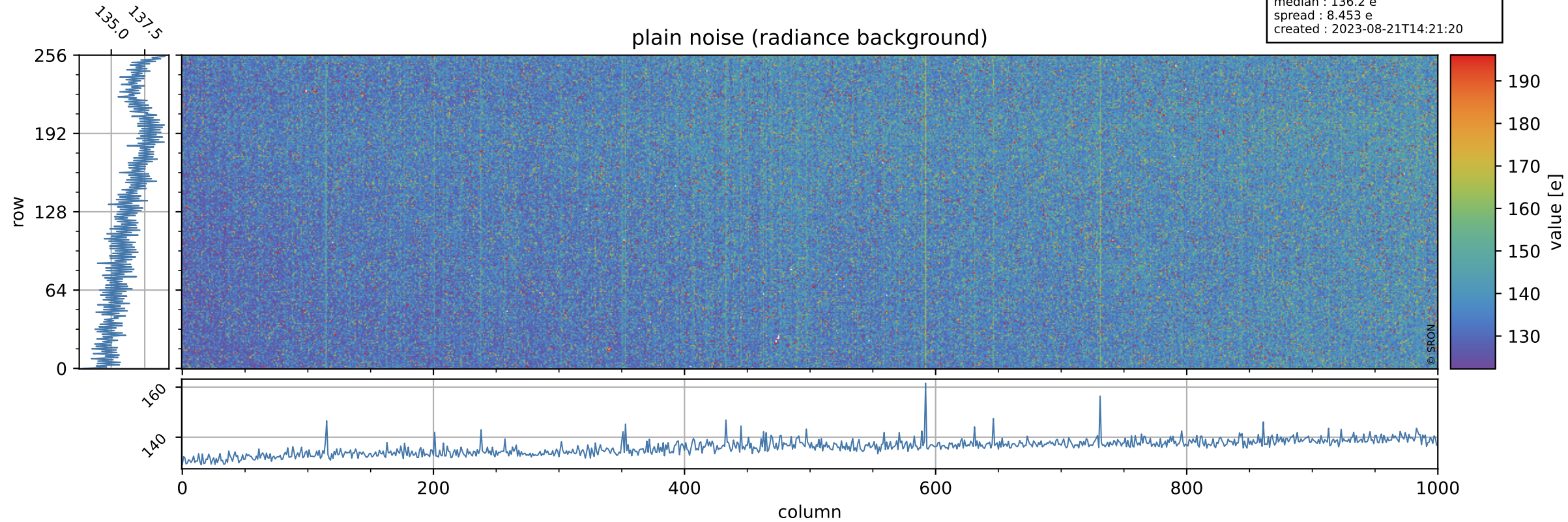
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.453 e  
created : 2023-08-21T14:21:20

## plain noise (radiance background)

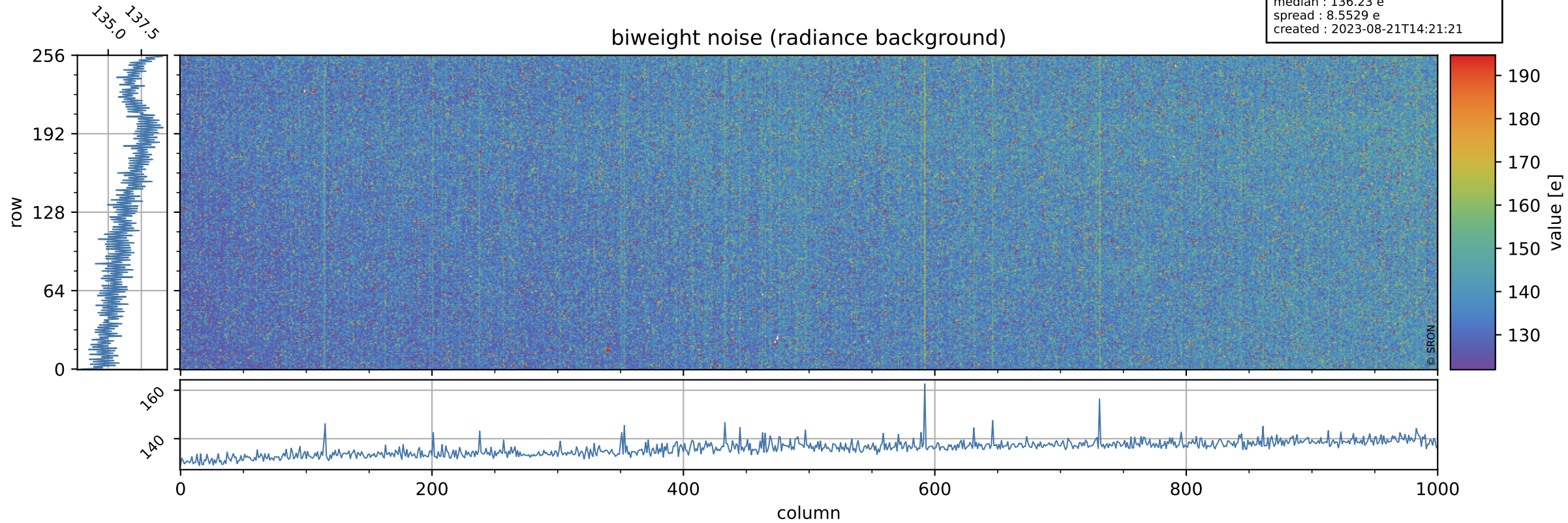




# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.5529 e  
created : 2023-08-21T14:21:21

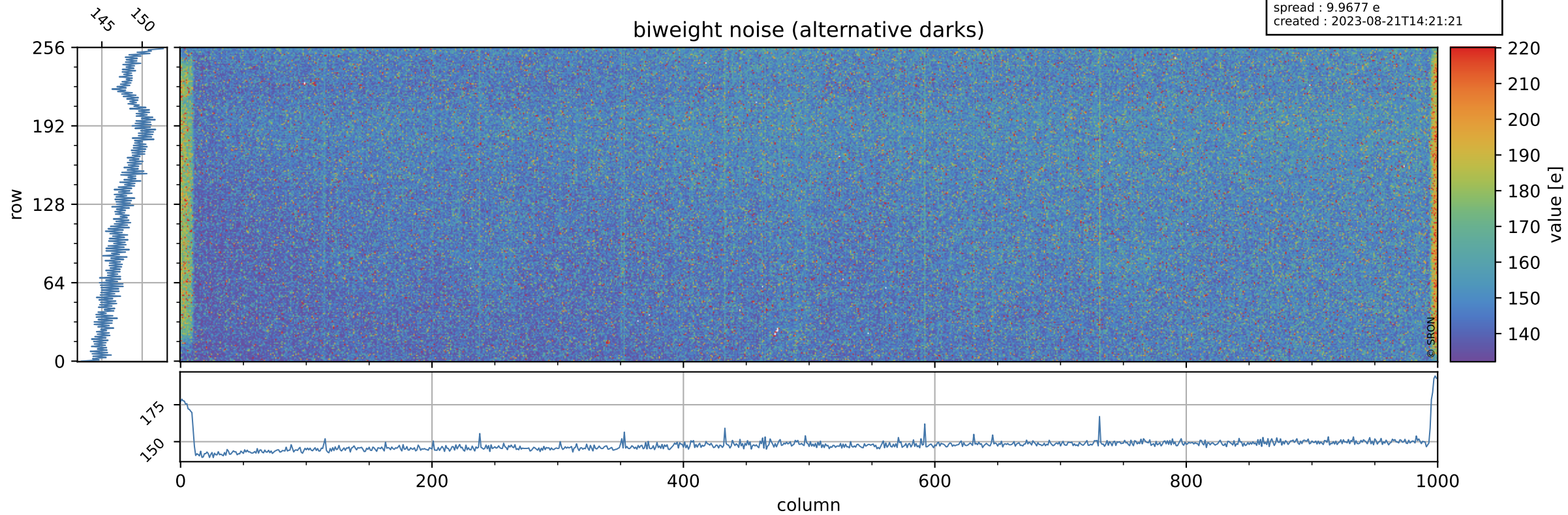
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 9.9677 e  
created : 2023-08-21T14:21:21

## biweight noise (alternative darks)

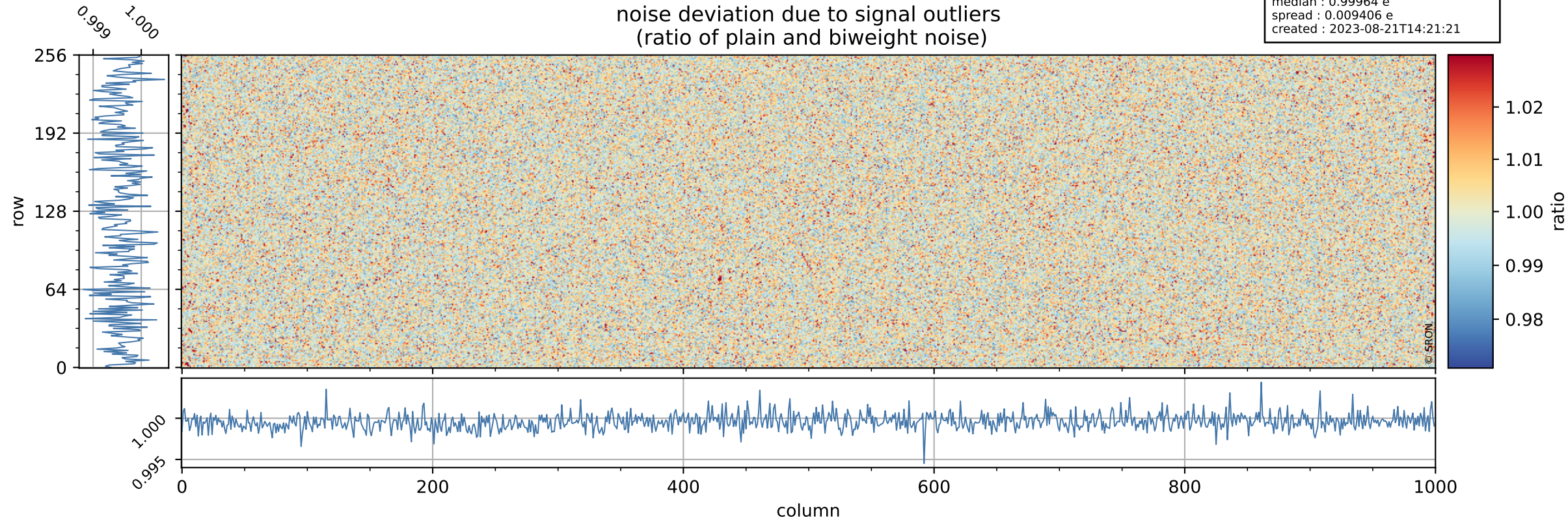




# Tropomi SWIR background noise (swir)

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

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
median : 0.99964 e  
spread : 0.009406 e  
created : 2023-08-21T14:21:21

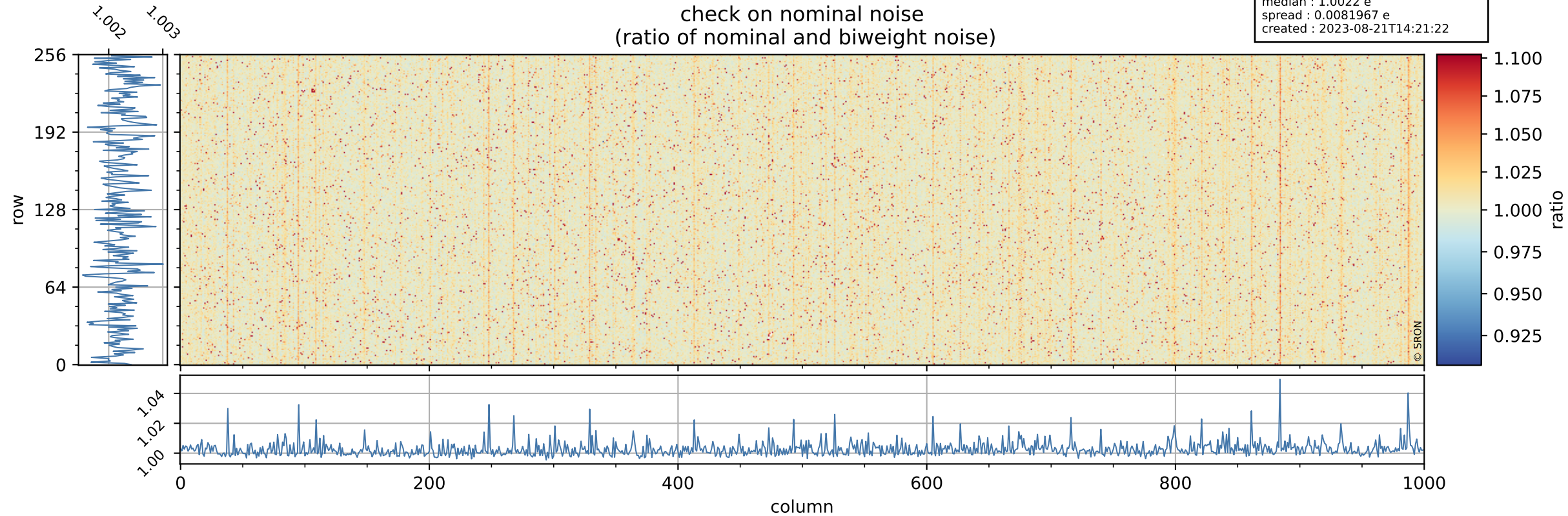




# Tropomi SWIR background noise (swir)

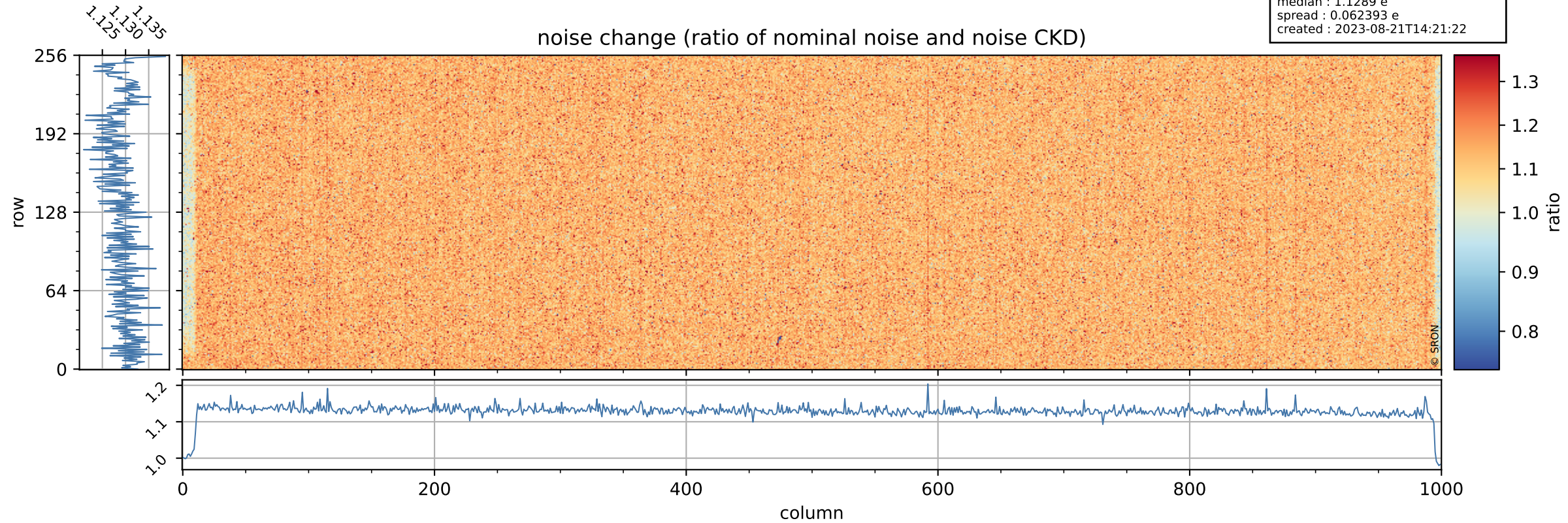
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
median : 1.0022 e  
spread : 0.0081967 e  
created : 2023-08-21T14:21:22



# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
median : 1.1289 e  
spread : 0.062393 e  
created : 2023-08-21T14:21:22

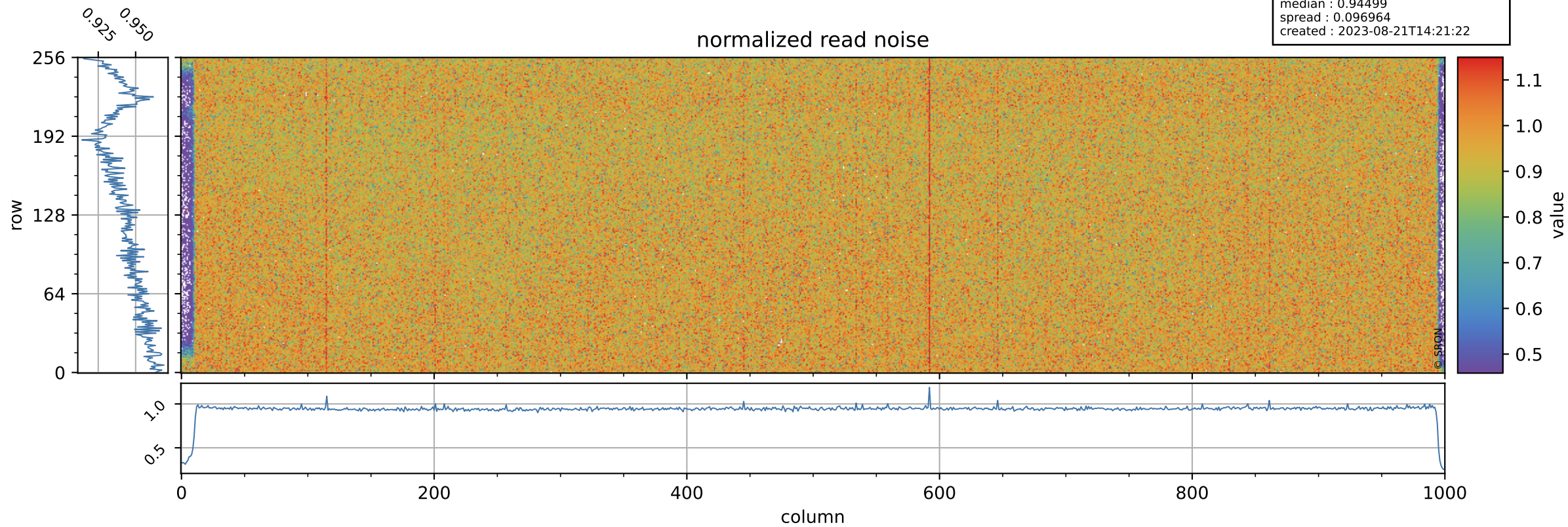




# Tropomi SWIR background noise (swir)

orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
median : 0.94499  
spread : 0.096964  
created : 2023-08-21T14:21:22

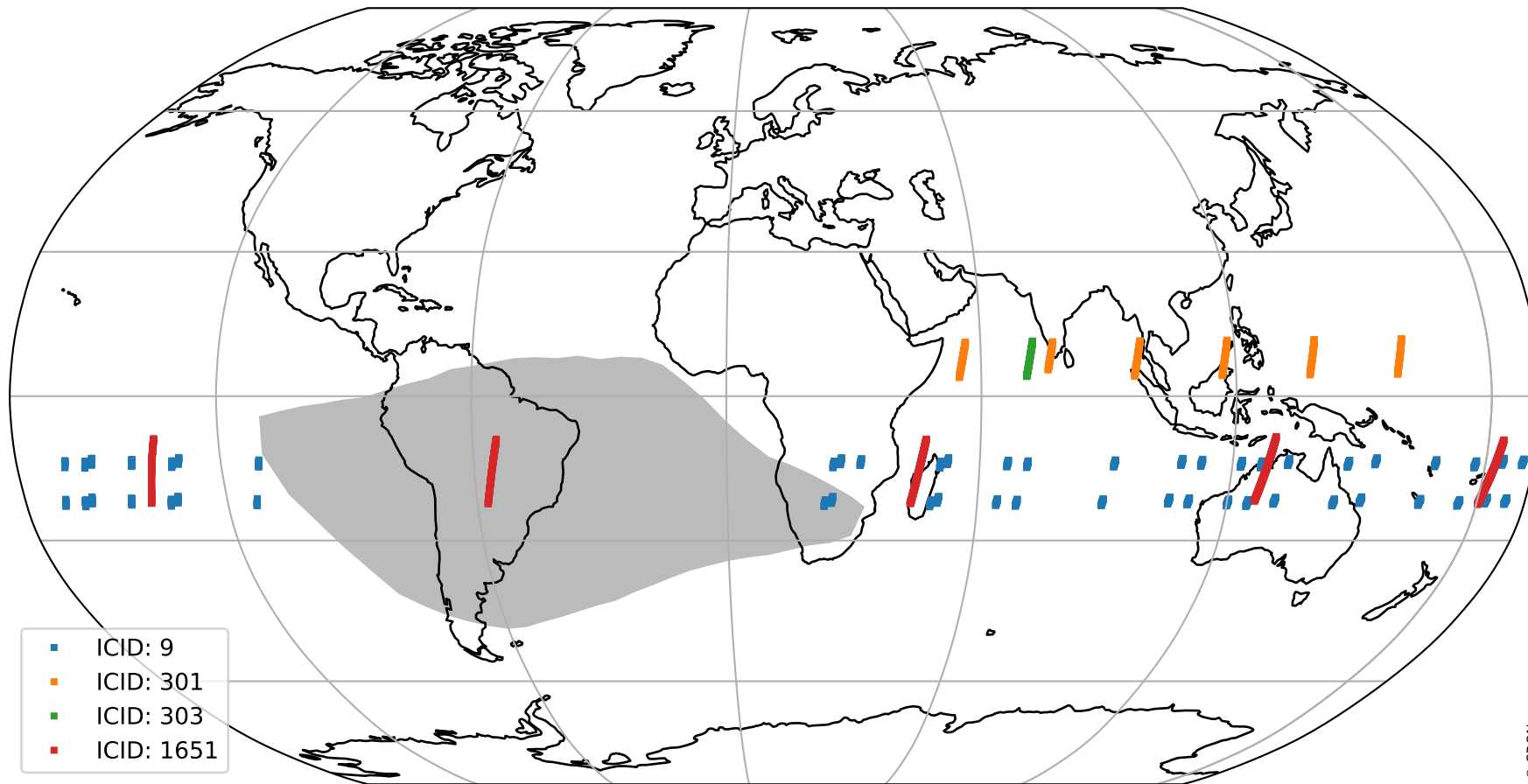
## normalized read noise





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

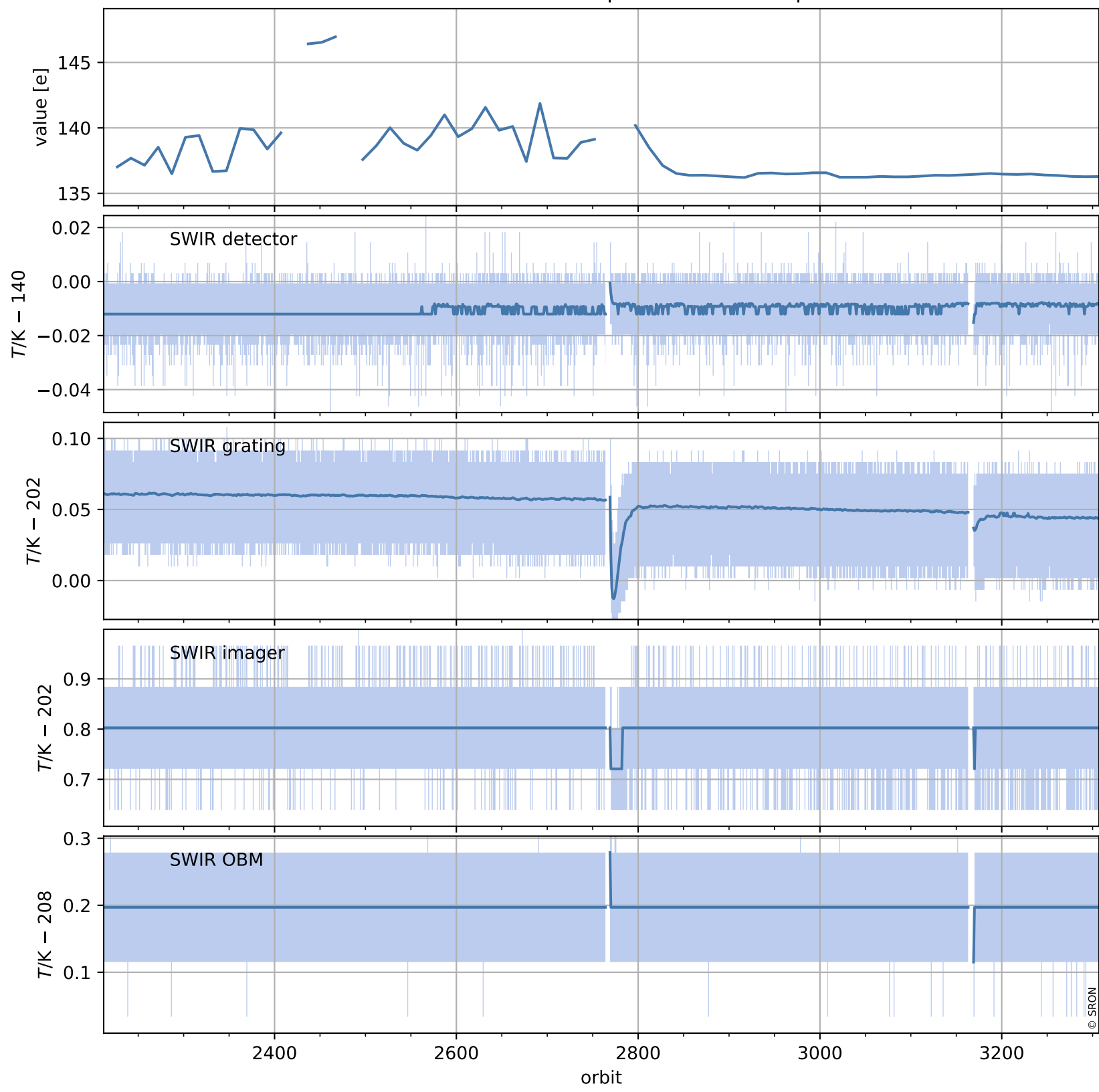
orbits : 12 in [3217, 3307]  
coverage : 2018-05-28 / 2018-06-03  
created : 2023-08-21T14:21:23



# Tropomi SWIR background noise (swir)

orbits : [2212, 3307]  
coverage : 2018-03-18 / 2018-06-03  
created : 2023-08-21T14:21:23

## trend of detector median of plain noise & temperatures

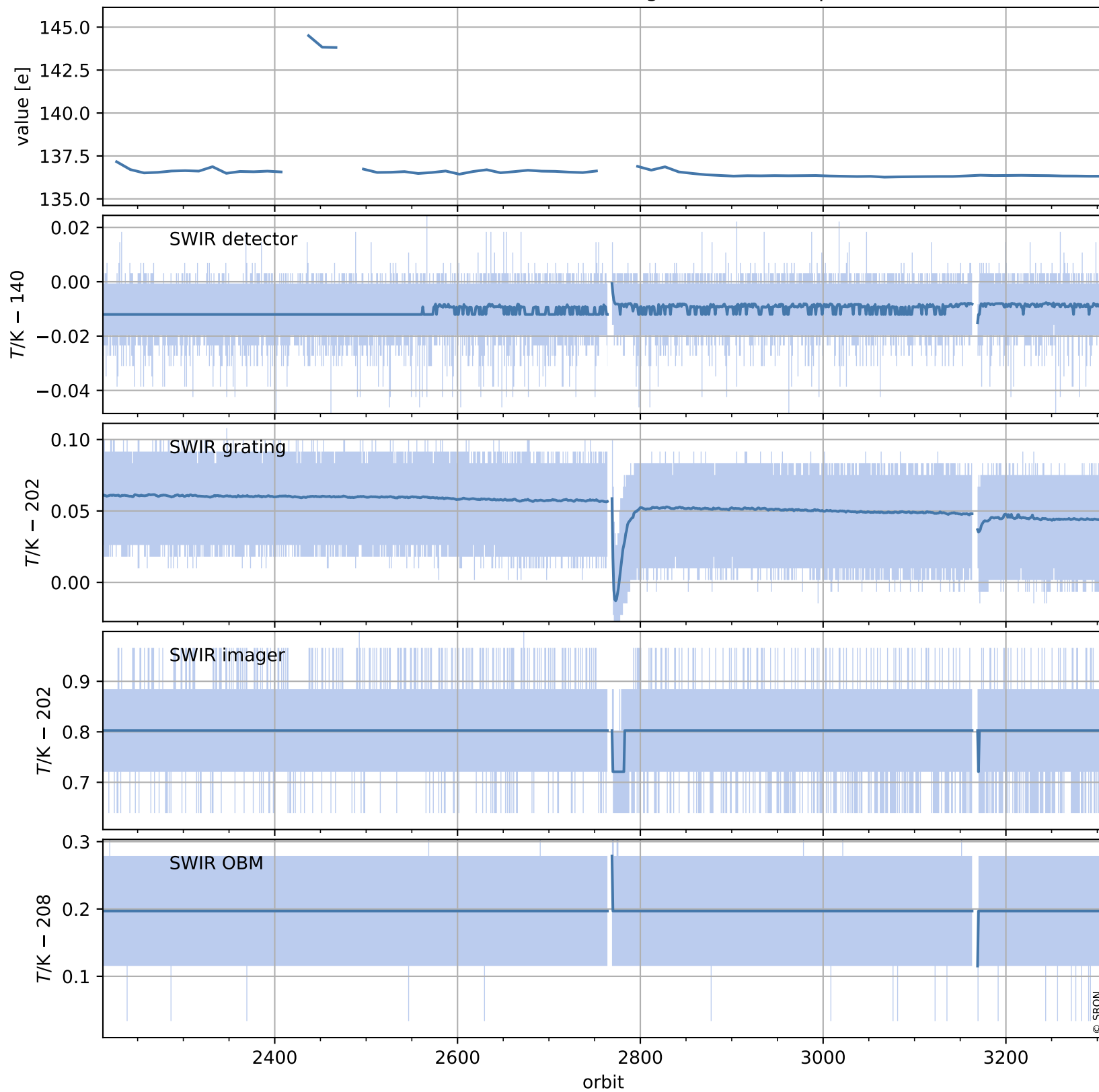




# Tropomi SWIR background noise (swir)

orbits : [2212, 3307]  
coverage : 2018-03-18 / 2018-06-03  
created : 2023-08-21T14:21:23

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3307]  
coverage : 2018-03-18 / 2018-06-03  
created : 2023-08-21T14:21:24

## trend of normalized read-noise & temperatures

