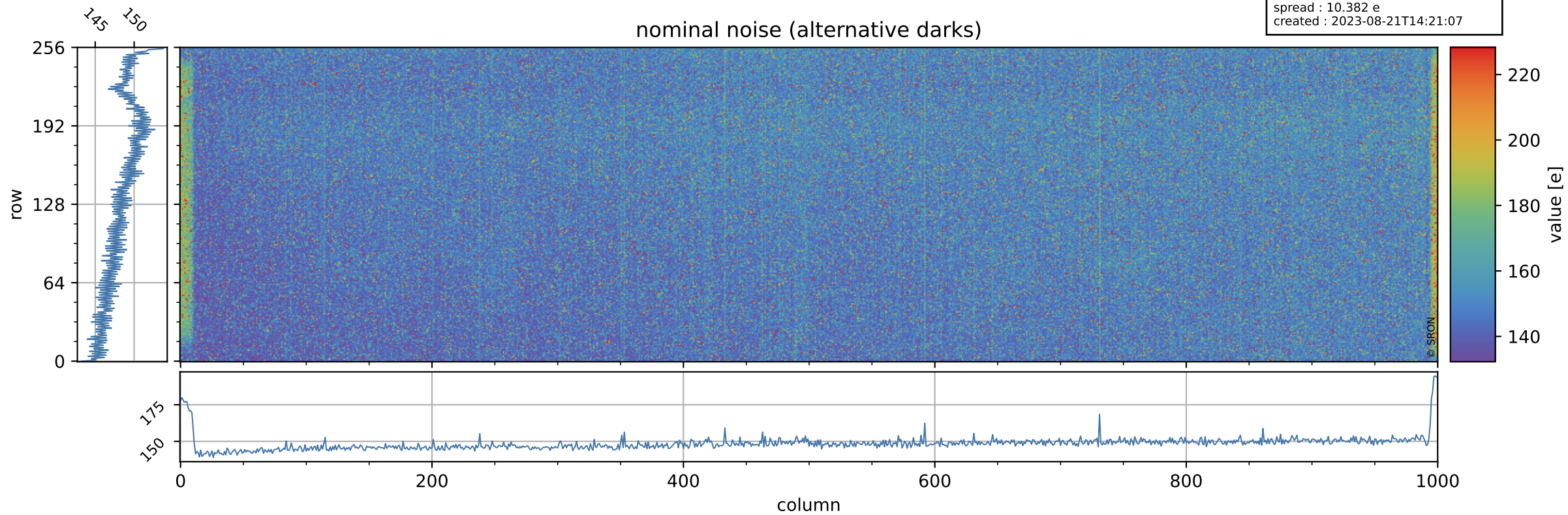


# Tropomi SWIR background noise (swir)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
n\_coad, t\_exp : 1, 1.0783  
median : 148.29 e  
spread : 10.382 e  
created : 2023-08-21T14:21:07

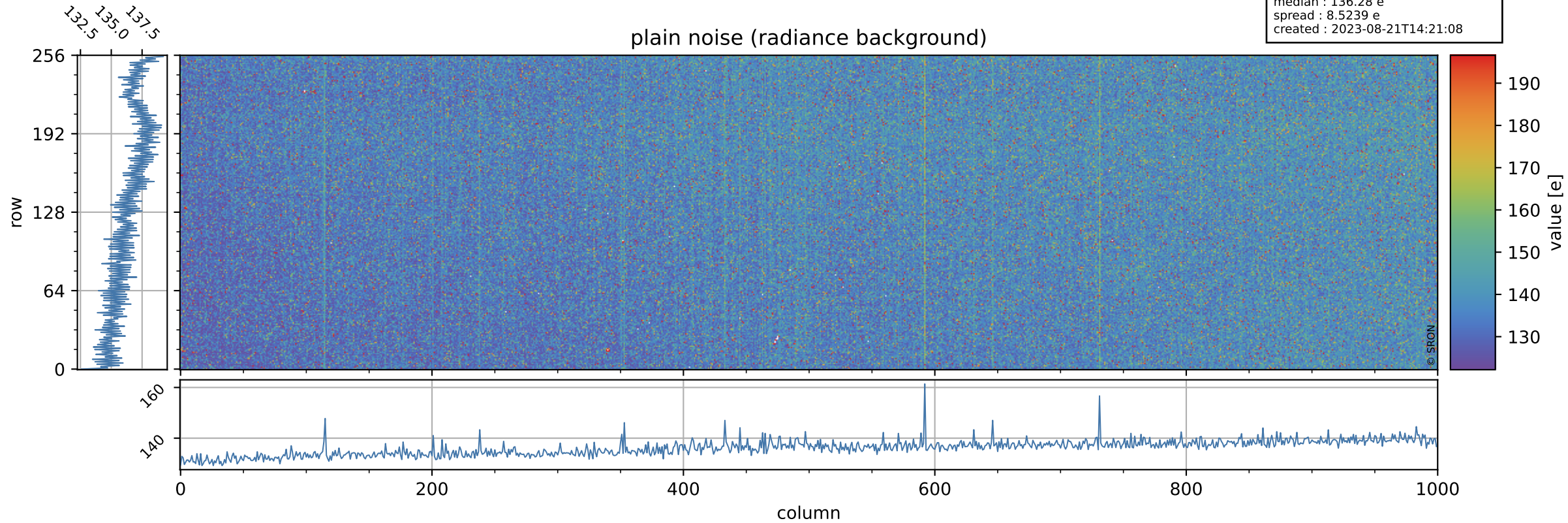
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.28 e  
spread : 8.5239 e  
created : 2023-08-21T14:21:08

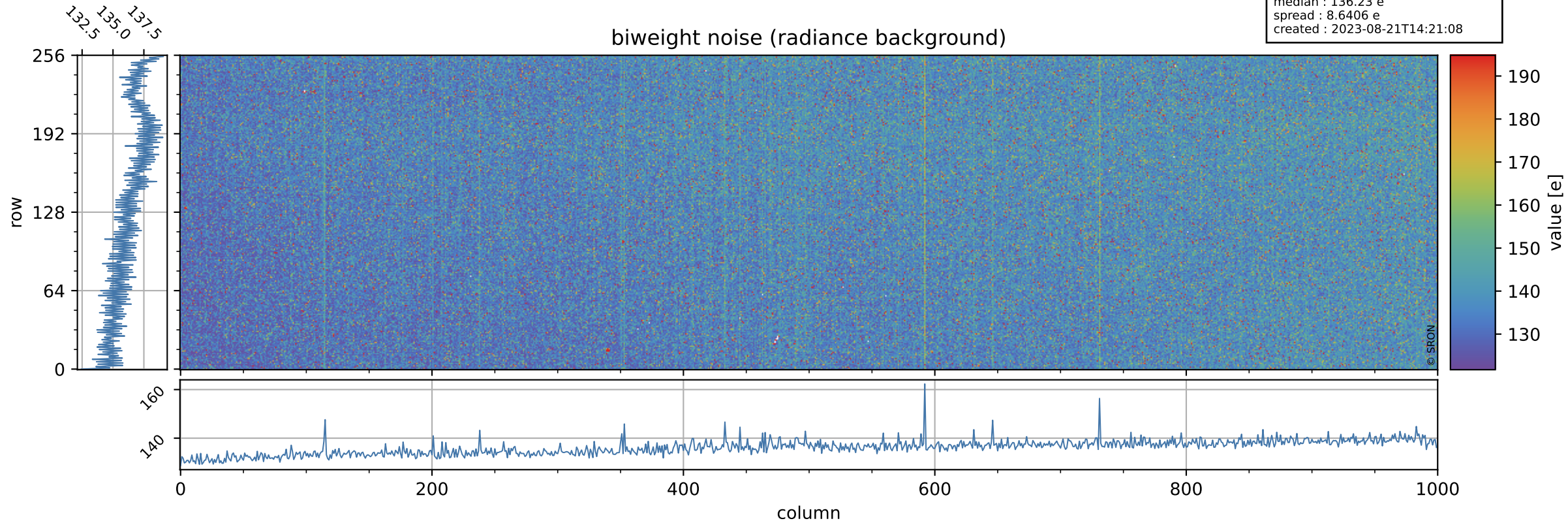
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.6406 e  
created : 2023-08-21T14:21:08

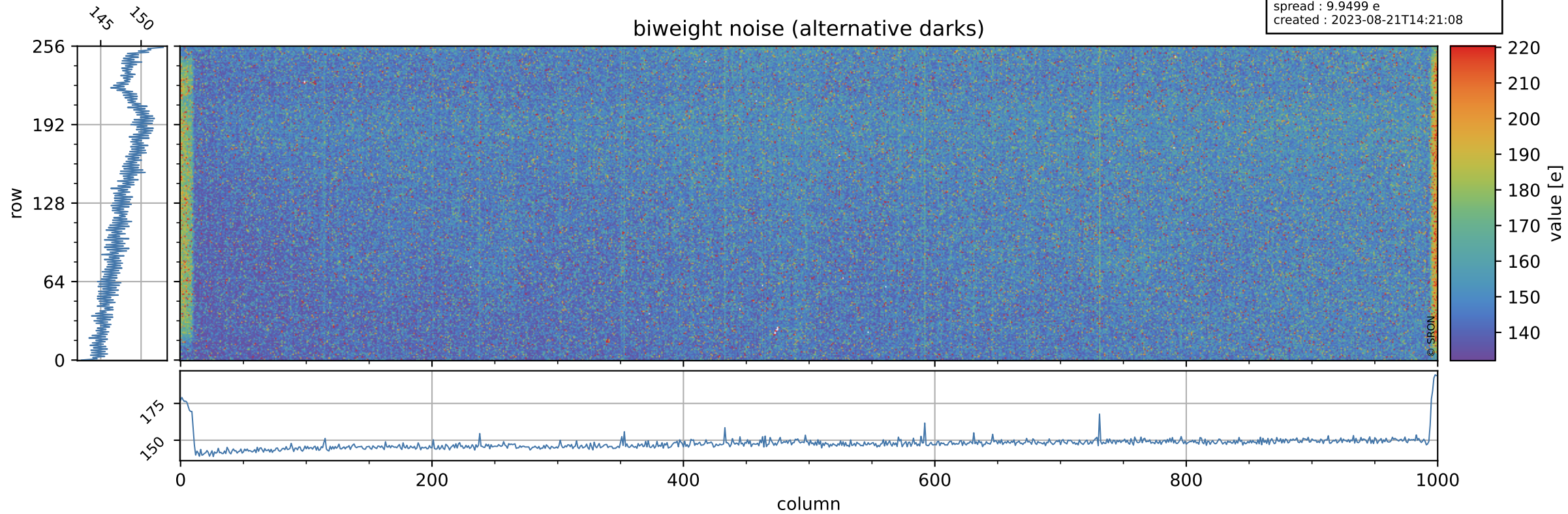
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 9.9499 e  
created : 2023-08-21T14:21:08

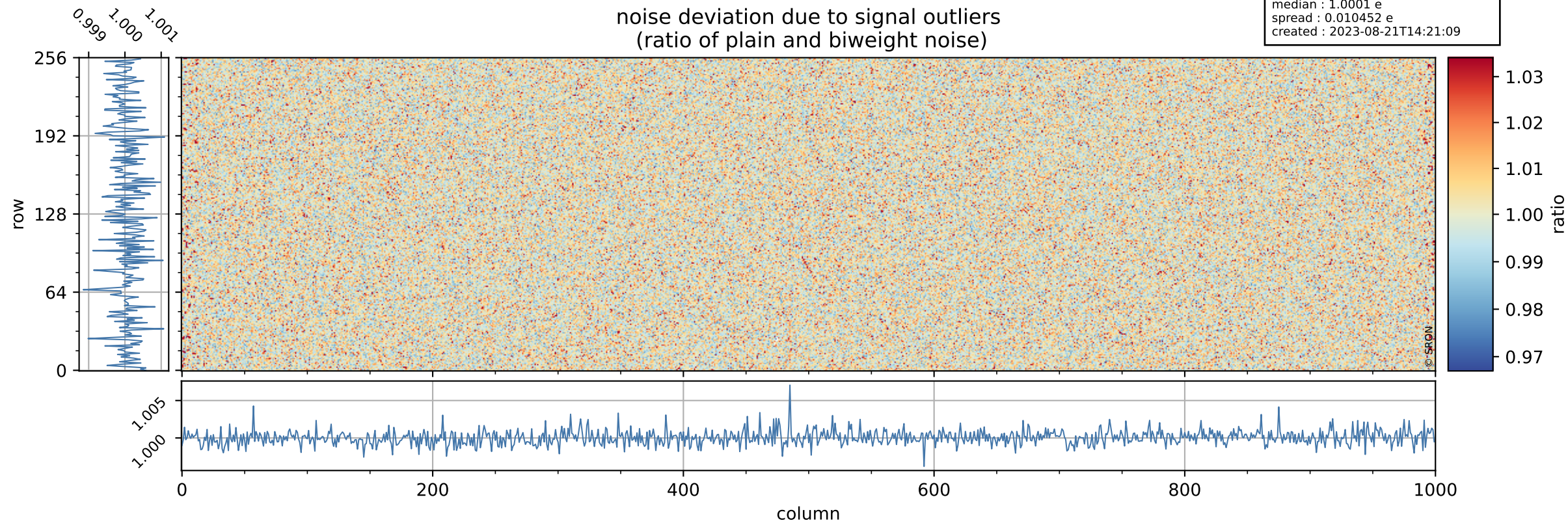
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

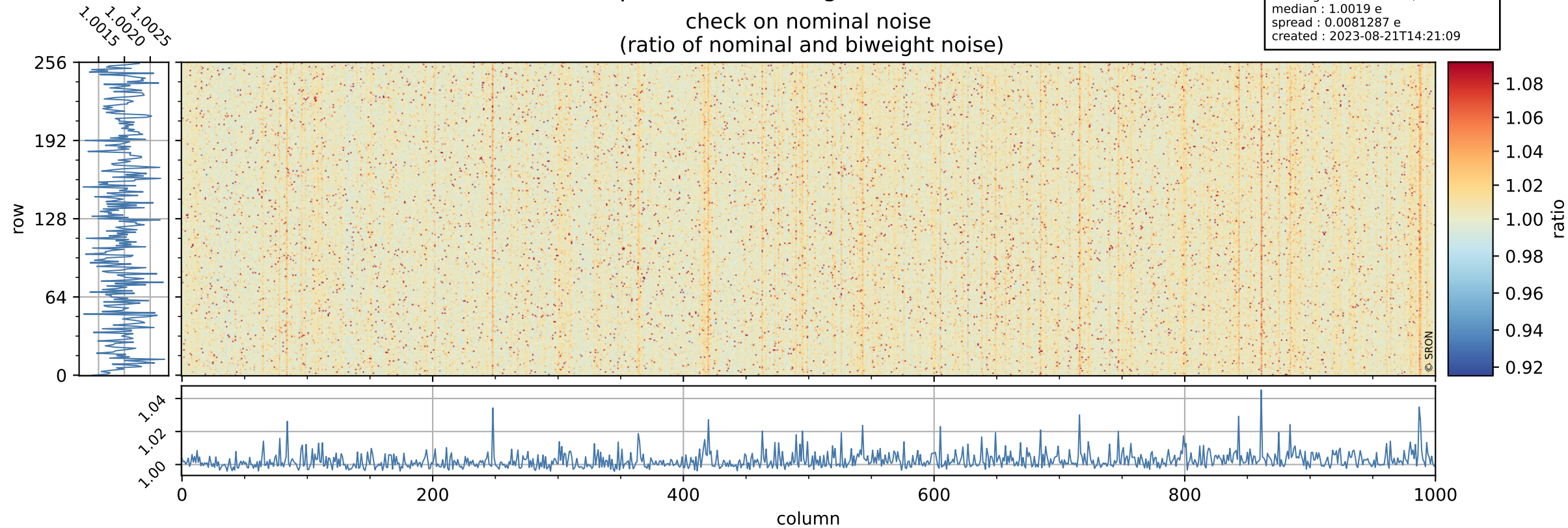
orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
median : 1.0001 e  
spread : 0.010452 e  
created : 2023-08-21T14:21:09



# Tropomi SWIR background noise (swir)

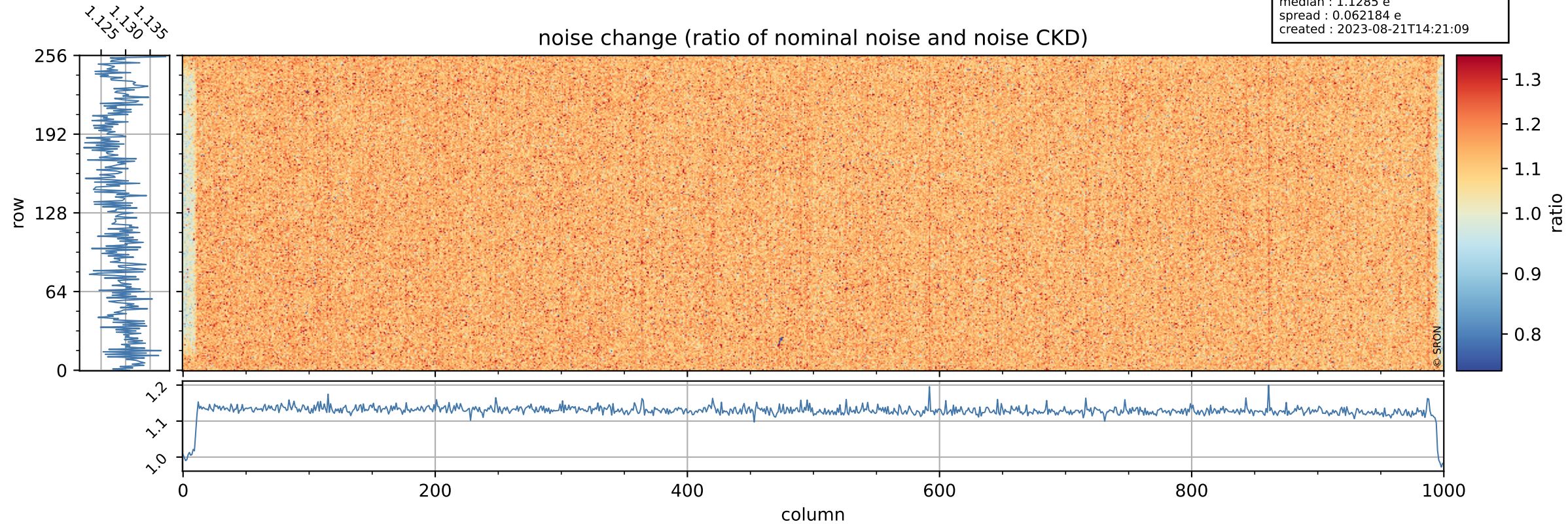
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
median : 1.0019 e  
spread : 0.0081287 e  
created : 2023-08-21T14:21:09



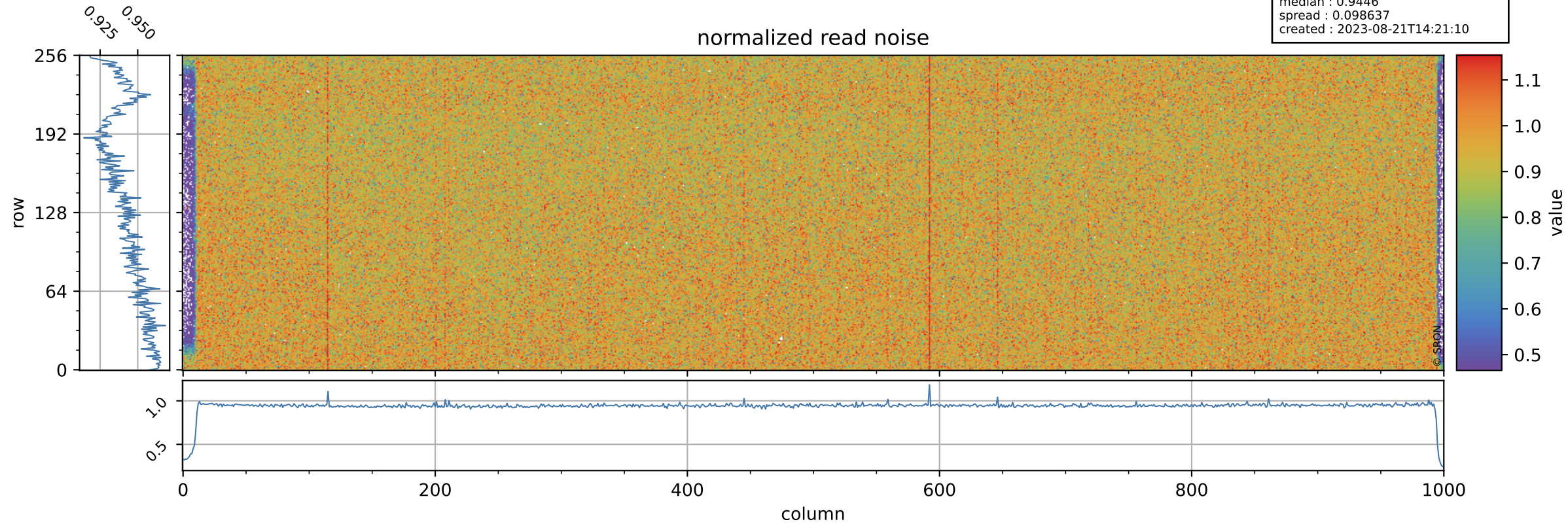
# Tropomi SWIR background noise (swir)

orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
median : 1.1285 e  
spread : 0.062184 e  
created : 2023-08-21T14:21:09



# Tropomi SWIR background noise (swir)

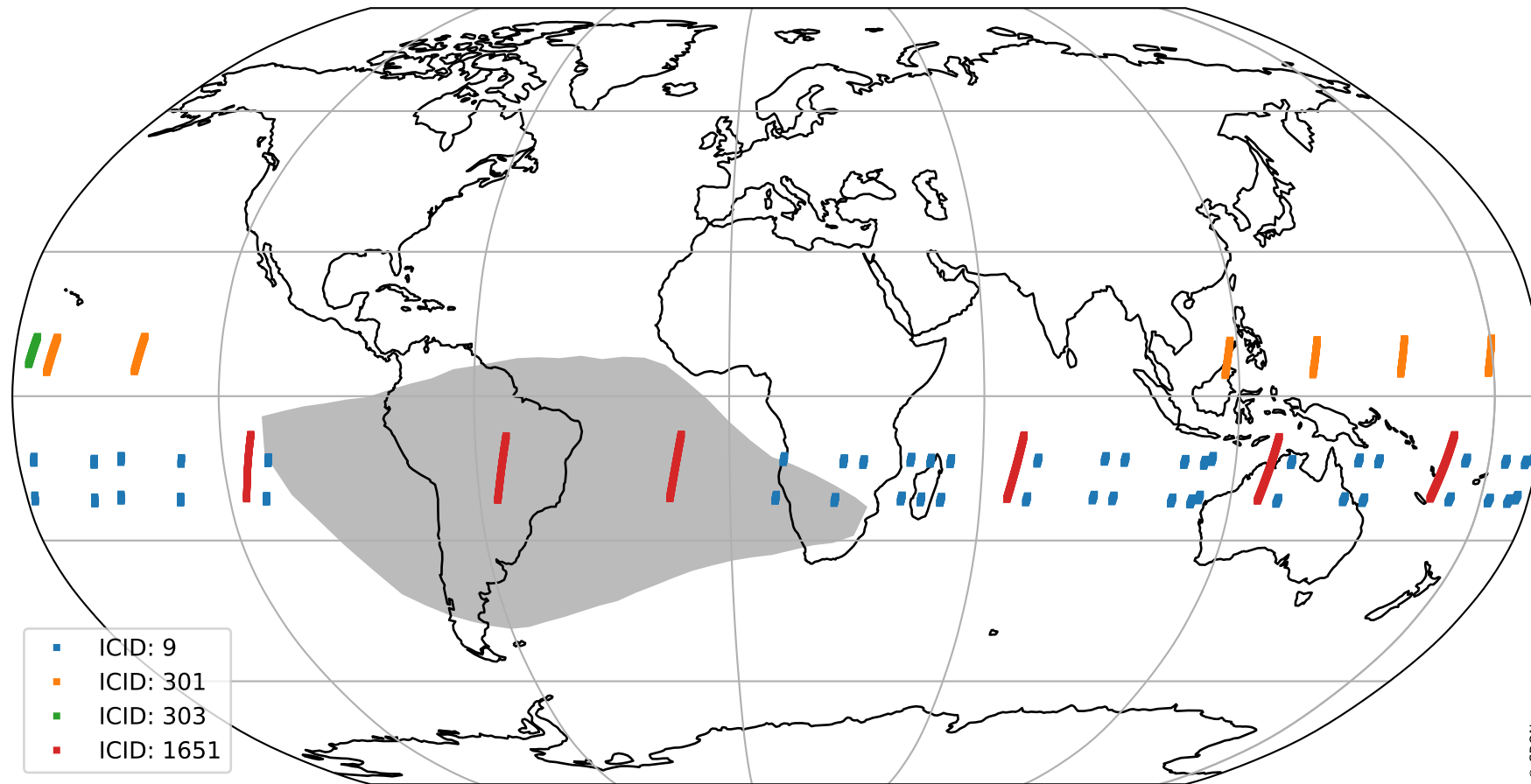
orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
median : 0.9446  
spread : 0.098637  
created : 2023-08-21T14:21:10





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

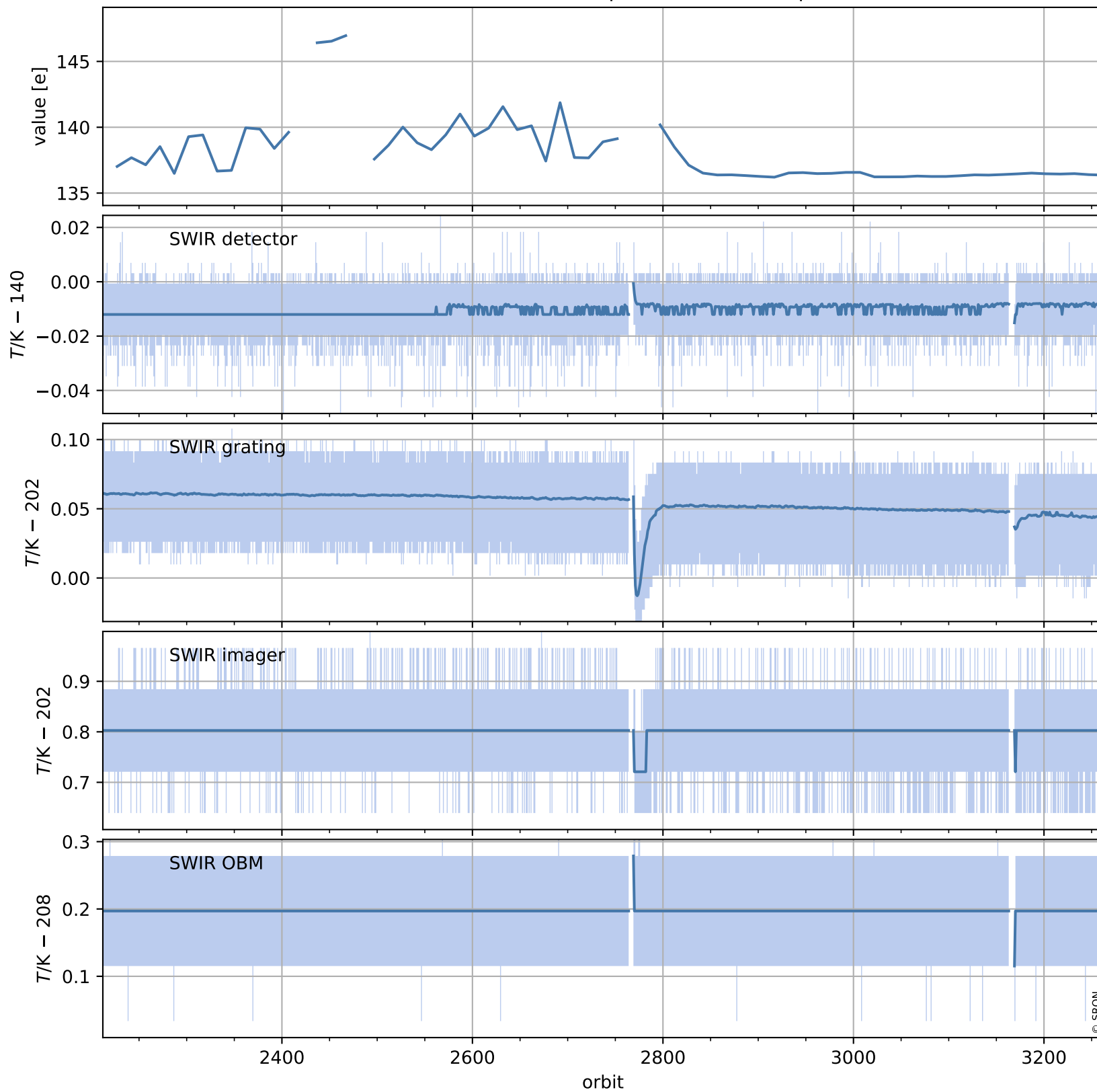
orbits : 13 in [3187, 3262]  
coverage : 2018-05-25 / 2018-05-30  
created : 2023-08-21T14:21:10



# Tropomi SWIR background noise (swir)

orbits : [2212, 3262]  
coverage : 2018-03-18 / 2018-05-30  
created : 2023-08-21T14:21:10

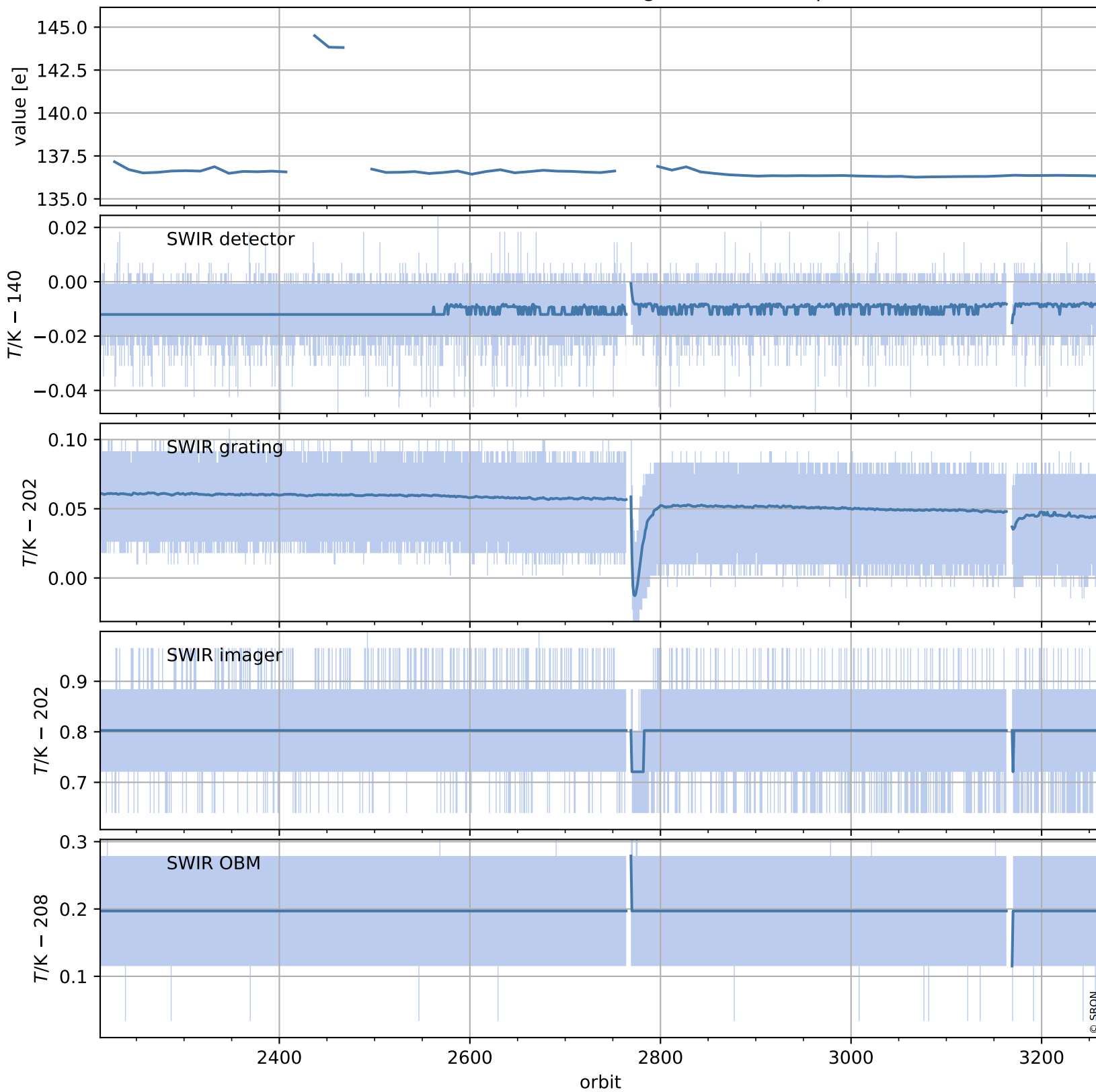
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3262]  
coverage : 2018-03-18 / 2018-05-30  
created : 2023-08-21T14:21:11

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3262]  
coverage : 2018-03-18 / 2018-05-30  
created : 2023-08-21T14:21:11

## trend of normalized read-noise & temperatures

