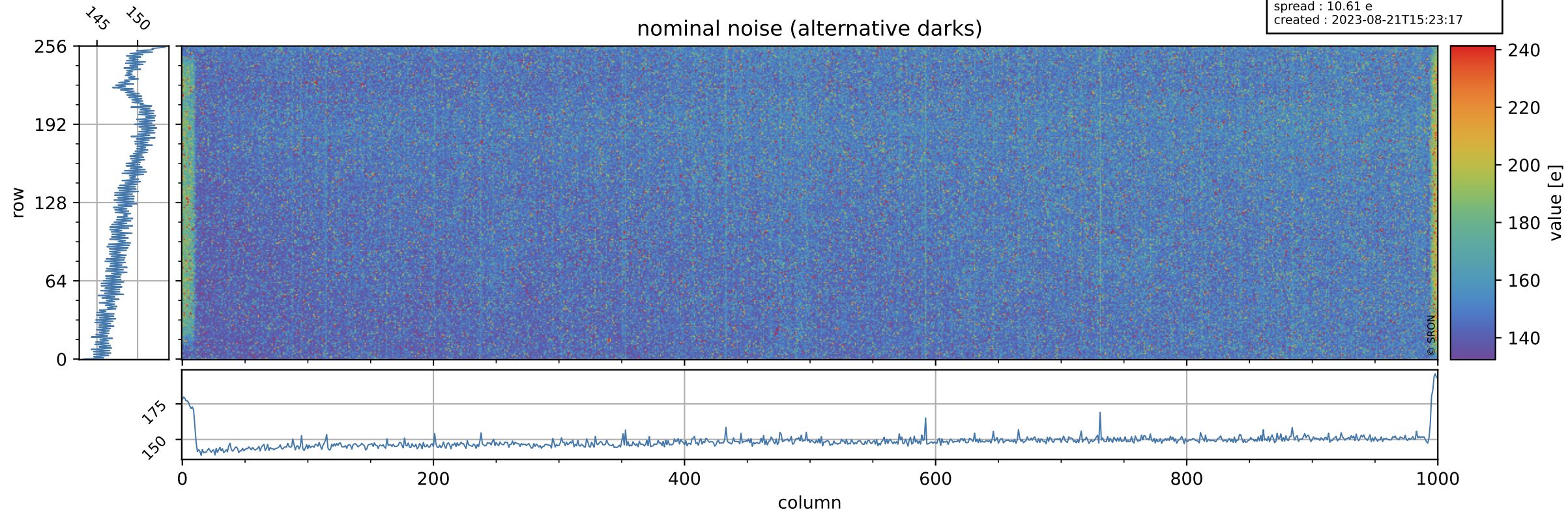


# Tropomi SWIR background noise (swir)

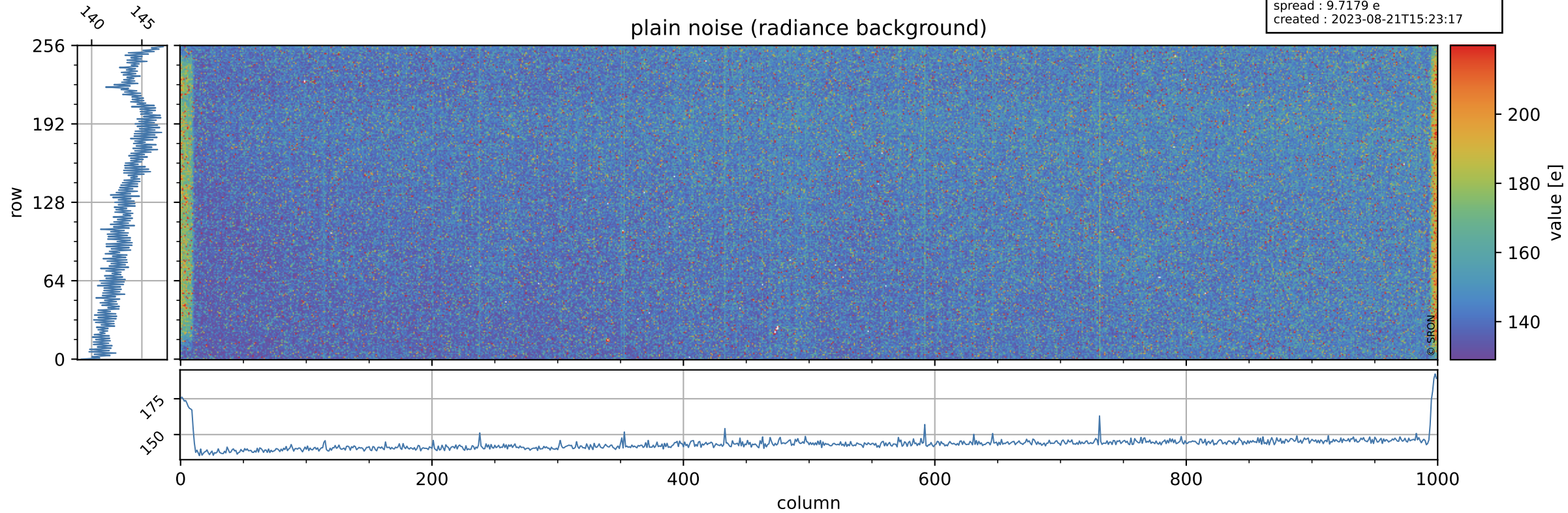
orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.45 e  
spread : 10.61 e  
created : 2023-08-21T15:23:17



# Tropomi SWIR background noise (swir)

orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.34 e  
spread : 9.7179 e  
created : 2023-08-21T15:23:17

## plain noise (radiance background)

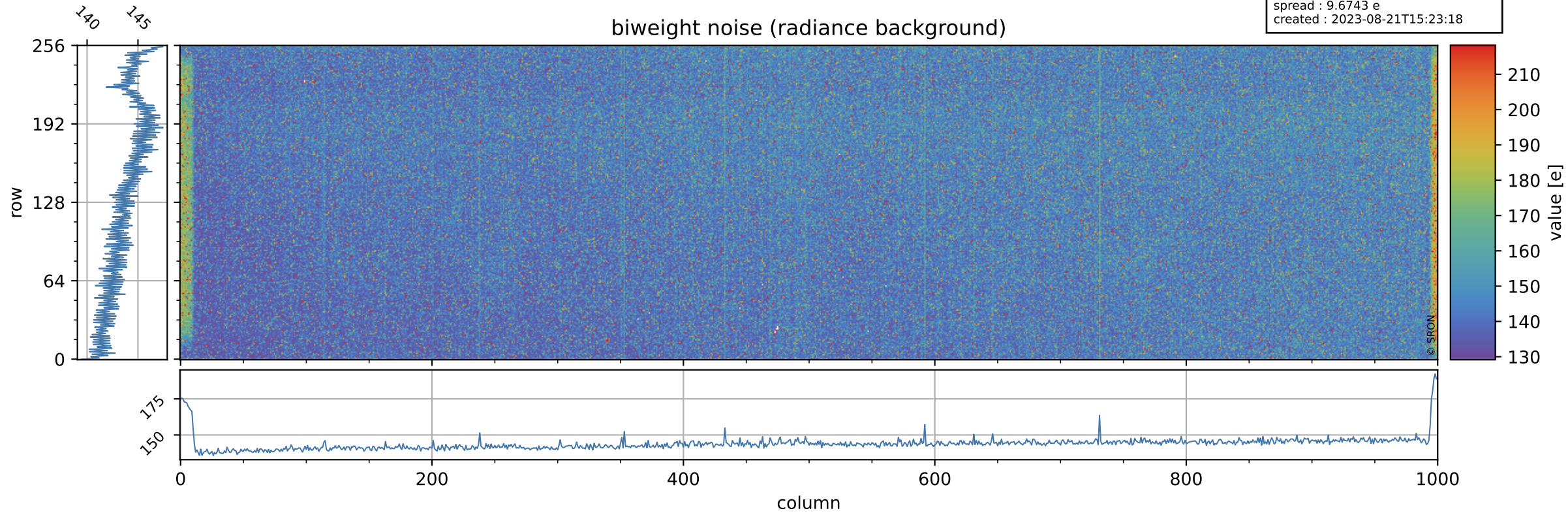




# Tropomi SWIR background noise (swir)

orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
n\_coad, t\_exp : 1, 0.8383  
median : 143.68 e  
spread : 9.6743 e  
created : 2023-08-21T15:23:18

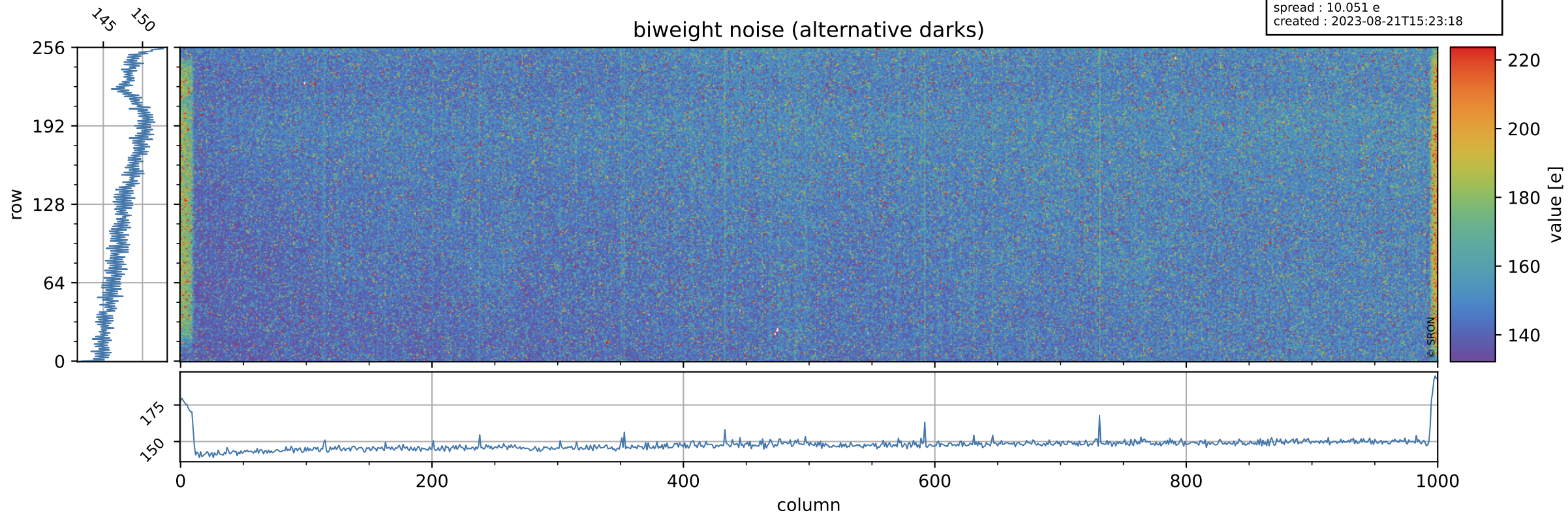
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.051 e  
created : 2023-08-21T15:23:18

## biweight noise (alternative darks)

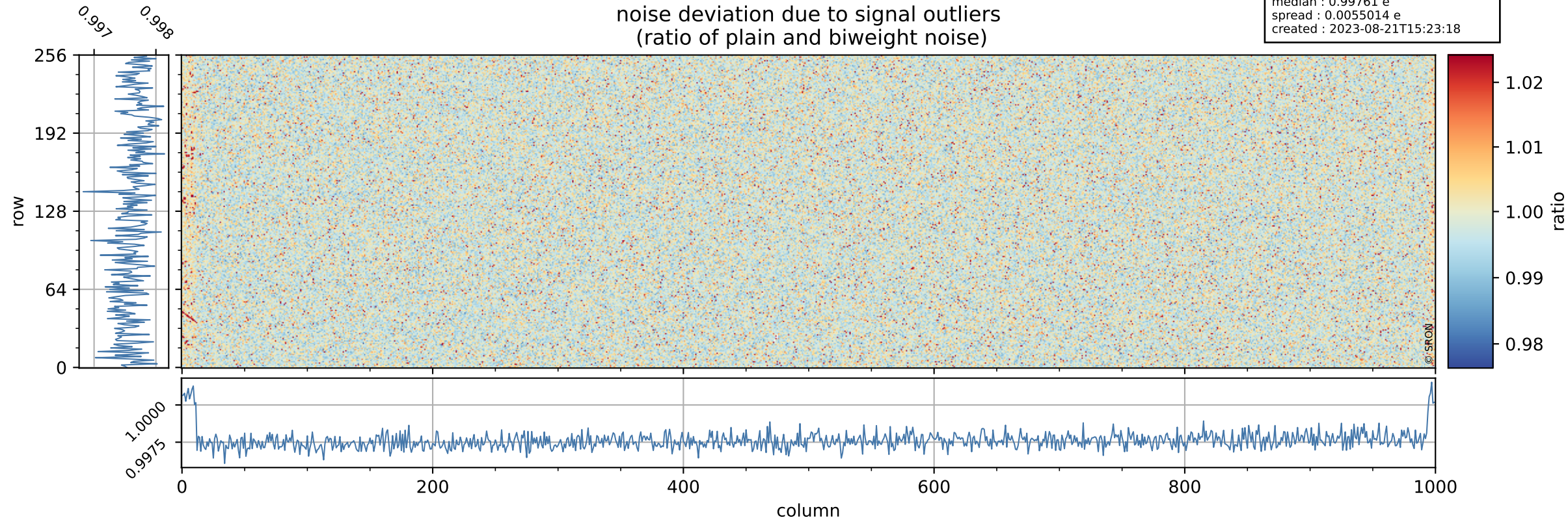




# Tropomi SWIR background noise (swir)

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

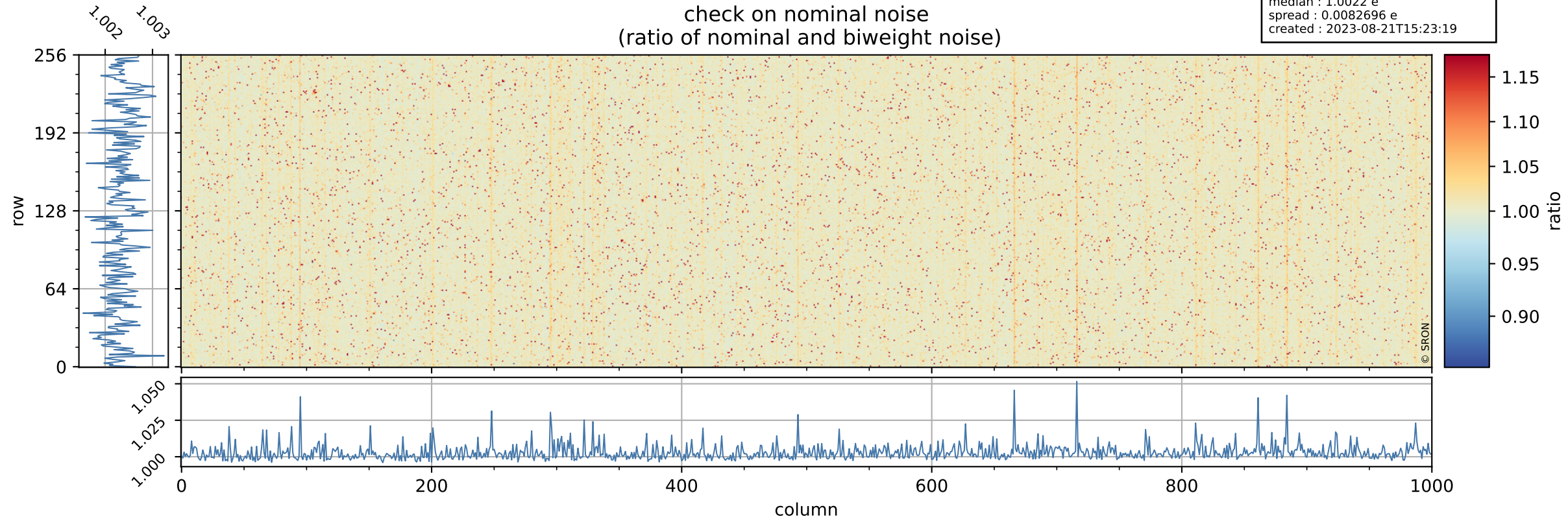
orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
median : 0.99761 e  
spread : 0.0055014 e  
created : 2023-08-21T15:23:18



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
median : 1.0022 e  
spread : 0.0082696 e  
created : 2023-08-21T15:23:19

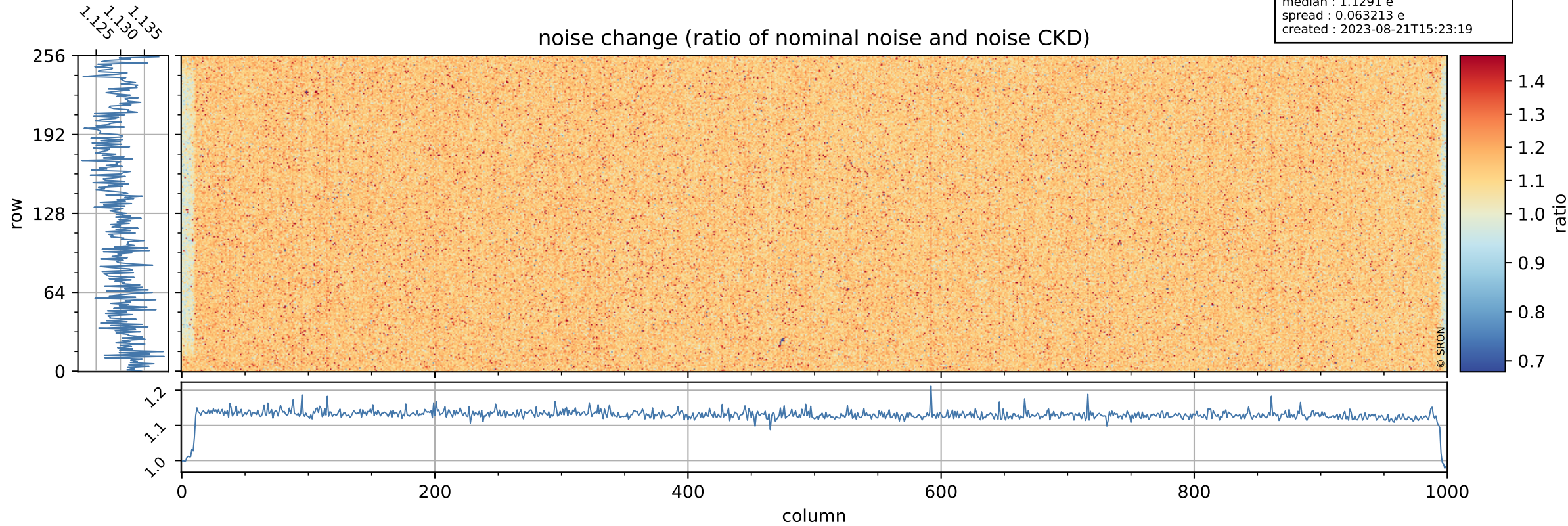




# Tropomi SWIR background noise (swir)

orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
median : 1.1291 e  
spread : 0.063213 e  
created : 2023-08-21T15:23:19

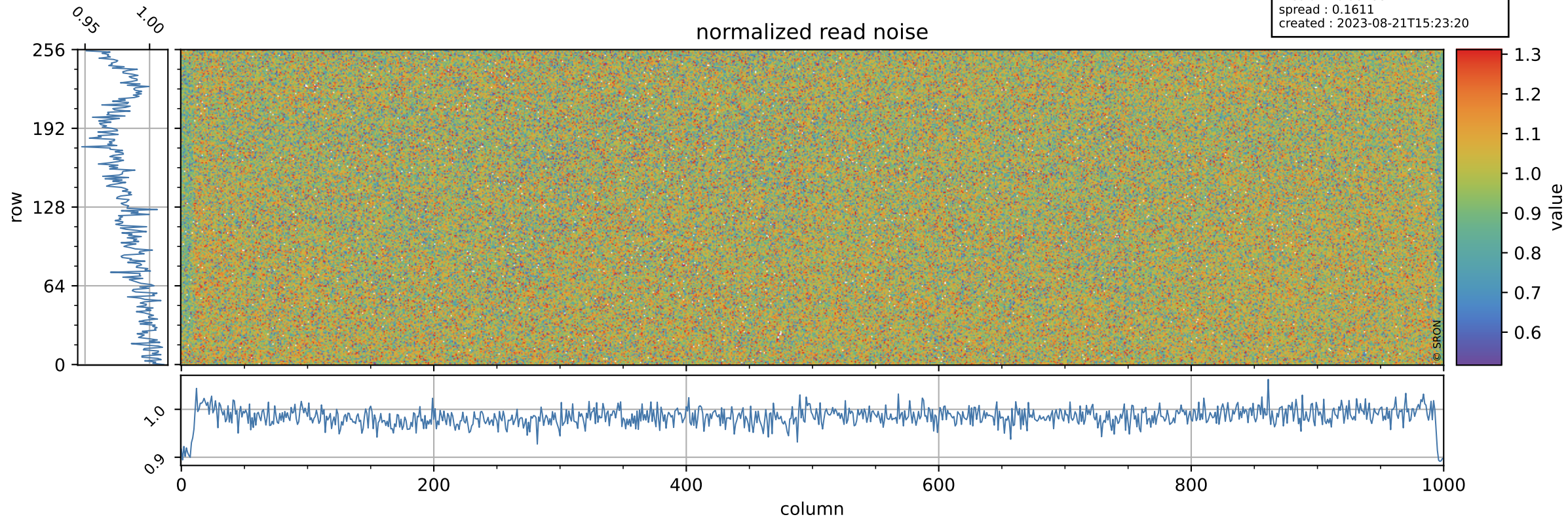
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

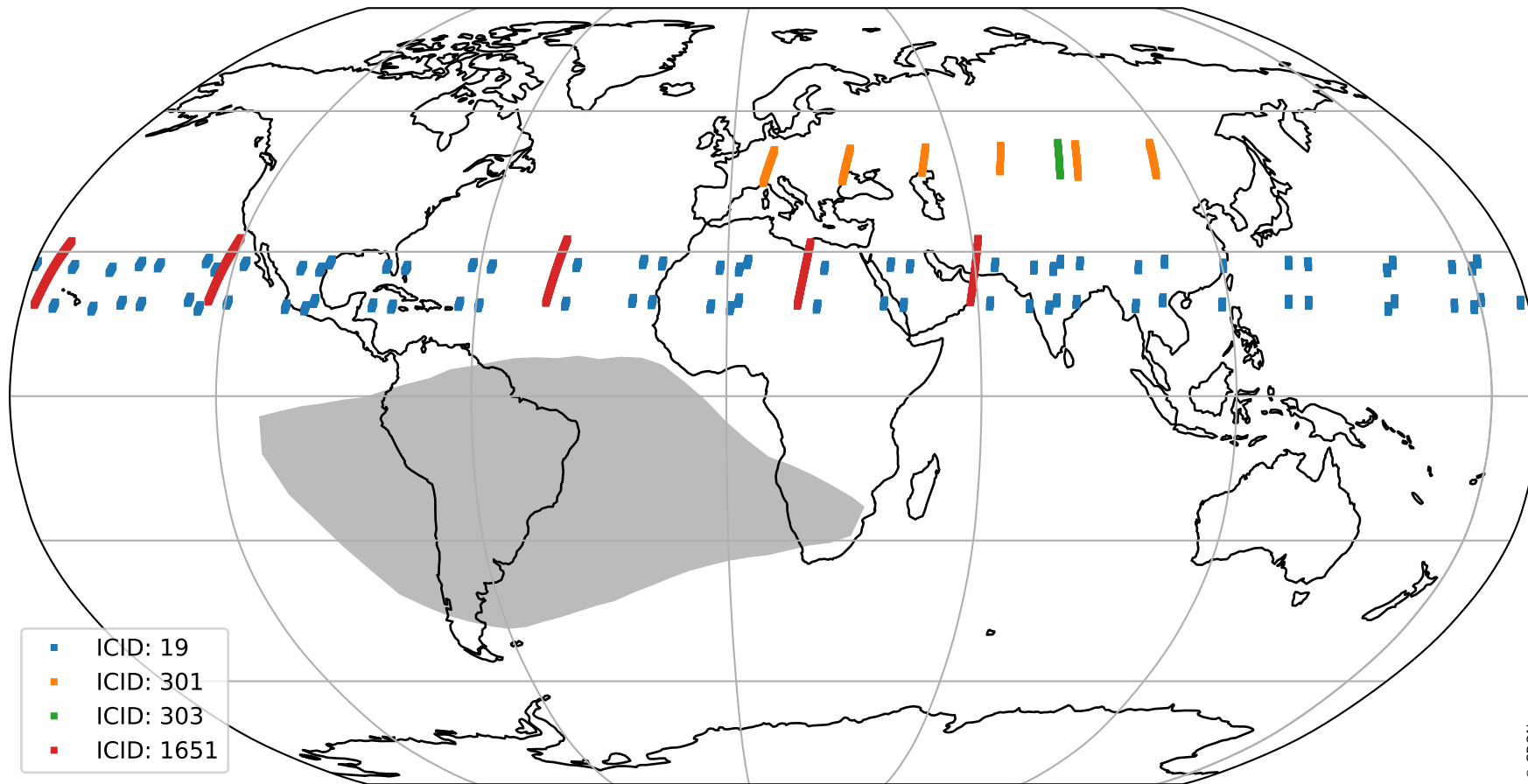
orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
median : 0.98288  
spread : 0.1611  
created : 2023-08-21T15:23:20





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

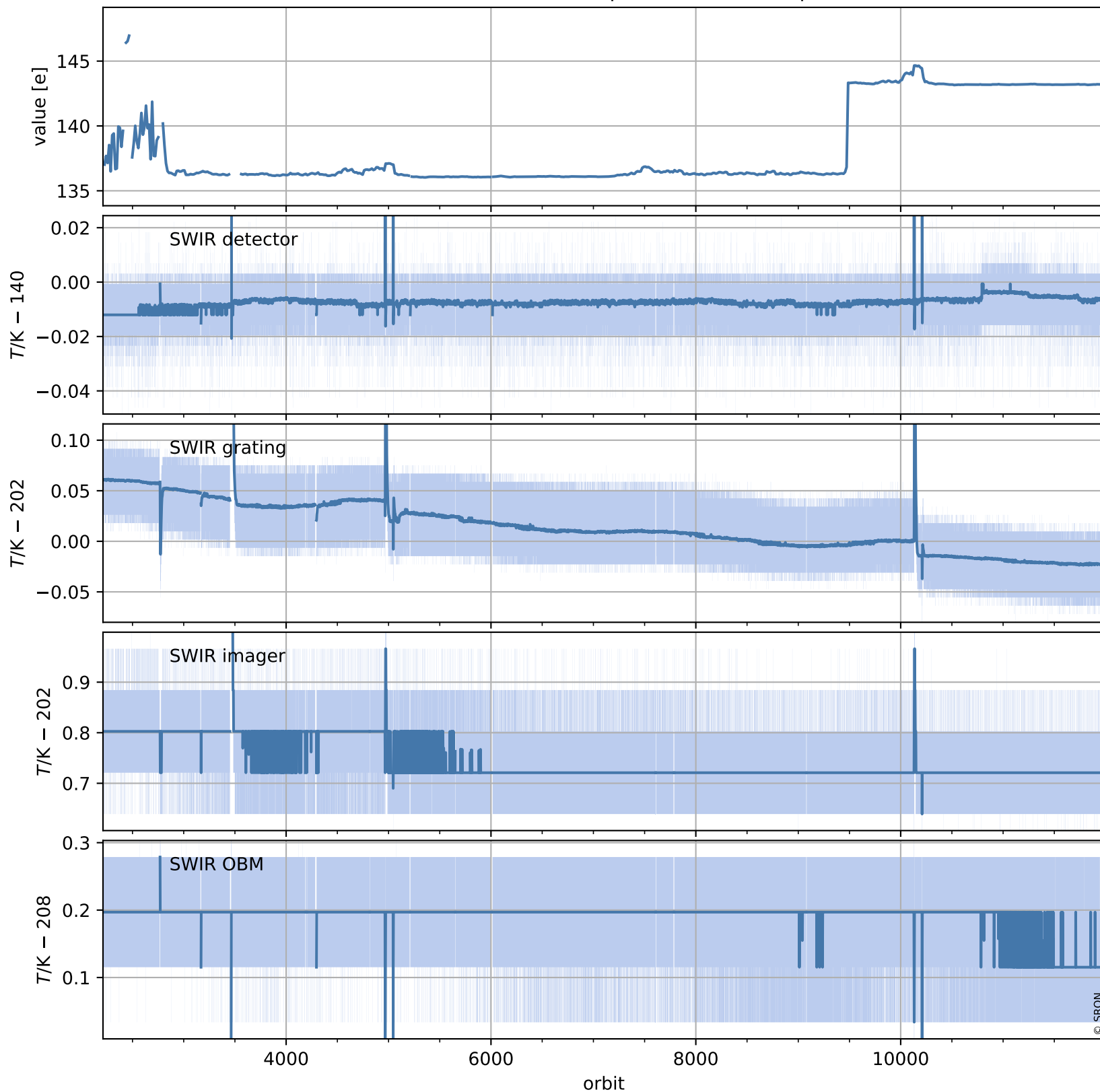
orbits : 12 in [11917, 11992]  
coverage : 2020-01-30 / 2020-02-05  
created : 2023-08-21T15:23:20



# Tropomi SWIR background noise (swir)

orbits : [2212, 11992]  
coverage : 2018-03-18 / 2020-02-05  
created : 2023-08-21T15:23:20

## trend of detector median of plain noise & temperatures

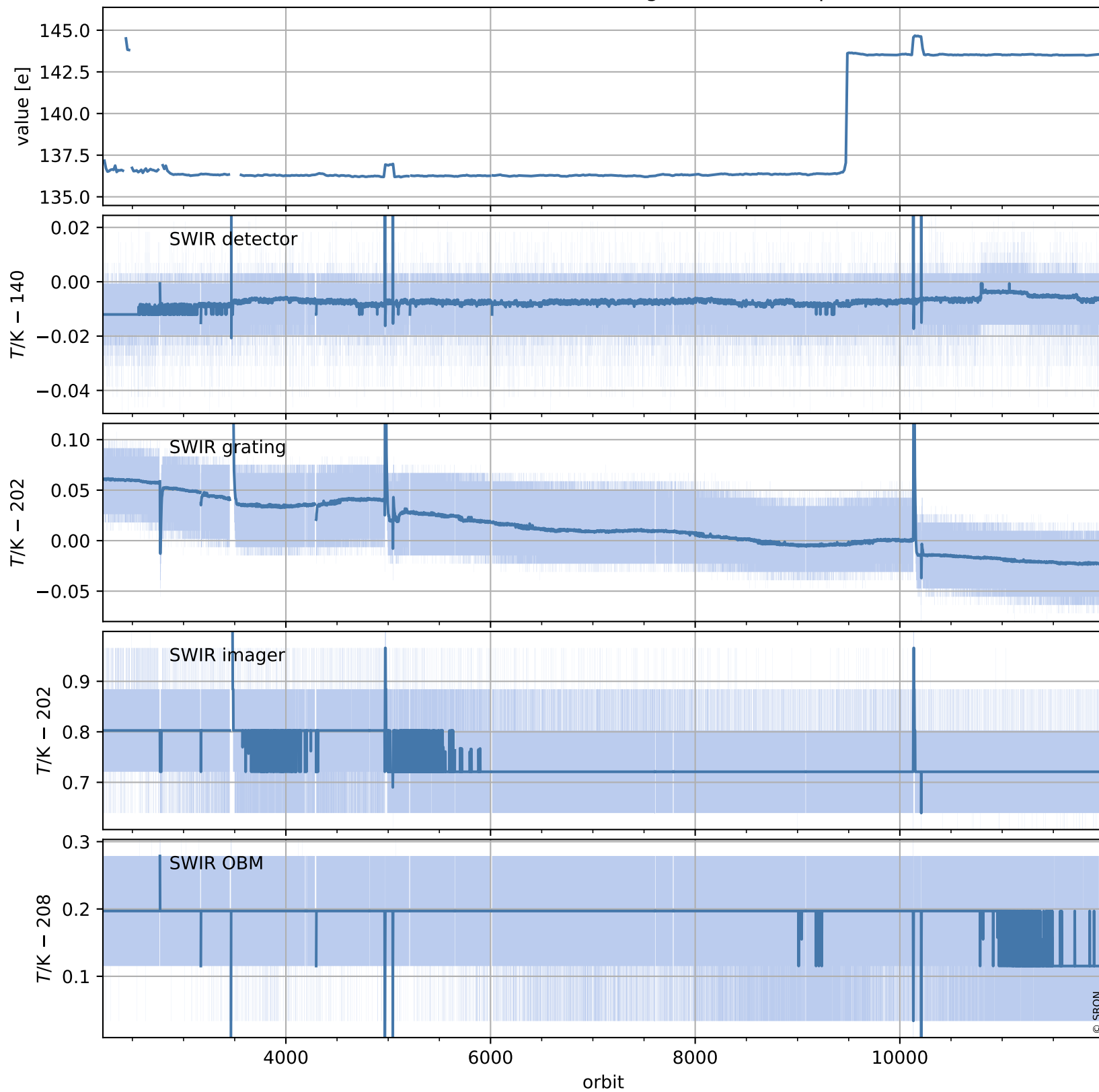




# Tropomi SWIR background noise (swir)

orbits : [2212, 11992]  
coverage : 2018-03-18 / 2020-02-05  
created : 2023-08-21T15:23:21

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11992]  
coverage : 2018-03-18 / 2020-02-05  
created : 2023-08-21T15:23:21

## trend of normalized read-noise & temperatures

