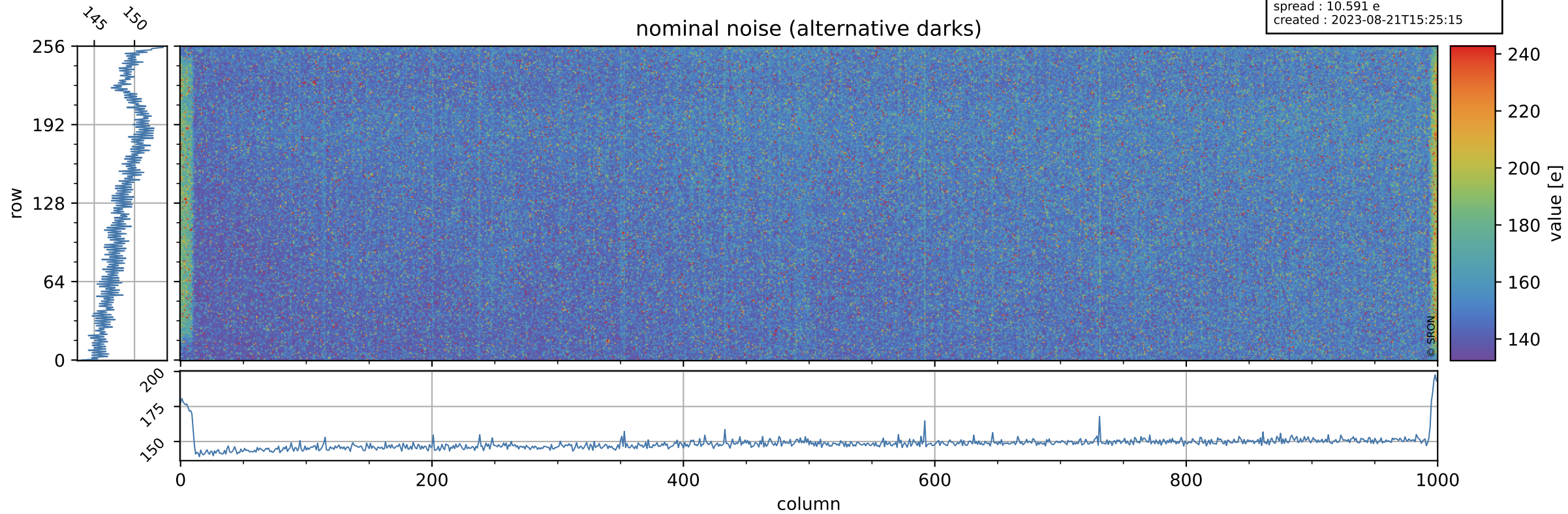


# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.45 e  
spread : 10.591 e  
created : 2023-08-21T15:25:15

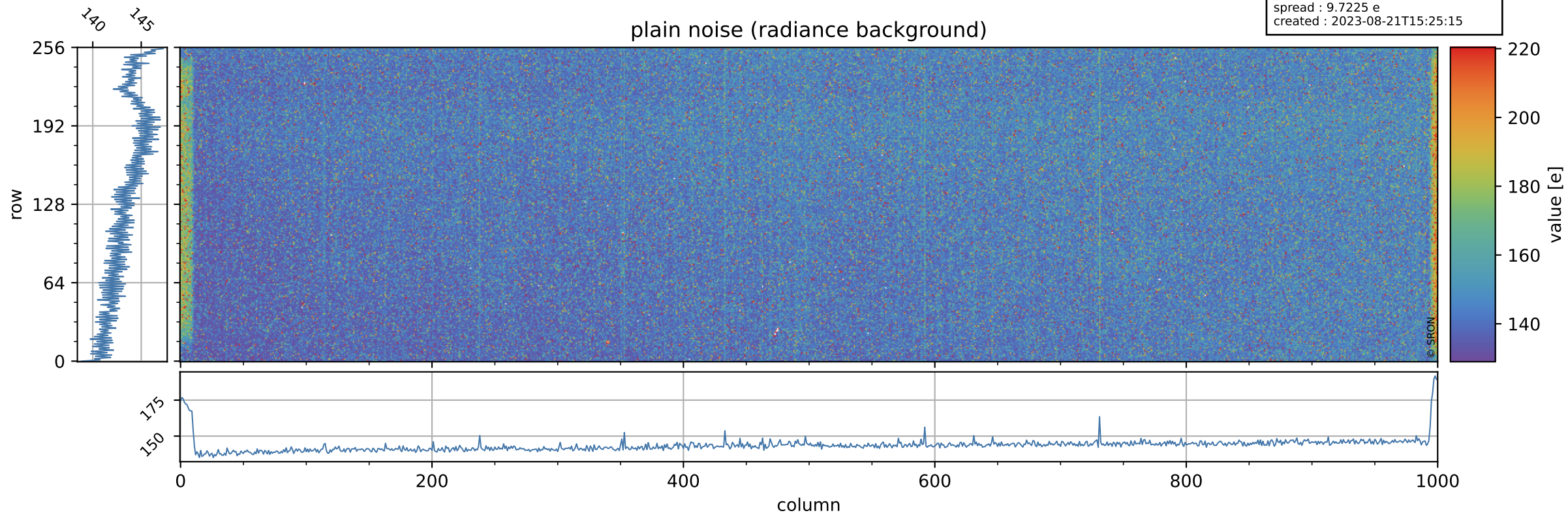
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.37 e  
spread : 9.7225 e  
created : 2023-08-21T15:25:15

## plain noise (radiance background)

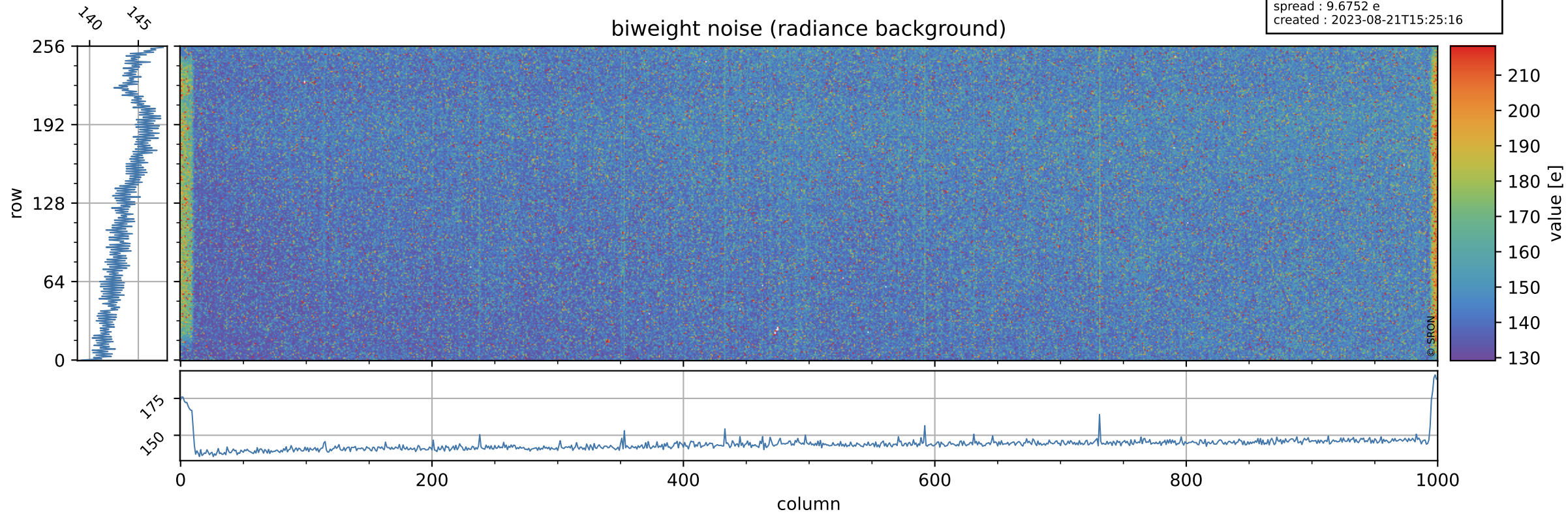




# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
n\_coad, t\_exp : 1, 0.8383  
median : 143.71 e  
spread : 9.6752 e  
created : 2023-08-21T15:25:16

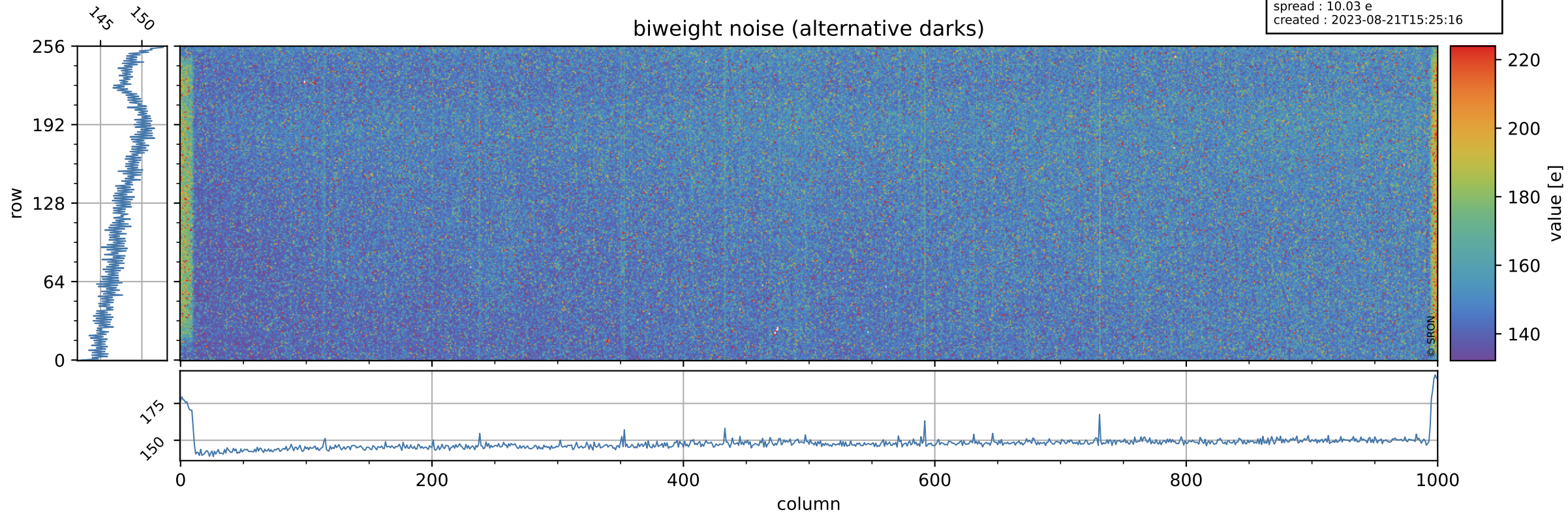
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.64 e  
spread : 10.03 e  
created : 2023-08-21T15:25:16

## biweight noise (alternative darks)

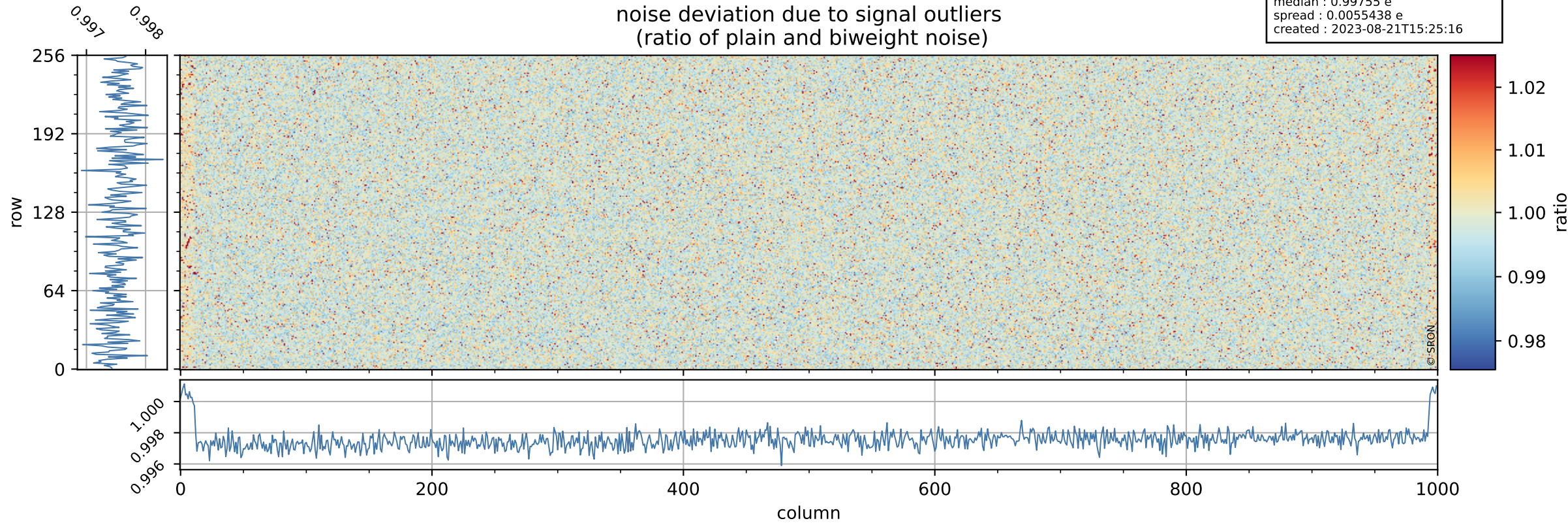




# Tropomi SWIR background noise (swir)

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

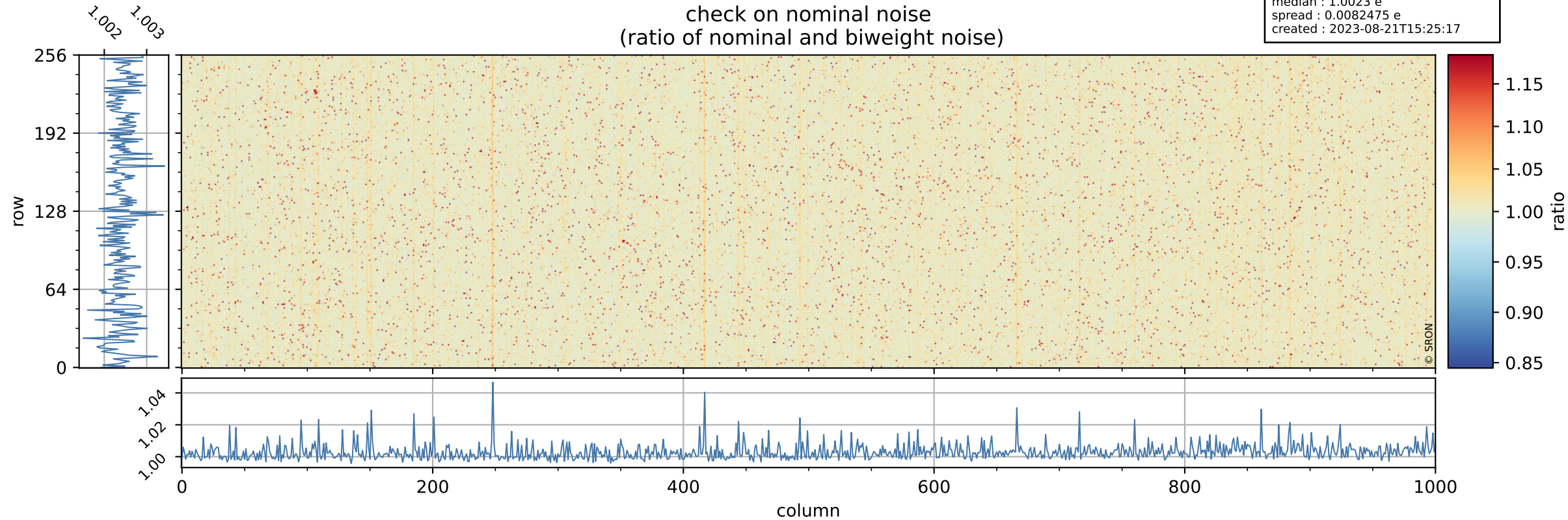
orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
median : 0.99755 e  
spread : 0.0055438 e  
created : 2023-08-21T15:25:16



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
median : 1.0023 e  
spread : 0.0082475 e  
created : 2023-08-21T15:25:17

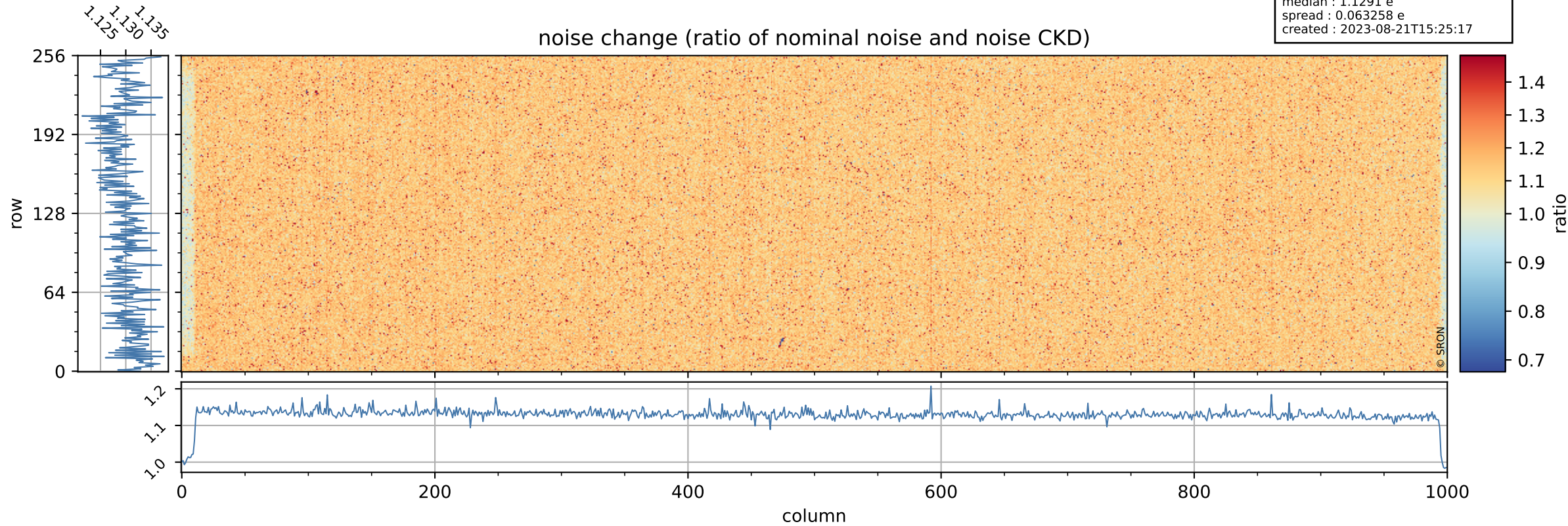




# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
median : 1.1291 e  
spread : 0.063258 e  
created : 2023-08-21T15:25:17

noise change (ratio of nominal noise and noise CKD)

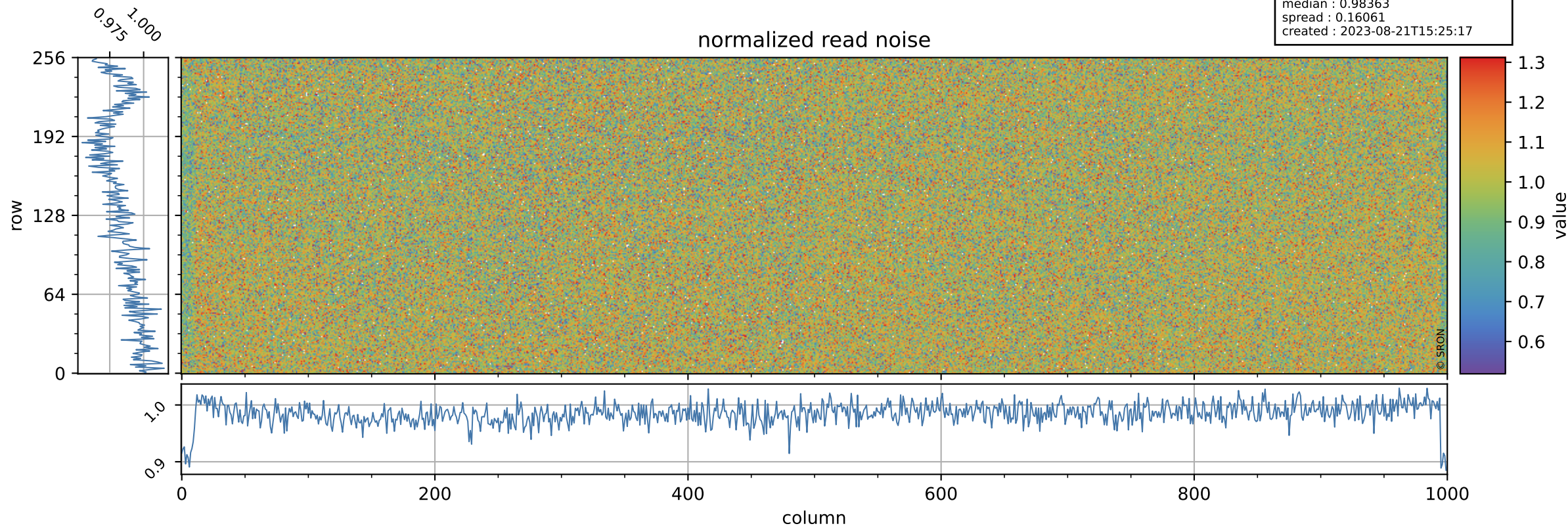




# Tropomi SWIR background noise (swir)

orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
median : 0.98363  
spread : 0.16061  
created : 2023-08-21T15:25:17

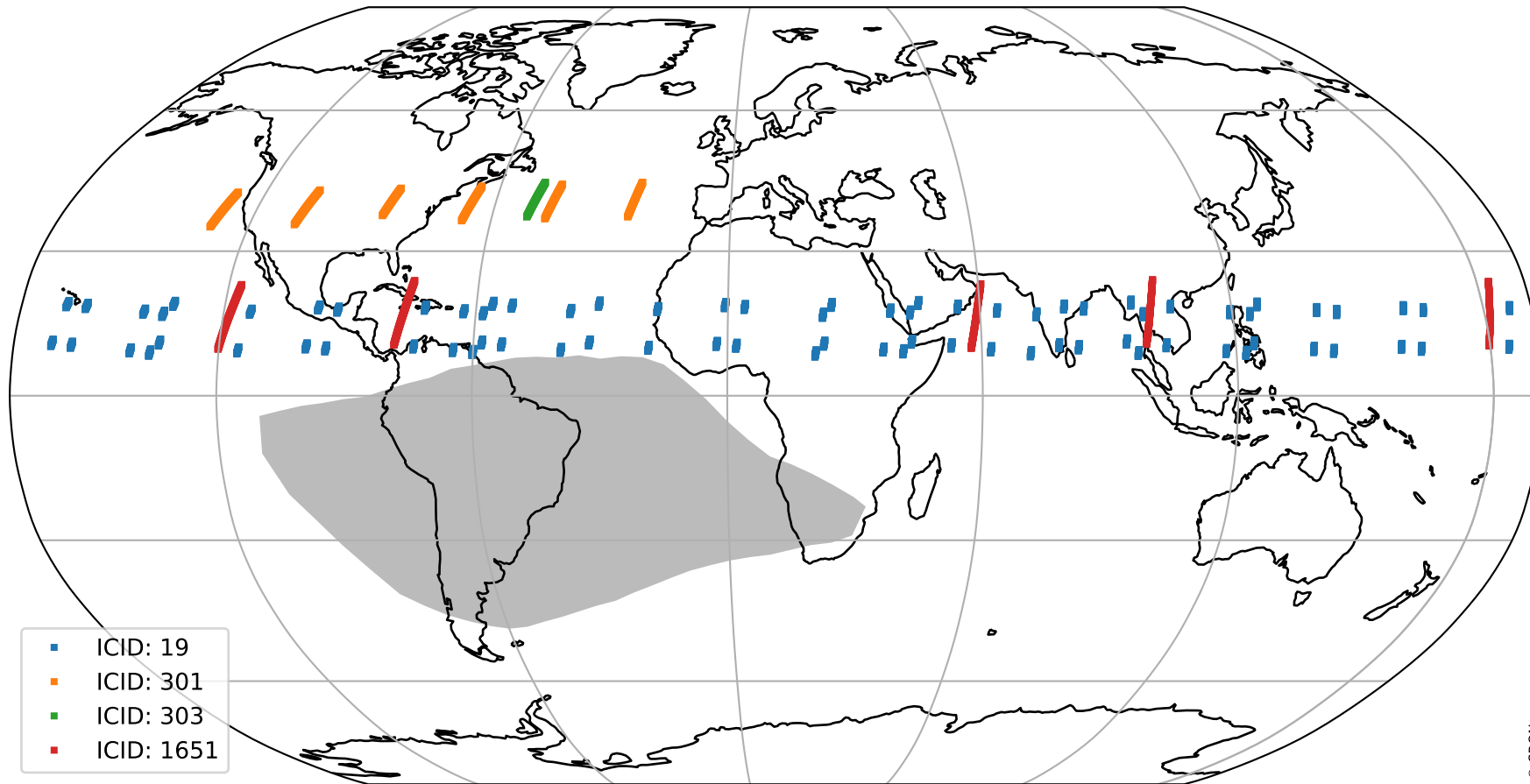
normalized read noise





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

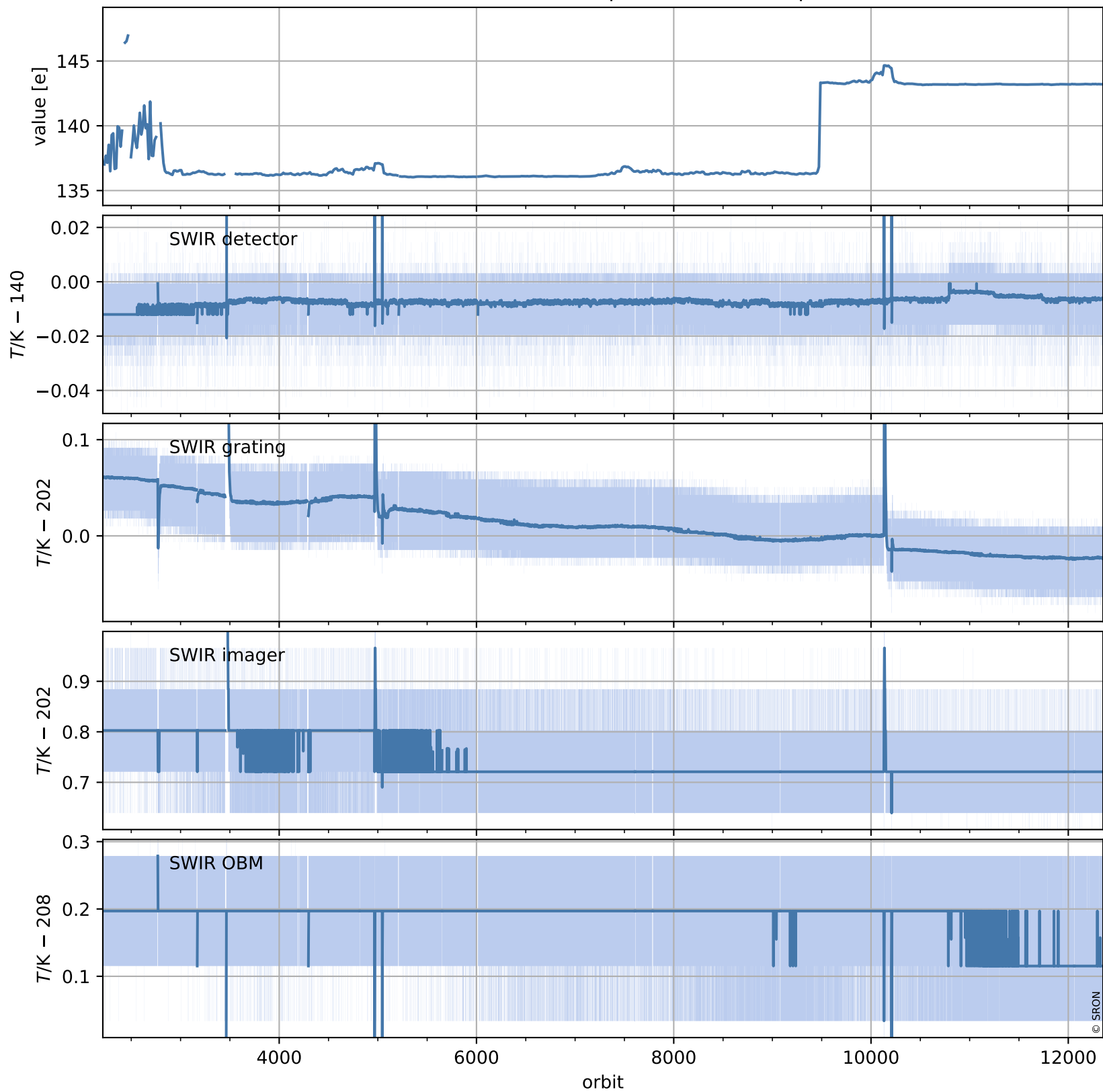
orbits : 12 in [12277, 12352]  
coverage : 2020-02-25 / 2020-03-01  
created : 2023-08-21T15:25:17



# Tropomi SWIR background noise (swir)

orbits : [2212, 12352]  
coverage : 2018-03-18 / 2020-03-01  
created : 2023-08-21T15:25:18

## trend of detector median of plain noise & temperatures

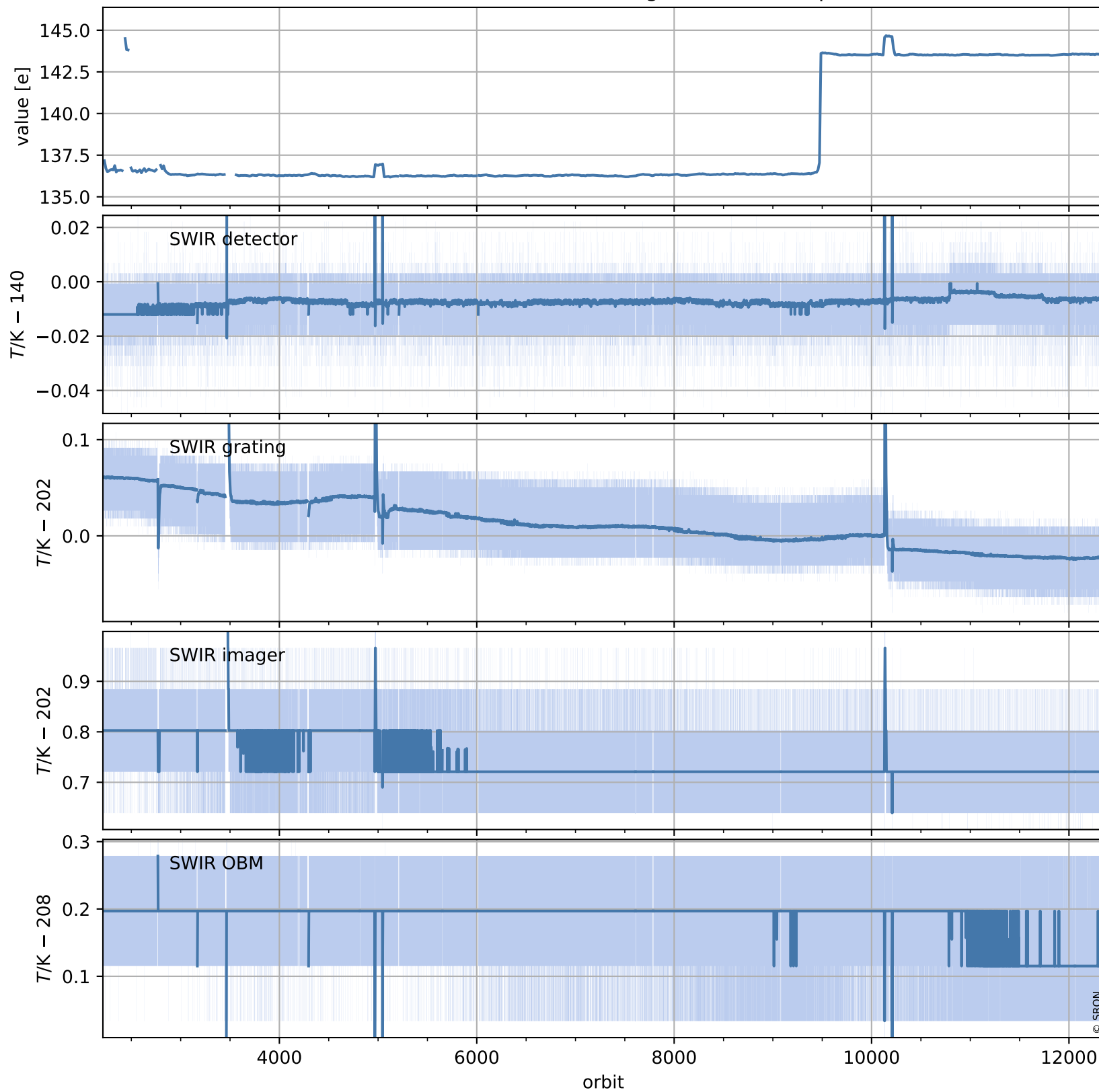




# Tropomi SWIR background noise (swir)

orbits : [2212, 12352]  
coverage : 2018-03-18 / 2020-03-01  
created : 2023-08-21T15:25:18

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 12352]  
coverage : 2018-03-18 / 2020-03-01  
created : 2023-08-21T15:25:19

## trend of normalized read-noise & temperatures

