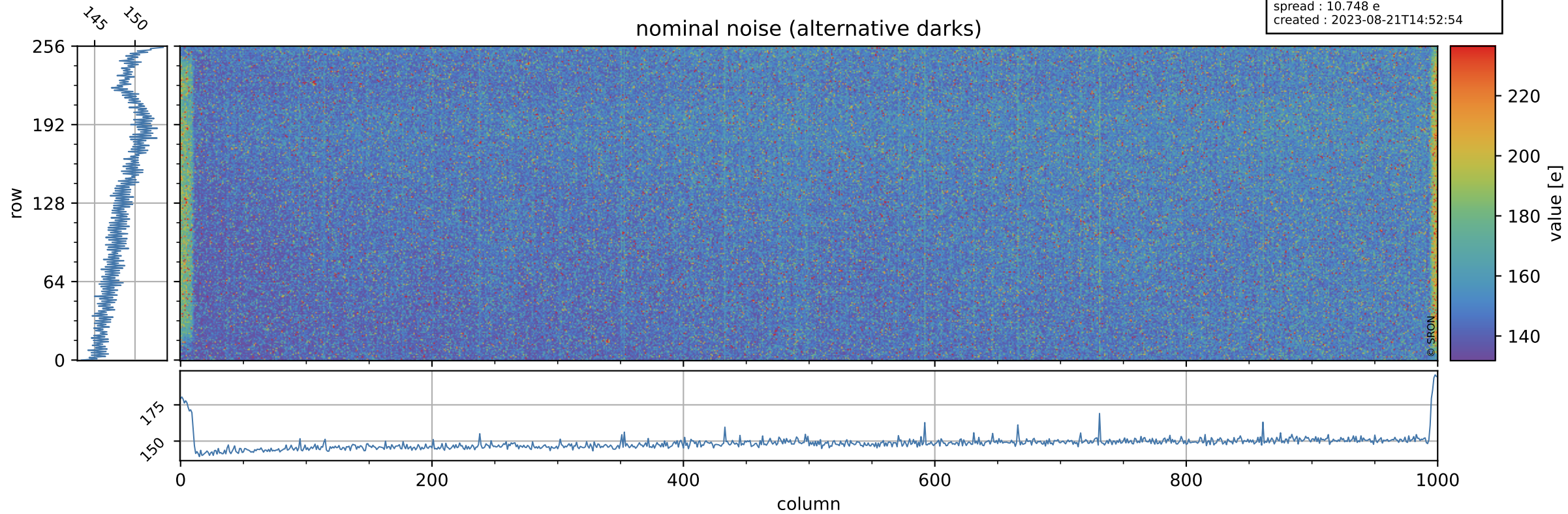


# Tropomi SWIR background noise (swir)

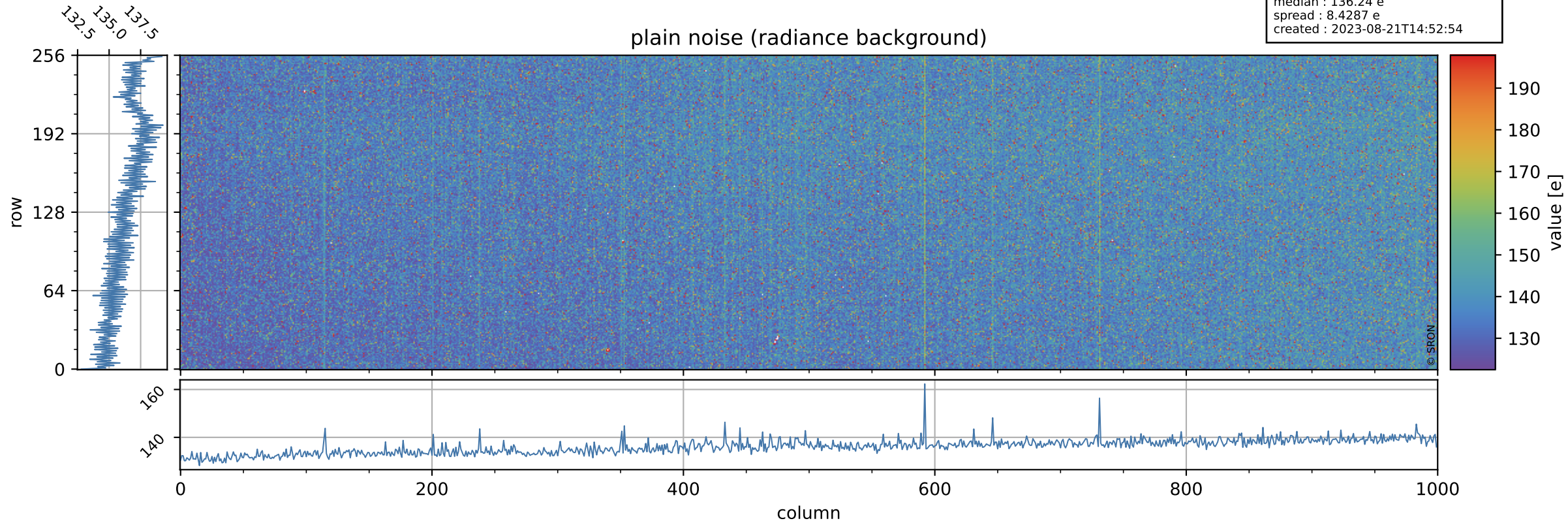
orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.748 e  
created : 2023-08-21T14:52:54



# Tropomi SWIR background noise (swir)

orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.4287 e  
created : 2023-08-21T14:52:54

plain noise (radiance background)

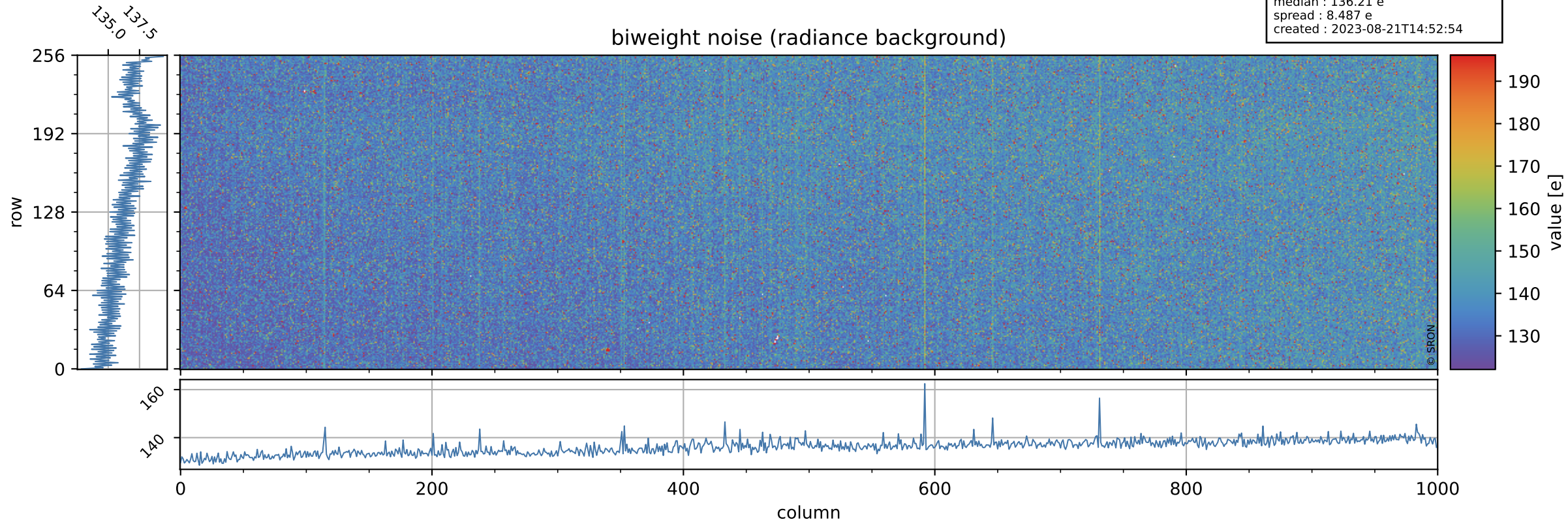




# Tropomi SWIR background noise (swir)

orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.487 e  
created : 2023-08-21T14:52:54

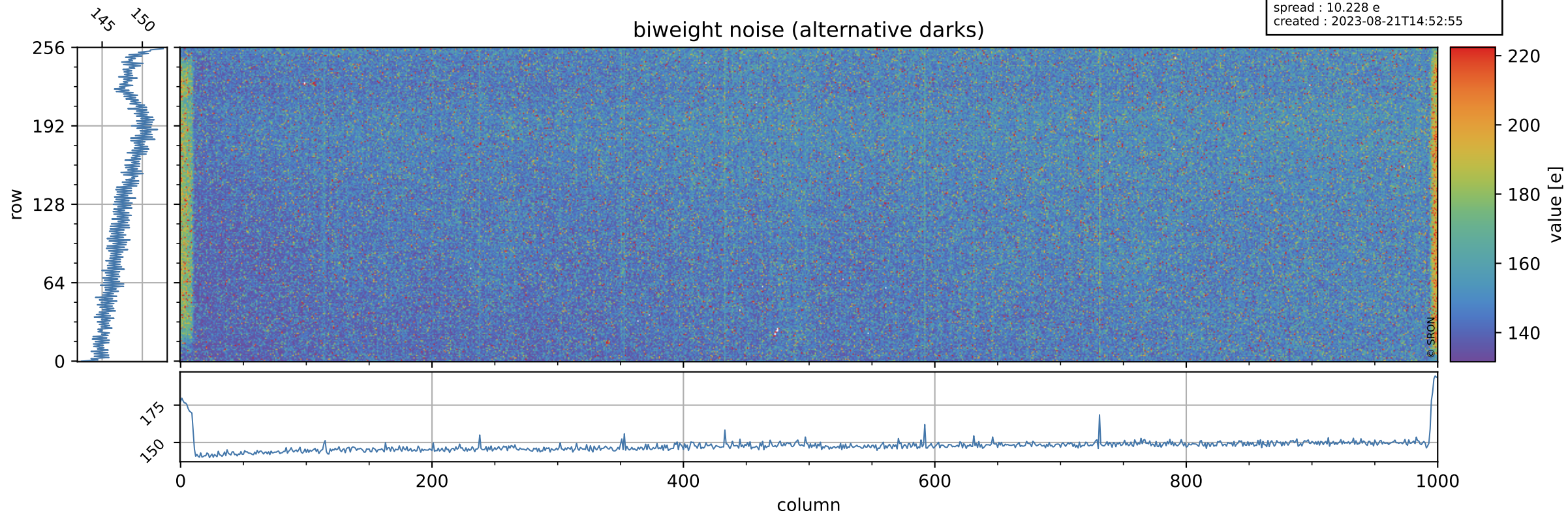
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
n\_coad, t\_exp : 1, 1.0783  
median : 147.59 e  
spread : 10.228 e  
created : 2023-08-21T14:52:55

## biweight noise (alternative darks)

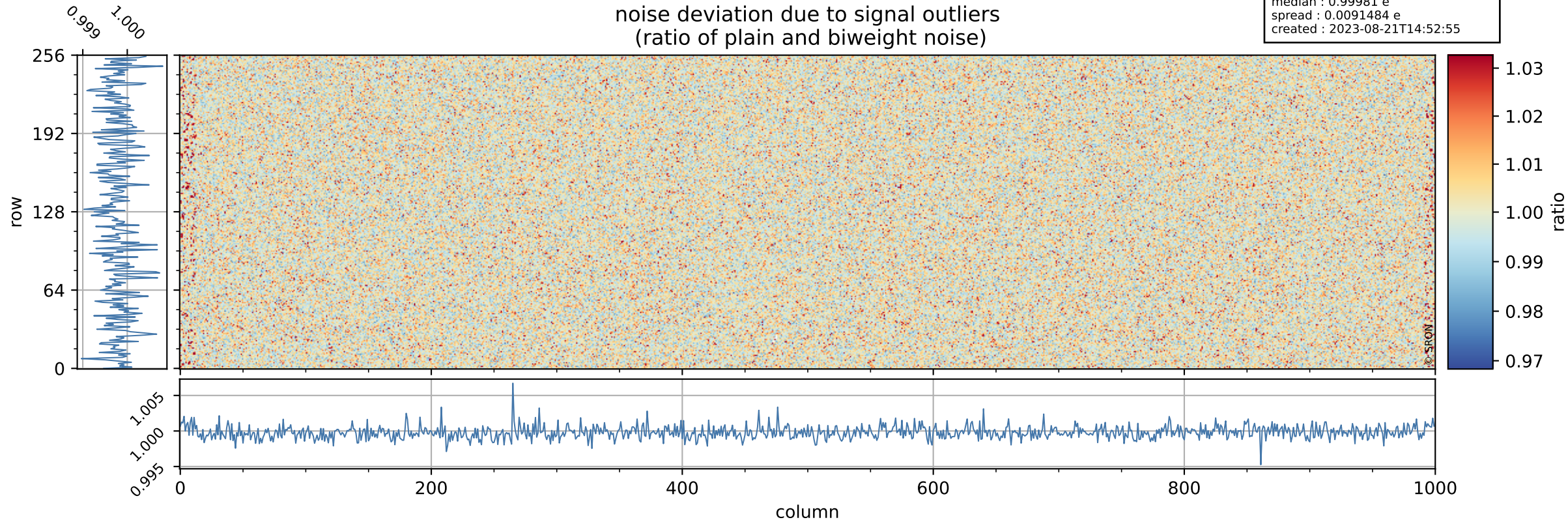




# Tropomi SWIR background noise (swir)

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

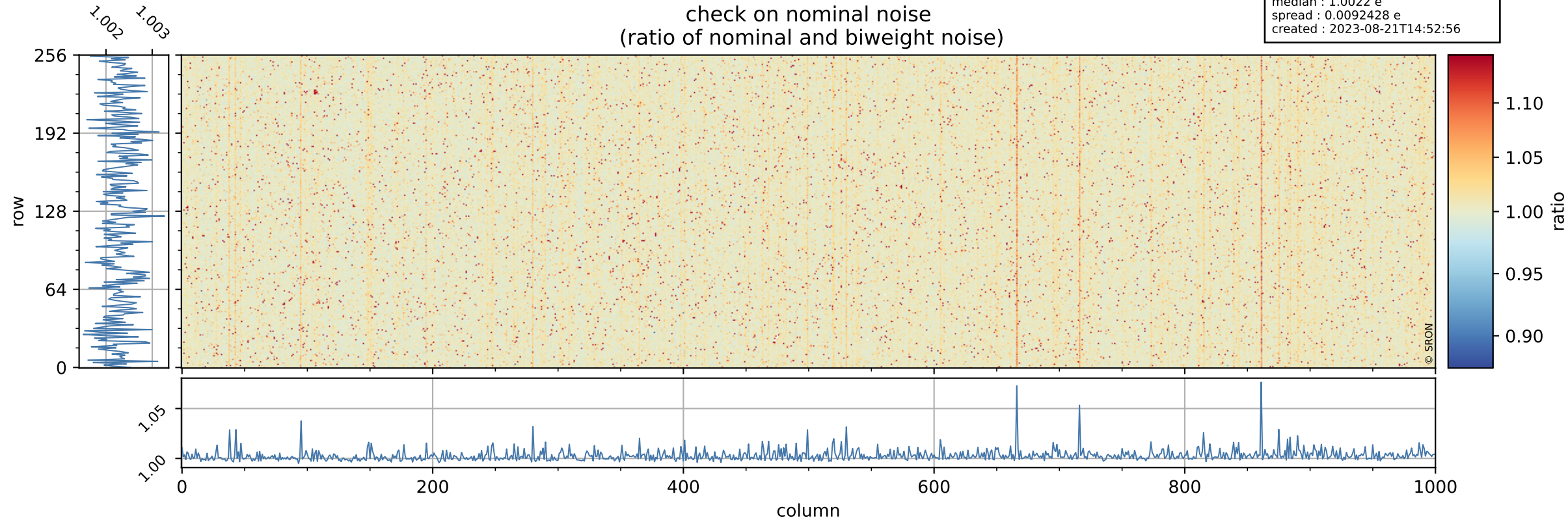
orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
median : 0.99981 e  
spread : 0.0091484 e  
created : 2023-08-21T14:52:55



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
median : 1.0022 e  
spread : 0.0092428 e  
created : 2023-08-21T14:52:56

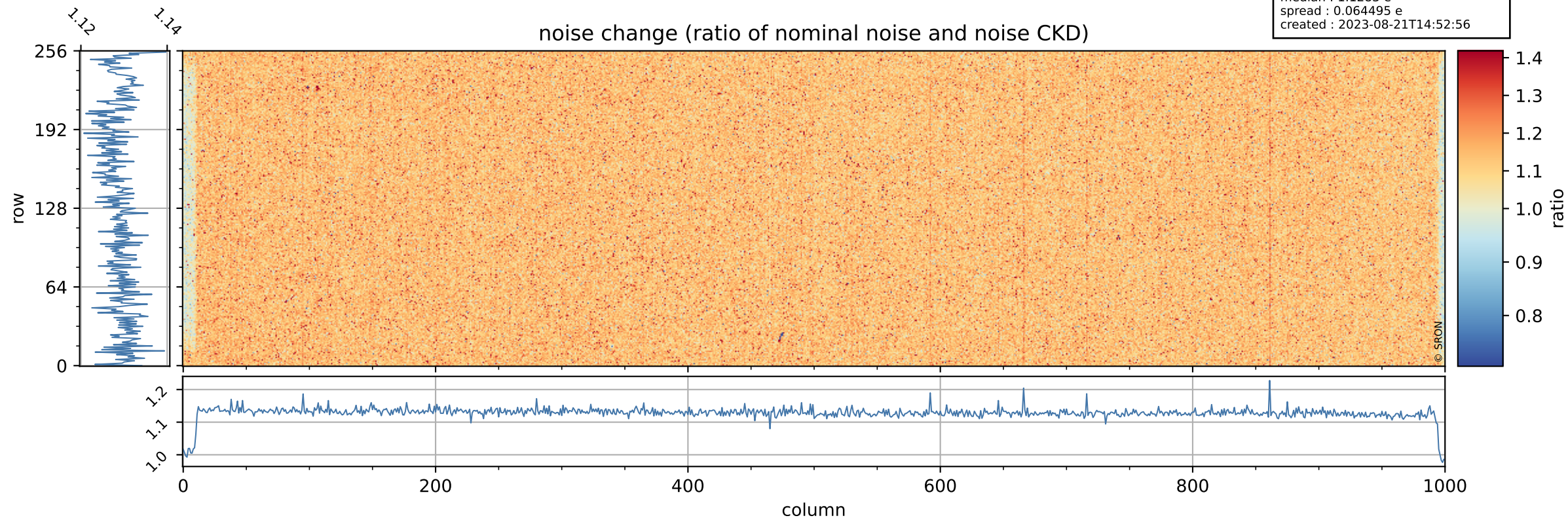




# Tropomi SWIR background noise (swir)

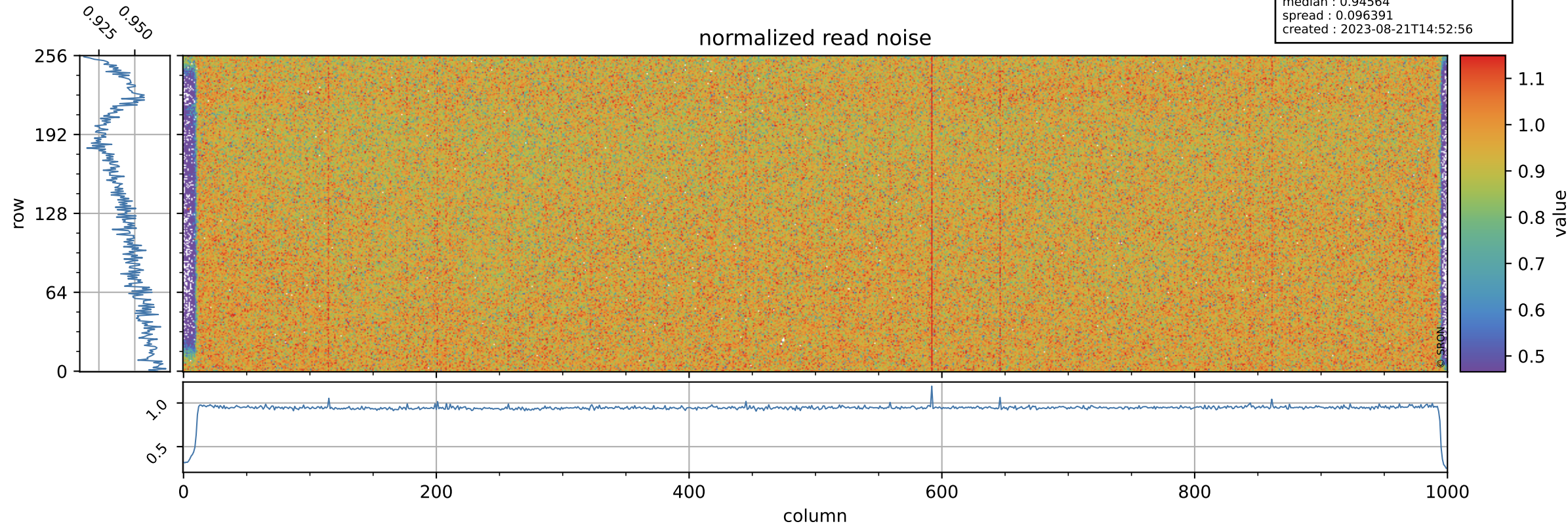
orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
median : 1.1283 e  
spread : 0.064495 e  
created : 2023-08-21T14:52:56

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

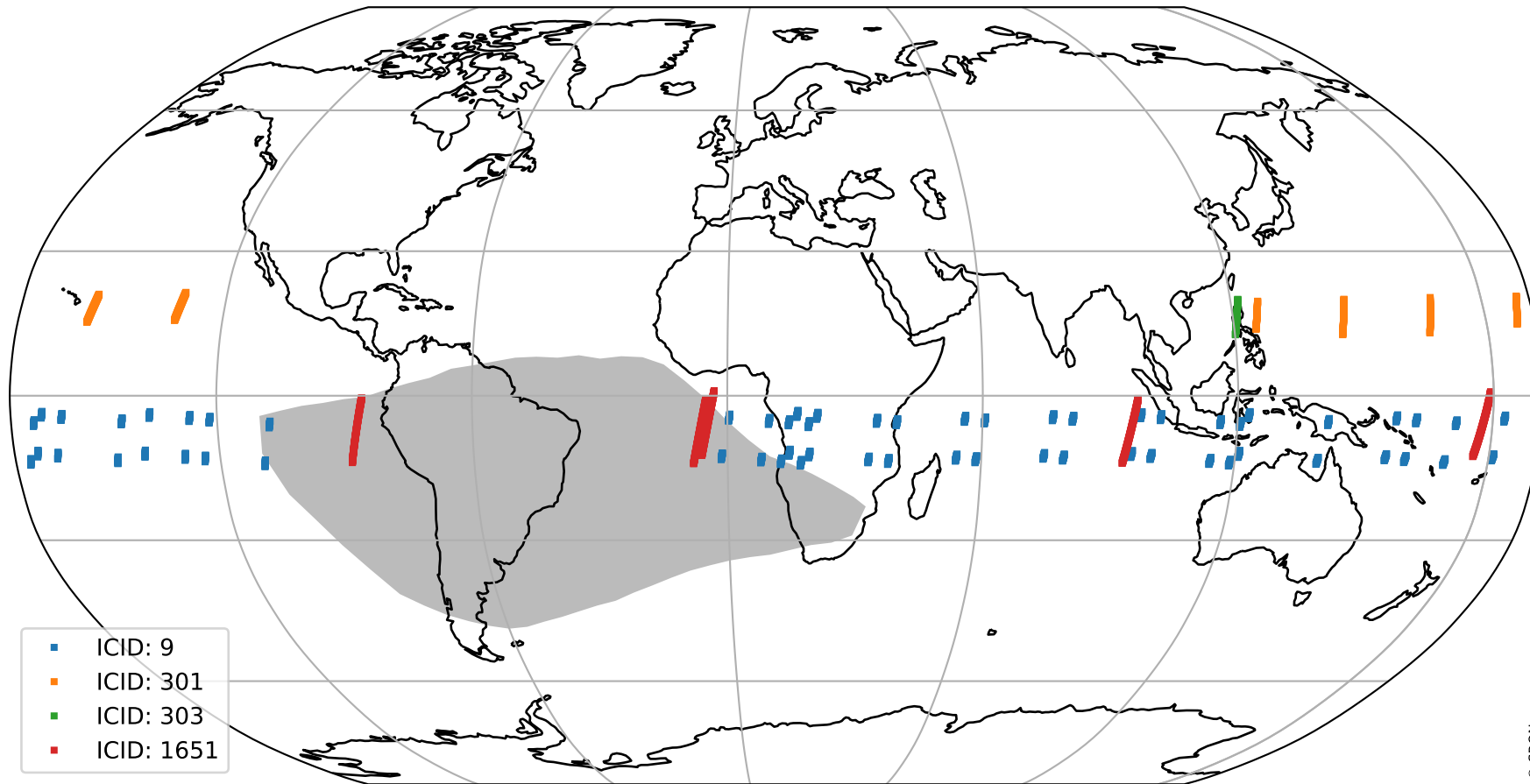
orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
median : 0.94564  
spread : 0.096391  
created : 2023-08-21T14:52:56





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

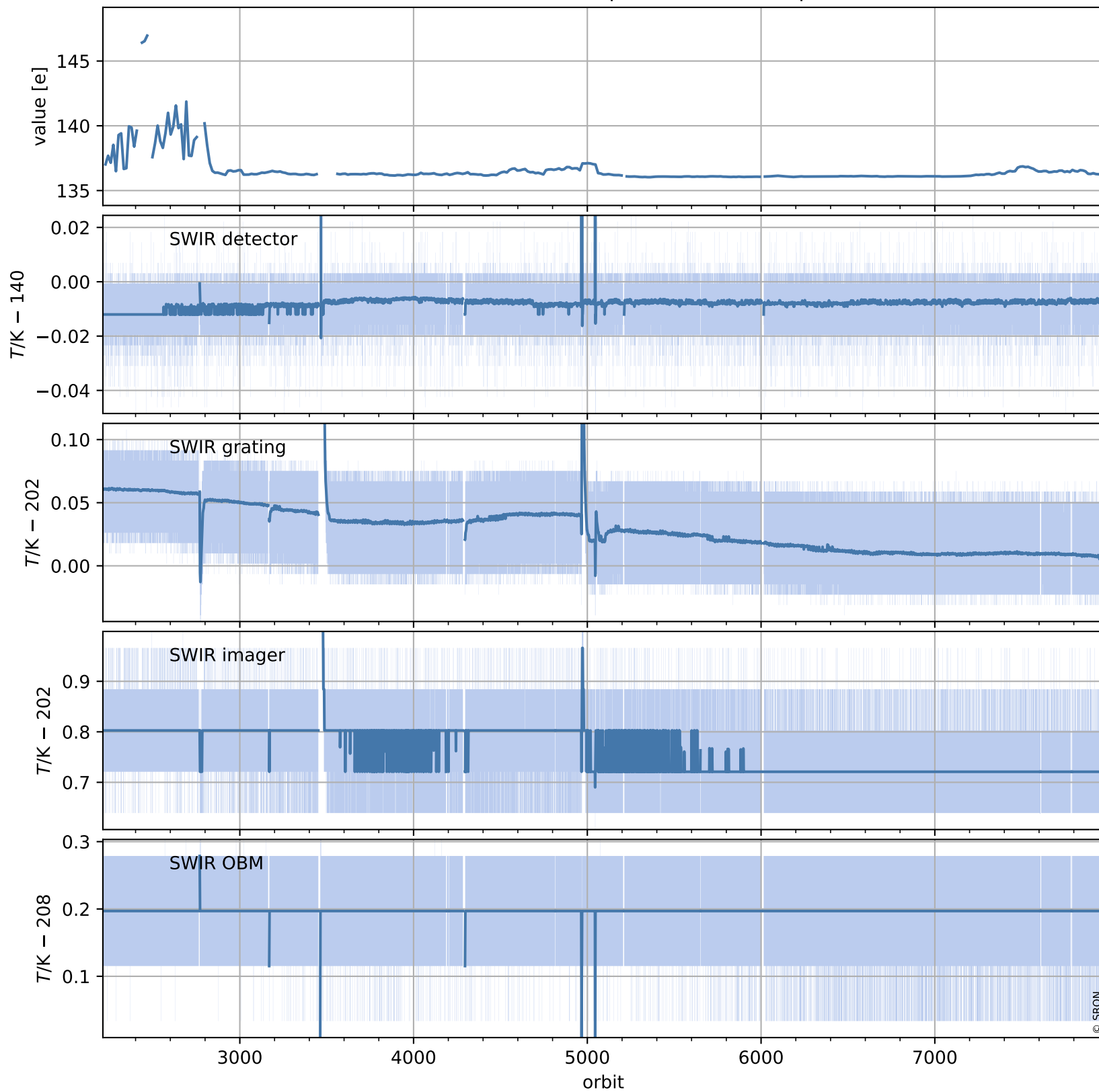
orbits : 12 in [7882, 7972]  
coverage : 2019-04-22 / 2019-04-28  
created : 2023-08-21T14:52:57



# Tropomi SWIR background noise (swir)

orbits : [2212, 7972]  
coverage : 2018-03-18 / 2019-04-28  
created : 2023-08-21T14:52:57

## trend of detector median of plain noise & temperatures

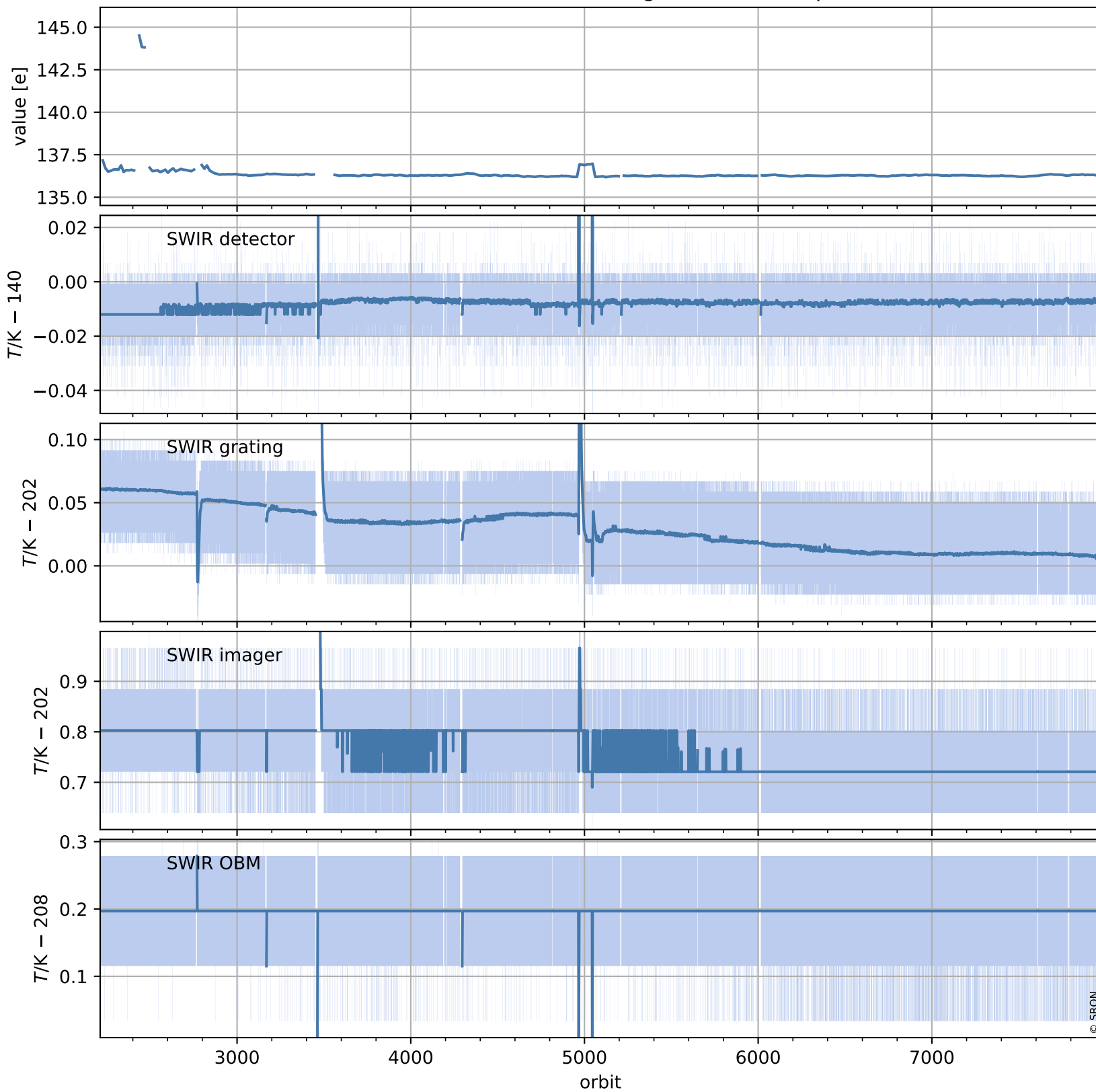




# Tropomi SWIR background noise (swir)

orbits : [2212, 7972]  
coverage : 2018-03-18 / 2019-04-28  
created : 2023-08-21T14:52:58

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7972]  
coverage : 2018-03-18 / 2019-04-28  
created : 2023-08-21T14:52:59

## trend of normalized read-noise & temperatures

