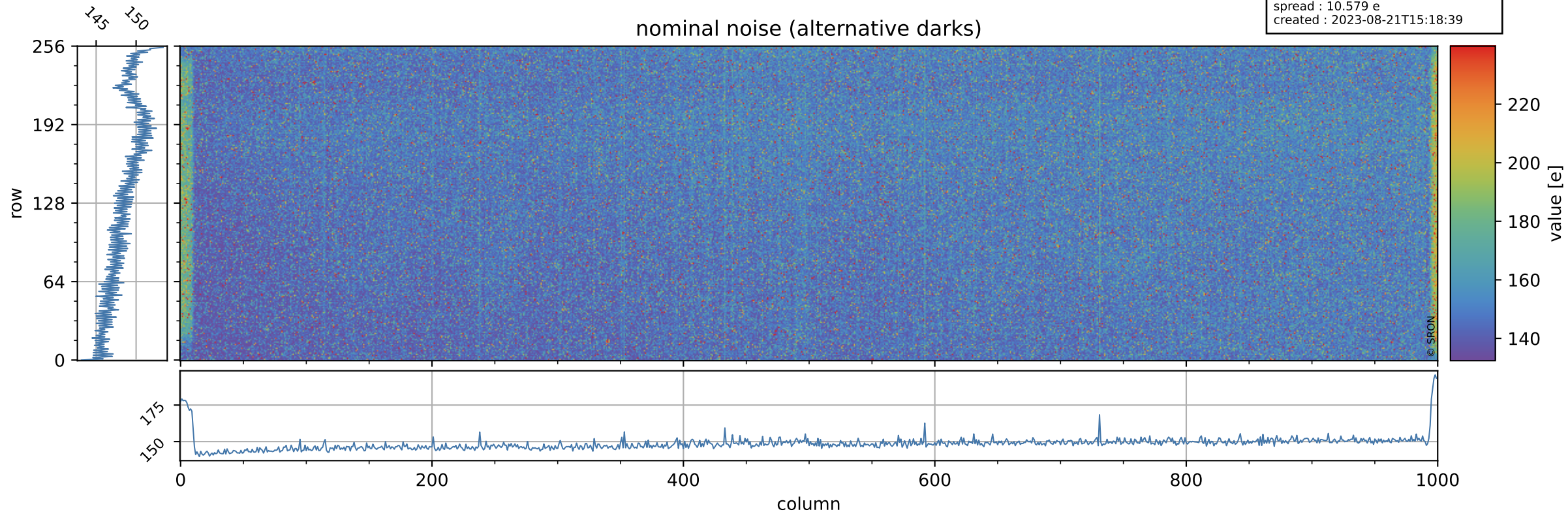


# Tropomi SWIR background noise (swir)

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.41 e  
spread : 10.579 e  
created : 2023-08-21T15:18:39

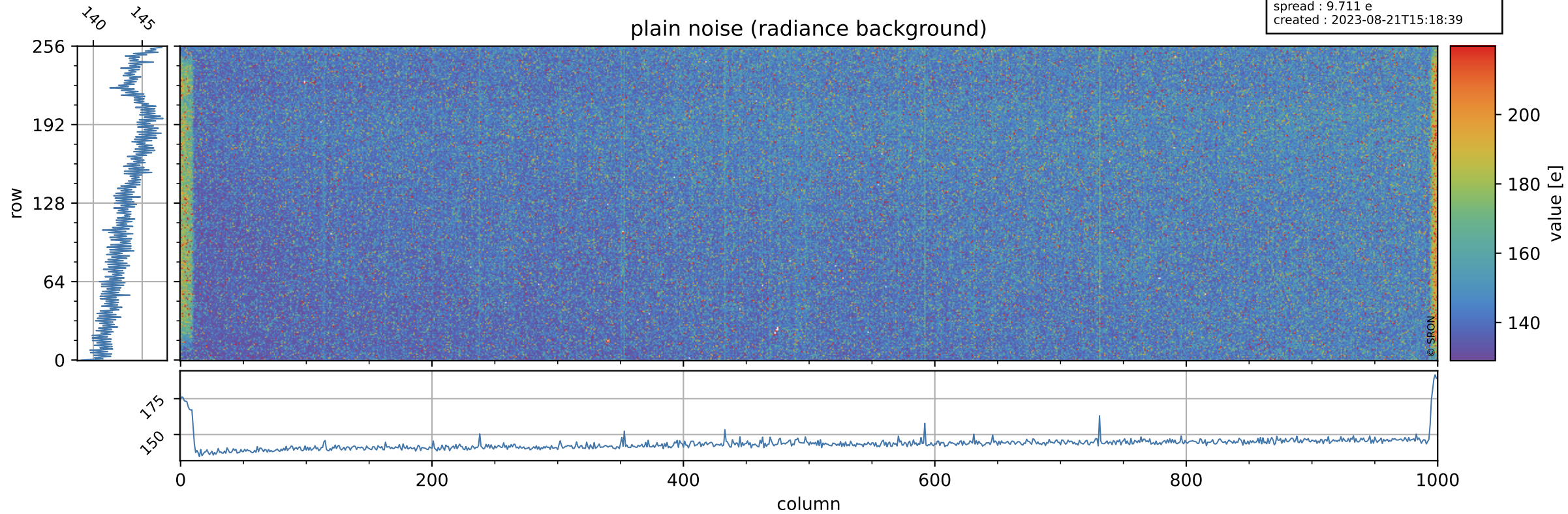
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.38 e  
spread : 9.711 e  
created : 2023-08-21T15:18:39

plain noise (radiance background)

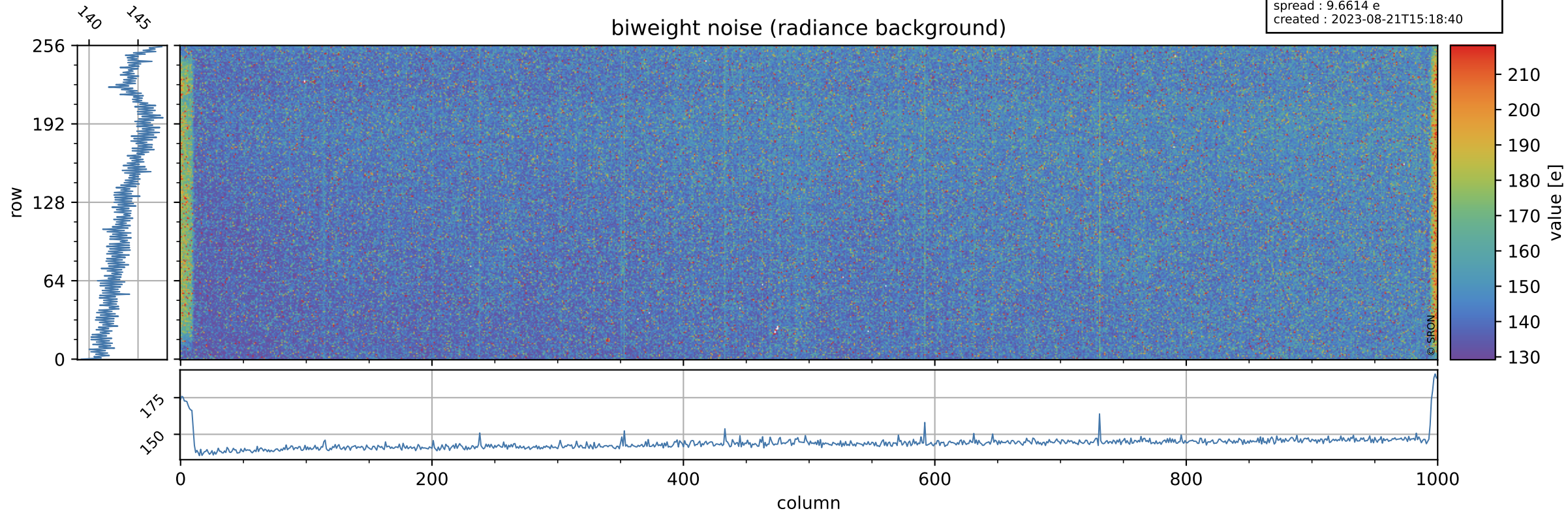




# Tropomi SWIR background noise (swir)

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
n\_coad, t\_exp : 1, 0.8383  
median : 143.69 e  
spread : 9.6614 e  
created : 2023-08-21T15:18:40

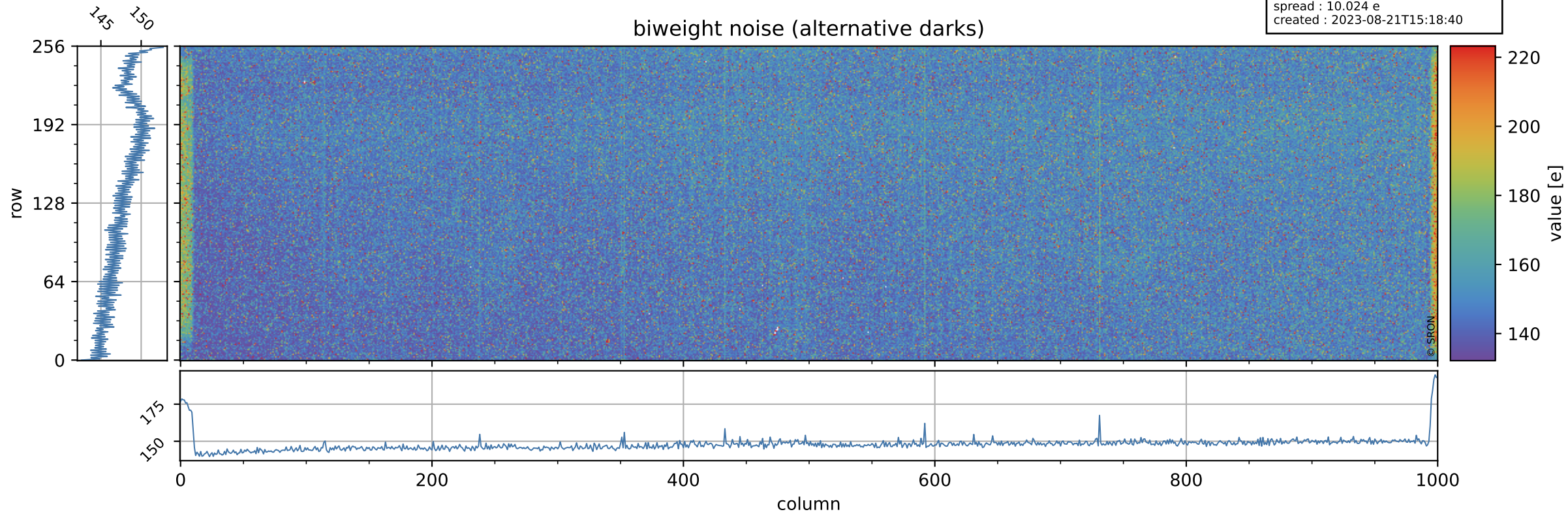
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.63 e  
spread : 10.024 e  
created : 2023-08-21T15:18:40

## biweight noise (alternative darks)

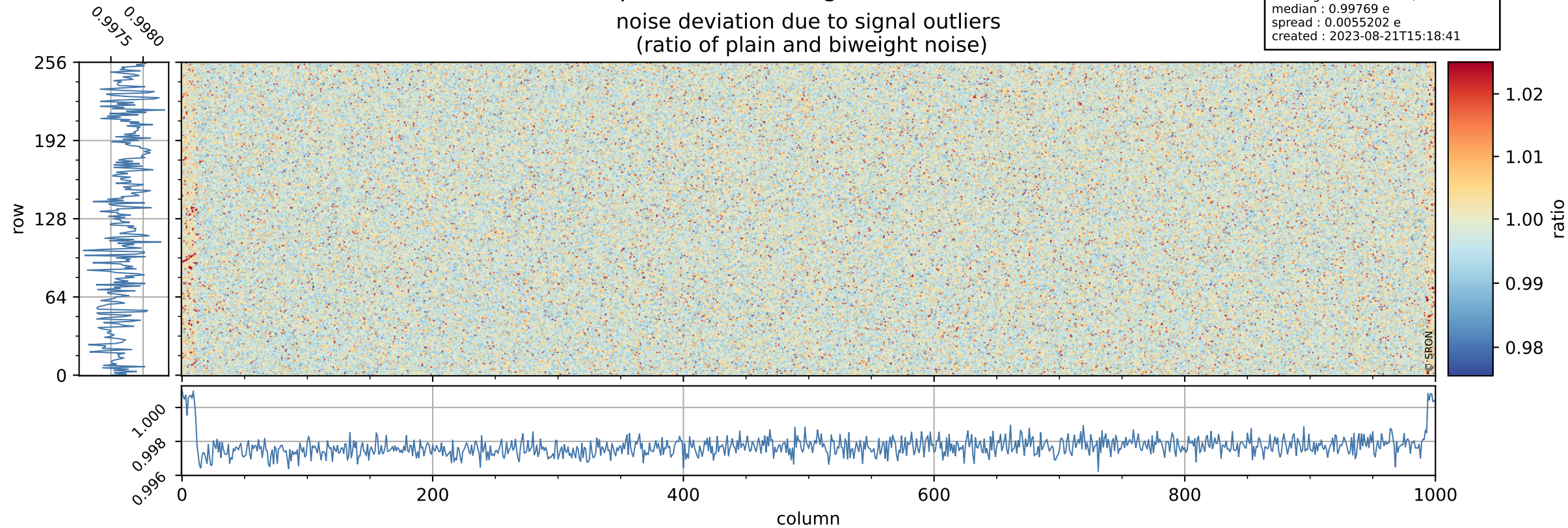




# Tropomi SWIR background noise (swir)

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

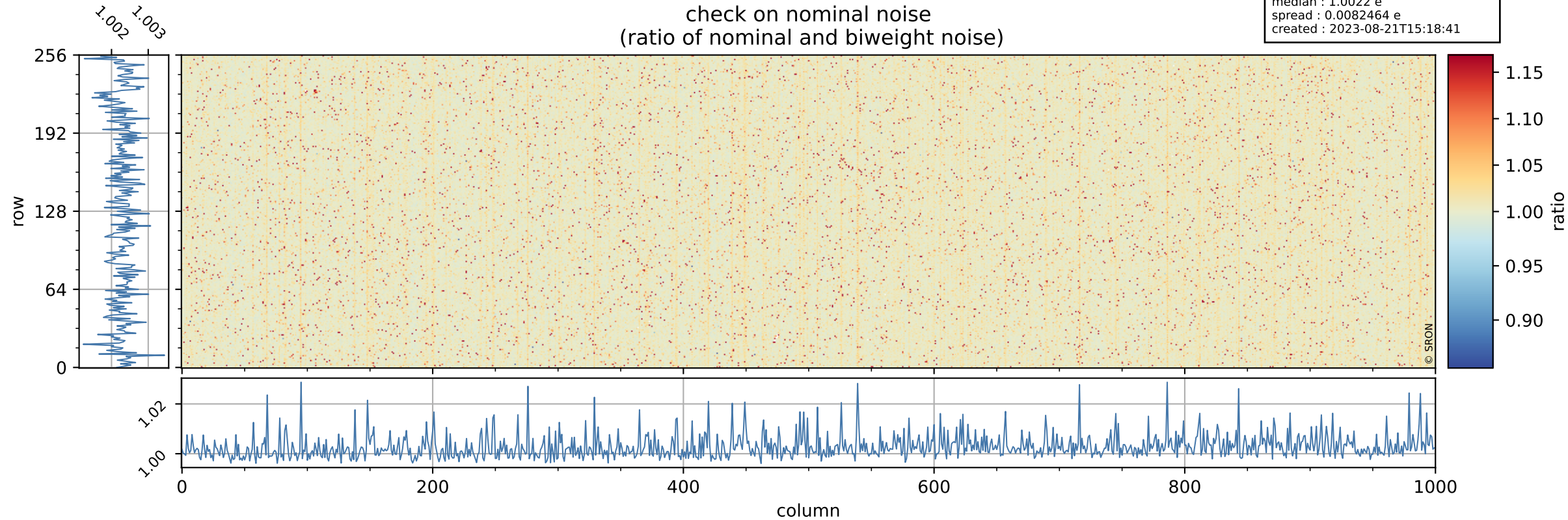
orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
median : 0.99769 e  
spread : 0.0055202 e  
created : 2023-08-21T15:18:41



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
median : 1.0022 e  
spread : 0.0082464 e  
created : 2023-08-21T15:18:41

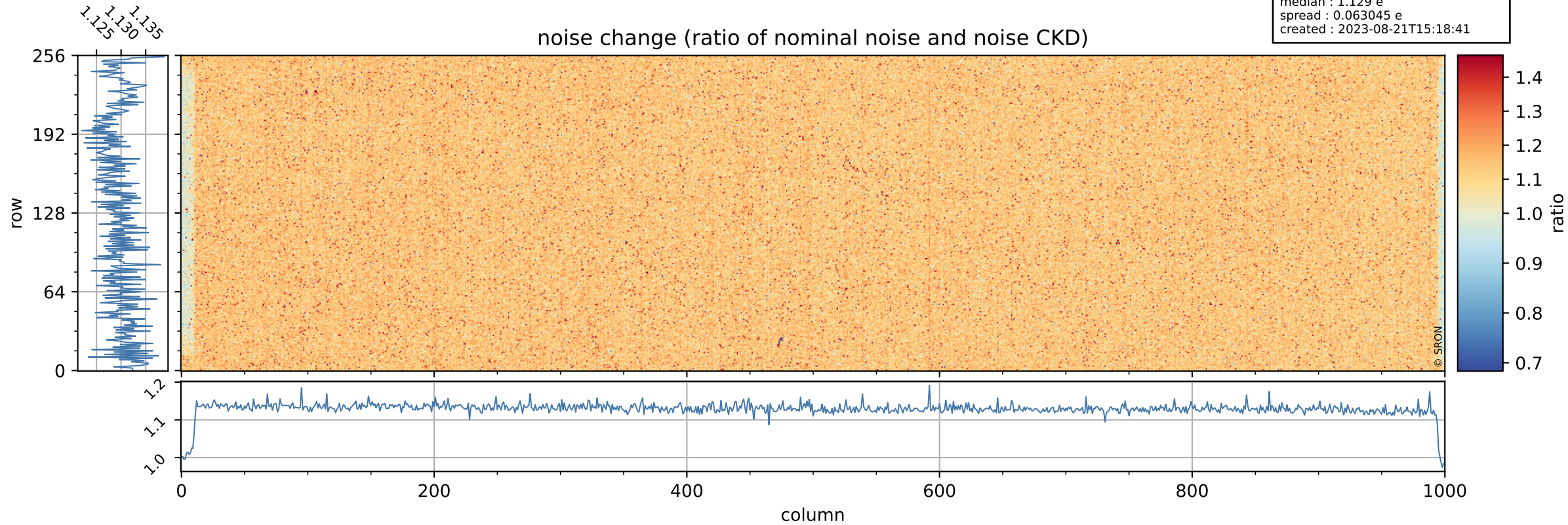




# Tropomi SWIR background noise (swir)

orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
median : 1.129 e  
spread : 0.063045 e  
created : 2023-08-21T15:18:41

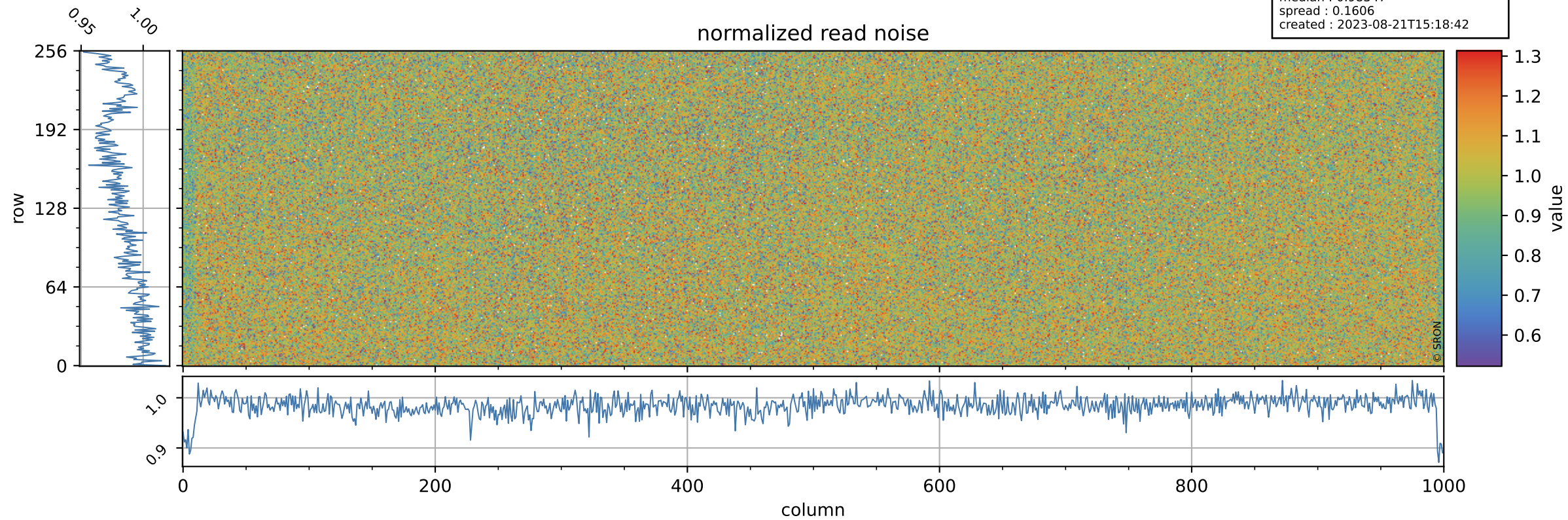
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

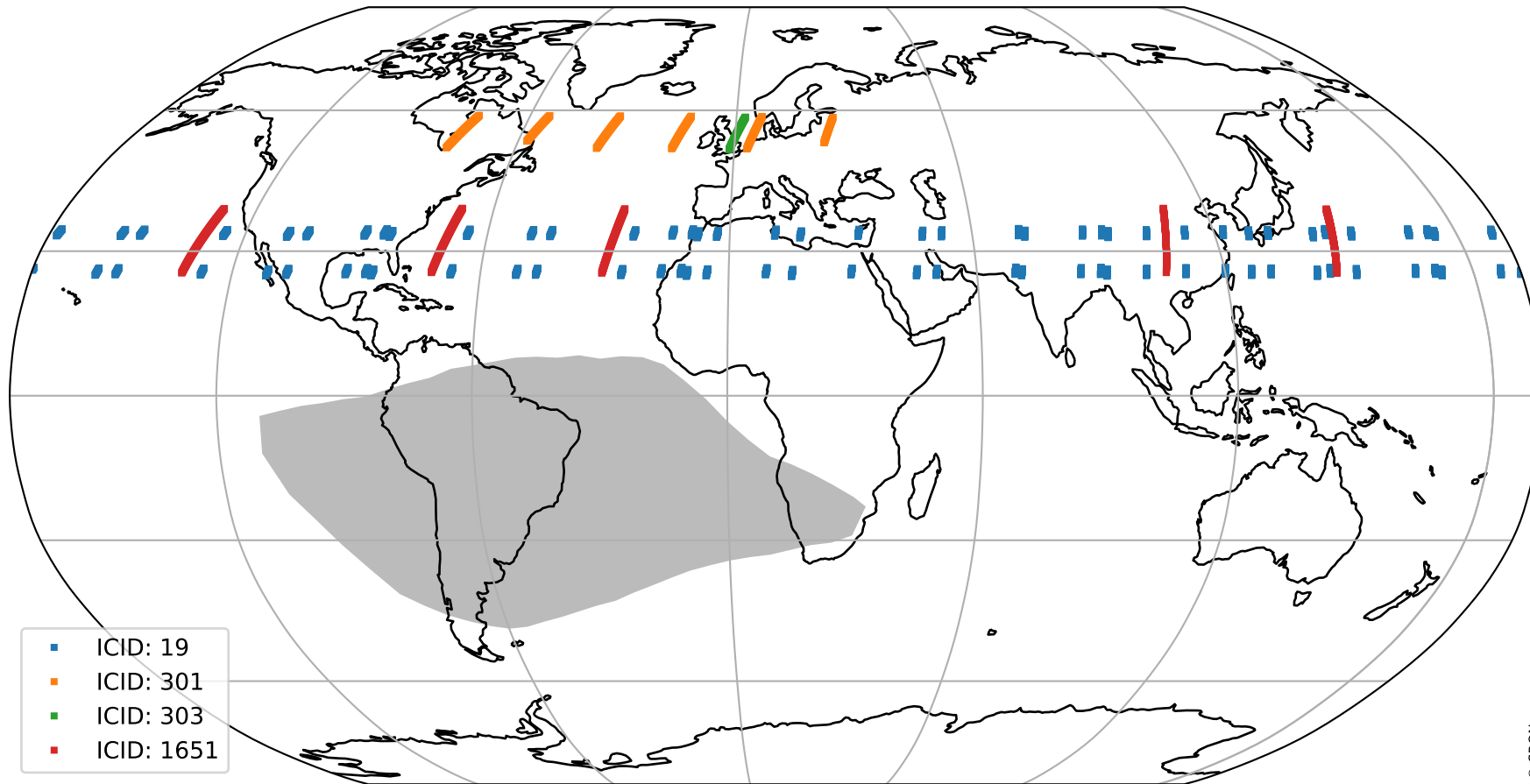
orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
median : 0.98347  
spread : 0.1606  
created : 2023-08-21T15:18:42





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

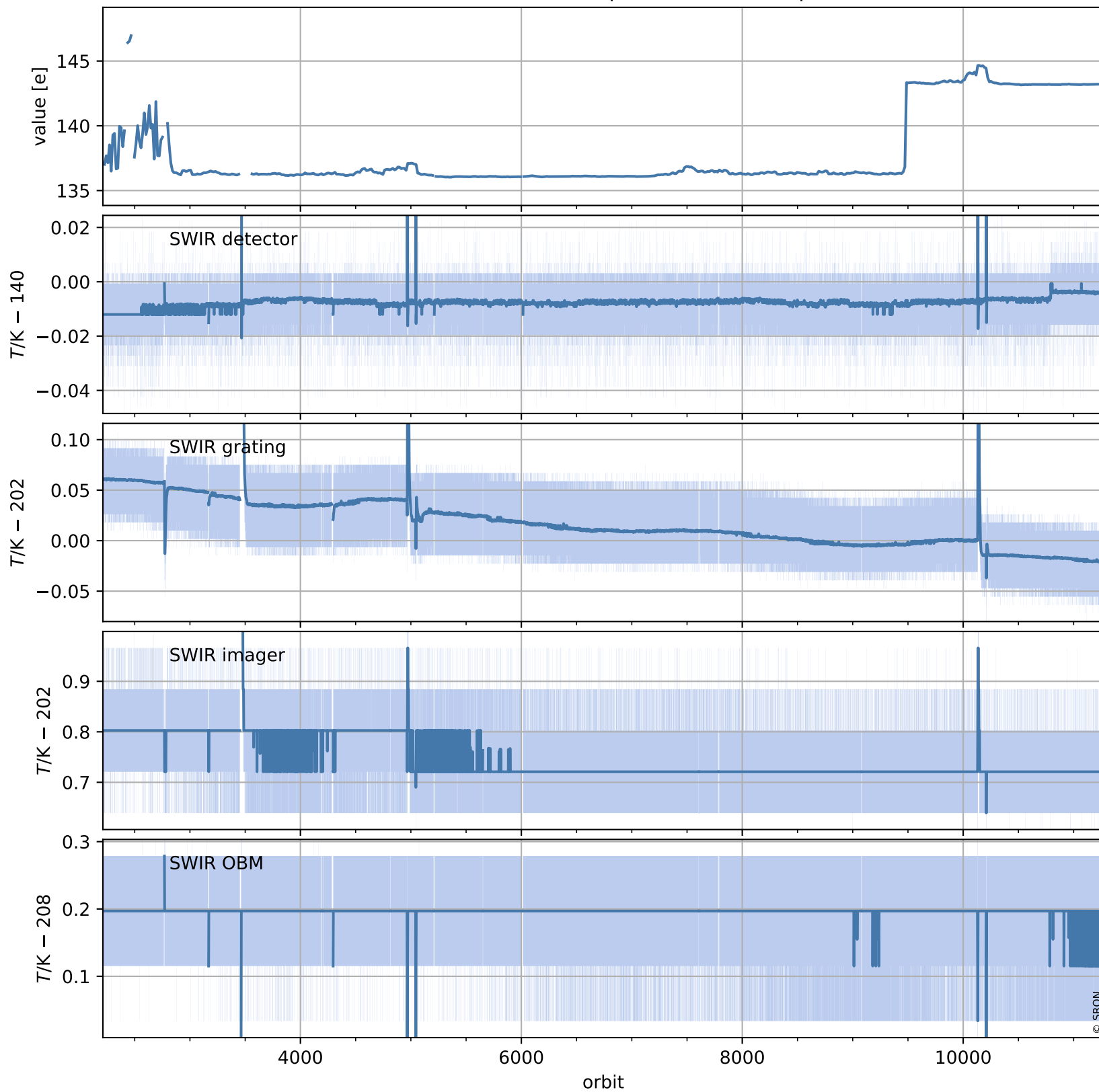
orbits : 12 in [11197, 11272]  
coverage : 2019-12-10 / 2019-12-16  
created : 2023-08-21T15:18:42



# Tropomi SWIR background noise (swir)

orbits : [2212, 11272]  
coverage : 2018-03-18 / 2019-12-16  
created : 2023-08-21T15:18:43

## trend of detector median of plain noise & temperatures

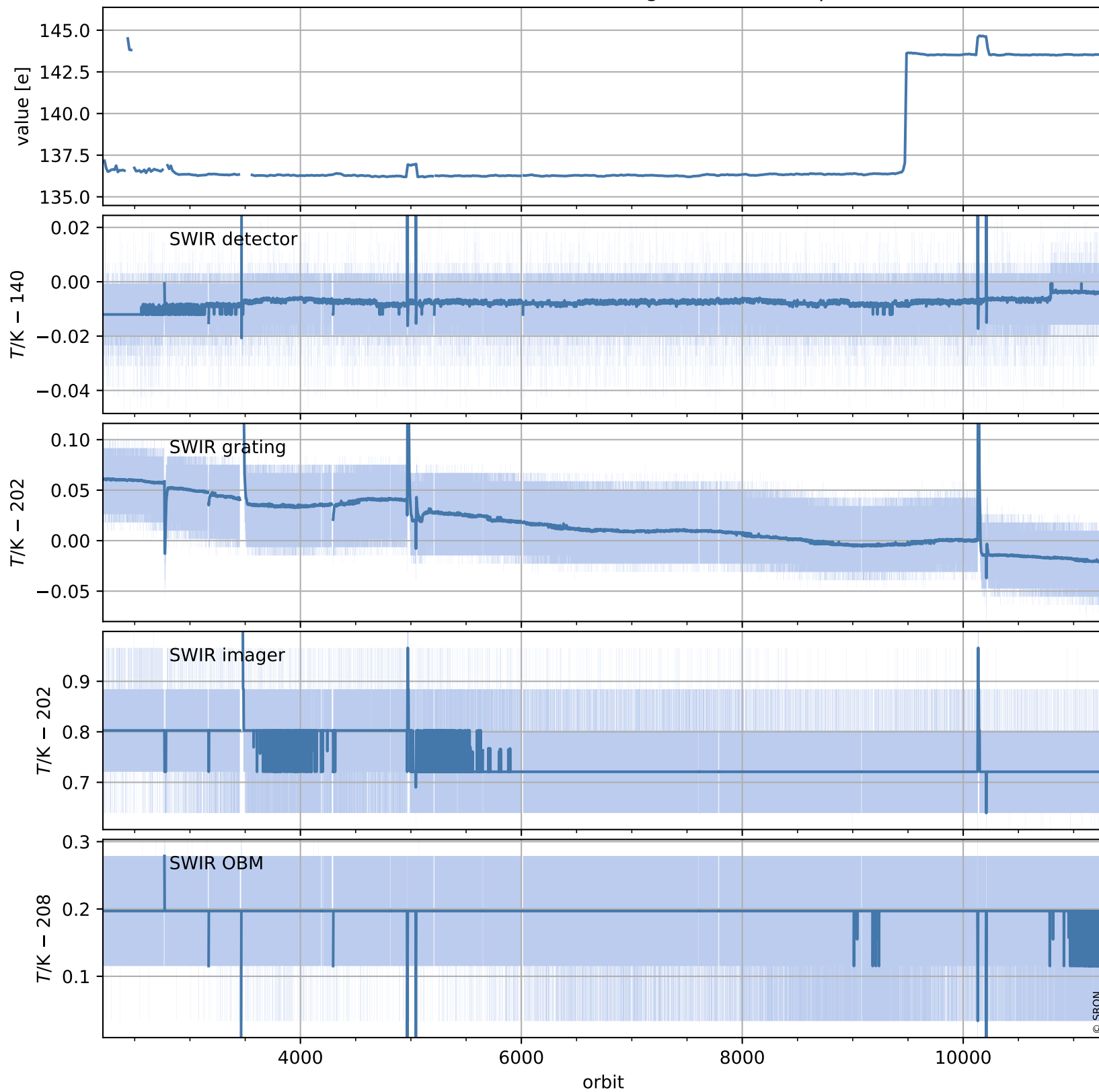




# Tropomi SWIR background noise (swir)

orbits : [2212, 11272]  
coverage : 2018-03-18 / 2019-12-16  
created : 2023-08-21T15:18:43

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 11272]  
coverage : 2018-03-18 / 2019-12-16  
created : 2023-08-21T15:18:44

## trend of normalized read-noise & temperatures

