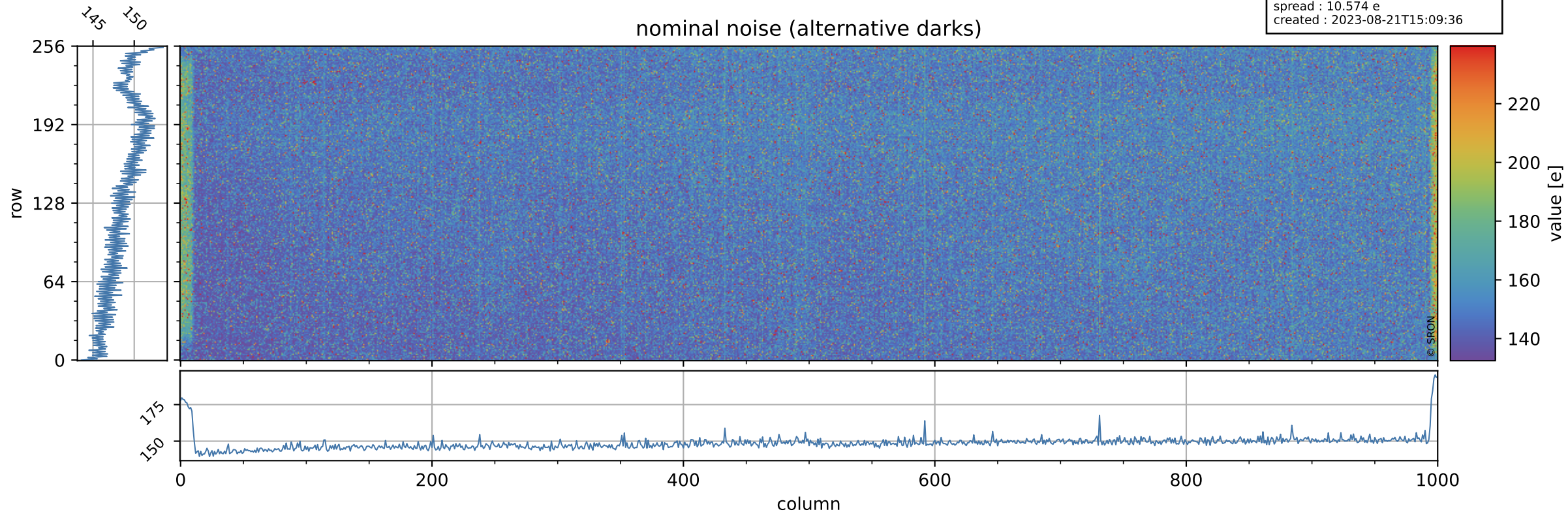


# Tropomi SWIR background noise (swir)

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
n\_coad, t\_exp : 1, 1.0783  
median : 148.52 e  
spread : 10.574 e  
created : 2023-08-21T15:09:36

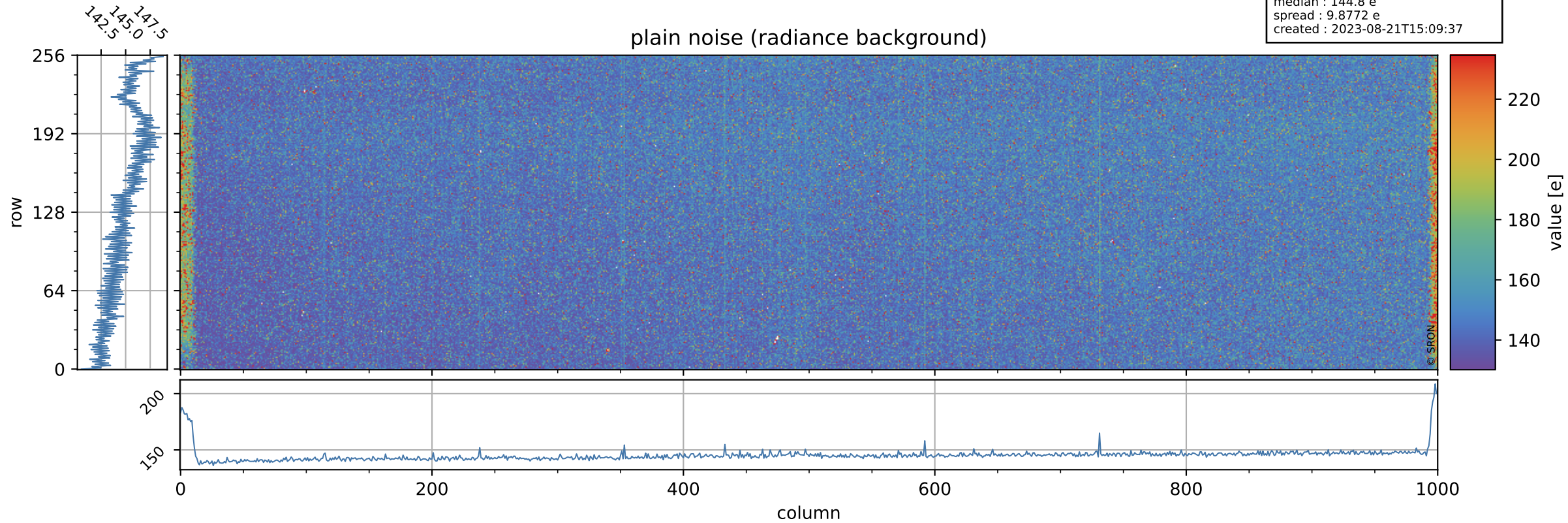
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
n\_coad, t\_exp : 1, 0.8383  
median : 144.8 e  
spread : 9.8772 e  
created : 2023-08-21T15:09:37

## plain noise (radiance background)

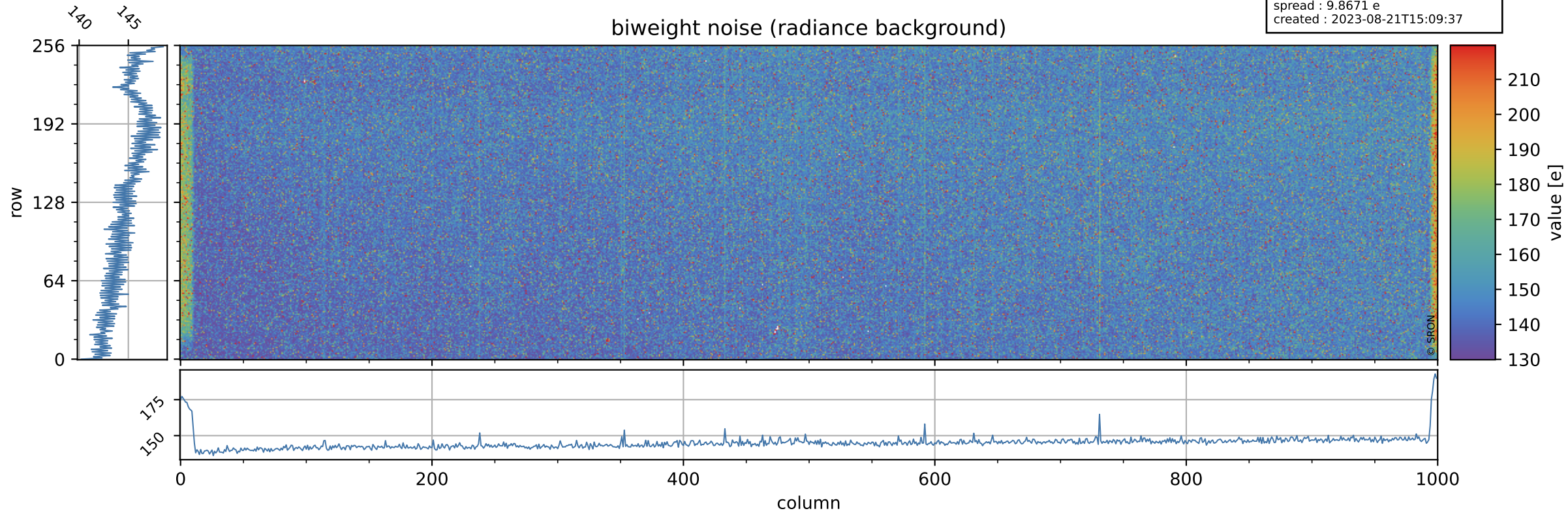




# Tropomi SWIR background noise (swir)

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
n\_coad, t\_exp : 1, 0.8383  
median : 144.73 e  
spread : 9.8671 e  
created : 2023-08-21T15:09:37

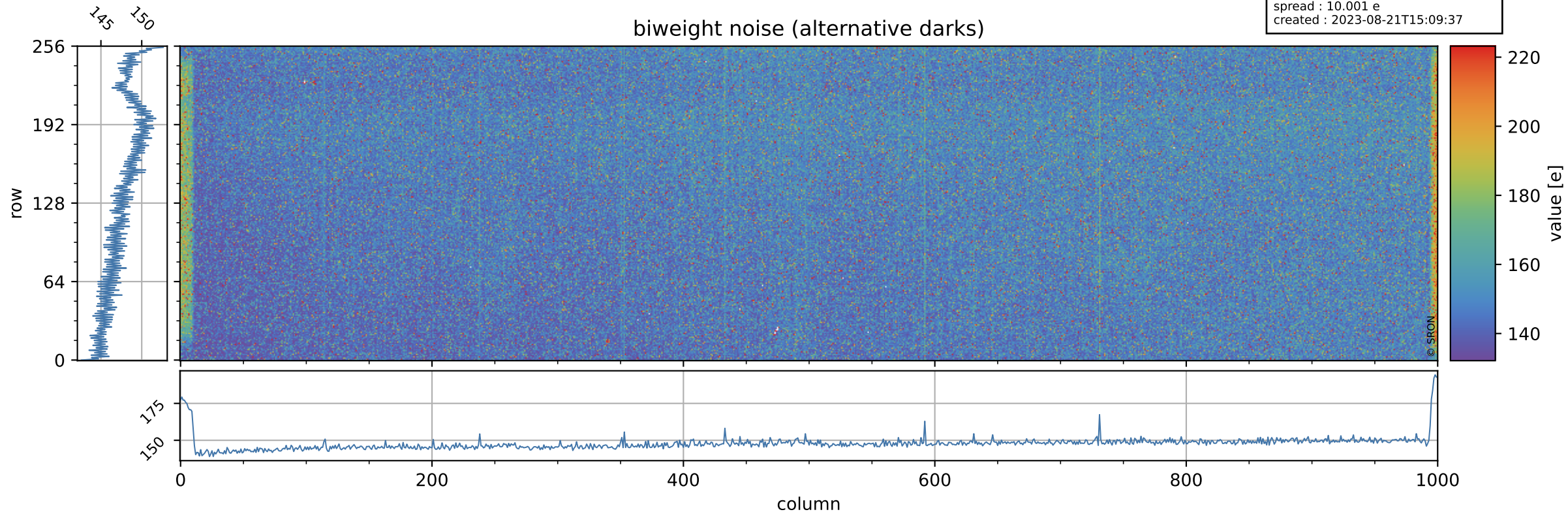
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.001 e  
created : 2023-08-21T15:09:37

## biweight noise (alternative darks)

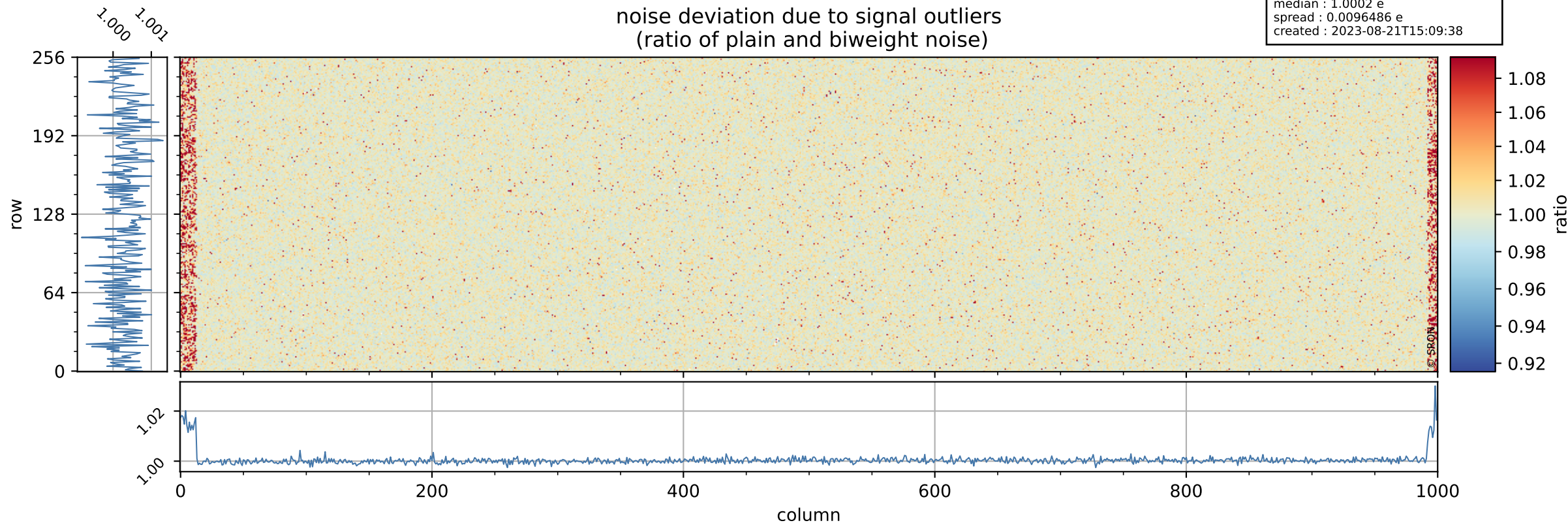




# Tropomi SWIR background noise (swir)

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

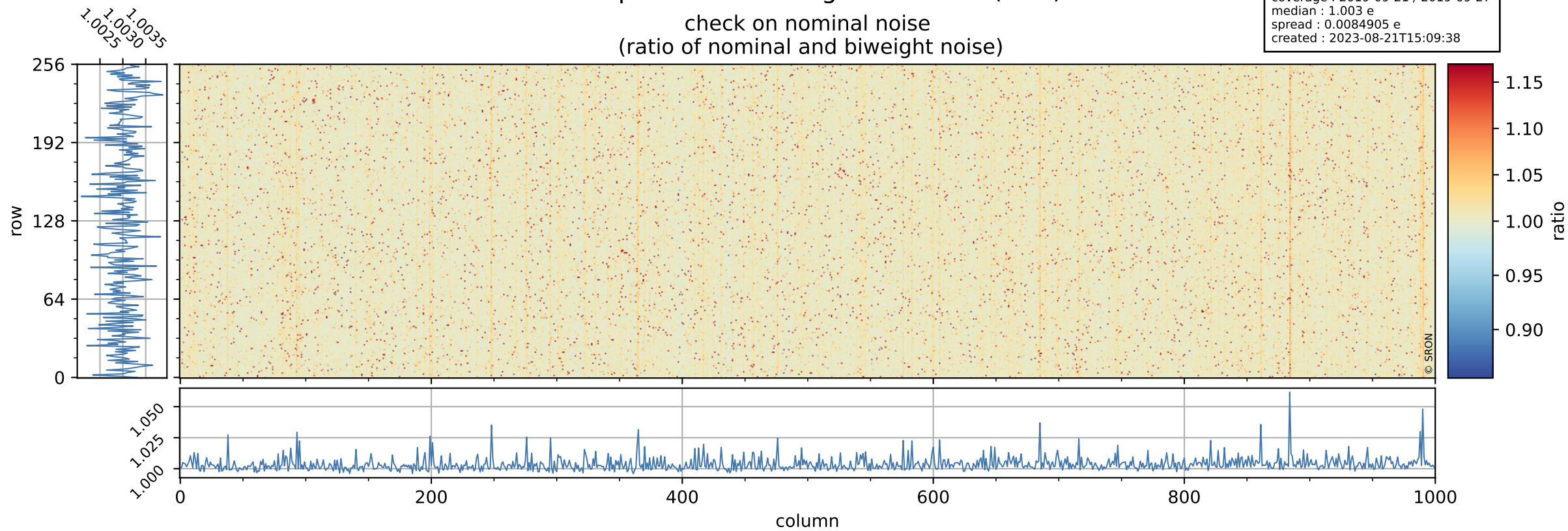
orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
median : 1.0002 e  
spread : 0.0096486 e  
created : 2023-08-21T15:09:38



# Tropomi SWIR background noise (swir)

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

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
median : 1.003 e  
spread : 0.0084905 e  
created : 2023-08-21T15:09:38

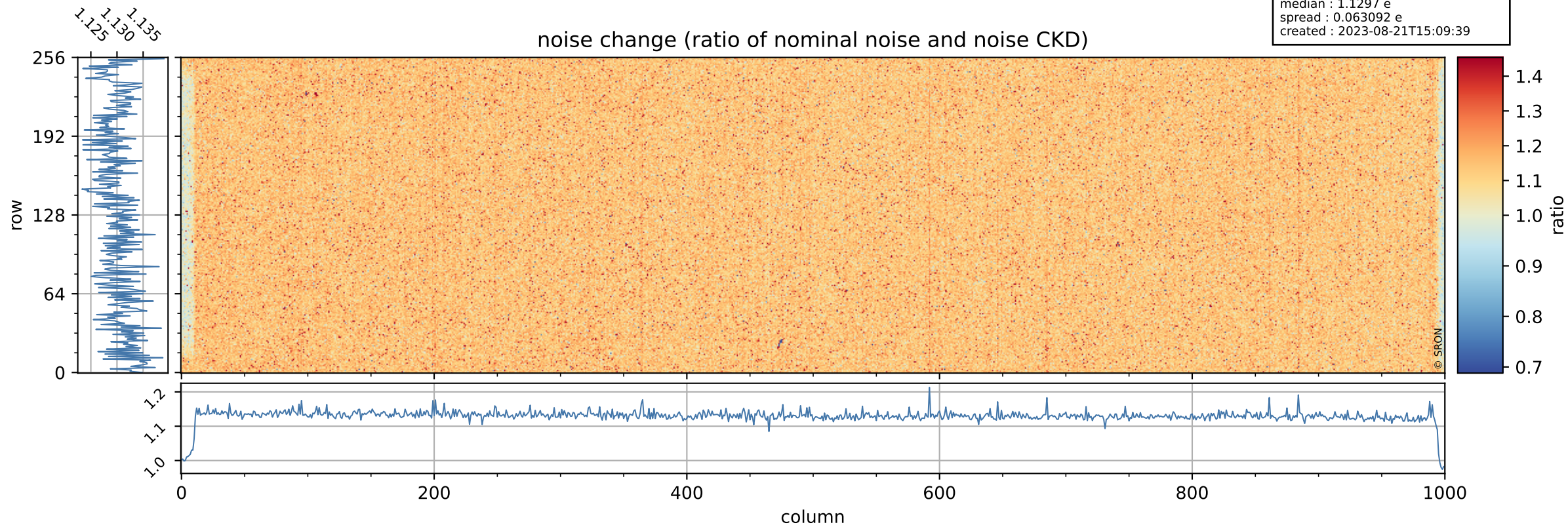




# Tropomi SWIR background noise (swir)

orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
median : 1.1297 e  
spread : 0.063092 e  
created : 2023-08-21T15:09:39

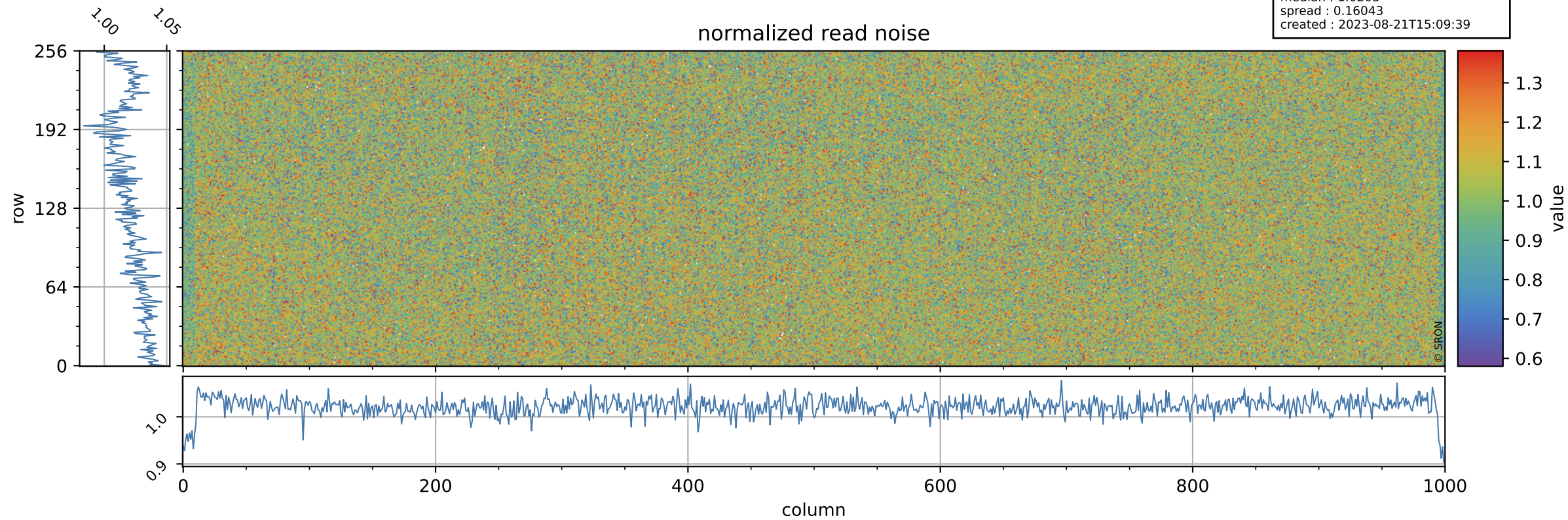
noise change (ratio of nominal noise and noise CKD)





# Tropomi SWIR background noise (swir)

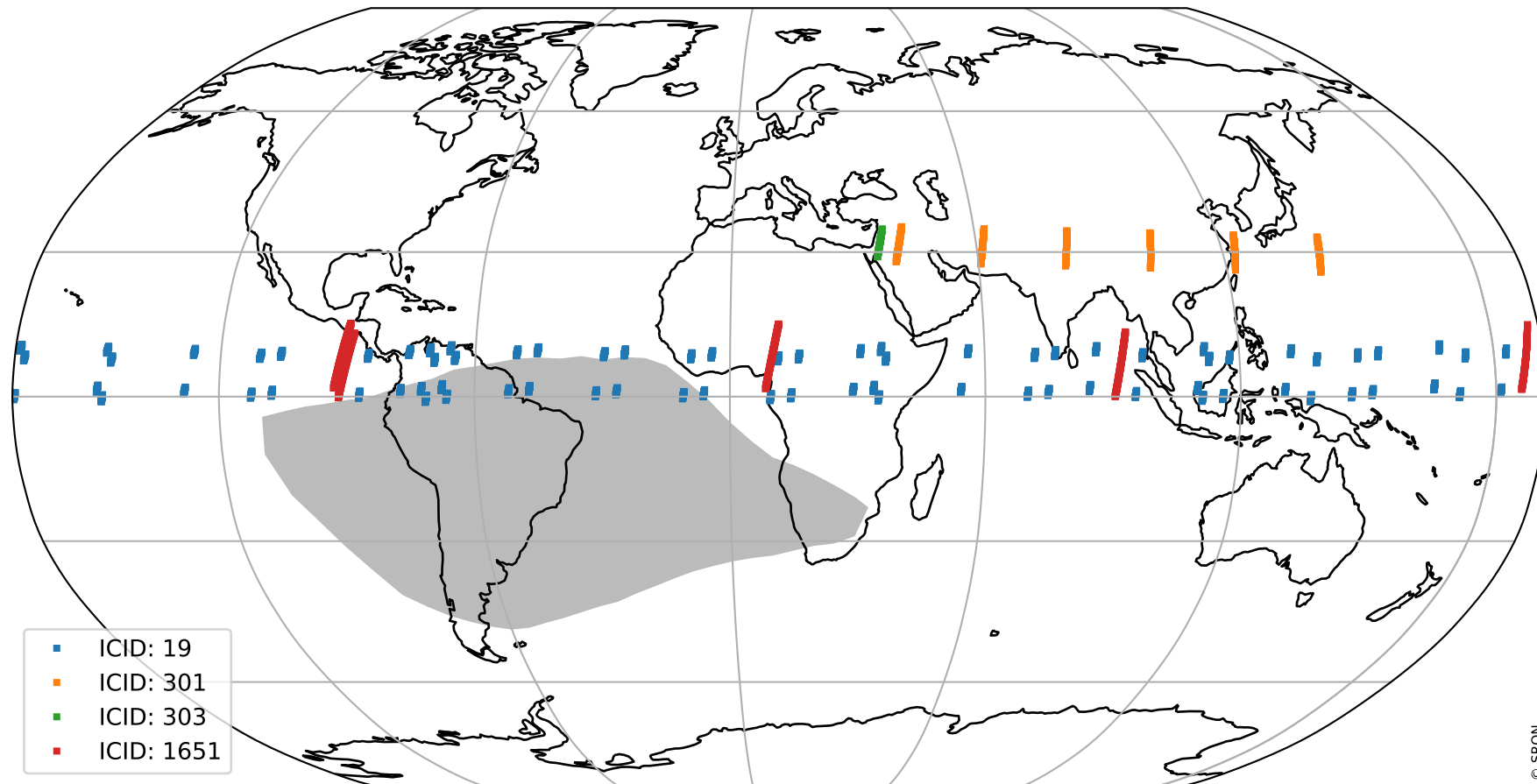
orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
median : 1.0203  
spread : 0.16043  
created : 2023-08-21T15:09:39





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

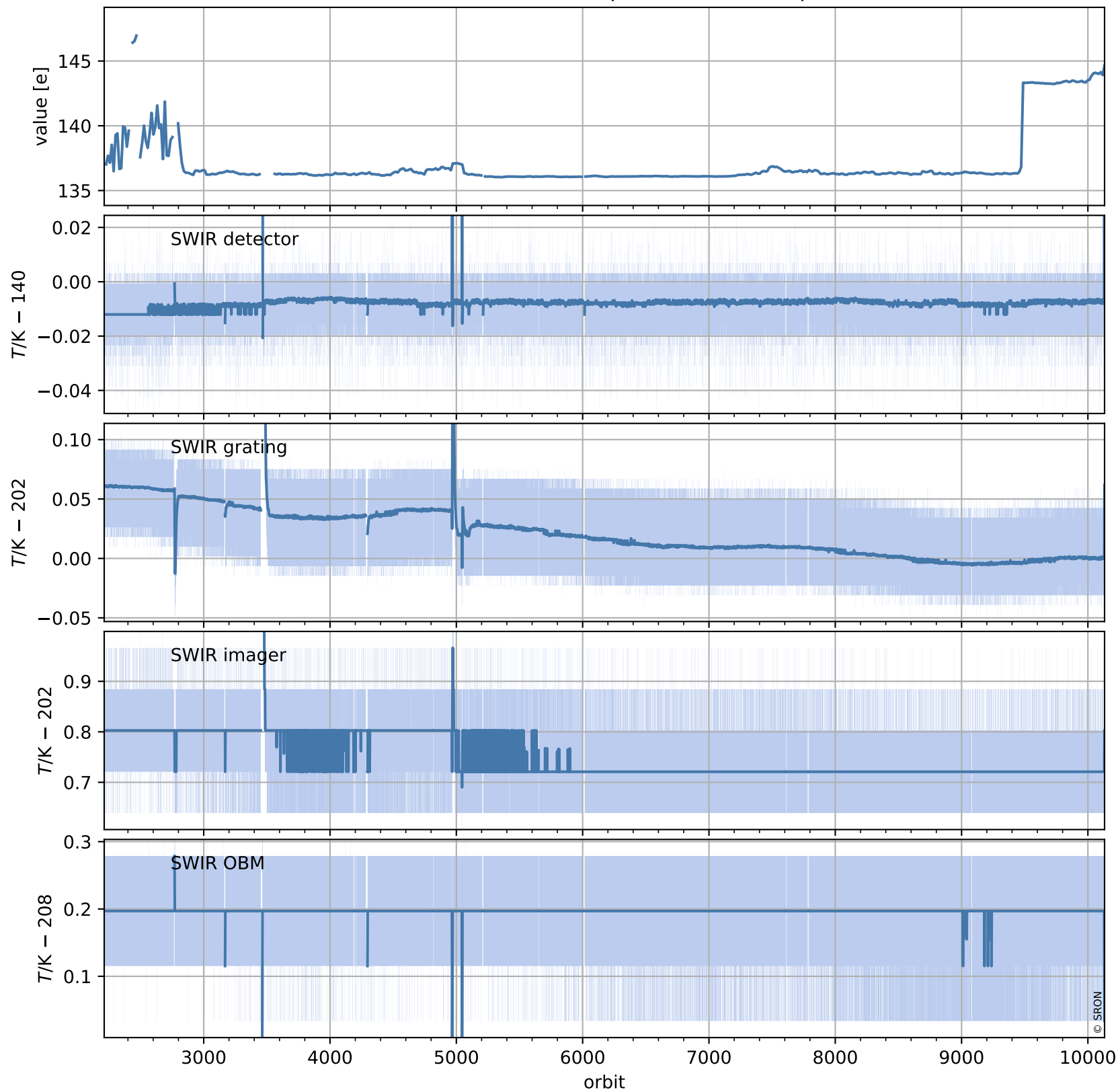
orbits : 12 in [10042, 10132]  
coverage : 2019-09-21 / 2019-09-27  
created : 2023-08-21T15:09:39



# Tropomi SWIR background noise (swir)

orbits : [2212, 10132]  
coverage : 2018-03-18 / 2019-09-27  
created : 2023-08-21T15:09:40

## trend of detector median of plain noise & temperatures

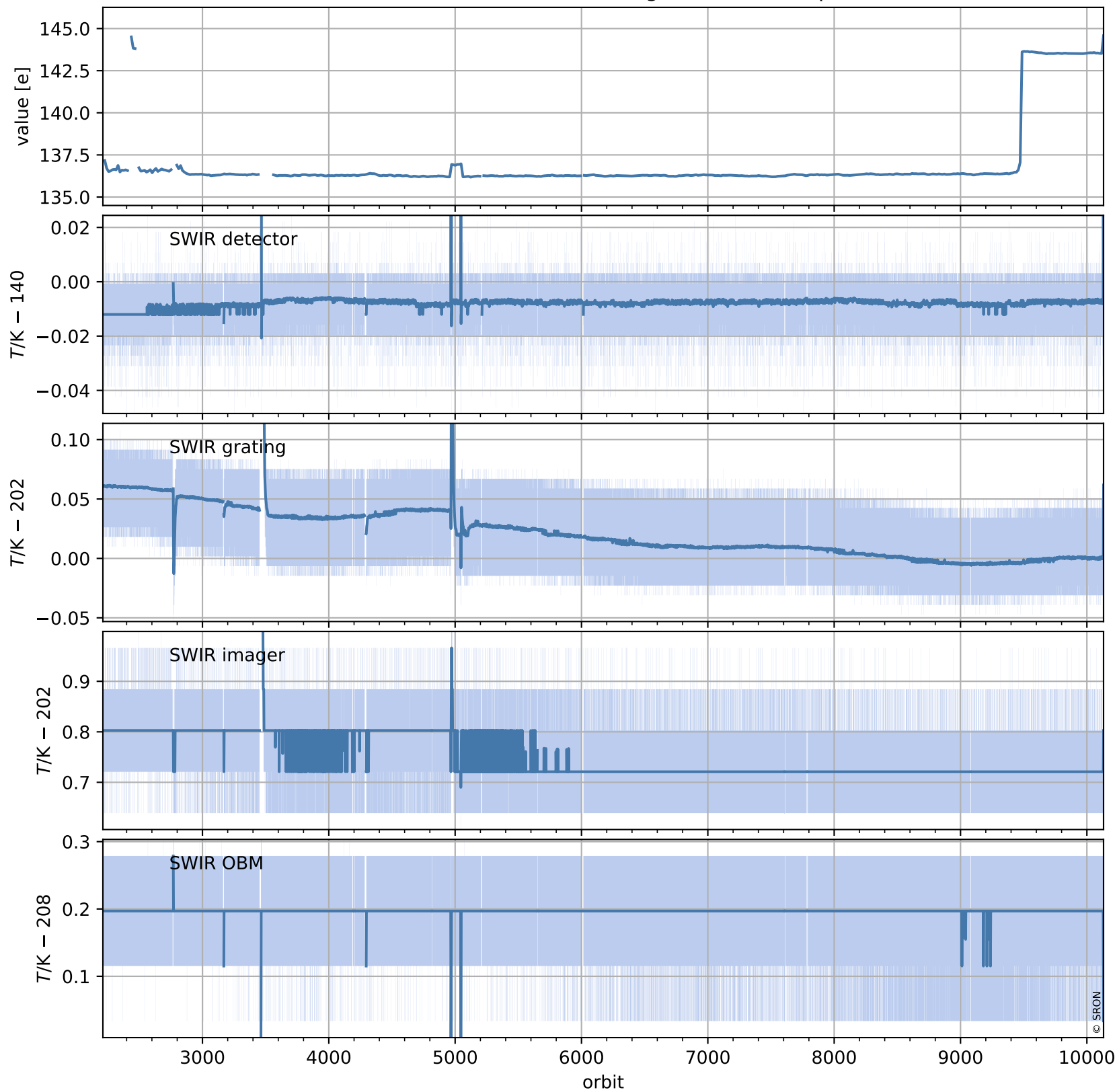




# Tropomi SWIR background noise (swir)

orbits : [2212, 10132]  
coverage : 2018-03-18 / 2019-09-27  
created : 2023-08-21T15:09:41

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 10132]  
coverage : 2018-03-18 / 2019-09-27  
created : 2023-08-21T15:09:42

## trend of normalized read-noise & temperatures

