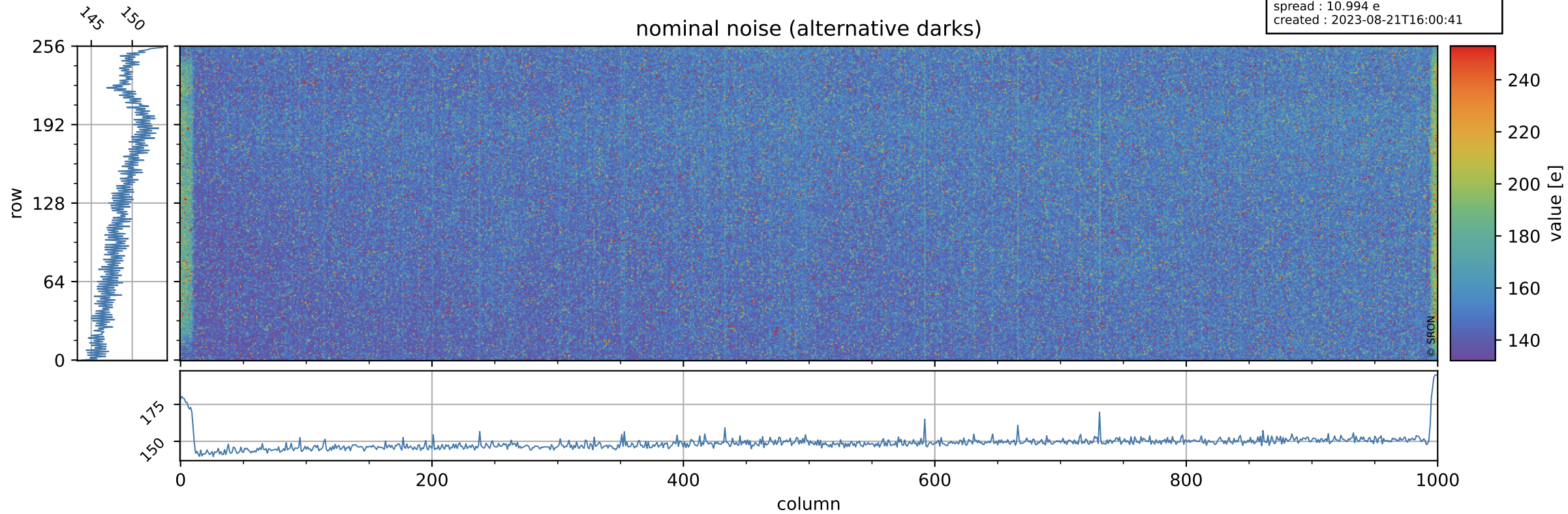


# Tropomi SWIR background noise (swir)

orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
n\_coad, t\_exp : 1, 1.0783  
median : 148.67 e  
spread : 10.994 e  
created : 2023-08-21T16:00:41

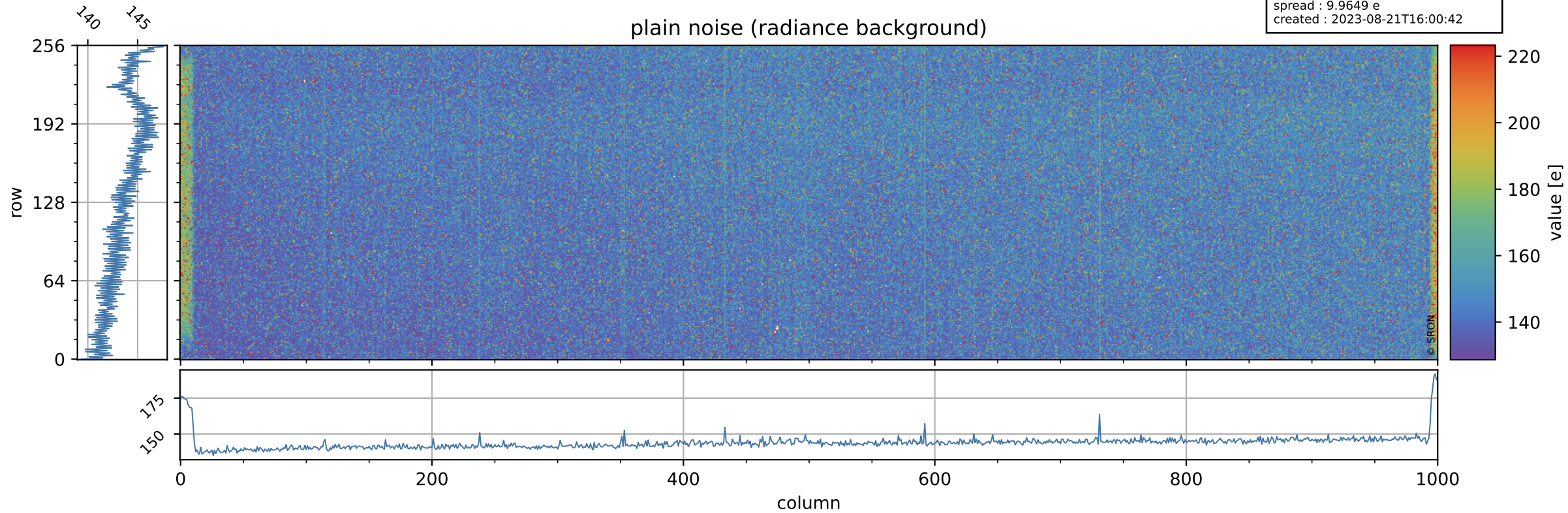
## nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.58 e  
spread : 9.9649 e  
created : 2023-08-21T16:00:42

plain noise (radiance background)

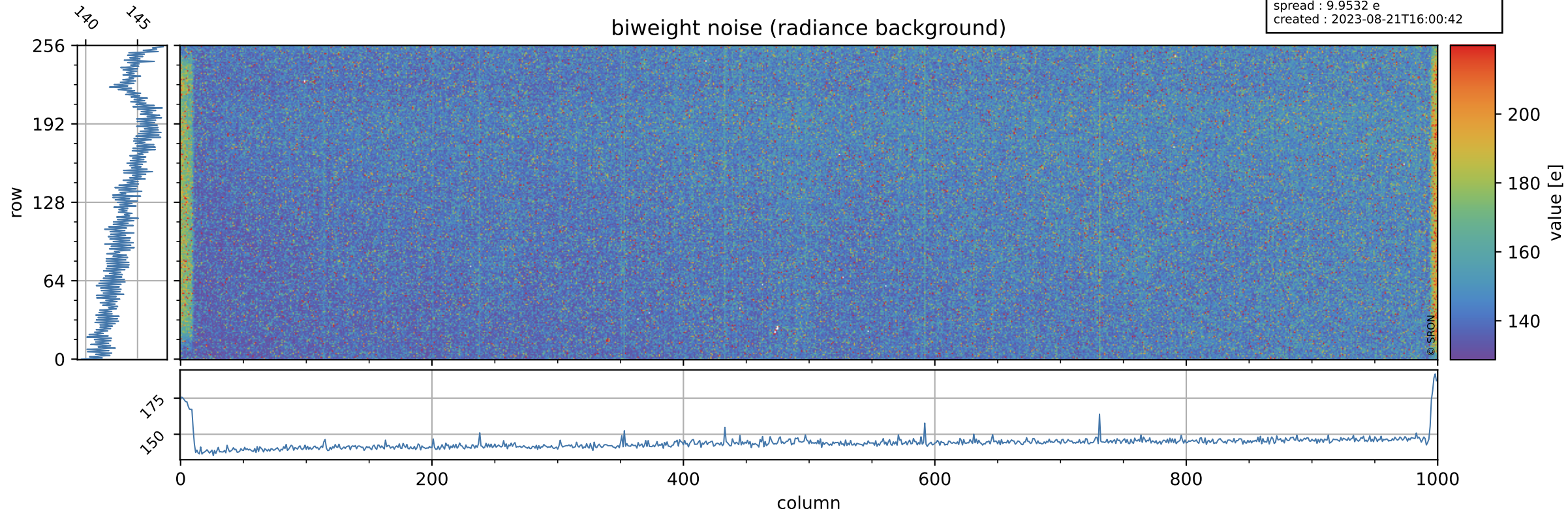




# Tropomi SWIR background noise (swir)

orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
n\_coad, t\_exp : 1, 0.8383  
median : 143.82 e  
spread : 9.9532 e  
created : 2023-08-21T16:00:42

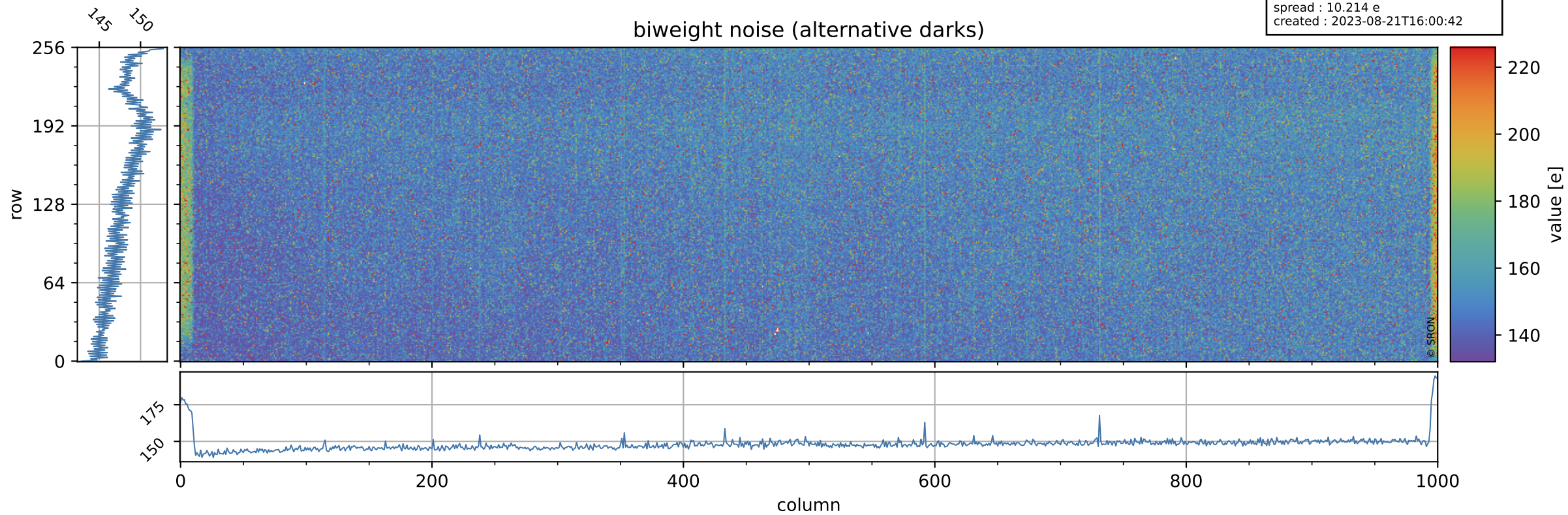
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
n\_coad, t\_exp : 1, 1.0783  
median : 147.77 e  
spread : 10.214 e  
created : 2023-08-21T16:00:42

## biweight noise (alternative darks)

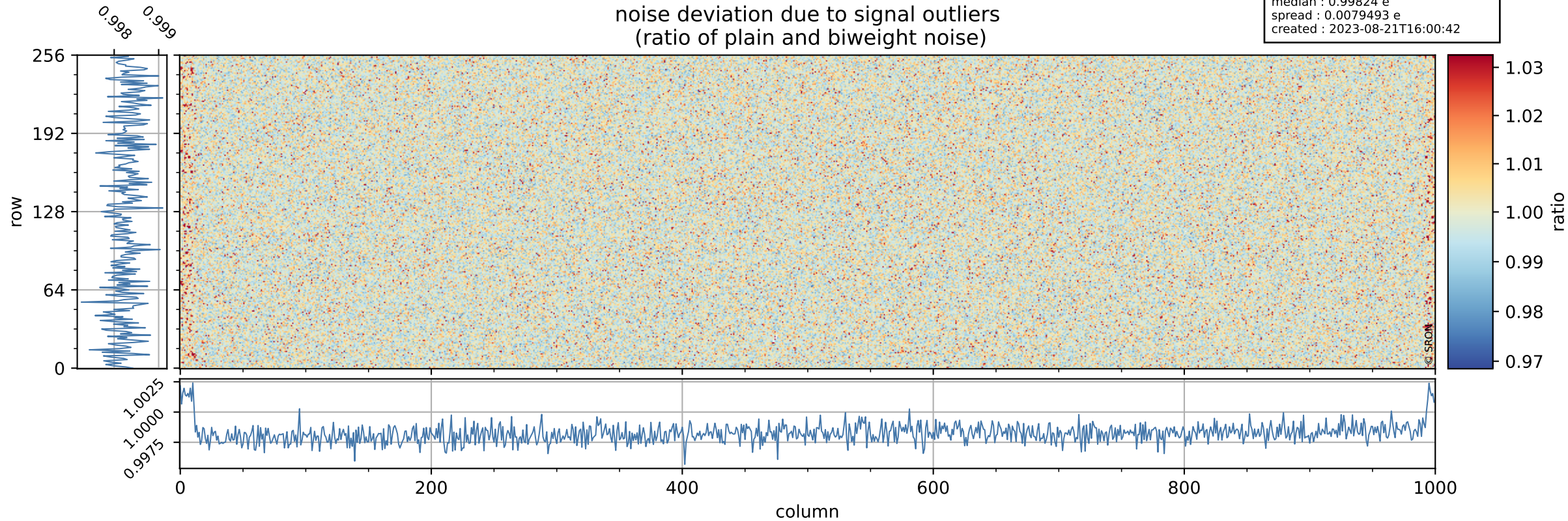




# Tropomi SWIR background noise (swir)

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

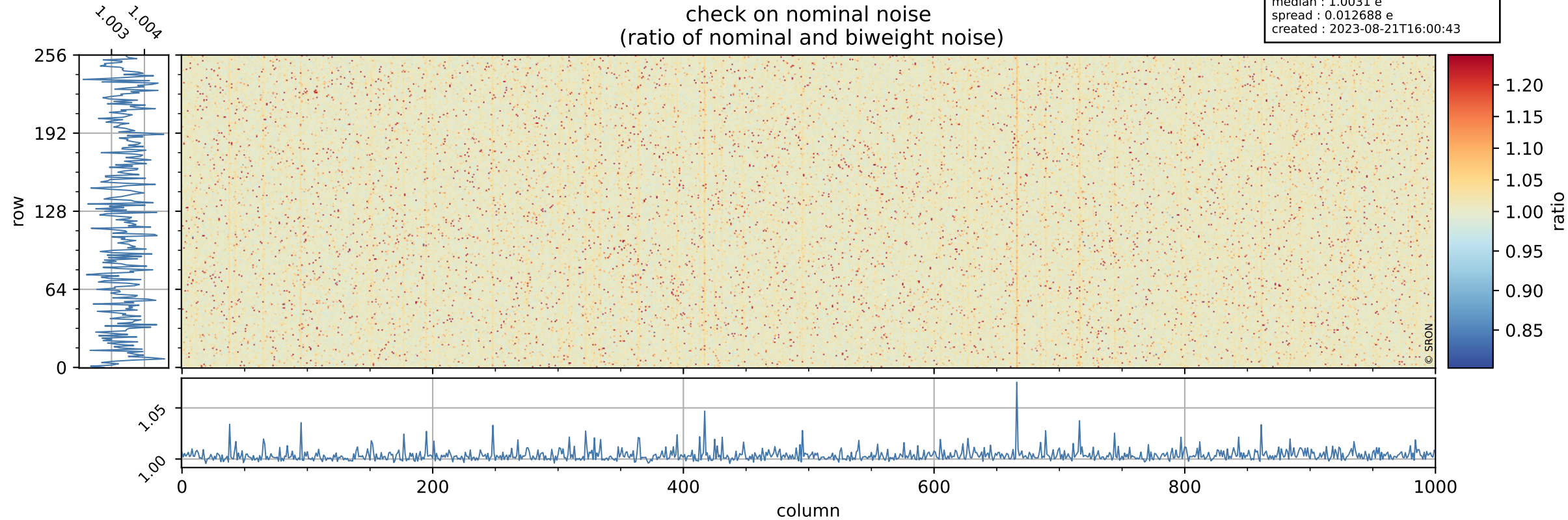
orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
median : 0.99824 e  
spread : 0.0079493 e  
created : 2023-08-21T16:00:42



# Tropomi SWIR background noise (swir)

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

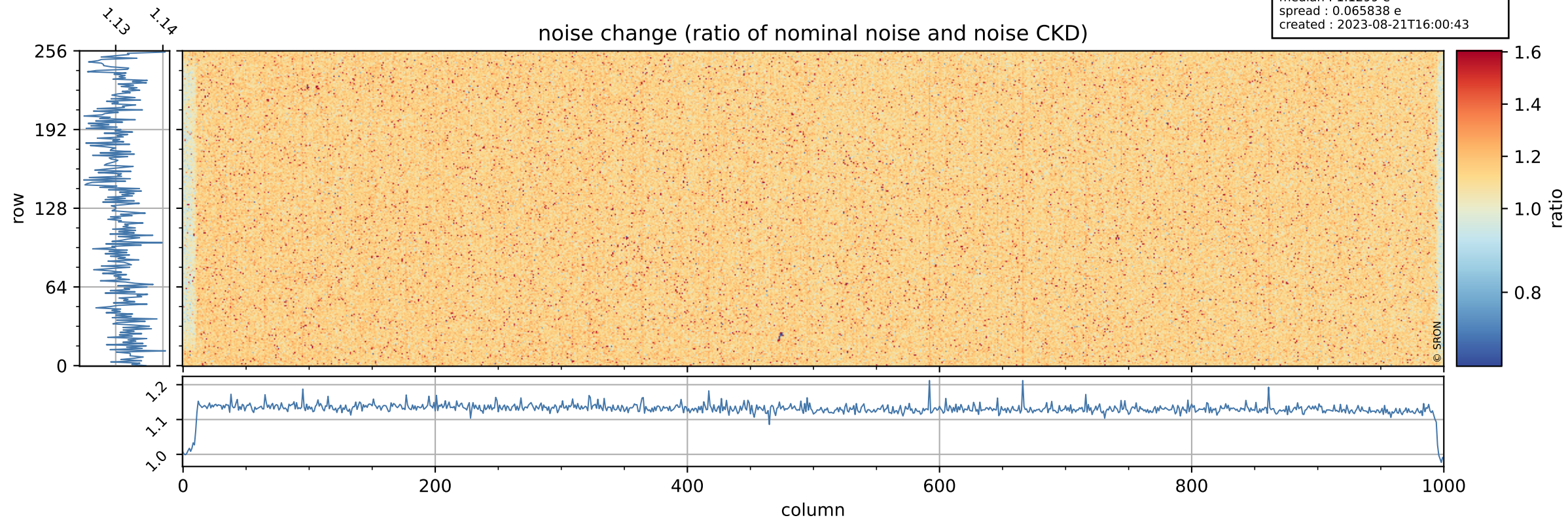
orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
median : 1.0031 e  
spread : 0.012688 e  
created : 2023-08-21T16:00:43





# Tropomi SWIR background noise (swir)

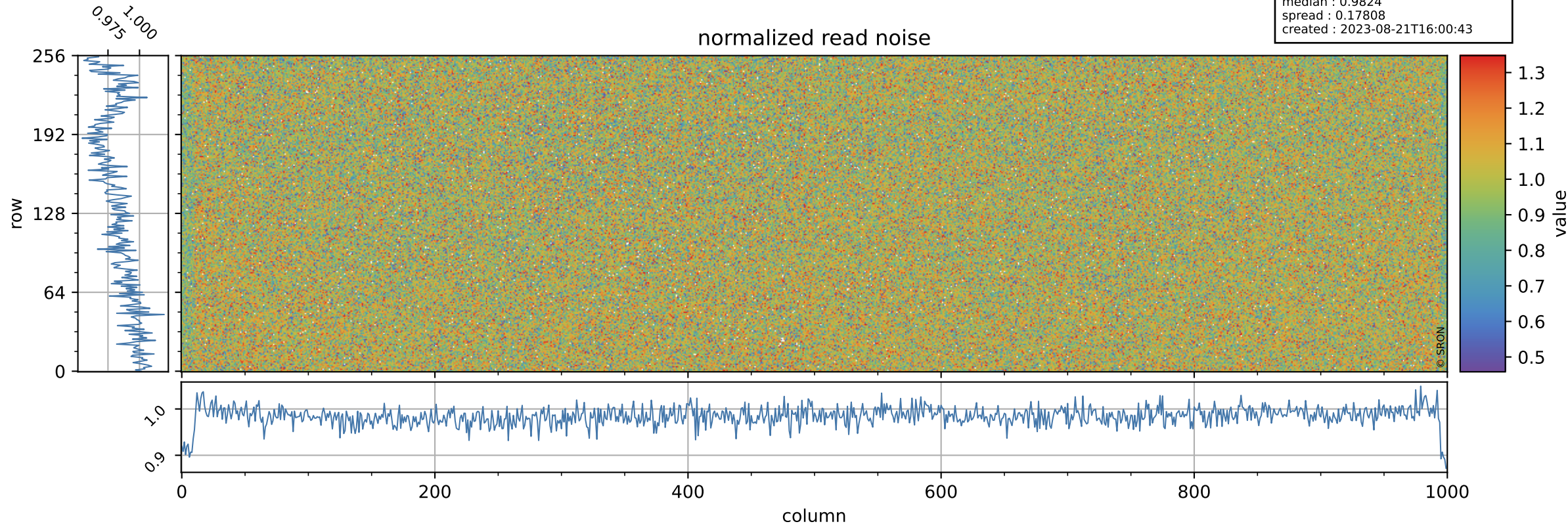
orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
median : 1.1299 e  
spread : 0.065838 e  
created : 2023-08-21T16:00:43





# Tropomi SWIR background noise (swir)

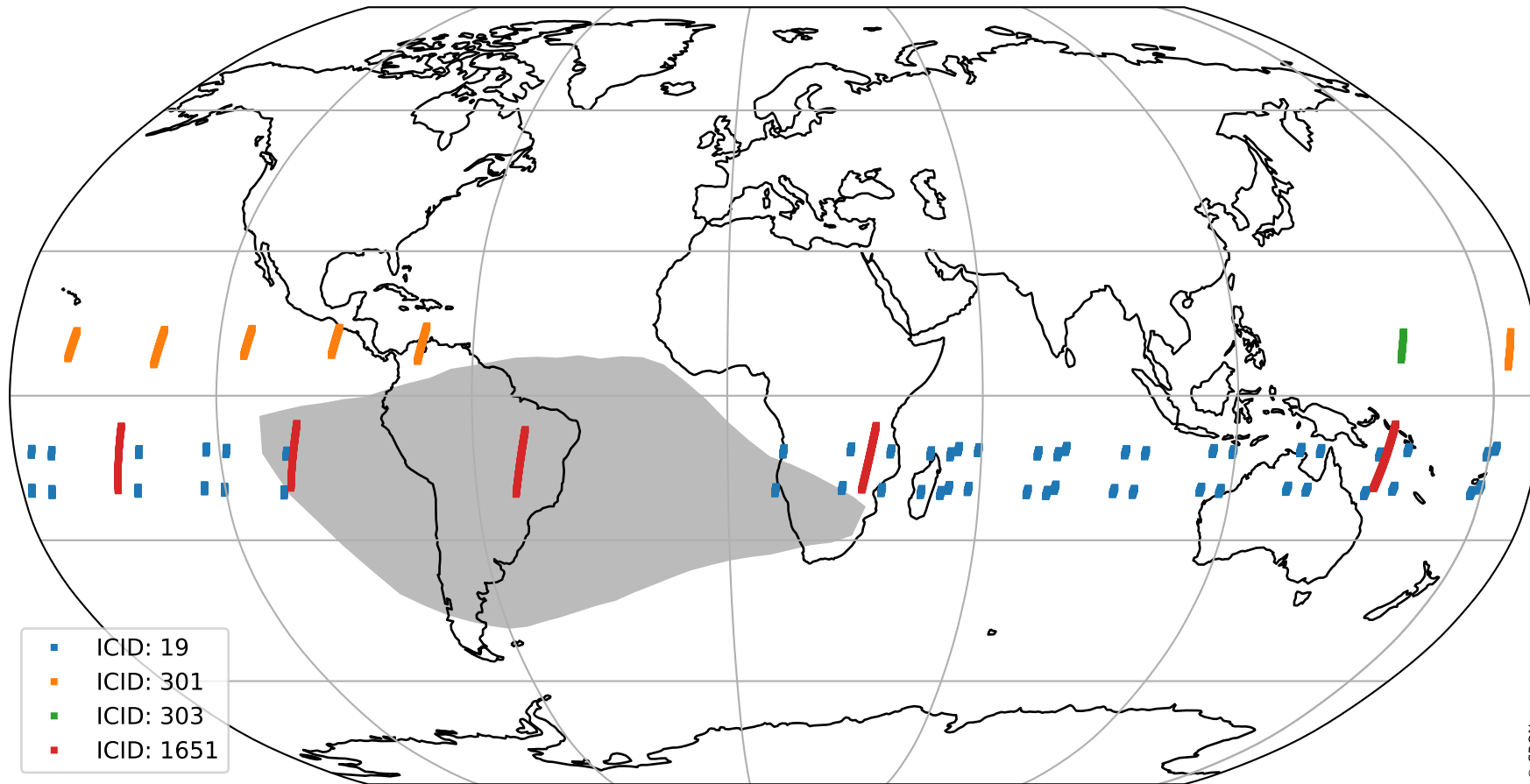
orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
median : 0.9824  
spread : 0.17808  
created : 2023-08-21T16:00:43





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

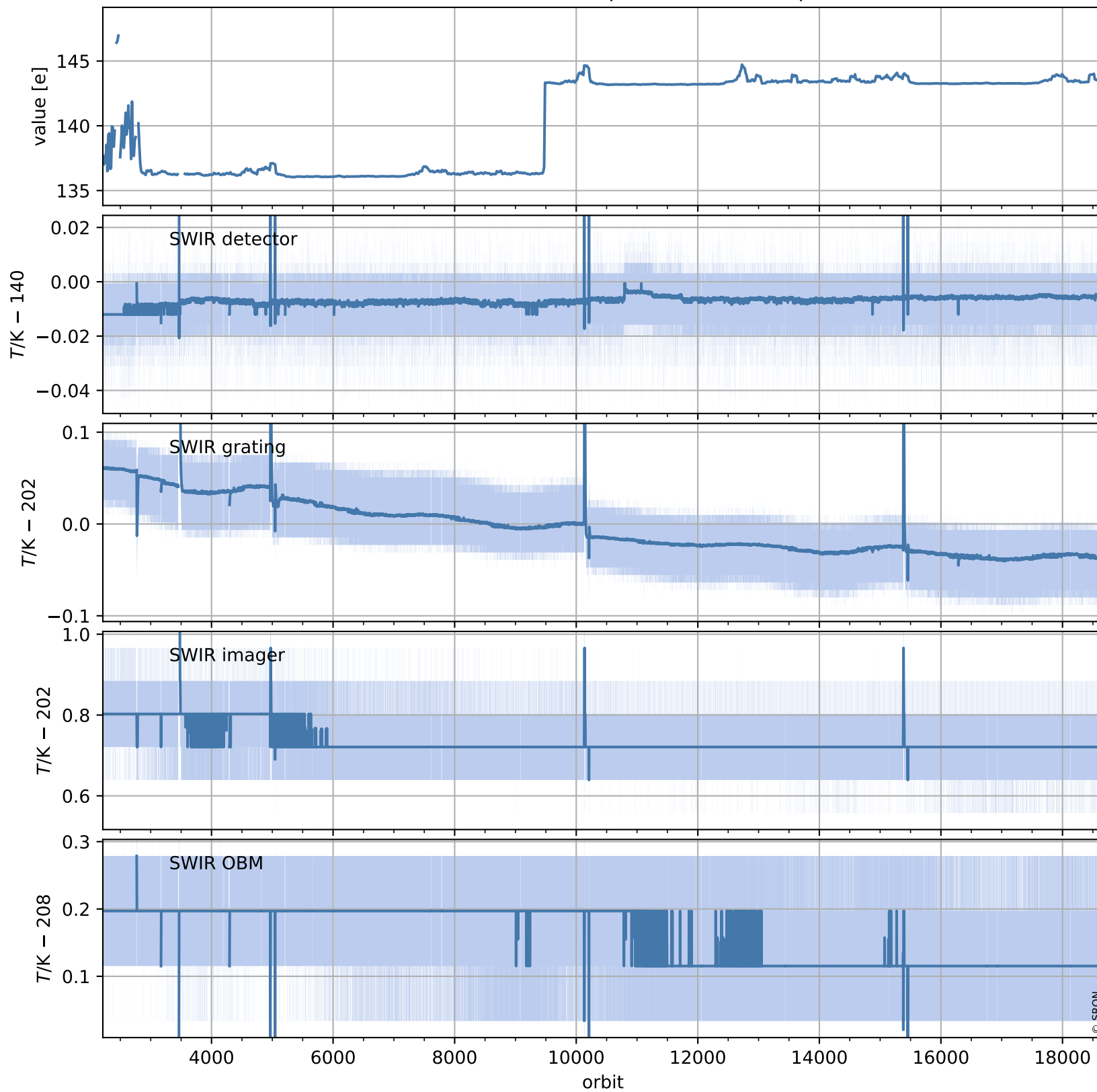
orbits : 12 in [18577, 18667]  
coverage : 2021-05-15 / 2021-05-21  
created : 2023-08-21T16:00:44



# Tropomi SWIR background noise (swir)

orbits : [2212, 18667]  
coverage : 2018-03-18 / 2021-05-21  
created : 2023-08-21T16:00:44

## trend of detector median of plain noise & temperatures

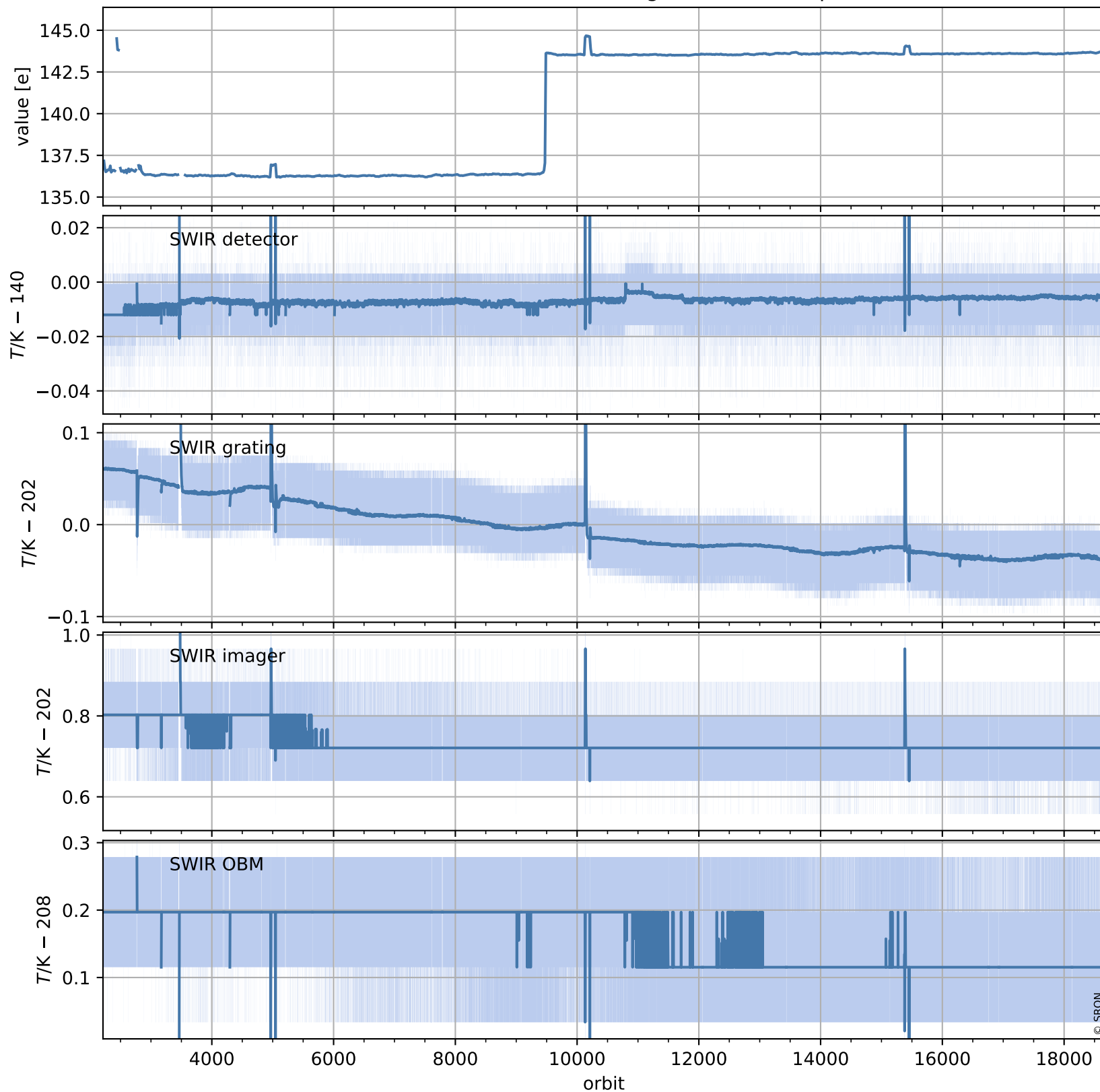




# Tropomi SWIR background noise (swir)

orbits : [2212, 18667]  
coverage : 2018-03-18 / 2021-05-21  
created : 2023-08-21T16:00:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 18667]  
coverage : 2018-03-18 / 2021-05-21  
created : 2023-08-21T16:00:46

## trend of normalized read-noise & temperatures

