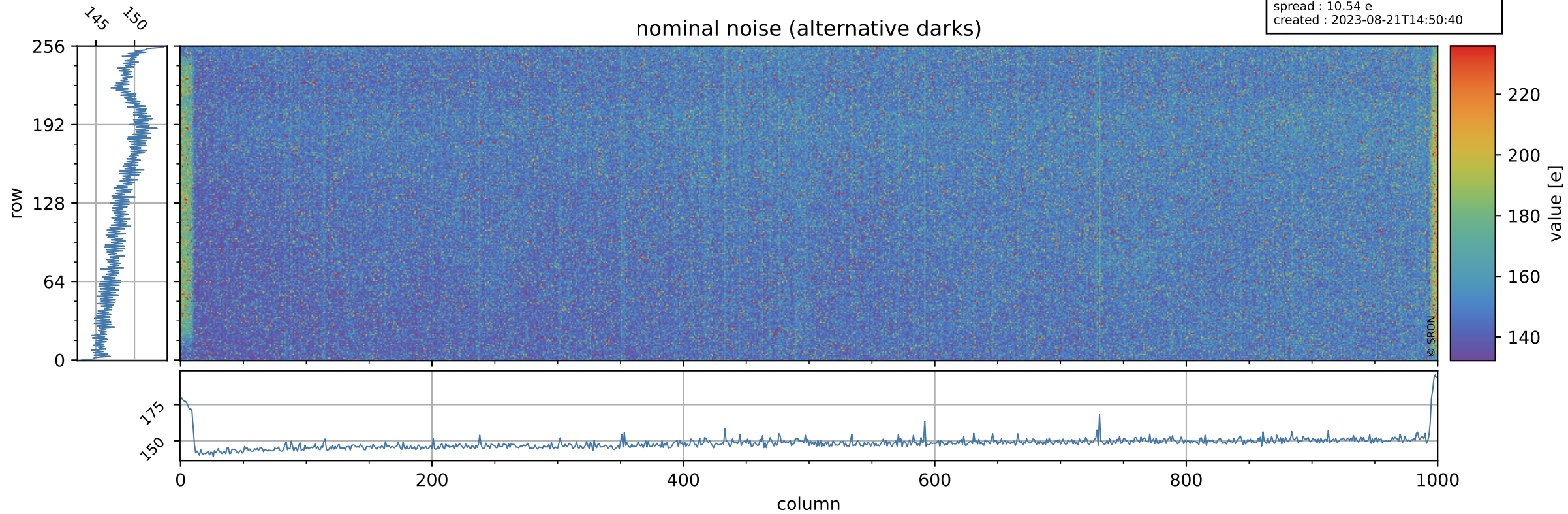


# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
n\_coad, t\_exp : 1, 1.0783  
median : 148.3 e  
spread : 10.54 e  
created : 2023-08-21T14:50:40

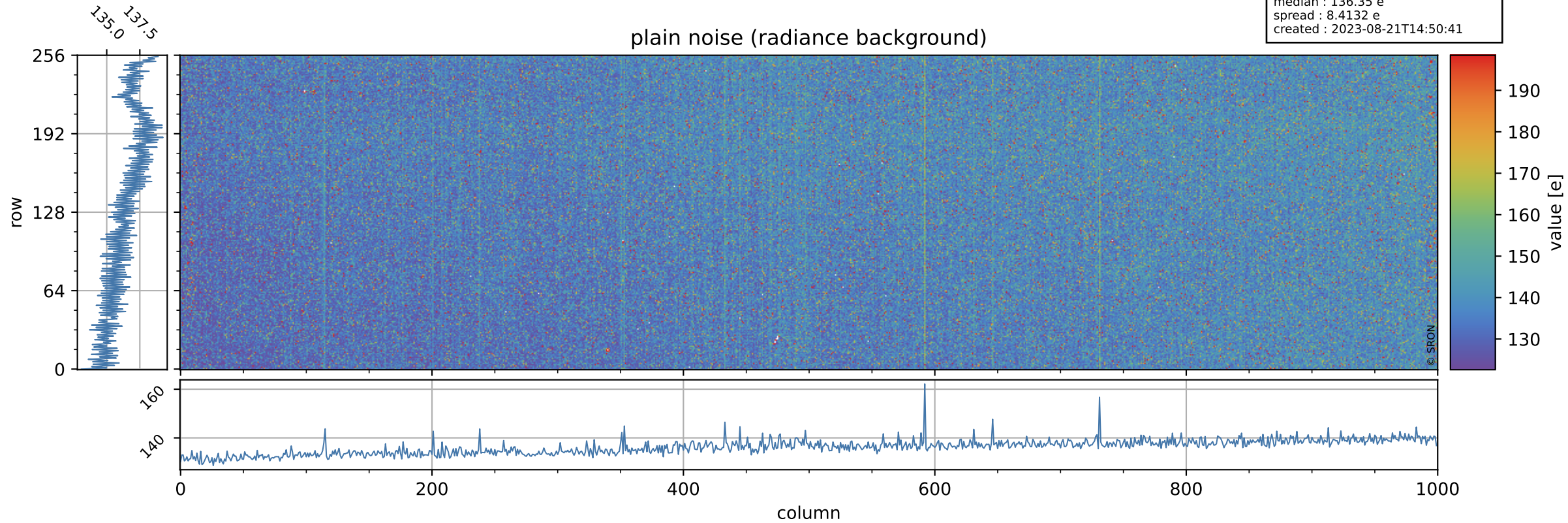
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.35 e  
spread : 8.4132 e  
created : 2023-08-21T14:50:41

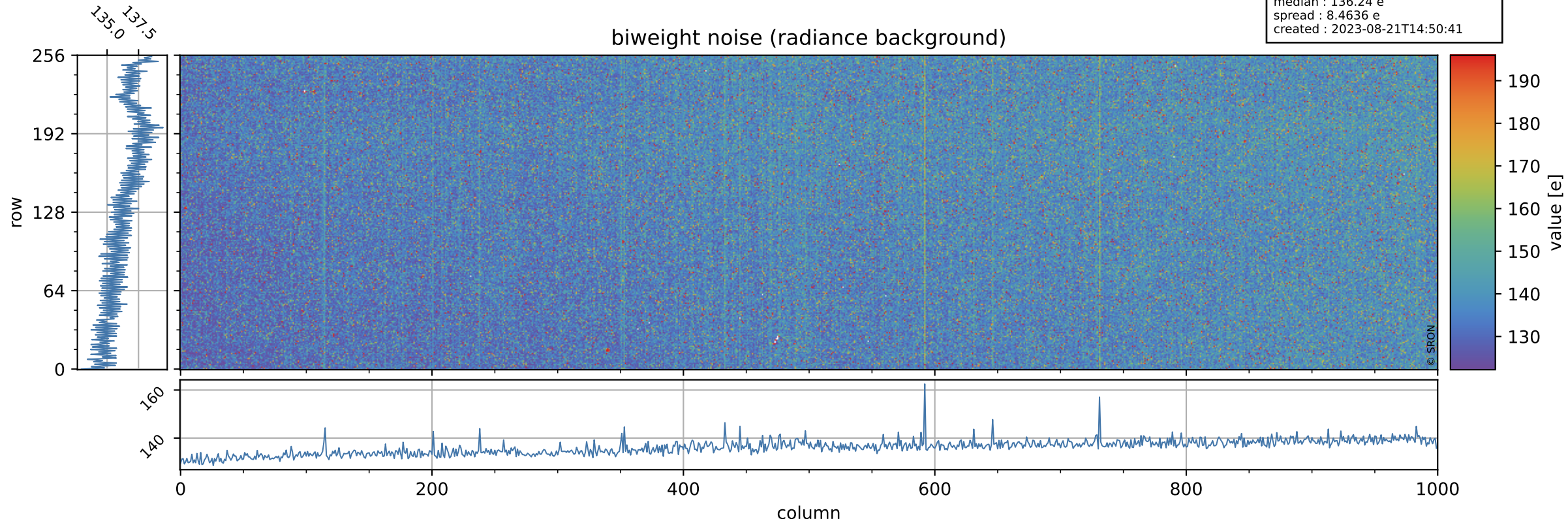
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
n\_coad, t\_exp : 2, 0.5383  
median : 136.24 e  
spread : 8.4636 e  
created : 2023-08-21T14:50:41

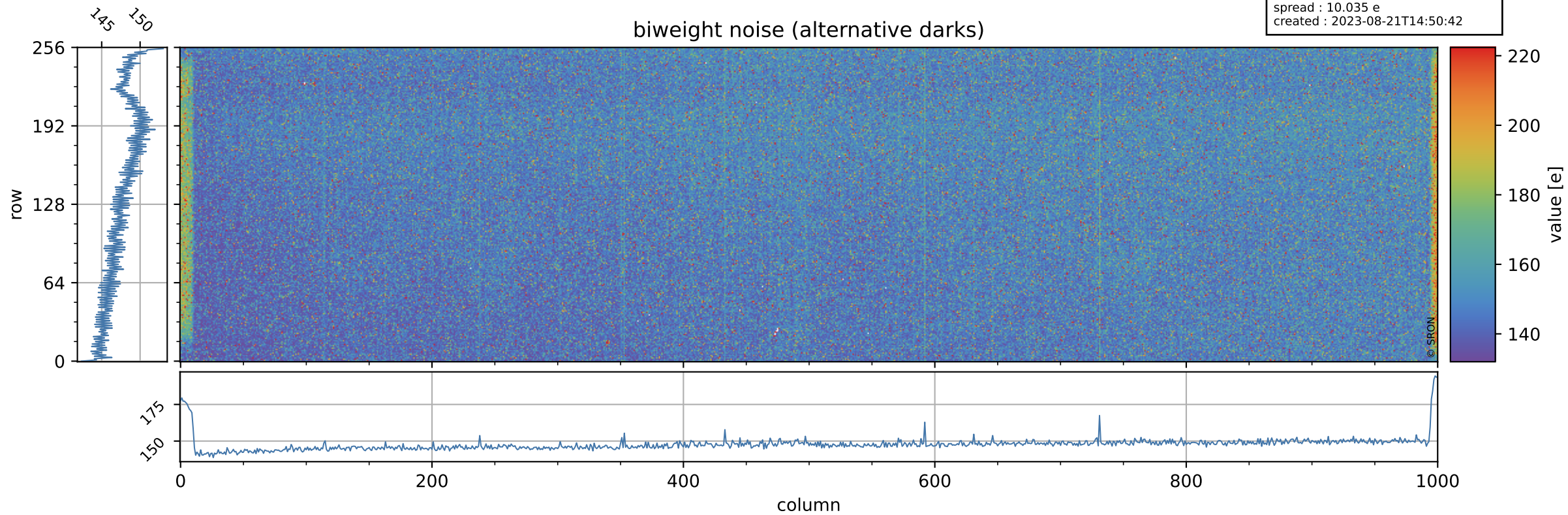
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 10.035 e  
created : 2023-08-21T14:50:42

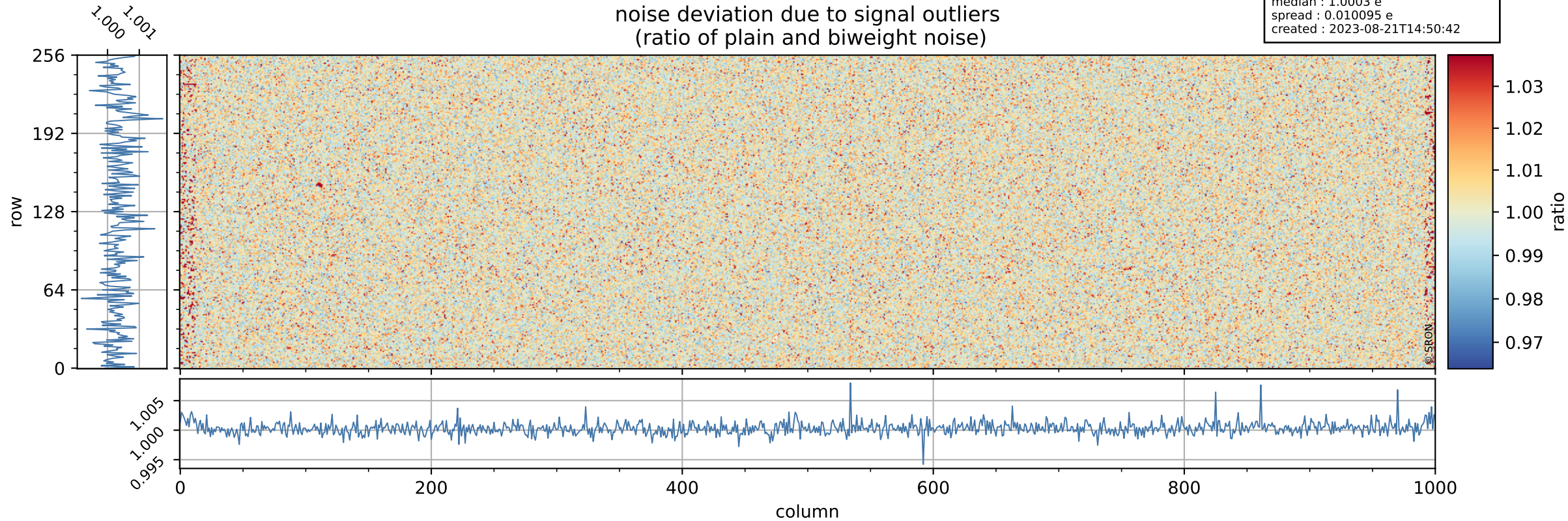
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

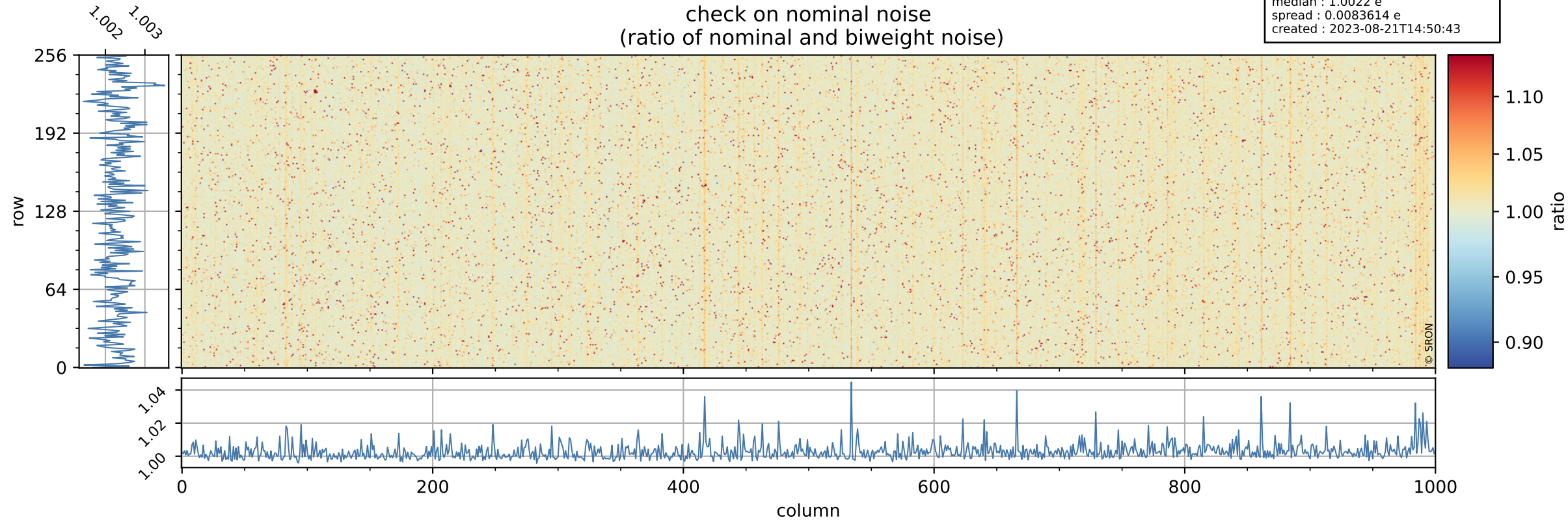
orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
median : 1.0003 e  
spread : 0.010095 e  
created : 2023-08-21T14:50:42



# Tropomi SWIR background noise (swir)

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

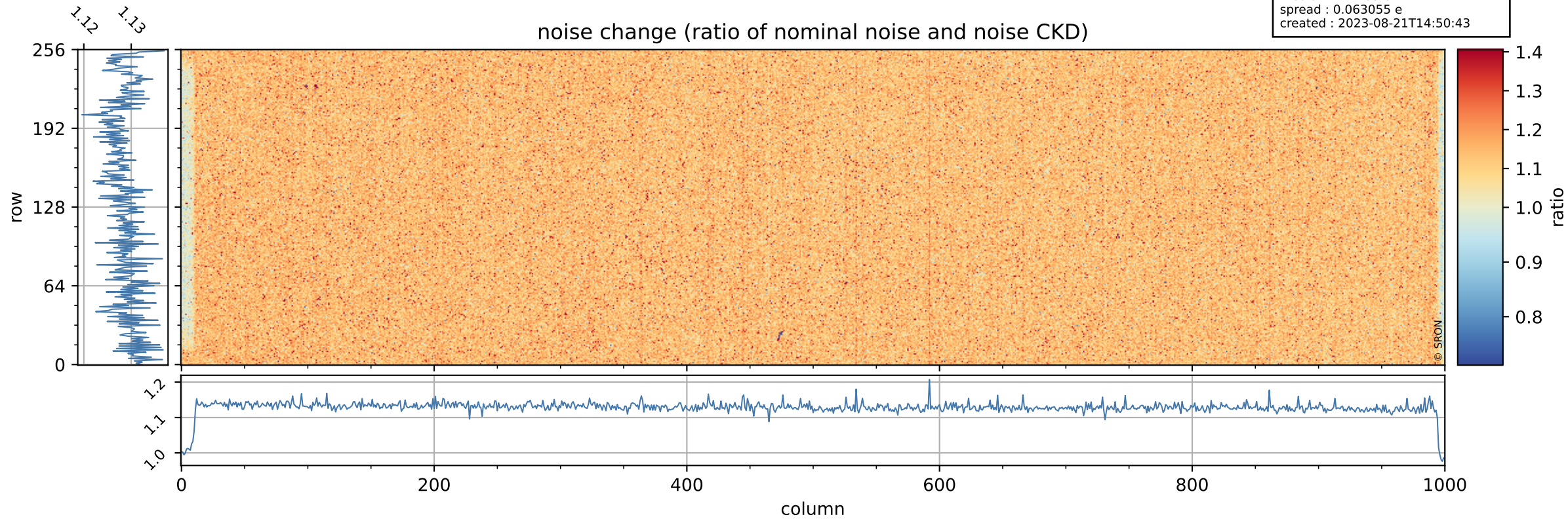
orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
median : 1.0022 e  
spread : 0.0083614 e  
created : 2023-08-21T14:50:43



# Tropomi SWIR background noise (swir)

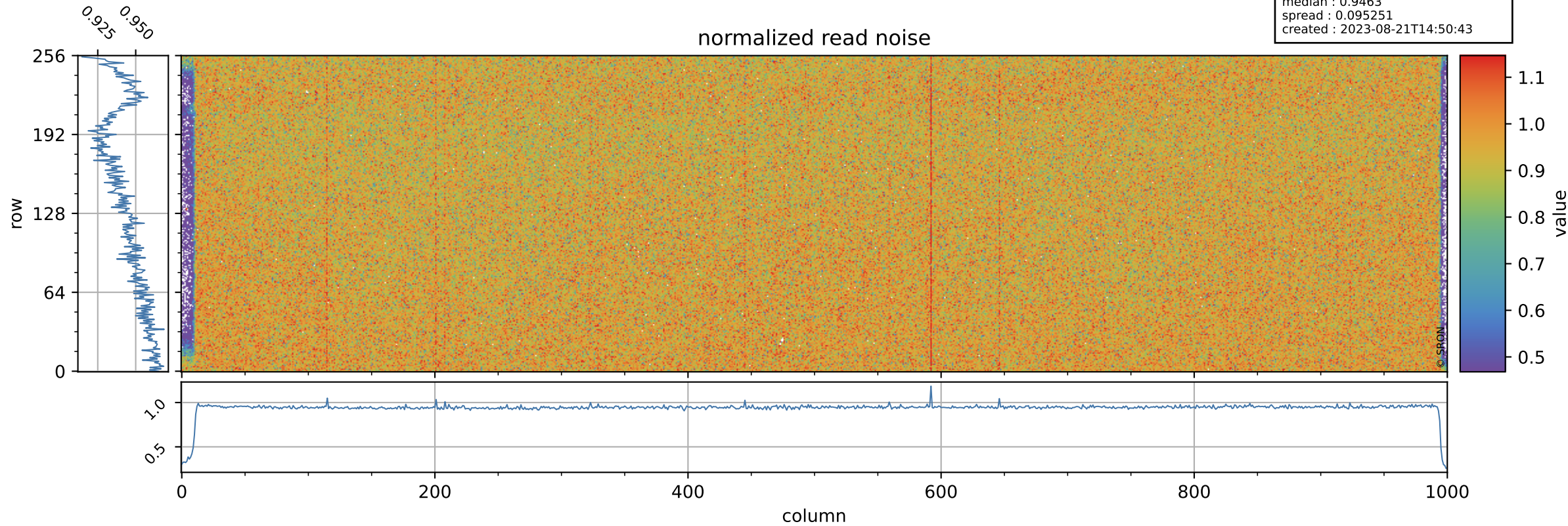
orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
median : 1.1283 e  
spread : 0.063055 e  
created : 2023-08-21T14:50:43

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

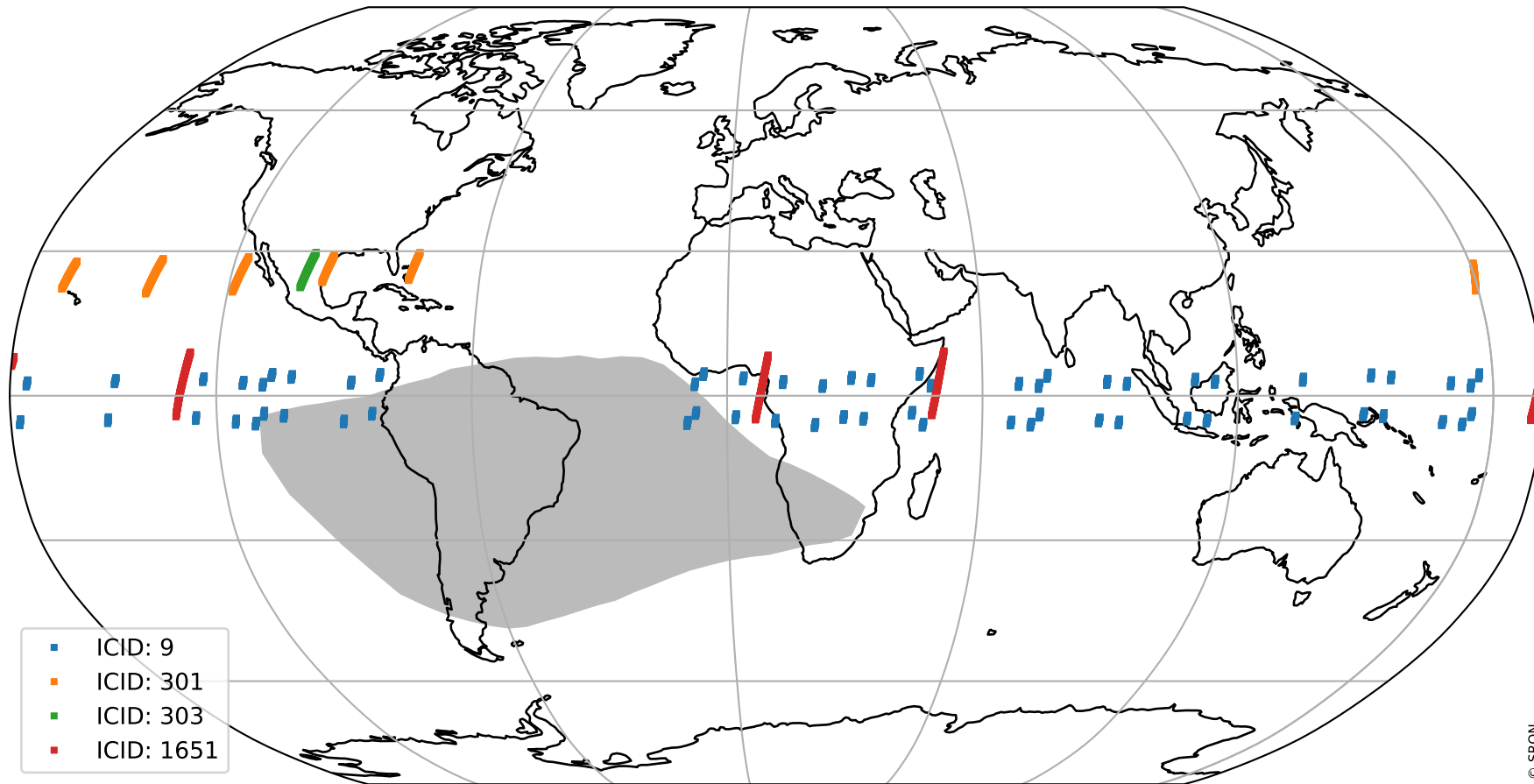
orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
median : 0.9463  
spread : 0.095251  
created : 2023-08-21T14:50:43





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

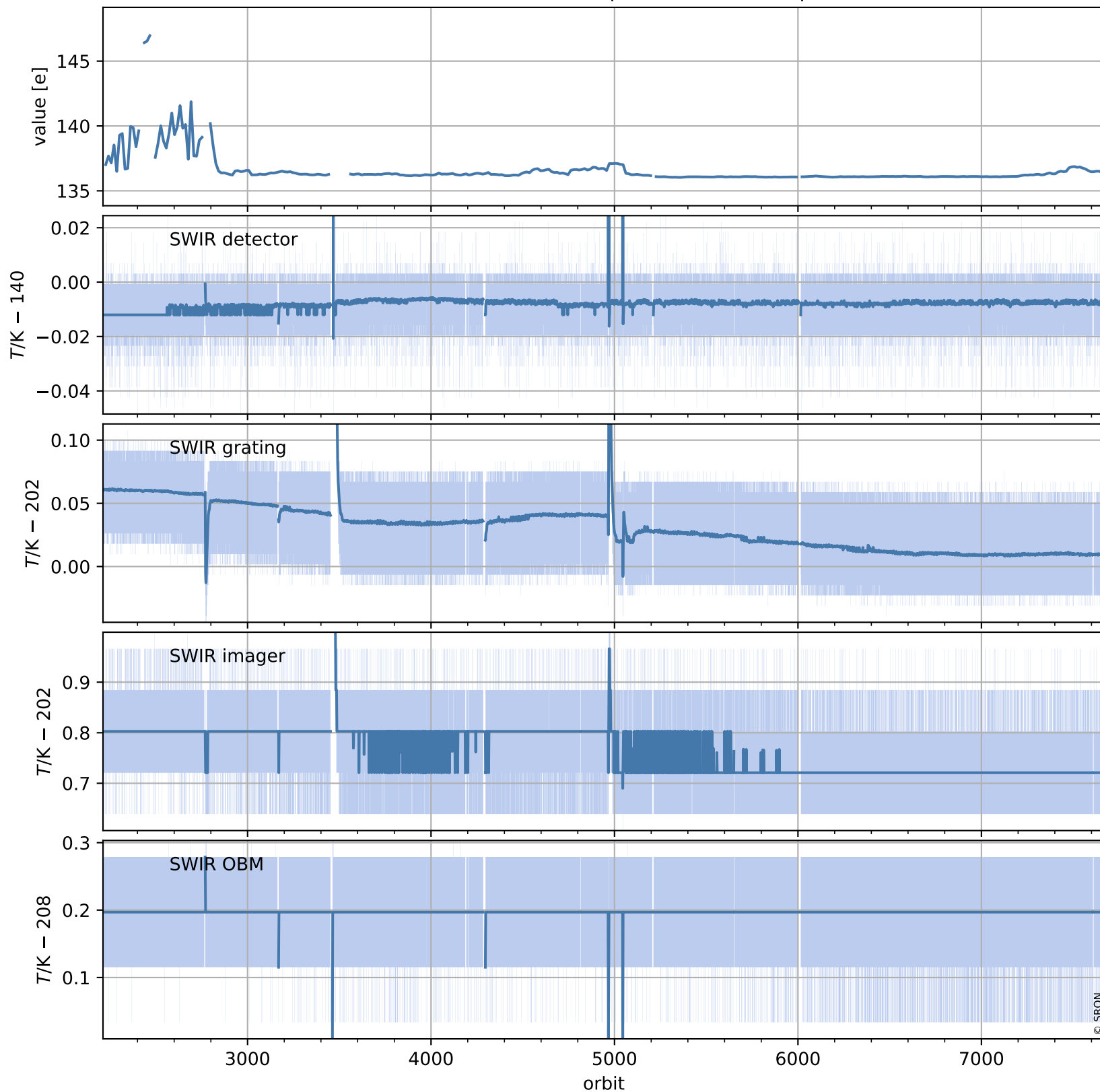
orbits : 11 in [7597, 7672]  
coverage : 2019-04-01 / 2019-04-06  
created : 2023-08-21T14:50:44



# Tropomi SWIR background noise (swir)

orbits : [2212, 7672]  
coverage : 2018-03-18 / 2019-04-06  
created : 2023-08-21T14:50:44

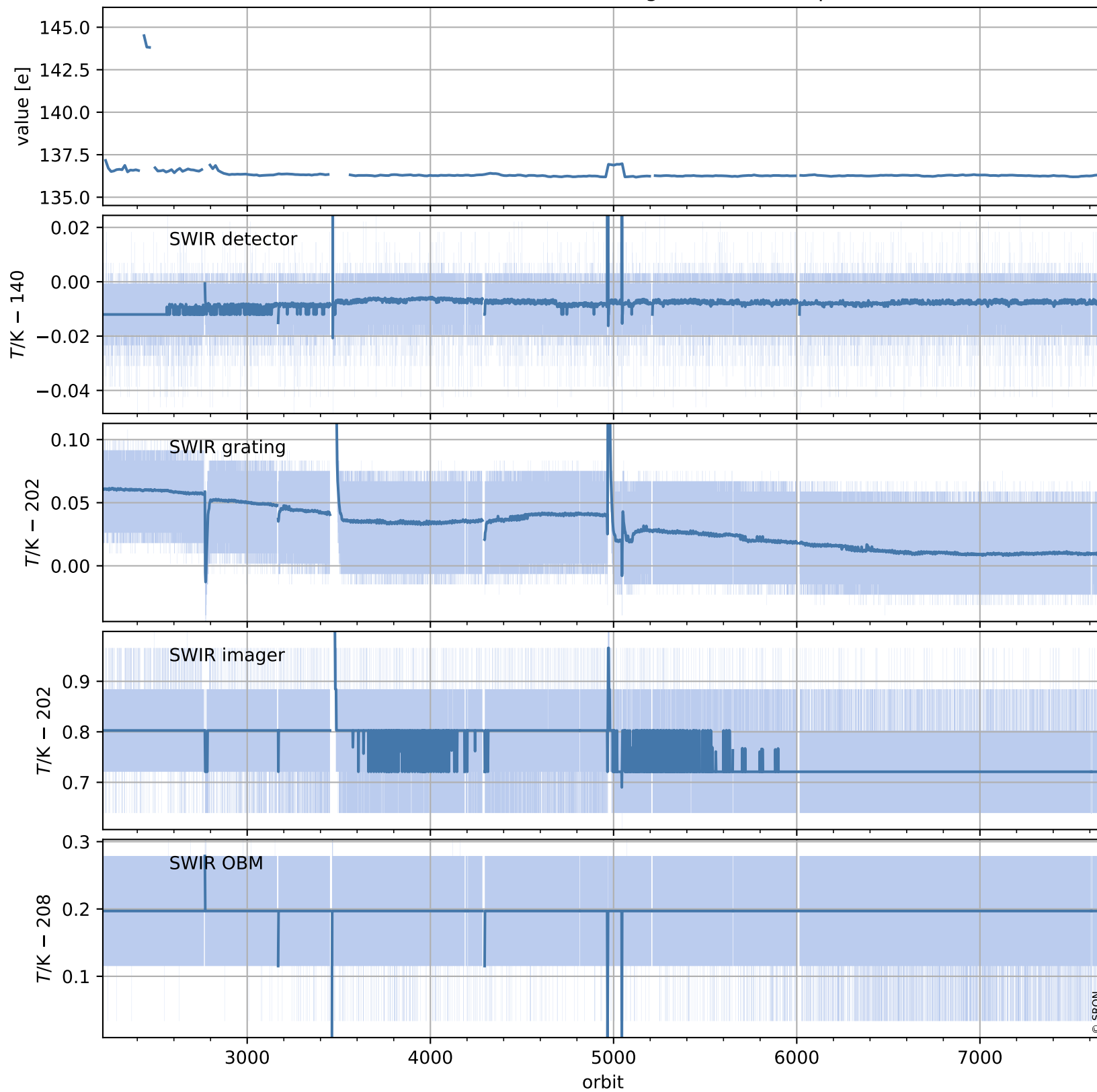
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7672]  
coverage : 2018-03-18 / 2019-04-06  
created : 2023-08-21T14:50:45

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7672]  
coverage : 2018-03-18 / 2019-04-06  
created : 2023-08-21T14:50:45

## trend of normalized read-noise & temperatures

