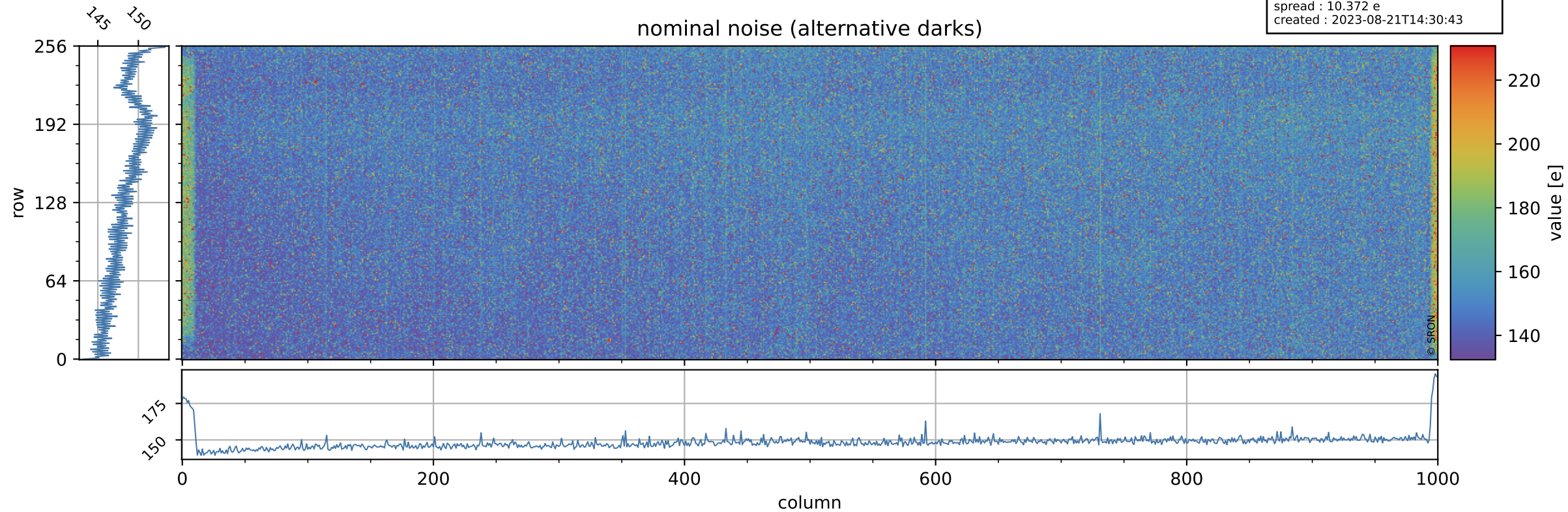


# Tropomi SWIR background noise (swir)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
n\_coad, t\_exp : 1, 1.0783  
median : 148.22 e  
spread : 10.372 e  
created : 2023-08-21T14:30:43

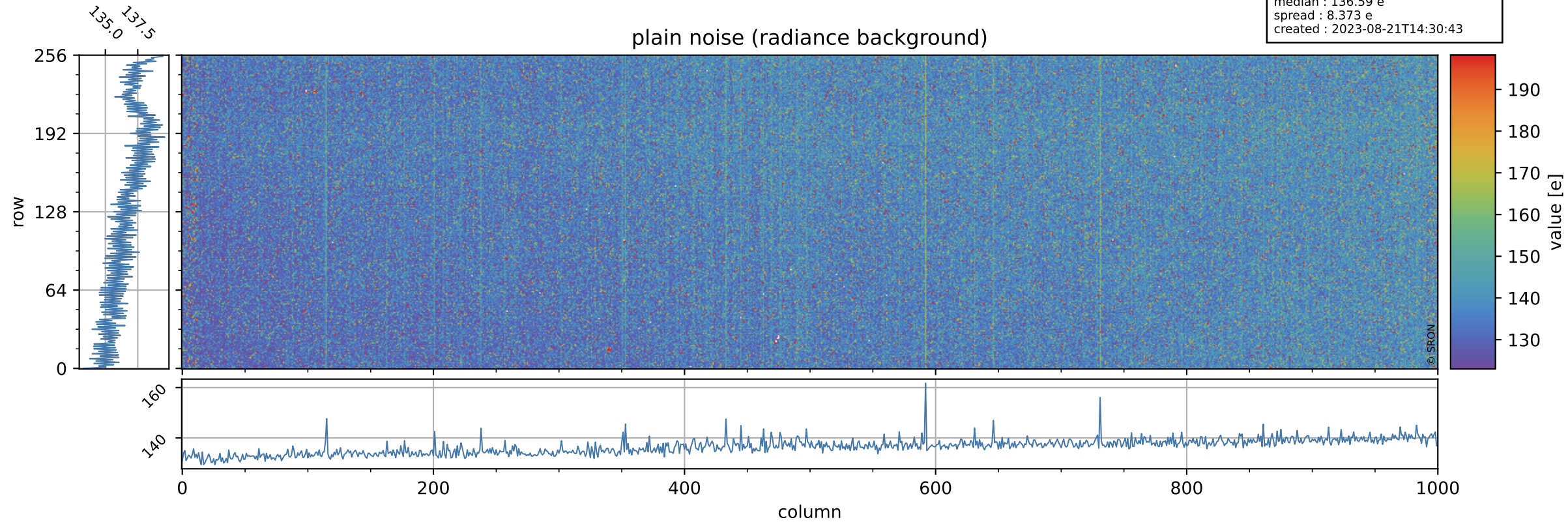
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.59 e  
spread : 8.373 e  
created : 2023-08-21T14:30:43

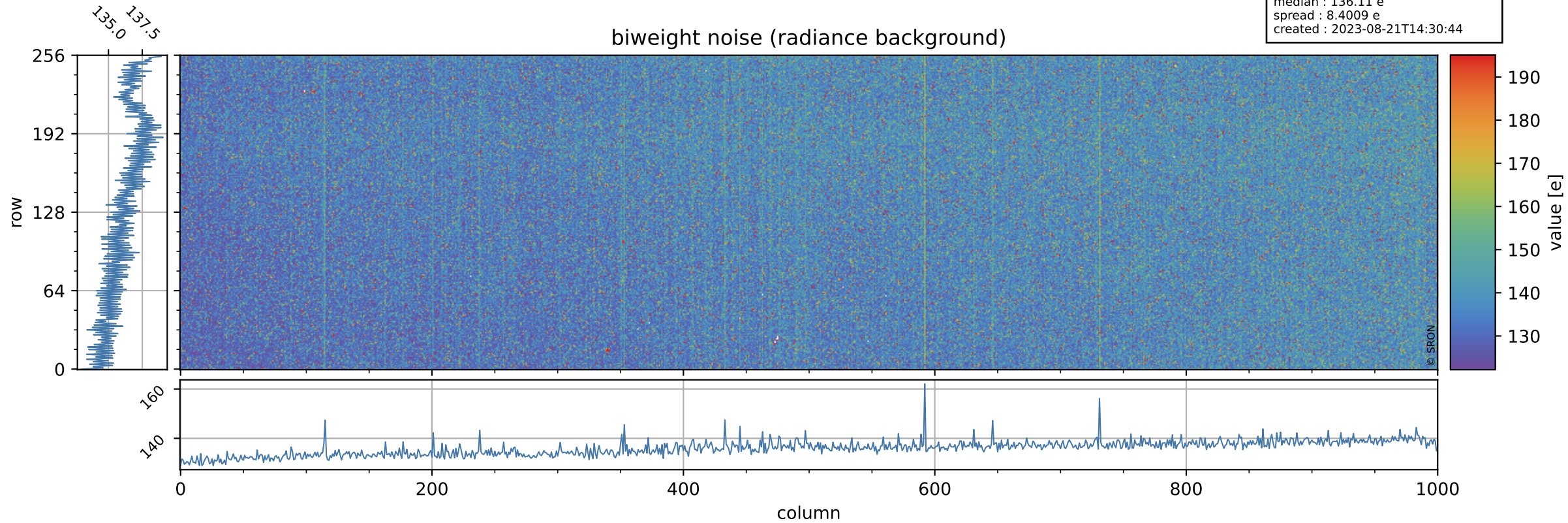
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
n\_coad, t\_exp : 2, 0.5383  
median : 136.11 e  
spread : 8.4009 e  
created : 2023-08-21T14:30:44

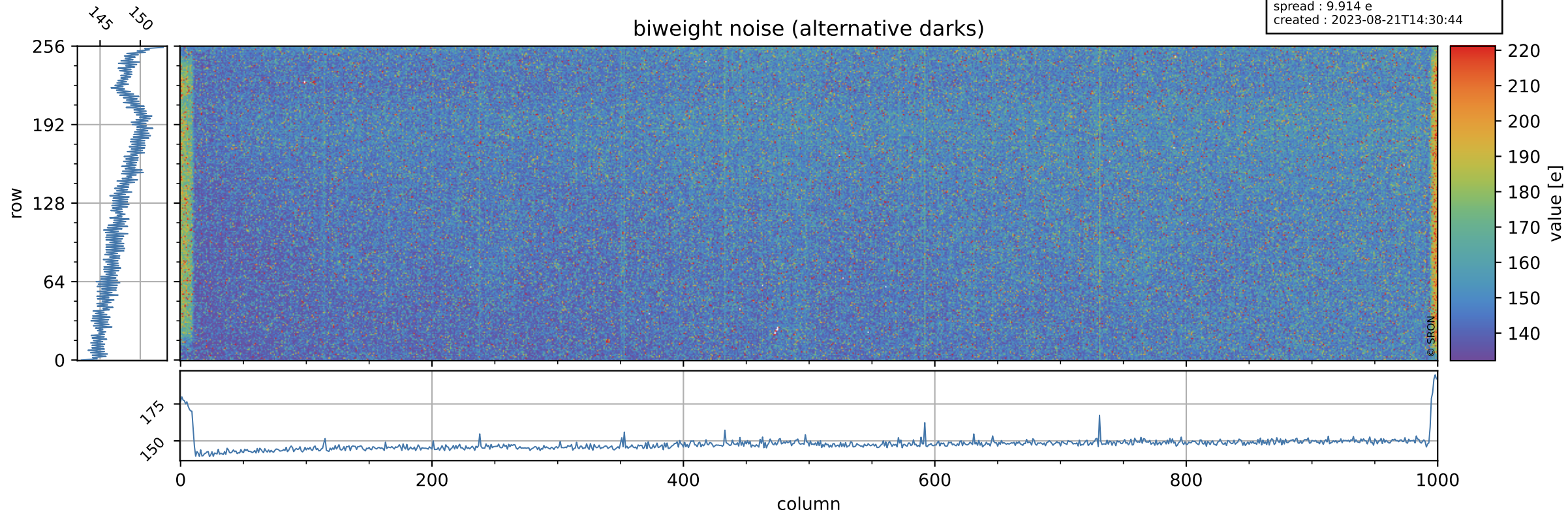
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
n\_coad, t\_exp : 1, 1.0783  
median : 147.53 e  
spread : 9.914 e  
created : 2023-08-21T14:30:44

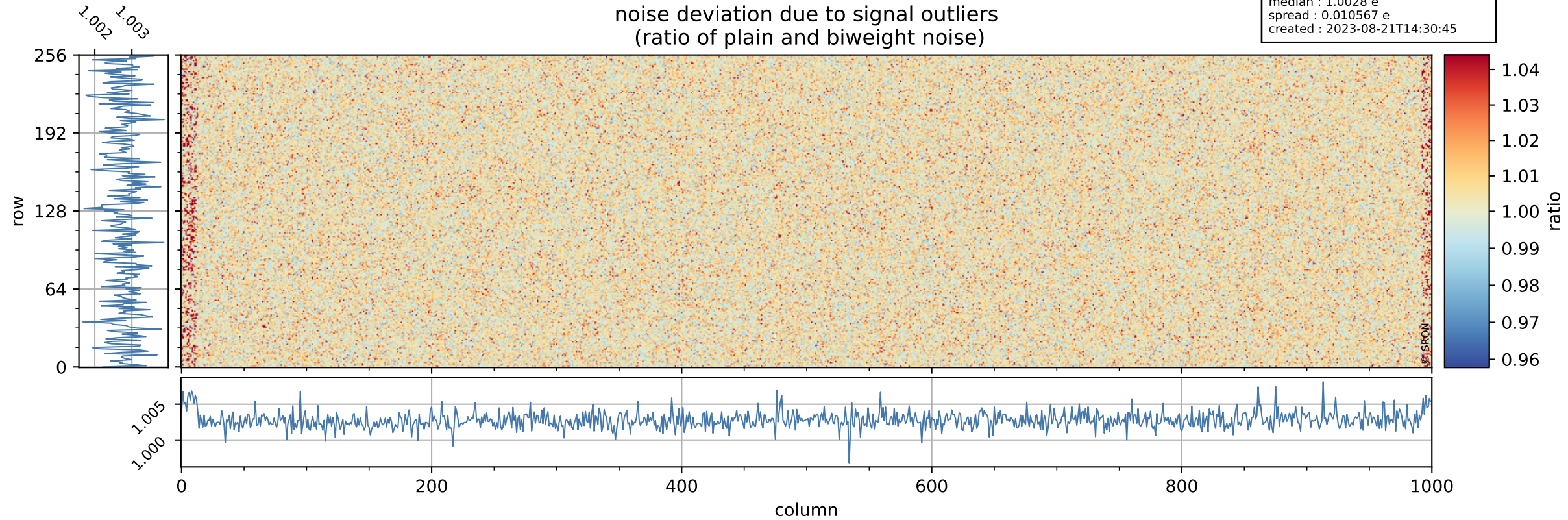
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

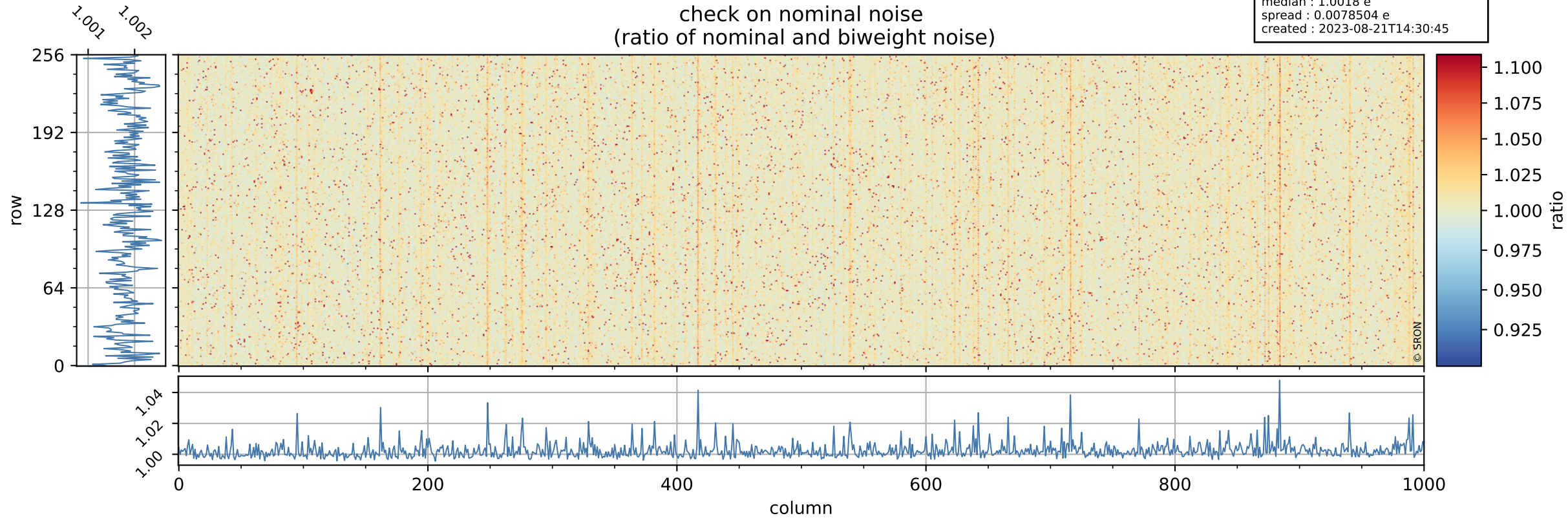
orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
median : 1.0028 e  
spread : 0.010567 e  
created : 2023-08-21T14:30:45



# Tropomi SWIR background noise (swir)

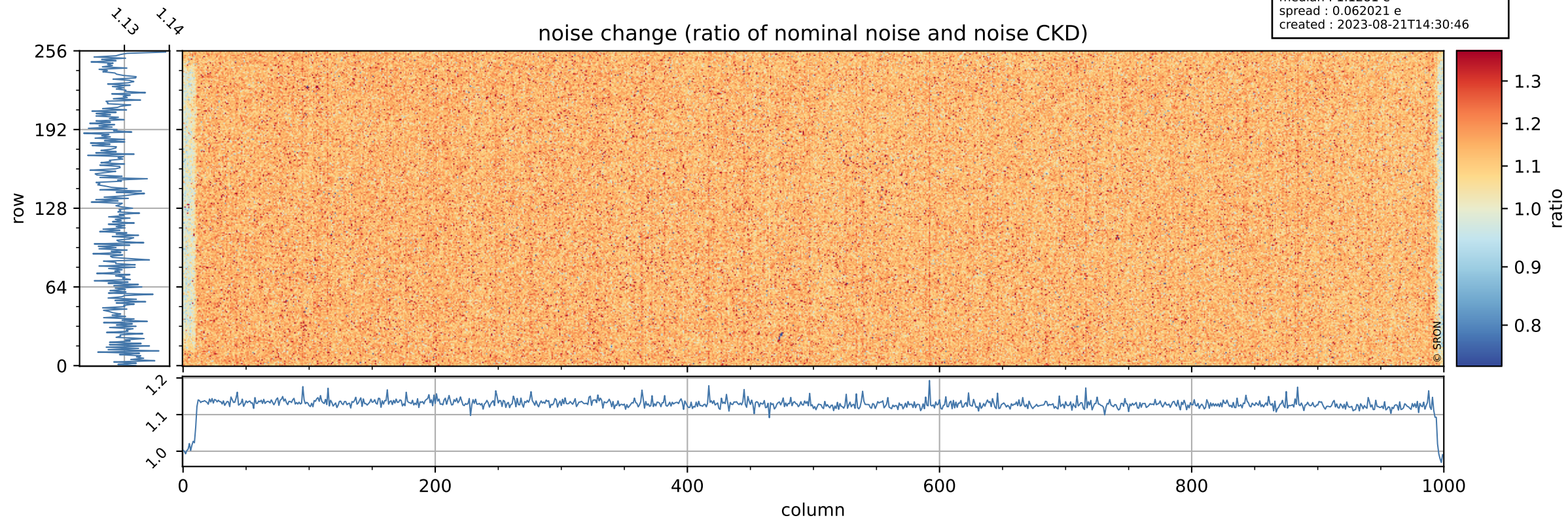
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
median : 1.0018 e  
spread : 0.0078504 e  
created : 2023-08-21T14:30:45



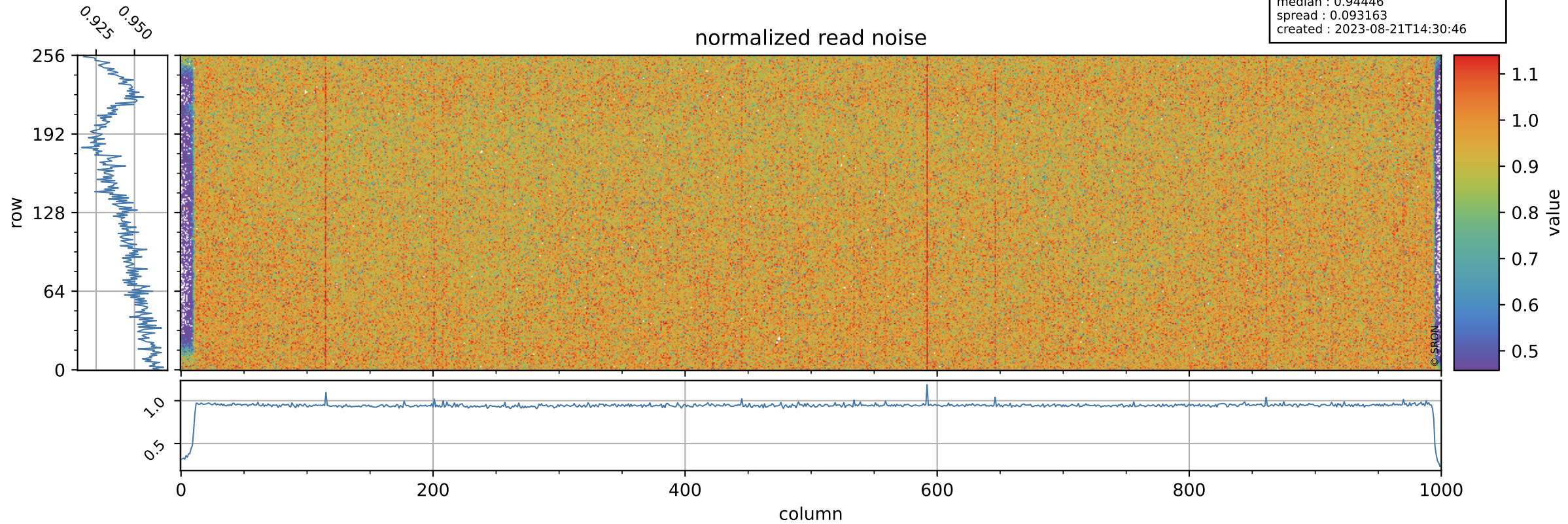
# Tropomi SWIR background noise (swir)

orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
median : 1.1281 e  
spread : 0.062021 e  
created : 2023-08-21T14:30:46



# Tropomi SWIR background noise (swir)

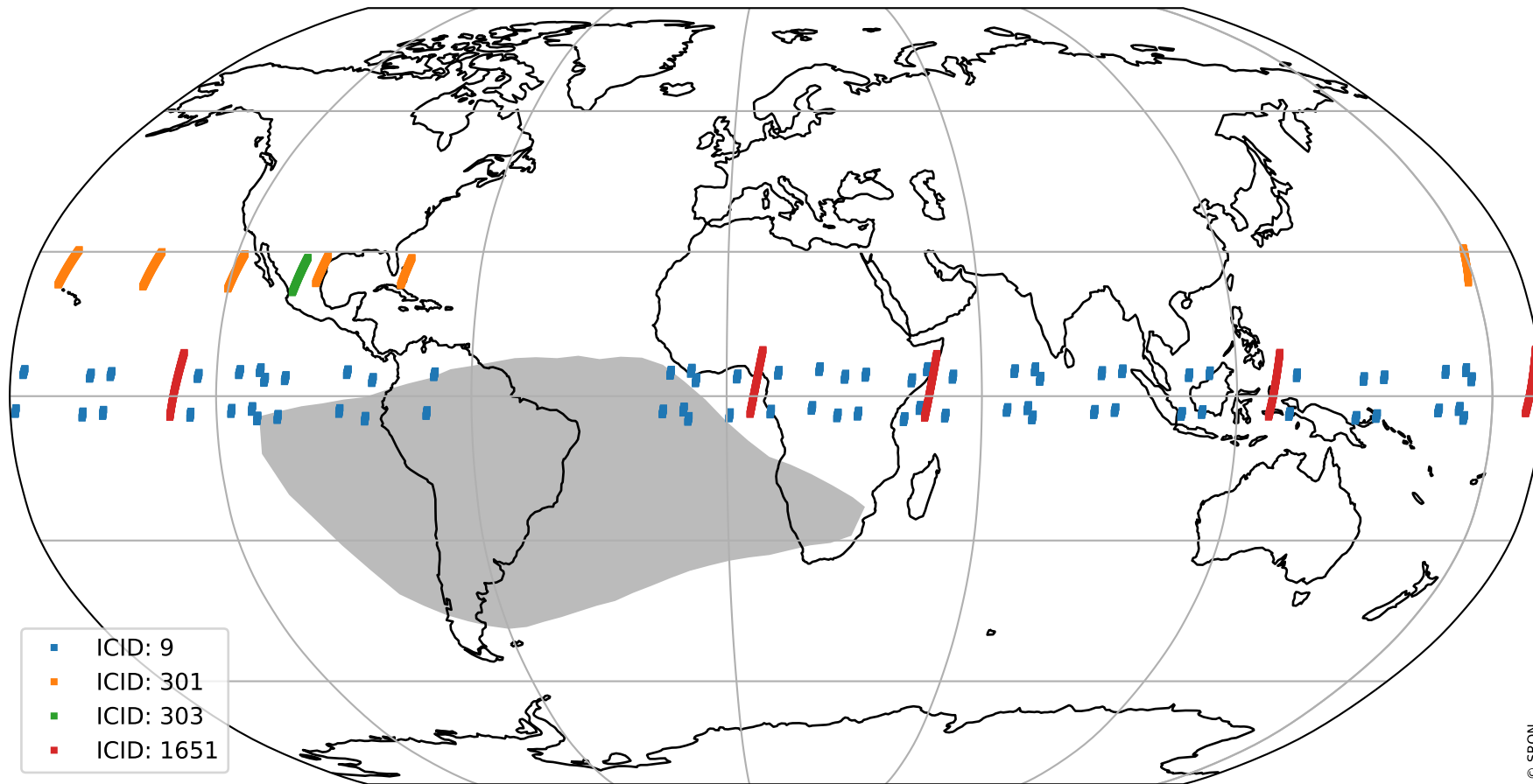
orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
median : 0.94446  
spread : 0.093163  
created : 2023-08-21T14:30:46





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

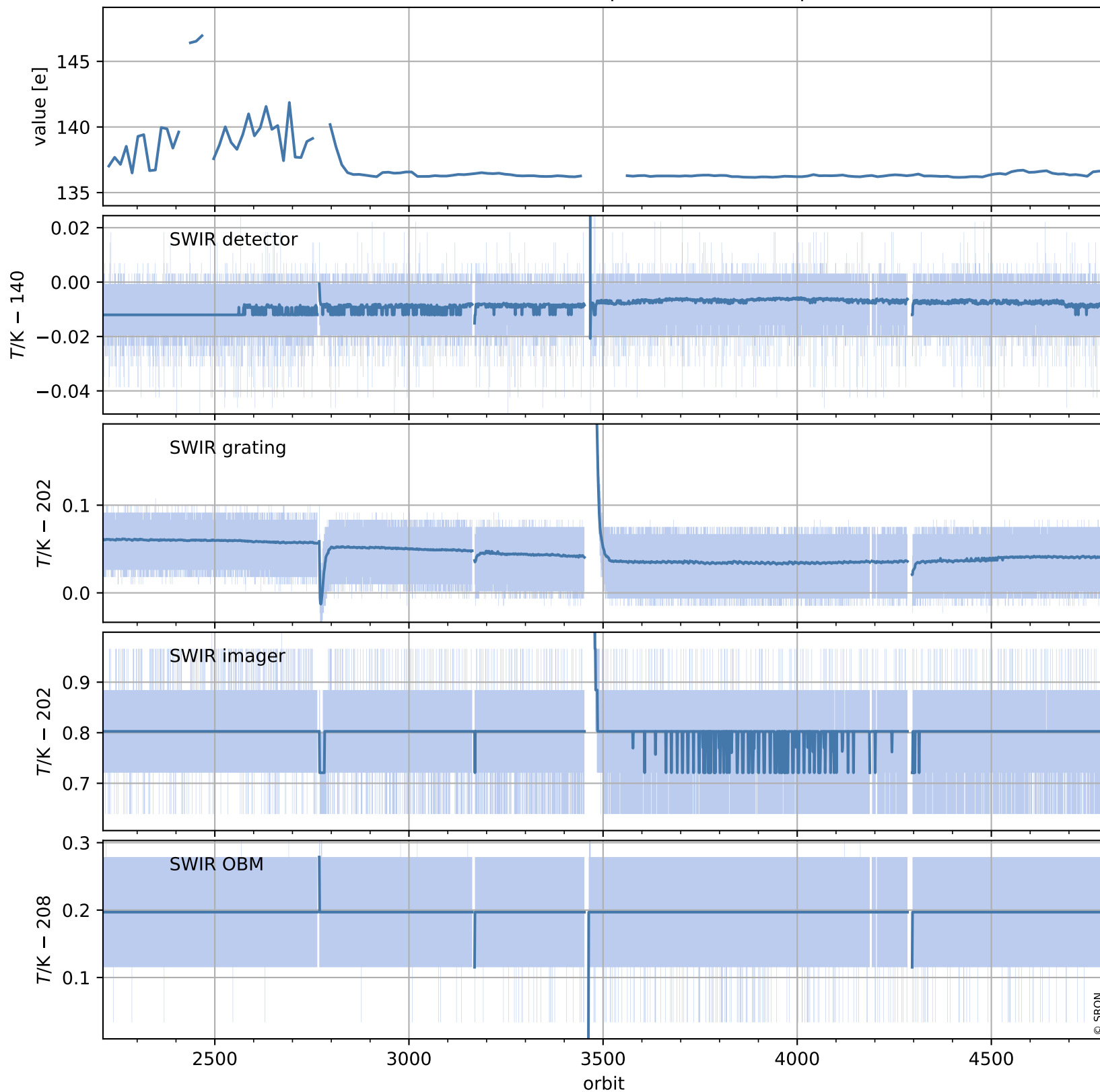
orbits : 12 in [4717, 4792]  
coverage : 2018-09-10 / 2018-09-15  
created : 2023-08-21T14:30:46



# Tropomi SWIR background noise (swir)

orbits : [2212, 4792]  
coverage : 2018-03-18 / 2018-09-15  
created : 2023-08-21T14:30:47

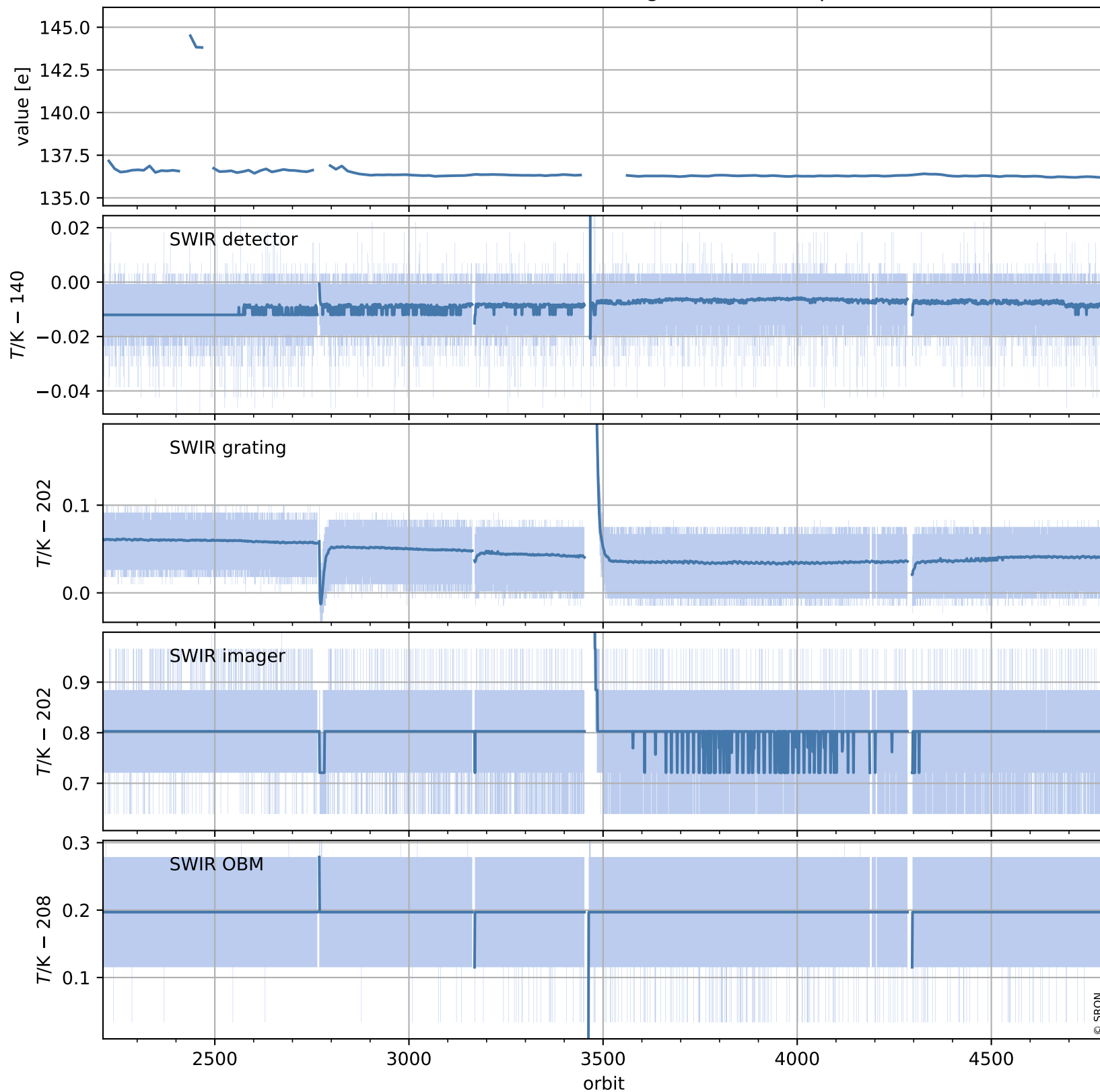
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4792]  
coverage : 2018-03-18 / 2018-09-15  
created : 2023-08-21T14:30:47

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4792]  
coverage : 2018-03-18 / 2018-09-15  
created : 2023-08-21T14:30:48

## trend of normalized read-noise & temperatures

