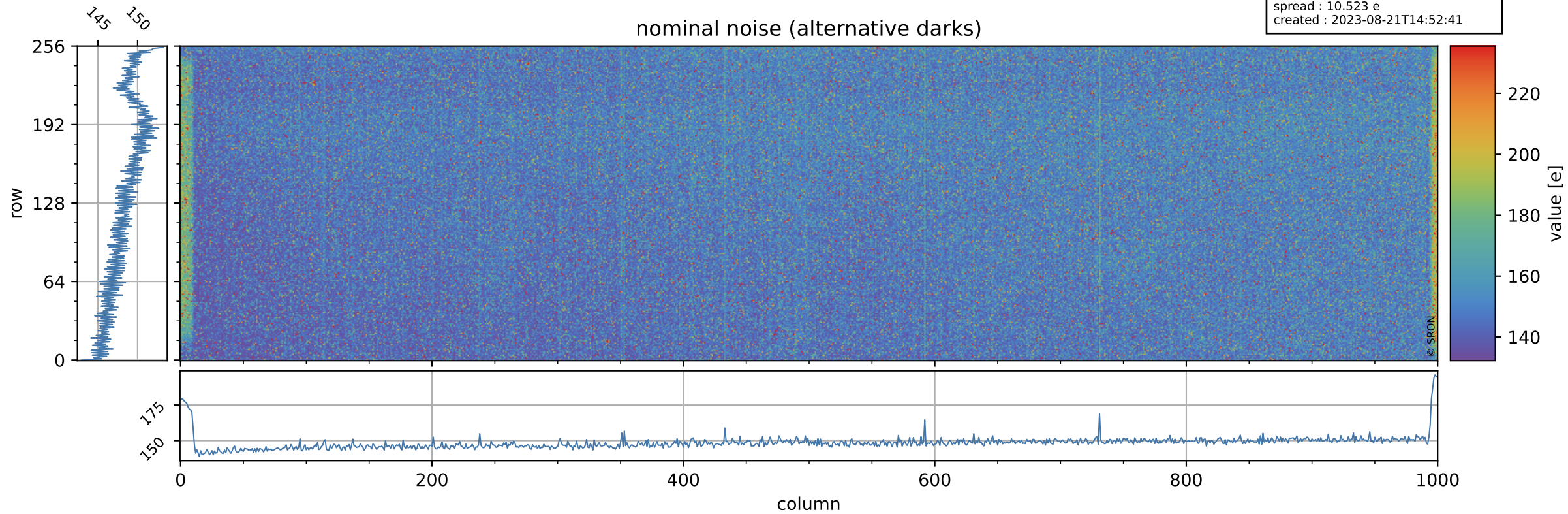


# Tropomi SWIR background noise (swir)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
n\_coad, t\_exp : 1, 1.0783  
median : 148.32 e  
spread : 10.523 e  
created : 2023-08-21T14:52:41

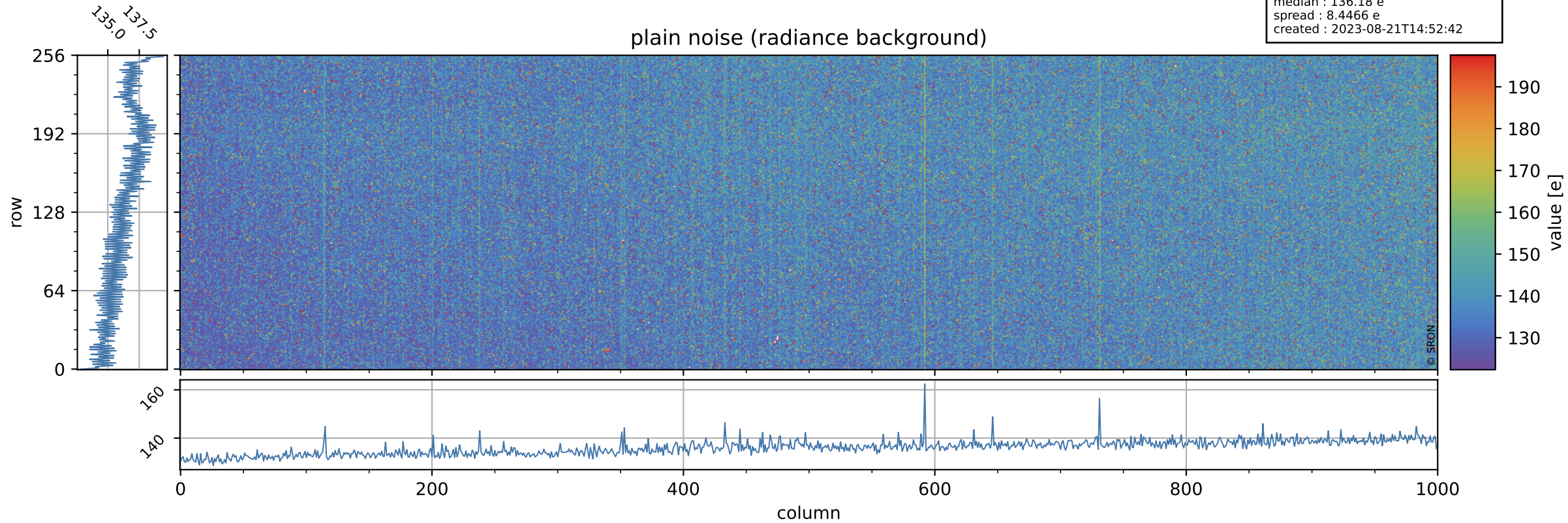
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.18 e  
spread : 8.4466 e  
created : 2023-08-21T14:52:42

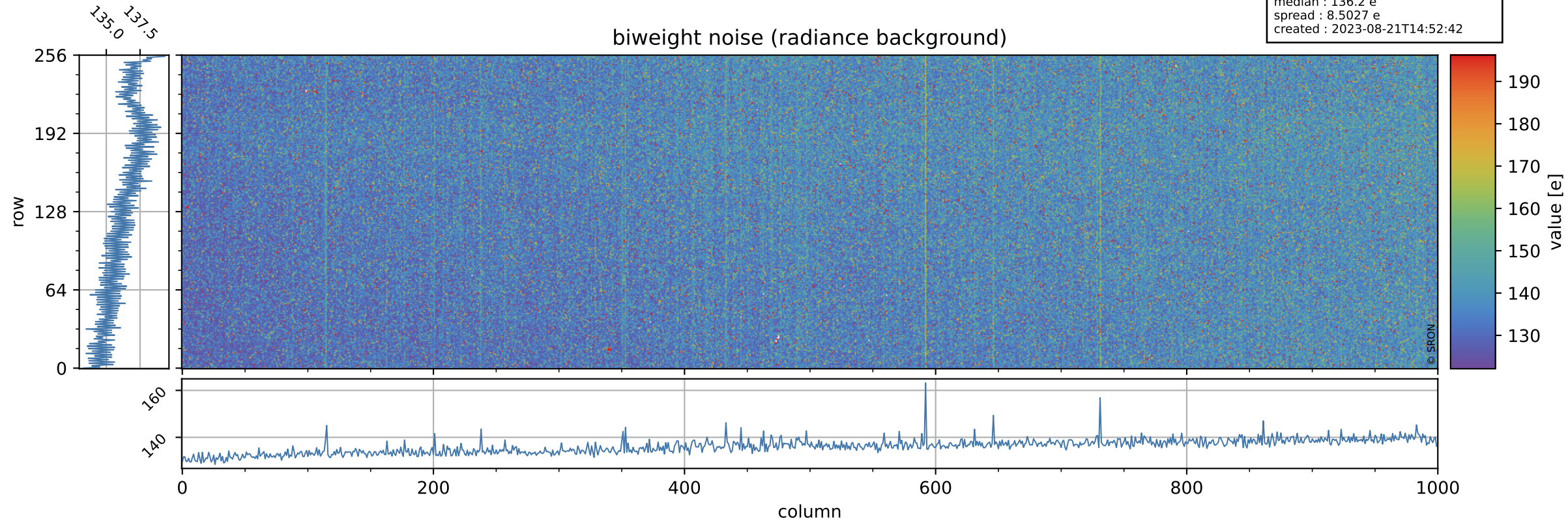
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.5027 e  
created : 2023-08-21T14:52:42

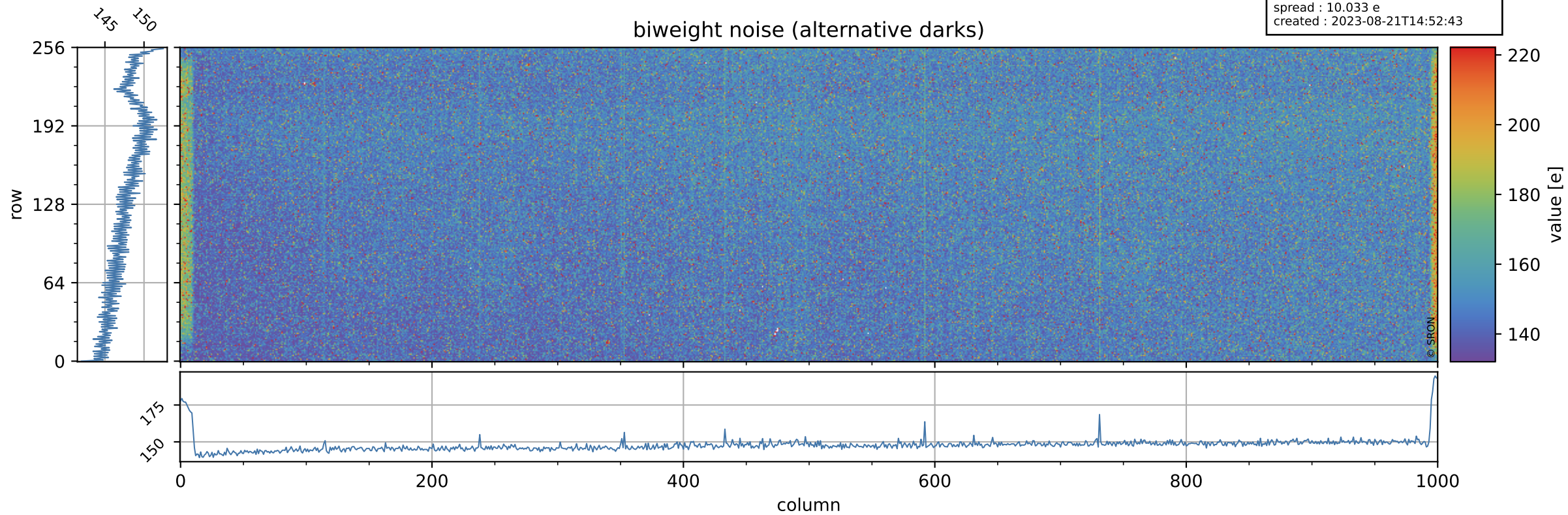
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 10.033 e  
created : 2023-08-21T14:52:43

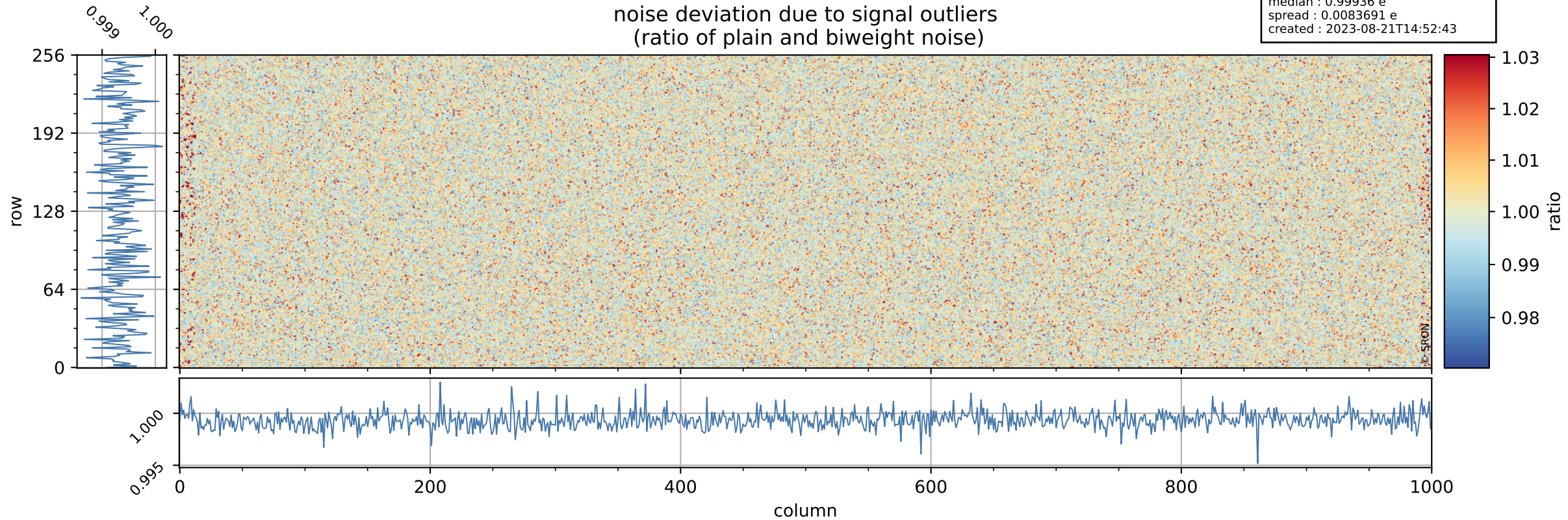
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

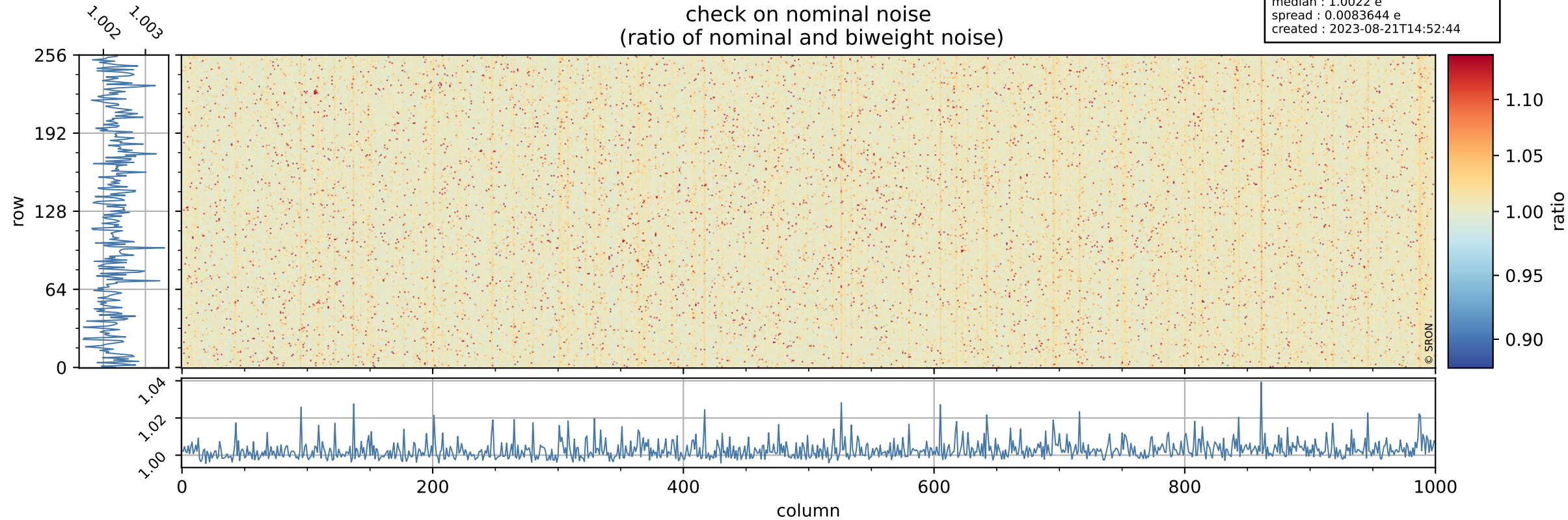
orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
median : 0.99936 e  
spread : 0.0083691 e  
created : 2023-08-21T14:52:43



# Tropomi SWIR background noise (swir)

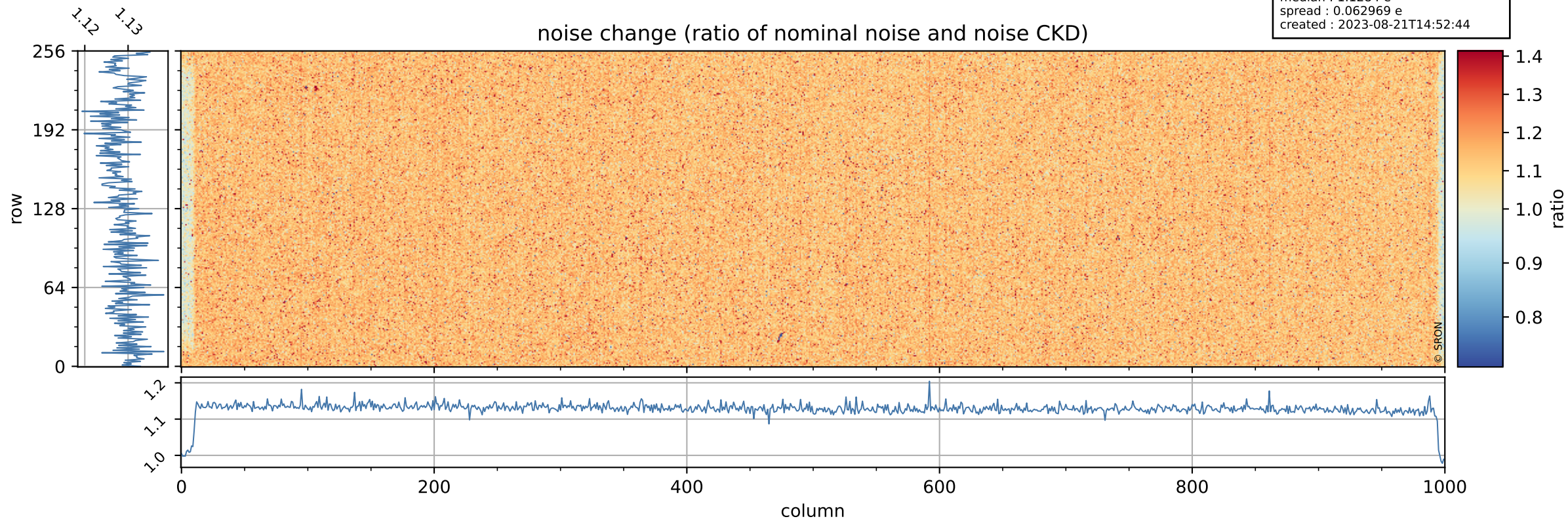
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
median : 1.0022 e  
spread : 0.0083644 e  
created : 2023-08-21T14:52:44



# Tropomi SWIR background noise (swir)

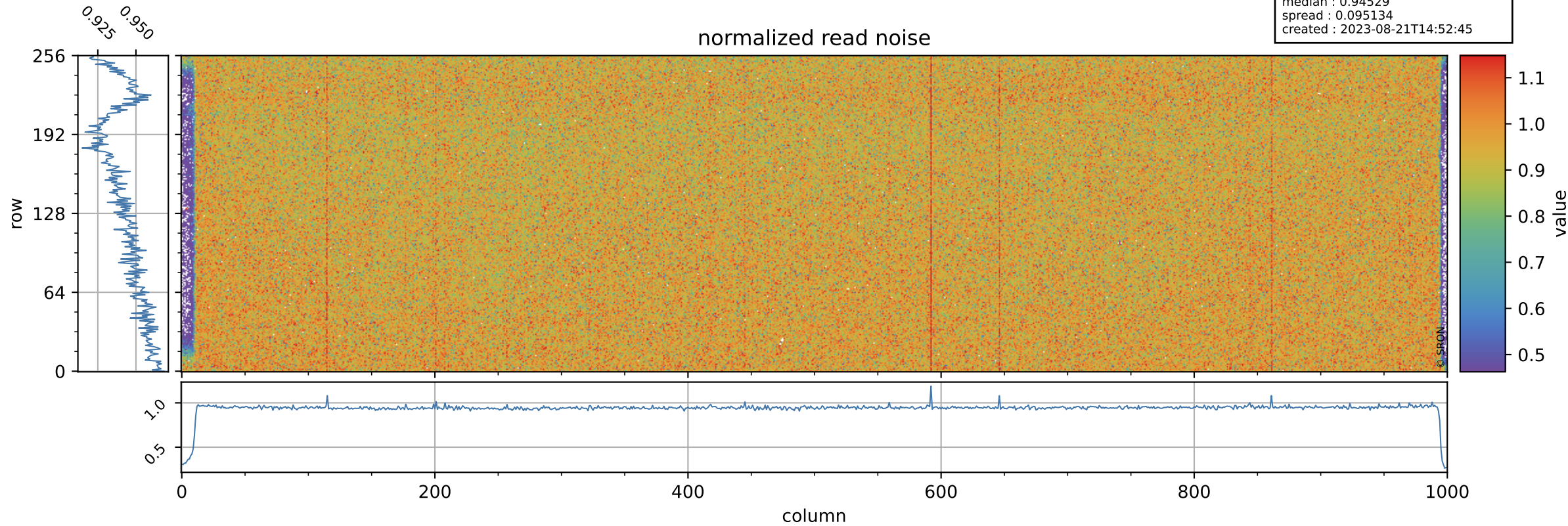
orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
median : 1.1284 e  
spread : 0.062969 e  
created : 2023-08-21T14:52:44



# Tropomi SWIR background noise (swir)

orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
median : 0.94529  
spread : 0.095134  
created : 2023-08-21T14:52:45

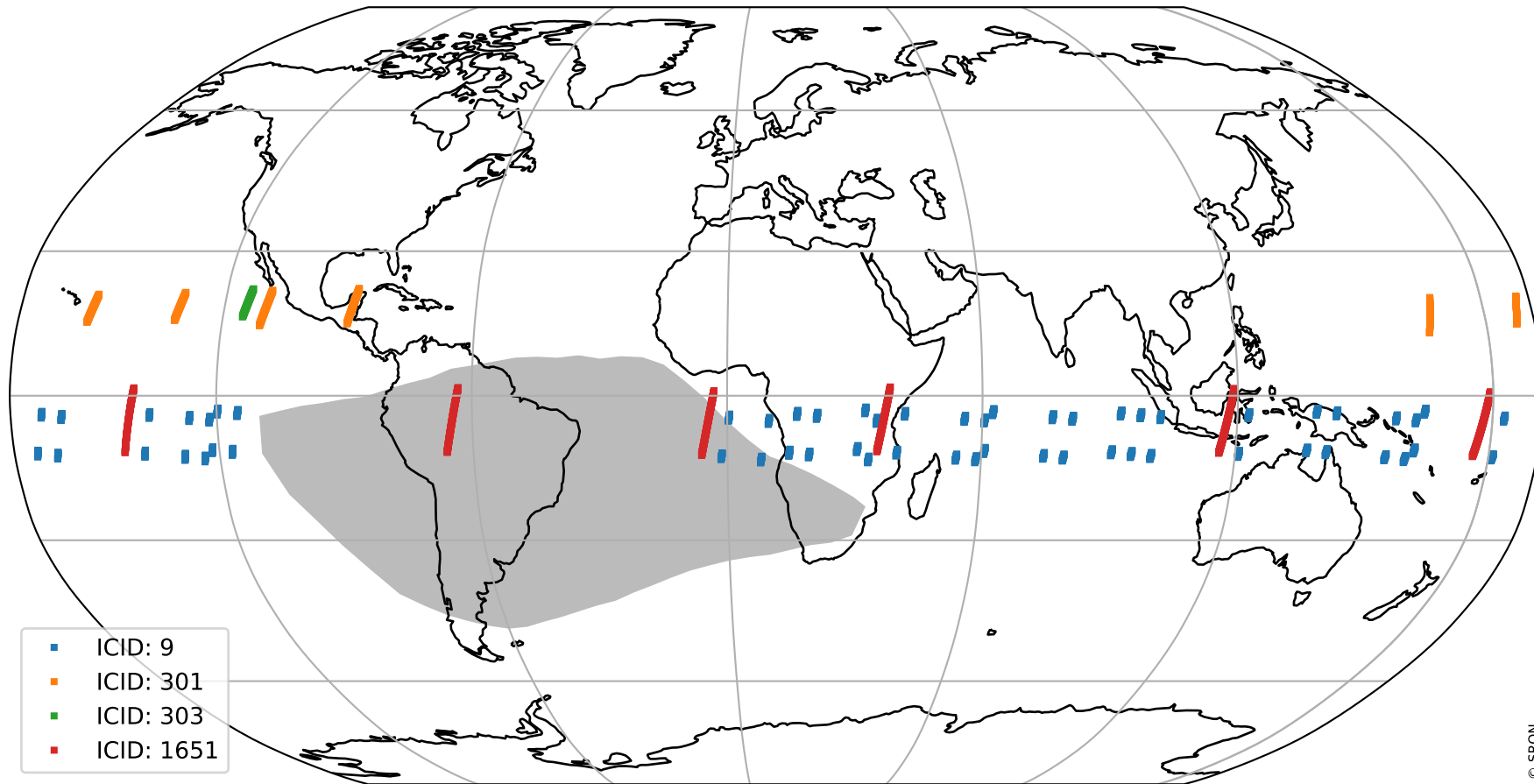
## normalized read noise





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

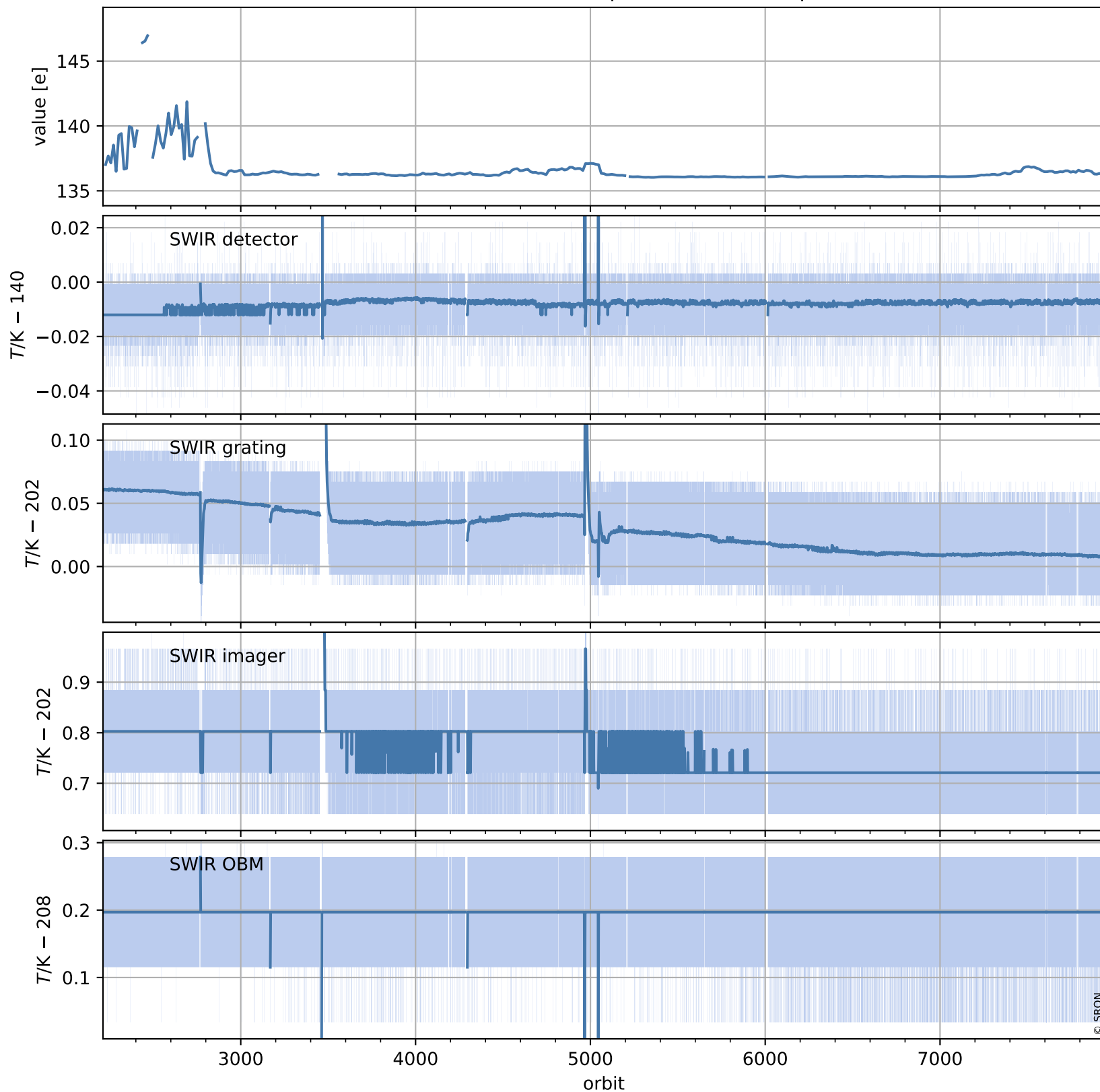
orbits : 13 in [7867, 7942]  
coverage : 2019-04-20 / 2019-04-25  
created : 2023-08-21T14:52:45



# Tropomi SWIR background noise (swir)

orbits : [2212, 7942]  
coverage : 2018-03-18 / 2019-04-25  
created : 2023-08-21T14:52:45

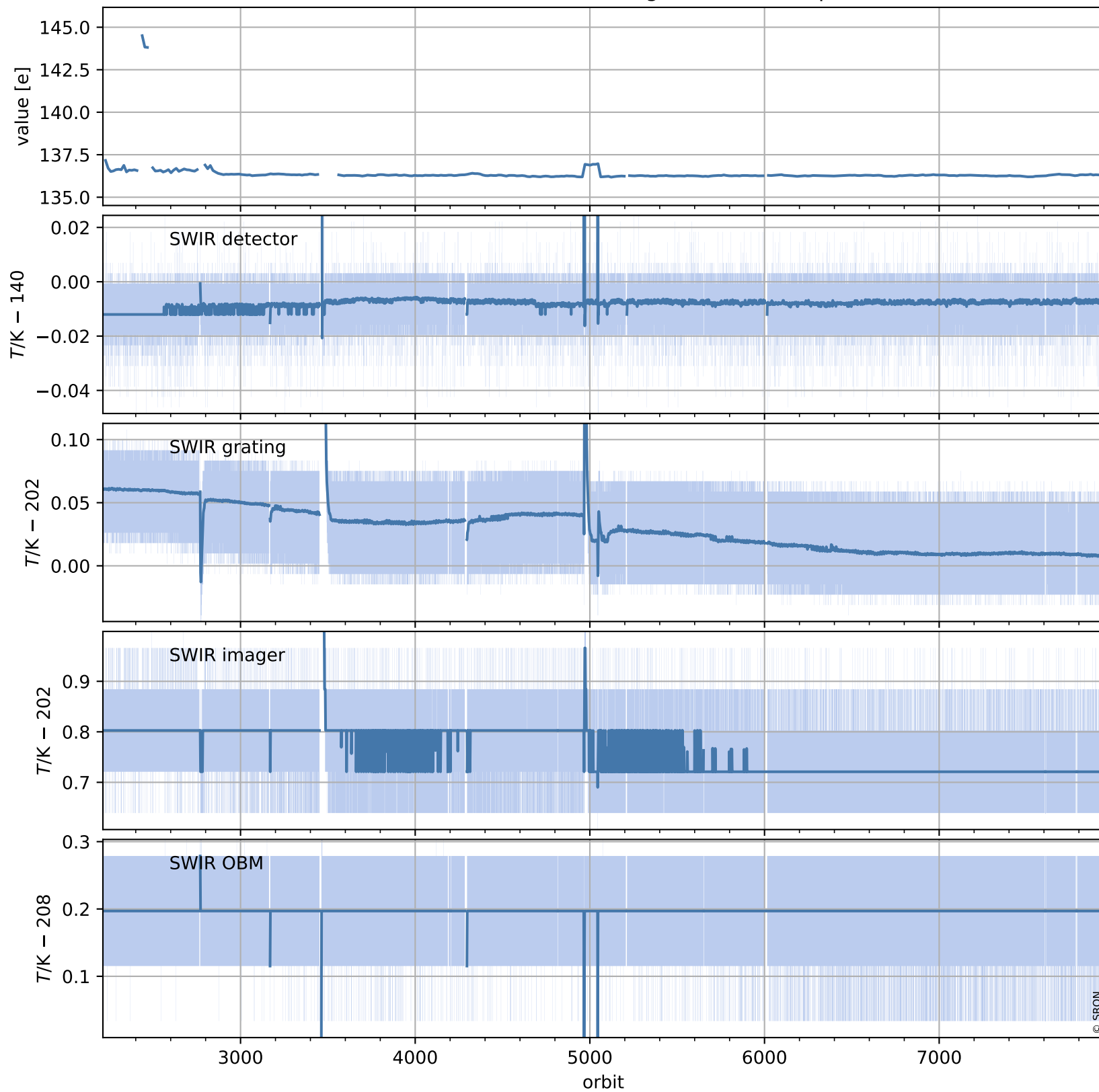
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7942]  
coverage : 2018-03-18 / 2019-04-25  
created : 2023-08-21T14:52:46

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7942]  
coverage : 2018-03-18 / 2019-04-25  
created : 2023-08-21T14:52:47

## trend of normalized read-noise & temperatures

