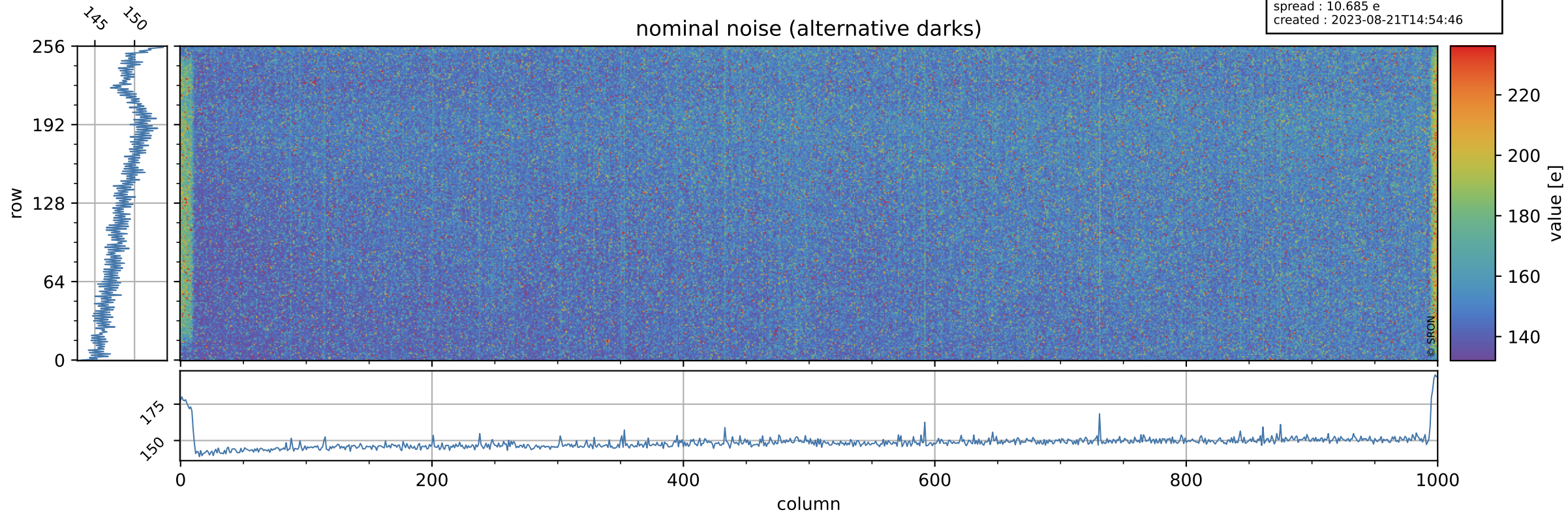


# Tropomi SWIR background noise (swir)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
n\_coad, t\_exp : 1, 1.0783  
median : 148.39 e  
spread : 10.685 e  
created : 2023-08-21T14:54:46

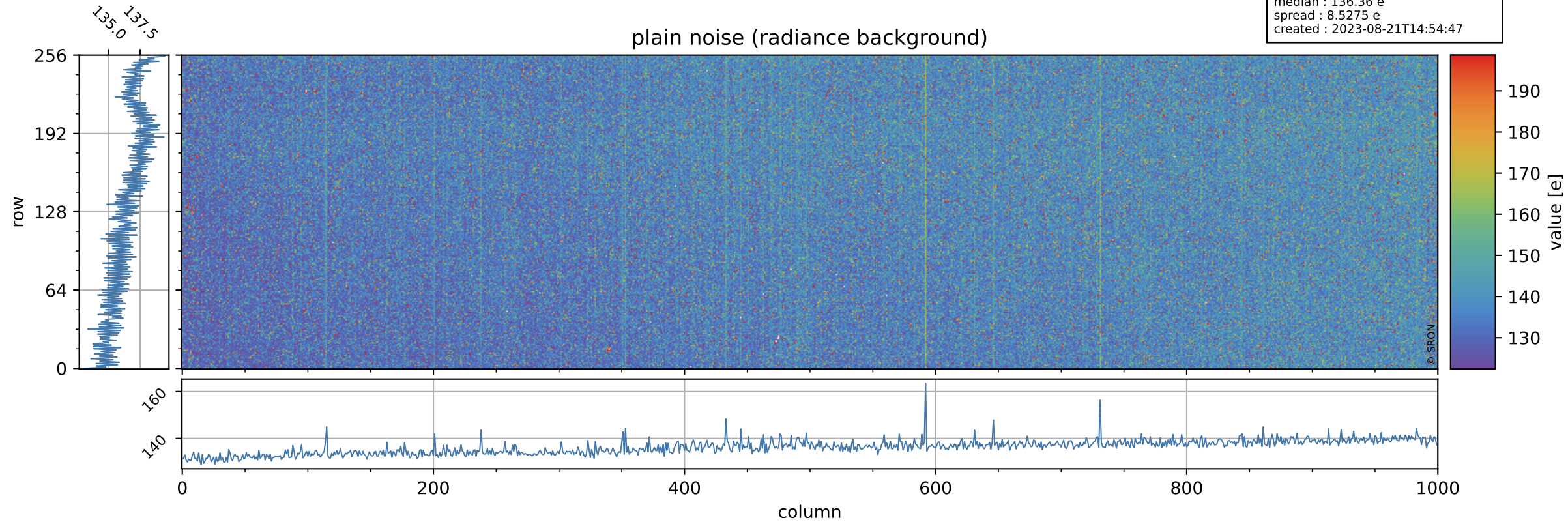
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.36 e  
spread : 8.5275 e  
created : 2023-08-21T14:54:47

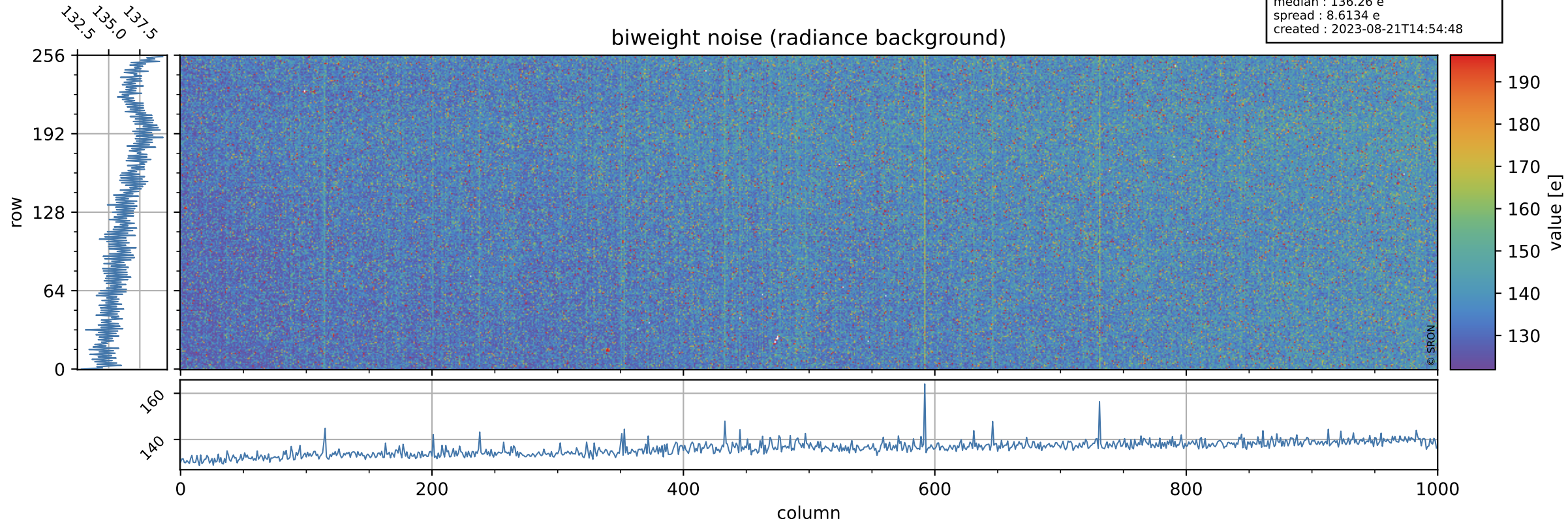
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.6134 e  
created : 2023-08-21T14:54:48

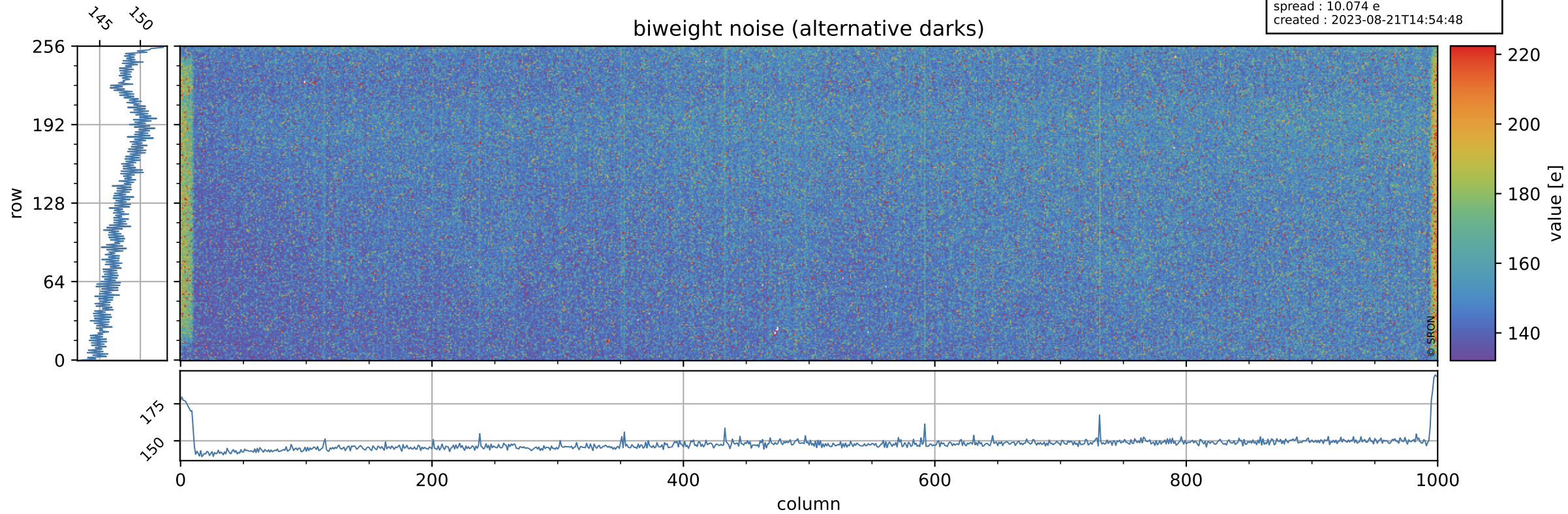
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
n\_coad, t\_exp : 1, 1.0783  
median : 147.61 e  
spread : 10.074 e  
created : 2023-08-21T14:54:48

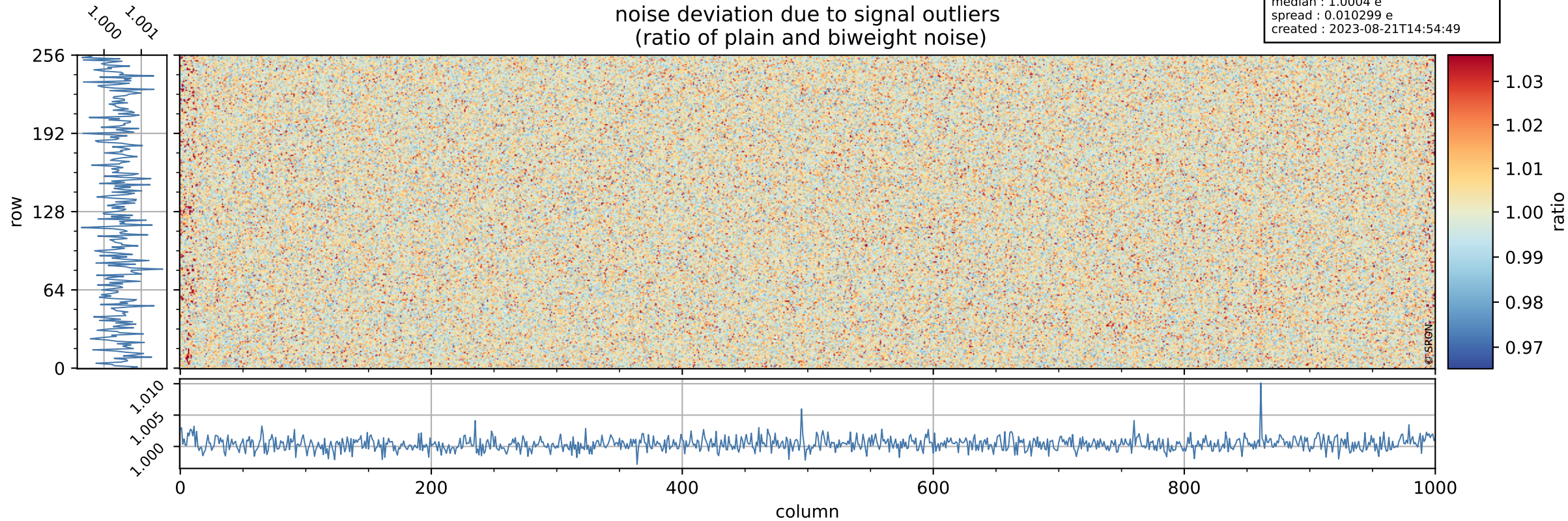
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

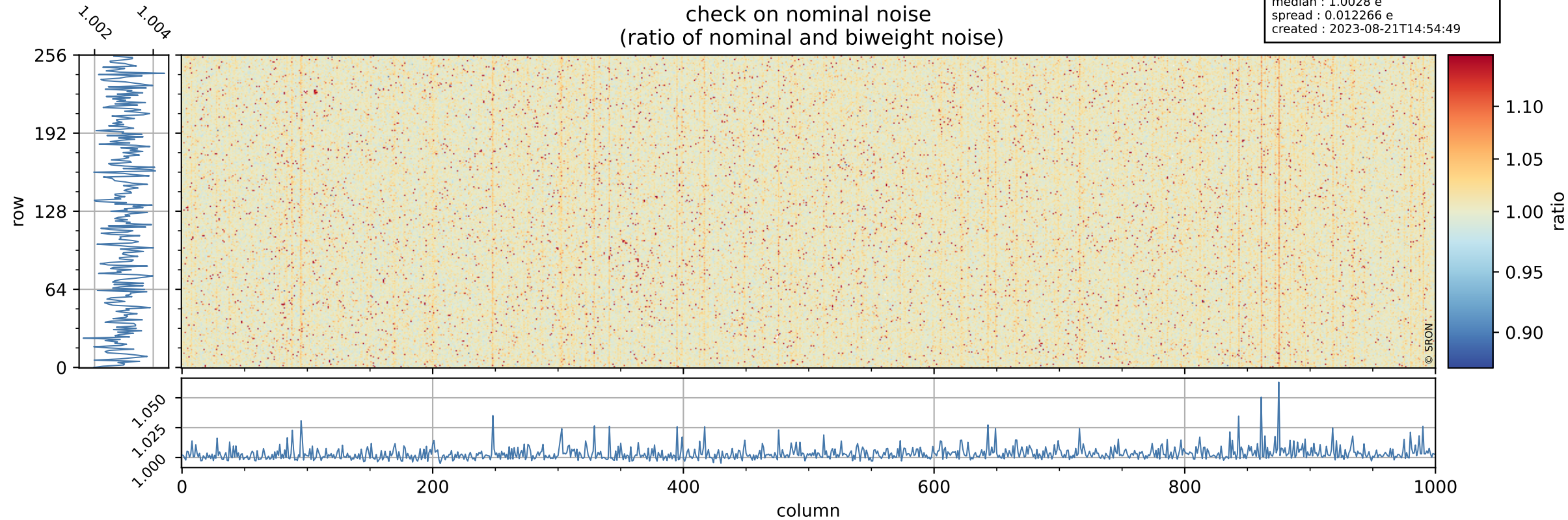
orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
median : 1.0004 e  
spread : 0.010299 e  
created : 2023-08-21T14:54:49



# Tropomi SWIR background noise (swir)

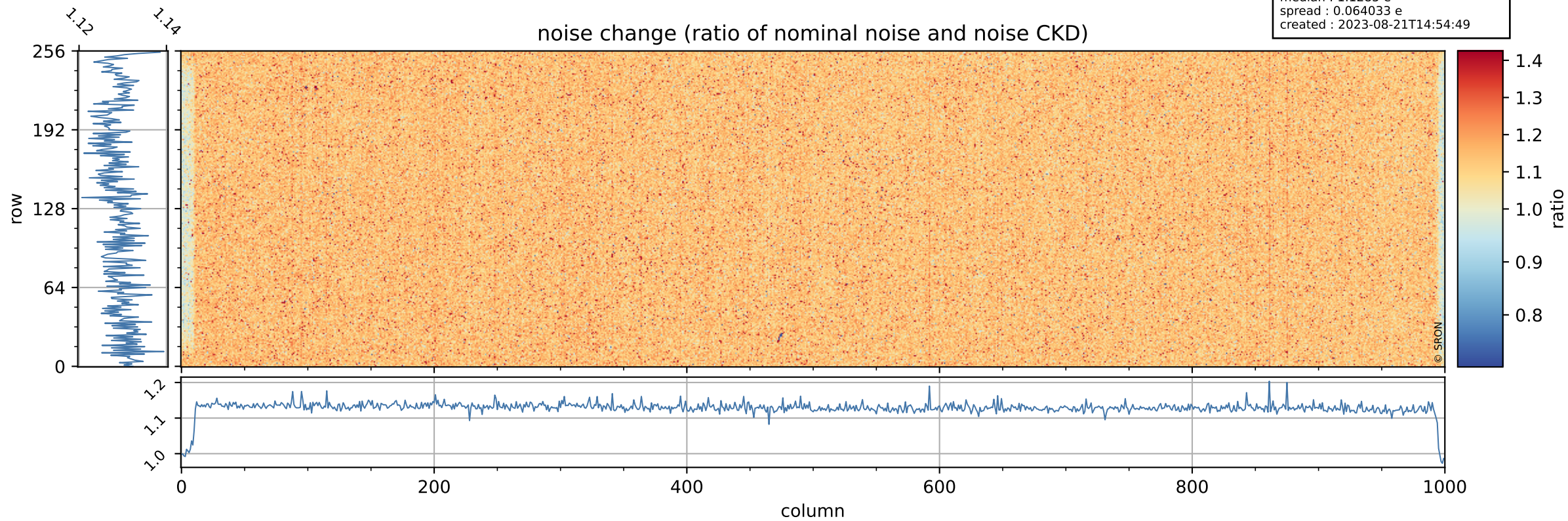
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
median : 1.0028 e  
spread : 0.012266 e  
created : 2023-08-21T14:54:49



# Tropomi SWIR background noise (swir)

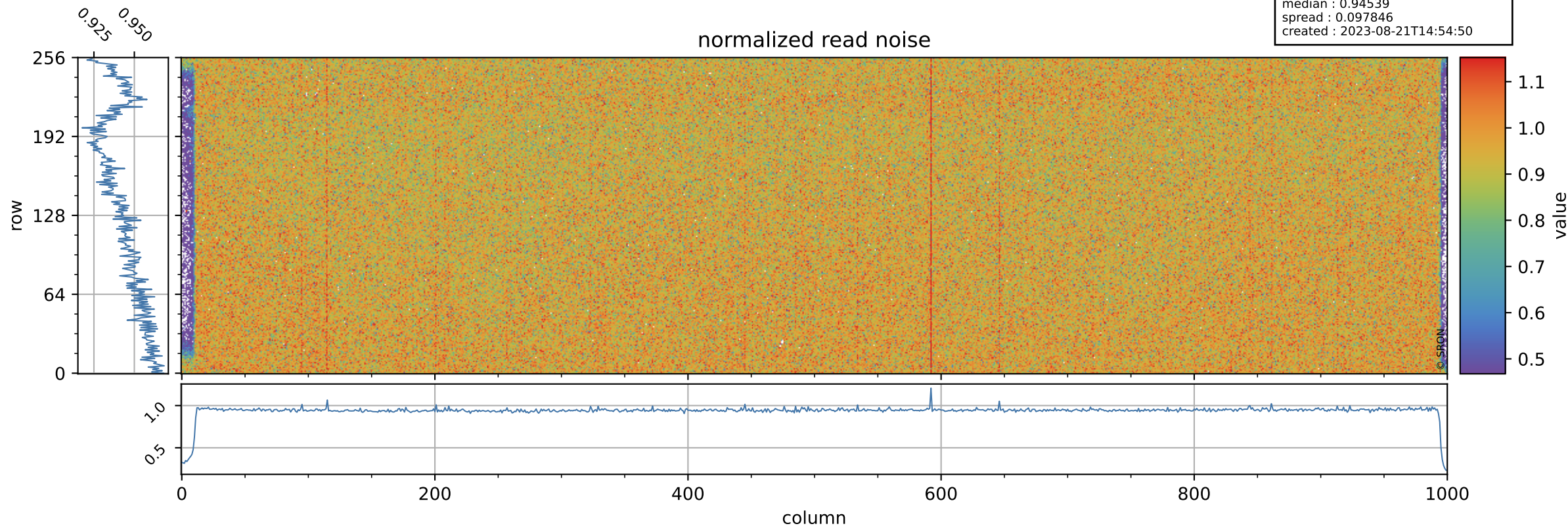
orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
median : 1.1285 e  
spread : 0.064033 e  
created : 2023-08-21T14:54:49



# Tropomi SWIR background noise (swir)

orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
median : 0.94539  
spread : 0.097846  
created : 2023-08-21T14:54:50

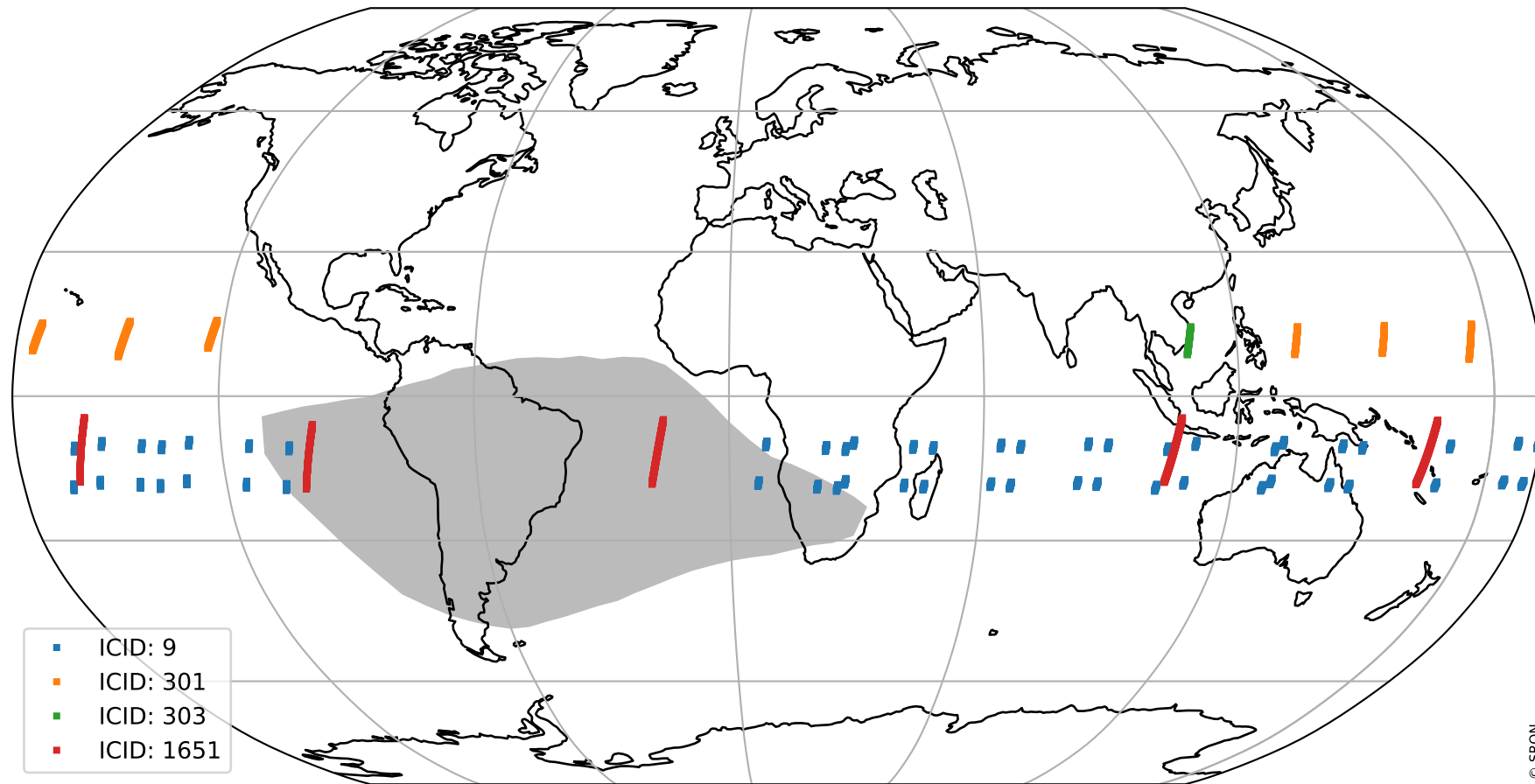
## normalized read noise





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

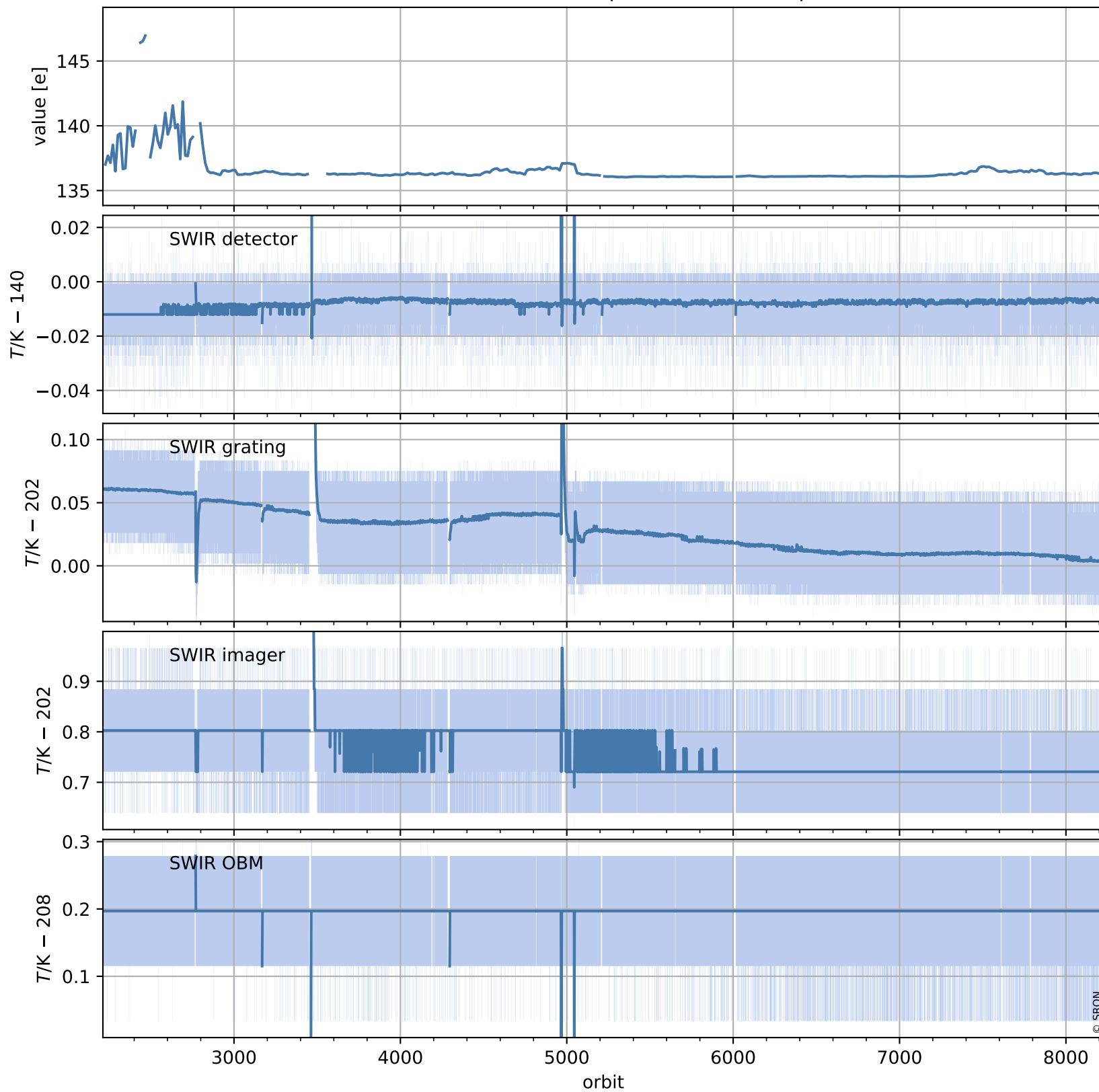
orbits : 12 in [8137, 8227]  
coverage : 2019-05-10 / 2019-05-16  
created : 2023-08-21T14:54:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 8227]  
coverage : 2018-03-18 / 2019-05-16  
created : 2023-08-21T14:54:51

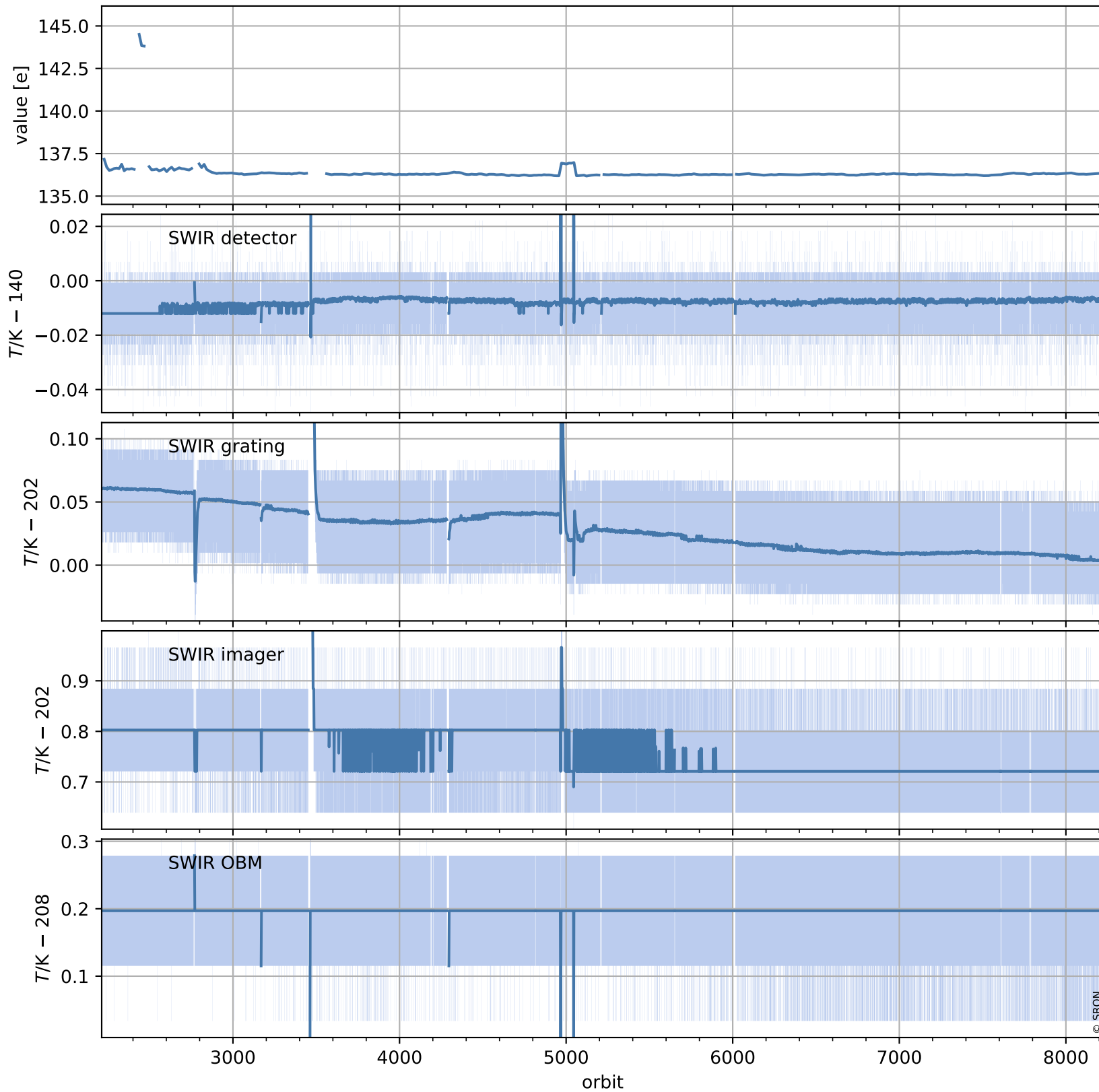
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8227]  
coverage : 2018-03-18 / 2019-05-16  
created : 2023-08-21T14:54:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8227]  
coverage : 2018-03-18 / 2019-05-16  
created : 2023-08-21T14:54:53

## trend of normalized read-noise & temperatures

