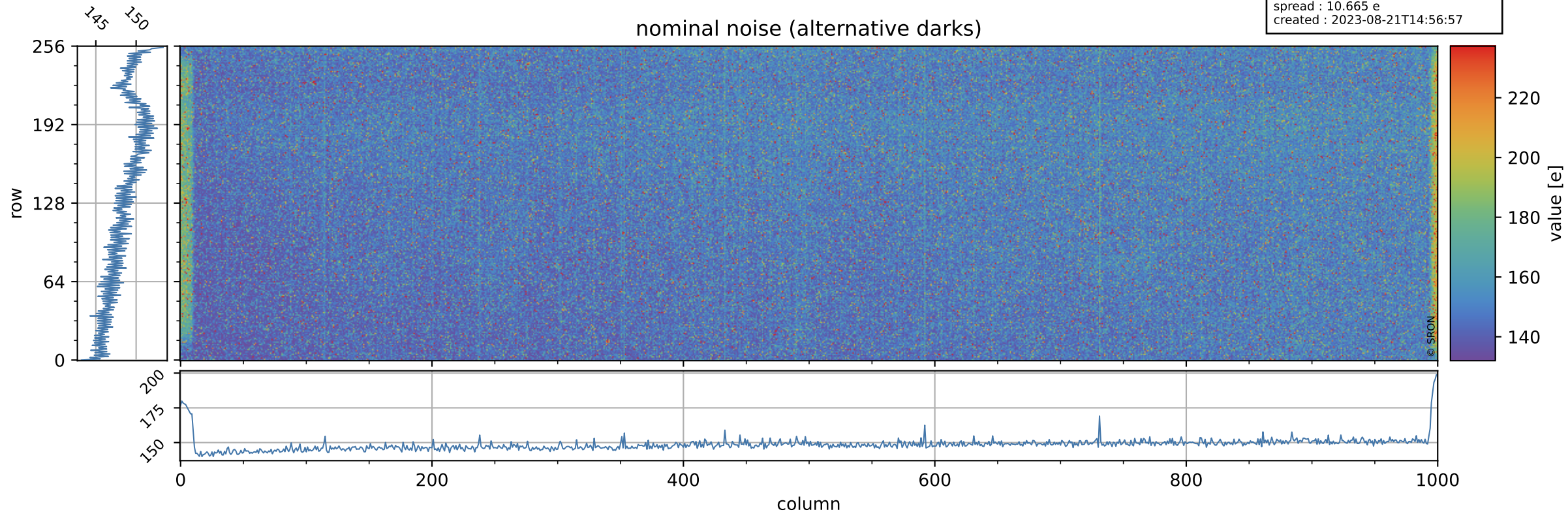


# Tropomi SWIR background noise (swir)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.43 e  
spread : 10.665 e  
created : 2023-08-21T14:56:57

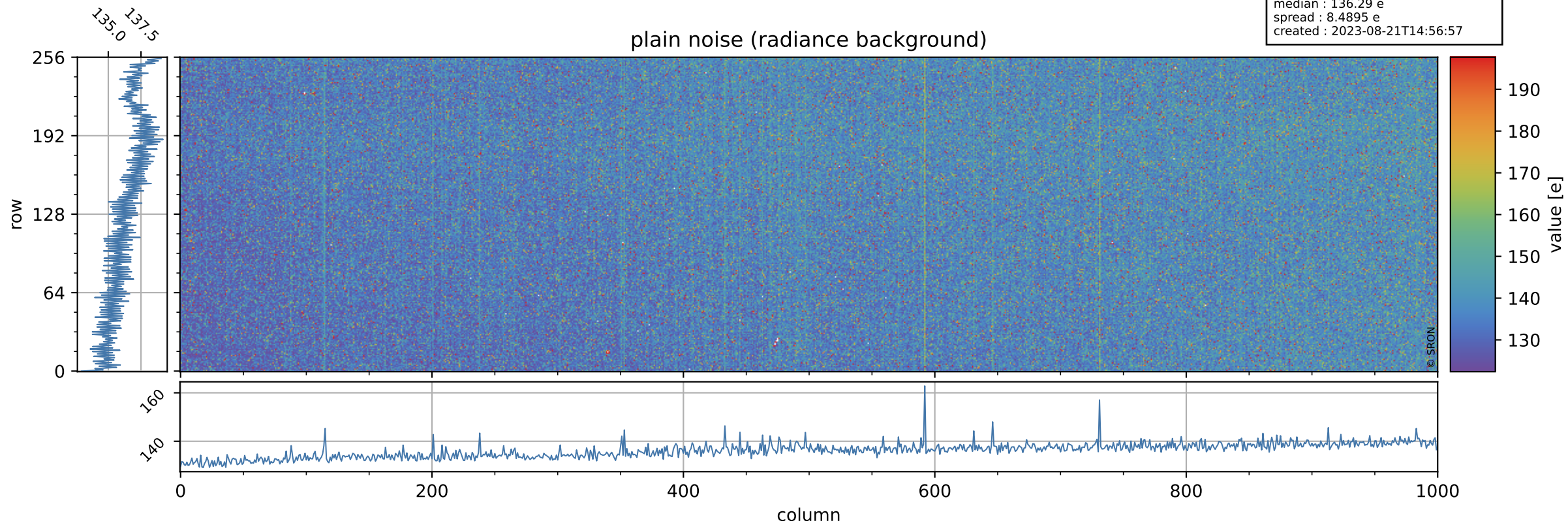
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.29 e  
spread : 8.4895 e  
created : 2023-08-21T14:56:57

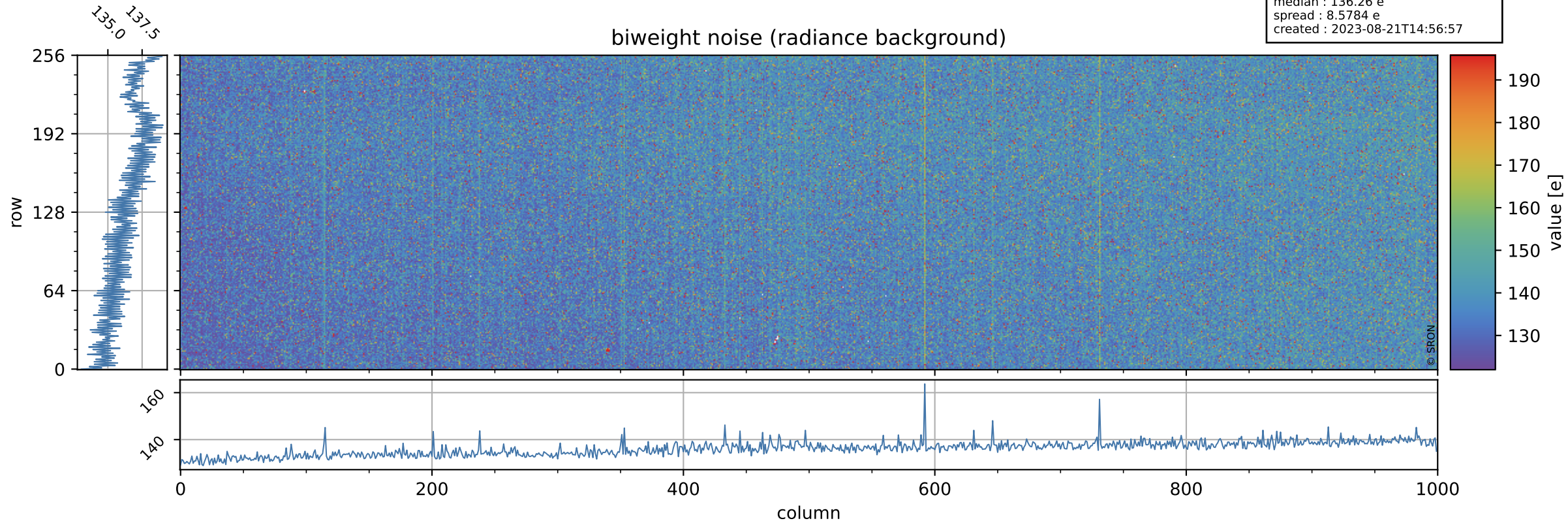
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.26 e  
spread : 8.5784 e  
created : 2023-08-21T14:56:57

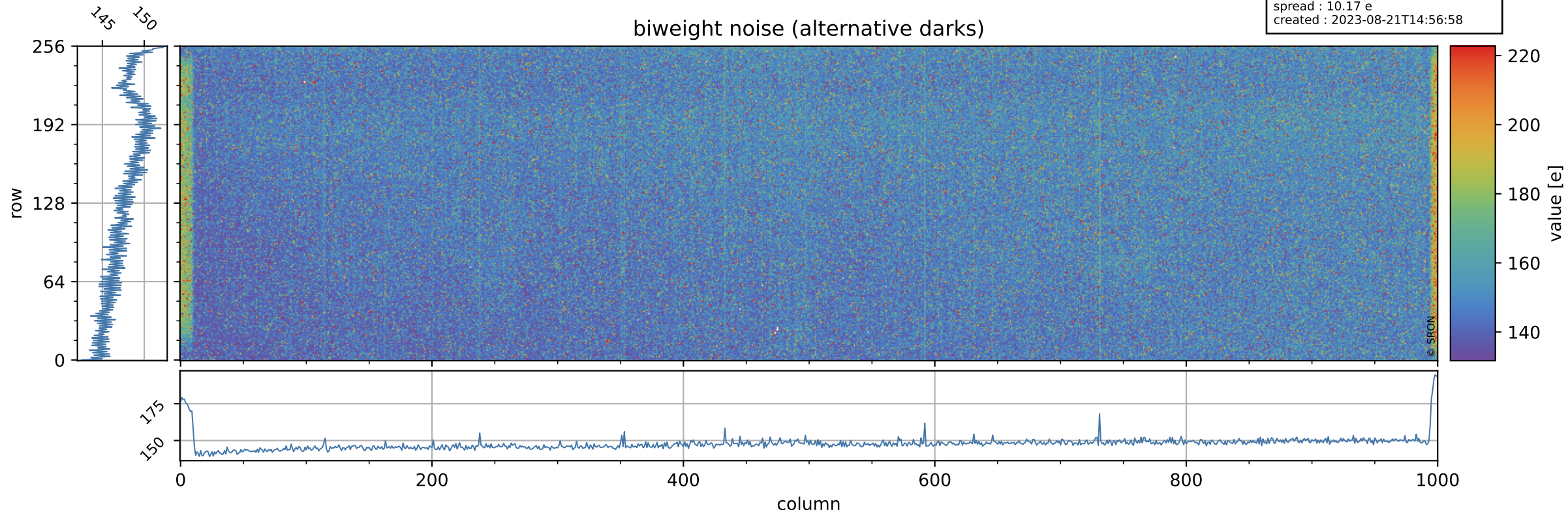
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.17 e  
created : 2023-08-21T14:56:58

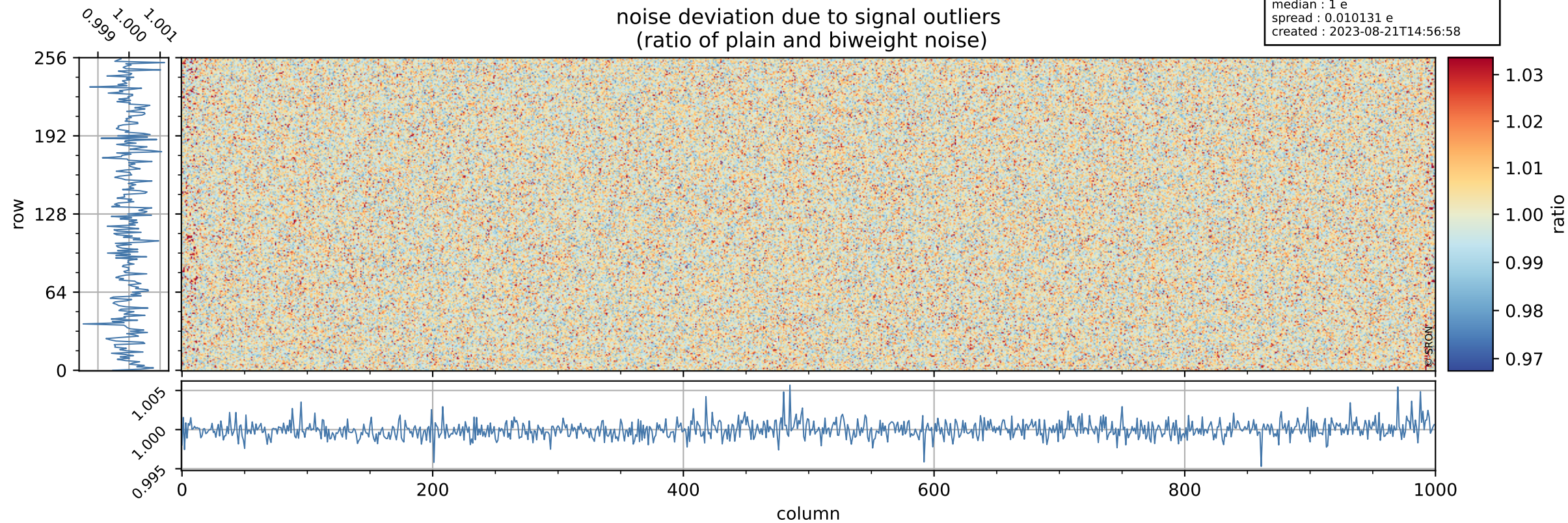
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

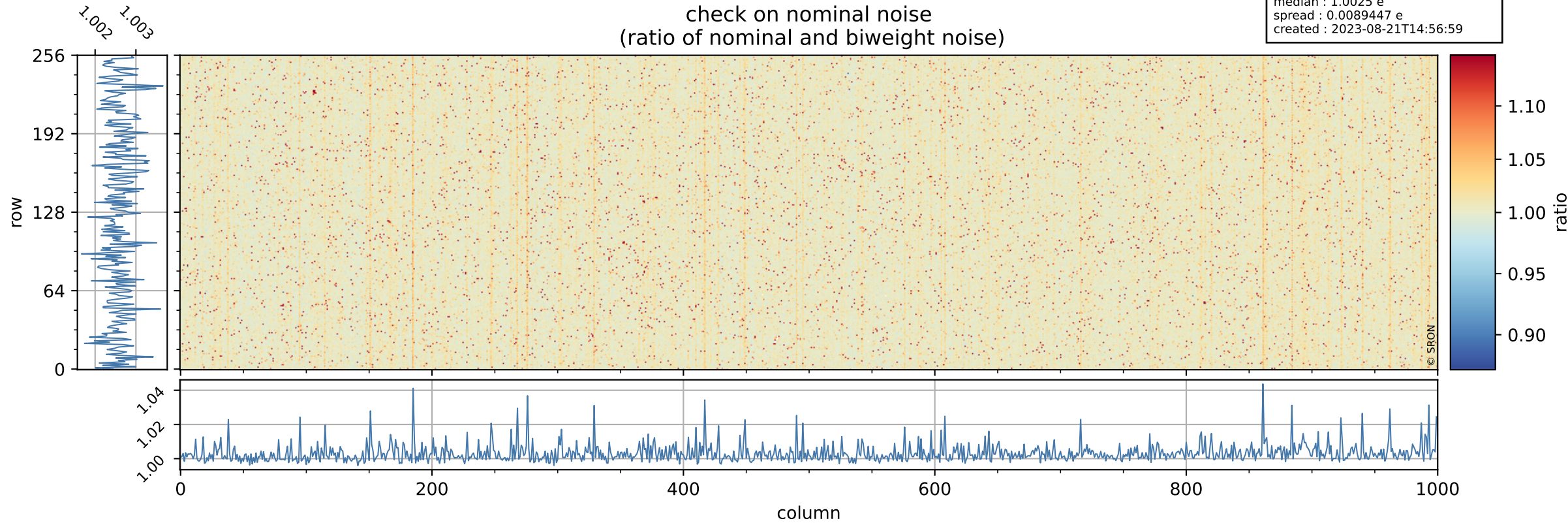
orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
median : 1 e  
spread : 0.010131 e  
created : 2023-08-21T14:56:58



# Tropomi SWIR background noise (swir)

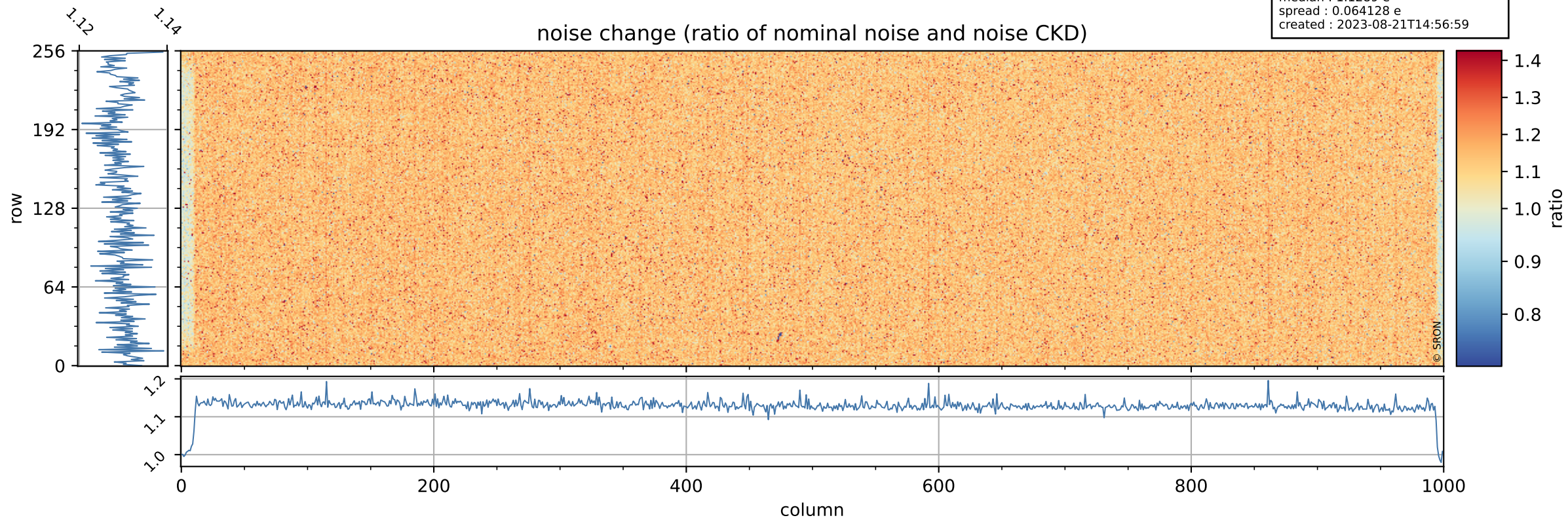
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
median : 1.0025 e  
spread : 0.0089447 e  
created : 2023-08-21T14:56:59



# Tropomi SWIR background noise (swir)

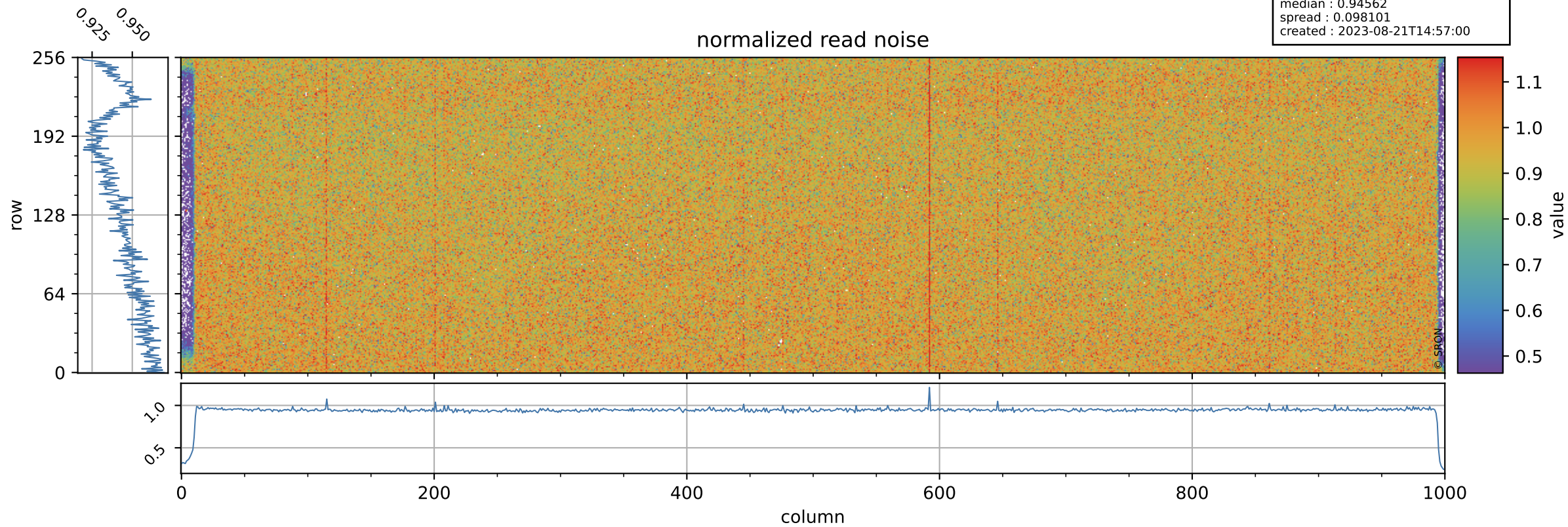
orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
median : 1.1289 e  
spread : 0.064128 e  
created : 2023-08-21T14:56:59



# Tropomi SWIR background noise (swir)

orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
median : 0.94562  
spread : 0.098101  
created : 2023-08-21T14:57:00

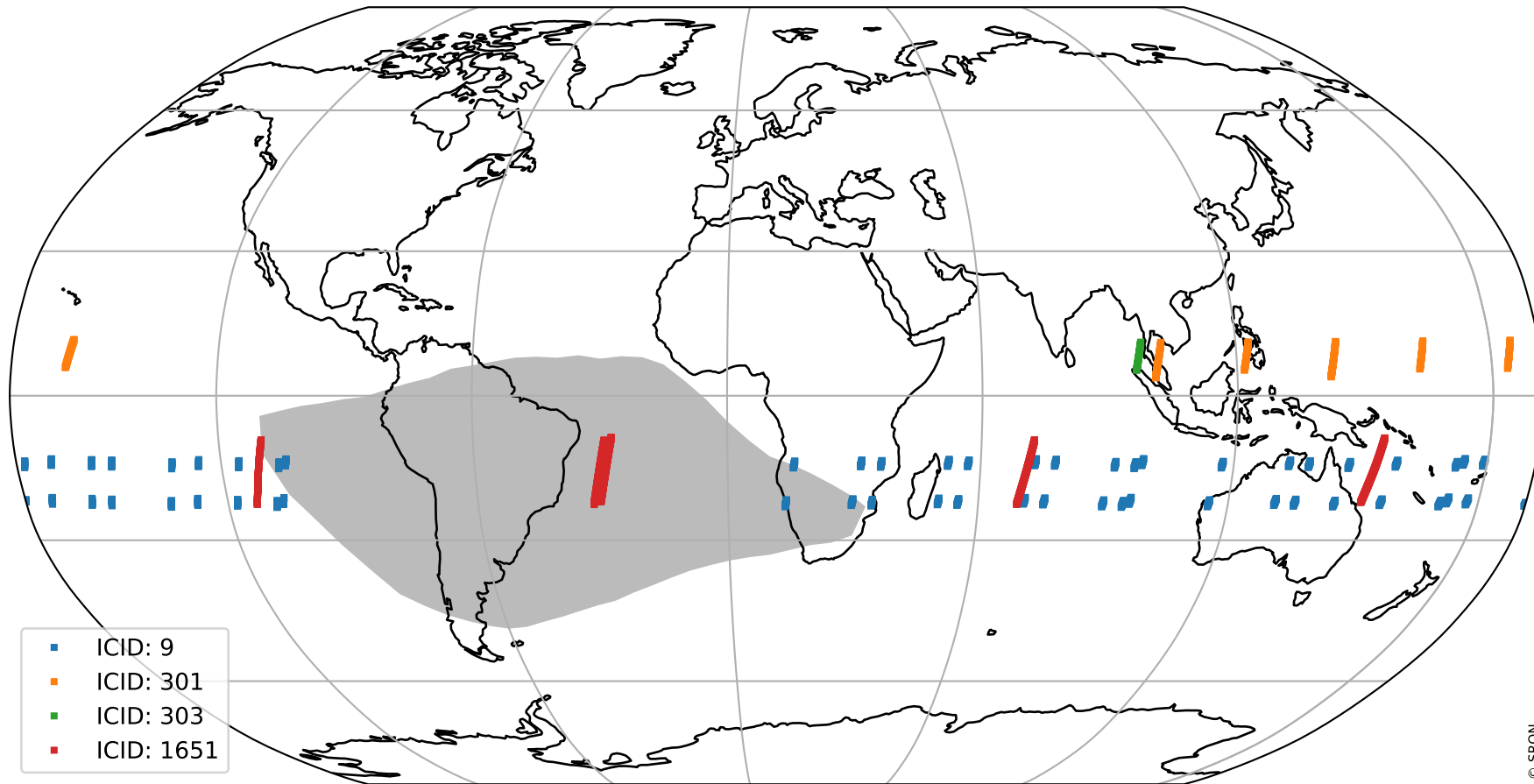
## normalized read noise





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

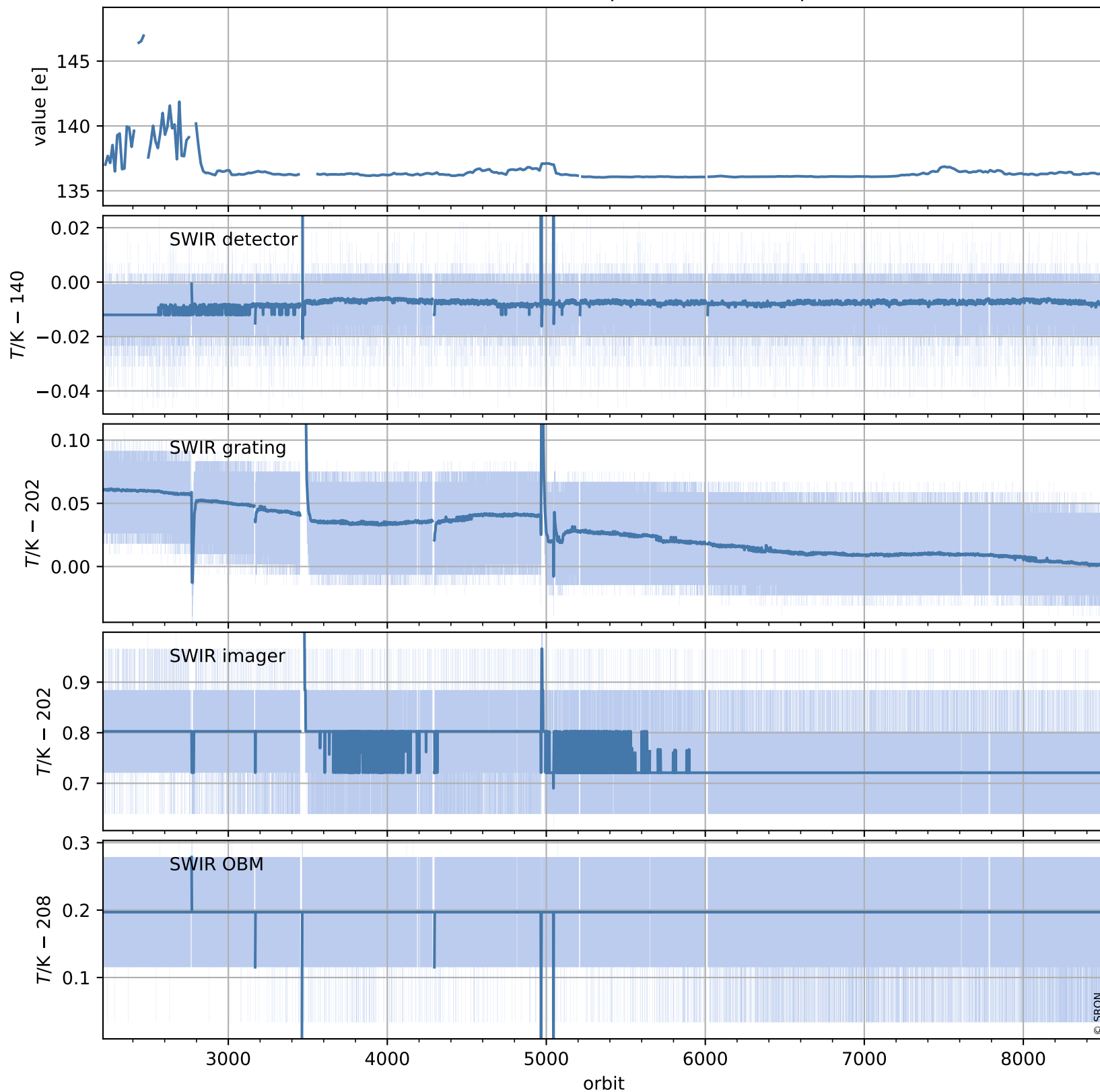
orbits : 12 in [8422, 8512]  
coverage : 2019-05-30 / 2019-06-05  
created : 2023-08-21T14:57:00



# Tropomi SWIR background noise (swir)

orbits : [2212, 8512]  
coverage : 2018-03-18 / 2019-06-05  
created : 2023-08-21T14:57:00

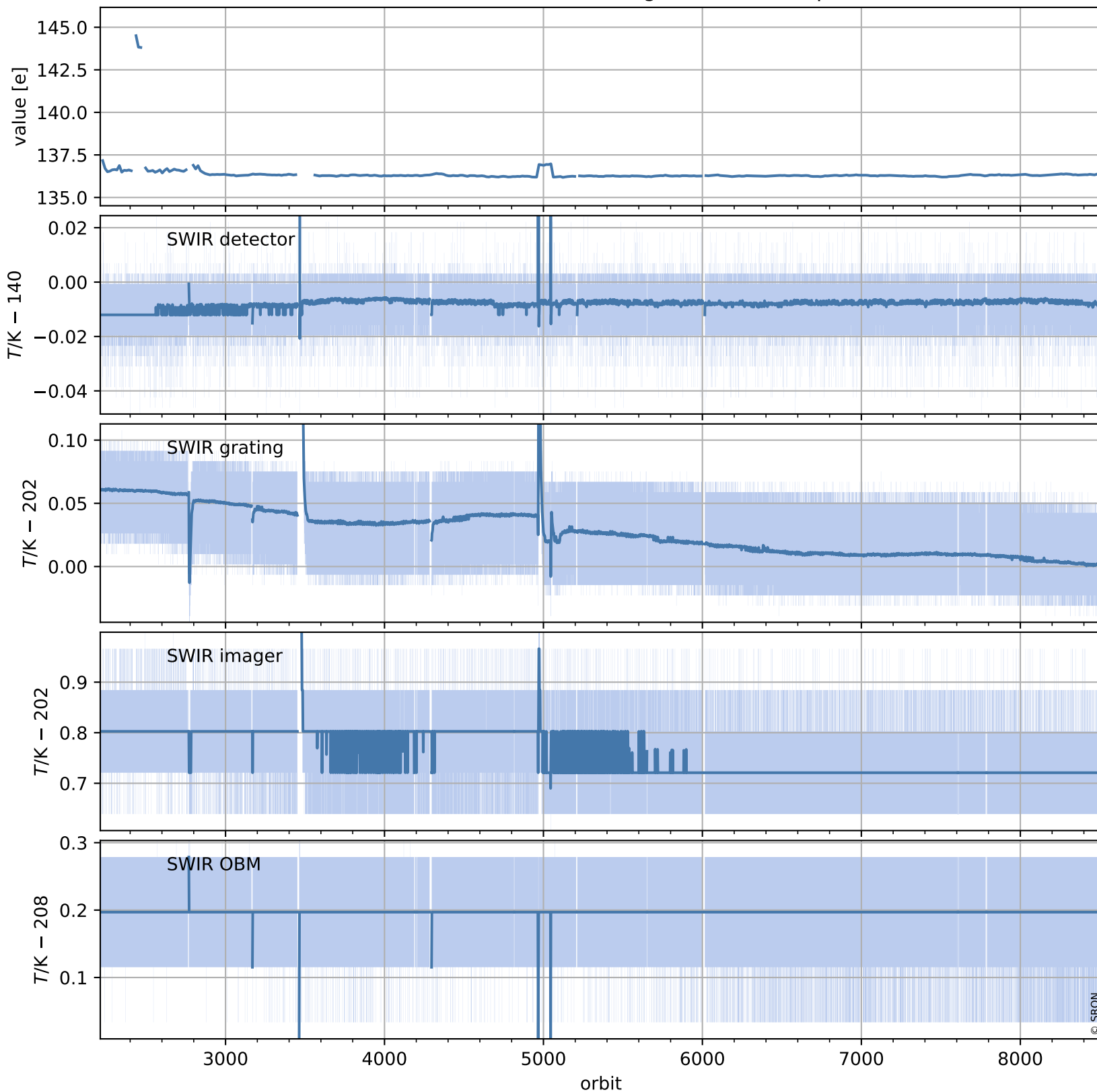
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8512]  
coverage : 2018-03-18 / 2019-06-05  
created : 2023-08-21T14:57:01

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 8512]  
coverage : 2018-03-18 / 2019-06-05  
created : 2023-08-21T14:57:02

## trend of normalized read-noise & temperatures

