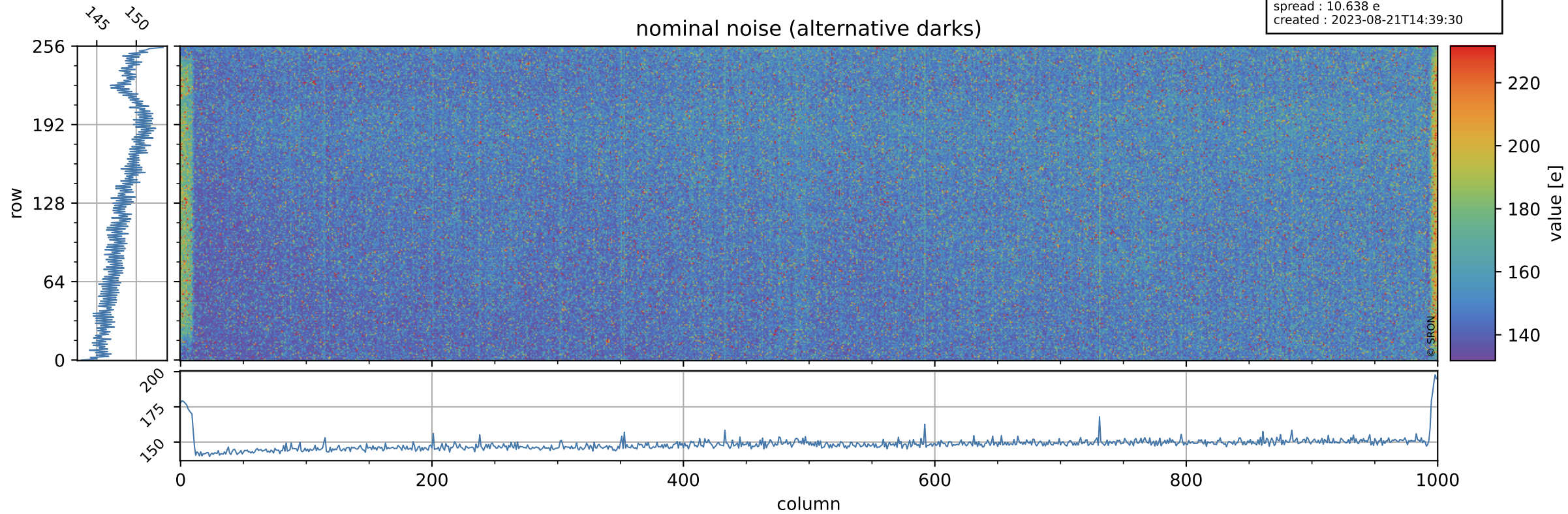


# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 148.3 e  
spread : 10.638 e  
created : 2023-08-21T14:39:30

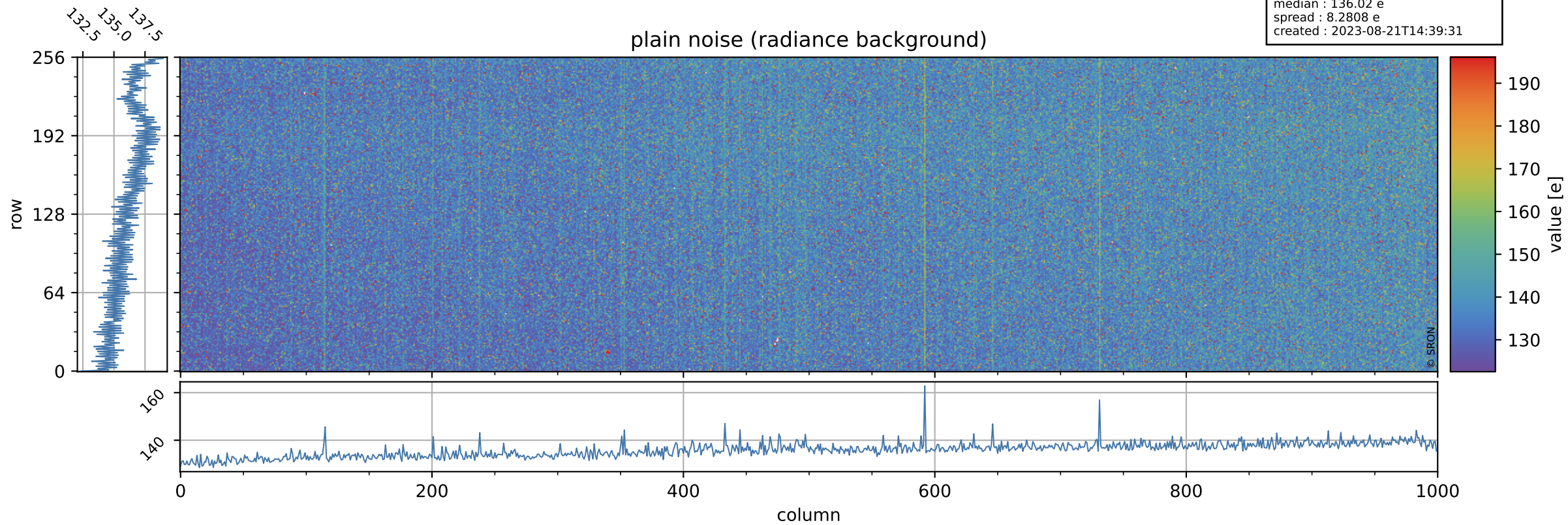
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
n\_coad, t\_exp : 2, 0.5383  
median : 136.02 e  
spread : 8.2808 e  
created : 2023-08-21T14:39:31

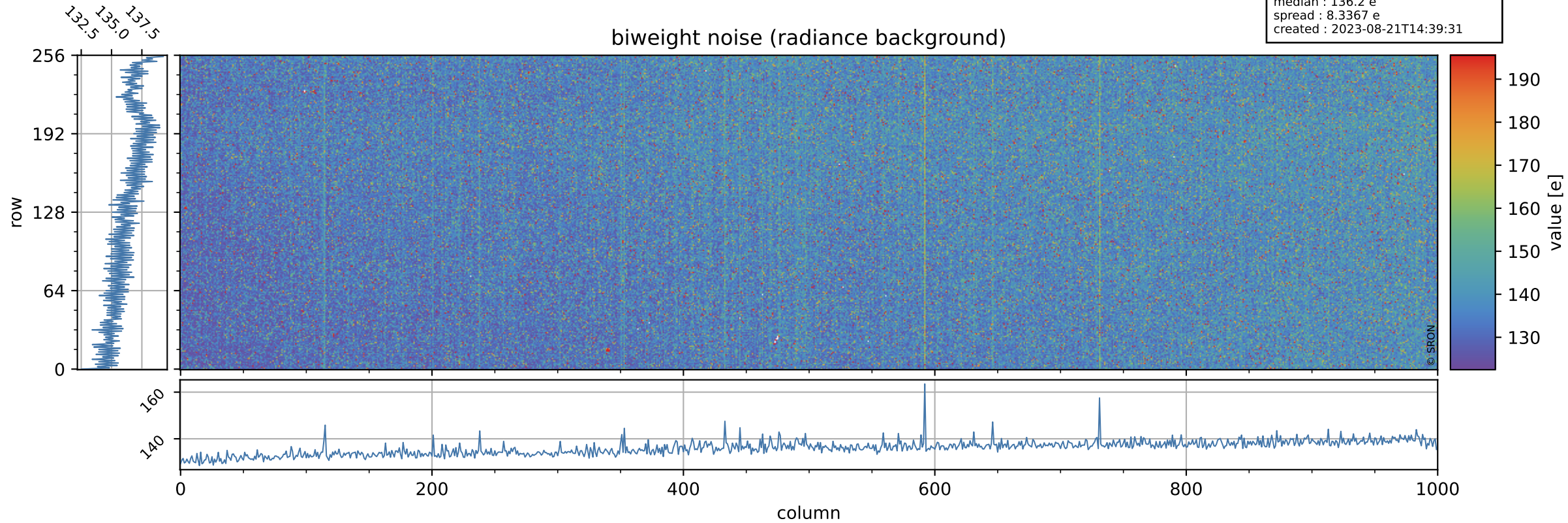
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.3367 e  
created : 2023-08-21T14:39:31

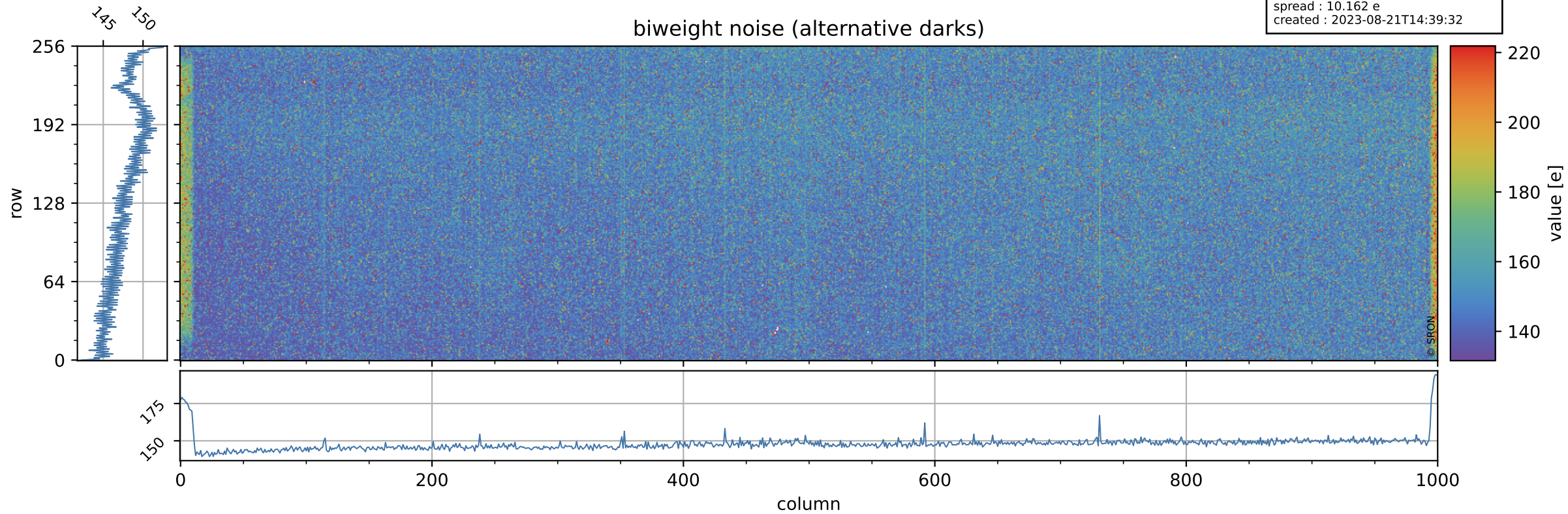
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.162 e  
created : 2023-08-21T14:39:32

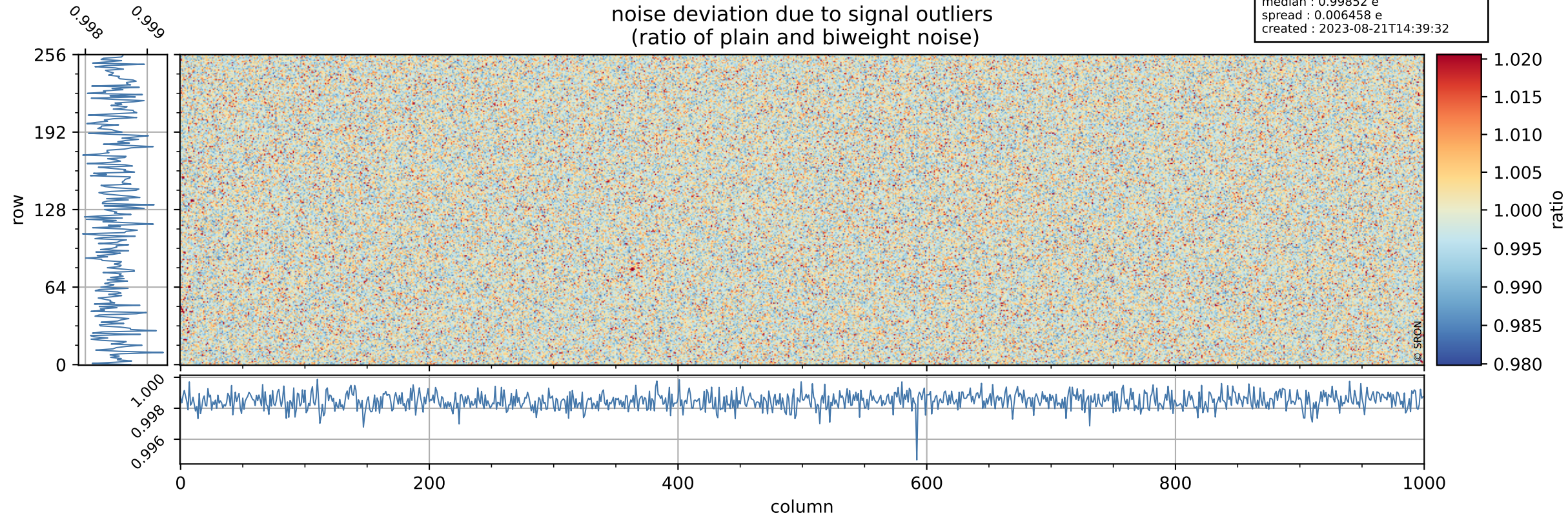
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

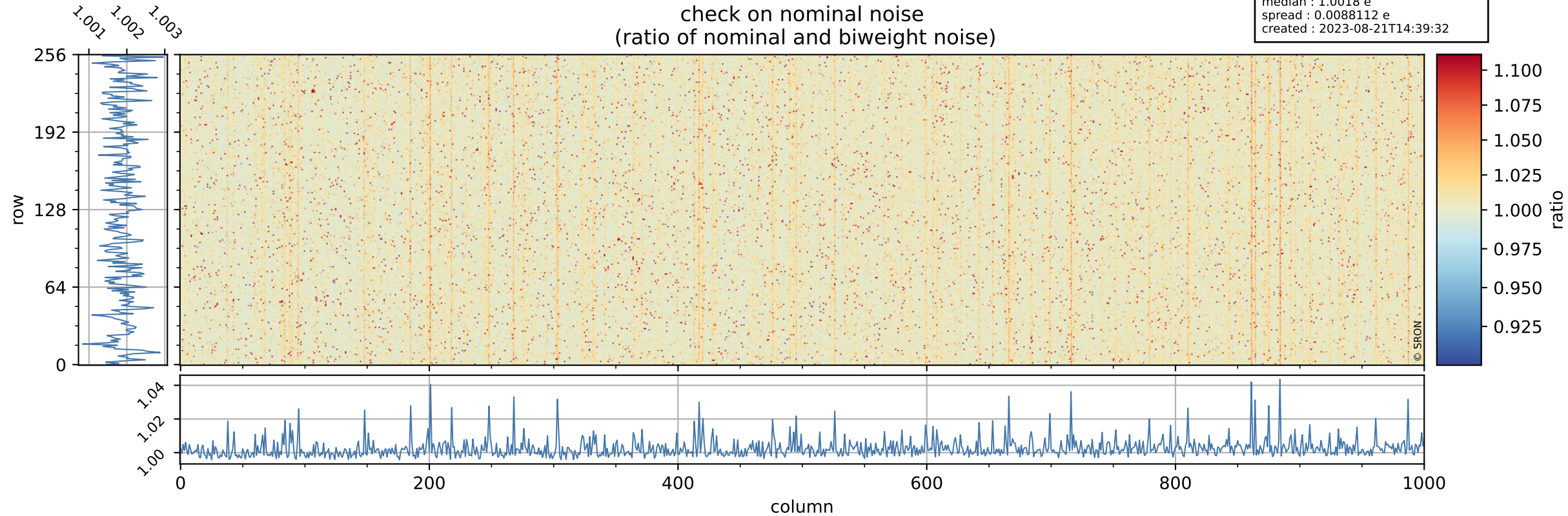
orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
median : 0.99852 e  
spread : 0.006458 e  
created : 2023-08-21T14:39:32



# Tropomi SWIR background noise (swir)

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

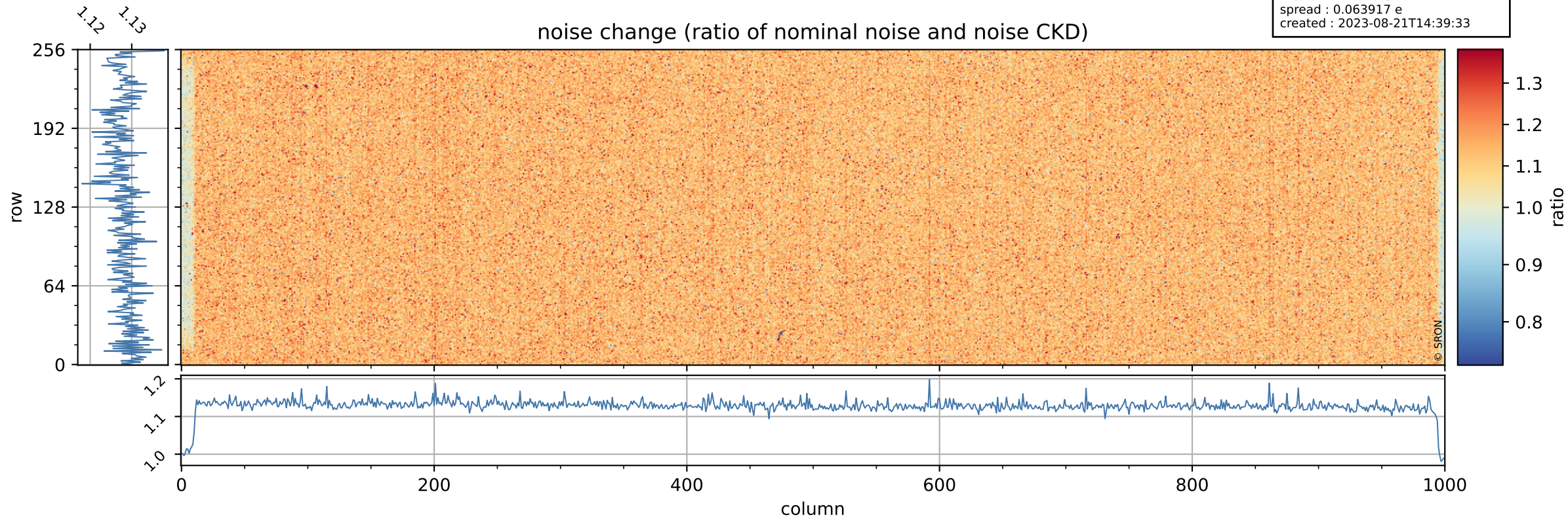
orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
median : 1.0018 e  
spread : 0.0088112 e  
created : 2023-08-21T14:39:32



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
median : 1.1279 e  
spread : 0.063917 e  
created : 2023-08-21T14:39:33

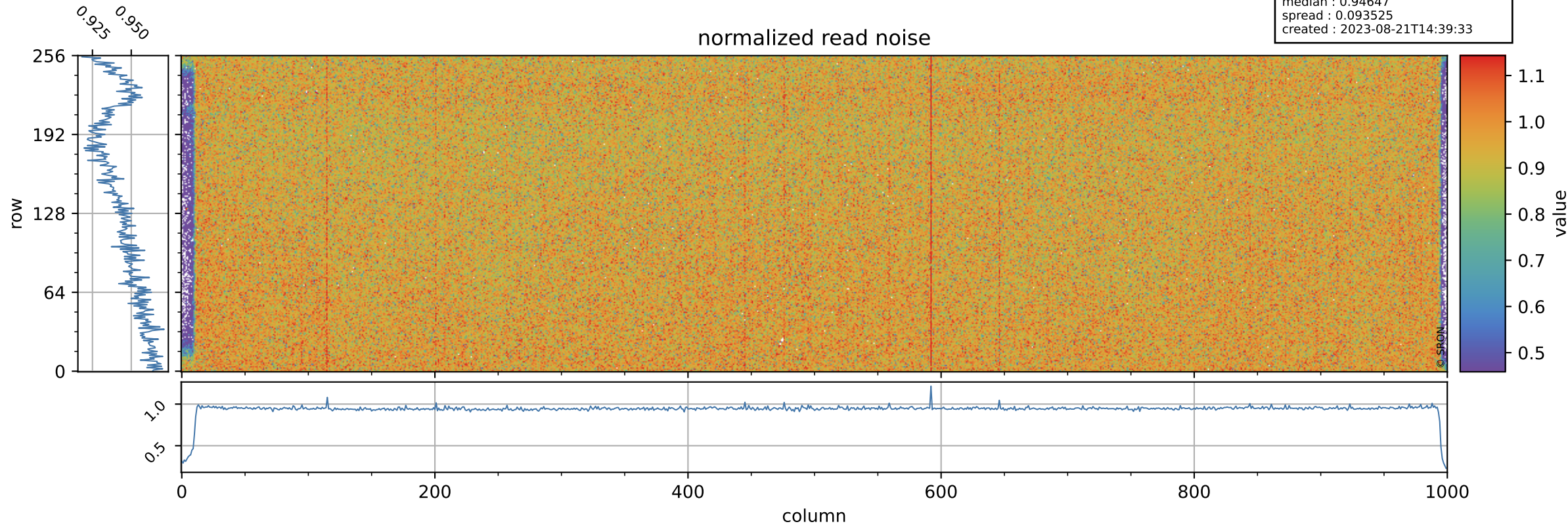
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
median : 0.94647  
spread : 0.093525  
created : 2023-08-21T14:39:33

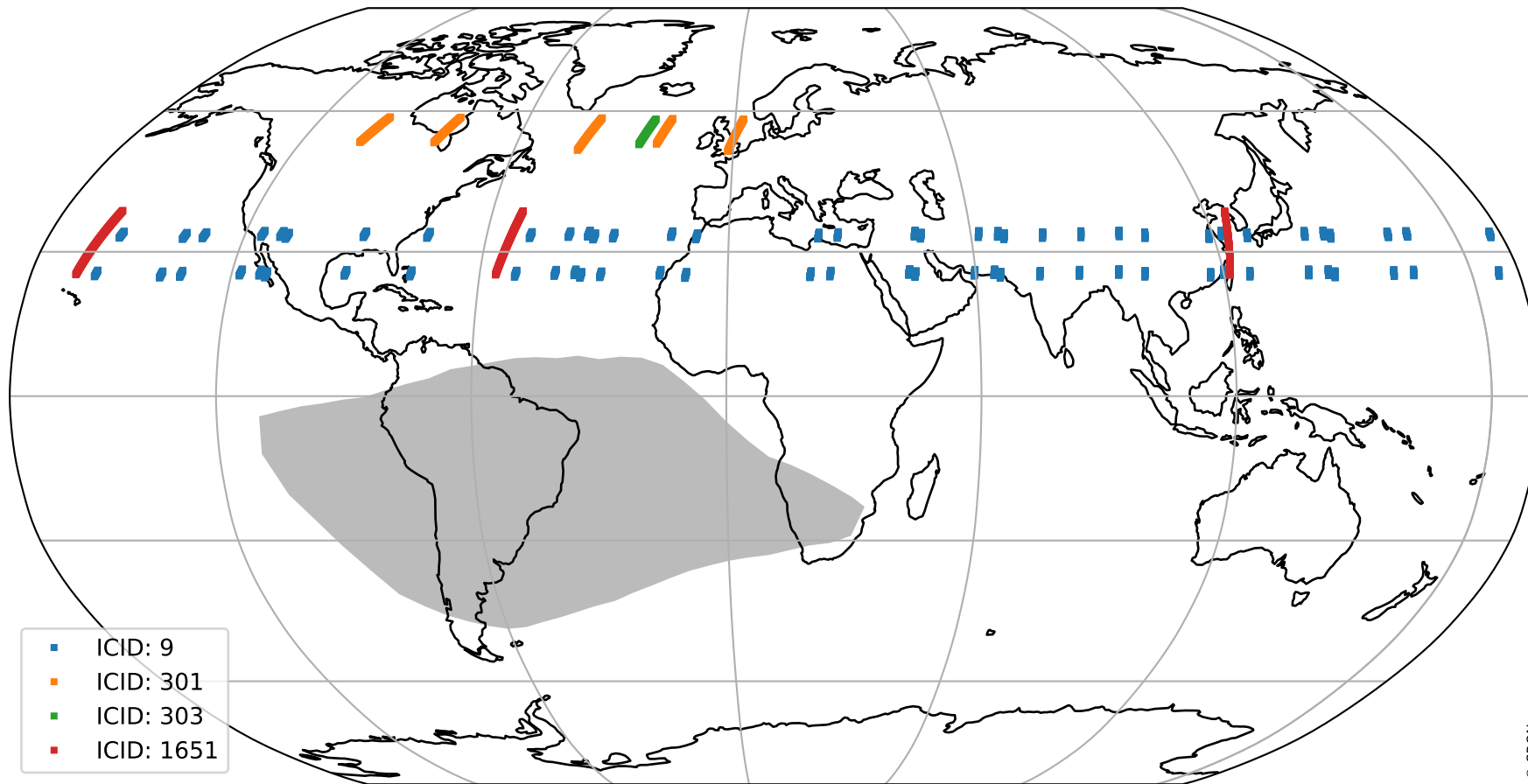
## normalized read noise





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

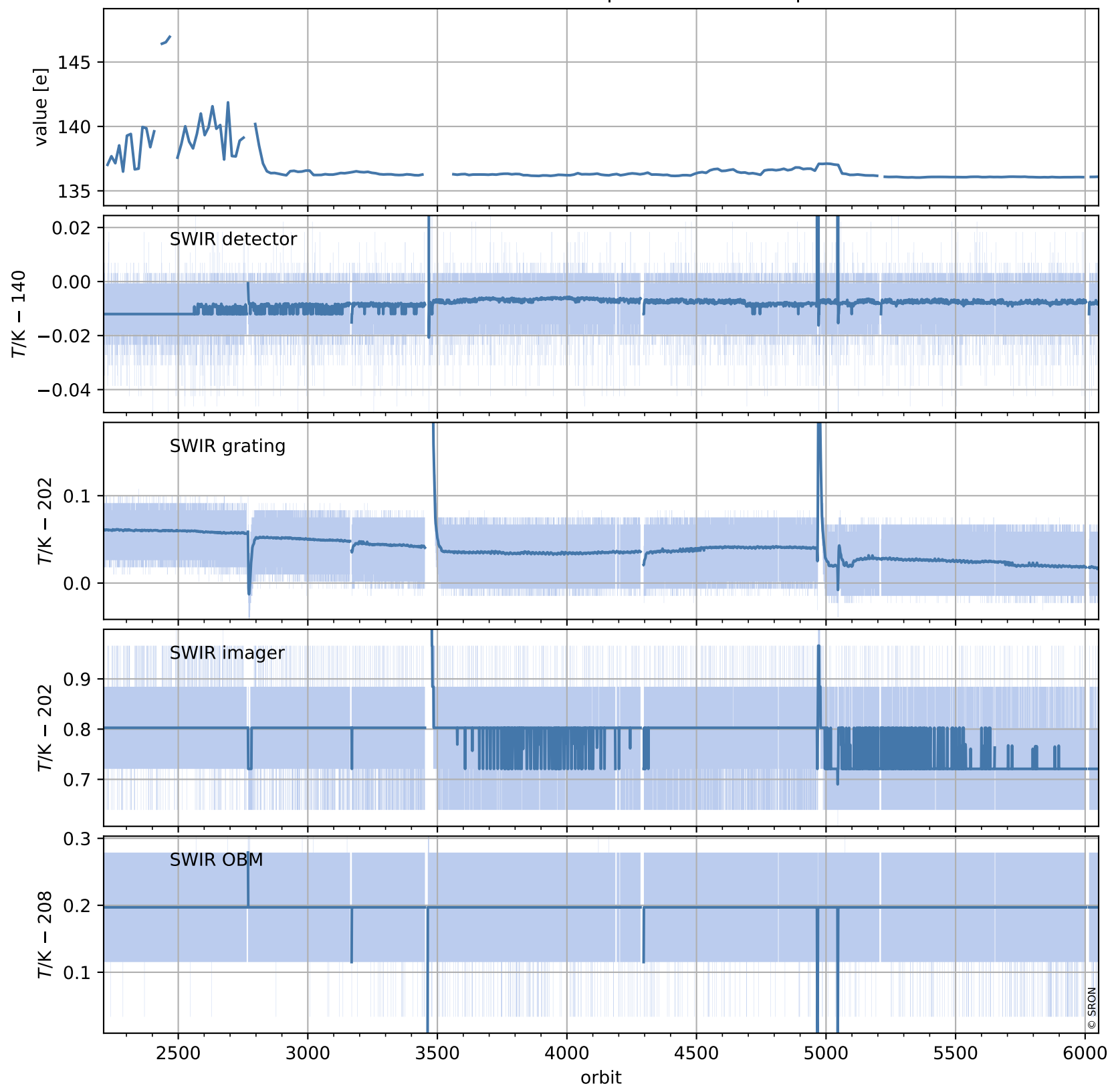
orbits : 9 in [5977, 6052]  
coverage : 2018-12-08 / 2018-12-13  
created : 2023-08-21T14:39:33



# Tropomi SWIR background noise (swir)

orbits : [2212, 6052]  
coverage : 2018-03-18 / 2018-12-13  
created : 2023-08-21T14:39:33

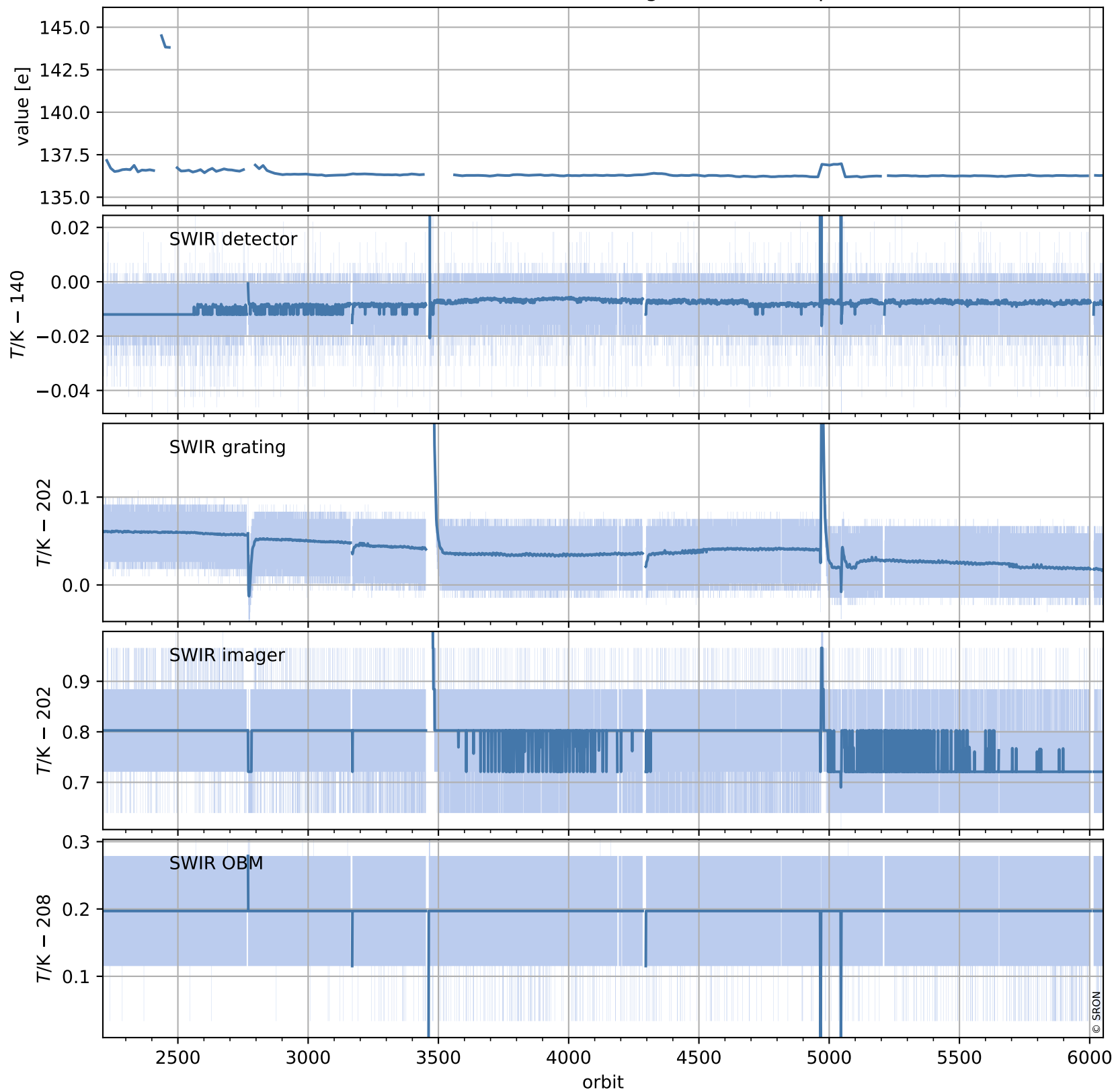
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6052]  
coverage : 2018-03-18 / 2018-12-13  
created : 2023-08-21T14:39:34

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 6052]  
coverage : 2018-03-18 / 2018-12-13  
created : 2023-08-21T14:39:35

## trend of normalized read-noise & temperatures

