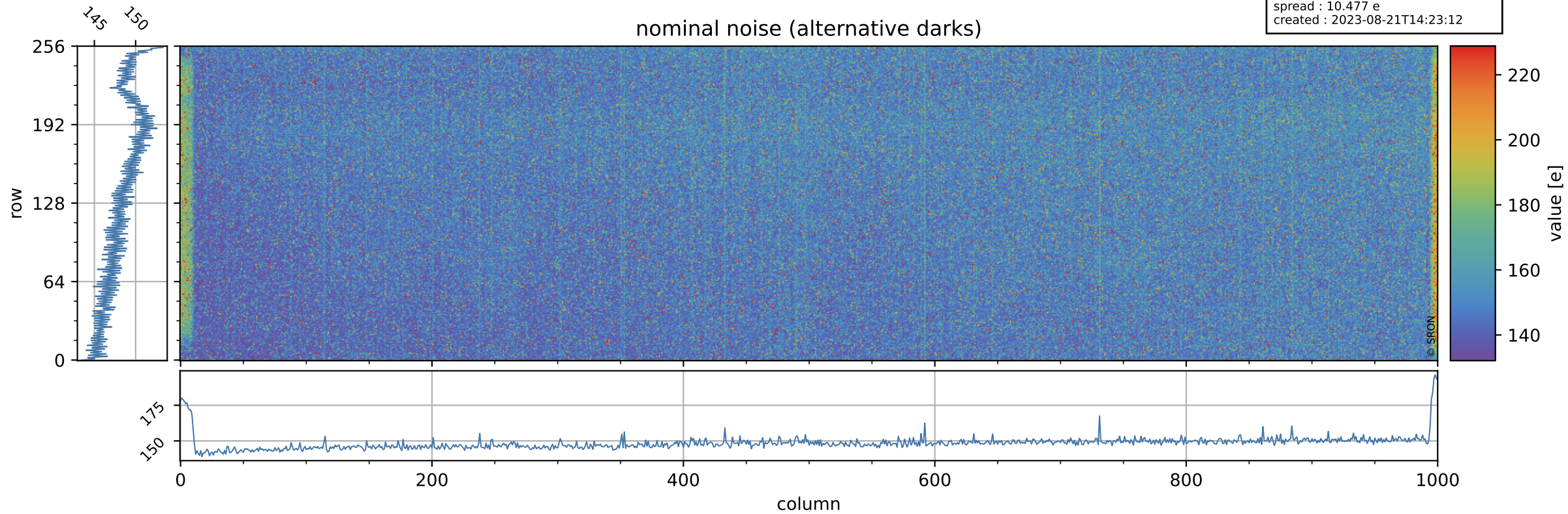


# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
n\_coad, t\_exp : 1, 1.0783  
median : 148.25 e  
spread : 10.477 e  
created : 2023-08-21T14:23:12

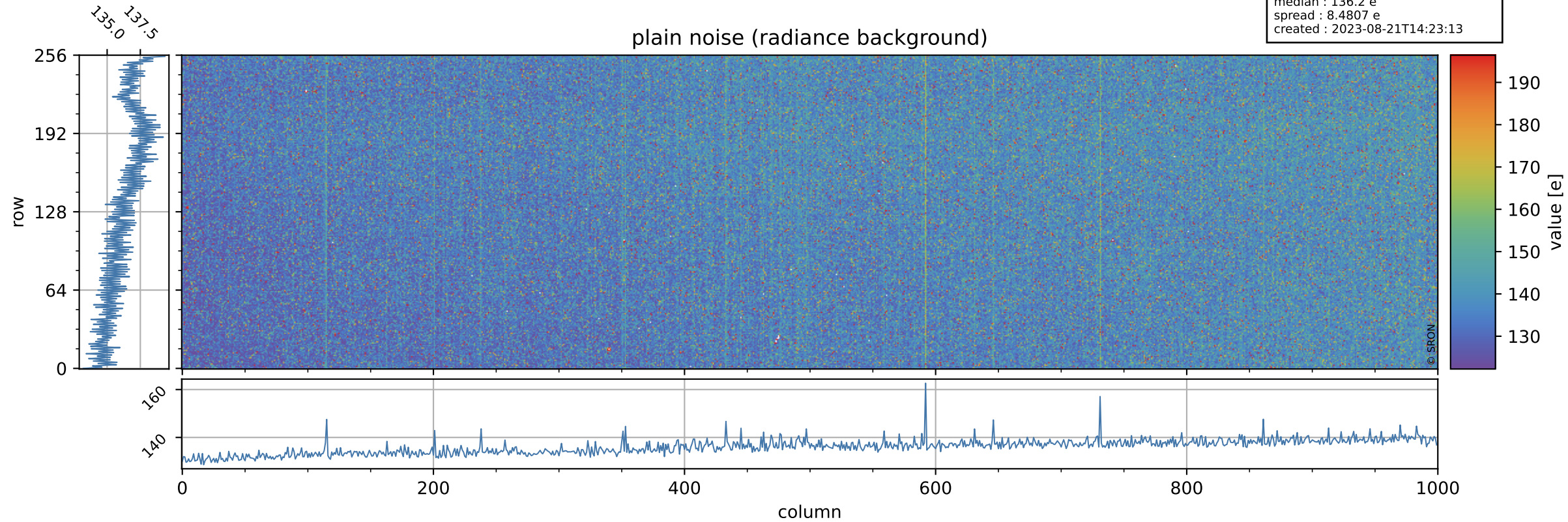
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
n\_coad, t\_exp : 2, 0.5383  
median : 136.2 e  
spread : 8.4807 e  
created : 2023-08-21T14:23:13

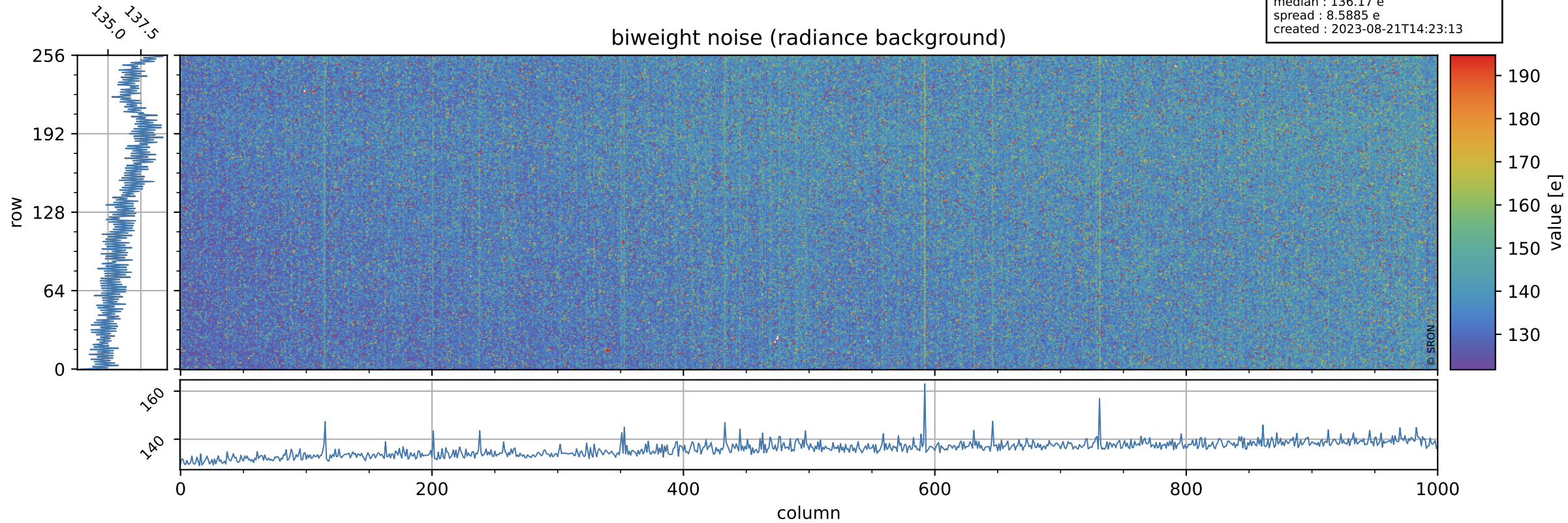
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
n\_coad, t\_exp : 2, 0.5383  
median : 136.17 e  
spread : 8.5885 e  
created : 2023-08-21T14:23:13

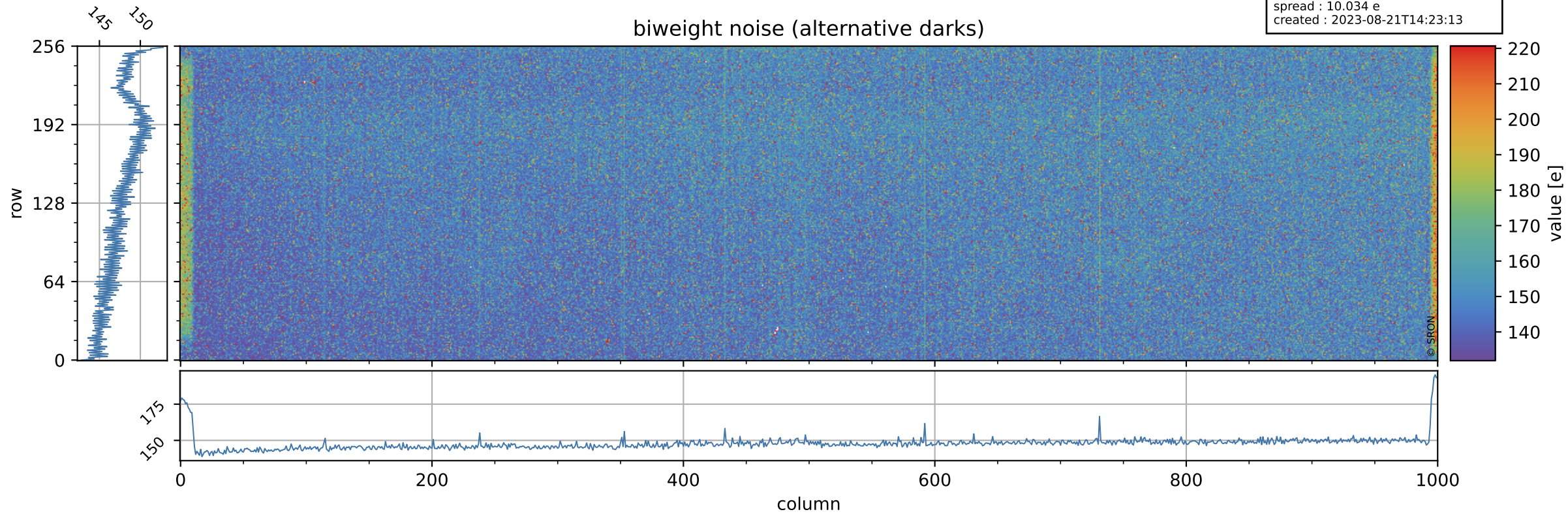
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
n\_coad, t\_exp : 1, 1.0783  
median : 147.57 e  
spread : 10.034 e  
created : 2023-08-21T14:23:13

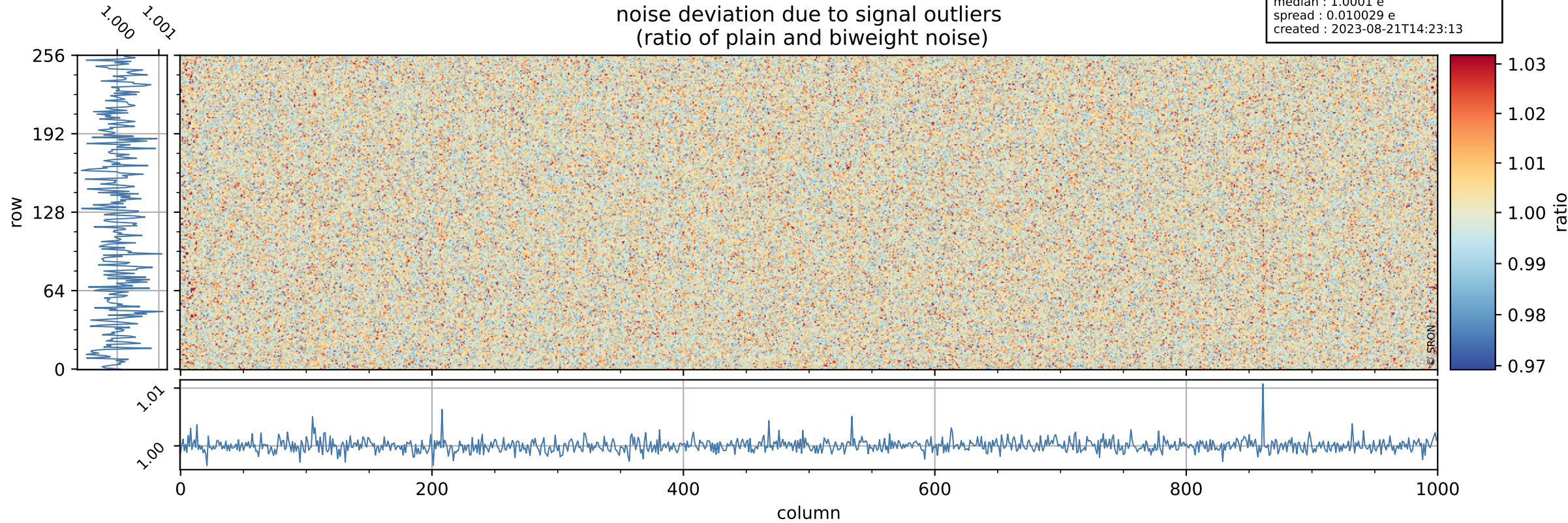
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

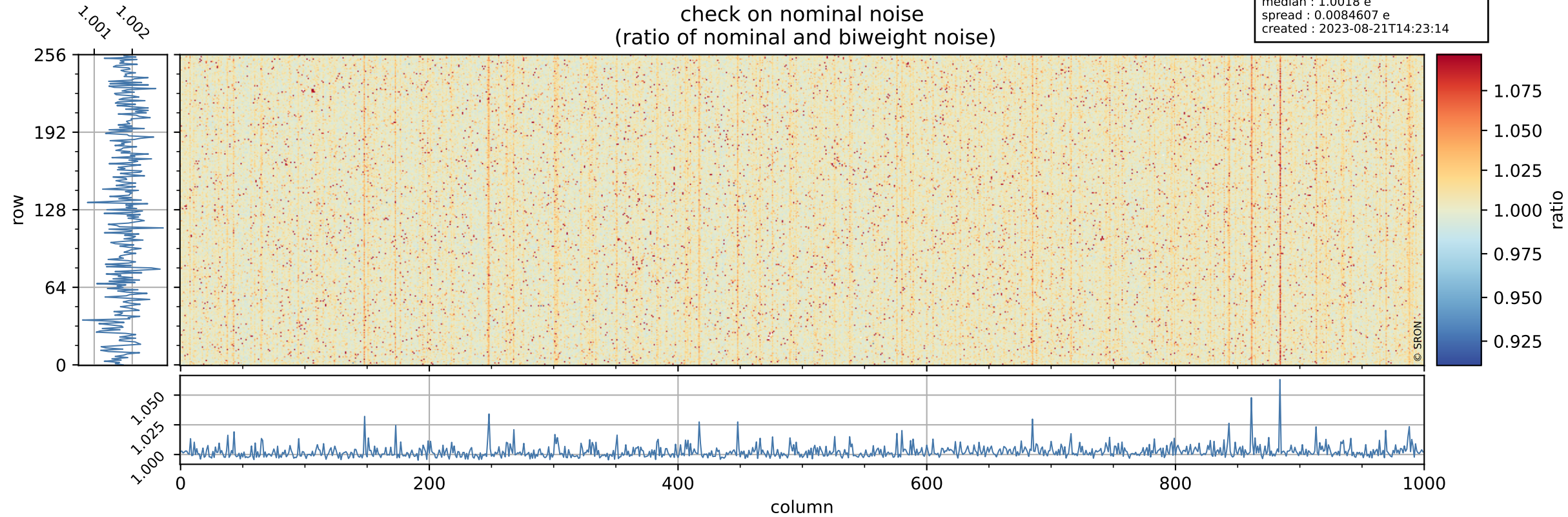
orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
median : 1.0001 e  
spread : 0.010029 e  
created : 2023-08-21T14:23:13



# Tropomi SWIR background noise (swir)

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

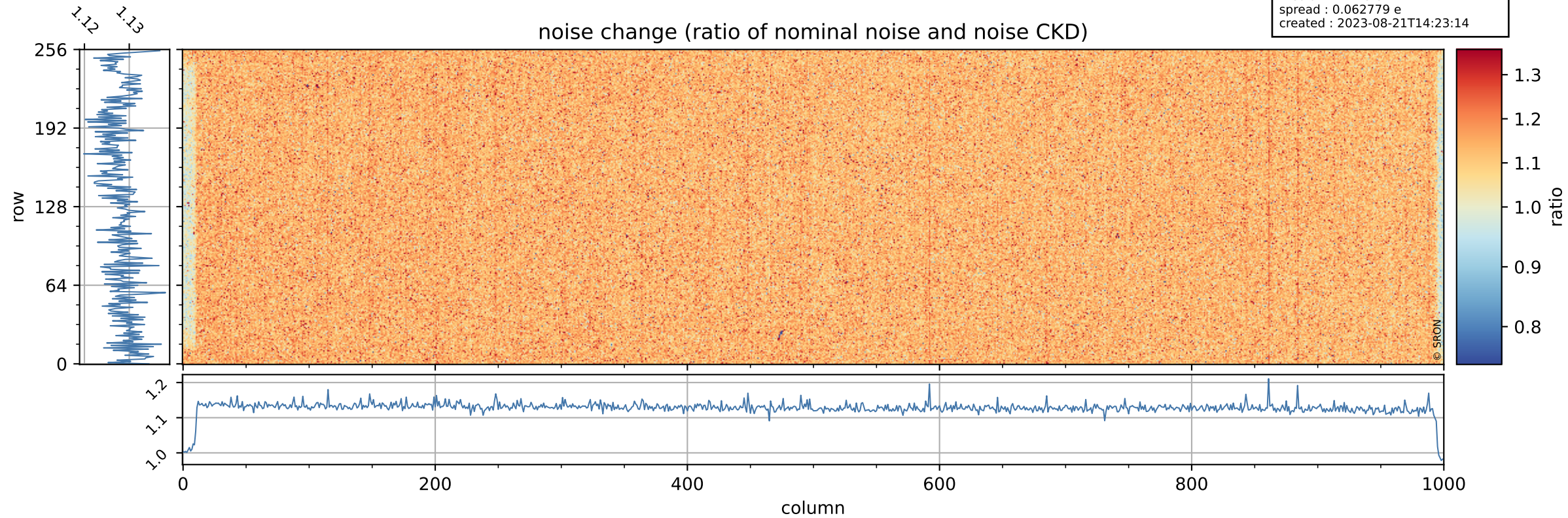
orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
median : 1.0018 e  
spread : 0.0084607 e  
created : 2023-08-21T14:23:14



# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
median : 1.128 e  
spread : 0.062779 e  
created : 2023-08-21T14:23:14

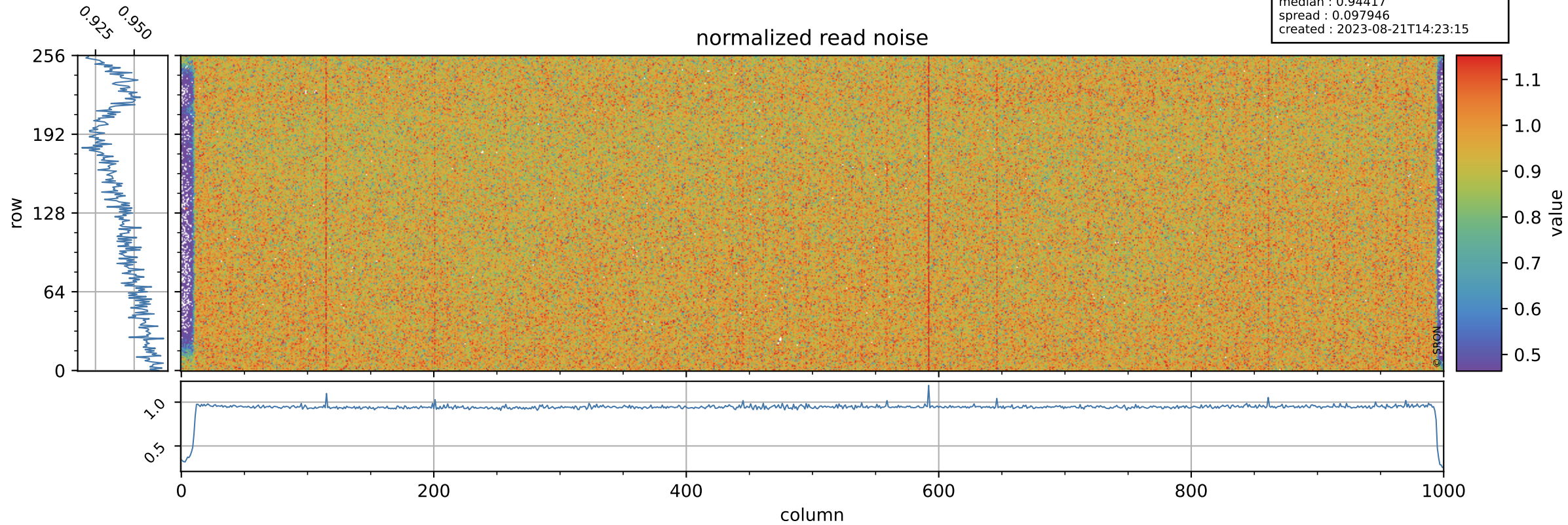
noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
median : 0.94417  
spread : 0.097946  
created : 2023-08-21T14:23:15

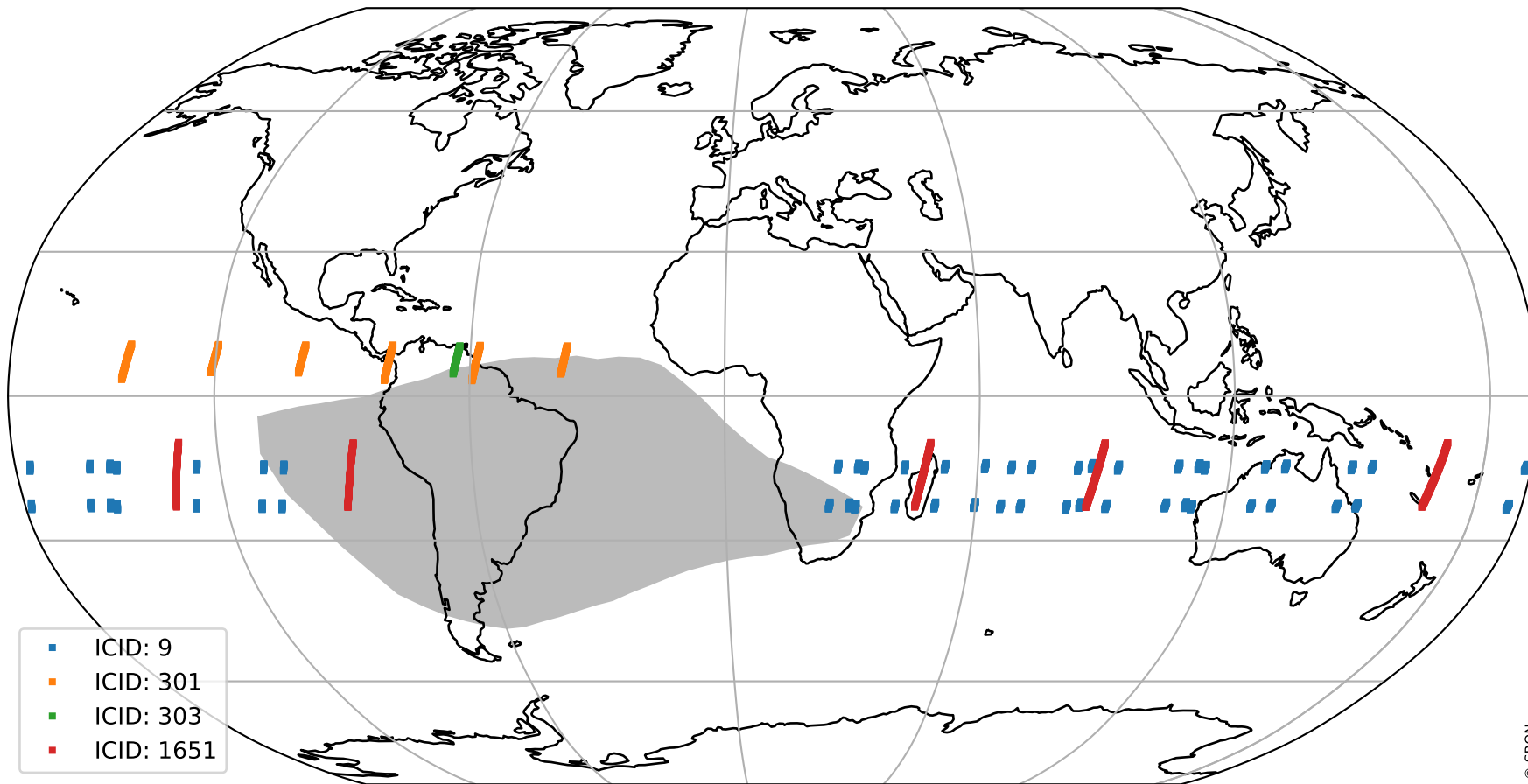
## normalized read noise





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

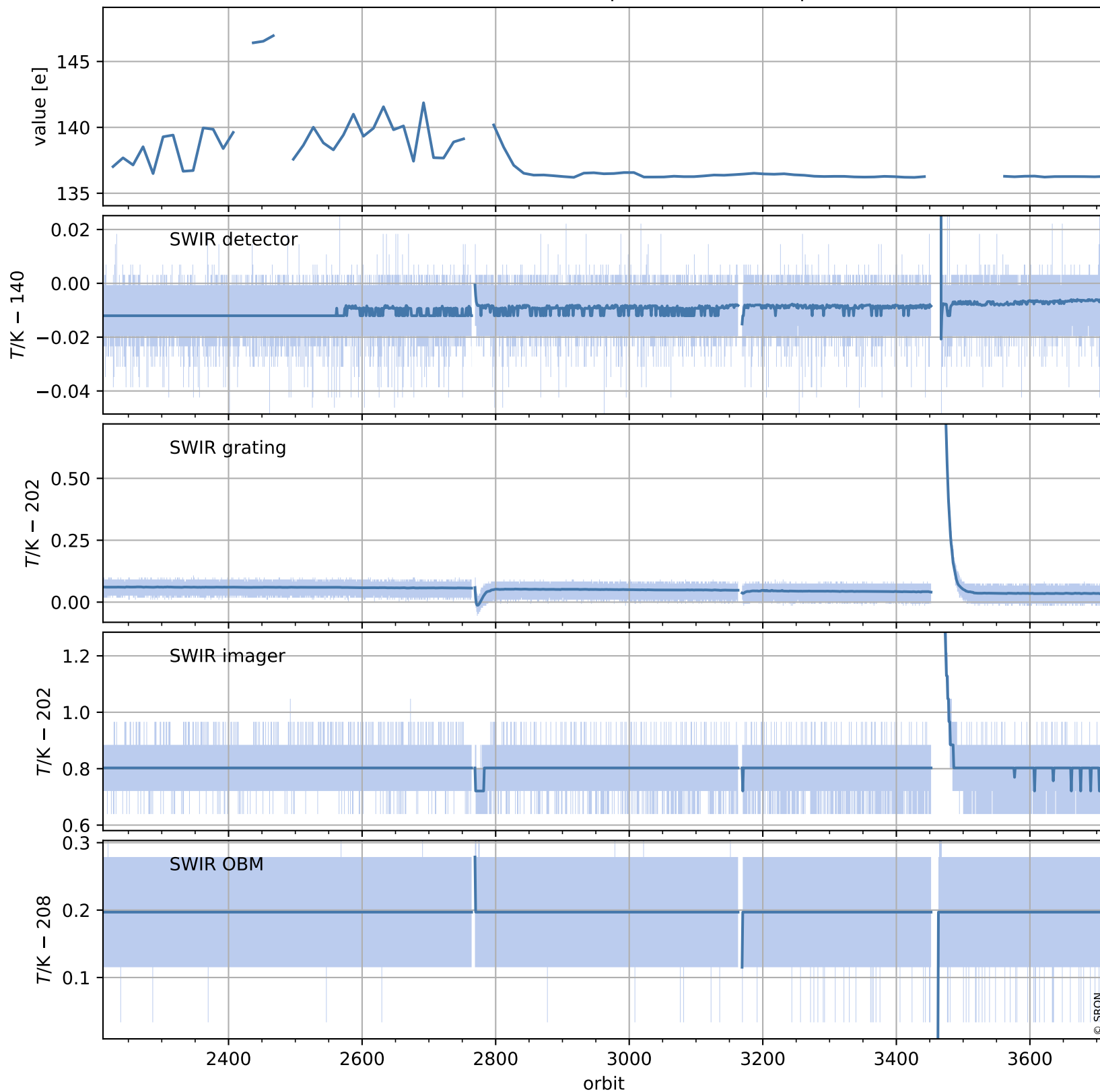
orbits : 12 in [3637, 3712]  
coverage : 2018-06-26 / 2018-07-01  
created : 2023-08-21T14:23:15



# Tropomi SWIR background noise (swir)

orbits : [2212, 3712]  
coverage : 2018-03-18 / 2018-07-01  
created : 2023-08-21T14:23:15

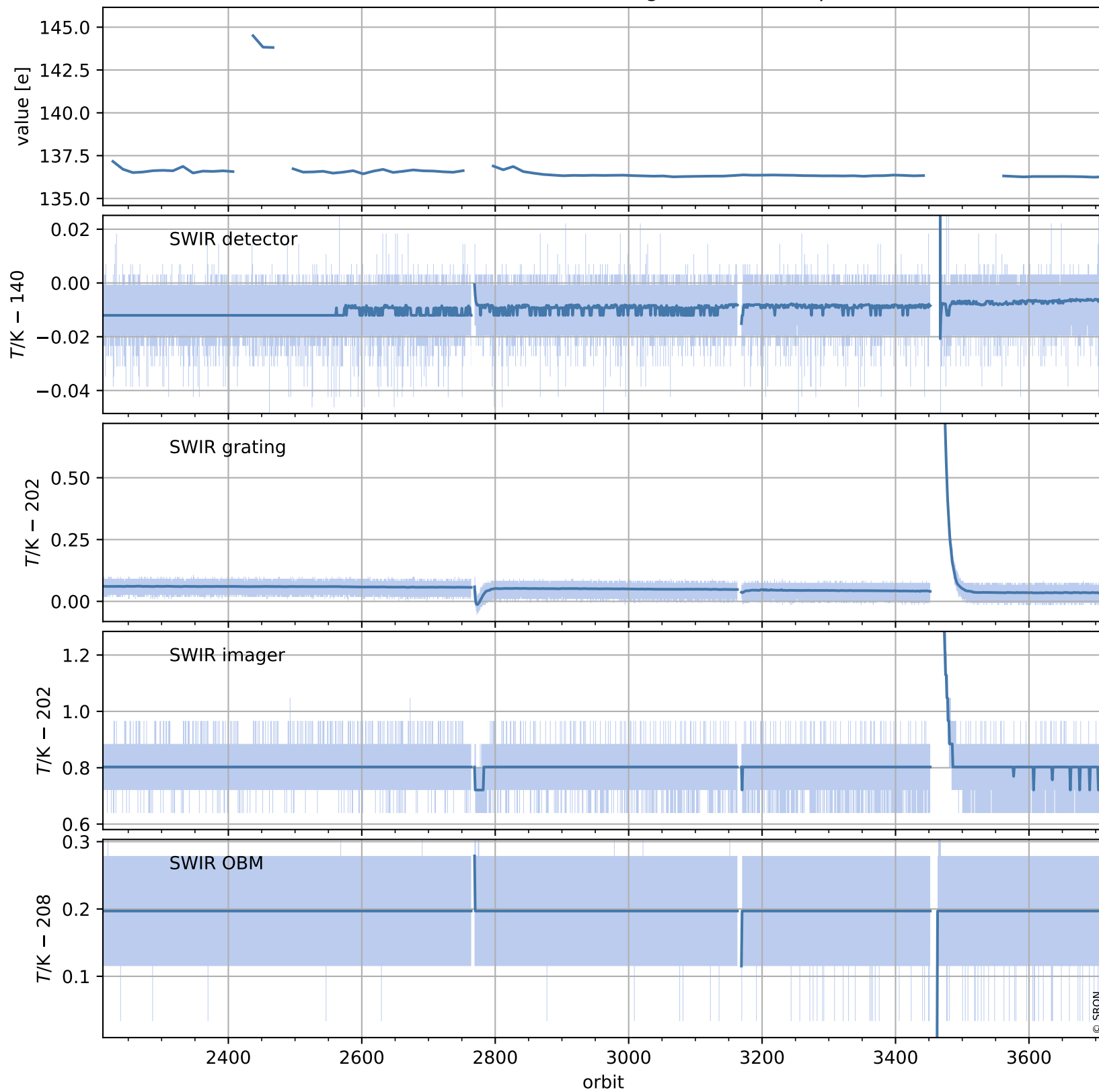
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3712]  
coverage : 2018-03-18 / 2018-07-01  
created : 2023-08-21T14:23:16

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 3712]  
coverage : 2018-03-18 / 2018-07-01  
created : 2023-08-21T14:23:16

## trend of normalized read-noise & temperatures

