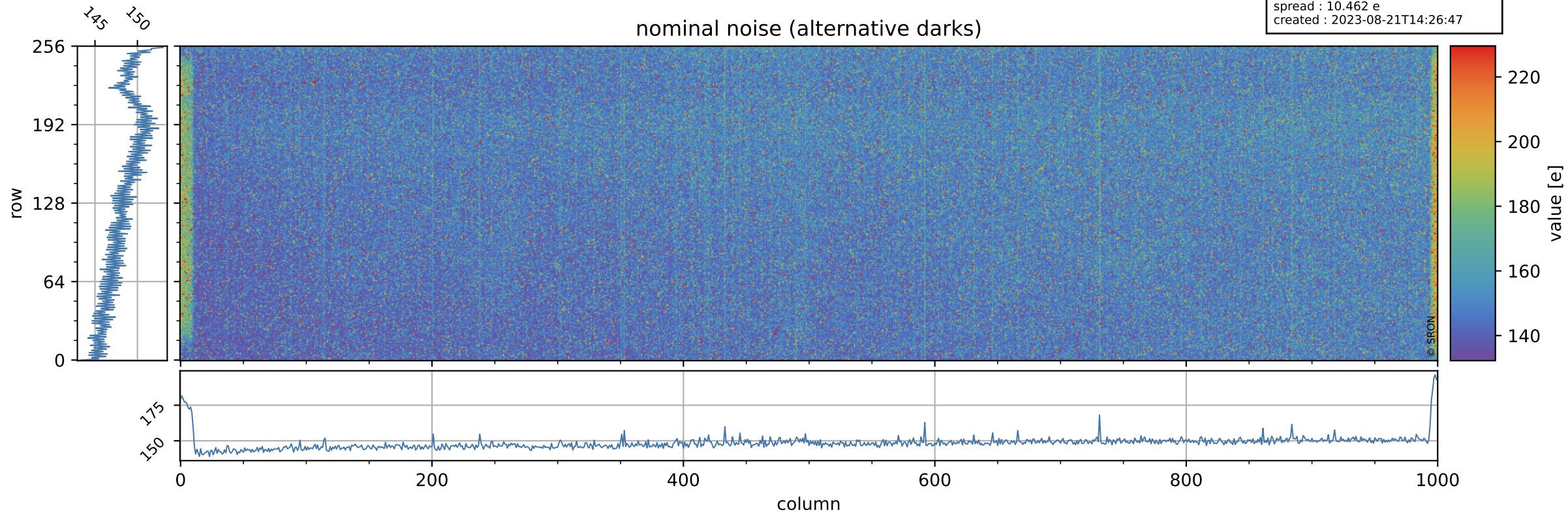


# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
n\_coad, t\_exp : 1, 1.0783  
median : 148.25 e  
spread : 10.462 e  
created : 2023-08-21T14:26:47

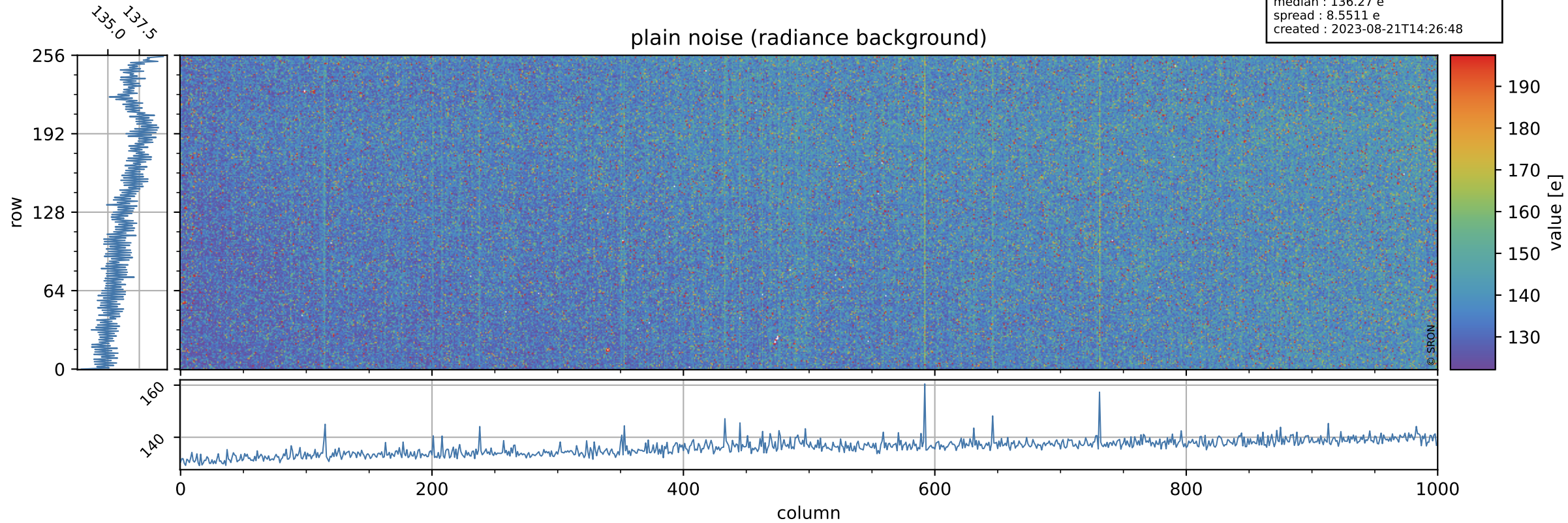
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
n\_coad, t\_exp : 2, 0.5383  
median : 136.27 e  
spread : 8.5511 e  
created : 2023-08-21T14:26:48

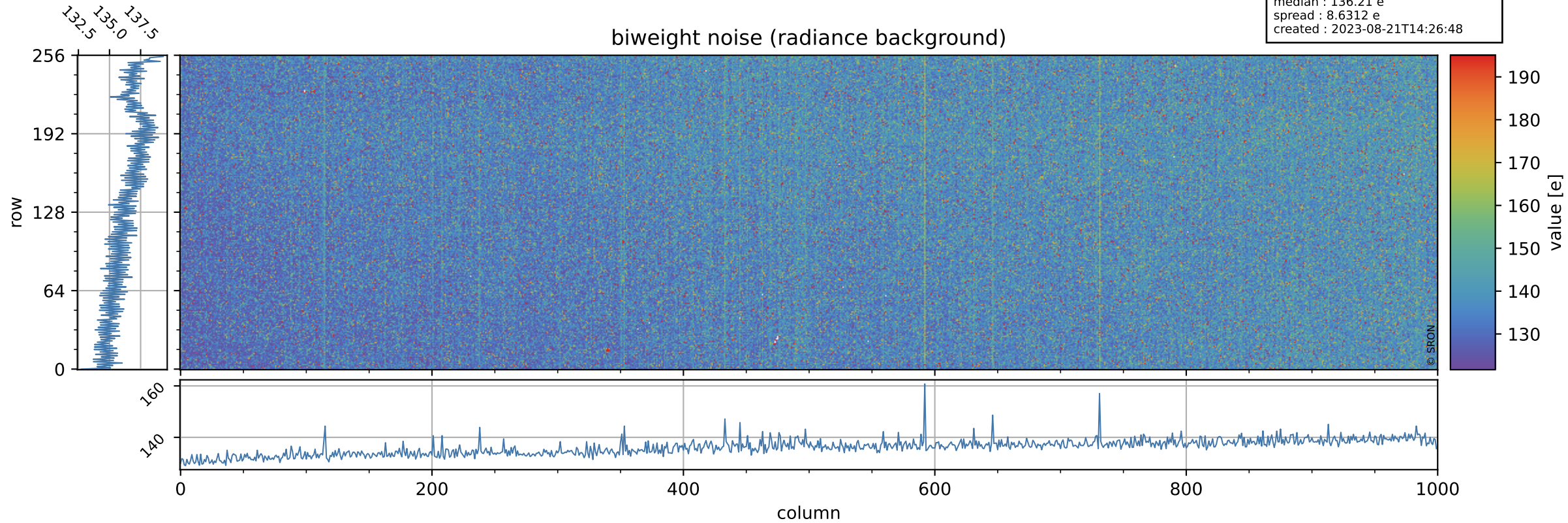
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
n\_coad, t\_exp : 2, 0.5383  
median : 136.21 e  
spread : 8.6312 e  
created : 2023-08-21T14:26:48

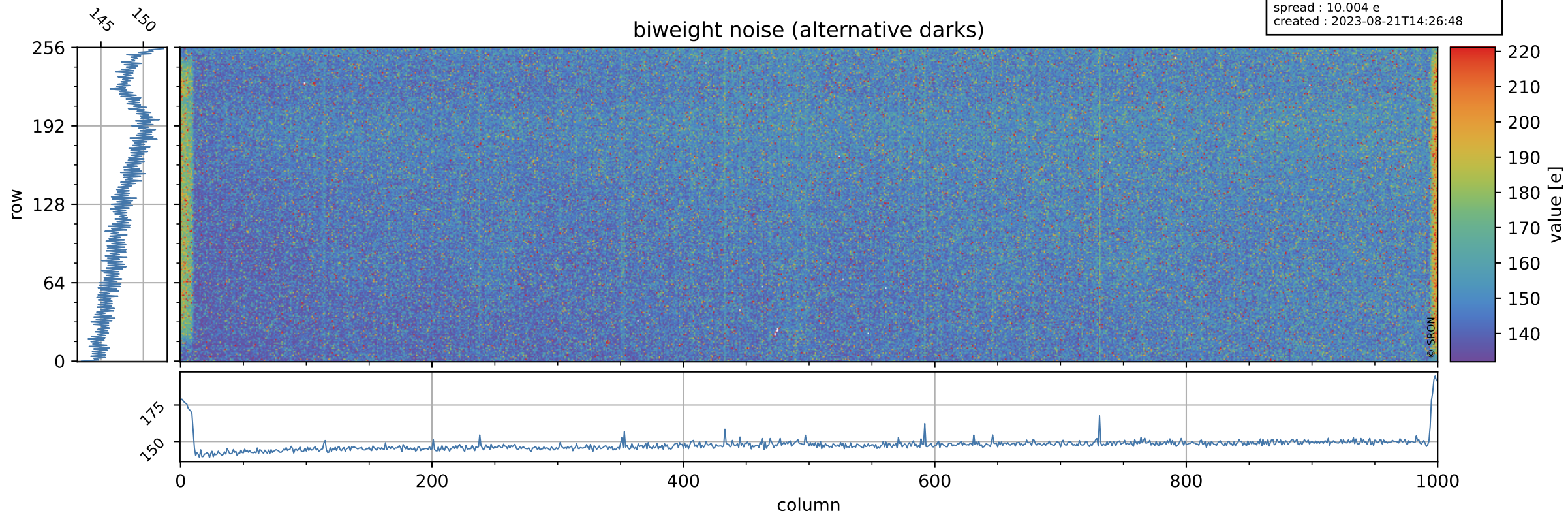
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 10.004 e  
created : 2023-08-21T14:26:48

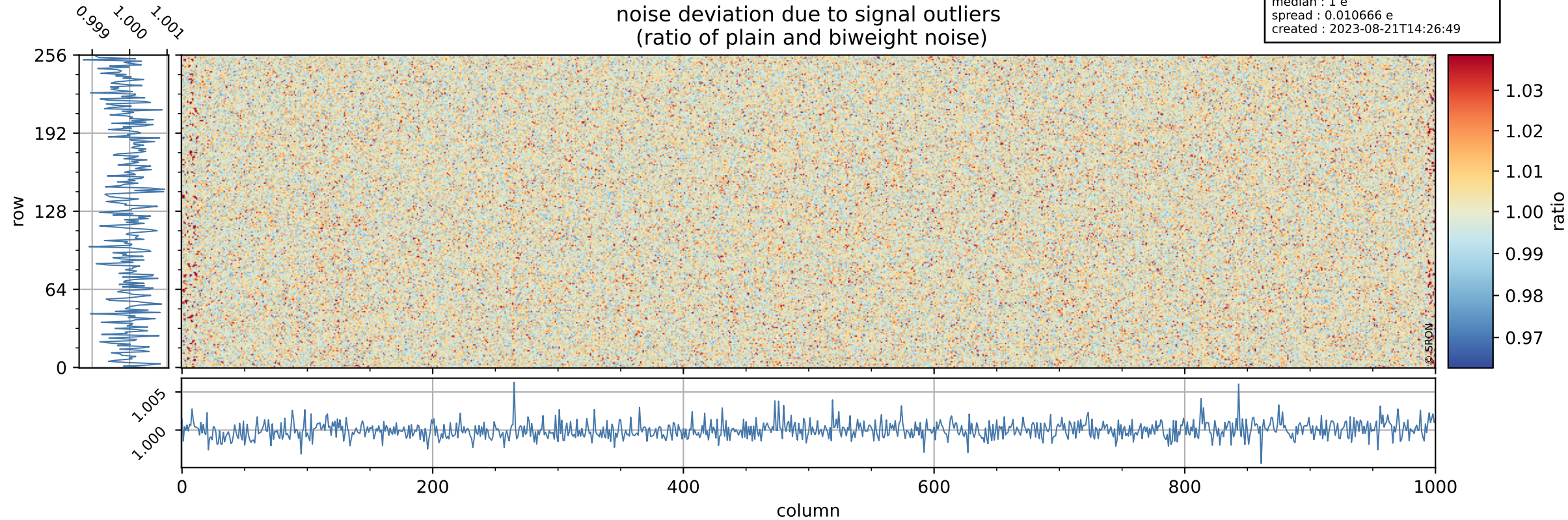
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

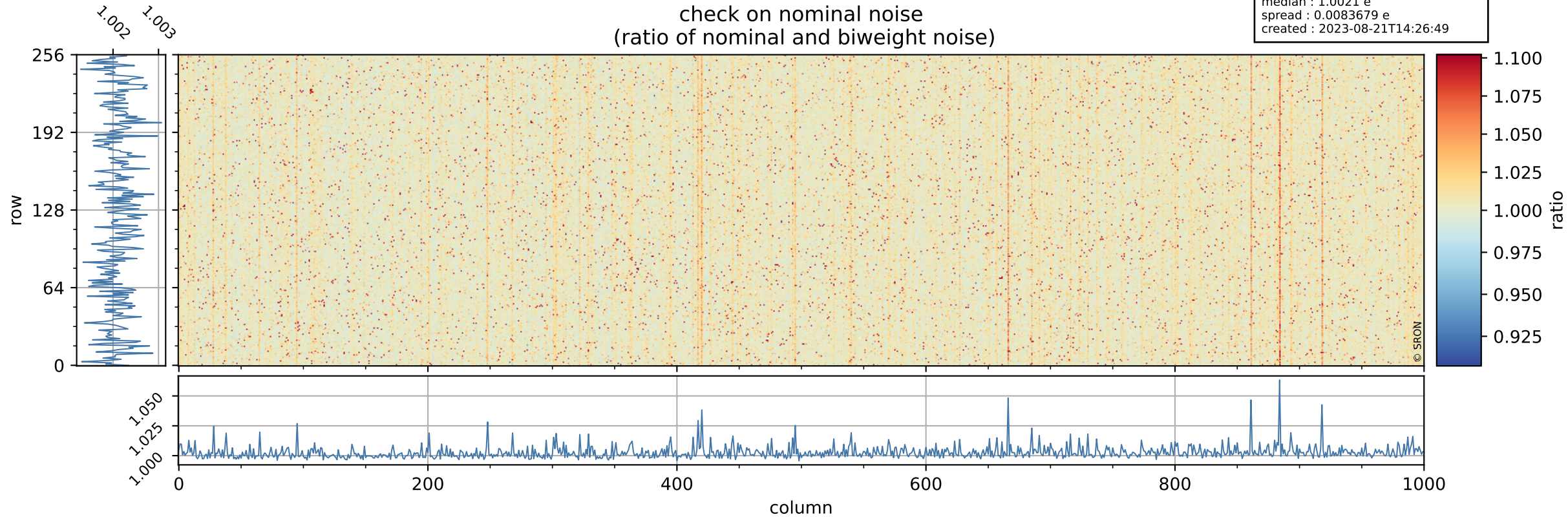
orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
median : 1 e  
spread : 0.010666 e  
created : 2023-08-21T14:26:49



# Tropomi SWIR background noise (swir)

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

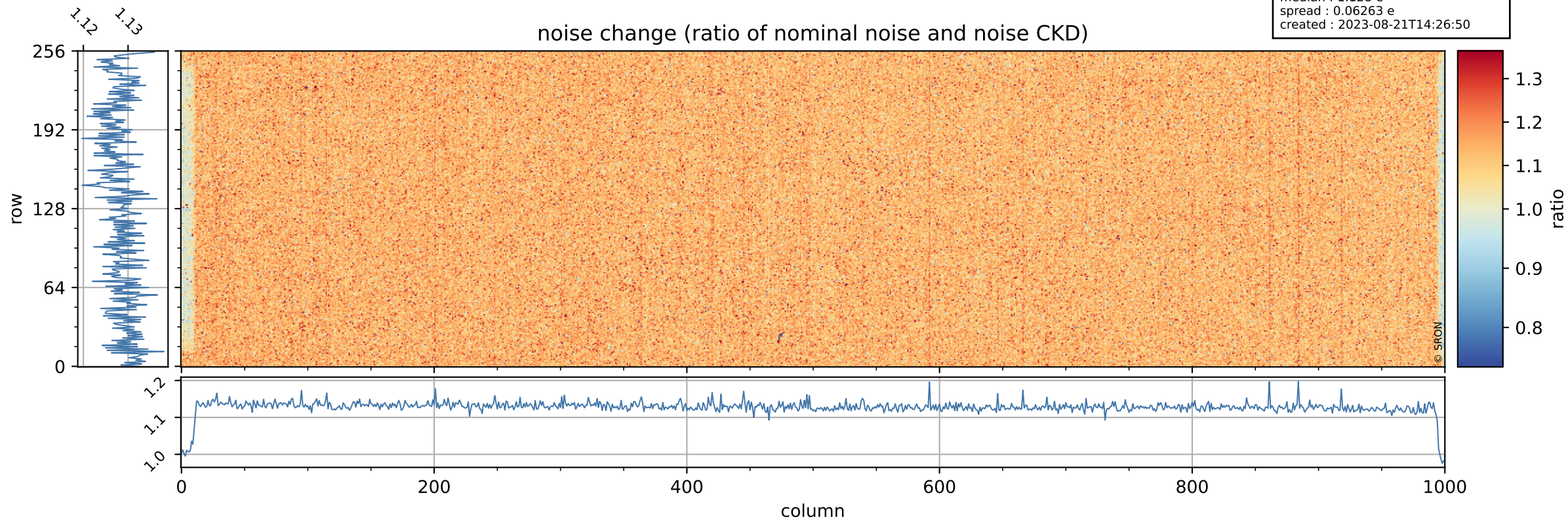
orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
median : 1.0021 e  
spread : 0.0083679 e  
created : 2023-08-21T14:26:49



# Tropomi SWIR background noise (swir)

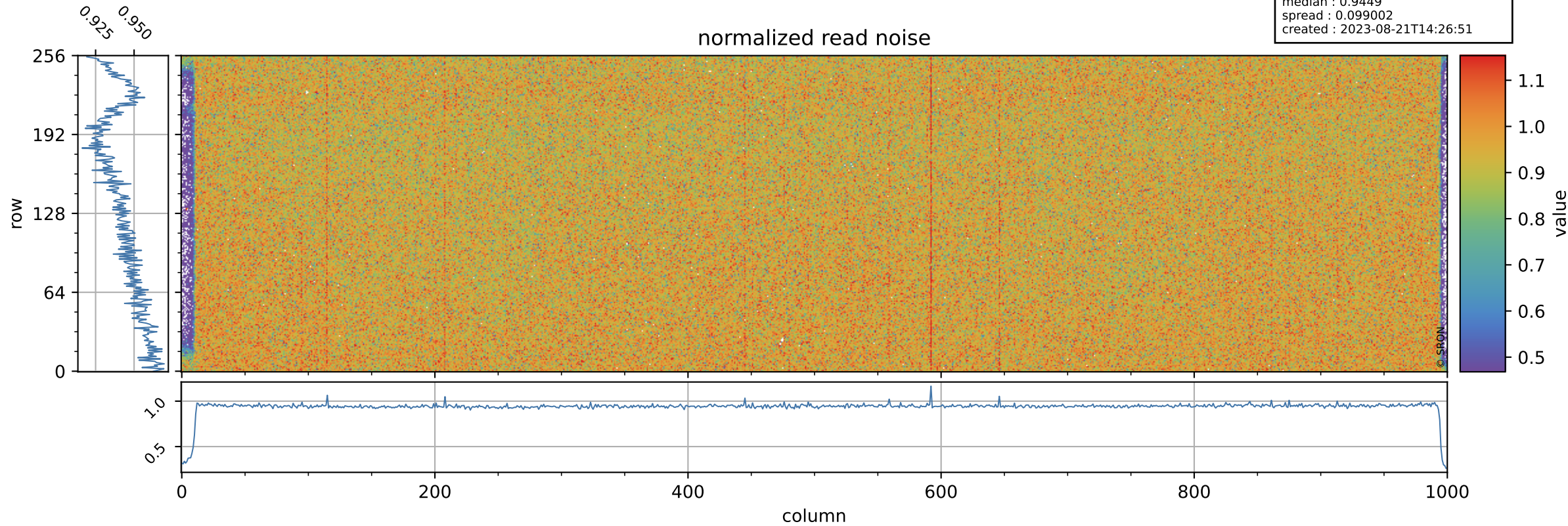
orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
median : 1.128 e  
spread : 0.06263 e  
created : 2023-08-21T14:26:50

noise change (ratio of nominal noise and noise CKD)



# Tropomi SWIR background noise (swir)

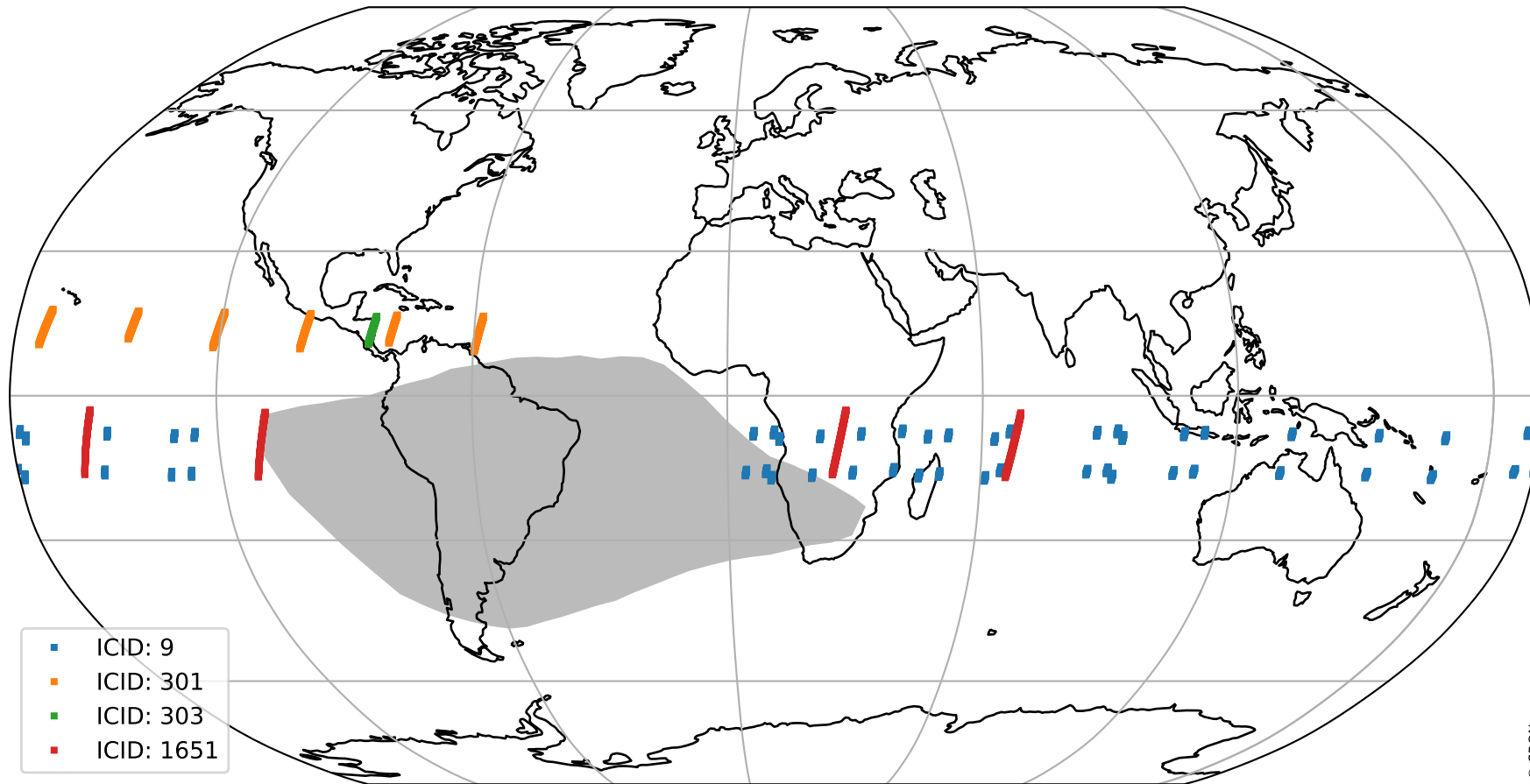
orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
median : 0.9449  
spread : 0.099002  
created : 2023-08-21T14:26:51





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

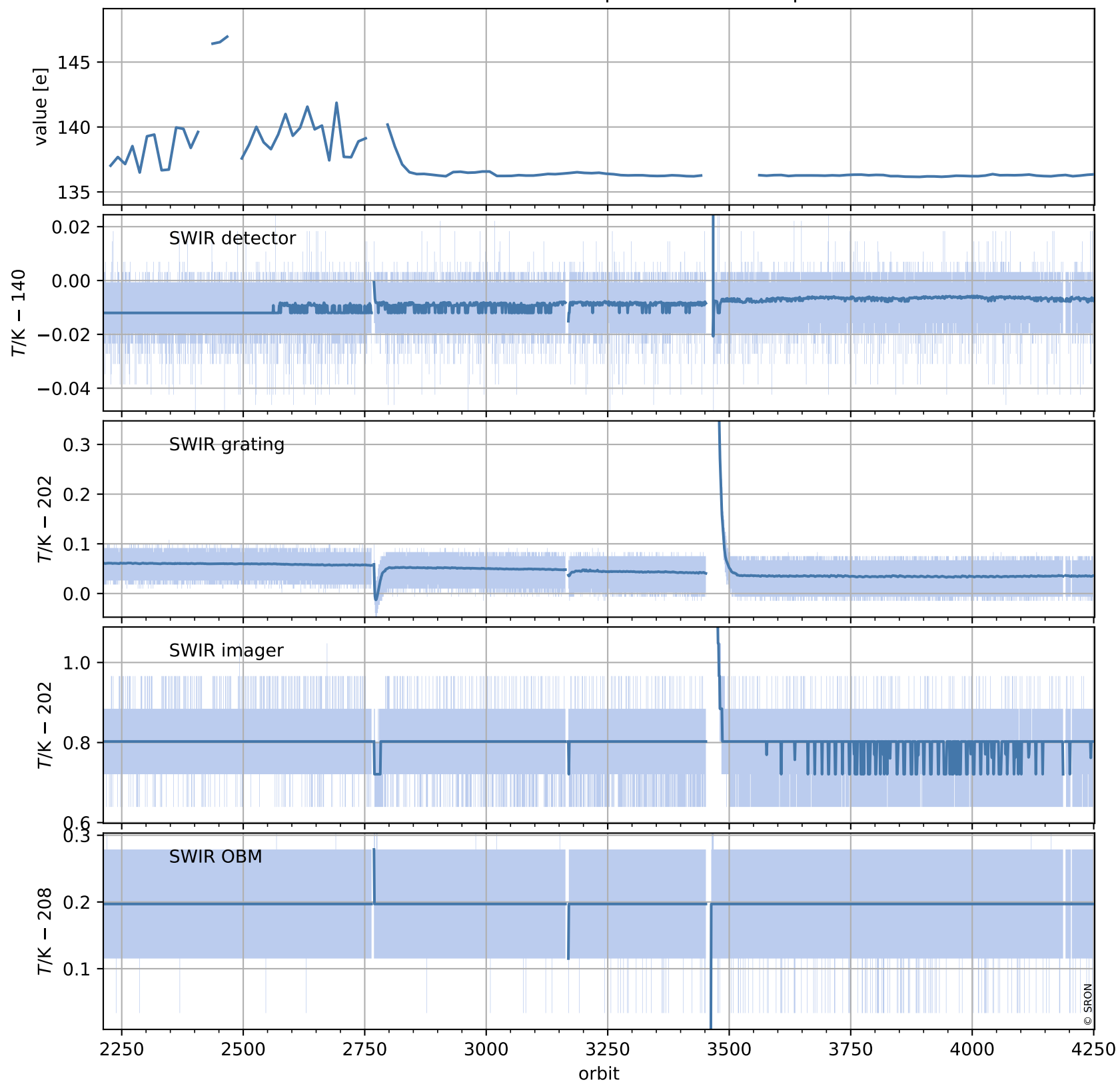
orbits : 11 in [4177, 4252]  
coverage : 2018-08-03 / 2018-08-08  
created : 2023-08-21T14:26:51



# Tropomi SWIR background noise (swir)

orbits : [2212, 4252]  
coverage : 2018-03-18 / 2018-08-08  
created : 2023-08-21T14:26:51

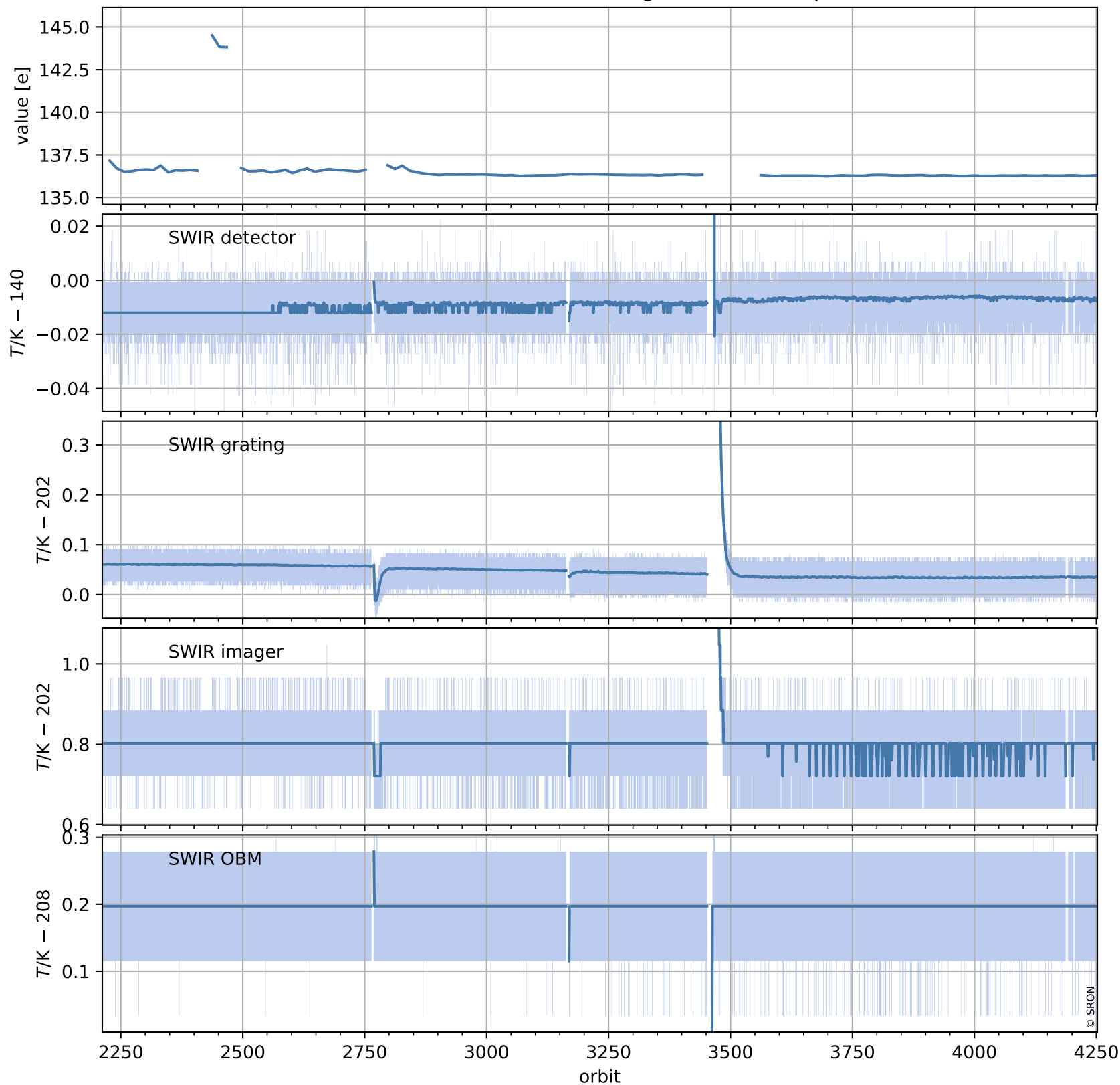
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4252]  
coverage : 2018-03-18 / 2018-08-08  
created : 2023-08-21T14:26:52

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4252]  
coverage : 2018-03-18 / 2018-08-08  
created : 2023-08-21T14:26:53

## trend of normalized read-noise & temperatures

