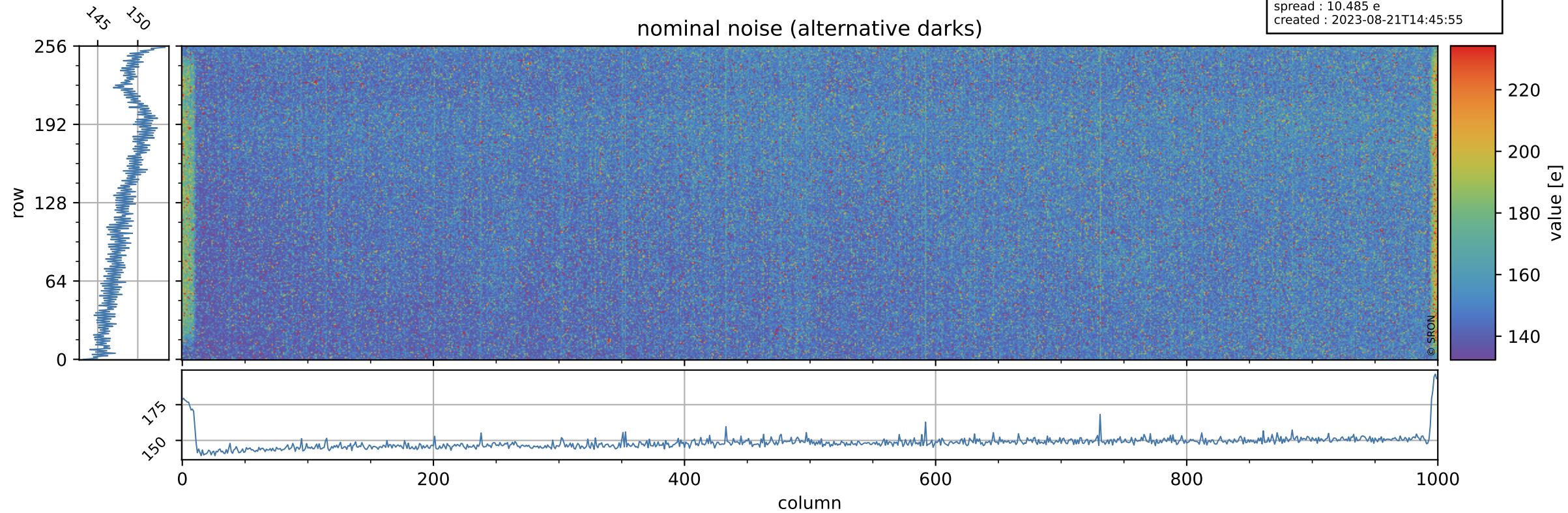


# Tropomi SWIR background noise (swir)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.33 e  
spread : 10.485 e  
created : 2023-08-21T14:45:55

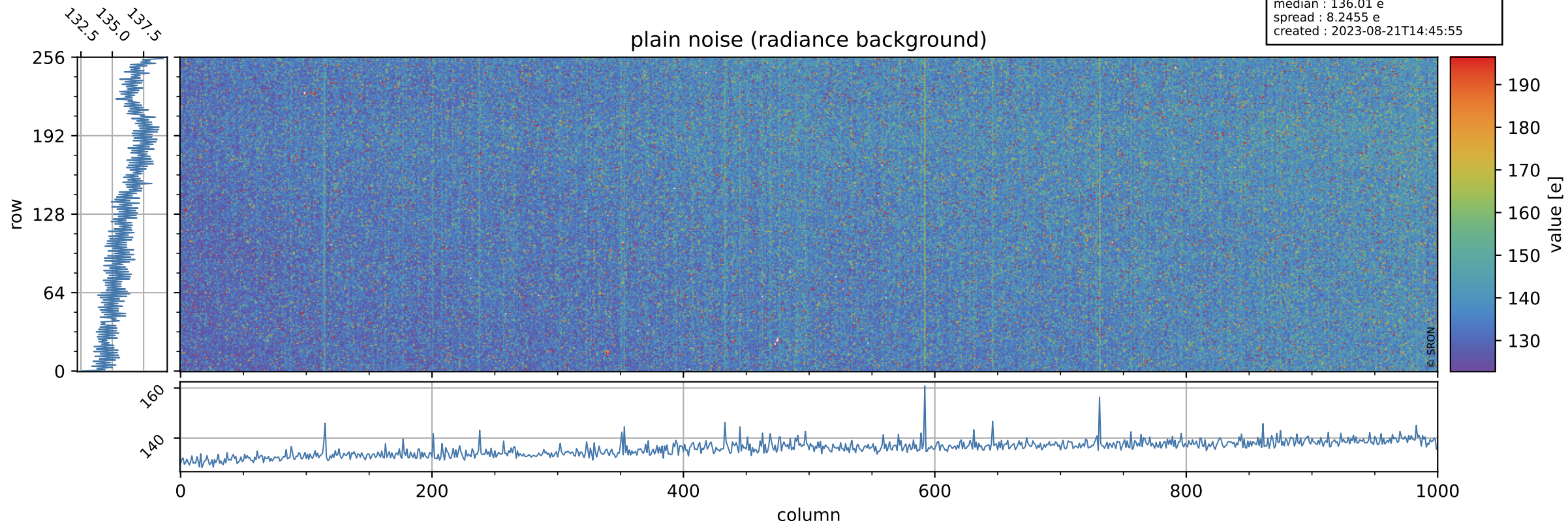
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.01 e  
spread : 8.2455 e  
created : 2023-08-21T14:45:55

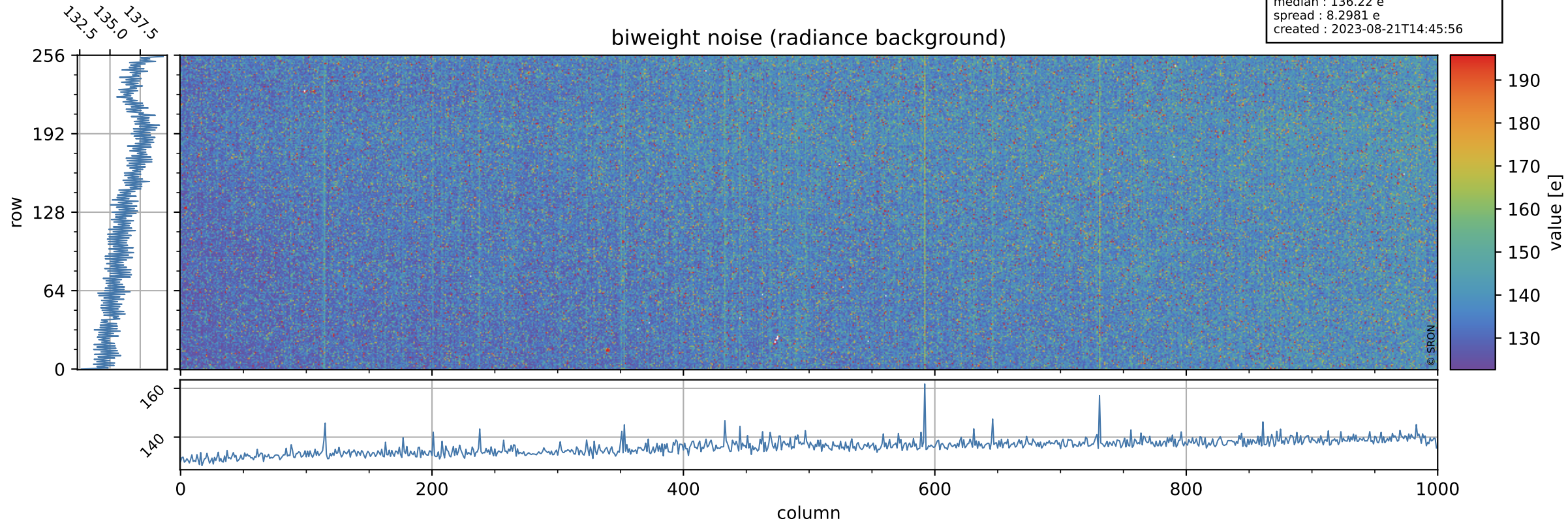
plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.22 e  
spread : 8.2981 e  
created : 2023-08-21T14:45:56

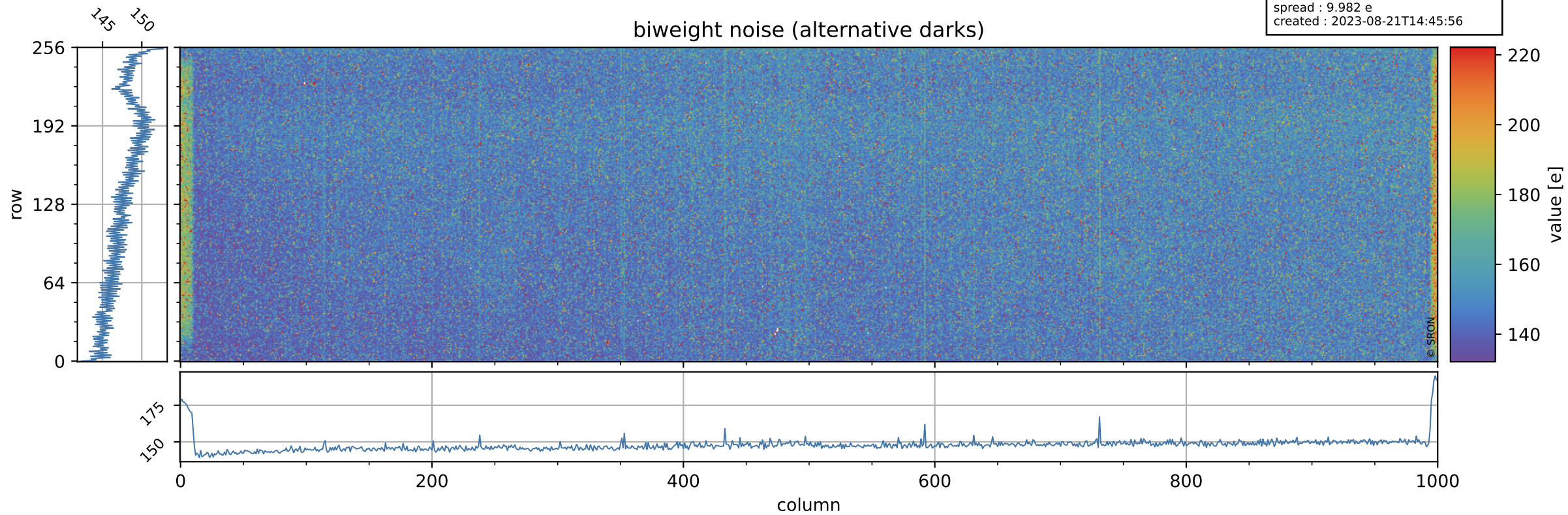
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.55 e  
spread : 9.982 e  
created : 2023-08-21T14:45:56

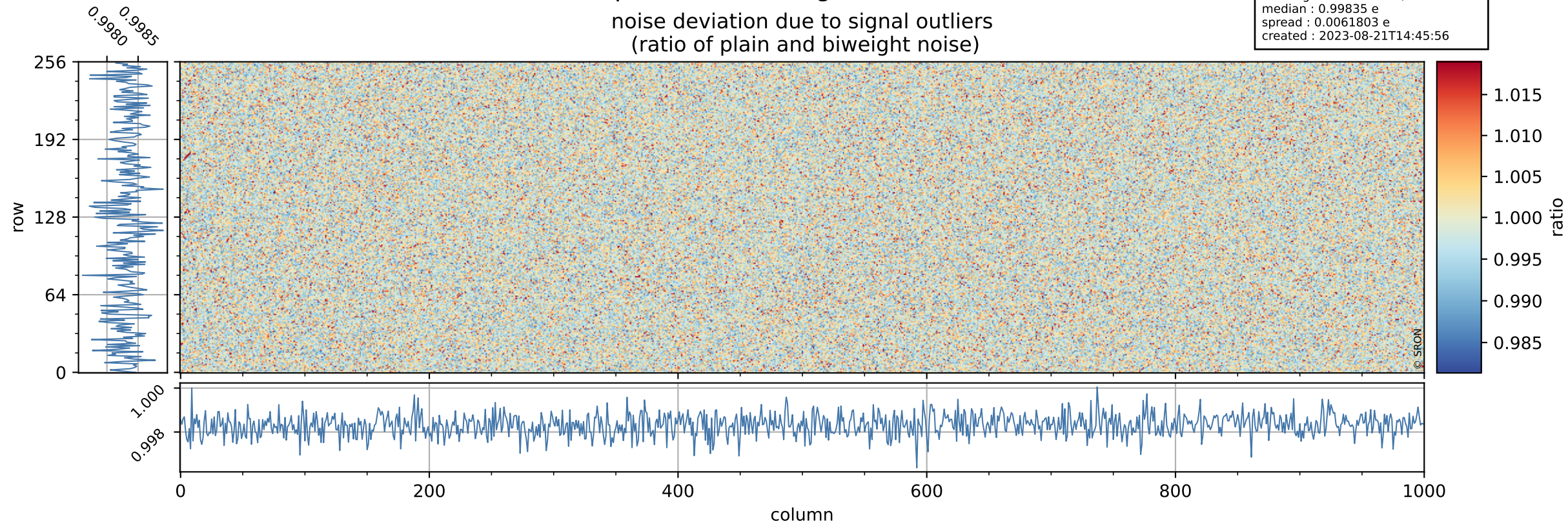
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

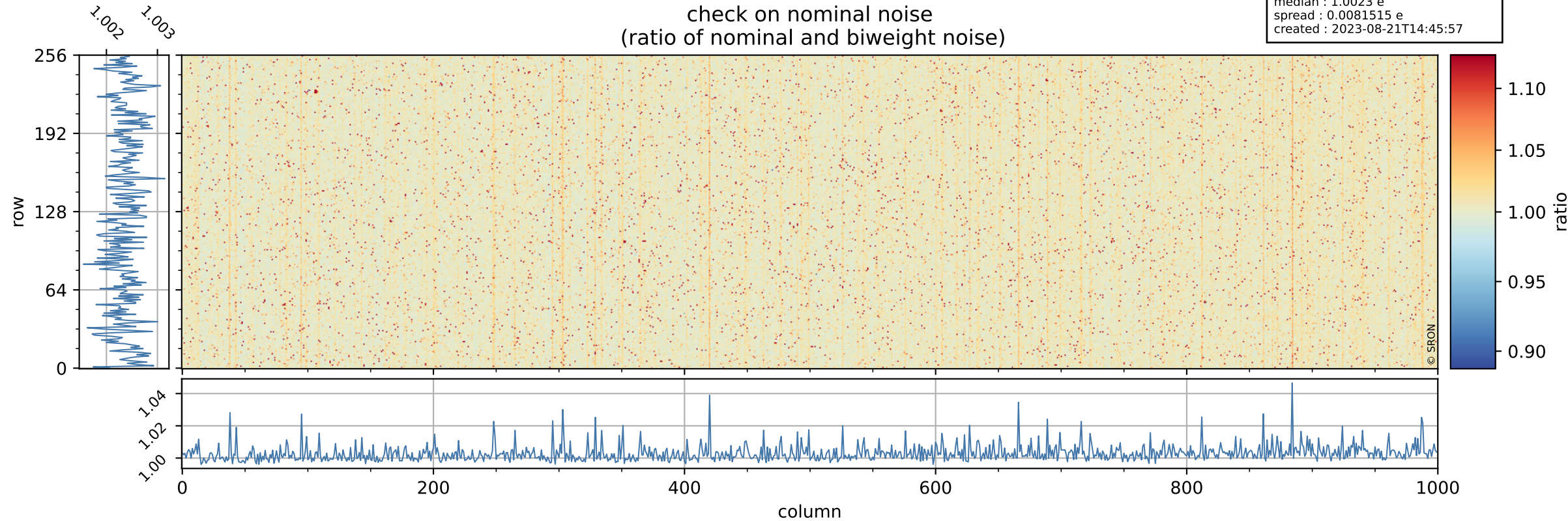
orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
median : 0.99835 e  
spread : 0.0061803 e  
created : 2023-08-21T14:45:56



# Tropomi SWIR background noise (swir)

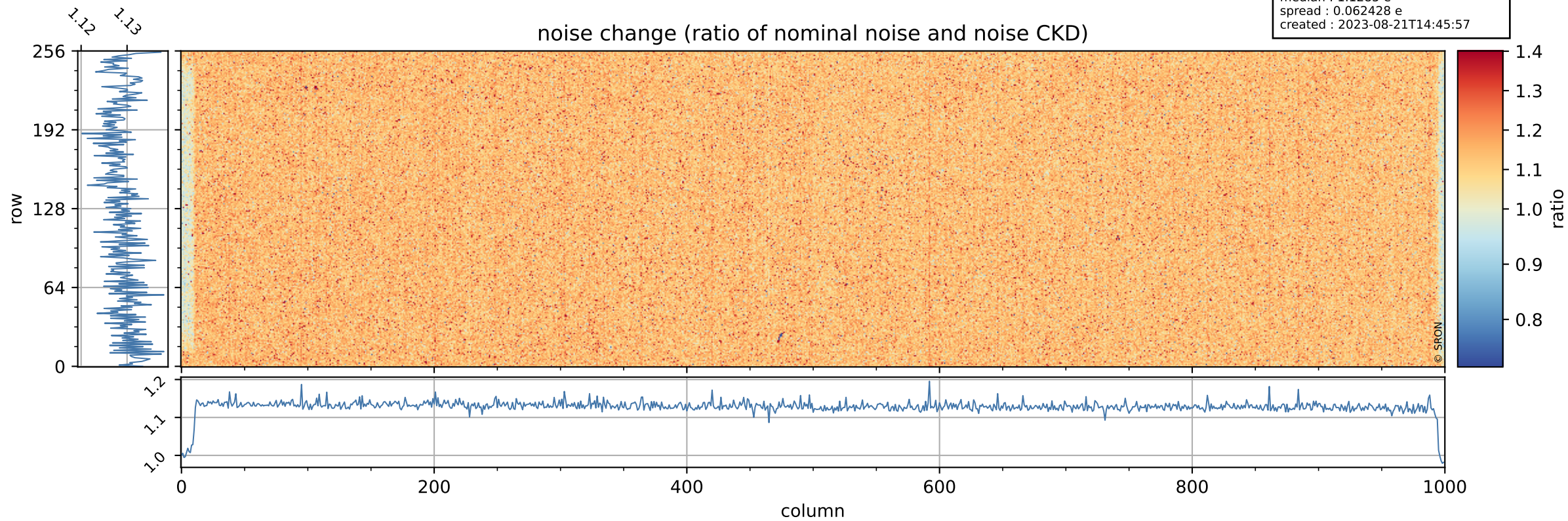
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
median : 1.0023 e  
spread : 0.0081515 e  
created : 2023-08-21T14:45:57



# Tropomi SWIR background noise (swir)

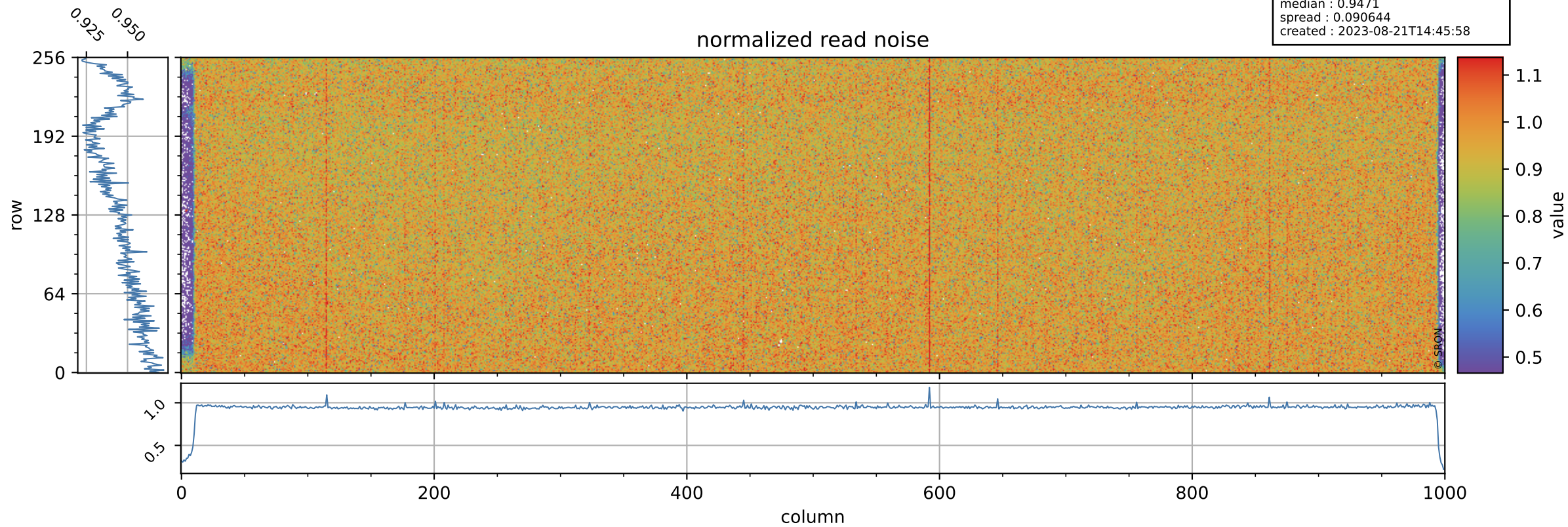
orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
median : 1.1285 e  
spread : 0.062428 e  
created : 2023-08-21T14:45:57



# Tropomi SWIR background noise (swir)

orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
median : 0.9471  
spread : 0.090644  
created : 2023-08-21T14:45:58

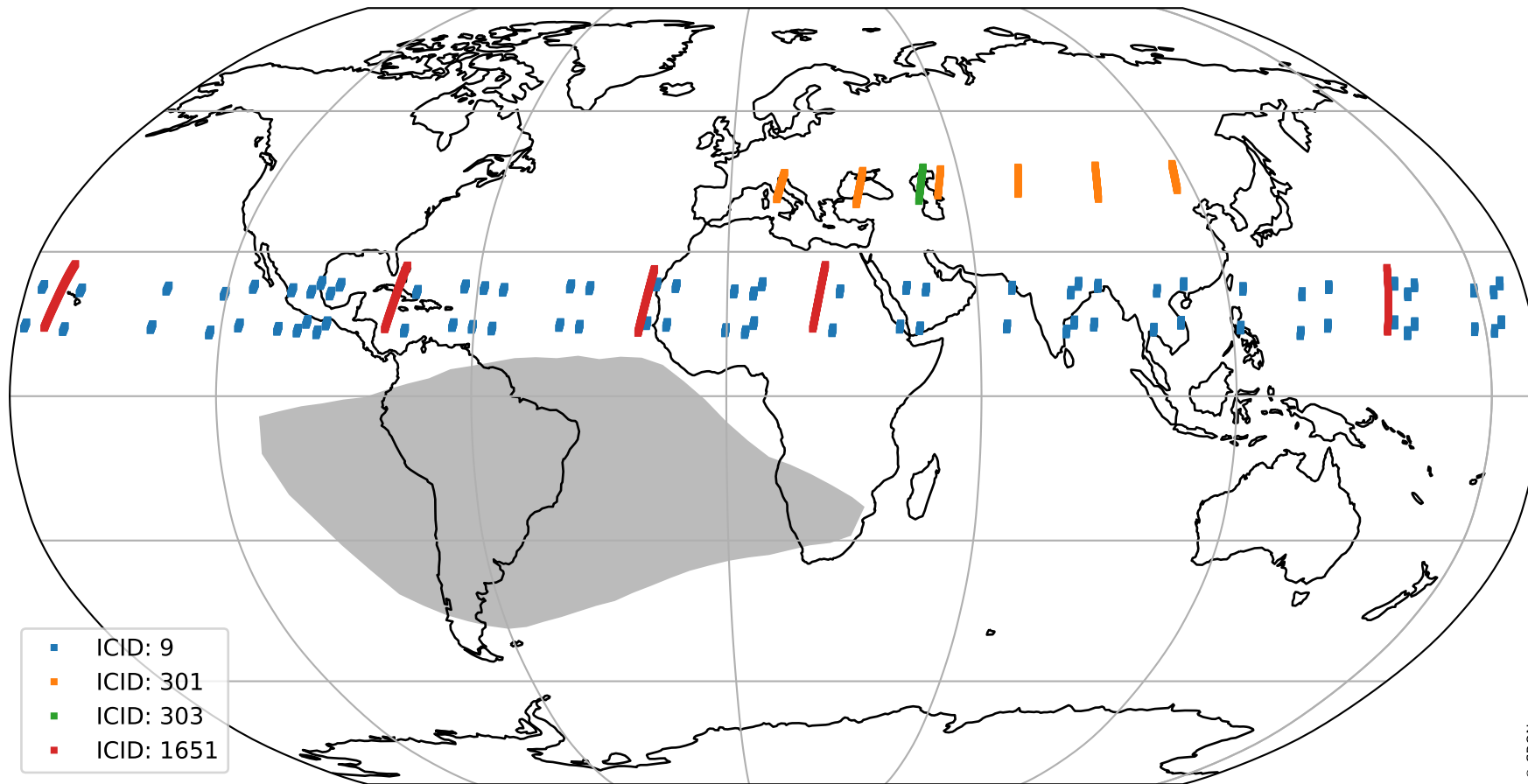
## normalized read noise





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

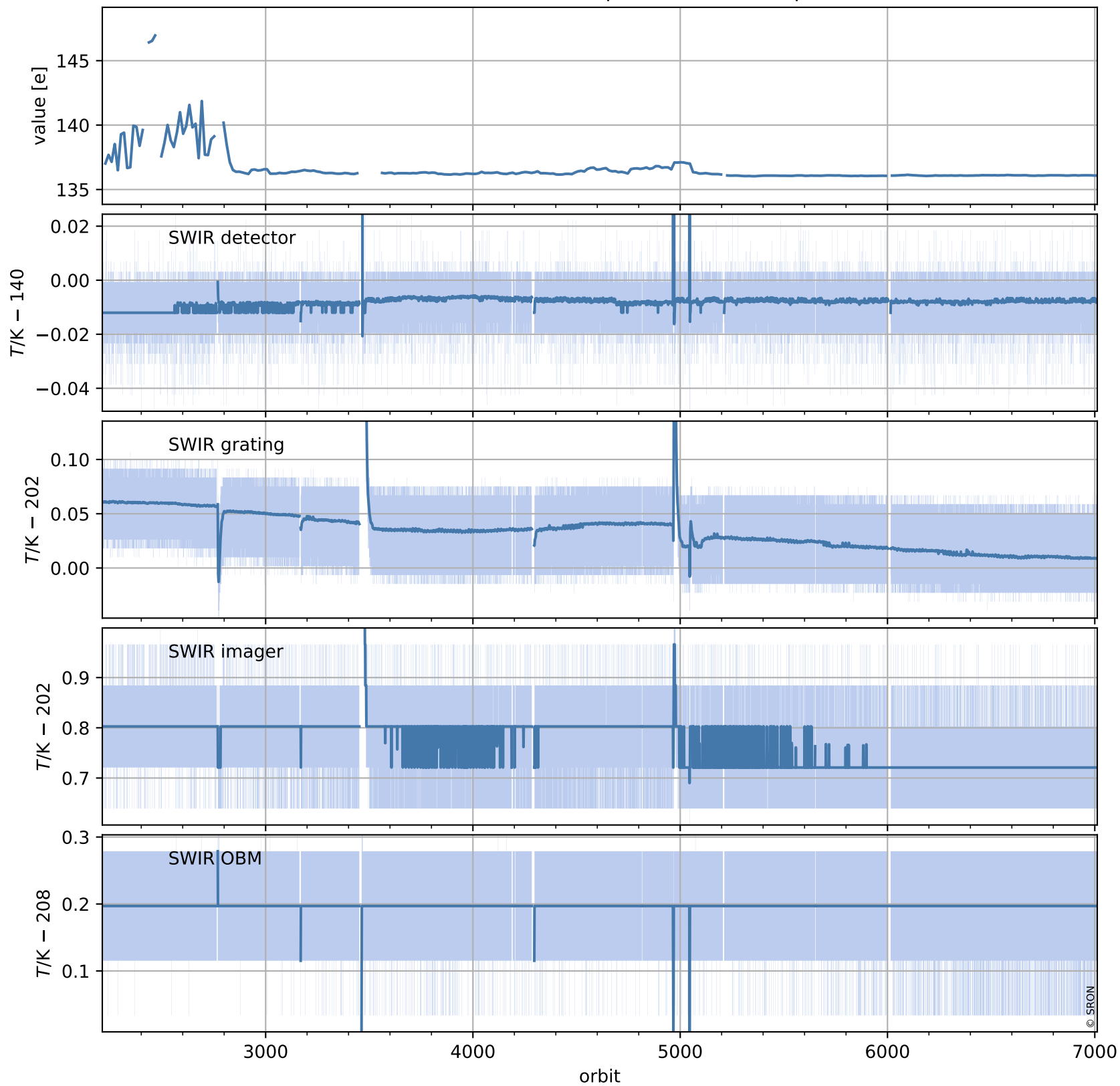
orbits : 12 in [6922, 7012]  
coverage : 2019-02-13 / 2019-02-19  
created : 2023-08-21T14:45:58



# Tropomi SWIR background noise (swir)

orbits : [2212, 7012]  
coverage : 2018-03-18 / 2019-02-19  
created : 2023-08-21T14:45:58

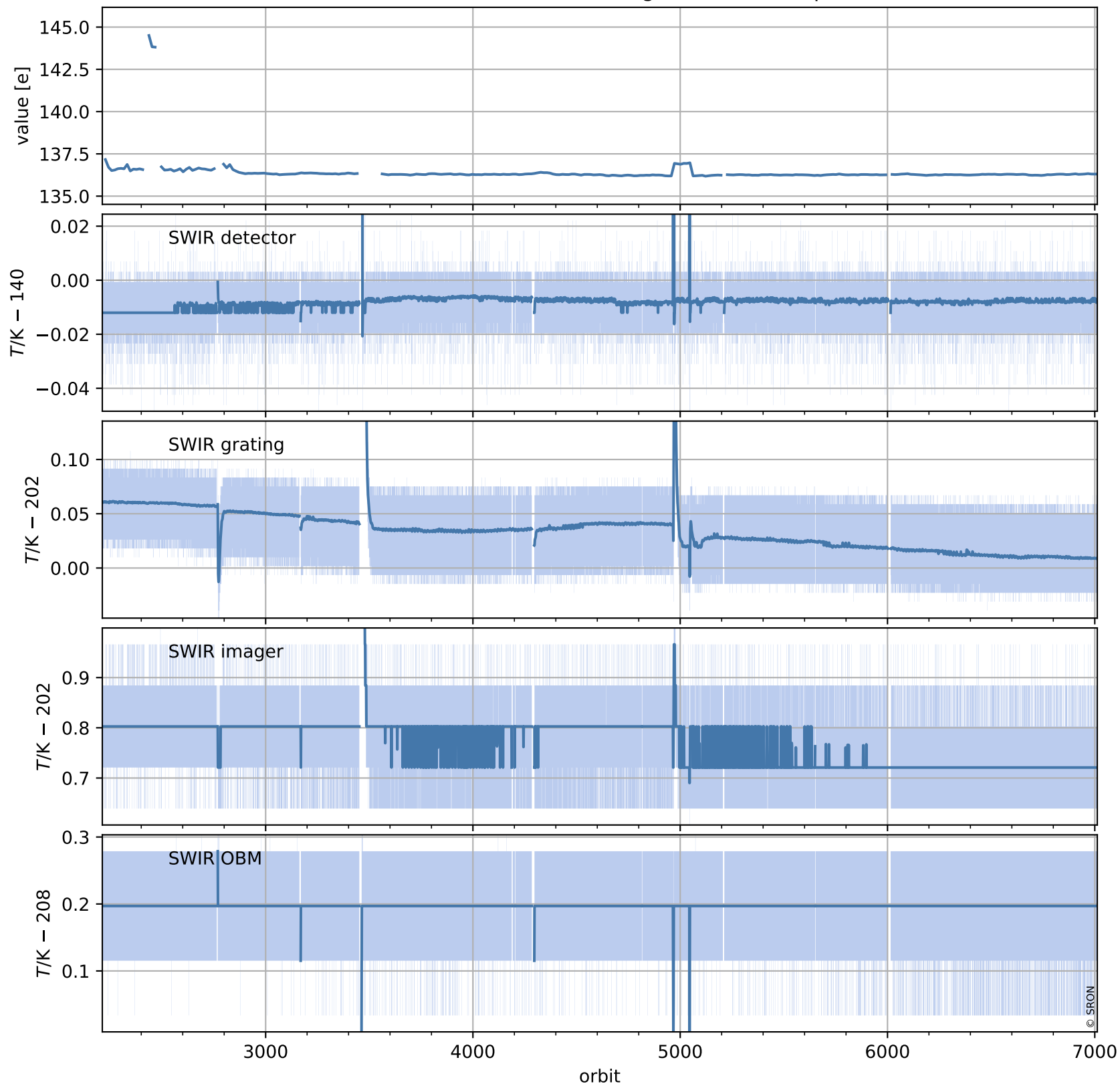
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7012]  
coverage : 2018-03-18 / 2019-02-19  
created : 2023-08-21T14:45:59

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 7012]  
coverage : 2018-03-18 / 2019-02-19  
created : 2023-08-21T14:46:00

## trend of normalized read-noise & temperatures

