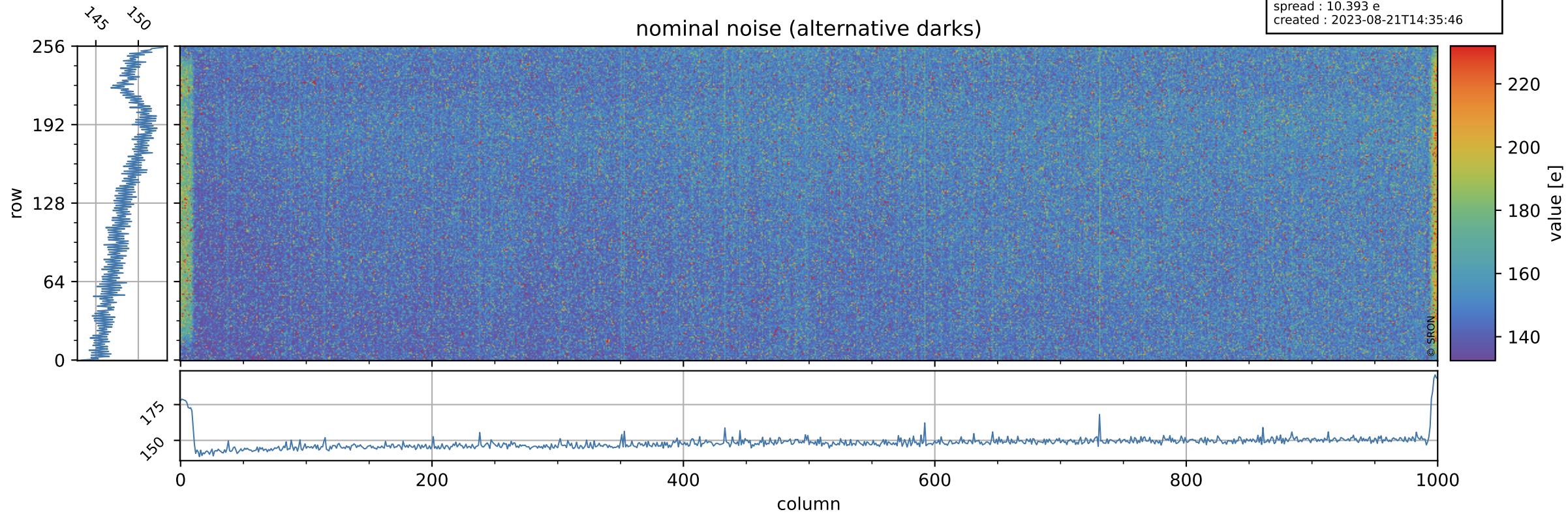


# Tropomi SWIR background noise (swir)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
n\_coad, t\_exp : 1, 1.0783  
median : 148.28 e  
spread : 10.393 e  
created : 2023-08-21T14:35:46

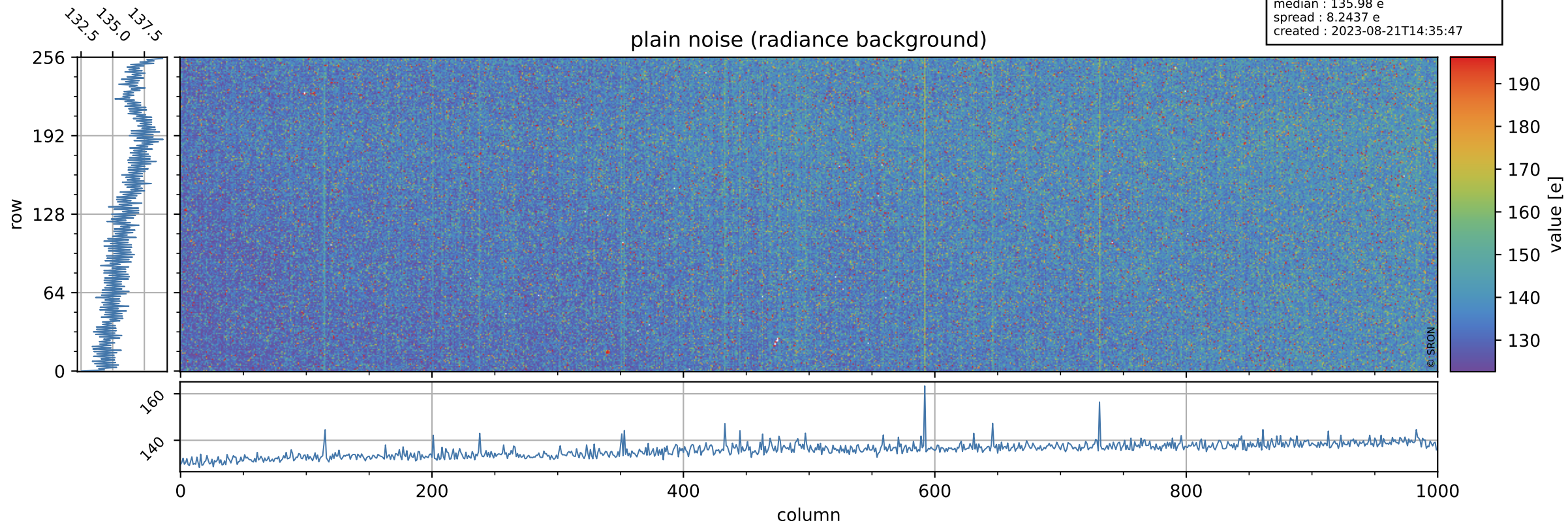
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
n\_coad, t\_exp : 2, 0.5383  
median : 135.98 e  
spread : 8.2437 e  
created : 2023-08-21T14:35:47

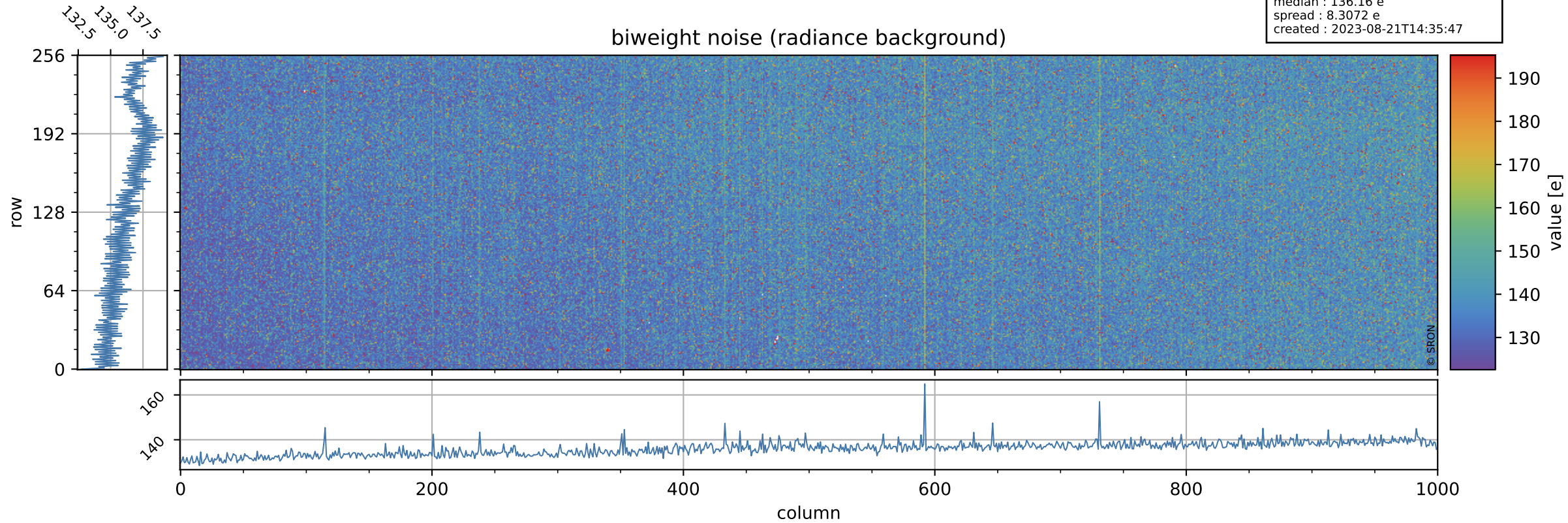
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
n\_coad, t\_exp : 2, 0.5383  
median : 136.16 e  
spread : 8.3072 e  
created : 2023-08-21T14:35:47

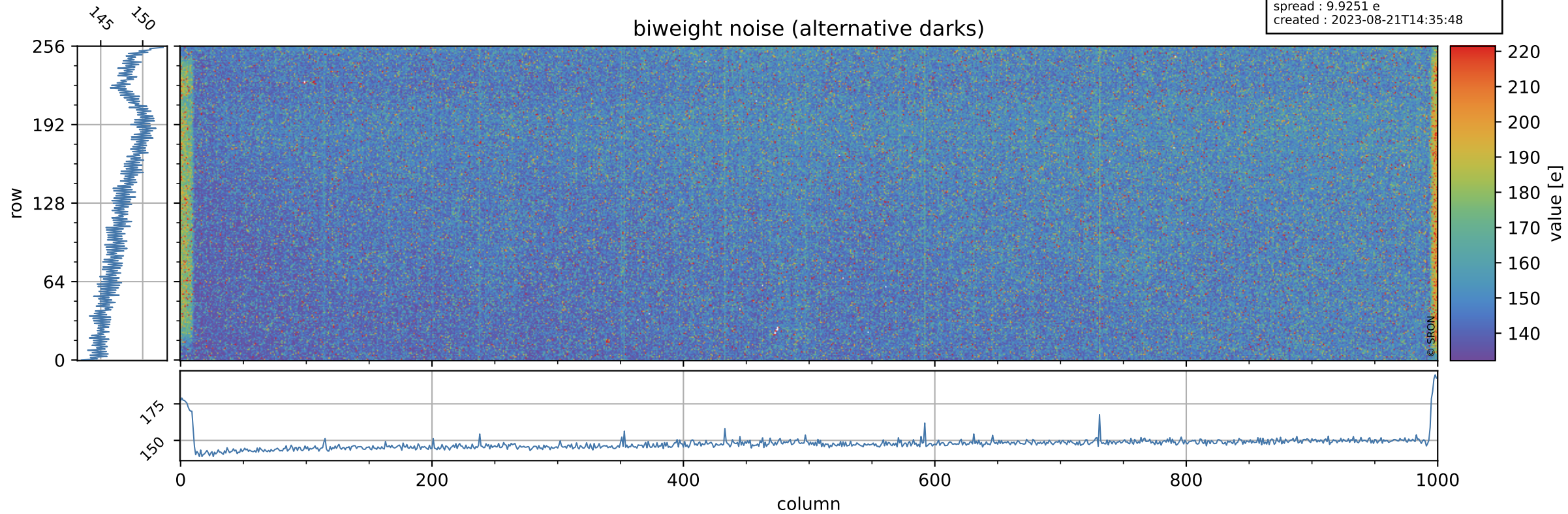
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
n\_coad, t\_exp : 1, 1.0783  
median : 147.54 e  
spread : 9.9251 e  
created : 2023-08-21T14:35:48

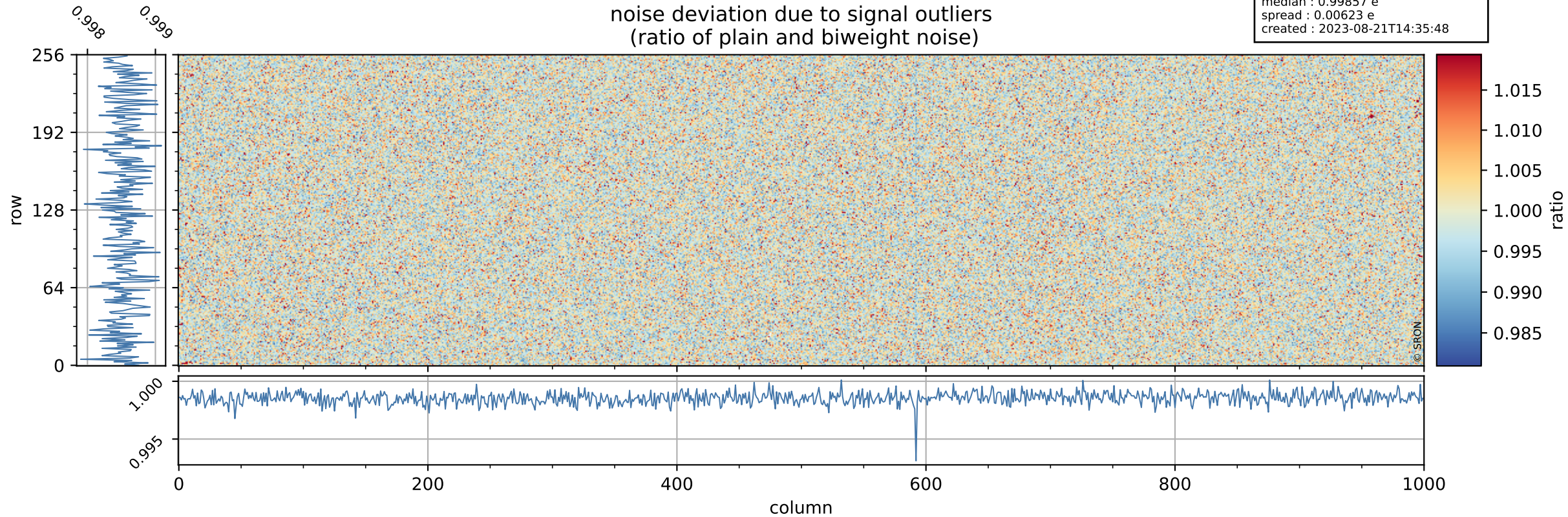
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

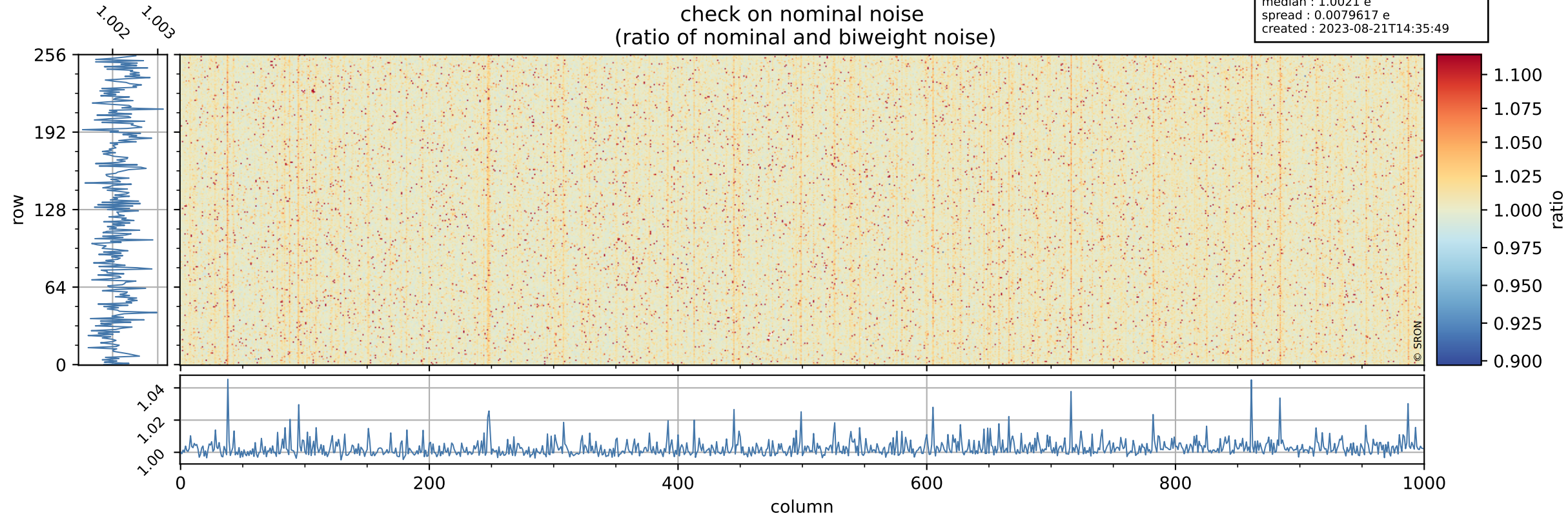
orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
median : 0.99857 e  
spread : 0.00623 e  
created : 2023-08-21T14:35:48



# Tropomi SWIR background noise (swir)

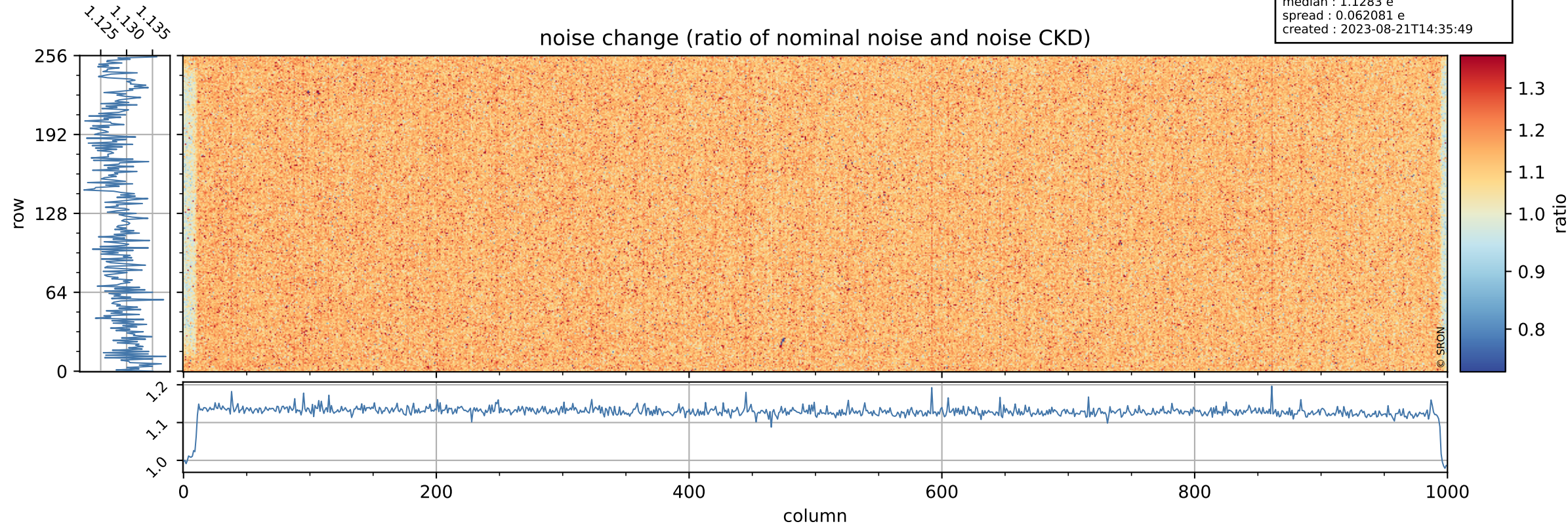
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
median : 1.0021 e  
spread : 0.0079617 e  
created : 2023-08-21T14:35:49



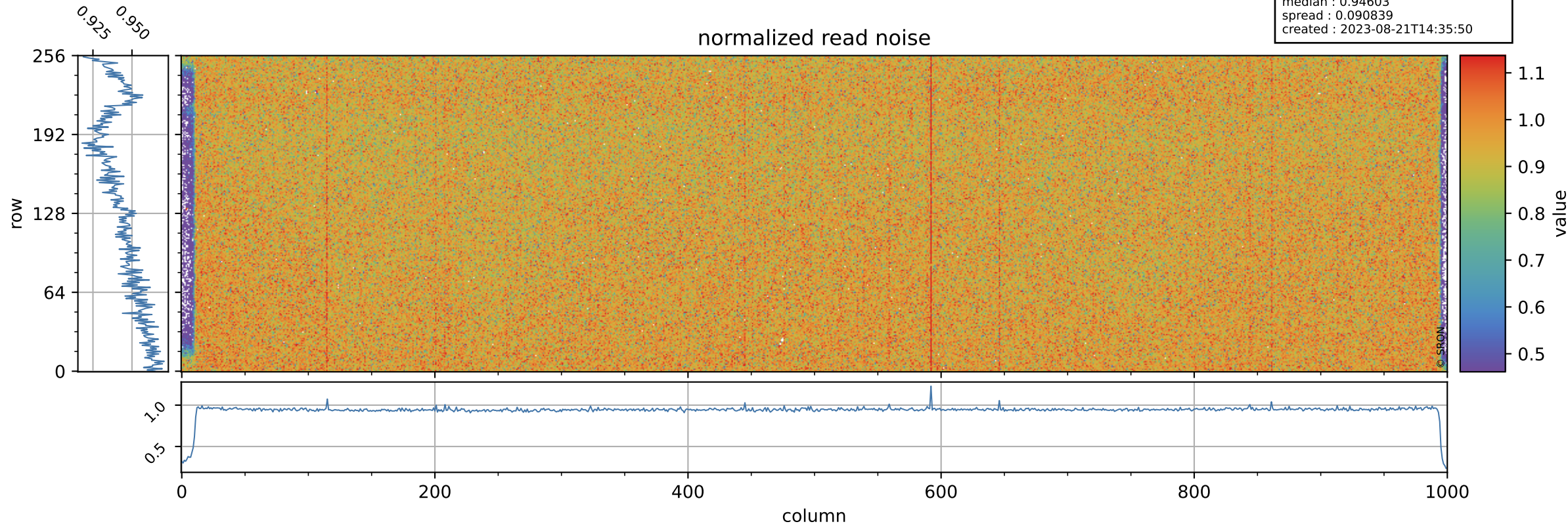
# Tropomi SWIR background noise (swir)

orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
median : 1.1283 e  
spread : 0.062081 e  
created : 2023-08-21T14:35:49



# Tropomi SWIR background noise (swir)

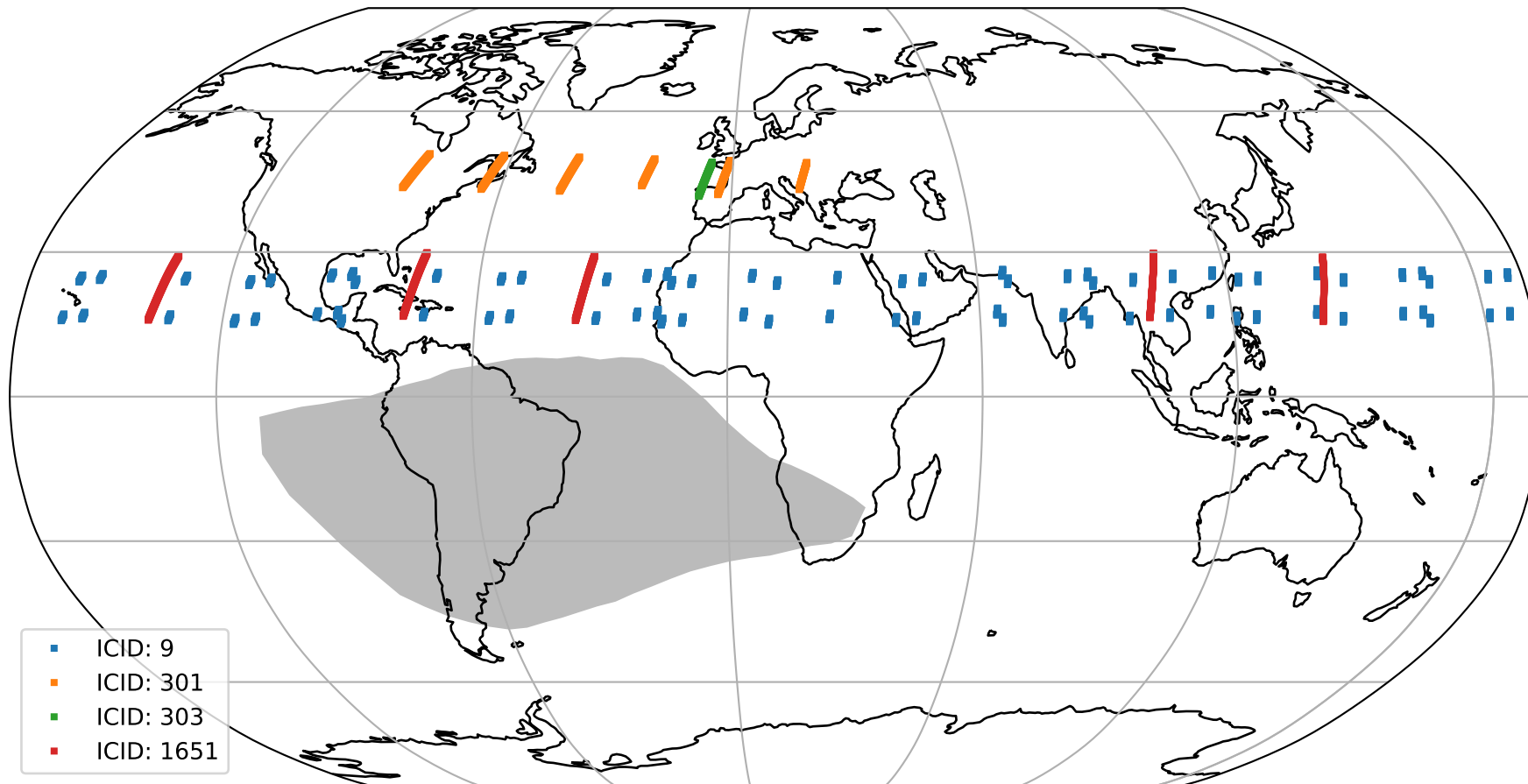
orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
median : 0.94603  
spread : 0.090839  
created : 2023-08-21T14:35:50





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

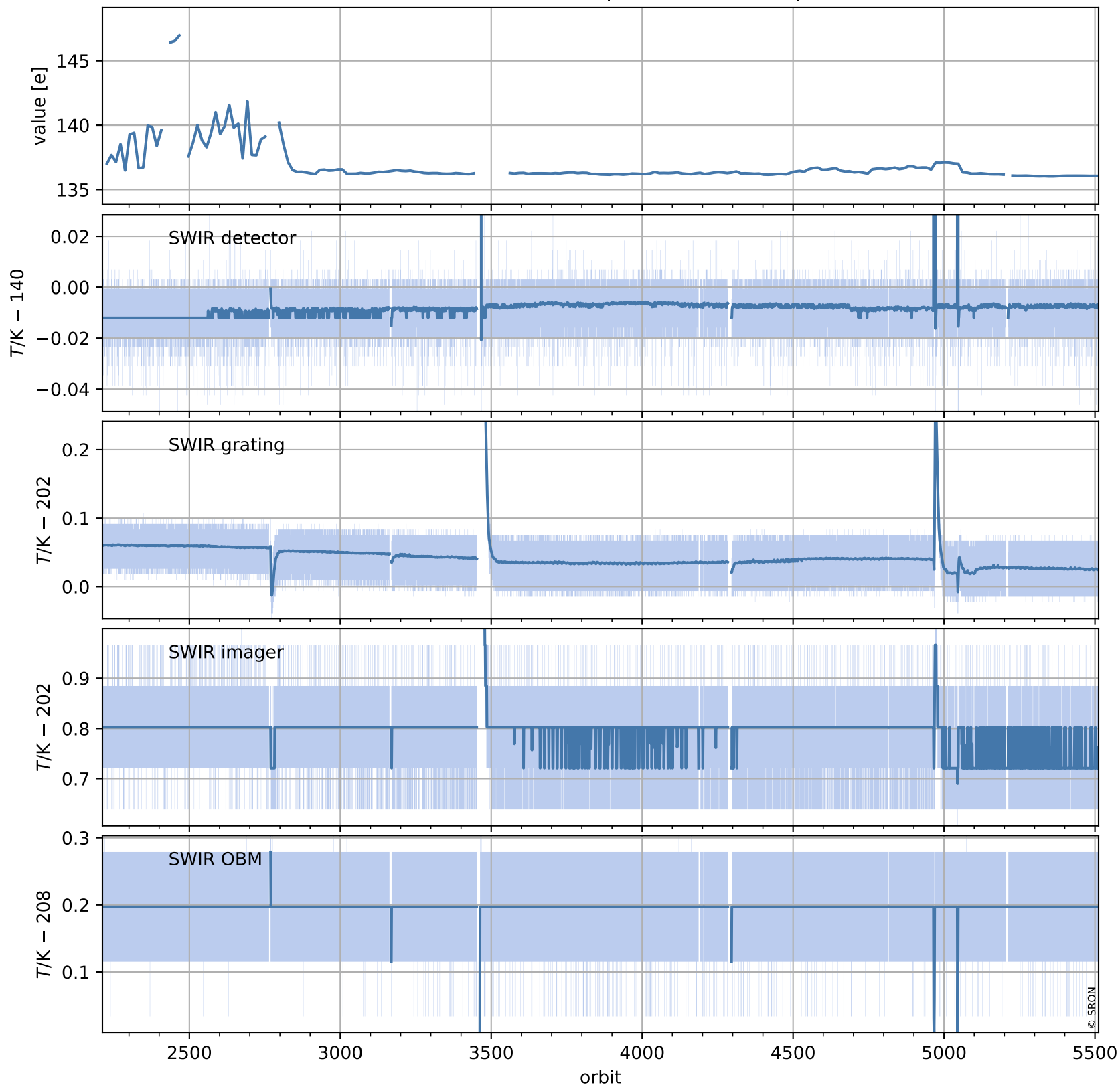
orbits : 12 in [5437, 5512]  
coverage : 2018-10-30 / 2018-11-05  
created : 2023-08-21T14:35:50



# Tropomi SWIR background noise (swir)

orbits : [2212, 5512]  
coverage : 2018-03-18 / 2018-11-05  
created : 2023-08-21T14:35:51

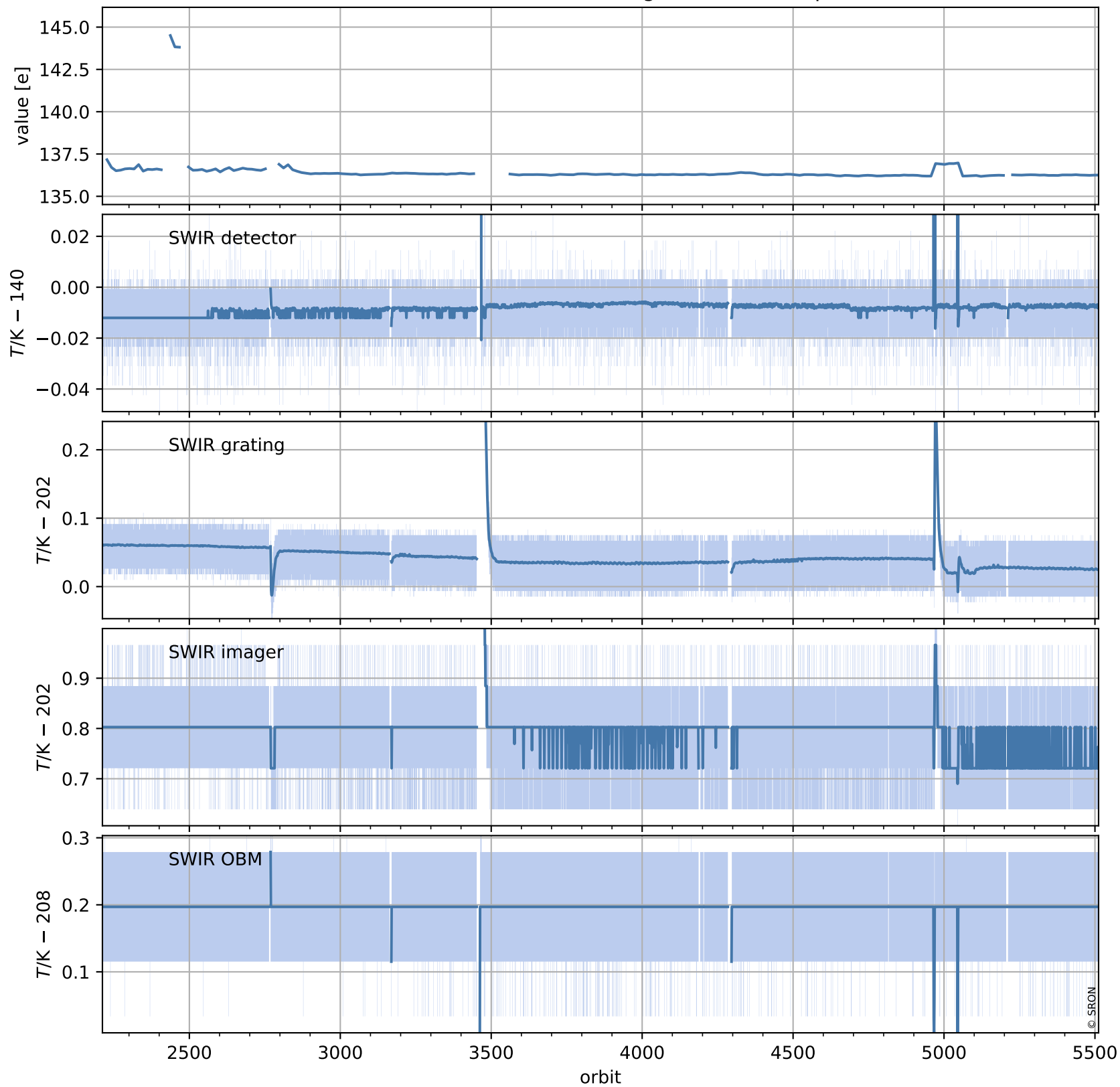
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5512]  
coverage : 2018-03-18 / 2018-11-05  
created : 2023-08-21T14:35:51

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 5512]  
coverage : 2018-03-18 / 2018-11-05  
created : 2023-08-21T14:35:52

## trend of normalized read-noise & temperatures

