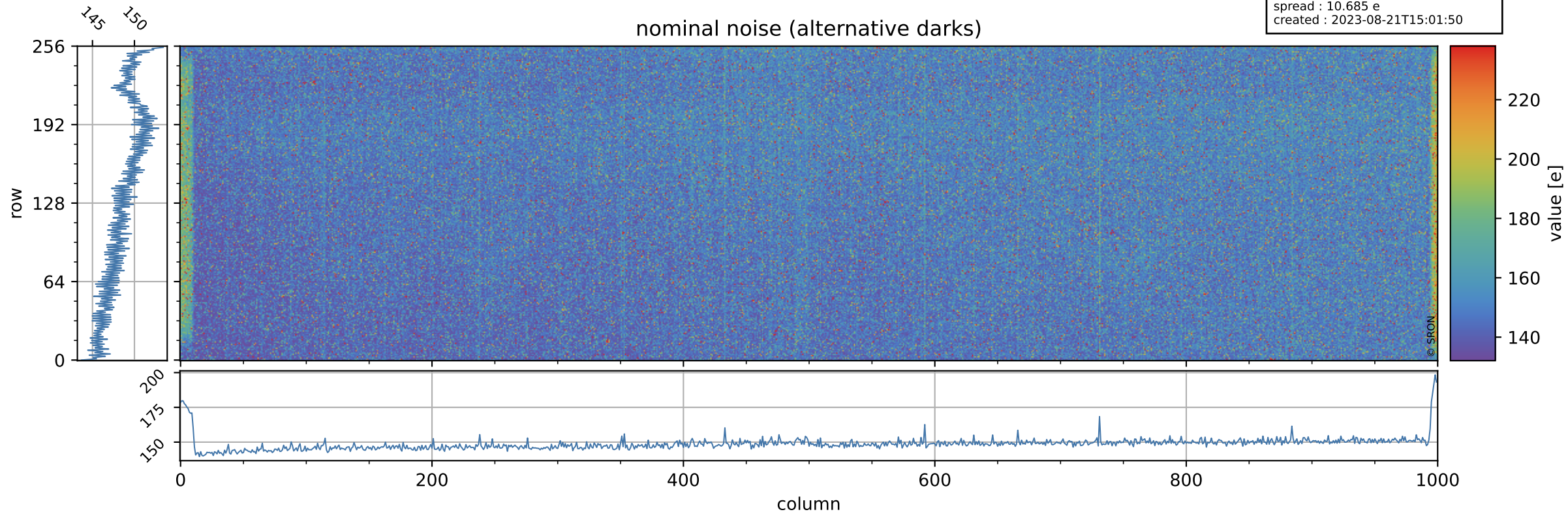


# Tropomi SWIR background noise (swir)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
n\_coad, t\_exp : 1, 1.0783  
median : 148.55 e  
spread : 10.685 e  
created : 2023-08-21T15:01:50

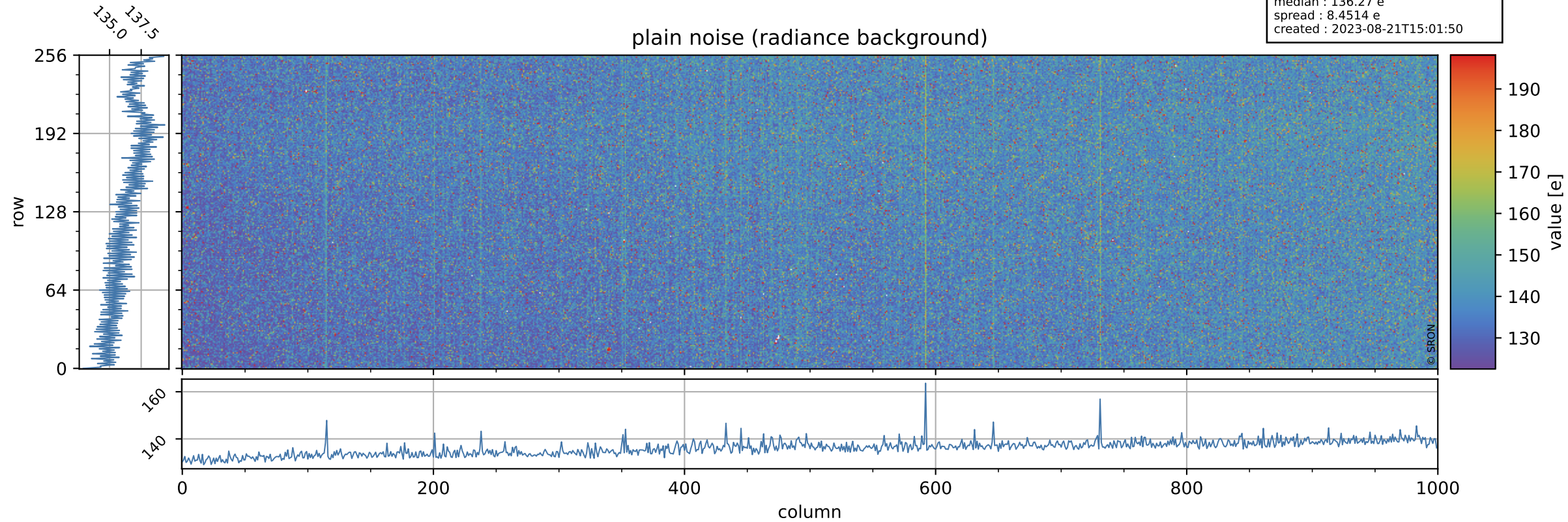
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.27 e  
spread : 8.4514 e  
created : 2023-08-21T15:01:50

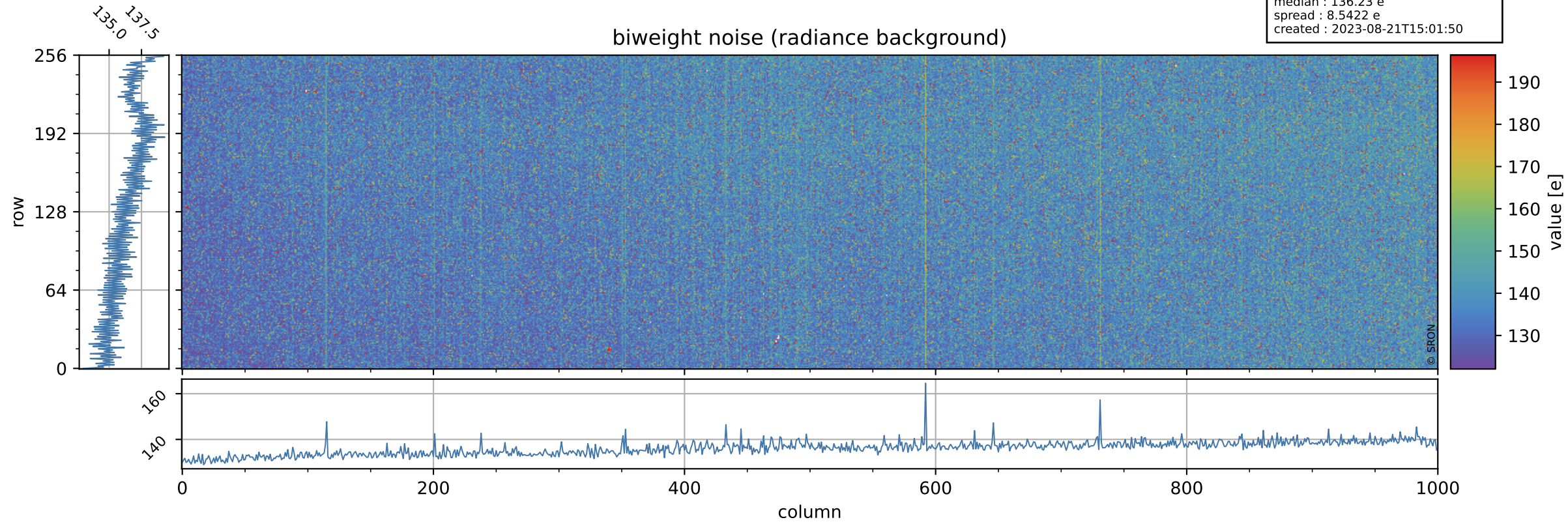
## plain noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
n\_coad, t\_exp : 2, 0.5383  
median : 136.23 e  
spread : 8.5422 e  
created : 2023-08-21T15:01:50

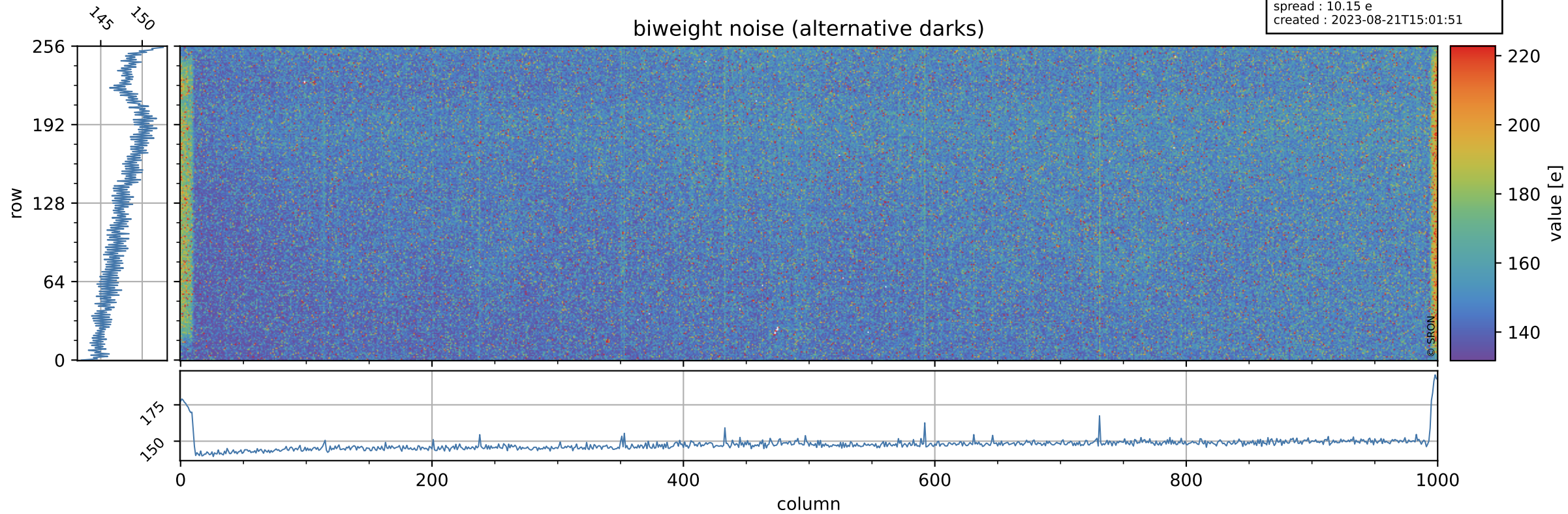
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
n\_coad, t\_exp : 1, 1.0783  
median : 147.56 e  
spread : 10.15 e  
created : 2023-08-21T15:01:51

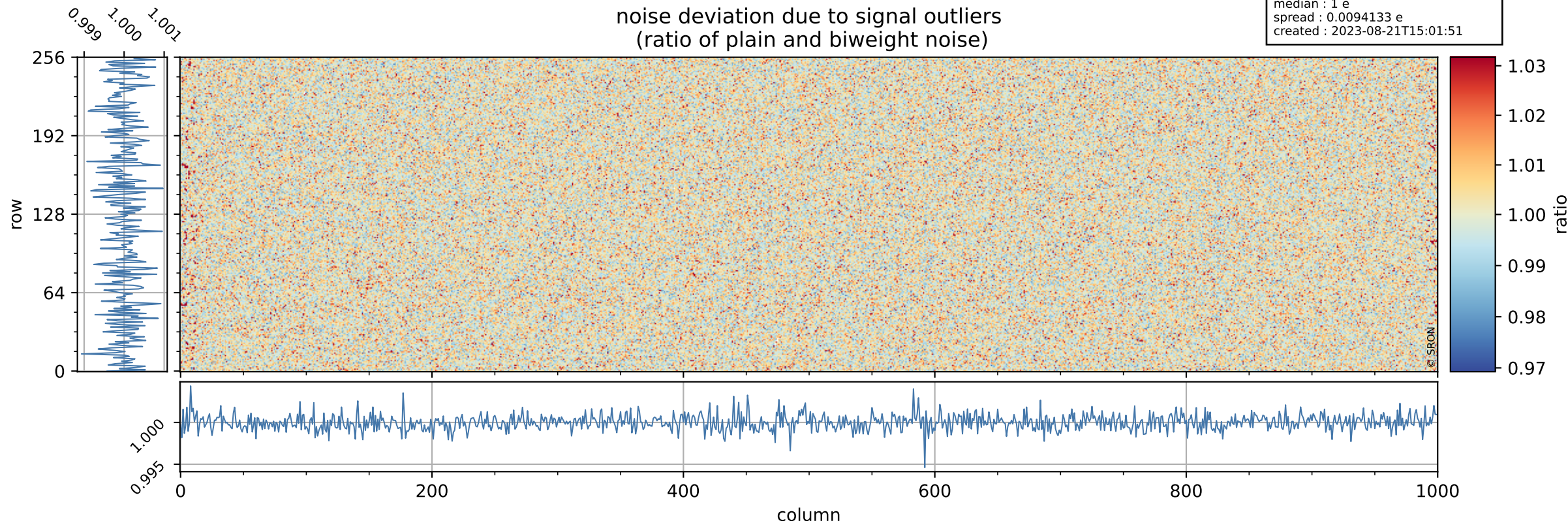
## biweight noise (alternative darks)



# Tropomi SWIR background noise (swir)

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

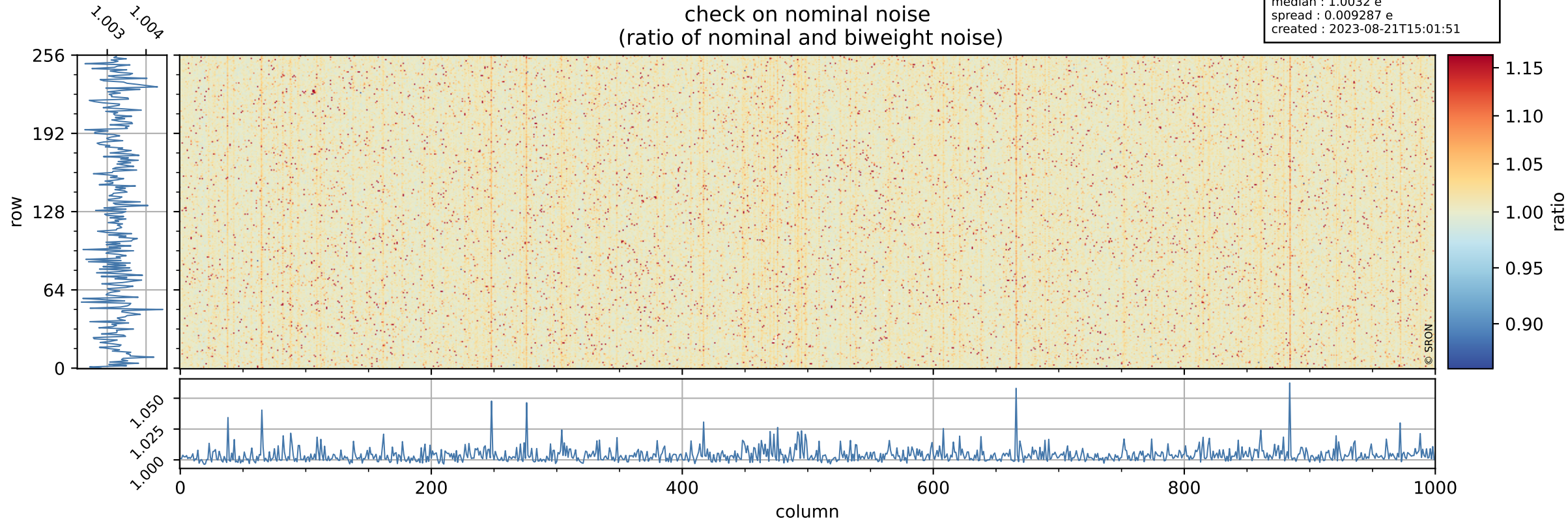
orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
median : 1 e  
spread : 0.0094133 e  
created : 2023-08-21T15:01:51



# Tropomi SWIR background noise (swir)

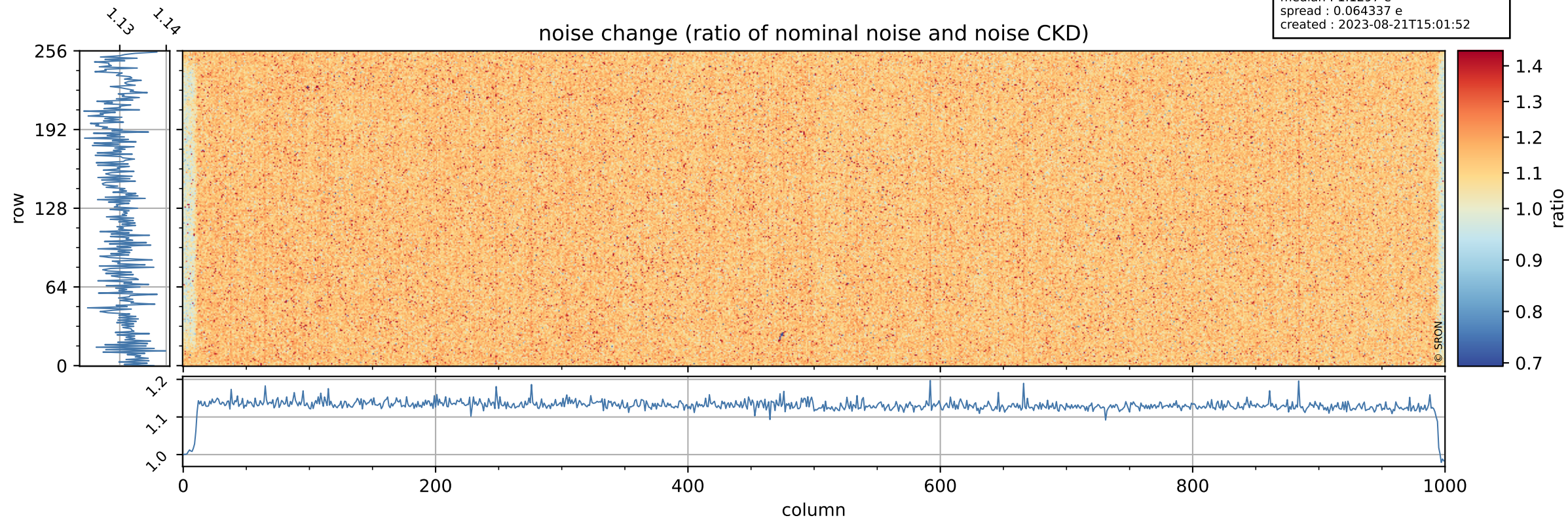
check on nominal noise  
(ratio of nominal and biweight noise)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
median : 1.0032 e  
spread : 0.009287 e  
created : 2023-08-21T15:01:51



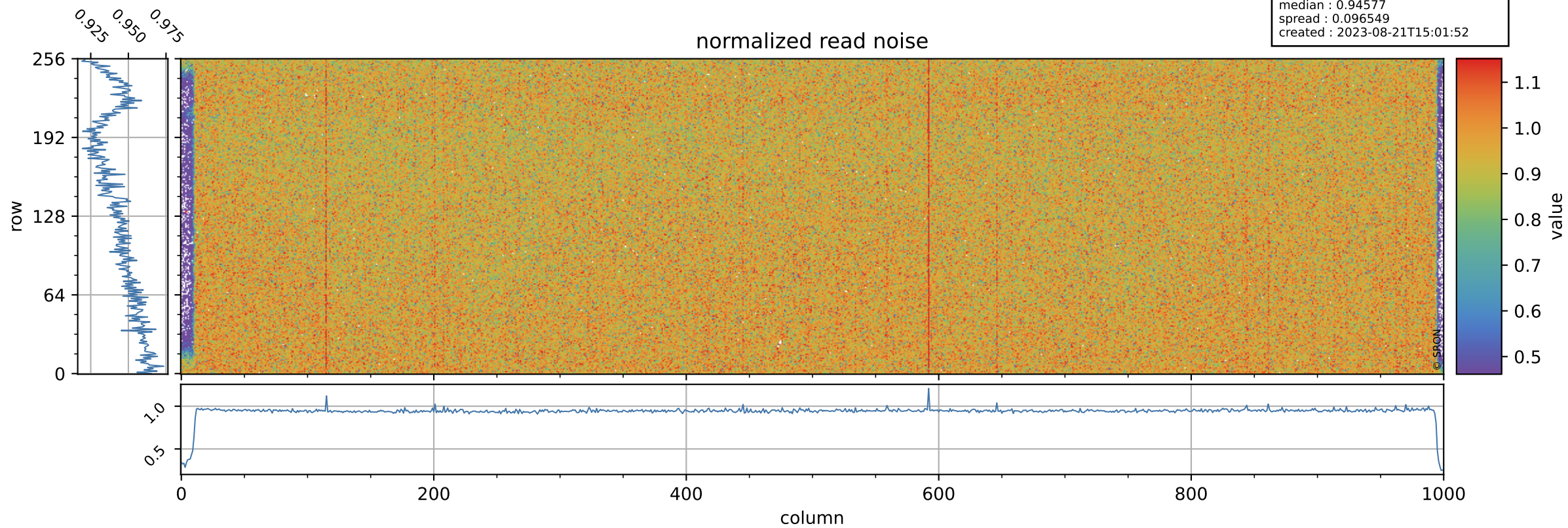
# Tropomi SWIR background noise (swir)

orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
median : 1.1297 e  
spread : 0.064337 e  
created : 2023-08-21T15:01:52



# Tropomi SWIR background noise (swir)

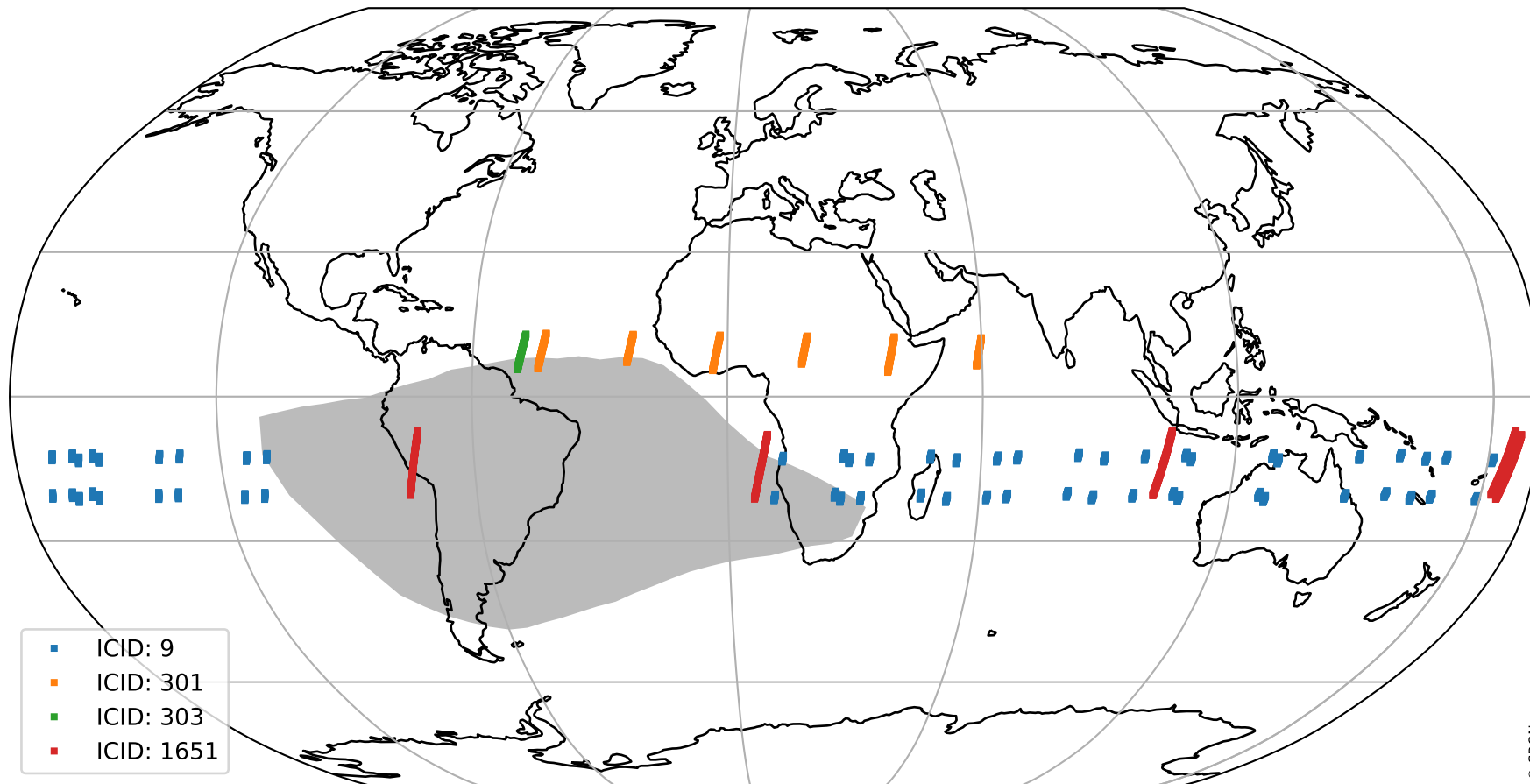
orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
median : 0.94577  
spread : 0.096549  
created : 2023-08-21T15:01:52





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

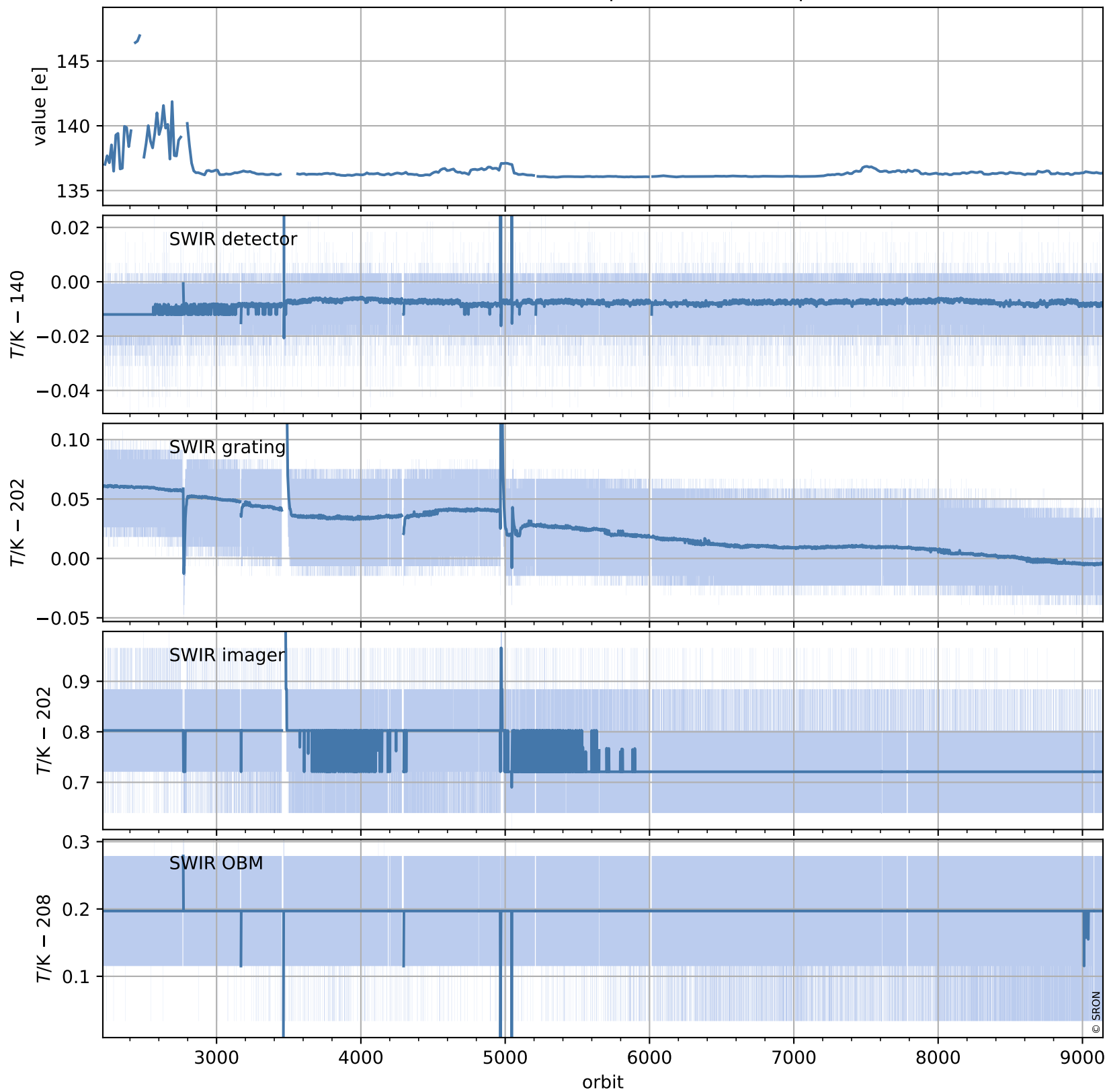
orbits : 12 in [9052, 9142]  
coverage : 2019-07-13 / 2019-07-19  
created : 2023-08-21T15:01:53



# Tropomi SWIR background noise (swir)

orbits : [2212, 9142]  
coverage : 2018-03-18 / 2019-07-19  
created : 2023-08-21T15:01:53

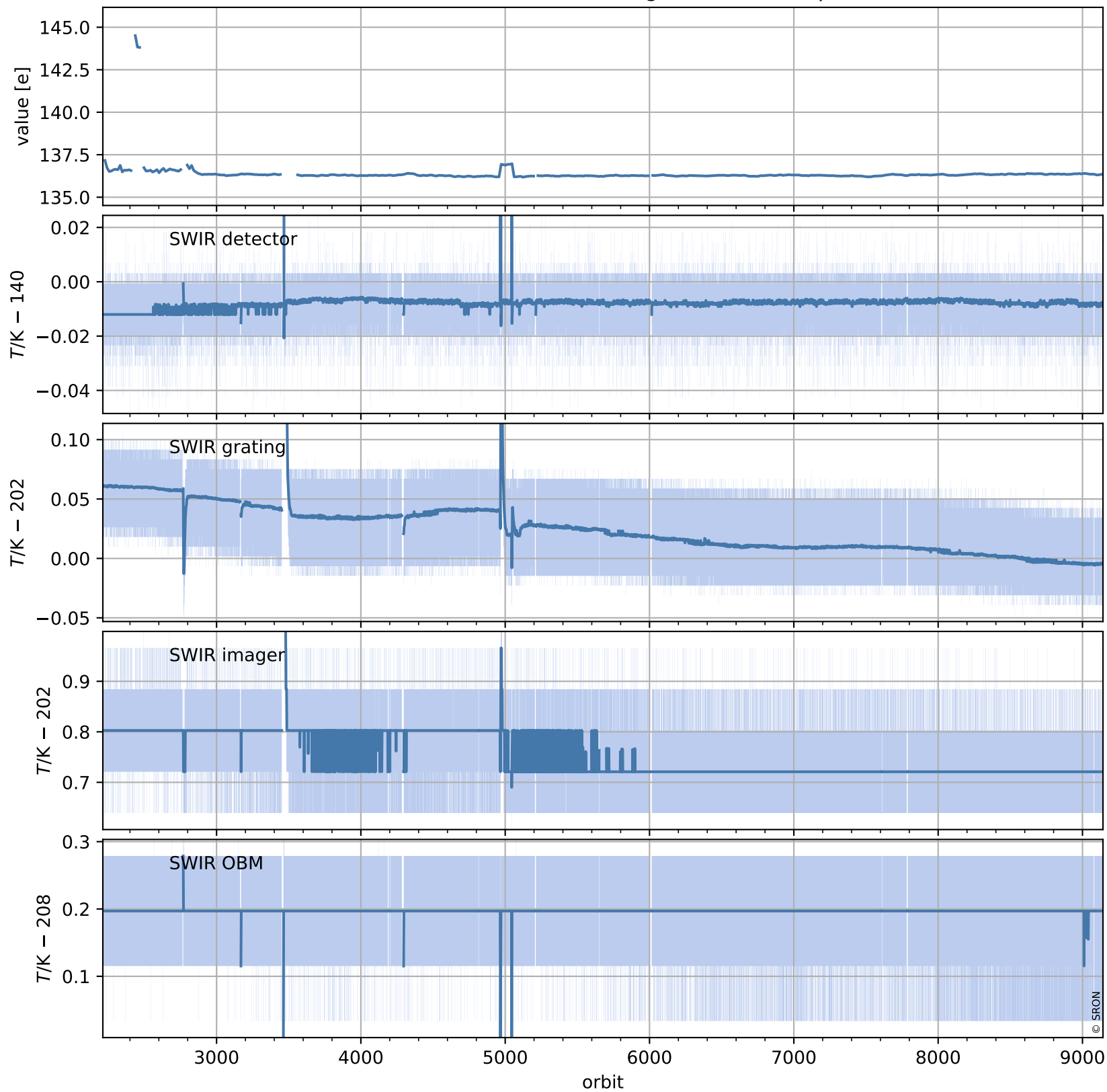
## trend of detector median of plain noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9142]  
coverage : 2018-03-18 / 2019-07-19  
created : 2023-08-21T15:01:54

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 9142]  
coverage : 2018-03-18 / 2019-07-19  
created : 2023-08-21T15:01:55

## trend of normalized read-noise & temperatures

