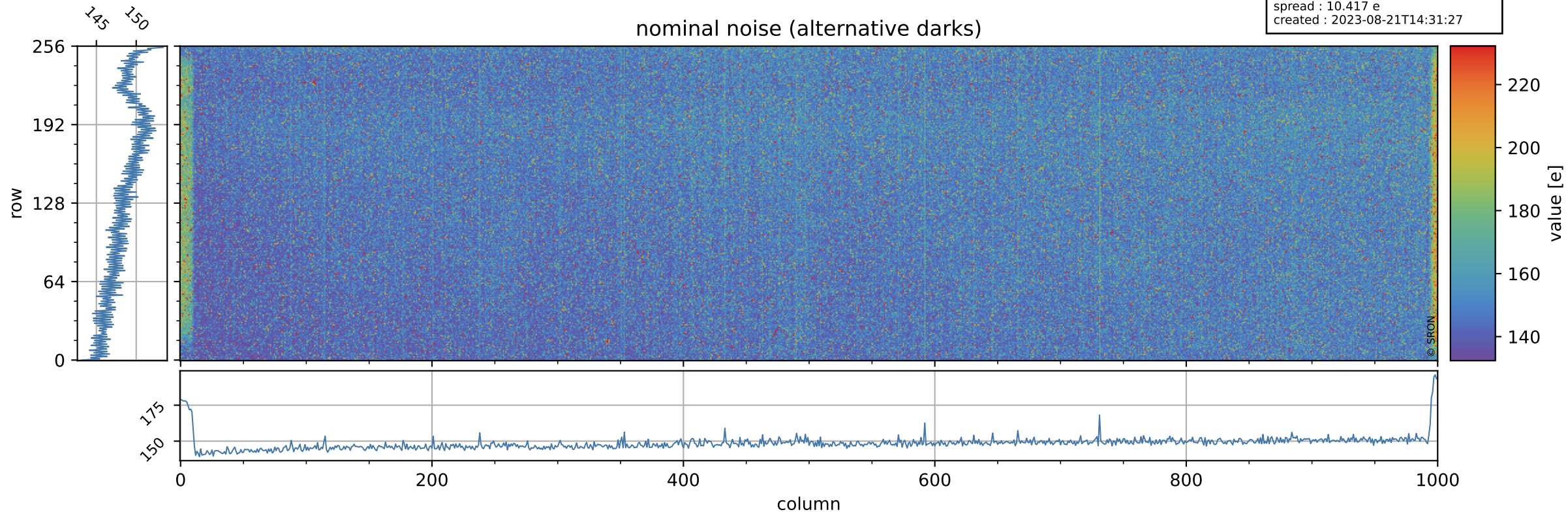


# Tropomi SWIR background noise (swir)

orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
n\_coad, t\_exp : 1, 1.0783  
median : 148.35 e  
spread : 10.417 e  
created : 2023-08-21T14:31:27

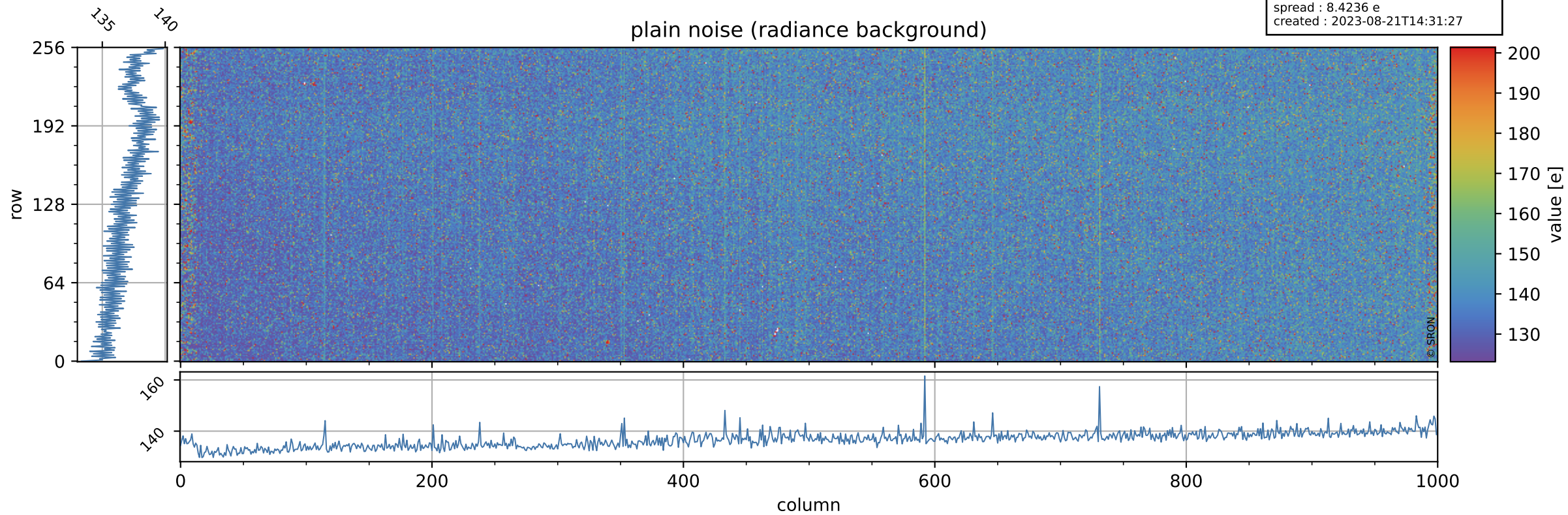
nominal noise (alternative darks)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.78 e  
spread : 8.4236 e  
created : 2023-08-21T14:31:27

## plain noise (radiance background)

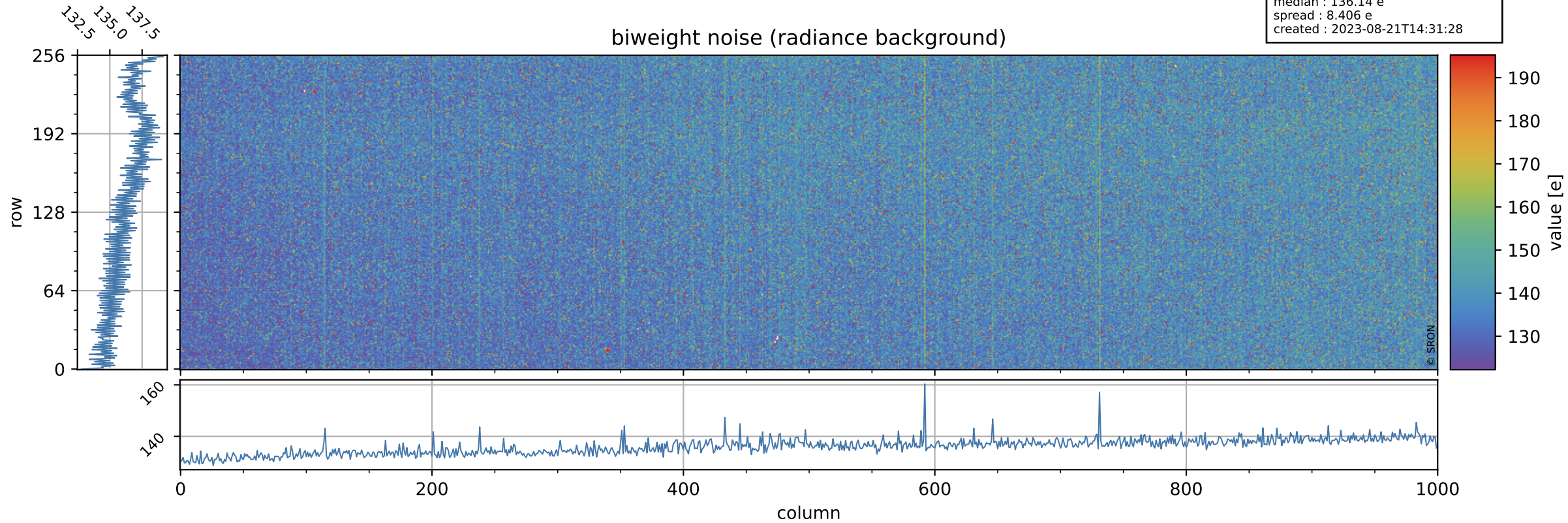




# Tropomi SWIR background noise (swir)

orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
n\_coad, t\_exp : 2, 0.5383  
median : 136.14 e  
spread : 8.406 e  
created : 2023-08-21T14:31:28

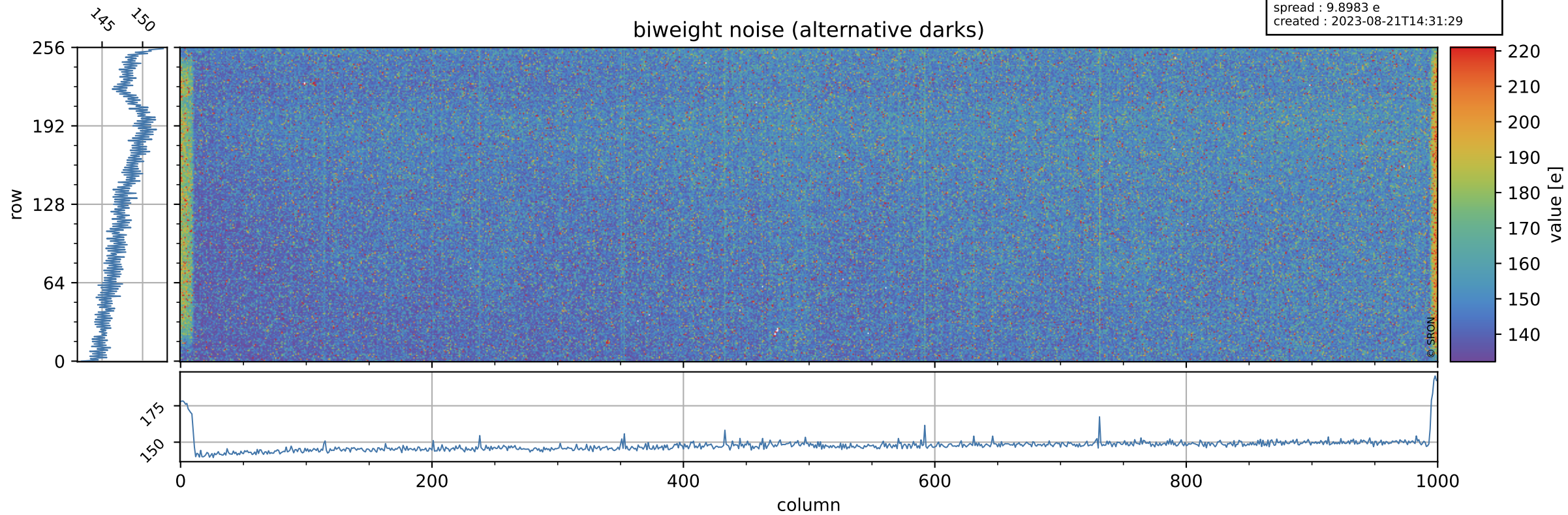
## biweight noise (radiance background)



# Tropomi SWIR background noise (swir)

orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
n\_coad, t\_exp : 1, 1.0783  
median : 147.52 e  
spread : 9.8983 e  
created : 2023-08-21T14:31:29

## biweight noise (alternative darks)

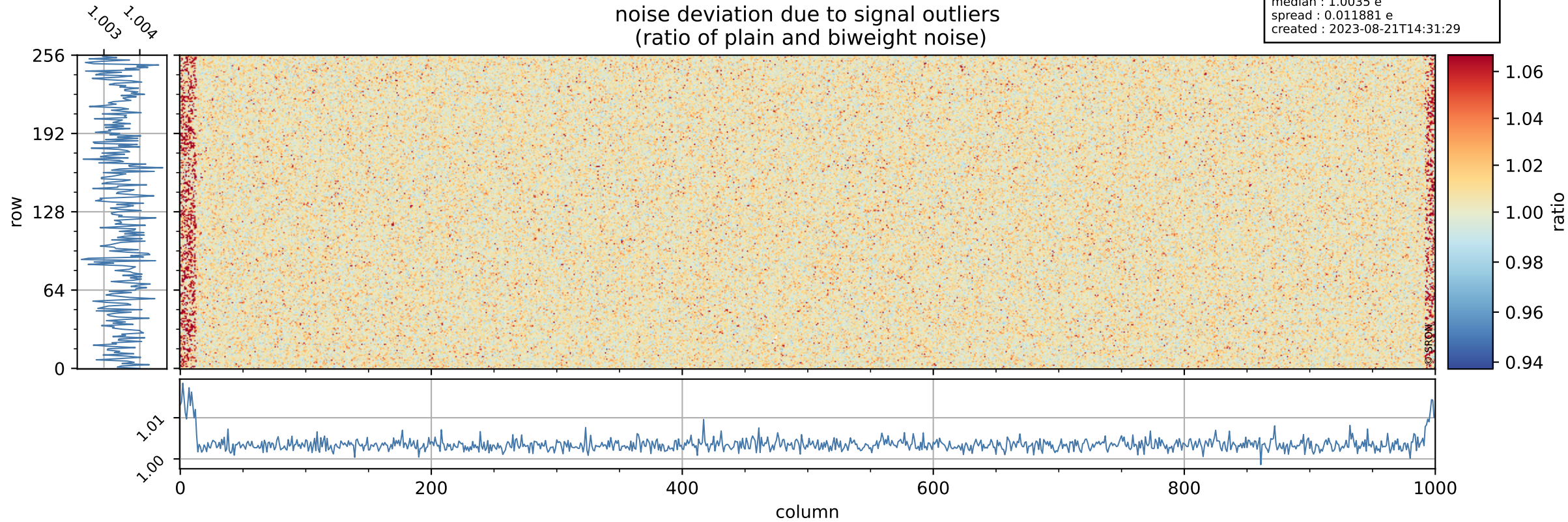




# Tropomi SWIR background noise (swir)

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

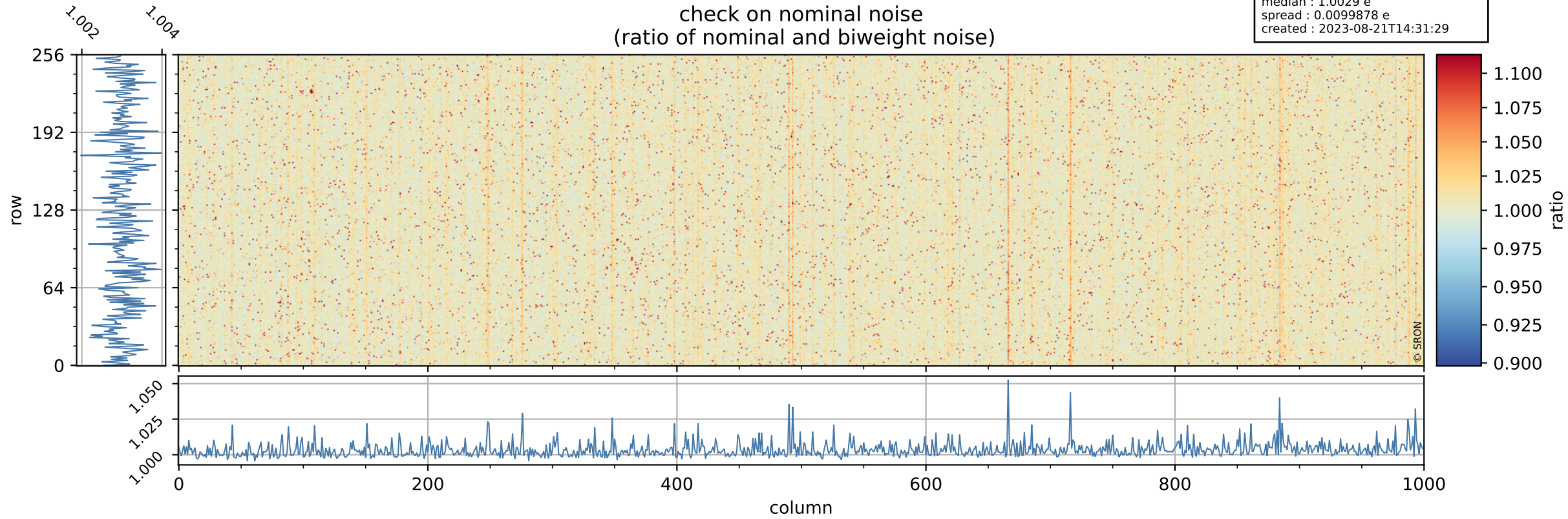
orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
median : 1.0035 e  
spread : 0.011881 e  
created : 2023-08-21T14:31:29



# Tropomi SWIR background noise (swir)

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

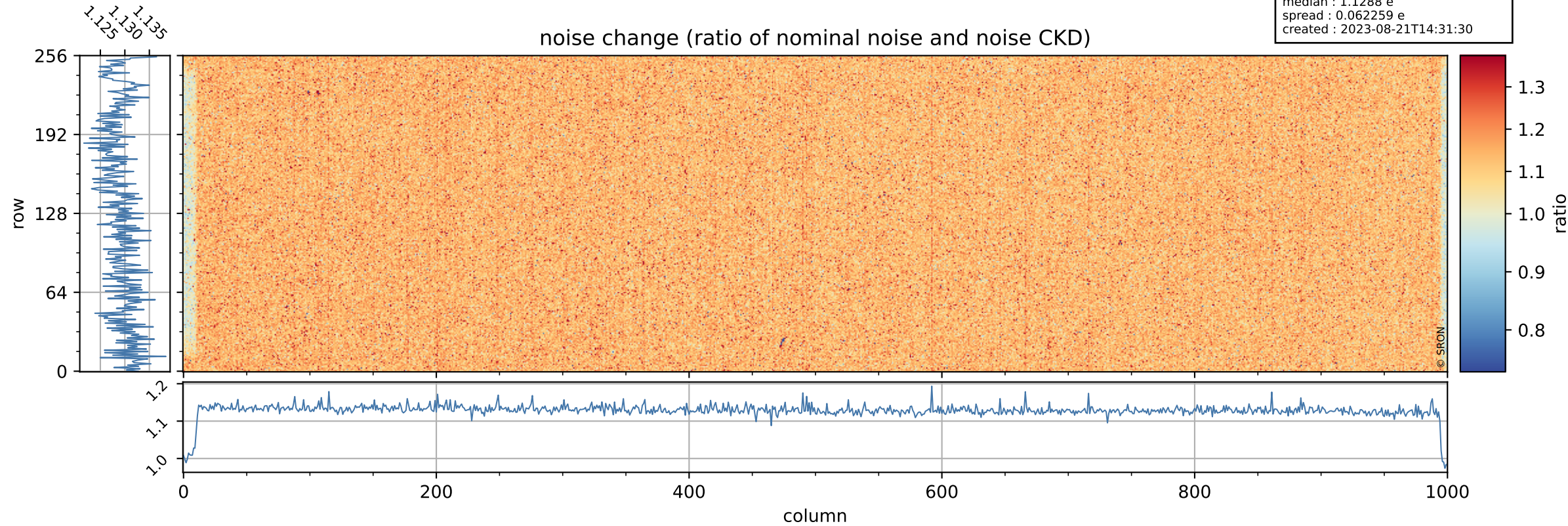
orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
median : 1.0029 e  
spread : 0.0099878 e  
created : 2023-08-21T14:31:29





# Tropomi SWIR background noise (swir)

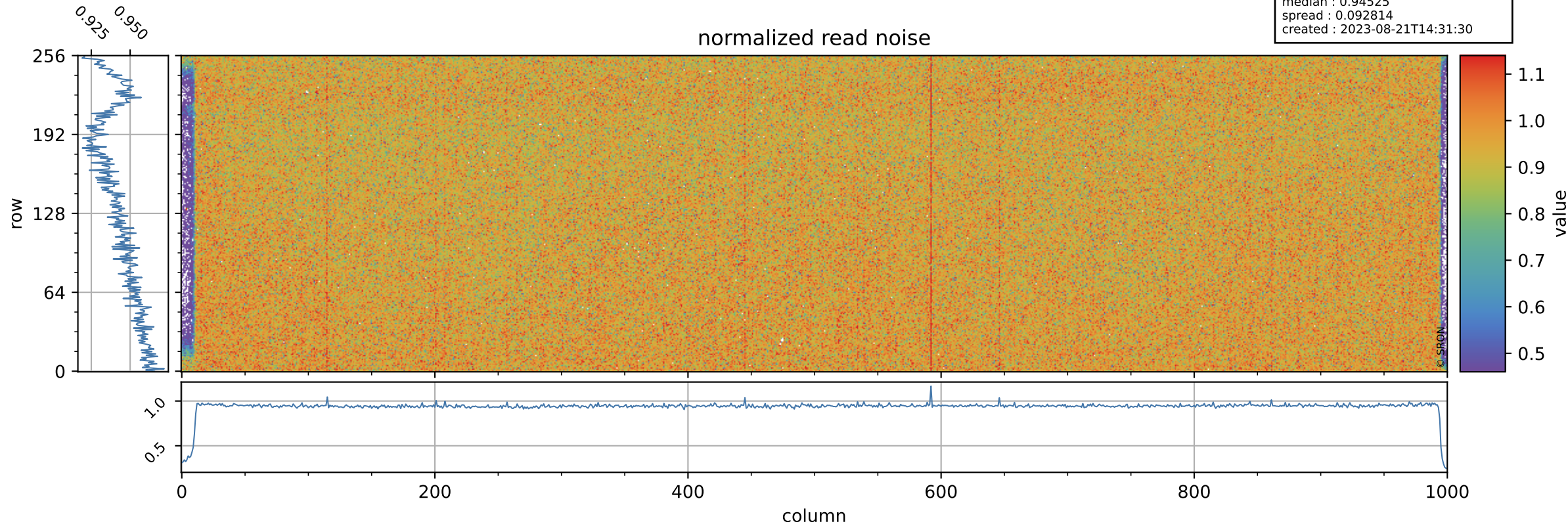
orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
median : 1.1288 e  
spread : 0.062259 e  
created : 2023-08-21T14:31:30



# Tropomi SWIR background noise (swir)

orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
median : 0.94525  
spread : 0.092814  
created : 2023-08-21T14:31:30

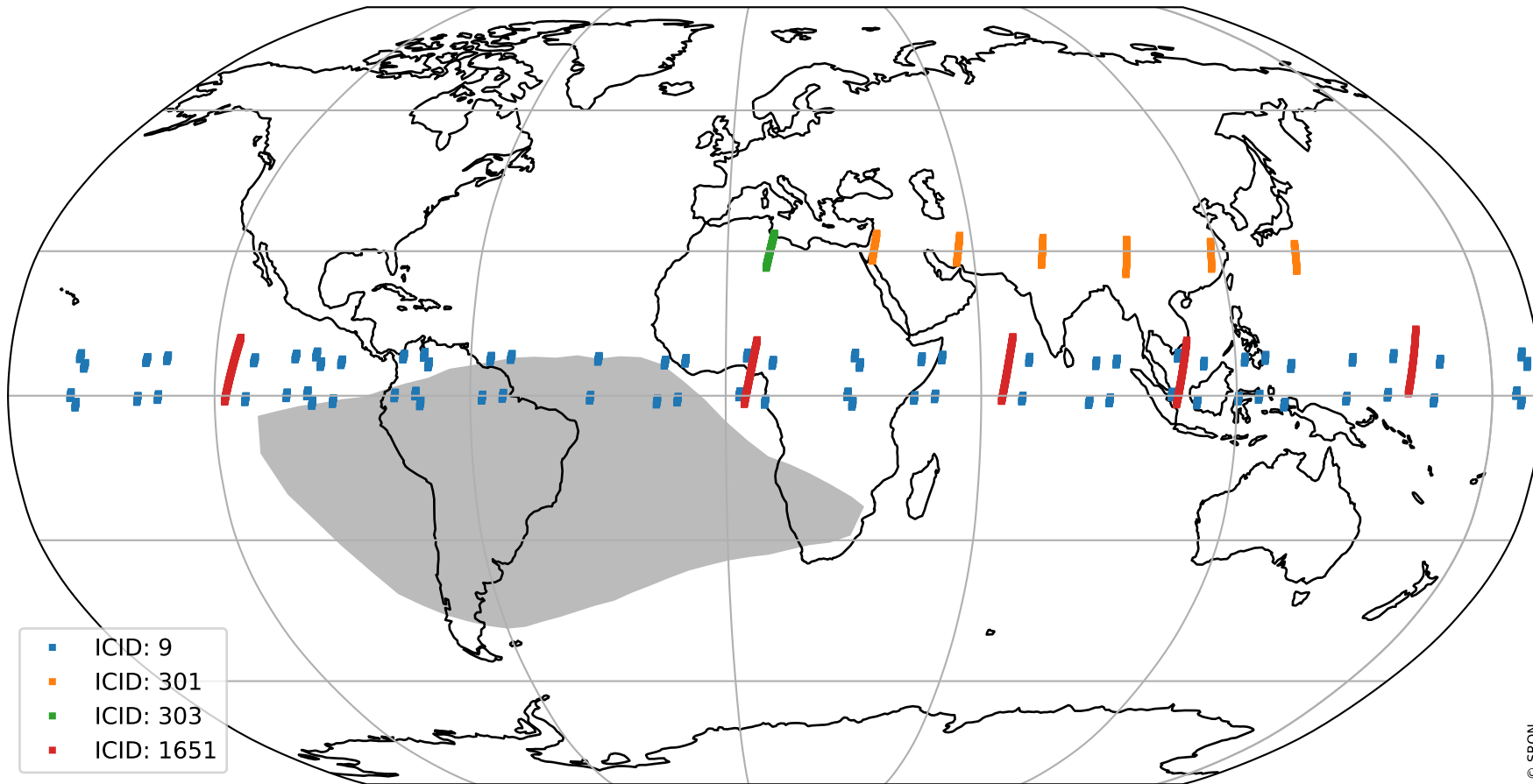
normalized read noise





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

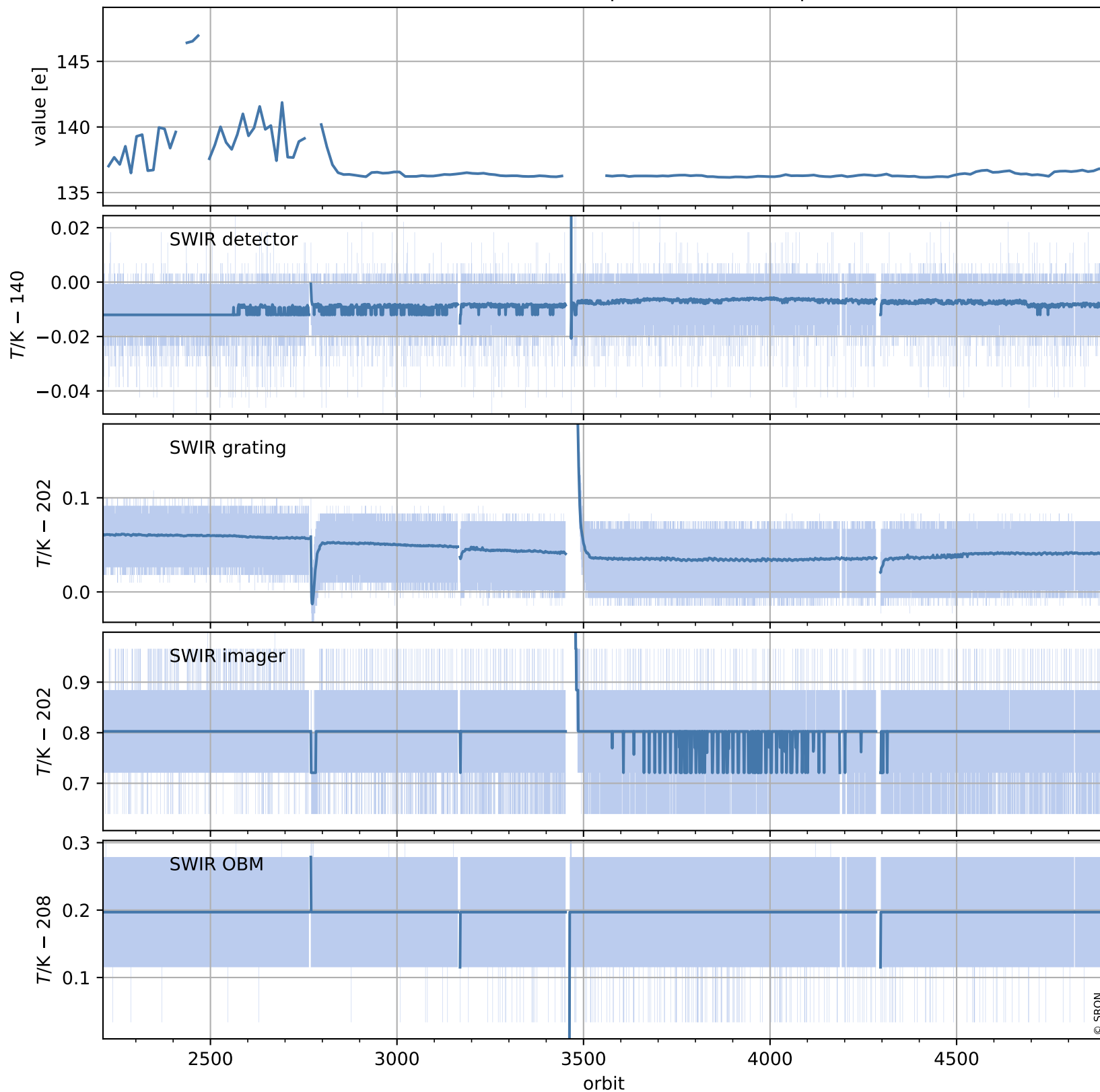
orbits : 12 in [4807, 4897]  
coverage : 2018-09-17 / 2018-09-23  
created : 2023-08-21T14:31:31



# Tropomi SWIR background noise (swir)

orbits : [2212, 4897]  
coverage : 2018-03-18 / 2018-09-23  
created : 2023-08-21T14:31:31

## trend of detector median of plain noise & temperatures

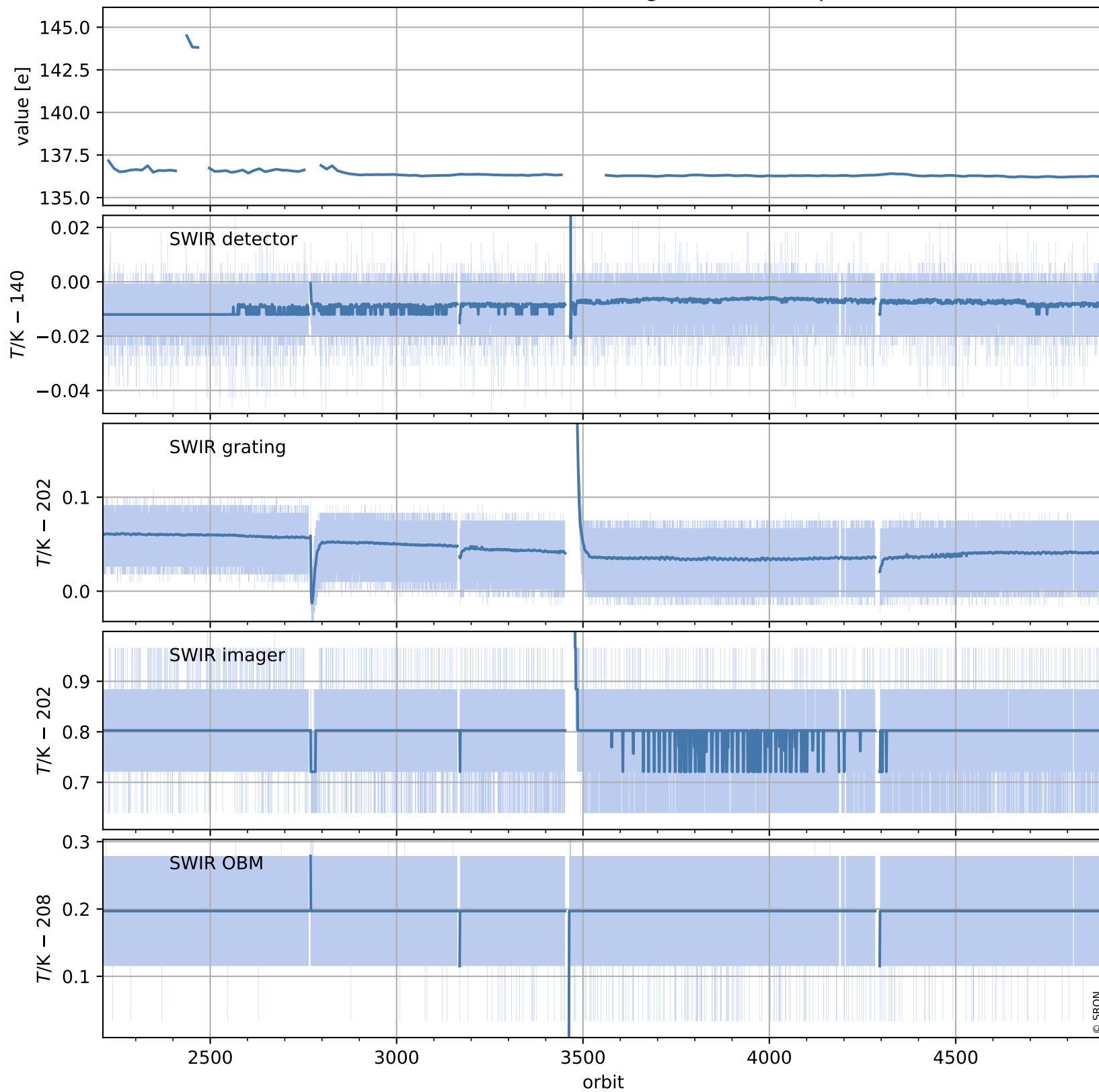




# Tropomi SWIR background noise (swir)

orbits : [2212, 4897]  
coverage : 2018-03-18 / 2018-09-23  
created : 2023-08-21T14:31:32

## trend of detector median of biweight noise & temperatures



# Tropomi SWIR background noise (swir)

orbits : [2212, 4897]  
coverage : 2018-03-18 / 2018-09-23  
created : 2023-08-21T14:31:32

## trend of normalized read-noise & temperatures

