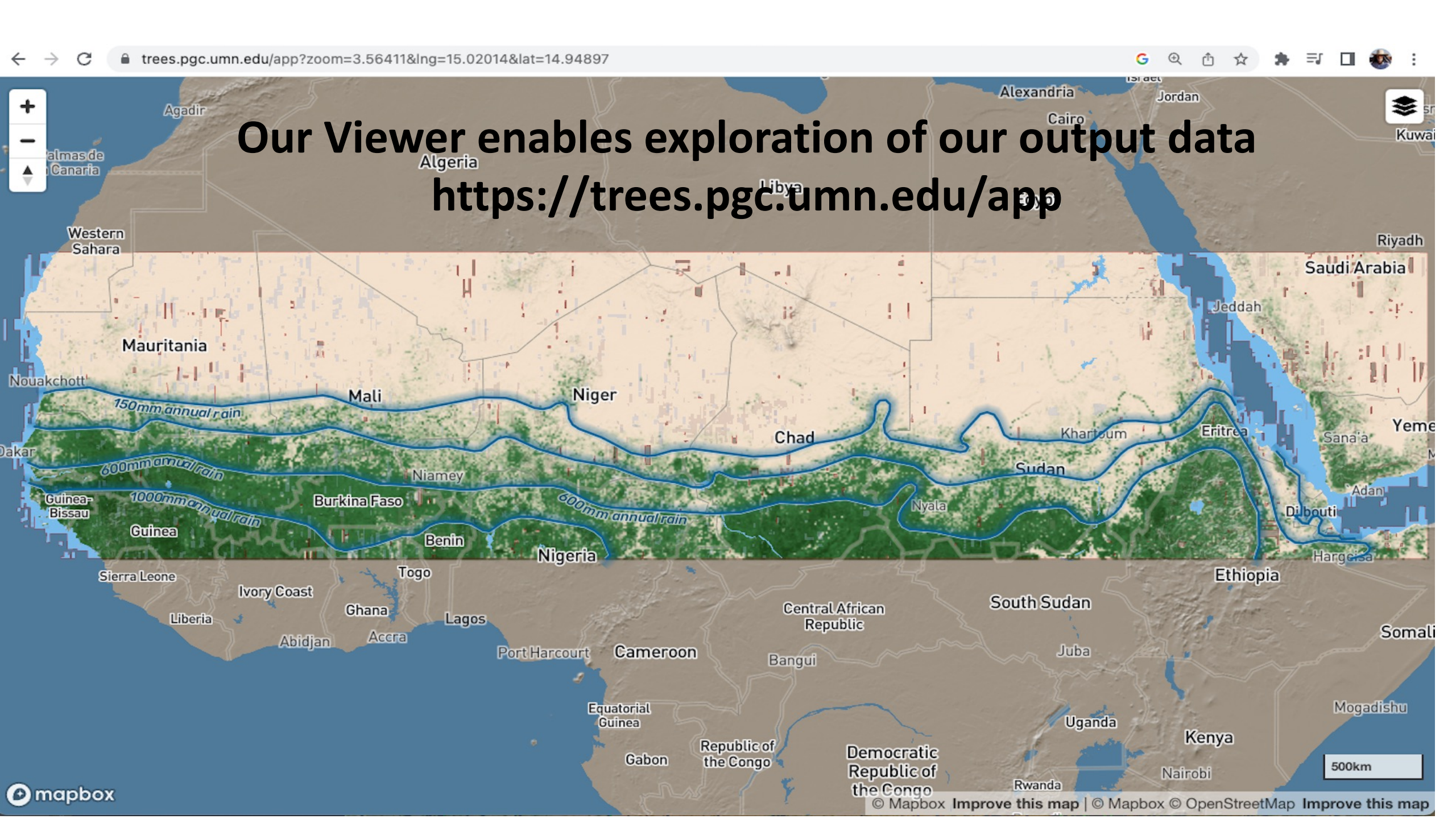
trees.pgc.umn.edu/app?zoom=3.56411&lng=15.02014&lat=14.94897
Our Viewer enables exploration of our output data
https://trees.pgc.umn.edu/app
Agadir
Alexandria
Jordan
Cairo
Algeria
Libya
Western Sahara
Riyadh
Saudi Arabia
Jeddah
Mauritania
Nouakchott
Mali
Niger
150mm annual rain
Chad
Khartoum
Eritrea
Sana'a
Yeme
Dakar
600mm annual rain
Sudan
Niamey
Guinea-Bissau
1000mm annual rain
Burkina Faso
600mm annual rain
Nyala
Adan
Djibouti
Guinea
Benin
Nigeria
Hargeisa
Sierra Leone
Togo
Ethiopia
Ivory Coast
South Sudan
Ghana
Central African Republic
Liberia
Lagos
Somali
Abidjan
Accra
Port Harcourt
Cameroon
Bangui
Juba
Equatorial Guinea
Mogadishu
Uganda
Kenya
Republic of the Congo
Gabon
Democratic Republic of the Congo
Nairobi
Rwanda
500km
mapbox
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General Guidance for using the Viewer

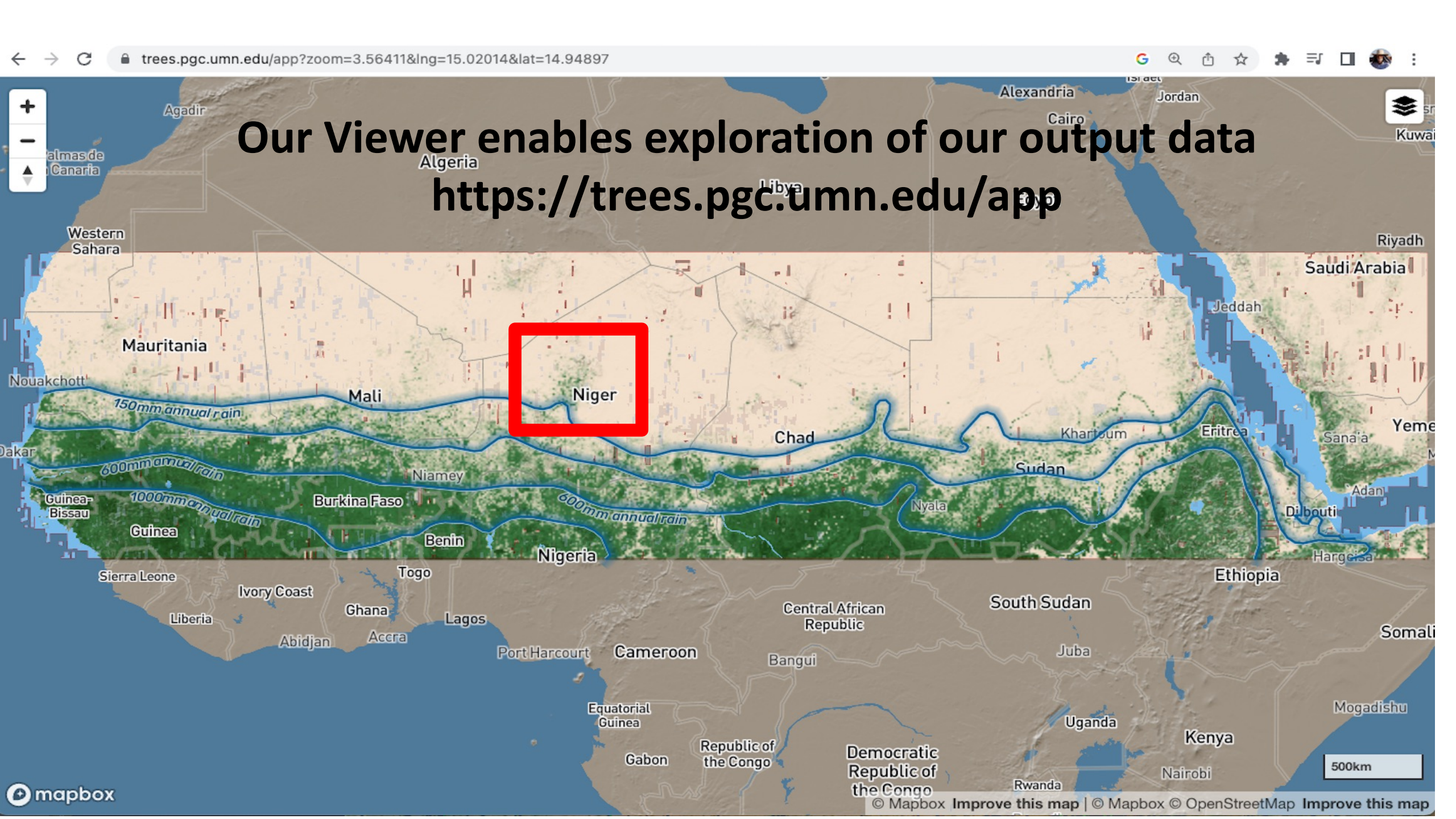
Our viewer was developed to function with Mapbox Studio and browsers that support WebGL: Google Chrome, Apple Safari 9 and above, Microsoft Edge 13 with the Win10 update, and the latest Firefox. Our viewer is not compatible with Internet Explorer. We cannot guarantee that our viewer will work with browsers that only support WebGL experimentally.

The URL of the Viewer is important. Saving the URL will take you back to exactly the same viewing area and zoom factor, e.g. “https://trees.pgc.umn.edu/app?zoom=9.00000&lng=14.51161&lat=12.58932”

There are two viewing modes: Terrain and Satellite. The Terrain mode only displays tree crowns while the Satellite mode displays tree crowns superimposed upon Mapbox’s background imagery. Many find it useful to use Terrain mode for data exploration and then switch to Satellite mode for setting context.

There are portions of 94,502 Maxar images that were selected for our input mosaics. When you click on image data in the viewer, the image particulars for the Maxar quick look image associated for that image will be displayed. Users must register on the Maxar website to be able to ascertain particulars about images in question. Also, there is not a 1:1 mapping or display of the Maxar quick look image and the incorporation of that image into our input mosaics. Frequently, input images may be broken up into multiple image segments that are not contiguous within our input mosaics.

Please bring comments or observations to our attention in the comments section


trees.pgc.umn.edu/app?zoom=3.56411&lng=15.02014&lat=14.94897
Our Viewer enables exploration of our output data
https://trees.pgc.umn.edu/app
Agadir
Alexandria
Jordan
Cairo
Algeria
Libya
Western Sahara
Riyadh
Saudi Arabia
Jeddah
Mauritania
Nouakchott
Mali
Niger
150mm annual rain
Chad
Khartoum
Eritrea
Sana'a
Yeme
Dakar
600mm annual rain
Sudan
Niamey
Guinea-Bissau
1000mm annual rain
Burkina Faso
600mm annual rain
Nyala
Adan
Djibouti
Guinea
Benin
Nigeria
Hargeisa
Sierra Leone
Togo
Ethiopia
Ivory Coast
South Sudan
Ghana
Central African Republic
Liberia
Lagos
Abidjan
Accra
Port Harcourt
Cameroon
Bangui
Juba
Somali
Equatorial Guinea
Mogadishu
Uganda
Kenya
Republic of the Congo
Gabon
Democratic Republic of the Congo
Nairobi
Rwanda
500km
mapbox
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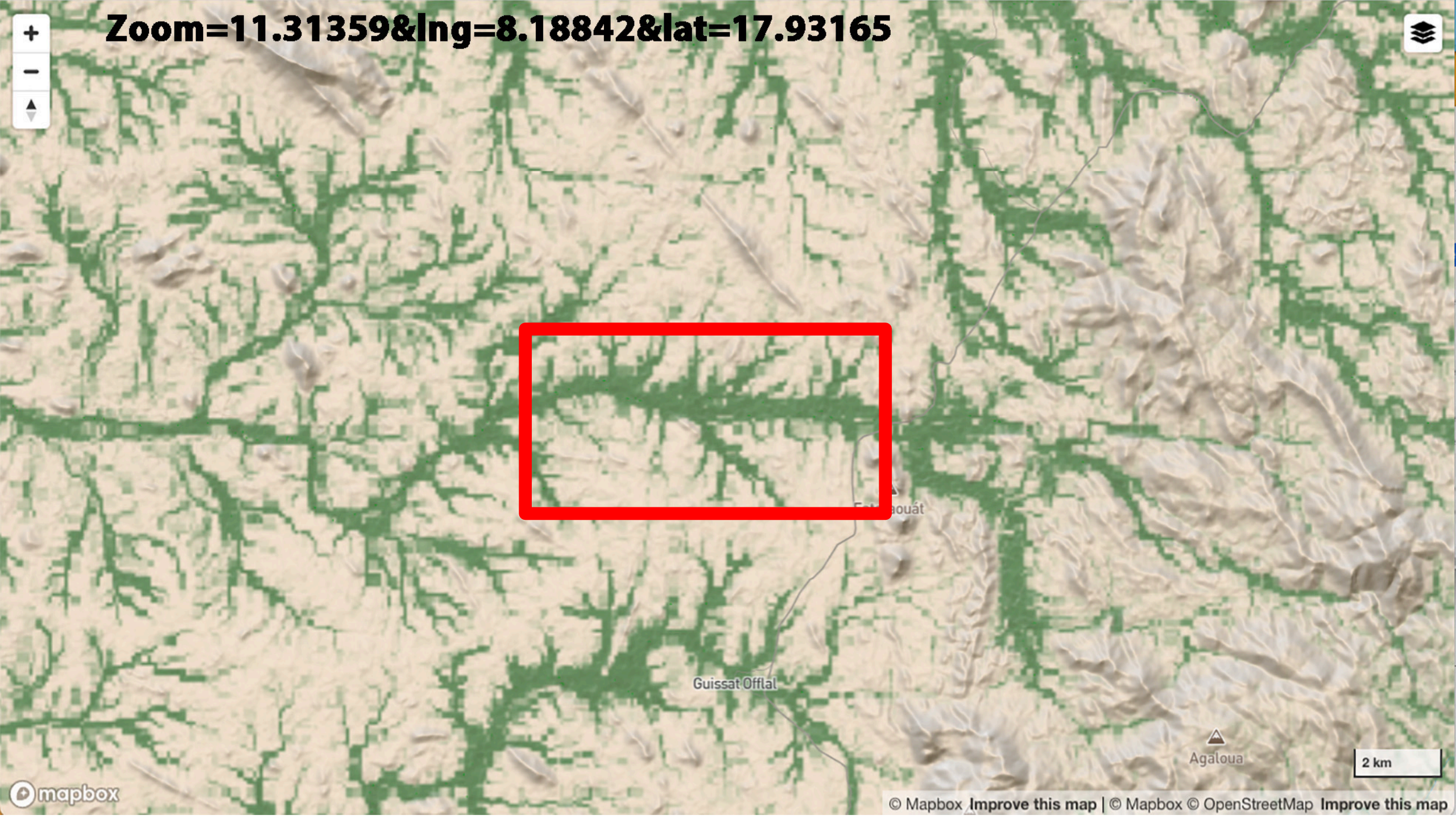
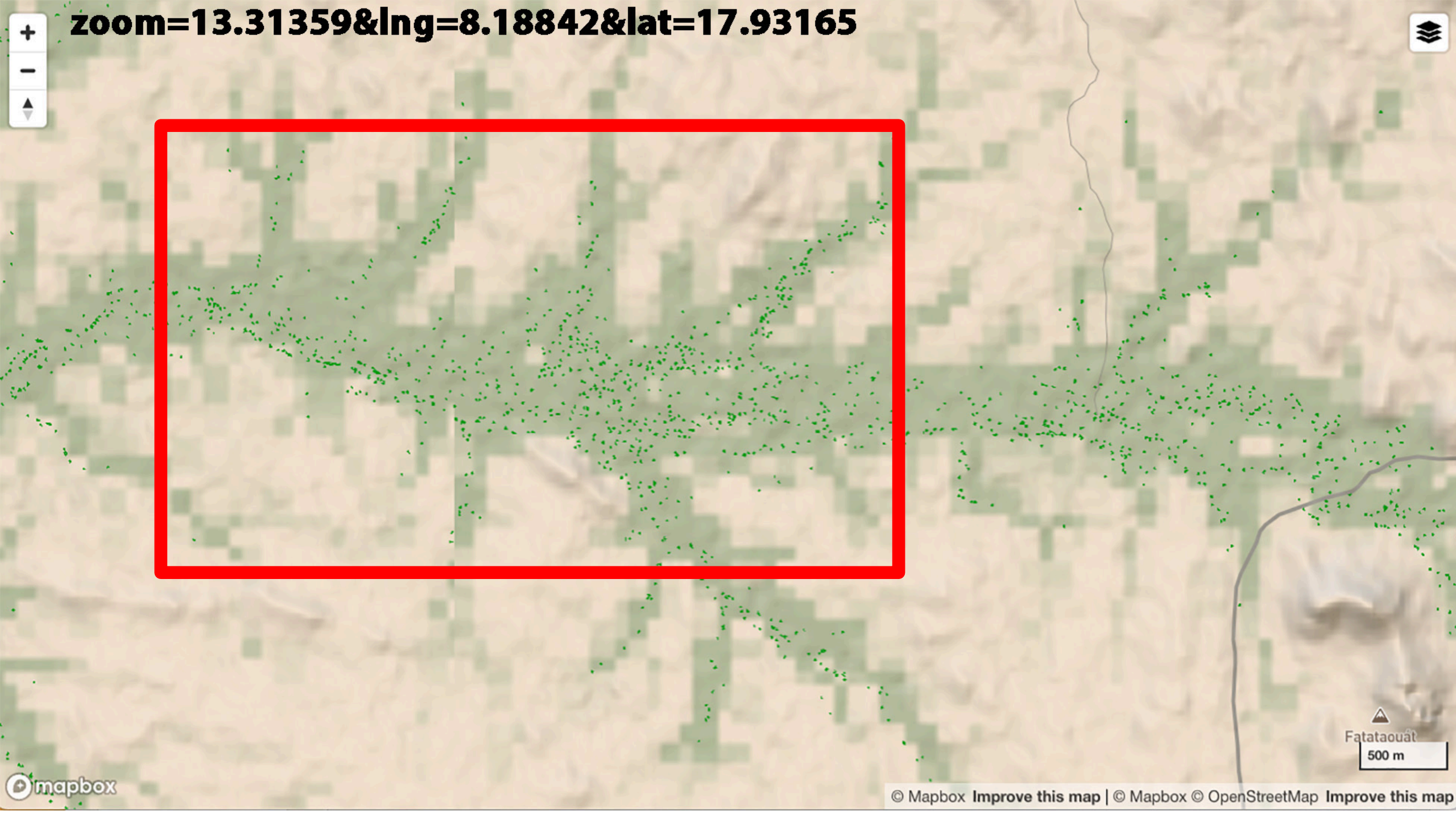
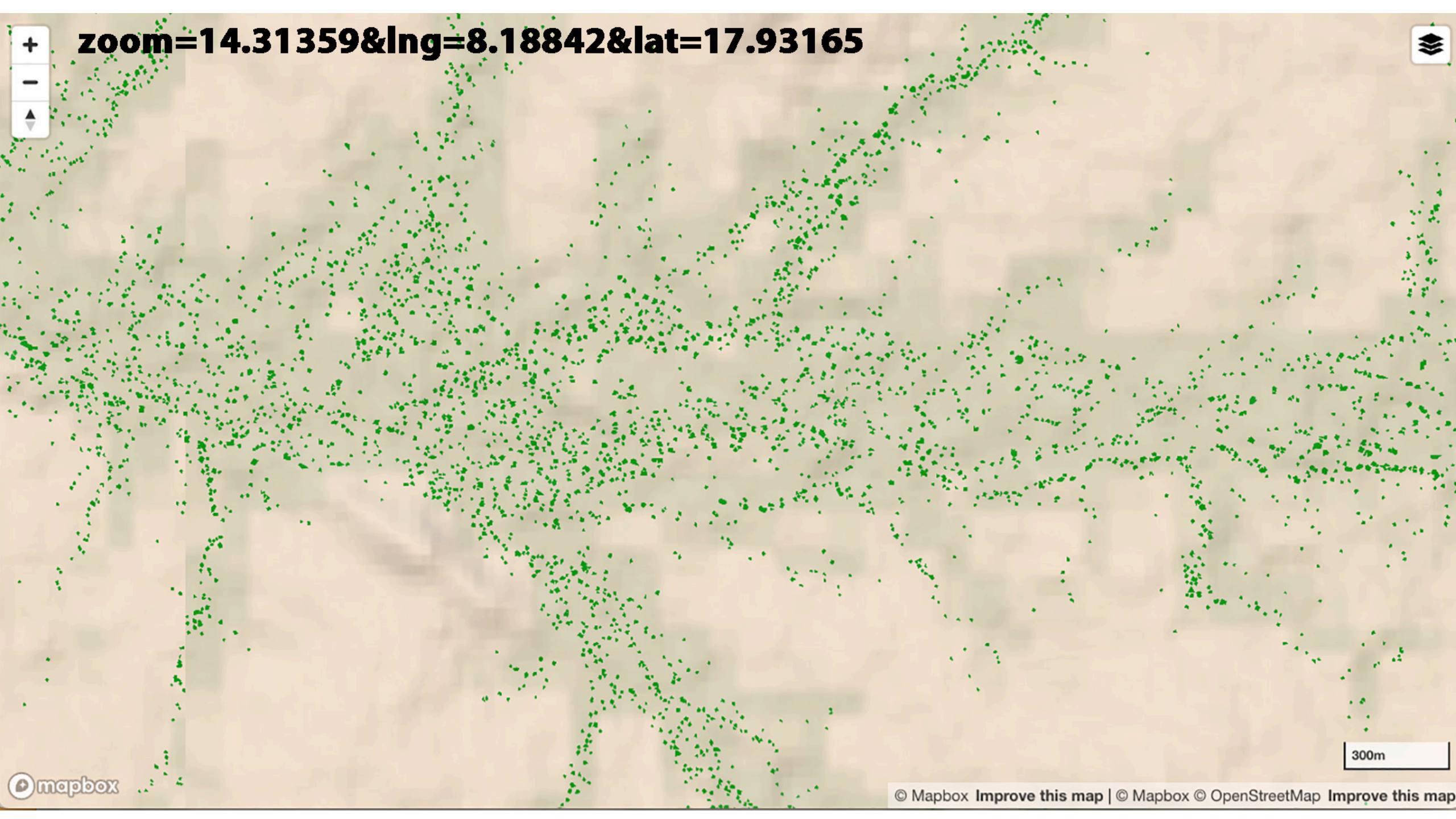
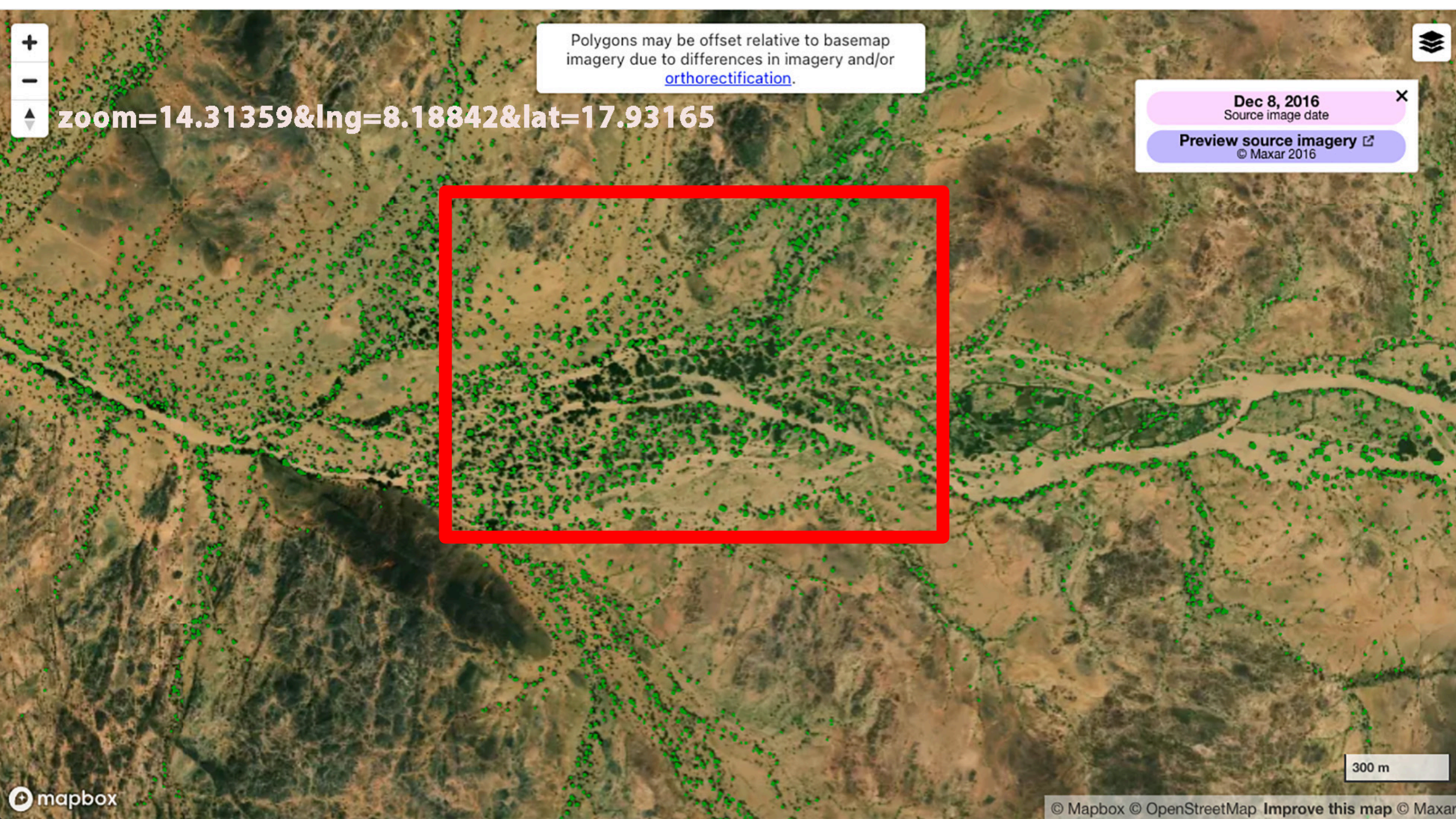
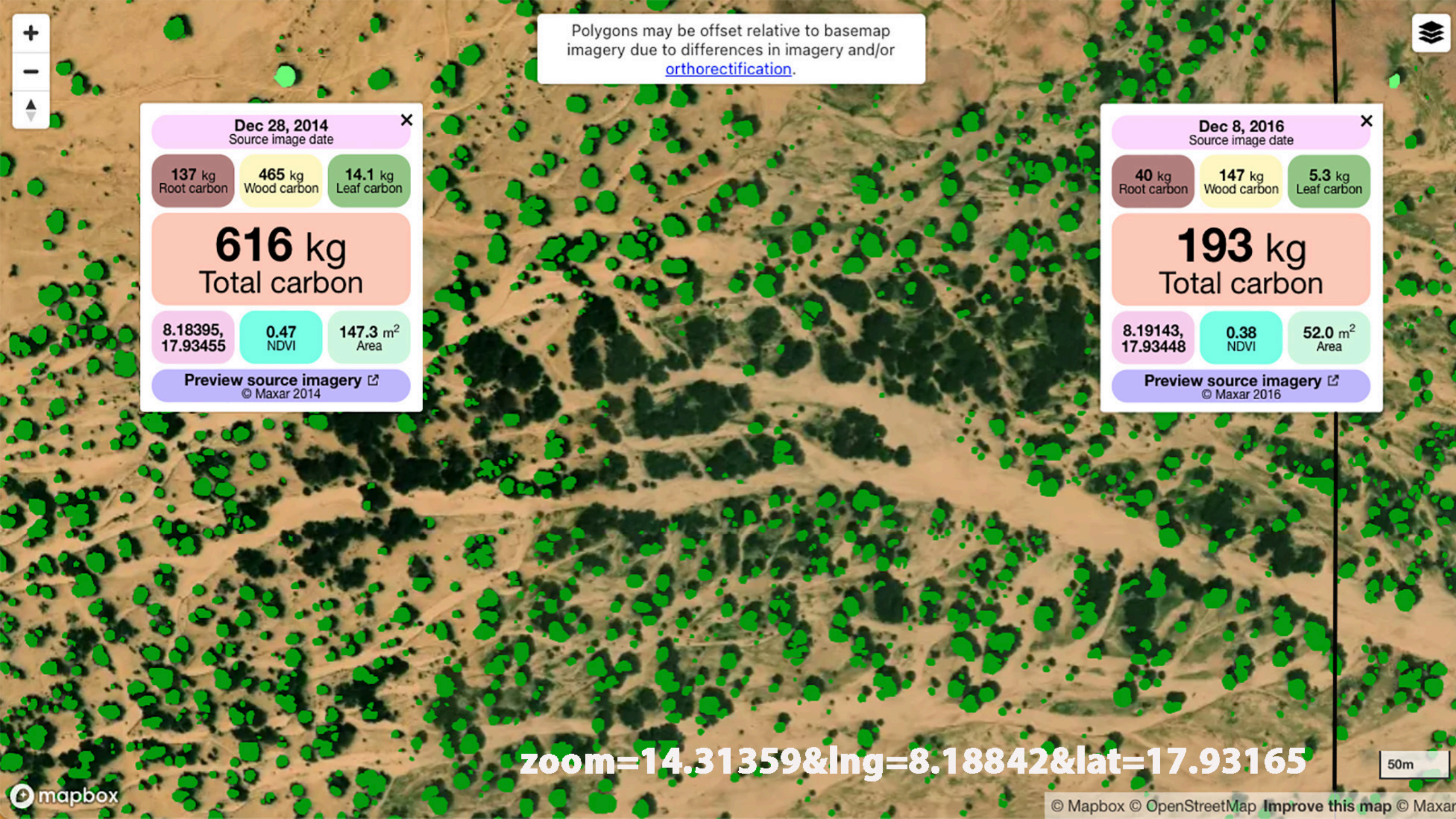
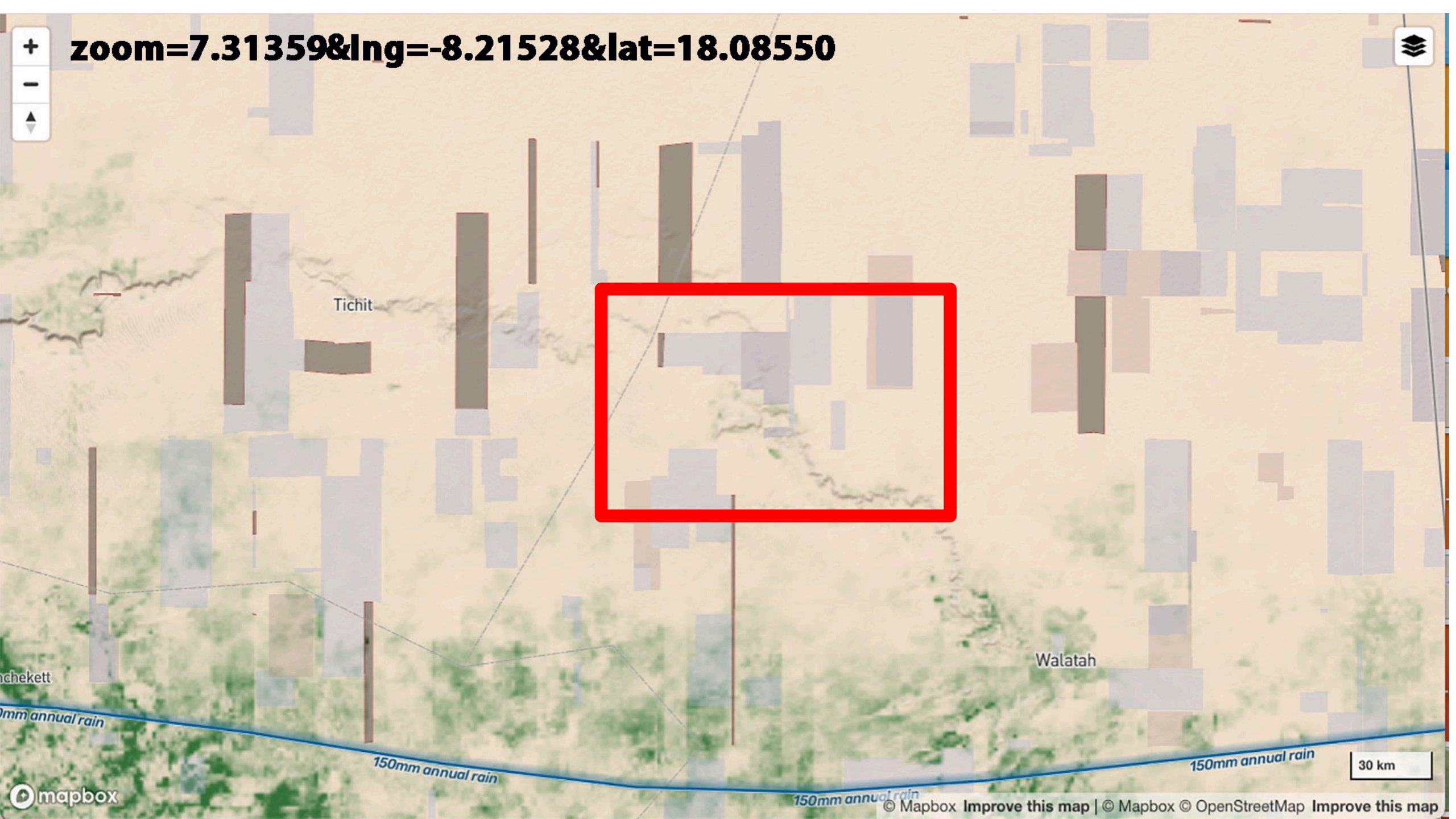

Zoom=11.31359&lng=8.18842&lat=17.93165
Guissat Offlal
Agaloua
2 km
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

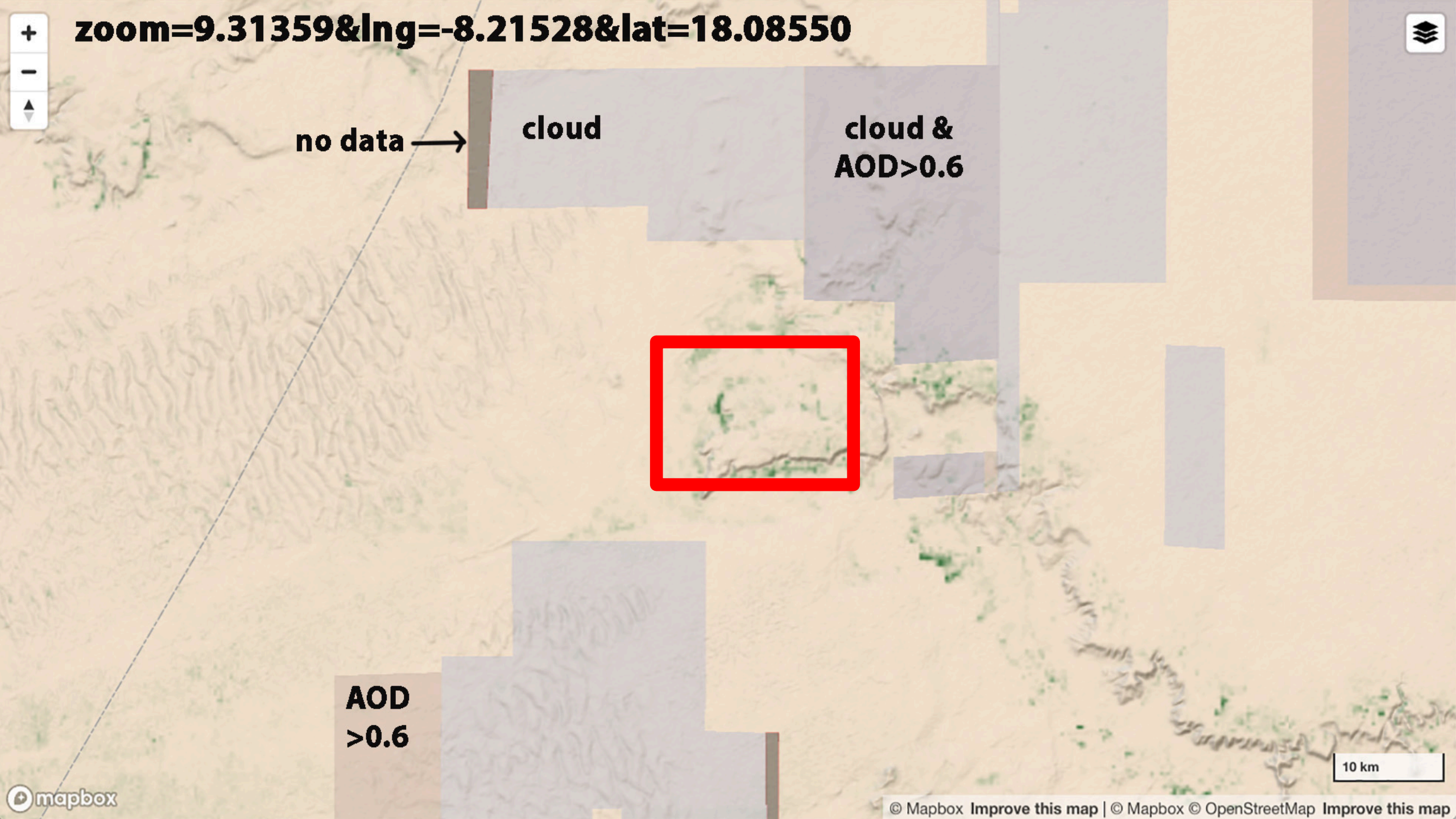

zoom=13.31359&lng=8.18842&lat=17.93165
Fatataouat
500 m
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

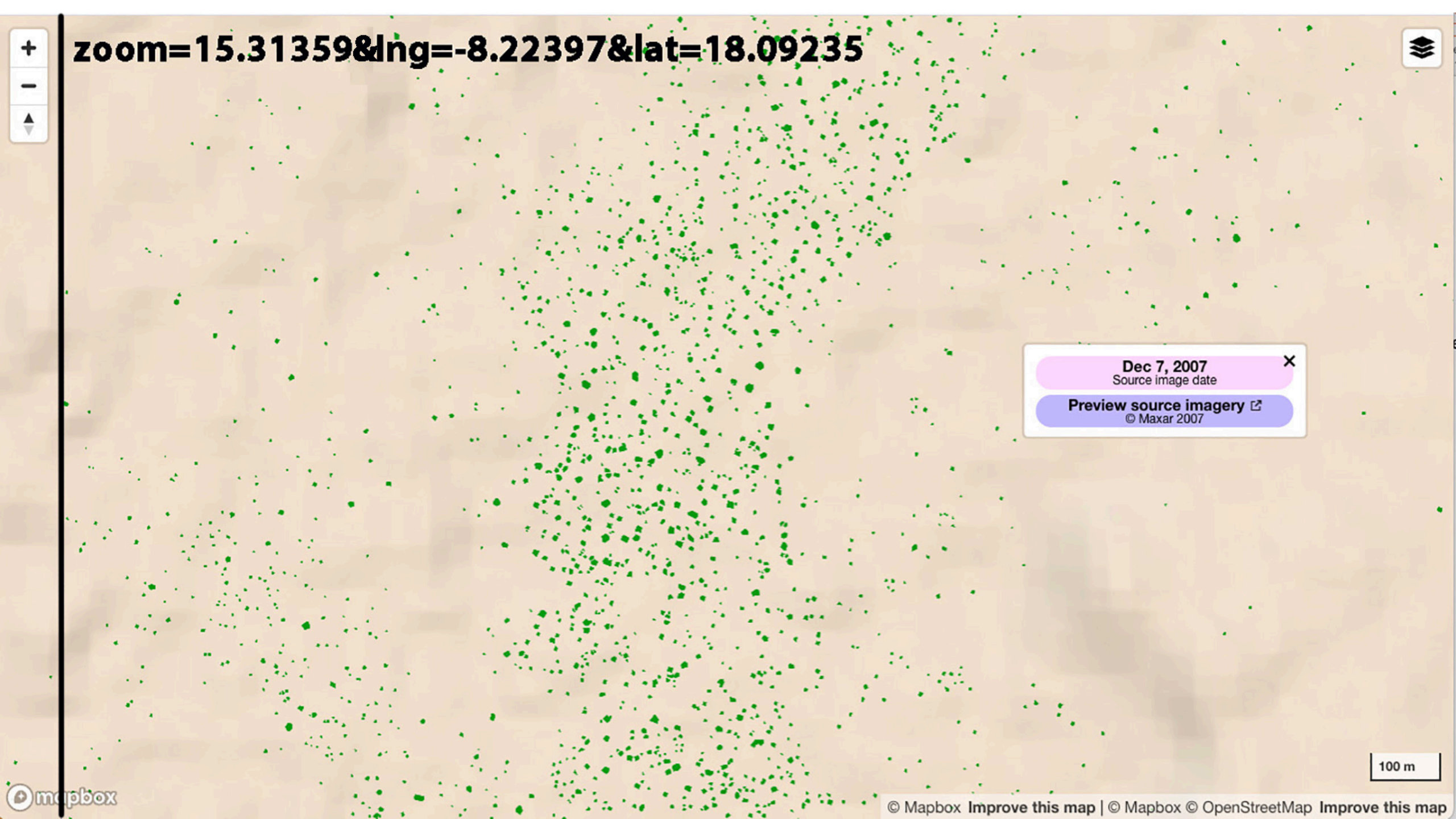

zoom=14.31359&lng=8.18842&lat=17.93165
300m
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

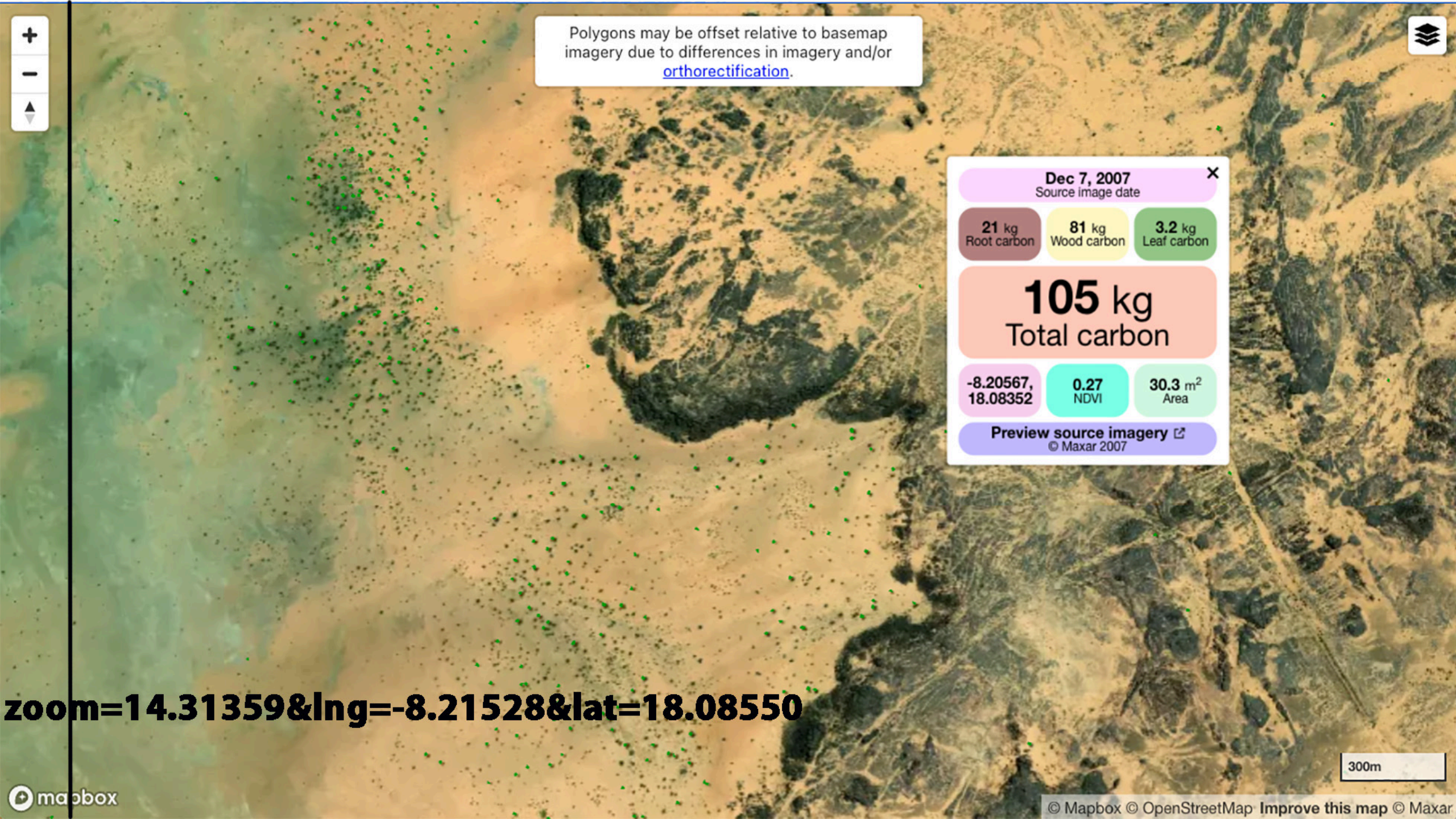

Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
zoom=14.31359&lng=8.18842&lat=17.93165
Dec 8, 2016
Source image date
Preview source imagery
© Maxar 2016
300 m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

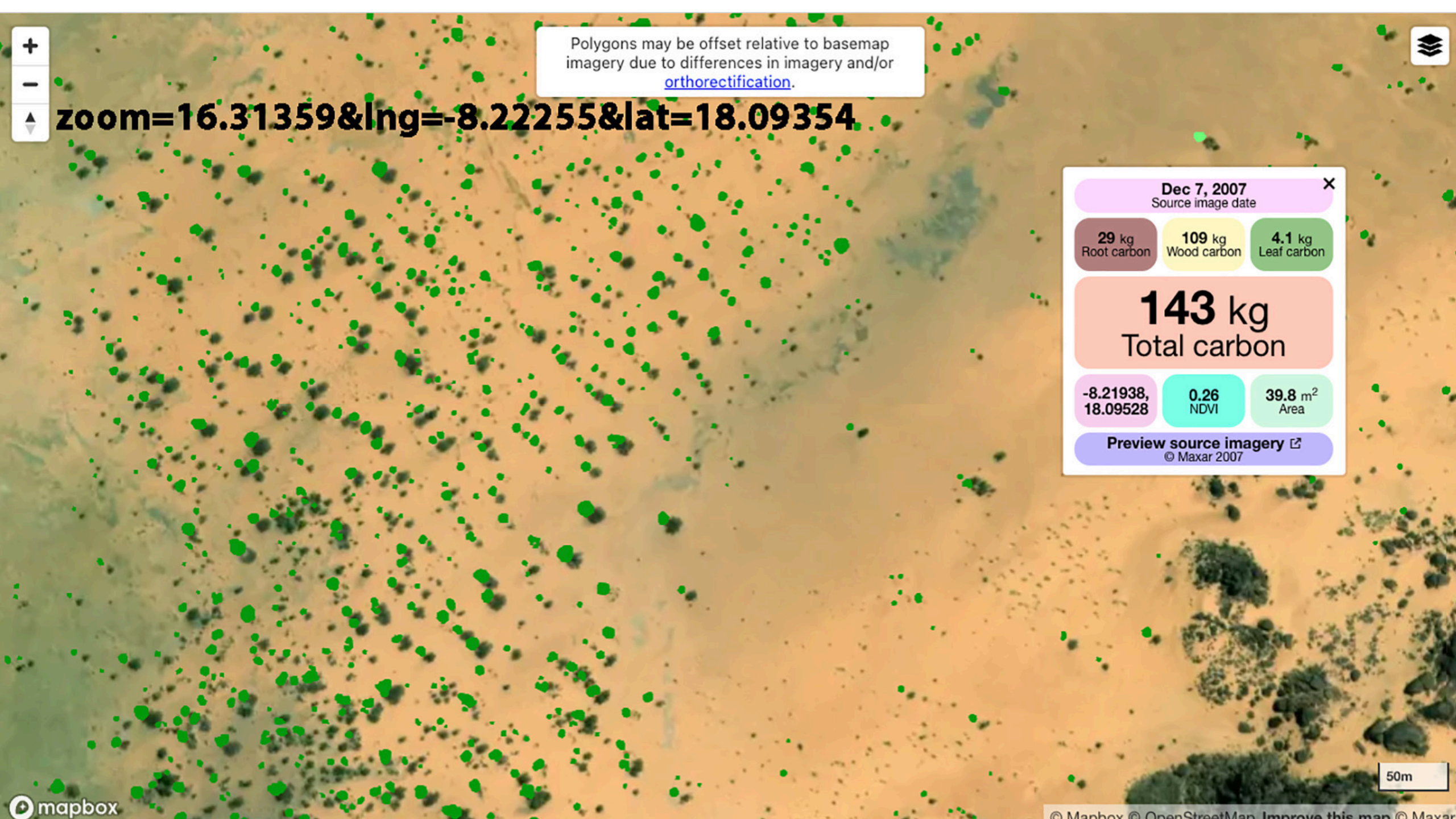

Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
Dec 28, 2014
Source image date
137 kg
Root carbon
465 kg
Wood carbon
14.1 kg
Leaf carbon
616 kg
Total carbon
8.18395, 17.93455
0.47
NDVI
147.3 m²
Area
Preview source imagery
© Maxar 2014
Dec 8, 2016
Source image date
40 kg
Root carbon
147 kg
Wood carbon
5.3 kg
Leaf carbon
193 kg
Total carbon
8.19143, 17.93448
0.38
NDVI
52.0 m²
Area
Preview source imagery
© Maxar 2016
zoom=14.31359&lng=8.18842&lat=17.93165
50m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

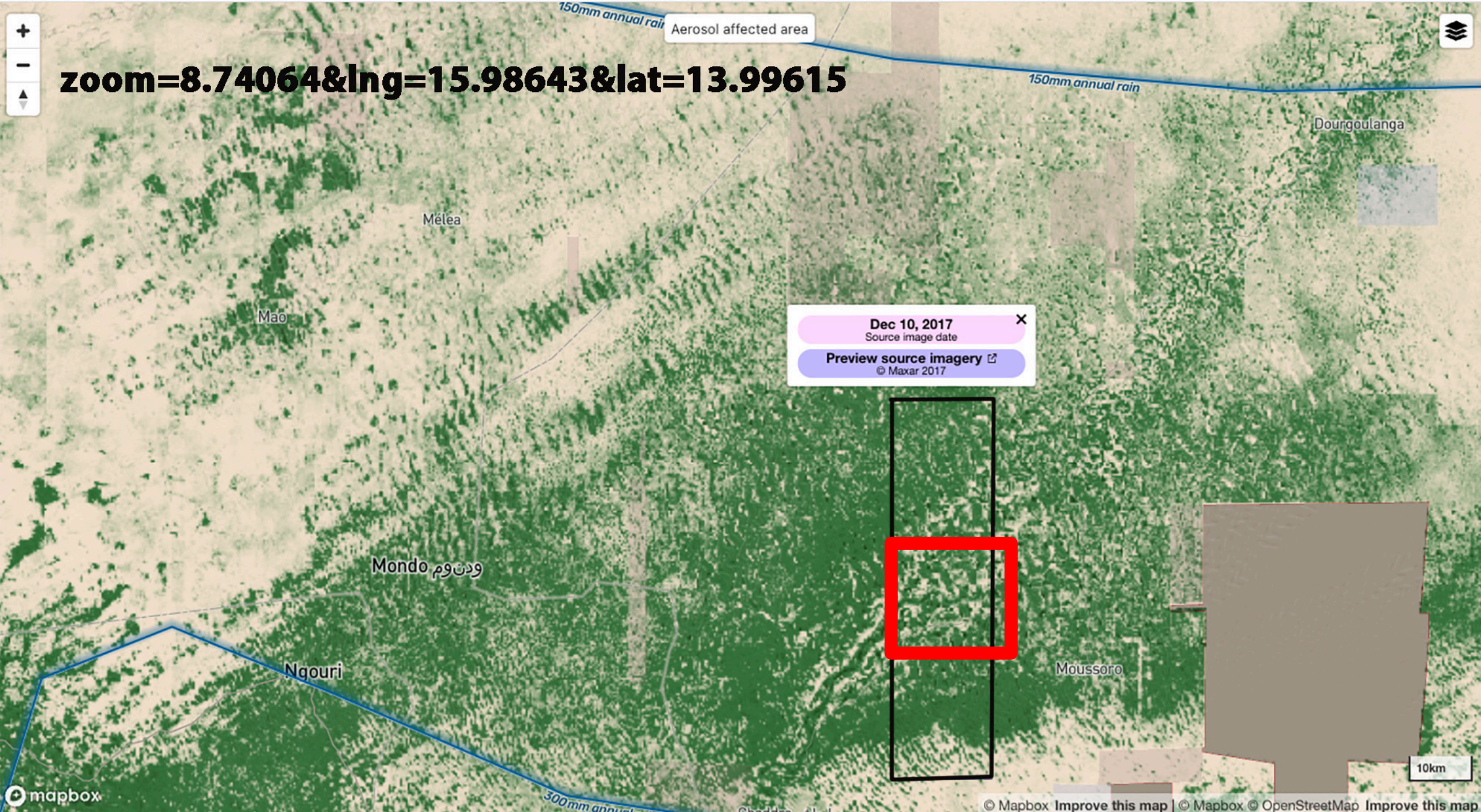

zoom=7.31359&lng=-8.21528&lat=18.08550
Tichit
Walatah
150mm annual rain
150mm annual rain
150mm annual rain
30 km
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

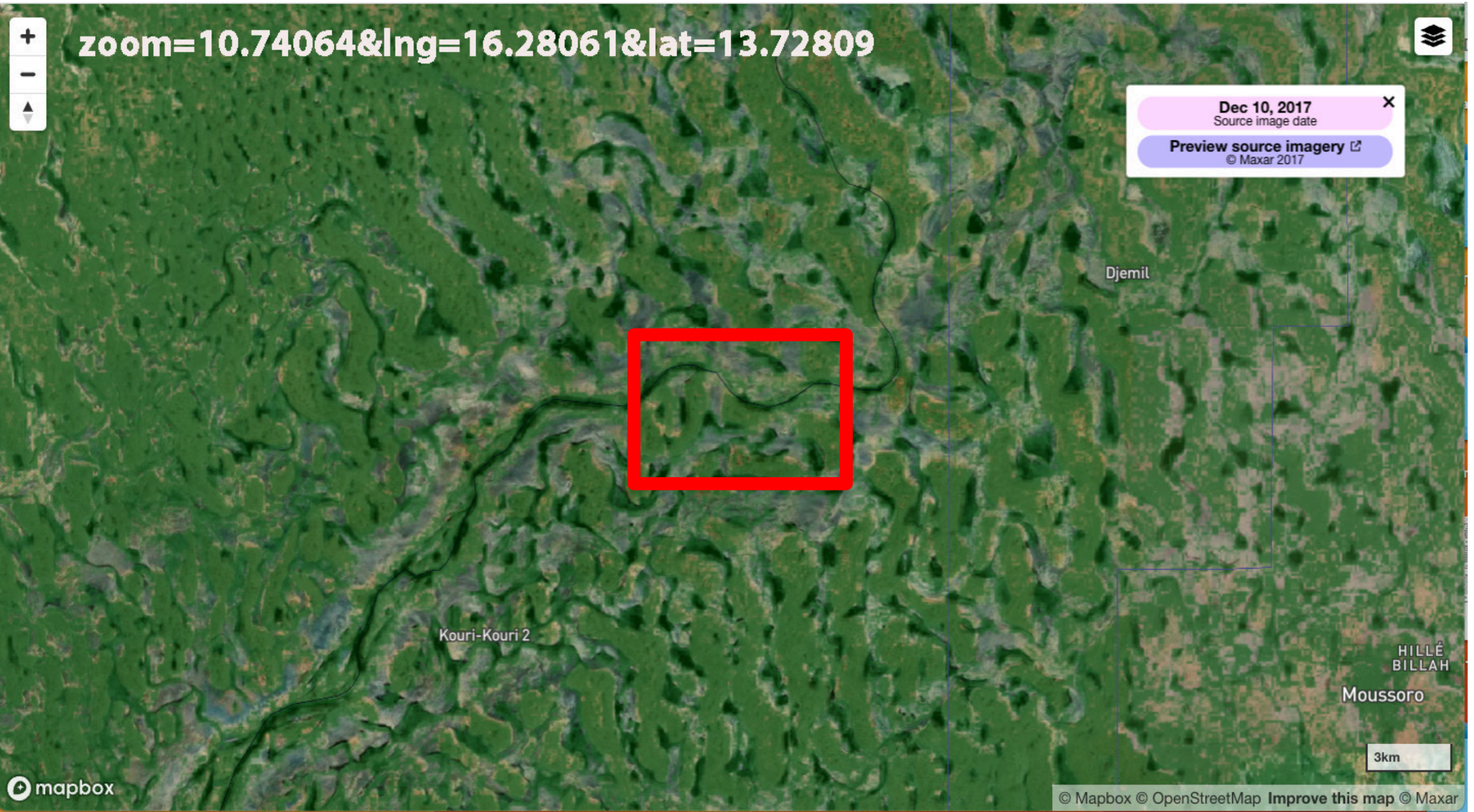

zoom=9.31359&lng=-8.21528&lat=18.08550
no data
cloud
cloud &
AOD>0.6
AOD
>0.6
10 km
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

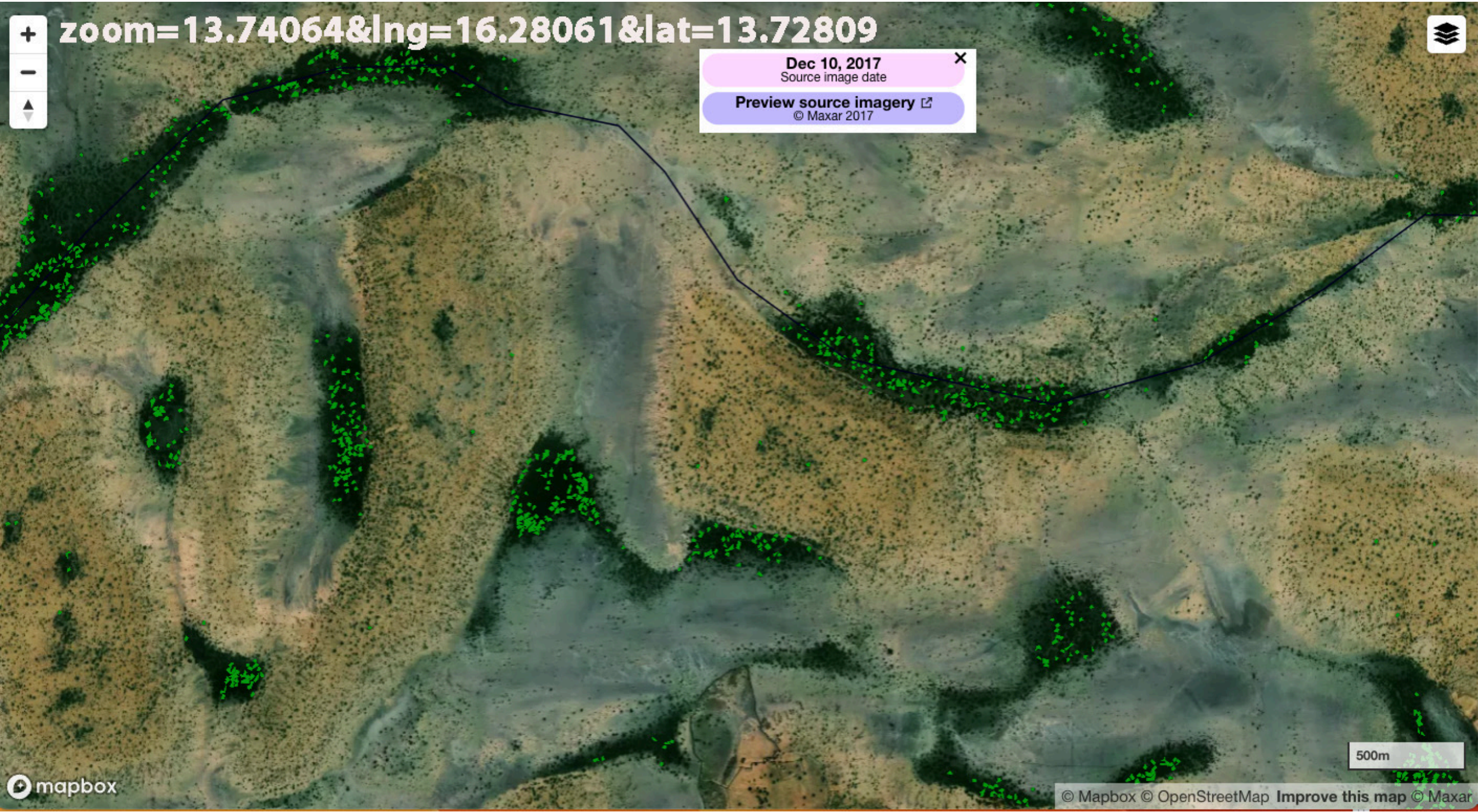

zoom=15.31359&lng=-8.22397&lat=18.09235
Dec 7, 2007
Source image date
Preview source imagery
© Maxar 2007
100 m
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map

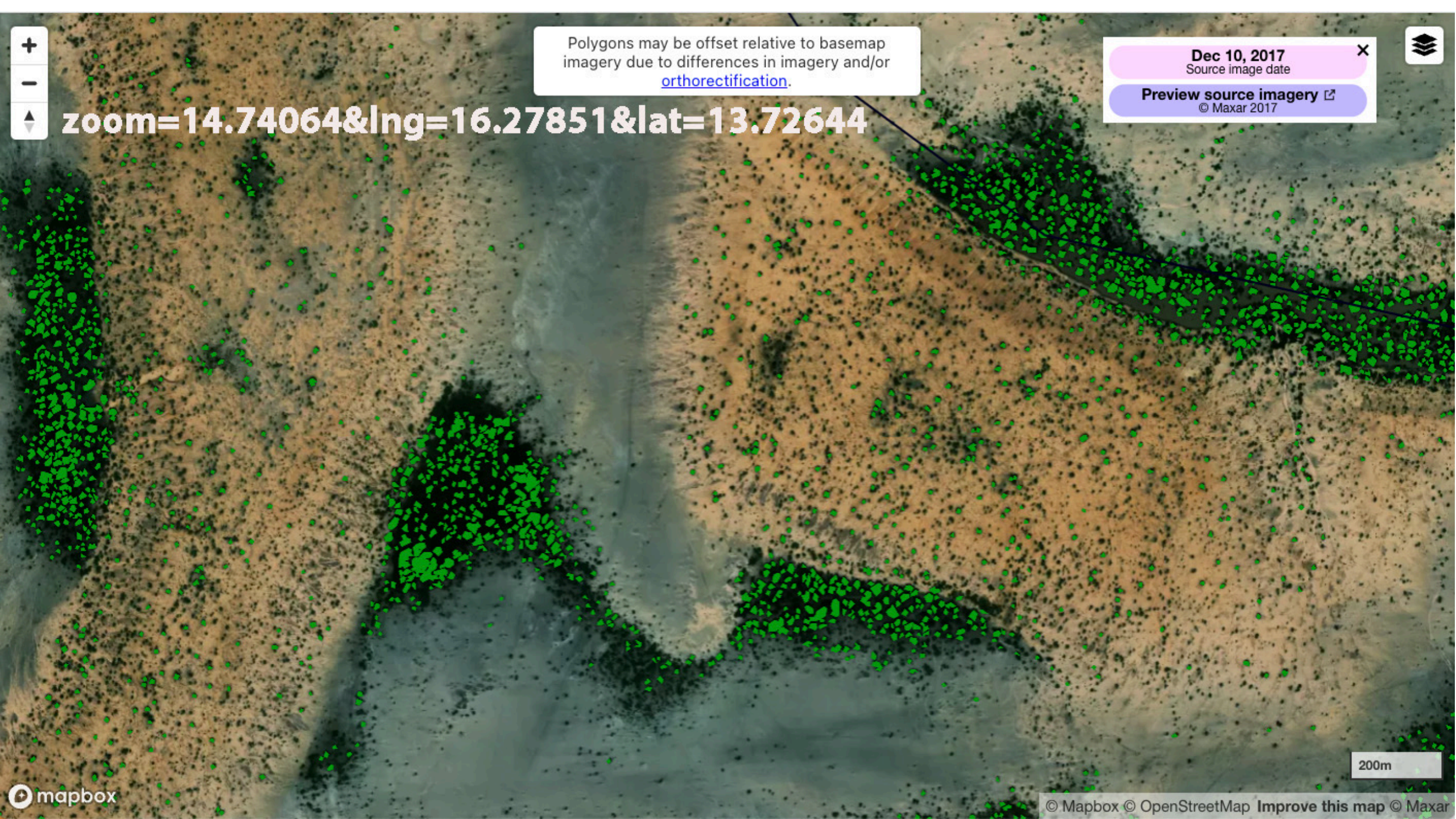

Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
Dec 7, 2007
Source image date
21 kg
Root carbon
81 kg
Wood carbon
3.2 kg
Leaf carbon
105 kg
Total carbon
-8.20567, 18.08352
0.27
NDVI
30.3 m²
Area
Preview source imagery
© Maxar 2007
zoom=14.31359&lng=-8.21528&lat=18.08550
300m
© Mapbox © OpenStreetMap Improve this map © Maxar


Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
zoom=16.31359&lng=-8.22255&lat=18.09354
Dec 7, 2007
Source image date
29 kg
Root carbon
109 kg
Wood carbon
4.1 kg
Leaf carbon
143 kg
Total carbon
-8.21938, 18.09528
0.26
NDVI
39.8 m²
Area
Preview source imagery
© Maxar 2007
50m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar


zoom=8.74064&lng=15.98643&lat=13.99615
Aerosol affected area
150mm annual rain
150mm annual rain
Dourgoulanga
Mélea
Mao
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
Mondo ودنوم
Ngouri
Moussoro
10km
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map


zoom=10.74064&lng=16.28061&lat=13.72809
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
Djemil
Kouri-Kouri 2
HILLÉ
BILLAH
Moussoro
3km
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

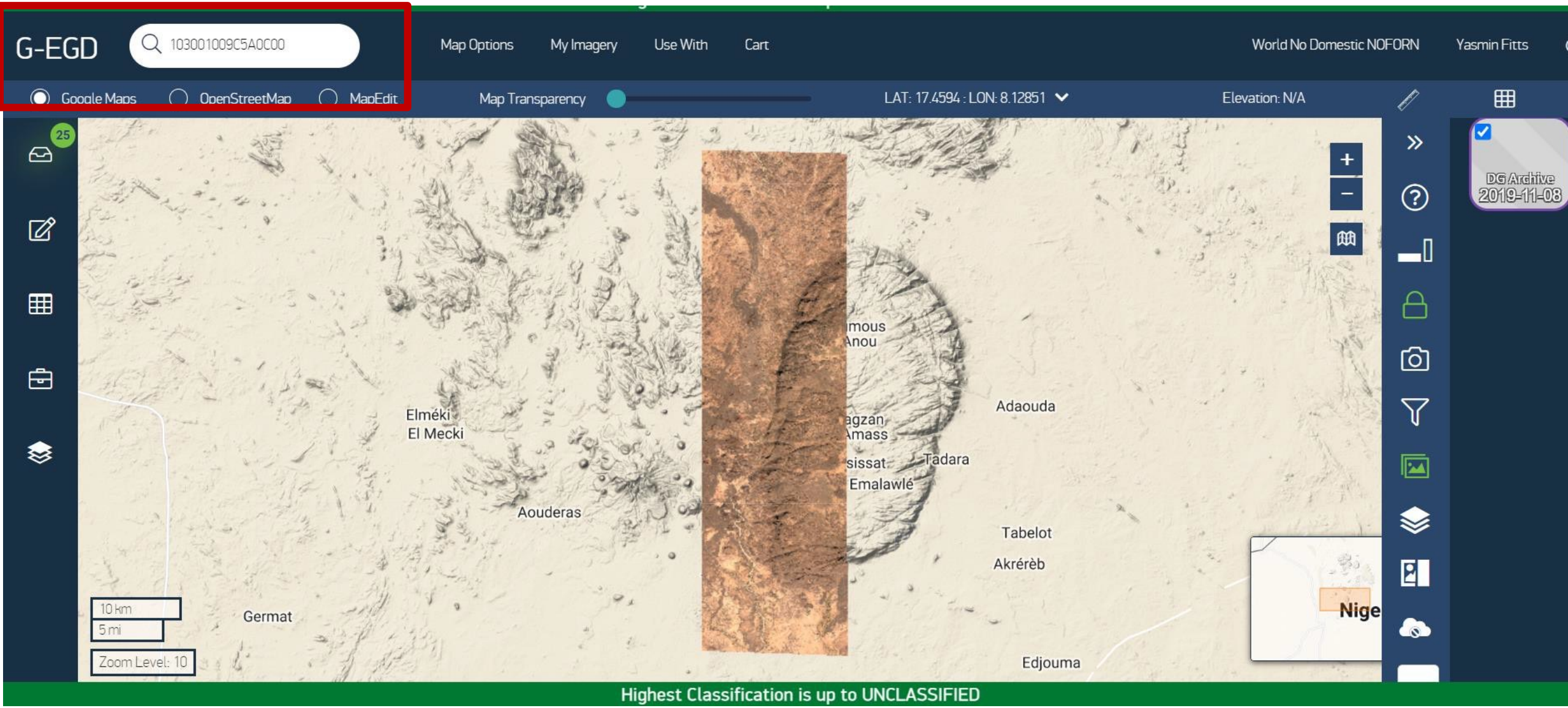

zoom=13.74064&lng=16.28061&lat=13.72809
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
500m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

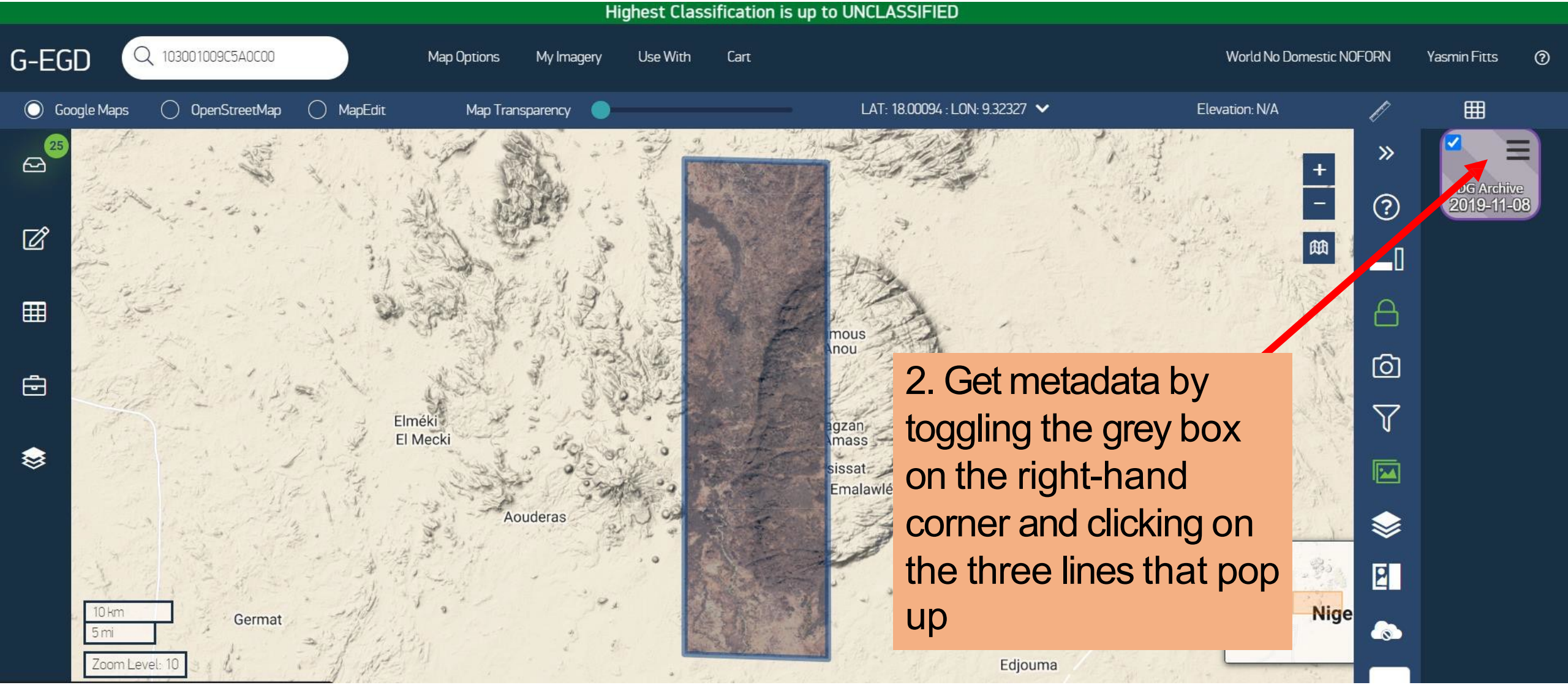

Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
zoom=14.74064&lng=16.27851&lat=13.72644
200m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

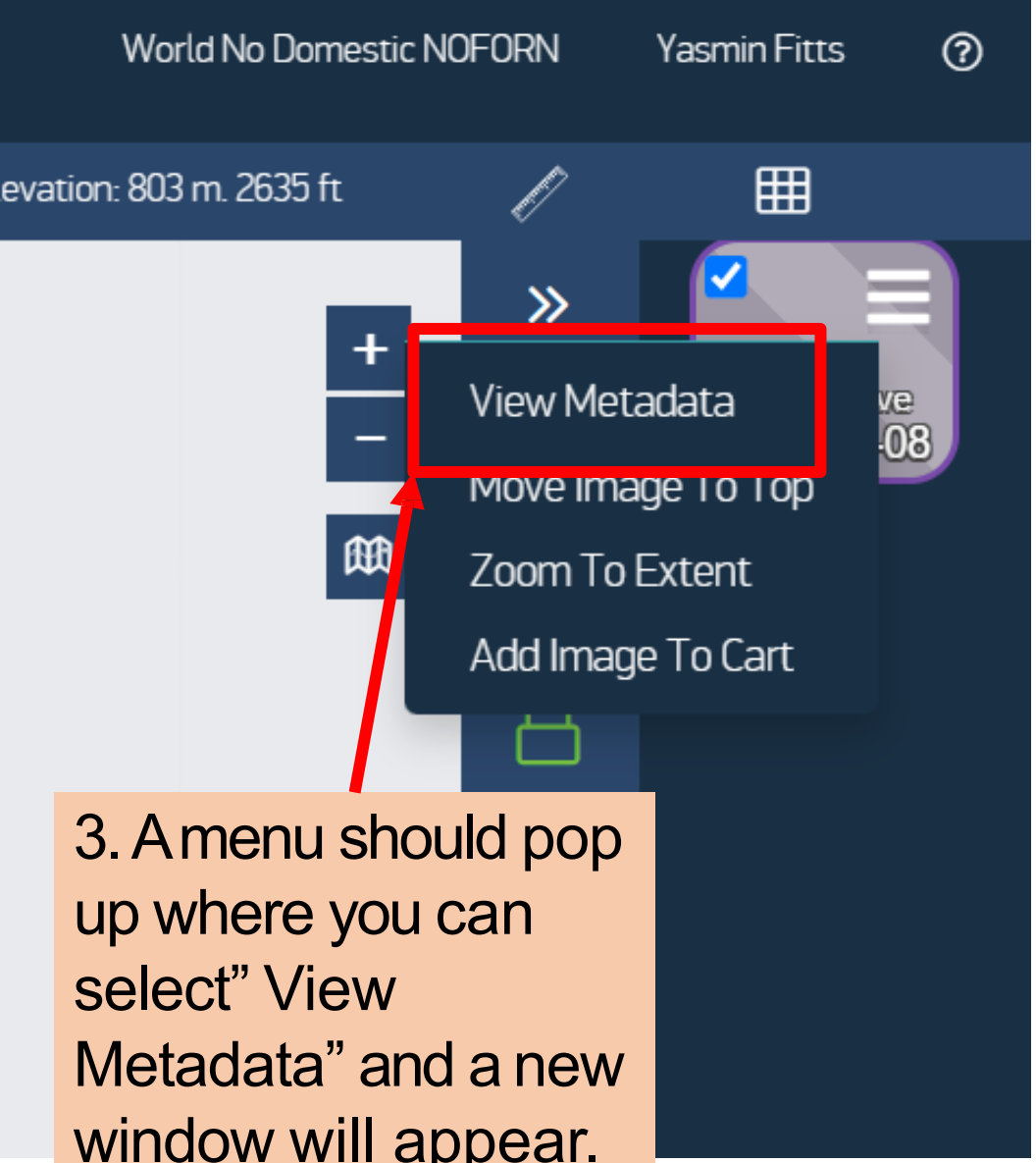
Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
zoom=16.74064&lng=16.27991&lat=13.72754
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
50m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxa

trees.pgc.umn.edu/app?zoom=18.74064&lng=16.27928&lat=13.72800
Polygons may be offset relative to basemap imagery due to differences in imagery and/or orthorectification.
zoom=18.74064&lng=16.27928&lat=13.72800
Dec 10, 2017
Source image date
Preview source imagery
© Maxar 2017
10m
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

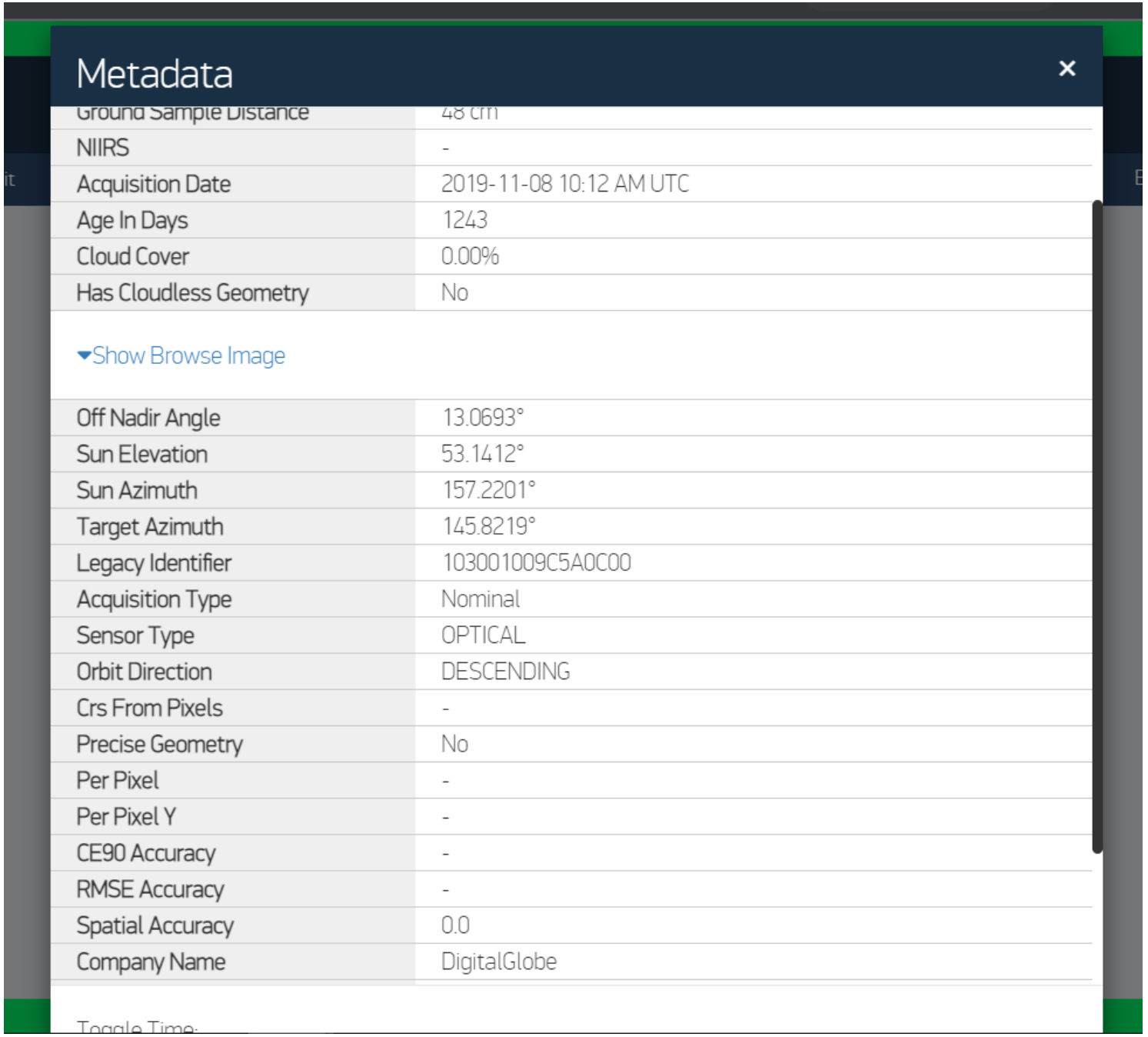
1. Search image id in https://evwhs.digitalglobe.com/ after login




Highest Classification is up to UNCLASSIFIED
G-EGD
103001009C5A0C00
Map Options
My Imagery
Use With
Cart
World No Domestic NOFORN
Yasmin Fitts
Google Maps
OpenStreetMap
MapEdit
Map Transparency
LAT: 18.00094 : LON: 9.32327
Elevation: N/A
25
DG Archive
2019-11-08
Elméki
El Mecki
Aouderas
Germat
Edjouma
10 km
5 mi
Zoom Level: 10
2. Get metadata by toggling the grey box on the right-hand corner and clicking on the three lines that pop up



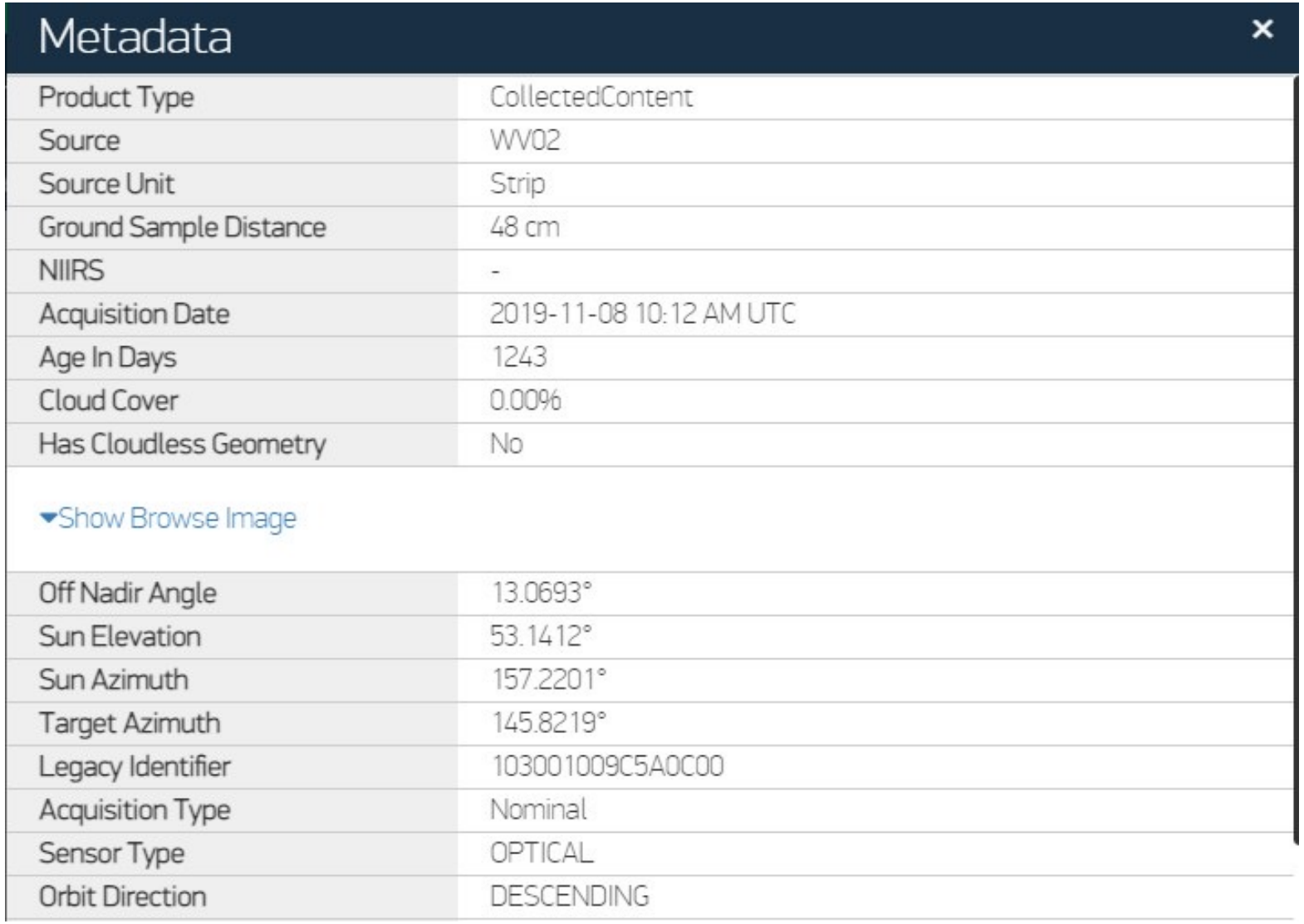
3. A menu should pop up where you can select" View Metadata" and a new window will appear.



Sample metadata for ID 103001009C5A0C00

A detailed list of metadata is provided by Maxar for the full image strip that was used for each mosaic cutline.

The metadata provides important information on image quality, which affects the tree detection algorithm.



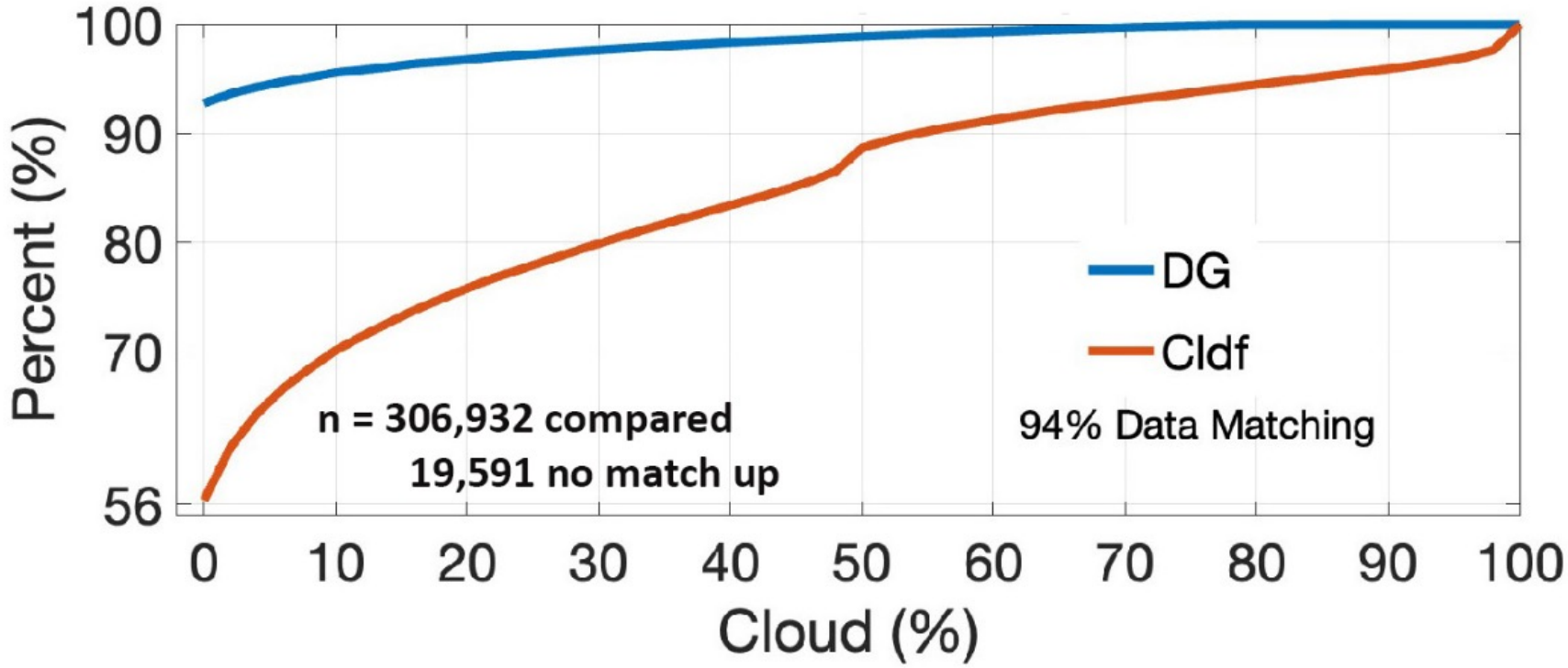
Metadata

Product Type	CollectedContent
Source	WV02
Source Unit	Strip
Ground Sample Distance	48 cm
NIIRS	-
Acquisition Date	2019-11-08 10:12 AM UTC
Age In Days	1243
Cloud Cover	0.00%
Has Cloudless Geometry	No

▾Show Browse Image

Off Nadir Angle	13.0693°
Sun Elevation	53.1412°
Sun Azimuth	157.2201°
Target Azimuth	145.8219°
Legacy Identifier	103001009C5A0C00
Acquisition Type	Nominal
Sensor Type	OPTICAL
Orbit Direction	DESCENDING

Comparison of MODIS and Maxar (DG) cloud fraction



Maxar uses a different cloud detection algorithm than MODIS, and the calculated area is a full image strip as opposed to the partial images input to the mosaic. Cloud cover percentages therefore may be different on Maxar metadata. Maxar does not include aerosol optical depth.