



Download Satellite Image from USGS

By

Assist.Lect. Reem Sh Hameed

تحميل الصور الفضائية من موقع (USGS)

يمكنكم زيارة الموقع الالكتروني لتحميل الصور عن طريق الضغط على الصورة في الأسفل:



او عن طريق الرابط التالي: <https://earthexplorer.usgs.gov>

بعد زيارة الموقع سوف تظهر النافذة الرئيسية

USGS
science for a changing world

EarthExplorer - Home

Page Expires In 1:58:50

Login Register Feedback Help

Search Criteria Data Sets Additional Criteria Results

1. Enter Search Criteria

To narrow your search area: type in an address or place name, enter coordinates or click the map to define your search area (for advanced map tools, view the [help documentation](#)), and/or choose a date range.

Geocoder KML/Shapelite Upload

Select a Geocoding Method
Address/Place

Address/Place

Show Clear

Polygon Circle Predefined Area

Degree/Minute/Second Decimal

☐ No coordinates selected.

Use Map Add Coordinate Clear Coordinates

Date Range Result Options

Search from: mm/dd/yyyy to: mm/dd/yyyy

Search months: (all)

Data Sets » Additional Criteria » Results »

Search Criteria Summary (Show)

Clear Search Criteria

(35° 06' 06" N, 054° 15' 01" E) Options

Leaflet | Tiles © Esri — Source: Esri, DigitalGlobe, GeoEye, IGN, IGP, UPR, e-GEBCO, and the GIS User Community © ESRI

يتم الضغط على Register ليتم تسجيل حساب في الموقع Register

بعدها ستظهر نافذة التسجيل التالية:

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EROS Registration System (ERS)

User Registration Cancel

User Credentials Contact Demographic Contact Information Complete Registration

Registration and login credentials are required to access all system features and download data from USGS EROS web services. To ensure privacy and security, ERS uses Hypertext Transfer Protocol with Secure Sockets Layer (HTTPS) to encrypt user authentication.

To register, please create a username and password. The information gathered from the registration process is not distributed to other organizations and is only used to determine trends in data usage. Review USGS Privacy Policies.

The Cancel button can be used to exit the registration process at any time and information entered will be lost.

Username

New Password

Confirm New Password

☐ I'm not a robot

Continue

Username Requirements

- Must be between 4 and 30 characters
- May contain alphabetic and numeric characters
- May only contain the following special characters
 - period "."
 - at sign "@"
 - underscore "_"
 - dash "-"

Password Requirements

- Must be between 12 and 24 characters
- Must contain at least one alphabetic character
- Must contain at least one numeric character
- May only contain the following special characters
 - comma ","
 - hyphen "-"
 - period "."
 - pipe "|"
 - pound "#"
 - underscore "_"

USGS number 1005-0150

يتم فيها كتابة (Username) مع مراعاة ان يكون غير مسجل من قبل، وأيضا يتم كتابة (Password) مكون من 12 حرف او رقم.

بعدها يتم التحويل الى نافذة المعلومات والتي يتم تحديدها كما في الصور ادناه:

GeoPointIRAQ

Cancel

User Registration

User CredentialsContact DemographicContact InformationComplete Registration

The Contact Demographic information identifies user affiliation and usage of the data. This information is used to gather statistics on data applications and types of organizations using remotely-sensed data.

All fields on this page are required.

In what sector do you work?

Academic Institution

Are you working on behalf of a U.S. Federal Agency?

No

Which of the following characterizes you as a user of remotely sensed data from USGS?

(Please check all that apply.)

☒ Data provider (provide data for someone else to use)

☒ Product developer (create products derived from Landsat imagery, such as land cover maps)

☒ Technical user (work on technical issues specifically related to the imagery, like calibration and validation)

☒ End user (apply data or products derived from the data to accomplish my work, including scientific research and education)

☒ Manager (supervise technical and/or end users; also may make decisions based on work which uses the data)

Other (please specify):

Does your work use remotely sensed data from the USGS?

Yes

Of your work that uses remotely sensed data from USGS, what percentage is operational and non-operational?

- Operational Work is defined as continuous or ongoing work that either relies on the consistent availability of remotely sensed data or is mandated or required (for example, crop reports, routine mapping, monitoring)
- Non-operational Work is defined as one-time projects or other work that is not mandated (for example, most scientific research)

Operational Work Percentage: 100%

(Use slider to set the Operational Percentage)

What is the primary application for which you have used remotely sensed data from USGS in the past year?

Education: university/college

In addition to the primary application, in what other areas have you used remotely sensed data from USGS in the past year?

Does your work use remotely sensed data from the USGS?

Yes

Of your work that uses remotely sensed data from USGS, what percentage is operational and non-operational?

- **Operational Work** is defined as continuous or ongoing work that either relies on the consistent availability of remotely sensed data or is mandated or required (for example, crop reports, routine mapping, monitoring)
- **Non-operational Work** is defined as one-time projects or other work that is not mandated (for example, most scientific research)

Operational Work Percentage: 100%

(Use slider to set the Operational Percentage)

What is the primary application for which you have used remotely sensed data from USGS in the past year?

Education: university/college

In addition to the primary application, in what other areas have you used remotely sensed data from USGS in the past year?

(Please check all that apply)

☐ I have not used it in other areas

☒ Agriculture forecasting

☒ Alternative energy exploration/development

☒ Biodiversity conservation

☒ Coastal science/monitoring/management

☒ Cultural resource management/anthropology/archaeology

☒ Ecological/ecosystem science/monitoring

☐ Education: university/college

☒ Energy/metals/minerals exploration/extraction/development

☒ Environmental regulation

☒ Fire science/management

☒ Geology

☒ Humanitarian aid

☒ Land use/land cover change

☒ Range/grassland science/management

☒ Recreation science/management

☒ Software development

☒ Technical training

☒ Urban planning and development

☒ Utilities

☒ Agricultural management/production/conservation

☒ Assessments and taxation

☒ Climate science/change

☒ Cryospheric science

☒ Defense/national security

☒ Education: K-12

☒ Emergency/disaster management

☒ Engineering/construction/surveying

☒ Fish and wildlife science/management

☒ Forest science/management

☒ Hazard insurance

☒ Law enforcement

☒ Public health

☒ Real estate/property management

☒ Rural planning and development

☒ Telecommunications

☒ Transportation

☒ Urbanization

☒ Water resources

Other Application

Over the next year, approximately how much of the remotely sensed data you acquire from USGS will you distribute to others to use as opposed to using it yourself?

All of the data

In addition to the primary application, in what other areas have you used remotely sensed data from USGS in the past year?

(Please check all that apply)

☐ I have not used it in other areas

- ☒ Agriculture forecasting
- ☒ Alternative energy exploration/development
- ☒ Biodiversity conservation
- ☒ Coastal science/monitoring/management
- ☒ Cultural resource management/anthropology/archaeology
- ☒ Ecological/ecosystem science/monitoring
- ☐ Education: university/college
- ☒ Energy/metals/minerals exploration/extraction/development
- ☒ Environmental regulation
- ☒ Fire science/management
- ☒ Geology
- ☒ Humanitarian aid
- ☒ Land use/land cover change
- ☒ Range/grassland science/management
- ☒ Recreation science/management
- ☒ Software development
- ☒ Technical training
- ☒ Urban planning and development
- ☒ Utilities

- ☒ Agricultural management/production/conservation
- ☒ Assessments and taxation
- ☒ Climate science/change
- ☒ Cryospheric science
- ☒ Defense/national security
- ☒ Education: K-12
- ☒ Emergency/disaster management
- ☒ Engineering/construction/surveying
- ☒ Fish and wildlife science/management
- ☒ Forest science/management
- ☒ Hazard insurance
- ☒ Law enforcement
- ☒ Public health
- ☒ Real estate/property management
- ☒ Rural planning and development
- ☒ Telecommunications
- ☒ Transportation
- ☒ Urbanization
- ☒ Water resources

Other Application

Over the next year, approximately how much of the remotely sensed data you acquire from USGS will you distribute to others to use as opposed to using it yourself?

All of the data ▼

Over the next year, how important will free and open access to remotely sensed data from USGS be to conducting your work?

Very Important ▼

Continue

OMB number 1028-0119
OMB expiration date 08/31/2021

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بعدها يتم ملئ معلومات الحساب الشخصية:

GeoPoint.IRAQ

Cancel

User Registration

User CredentialsContact DemographicContact InformationComplete Registration

Enter the address where we can contact you. Per our [privacy policy](#), we do not share any information that you provide.
Contact [User Services](#) if you are a business partner or if you qualify for special ordering options.

First Name

Last Name

Company/Organization

Address 1

Address 2

Country

Select a Country

City

State/Province

Example: SD, South Dakota, sd, south dakota

Select a Country ▼

City

State/Province

Example: SD, South Dakota, sd, south dakota

Zip/Postal Code

Use ZIP/Postal if your country has one

E-mail

Email Address must be unique

Retype E-mail

Alternative E-mail

Telephone

Example: XXXXXXXXXXX, XXX XXX XXXX, XXX-XXX-XXXX. (Phone # used only if we have questions about an order)

Fax

Continue

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بعدها يتم استعراض المعلومات التي تم أدرجها لتأكيد خيارات المستخدم.

GeoPoint.IRAQ

Cancel

User Registration

User CredentialsContact DemographicContact InformationComplete Registration

Please review the information before completing the registration process. Return to the User Credentials, Contact Demographic, or Contact Information tab to make changes.

User Information

Username: GeoPoint.IRAQ

Contact Information

Name:Address

Email:

Alternate Email:

Telephone:

Demographic Information

Operational Work Percentage: 100%

Non-Operational Work Percentage: 0%

Free and Open Access Importance: Very Important

Distribution Amount: All of the data

Primary Usage: Education: university/college

Secondary Usage: Agriculture forecasting, Agricultural management/production/conservation, Alternative energy exploration/development, Assessments and taxation, Biodiversity conservation, Climate science/change, Coastal science/monitoring/management, Cryospheric science, Cultural resource management/anthropology/archaeology, Ecological/ecosystem science/monitoring, Education: K-12, Emergency/disaster management, Energy/metals/minerals exploration/extraction/development, Engineering/construction/surveying, Environmental regulation, Fish and wildlife science/management, Fire science/management, Forest science/management, Geology, Humanitarian aid, Hazard insurance, Land use/land cover change, Law enforcement, Defense/national security, Public health, Range/grassland science/management, Real estate/property management, Recreation science/management, Rural planning and development, Software development, Telecommunications, Technical training, Transportation, Urban planning and development, Urbanization, Utilities, Water resources

Usage Characteristics: Data Provider, Product Developer, Technical User, End User, Manager

Affiliation

Academic Institution

Submit Registration


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بعدها يتم الضغط على Submit Registration والذهاب الى الایمیل لتأكيد الحساب.

بعد تسجيل الدخول من النافذة:



science for a changing world

EROS Registration System (ERS)

ERS consolidates user profile and authentication for all EROS web services into a single independent application.

Sign In

sign in with your existing USGS registered username and password

[forgot password?](#)

Sign In

Don't have an account?

Create New Account

OMB number 1028-0119
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نعود مجددا الى النافذة الرئيسية:

نحدد المنطقة التي يراد تحميل الصورة الفضائية لها عن طريق كتابتها في Address/Place.

نحدد وقت التقاط الصورة الفضائية من Data Range.

بعدها نضغط على Data Sets.

يتم الانتقال الى النافذة التالية:

Home Save Criteria Load Favorite Manage Criteria

Item Basket (0) GeoPointIRAQ Feedback Help

Search Criteria Data Sets Additional Criteria Results

2. Select Your Data Set(s)
Check the boxes for the data set(s) you want to search. When done selecting data set(s), click the Additional Criteria or Results buttons below. Click the plus sign next to the category name to show a list of data sets.

☐ Use Data Set Profiler [\(What's This?\)](#)

Data Set Search:

☐ Digital Maps
☐ EO-1
☐ Global Fiducials
☐ HCMM
☐ ISERV
☐ Land Cover
☐ Landsat ☒
 ☐ Landsat Collection 1 Level-3
 ☐ Landsat Analysis Ready Data (ARD)
 ☐ Landsat Collection 1 Level-2 (On-Demand)
 ☐ Landsat Collection 1 Level-1
 ☐ Landsat 8 OLI/TIRS C1 Level-1
 ☐ Landsat 7 ETM+ C1 Level-1
 ☐ Landsat 4-5 TM C1 Level-1
 ☐ Landsat 1-5 MSS C1 Level-1
☐ Landsat Legacy
☐ NASA LPDAAC Collections
☐ Radar
☐ Sentinel
☐ UAS

Clear All Selected Additional Criteria Results

Search Criteria Summary (Show)

Clear Search Criteria

(25° 58' 51" N, 54° 53' 27" E) Options

LEBANON SYRIA JORDAN IRAQ KUWAIT

Beirut Amman Baghdad Basra Kuwait City Manama

Source: Esri, DeLorme, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, UPR-EGP, and the GIS User Community, ESRI

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نختار القمر Landsat من قائمة الاختيارات Landsat وبعدها Landsat Collection وبعدها
Landsat Collection 1 level 1 ثم نضع علامة ✓ امام Landsat 8 OLI.
ثم نضغط على Result للحصول على النتيجة.

تظهر لنا قائمة بنتائج الاختيار كما موضحة في الصورة:

Home Save Criteria Load Favorite Manage Criteria Item Basket (0) GeoPoint.IRAQ [Sign In](#) [Feedback](#) [Help](#)

Search Criteria Data Sets Additional Criteria Results

4. Search Results

If you selected more than one data set to search, use the dropdown to see the search results for each specific data set.

Show Result Controls

Data Set [Click here to export your results](#)

Landsat 8 OLI/TIRS C1 Level-1

« First » Previous 1 Next » Last »

Displaying 1 - 10 of 100

1		ID:LC08_L1TP_169037_20191225_20191225_01_RT Acquisition Date:25-DEC-19 Path:169 Row:37
2		ID:LC08_L1TP_169037_20191218_20191226_01_T1 Acquisition Date:18-DEC-19 Path:169 Row:37
3		ID:LC08_L1TP_169037_20191209_20191217_01_T1 Acquisition Date:09-DEC-19 Path:169 Row:37
4		ID:LC08_L1GT_169037_20191202_20191216_01_T2 Acquisition Date:02-DEC-19 Path:169 Row:37

[View Item Basket](#) [Submit Standing Request](#)

Search Criteria Summary (Show)

Clear Search Criteria

(26° 44' 44" N, 54° 25' 53" E) Options



Leaflet | Tiles © Esri — Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Geomapping, Aerogrid, IGN, IGP, UPR-EGP, and the GIS User Community, ESRI

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لإعطاء تقرير عن معلومات الصورة.



لتحميل الصورة الفضائية.



لعرض مساحة الصورة الفضائية على الخريطة.



لعرض الصورة الفضائية على الخريطة.



تقرير الصورة الفضائية

Full Display of LC08_L1TP_168037_20191218_20191226_01_T1	
Data Set Attribute	Attribute Value
Landsat Product Identifier	LC08_L1TP_168037_20191218_20191226_01_T1
Landsat Scene Identifier	LC81680372019352LGN00
Acquisition Date	2019/12/18
Collection Category	T1
Collection Number	1
WRS Path	168
WRS Row	037
Target WRS Path	168
Target WRS Row	037
Nadir/Off Nadir	NADIR
Roll Angle	-.001
Date L-1 Generated	2019/12/26
Start Time	2019:352:07:33:38.6297120
Stop Time	2019:352:07:34:10.3997110
Station Identifier	LGN
Day/Night Indicator	DAY
Land Cloud Cover	21.05

Open New Window Close

يجب مراعاة التقرير عن الصورة الفضائية من نسبة غيوم ووقت التقاط الصورة وغيرها.

تحميل الصورة الفضائية.

سوف تظهر لنا عدة خيارات نختار منها **Level-1 GeoTIFF data Product**.



ANY
QUESTIONS?

