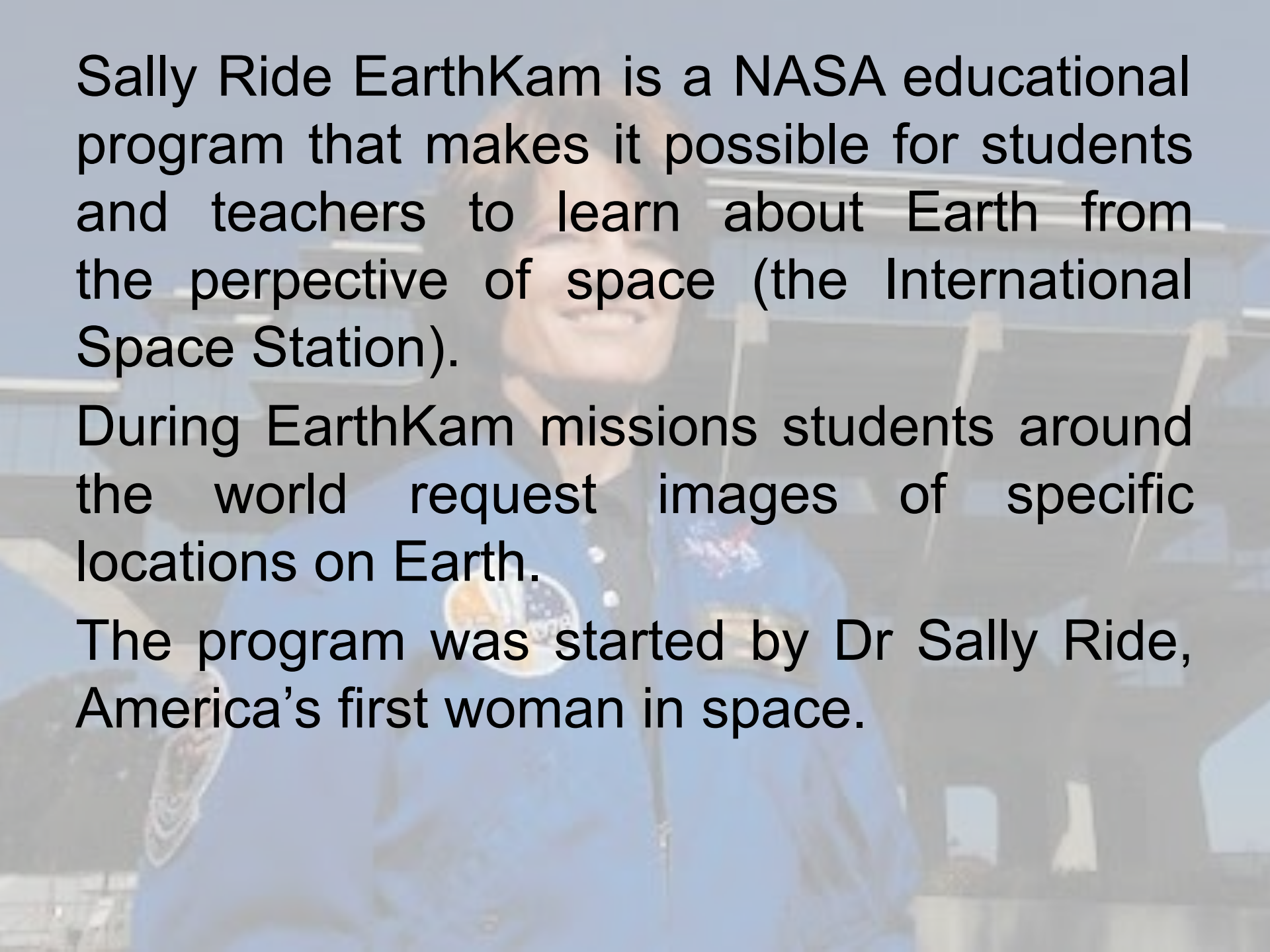


What is EarthKam?





Sally Ride EarthKam is a NASA educational program that makes it possible for students and teachers to learn about Earth from the perspective of space (the International Space Station).

During EarthKam missions students around the world request images of specific locations on Earth.

The program was started by Dr Sally Ride, America's first woman in space.

1. Enter the page

The screenshot shows a web browser window with the URL <https://earthkam.ucsd.edu/>. The page is titled "Sally Ride EarthKAM on the International Space Station" and is administered by NASA and Sally Ride Science. The navigation menu includes HOME, ABOUT, IMAGES, ACTIVITIES, and HELP, along with a "Log in or Create account" link. The main banner features a satellite image of Earth with the text "Register now to participate in the November 4th - 7th mission." and a "Learn more" button. Below the banner, the "SIGN UP TODAY" section includes "STEP 1: Log in or Create an account" and "STEP 2: Sign up for the next mission". The "ON A MISSION" section includes "STEP 3: Enter the Mission Operations Center", "STEP 4: Request images from the ISS", and "STEP 5: View and analyze images". The Windows taskbar at the bottom shows the time as 18:56 on 2014-11-01.

Sally Ride EarthKAM
on the International Space Station

A NASA mission administered by SALLY RIDE SCIENCE

HOME ABOUT IMAGES ACTIVITIES HELP Log in or Create account

Register now to participate in the
November 4th - 7th mission.
[Learn more >](#)

SIGN UP TODAY

STEP 1
Log in or Create an account

STEP 2
Sign up for the next mission

ON A MISSION

STEP 3
Enter the Mission Operations Center

STEP 4
Request images from the ISS

STEP 5
View and analyze images

18:56
2014-11-01

2. Click on the login and type in the box
Login.....

(given by the
teacher)

Password.....

The screenshot shows a web browser window with the URL <https://earthkam.ucsd.edu/>. The page title is "Sally Ride EarthKAM | Home". A central modal window displays the "Sally Ride EarthKAM Mission: November 4 - 7, 2014". This modal contains two login sections: "MISSION LOGIN" and "TEACHER LOGIN".

MISSION LOGIN

Log in to access the Mission Operations Center to view and request images during a mission.

Username: ilo

Password: [masked]

Log in [Forgot password?](#)

TEACHER LOGIN

Log in to your teacher account to join and manage upcoming missions.

Username: [empty]

Password: [empty]

Log in [Forgot password?](#)

New to Sally Ride EarthKAM?

Create an account so you can join Sally Ride EarthKAM missions. It's free for schools and educators.

Benefits of joining Sally Ride EarthKAM:

- Request images from space
- Learn about the challenges, excitement, and responsibilities in space missions
- Fulfills [National Science Education Teaching Standards](#)

CREATE ACCOUNT

At the bottom of the modal, there are links: "Create an account", "the next mission", "Operations Center", "from the ISS", and "Images". The Windows taskbar at the bottom shows the time as 19:07 on 2014-11-01.

3. After you log in, you get such a screen and the numbers of the available orbits.

The screenshot shows the EarthKAM Mission Operations Center website. The browser address bar displays <https://earthkam.ucsd.edu/smoc>. The page title is "EarthKAM | Mission Operati...". The main navigation bar includes links: Welcome, Image Request, View Requests, School Gallery, Weather, Status, and Help. The "Status" link is highlighted in red.

Welcome to the Mission Operations Center!

Currently there is a mission scheduled for October 28th through the 31st.

EarthKAM will be staffed today from 8AM to 4PM PST. If you have any questions or concerns, please contact us at ek-help@earthkam.ucsd.edu.

Buttons: Make Image Request, View All Requests, School Gallery

10 Most Recent Request Updates
No requests found.

Current and Upcoming Orbits

KEY	Current orbit ?	Next orbit deadline ?	Orbits with the same deadline		
Orbit	Longitude Day	UTC Day	Longitude Night	UTC Night	Deadline
3313	172.831° W	308/17:32:16	5.417° W	308/18:18:24	308/16:00:00
3314	164.095° E	308/19:05:17	28.499° W	308/19:51:25	308/17:05:17
3315	141.021° E	308/20:38:18	51.384° W	308/21:24:26	308/18:38:18
3316	117.952° E	308/22:11:19	74.455° W	308/22:57:26	308/20:11:19
3317	94.89° E	308/23:44:20	97.49° W	309/00:30:27	308/21:44:20
3318	71.826° E	309/01:17:20	120.521° W	309/02:03:28	308/23:00:00
3319	48.768° E	309/02:50:21	143.584° W	309/03:36:28	308/23:00:00
3320	25.715° E	309/04:23:21	166.603° W	309/05:09:29	308/23:00:00

GMT Clock
2014/305/18:02:10
November 1, 2014

Current Orbit
no current orbit found
Upcoming Deadline
2014/308/16:00:00

Help
You can learn how to use the Mission Operations Center by visiting the Help section for a quick tutorial.
Or, you can start by visiting the Status section.

Windows taskbar at the bottom shows the time as 19:09 on 2014-11-01.

4. Click on the *make image request* and you'll get this:

The screenshot displays the EarthKAM Mission Operations website in a web browser. The address bar shows the URL <https://earthkam.ucsd.edu/smoc>. The page title is "SR EarthKAM | Mission Operati...".

Step 1: Select an orbit range to display on the map.

Radio buttons for orbit ranges:

- ☐ Hide orbits
- ☒ Orbits 3313 - 3317
- ☐ Orbits 3318 - 3322
- ☐ Orbits 3323 - 3327
- ☐ Orbits 3328 - 3332
- ☐ Orbits 3333 - 3337
- ☐ Orbits 3338 - 3342
- ☐ Orbits 3343 - 3347
- ☐ Orbits 3348 - 3352
- ☐ Orbits 3353 - 3357
- ☐ Orbits 3358 - 3362
- ☐ Orbits 3363 - 3367
- ☐ Orbits 3368 - 3370

Step 2: Click on the map below to select a point. You will be shown the point along the orbit ground track where the image will be taken. Images can only be taken during **daylight periods.**

[Reset map]

KEY — Day — Night

The map shows the Earth with satellite orbits. Red lines represent daylight periods, and blue lines represent nighttime. A red pin is placed on the map over the Atlantic Ocean, near the equator. The map is labeled with "Mapa" and "Satelita".

Google

Zdjęcie satelitarne ©2014 NASA, TerraMetrics | Warunki korzystania z programu

Set your location: Latitude ° ☐ N ☐ S Longitude ° ☐ E ☐ W Go ?

Help

no current orbit found
Upcoming Deadline
2014/308/16:00:00

Choose an orbit with an active deadline (found from the Status section).

Click on the map to set a point on an orbit track.

is your image opportunity. The **Image Request Info** table below shows information about it.

Click on the [Request Image] button. Enter a new codeword.

Enter the data you see from Image Request Info into the Image Request form.

Repeat for new image requests. Or go to View Requests to check on submitted requests.

5. CD Procedure

Tick the chosen orbit; there are 12 to choose from. You can only take pictures on the day orbits are red. Tick a place you want to photograph on a red line; a small circle appears. You can make it bigger to have a better quality of the picture.

Follow the next slide as an example.

SR <https://earthkam.ucsd.edu/smoc>

SR EarthKAM | Mission Operati...

[\[Reset map\]](#)


KEY



Day


Night


Mapa

Satelita




 Set your location: Latitude ° ☐ N ☒ S Longitude ° ☐ E ☒ W Go 


 Current mouse position: 3.11° S, 59.40° W

Distance from Groundtrack  0.00 mi (0.01 km)

Step 3: Make your image request using the information below.

 Image Request Info


Click on the map to set a point on an orbit track.

 is your image opportunity. The **Image Request Info** table below shows information about it.

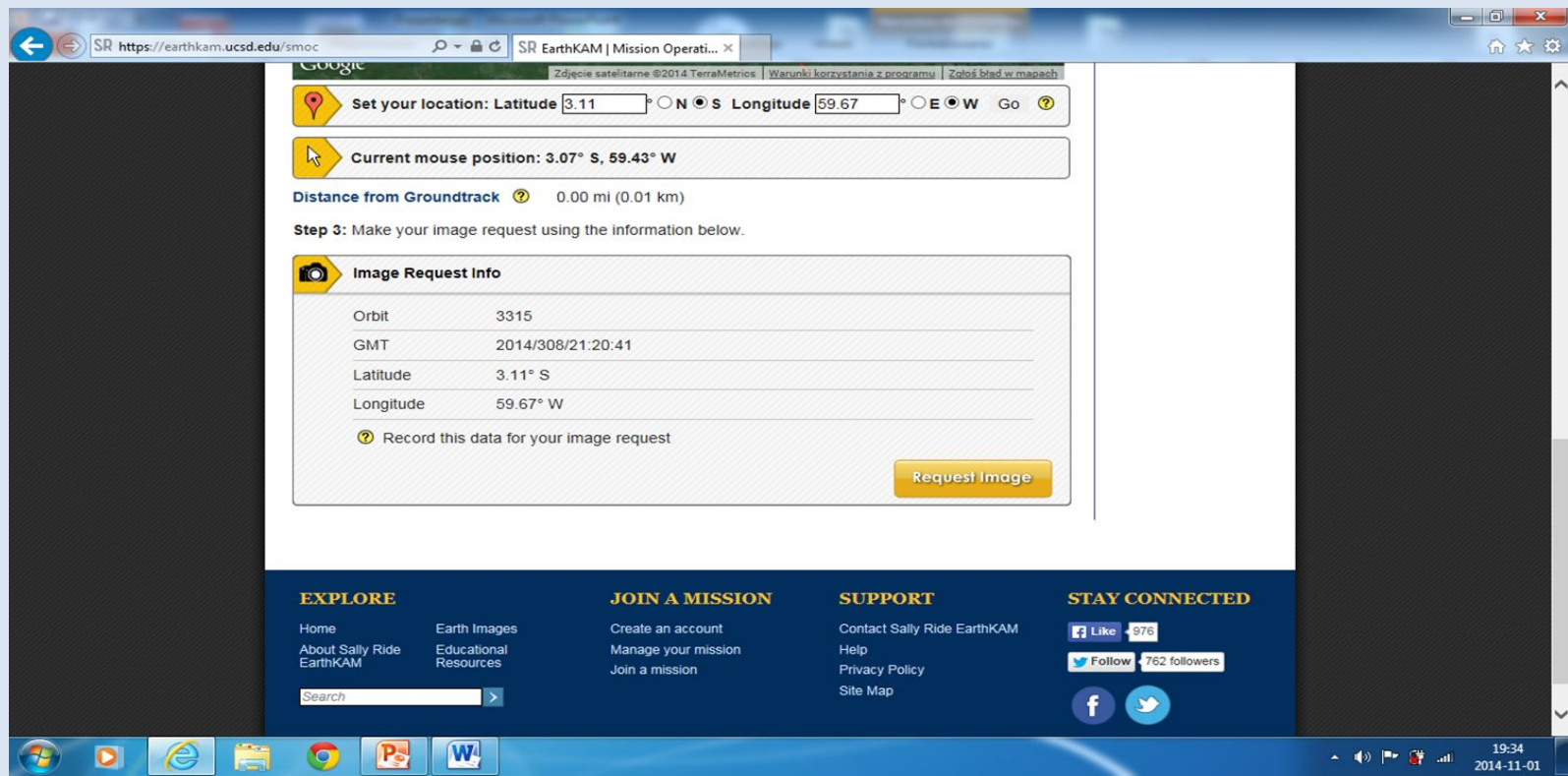
Click on the [Request Image] button. Enter a new codeword.

Enter the data you see from Image Request Info into the Image Request form.

Repeat for new image requests. Or go to View Requests to check on submitted requests.



6. If you have chosen the best place on the orbit, there appears ***0,01 km in the Distance from Groundtrack*** . If you switch the picture from satellite to a map, you get either a satellite view or a map with the names of all the objects. When you are sure about the place to be photographed, click on the ***request image***.



7. Write your codeword in the window - each person gets seven codes (one for a picture)

The screenshot shows a web browser window at <https://earthkam.ucsd.edu/smoc>. The page is titled "SR EarthKAM | Mission Operati...".

Location and Position Information:

- Set your location:** Latitude ° N ● S Longitude ° E ● W Go ?
- Current mouse position:** 3.07° S, 59.43° W
- Distance from Groundtrack:** 0.00 mi (0.01 km)

Step 3: Make your image request using the information below.

Image Request Info

Orbit	3315
GMT	2014/308/21:20:41
Latitude	3.11° S
Longitude	59.67° W

? Record this data for your image request

Image Request

Mission*

Codeword*

EXPLORE

- Home
- About Sally Ride EarthKAM
- Earth Images
- Educational Resources

JOIN A MISSION

- Create an account
- Manage your mission
- Join a mission

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19:37
2014-11-01

8. If you haven't made any mistakes, there appears the window like the one here. In case of an error, there appears a notice giving directions how to correct it. Then you click ***submit***, choose the small window and start the procedure from the beginning.

The screenshot shows a web browser window at <https://earthkam.ucsd.edu/smoc>. The page displays the EarthKAM Mission Operations interface. At the top, there's a location setting bar with Latitude 3.11 and Longitude 59.67. Below it, the current mouse position is 3.07° S, 59.43° W, and the distance from the ground track is 0.00 mi (0.01 km). The main section is titled "Step 3: Make your image request using the information below." and contains an "Image Request Info" table with the following data:

Image Request Info	
Orbit	3315
GMT	2014/308/21:20:41
Latitude	3.11° S
Longitude	59.67° W



Below the table is a link: "Record this data for your image request". To the right, an "Image Request" modal window is open, displaying a green message: "Codeword accepted, please make your request." The form fields are as follows:


- Mission: ISS14_10
- Codeword: ii39800001
- Orbit*: [text input]
- GMT*: [text input] (format: yyyy/ddd/hh:mm:ss)
- Latitude*: 0.00 [radio North] [radio South]
- Longitude*: 0.00 [radio East] [radio West]
- Location: [text input]
- Reason and description: [text area]


At the bottom of the modal are "Submit" and "Close window" buttons. The footer of the page includes links for "EXPLORE" (Home, Earth Images, About Sally Ride EarthKAM, Educational Resources) and "JOIN A MISSION" (Create an account, Manage your mission, Join a mission), along with a search bar. The Windows taskbar at the bottom shows the time as 19:50 on 2014-11-01.

SR <https://earthkam.ucsd.edu/smoc>


SR EarthKAM | Mission Operati...

 Set your location: Latitude ☐ N ☒ S Longitude ☐ E ☒ W Go 

 Current mouse position: 3.07° S, 59.43° W

Distance from Groundtrack  0.00 mi (0.01 km)

Step 3: Make your image request using the information below.

 Image Request Info

Orbit	3315
GMT	2014/308/21:20:41
Latitude	3.11° S
Longitude	59.67° W


 Record this data for your image request

Image Request

Codeword accepted, please make your request.

Mission

ISS14_10

Codeword

il39800001

Orbit*

GMT*

(format: yyyy/dd/hh:mm:ss)

Latitude*

☐ North ☒ South

Longitude*

☐ East ☒ West

Location

Reason and description

Letters, numbers, and the characters * ! ? () are allowed


Submit

Close window

EXPLORE

Home

About Sally Ride EarthKAM



Earth Images

Educational Resources

JOIN A MISSION

Create an account

Manage your mission

Join a mission



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19:53


2014-11-01

SR <https://earthkam.ucsd.edu/smoc>


SR EarthKAM | Mission Operati...

 Set your location: Latitude ° ☐ N ☒ S Longitude ° ☐ E ☒ W Go 

 Current mouse position: 3.07° S, 59.43° W

Distance from Groundtrack  0.00 mi (0.01 km)

Step 3: Make your image request using the information below.

 Image Request Info



Orbit	3315
GMT	2014/308/21:20:41
Latitude	3.11° S
Longitude	59.67° W
 Record this data for your image request	

Image Request 

Success! Photo request accepted. You may continue to request photos.


Mission*

Codeword*

EXPLORE

[Home](#)
[About Sally Ride EarthKAM](#)


[Earth Images](#)
[Educational Resources](#)







JOIN A MISSION

[Create an account](#)
[Manage your mission](#)
[Join a mission](#)

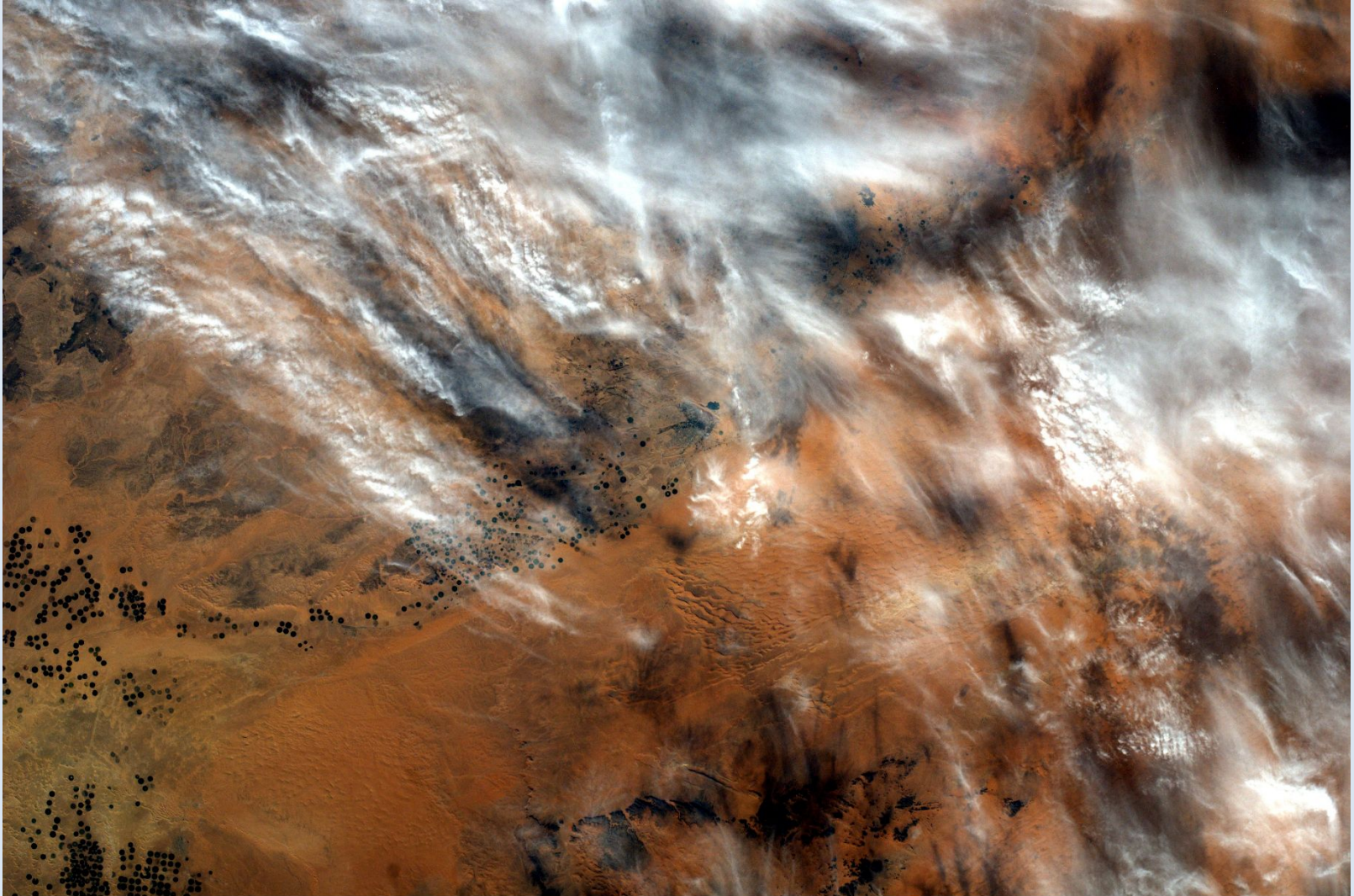
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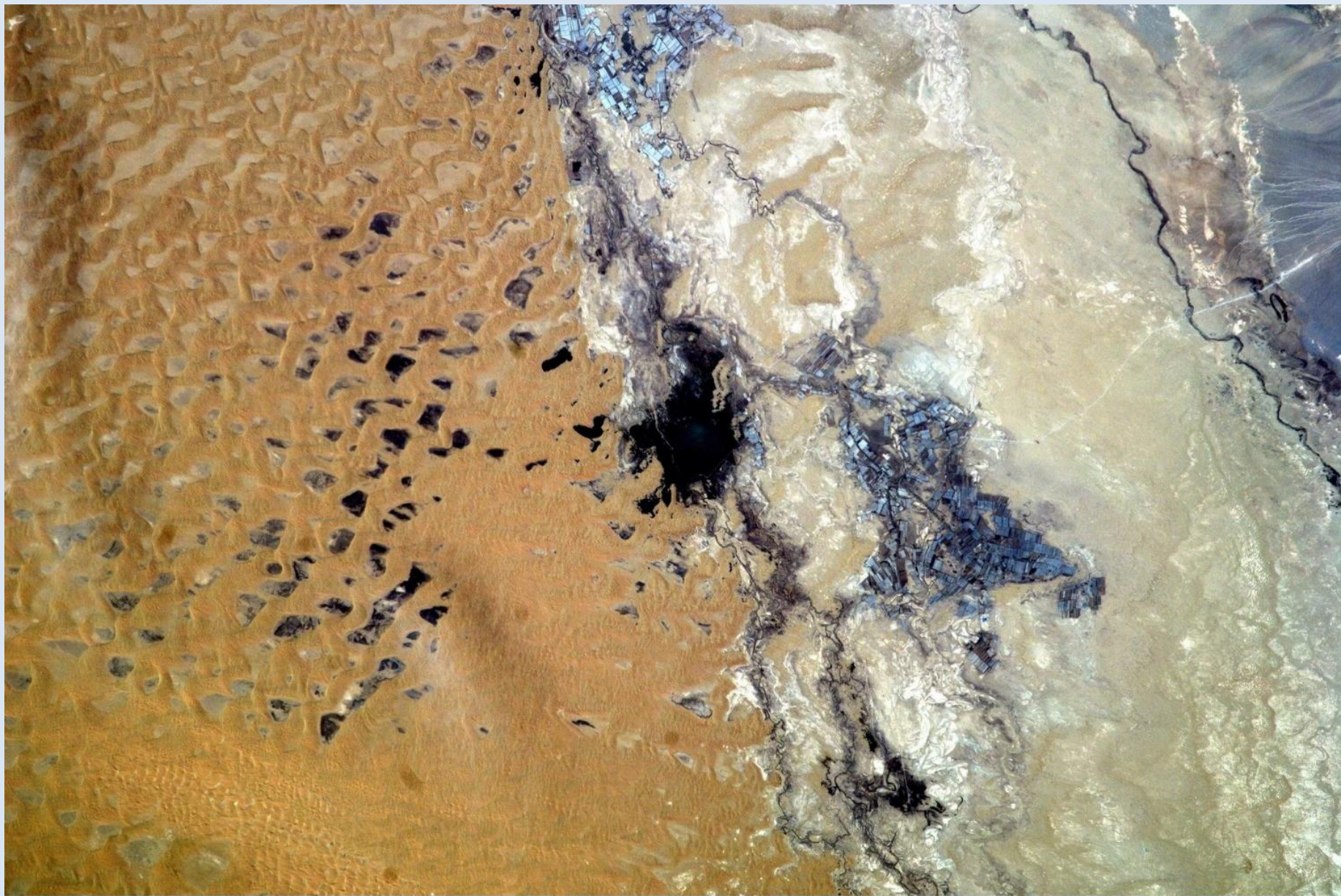
20:00
2014-11-01

Here are our pictures from the previous EarthKam missions.



Damian Sowa IC

Arabia Saudyjska 29.83° N, 39.73° E



Damian Sowa Ilc

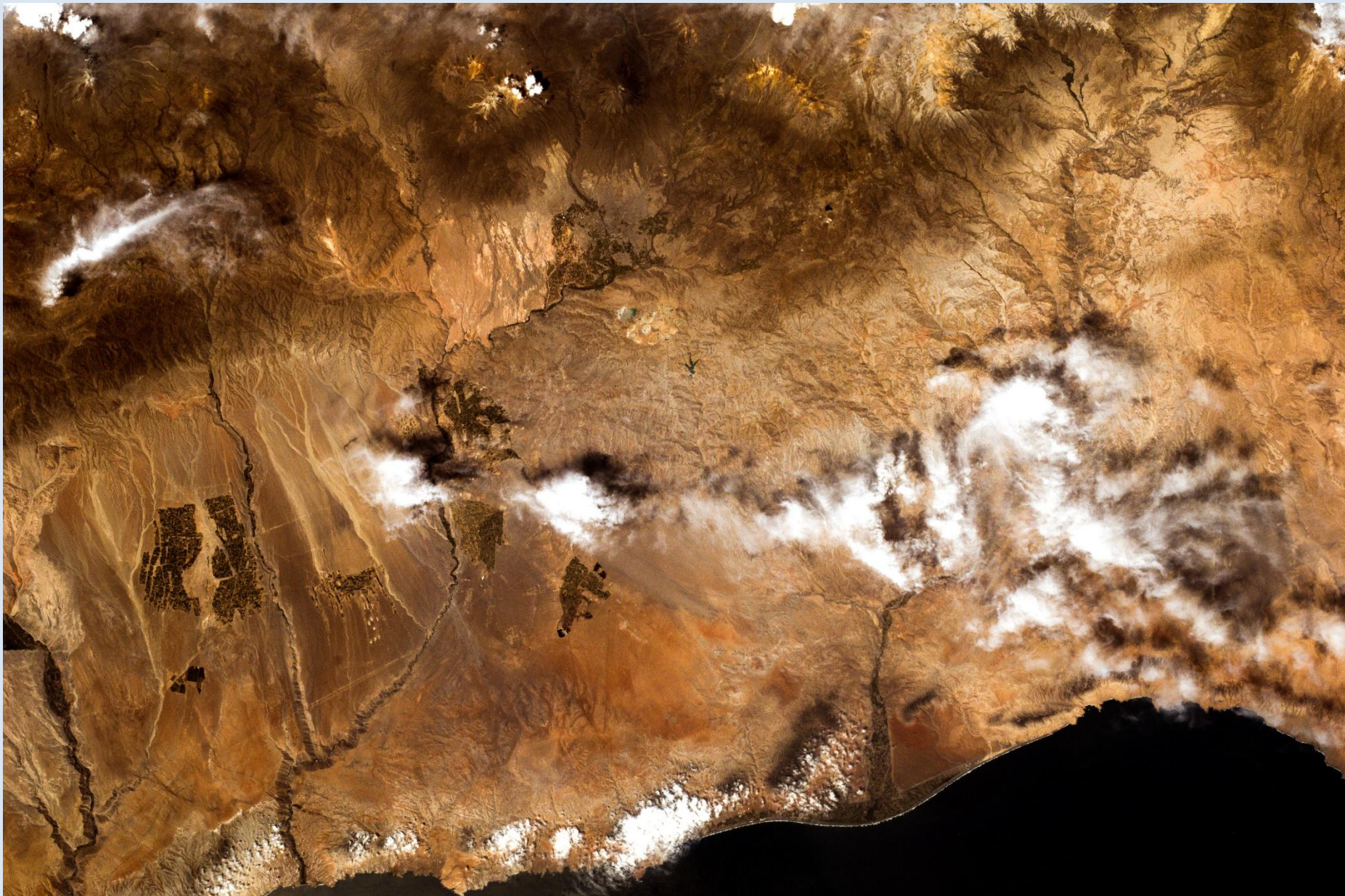
Sinciang, Chiny 40.41°N 87.35°E



Paulina Barnowska IB

41.60° N, 80.73° E

Azja, Chiny



Peru - Kordyliera Zachodnia 18° S, 70.6° W

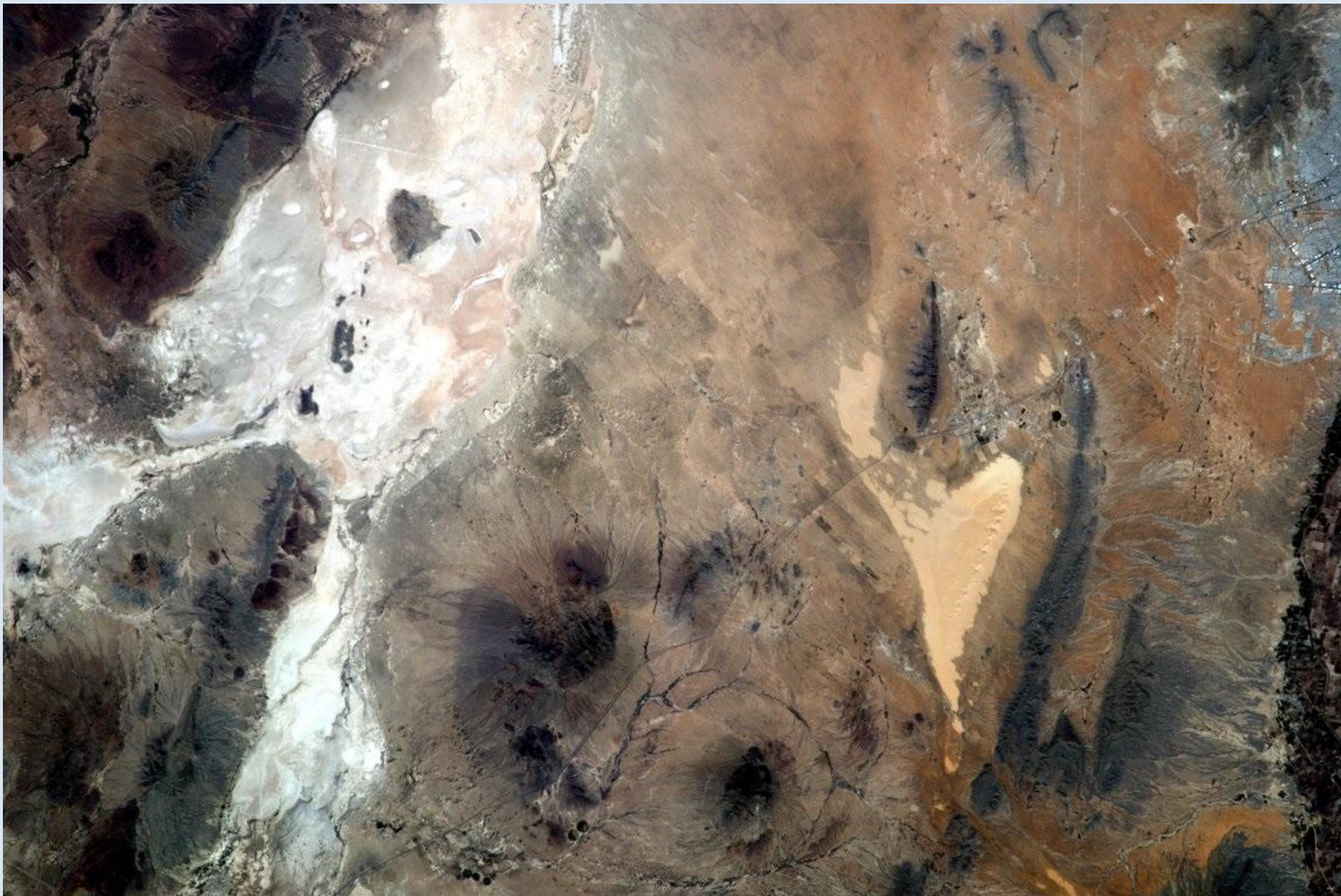
Kacper Malisz kl.IIC



KAROL TUREK IB

MEKSYK

30.67° N, 111.91° W



Hanna Zajac kl Ic

Meksyk

30.91° N 106.86° W



Hanna Zajac kl Ic

Kalifornia Dolna Południowa

25.93° N 112.02° W

A satellite map of the Persian Gulf region. The landmasses of Abu Dhabi and Dubai are visible on the left, with their urban areas and infrastructure clearly shown. The Persian Gulf is the large body of water on the right. The island of Sir Abu Nu'ayr is visible in the Gulf. The text labels are in a serif font.

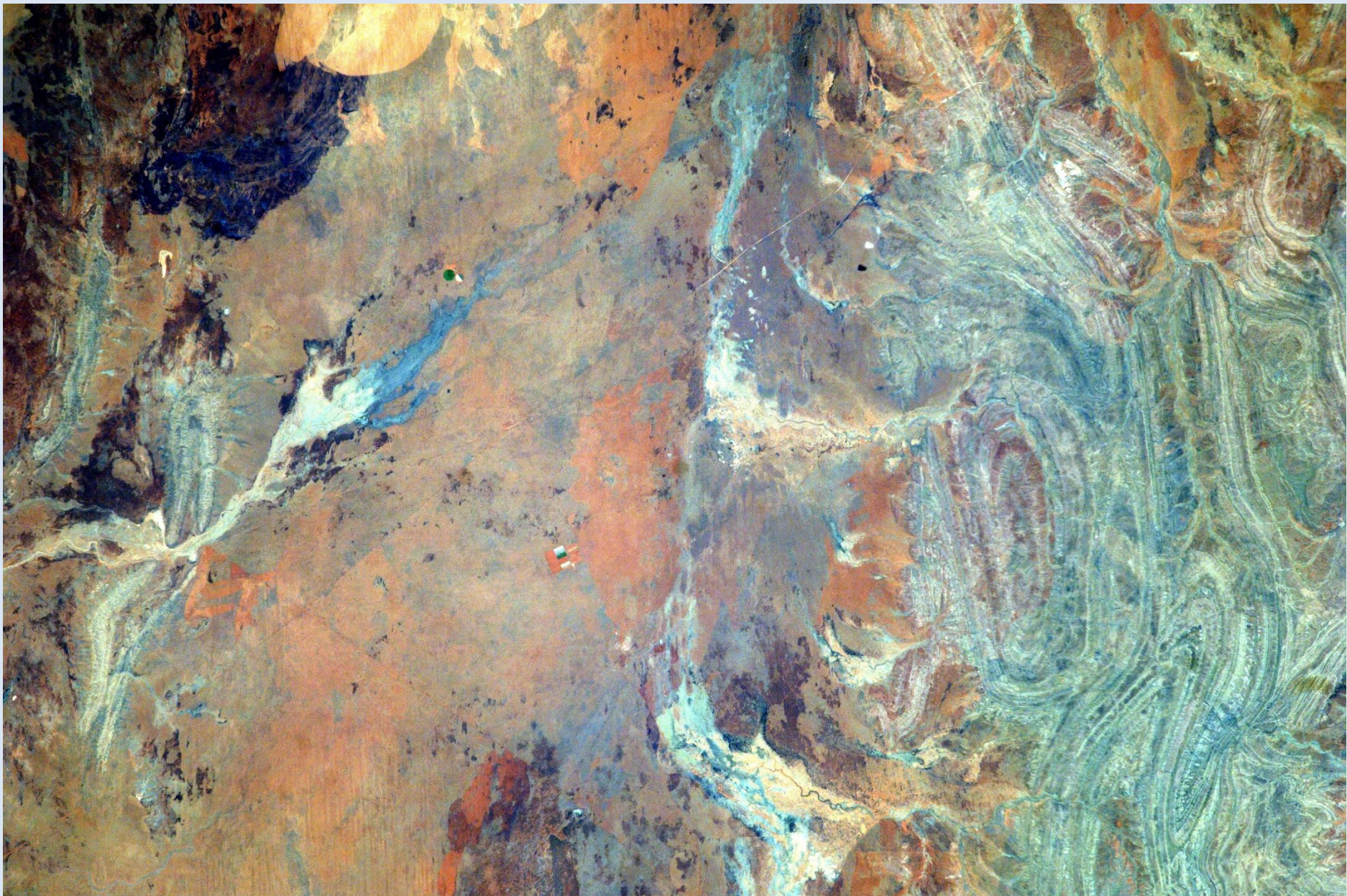
Abu Zabi

Zatoka Perska

Sir Abu Nu'ayr

Dubaj

Jakub Zajdel kl. Id
ZEA
24.72° N, 54.63° E



Damian Sowa Ilc

Australia

20.82°S 134.83°E

The End

This presentation has been made by
Wiktor Kretowicz within the framework of
Erasmus+ project *Let's talk about soil*

