



Space  
Explorer

**Networks Explorer**

Special Explorer

Temporary Explorer

My Space Explorer

Query Builder

# ITU SpaceExplorer

V.0.9.4

**Start the improved user experience with an example**

“Exploring geostationary non-Plan Satellite Networks  
of an Administration : MEX”

On the main page you can already:

1. Choose to query:

the active data in the “SNS database” **OR** the history of publications in the “BR Space Publications”

2. Choose to filter some criteria or a network – optional

3. Before clicking on the Search intended to explore

The screenshot shows the ITU Space Explorer website. The top navigation bar includes the ITU logo, 'Space Explorer', and several menu items: 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. There is a 'BETA | FEEDBACK' button and a 'Sign In' link. The main content area is titled 'Home > Networks Explorer' and includes a sub-header 'Up to latest BR IFIC No 2973 / 14.06.2022'. Below this, there is a descriptive paragraph about the database. The 'Explore by' section features two tabs: 'Space Network System (SNS)' (selected) and 'BR Space Publications'. Under the SNS tab, there are three dropdown menus for 'Notifying Administration', 'Network Organization', and 'Satellite Network Name'. Below these are four search buttons: 'Search All Space Stations' (blue), 'Search Earth Stations' (orange), 'Search Radio Astronomy' (green), and 'Search Space Stations In Latest BR IFIC' (red). To the right of the search buttons, there is a section for 'Proceed directly with active SNS Notice ID' with an input field for 'SNS Notice ID' and a 'GO' button. The footer contains links for 'Privacy Notice', 'Support', and 'Help', along with the text 'Up to latest BR IFIC No 2973 / 14.06.2022 © ITU All Rights Reserved'. A blue notification banner at the bottom right says 'Welcome to the ITU Space Explorer public Beta... X'.

**For this example**

1. Choose to query:  
the active data in  
the SNS database

2. Filter Mexico

3. Before clicking on  
the Search  
All Space Stations

## Explore by

1'865 GSO notices in MIFR, 661 Non-GSO notices in MIF  
Up to latest BR IFIC No 2973 / 14.06.2022

Space Network System (SNS)

Notifying Administration

MEX (Mexico) X



N



Search  
All Space Stations



On the "List View" page you can:

Home > Networks Explorer > List View Up to latest BR IFIC No 2973 / 14.06.2022

**Identity** ⓘ

Explore Space Networks or Systems by

Space Network System (SNS) BR Space Publications

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Satellite Network

Notifying Administration

MEX (Mexico) ✕

Network Organization

Satellite Network Name

All Non-Plan Only Plan Only

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**Type of Satellite Network** ⓘ

Geostationary 39

Non-Geostationary 6

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**Frequency Characteristics** ⓘ

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**Regulatory Process** ⓘ

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**Regulatory Dates** ⓘ

Hide Filters
Export
Show Hints
Reset Filters

Details	SNS Notice ID	Notifying Adm / Network Org	Satellite Network Name	GSO Location East (+) or West (-) Degrees	Notice Type	Notification Reason	Plan/Non-Plan	Notice Date of Receipt
	86550142	MEX	MEX01SUR	-69.20	G	B	Plan	30.10.1986
	86550143	MEX	MEX02NTE	-136.20	G	B	Plan	30.10.1986
	86550144	MEX	MEX02NTE	-135.80	G	B	Plan	30.10.1986
	86550145	MEX	MEX02SUR	-127.20	G	B	Plan	30.10.1986
	86550146	MEX	MEX02SUR	-126.80	G	B	Plan	30.10.1986
	90558137	MEX	MEX00000	-113.00	G	P	Plan	16.03.1990
	98590437	MEX	SOLIDARIDAD 2MA	-113.00	G	U	Non-Plan	09.10.1998
	101590972	MEX	SOLIDARIDAD-C1	-105.00	G	U	Non-Plan	04.06.2001
	105580010	MEX	MEX-TDH1	-77.00	G	U	Plan	20.05.2005
	96555004	MEX	MEX-TDH1	-77.00	G	B	Plan	05.07.2005

Results: 45
Rows per page: 10
Results: 1-10 of 45
Page: 1 / 5

Expand groups of filters to select the intended list of networks with criteria

And, if you wish, modify criteria previously input in the Home page

Sort columns and features on the list are available

Modify the list displayed per pages to adapt to the space available on your screen

On the "List View" page for the example:

1. Filter Non-Plan Only

2. Filter Geostationary

**NEW!** 

Click "details" to view the Dash Board of one network

3. Select 25 Rows per page to view the 24 results

**Identity**

Explore Space Networks or Systems by

Space Network System (SNS) BK Space Publications

Satellite Network

Notifying Administration

MEX (Mexico)

Network Organization

Satellite Network Name

All Non-Plan Only Plan Only

**Type of Satellite Network**

Geostationary

GSO Location (Degrees)

From To



Non-Geostationary +6

**Frequency Characteristics**

**Regulatory Process**

**Regulatory Dates**

Hide Filters Export Show Hints Reset Filters Results: 24

Details	SNS Notice ID	Notifying Adm / Network Org	Satellite Network Name	GSO Location East (+) or West (-) Degrees	Notice Type	Notification Reason	Plan/Non-Plan	Notice Date of Receipt
	98590437	MEX	SOLIDARIDAD 2MA	-113.00	G	U	Non-Plan	09.10.1998
	101590972	MEX	SOLIDARIDAD-C1	-105.00	G	U	Non-Plan	04.06.2001
	108520271	MEX	MEISAT 114.9 KU EXIT	-114.90	G	C	Non-Plan	22.10.2008
	109590033	MEX	MEISAT-114.9 C-KU	-114.90	G	U	Non-Plan	13.08.2009
	111500124	MEX	SATMEX.8	-116.80	G	N	Non-Plan	28.09.2011
	109500836	MEX	SATMEX.7	-113.00	G	N	Non-Plan	15.12.2011
	109520136	MEX	MEISAT1 14.9 L-CEIT-X	-114.90	G	C	Non-Plan	23.12.2011
	112590056	MEX	MEISAT1 14.9 L-CEIT-X	-114.90	G	U	Non-Plan	23.07.2012
	112590057	MEX	MEISAT 114.9 KU EXIT	-114.90	G	U	Non-Plan	23.07.2012
	113500014	MEX	MEISAT1 14.9 L-CEIT-X	-114.90	G	N	Non-Plan	05.02.2013
	113500015	MEX	MEISAT 114.9 KU EXIT	-114.90	G	N	Non-Plan	05.02.2013
	110500271	MEX	MEISAT-114.9 C-KU	-114.90	G	N	Non-Plan	26.04.2013
	105590013	MEX	SATMEX.7	-113.00	G	U	Non-Plan	16.06.2014
	110590094	MEX	SATMEX.8	-116.80	G	U	Non-Plan	16.06.2014
	113590034	MEX	MEISAT1 13 L-CEIT-X	-113.00	G	U	Non-Plan	23.04.2015
	98590436	MEX	SOLIDARIDAD 2M	-113.00	G	U	Non-Plan	29.01.2016
	116500168	MEX	QUETZSAT-77 TTC	-77.00	G	N	Non-Plan	30.06.2016
	116520175	MEX	MEISAT-113-L-7M	-113.00	G	C	Non-Plan	09.11.2016
	116520176	MEX	MEISAT-116.8-L-7M	-116.80	G	C	Non-Plan	10.11.2016
	116520174	MEX	MEISAT-109.2-L-7M	-109.20	G	C	Non-Plan	30.11.2016
	99500015	MEX	SOLIDARIDAD 2MA	-113.00	G	N	Non-Plan	30.11.2016
	101500478	MEX	SOLIDARIDAD 2M	-113.00	G	N	Non-Plan	30.11.2016
	117520002	MEX	MEISAT 109.2 LR	-109.20	G	C	Non-Plan	01.01.2017
	114500093	MEX	MEISAT1 13 L-CEIT-X	-113.00	G	N	Non-Plan	15.06.2017

Results: 24 Rows per page: 25 Results: 1-24 of 24 Page: 1 / 1

# NEW in ITU SpaceExplorer:

## The Dash Board of one network



Each card gives access to more detailed information when you click on it

Click on each of the 3 top cards for more detailed information ...

Select a notice to display its data in the cards on the right-hand side ...

Sign in as TIES user and click on the cards for more detailed information ...

### Identity

Satellite Network Name: MEXSAT113 L-CEXT-X

Satellite Network Previous Name: —

Administration: MEX (Mexico)

Network Organization: —

Space Plan/Non-Plan bands: Non-Plan

Type of Satellite Network: Geostationary (113 West)

### Regulatory Status Tracking

Active Status: Active

In Master Register (MIFR): Yes

Brought into use: Yes

Suspension of use: No

Date of Receipt of First Submission: 05.02.2009

Earliest Regulatory Date Limit to Bring Into Use: 05.02.2016

BR IFIC Date of Latest Publication: 15.09.2020

### Publications in BR IFIC Space

Earliest Publication Date: 24.03.2009

Latest Publication Date: 15.09.2020

**1** API

**7** COORDINATION

**17** NOTIFICATION

**4** OTHER

### Related Notices Information

API(0) Coordination(0) Notification(1) Other(1)

Notice ID	Provision	Notice Date of Receipt
1.114500093	11.2	15.06.2017

### Network Structure Navigation

**4** BEAMS DOWNLINK

**4** BEAMS UPLINK

**72** GROUPS

### Overview of Emissions Characteristics

**1** SERVICES

### Coordination Requirements & Examination Results

Under development

### Due Diligence

Under development **Not applicable**

### Associated Stations

**6** EARTH STATIONS

# Card on Network Structure Navigation



- detailed information

Filter here or on headers to select useful information to your exploration

2 options for navigating through the rows of the table and changing levels in the structure: **Beams > Group > Assignment**

- (1) Click here OR
- (2) Use the key board arrows



Click to view and navigate all GIMS images

Space Explorer | Networks Explorer | Special Explorer | Temporary Explorer | My Space Explorer | Query Builder

BETA | FEEDBACK

Satellite Network > Notice > Network Structure Navigation > Beams

MEKSAT113 L-CEXT-X 114500093  
Geostationary (113 West) Notification  
MEX

Search by Beam Name Results: 8

Reset Filters Hide images Show Hints Export Default table size

Details	Beam Name	Transmitting(E)/Receiving(R)	Freq. Min (MHz)	Freq. Max (MHz)	Freq. Gaps	Polarizations	EIRP Density Max (dBW/Hz)	Gain Max	Pointing Accuracy	Earth Station Min. Antenna Diameter (m)	GIMS Image
	TCL	E	1'525	1'559	No	CLCR	-34.9	41.1	0.09		
	TCR	E	1'525	1'559	No	CLCR	-20.8	41.1	0.09	0.9	
	TRCLA	E	1'525	1'559	No	CLCR	-34.9	41.1	0.09		
	TRCRA	E	1'525	1'559	No	CLCR	-34.9	41.1	0.09		
	RCL	R	1'626.5	1'660.5	No	CLCR	-63.7	41.7	0.09		
	RCR	R	1'626.5	1'660.5	No	CLCR	-20	41.7	0.09	0.9	
	RRCLA	R	1'626.5	1'660.5	No	CLCR	-63.7	41.7	0.09		
	RRCRA	R	1'626.5	1'660.5	No	CLCR	-63.7	41.7	0.09		

The bookmarks of your Staff and TIES are the s...

# Card on Overview of Emissions Characteristics

- detailed information

3 tabs to display the same  
information as in SNS on line

Filter here or on headers to  
select useful information



Satellite Name > Notice > Overview of Emissions Characteristics  
MEXSAT113 L-CENTX 114500093  
Geostationary (113 West) Notification  
MEX

Emissions			Receive Beams		Transmit Beams										
Filter by Beam Name			Results: 360									Reset Filters	Show Hints	Export	Force fit table
Beam Name	Transmitting[E] Receiving[R]	Max. Isotropic Gain	Group ID	Sequence Number	Class of Station	Nature of Service	Designation of Emission	Max. Peak Envelope Power (dBW)	Power Density (dBW/Hz)	Min. Peak Envelope Power (dBW)	Min. Power Density (dBW/Hz)				
RCL	R	41.7	117685664	1	EI	CO,CPCR	1M25G7W--	-6	-67	-6	-67				
RCL	R	41.7	117685664	2	EI	CO,CPCR	1M18G7W--	-12	-72.7	-12	-72.7				
RCL	R	41.7	117685664	3	EI	CO,CPCR	591KG7W--	-12	-69.7	-15	-72.7				
RCL	R	41.7	117685664	4	EI	CO,CPCR	149KG7W--	-12	-63.7	-12	-63.7				
RCL	R	41.7	117685664	5	EI	CO,CPCR	22K2G7W--	-28.5	-72	-30	-73.5				
RCL	R	41.7	117685664	6	EI	CO,CPCR	3K60G7W--	-28.5	-64.1	-30	-65.6				
RCL	R	41.7	117685665	1	EI	CO,CPCR	1M25G7W--	-6	-67	-6	-67				
RCL	R	41.7	117685665	2	EI	CO,CPCR	1M18G7W--	-12	-72.7	-12	-72.7				
RCL	R	41.7	117685665	3	EI	CO,CPCR	591KG7W--	-12	-69.7	-15	-72.7				
RCL	R	41.7	117685665	4	EI	CO,CPCR	149KG7W--	-12	-63.7	-12	-63.7				
RCL	R	41.7	117685665	5	EI	CO,CPCR	22K2G7W--	-28.5	-72	-30	-73.5				
RCL	R	41.7	117685665	6	EI	CO,CPCR	3K60G7W--	-28.5	-64.1	-30	-65.6				
RCL	R	41.7	117685666	1	EI	CO,CPCR	1M25G7W--	-6	-67	-6	-67				
RCL	R	41.7	117685666	2	EI	CO,CPCR	1M18G7W--	-12	-72.7	-12	-72.7				
RCL	R	41.7	117685666	3	EI	CO,CPCR	591KG7W--	-12	-69.7	-15	-72.7				
RCL	R	41.7	117685666	4	EI	CO,CPCR	149KG7W--	-12	-63.7	-12	-63.7				
RCL	R	41.7	117685666	5	EI	CO,CPCR	22K2G7W--	-28.5	-72	-30	-73.5				



# Card on Associated Stations

- detailed information



Satellite Name > Notice > Associated Stations

MEXSAT113 L-CEXTX  
Geostationary (113 West)  
MEX

114500093  
Notification

Associated Earth stations

Associated Space Stations

Search by Station Name

Results: 72

Reset Filters

Show Hints

Export

Default table size

Station Name	Country	Station Type	Longitude (Degrees)	Latitude (Degrees)	Group ID	Antenna Type	Noise Temperature (Kelvin)	Max. Isotropic Gain (dB)	Beamwidth (Degrees)	Previous Station Name	Class of Station	Nature of Service
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	0			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	0			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	-4			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	0			UA	CO,CP,CR
TM1		T			117685...	ND-EARTH	450	0			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR
TM2		T			117685...	ND-EARTH	450	1			UA	CO,CP,CR

Filter here or on headers to select useful information

# NEW: save your favorite queries In **My Space Explorer**

## First In Network Explorer Save your query

2. Save your filter criteria  
to My Space Explorer

1. In **Networks Explorer**  
Sign in as TIES user

3. Click on the tab:  
**My Space Explorer**

The screenshot shows the ITU Space Explorer interface. The navigation bar at the top includes tabs for Space Explorer, Networks Explorer, Special Explorer, Temporary Explorer, My Space Explorer (selected), and Query Builder. A 'BETA | FEEDBACK' button is also visible. The main content area shows a list of satellite networks with columns for Details, SNS Notice ID, Notifying Adm / Network Org, Satellite Network Name, GSO Location, Notice Type, Notification Reason, Plan/Non-Plan, Notice Date of Receipt, and Freq. Min (MHz). A 'Save' button is highlighted in the top right of the list area. The left sidebar shows filters for 'Identity', 'Space Network System (SNS)', 'Satellite Network', 'Notifying Administration' (set to MEX), 'Network Organization', and 'Satellite Network Name'. The bottom of the sidebar shows radio buttons for 'All', 'Non-Plan Only' (selected), and 'Plan Only'. The top right of the main area shows 'Up to latest BR IFIC No 2974 / 28.06.2022' and 'Results: 24'.

Details	SNS Notice ID	Notifying Adm / Network Org	Satellite Network Name	GSO Location East (+) or West (-) Degrees	Notice Type	Notification Reason	Plan/Non-Plan	Notice Date of Receipt	Freq. Min (MHz)
<input checked="" type="checkbox"/>	98590437	MEX	SOLIDARIDAD 2MA	-113.00	G	U	Non-Plan	09.10.1998	
<input checked="" type="checkbox"/>	101590972	MEX	SOLIDARIDAD-C1	-105.00	G	U	Non-Plan	04.06.2001	3700
<input checked="" type="checkbox"/>	108520271	MEX	MEXISAT 114.9 KU EXT	-114.90	G	C	Non-Plan	22.10.2008	
<input checked="" type="checkbox"/>	109590033	MEX	MEXISAT-114.9 C-KU	-114.90	G	U	Non-Plan	13.08.2009	
<input checked="" type="checkbox"/>	111500124	MEX	SATMEX 8	-116.80	G	N	Non-Plan	28.09.2011	

NEW



# My Space Explorer

Then  
Manage your saved  
queries

Manage and share your personal exploration  
previously saved  
in the "List view" page

The screenshot displays the 'My Space Explorer' interface. At the top, a navigation bar includes 'Space Explorer', 'Networks Explorer', 'Special Explorer', 'Temporary Explorer', 'My Space Explorer', and 'Query Builder'. A 'BETA | FEEDBACK' button is also present. The main content area is titled 'Home > My Space Explorer' and includes a sub-header: 'Use My Space Explorer to save and share bookmarks of queries. Only the query (choice of filters) is saved, not the data (use Export function to save a snapshot of data). Bookmarks can be shared with TIES users and ITU Staff.'

The interface features a search bar for bookmark titles and a list of bookmark categories on the left: 'Favorite Bookmarks (1)★', 'From Networks Explorer (3)', 'From Earth Stations (0)', 'From Query Builder (0)', and 'Received Shared Bookmarks (1)'. The main area shows a grid of bookmark cards. The 'Favorite Bookmarks' section contains one card: 'Mexico in SNS database'. The 'From Networks Explorer' section contains three cards: 'Mexico in SNS database', 'Mexico in Publication History', and 'myquery'. The 'Received Shared Bookmarks' section contains one card: 'Mexico in Publication History'. Each card includes a star icon, a left arrow, and a vertical ellipsis for management options. A blue line connects the 'Received Shared Bookmarks (1)' category to the 'Mexico in Publication History' card in the main area.

# Support Contact: [ITUSpaceExplorer@itu.int](mailto:ITUSpaceExplorer@itu.int)

## Let us know what you need!

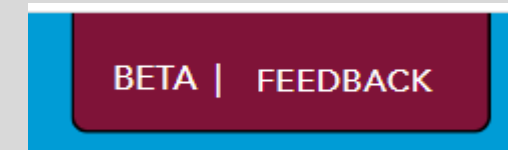
Please give us feedback, so we can implement content that is truly useful and helpful. Thanks!

You can also use the reporting form available [here](#) and send it to the contact.

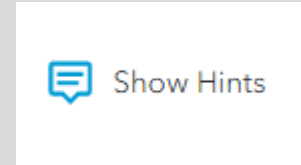
## Need an introductory briefing?

**Mini-sessions** how to use ITU SpaceExplorer are available. **Register:** [ITUSpaceExplorer@itu.int](mailto:ITUSpaceExplorer@itu.int)

-- The ITU SpaceExplorer Team



On each pages, contact with ITU available by clicking on



Show Hints

Help available by clicking on "Show Hints" when available on pages