

# AstroGaze

## Mobile Version

Vanessa Isabela Denny  
041070914



Choose the date for your  
**AstroGazing** adventure:

Insert a non-future date:

03/27/2022



GO!



## Titan Seas Reflect Sunlight



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has ...

[expand](#) 

# AstroGaze



Choose the date for your  
**AstroGazing** adventure:

Insert a non-future date:

03/27/2022



September



MON TUE WED THU FRI SAT SUN

27 28 29 30 31 1 2

3 4 5 6 7 8 9

10 11 12 13 14 15 16

17 18 19 20 21 22 23

24 25 26 27 28 29 30

Titan  
Sun



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has ...

[expand](#)



Choose the date for your  
**AstroGazing** adventure:

Insert a non-future date:

03/27/2022



GO!



## Titan Seas Reflect Sunlight



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.

[collapse](#) ^



Explore your favourite  
**AstroGazed** adventures:

## Titan Seas Reflect Sunlight



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has ...

[expand](#)

## Display of Nebulas in Deep Space



05/09/2022



A mesmerizing cosmic symphony unfolds in this image, showcasing a vivid tableau of nebulous wonders that captivate the ...

[expand](#)

# AstroGaze



## AstroGaze

v1.0.0

**AstroGaze** is a web application designed to provide users with the captivating beauty of Astronomy Pictures of the Day, sourced from NASA's APOD API. With **AstroGaze**, users can explore celestial wonders from specific dates and curate their own personal collection by saving their favourite images.

**AstroGaze** is developed by Vanessa Isabela Denny for academic purpose at Algonquin College, Ottawa Campus.

I appreciate your interest in exploring and experimenting with this app!

© 2023 Vanessa Denny

# AstroGaze

## Tablet Version

Vanessa Isabela Denny  
041070914

Choose the date for your  
**AstroGazing** adventure:

Insert a non-future date:

03/27/2022



GO!



Titan Seas Reflect Sunlight



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.



Choose the date for your  
**AstroGazing** adventure:

Insert a non-future date:

03/27/2022



September						
MON	TUE	WED	THU	FRI	SAT	SUN
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Titan Seas Reflect Sunlight

03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.

# Explore your favourite AstroGazed adventures:

## Titan Seas Reflect Sunlight



03/27/2022



Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.

## Display of Nebulas in Deep Space



05/09/2022



A mesmerizing cosmic symphony unfolds in this image, showcasing a vivid tableau of nebulous wonders that captivate the imagination and remind us of the limitless beauty found in the depths of the universe. The juxtaposition of hues, from deep crimson to electric blue, offers a symphony of color that enchants the observer's senses. These nebulous wonders captivate the imagination and serve as a poignant reminder of the boundless beauty that resides within the depths of the universe. As we peer deeper into this cosmic masterpiece, we are humbled by the vastness of space and the intricate interplay of stellar forces that give birth to these breathtaking nebular formations. This image invites us to contemplate the enigmatic forces at play, shaping the cosmos and giving birth to celestial wonders.

## AstroGaze

v1.0.0

**AstroGaze** is a web application designed to provide users with the captivating beauty of Astronomy Pictures of the Day, sourced from NASA's APOD API. With **AstroGaze**, users can explore celestial wonders from specific dates and curate their own personal collection by saving their favourite images.

**AstroGaze** is developed by Vanessa Isabela Denny for academic purpose at Algonquin College, Ottawa Campus.

I appreciate your interest in exploring and experimenting with this app!

© 2023 Vanessa Denny

# AstroGaze

## Desktop Version

Vanessa Isabela Denny  
041070914

Choose the date for your **AstroGazing** adventure:

Insert a non-future date:

03/27/2022

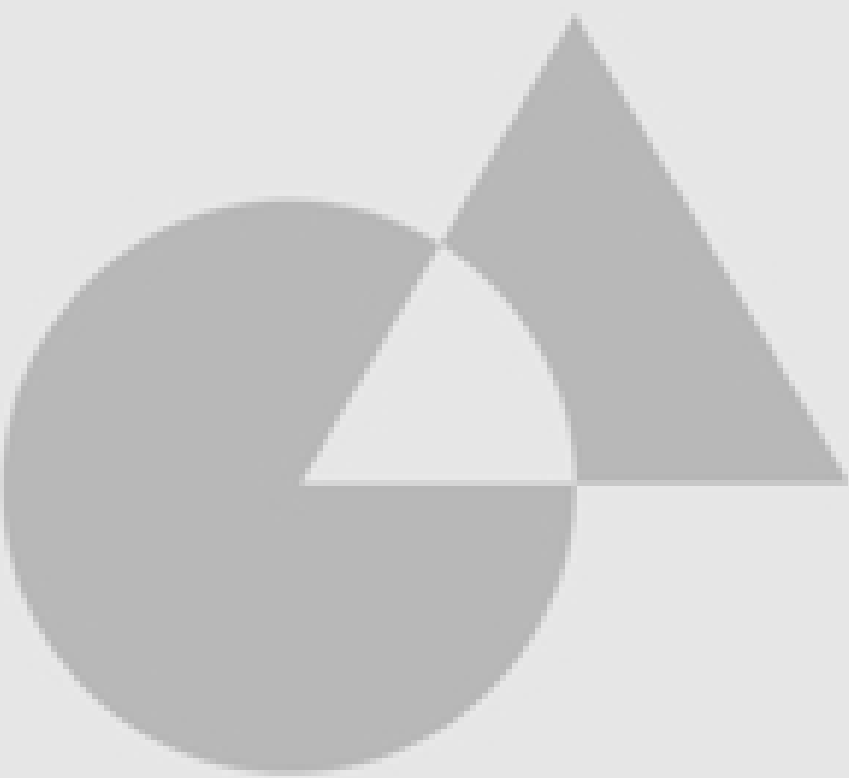


GO!

## Titan Seas Reflect Sunlight

03/27/2022

Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.



Choose the date for your **AstroGazing** adventure:

Insert a non-future date:

03/27/2022



<

September 2017

>

MON	TUE	WED	THU	FRI	SAT	SUN
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### Titan Seas Reflect Sunlight

03/27/2022

Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.





Explore your favourite **AstroGazed** adventures:

### Titan Seas Reflect Sunlight

03/27/2022

Why would the surface of Titan light up with a blinding flash? The reason: a sunlight from liquid seas. Saturn's moon Titan has numerous smooth lakes of methane that, when the angle is right, reflect sunlight as if they were mirrors. Pictured here in false-color, the robotic Cassini spacecraft that orbited Saturn from 2004 to 2017 imaged the cloud-covered Titan in 2014 in different bands of cloud-piercing infrared light. This specular reflection was so bright it saturated one of Cassini's infrared cameras. Although the sunlight was annoying -- it was also useful. The reflecting regions confirm that northern Titan houses a wide and complex array of seas with a geometry that indicates periods of significant evaporation. During its numerous passes of our Solar System's most mysterious moon, Cassini has revealed Titan to be a world with active weather -- including times when it rains a liquefied version of natural gas.



### Display of Nebulas in Deep Space

05/09/2022

A mesmerizing cosmic symphony unfolds in this image, showcasing a vivid tableau of nebulous wonders that captivate the imagination and remind us of the limitless beauty found in the depths of the universe. The juxtaposition of hues, from deep crimson to electric blue, offers a symphony of color that enchants the observer's senses. These nebulous wonders captivate the imagination and serve as a poignant reminder of the boundless beauty that resides within the depths of the universe. As we peer deeper into this cosmic masterpiece, we are humbled by the vastness of space and the intricate interplay of stellar forces that give birth to these breathtaking nebular formations. This image invites us to contemplate the enigmatic forces at play, shaping the cosmos and giving birth to celestial wonders.



## AstroGaze

v1.0.0

**AstroGaze** is a web application designed to provide users with the captivating beauty of Astronomy Pictures of the Day, sourced from NASA's APOD API. With **AstroGaze**, users can explore celestial wonders from specific dates and curate their own personal collection by saving their favourite images.

**AstroGaze** is developed by Vanessa Isabela Denny for academic purpose at Algonquin College, Ottawa Campus.

I appreciate your interest in exploring and experimenting with this app!