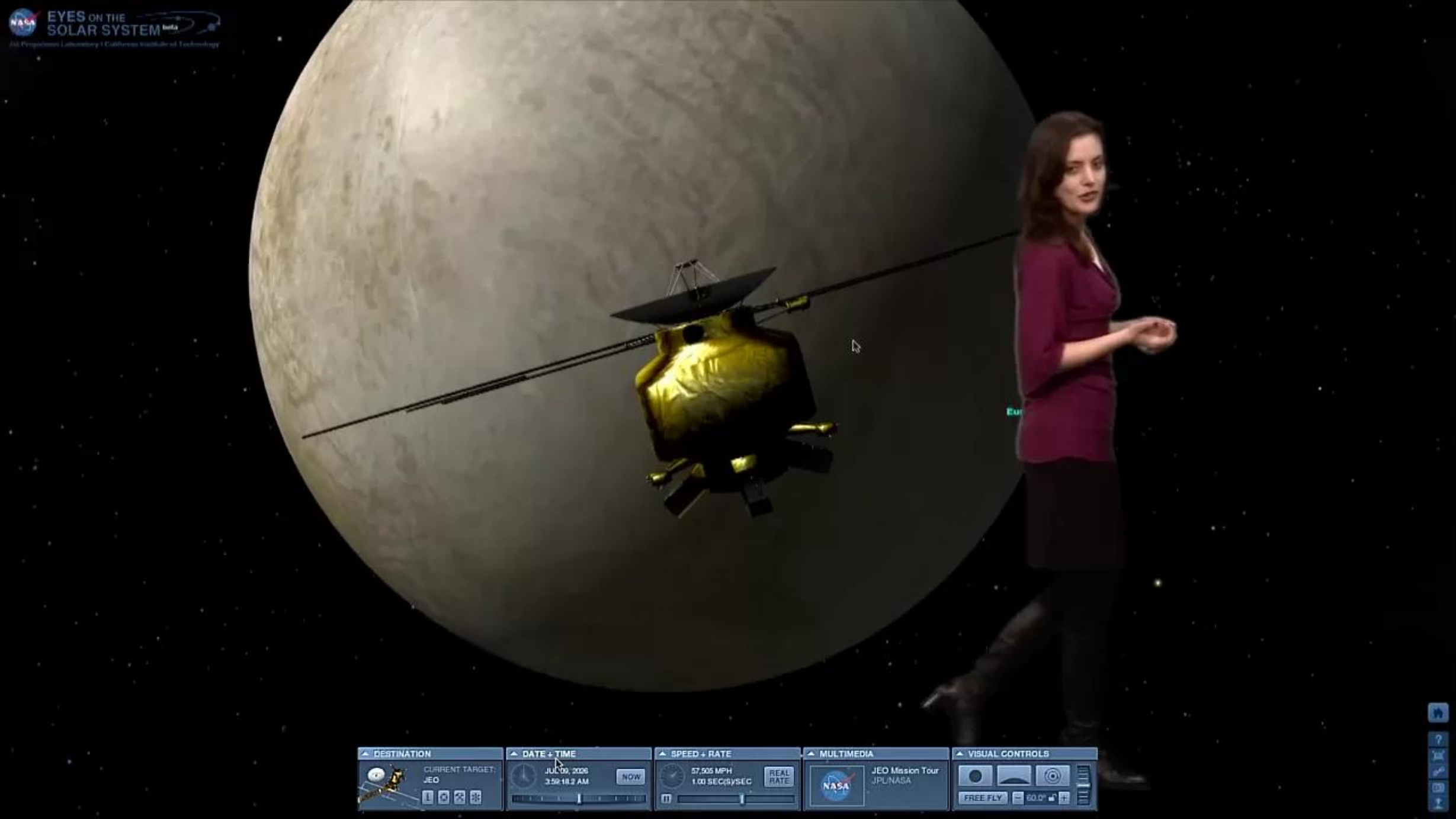
EYES ON THE SOLAR SYSTEM
DESTINATION
CURRENT TARGET:
JEO
DATE + TIME
JUL 09, 2026
3:59:18.2 AM
NOW
SPEED + RATE
57,505 MPH
1.00 SEC(S)/SEC
REAL RATE
MULTIMEDIA
JEO Mission Tour
JPL/NASA
VISUAL CONTROLS
FREE FLY
60.0°

1
00:00:05,630 --> 00:00:03,590
hi I'm astronomer Amy Mainzer if you're

2
00:00:08,240 --> 00:00:05,640
a space buff you probably wish you could

3
00:00:10,490 --> 00:00:08,250
personally explore planets moons comets

4
00:00:13,280 --> 00:00:10,500
asteroids and all of the amazing things

5
00:00:15,230 --> 00:00:13,290
in our solar system with eyes on the

6
00:00:17,120 --> 00:00:15,240
solar system you can be an armchair

7
00:00:19,370 --> 00:00:17,130
astronaut using your computer screen

8
00:00:21,470 --> 00:00:19,380
with this visualization tool in your

9
00:00:25,279 --> 00:00:21,480
browser you can explore the solar system

10
00:00:28,759 --> 00:00:25,289
in 3d here's how to get started open a

11
00:00:29,900 --> 00:00:28,769
browser and go to eyes NASA gov you'll

12
00:00:32,990 --> 00:00:29,910
be prompted to download and install

13
00:00:33,470 --> 00:00:33,000

NASA's eyes visualization once its

14
00:00:35,450 --> 00:00:33,480
installed

15
00:00:37,420 --> 00:00:35,460
return to your browser click Launch and

16
00:00:39,799 --> 00:00:37,430
you're ready to roll

17
00:00:43,100 --> 00:00:39,809
tabs along the bottom allow you to pick

18
00:00:46,819 --> 00:00:43,110
a destination time speed and visually

19
00:00:48,860 --> 00:00:46,829
control your experience you can even hop

20
00:00:50,330 --> 00:00:48,870
on board and NASA spacecraft and look

21
00:00:51,760 --> 00:00:50,340
over its shoulder to see where it's been

22
00:00:54,709 --> 00:00:51,770
and where it's going

23
00:00:56,510 --> 00:00:54,719
this experience uses actual data from

24
00:01:00,889 --> 00:00:56,520
the spacecraft including its real-time

25
00:01:03,619 --> 00:01:00,899
location in space you're in control to

26
00:01:07,100 --> 00:01:03,629
rotate your view take your mouse click

27
00:01:10,820 --> 00:01:07,110
and drag use your mouse wheel to zoom in

28
00:01:13,450 --> 00:01:10,830
and zoom out want to take a closer look

29
00:01:17,240 --> 00:01:13,460
at save Earth double click on it and

30
00:01:18,859 --> 00:01:17,250
your close-up that's our planet and

31
00:01:22,190 --> 00:01:18,869
those are NASA satellites orbiting

32
00:01:24,410 --> 00:01:22,200
around it want to speed things up use

33
00:01:26,510 --> 00:01:24,420
the rate slider to accelerate time and

34
00:01:29,120 --> 00:01:26,520
you can see now the spacecraft are

35
00:01:31,219 --> 00:01:29,130
orbiting faster if you want things to go

36
00:01:33,030 --> 00:01:31,229
back to normal speed just hit the real

37
00:01:35,430 --> 00:01:33,040
rate button

38
00:01:37,680 --> 00:01:35,440

now let's go someplace else there are

39
00:01:40,170 --> 00:01:37,690
plenty of choices just pull up the

40
00:01:42,300 --> 00:01:40,180
destinations tab the locations are split

41
00:01:45,480 --> 00:01:42,310
into categories from solar system to

42
00:01:48,240 --> 00:01:45,490
spacecraft for example let's go to the

43
00:01:49,890 --> 00:01:48,250
spacecraft tab click on the arrow to

44
00:01:52,740 --> 00:01:49,900
head to the outer planet missions will

45
00:01:54,570 --> 00:01:52,750
be fine Cassini click on it and a

46
00:01:57,210 --> 00:01:54,580
drop-down menu will appear that includes

47
00:01:59,340 --> 00:01:57,220
the Enceladus flyby when you click on

48
00:02:02,280 --> 00:01:59,350
the flyby you'll be asked to change the

49
00:02:04,380 --> 00:02:02,290
current date and time hit OK and you'll

50
00:02:07,469 --> 00:02:04,390
be taken back to October 2008 when

51
00:02:09,120 --> 00:02:07,479
Cassini flew close 5 a tiny moon if you

52
00:02:11,340 --> 00:02:09,130
could have ridden onboard Cassini at

53
00:02:20,309 --> 00:02:11,350
that time this is exactly what you would

54
00:02:25,020 --> 00:02:22,589
click on the destination tab to find

55
00:02:26,910 --> 00:02:25,030
other space missions maybe you'd like to

56
00:02:33,059 --> 00:02:26,920
follow the Voyager missions exploring

57
00:02:40,050 --> 00:02:33,069
the gas giants or veneer spacecraft

58
00:02:50,309 --> 00:02:42,570
you can even go back and relive the

59
00:02:51,720 --> 00:02:50,319
Pioneer missions of the 1970s or take a

60
00:02:59,640 --> 00:02:51,730
look at some of the new missions coming

61
00:03:02,040 --> 00:02:59,650
up in the future go ahead and enjoy eyes

62
00:03:03,930 --> 00:03:02,050
on the solar system you control the

63
00:03:06,210 --> 00:03:03,940

virtual solar system with the clicks of

64
00:03:07,610 --> 00:03:06,220
your mouse to keep exploring our

65
00:03:10,259 --> 00:03:07,620
missions throughout the solar system