



The Lyndon B. Johnson Space Center
George B. Moore Award
October 1, 2008
Presented to [Name] for [Achievement]
[Signature]

Bathymetry

- Labeled topography
- Measuring site selection
- Physical habitat diversity
- Independent and dependent variables
- Polychaete abundance
- Benthic invertebrate biomass

1
00:00:12,629 --> 00:00:10,470
as the planetary lakelander project

2
00:00:14,470 --> 00:00:12,639
enters its second year of operation new

3
00:00:17,269 --> 00:00:14,480
software and sensors are being added to

4
00:00:19,429 --> 00:00:17,279
the prototype system at nasa ames in

5
00:00:21,429 --> 00:00:19,439
california project leader dr natalie

6
00:00:23,189 --> 00:00:21,439
cabrol explains how these updates will

7
00:00:25,029 --> 00:00:23,199
change the robot from a simple testing

8
00:00:26,470 --> 00:00:25,039
platform to a robot capable of

9
00:00:27,830 --> 00:00:26,480
communicating changes in its

10
00:00:30,310 --> 00:00:27,840
surroundings

11
00:00:33,110 --> 00:00:30,320
in year two the light blender is going

12
00:00:36,470 --> 00:00:33,120
to look different from what it looked in

13
00:00:37,750 --> 00:00:36,480

year one the lakelander gets the data

14

00:00:38,869 --> 00:00:37,760

from the lake

15

00:00:41,510 --> 00:00:38,879

and then

16

00:00:43,190 --> 00:00:41,520

send the data to the shore station

17

00:00:45,110 --> 00:00:43,200

and the shore station

18

00:00:47,510 --> 00:00:45,120

then send the data to the satellite and

19

00:00:50,470 --> 00:00:47,520

the satellite relay that data to the

20

00:00:51,910 --> 00:00:50,480

ground data system that we have here

21

00:00:54,630 --> 00:00:51,920

it's a network

22

00:00:58,630 --> 00:00:54,640

that allows us to now

23

00:01:00,790 --> 00:00:58,640

get in a more real mission configuration

24

00:01:03,349 --> 00:01:00,800

basically the robot has the capabilities

25

00:01:06,550 --> 00:01:03,359

to email us a status saying i'm fine i'm

26

00:01:08,789 --> 00:01:06,560

not fine and it also has the capability

27

00:01:11,270 --> 00:01:08,799

of calling us and that will be an

28

00:01:15,429 --> 00:01:11,280

interesting thing to have because

29

00:01:18,070 --> 00:01:15,439

when events happen a storm a change then

30

00:01:22,950 --> 00:01:18,080

that might be a way the robot can warn

31

00:01:26,710 --> 00:01:24,870

for more information on these topics go