



1
00:00:07,030 --> 00:00:04,690
we're flying in towards Mount sharp

2
00:00:07,629 --> 00:00:07,040
located in the center of Gale Crater on

3
00:00:09,790 --> 00:00:07,639
Mars

4
00:00:12,190 --> 00:00:09,800
and to give you a sense of scale Gale

5
00:00:14,230 --> 00:00:12,200
Crater has the diameter of the Big

6
00:00:16,299 --> 00:00:14,240
Island of Hawaii and Mount sharp is

7
00:00:20,050 --> 00:00:16,309
taller than the highest mountain in the

8
00:00:22,509 --> 00:00:20,060
lower 48 United States as we descend to

9
00:00:24,370 --> 00:00:22,519
about 500 feet we're gonna be seeing

10
00:00:27,040 --> 00:00:24,380
some of the terrains that curiosity has

11
00:00:29,139 --> 00:00:27,050
been exploring to begin with we're gonna

12
00:00:31,960 --> 00:00:29,149
look at Yellowknife Bay which is this

13
00:00:33,639 --> 00:00:31,970

arcuate rim of rock a little cliff there

14

00:00:35,620 --> 00:00:33,649

and that's where she discovered clays

15

00:00:38,020 --> 00:00:35,630

and an ancient habitable environment on

16

00:00:39,460 --> 00:00:38,030

Mars but we had to drive there from

17

00:00:42,040 --> 00:00:39,470

where we landed which is this

18

00:00:45,280 --> 00:00:42,050

mound-shaped um icky terrain that was

19

00:00:48,099 --> 00:00:45,290

safe and you can see how it's flatter we

20

00:00:51,970 --> 00:00:48,109

landed right in the middle of the head

21

00:00:54,130 --> 00:00:51,980

now in late 2013 curiosity is driving

22

00:00:56,950 --> 00:00:54,140

her way through this terrain it's kind

23

00:00:59,260 --> 00:00:56,960

of itchy dandruff and rugged

24

00:01:01,389 --> 00:00:59,270

on the left we also have a field of dark

25

00:01:03,189 --> 00:01:01,399

colored sand dunes and we're trying to

26

00:01:05,170 --> 00:01:03,199

find a place where there's a gap in the

27

00:01:06,969 --> 00:01:05,180

sand dunes because we don't feel it safe

28

00:01:10,270 --> 00:01:06,979

to cross over the sand dunes with the

29

00:01:12,640 --> 00:01:10,280

rover we'd rather do it on hardrock we

30

00:01:16,149 --> 00:01:12,650

would guess that sometime towards the

31

00:01:17,770 --> 00:01:16,159

middle of 2014 we will arrive at this

32

00:01:20,260 --> 00:01:17,780

place where there's a break in the sand

33

00:01:22,060 --> 00:01:20,270

dunes it's a place that's special to us

34

00:01:24,490 --> 00:01:22,070

because it represents interesting

35

00:01:26,240 --> 00:01:24,500

geology and the topography is also

36

00:01:29,180 --> 00:01:26,250

interesting

37

00:01:31,640 --> 00:01:29,190

we call it Marie buttes named after

38

00:01:34,970 --> 00:01:31,650

Bruce Murray who is a pioneer in the

39

00:01:36,650 --> 00:01:34,980

field of planetary geology when you look

40

00:01:39,470 --> 00:01:36,660

down here you can see all these small

41

00:01:42,410 --> 00:01:39,480

buttes and mesas and each one of those

42

00:01:44,750 --> 00:01:42,420

buttes is about 5 to 10 meters high and

43

00:01:46,670 --> 00:01:44,760

each one of the buttes is about the

44

00:01:49,190 --> 00:01:46,680

length or width of a football field you

45

00:01:50,570 --> 00:01:49,200

can see that sort of valley that goes

46

00:01:53,000 --> 00:01:50,580

through the middle of them there

47

00:01:54,770 --> 00:01:53,010

that's where curiosity will wend her way

48

00:01:57,320 --> 00:01:54,780

through this rough terrain

49

00:01:59,810 --> 00:01:57,330

we hope making interesting discoveries

50

00:02:01,940 --> 00:01:59,820

and most importantly signifying the

51

00:02:03,530 --> 00:02:01,950

transition between the first half of the

52

00:02:06,020 --> 00:02:03,540

mission which was exploring the plains

53

00:02:08,359 --> 00:02:06,030

we landed on and the second half of the