



1
00:00:08,200 --> 00:00:06,280
hi my name is Richard Morris one of the

2
00:00:10,000 --> 00:00:08,210
mission managers on the Mars exploration

3
00:00:13,990 --> 00:00:10,010
Rovers and this is the flight director

4
00:00:16,420 --> 00:00:14,000
update for the 22nd of may 2007 we'll

5
00:00:19,240 --> 00:00:16,430
start with spirit currently it is early

6
00:00:21,340 --> 00:00:19,250
morning on salt 1203 for spirit later on

7
00:00:24,700 --> 00:00:21,350
today spirit will drive away from the

8
00:00:27,520 --> 00:00:24,710
Phillips I'll deposit it's been studying

9
00:00:29,710 --> 00:00:27,530
for several weeks now the soil deposits

10
00:00:31,589 --> 00:00:29,720
as measured by spirits alpha particle

11
00:00:34,300 --> 00:00:31,599
x-ray spectrometer contain a

12
00:00:37,180 --> 00:00:34,310
concentration of pure silica of ninety

13
00:00:39,100 --> 00:00:37,190

percent that fact combined with the

14

00:00:40,990 --> 00:00:39,110

mineralogy as measured by spirits

15

00:00:44,620 --> 00:00:41,000

miniature thermal emission spectrometer

16

00:00:47,560 --> 00:00:44,630

tell us that the soil was formed by

17

00:00:51,970 --> 00:00:47,570

processes which require the presence of

18

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

water these silica rich soil deposits

19

00:00:56,740 --> 00:00:54,140

were ironically uncovered by spirits

20

00:00:58,420 --> 00:00:56,750

stuck right front wheel which as spirit

21

00:01:01,720 --> 00:00:58,430

drags this wheel behind it it tends to

22

00:01:03,729 --> 00:01:01,730

excavate a small trench next for Spirit

23

00:01:06,029 --> 00:01:03,739

will be to drive on top of home plate on

24

00:01:08,620 --> 00:01:06,039

the way Spirit will investigate

25

00:01:10,359 --> 00:01:08,630

Geographic layering in order to attempt

26

00:01:13,719 --> 00:01:10,369

to characterize the depth of these

27

00:01:14,859 --> 00:01:13,729

silica rich soil to prod meanwhile on

28

00:01:16,719 --> 00:01:14,869

the other side of the planet or

29

00:01:21,010 --> 00:01:16,729

opportunity it is currently early

30

00:01:24,099 --> 00:01:21,020

evening on tall 1182 today opportunity

31

00:01:26,819 --> 00:01:24,109

drove away from the rock target known as

32

00:01:29,639 --> 00:01:26,829

Sir Cydia sir Cydia is potentially a

33

00:01:32,139 --> 00:01:29,649

jective from deep inside Victoria crater

34

00:01:34,510 --> 00:01:32,149

next opportunity will make its way

35

00:01:36,699 --> 00:01:34,520

around the northwest edge of Victoria

36

00:01:39,429 --> 00:01:36,709

crater in order to make its way back to

37

00:01:42,419 --> 00:01:39,439

duck Bay on the way opportunity will

38

00:01:44,919 --> 00:01:42,429

continue checkouts of its new technology

39

00:01:46,239 --> 00:01:44,929

i'm richard morris thanks for watching