



1  
00:06:24,719 --> 00:03:16,760

you

2  
00:06:26,490 --> 00:06:24,729

sink and then they remember oh I saw

3  
00:06:27,810 --> 00:06:26,500

well this you know it's halfway through

4  
00:06:29,460 --> 00:06:27,820

the process how can they get back you

5  
00:06:31,050 --> 00:06:29,470

know there isn't a legitimate way out of

6  
00:06:33,980 --> 00:06:31,060

this because we're using the file

7  
00:06:37,080 --> 00:06:33,990

interface rather than the shared memory

8  
00:06:41,310 --> 00:06:37,090

because right now what I'm having Terri

9  
00:06:46,040 --> 00:06:41,320

do is as he gets in a frames worth of

10  
00:09:11,850 --> 00:06:46,050

data spectra the polarity and the power

11  
00:09:16,500 --> 00:09:13,870

everything we've learned in our modern

12  
00:09:19,420 --> 00:09:16,510

studies of astronomy a biology of

13  
00:09:21,400 --> 00:09:19,430

evolution of life have showed that the

14

00:09:23,410 --> 00:09:21,410

steps which led to our being here

15

00:09:26,230 --> 00:09:23,420

including our high technology using

16

00:09:28,240 --> 00:09:26,240

civilization are completely normal steps

17

00:09:30,910 --> 00:09:28,250

in the evolution of a star and its

18

00:09:33,130 --> 00:09:30,920

planets and therefore the steps which

19

00:09:35,080 --> 00:09:33,140

led to our existence should have

20

00:09:36,550 --> 00:09:35,090

occurred in many many places and

21

00:09:41,010 --> 00:09:36,560

therefore there should be many

22

00:09:45,910 --> 00:09:41,020

technology using civilizations in space

23

00:09:48,520 --> 00:09:45,920

he channels at once it takes the

24

00:09:51,370 --> 00:09:48,530

incoming energy and sorts it out into

25

00:09:53,650 --> 00:09:51,380

those 15 million channels and then a

26

00:09:55,750 --> 00:09:53,660

computer looks at the result to see it

27

00:09:58,240 --> 00:09:55,760

if whether in any of those channels

28

00:10:01,510 --> 00:09:58,250

there are indications of the presence of

29

00:10:04,240 --> 00:10:01,520

a signal if such indications are present

30

00:10:06,190 --> 00:10:04,250

it notifies an operator who takes over

31

00:10:08,980 --> 00:10:06,200

and then takes whatever steps are

32

00:10:11,020 --> 00:10:08,990

appropriate to determine what the origin

33

00:10:13,300 --> 00:10:11,030

of that signal is and of course in

34

00:10:19,210 --> 00:10:13,310

particular whether it is an intelligent

35

00:10:21,390 --> 00:10:19,220

signal of extraterrestrial origin the

36

00:10:23,830 --> 00:10:21,400

goals of our project are to

37

00:10:26,920 --> 00:10:23,840

systematically searched through the

38

00:10:29,830 --> 00:10:26,930

microwave region of the spectrum to

39

00:10:34,450 --> 00:10:29,840

attempt to find evidence of another

40

00:10:37,000 --> 00:10:34,460

technology out there by picking up radio

41

00:10:38,710 --> 00:10:37,010

signals that they may have generated in

42

00:10:43,240 --> 00:10:38,720

order to attract our attention or for

43

00:10:45,520 --> 00:10:43,250

their own purposes NASA is interested in

44

00:10:48,490 --> 00:10:45,530

this project because it's interested in

45

00:10:50,770 --> 00:10:48,500

understanding the universe and life as

46

00:10:53,950 --> 00:10:50,780

we know it is a planetary phenomenon and

47

00:10:56,500 --> 00:10:53,960

from what our scientists tell us is a

48

00:10:59,050 --> 00:10:56,510

natural part of the universe and so

49

00:11:01,990 --> 00:10:59,060

we're just looking for other evidences

50

00:11:03,280 --> 00:11:02,000

of the outcome of the laws of physics

51

00:11:05,210 --> 00:11:03,290

and chemistry and just trying to

52

00:11:11,300 --> 00:11:05,220

understand our place in the universe

53

00:11:12,889 --> 00:11:11,310

oh not only NASA is interested in

54

00:11:14,600 --> 00:11:12,899

looking out there to find other

55

00:11:17,929 --> 00:11:14,610

technology and therefore other

56

00:11:19,639 --> 00:11:17,939

intelligence but everyone is interested

57

00:11:21,170 --> 00:11:19,649

and we've been as we've been interested

58

00:11:23,119 --> 00:11:21,180

since as long as we've had recorded

59

00:11:26,079 --> 00:11:23,129

history the ancient Greeks and Romans

60

00:11:28,550 --> 00:11:26,089

used to wonder about who lived up there

61

00:11:30,949 --> 00:11:28,560

we used to ask the question to the

62

00:11:32,900 --> 00:11:30,959

priests and philosophers from and we

63

00:11:33,470 --> 00:11:32,910

took whatever answers they gave us right

64

00:11:35,300 --> 00:11:33,480

now

65

00:11:37,220 --> 00:11:35,310

NASA is interested because scientists

66

00:11:39,079 --> 00:11:37,230

and engineers actually have the

67

00:11:41,569 --> 00:11:39,089

technology to make an experimental test

68

00:11:47,960 --> 00:11:41,579

and we may be successful in answering

69

00:11:49,759 --> 00:11:47,970

this age-old question if our if our

70

00:11:52,069 --> 00:11:49,769

equipment finds a signal and then tells

71

00:11:54,499 --> 00:11:52,079

us about it we'll spend a lot of time

72

00:11:56,900 --> 00:11:54,509

trying to verify that this is really

73

00:11:59,809 --> 00:11:56,910

what we think it is it's really a signal

74

00:12:03,829 --> 00:11:59,819

that's coming from someplace on the sky

75

00:12:07,280 --> 00:12:03,839

that moves the way the Stars do and then

76

00:12:08,960 --> 00:12:07,290

after we've done that verification and

77

00:12:11,090 --> 00:12:08,970

if possible and independent confirmation

78

00:12:12,530 --> 00:12:11,100

then we'll tell the world and we'll tell

79

00:12:15,139 --> 00:12:12,540

the world as quickly as we can

80

00:12:17,329 --> 00:12:15,149

and as openly as we can and we'll we'll

81

00:12:20,170 --> 00:12:17,339

make all the data from the discovery

82

00:12:22,490 --> 00:12:20,180

site and the subsequent verification

83

00:12:24,170 --> 00:12:22,500

available to the public or to other

84

00:12:27,189 --> 00:12:24,180

scientists so they can make their own

85

00:12:31,939 --> 00:12:30,499

we know so little about the potential

86

00:12:33,650 --> 00:12:31,949

out there for extraterrestrial

87

00:12:35,179 --> 00:12:33,660

technologies that we're actually trying

88

00:12:37,970 --> 00:12:35,189

to search simultaneously in two

89

00:12:41,299 --> 00:12:37,980

different ways one is that we pick out

90

00:12:43,009 --> 00:12:41,309

locations like our own we find stars

91

00:12:46,480 --> 00:12:43,019

that are nearby they're very much like

92

00:12:49,730 --> 00:12:46,490

our Sun and we spend a lot of time

93

00:12:52,569 --> 00:12:49,740

trying to get the weakest signals that

94

00:12:55,639 --> 00:12:52,579

might be coming from these nearby stars

95

00:12:57,679 --> 00:12:55,649

this is because a star like our Sun has

96

00:12:59,660 --> 00:12:57,689

an earth at least in one case that we

97

00:13:02,150 --> 00:12:59,670

know about and so we look for similar

98

00:13:03,799 --> 00:13:02,160

locations the other way we search is to

99

00:13:05,540 --> 00:13:03,809

say that might be right

100

00:13:07,730 --> 00:13:05,550

we might be right in guessing that it's

101

00:13:09,499 --> 00:13:07,740

a solar-type stars that we want but it

102

00:13:10,850 --> 00:13:09,509

might be the right star might be a long

103

00:13:14,240 --> 00:13:10,860

way away it doesn't show up in our

104

00:13:17,240 --> 00:13:14,250

catalogs so but it might have

105

00:13:19,550 --> 00:13:17,250

a really strong technological signal

106

00:13:21,350 --> 00:13:19,560

that we could detect if we were only to

107

00:13:23,990 --> 00:13:21,360

look in that direction so we do an

108

00:13:25,850 --> 00:13:24,000

all-sky survey at the same time and we

109

00:13:27,170 --> 00:13:25,860

use smaller telescopes so that we can

110

00:13:29,840 --> 00:13:27,180

move them rapidly across the sky

111

00:13:31,580 --> 00:13:29,850

covering all directions we never stay at

112

00:13:33,920 --> 00:13:31,590

any one direction and any frequency very

113

00:13:35,450 --> 00:13:33,930

long so the signal intrinsically has to

114

00:13:37,610 --> 00:13:35,460

be stronger for us to find it

115

00:13:39,830 --> 00:13:37,620

but we could find it that way where we