



1
00:00:00,000 --> 00:00:19,420

I

2
00:00:25,280 --> 00:00:22,460

six this year the nation's space program

3
00:00:28,250 --> 00:00:25,290

will generate several trillion bits of

4
00:00:30,080 --> 00:00:28,260

raw science and engineering data or put

5
00:00:32,150 --> 00:00:30,090

another way that's roughly equal to the

6
00:00:34,700 --> 00:00:32,160

amount of information stored in the

7
00:00:36,890 --> 00:00:34,710

Library of Congress getting it all

8
00:00:38,900 --> 00:00:36,900

analyzed and translated into useful

9
00:00:41,210 --> 00:00:38,910

knowledge offers an unprecedented

10
00:00:43,310 --> 00:00:41,220

opportunity one that will grow more

11
00:00:45,680 --> 00:00:43,320

important in the years ahead as NASA

12
00:00:47,689 --> 00:00:45,690

flies more shuttles and places free

13
00:00:49,400 --> 00:00:47,699

flying observatories and the Space

14

00:00:51,500 --> 00:00:49,410

Station freedom in Earth orbit the

15

00:00:52,970 --> 00:00:51,510

amount of information data they will

16

00:00:55,220 --> 00:00:52,980

come down from the spacecraft is

17

00:00:57,770 --> 00:00:55,230

unbelievable it's going to increase by

18

00:01:02,090 --> 00:00:57,780

about a factor of a thousand over the

19

00:01:04,460 --> 00:01:02,100

next half a decade now NASA officials

20

00:01:06,620 --> 00:01:04,470

have developed a pilot program aimed at

21

00:01:08,649 --> 00:01:06,630

sharing that information with academic

22

00:01:11,750 --> 00:01:08,659

researchers it's called the NASA

23

00:01:14,539 --> 00:01:11,760

University joint venture or simply the

24

00:01:16,160 --> 00:01:14,549

Jove initiative already the space agency

25

00:01:18,140 --> 00:01:16,170

works with several hundred of the

26
00:01:20,660 --> 00:01:18,150
nation's several thousand colleges and

27
00:01:23,840 --> 00:01:20,670
universities Jove will greatly broaden

28
00:01:25,760 --> 00:01:23,850
that partnership in short raw scientific

29
00:01:27,560 --> 00:01:25,770
and engineering data generated from

30
00:01:29,990 --> 00:01:27,570
future space flights will be made

31
00:01:31,940 --> 00:01:30,000
available to a university in exchange

32
00:01:34,429 --> 00:01:31,950
for analysis by faculty members and

33
00:01:36,709 --> 00:01:34,439
students the universities will also be

34
00:01:37,910 --> 00:01:36,719
encouraged to start outreach programs to

35
00:01:40,190 --> 00:01:37,920
bring the excitement of the space

36
00:01:42,529 --> 00:01:40,200
program into secondary in elementary

37
00:01:44,240 --> 00:01:42,539
schools in their area that may go a long

38
00:01:46,819 --> 00:01:44,250

way toward addressing a growing national

39

00:01:49,010 --> 00:01:46,829

concern will there be enough scientists

40

00:01:52,130 --> 00:01:49,020

and engineers in the years ahead to meet

41

00:01:54,230 --> 00:01:52,140

the expanding need the future of the

42

00:01:57,410 --> 00:01:54,240

United States particularly our economy

43

00:01:59,510 --> 00:01:57,420

depends on our technology and it's these

44

00:02:01,669 --> 00:01:59,520

kids the ones now who are making these

45

00:02:03,590 --> 00:02:01,679

choices of do I go into science and

46

00:02:04,819 --> 00:02:03,600

engineering it's these kids are going to

47

00:02:06,380 --> 00:02:04,829

be the ones that are that are going to

48

00:02:08,719 --> 00:02:06,390

generate the new technology of the

49

00:02:12,050 --> 00:02:08,729

future on which will depend as a nation

50

00:02:14,180 --> 00:02:12,060

and many are not choosing it the job

51
00:02:16,280 --> 00:02:14,190
pilot program will get underway this

52
00:02:18,800 --> 00:02:16,290
summer as participating professors

53
00:02:20,660 --> 00:02:18,810
attend an orientation session at NASA's

54
00:02:22,280 --> 00:02:20,670
Marshall Space Flight Center before

55
00:02:24,590 --> 00:02:22,290
returning to their respective campuses

56
00:02:26,990 --> 00:02:24,600
the program is expected to become

57
00:02:29,450 --> 00:02:27,000
operational nationwide in a couple of

58
00:02:53,110 --> 00:02:29,460
years in Huntsville this is mike

59
00:02:59,710 --> 00:02:57,360
see were maneuvering to the nebula now

60
00:03:31,539 --> 00:02:59,720
parking on the moon is like hitting a

61
00:03:31,549 --> 00:03:48,370
10 liftoff