



ATTENTION

ES
10
IS.

1
00:00:00,133 --> 00:00:00,467
"JPL"

2
00:00:00,467 --> 00:00:00,968
The Jet Propulsion Laboratory

3
00:00:00,968 --> 00:00:03,170
[Typing] "CALIFORNIA
INSTITUTE OF TECHNOLOGY"

4
00:00:08,242 --> 00:00:09,409
[William Pickering] The
long range purpose

5
00:00:09,409 --> 00:00:12,145
of unmanned exploration
of the planets

6
00:00:12,546 --> 00:00:15,048
is the development
of technology

7
00:00:15,048 --> 00:00:18,285
which will lead to eventual
manned exploration.

8
00:00:18,285 --> 00:00:19,319
[rocket blast]

9
00:00:19,319 --> 00:00:20,220
[Flight Director]
Power...

10
00:00:20,220 --> 00:00:21,255
[Male voice]
Go.

11
00:00:21,255 --> 00:00:22,089
[Flight Director]

Systems...

12

00:00:22,089 --> 00:00:23,056

[Female voice]

Go.

13

00:00:23,056 --> 00:00:23,390

[Flight Director]

Propulsion...

14

00:00:23,390 --> 00:00:24,458

[Female voice]

Go.

15

00:00:24,458 --> 00:00:25,459

[Flight Director]

Avionics...

16

00:00:25,459 --> 00:00:25,893

[Male voice]

Go.

17

00:00:25,893 --> 00:00:27,294

[Flight Director]

Flight software...

18

00:00:27,294 --> 00:00:28,362

[Male voice]

Go.

19

00:00:28,362 --> 00:00:30,497

[Pickering] Scientifically,

our objective is

20

00:00:30,497 --> 00:00:33,333

to assistant answering

two basic questions:

21

00:00:33,600 --> 00:00:37,471

What if any lifeforms

exist on the planets?

22

00:00:37,471 --> 00:00:40,107

And, how has the solar
system been formed?

23

00:00:40,340 --> 00:00:41,174

[Flight Director]

Telecom...

24

00:00:41,174 --> 00:00:42,209

[Male voice]

Go.

25

00:00:42,209 --> 00:00:43,076

[Flight Director]

Fault protection...

26

00:00:43,076 --> 00:00:44,111

[Female voice]

Go.

27

00:00:44,111 --> 00:00:45,078

[Flight Director]

Uplink...

28

00:00:45,078 --> 00:00:45,479

[Male voice]

Go.

29

00:00:45,479 --> 00:00:46,380

[Flight Director]

Phase lead...

30

00:00:48,282 --> 00:00:47,214

[Female voice]

Go.

31

00:00:48,282 --> 00:00:49,182

[Male voice]

Go.

32

00:00:49,182 --> 00:00:50,150

[Female voice]

Go.

33

00:00:50,150 --> 00:00:51,118

[Male voice]

Go.

34

00:00:52,419 --> 00:00:51,518

[Female voice]

Go.

35

00:00:52,419 --> 00:00:53,387

[Male voice]

Go!

36

00:00:53,387 --> 00:00:55,455

[rockets firing]

37

00:00:57,324 --> 00:00:58,358

[Operations Lead]

Touchdown confirmed.

38

00:00:58,358 --> 00:00:59,660

We're safe on Mars!

39

00:00:59,660 --> 00:01:01,662

[cheering]

40

00:01:09,369 --> 00:01:11,371

NASA Jet Propulsion Laboratory