



1

00:00:12,141 --> 00:00:22,113

The Ranger Block 3 spacecraft included solar panels, an Omni-end high-gain antenna, mid-course motor

2

00:00:22,113 --> 00:00:28,096

electronics, batteries and the television subsystem. The TV subsystem contains six cameras.

3

00:00:28,096 --> 00:00:35,077

Launch of the Ranger missions was accomplished by an Atlas-Agena combination from Cape Kennedy.

4

00:00:35,077 --> 00:00:41,060

After separation from the Atlas booster, the Agena and spacecraft combination entered a parking orbit

5

00:00:41,060 --> 00:00:47,043

from which the spacecraft and Agena were injected on a lunar trajectory.

6

00:00:47,043 --> 00:00:58,013

'5 - 4 - 3 - 2 - 1'

7

00:00:58,013 --> 00:01:03,996

The mission of the Block 3 Ranger flights was to obtain television pictures

8

00:01:03,996 --> 00:01:06,988

of the small-scale topography in selected areas of the lunar surface

9

00:01:06,988 --> 00:01:10,977

which would benefit science and the manned lunar program.

10

00:01:10,977 --> 00:01:13,968

On July 31, 1964 '1,120 kilometers'

11

00:01:13,968 --> 00:01:20,949

NASA's Ranger 7 spacecraft '576 kilometers'

12

00:01:20,949 --> 00:01:22,943

impacted the moon in a preselected targeted area.

13

00:01:22,943 --> 00:01:31,918

Camera B provided valuable oblique views.

14

00:01:31,918 --> 00:01:35,907

'Nine minutes to impact.'

15

00:01:35,907 --> 00:01:38,899

'altitude 608 kilometers.'

16

00:01:38,899 --> 00:01:40,893

'Impact.'