



1  
00:00:00,220 --> 00:00:01,160  
5...

2  
00:00:01,160 --> 00:00:02,380  
4...

3  
00:00:02,380 --> 00:00:03,440  
3...

4  
00:00:03,440 --> 00:00:04,480  
2...

5  
00:00:04,480 --> 00:00:11,420  
1...

and liftoff of the Atlas V and NOAA's GOES-S,

6  
00:00:11,420 --> 00:00:16,150  
a highly sophisticated weather-watching eye  
in the sky to join its twin in providing better

7  
00:00:16,150 --> 00:00:19,529  
forecasts and saving lives.

8  
00:00:19,529 --> 00:00:27,170  
Atlas has begun a pitch and yaw maneuver to  
steer to its planned path and azimuth of 100.7

9  
00:00:27,170 --> 00:00:28,170  
degrees.

10  
00:00:28,170 --> 00:00:34,340  
At 35 seconds, the rocket carrying GOES-S  
will reach Mach 1, traveling faster than the

11  
00:00:34,340 --> 00:00:38,410  
speed of sound.

12  
00:00:38,410 --> 00:00:41,270

Roll program is complete.

13

00:00:41,270 --> 00:00:44,750

Speed chamber pressures are rolling off as expected.

14

00:00:44,750 --> 00:00:50,090

At 47 seconds after launch, the vehicle will pass through the area of maximum dynamic pressure,

15

00:00:50,090 --> 00:00:51,090

or Max-Q.

16

00:00:51,090 --> 00:00:55,430

Mach, Max-Q.

17

00:00:55,430 --> 00:01:00,060

This is the point when mechanical stress on the rocket reaches its peak because of the

18

00:01:00,060 --> 00:01:05,150

rocket's velocity and the resistance created by the Earth's atmosphere.

19

00:01:05,150 --> 00:01:13,040

Booster has throttled up as expected.

20

00:01:13,040 --> 00:01:18,150

You are also hearing the voice of United Launch Alliance Flight Commentator Marty Malinowski.

21

00:01:18,150 --> 00:01:21,870

SRB chamber pressures continue to look good.

22

00:01:21,870 --> 00:01:24,310

And plateau.

23

00:01:24,310 --> 00:01:28,510

At one minute, 50 seconds into flight, the

first two solid rocket boosters will be jettisoned,

24

00:01:28,510 --> 00:01:33,060

followed about a second-and-a-half later of  
the other boosters.

25

00:01:33,060 --> 00:01:38,380

And we have indication of SRB burnout.

26

00:01:38,380 --> 00:01:47,230

Booster engine continues to perform well.

27

00:01:47,230 --> 00:01:56,080

Approximately 10 seconds to SRB jettison.