1
00:00:02,040 --> 00:00:03,840
George Diller, NASA Launch Commentator: This is Pegasus Launch Control.

2
00:00:03,840 --> 00:00:04,840
We're now

3
00:00:04,840 --> 00:00:12,599
18 minutes, 39 seconds into the flight of the CYGNSS mission which has launched

4
00:00:12,599 --> 00:00:17,020
aboard a Pegasus XL rocket.

5
00:00:17,020 --> 00:00:19,380
And we're being joined now by Tim Dunn, who is our

6
00:00:19,380 --> 00:00:23,970
NASA launch director for this Pegasus flight this morning.

7
00:00:23,970 --> 00:00:29,829
Tim, first of all, give us a quick summary about how the vehicle performed flight once

8
00:00:29,829 --> 00:00:30,829
we

9
00:00:30,829 --> 00:00:31,829
deployed.

10
00:00:31,829 --> 00:00:32,829
How did it look to you?

11
00:00:32,829 --> 00:00:35,270
Tim Dunn, NASA launch director: It looked beautiful George.

12
00:00:35,270 --> 00:00:36,270
We're very excited.

13
00:00:36,270 --> 00:00:37,270
You

14
00:00:37,270 --> 00:00:40,940
can probably sense a little of the excitement
over our shoulders here in the launch

15
00:00:40,940 --> 00:00:42,760
directors center.

16
00:00:42,760 --> 00:00:43,760
Excellent.

17
00:00:43,760 --> 00:00:45,920
Excellent performance by the team.

18
00:00:45,920 --> 00:00:51,470
It's a great event when you have successful
spacecraft separation and when you got

19
00:00:51,470 --> 00:00:54,810
microsatellites you get to multiply that by
eight.

20
00:00:54,810 --> 00:00:57,130
So that's a lot of fun.

21
00:00:57,130 --> 00:01:01,420
For Pegasus, it was, overall it was a beautiful
day.

22
00:01:01,420 --> 00:01:02,420
Gorgeous

23
00:01:02,420 --> 00:01:03,700

weather.

24
00:01:03,700 --> 00:01:05,439
Perfectly smooth with countdown.

25
00:01:05,439 --> 00:01:08,690
The Pegasus launch vehicle had no issues

26
00:01:08,690 --> 00:01:13,060
in preparing it this morning out on the Skid
Strip at the Cape.

27
00:01:13,060 --> 00:01:18,140
Spacecraft CYGNSS, excuse me, the CYGNSS spacecraft
had no problems in the prep

28
00:01:18,140 --> 00:01:19,970
for those either.

29
00:01:19,970 --> 00:01:25,120
L-1011 getting all of the activities, prelaunch,
engine start activity, we're pleased that

30
00:01:27,120 --> 00:01:26,120
all

31
00:01:27,120 --> 00:01:32,060
On the range side, Eastern Range phenomenal
job by the Air Force as usual.

32
00:01:32,060 --> 00:01:33,060
With all of

33
00:01:33,060 --> 00:01:37,570
their area support that they provide to us
to enable us to launch.

34
00:01:37,570 --> 00:01:39,130
To stage out of the

35
00:01:39,130 --> 00:01:43,520
Cape Canaveral Air Force Station Skid Strip
and then to launch off the coast in the

36
00:01:43,520 --> 00:01:45,450
Eastern Range area.

37
00:01:45,450 --> 00:01:47,610
So, beautiful weather.

38
00:01:47,610 --> 00:01:49,320
Thank our launch weather officer.

39
00:01:49,320 --> 00:01:50,870
We had some challenges flying

40
00:01:50,870 --> 00:01:56,840
around a lot of precip and dealing with the
fog on the runway a couple of morning's ago.

41
00:01:56,840 --> 00:01:58,740
None of that present today.

42
00:01:58,740 --> 00:02:02,240
So hopefully everyone got to see some beautiful
shots from

43
00:02:02,240 --> 00:02:04,130
our chase plane.

44
00:02:04,130 --> 00:02:05,690
That was gorgeous.

45
00:02:05,690 --> 00:02:11,599
We had a nominal "hit the box" on time.

46
00:02:11,599 --> 00:02:13,200

And dropped the Pegasus from the belly of
the

47
00:02:13,200 --> 00:02:14,200
L-1011.

48
00:02:14,200 --> 00:02:15,560
Then had a nominal flight out.

49
00:02:15,560 --> 00:02:18,540
All three stages performed beautifully.

50
00:02:18,540 --> 00:02:19,540
No issues

51
00:02:19,540 --> 00:02:22,109
at all with Pegasus launch vehicle performance.

52
00:02:22,109 --> 00:02:24,690
And then spacecraft separation with all

53
00:02:24,690 --> 00:02:28,219
of the eight paired spacecraft went right
on time.

54
00:02:28,219 --> 00:02:30,919
George Diller, NASA Launch Commentator: Sounds
like we had good data from our

55
00:02:30,919 --> 00:02:33,779
partners in South America that were tracking
this for us.

56
00:02:33,779 --> 00:02:34,779
Tim Dunn: Absolutely.

57
00:02:34,779 --> 00:02:36,719
We actually had two teams in South America.

58
00:02:36,719 --> 00:02:37,719
We had some

59
00:02:37,719 --> 00:02:44,829
redundancy, but our friends from CNES, European Space Agency, linked in there at

60
00:02:44,829 --> 00:02:49,730
French Guiana, they aided us in acquiring that telemetry.

61
00:02:49,730 --> 00:02:51,930
In addition, we had Wallops, a

62
00:02:51,930 --> 00:02:58,769
NASA center here off the Virginia coast, deployed all the way down to French Guiana,

63
00:02:58,769 --> 00:03:00,280
and set up at the airport.

64
00:03:00,280 --> 00:03:02,210
We got perfect data from both sites.

65
00:03:02,210 --> 00:03:04,319
So I'd like to thank them

66
00:03:04,319 --> 00:03:05,319
for their support.

67
00:03:05,319 --> 00:03:08,209
George Diller: Data continuity all the way through.

68
00:03:08,209 --> 00:03:09,459
Tim Dunn: Absolutely.

69
00:03:09,459 --> 00:03:13,529

George: Well, we're not finished with Pegasus
by a longshot.

70
00:03:13,529 --> 00:03:14,779
There is another flight

71
00:03:14,779 --> 00:03:15,809
coming up next year.

72
00:03:15,809 --> 00:03:16,809
Is that right?

73
00:03:16,809 --> 00:03:17,809
Tim Dunn: Yes.

74
00:03:17,809 --> 00:03:20,730
As a matter of fact, our next mission on Pegasus
will be the IKON

75
00:03:20,730 --> 00:03:21,800
mission.

76
00:03:21,800 --> 00:03:25,900
And that will stage out of, will process at
Vandenberg Air Force Base (in

77
00:03:25,900 --> 00:03:26,900
California).

78
00:03:26,900 --> 00:03:30,980
But we'll do a ferry flight down to the Pacific
Ocean to the Kwajalein Atoll

79
00:03:30,980 --> 00:03:32,640
and launch out of Kwaj.

80
00:03:32,640 --> 00:03:35,739
So that is scheduled for mid-June of 2017.

81
00:03:35,739 --> 00:03:38,519
George: Well Tim, thank you very much.

82
00:03:38,519 --> 00:03:40,099
And congratulations.

83
00:03:40,099 --> 00:03:41,139
And we'll be talking again

84
00:03:41,139 --> 00:03:42,650
before then I'm sure.

85
00:03:42,650 --> 00:03:44,239
But definitely from Kwajalein.

86
00:03:44,239 --> 00:03:45,239
So thanks very much.

87
00:03:45,239 --> 00:03:46,239
Tim: You're welcome George.

88
00:03:46,239 --> 00:03:51,609
George: Tim Dunn, our NASA launch director
for the CYGNSS Orbital ATK Pegasus

89
00:03:51,609 --> 00:03:53,340
flight today.

90
00:03:53,340 --> 00:03:58,419
Standby, we have some more interviews coming
up with some of our spacecraft

91
00:03:58,419 --> 00:04:03,559
personnel to tell us how the deployments are
looking.

92
00:04:03,559 --> 00:04:04,890
And hopefully our principal

93
00:04:04,890 --> 00:04:07,579
investigator may have some comments as well.

94
00:04:07,579 --> 00:04:08,849
That will be coming up here we hope in

95
00:04:08,849 --> 00:04:10,760
the next few minutes.

96
00:04:10,760 --> 00:04:15,049
So we're no 22 minutes, 45 seconds into the
CYGNSS mission.