

MSL EDL LIVE Telemetry Visualization - Chase

Receiving MC State Telemetry Data
 Receiving J2000 Telemetry Data
 Waiting For MSP Telemetry Data last recvd: N/A

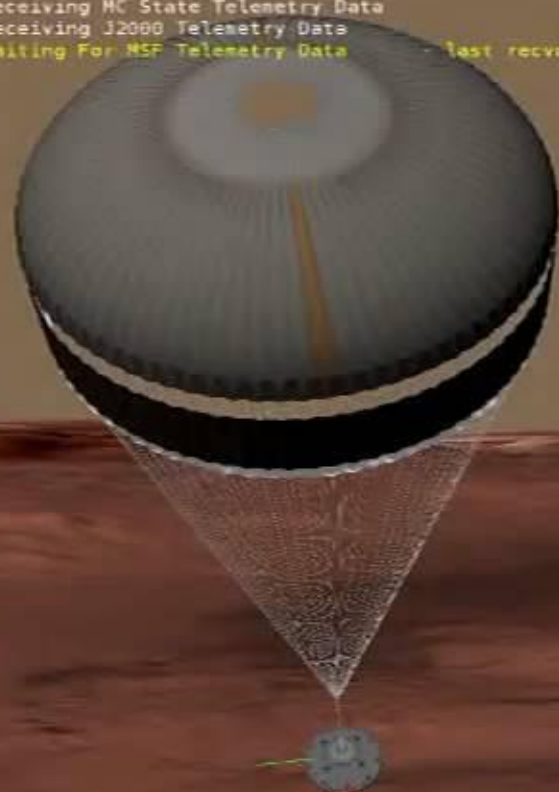
System Active: *

UTC: 2012 AUG 06 05:16:24.170
 SCLK: 397502184.17
 Altitude (m) : 10712.7 Calculated
 Velocity (m/s): 194.1 (-44.5, -188.9, -4.5)
 Lat/Lon (deg) : -4.6 , 137.4

Last S/C Alt & Pos Recvd

MSP shown in yellow

397502184.17	10712.7	(-1202087.5, 2689251.8, 1131.1)
397502182.17	10907.4	(-1201446.0, 2689821.0, 1131.1)
397502180.17	11112.7	(-1200768.9, 2690420.0, 1131.1)
397502178.17	11336.7	(-1200046.6, 2691061.2, 1131.1)
397502170.17	12486.6	(-1196506.4, 2694299.5, 1131.1)
397502168.17	12783.1	(-1195539.8, 2695088.0, 1131.1)
397502158.17	14131.4	(-1190474.0, 2699319.2, 1131.1)
397502156.67	14373.4	(-1189414.2, 2700161.2, 1131.1)
397502154.17	14607.9	(-1188340.6, 2701002.5, 1131.1)
397502152.17	14835.3	(-1187254.5, 2701843.2, 1131.1)
397502150.17	15056.7	(-1186155.5, 2702684.5, 1131.1)
397502148.17	15271.6	(-1185043.5, 2703526.0, 1131.1)
397502146.17	15480.5	(-1183918.5, 2704368.2, 1131.1)
397502144.17	15683.1	(-1182780.1, 2705210.8, 1131.1)
397502142.17	15879.3	(-1181628.1, 2706053.8, 1131.1)
397502140.17	16068.8	(-1180462.2, 2706897.2, 1131.1)
397502138.17	16252.2	(-1179282.6, 2707741.5, 1131.1)
397502136.17	16428.9	(-1178088.5, 2708586.2, 1131.1)
397502134.17	16599.0	(-1176879.8, 2709431.5, 1131.1)
397502132.17	16762.9	(-1175656.5, 2710278.0, 1131.1)
397502130.17	16919.5	(-1174418.0, 2711125.0, 1131.1)
397502128.17	17070.0	(-1173163.9, 2711972.8, 1131.1)
397502126.17	17213.7	(-1171894.4, 2712821.8, 1131.1)
397502124.17	17350.8	(-1170609.1, 2713672.0, 1131.1)
397502122.17	17480.9	(-1169307.6, 2714523.2, 1131.1)
397502120.17	17604.7	(-1167990.0, 2715376.2, 1131.1)
397502118.17	17721.8	(-1166655.9, 2716230.8, 1131.1)
397502116.17	17832.0	(-1165304.6, 2717087.0, 1131.1)
397502114.17	17935.8	(-1163936.4, 2717945.5, 1131.1)
397502112.17	18033.0	(-1162550.9, 2718806.2, 1131.1)



MC State Display Legend

Current State

Received State

Not Received State

00 IDLE
 01 OPEN_LOOP_STANDBY
 02 OPEN_LOOP_FIRE_DRCS_THRUSTERS
 03 OPEN_LOOP_SET_MLE_THROTTLES
 04 RCS_WARM_UP
 05 SPINDOWN
 06 TURN_TO_ENTRY
 07 WAIT_FOR_ENTRY
 08 WAIT_FOR_GUIDANCE_START
 09 RANGE_CONTROL_SLEW_TO_COMMANDED_BANK_ANGLE
 10 RANGE_CONTROL_TRACK
 11 RANGE_CONTROL_BANK_REVERSAL
 12 HEADING_ALIGNMENT_SLEW_TO_COMMANDED_BANK_ANGLE
 13 HEADING_ALIGNMENT_TRACK
 14 SLEW_AND_SUFR_SLEW_TO_RADAR_ATTITUDE
 15 SLEW_AND_SUFR_WAIT_FOR_CHUTE_DEPLOY
 16 ALIGN_CHUTE_DEPLOY_TRANSIENTS_TO_SETTLE
 17 HEATSHIELD_SEP_LOGIC_ENABLED
 18 RCS_CONTROL_INHIBITED
 19 WAIT_FOR_TDS_NAV_INIT
 20 TDS_NAV_INIT
 21 MLE_PRIMING_LOGIC_ENABLED
 22 POWERED_DESCENT_START_LOGIC_ENABLED
 23 WAIT_FOR_BACKSHELL_SEP
 24 FREE_FALL
 25 MLE_WARM_UP
 26 PD_DETUMBLE
 27 PD_TURN_TO_INITIAL_ATTITUDE
 28 PD_POWERED_APPROACH
 29 PD_CONSTANT_VELOCITY_ACCORDION
 30 PD_CONSTANT_DECELERATION_NOMINAL
 31 PD_CONSTANT_DECELERATION_SATURATED_AT_MAX
 32 PD_CONSTANT_DECELERATION_SATURATED_AT_MIN
 33 PD_THRTL_DOWN_AND_DAMP_TRANSIENTS
 34 PD_DEPLOY_ROVER_AND_DAMP_TRANSIENTS
 35 PD_READY_FOR_TOUCHDOWN
 36 PD_STOP_VERTICAL_MOTION
 37 PD_ALTITUDE_HOLD
 38 DONE

[0.00 401.33]

389.06 kg
 Fuel

[0.00 10000.00]

194.09 m/s
 Velocity

[0.00 50.00]

0.80
 Mach

[-200.00 200.00]

-9.73 m/s²
 Accel

[0.00 1874]

10.71 km
 Altitude



Current Vehicle Configuration
 Based on Received Telemetry

1
00:00:03,420 --> 00:00:14,870
[Music]

2
00:00:14,880 --> 00:00:19,429
interface

3
00:00:21,910 --> 00:00:20,790
we're not beginning to feel the

4
00:00:23,990 --> 00:00:21,920
atmosphere

5
00:00:25,509 --> 00:00:24,000
as we go in here

6
00:00:31,400 --> 00:00:25,519
uh it is reporting that we are seeing

7
00:00:31,410 --> 00:00:38,389
[Applause]

8
00:00:45,190 --> 00:00:40,069
we should have parachute deploy around

9
00:00:45,200 --> 00:00:48,310
the parachute is deployed

10
00:00:48,320 --> 00:00:51,990
we are decelerating

11
00:00:55,430 --> 00:00:53,830
has separated on the ground

12
00:01:00,310 --> 00:00:55,440
we're down to 90 meters per second at an

13
00:01:00,320 --> 00:01:06,710

standing by for bachelor separation

14

00:01:13,910 --> 00:01:08,860

we are in powered flight

15

00:01:15,190 --> 00:01:13,920

[Applause]

16

00:01:17,749 --> 00:01:15,200

we're an altitude of one kilometer

17

00:01:35,429 --> 00:01:19,749

standing by for sky crane

18

00:02:01,830 --> 00:01:37,580

touchdown

19

00:02:01,840 --> 00:02:07,370

you got a thumbnail

20

00:02:23,350 --> 00:02:14,300

[Applause]