

OPR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1444 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	102.0	359.5	359.7
ML CHI	100.0	359.0	360.0
GUI CHI	100.0	359.0	0.0
LADDER	1.5	0.0	0.0
FCC ERR	1.3	-0.2	-0.2
ANG VEL	-0.00	0.01	0.25
	-0.04	0.04	0.12
GO/NO-GO	60	M	M

GRR	01:55:32	06937
TB	01:43:46	06776
TBU	01:43:46	06776
TBI	00:11:51	
TTG	00:00	
TCO	01:55:15	
TTGO	42:29	
TOI	02:37:44	

S-IVB	P-ACT	Y-ACT	PRES
AO	1.2	-1.3	13664
BO	1.1	-1.3	71

LVL
85LAD A
GUID FAIL
TLC

A B

S-III		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D
S-IC		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

ACCEL Y	CRS RNG
ACCEL Z	DN RNG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.2
IN GMBL TEMP	104.0
LVDC TEMP	70.6
6D11 VOLT	20.7
6D31 VOLT	20.8

S/C CONT
CY113H

REV 1

A

HD1

0

MIN 1

7

REV 1

2

OPR 2

5

A3-MO

1 1

YR 6

SLV ESE NO 3

	Z AXIS	X AXIS
ANG	219.4	159.8
W/CHI	299.3	269.9
QU/CHI	299.2	9.9
LADDER	1.5	-4.8
FCC ERR	1.3	-4.7
ANG VEL	-4.00	9.99
	9.94	9.94
GO NO-GO	GO	GO

GRR	91:18:14
TB	91:18:14
TBU	91:18:14
TBI	99:11:51
TTG	-48:12
TCO	91:39:47
TTGO	49:24
TOI	92:37:45

S-1VB	P-ACT	Y-ACT	PRES
AO	1.1	-1.2	13534
BO	1.9	-1.2	71

LVL	86
-----	----

LAD A
GUID FAIL
TLC
A B

S-1I	
ENG 1	0

ENG 2	0
-------	---

ENG 3	0
-------	---

ENG 4	0
-------	---

S-1C	
ENG 1	0

ENG 2	0
-------	---

ENG 3	0
-------	---

ENG 4	0
-------	---

ACCEL Y	CRS ANG
ACCEL Z	DN ANG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.2
IN GREL TEMP	100.0
LVDC TEMP	70.6
6D11 VOLT	70.6
6D31 VOLT	70.0

S/C CONT

VANISH

OPR 2

5

A3-MO

1 1

YR

6

M1433E

SITE

SLV BSE NO 3

Y AXIS

Z AXIS

X AXIS

GPR

02:23:44 00:00

GIM ANG

67.7

359.1

0.3

TB

02:11:49 07:00

ML CHI

66.5

359.7

360.0

TBU

02:11:49 07:00

GUI CHI

66.3

359.7

0.0

TBI

00:11:51

LADDER

1.5

-0.2

0.5

TTG

00:00

FCC ERR

1.3

-0.4

0.3

TCO

02:23:23

ANG VEL

-0.00

0.09

0.97

TTGO

14:23

0.04

0.04

-0.04

TOI

02:37:43

GO/NO-GO

GO

N

N

S-1VB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

1.2

-1.3

13530

04

TLC

BO

1.1

-1.3

71

A B

S-11

ENG 1

0

0

ACCEL Y

Y

CRS ANG

ACCEL Z

Z

DN ANG

ACCEL X

X

VERT

ENG 2

0

0

CNTR

MEM

ENG 3

0

0

ENG 4

0

0

GAS BRG PRES

15.2

IN GMBL TEMP

104.4

LVDC TEMP

10.1

6D11 VOLT

10.0

6D31 VOLT

10.0

S-1C

ENG 1

0

0

S/C CONT

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

CRO13H

2nd Pass

APR 2

5

A2-MO

1 1

YR

6

9

LMI433E

SITE

SLV BSE NO 3

1404 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	33.6	359.4	359.1
ML CHI	32.5	360.0	360.0
GUI CHI	32.4	360.0	0.0
LADDER	1.4	-0.1	-0.6
FCC ERR	1.2	-0.4	-1.0
ANG VEL	-0.00	0.09	0.09
	0.04	0.04	0.12
GO/NO-GO	60	M	M

GRR	02:31:56	09114
TB	02:20:00	00400
TBU	02:20:00	00400
TBI	00:11:51	
TTG	00:00	
TCO	02:31:39	
TTGO	04:01	
TOI	02:37:40	

S-IVB	P-ACT	Y-ACT	PRES
AO	1.2	-1.3	13534
BO	1.1	-1.3	71

LVL
84LAD A
GUID FAIL
TLC

A B

S-II			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	
S-IC			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

ACCEL Y		CRS	RNG
ACCEL Z		DN	RNG
ACCEL X		VERT	
CNTR			
MEM			

GAS BRG PRES	15.2
IN GMBL TEMP	103.90
LVDC TEMP	60.1
6D11 VOLT	20.0
6D31 VOLT	29.0

S/C CONT
CRO13H

DAY 1

1

HR 1

0

MIN 5

2

SEC 4

TLI

OPR 2

5

A3-MO

1 1

YR

6

MI 431E

SITE

SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	321.0	10.0	360.0
MU CHI	320.2	10.0	360.0
GUI CHI	320.2	10.7	0.0
LADDER	1.0	-0.5	0.4
FCC ERR	0.7	-0.7	0.2
ANG VEL	-0.00	0.10	0.17
	0.04	0.12	0.12
GO/NO-GO	H	H	H

GPR	02:50:57	14750
TB	00:12:57	00777
TBU	00:00:00	00000
TBI	02:30:01	
TTG	02:21	
TCO	02:53:04	
TTGO	00:00	
TOI	02:50:42	

S-IVB	P-ACT	Y-ACT	PRES
AO	0.6	-0.5	3488
BO	0.6	-0.5	173

S-III

ENG 1

D

D

ENG 2

D

D

ENG 3

D

D

ENG 4

D

D

S-IC

ENG 1

D

D

ENG 2

D

D

ENG 3

D

D

ENG 4

D

D

LAO A

GUID FAIL

TLC

A B

ACCEL

Y

CBS ANG

ACCEL

Z

DN ANG

ACCEL

X

VERT

CNTR

MEM

GAS ENG PRES 15.3

IN CHSL TEMP 103.70

LVDC TEMP 67.3

GD11 VOLT 20.0

GD31 VOLT 20.0

S/C CONT

HAW13H

OPR 2

5

A3-M0

1 1

YR

6

M1433E

SITE

SLV BSE NO 3

191 124

	Y AXIS	Z AXIS	X AXIS
GIM ANG	320.0	11.8	0.2
ML CHI	319.3	12.4	319.0
GUT CHI	319.2	12.8	0.0
LADDER	1.0	-0.5	0.6
FCC ERR	0.0	-0.0	0.4
ANG VEL	-0.00	0.10	0.09
	0.12	0.12	0.04
GO/NO-GO	N	N	N

GRR	02:51:27	19137
TB	00:13:23	00005
TBU	00:00:00	00000
TBI	02:30:01	
TTG	01:54	
TCO	02:53:04	
TTGO	00:00	
TOI	02:51:00	

S-IVB	P-ACT	Y-ACT	PRES
AO	0.7	-0.5	3648
BO	0.6	-0.6	171

LVL	31
-----	----

LAD A
GUID FAIL
TLC
A B

S-II		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0
S-IC		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

ACCEL Y	CRS ANG
ACCEL Z	ON ANG
ACCEL X	VERT
CNTR	
MEM	

GAS ENG PRES	16.3
IN GNL TEMP	103.50
LVDC TEMP	67.3
GD11 VOLT	20.0
GD31 VOLT	29.0

S/C CONT
HAN13H

OPR 2

5

A3-MO

1 1

YR

6

TIME 4:15

SITE

SLV BSE NO 3

TIME 12:15

Y AXIS

Z AXIS

X AXIS

GRR

02:51:47 10100

GIM ANG

310.7

13.4

9.2

TB

00:13:47 00000

ML CHI

310.2

14.2

310.0

TBU

00:00:00 00000

GUI CHI

310.1

14.3

0.0

TBI

02:30:01

LADDER

1.1

-0.5

0.0

TTG

01:32

FCC ERR

0.7

-0.0

0.5

TCO

02:53:00

ANG VEL

-0.00

0.09

0.09

TTGO

00:00

0.04

0.12

0.20

TOI

02:51:32

GO/NO-GO

N

N

N

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.7

-0.6

3648

31

TLC

BO

0.6

-0.6

173

A B

S-II

ENG 1

0

0

ACCEL Y

Y

CRS ANG

ENG 2

0

0

ACCEL Z

Z

ON ANG

ENG 3

0

0

ACCEL X

X

VERT

ENG 4

0

0

CNTR

MEM

S-IC

ENG 1

0

0

GAS BRG PRES

15.2

ENG 2

0

0

IN GMBL TEMP

103.50

ENG 3

0

0

LVDC TEMP

17.3

ENG 4

0

0

6011 VOLT

20.0

6031 VOLT

29.0

S/C CONT

HAW13H

OPR 2

5

A3-M0

1 1

YR

6

M14312

SITE

SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	315.1	16.5	9.2
ML CHI	314.3	17.3	339.9
GUL CHI	314.0	17.5	9.9
LADDER	1.1	-0.5	0.6
FCC ERR	0.9	-0.7	0.5
ANG VEL	0.08	0.18	0.09
	-0.04	0.04	-0.13
GO NO-GO	N	N	N

GRR	92:52:41	187.1
TB	00:14:41	00001
TBU	00:07:40	00010
TBI	02:30:01	
TTG	00:40	
TCO	02:53:04	
TTGO	00:00	
TOI	02:52:26	

S-1VB	P-ACT	Y-ACT	PRES
AO	0.6	-0.5	3648
BO	0.6	-0.6	171

LVL
32

LAD A
QUID FAIL
TLC
A B

S-11

ENG 1

0

0

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

S-1C

ENG 1

0

0

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

ACCEL	Y	CMS ANG
ACCEL	Z	ON ANG
ACCEL	X	VERT
CNTR		
MEM		

GAS BRG PRES	15.3
IN GMBL TEMP	103.30
LVDC TEMP	17.3
GD11 VOLT	10.0
GD31 VOLT	10.9

S/C CONT
HAW13H

A

H09

Q

MIN 1

A

000 2

0

OPR 2

5

A3-MO

1 1

YR

6

M1431E

SITE

SLV BSE NO 3

194 12 1

	Y AXIS	Z AXIS	X AXIS
GIM ANG	311.6	17.3	359.7
ML CHI	310.7	15.2	360.5
GUI CHI	311.0	17.9	0.0
LADDER	0.9	-0.4	0.3
FCC ERR	0.8	-0.7	0.0
ANG VEL	0.16	0.09	0.09
	0.04	-0.05	0.04
GO/NO-GO	N	N	N

GRR	02:53:11	14171
TB	00:15:14	00014
TBU	00:07:40	00010
TBI	02:30:01	
TTG	00:04	
TCO	02:53:04	
TTGO	00:00	
TOI	02:52:59	

S-IVB	P-ACT	Y-ACT	PRES
AO	0.7	-0.6	3688
BO	0.6	-0.6	173

LVL	32
-----	----

LAD A
GUID FAIL
TLC
A B

S-11		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

ACCEL Y	CRS ANG
ACCEL Z	ON ANG
ACCEL X	VERT
CNTR	
MEM	

GAS ENG PRES	15.3
IN GASL TEMP	103.30
LVDC TEMP	67.3
GD11 VOLT	70.0
GD31 VOLT	70.9

S-1C		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

S/C CONT
HAW13H

0PR 2

5

A3-MO

1 1

YR

6

W1433E SITE SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
31M ANG	344.3	8.3	359.3
SL-CHI	399.8	5.5	360.0
GUI CHI	297.3	1.8	0.0
LADDER	2.84	2.84	0.9
FCC ERR	2.7	2.5	-4.2
ANG VEL	-0.35	-0.32	0.07
	-0.21	-0.38	0.04
GO/NO-GO	60	60	M

GRR	42:54:45
TB	44:44:44
TBU	44:44:44
TBI	42:53:21
TTG	44:44
TCO	42:53:52
TTGO	44:44
TOI	42:53:48

S-IVB	P-ACT	Y-ACT	PRES
AO	0.1	0.0	1954
BO	0.0	0.0	105

LVL
07

LAD A
GUID FAIL
TLC
A B

S-II		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

ACCEL	Y	CBS	ANG
ACCEL	Z	ON	ANG
ACCEL	X	VERT	
CMTR			
MEM			

GAS	ENG	PRES	10.3
IN	GASL	TEMP	103.30
LVDC	TEMP		67.3
GD11	VOLT		28.9
GD31	VOLT		29.0

S-IC		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

S/C CONT
HAW13H

OPR 2

5

A3-MO

1 1

YR

6

MI4338

SITE

SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	299.9	2.4	359.4
VL CHI	296.2	1.8	348.0
GVI CHI	296.1	1.8	9.0
LADDER	2.80	0.6	-0.2
FCC ERR	2.7	0.5	-0.3
ANG VEL	-0.33	-0.24	0.09
	-0.21	-0.29	0.04
GO/NO-GO	60	M	M

GRR	02:54:21	19411
TB	00:01:02	00012
TBU	00:01:01	00011
TBI	02:53:21	
TTG	00:00	
TCO	02:54:00	
TTGO	00:00	
TOI	02:54:00	

S-IVB	P-ACT	Y-ACT	PRES
AO	0.1	-0.0	13530
BO	-0.0	-0.0	66

LVL
90LAD A
GUID FAIL
TLC

A B

S-11

ENG 1

D

D

ENG 2

D

D

ENG 3

D

D

ENG 4

D

D

ACCEL	Y	CAS ANG
ACCEL	Z	ON ANG
ACCEL	X	VERT
CNTR		
MEM		

GAS BRG PRES	15.3
IN GASL TEMP	103.00
LVDC TEMP	47.3
GD11 VOLT	20.0
GD31 VOLT	29.0

S/C CONT

HAM13H

S-1C

ENG 1

D

D

ENG 2

D

D

ENG 3

D

D

ENG 4

D

D

OPR 2

5

A2-MO

1

1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1404 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	297.6	1.0	359.6
ML CHI	295.6	1.8	360.0
GUI CHI	295.5	1.8	0.0
LADDER	2.1	-0.5	-0.1
FCC ERR	2.0	-0.8	-0.3
ANG VEL	-0.25	0.01	0.17
	-0.21	0.04	0.12
GO/NO-GO	60	M	M

GRR	02:54:29	10410
TB	00:01:09	00010
TBU	00:01:09	00010
TBI	02:53:21	
TTG	00:04	
TCO	02:54:16	
TTGO	00:00	
TOI	02:54:12	

S-IVB	P-ACT	Y-ACT	PRES
AO	0.1	0.0	13534
BO	0.0	-0.0	67

LVL
90

LAD A
GUID FAIL
TLC
A B

S-III			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	
S-IC			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

ACCEL Y	CRS	RNG
ACCEL Z	DN	RNG
ACCEL X	VERT	
CNTR		
MEM		

GAS BRG PRES	15.3
IN GMBL TEMP	103.50
LVDC TEMP	67.3
6D11 VOLT	28.0
6D31 VOLT	29.0

S/C CONT
HAW13H

DAY 1

HD1

4

MIN 1

6

SEC 1

2

0PR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1404 1404

Y AXIS

Z AXIS

X AXIS

GRR

02:54:37 1404

GIM ANG

294.1

0.6

359.6

TB

00:01:22 00001

ML CHI

294.5

1.8

360.0

TBU

00:01:22 00001

GUI CHI

294.4

1.8

0.0

TBI

02:53:21

LADDER

-0.1

-0.9

0.0

TTG

00:04

FCC ERR

-0.2

-1.1

-0.3

TCO

02:54:24

ANG VEL

-0.08

0.09

0.09

TTGO

00:00

-0.04

-0.05

0.04

TOI

02:54:20

GO/NO-GO

N

GO

N

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.0

-0.0

13534

90

TLC

BO

0.0

-0.0

67

A B

S-III

ACCEL Y

CRS RRG

ENG 1

D

D

ACCEL Z

DN RRG

ENG 2

D

D

ACCEL X

VERT

ENG 3

D

D

CNTR

MEM

ENG 4

D

D

GAS BRG PRES

15.2

IN GMBL TEMP

103.50

LVDC TEMP

66.4

6D11 VOLT

28.0

6D31 VOLT

29.0

S-IC

ENG 1

D

D

S/C CONT

ENG 2

D

D

HAW13H

ENG 3

D

D

ENG 4

D

D

DAY 1

1

UD1

Q

MIN 1

G

CPS

0

After
TLI

OPR 2

5

A2-MO

1

1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1144 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	207.0	0.6	359.6
ML CHI	206.4	1.8	360.0
GUI CHI	206.4	1.8	0.0
LADDER	1.6	-0.9	0.0
FCC ERR	1.4	-1.1	-0.2
ANG VEL	-0.00	0.09	0.09
	-0.04	0.04	0.04
GO/NO-GO	60	60	M

GRR	02:54:13	14577
TB	00:02:57	00177
TBU	00:02:57	00177
TBI	02:53:21	
TTG	00:04	
TCO	02:54:00	
TTGO	00:00	
TOI	02:55:56	

S-IVB	P-ACT	Y-ACT	PRES	LVL
AO	0.0	0.0	13530	90
BO	-0.0	0.0	67	

LAD A
GUID FAIL
TLC
A B

S-II			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	
S-IC			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

ACCEL	Y	CRS	ANG
ACCEL	Z	DN	ANG
ACCEL	X	VERT	
CNTR			
MEM			

GAS BRG PRES	15.3
IN GMBL TEMP	103.70
LVDC TEMP	44.4
6D11 VOLT	28.0
6D31 VOLT	28.9

S/C CONT

HAW13H

OPR 2

5

A3-M0

1 1

YR

6

M14115 SITE SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS	GRR	91:00:22 11:00
GIM ANG	248.6	356.9	353.9	TB	00:15:12 00:11
ML CHI	251.1	351.8	350.7	TBU	00:15:12 00:11
GUI CHI	2.2	331.8	189.9	TBT	02:53:21
LADDER	-4.30	3.90	4.00	TTG	00:00
FCC ERR	-4.4	3.7	3.8	TCO	03:00:12
ANG VEL	0.66	-0.48	-0.66	TTGO	00:00
	0.78	-0.54	-0.70	TOI	03:00:12
GO/NO-GO	GO	GO	GO		

S-IVB	P-ACT	Y-ACT	PRES	LVL
AO	1.0	-1.7	13530	89
BO	1.0	-1.7	67	

LAD A
GUID FAIL
TLC
A B

ACCEL Y	CRS ANG
ACCEL Z	DN ANG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.3
IN GMBL TEMP	102.60
LVDC TEMP	66.4
6D11 VOLT	20.0
6D31 VOLT	29.0

S/C CONT
6YN13H

S-IC	ENG	1	2	3	4
ENG 1	0	0	0	0	0
ENG 2	0	0	0	0	0
ENG 3	0	0	0	0	0
ENG 4	0	0	0	0	0

OPR 2

5

A3-MO

1 1

YR

6

ML4116

SITE

SLV BSE NO 3

193 1 1

	Y AXIS	Z AXIS	X AXIS	GRR	
SLAT ANG	254.8	344.2	342.6	TB	41:48:45 11774
ML CHI	244.7	349.7	339.7	TBU	49:15:24 44774
GUI CHI	2.2	331.8	180.9	TBI	42:53:21
LADDER	-4.2	3.2	4.8	TTG	00:00
FCC ERR	-4.5	3.0	4.6	TCO	43:00:20
ANG VEL	0.74	-0.40	-0.82	TTGO	00:00
	0.78	-0.46	-0.87	TOI	43:00:20
GO NO-GO	GO	GO	GO		

S-11B	P-ACT	Y-ACT	PRES	LVL
AO	1.1	-1.7	1339	89
BO	1.0	-1.8	69	

LAD A
GUID FAIL
TLC

S-11

ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

ACCEL Y CRS ANG
ACCEL Z ON ANG
ACCEL X VERT
CNTR
MEM

S-1C

ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

GAS BRG PRES 15.3
IN GMEL TEMP 102.00
LVDC TEMP 66.0
6011 VOLT 28.9
6031 VOLT 29.0

S/C CONT

6YM13H

OPR 2

5

A3-MO

1 1

YR

6

STATE	Y AXIS	Z AXIS	X AXIS	GPR	41:49:17
GIM ANG	313.8	331.9	345.4	TB	44:14:32
ML CHI	318.6	331.8	287.4	TBU	44:14:32
GUT CHI	2.2	331.8	180.9	TBI	42:53:21
LADDER	-4.9	-1.9	4.84	TTG	44:44
FCC ERR	-1.1	-2.2	4.6	TCO	43:49:32
ANG VEL	0.41	0.67	-0.82	TTGO	44:44
	0.45	0.61	-0.87	TOI	43:49:32
GO/NO-GO	60	M	60		

S-1VB	P-ACT	Y-ACT	PRES
AO	1.1	-1.9	13534
BO	1.0	-1.8	69

S-1I	ENG 1	ENG 2	ENG 3	ENG 4
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0

S-1C	ENG 1	ENG 2	ENG 3	ENG 4
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0

LAD A	GUID FAIL	TLC	A B
ACCEL Y	CBS ANG		
ACCEL Z	DN ANG		
ACCEL X	VERT		
CNTR			
MEM			

GAS BRG PRES	15.3
IN GMBL TEMP	103.04
LVDC TEMP	46.8
6D11 VOLT	28.9
6D31 VOLT	29.0

S/C CONT
6YH13H

OPR 2

5

A2-MO

1

1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1444 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	3.1	332.8	262.1
ML CHI	2.2	331.8	231.4
GUI CHI	2.2	331.8	180.0
LADDER	-0.9	0.6	4.8
FCC ERR	-1.2	0.5	4.6
ANG VEL	0.16	0.18	-0.82
	0.12	0.12	-0.87
GO/NO-GO	M	NOGO	GO

GRR	03:11:01	11461
TB	00:17:43	01063
TBU	00:17:43	01063
TBI	02:53:21	
TTG	00:00	
TCO	03:10:44	
TTGO	00:00	
TOI	03:10:44	

S-IVB	P-ACT	Y-ACT	PRES	LVL
AO	1.1	-1.9	1353	89
BO	1.0	-1.9	69	

LAD A
GUID FAIL
TLC
A B

S-II		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D
S-IC		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

ACCEL	Y	CRS	RNG
ACCEL	Z	DN	RNG
ACCEL	X	VERT	
CNTR			
MEM			

GAS BRG PRES	15.3
IN GMBL TEMP	103.0
LVDC TEMP	66.4
6D11 VOLT	28.9
6D31 VOLT	29.0

S/C CONT
GYM13H

OPR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1404 1404

	Y AXIS	Z AXIS	X AXIS	GRR	03:12:37	11557
GIM ANG	1.2	332.1	179.0	TB	00:19:16	01156
ML CHI	2.2	331.8	180.0	TBU	00:19:16	01156
GUI CHI	2.2	331.8	180.0	TBI	02:53:21	
LADDER	1.1	0.0	-0.2	TTG	00:00	
FCC ERR	1.0	-0.2	-0.6	TCO	03:12:20	
ANG VEL	-0.00	0.09	0.01	TTGO	00:00	
	0.12	0.04	-0.05	TOI	03:12:20	
GO/NO-GO	60	M	60			

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

TLC

A B

AO

1.1

-2.0

13534

90

BO

1.0

-2.0

69

S-11

ACCEL Y

CRS RNG

ENG 1

D

D

ACCEL Z

DN RNG

ENG 2

D

D

ACCEL X

VERT

ENG 3

D

D

CNTR

MEM

ENG 4

D

D

GAS BRG PRES

15.3

IN GMBL TEMP

102.04

LVDC TEMP

47.3

6D11 VOLT

20.9

6D31 VOLT

29.0

S-1C

ENG 1

D

D

S/C CONT

ENG 2

D

D

ENG 3

D

D

GYM13H

ENG 4

D

D

REV 1

HP1

9

MIN 2

A

SEALED

6

SLV ASE NO 3

GRR	41:18:57	01911
TB	44:25:14	41912
TBU	44:25:34	41914
TBI	42:53:21	
TTG	44:44	
TCO	43:18:34	
TTGO	44:44	
TOI	43:18:34	

LAD A
GUID FAIL
TLC
A B

ACCEL	Y	CBS	ANG
ACCEL	Z	DN	ANG
ACCEL	X	VERT	
CNTR			
MEM			

GAS BRG PRES	15.0
IN GMEL TEMP	103.00
LVDC TEMP	66.4
6D11 VOLT	28.9
6D31 VOLT	29.0

S/C CONT
6YM13M

Just Before Docking

OPR 2 5 43-MO 1 1 YR 6

	SITE	SLV	BSE	NO	3		
	Y AXIS	Z AXIS	X AXIS	GPR	01:24:21	01:24:21	
GIM ANG	1.2	332.4	178.9	TB	04:32:59	04:32:59	
GUI CHI	2.2	331.9	180.9	TBI	02:53:21	02:53:21	
LADDER	1.3	-0.2	-0.4	TTG	00:00	00:00	
FCC ERR	0.9	-0.5	-0.6	TCO	03:26:04	03:26:04	
ANG VEL	0.08	0.09	0.09	TTGO	00:00	00:00	
	0.12	0.04	0.04	TOI	03:26:04	03:26:04	
GO/NO-GO	N	N	GO				

S-IVB	P-ACT	Y-ACT	PRES	LVL	LAD A	GUID FAIL
AO	1.0	-1.7	13534	88	TLC	
BO	0.0	-1.7	71		A B	
S-11					ACCEL Y	CAS ANG
ENG 1	0	0			ACCEL Z	ON ANG
ENG 2	0	0			ACCEL X	VERT
ENG 3	0	0			CNTR	
ENG 4	0	0			MEM	
S-1C					GAS ENG PRES	15.0
ENG 1	0	0			IN GMBL TEMP	103.00
ENG 2	0	0			LVOC TEMP	67.3
ENG 3	0	0			GD11 VOLT	28.9
ENG 4	0	0			GD31 VOLT	29.1
					S/C CONT	
					NILISH	

During Docking

OPR 2

5

A3-MO

1 1

YR

6

	Y AXIS	Z AXIS	X AXIS	GPR	97:27:00
SIM ANG	1.4	332.9	179.7	TB	44:31:51
	2.2	331.8	184.0	TBU	44:31:51
GUT CHI	2.2	331.8	184.0	TBI	42:53:21
LADDER	0.9	4.1	4.3	TTG	44:00
FCC ERR	0.7	-0.2	4.0	TCO	43:24:52
ANG VEL	-0.17	0.09	0.01	TTGO	44:00
	-0.11	0.04	-0.05	TOI	43:24:52
GO/NO-GO	M	M	M		

S-IVB	P-ACT	Y-ACT	PRES
AO	1.2	-1.4	13534
BO	1.1	-1.3	73

S-11		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

S-1C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

LAD A
GUID FAIL
TLC
A B

ACCEL Y	CRS ANG
ACCEL Z	ON ANG
ACCEL X	VERT
CNTR	
MEM	

GAS ENG PRES	15.0
IN GNL TEMP	107.00
LVDC TEMP	66.0
GD11 VOLT	28.9
GD31 VOLT	29.0

S/C CONT
MILISH

During Docking

0PR 2

5

43-MO

1 1

YR

6

SITE

SLV BSE NO 3

Y AXIS

Z AXIS

X AXIS

GRR

97:27:47 1:21:1

GMF ANG

1.3

332.1

179.6

TB

94:33:53 42:53

ML CHI

-2.2

331.3

180.0

TBU

94:33:53 42:53

GUI CHI

2.2

331.8

180.0

TBI

92:53:21

LADDER

0.6

0.0

0.0

TTG

00:00

FCC ERR

0.5

-0.2

-0.2

TCO

03:24:52

ANG VEL

-0.17

0.09

-0.08

TTGO

00:00

-0.04

-0.05

-0.05

TOI

03:24:52

GO/NO-GO

N

N

N

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

1.1

-1.4

13534

88

TLC

BO

1.0

-1.3

73

A B

S-II

ENG 1

D

D

ACCEL Y

CBS ANG

ACCEL Z

ON ANG

ACCEL X

VERT

ENG 2

D

D

CNTR

MEM

ENG 3

D

D

ENG 4

D

D

GAS ENG PRES

15.0

IN GMBL TEMP

102.00

LVDC TEMP

66.0

GD11 VOLT

20.9

GD31 VOLT

29.0

S-IC

ENG 1

D

D

ENG 2

D

D

ENG 3

D

D

ENG 4

D

D

S/C CONT

MIL13N

OPR 2

5

A3-MO

1 1

YR

6

MINUTE DATE SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	1.3	332.3	179.9
ML CHI	2.2	331.8	189.9
GUL CHI	2.2	331.3	189.9
LADDER	1.1	-4.2	-4.2
FCC ERR	1.9	-4.4	-4.5
ANG VEL	-0.00	9.99	9.99
	0.04	9.04	9.04
GO NO-GO	N	N	N

GPR	94:13:47	14:17
TB	41:17:48	94:53
TBU	41:17:48	94:53
TBI	42:53:21	
TTG	44:44	
TCO	44:12:52	
TTGO	44:44	
TOI	44:12:52	

S-1VB	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13534
BO	0.7	-1.3	73

LVL
85

LAD A
GUID FAIL
TLC
A B

S-11			
ENG 1	0	0	
ENG 2	0	0	
ENG 3	0	0	
ENG 4	0	0	

ACCEL Y	CRS ANG
ACCEL Z	DN ANG
ACCEL X	VERT
CNTR	
MEM	

S-1C			
ENG 1	0	0	
ENG 2	0	0	
ENG 3	0	0	
ENG 4	0	0	

GAS BRG PRES	15.1
IN GREL TEMP	102.00
LVDC TEMP	40.1
GD11 VOLT	29.0
GD31 VOLT	29.2

S/C CONT
60313H

*Exposure
man
Initiated*

APR 2

5

A3-MO

1 1

YR

6

SITE SLV BSE NO 3

Y AXIS Z AXIS X AXIS

CLIM ANG	1.6	7.9	177.8
ML CHI	2.2	8.2	184.9
GUI CHI	2.2	28.2	184.9
LADDER	9.9	+1.5	9.1
FCC ERR	9.5	1.3	-4.2
ANG VEL	9.98	-4.24	9.99
	9.12	-4.29	9.94
GO/NO-GO	M	GO	M

GRR	94:24:45
TB	91:24:45
TBU	91:24:45
TBI	92:53:21
TTG	99:44
TCO	94:19:48
TTGO	99:44
TOI	94:19:48

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

TLC

A B

AO

0.6

-1.1

13394

85

BO

0.7

-1.3

73

S-11

ENG 1

0

0

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

S-1C

ENG 1

0

0

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

ACCEL Y

CBS ANG

ACCEL Z

ON ANG

ACCEL X

VERT

CNTR

MEM

GAS ENG PRES 15.1

IN GMSL TEMP 102.20

LVOC TEMP 40.1

6D11 VOLT 29.0

6D31 VOLT 29.2

S/C CONT

6D213H

OPR 2

5

A3-MO

1 1

YR

6

M. 411E

S. TE

SLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	1.3	24.2	184.1
ML CHI	2.2	21.7	184.9
GUL CHI	2.2	28.2	184.9
LADDER	1.1	1.3	4.1
FCC ERR	0.9	1.6	-4.1
ANG VEL	0.08	-0.24	0.09
	0.04	-0.29	0.12
GO NO-GO	N	GO	N

QPR	04:20:27
TB	01:27:17
TBU	01:27:17
TBI	02:53:21
TTG	00:00
TCO	04:20:20
TTGO	00:00
TOI	04:20:20

S-11B

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

TLC

A B

AO

0.6

-1.1

1353

85

BO

0.0

-1.3

73

S-11

ENG 1

0

0

ACCEL Y

Y

CRS ANG

ENG 2

0

0

ACCEL Z

Z

DN ANG

ENG 3

0

0

ACCEL X

X

VERT

ENG 4

0

0

CNTR

MEM

S-1C

GAS BRG PRES

15.1

IN GASL TEMP

102.00

LVDC TEMP

40.1

6D11 VOLT

29.0

6D31 VOLT

29.2

ENG 1

0

0

S/C CONT

6D213H

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

OPR 2

5

43-MO

1 1

YR

6

M J I E SITE FLV BSE NO 3

	Y AXIS	Z AXIS	X AXIS
GIM ANG	1.2	27.3	189.2
ML CHI	2.2 0	28.2 0	189.9
GUT CHI	2.2	28.2	189.9
LADDER	1.3	-4.8	4.4
FCC ERR	1.4	-4.7	-4.2
ANG VEL	-0.00	0.09	0.09
	0.12	0.12	0.04
GO NO-GO	60	60	M

GPR	94:21:17
TB	91:28:49
TBU	91:28:49
TBT	92:53:21
TTG	99:49
TCO	94:21:49
TTGO	99:00
TOI	94:21:00

S-11B	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13534
BO	0.7	-1.3	71

LVL
85LAD A
GUID FAIL
TLC
A B

S-11			
ENG 1	0	0	
ENG 2	0	0	
ENG 3	0	0	
ENG 4	0	0	

ACCEL Y	CRS ANG
ACCEL Z	DN ANG
ACCEL X	VERT
CNTR	
MEM	

S-1C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

GAS BRG PRES	15.1
IN GNL TEMP	101.00
LVDC TEMP	40.1
6011 VOLT	29.0
6031 VOLT	29.7

S/C CONT
60313H

OPR 2

5

A3-MO

1 1

YR

6

MA 411E

SITE

SLV BSE NO 3

Y AXIS

Z AXIS

X AXIS

GRR

90:24:45

RIM ANG

1.2

28.5

189.5

TB

91:13:27

ML CHI

2.2

28.2

189.9

TBU

91:13:27

GUI CHI

2.2

28.2

189.9

TBI

92:53:21

LADDER

1.3

9.9

9.4

TTG

99:99

FCC ERR

1.9

-9.2

9.2

TCO

94:24:28

ANG VEL

-9.99

9.99

9.17

TTGO

99:99

9.94

9.94

9.12

TOI

94:24:28

GO/NO-GO

M

M

M

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.6

-1.1

13394

84

TLC

BO

0.7

-1.3

71

A B

S-11

ACCEL Y

CRS ANG

ENG 1

0

0

ACCEL Z

ON ANG

ENG 2

0

0

ACCEL X

VERT

ENG 3

0

0

CNTR

MEM

ENG 4

0

0

GAS BRG PRES 15.1

IN GNL TEMP 101.40

LVDC TEMP 67.3

6D11 VOLT 29.0

6D31 VOLT 29.2

S-1C

S/C CONT

6D313H

ENG 1

0

0

ENG 2

0

0

ENG 3

0

0

ENG 4

0

0

OPR 2

5

A3-MO

1 1

YR

6

MIA 118

SITE

SLV BSE NO 3

Y AXIS

Z AXIS

X AXIS

GRR

94: 27: 41

GIM ANG

1.2

28.6

184.8

TB

94: 44: 43

ML CHI

2.2 0

28.2

184.9

TBU

94: 44: 43

GUI CHI

2.2

28.2

184.9

TBI

94: 26: 57

LADDER

1.3

-4.1

4.5

TTG

44: 44

FCC ERR

1.4

-4.3

4.3

TCO

94: 26: 44

ANG VEL

-0.00

0.09

0.09

TTGO

44: 44

0.04

0.04

0.04

TOI

94: 26: 44

GO/NO-GO

60

M

M

S-11B

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.6

-1.1

13394

85

TLC

BO

0.7

-1.3

71

A B

S-11

ENG 1

0

0

ACCEL Y

Y

CRS ANG

ENG 2

0

0

ACCEL Z

Z

DN ANG

ENG 3

0

0

ACCEL X

X

VERT

ENG 4

0

0

CNTR

MEM

S-1C

ENG 1

0

0

GAS BRG PRES

15.1

ENG 2

0

0

IN GMBL TEMP

101.40

ENG 3

0

0

LVDC TEMP

47.3

ENG 4

0

0

GD11 VOLT

29.0

GD31 VOLT

29.2

S/C CONT

60313M

OPR 2

5

A3-M0

1 1

YR

6

3. Slingshot
Attitude
Initiated

	Y AXIS	Z AXIS	X AXIS	GRR	44: 34: 49
QIM ANG	1.7	27.4	179.7	TB	44: 44: 44
ML CHI	5.7	24.7	184.9	TBL	44: 44: 44
GUL CHI	18.2	4.7	184.4	TBI	44: 24: 57
LADDER	2.3	-2.1	-4.9	TTG	44: 44
FCC ERR	2.9	-2.4	-1.2	TCO	44: 34: 28
ANG VEL	-4.17	4.34	4.17	TTGO	44: 44
	-4.17	4.28	4.28	TOI	44: 34: 28
GO/NO-GO	GO	GO	H		

S-11B	P-ACT	Y-ACT	PRES	LVL
AO	0.6	-1.1	13534	83
BO	0.5	-1.1	71	

S-11			
ENG 1	0	0	
ENG 2	0	0	
ENG 3	0	0	
ENG 4	0	0	

S-1C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

LAD A
GUID FAIL
TLC

A B

ACCEL Y	CRS ANG
ACCEL Z	ON ANG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.1
IN GMBL TEMP	101.34
LVDC TEMP	47.3
GD11 VOLT	29.0
GD31 VOLT	29.2

S/C CONT
60313H

OPR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1144.1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	8.7	23.3	179.9
ML CHI	11.7	18.7	180.0
GUI CHI	18.2	9.7	180.0
LADDER	2.80	-2.3	-4.9
FCC ERR	2.7	-2.3	-1.1
ANG VEL	-4.25	9.34	9.25
	-4.21	9.37	9.20
GO/NO-GO	60	60	M

GRR	94:37:01	13421
TB	99:10:00	44100
TBU	99:10:00	44100
TBI	94:26:57	
TTG	99:99	
TCO	94:36:44	
TTGO	99:99	
TOI	94:36:44	

S-1VB	P-ACT	Y-ACT	PRES	LVL
AO	0.6	-1.1	13530	83
BO	0.5	-1.0	71	

LAD A
GUID FAIL
TLC

A B

S-11			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	
S-1C			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

ACCEL	Y	CRS	RNG
ACCEL	Z	DN	RNG
ACCEL	X	VERT	
CNTR			
MEM			

GAS BRG PRES	15.1
IN GMBL TEMP	191.50
LVDC TEMP	44.4
6D11 VOLT	29.0
6D31 VOLT	29.2

S/C CONT

60313H

OPR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1191 1404

Y AXIS

Z AXIS

X AXIS

GRR

44:37:49 1432.0

GIM ANG

13.7

19.9

189.9

TB

44:19:18 4441.8

ML CHI

17.3

13.1

189.9

TBU

44:19:18 4441.8

GUI CHI

18.1

9.7

189.9

TBI

44:26:57

LADDER

2.8

-2.3

-9.8

TTG

44:44

FCC ERR

2.7

-2.4

-9.8

TCO

44:36:52

ANG VEL

-9.33

9.42

9.17

TTGO

44:44

-9.29

9.37

9.29

TOI

44:36:52

GO/NO-GO

60

60

M

S-1VB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.6

-1.1

13534

84

TLC

BO

0.5

-1.0

71

A B

S-1I

ACCEL Y

CRS RNG

ENG 1

0

0

ACCEL Z

DN RNG

ENG 2

0

0

ACCEL X

VERT

ENG 3

0

0

CNTR

ENG 4

0

0

MEM

S-1C

GAS BRG PRES

15.4

ENG 1

0

0

IN GMBL TEMP

101.5

ENG 2

0

0

LVDC TEMP

47.3

ENG 3

0

0

6D11 VOLT

79.1

ENG 4

0

0

6D31 VOLT

79.2

S/C CONT

2031.11

DAY 1

1

H2 2

MIN 5

0

SEC 0

OPR 2

5

A2-MO

1 1

YR

6 9

UMI4335 SITE SLV BSE NO 3

1140 1404

	Y AXIS	Z AXIS	X AXIS	GRR	94:37:41	114041
GIM ANG	19.0	9.2	179.4	TB	94:19:02	94042
ML CHI	18.0	1.2	180.0	TBU	94:19:02	94042
GUI CHI	18.0	0.7	180.0	TBI	94:26:57	
LADDER	-0.6	-2.3	-0.2	TTG	94:00	
FCC ERR	-0.8	-2.4	-0.5	TCO	94:37:24	
ANG VEL	0.08	0.42	0.09	TTGO	94:00	
	0.04	0.37	0.04	TOI	94:37:24	
GO/NO-GO		GO	M			

S-11B	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13530
BO	0.5	-1.0	71

LVL
83

LAD A
GUID FAIL
TLC
A B

S-11	ENG 1	ENG 2	ENG 3	ENG 4
	D	D	D	D
	D	D	D	D
	D	D	D	D
S-1C				
ENG 1	D	D	D	D
ENG 2	D	D	D	D
ENG 3	D	D	D	D
ENG 4	D	D	D	D

ACCEL Y	CRS RNG
ACCEL Z	DN RNG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.0
IN GMBL TEMP	101.40
LVDC TEMP	47.3
6D11 VOLT	29.1
6D31 VOLT	29.2

S/C CONT
GDS13H

OPR 2

5

A2-MO

1 1

YR

6

9

MI433E

SITE

SLV BSE NO 3

114011404

	Y AXIS	Z AXIS	X AXIS	GRR	
GIM ANG	17.8	15.2	179.6	TB	04:37:25 13305
ML CHI	18.1	8.4	180.0	TBU	04:19:30 00010
GUI CHI	18.1	9.7	180.0	TBI	04:19:30 00010
LADDER	0.5	-2.3	0.0	TTG	04:24:57
FCC ERR	0.4	-2.4	-0.3	TCO	04:37:00
ANG VEL	-0.25	0.42	0.09	TTGO	04:37:00
	-0.21	0.37	0.12	TOI	04:37:00
GO NO-GO	M	GO	M		

S-IVB	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13530
BO	0.5	-1.0	71

LVL
84LAD A
GUID FAIL
TLC

A B

S-II		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0
S-IC		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

ACCEL	Y	CRS	RNG
ACCEL	Z	DN	RNG
ACCEL	X	VERT	
CNTR			
MEM			

GAS BRG PRES	15.1
IN GMBL TEMP	101.50
LVDC TEMP	47.3
6D11 VOLT	29.0
6D31 VOLT	29.2

S/C CONT
60513H

DAY 1

A

WD 2

MIN 5

9

SEC 1

A

OPR 2

5

A2-MO

1 1

YR

6

9

LM1433E

SITE

SLV BSE NO 3

1444 1404

	Y AXIS	Z AXIS	X AXIS
GIM ANG	19.0	5.8	179.3
VL CHI	18.0	9.7	180.0
GUI CHI	18.0	9.7	180.0
LADDER	-0.6	-2.3	-0.4
FCC ERR	-0.8	-2.4	-0.6
ANG VEL	-0.00	0.42	0.17
	0.04	0.37	0.12
GO/NO-GO	M	GO	M

	GRR	44:37:49	1333.0
TB	44:10:58	40150	
TBU	44:10:58	40150	
TBI	44:26:57		
TTG	44:44		
TCO	44:37:32		
TTGO	44:44		
TOI	44:37:32		

S-11B	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13530
BO	0.5	-1.0	71

LVL
83LAD A
GUID FAIL
TLC

A B

S-11	ENG 1	ENG 2	ENG 3	ENG 4
	D	D	D	D
	D	D	D	D
	D	D	D	D
	D	D	D	D
S-1C				
ENG 1	D	D	D	D
ENG 2	D	D	D	D
ENG 3	D	D	D	D
ENG 4	D	D	D	D

ACCEL Y	CRS RNG
ACCEL Z	DN RNG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	15.1
1N GMBL TEMP	101.00
LVDC TEMP	47.3
6D11 VOLT	29.1
6D31 VOLT	29.2

S/C CONT
GDS13H

DAY 1

A

MO 2

0

MIN 5

0

SEC 4

Slingshot
Attitude
Achieved

OPR 2

5

A2-MO

1 1

YR

6

9

IM1433E	SITE	SLV	BSE	NO	3	1404	1404
	Y AXIS	Z AXIS	X AXIS	GRR	44:38:13	1404	1404
GIM ANG	18.9	4.5	179.6	TB	44:11:17	44:11:17	44:11:17
ML CHI	17.9	4.7	180.0	TBU	44:11:17	44:11:17	44:11:17
GUT CHI	17.9	4.7	180.0	TBI	44:26:57		
LADDER	-4.6	4.5	4.0	TTG	44:44		
FCC ERR	-1.0	4.3	-4.3	TCO	44:37:56		
ANG VEL	4.98	4.99	4.99	TTGO	44:44		
	4.94	4.94	4.94	TOI	44:37:56		
GO/NO-GO	M	M	M				

S-1VB	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13534
BO	0.5	-1.0	71

S-1I			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

S-1C			
ENG 1	D	D	
ENG 2	D	D	
ENG 3	D	D	
ENG 4	D	D	

LAD A	GUID FAIL	TLC	A	B
ACCEL Y				
ACCEL Z				
ACCEL X				
CNTR				
MEM				

GAS BRG PRES	15.1
IN GMBL TEMP	101.40
LVDC TEMP	47.3
6D11 VOLT	29.0
6D31 VOLT	29.2

S/C CONT
6D313H

DAY 1

1

MO 2

1

MIN 0

0

SEC 0

1

OPR 2

5

A2-MO

1 1

YR

6

9

MI433E

SITE

SLV BSE NO 3

MI44 1404

	Y AXIS	Z AXIS	X AXIS	GRR	44:38:21	13:01
GIM ANG	18.9	4.3	179.6	TB	44:11:24	44:04
ML CHI	17.9	4.7	180.0	TBU	44:11:24	44:04
GUI CHI	17.9	4.7	180.0	TBI	44:24:57	
LADDER	-4.6	4.8	-4.1	TTG	44:00	
FCC ERR	-4.8	4.5	-4.3	TCO	44:38:44	
ANG VEL	4.98	4.99	4.17	TTGO	44:00	
	4.94	4.94	4.12	TOI	44:38:44	
GO/NO-GO	M	M	M			

S-IVB

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.6

-1.1

13534

83

TLC

BO

0.5

-1.0

71

A B

S-II

ACCEL Y

CRS RNG

ENG 1

D

D

ACCEL Z

DN RNG

ENG 2

D

D

ACCEL X

VERT

ENG 3

D

D

CNTR

ENG 4

D

D

MEM

S-IC

GAS BRG PRES

15.4

ENG 1

D

D

IN GMBL TEMP

101.10

ENG 2

D

D

LVDC TEMP

48.1

ENG 3

D

D

6D11 VOLT

29.0

ENG 4

D

D

6D31 VOLT

29.2

S/C CONT

GDS13H

REV 1

A

MD 2

1

MIN 0

0

SEC 0

7

During
Slingshot
APS Burn

OPR 2

5

A3-MO

1

1

YR

6

	Y AXIS	Z AXIS	X AXIS	GPR
SLV BSE NO 3				
SLM ANG	11.7	2.2	177.7	IB 44:59:24.410.4
MATCH	19.7	1.1	189.4	TBU 44:59:24.410.4
GUI CHI	19.7	1.1	189.4	TBI 44:26:57
LADDER	-9.6	-9.8	9.9	TTG 44:44
FCC ERR	-1.9	-9.9	-9.2	TCO 45:26:44
ANG VEL	9.98	9.99	9.17	TTGO 44:44
	9.94	9.94	9.12	TOI 45:26:44
GO NO-GO	GO	GO		

S-11B	P-ACT	Y-ACT	PRES
AO	9.6	-1.1	13530

LVL
82

LAD A
GUID FAIL
TLC

BO	P-ACT	Y-ACT
	-9.7	9.6

S-11

ACCEL Y CRS ANG
ACCEL Z ON ANG
ACCEL X VERT
CNTR
MEM

ENG 1	P-ACT	Y-ACT
	0	0

ENG 2	P-ACT	Y-ACT
	0	0

ENG 3	P-ACT	Y-ACT
	0	0

ENG 4	P-ACT	Y-ACT
	0	0

S-1C

ENG 1	P-ACT	Y-ACT
	0	0

ENG 2	P-ACT	Y-ACT
	0	0

ENG 3	P-ACT	Y-ACT
	0	0

ENG 4	P-ACT	Y-ACT
	0	0

GAS BRG PRES 14.5
IN GMBL TEMP 103.00
LVDC TEMP 69.0
6D11 VOLT 29.1
6D31 VOLT 29.1

S/C CONT
6D313H

OPR 2

5

A2-MO

1 1

YR

6

9

MI433E

SITE

SLV BSE NO 3

1144 1404

	Y AXIS	Z AXIS	X AXIS	GRR	44:37:57	11111
GIM ANG	19.0	3.0	179.6	TB	44:11:44	44111
WL CHI	18.0	4.7	189.9	TBU	44:11:44	44111
GUT CHI	18.0	4.7	189.9	TBI	44:24:57	
LADDER	-0.6	-1.8	9.9	TTG	44:44	
FCC ERR	-1.9	-1.9	-9.2	TCO	44:37:40	
ANG VEL	-0.00	9.42	9.17	TTGO	44:44	
	0.12	9.37	9.12	TOI	44:37:40	
GO/NO-GO	NOGO	GO	M			

S-11B

P-ACT

Y-ACT

PRES

LVL

LAD A

GUID FAIL

AO

0.6

-1.1

13534

83

TLC

BO

0.5

-1.0

71

A B

S-11

ACCEL Y

CRS RNG

ENG 1

D

D

ACCEL Z

DN RNG

ENG 2

D

D

ACCEL X

VERT

ENG 3

D

D

CNTR

MEM

ENG 4

D

D

GAS BRG PRES

15.1

IN GMBL TEMP

141.40

LVDC TEMP

47.3

6D11 VOLT

29.0

6D31 VOLT

29.2

S-1C

ENG 1

D

D

S/C CONT

ENG 2

D

D

GDS11H

ENG 3

D

D

ENG 4

D

D

DAY 1

MO 2

MIN 5

0

CFO 1

OPR 2

5

A2-MO

1

1

YR

6

9

M1433E

SITE

SLV BSE NO 3

1194 1104

	Y AXIS	Z AXIS	X AXIS
GIM ANG	17.1	4.9	179.3
ML CHI	16.1	4.8	189.9
GUT CHI	16.1	4.8	189.9
LADDER	-4.0	4.3	-4.1
FCC ERR	-4.0	4.1	-4.3
ANG VEL	4.98	4.99	4.17
	4.12	4.94	4.12
GO/NO-GO	GO	M	M

	GRR	TB	TBU	TBI	TTG	TCO	TTGO	TOI
	44:48:13	44:21:17	44:21:17	44:26:57	44:44	44:47:56	44:44	44:47:56

S-11B	P-ACT	Y-ACT	PRES	LVL
AO	0.6	-1.1	3578	40
BO	-0.1	4.0	164	

LAD A
GUID FAIL
TLC

A B

S-11		
ENG 1	D	D

ACCEL Y	CRS	RNG
ACCEL Z	DN	RNG
ACCEL X	VERT	
CNTR		
MEM		

ENG 2	D	D
-------	---	---

ENG 3	D	D
-------	---	---

ENG 4	D	D
-------	---	---

S-1C		
ENG 1	D	D
ENG 2	D	D
ENG 3	D	D
ENG 4	D	D

GAS BRG PRES	IN GMBL TEMP	LVDC TEMP	6D11 VOLT	6D31 VOLT
14.8	141.80	40.1	22.1	22.2

S/C CONT

GDS 1111

DAY 1

4

MO 2

1

MIN 1

0

0500

0

Just
Before
Comm Att.

OPR 2

5

A3-MO

1 1

YR

6

	Y AXIS	Z AXIS	X AXIS
ANG	14.8	1.5	177.2
ML CHI	14.4	1.2	184.4
GU CHI	14.4	1.2	184.4
LADDER	-4.5	4.3	-4.5
ECC ERR	-4.7	-4.2	-4.7
ANG VEL	9.98	9.99	9.99
	9.94	9.94	9.94
GO NO-GO	N	N	N

GRR	45:34:11
TB	41:47:29
TBU	41:47:29
TBI	44:26:57
TTG	44:44
TCO	45:34:44
TTGO	44:44
TOI	45:34:44

S-IVB	P-ACT	Y-ACT	PRES
AO	9.6	-1.1	13394
RO	-4.7	9.6	67

S-11		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0
S-1C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

LAD A	
GUID FAIL	
TLC	
A B	
ACCEL Y	CRS ANG
ACCEL Z	DN ANG
ACCEL X	VERT
CNTR	
MEM	
GAS BRG PRES	14.4
IN GMSL TEMP	101.10
LVDC TEMP	70.6
6011 VOLT	29.1
6031 VOLT	29.1
S/C CONT	
SD115H	

After
Man
Completed

OPR 2

5

A3-MO

1 1

YR

6

	Y AXIS	Z AXIS	X AXIS	GPR
TIME ANG	9.7	1.2	180.2	TB
ML CHI	358.7	9.7	184.9	TBU
GUI CHI	358.7	9.7	184.9	TBI
LADDER	-1.8	9.9	9.5	TTG
FCC ERR	-2.9	-4.2	9.3	TCO
ANG VEL	9.33	9.99	9.99	TTGO
	9.37	9.94	9.94	TOI
GO NO-GO	GO	M	M	

S-11B	P-ACT	Y-ACT	PRES
AO	9.6	-1.1	13530
BO	-9.7	9.5	67

S-11		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

S-11C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

LAD A
GUID FAIL
TLC
A B

ACCEL Y	CRS ANG
ACCEL Z	ON ANG
ACCEL X	VERT
CNTR	
MEM	

GAS BRG PRES	14.3
IN GMBL TEMP	103.10
LVDC TEMP	70.6
6D11 VOLT	29.1
6D31 VOLT	29.2

S/C CONT
6D115H

11-14-69
APOLLO 12
MISSION

OPR 2

5

43-MO

1

1

YR

6

	SITE	SLV	BSE	NO	3
	Y AXIS	Z AXIS	X AXIS	GRR	45: 37: 35
GIM ANG	4.6	1.2	189.2	TB	41: 19: 34
ML CHI	358.7	4.7	189.9	TBU	41: 19: 34
GUI CHI	358.7	4.7	189.9	TBI	44: 24: 57
LADDER	-1.4	4.4	4.5	TTG	44: 44
FCC ERR	-1.6	-4.9	4.2	TCO	45: 37: 40
ANG VEL	0.33	4.07	4.07	TTGO	44: 44
	0.37	4.04	4.04	TOI	45: 37: 40
GO NO-GO	GO	M	M		

S-11B	P-ACT	Y-ACT	PRES
AO	0.6	-1.1	13394
BO	-0.7	0.6	67

S-11		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

S-1C		
ENG 1	0	0
ENG 2	0	0
ENG 3	0	0
ENG 4	0	0

LAD A	GUID	FAIL
TLC		
A	B	
ACCEL Y		CAS ANG
ACCEL Z		DN ANG
ACCEL X		VERT
CNTR		
MEM		
GAS BRG PRES	10.3	
IN GMBL TEMP	103.30	
LVDC TEMP	70.6	
6011 VOLT	19.1	
6031 VOLT	19.2	
S/C CONT		
60813H		