

cc:

CB/J. W. Young

CB/P. J. Weitz

CB/J. P. Allen

CB/A. W. England

CB/O. K. Garriott

CB/K. G. Henize

CB/D. L. Lind

CB/F. S. Musgrave

CB/R. A. Parker

CB/N. E. Thagard

CB/W. E. Thornton

CC/J. S. Algranti

CC4/A. J. Roy

CC5/A. L. Manson

MEMORANDUM

Lyndon B. Johnson Space Center

REFER
TO: CBDATE
January 5, 1984INITIATOR
CB/HEReam:lmc:1/5/84:2421ENCL
1

TO: CC/Boyce Mayer

CC
see list below

FROM: CB/Harold E. Ream

SIGNATURE
Harold E. Ream

SUBJ: Schedules for Planning/Flight Record Management

Our current guidelines establish that pilot-rated civilian MS crewmembers assigned to STS flights requalify as first pilot or revert to co-pilot in our T-38s according to these rules unless individually assigned to a specific flight status.

- a. For Spacelab flights (SL), requalify 9 months prior to scheduled launch.
- b. For other flights, requalify 6 months prior to scheduled launch.
- c. In all cases, revert to co-pilot status 2 months after recovery date.

Following are the approximate dates that these events occur as applied to the enclosed flight overview.

- a. Owen Garriott and Bob Parker will revert to co-pilot status February 9, 1984.
- b. Ox van Hoften and Terry Hart, Flight 41-C (STS-13), with launch date April 4, 1984, will revert to co-pilot status mid-June 1984.
- c. Joe Allen, assigned on 41-H (STS-18), scheduled launch September 29, 1984, should requal L-6 months as first pilot March 29, 1984.
- d. Don Lind, Norm Thagard, and Bill Thornton are assigned on 51-B (STS-20) SL-3, for a scheduled launch November 22, 1984. Lind and Thagard should start the cycle L-9 months or February 22, 1984. Bill Thornton will continue in co-pilot status.
- e. Story Musgrave, Tony England, and Karl Henize are assigned to 51-F (STS-24) SL-2, for a scheduled launch March 29, 1985. Musgrave and England should start the cycle L-9 months or June 29, 1984, and Karl Henize will continue in co-pilot status. Note that this date is just prior to the start of new ASCAN training (July 1984).

By the start of ASCAN training we will have requalified five MS's as first pilot (Allen, Lind, Thagard, Musgrave and England) and reverted four MS's to co-pilot (Garriott, Parker, van Hoften, and Hart) for a net gain of one (1) first pilot MS.

Obviously these dates are not cast in concrete. As flights are accomplished/shuffled/slipped/canceled, the crews may change so it will then be a new deal.

REAM

Mission Overview #1

12/29/83

41B
2-4-84
OV99
280/165 nm
~9:00 CST L/O
~11 MIN WDW
WESTAR
PALAPA
SPAS
IRT/RNDZ
Two EVA's
KSC Ldg
8 + 1 days

41C
4-4-84
OV99
280/190X250
9:05 CST L/O
13 MIN WDW
DIRECT INSERTION
LDEF
SMM EVA's
KSC Ldg
6 + 2 days

41D
6-4-84
OV103
280/173 nm
7:08 CDT L/O
18 MIN WDW
TELESAT
SYNCOM
CFES
OAST
LFC
KSC Ldg
7 + 2 days

41E
7-14-84
OV99
DOD

41F
8-9-84
OV103
280/160 nm
7:11 CDT L/O
19 MIN WDW
SBS
SYNCOM
TELESTAR
SPARTAN
EDW Ldg
Autoland
7 + 2 days

41G
8-30-84
OV102
570/190 nm
5:53 CDT L/O
60 MIN WDW
ERBS
OSTA-3
LFC/ORS
SPARX
EDW Ldg
10 + 2 days

41H
9-29-84
OV99
DOD

51A
10-24-84
OV103
280/---
~6:00 CDT L/O
TELESAT
MSL-1
CFES
KSC Ldg
6 + 2 days

51B
11-22-84
OV99
570/190 nm
17:30 CST L/O
40 MIN WDW
Night TAL,
RTLS, AOA
Day Ldg
S/L-3
KSC Ldg
7 + 2 days

51C
12-20-84
OV103
280/153 nm
TDRS-B
KSC Ldg
4 + 2 days

51D
2-1(11)-85
OV99
280/250 nm
NIGHT LAUNCH
DIRECT INSERTION
SYNCOM
LDEF RETR
KSC Ldg
6 + 2 days

51E
3-6-85
OV103
280/153 nm
TDRS-C
KSC Ldg
4 + 2 days

51F
3-29-85
OV99
500/202 nm
S/L-2
KSC Ldg
7 + 2 days

Mission Overview #2

Date: 12/29/83

J. F. Whiteley/DH4/X4471

FLT	41B 2-4-84 OV99 8 + 1 days	41C 4-4-84 OV99 6 + 2 days	41D 6-4-84 OV103 7 + 2 days	41F 8-9-84 OV103 7 + 2 days	41G 8-30-84 OV102 10 + 2 days	51A 10-24-84 OV103 6 + 2 days	51D 2-1(11)85 OV99 6 + 2 days
FD							
1	WESTAR 7A	DIRECT INSERT PHASING RMS C/O	GAS ACT OAST ACT TELESAT 7A RECIRC	RMS C/O SBS 7A	OSTA-3 ACT RMS C/O ERBS DEPLOY ORB 7	OMS-3 to 160X240 TELESAT 7A ADSF CFES ACT	NIGHT LAUNCH DIRECT INSERTION PHASING
2	PALAPA 20A ACES IEF RMS C/O SPAS ATT EMU C/O	10.2 psi RNDZ BURNS EMU C/O LDEF DPLY	SYNCOM 18A RECIRC LFC CAL RMS C/O CFES	SYNCOM 18A IEF SBS B/U 23A	ERBS B/U ORB ADJ to 132 OSTA-3 ORS XFER 1	ADSF MSL (MEA-1 & 2) TELESAT B/U 18A CFES	SYNCOM 18A RECIRC ADSF #1
3	WESTAR/ PALAPA B/U 33A RECIRC IRT DPLY RNDZ DTO's	RNDZ, EVA-1 SMM RETRIEVAL REPLACE ACM REPAIR XRP SMM C/O	TELESAT/SYNCOM B/U 34A LFC OAST-1 CFES	TELSTAR 34A	OSTA-3 ORS XFER 2	MSL (MEA-2 & 3) ADSF CFES	ACES SYNCOM B/U 33A
4	RNDZ DTO'S EMU C/O SPAS ATT 10.2 psi	EVA MAINT OPT REBOOST	OAST-1 LFC CFES	TELSTAR/ SYNCOM B/U 99A RECIRC SPARTAN DPLY	OSTA-3 EMU C/O ORB ADJ to 122	MSL ADSF ORB ADJ	RNDZ LDEF RETRIEVAL ADSF #2
5	EVA #1 MMU MFR	FCS C/O EVA-2, REPLACE MEB, SMM UNBERTH	OAST-1 LFC CFES	SPARTAN PHASING	OSTA-3 EVA ORS	MSL DEACT ADSF CFES	FCS C/O ADSF #3
6	SPAS ATT	SMM RELEASE 14.7 psi	OAST-1 LFC ALT CHG CFES	SPARTAN RNDZ RETRIEVE	OSTA-3 ORS XFER 3 EMU MAINT	ADSF CFES FCS C/O	ADSF #4
7	EVA #2 MMU ORS 14.7 psi	ENTRY KSC 92	LFC HOT/COLD CFES FCS C/O	FCS C/O	OSTA-3 ORS XFER 4 ORS VENT	ENTRY KSC	ENTRY KSC 91
8	FCS C/O EMU MAINT	MSN EXT #1 KSC 107 (108)	ENTRY KSC 112	AUTOLAND EDW 113 S. R.	OSTA-3	MSN EXT #1 KSC	MSN EXT #1 KSC
9	ENTRY KSC 128	MSN EXT #2 KSC 122	MSN EXT #1 KSC	MSN EXT #1 EDW 129 S. R. - 15 MIN	SPARX	MSN EXT #2 KSC	MSN EXT #2 KSC
10	MSN EXT #1 KSC 144 PERIGEE ADJ			MSN EXT #2 EDW 144 (NIGHT)	SPARX FCS C/O STOW SIR-B		
11					ENTRY; DEACT OSTA-3 EDW 166		
12					MSN EXT #1/#2 EDW 182/198		

ASTRONAUT CREW ASSIGNMENTS

STS-1

John W. Young, CDR
Robert L. Crippen, PLT

STS-4

Thomas K. Mattingly, CDR
Henry W. Hartsfield, Jr., PLT

STS-7

Robert L. Crippen, CDR
Frederick H. Hauck, PLT
John M. Fabian, MS
Sally K. Ride, MS
Norman E. Thagard, MS

STS-2

Joe H. Engle, CDR
Richard H. Truly, PLT

STS-5

Vance D. Brand, CDR
Robert F. Overmyer, PLT
Joseph P. Allen, MS
William B. Lenoir, MS

STS-8

Richard H. Truly, CDR
Daniel C. Brandenstein, PLT
Guion S. Bluford, Jr., MS
Dale A. Gardner, MS
William E. Thornton, MS

STS-3

Jack R. Lousma, CDR
Charles G. Fullerton, PLT

STS-6

Paul J. Weitz, CDR
Karol J. Bobko, PLT
Donald H. Peterson, MS
F. Story Musgrave, MS

STS-9

John W. Young, CDR
Brewster H. Shaw, Jr., PLT
Owen K. Garriott, MS
Robert A. Parker, MS
Byron Lichtenberg, PS
Ulf Merbold, PS

Flight 41-B (STS-11)

Vance D. Brand, CDR
Robert L. Gibson, PLT
Robert L. Stewart, MS
Ronald E. McNair, MS
Bruce McCandless II, MS

Flight 41-C (STS-13)

Robert L. Crippen, CDR
Francis R. Scobee, PLT
George D. Nelson, MS
James D. van Hoften, MS
Terry J. Hart, MS

Flight 41-D (STS-14)

Henry W. Hartsfield, Jr., C
Michael L. Coats, PLT
Judith A. Resnik, MS
Steven A. Hawley, MS
Richard M. Mullane, MS
Charles D. Walker, PS

Flight 41-E (STS-15)

Thomas K. Mattingly, CDR
Loren J. Shriver, PLT
James F. Buchli, MS
Ellison S. Onizuka, MS

Flight 41-F (STS-16)

Karol J. Bobko, CDR
Donald E. Williams, PLT
M. Rhea Seddon, MS
S. David Griggs, MS
Jeffrey A. Hoffman, MS

Flight 41-G (STS-17)

Robert L. Crippen, CDR
Jon A. McBride, PLT
Kathryn D. Sullivan, MS
Sally K. Ride, MS
David C. Leestma, MS

Flight 41-H (STS-18)

Frederick H. Hauck, CDR
David M. Walker, PLT
Anna L. Fisher, MS
Dale A. Gardner, MS
Joseph P. Allen, MS

Flight 51-A (STS-19)

Daniel C. Brandenstein, CDR
John O. Creighton, PLT
Shannon W. Lucid, MS
John M. Fabian, MS
Steven R. Nagel, MS

Flight 51-B (STS-20)

Robert F. Overmyer, CDR
Frederick D. Gregory, PLT
Don L. Lind, MS
Norman E. Thagard, MS
William E. Thornton, MS

Flight 51-C (STS-21)

Joe H. Engle, CDR
Richard O. Covey, PLT
James F. Buchli, MS
John M. Lounge, MS
William F. Fisher, MS

Flight 51-F (STS-24)

Charles G. Fullerton, CDR
S. David Griggs, PLT
F. Story Musgrave, MS
Anthony W. England, MS
Karl G. Henize, MS

Stand-by Crew

Karol J. Bobko, CDR
Ronald J. Grabe, PLT
Richard M. Mullane, MS
Robert L. Stewart, MS
David C. Hilmers, MS