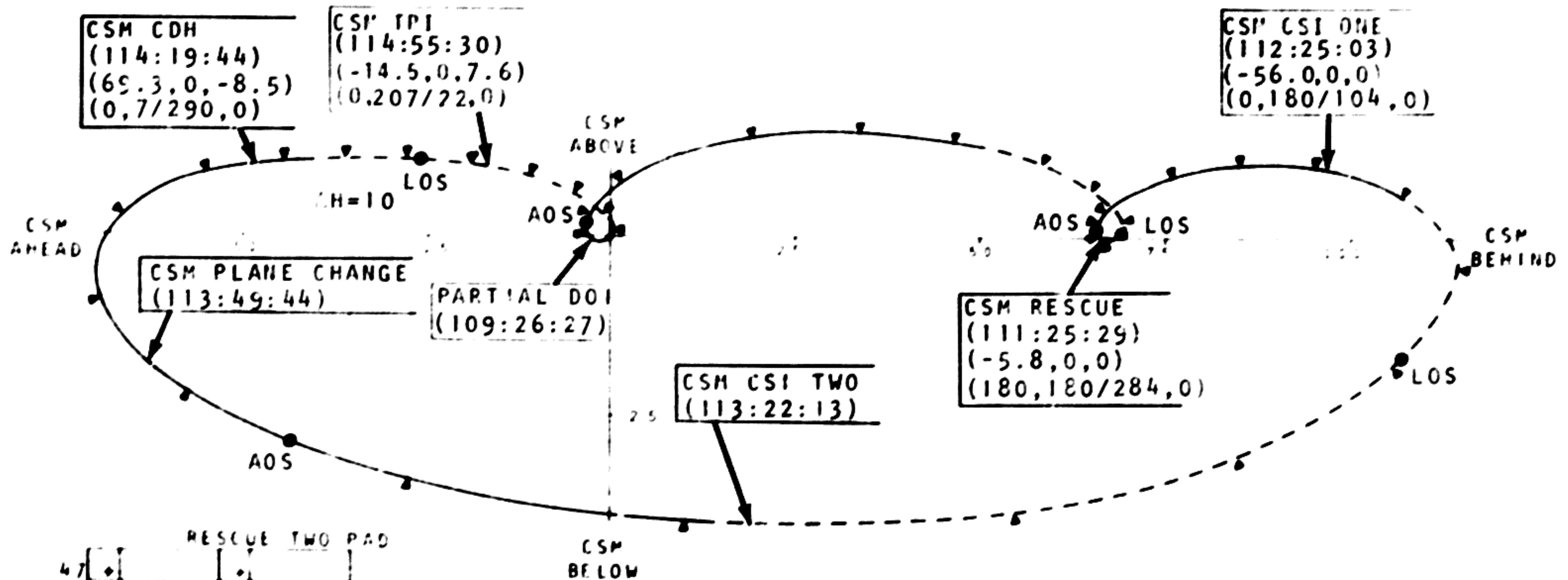


FAO

APOLLO 12	
CSM RESCUE BOOK	
PART NO	S/N
SKB32100081-354	1002



47			
48			
33			
81			
22			
V0			
11			
37			
6			
CSM CSI ONE COPY			
11			
37			
75			
81			
6			

11			
33			
84			
LM CSM TWO P76			
33			
84			
CSM PC COPY			
33			
84			

13			
75			
81			
LM CDM P76			
33			
84			
CSM TPI COPY			
33			
84			

33	:	:	:
84	.	.	.

33	:	:	:
84	.	.	.

33	:	:	:
84	.	.	.

SOURCE MODEL

DATE BD OCT. 14, 1969

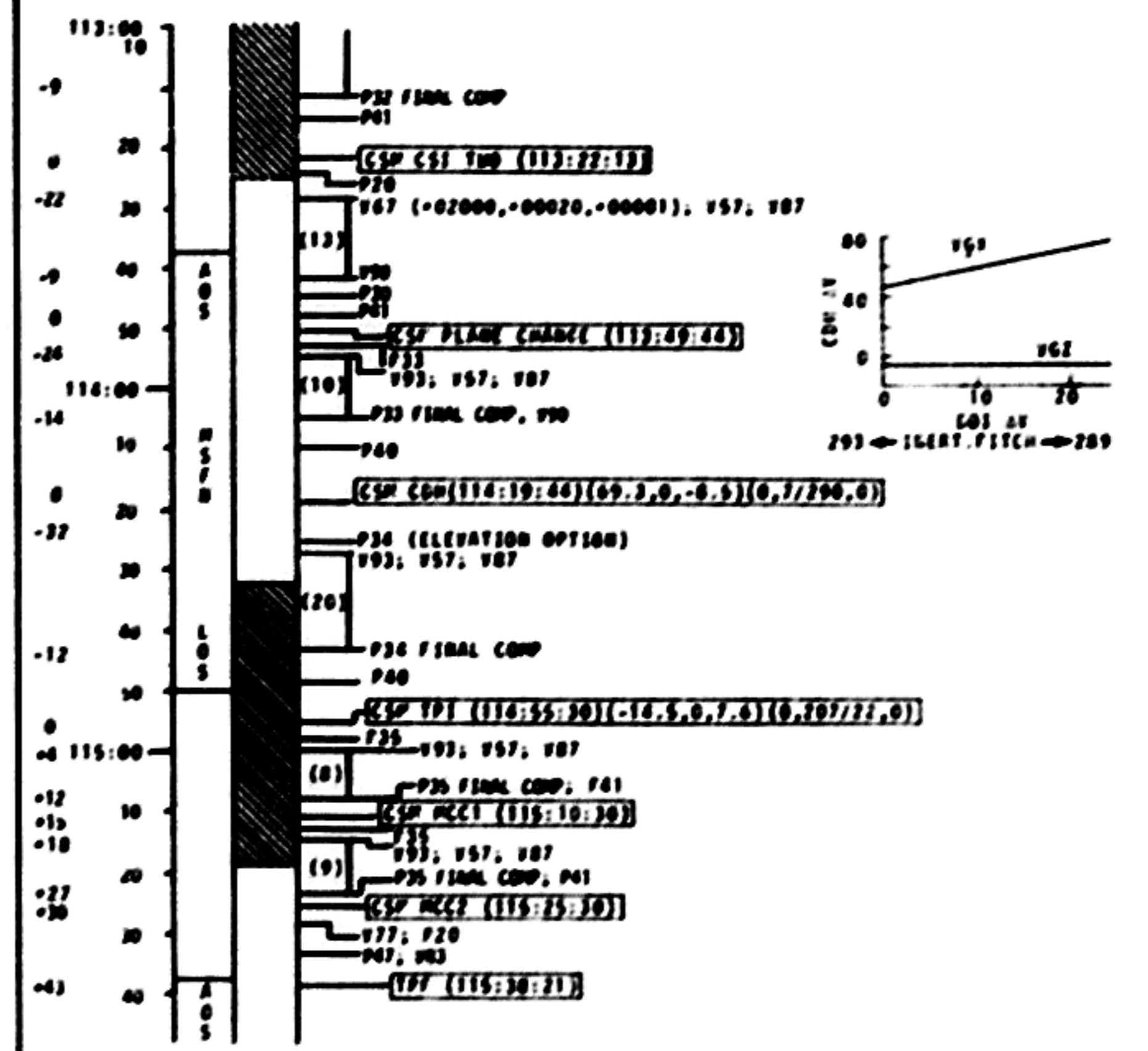
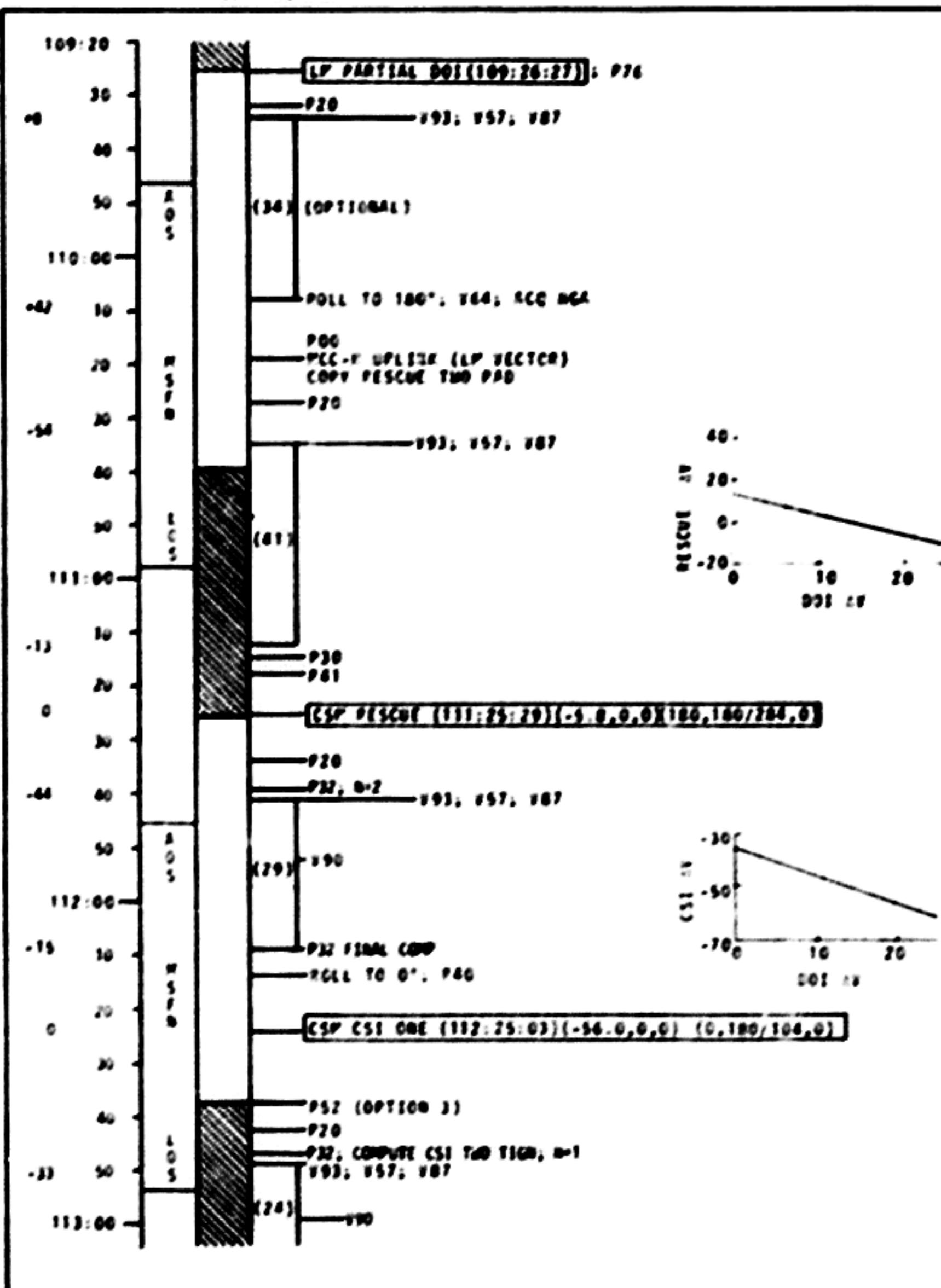
CSM RESCUE BOOK

SOURCE POSAL

OCT. 14, 1969

CASE 1 <25 PARTIAL DOI(CSM ACTIVE) (CHECKLIST FOR 20 FPS)

CSM RESCUE DOI

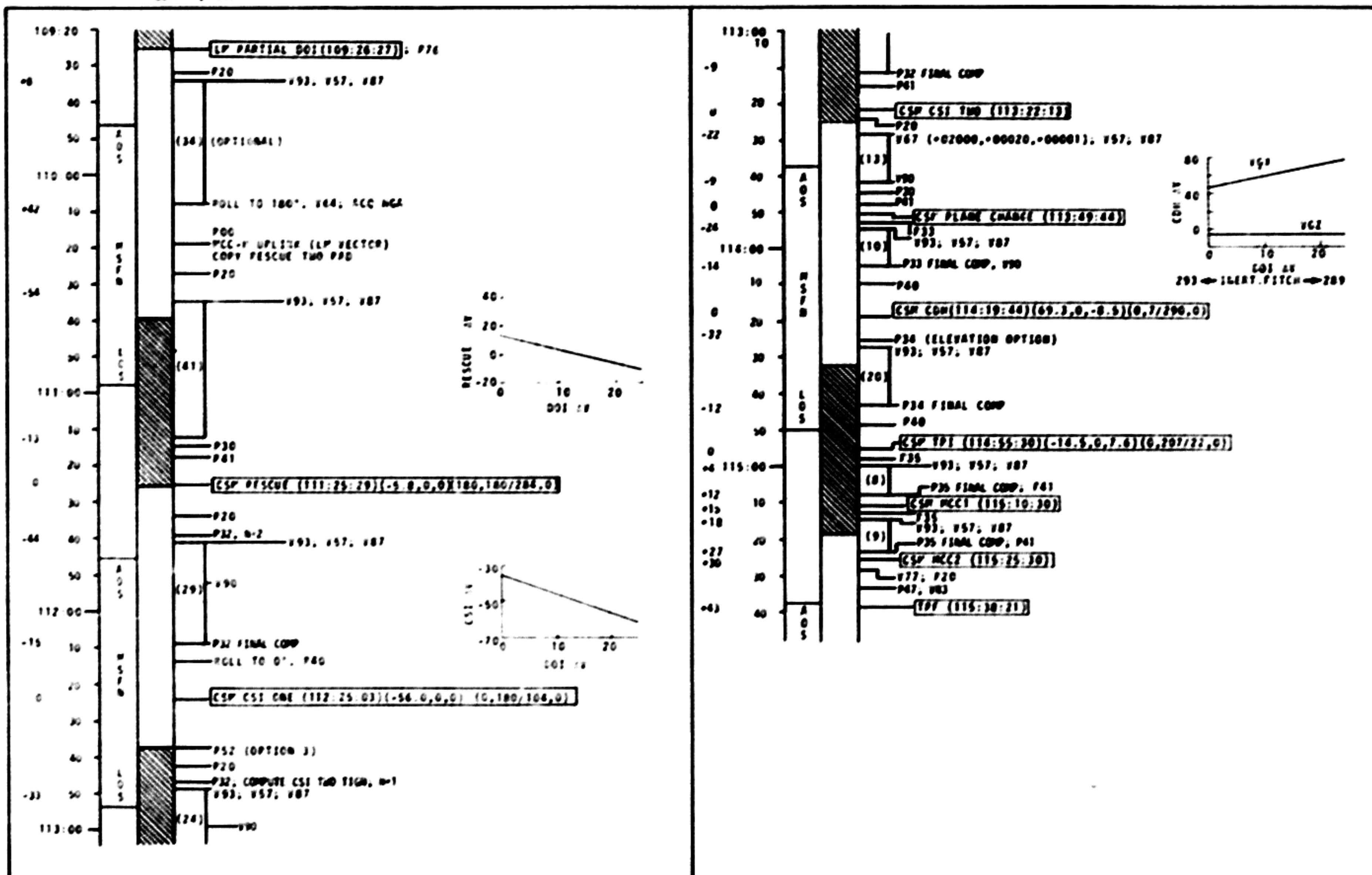


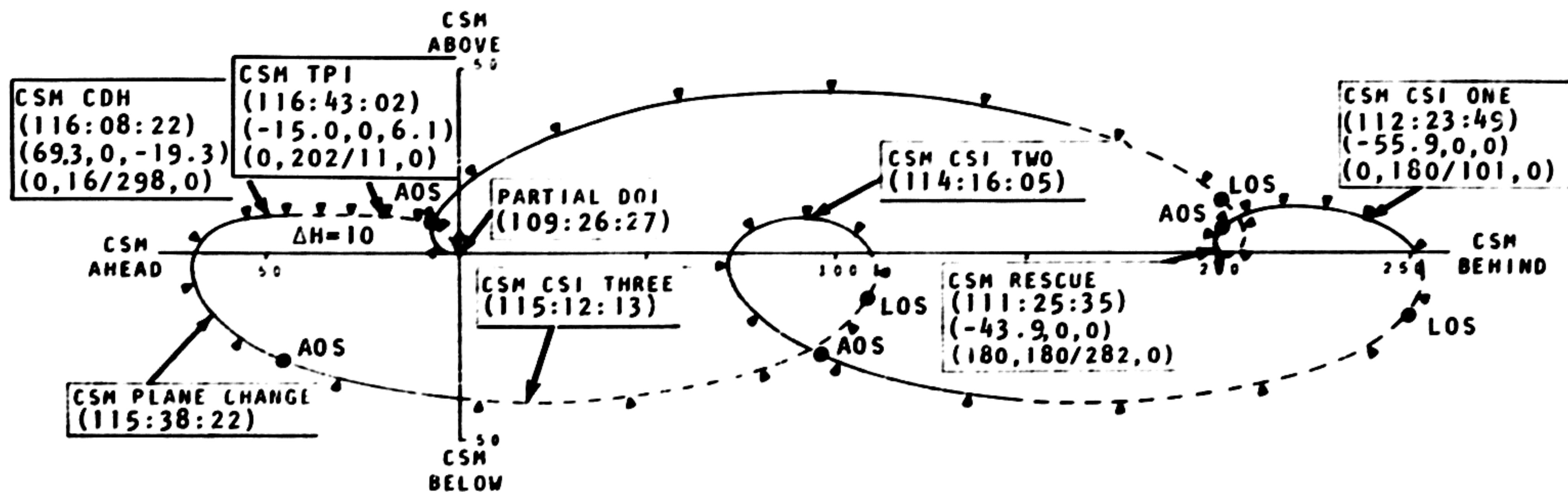
SOURCE POSAL

OCT. 14, 1969

CASE 1 <25 PARTIAL DOI(CSM ACTIVE) (CHECKLIST FOR 20 FPS)

CSM RESCUE BOOK





RESCUE TWO PAD			
47	+	+	
48	-	+	
33	.	.	.
81	.	.	.
22	.	.	.
V C	.	X	X
11	.	.	.
37	.	.	.
N	.	.	.

CSM CSI ONE COPY			
11	:	:	.
37	:	:	.
75	.	:	.
81	.	.	.
82	.	.	.

LM CSI ONE P76			
33	:	:	.
84	.	.	.

CSM CSI TWO COPY			
11	:	:	.
37	.	:	.
75	.	:	.
81	.	.	.
82	.	.	.

LM CSI TWO P76			
33	:	:	.
84	.	.	.

CSM CSI THREE COPY			
11	:	:	.
81	.	.	.

LM CSI THREE P76			
33	:	:	.
84	.	.	.

CSM PC COPY			
33	:	:	.
81	.	.	.

LM PC P76			
33	:	:	.
84	.	.	.

CSM CDH COPY			
13	:	:	.
75	.	:	.
81	.	.	.

LM CDH P76			
33	:	:	.
84	.	.	.

CSM TPI COPY			
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

LM TPI P76			
33	:	:	.
84	.	.	.

SOURCE : MOSEL
DATE BD OCT. 14, 1969

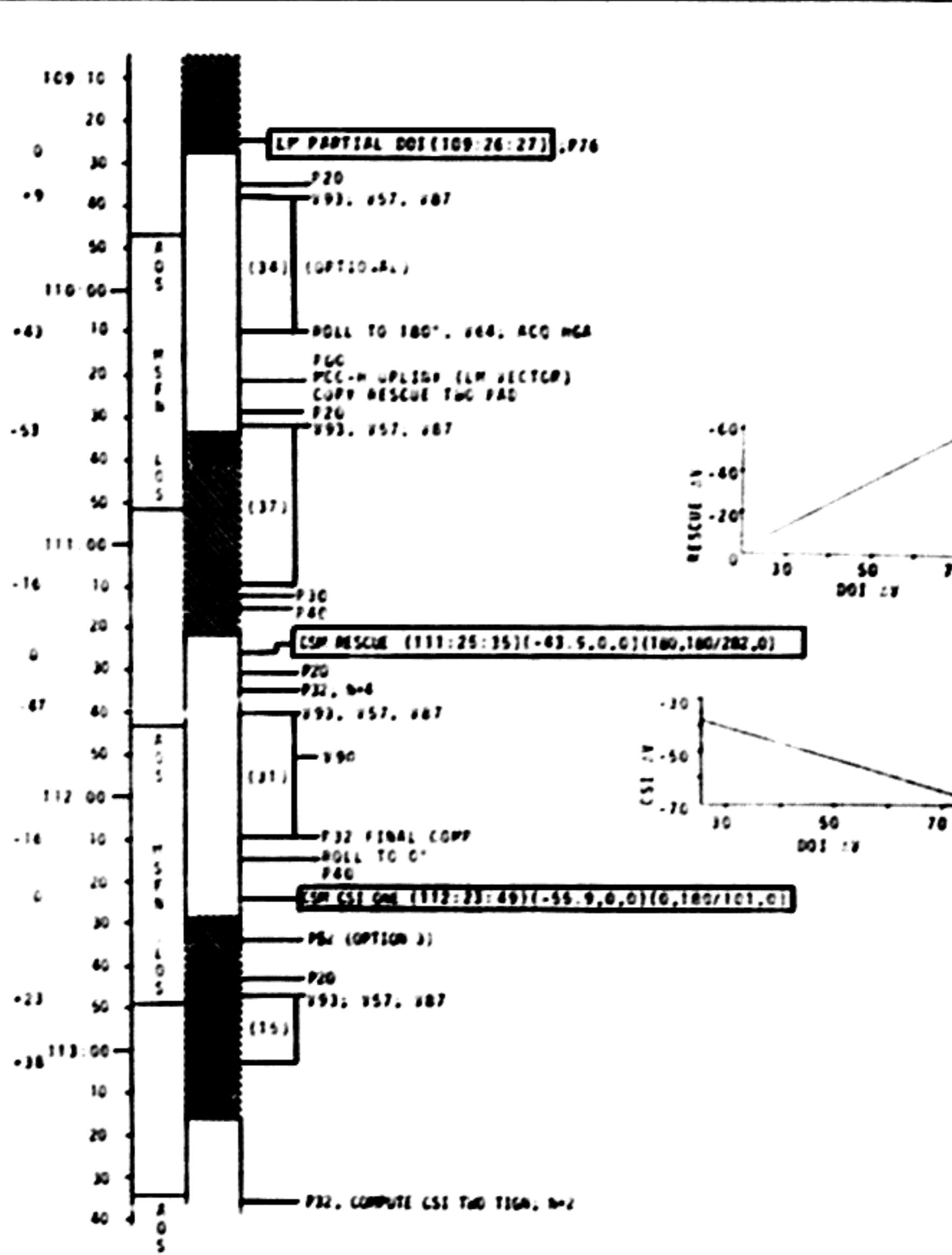
CSM RESCUE BOOK

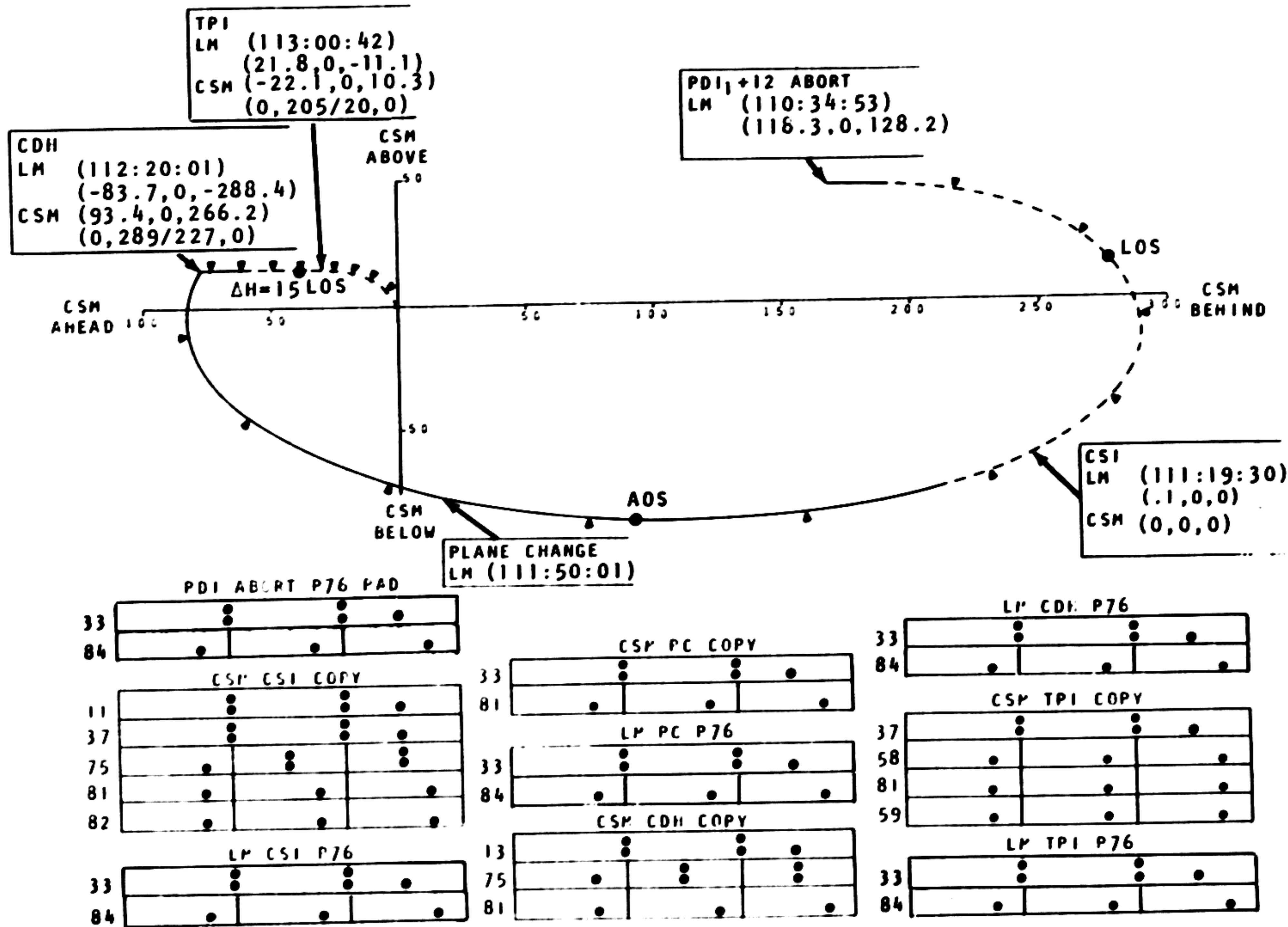
SOURCE NOSEL

OCT. 14, 1969

CASE 2 #25 PARTIAL DOI(CSM ACTIVE) (CHECKLIST FOR 60 FPS)

CSM RESCUE BOOK





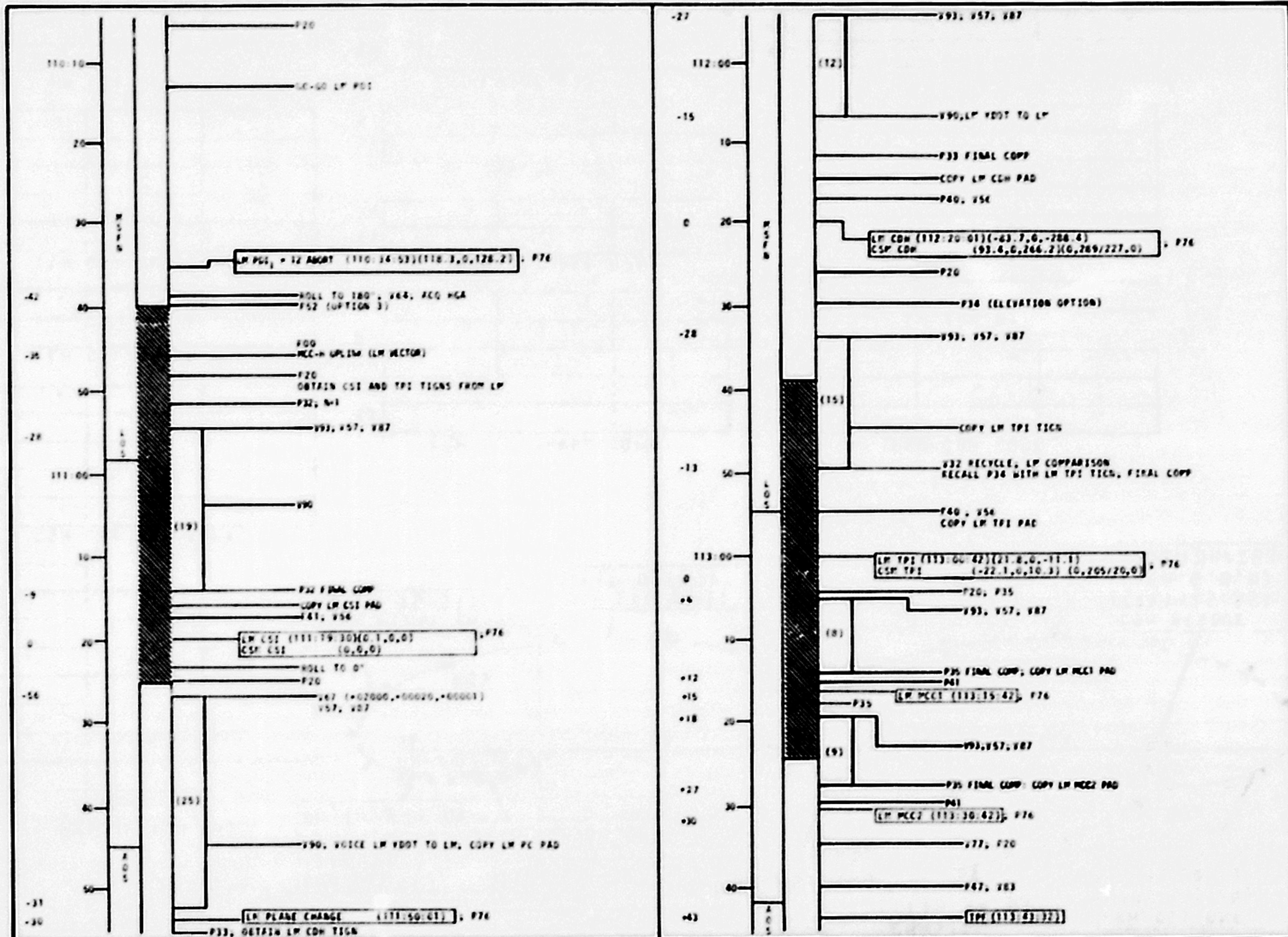
SOURCE 110SEL
DATE BD OCT. 14, 1969

CSM RESCUE BOOK

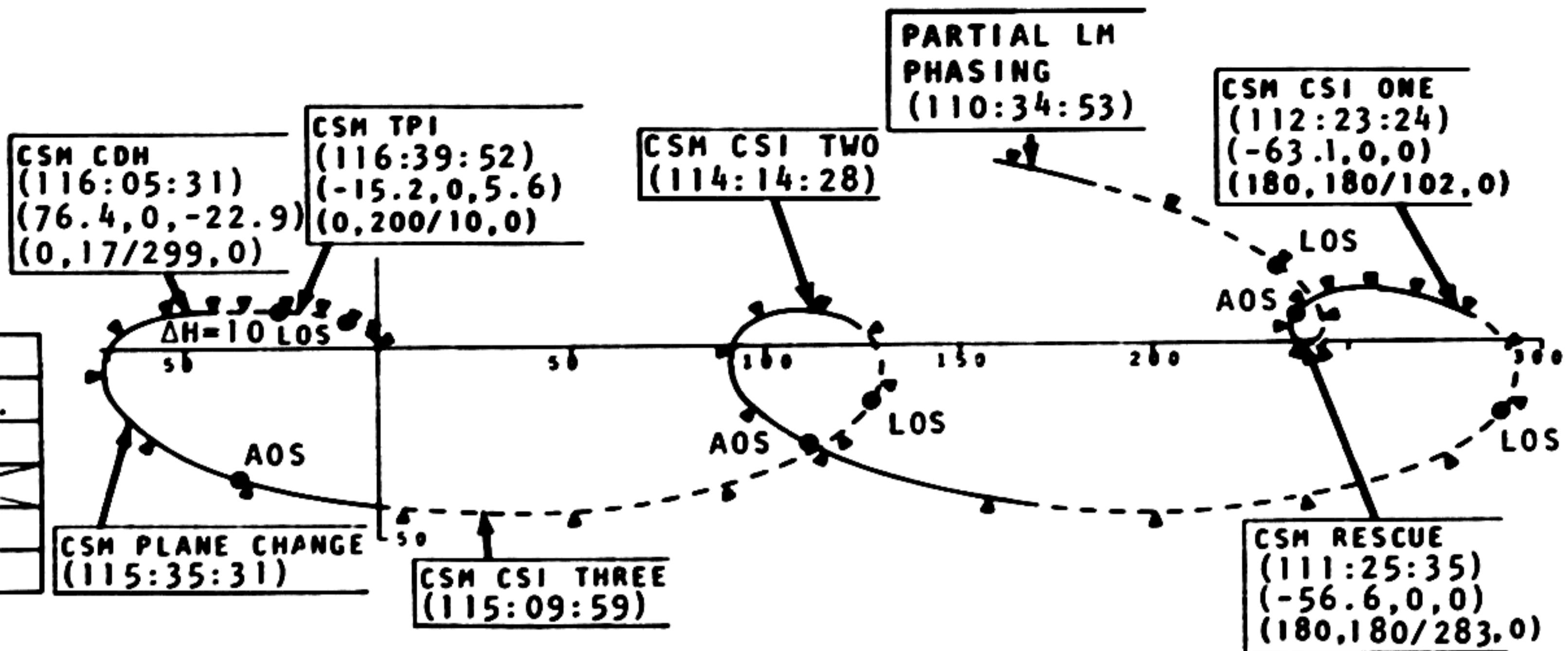
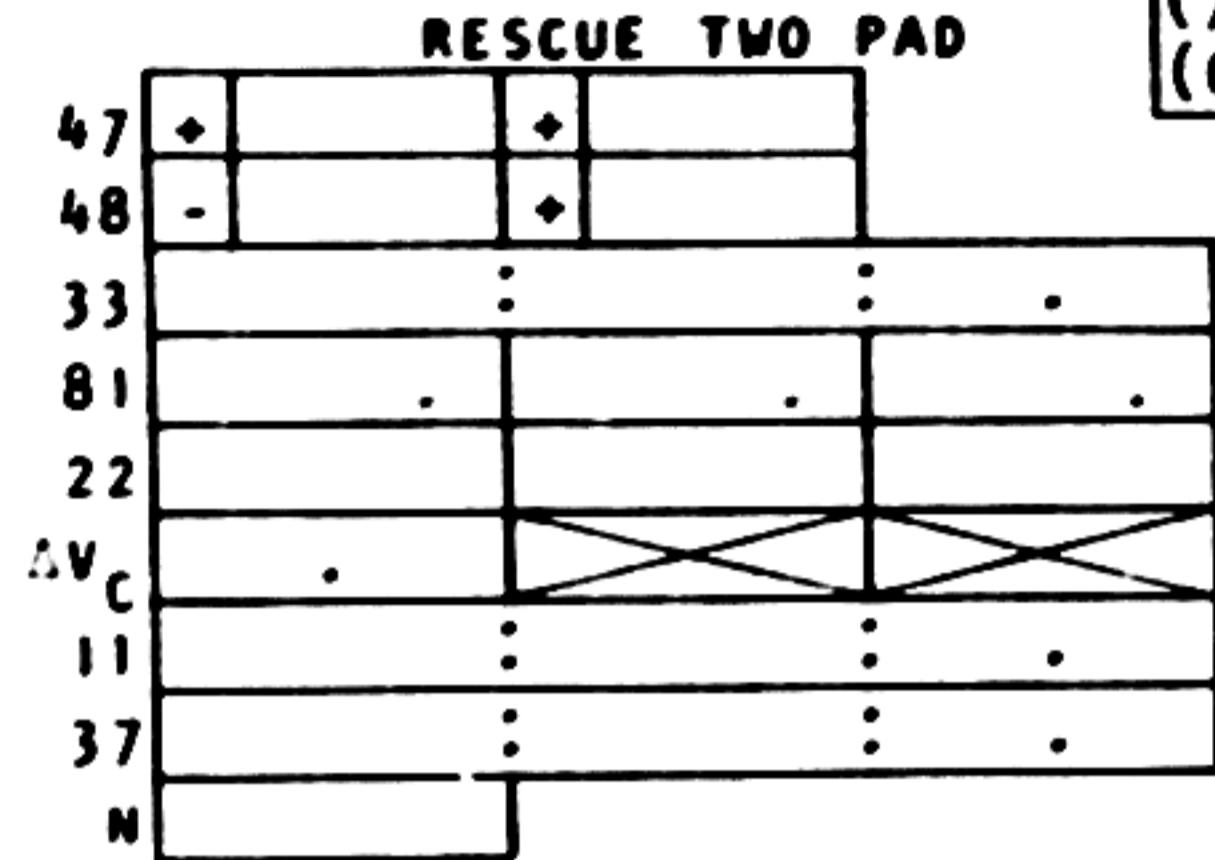
SOURCE MODEL
OCT. 14, 1969

CASE 3 NO PDI, +12(LM ACTIVE)

CSP RESUME BOOK



NO PDI, +12
(LM)



CSM CSI ONE COPY

11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

LM CDH P76

33	:	:	.
84	.	.	.

CSM CSI TWO COPY

11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

LM CSI TWO P76

33	:	:	.
84	.	.	.

CSM CSI THREE COPY

11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

LM CSI THREE P76

33	:	:	.
84	.	.	.

CSM PC COPY

33	:	:	.
81	.	.	.

LM PC P76

33	:	:	.
84	.	.	.

CSM CDH COPY

13	:	:	.
75	.	:	:
81	.	.	.

LM CDH P76

33	:	:	.
84	.	.	.

CSM TPI COPY

37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

LM TPI P76

33	:	:	.
84	.	.	.

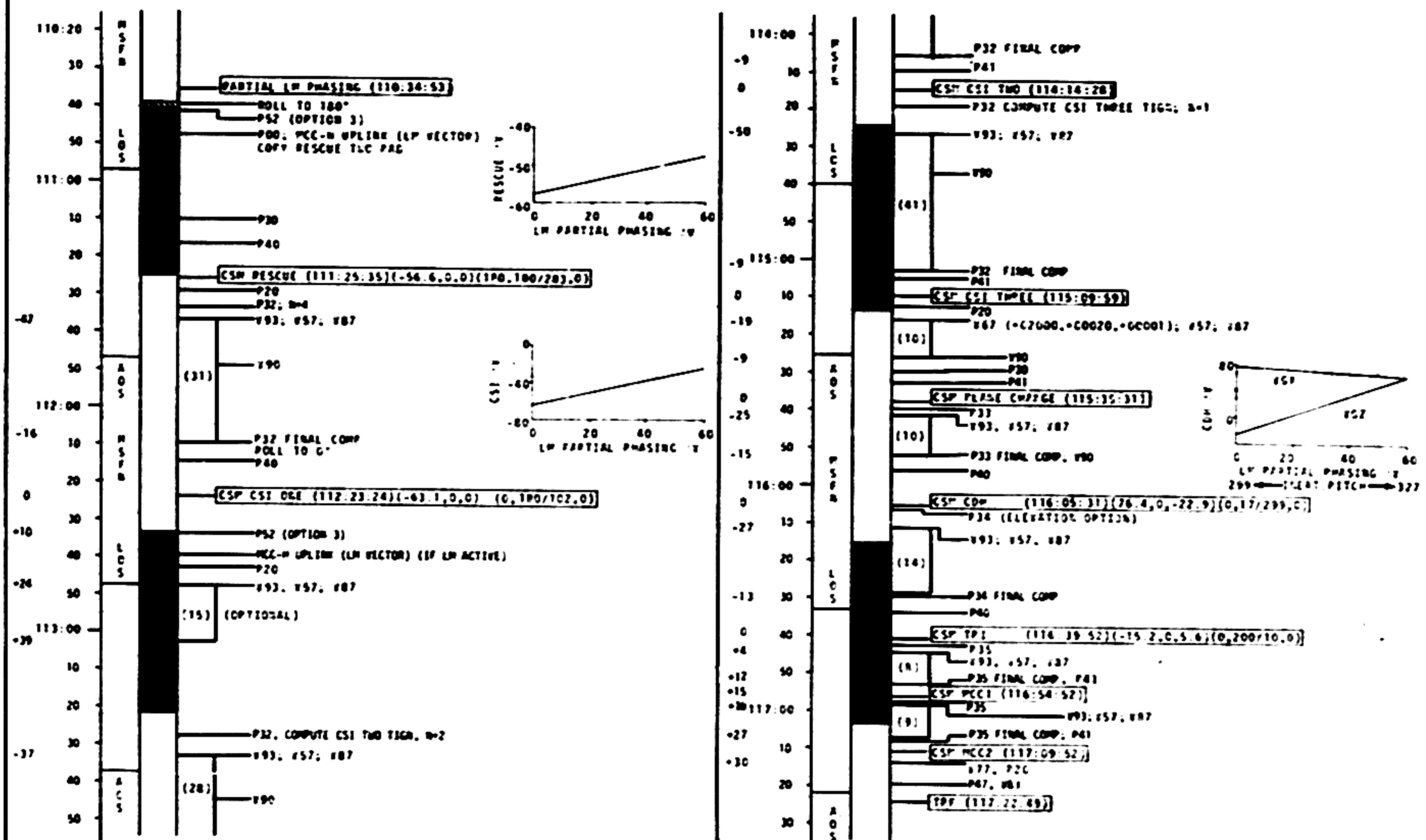
SOURCE NOSEL
DATE BD OCT. 14, 1969

CSM RESCUE BOOK

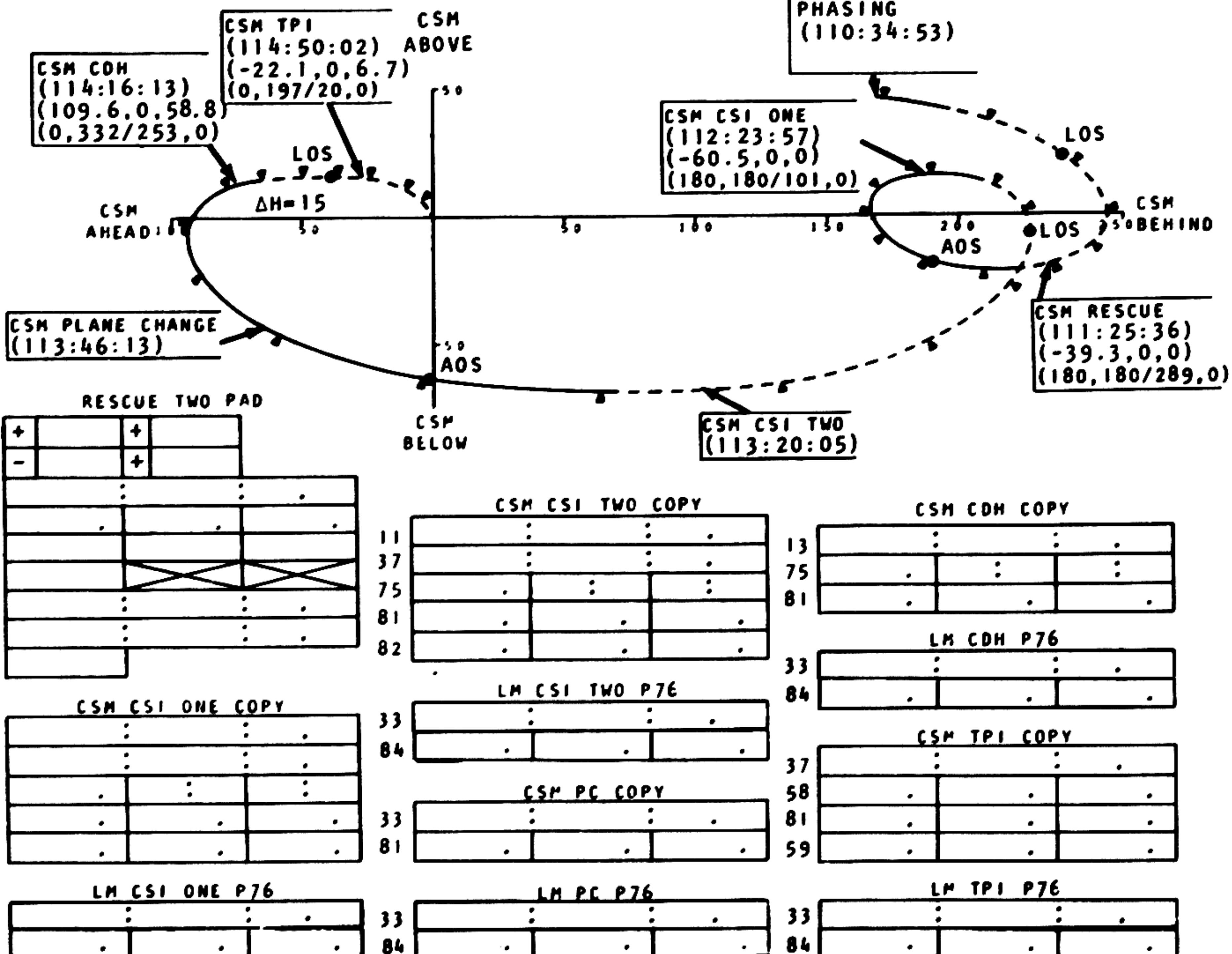
SOURCE MODEL
OCT. 14, 1969

CASE 4 <60 NO PDI, +12(CSM ACTIVE) (CHECKLIST FOR ZERO FPS)

CSM RESCUE MODE



<60 NO PDI, +12
(CSM)



SOURCE: MOSEL

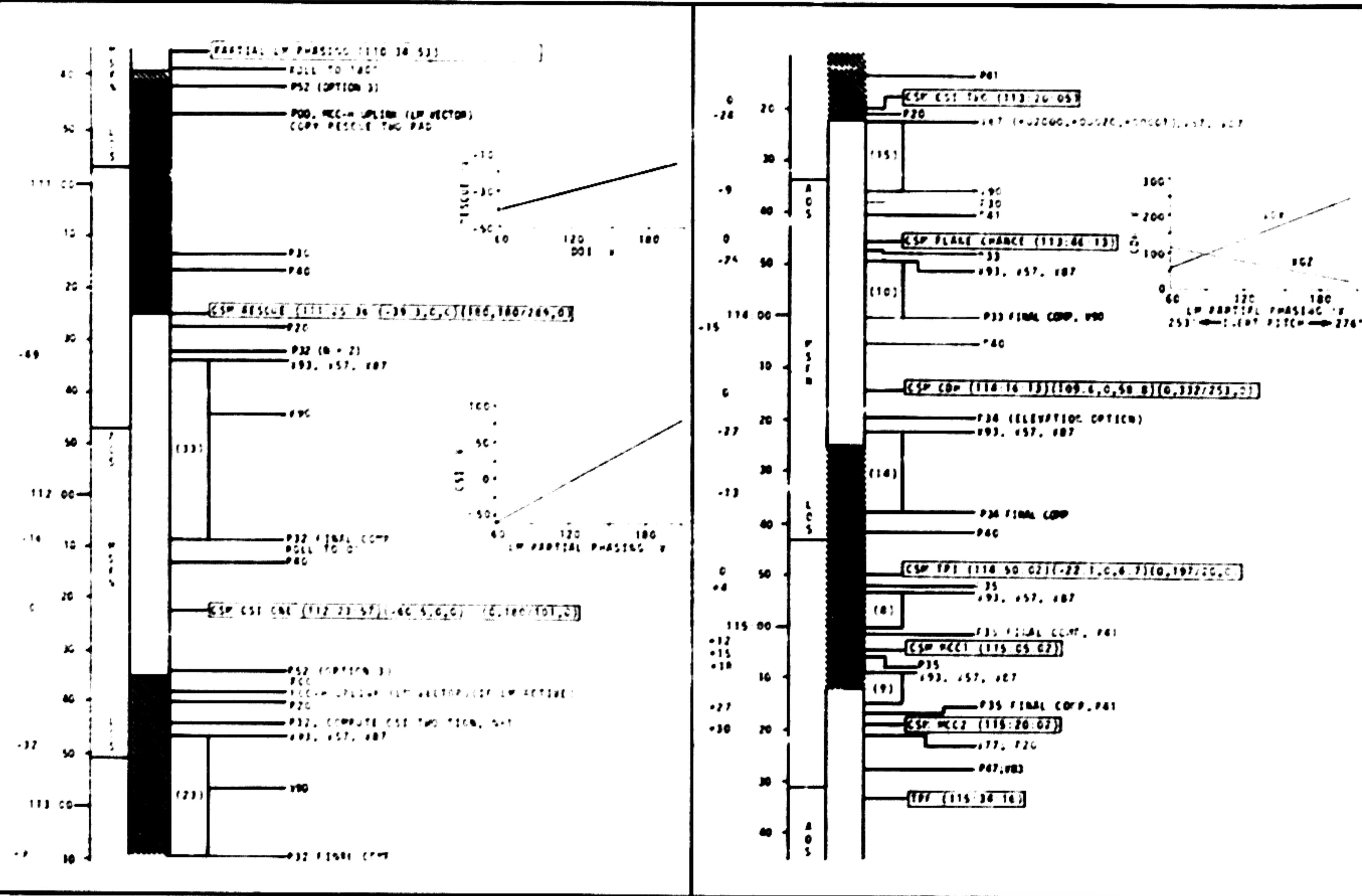
DATE BD OCT. 14, 1969

CSM RESCUE BOOK

SAFETY TEST.

(ASE 3 AND NO PDI, +12VCSW ACTIVE) (CHECKLIST REF TO PPS)

© 2004 KODAK

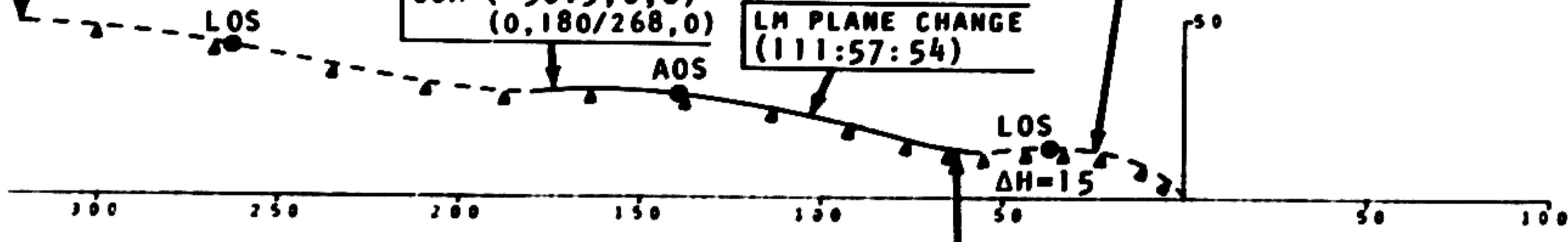


**≥ 60 NO PDI₁+12
(CSM)**

LM INSERTION
(110:40:35)

CSI
LM (111:30:24)
(49.4, 0, 0)
CSM (-50.3, 0, 0)
(0, 180/268, 0)

TPI
LM (113:00:42)
(21.7, 0, -10.9)
CSM (-22.0, 0, 10.3)
(0, 205/18, 0)



CDH
LM (112:27:54)
(18.8, 0, 21.3)
CSM (-18.3, 0, -18.7)
(0, 134/53, 0)

POST INSERTION ACQ ANGLES FOR LM ABORTS < PDI, + 10										
LM ABORT AT PDI, +	1	2	3	4	5	6	7	8	9	10
ACQ LM AT PDI, +	7	9	11	13	14	16	18	20	21	22
WITH ORDEAL/INERTIAL	13 285	13 279	11 271	6 261	348 237	281 164	242 119	237 109	233 102	233 98

CSM CSI COPY			
11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

LM CSI P76			
33	:	:	.
84	.	.	.

CSM PC COPY			
33	:	:	.
81	.	.	.
LM PC P76			
33	:	:	.
84	.	.	.
CSM CDH COPY			
13	:	:	.
75	.	:	:
81	.	.	.
LM CDH P76			
33	:	:	.
84	.	.	.
CSM TPI COPY			
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.
LM TPI P76			
33	:	:	.
84	.	.	.

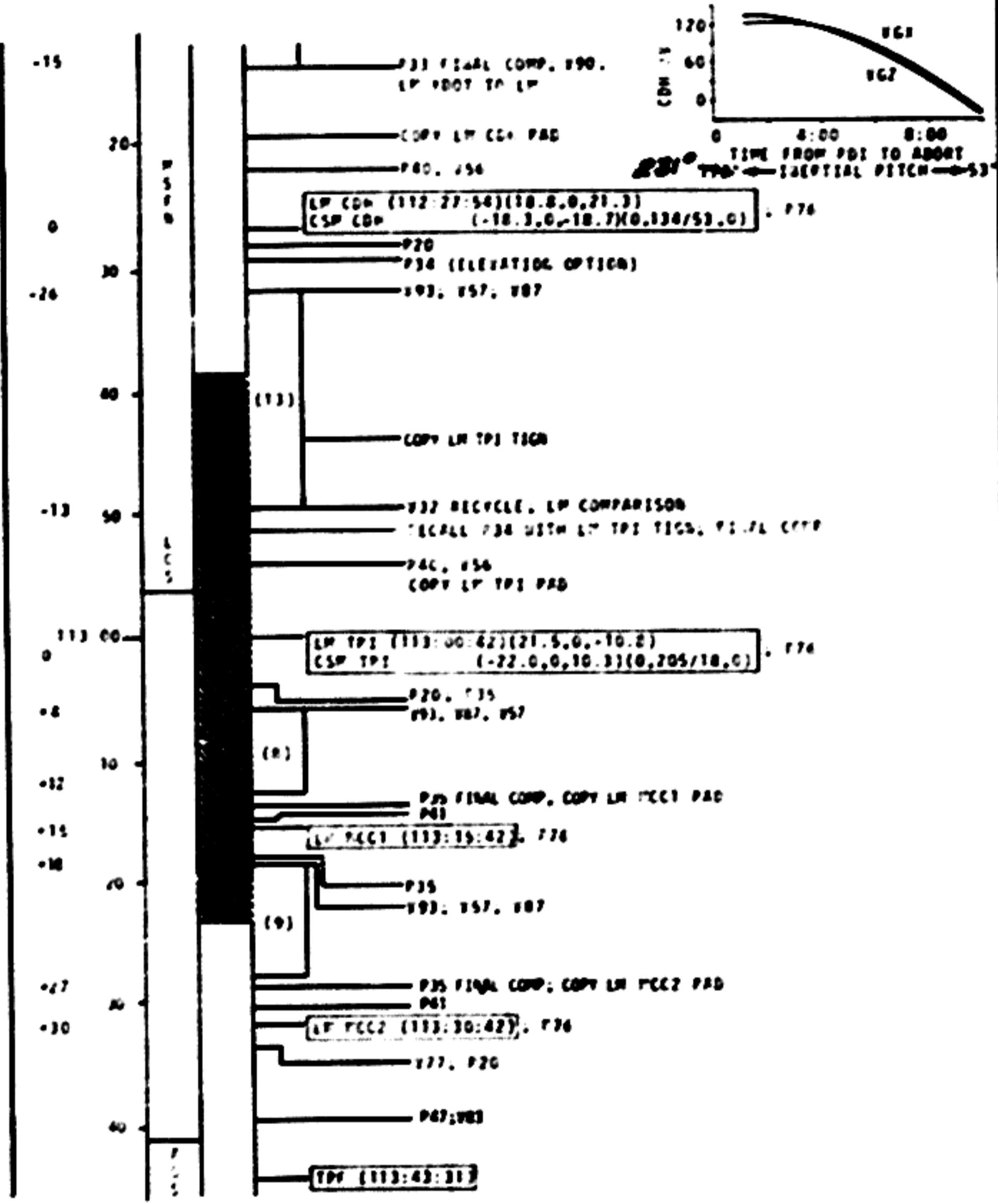
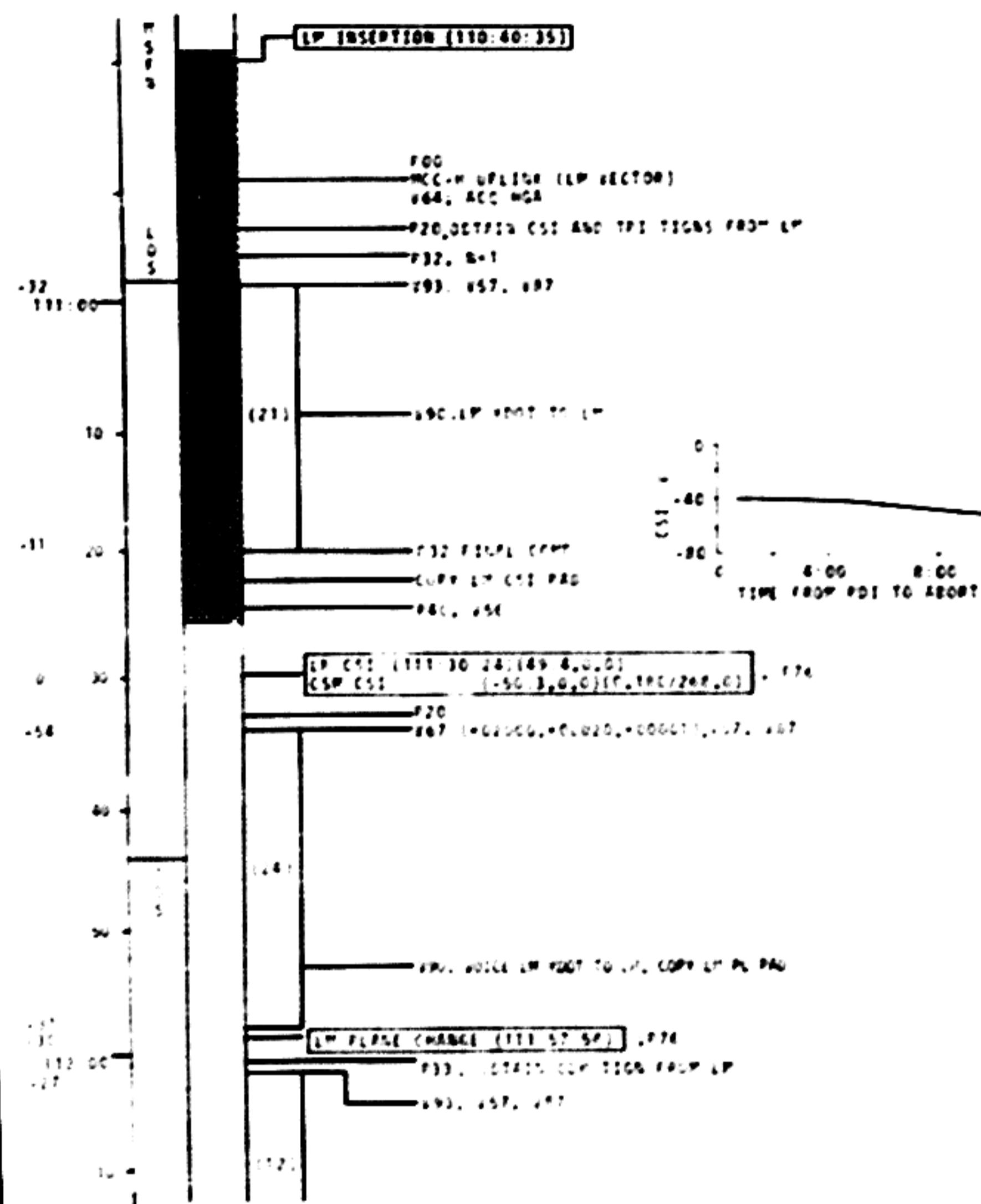
SOURCE HOSEL
DATE BD OCT. 14, 1969

CSM RESCUE BOOK

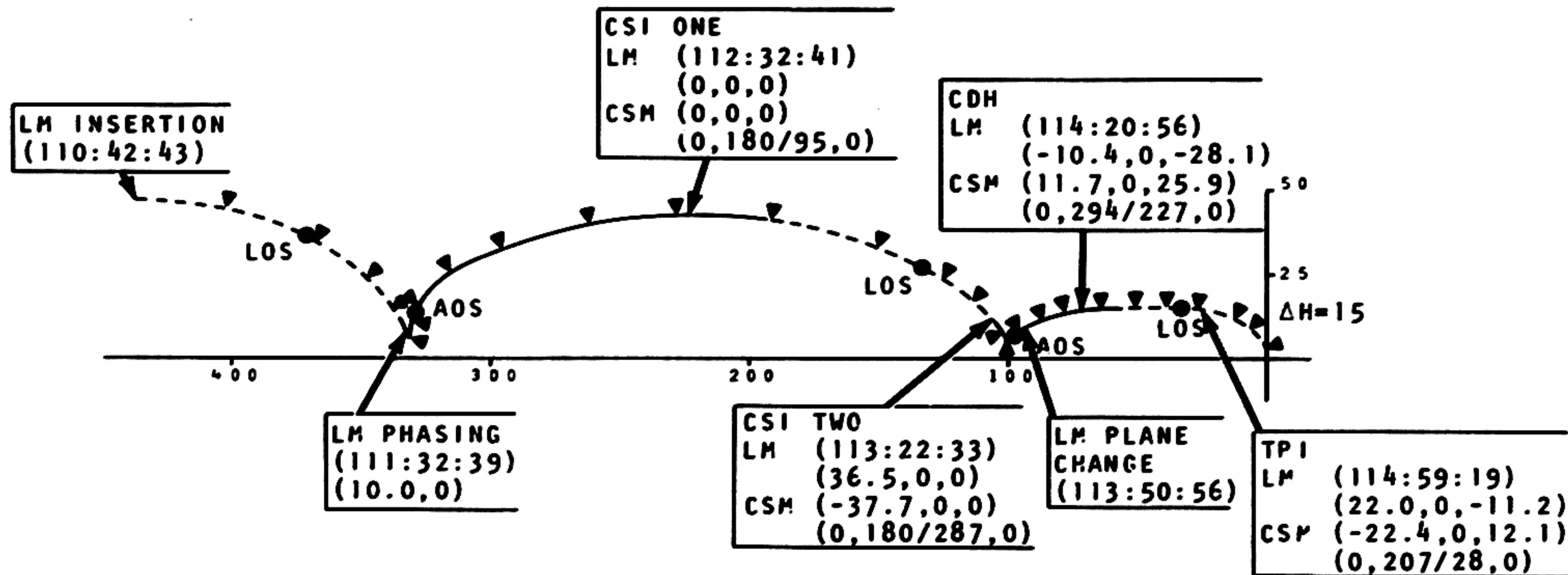
SOURCE POSAL
00-10-1969 APRIL 10, 1969

CASE 6 PDI, <10 VARIABLE INSERTION(LP ACTIVE) (CHECKLIST FOR PDI, <10 REPORT)

CSP RESUME 8000



**PDI, <10 VAR.
INSERT (LM)**



CSM CSI TWO COPY			
11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

LM PHASING P76			
33	:	:	.
84	.	.	.

CSM CSI ONE PAD			
33	:	:	.
81	.	.	.

LM CSI ONE P76			
33	:	:	.
84	.	.	.

LM CSI TWO P76			
33	:	:	.
84	.	.	.

CSM PC COPY			
33	:	:	.
81	.	.	.

LM PC P76			
33	:	:	.
84	.	.	.

CSM CDH COPY			
13	:	:	.
75	.	:	:
81	.	.	.

LM CDH P76			
33	:	:	.
84	.	.	.

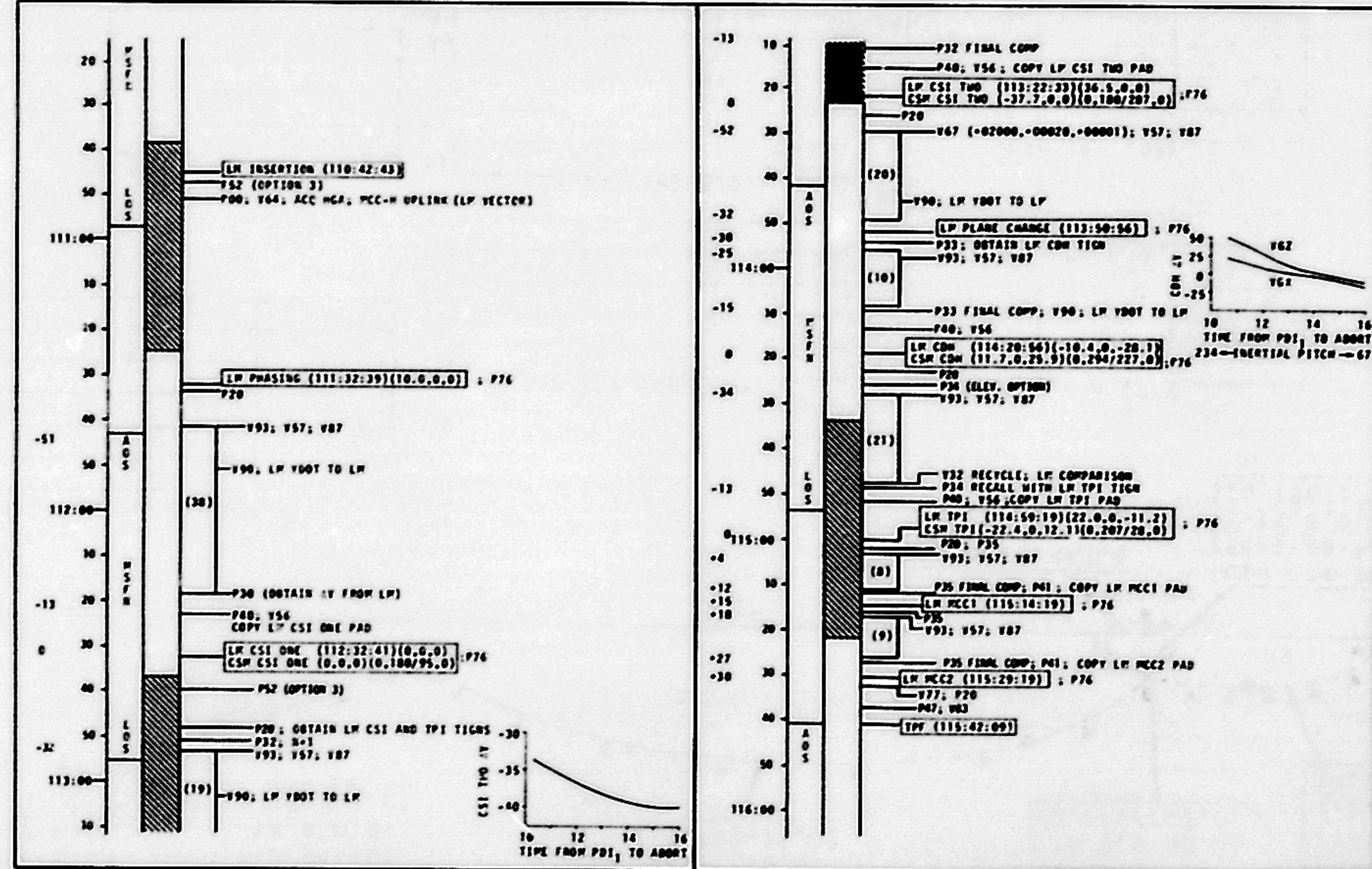
CSM TPI COPY			
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

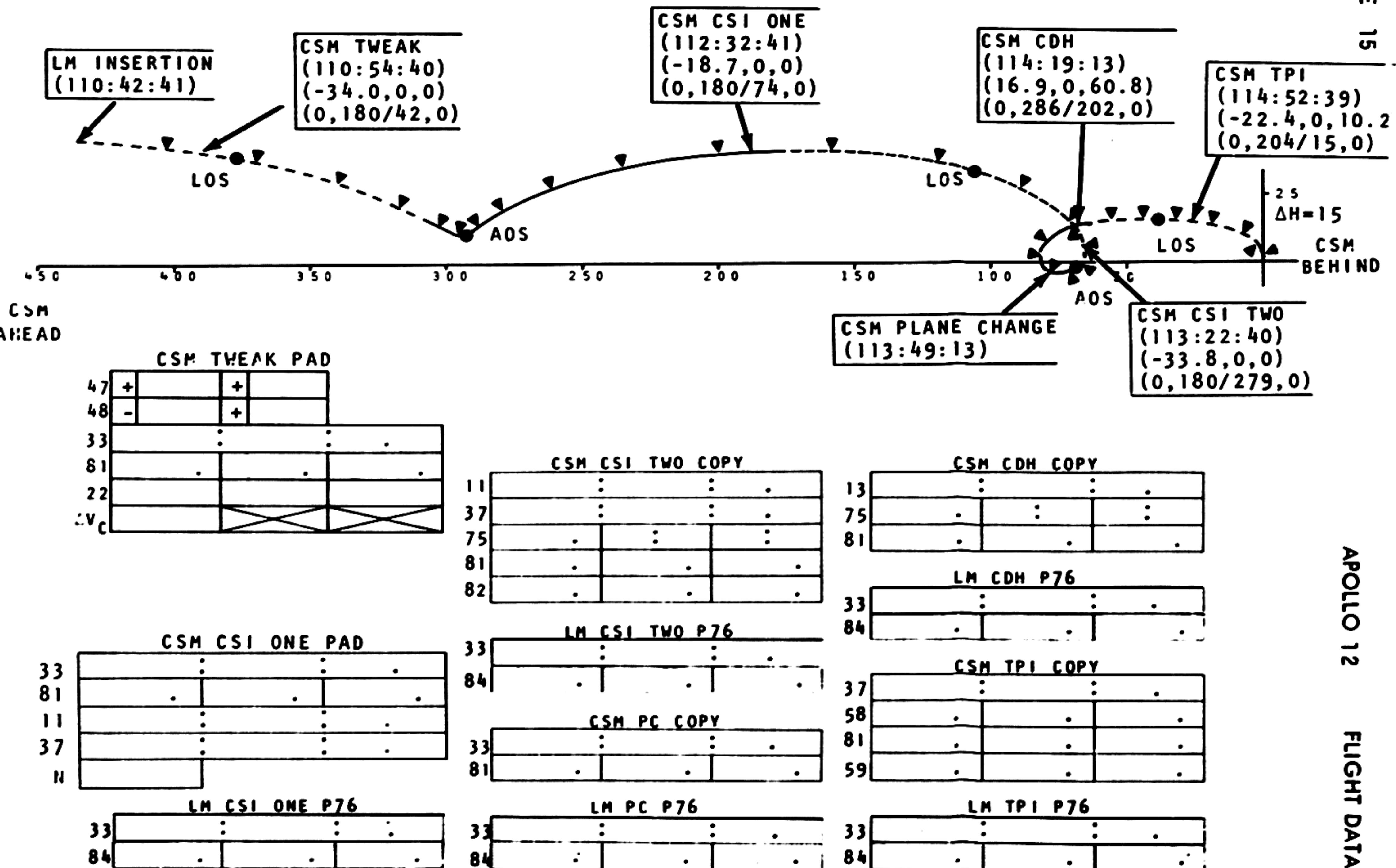
LM TPI P76			
33	:	:	.
84	.	.	.

SOURCE PDSL
OCT. 14, 1969

CASE 7 PDI₁, 10-15 MINUTES VARIABLE INSERTION (LM ACTIVE) (CHECKLIST FOR PDI₁ + 12)

CSP RESCUE BOOK





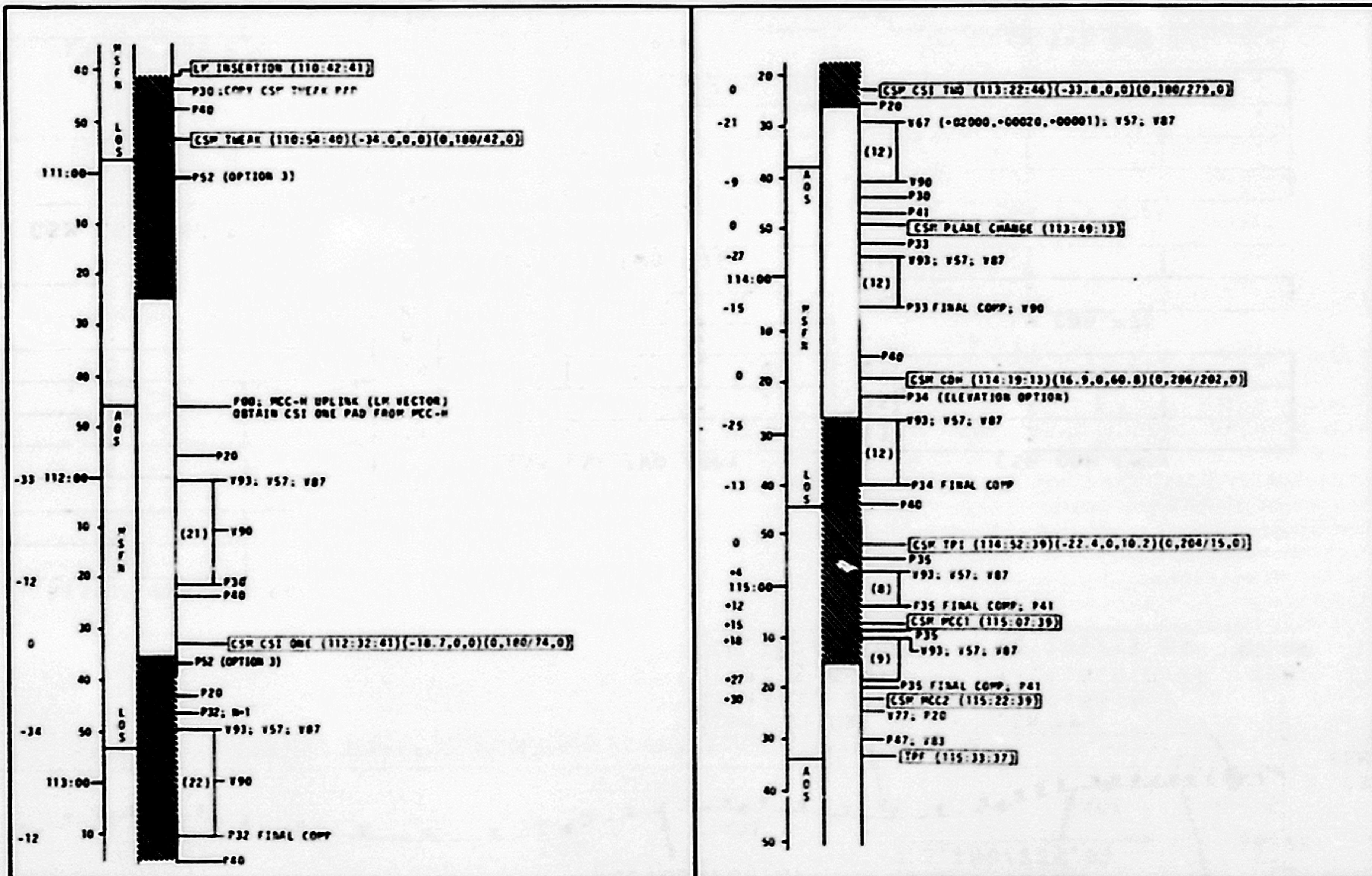
SOURCE: HOSEL
DATE BD OCT. 14, 1969

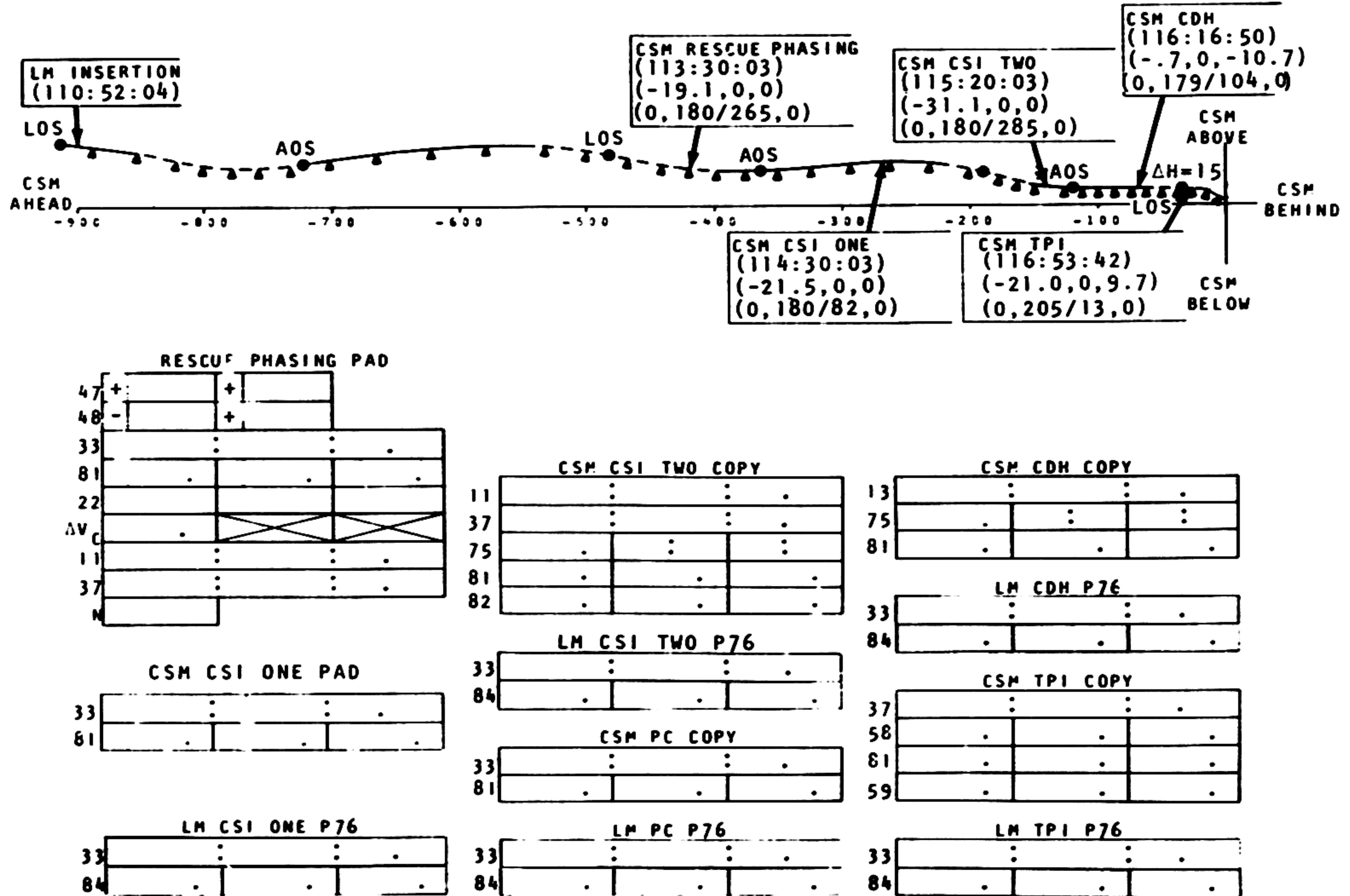
CSM RESCUE BOOK

SOURCE NOSEL
OCT. 14, 1969

CASE 8 PDI, 10-15 MINUTES CONSTANT INSERTION (CSM ACTIVE)(SPECIALIST FOR ABORT AT PDI, + 12)

CSR RESCUE BOOK





SOURCE NOSEL

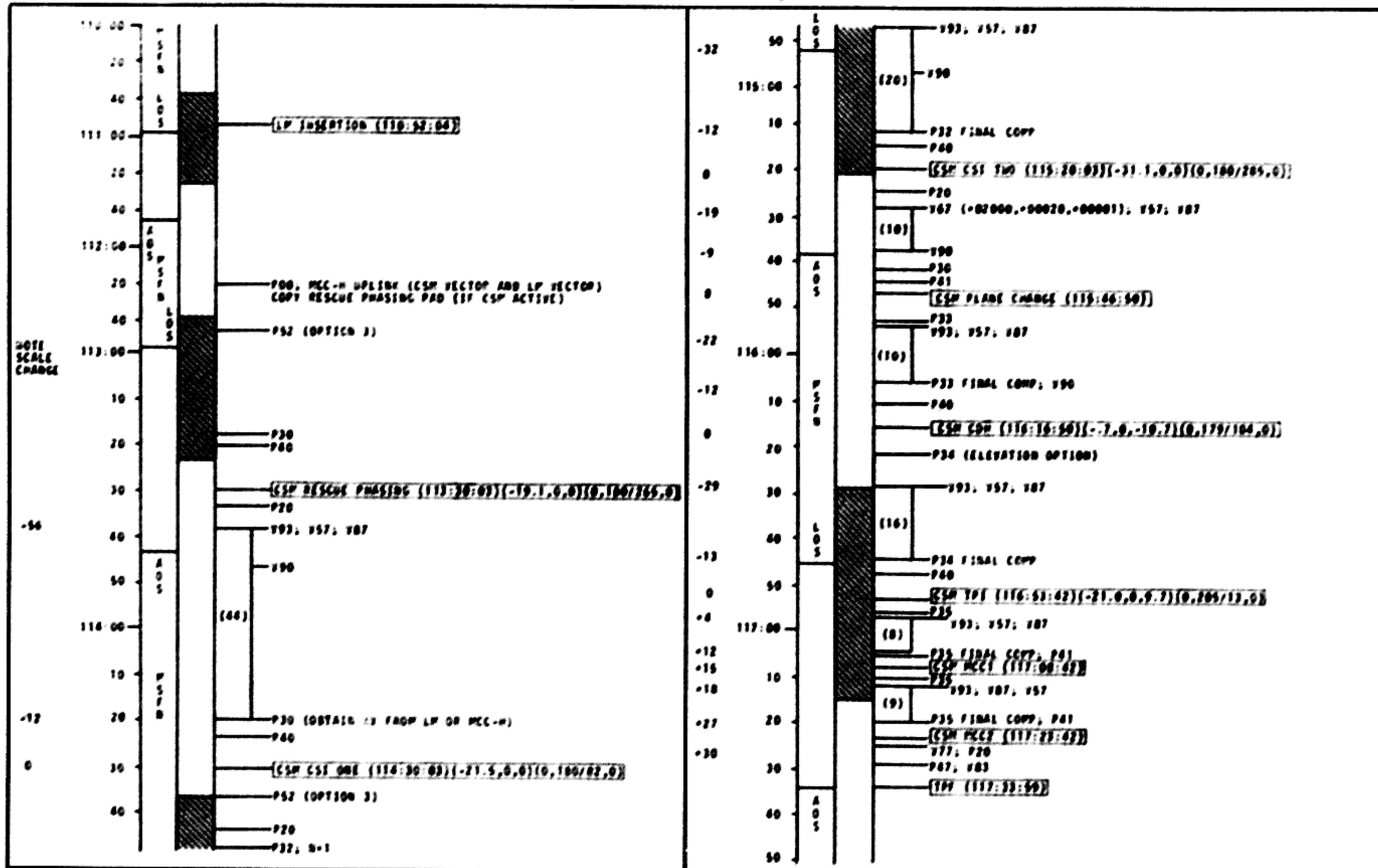
DATE BD OCT. 14, 1969

CSM RESCUE BOOK

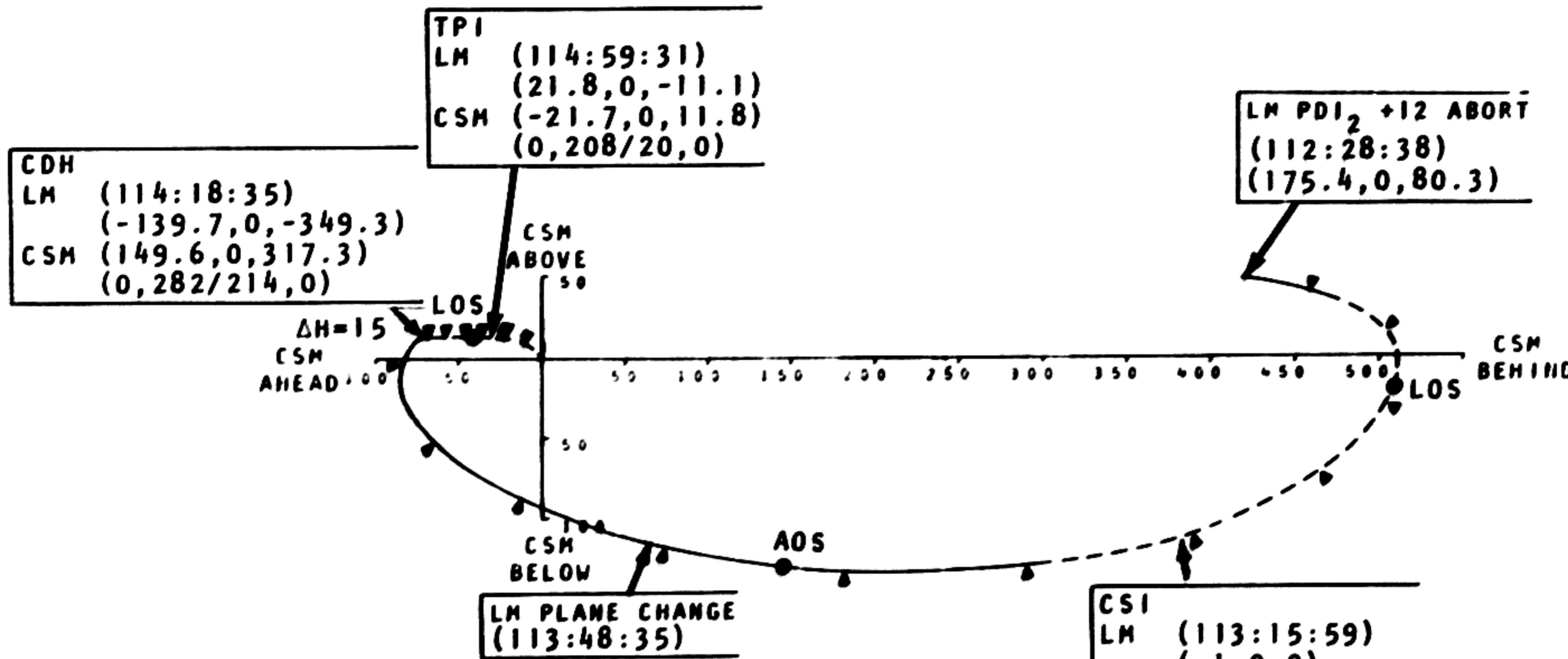
SOURCE MODEL
JULY 16, 1969

CASE 9 PDI-1-21:24 PREFERRED LIFTOFF (T_2) (CSP ACTIVE)

CSP RESCUE MODE



PDI-1-21:24 PREF.
LIFTOFF(CSP)



CSI
LM (113:15:59)
(.1,0,0)
CSM (7.4,0,0)
(180,0/127,0)

<u>PDI ABORT P76 PAD</u>			
33	8	8	•
84	•	•	•
<u>CSM CSI COPY</u>			
11	8	8	•
37	8	8	•
75	•	8	8
81	•	•	•
82	•	•	•
<u>LM CSI P76</u>			
33	8	8	•
84	•	•	•

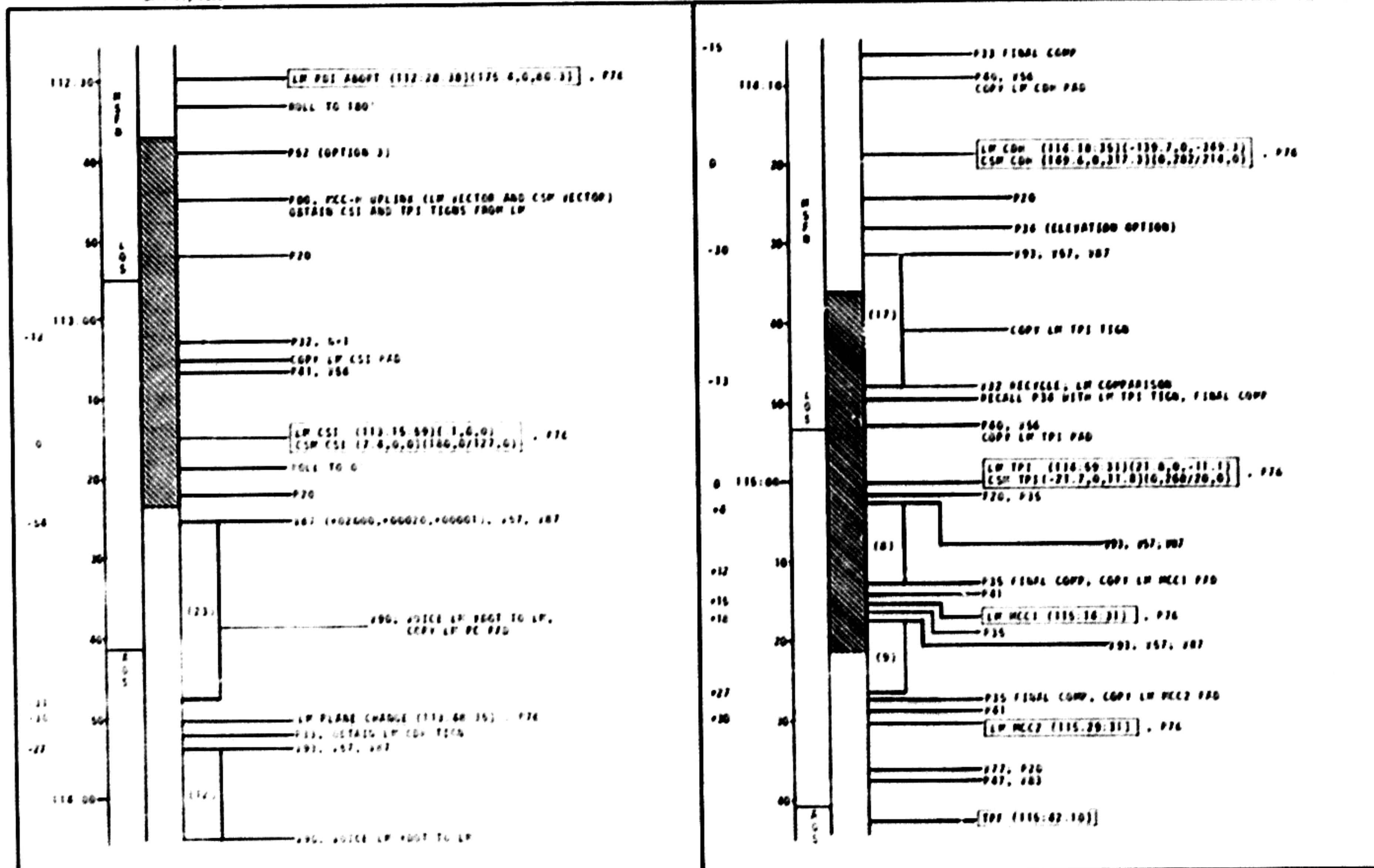
<u>CSM PC C.IPY</u>			
33	•	•	•
81	•	•	•
<u>LM PC P76</u>			
33	8	8	•
84	•	•	•
<u>CSM CDH COPY</u>			
13	8	8	•
75	•	8	8
81	•	•	•

<u>LM CDH P76</u>			
33	8	8	•
84	•	•	•
<u>CSM TPI COPY</u>			
37	8	8	•
58	•	•	•
81	•	•	•
59	•	•	•
<u>LM TPI P76</u>			
33	8	8	•
84	•	•	•

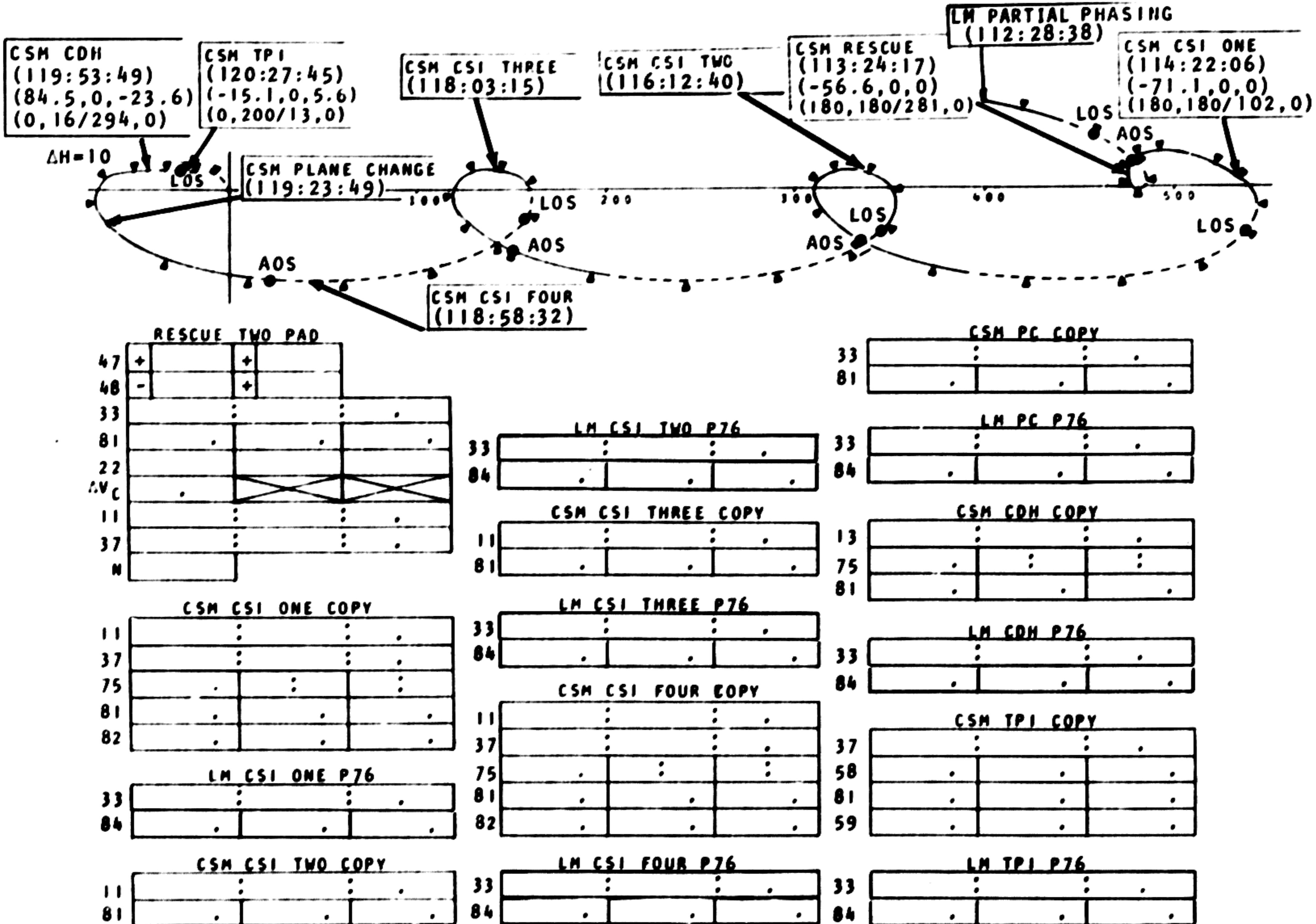
SOURCE MODEL
OCT. 14, 1969

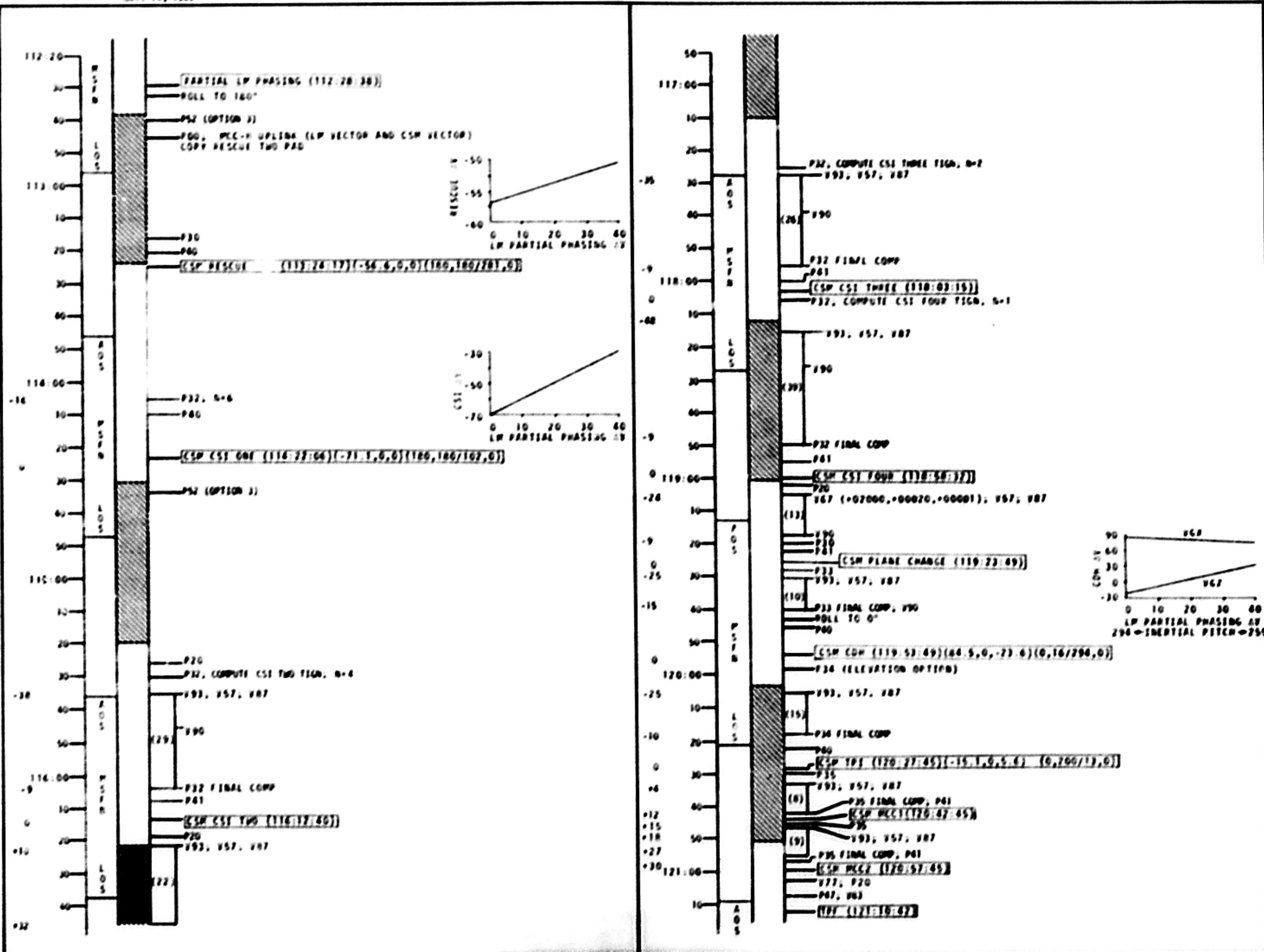
CASE 10 GO PDI, +12(LP ACTIVE)

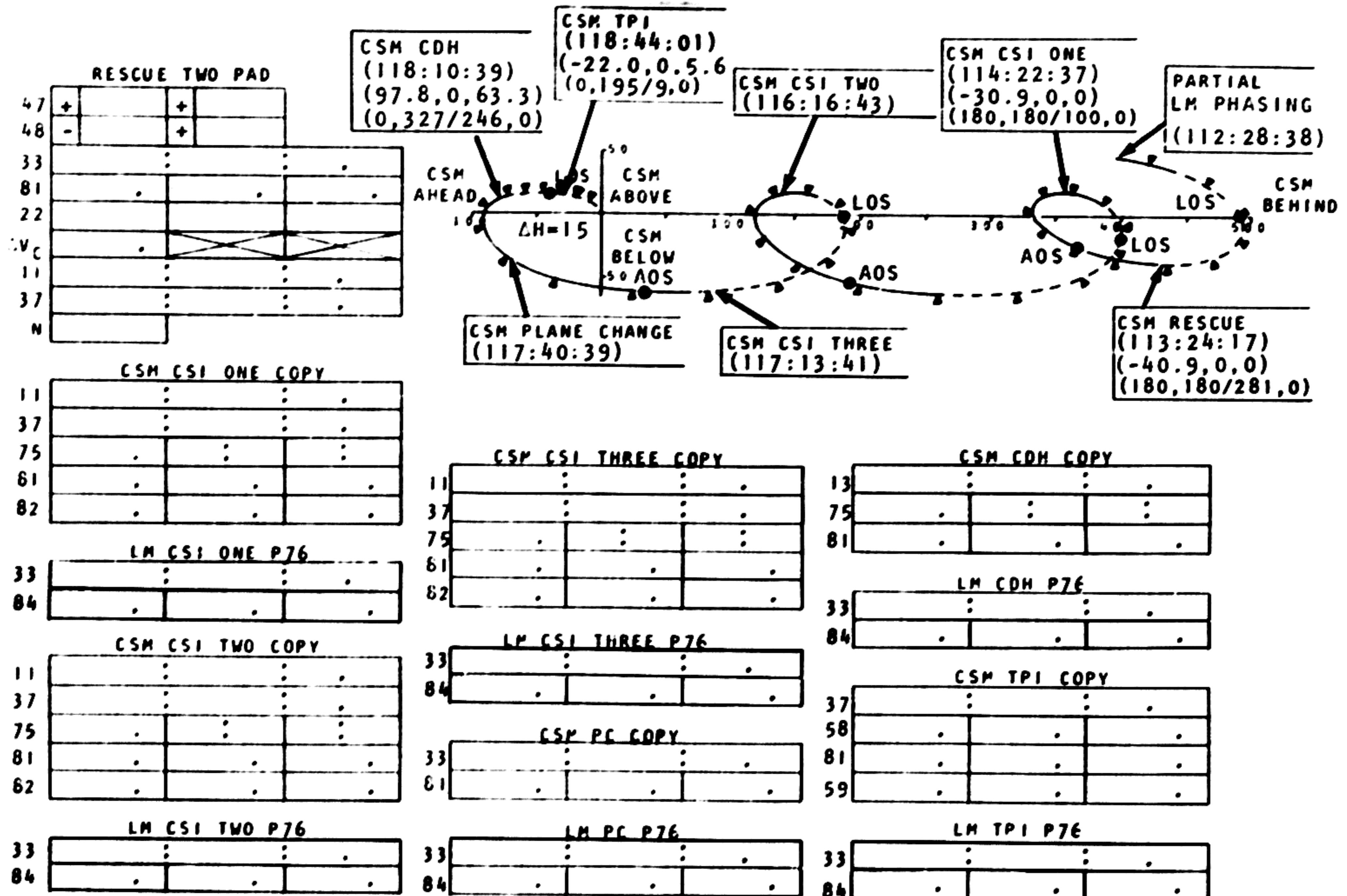
CSF RESUME MODE



NO PDI, +12
(LM)

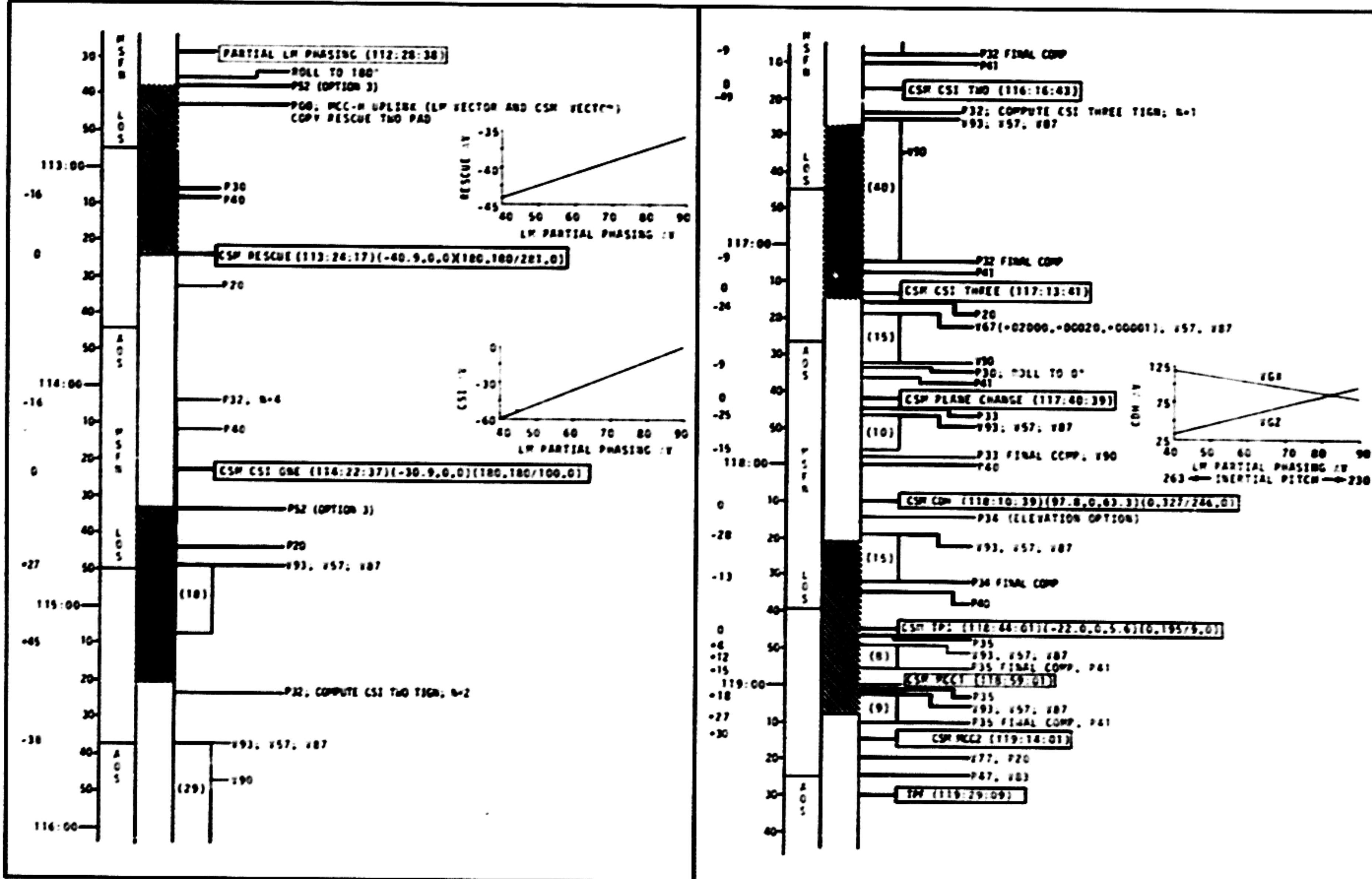


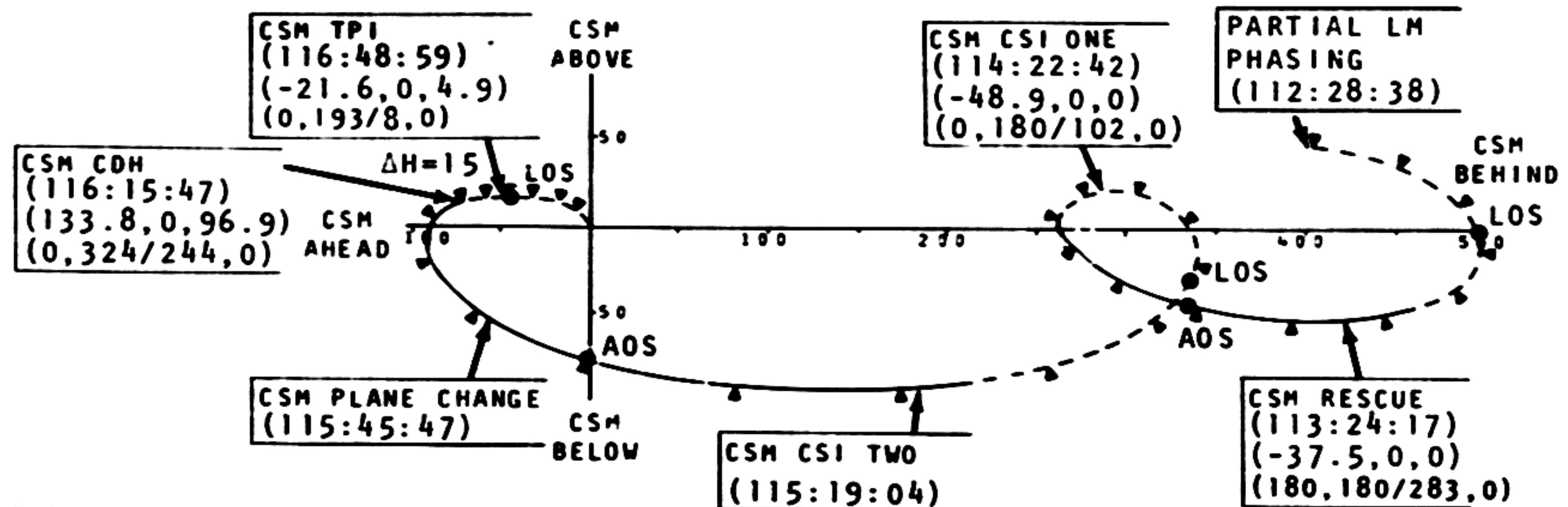
<40 NO PDI₂+12
(CSM)



SOURCE MOSEL
DATE 80 OCT. 14, 1969

CSM RESCUE BOOK





RESCUE TWO PAD			
47	+	+	
48	-	+	
33	:	:	.
81	.	.	.
22			
V			
11			
37			
N			

CSM CSI TWO COPY			
11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

CSM CDH COPY			
13	:	:	.
75	.	:	:
81	.	.	.

LM CDH P76			
33	:	:	.
84	.	.	.

CSM TPI COPY			
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

LP CSI TWO P76			
33	:	:	.
84	.	.	.

CSM PC COPY			
33	:	:	.
81	.	.	.

LM TPI P76			
33	:	:	.
84	.	.	.

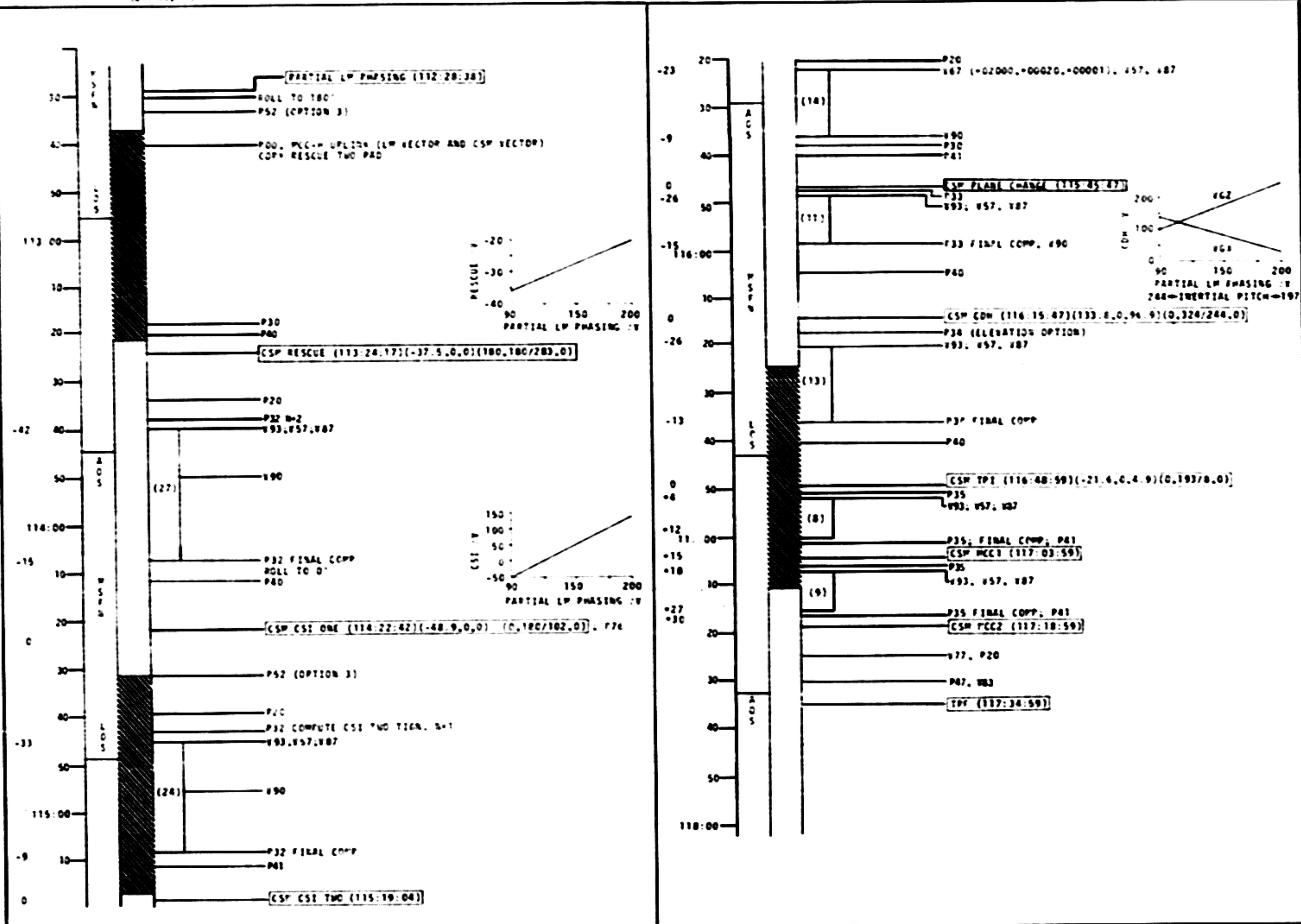
LM PC P76			
33	:	:	.
84	.	.	.

CSM CSI ONE COPY			
11	:	:	.
37	:	:	.
75	.	:	:
81	.	.	.
82	.	.	.

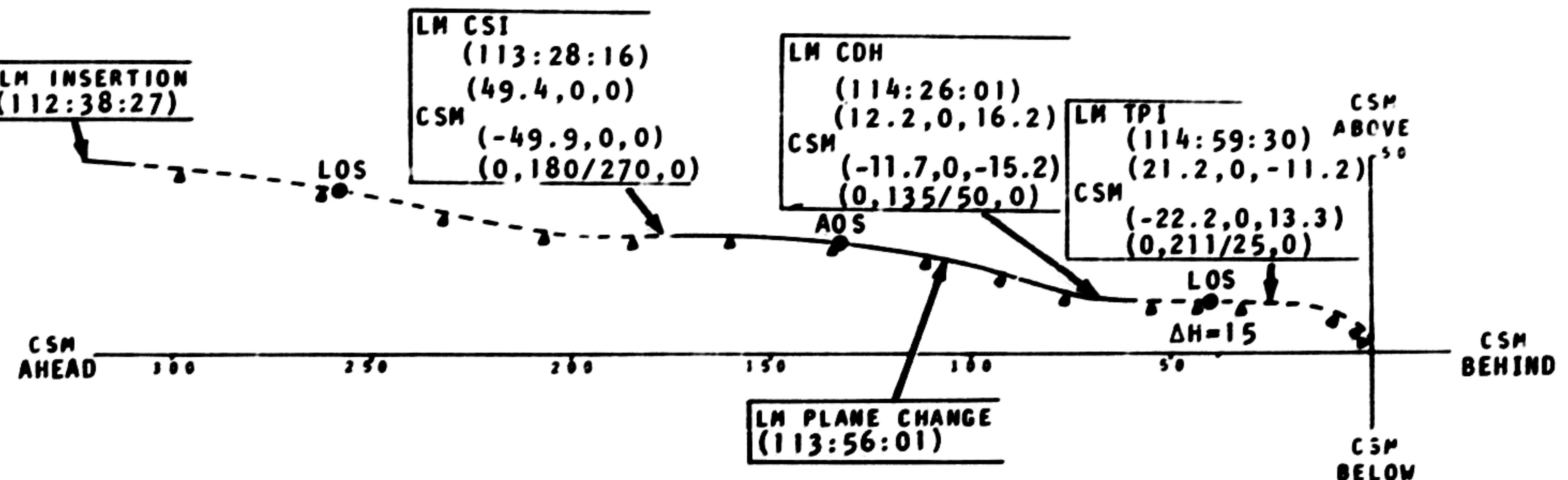
LM CSI ONE P76			
33	:	:	.
84	.	.	.

SOURCE MOSEL
DATE BD OCT. 14, 1969

CSM RESCUE BOOK



**≥ 90 NO PDI₂+12
(CSM)**



CSM CSI COPY			
11	:	:	.
37	:	:	:
75	.	:	:
81	.	.	.
82	.	.	.

LM CSI P76			
33	:	:	.
84	.	.	.

CSM PC COPY			
33	:	:	.
81	.	.	.

LM PC P76			
33	:	:	.
84	.	.	.

CSM CDH COPY			
13	:	:	.
75	.	:	.
81	.	.	.

LM CDH P76			
33	:	:	.
84	.	.	.

CSM TPI			
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

LM TPI P76			
33	:	:	.
84	.	.	.

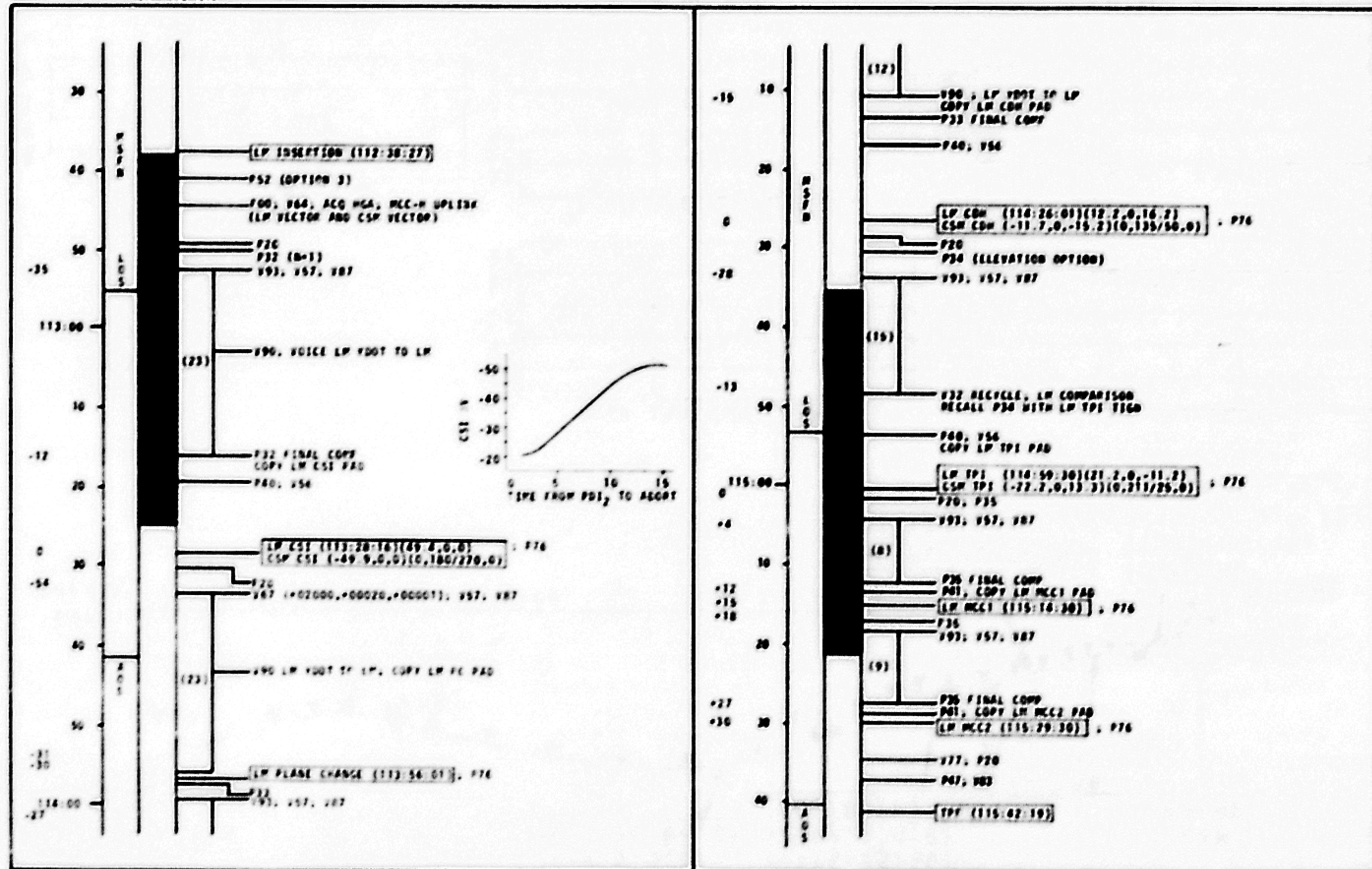
SOURCE: MOSEL
DATE BD OCT. 14, 1969

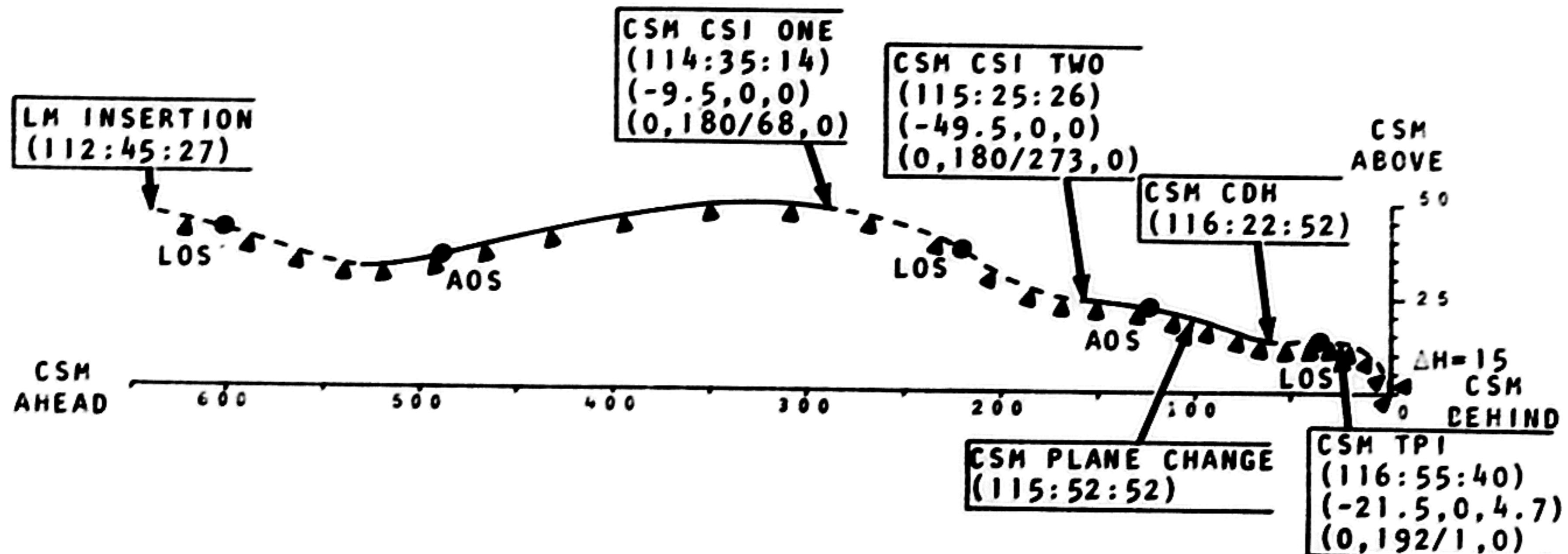
CSM RESCUE BOOK

SOURCE MODEL
OCT. 14, 1969

CASE 14 PDI₂ <16:30 VARIABLE INSERTION(LP ACTIVE) (CHECKLIST FOR PDI₂ >16 ABORT)

CSP RESUME DATA





SOURCE MOSEL

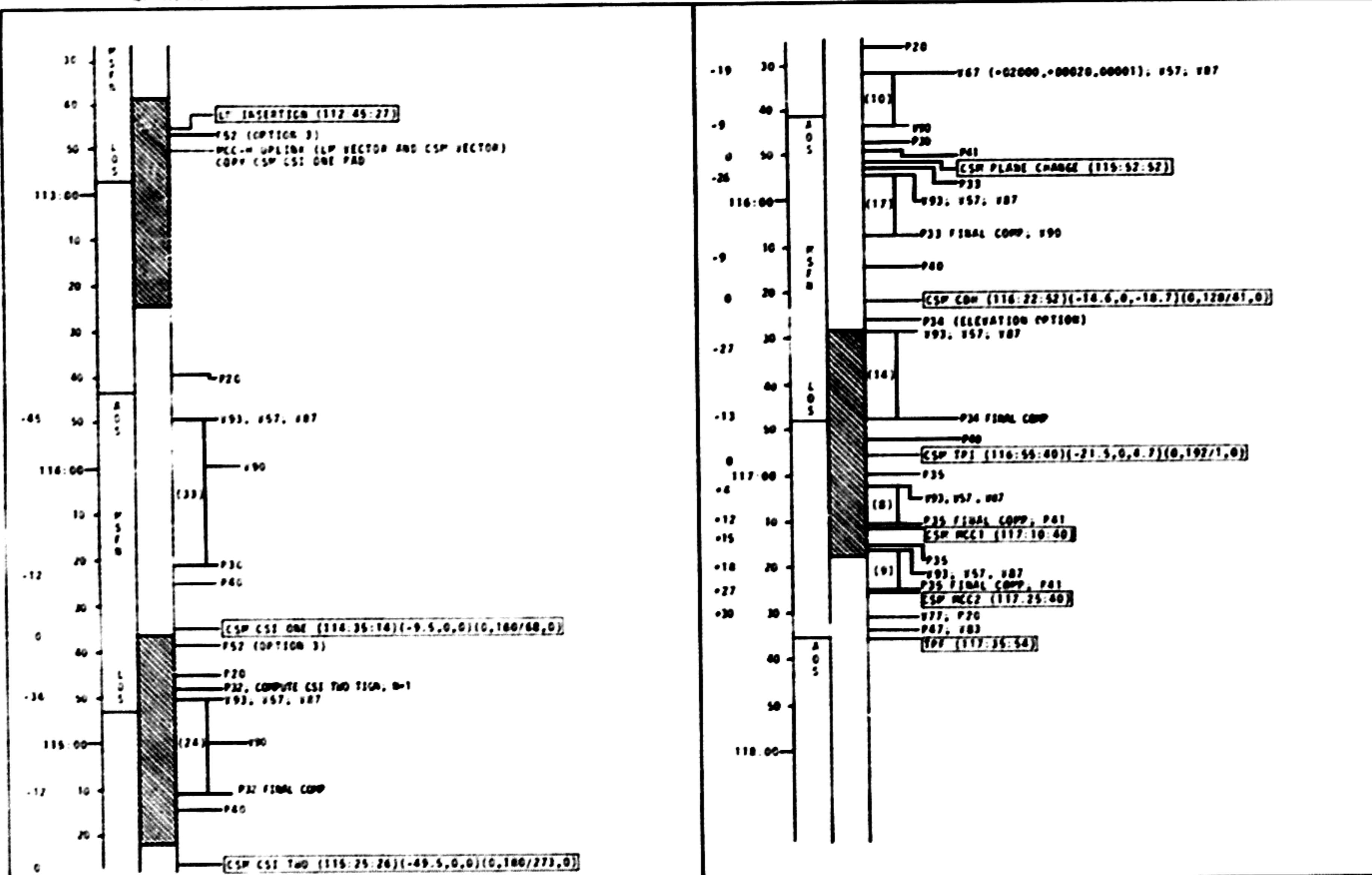
DATE BD OCT. 14, 1969

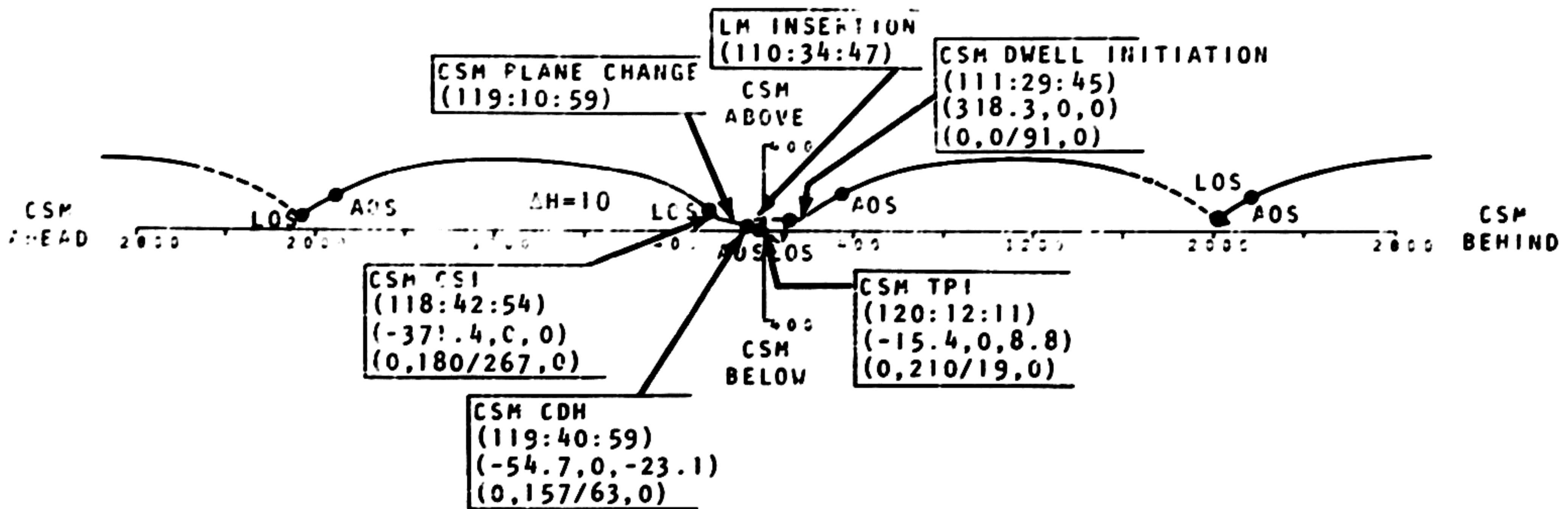
CSM RESCUE BOOK

SOURCE POSIL
DET 14, 1969

CASE 15 PDI₂ +19:22 PREFERRED LIFTOFF(T₀)(CSM ACTIVE)

CSM RESCUE BOOK





CSM DWELL INITIATION PAD

47	+	+	
48	-	+	
33	:	:	.
81	.	.	.
22	.	.	.
V	.	.	.
C	.	.	.
11	:	:	.
37	:	:	.
N			
CSM CSI COPY			
11	:	:	.
37	:	:	.
75	.	:	.
61	.	.	.
82	.	.	.

33	LM CSI P76
84	:
CSM PC COPY	
33	:
84	.
LM FC P76	
33	:
84	.
CSM CDH COPY	
13	:
75	.
61	.

33	LM CDH P76
84	:
CSM TPI COPY	
37	:
58	.
81	.
59	.
LM TPI P76	
33	:
84	.



SOURCE: MOSEL
DATE DD OCT. 14, 1969



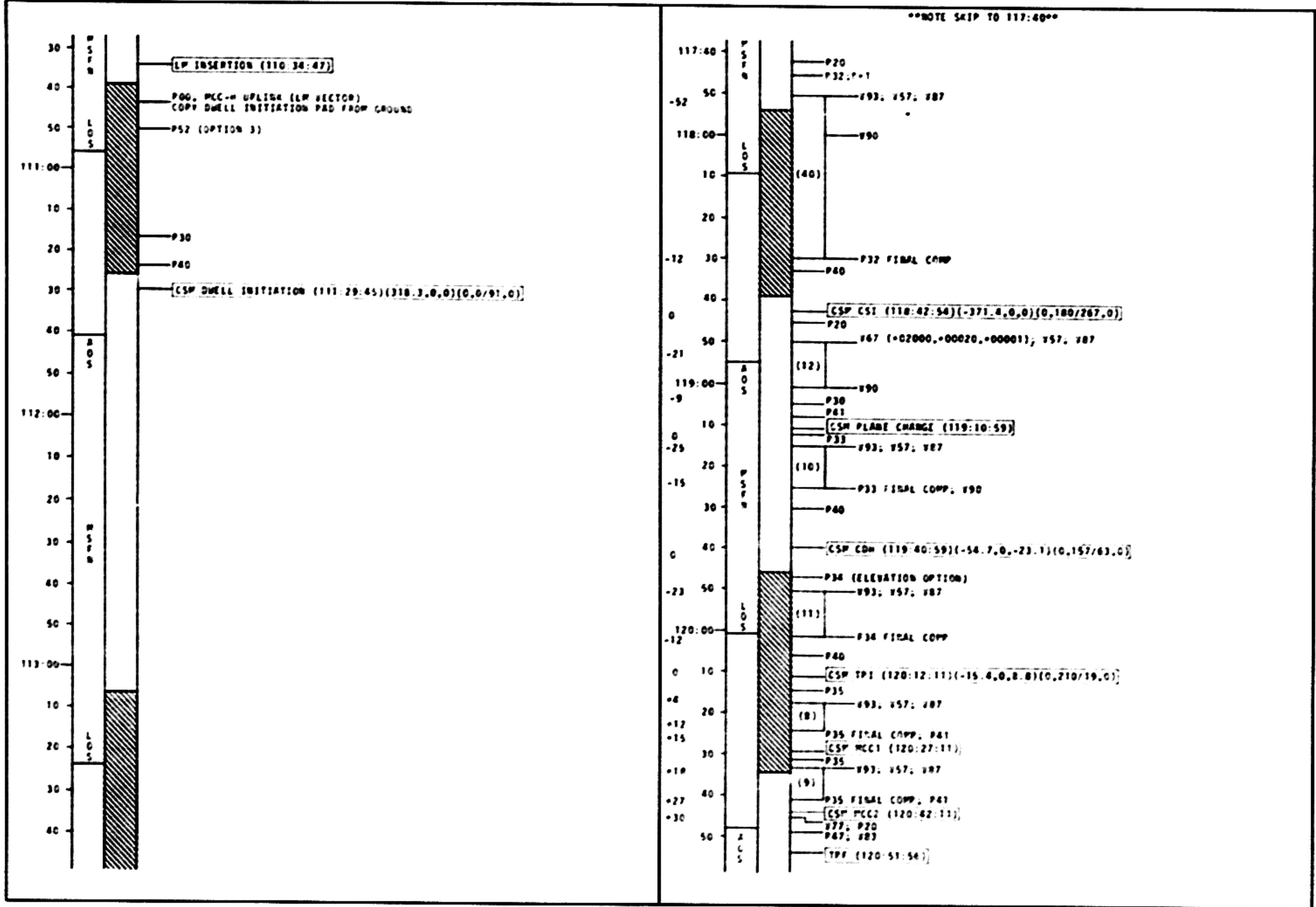
CSM RESCUE BOOK



SOURCE POSSEL
OCT. 14, 1969

CASE 16 CONTINGENCY INSERTION ORBIT(CSM ACTIVE) (CHECKLIST FOR 10X10 LP ORBIT)

CSM RESCUE BOOK



CONT. INSERT.
ORBIT(CSM)

CSM RESCUE PHASING
(144:05:19)
(257.4, 0, 0)
(0, 0/260, 0)

CSM AHEAD

1400 1200 1000

LM PHASING P76
 33 : : .
 84 . . .

LM INSERTION
(142:20:58)

AOS

LOS

CSM CSI ONE
(146:24:05)

AOS

LOS

CSM CSI TWO
(147:33:22)
(-35.1, 0, 0)
(0, 180/258, 0)

CSM ABOVE

150
100
50 LH=15
CSM BEHIND

CSM PLANE CHANGE
(148:11:24)

CSM TPI
(149:13:41)
(-21.1, 0, -1.8)
(0, 175/332, 0)

CSM BELOW

33 : : .
 84 . . .

CSM CDH COPY

47	+	+	
48	-	+	
33	:	:	.
81	.	.	.
22			
V C	.	X	X
11	:	:	.
37	:	:	.
81			

CSM CSI ONE PAD

33 : : .
 81 . . .

CSM CSI TWO COPY

11	:	:	.
37	:	:	.
75	.	:	.
81	.	.	.
82	.	.	.

LM CSI TWO P76

33	:	:	.
84	.	.	.

CSM PC COPY

33	:	:	.
81	.	.	.

LM PC P76

33	:	:	.
84	.	.	.

CSM TPI COPY

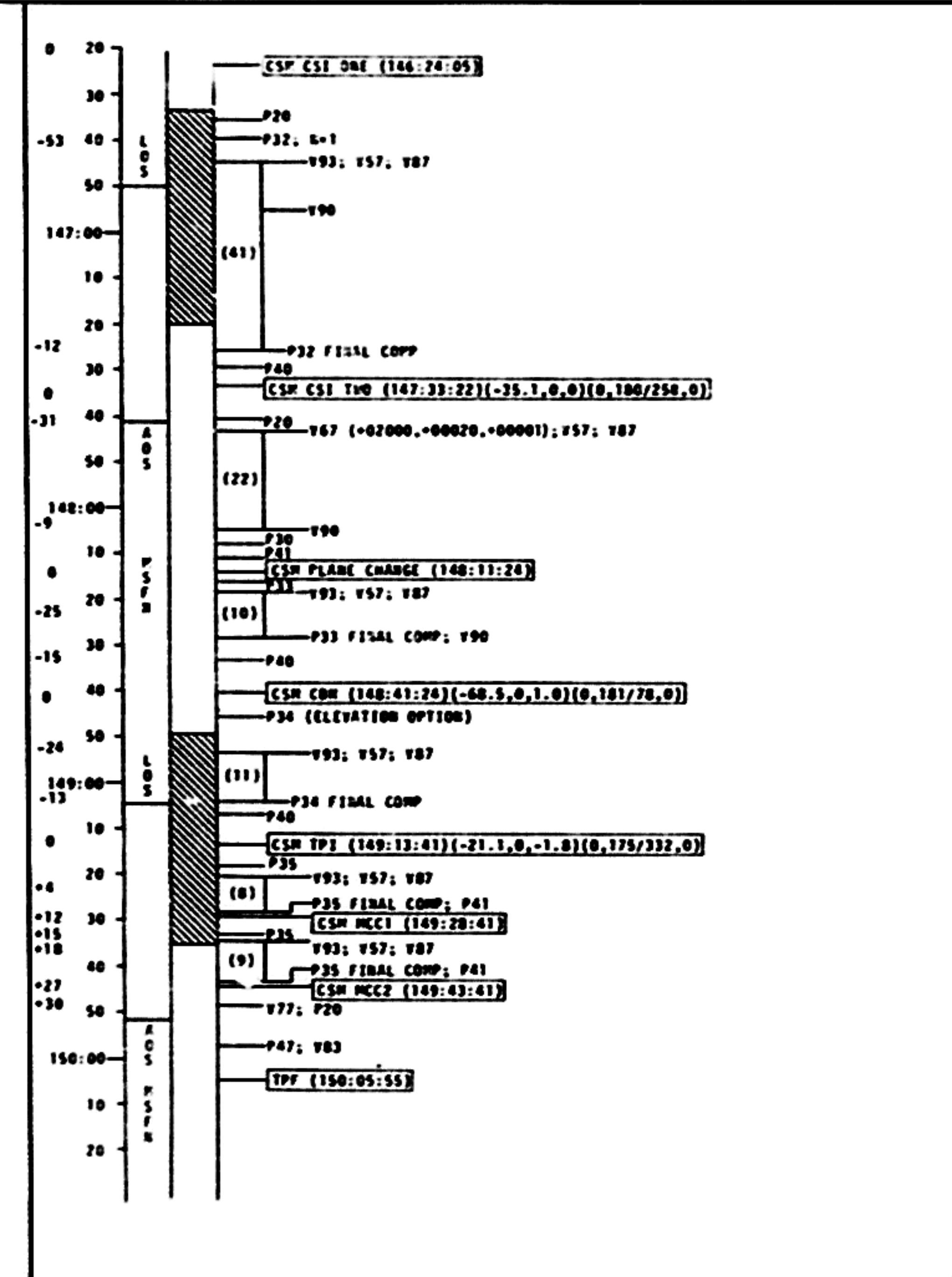
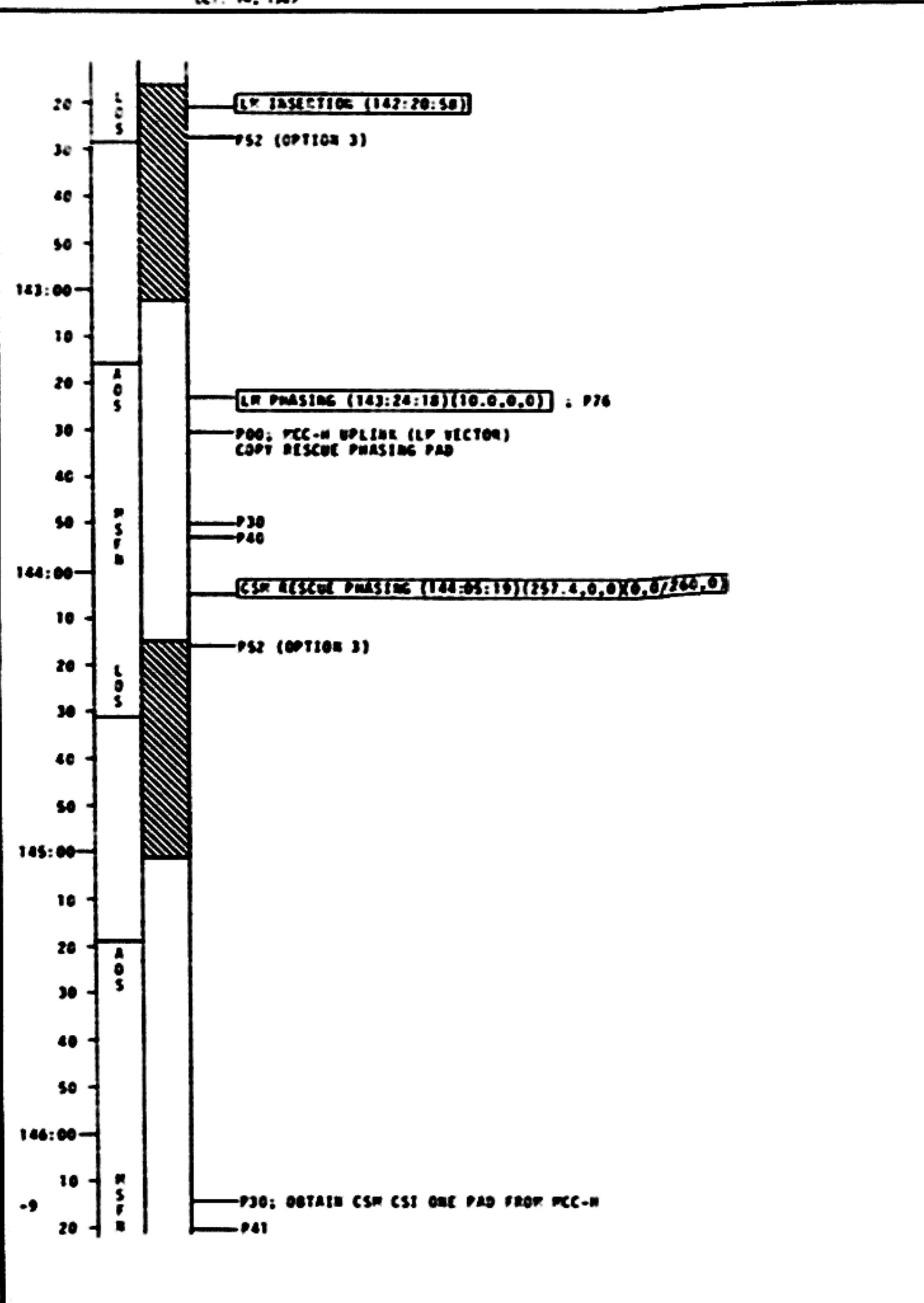
37	:	:	.
58	.	.	.
81	.	.	.
59	.	.	.

LM TPI P76

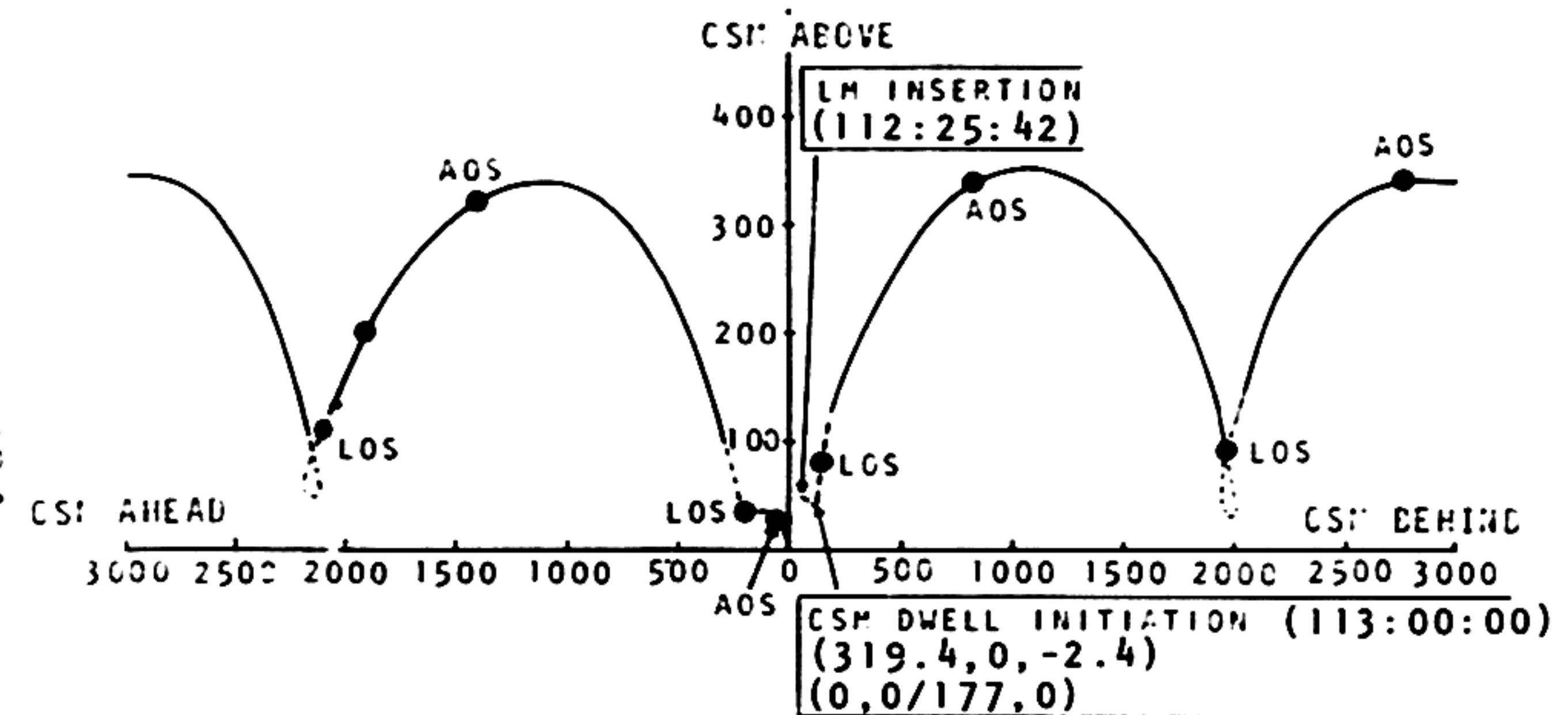
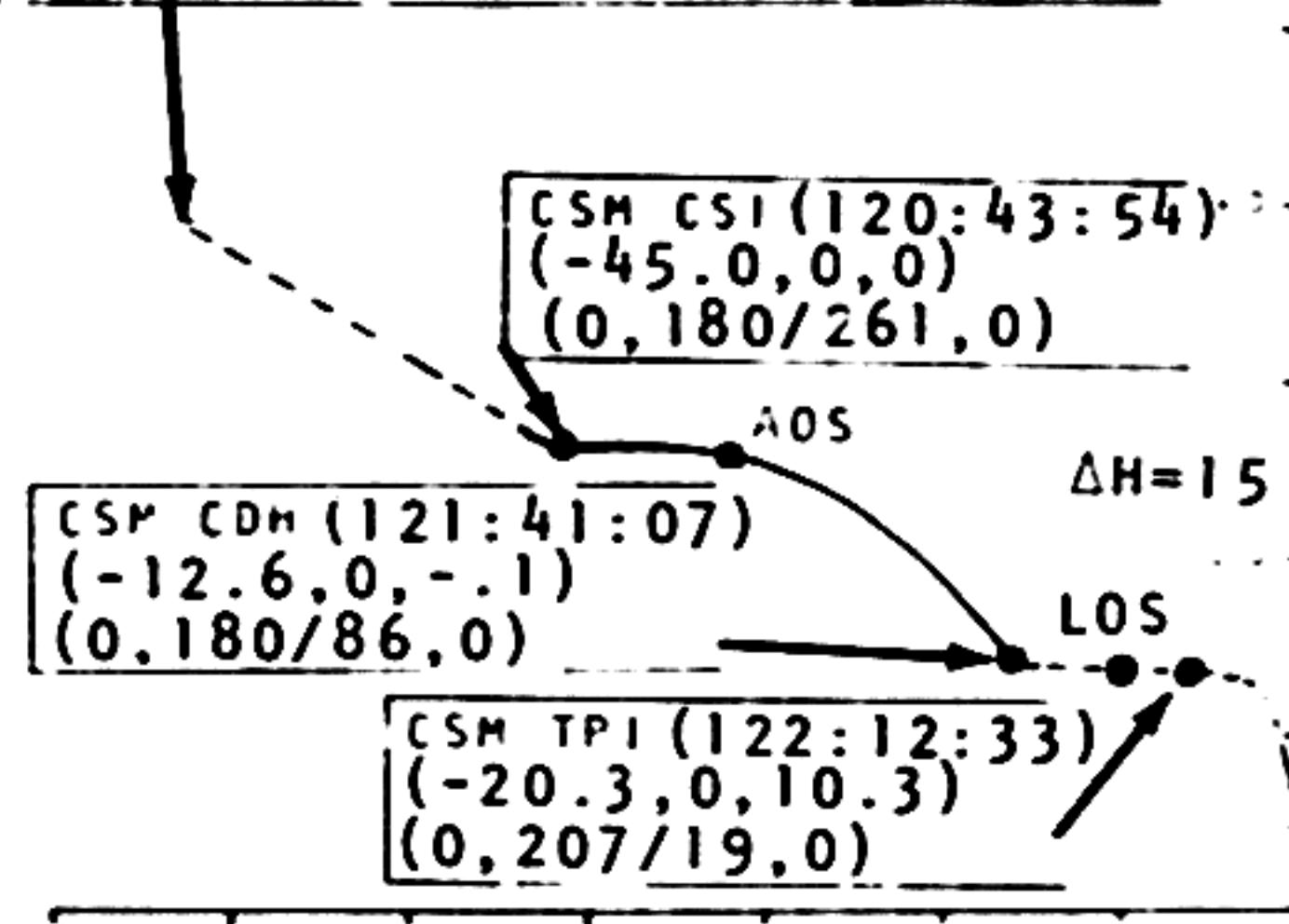
33	:	:	.
84	.	.	.

SOURCE MOSEL
 DATE OCT. 14, 1969

CSM RESCUE BOOK



CSM DWELL TERMINATION (120:13:53)
 (-330.3, 0, 9.5)
 (0, 182/355, 0)



CSM DWELL INITIATION PAD			
+	+		
-	+		
.	.	.	.
81	.	.	.
22	.	.	.
60	X	X	X
11	.	.	.
37	.	.	.
10			

CSM DWELL TERMINATION PAD			
+	+		
-	+		
.	.	.	.
33	.	.	.
51	.	.	.
22	X	X	X
11	.	.	.
37	.	.	.
10			

CSM CSI COPY			
11	.	.	.
37	.	.	.
75	.	.	.
61	.	.	.
82	.	.	.

LM CSI P76			
33	.	.	.
84	.	.	.

CSM FC COPY			
33	.	.	.
51	.	.	.

LM FC P76			
33	.	.	.
84	.	.	.

CSM CDH COPY			
13	.	.	.
75	.	.	.
61	.	.	.

LM CDH P76

33	.	.	.
64	.	.	.

CSM TPI COPY			
37	.	.	.
58	.	.	.
81	.	.	.
59	.	.	.

LM TPI P76			
33	.	.	.
84	.	.	.

SOURCE NOSEL
 DATE

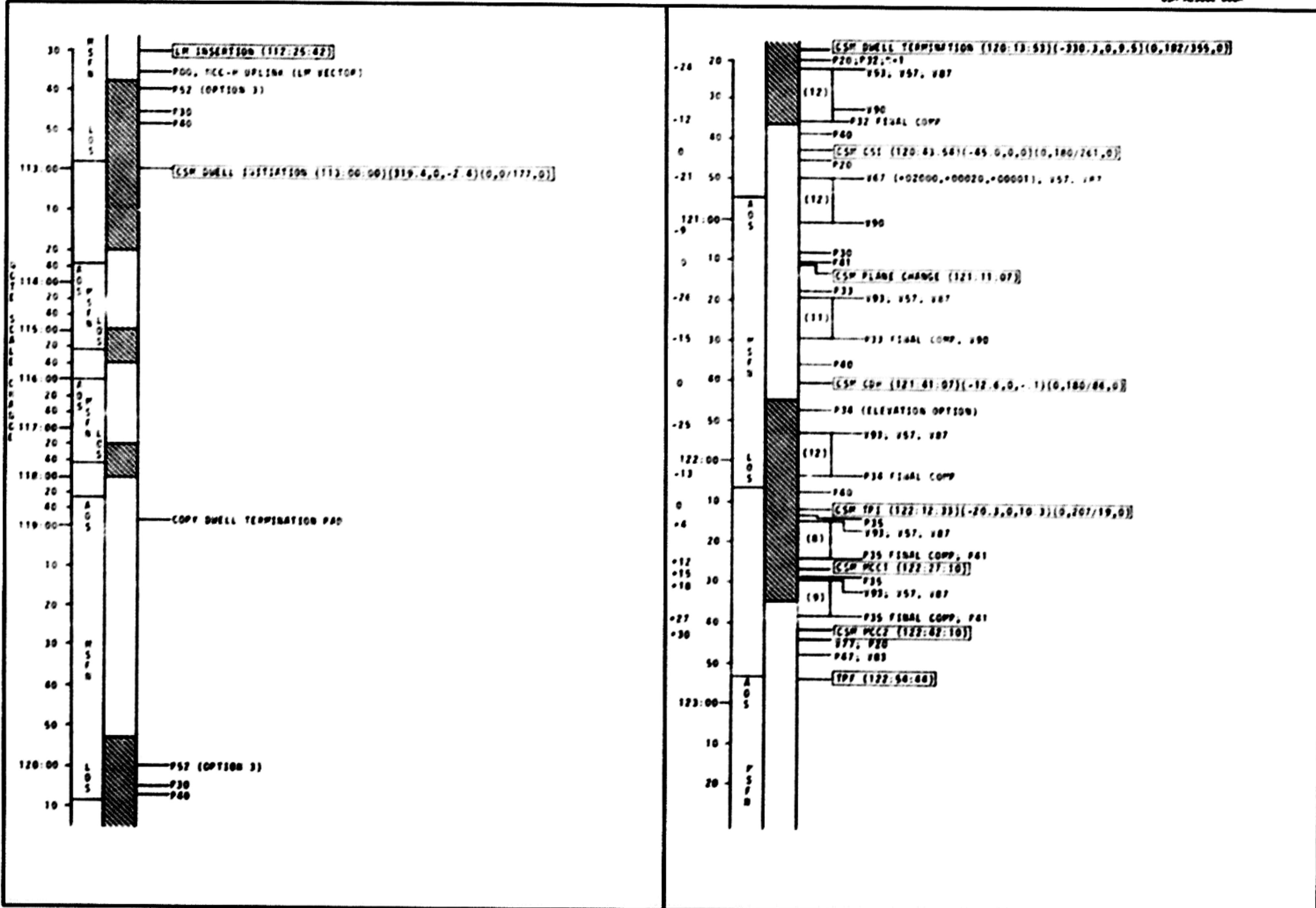
OCT. 14, 1969

CSM RESCUE BOOK

SOURCE POSEL
OCT. 14, 1969

CASE 10 ANYTIME LIFTOFF(CSM ACTIVE)(CHECKLIST FOR CSM 15 SEC PRIOR TO LANDING SITE AT LIFTOFF)

CSM RESCUE BOOK



DATE NOVEMBER 3, 1969

APOLLO 12

FLIGHT DATA FILE

