



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

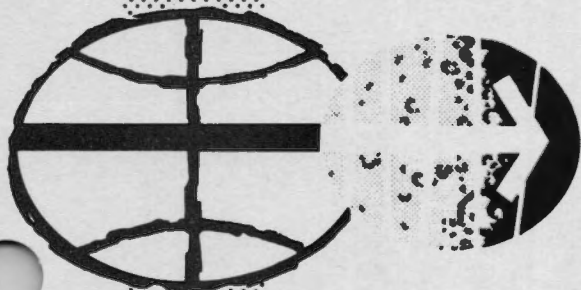
APOLLO 17

DECEMBER 7 LAUNCH

DO NOT DISCARD
THIS COPY BASELINE
FOR ALL LAUNCH DATES

CHANGE AA (T+24)
**CSM LAUNCH
CHECKLIST**

PREPARED BY
FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION



MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

NOVEMBER 22, 1972

APOLLO 17
CSM LAUNCH CHECKLIST

NOVEMBER 22, 1972

PREPARED BY: Dennis L. Bentley
DENNIS L. BENTLEY
BOOK MANAGER

APPROVED BY: Paul C. Kramer
PAUL C. KRAMER, CHIEF
FLIGHT PROCEDURES BRANCH
CREW PROCEDURES DIVISION

It is requested that any organization having comments, questions, or suggestions concerning this document contact Dennis L. Bentley, Flight Procedures Branch, CG42, Building 4, room 256, telephone 483-3291.

This document is under the configuration control of the Crew Procedures Control Board (CPCB). All proposed changes should be submitted to the Apollo Flight Data File Manager, T. W. Holloway, CG5, Building 4, room 230, telephone 483-4271.

Distribution of this document is controlled by Flight Data File Manager, T. W. Holloway, Flight Planning Branch, Crew Procedures Division.

CSM LAUNCH CHECKLIST

DECEMBER 7 LAUNCH (T+24)

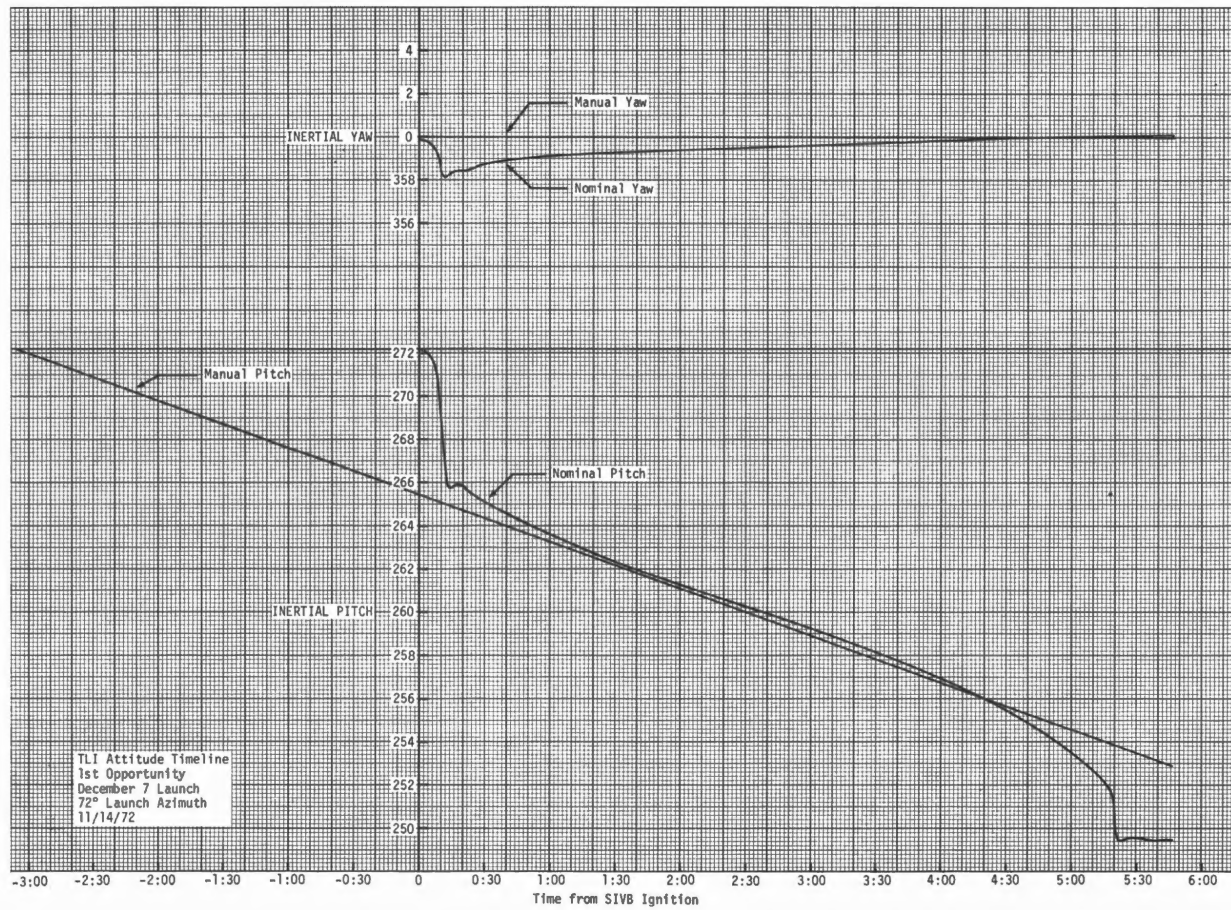
LIST OF EFFECTIVE PAGES

Basic 9/4/72
 Change A 10/11/72
 Change B 11/14/72
 Change AA 11/22/72 (12/7,T+24)

PAGE	DATE
*i	11/22/72 (12/7,T+24)
ii thru iii	(12/6, T=0)
1-1 thru 1-15	(12/6, T=0)
2-1 thru 2-22	(12/6, T=0)
*2-23	11/22/72(1st & 2nd Opp)
*2-24	11/22/72(1st & 2nd Opp)
*2-25	11/22/72(1st & 2nd Opp)
*2-26	11/22/72(1st & 2nd Opp)
*2-26A	11/22/72(0 Opp)
*2-26B	11/22/72(0 Opp)
2-27 thru 2-31	(12/6, T=0)
3-1 thru 3-7	(12/6, T=0)
4-1 thru 4-16	(12/6, T=0)
5-1 thru 5-12	(12/6, T=0)
6-1 thru 6-10	(12/6, T=0)
7-1 thru 7-8	(12/6, T=0)
8-1 thru 8-11	(12/6, T=0)
9-1 thru 9-5	(12/6, T=0)
EMER/1-1	(SYS C/L)

*Current Change

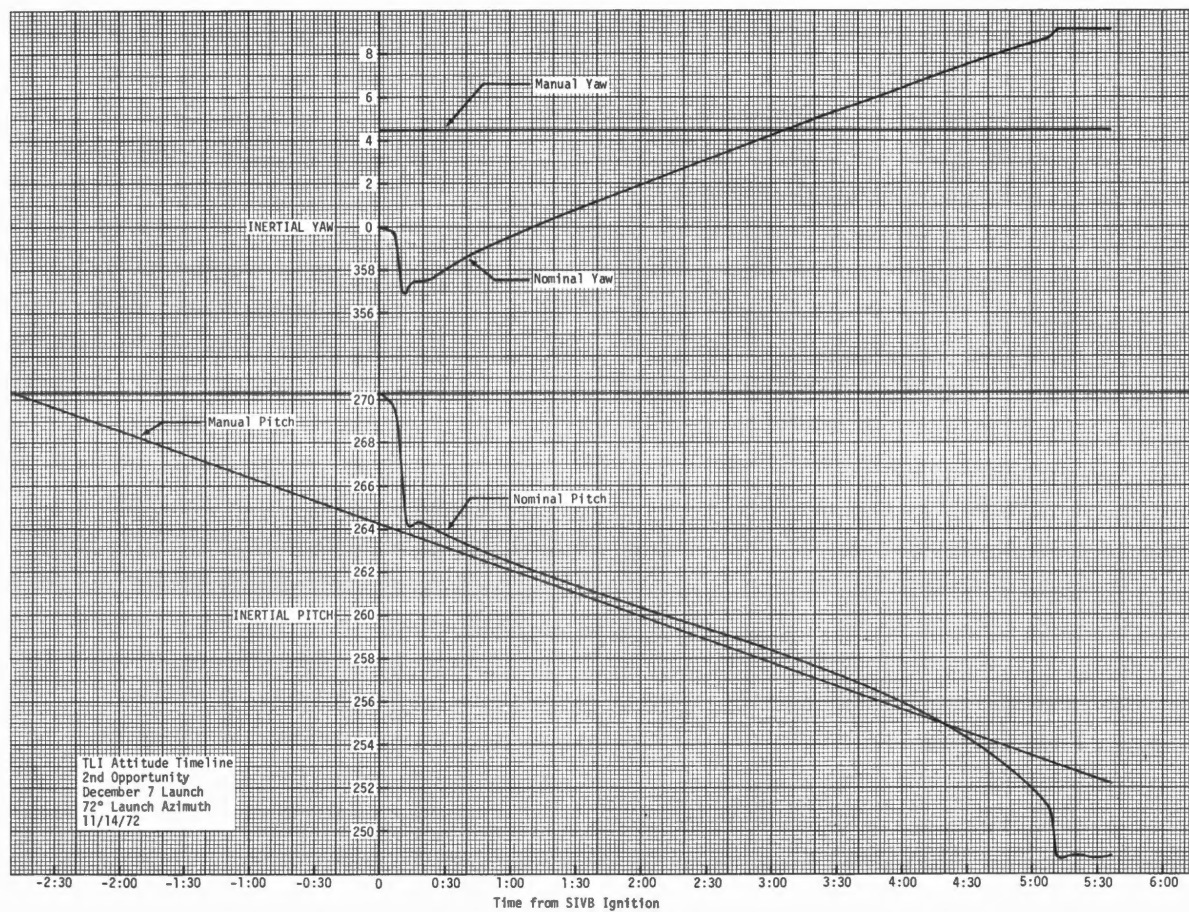
DATE 11/22/72



2-23

TL1 ATT TIMELINE
OPP 1

TL1 ATT TIMELINE OPP 2



DATE 11/22/72

COLOR

2-24

DATE 11/22/72

NOMINAL SIVB TLI 1

DEC 7 LAUNCH

11/22/72

DET	θ	ψ	VI	$\dot{H}$	H
0:00	272	359.9	25605	-4	97
:30	265	358.7	26156	-15	97
1	264	359.1	26765	5	97
1:30	262	359.3	27401	77	97
2	261	359.4	28159	209	98
2:30	260	359.5	28964	418	99
3	259	359.6	29813	713	102
3:30	258	359.7	30710	1102	106
4	257	359.8	31661	1593	113
4:30	255	359.9	32674	2196	122
5	253	0.0	33759	2914	135
5:30	250	0.1	34933	3734	151
5:47	249	0.1	35648	4255	163

MANUAL SIVB TLI 1

DEC 7 LAUNCH

11/22/72

DET	θ	ψ	VI	$\dot{H}$	H
0:00	265.5	0	25605	-4	97
:30	264.4	0	26156	-15	97
1	263.3	0	26765	5	97
1:30	262.2	0	27401	77	97
2	261.1	0	28159	209	98
2:30	260.0	0	28964	418	99
3	258.9	0	29813	713	102
3:30	257.8	0	30710	1102	106
4	256.7	0	31661	1593	113
4:30	255.6	0	32674	2196	122
5	254.6	0	33759	2914	135
5:30	253.5	0	34933	3734	151
5:47	252.2	0	35648	4255	163

2-25
L

TL1 TRAJECTORY
OPP 1 NOM & MAN

TL1 TRAJECTORY
OPP 2 NOM & MAN

NOMINAL SIVB TL1 2

DEC 7 LAUNCH

11/22/72

DET	Θ	Ψ	VI	$\dot{H}$	H
0:00	270	359.9	25600	-5	98
:30	264	358.0	26225	-15	98
1	262	359.5	26931	15	98
1:30	261	0.8	27674	110	99
2	260	2.0	28455	278	100
2:30	259	3.1	29276	529	102
3	258	4.3	30141	869	105
3:30	257	5.4	31055	1308	110
4	256	6.4	32026	1855	118
4:30	254	7.5	33060	2514	129
5	252	8.5	34167	3290	143
5:30	249	9.1	35365	4160	161
5:36	249	9.1	35629	4361	166

MANUAL SIVB TL1 2

DEC 7 LAUNCH

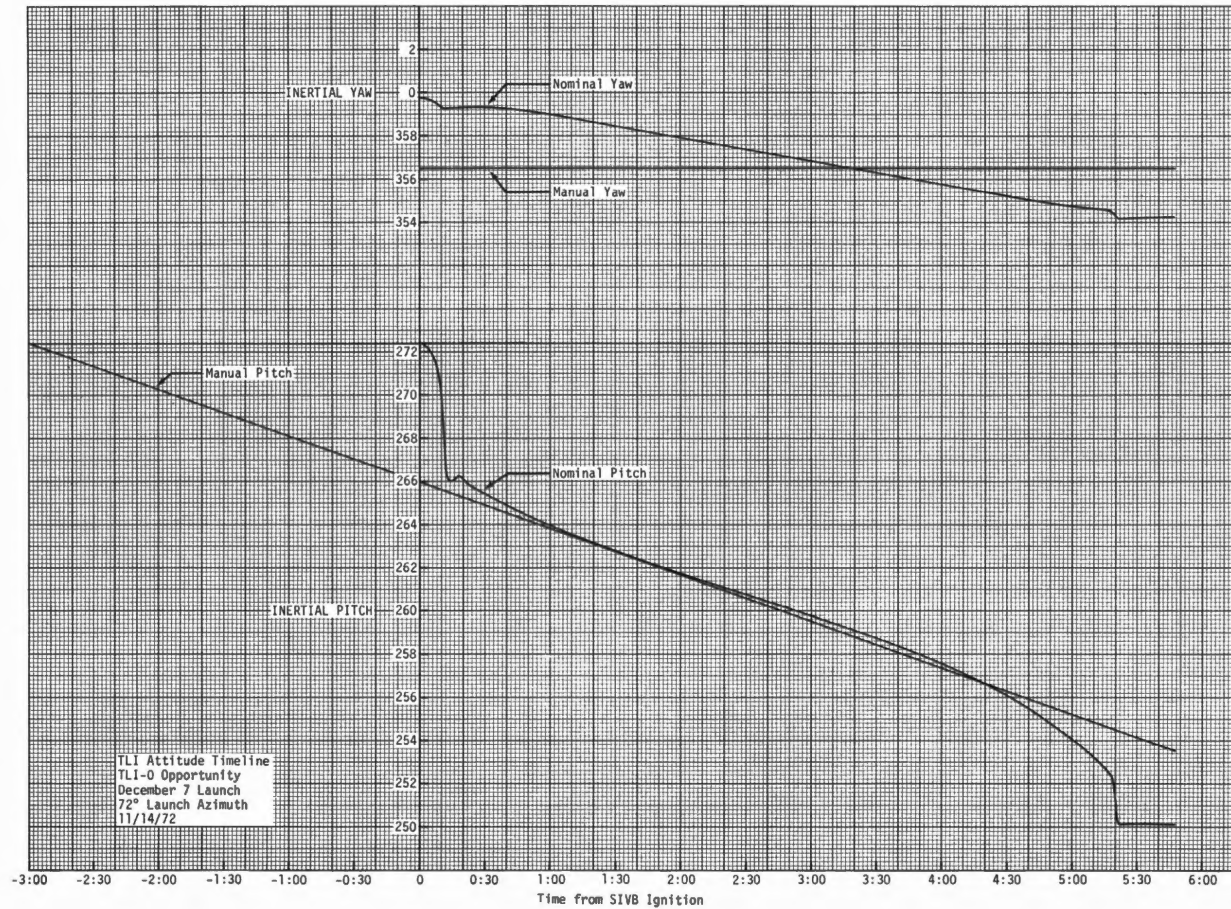
11/22/72

DET	Θ	Ψ	VI	$\dot{H}$	H
0:00	264.2	4.5	25600	-5	98
:30	263.2	4.5	26225	-15	98
1	262.1	4.5	26931	15	98
1:30	261.0	4.5	27674	110	99
2	259.9	4.5	28455	278	100
2:30	258.8	4.5	29276	529	102
3	257.8	4.5	30141	869	105
3:30	256.7	4.5	31055	1308	110
4	255.6	4.5	32026	1855	118
4:30	254.5	4.5	33060	2514	129
5	253.4	4.5	34167	3290	143
5:30	252.4	4.5	35365	4160	161
5:36	252.2	4.5	35629	4361	166

2-26
L

DATE 11/22/72

DATE 11/22/72



2-26A

TL1 ATT TIMELINE
OPP 0

TL1 TRAJECTORY
OPP 0 NOM & MAN

NOMINAL SIVB TL1 0

DEC 7 LAUNCH(T+24) 11/22/72

DET	Θ	Ψ	VI	$\dot{H}$	H
0:00	272	359.7	25610	-3	95
:30	266	359.3	26161	-13	95
1	264	359.0	26768	8	95
1:30	263	358.5	27402	82	95
2	262	357.9	28160	216	96
2:30	261	357.4	28965	429	98
3	260	356.8	29813	727	100
3:30	259	356.3	30709	1121	105
4	258	355.7	31658	1617	112
4:30	256	355.2	32668	2225	121
5	254	354.7	33748	2948	134
5:30	250	354.2	34917	3774	150
5:47	250	354.2	35642	4307	162

MANUAL SIVB TL1 0

DEC 7 LAUNCH(T+24) 11/22/72

DET	Θ	Ψ	VI	$\dot{H}$	H
0:00	266.0	356.5	25610	-3	95
:30	264.9	356.5	26161	-13	95
1	263.8	356.5	26768	8	95
1:30	262.8	356.5	27402	82	95
2	261.7	356.5	28160	216	96
2:30	260.6	356.5	28965	429	98
3	259.5	356.5	29813	727	100
3:30	258.4	356.5	30709	1121	105
4	257.4	356.5	31658	1617	112
4:30	256.3	356.5	32668	2225	121
5	255.2	356.5	33748	2948	134
5:30	254.1	356.5	34917	3774	150
5:47	253.6	356.5	35642	4307	162

2-268

DATE 11/22/72

NASA — MSC