

Launches By Year, 1955-1970

RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR*

CALENDAR YEAR 1955

X-17 RTV (Re-entry Test Vehicle) (WS-107A) Program - 5

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
H-3	30 Jun 55	Pad 3	Classified and program cancelled historical.
H-2	14 Jul 55	" "	Reentry vehicle research and development program for Atlas (WS-107A).
D-1	26 Aug 55	" "	
D-2	23 Sep 55	" "	
D-3	1 Dec 55	" "	

- *NOTE: 1) Initial phase of this R&D program under jurisdiction of the Air Force Missile Test Center (AFMTC), and was reassigned to the Western Development Division (WDD) Liaison Office in June 1955.
- 2) These launches under technical direction of WDD Liaison Office, PAFB.

TOTAL LAUNCHES CY 1955: 5 (4 launches by AFMTC)
By 6555th ATW

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CALENDAR YEAR 1956

X-17 RTV (Re-entry Test Vehicle) (WS-107A) Program - 20

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
D-4	20 Jan 56	Pad 3	Glassified AF program - see Wing histories.
D-5	5 Mar 56	" "	<i>See 1455 entry.</i>
R-1	17 Apr 56	" "	
D-6A	26 Jun 56	" "	
R-2 4203-3	17 Jul	" "	
R-3 4203-4	27 Jul 56	" "	
R-4 4203-2	18 Aug 56	" "	
R-5 4203-5	23 Aug 56	" "	
4203-6	28 Aug 56	" "	
R-7 4203-7	8 Sep 56	" "	
R-8 4203-8	1 Oct 56	" "	
R-9 4203-9	5 Oct 56	" "	
R-10 4203-10	13 Oct 56	" "	
R-11 4203-11	18 Oct 56	" "	
R-12 4203-12	25 Oct 56	" "	
R-13 4203-13	5 Nov 56	" "	
R-14 4203-14	16 Nov 56	" "	
R-15 4203-15	23 Nov 56	" "	
R-16 4203-16	3 Dec 56	" "	
R-17 4203-17	11 Dec 56	" "	

TOTAL LAUNCHES CY 1956: 20

*These launches under technical direction of Western Development Division(WDD) Liaison Field Office.)

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR*

CALENDAR YEAR 1957THOR (SM-75) IRBM (Inter-Range Ballistic Missile) - 9

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
IRBM #101	25 Jan 57	Pad 17B	First Launch of THOR IREM. Classified AF program. See Wing Histories. <i>WS-313A R&D launch program.</i>
102 56-6752	19 Apr 57	Pad 17B	
103 56-6753	NOT A LAUNCH 21 May 57	Pad 17B	Exploded on launch pad five minutes before launch time.
104 56-6754	30 Aug 57	Pad 17A	
105 56-6755	20 Sep 57	Pad 17B	
107 56-6757	3 Oct 57	Pad 17A	
108 56-6758	11 Oct 57	Pad 17B	
109 56-6759	24 Oct 57	Pad 17A	
112 56-6783	7 Dec 57	Pad 17B	
113 56-6784	19 Dec 57	Pad 17A	

ATLAS (XSM-65)(WS 107A) ICBM (Inter-Continental Ballistic Missile) - 3

ICBM #4A	11 Jun 57	Pad 14	First Launch of an Atlas ICBM. Classi fied Air Force program See Wing histories. <i>Atlas R&D flight</i> <i>test program.</i>
6A	25 Sep 57	Pad 14	
12A	17 Dec 57	Pad 14	

Note: These launches under technical direction of Western Development Division(WDD)Field Office at the ETR.(In Jun 57 Western Development Div redesignated AF Ballistic Missile Division (AFBMD); in Dec 57 the AFBMD Field Office at PAFB FL redesignated Office of the Assistant Commander for Missile Tests, AFBMD.)

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CY 1957 CONTINUED~~FOR OFFICIAL USE ONLY~~

X-

17 RTV (Re-entry Test Vehicle)- WS 107A Program - 9

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
R-13 4203-18	8 Jan 57	Pad 3	Classified AF program. See Wing histories.
R-19 4203-19	15 Jan 57	" "	<i>See 1955 entry</i>
R-20 4203-20	29 Jan 57	" "	
R-21 4203-21	7 Feb 57	" "	
R-22 4203-22	14 Feb 57	" "	
R-23 4203-23	1 Mar 57	" "	
R-24 4203-A3	11 Mar 57	" "	
R-25 4203-A4	21 Mar 57	" "	Final launch in program.
R-26	22 Aug 57	" "	Post Program Launch.

TOTAL LAUNCHES CY 1957: 21

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR*

FOR (SM-75) ProgramCALENDAR YEAR 1958

<u>Thor IRBM - 13</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
#114	23 Jan 58	Pad 17A	<i>Thor R&D program</i> Classified Air program -- See Wing's Historical Reports.
#120	28 Feb 58	Pad 17B	First Phase III test.
#121	19 Apr 58	Pad 17B	
#115	4 Jun 58	Pad 18B	
#122	13 Jun 58	Pad 17B	
#123	12 Jul 58	Pad 17B	
#126	26 Jul 58	Pad 17B	Last Phase III test.
#117	6 Aug 58	Pad 18B	Last Phase II test.
#138	5 Nov 58	Pad 17B	First Phase IV test.
#140	26 Nov 58	Pad 17B	
#145	5 Dec 58	Pad 18B	
#146	16 Dec 58	Pad 17B	
#149	30 Dec 58	Pad 18B	
<u>Thor - Space Booster - 6 -- (Launched by the Test Wing for USAF and NASA)</u>			
THOR-ABLE #116	23 Apr 58	Pad 17A	First Thor-Able launch. Objective not achieved. (USAF)
THOR-ABLE #118	9 Jul 58	Pad 17A	First re-entry vehicle to cover full ICBM range. Nose cone not recovered. (USAF)
THOR-ABLE #119	23 Jul 58	Pad 17A	Carried Vickie the mouse in nose -- n recovery. (USAF)
THOR-ABLE #127	17 Aug 58	Pad 17A	First lunar probe. Objective not achieved. (Pioneer) (USAF)
THOR-ABLE I #130	11 Oct 58	Pad 17A	2nd lunar probe - PIONEER I. Success. (NASA)
THOR-ABLE I #129	8 Nov 58	Pad 17A	3rd lunar probe - PIONEER II. 3rd stage did not ignite. (NASA)

Note: These launches under technical direction of Office of the Assistant Commander for Missile Tests, AFBMD. This group merged w/6555th Guided Missiles Group (Test and Evaluation) AFMTC, 21 Dec 1959, and redesignated 6555th Test Wing (Development); subsequently redesignated 6555th ATW.)

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CY 1958 CONTINUED
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IAS (XFM-65)(W0107A) Program

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
<u>ATLAS ICFM: - 13</u>			
#10A	10 Jan 58	Pad 12	Classified AF program. See wing histories.
#13A	7 Feb 58	Pad 14	
#11A	20 Feb 58	Pad 12	
#15A	5 Apr 58	Pad 14	
#16A	3 Jun 58	Pad 12	Last Series "A" test.
#3B	19 Jul 58	Pad 11	First Series "B" test.
#4B	2 Aug 58	Pad 13	
#5B	28 Aug 58	Pad 11	
#8B	14 Sep 58	Pad 14	
#6B	18 Sep 58	Pad 13	
#7B	17 Nov 58	Pad 11	
#12B	28 Nov 58	Pad 14	
#3C	23 Dec 58	Pad 12	First Series "C" test.
<u>ATLAS - Space Vehicle: - 1</u> -- (Launched by the Test Wing for DOD/ARPA)			
			Atlas Satellite --
#10B	18 Dec 58	Pad 11	Entire missile placed in earth orbit as PROJECT SCORE. Used to relay President's Christmas message. Booster and mission success. (Army Signal Corps Communication equipment.) (DOD/ARPA)

TOTAL LAUNCHES CY 1958: 33

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR *

CALENDAR YEAR 1959THOR(SM-75)(WS-115A)Program

<u>Thor IREM - 23</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
#154	30 Jan 59	Pad 17B	<i>Thor R&D program</i> Classified Air program See Wing Histories.
#158	21 Mar 59	Pad 18B	
#162	26 Mar 59	Pad 17B	
#176	23 Apr 59	Pad 17B	
#164	25 Apr 59	Pad 18B	
#187	12 May 59	Pad 17B	
#184	22 May 59	Pad 18B	
#198	25 Jun 59	Pad 18B	
#194	29 Jun 59	Pad 17B	
#202	21 Jul 59	Pad 17B	
#202	24 Jul 59	Pad 18B	
#208	5 Aug 59	Pad 17B	
#204	14 Aug 59	Pad 18B	
#216	27 Aug 59	Pad 17B	
#217	12 Sep 59	Pad 18B	
#222	22 Sep 59	Pad 17B	
#235	6 Oct 59	Pad 18B	
#221	13 Oct 59	Pad 17B	
#230	28 Oct 59	Pad 18B	
#238	3 Nov 59	Pad 17B	
#244	19 Nov 59	Pad 17B	
#254	1 Dec 59	Pad 18B	
	17 Dec 59	Pad 17B	

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THOR Launches-Cont'd)

(*Note: These launches under technical direction of Office of the Assistant Commander for Missile Tests, AFMTC. This group merged w/6555th Guided Miss Gp(Tst & Eval)AFMTC, 21 Dec 1959, & redesignated 6555th Tst Wg(Development); subsequently redesignated 6555 ATW.)

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CY 1959 CONTINUED

THOR (SM-75)(WS-115A) Program (Continued) -- (U AF/Tech; Launches for NASA; 10-10)

<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
<u>Thor - Space Boosters - 8</u>		
THOR-ABLE II 128 23 Jan 59	Pad 17A	First launch of Thor-Able II. (USAF)
THOR-ABLE II 131 28 Feb 59	Pad 17A	Objectives not met. (USAF)
THOR-ABLE II 132 21 Mar 59	Pad 17A	Met test objectives. Nose not recovered. (USAF)
THOR-ABLE II 133 8 Apr 59	Pad 17A	First recovery of ablating nose cone from intercontinental range. (USAF)
THOR-ABLE II 135 21 May 59	Pad 17A	Met test objectives. Nose cone recovered. (USAF)
THOR-ABLE II 137 11 Jun 59	Pad 17A	Last THOR-ABLE II. Nose cone not recovered. (USAF)
THOR-ABLE 3 134 7 Aug 59	Pad 17A	Placed EXPLORER VI paddlewheel satellite in earth orbit. (NASA)
THOR-ABLE 136 17 Sep 59	Pad 17A	TRANSIT 1A, navigational satellite. 3rd stage failed. Orbit not achieved. (ARPA)

ATLAS (XSM-65)(WS107-A) ProgramAtlas ICBM: - 20

#13B	15 Jan 59	Cx 14	AF classified program. See Wing Histories.
#4C	27 Jan 59	Cx 12	
#11B	4 Feb 59	Cx 11	
#5C	20 Feb 59	Cx 12	
#7C	18 Mar 59	Cx 12	
#3D	14 Apr 59	Cx 13	First Series "D" ICBM.
#7D	18 May 59	Cx 14	
#5D	6 Jun 59	Cx 13	
#8C	21 Jul 59	Cx 12	
#1D	28 Jul 59	Cx 11	
#14D	11 Aug 59	Cx 13	
#11C	24 Aug 59	Cx 12	

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CY 1959 - CONTINUED

(Atlas ICBMs - Cont'd)

ATLAS (XSM-65) (WM 107A) Program (Continued)~~FOR OFFICIAL USE ONLY~~Atlas ICBM (Cont'd)

#17D	16 Sep 59	Cx 13
#18D	6 Oct 59	Cx 11
#22D	9 Oct 59	Cx 13
#26D	29 Oct 59	Cx 11
#28D	4 Nov 59	Cx 13
#15D	24 Nov 59	Cx 13
#31D	8 Dec 59	Cx 13
#40D	18 Dec 59	Cx 13

Atlas - Space Booster - 2 (Launched by the Test Wing for NASA -- 2 launches only)

M-A Prototype 10D	9 Sep 59	Cx 14	First Mercury/Atlas Capsule (BIG JOE). Determine integrity of Mercury capsule for re-entry. Objective met. (NASA)
ATLAS-ABLE (Not a) 9C (Launch)	24 Sep 59	Cx 12	Destroyed on pad.
ATLAS-ABLE IV 20D	26 Nov 59	Cx 14	Attempted Moon-Orbit; not successful. (NASA)

TITAN (SM-68) ProgramTitan ICBM: - 6

A-3	6 Feb 59	Cx 15	First TITAN launch. Classified AF Program -- See Wing histories. <i>Titan R&D program.</i>
A-5	25 Feb 59	Cx 15	
A-4	3 Apr 59	Cx 15	
A-6	4 May 59	Cx 15	Completed Lot A missile tests.
B-5	14 Aug 59	Cx 19	First B series missile.
C-3	12 Dec 59	Cx 16	First Lot C missile.

TOTAL LAUNCHES 1959: 59~~FOR OFFICIAL USE ONLY~~

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1960TITAN I(XSM-68)-20
(ICBM)

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
B-7A	2 Feb 60	Pad 19	Completed Series B tests. Classified program <i>see Wing Histories. Titan I & program.</i>
C-4	5 Feb 60	Pad 16	
G-4	24 Feb 60	Pad 15	First G Series tests.
C-1	8 Mar 60	Pad 16	
G-5	22 Mar 60	Pad 15	
C-5	8 Apr 60	Pad 16	
G-6	21 Apr 60	Pad 15	
C-6	28 Apr 60	Pad 16	Completed C Series tests.
G-7	13 May 60	Pad 15	
	27 May 60	Pad 16	
G-10	24 Jun 60	Pad 15	
J-2	1 Jul 60	Pad 20	First in the Series J Missiles.
J-4	28 Jul 60	Pad 20	
J-7	10 Aug 60	Pad 19	
J-5	30 Aug 60	Pad 20	
J-8	23 Sep 60	Pad 19	
G-8	29 Sep 60	Pad 15	Completed Series G Missile tests.
J-3	7 Oct 60	Pad 20	
J-6	24 Oct 60	Pad 19	
J-9	20 Dec 60	Pad 20	

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	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
Atlas ICBM: - 1)			
43D	6 Jan 60	Cx 13	Classified program. See wing Historics. Atlas R&D program
44D	26 Jan 60	Cx 13	
49D	11 Feb 60	Cx 13	
42D	8 Mar 60	Cx 11	
51D	10 Mar 60	Cx 13	
48D Not a Launch	7 Apr 60	Cx 11	Exploded on pad before liftoff.
56D	20 May 60	Cx 12	
54D	11 Jun 60	Cx 11	
62D	22 Jun 60	Cx 14	
27D	27 Jun 60	Cx 12	
60D	2 Jul 60	Cx 11	
32D	9 Aug 60	Cx 12	
6D	12 Aug 60	Cx 11	
76D	16 Sep 60	Cx 11	
79D	19 Sep 60	Cx 14	Declared operational.
3E	11 Oct 60	Cx 13	First "E" Series launch.
71D	13 Oct 60	Cx 11	
55D	22 Oct 60	Cx 14	
83D	15 Nov 60	Cx 12	
4E	29 Nov 60	Cx 13	

(ATLAS (WS-107A-1) CONTINUED)

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1960 CY CONTINUED~~FOR OFFICIAL USE ONLY~~

ATLAS (WS-107A-1) (Continued)

CALENDAR YEAR 1960 (CONTINUED)

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Summary

Launch Date	Launched From	Summary
Atlas Space Vehicle - 2	(Launched by the Test Wing for ARPA (ADVANCE RESEARCH PROJECT AGENCY FOR DEPT OF DEF (DOD)), NASA (NATIONAL AERONAUTICS & SPACE ADMINISTRATION) Launched AT MIDAS 1. Classified DOD Program - see Wing Histories. (ARPA)	
29D 26 Feb 60	Cx 14	
45D 24 May 60	Cx 14	MIDAS II - Last launch in Midas Series (DOD, ARPA)
Atlas Space Booster - 3		
50D 29 Jul 60	Cx 14	MERCURY CAPSULE (MA-1). (NASA)
80D 25 Sep 60	Cx 12	(Pioneer) ABLE V-A 4-stage. (NASA)
91D 15 Dec 60	Cx 12	2nd ABLE (V-B) 3-stage space vehicle. (NASA) (Pioneer)
(SM-75)-WS-115A		
THOR - IREM - 3		

#256	14 Jan 60	Cx 18B
#259	9 Feb 60	Cx 18B
#263	29 Feb 60	Cx 18B

Completed R&D test program of SM-75 (THOR), WS-115A missile.

DOD

(Launched by the Test Wing for NASA, (ARPA), NAVY, & ARMY)

Launch Date	Launched From	Summary
THOR - Space Booster - 7		
THOR-ABLE #4 11 Mar 60	Cx 17 A	PIONEER V - Venus Satellite. (NASA)
#217		
THOR-ABLE #148 1 Apr 60	Cx 17 A	TIROS I - Meteorological Satellite. (NAS)
THOR-ABLE-STAR 13 Apr 60	Cx 17 B	TRANSIT 1B - Navigation Aid Satellite. (DOD/ARPA)
#257		
THOR-ABLE-STAR 22 Jun 60	Cx 17 B	TRANSIT 2A - Navigation Aid Satellite; Piggyback Satellite Payload. (Navy)
#281		
THOR-ABLE-STAR 18 Aug 60	Cx 17 B	COURIER 1A. (DOD, ARPA)
#262		
THOR-ABLE-STAR 4 Oct 60	Cx 17 B	COURIER 1B. (Army)
#293		
THOR-ABLE-STAR 30 Nov 60	Cx 17 B	TRANSIT 3-A. (Navy)
#283		

CY 1960 CONTINUED

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CALENDAR YEAR 1960 (CONTINUED)

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BLUE SCOUT (TS-609A)---Space Vehicle---

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
<u>Blue Scout Jr: 2</u>			
D-1	21 Sep 60	Pad 18A	First launch of the TS-609A Vehicle. (ATW All-Military Launch.) HETS Payload
D-2	8 Nov 60	Pad 18A	Carried HETS (Hyper Environmental Test Systems) payload.

* MACE (TM-76B)---Cruise Missile - 11 (ASD Program)

Inertial #14 57-2445	11 Feb 60	Cx 22	Launched by integrated military- contractor crew.
57-2452 #15	31 Mar 60	Cx 22	" " " "
58-1408 #19	27 Apr 60	Cx 22	" " " "
58-1391 #17	3 Jun 60	Cx 22	" " " "
56-2898# 6	24 Jun 60	Cx 22	" " " " Last launch from soft site complex.
58-1417 #20	11 Jul 60	Cx 21	First launch from hard site. Launched by integrated contractor-mil personnel.
58-1226 #21	21 Sep 60	Cx 21	Integrated Contr-Mil Pers launch crew.
58-1427 #22	7 Oct 60	Cx 21	Launched by an All-Military Crew.
59-4976 #23	21 Oct 60	Cx 21	Integrated Contr-Mil Pers launch.
59-4980 #27	15 Nov 60	Cx 21	" " " " "
56-2889 #8	16 Dec 60	Cx 21	Launched by an all-military crew.

(*Previous Mace launches conducted by 6555 Guided Msl Gp/Sq under technical direction
of AFMTC. This Group merged with AFBMD Fld Office 21 Dec 1959 to become 6555th ATW.)

TOTAL LAUNCHES 1960: 67

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1961MINUTEMAN I (ICBM) - 6

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
401	1 Feb 61	Pad 31	FIRST FLIGHT M-MAN I. Classified AF Program -- See Wing Histories. <i>RAD flight test program.</i>
402	19 May 61	Pad 31	
403	27 Jul 61	Pad 31	
404	30 Aug 61	Silo 32B	First Silo Launch.
405	17 Nov 61	Silo 32B	
406	18 Dec 61	Silo 31B	

TITAN I XSM-68 (ICBM) - 20

J-10	20 Jan 61	Cx 19	Classified AF Program -- See Wing Histories <i>Titan flight test program.</i>
J-11	10 Feb 61	Cx 20	
J-13	20 Feb 61	Cx 19	
J-12	3 Mar 61	Cx 20	
J-14	28 Mar 61	Cx 19	
J-15	31 Mar 61	Cx 20	
J-16	23 May 61	Cx 20	
M-1	23 Jun 61	Cx 19	First inertially guided Titan.
J-18	20 Jul 61	Cx 20	
M-2	25 Jul 61	Cx 19	
J-19	3 Aug 61	Cx 20	
J-17	6 Sep 61	Cx 20	
M-3	7 Sep 61	Cx 19	
J-20	28 Sep 61	Cx 20	
	6 Oct 61	Cx 19	
J-21	24 Oct 61	Cx 20	

(Titan I - Cont'd)

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TITAN I (Continued)

J-22

	21 Nov 61	Cx 20
M-5	29 Nov 61	Cx 19
J-23	13 Dec 61	Cx 20
M-6	15 Dec 61	Cx 19

First all-Air Force Titan 1st

ATLAS (ICBM) - 20

90D	23 Jan 61	Cx 12
8E	24 Jan 61	Cx 13
9E	24 Feb 61	Cx 13
13E	13 Mar 61	Cx 13
15E	24 Mar 61	Cx 13
12E	12 May 61	Cx 11
18E	26 May 61	Cx 13
17E	22 Jun 61	Cx 11
22E	6 Jul 61	Cx 13
21E	31 Jul 61	Cx 11
2F	8 Aug 61	Cx 13
26E	8 Sep 61	Cx 13
25E	2 Oct 61	Cx 11
30E	5 Oct 61	Cx 13
32E	10 Nov 61	Cx 13
4F	22 Nov 61	Cx 11
35E	1 Dec 61	Cx 13
5F	12 Dec 61	Cx 11
36E	19 Dec 61	Cx 13
6F	20 Dec 61	Cx 11

(ICBM)
Last of "D" Series/
~~Program -- See Wing Histories.~~
Atlas R&D flights

First "F" Series ICBM.

Carried squirrel monkey, GOLIATH, in
passenger pods.
Tested SNAP System.

Carried Rhesus monkey in passenger

(ATLAS - Continued)

CONTINUED

CALENDAR YEAR 1961 (CONTINUED)

ATLAS LAUNCHES (Continued)

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ATLAS (Space Booster) - 6 -- (Launched by the Test Wing for NASA)

67D MA-2	21 Feb 61	Cx 14	3rd Series "D" Atlas. Objectives for booster and Unmanned Mercury Capsule were met. (NASA)
100D MA-3	25 Apr 61	Cx 14	Booster malfunctioned & orbiting of Unmanned Mercury Capsule aborted. (NASA)
111D AGENA-B 6001 S/C RA-1	23 Aug 61	Cx 12	RANGER I Launch - Objective not met. (NASA)
88D Capsule 8A MA-4	13 Sep 61	Cx 14	Marked first successful earth Orbit. (NASA)
117D AGENA-B 6002 S/C RA-2	18 Nov 61	Cx 12	RANGER II Launch - Objective not met. (NASA)
93D MA-5	29 Nov 61	Cx 14	Orbited ENOS, The Chimp. (NASA)

THOR-

THOR-ABLE STAR (Space Booster) - 3 -- (Launched by the Test Wing for the U.S. Navy)

313	21 Feb 61	Pad 17B	TRANSIT 3B/LOFTI 1. Objectives not met. (Navy)
315	28 Jun 61	Pad 17B	TRANSIT 4-A, INJUN, & GREB III. Objectives met. (Navy)
311	15 Nov 61	Pad 17B	TRANSIT 4-B & TRAAC. Objectives met. (Navy)

THOR DELTA (Booster Support for NASA Only):

EXPLORER 10	25 Mar 61	Pad 17A
TIROS-3	12 Jul 61	Pad 17A
EXPLORER 12	15 Aug 61	Pad 17A

BLUE SCOUT (Space Vehicle) - 6

Blue Scout I:

D-3 A1-1	7 Jan 61	Pad 18B	All Blue Scout Launches in 1961 carried Hyper Environmental Test Systems Payload (HETS) for radiation study probes, except one.
D-6 A1-2	9 May 61	Pad 18A	

Blue Scout II:

D-4 A2-1	3 Mar 61	Pad 18B
D-5 A2-2	12 Apr 61	Pad 18B

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CONTINUED

SCOUT (CONTINUED)

Elite Scout Jr:

01	17 Aug 61	Pad 18A	HETS Payload.
Scout:			
D-8	1 Nov 61	Pad 18B	Mercury Payload.

* MACE (Cruise/Guided Msl) - 7

TM-76B #26 59-4979	7 Mar 61	Cx 21
#24 59-4977	16 Mar 61	Cx 21
#25 59-4978	28 Mar 61	Cx 21
#46 59-4874	28 Apr 61	Cx 21
#48 59-4876	2 Jun 61	Cx 21
#51 59-4879	16 Jun 61	Cx 21
#55 59-4883	21 Jun 61	Cx 21

R&D program
~~Classified AF Program - See Wing~~
~~Histories.~~

Completed R&D testing CAT II and
training of TAC Wing personnel

Furnished Engineering Evaluation & Instrumentation Support to TAC Wing for MACE Launches:		
60-5397	18 Jul 61	Cx 21
60-5399	4 Aug 61	Cx 21
60-5398	1 Sep 61	Cx 21
60-5400	22 Sep 61	Cx 21
60-5396	14 Nov 61	Cx 21
59-4887	5 Dec 61	Cx 21

*All cruise/guided missile launches were conducted by the Test Wing for the Aeronautical
Systems Division, AFSC, W-P AFB, O.

TOTAL LAUNCHES 1961: 68

/ 3 Booster Support Only for NASA Delta launches.
/ 6 Eval & Instrumentation Support for TACs MACE launches

RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1962MINUTEMAN I (ICBM) - 19

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
407	5 Jan 62	Silo 31	Classified R&D Program. See Wing histories.
408	25 Jan 62	Silo 31	<i>Minuteman R&D flight test program.</i>
410	15 Feb 62	Silo 31	
409	8 Mar 62	Silo 31	
411	22 Mar 62	Silo 31	
412	24 Apr 62	Silo 32	
413	11 May 62	Silo 32	
414	18 May 62	Silo 32	
415	8 Jun 62	Silo 32	
416	29 Jun 62	Silo 32	
417	12 Jul 62	Silo 31	
418	9 Aug 62	Silo 32	
421	18 Sep 62	Silo 32	
420	19 Sep 62	Silo 31	
422	17 Oct 62	Silo 31	
421A	19 Nov 62	Silo 31	
424	7 Dec 62	Silo 32	
423	14 Dec 62	Silo 31	
426	20 Dec 62	Silo 32	

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TITAN I (ICBM) - 1

M-7

29 Jan 62

Cx 19

LAST TITAN I Launch.

TITAN II (ICBM) - 9

N-2

16 Mar 62

Cx 16

FIRST TITAN II Launch.

N-1

7 Jun 62

Cx 15

Most objectives met.

N-6

11 Jul 62

Cx 15

Objectives met.

N-4

25 Jul 62

Cx 16

Most objectives met.

N-5

12 Sep 62

Cx 15

Objectives met.

N-9

12 Oct 62

Cx 16

Objectives met.

N-12

26 Oct 62

Cx 15

Objectives met.

N-11

6 Dec 62

Cx 16

Most objectives were not met.

N-13

19 Dec 62

Cx 15

Objectives met.

ATLAS (ICBM) - 7

40-F

1-F

13 Feb 62

Cx 13

LAST "E" SERIES MISSILE.

11-F

9 Apr 62

Cx 11

Destroyed approx 1 sec after launch

7-F

13 Aug 62

Cx 11

First Atlas launch by an all AF crew

8-F

19 Sep 62

Cx 11

Most objectives met.

14-F

19 Oct 62

Cx 11

Most objectives met.

16-F

7 Nov 62

Cx 11

Most objectives met.

21-F

5 Dec 62

Cx 11

10th & final Series "F" Missile, an
LAST ATLAS ICBM FLIGHT TEST.

ATLAS (Space Booster) - 8 -- (Launched by the Test Wing for NASA)

121D Agena-B 6003
Spacecraft RA-3

26 Jan 62

Cx 12

RANGER III. Orbited but missed moon
(NASA)

109D MA-6

20 Feb 62

Cx 14

FIRST MANNED ORBITAL FLIGHT w/Astro-
naut Lt Col John Glenn, Jr in
FRIENDSHIP 7. (NASA)

Atlas Space Booster - Continued)

CONTINUED

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ATLAS Space Booster - Continued -- (Launched by the Test Wing for NASA)

138D AGENA-B 6004 Spacecraft RA-4	23 Apr 62	Cx 12	RANGER IV. Lunar impact achieved. First US payload to land on Moon. (NASA)
107D MA-7	24 May 62	Cx 14	Launched AURORA 7 Spacecraft with Astronaut Lt Comdr M. Scott Carpenter, for 3 orbits of earth. (NASA)
145D AGENA-B 6901 Spacecraft MR-1	22 Jul 62	Cx 12	MARINER I - Launched for Venus probe. Objectives not met. (NASA)
179D AGENA-B 6902 Spacecraft MR-2	27 Aug 62	Cx 12	MARINER II - Launched for Venus probe. Objectives met. (NASA)
113D MA-8	3 Oct 62	Cx 14	SIGMA 7 Spacecraft w/Astronaut Lt Comdr Walter Schirra, Jr. 6 orbits. (NASA)
215D AGENA-B 6005 RA-5	18 Oct 62	Cx 12	RANGER V Moon Probe -- All objectives not met. (NASA)

THOR-ABLESTAR (Space Vehicle) - 3 -- (Launched by the Test Wing for the U.S. Navy)

Booster #311 Able- 24 Jan 62 Star #010 Satell #921B (U.S. Navy Project)	Pad 17B	Failed to orbit COMPOSITE I space- craft which carried 5 satellites (SRIV, LOFTI II, SECOR, INJUN II & SURCAL).
Booster #314 Able- 10 May 62 #011 Satell #6991A	Pad 17B	Failed to orbit ANNA 1A Spacecraft; a U.S. Navy Project.
Booster #319 Able- 31 Oct 62 Star S-03 #012	Pad 17A	Orbited ANNA 1B spacecraft; a U.S. Navy Project.

THOR/DELTA - NASA SUPPORT (SPACE BOOSTER ONLY)

Delta Big Shot I (Thor Booster 337)	15 Jan 62	Pad 17A	Inflated Rigid Balloon.
Delta VII (Thor booster 317)	8 Feb 62	Pad 17A	TIROS D.
Delta VIII (Thor booster 301)	7 Mar 62	Pad 17A	OSO 1.
Delta IX (Thor booster 320)	26 Apr 62	Pad 17A	ARIEL 1.
Delta X (Thor booster 321)	19 Jun 62	Pad 17A	TIROS E.
Delta XI (SLV II booster #316)	10 Jul 62	Pad 17B	TELSTAR 1.
BIG SHOT II (SLV II booster #338)	18 Jul 62	Pad 17A	ECHO A-12 communs balloon.
DELTA XII (SLV II booster #318)	18 Sep 62	Pad 17A	TIROS F.
DELTA XIII (SLV II booster #345)	2 Oct 62	Pad 17B	EXPLORER 14.
DELTA XIV (SLV II booster #346)	27 Oct 62	Pad 17B	EXPLORER 15.
DELTA XV (SLV II booster #355)	13 Dec 62	Pad 17A	RELAY 1.

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MACE

(Cruise/Air Breathing Guided Msl) - 16 - Support Only (engineering evaluation and instrumentation support to TAC Wing Launches)

60-5401	12 Jan 62	Cx 21	
60-5405	12 Jan 62	Cx 21	
59-4885	24 Jan 62	Cx 21	
59-2468	26 Jan 62	Cx 21	
60-5403	1 Feb 62	Cx 21	
60-5406	8 Feb 62	Cx 21	
59-4886	15 Feb 62	Cx 21	
59-4889	21 Feb 62	Cx 21	
58-1425	1 Mar 62	Cx 21	
59-4888	2 Mar 62	Cx 21	

16th and Final Launch of Mace Category III SOTE Program for TAC.

BLUE SCOUT I (XRM 89) - (Space Vehicle) - 1

Veh #D-7	12 Apr 62	Pad 18B	Carried research payload -- all objectives were not met. First vehicle wholly assembled and checked out by AF personnel.
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GAM-87A SKYBOLT*(Air-to-Ground Inertially Guided Msl) - 2

Msl #20031	28 Nov 62	B-52 A/C	Objectives not met. First launch by Test Wing.
Msl #20032	22 Dec 62	B-52 A/C	All test objectives were met. Program canceled.

(*NOTE: SKYBOLT Program reassigned from ASD's Field Office at PAFB to the Test Wing in Oct. 1962; program canceled 31 Dec 1962.)

TOTAL LAUNCHES 1962: 50 / 11 Booster Support Only for NASA Programs
/ 10 Eval/Instrumentation support for TAC's Mace Program

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1963MINUTEMAN I (ICBM) - 18

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
423A	7 Jan 63	Silo 31	Classified R&D program - See Wing histories.
419	23 Jan 63	Silo 32	<i>Minuteman R4D</i>
421B	21 Feb 63	Silo 32	
425	18 Mar 63	Silo 31	
419A	27 Mar 63	Silo 32	
425A	10 Apr 63	Silo 31	
425B	18 May 63	Silo 32	
428	28 May 63	Silo 31	
427	5 Jun 63	Silo 32	
430	27 Jun 63	Silo 31	
431	1 Jul 63	Silo 32	
430	16 Jul 63	Silo 32	
432	24 Jul 63	Silo 31	
433	5 Aug 63	Silo 32	
435	27 Aug 63	Silo 31	
434	7 Nov 63	Silo 32	
446	13 Nov 63	Silo 31	
447	18 Dec 63	Silo 32	

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CALENDAR YEAR 1963 (CONTINUED)

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TITAN

T W II (ICBM) - 10

N-1	10 Jan 63	Pad 16	First Titan II to be launched at night
N-16	6 Feb 63	Pad 15	Most objectives were achieved.
N-18	21 Mar 63	Pad 15	Objectives were met.
N-21	19 Apr 63	Pad 15	Objectives not met.
N-14	9 May 63	Pad 16	Objectives met to a limited degree.
N-17	24 May 63	Pad 15	Objectives met.
N-20	29 May 63	Pad 16	Objectives not met.
N-24	21 Aug 63	Pad 15	Objectives met.
N-25	1 Nov 63	Pad 15	Objectives met.
N-29	12 Dec 63	Pad 15	Objectives met.

ATLAS (ICBM) (ABRES*) - 3

134F (ABRES)	1 Mar 63	Cx 11	The 11th Series "F" msl launched, and the <u>first launch</u> under the 627A ABRES Program.
135F (ABRES)	26 Apr 63	Cx 11	12th Series "F" & 2nd 627A ABRES Prog
136F (ABRES)	28 Oct 63	Cx 11	13th Series "F" & 3rd 627A ABRES Prog
ATLAS (Space Vehicle) - 1			
197D/AGENA B 1801	16 Oct 63	Cx 13	First Vela -- Objectives met.
SLV-3/S-01A (VELA)			

ATLAS (Space Booster) - 1 -- (Launched by the Test Wing for NASA)

130D MA-9	15 May 63	Cx 14	MERCURY-ATLAS (FAITH 7) w/Astronaut Maj Gordon Cooper for 22-pass orbital mission. <u>This terminated M-A Program</u> (NASA)
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*Advanced Ballistic Re-entry System.

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CALENDAR YEAR 1963 (CONTINUED)

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BLUE SCOUT JR (Space Vehicle) - 1

#22 AD-622 30 Jul 63
JAR)

Pad 18A

The first SLV-IB Version, w/AFCL
payload aboard. Objectives met.

HOR-ASSET (Space Vehicle) - 1

LV-II #232 (ASV-1) 18 Sep 63

Pad 17B

Orbited first ASSET (ASV-1) payload;
recovery attempts unsuccessful.

THOR-DELTA (Space Booster) - SUPPORT FOR NASA PROGRAMS ONLY

Delta 16	SLV-II #358	14 Feb 63	Pad 17B	Orbited Syncom A-25.
Delta 17	SLV-II #357	2 Apr 63	Pad 17A	Orbited S-6 spacecraft (EXPLORER 17).
Delta 18	SLV-II #366	7 May 63	Pad 17B	Orbited TELESTAR II.
Delta 19	SLV-II #359	19 Jun 63	Pad 17B	Orbited TIROS G weather satellite.
Delta 20	SLV-II #370	26 Jul 63	Pad 17A	Orbited SYNCOM A-26 comsat.
Delta 21	SLV-II #387	26 Nov 63	Pad 17B	Orbited IMP-A spacecraft.
Delta 22	SLV-II #371	21 Dec 63	Pad 17B	Orbited TIROS-H meteororolog.spacecraft

TOTAL LAUNCHES 1963: 35 / 7 BOOSTER SUPPORT ONLY FOR NASA PROGRAMS

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1964MINUTEMAN I (ICBM) - 11

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
438	16 Jan 64	Silo 32B	Classified R&D program See Wing histories. <i>Minuteman R&D</i>
448	28 Jan 64	Silo 31B	
436	12 Feb 64	Silo 32B	
437	25 Feb 64	Silo 31B	
439	27 Feb 64	Silo 32B	
440	13 Mar 64	Silo 32B	
442	20 Mar 64	Silo 31B	
441	30 Mar 64	Silo 32B	
443	7 Apr 64	Silo 31B	
444	24 Apr 64	Silo 31B	
447	29 Sep 64	Silo 31B	<u>LAST LAUNCH THIS SERIES.</u>

MINUTEMAN II (ICBM) - 4

449	24 Sep 64	Silo 32B	<u>FIRST LAUNCH THIS SERIES.</u>
450	29 Oct 64	Silo 32B	
451	15 Dec 64	Silo 32B	
452	18 Dec 64	Silo 31B	

TITAN II (ICBM) - 4

-31	15 Jan 64	Pad 15	Objectives partially met.
-32	26 Feb 64	Pad 15	" " "
-33	23 Mar 64	Pad 15	Test objectives were met.
-3A	9 Apr 64	Pad 15	All test objectives were met. <u>LAST OF T-II ICBM SERIES.</u>

TITAN II (Space Booster) - 1 -- (Launched by the Test Wing for NASA)

LV-10/N 62-12556	8 Apr 64	Pad 19	FIRST GEMINI CAPSULE/UNMANNED. (NASA)

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CALENDAR YEAR 1964 (CONTINUED)

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TITAN

AN III-A (Space Vehicle) - 2

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
Veh #2 SSLV-2 65-210	1 Sep 64	Pad 20	<u>FIRST LAUNCH.</u> 95% of test objective met.
Veh #1 SSLV-1 65-209	10 Dec 64	Pad 20	100% successful flight with orbit of payload.

ATLAS (ICBM) (ABRES*) - 2

5E	25 Feb 64	Pad 11	All objectives met.
137F	1 Apr 64	Pad 11	All objectives met. <u>Last ABRES Launch</u>

A/AGWA (Space Vehicle) - 1

Vela-2 216D/	17 Jul 64	Pad 13	Objective met.
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A/AGENA (MOD III) SUPPORT FOR NASA PROGRAMS

Ranger 6	30 Jan 64	Pad 12	
263D/LV3A	14 Apr 64	Pad 12	
250D AGENA	28 Jul 64	Pad 12	
AGENA	4 Sep 64	Pad 12	
C-2 AGENA	5 Nov 64	Pad 13	
801 MC-3 AGENA	28 Nov 64	Pad 12	

THOR-ASSET (Space Vehicle) - 4

SLV-II ASV-2 #240	24 Mar 64	Pad 17B	Booster performance close to nominal 2nd stage unsuccessful.
SLV-II ASV-3 #20002	22 Jul 64	Pad 17B	Objectives met. First hypersonic glide vehicle recovered after flight.
SLV-II AEV-1 #20002	27 Oct 64	Pad 17B	Objectives met. First flight of AEV.
SLV-II AEV-2 #20003	8 Dec 64	Pad 17B	Objectives met. Last flight of AEV.

THOR/DELTA (Space Booster) - SUPPORT FOR NASA ONLY:

SLV-II #373/Delta 23	21 Jan 64	Pad 17B	Placed Relay A-16 Comsat in orbit.
SLV-II #20011/Delta 24	19 Mar 64	Pad 17A	Objectives not met.
SLV-II #20104/Delta 25	19 Aug 64	Pad 17A	Orbited SYNCOM C satellite. First launch of a Thrust Augmented DELTA (TA)
SLV-II #20012/Delta 26	3 Oct 64	Pad 17A	Orbited IMP B spacecraft.
SLV-II #20101/Delta 27	21 Dec 64	Pad 17A	Orbited EPE-D satellite.

*Advanced Ballistic Re-entry System.

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CALENDAR YEAR 1964 (CONTINUED)

SCOUT, JR (AF Space Vehicle) - 1

SLV-IB Veh 22-2
AD-623

13 Mar 64

Pad 18A

*AFCRL 9 payload aboard. Objectives
were not met.

*(AF Cambridge Research Laboratory)

TOTAL LAUNCHES 1964: 30 / 11 SUPPORT ONLY FOR NASA PROGRAMS.

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1965MINUTEMAN II (ICBM) - 7

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
453	28 Jan 65	Silo 31	Glassified Program See Wing histories for details. <i>Minuteman R&D</i>
455	7 May 65	Silo 32	
456	25 May 65	Silo 32	
457	4 Aug 65	Silo 32	
454	23 Aug 65	Silo 31	
458	25 Sep 65	Silo 32	
459	2 Oct 65	Silo 31	

TITAN II (Space Booster) - 6 -- (Launched by the Test Wing for NASA)
(Gemini)

GLV-2	19 Jan 65	Cx 19	Unmanned. All objectives met. (NASA)
GLV-3	23 Mar 65	Cx 19	Orbited First 2-Man spacecraft w/Astronauts Maj Grissom & Lt Comdr Young for 3 orbits of earth. (NASA)
GLV-4	3 Jun 65	Cx 19	Orbited Astronauts Maj McDivitt & Maj White for 62 revolutions of earth; US first space walk; & world's longest "man" space walk. (NASA)
GLV-5	21 Aug 65	Cx 19	Orbited Astronauts Maj Cooper & Lt Comdr Conrad for 8-day mission & 120 revolutions of earth. (NASA)
GLV-7	4 Dec 65	Cx 19	Orbited Astronauts Maj Borman & Lt Com Lovell for 14-day orbit-- world's longest. (NASA)
GT-6A	15 Dec 65	Cx 19	Orbited for rendezvous mission w/GT7 spacecraft. (NASA)

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TITAN III-A (Space Vehicle) - 2

Veh #	Launch Date	Launched From	Summary
Veh #3 65-211	11 Feb 65	Pad 20	Orbited LES-1 (Lincoln Experimental Satellite).
Veh #6	6 May 65	Pad 20	Orbited MITs LES-1 and RGS (Radar Calibration Sphere) Satellites. <u>LAST TITAN III-A.</u>

TITAN III-C (Space Vehicle) - 3

Veh #7	18 Jun 65	Pad 40	<u>FIRST TITAN III-C & FIRST LAUNCH FROM PAD 40.</u> Orbited ballast payload.
Veh #4	15 Oct 65	Pad 40	Placed 26,216 lbs in orbit.
Veh #8 66-001	21 Dec 65	Pad 41	FIRST LAUNCH FROM PAD 41. 3 satellites released in elliptical transfer orbit.

ATLAS/AGENA (Space Vehicle) - 1

Veh #3 225D/1803	20 Jul 65	Pad 13	Objective met.
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ATLAS/AGENA (Space Booster) 1 -- (Launched by the Test Wing for NASA)

Gemini Agena 5301-D/5002 Target-6	25 Oct 65	Pad 14	<u>FIRST LAUNCH</u> in the Gemini Agena Target Vehicle (GATV) Program. AGENA failed to orbit. (NASA)
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Atlas/Agena MOD III Radio Guidance Station supported following space programs:

GMCF#1	*GT-2	19 Jan 65	Cx 19 ***
	*Ranger 8	17 Feb 65	Cx 12
	STAFF 1	14 Mar 65	Cx 29A *
	*Ranger 9	21 Mar 65	Cx 12
	*GT-3	23 Mar 65	Cx 19 ***
	*FIRE 2	22 May 65	Cx 12
	*GT-4	3 Jun 65	Cx 19 ***
	STAFF 2	16 Jun 65	Cx 29A *
	*GT-5	21 Aug 65	Cx 19 ***
	*GT-7	4 Dec 65	Cx 19 ***
	*GT-6A	15 Dec 65	Cx 19 ***
GMCF#3	*Tiros-OT-1	1 Jul 65 THOR DELTA	Cx 17B
	*OSO-C	25 Aug 65 THOR DELTA	Cx 17B
	*GEOS-A	6 Nov 65 THOR DELTA	Cx 17A
	*Pioneer Cx 17A	16 Dec 65 / 1 Vela & 1 GATV listed above.	

*Support for NASA Programs.

**Support for AF/Navy Program.

*** Duplicates entry by missile type.

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CONTINUED

THOR

R/ASSET (Space Vehicle) - 1

ASV-4 DSV-2G, No. 248 23 Feb 65
SLV II

Pad 17B

FINAL TEST OF ASSET PROGRAMTHOR/DELTA (Space Booster) - SUPPORT FOR NASA ONLY:SLV-II No. 374 22 Jan 65 (Tiros I) Pad 17A
SLV-II No. 415 3 Feb 65 (OSO-B-2) Pad 17BSTAFF (AF Spacecraft/Navy's POLARIS Booster) - 4 -- (AF Program, launched by NAVY)

STS-1	14 Apr 65	Pad 29A	FIRST LAUNCH. Booster fail
STS-2	16 Jun 65	Pad 29A	Successful launch -- proved feasibility using SIG on BM
STS-3	11 Aug 65	Pad 29A	All test objectives achieved except for one primary.
STS-4	12 Nov 65	Pad 29A	FINAL LAUNCH. All test objectives achieved.

E SCOUT, JR (Space Vehicle) - 5

SLV-IB 22-3	28 Jan 65	Cx 18A	AFCRL Experiment 309 aboard Range destroyed at 100 secs
22-4	30 Mar 65	Cx 18A	AFCRL-35 experiment aboard; booster successful; payload successful.
22-9	9 Apr 65	Cx 18A	AFWL-14 experiment. Booster successful; payload unsuccessful.
22-8	12 May 65	Cx 18A	AFCRL-335 experiment aboard Both booster & payload successful.
22-5	9 Jun 65	Cx 18A	AFWL-304 aboard. All successful. <u>FINAL TEST OF BLUE SCOUT PROGRAM.</u>

TOTAL LAUNCHES 1965: 30 / 17 SUPPORT ONLY FOR NASA/AF/NAVY PROGRAMS AS NOTED~~FOR OFFICIAL USE ONLY~~

RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1966MINUTEMAN II (ICBM) - 4

	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
461	5 Jan 66	Silo 32	Classified Program -- See Wing histories for details. <i>Minuteman R&D</i>
460	10 Feb 66	Silo 31	
462	31 Mar 66	Silo 31	
463	8 Jul 66	Silo 32	

TITAN II (Space Booster) - 5 -- (Launched by the Test Wing for NASA)

GLV-8	16 Mar 66	Cx 19	Orbited Astronauts Neil Armstrong & David Scott for link-up w/the A/Agena Target Vehicle. (NASA)
GLV-9	3 Jun 66	Cx 19	Orbited Astronauts Stafford and Cernan; link-up w/ATDA not accomplished because shroud remained. (NASA)
GLV-10	18 Jul 66	Cx 19	Orbited Astronauts John W. Young & Michael Collins; performed extra veh. acti., rendezvous & docking; & used Agena propul. sys to change orbits. (NASA)
GLV-11	12 Sep 66	Cx 19	Orbited Astronauts Conrad and Gordon; rendezvous & dock. accomp. (NASA)
GLV-12	11 Nov 66	Cx 19	Orbited Astronauts J. A. Lovell & E. E. Aldrin; rendezvous & dock. used Agena propul to change orbit. <u>END OF PROGRAM.</u> (NASA)

TITAN III-C (All AF Space Veh) - 3

#11 66-004	16 Jun 66	Pad 41	Orbited 8 satellites: 1 gravity gradient, & 7 communications.
#12 66-005	26 Aug 66	Pad 41	Launch aborted 82 secs after lift-off.
#9 66-002	3 Nov 66	Pad 40	Injected modified Gemini spacecraft into suborbital trajectory; carried 11 ARS experim's-3 success.

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CALENDAR YEAR 1966 (CONTINUED)

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ATLAS/AGENA (Space Booster) - 6 -- (Launched by the Test Wing for NASA)

Gemini Agena	S/Ns 5302	16 Mar 66	Pad 14	Objective met. (NASA)
Target-8	5003			
Gemini Agena	5303	17 May 66	Pad 14	Flt terminated T/347. Atlas a pilot control system failure. (NASA)
Target-9	5004			
Gemini Target	5304	1 Jun 66	Pad 14	Objective met. ATDA shroud failed to separate. (NASA)
ATDA-9A	---			
Gemini Agena	5305	18 Jul 66	Pad 14	Objective met. (NASA)
Target-10	5005			
Gemini Agena	5306	12 Sep 66	Pad 14	Objective met. (NASA)
Target-11	5006			
Gemini Agena	5307	11 Nov 66	Pad 14	Objective met. <u>END OF PROGRAM</u> (NASA)
Target-12	5001			

Atlas/Agena -- NASA Support Only - MOD III: - 19

<u>GMCF #1</u> - OAO	8 Apr 66	Pad 12	
OGO	6 Jun 66	Pad 12	
Lunar Orb.A	10 Aug 66	Pad 13	
Lunar Orb.B	6 Nov 66	Pad 13	
ATS-B	6 Dec 66	Pad 12	6 GAATV/ATDA & 5 Gemini launches above.
<u>F #3</u> - Delta 36	3 Feb 66	Pad 17A	
Delta 37	28 Feb 66	17B	
Delta 38	25 May 66	17B	

TOTAL LAUNCHES 1966: 18 / 19 NASA SUPPORT (MOD III)

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1967MINUTEMAN II (ICBM) - 4

<u>Missile</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
FTM 454	17 Jan 67	Silo 32	Classified Program -- See Wing histories for discussion of all flights
FTM 465	24 Feb 67	Silo 32	<i>Minuteman R&D</i>
FTM 466	17 Aug 67	Silo 32	
FTM 467	6 Nov 67	Silo 32	

TITAN III-C (Space Vehicle) - 3

<u>Veh #</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
Veh #13	18 Jan 67	Cx 41	Eight COMSATS placed in orbit.
Veh #10	28 Apr 67	Cx 41	Two Vela spacecraft and three ERS (Environmental Research Satells) placed in orbit.
Veh #14	1 Jul 67	Cx 41	Six satellites placed in orbit: 1- DoD Gravity Experiment(DODGE), 1- MIT LES-5 communs experiment, & 4- military communs satellites.

ATLAS/AGENA (Space Booster) - 0

ATLAS/AGENA - NASA SUPPORT (MOD III) } -6
 Activities - GMCF #1 Radio Guid. Sta.)

Lunar Orbiter-C	4 Feb 67	Cx 13
Application Techno-	5 Apr 67	Cx 12
logy Satell.(ATS-A)		
Lunar Orbiter-D	4 May 67	Cx 13
Mariner-Venus	14 Jun 67	Cx 12
Lunar Orbiter Pro-	1 Aug 67	Cx 13
gram-E		
Applications Tech.	5 Nov 67	Cx 12
Satell. (ATS-C)		

TOTAL LAUNCHES 1967: 7 / 6 NASA SUPPORT (MOD III)

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1968MINUTEMAN II -- ICBM - 1

<u>Missile</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
FTM #463	6 Feb 68	Silo 32	LAST scheduled Minuteman II flight, and was the 20th consecutive successful launch of Minuteman II missile from the E

MINUTEMAN III -- ICBM - 2

FTM #201	16 Aug 68	Silo 32	FIRST scheduled Minuteman III launch from the ETR.
FTM #202	24 Oct 68	Silo 32	Classified Program (AP) - see histories. <i>Minuteman R&D</i>

TITAN III-C -- Space Vehicle - 2

LV-16 S/N 66-009	13 Jun 68	Cx 41	Launched Payload of 8 COMSATS f Dept of Defense.
LV-5 S/N 65-213	26 Sep 68	Cx 41	See Wing history.

ATLAS/AGENA -- Participation Only* - 1

NASA OGO/E	4 Mar 68	Cx 13	See Wing history.
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*MOD III, GMCF #1 Radio Guidance Station Support Only.

ATLAS/AGENA D -- Space Vehicle - 1

SLV-3A	6 Aug 68	Cx 13	FIRST "Long Tank." All AF space vehicle carrying classified payload. See wing history. <i>USAF payload</i>
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TOTAL LAUNCHES 1968: 6 / 1 NASA Support by Atlas/Agena personnel & facility.

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1969

TITAN III-C -- Space Vehicle - 2 -- (AF Program)

<u>Missile</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
LV-17	9 Feb 69	Cx 41	Successfully placed in orbit the world's heaviest payload -- a communications satellite for joint AF, Army, and Navy.
LV-15	23 May 69	Cx 41	Five satellites placed in 60286/9129 NM elliptical orbit; 2 VELA and 3 small scientific satellites.

Participation Only -- 1

NASA Thor-Delta launch for the UK's-"SKYNET" Program -- 21 Nov 69. SAMSO was the designated management agency for the spacecraft (satellite); in turn, Titan technical personnel were designated by SAMSO as management technicians and to serve in an advisory capacity on all matters pertaining to the spacecraft. The mission was a complete success.

MINUTEMAN III -- ICBM - 8 -- (AF Program)

FTM No. 203	26 Mar 69	Silo 31
FTM No. 204	22 Apr 69	Silo 31
FTM No. 205	27 May 69	Silo 32
FTM No. 206	25 Jun 69	Silo 32
FTM No. 207	31 Jul 69	Cx 31(Silo)
FTM No. 208	23 Sep 69	Cx 31(Silo)*
FTM No. 209	6 Nov 69	Cx 32(Silo)
FTM No. 210	4 Dec 69	Cx 32

Minuteman RED~~Classified program -- see Wing histories.~~

*Silo 31 was deactivated following launch of FTM 208. A total of 35 Minuteman missiles, including 4 Minuteman III missiles, was launched from Complex(Silo) 31 since 1961.

ATLAS/AGENA D -- Space Vehicle - 1 -- (AF Program)

SLV-3A	12 Apr 69	Cx 13
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USAF payload~~Classified AF program -- see Wing histories.~~

TOTAL LAUNCHES 1969: 11 + 1 NASA/UK Support by Titan III personnel - spacecraft only.

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PERIOD: JUNE 1955 - DECEMBER 1961

TOTAL NUMBER OF LAUNCHES FROM EACH PAD/COMPLEX
(Ballistic and Space Launches Only, with exception
of 13 Mace (Cruise Missiles).

<u>PROGRAM</u>	<u>PAD/COMPLEX</u>	<u>NUMBER LAUNCHED</u>
X-17	3	34
Thor	17B	42
Thor	17A	21
Atlas	14	31
Atlas	12	22
Atlas	11	33
Atlas	13 (Active Cx)	35
Thor; Blue Scout	18B	23
Blue Scout	18A	11
Titan	15	26
Titan	19	27
Mace	22	5
Mace	21	13
Titan	16	13
Titan	20	20
Minuteman	31* (Silo) (Active Cx)	25
Minuteman	32B (Silo) (Active Cx)	10
Minuteman	31B (Silo)	8
Minuteman	32 (Silo) (Active Cx)	33
STAFF (Aboard Polaris)	29A**	4
Titan	40 (Active Cx)	3
Titan	41 (Active Cx)	3

*First 3 launches were from ground level pad.

**Navy Complex -- joint Air/Navy effort.

Prepared By: M. A. Kinkade (13 of 13)

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(CONTINUED)

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PERIOD: JANUARY 1969 - _____

TOTAL NUMBER OF BALLISTIC/SPACE LAUNCHES FROM EACH
PAD/COMPLEX (Beginning January 1969)

<u>PROGRAM</u>	<u>PAD/COMPLEX</u>	<u>TOT. # LNCH'D FOR PERIOD END.DEC 68 (Brot Forward)</u>	<u>TOT. # LNCH'D FOR PERIOD BEGINN.JAN 69</u>	<u>GRAND TOTAL LNCH'D FROM CX/PAD</u>
Atlas/Agena D	13 (Active Cx)	35	/	
Minuteman III	31 (Silo)*	25	4	29
Minuteman III	32 (Silo)(Act.Cx)	33	///	
Minuteman II(Modified)	31 (Active Cx)	3	/	
Titan III-C	41 (Active Cx)	8		
Titan III-C	40 (Active Cx)	3		

SUPPORT ONLY of Other DOD/ARPA, Navy, Army, NASA, International, Launches b/
Wing Personnel :

Titan
Team : NASA Thor-Delta Cx 17A 20
(UK's SKYNET Program)

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*Silo 31 deactivated following launch of FTM 200. A total of 35 Minuteman Missiles,
including 4 Minuteman III missiles, was launched from Complex(Silo) 31 since 1961.
3 Prepared By: M. J. K. B. (as of 1968)

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TOT. NR LAUNCHES FROM PAD CX--PERIOD: JUN 55-DEC 68 (CONTINUED)

SUPPORT ONLY of Other DOD, Navy, NASA Launches by the Test Wing's ATLAS, THOR, and MACE Teams:

<u>PROGRAM</u>	<u>PAD/COMPLEX</u>	<u>NUMBER LAUNCHED</u>
Space (Atlas/Agena)	13	12
Space " "	12	14
Space (Thor/Able/Delta)	17A	20
Space " "	17B	13
Cruise Missile (MACE only)	21	16

NOTE: (1) See "Record of Missiles Launched by the 6555 ATW" for details of the above launches.

(2) The Pads/Complexes are listed in order of initial use by the 6555th ATW.

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RECORD OF 6555TH ATW MISSILE AND SPACE LAUNCHES AT THE ETR

CALENDAR YEAR 1970

MINUTEMAN III -- ICBM - -- (AF Program)

<u>Missile</u>	<u>Launch Date</u>	<u>Launched From</u>	<u>Summary</u>
FTM 212	13 Mar 70	Cx 32 (Silo)	<i>Minuteman R&D</i> Classified program -- see Wing histories.

MODIFIED MINUTEMAN II -- ICBM - -- (AF Program)

Shelter Based Msl	14 Mar 70	Cx 31	First launch. See Wing histories -- classified AF program.
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TITAN III-C -- Space Vehicle - -- (AF Program)

Participation Only --

NASA Thor-Delta launch for NATO's Communications Program -- 20 Mar 70. SAMSO was the designated management agency for the spacecraft (satellite); in turn, Titan Div technical personnel were designated by SAMSO as management technicians & to serve in advisory capacity on all matters pertaining to spacecraft. Launch was successful.

ATLAS/AGENA D -- Space Vehicle - -- (AF Program)

TOTAL LAUNCHES 1970: / NASA/NATO;

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