

LOG OF ALTITUDE WIND TUNNEL INVESTIGATIONS

No.	Project	<i>Alt</i>	Starting Date	Conclusion Date
1.	Bell YP-59A (I-16 engine)	3	Feb. 4, 1944	May 13, 1944
2.	Boeing B-29 (R-3350 engine)	4	May 14, 1944	Sept. 18, 1944
3.	Westinghouse 19B & 19XB Turbojet	2	Sept. 19, 1944	Nov. 21, 1944
4.	Douglas XT52D-1 (4360 engine)	2	Nov. 21, 1944	Jan. 3, 1945
5.	G.E. TG-180 (engine & afterburner performance)	2	Jan. 4, 1945	Mar. 1, 1945
6.	Lockheed YP-80A (I-40 engine)	2	Mar. 4, 1945	May 15, 1945
7.	NACA Ram Jet (20")	1	May 15, 1945	June 27, 1945
8.	Lockheed TP80S (I-40 engine)	2	June 27, 1945	Aug. 3, 1945
9.	Tunnel Cleaning and Repair	X	Aug. 4, 1945	Aug. 16, 1945
10.	Republic YP-47M (propeller tests)	2	Aug. 17, 1945	Oct. 26, 1945
11.	Lockheed XR-60 (4360 engine)	2	Oct. 26, 1945	Dec. 26, 1945
12.	NACA Ram Jet (20")	3	Dec. 27, 1945	Mar. 11, 1946
13.	G.E. TG-180 (engine & afterburner performance)	3	Mar. 11, 1946	Aug. 13, 1946
14.	NACA Ram Jet (20")	3	Aug. 14, 1946	Nov. 18, 1946
15.	G.E. TG-100A Turbo Prop	2	Nov. 18, 1946	Jan. 14, 1947
16.	Westinghouse X24C-4B Engine	8	Jan. 14, 1947	Sept. 5, 1947
17.	G.E. TG-180 (engine & afterburner performance)	3	Sept. 6, 1947	Dec. 19, 1947
18.	John Hopkins Ram Jet (18 in.)	2	Dec. 20, 1947	Feb. 6, 1948
19.	G.E. TG-180 Engine (continuation of No. 17)	2	Feb. 6, 1948	Apr. 25, 1948
20.	AWT Fan & Tunnel Survey	X	Apr. 26, 1948	May 19, 1948

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LOG OF ALTITUDE WIND TUNNEL INVESTIGATIONS

No.	Project	<i># ho</i> Starting Date	Conclusion Date
21.	G.E. TG-190G Engine & Afterburners	8 May 20, 1948	Jan. 14, 1949
22.	NACA Ram Jet 16" Free Jet	4 Jan. 15, 1949	May 30, 1949
23.	G.E. TG-190 High Altitude Starting Test	2 May 31, 1949	July 20, 1949
24.	Armstrong-Siddeley Python Turbo Prop	6 July 20, 1949	Jan 3, 1950
25.	G.E. TG-190D, B-7, RX Engines Integrated Electronic Control Tests (347)	4 Jan. 4, 1950	June 19, 1950
26.	Westinghouse 24 C-7 & C-8 Engine and Afterburner performance and cooling tests	// June 20, 1950	May 4, 1951
27.	Tunnel Modernization & Cleaning	X May 4, 1951	Sept. 1951
28.	Westinghouse J-40-WE6	10 Sept. 1951	July 16, 1952
29.	Allison J-71	6 Aug. 1952	Feb. 1953
30.	Allison T-38	8 Mar. 1953	Nov. 9, 1953
✓ 31.	P & W J-57	14 Dec. 1953	Feb. 10, 1955
✓ 32.	Wright J-65	2 Mar. 20, 1955	June 1955
✓ 33.	Allison J-71	4 July 1955	Nov. 23, 1955
✓ 34.	Avon	9 Jan. 12, 1956	Nov. 2, 1956
✓ 35.	J-57 Noise	4 Jan. 23, 1957	May 13, 1957
✓ 36.	Ace piloted Ram Jet	May, 1957	Jan 20, 1958
✓ 37.	Rocket	12 Feb. 1, 1958	Feb. 1958

✓ - more information on next page.

1954

	AWT Models	Start Date	Completed Date	No. Men		Elect.
				Mech.	T.C.	
(21)	2- J57-P-1 Pratt Whitney Jet Engines	Dec. 1953	Feb. 1955	25	3	2
		1955				
(32)	2-J65-B-3 Jet Engine	Mar. 1955	June 1955	16	3	2
(33)	2-Allison J71-All Engine	July 1955	Nov. 1955			
(34)	2-Rolls Royce Avon Engines	Received Oct. 1955				
		1956				
	2-Rolls Royce Avon Engines	Jan. 1956	Nov. 1956	21	3	2
		1957				
(35)	1-J57 Engine Noise Program	Dec. 1956	May 1957	20	3	2
(36)	Ace Engine and 2 preheaters Preparation	May 1957				
		1958				
	Ace Engine & 2 Preheaters	May 1957	Feb. 1958	18	3	2
	Shut Down of Tunnel to other facilities			14 Mech. assigned 3 shift operation discontinued		
(37)	Tunnel leak test			3	0	1
	Solid Rocket Test	May 1958	Feb. 1959	8	2	2
	H ₂ O ₂ Rocket Test	Sept. 1958				
	One axis table test	Nov. 1958				
		1959				
	Solid Rocket Test	May 1958	Feb. 1959	8	2	2
	H ₂ O ₂ Rocket Test	Sept. 1958	June 1959			
	One Axis Table	Nov. 1958	May 21, 1959			
	Storable Propellant	Jan 1959	Active			
	Space Capsul Mockvp	Jan 1959	June 1959			
	Gimbal	Mar. 1959	Active			
	Project Mercury Capsul #1 Buildup	Mar. 1959	June 1959			
	Capsul #2	June 1959	Aug 28, 1959			
	Solid Rocket Ign Test	Aug. 3, 1959	Active			
	Operation Dizzy in Gimbal	July 1959	Active			

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No.	Project	Starting Date	Conclusion Date
1.	Bell YF-59A (I-16 engine,	Feb/ 4, 1944	May 13, 1944
2.	Boeing B-29 (B-3350 engine)	May 14, 1944	Sept. 18, 1944
3.	Westinghouse 19B & 19XB Turbojet	Sept. 19, 1944	Nov. 21, 1944
4.	Douglas XVE2D-3 (4360 engine)	Nov. 21, 1944	Jan. 3, 1945
5.	G. E. TG-180 (engine & afterburner performance)	Jan. 4, 1945	Mar. 1, 1945
6.	Lockheed YF-80A (I-40 engine)	Mar. 4, 1945	May 15, 1945
7.	NACA Ram Jet (20")	May 15, 1945	June 27, 1945
8.	Lockheed YF-80S (I-40 engine)	June 27, 1945	Aug. 3, 1945
9.	Tunnel Cleaning and Repair	Aug. 4, 1945	Aug. 16, 1945
10.	Republic YF-47M (propeller tests)	Aug. 17, 1945	Oct. 25, 1945
11.	Lockheed XR-60 (4360 engine)	Oct. 26, 1945	Dec. 26, 1945
12.	NACA Ram Jet (20")	Dec. 27, 1945	Mar. 11, 1946
13.	G.E. TG-180 (engine & afterburner performance)	Mar. 11, 1946	Aug. 13, 1946
14.	NACA Ram Jet (20")	Aug. 14, 1946	Nov. 18, 1946
15.	G.E. TG-100A Turbo Prop	Nov. 18, 1946	Jan. 14, 1947
16.	Westinghouse X24C-4B Engine	Jan. 14, 1947	Sept. 5, 1947
17.	G.E. TG-180 (engine & afterburner performance)	Sept. 6, 1947	Dec. 19, 1947
18.	John Hopkins Ram Jet (18 in.)	Dec. 20, 1947	Feb. 6, 1948
19.	G.E. TG-180 Engine (continuation of No. 17)	Feb. 6, 1948	Apr. 25, 1948
20.	AWT Fan & Tunnel Survey	Apr. 26, 1948	May 19, 1948

LOG OF ALTITUDE WIND TUNNEL INVESTIGATIONS

No.	Project	Starting Date	Conclusion Date
21.	G. E. TC-1908 Engine and Afterburners	May 20, 1948	Jan. 16, 1949
22.	NACA Ram Jet 16" Free Jet	Jan. 15, 1949	May 30, 1949
23.	G. E. TC-190 High Altitude Starting Test	May 31, 1949	July 20, 1949
24.	Armstrong-Siddeley Pythen Turbo Prop	July 20, 1949	Jan. 3, 1950
25.	G.E. TC-1909, B-7, IX Engines Integrated Electronic Control Tests (247)	Jan. 4, 1950	June 19, 1950
26.	Westinghouse 24 C-7 & -8 Engine and Afterburner Performance and Cooling Tests	June 20, 1950	May 4, 1951
27.	Tunnel Modernization & Cleaning	May 4 1951	SEPT 1951
28.	WESTINGHOUSE J-40-WE6	SEPT 1951	JULY 16, 1952
29.	ALLISON J-71	AUG. 1952	FEB. 1953
30.	ALLISON T-38	MAR. 1953	NOV. 9, 1953
31.	P/W J-57	DEC 1953	FEB 10 1955
32.	WRIGHT J-65	MAR 20 1955	JUN 1955
33.	ALLISON J-71	JULY 1955	NOV. 23 1955
34.	AVON	JAN. 12, 1956	NOV. 2, 1956
35.	J-57 NOISE	JAN. 23 1957	MAY 13, 1957
36.	ACE PILOTED RAMJET	?	JAN 20 1958
37.	ROCKET	FEB. 1 1958	

Could not get total well off fan

New fan installed

Turbo Prop