

D.2.1 Atlas Launch History

The data in Table 41 summarize the flight performance of all Atlas and Atlas-boosted space-vehicle launches since the program began in June 1957. A launch sequence number is provided in the first column, a mission ID and launch date in columns 2 and 3. The vehicle configuration or Atlas booster number is given in the fourth column, while the fifth column shows whether the launch took place from the Eastern or Western Range. The last three columns in the table show, respectively, the response mode assigned by RTI to any failure or anomalous behavior that occurred, the flight phase in which it occurred, and whether the vehicle configuration is considered representative for the purposes of predicting future Atlas reliability. Launches through sequence number 532 were used in the filtering process to estimate failure rate.

Table 41. Atlas Launch History

No.	Mission/ID	Launch Date	Vehicle Configuration	Test Range	Response Mode	Flight Phase	Rep. Conf.
1	Weapons System (WS)	06/11/57	4A	ER	4T	1	0
2	WS	09/25/57	6A	ER	4	1	0
3	WS	12/17/57	12A	ER			0
4	WS	01/10/58	10A	ER			0
5	WS	02/07/58	13A	ER	4	1	0
6	WS	02/20/58	11A	ER	4T	1	0
7	WS	04/05/58	15A	ER	4	1	0
8	WS	06/03/58	16A	ER			0
9	WS	07/19/58	3B	ER	4T	1	0
10	WS	08/02/58	4B	ER			0
11	WS	08/28/58	5B	ER	4	2.5	0
12	WS	09/14/58	8B	ER	4	2.5	0
13	WS	09/18/58	6B	ER	4	1	0
14	WS	11/17/58	9B	ER	4	2	0
15	WS	11/28/58	12B	ER			0
16	SCORE	12/18/58	10B LV-3A/AGENA	ER			0
17	WS	12/23/58	3C	ER			0
18	WS	01/15/59	13B	ER	5	1	0
19	WS	01/27/59	4C	ER	5	2	0
20	WS	02/04/59	11B	ER			0
21	WS	02/20/59	5C	ER	4	2	0
22	WS	03/18/59	7C	ER	4	1	0
23	WS	04/14/59	3D	ER	4	1	0
24	WS	05/18/59	7D	ER	4	1	0
25	WS	06/06/59	5D	ER	4	2	0
26	WS	07/21/59	8C	ER			0
27	WS	07/28/59	11D	ER			0
28	WS	08/11/59	14D	ER			0
29	WS	08/24/59	11C	ER			0
30	MERCURY (test)	09/09/59	10D LV-3B	ER	4	2	0
31	DESERT HEAT	09/09/59	12D	WR			0