

28. J-9, 20 Dec 60, Response Mode 4, Flight Phase 2: No Stage-II ignition due to failure of gas generator to start.
29. J-10, 20 Jan 61, Response Mode 4, Flight Phase 2: No Stage-II operation due to erroneous signal that appeared at umbilical disconnect. Impact some 420 miles downrange.
32. J-12, 3 Mar 61, Response Mode 4, Flight Phase 2: Stage-II terminated prematurely after 54-second burn, apparently due to failure of pump drive assembly. Impact was 730 miles downrange.
34. J-15, 31 Mar 61, Response Mode 4, Flight Phase 1: Booster shut down prematurely at 74 seconds. Missile subsequently tumbled and broke up.
37. M-1, 24 Jun 61, Response Mode 4T, Flight Phase 2: Stage II engine shut down prematurely after 12 seconds of operation due to loss of Stage II hydraulic power. Loss of hydraulic power occurred during Stage I flight, so failure led to loss of control of sustainer and vernier actuators, producing excessive missile motion and tumbling.
42. M-3, 7 Sep 61, Response Mode 5, Flight Phase 2: A transient in guidance computer at 218.35 seconds (SECO at 297.7 seconds) caused impact 20 miles short and 2.8 miles left of target.
45. M-4, 6 Oct 61, Response Mode 5, Flight Phase 2: A one-bit error in the W velocity accumulation caused impact 86 miles short and 14 miles right of target.
50. M-6, 15 Dec 61, Response Mode 4, Flight Phase 2: Start signal for Stage II was not generated. Stage II did not ignite.
51. I, 20 Jan 62, Response Mode 4, Flight Phase 2: Missile self-destructed, apparently after Stage 2 failed to ignite. A backup automatic fuel-cutoff signal was sent at 248 Seconds.
53. I, 23 Feb 62, Response Mode 4, Flight Phase 2: Missile self-destructed, apparently after Stage 2 failed to ignite. A backup automatic fuel cutoff signal was sent at 240 Seconds.
56. N-1, 7 Jun 62, Response Mode 4, Flight Phase 2: Sustainer engine performance was subnormal due to reduced oxidizer flow through the gas generator. RSO terminated flight after a prolonged sustainer burn. Impact only 1100 miles downrange.
58. N-4, 25 July 62, Response Mode 4, Flight Phase 2: After about 60 seconds of Stage II burn, a fuel leak between the thrust chamber valve and the injector resulted in a