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| **Titan Missile Technical Information** |

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| **Titan-I Launch Sequence** |

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| The launch sequence took approximately 15 minutes. After receiving a launch order, the crew filled the missile's tanks with 200,000 pounds of liquid oxygen and RP-1. After the missile was fueled, it rode to the surface on the silo elevator and then was fired. The flight began with the ignition of the large first-stage engine that burned for 134 seconds and propelled the missile to an altitude of 35 miles.  As the first stage expired and fell away, the second stage fired; it burned for another 156 seconds, boosting the missile to an altitude of150 miles and a velocity of 22,554 feet per second.  After the second stage fen silent, two small Vernier engines fired for an additional 50 seconds making final course corrections to the trajectory.  After the Vernier engines burned out, the reent6 vehicle carrying the war-head followed a ballistic trajectory, and at the apogee of its flight soared to an altitude of 541 miles above the earth's surface. Time elapsed for a 5,500 mile flight: 33 minutes. |