
GPS OUTAGE FORM

Please answer the following questions regarding degrading or loss of GPS service:

1. What problem did the receiver indicate? _____
2. What was the duration and number (approximate) of known occurrences?

3. What was the date and time in which these occurred? _____
4. Did any operator (you) action help? _____

General Information:

1. Location of problem? (GPS position, Lat. and Long., or nearest city or landmark, etc.)

2. Type of equipment? (receiver model, antenna type, etc.) _____
3. Type of installation? (near tall buildings, trees, TV or radio antennas, etc.) _____
4. Your name and telephone number? _____

URL: <http://www.navcen.uscg.mil>

Address: U.S. Coast Guard
Navigation Center
7323 Telegraph Road
Alexandria, VA 22310-3998

GPS Performance is affected in some basic ways:

1. Signal in Space is a category of problems in satellite transmission, code generation, satellite upload, satellite position, space environmental degradation, etc.
2. Blockage / Masking occurs when radiated SV signals are prohibited in reaching the receiver antenna systems; such as when traveling through a tunnel, under a dense forest canopy, when indoors, etc.
3. Interference can occur when high electromagnetic conditions exist.
4. Equipment Failures (either hardware or software) can include loss of power supply, software bugs, physical damage to the system, etc.
5. Integrations are sources of discrepancies due to interfaces with host vehicles, embedded systems, power, antenna orientation, output formats, etc.
6. Operator error occurs by inadequate training, miss-keying, improper installation or use and set-up, etc.

Note: All problem reports are collected and coordinated through the appropriate product team that addresses that issue. A recommendation is presented to a review board that decides what action is to be taken regarding the reported problem.
