ANNEX M

NGS GNSS ANTENNA CODES

All antenna calibrations published on the NGS ANTCAL web page have been approved for use in all GNSS products and services.

As of the publication of this document, the "Absolute" values rather than relative values should be used when processing data with CORS coordinates currently in IGS08 epoch 2005.00 and NAD 83(2011,MA11,PA11) epoch 2010.00 coordinates. These calibrations are different from earlier NGS relative calibration. For more information on the new CORS coordinates see: http://geodesy.noaa.gov/CORS/coords.shtml

If you unable to find calibrations for your antenna, NGS will calibrate geodetic-grade antennas submitted by manufacturers and interested parties. Please consult the FAQ and the AntCal Procedures for more information. The first record field of this table lists the GPS Antenna Codes to be used in the *72* record, which superseded the *71* record in 2002 for listing antenna types/serial numbers for a project. Older Blue Book files that have *71* records are no longer accepted by NGS.

The first three characters of the GPS ANTENNA CODE represent an abbreviation for the manufacturer. For most antennas the model number or part number is also represented as part of the GPS ANTENNA CODE, as is the type of radome used. The second record field gives a brief description of each antenna.

If you are using a dual-frequency geodetic GPS antenna that is not listed in the NGS ANTCAL web page, please email ngs.bluebook@noaa.gov if you know the antenna has been tested (it shows up in http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Data=GPS/ant_info.003). Email ngs.cors@noaa.gov if it has not been tested so we can make arrangements to derive an antenna pattern and antenna code for that antenna. Please note: NGS cannot accept bluebook projects with antennas that have not been calibrated.