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Glossary

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6 GPS Quality indicator:

0: Fix not valid

1: GPS fix

2: Differential GPS fix (DGNSS), SBAS, OmniSTAR VBS,
Beacon, RTX in GVBS mode

3: Not applicable

4: RTK Fixed, xFill

5: RTK Float, OmniSTAR XP/HP, Location RTK, RTX

6: INS Dead reckoning

7 Number of SVs in use, range from 00 through to 24+

8 HDOP

9 Orthometric height (MSL reference)

10 M: unit of measure for orthometric height is meters

11 Geoid separation

12 M: geoid separation measured in meters

13 Age of differential GPS data record, Type 1 or Type 9. Null
field when DGPS is not used.14 Reference station ID, range 0000 to 4095. A null field
when any reference station ID is selected and no
corrections are received. See table below for a description
of the field values.

15 The checksum data, always begins with *

NOTE – If a user-defined geoid model, or an inclined plane is loaded into the receiver, then the height output in the NMEA GGA string is always the orthometric height (height above a geoid). The orthometric height is output even if no user-defined geoid is loaded (there is a simplified default geoid in the receiver), or if a user-defined geoid is loaded, or if an inclined plane is used.

When using one of the MSS (Mobile Satellite Services), the **Reference Station ID** field indicates the following services:

Reference Station ID	Service
0002	CenterPoint or ViewPoint RTX