

### 3.2.56 GPVTG

#### Track made good and ground speed

**OEM Platform: 615, 617, 617D, 628, 638, FlexPak6, FlexPak6D, ProPak6**

This log contains the track made good and speed relative to the ground.

The GPVTG log outputs these messages without waiting for a valid almanac. Instead, it uses a UTC time, calculated with default parameters. In this case, the UTC time status is set to WARNING since it may not be one hundred percent accurate. When a valid almanac is available, the receiver uses the real parameters. Then the UTC time status is set to VALID.

**Message ID:** 226  
**Log Type:** Synch

**Recommended Input:**

log gpvtg ontime 1

**Example 1 (GPS only):**

```
$GPVTG,172.516,T,155.295,M,0.049,N,0.090,K,D*2B
```

**Example 2 (Combined GPS and GLONASS):**

```
$GNVTG,134.395,T,134.395,M,0.019,N,0.035,K,A*33
```



If the NMEATALKER command, see [page 219](#), is set to AUTO, the talker (the first 2 characters after the \$ sign in the log header) is set to GP (GPS satellites only), GL (GLONASS satellites only) or GN (satellites from both systems). See the GPGGA usage box that applies to all NMEA logs on [page 474](#).

Field	Structure	Field Description	Symbol	Example
1	\$GPVTG	Log header		\$GPVTG
2	track true	Track made good, degrees True	x.x	24.168
3	T	True track indicator	T	T
4	track mag	Track made good, degrees Magnetic; Track mag = Track true + (MAGVAR correction) See the <i>MAGVAR</i> command, <a href="#">page 211</a>	x.x	24.168
5	M	Magnetic track indicator	M	M
6	speed Kn	Speed over ground, knots	x.x	0.4220347
7	N	Nautical speed indicator (N = Knots)	N	N
8	speed Km	Speed, kilometres/hour	x.x	0.781608
9	K	Speed indicator (K = km/hr)	K	K
10	mode ind	Positioning system mode indicator, see <a href="#">Table 107</a> on <a href="#">page 492</a>	a	A
11	*xx	Checksum	*hh	*7A
12	[CR][LF]	Sentence terminator		[CR][LF]