### RMC - The “Recommended Minimum” sentence defined by NMEA for GPS/Transit system data.

**$GPRMC,hhmmss.000,status,latitude,N,longitude,E,spd,cog,ddmmyy,mv,mve,mode\*cs<CR><LF>**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | ASCII String | | Units | Description | |
| Format | Example |
| $GPRMC | string | $GPRMC |  | Message ID | RMC protocol header |
| hhmmss | hhmmss.sss | 083559.00 |  | UTC Time | Time of position fix |
| status | character | A |  | Status | V = Navigation receiver warning A = Data valid. See [Position Fix Flags in NMEA Mode](mk:@MSITStore:C:\Users\wedo\Desktop\Training\GPS\ANTARIS_Protocol_Specification(GPS.G3-X-03002).chm::/group__STD__NMEA.html) |
| latitude | ddmm.mmmm | 4717.11437 |  | Latitude | User datum latitude degrees, minutes, decimal minutes format |
| N |  | N |  | N/S Indicator | N=north or S=south |
| longitude | ddmm.mmmm | 00833.91522 |  | Longitude | User datum latitude degrees, minutes, decimal minutes format |
| E | character | E |  | E/W indicator | E=east or W=west |
| Spd | numeric | 0.004 | knots | Speed | Speed Over Ground |
| cog | numeric | 77.52 | degrees | COG | Course Over Ground |
| ddmmyy | ddmmyy | 091202 |  | Date | Current Date in Day, Month Year format |
| mv | numeric |  | degrees | Magnetic variation value | Not being output by receiver |
| mvE | character |  |  | Magnetic variation E/W indicator | Not being output by receiver |
| mode |  |  |  | Mode Indicator | See [Position Fix Flags in NMEA Mode](mk:@MSITStore:C:\Users\wedo\Desktop\Training\GPS\ANTARIS_Protocol_Specification(GPS.G3-X-03002).chm::/group__STD__NMEA.html) |
| cs | hexadecimal | \*53 |  | Checksum |  |
| <CR> <LF> |  |  |  |  | End of message |

***Example:***

**$GPRMC,071802.00,A,4717.11437,N,00833.91522,E,0.004,77.52,14072011,,,A\*57**