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' GPS Test Program 3
Option EXPLICIT
SetPin GP5,GP4,COM2

Dim l$,a$
Dim Fun$,Tme$,Vld$,Lat$,LatD$,Lng$,LngD$,Spd$,Crse$,Dte$,Mag$,Csum$

Open "COM2:9600" As 1

Do
  Line Input #1,l$
  Print l$
Loop While Left$(l$,6)<>"$GPRMC"

Print "Start: " Time$
Print "$GPRMC Testing"
Timer =0
Do
  Input #1, Fun$,Tme$,Vld$,Lat$,LatD$,Lng$,LngD$,Spd$,Crse$,Dte$,Mag$,a$,Csum$

  If Fun$="$GPRMC" Then
    If Dte$<>"051121" Then
      Print "Function:" Fun$
      Print "Time of fix UTC:" tme$
      Print "Receiver Warning A = OK, V = warning:" Vld$
      Print "Latitude:" Lat$ LatD$
      Print "Longitude:" Lng$ LngD$
      Print "Speed over ground, Knots:" Spd$
      Print "Course Made Good:" Crse$
      Print "Date of fix:" Dte$
      Print "Magnetic variation:" Mag$
      Print "Mandatory checksum:" Csum$
      Print "Timer:" Timer
      Print "End:" Time$
      Close #1
    End
  EndIf
EndIf

If Timer>300000 Then
  Print Time$
  Timer =0
EndIf

Loop

Close #1

```