

```

'----- GPS_MONI-----
'
'   geliefertes Format:
'-> $GPGGA,072344.187,5141.6192,N,00752.0280,E,1,06,1.6,119.9,M,47.4,M,0.0,0000*7B
'   $GPGLL,5141.6192,N,00752.0280,E,072344.187,A*3B
'   $GPGSA,A,3,13,23,11,17,04,20,,,,,,,,,2.6,1.6,2.1*31
'   $GPGSV,3,1,10,23,78,167,47,20,55,091,36,13,50,213,45,04,41,300,32*7D
'   $GPGSV,3,2,10,17,22,237,44,31,21,042,00,11,14,157,46,01,10,049,00*77
'   $GPGSV,3,3,10,25,09,173,00,02,08,314,00*7F
'   $GPRMC,072344.187,A,5141.6192,N,00752.0280,E,0.04,342.98,070707,,*0B
'-> $GPVTG,342.98,T,,M,0.04,N,0.1,K*61
'   $GPMSS,0,0,0.000000,200,*5A
'
'-> : nur diese Zeilen werden benötigt
'
'
'$prog &HFF , &HEF , &HD9 , &H00           ' Fuse-Bits

$regfile = "m8def.dat"
$crystal = 12000000

Config Lcd = 20 * 4
Config Lcdpin = Pin , Db4 = Portc.0 , Db5 = Portc.1 , Db6 = Portc.2 , Db7 = Portc.3 , E = Portc.4 , Rs =
Portc.5

'-----für RS232-----

$baud = 4800

On URXC OnRXD           'Interrupt-Routine setzen
Enable URXC

Dim ser_buf(2) As String * 82           'max 2 x 82 Zeichen bei GPS
DIM s11 as String * 11
DIM zeile1 as Byte
DIM zeile2 as Byte
DIM i as Integer
DIM arr(13) as String * 11

Sreg.7 = 1           'Interrupts freigeben

'-----Main-----

Ddrb.1 = 1           'LED zum Blinken

cls
cursor off noblink

lcd "Warten auf GPS-Maus.";
locate 3 , 1
lcd "(c) DiLi-Soft";
locate 4 , 1
lcd "10.07.2007";
wait 2           'Maus-Init abwarten

print "$PSRF103,00,00,01,00*24"           'GGA einschalten ohne Checksum
print "$PSRF103,05,00,01,00*21"           'VTG einschalten ohne Checksum
print "$PSRF103,01,00,00,01*25"           'GLL abschalten
print "$PSRF103,02,00,00,01*26"           'GSA abschalten
print "$PSRF103,03,00,00,01*27"           'GSV abschalten
print "$PSRF103,04,00,00,01*20"           'RMC abschalten
print "$PSRF103,06,00,00,01*22"           'MSS abschalten

do
  s11 = left(ser_buf(1) , 5)
loop until s11 = "GPGGA" or s11 = "GPVTG"
locate 2 , 1
lcd "GPS-Maus gefunden!";
wait 1

if s11 = "GPGGA" then
  zeile1=1
  zeile2=2
else
  zeile1 = 2
  zeile2=1

```



```
OnRXD:
    UDR_buf = UDR                                'Byte aus UART lesen
    Select Case UDR_Buf
    Case 13 :
    Case 10 : Incr ser_col
                If ser_col = 3 Then
                    ser_col = 1
                End If
    Case "$" : ser_buf(ser_col) = ""
    Case Else
        If Len(ser_buf(ser_col)) < 82 Then
            ser_buf(ser_col) = ser_buf(ser_col) + Chr(UDR_buf)
        End If
    End Select
Return
```