SMM C/P   1980 DOY108   358 +/-   0 degrees

height = h + velocity*time          # data points =   2

Edge of Bright Front  cloud

S=SMM   M=MK3   P=PMON

SMM & MK3 - CORRECTED TIMES

height [solar radii]

6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00

13:00   13:30   14:00   14:30   15:00   15:30   16:00
DOY108
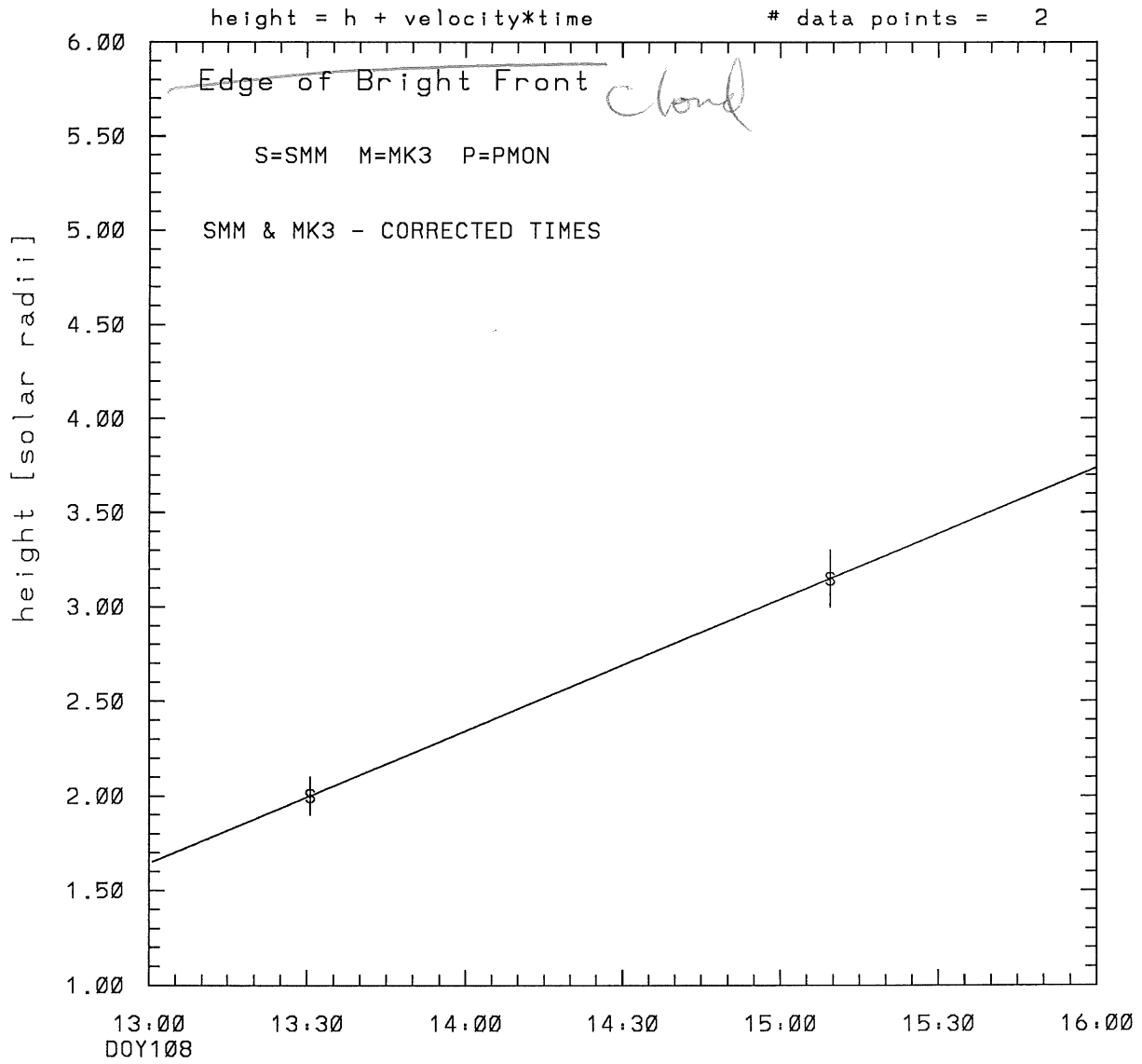
tstart=DOY108 12: 5 +/-        0.0 [min.]
radial velocity=  135. +/-    0. [km/sec]

```
*********************
This is a 1 order run
*********************


*******
INPUT:
*******
```

|          |     |          | error in | error in |       |          |
|----------|-----|----------|----------|----------|-------|----------|
| year doy | time | radii | radius | angle | angle | datatype |
| 1980 108 | 13:30:38 | 2.00 +/- 0.10 | | 358.0 +/- 0.5 | | SMM |
| 1980 108 | 15: 9:30 | 3.15 +/- 0.15 | | 358.0 +/- 1.0 | | SMM |

```
*****************************************
 Structure being measured:
Edge of Bright Front
*****************************************


*******
 OUTPUT:
*******


START TIME:


Event began at t = 0 + -0.553E+02 +/-  0.000E+00 [minutes]
In more convenient units:
Event began at DOY 108 12: 5 +/-  0.000E+00 [minutes]


Origin defined at DOY108 13: 0

RADIAL INFORMATION:

RADIAL VELOCITY =   135. +/-    0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:


    c(1) =   0.164E+01 +/-   0.563E-06 [solar radii]
    c(2) =   0.116E-01 +/-   0.739E-08 [radii/min]
    c(2) =   0.135E+03 +/-   0.857E-04 [km/sec]
    c(3) =   0.000E+00 +/-   0.000E+00 [radii/min**2]
    c(3) =   0.000E+00 +/-   0.000E+00 [km/sec**2]


ANGULAR INFORMATION:

ANGULAR VELOCITY =  0.0000E+00 +/-   0.0000E+00[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 358. +/-   0. [degrees]
a(2) =    0.000E+00 +/-   0.000E+00 [degrees/min]
a(2) =    0.000E+00 +/-   0.000E+00 [rad/sec]
a(3) =    0.000E+00 +/-   0.000E+00 [degrees/min**2]
a(3) =    0.000E+00 +/-   0.000E+00 [rad/sec**2]
```

THE TANGENTIAL AND TOTAL VELOCITIES AT EACH DATA POINT ARE:
The TANGENTIAL velocity at 13:30 = 0.000E+00 km/sec
The TOTAL velocity at 13:30 = 135. km/sec

The TANGENTIAL velocity at 15: 9 = 0.000E+00 km/sec
The TOTAL velocity at 15: 9 = 135. km/sec


*********************************************************
 The following info is for estimating goodness of the fit
*********************************************************


Number data points = number of coefficients.  No error  analysis is possible.

Correlation coefficient is not computable!