SMM C/P   1989 DOY155   20 +/-   0 degrees

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

Top of Prominence Loop
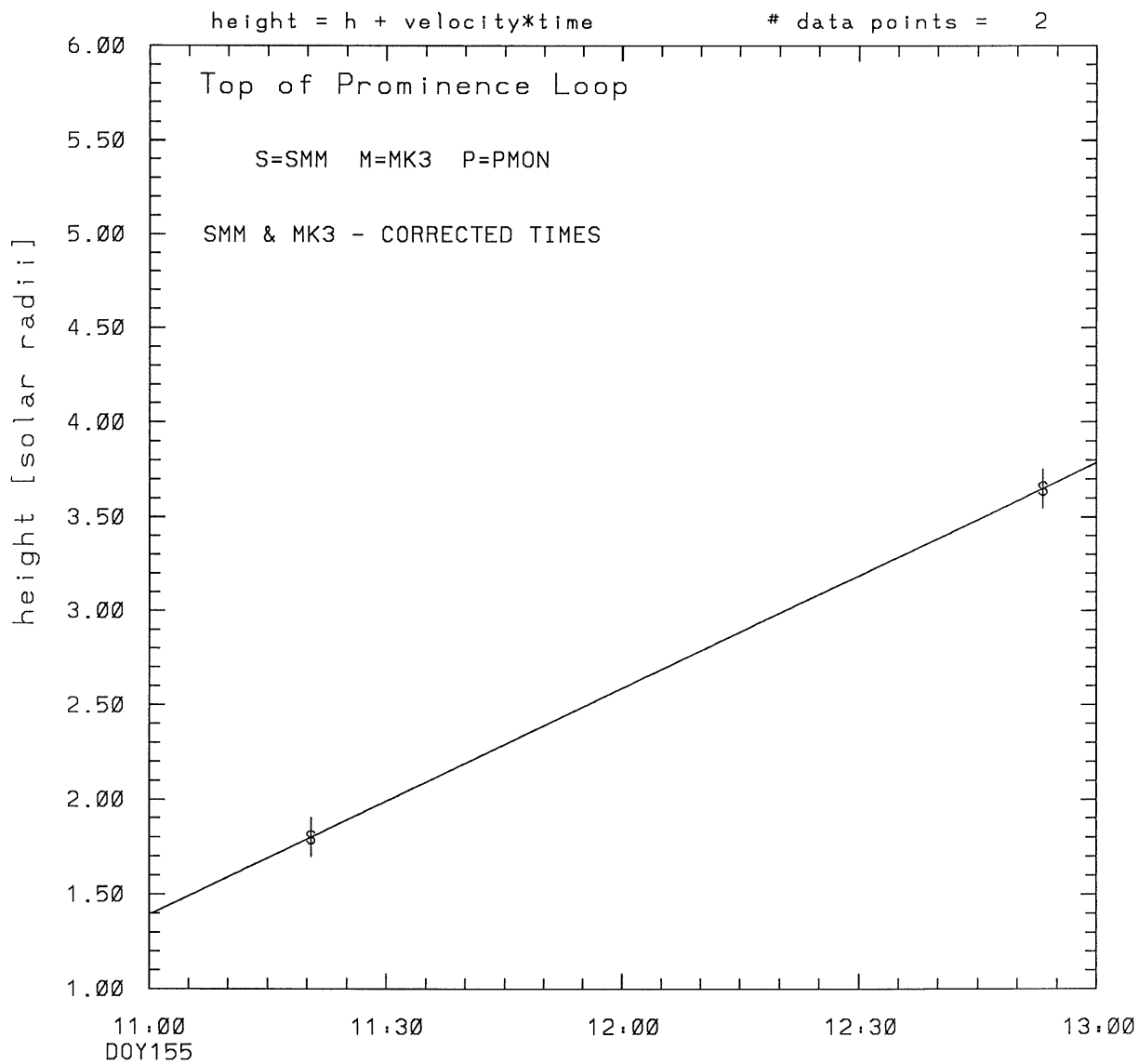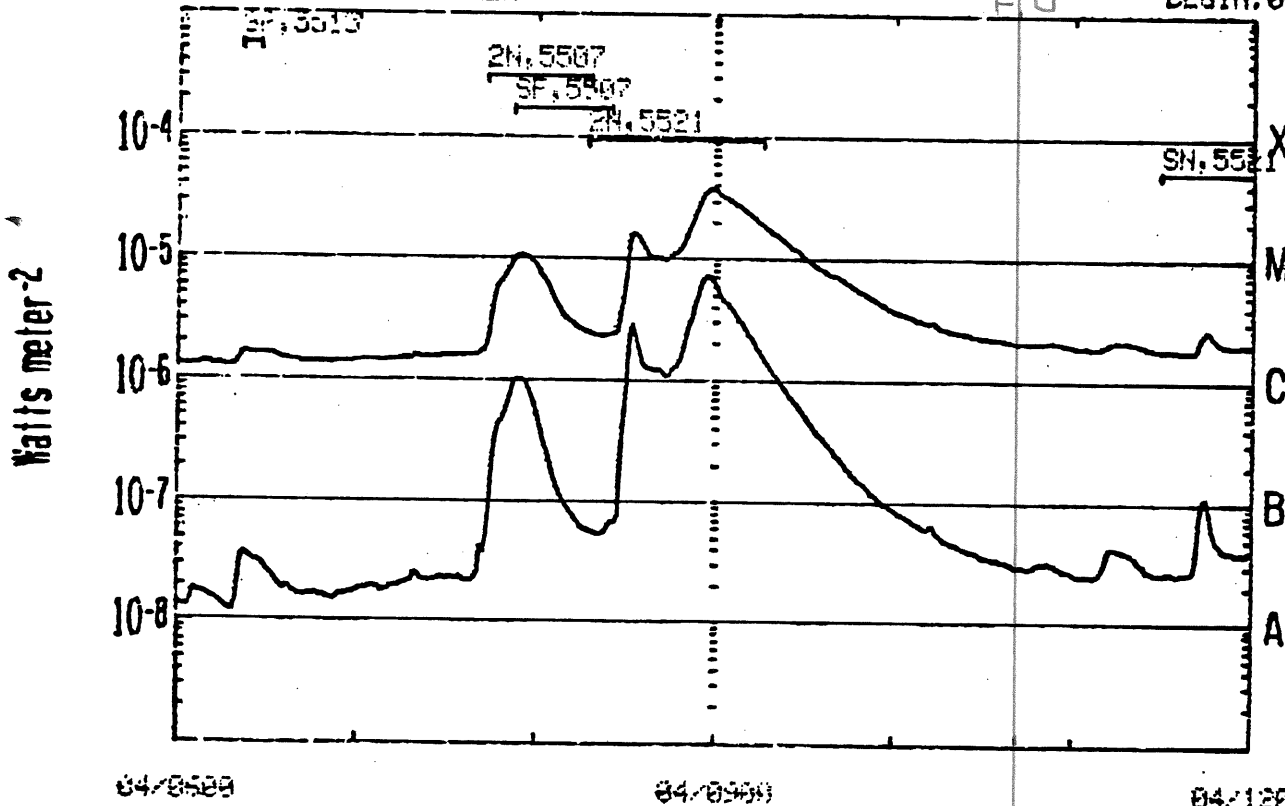
S=SMM   M=MK3   P=PMON

SMM & MK3 - CORRECTED TIMES

height [solar radii]

tstart=DOY155 10:42 +/-   0.0 [min.]
radial velocity=   231. +/-   0. [km/sec]

1989 DOY 155

Top of Prominence Loop, center =19°
[10:42], first order only

ADD LOW OPTICAL DATA TOGETHER.

STOP
Reg..

SF,5519

2N,5507
SF,5507
2N,5521

SN,5521

X

M

C

B

A

10⁻⁴

10⁻⁵

10⁻⁶

10⁻⁷

10⁻⁸

Watts meter⁻²

GOES 7 1.0-8.0A

GOES 7 0.5-4.0A

OPTICAL FLARES

04/0500   04/0900   04/1200

SAA's
NIGHT

GOES-7 1 MIN DATA;   OPTICAL FLARE DUR, IMP, REGION

RUN: 1955UT
7 JUN 89

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

****
INPUT:
****

| | | error in | | error in | |
year doy	time	radii	radius	angle	angle	datatype
1989 155	11:20:29	1.80 +/- 0.10		20.0 +/- 0.5		SMM
1989 155	12:53:14	3.65 +/- 0.10		20.0 +/- 1.0		SMM

****
Structure being measured:
Top of Prominence Loop
****

****
OUTPUT:
****

START TIME:

Event began at t = 0 + -0.196E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 155 10:42 +/- 0.000E+00 [minutes]

Origin defined at DOY155 11: 0

RADIAL INFORMATION:

RADIAL VELOCITY =   231. +/-   0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) =   0.139E+01 +/-   0.000E+00 [solar radii]
c(2) =   0.199E-01 +/-   0.000E+00 [radii/min]
c(2) =   0.231E+03 +/-   0.000E+00 [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) = 20. +/-   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 11:20 =   0. km/sec
The TOTAL velocity at 11:20 = 231. km/sec

The TANGENTIAL velocity at 12:53 =   0. km/sec
The TOTAL velocity at 12:53 = 231. 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!