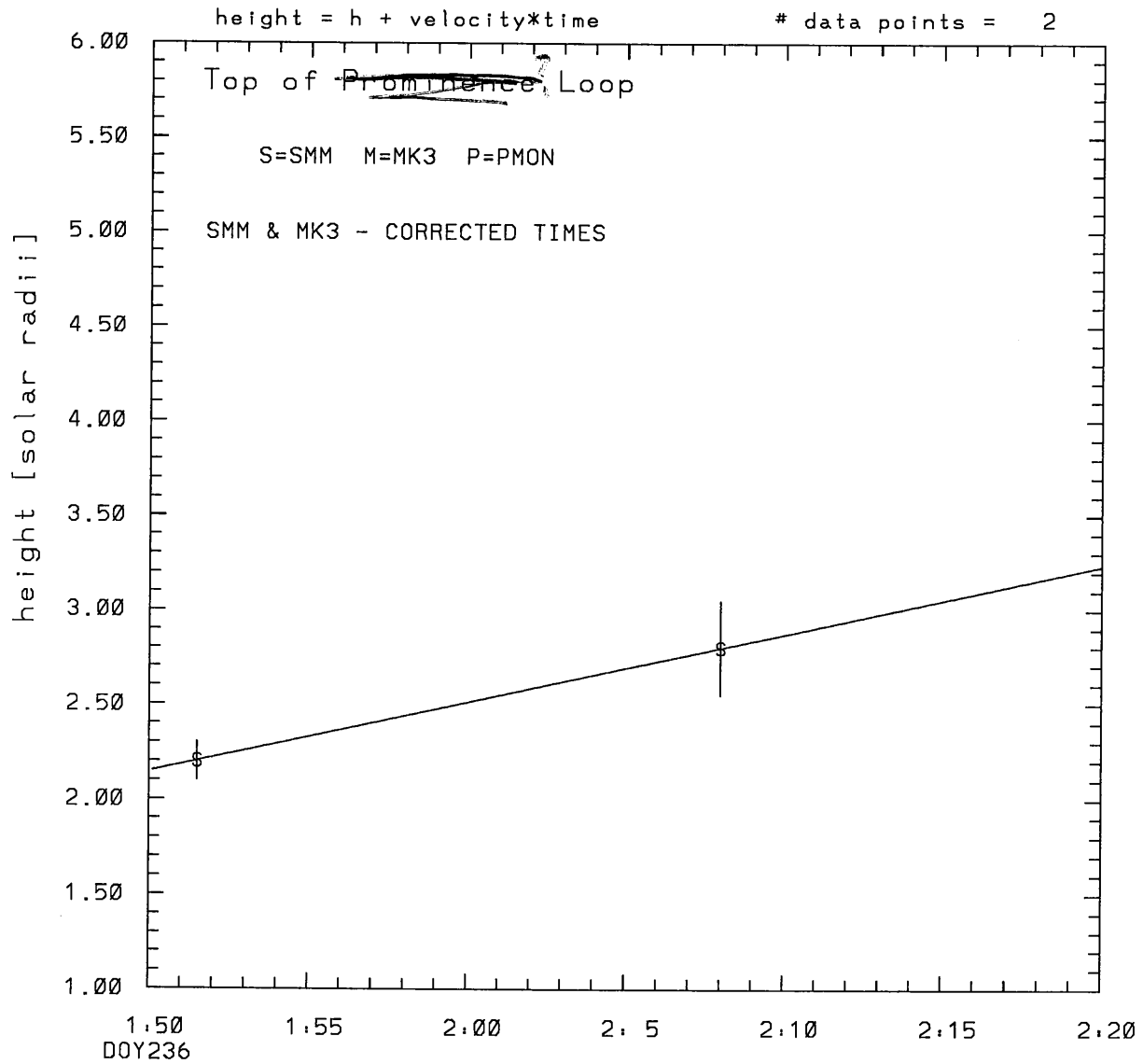


SMM C/P 1989 DOY236 143 +/- 0 degrees

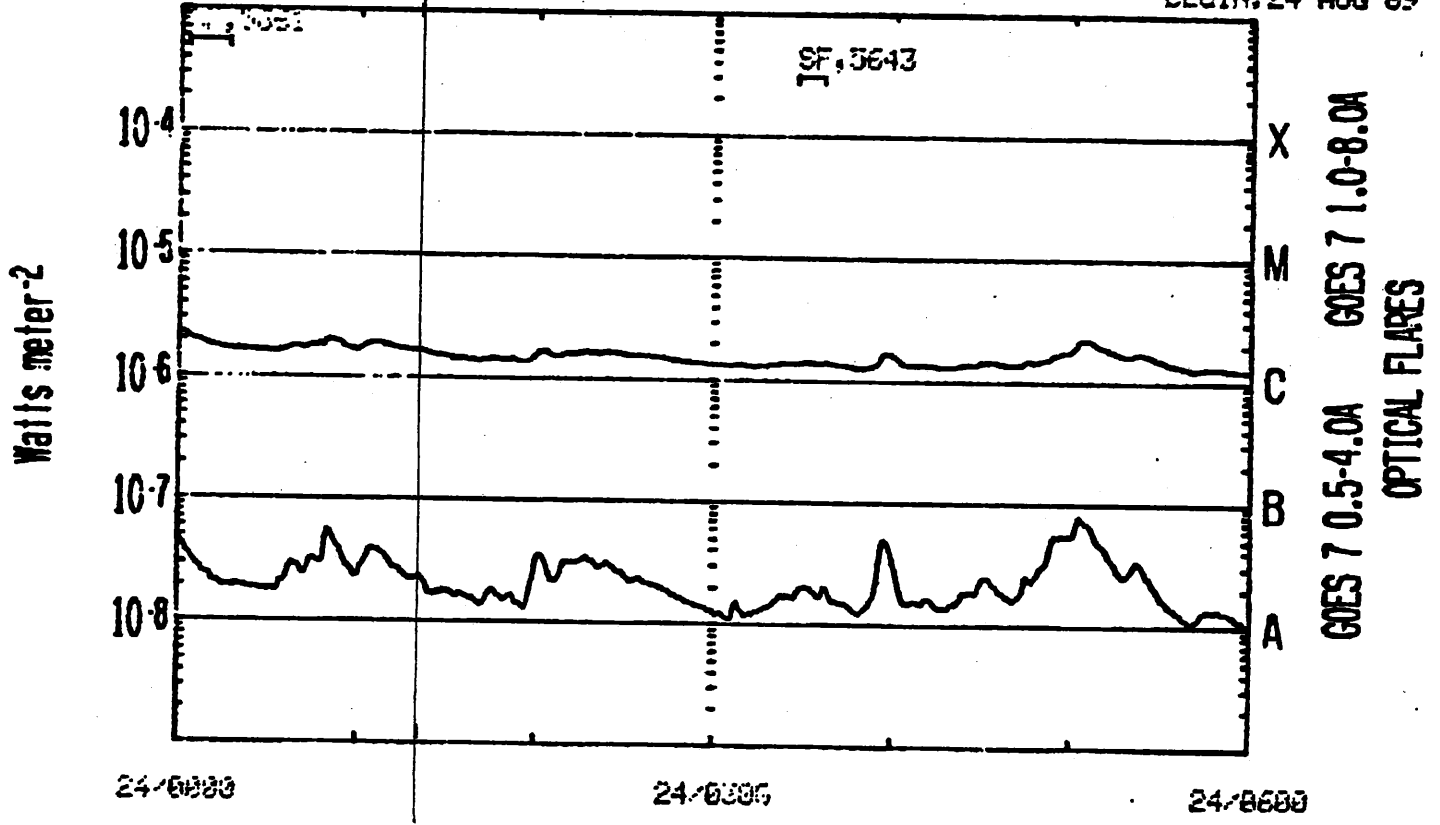


tstart=DOY236 1:19 +/- 0.0 [min.]  
radial velocity= 422. +/- 0. [km/sec]

Top of Prominence Loop center = 137°  
[1:14] 151 order only

1989 DOY 236

STOP and OPTION. DATA TOGETHER STOP Ret., BEGIN: 24 AUG 89



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

BUH: 1409UT  
28 AUG 89

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

\*\*\*\*\*  
INPUT:  
\*\*\*\*\*

| year | doy | time    | radii | error in radius | error in angle | datatype |
|------|-----|---------|-------|-----------------|----------------|----------|
| 1989 | 236 | 1:51:31 | 2.20  | +/- 0.10        | 143.0 +/- 0.5  | SMM      |
| 1989 | 236 | 2: 8: 1 | 2.80  | +/- 0.25        | 143.0 +/- 0.5  | SMM      |

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

\*\*\*\*\*  
OUTPUT:  
\*\*\*\*\*

START TIME:

Event began at t = 0 + -0.315E+02 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 236 1:19 +/- 0.000E+00 [minutes]

Origin defined at DOY236 1:50

RADIAL INFORMATION:

RADIAL VELOCITY = 422. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.214E+01 +/- 0.227E-06 [solar radii]  
c(2) = 0.364E-01 +/- 0.331E-07 [radii/min]  
c(2) = 0.422E+03 +/- 0.384E-03 [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) = 143. +/- 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 1:51 = 0. km/sec

The TOTAL velocity at 1:51 = 422. km/sec

The TANGENTIAL velocity at 2: 8 = 0. km/sec

The TOTAL velocity at 2: 8 = 422. 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!