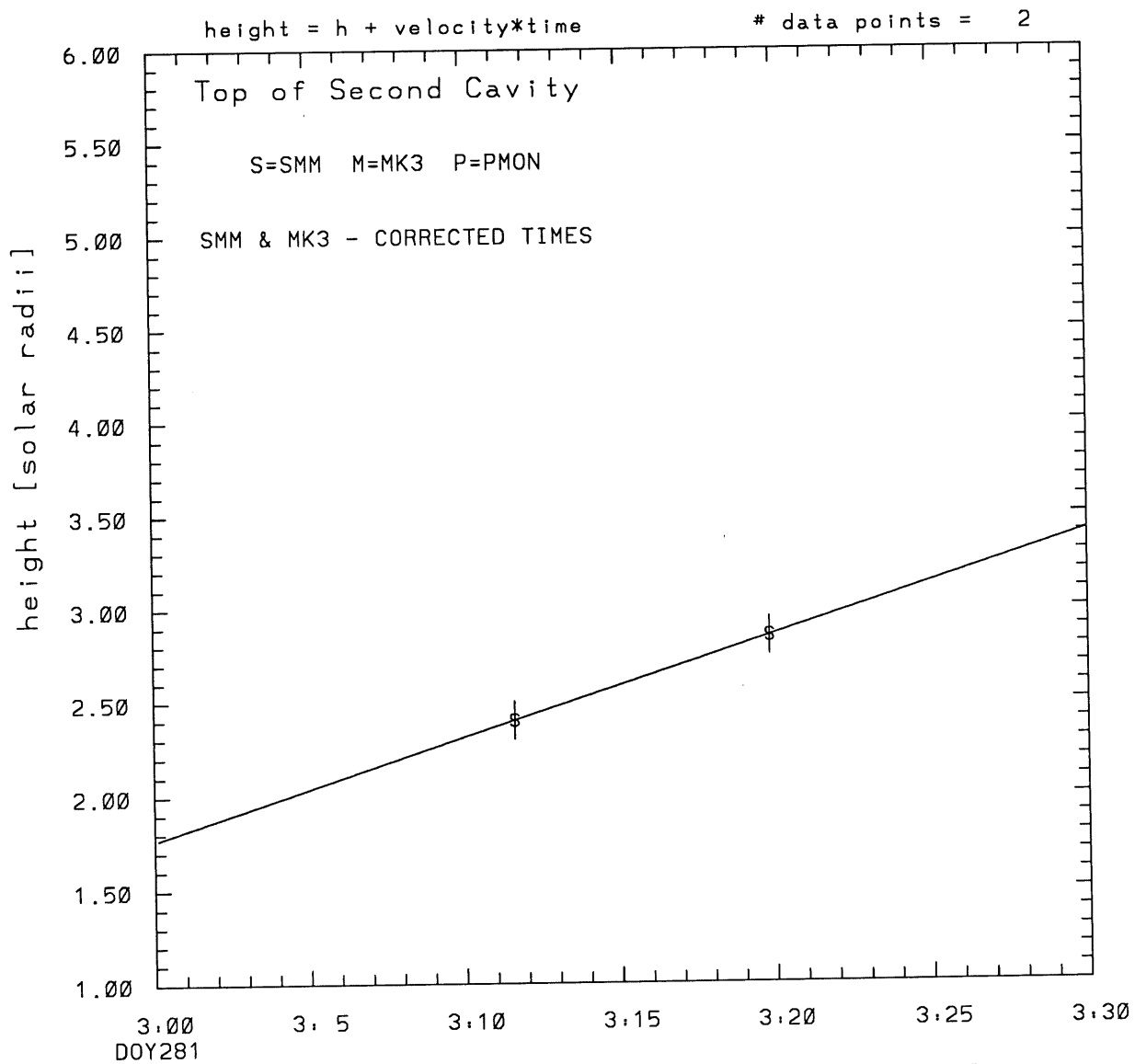


SMM C/P 1989 DOY281 145 +/- 0 degrees

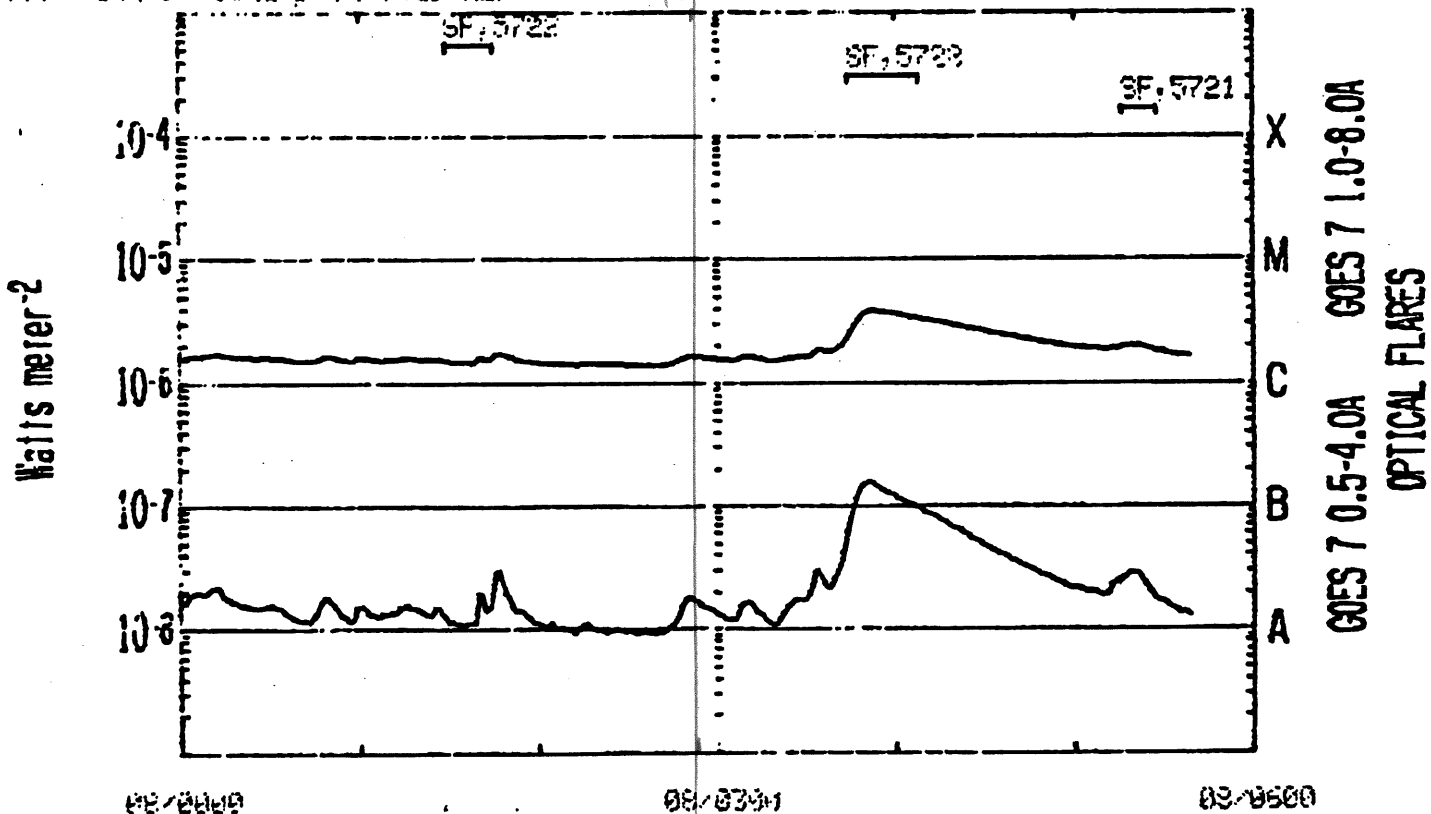


tstart=DOY281 2.46 +/- 0.0 [min.]  
radial velocity= 634. +/- 0. [km/sec]

1989 DOY 281

FROM THE ORIGINAL DATA TOGETHER

BEGIN: 08 OCT 89



SAA's  
NIGHT

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

RUN: 1312UT  
11 OCT 89

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

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

| year | day | time    | radii         | radius        | error in angle | error in angle | datatype |
|------|-----|---------|---------------|---------------|----------------|----------------|----------|
| 1989 | 281 | 3:11:36 | 2.40 +/- 0.10 | 145.0 +/- 0.5 |                |                | SMM      |
| 1989 | 281 | 3:19:50 | 2.85 +/- 0.10 | 145.0 +/- 0.5 |                |                | SMM      |

\*\*\*\*\*  
Structure being measured:  
Top of Second Cavity  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.140E+02 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 281 2:46 +/- 0.000E+00 [minutes]  
  
Origin defined at DOY281 3: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 634. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.177E+01 +/- 0.520E-05 [solar radii]  
c(2) = 0.547E-01 +/- 0.320E-06 [radii/min]  
c(2) = 0.634E+03 +/- 0.371E-02 [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) = 145. +/- 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 RADIAL velocity at 3:11 = 634. km/sec

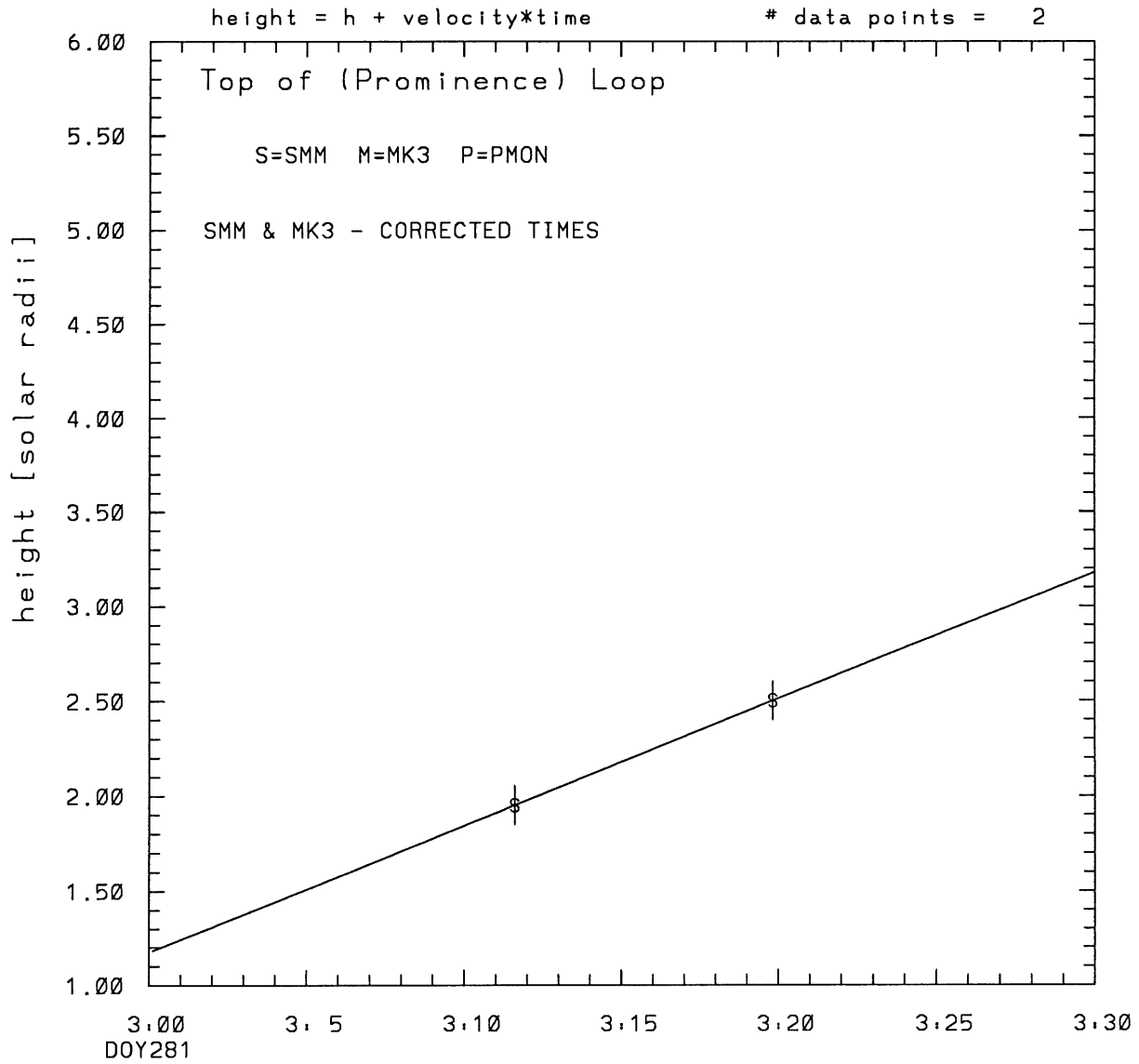
The RADIAL velocity at 3:19 = 634. km/sec

\*\*\*\*\*  
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!

SMM C/P 1989 DOY281 145 +/- 0 degrees



tstart=DOY281 2:59 +/- 0.0 [min.]  
radial velocity= 775. +/- 0. [km/sec]

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

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

| year | doy | time    | radii    | radius | error in angle | error in angle | datatype |
|------|-----|---------|----------|--------|----------------|----------------|----------|
| 1989 | 281 | 3:11:36 | 1.95 +/- | 0.10   | 145.0 +/-      | 0.5            | SMM      |
| 1989 | 281 | 3:19:50 | 2.50 +/- | 0.10   | 145.0 +/-      | 0.5            | SMM      |

\*\*\*\*\*  
Structure being measured:  
Top of (Prominence) Loop  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.262E+01 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 281 2:59 +/- 0.000E+00 [minutes]

Origin defined at DOY281 3: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 775. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.118E+01 +/- 0.000E+00 [solar radii]  
c(2) = 0.668E-01 +/- 0.000E+00 [radii/min]  
c(2) = 0.775E+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) = 145. +/- 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 RADIAL velocity at 3:11 = 775. km/sec

The RADIAL velocity at 3:19 = 775. 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!