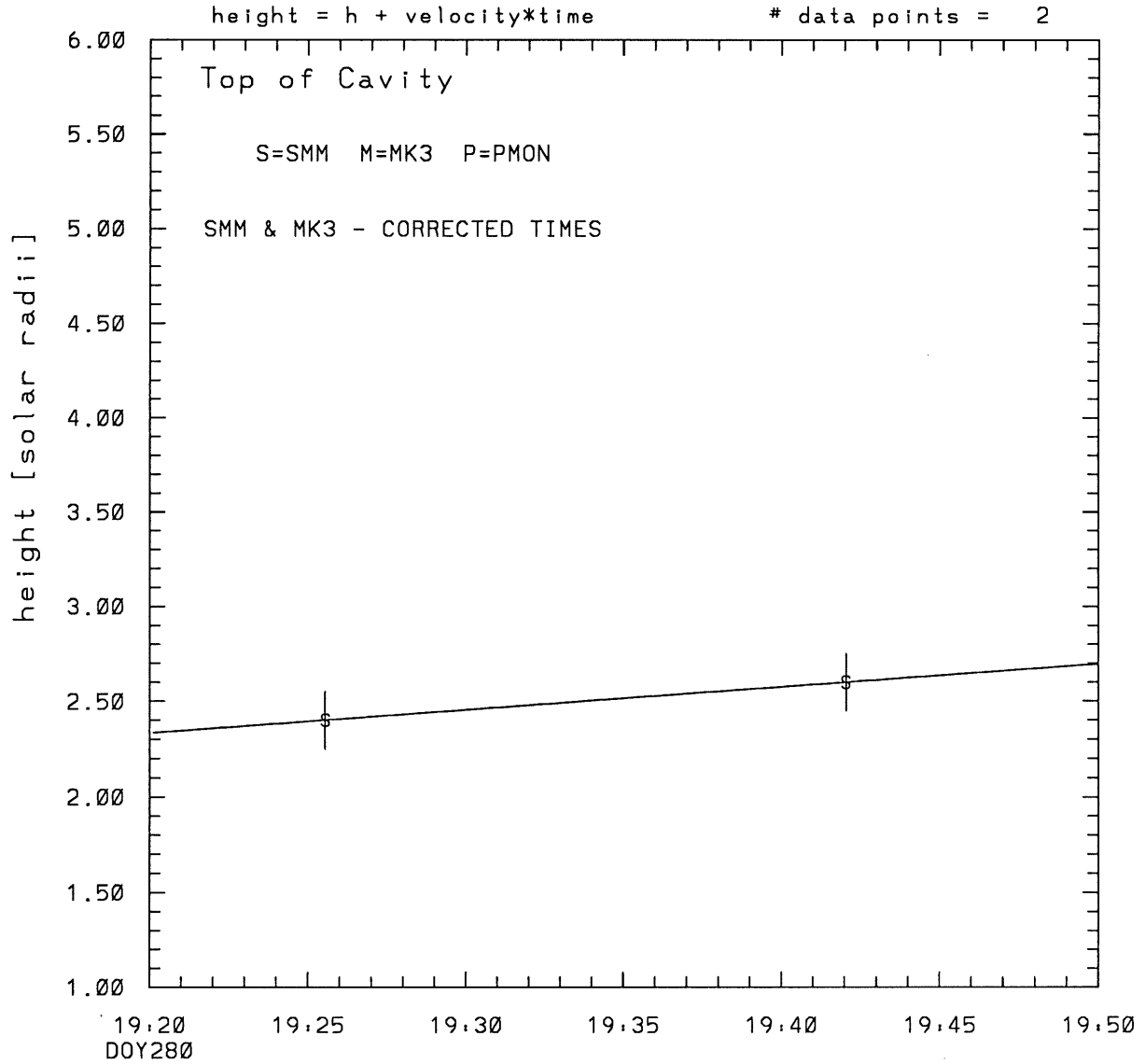


SMM C/P 1989 DOY280 120 +/- 0 degrees



tstart=DOY280 17:32 +/- 0.0 [min.]  
radial velocity= 141. +/- 0. [km/sec]

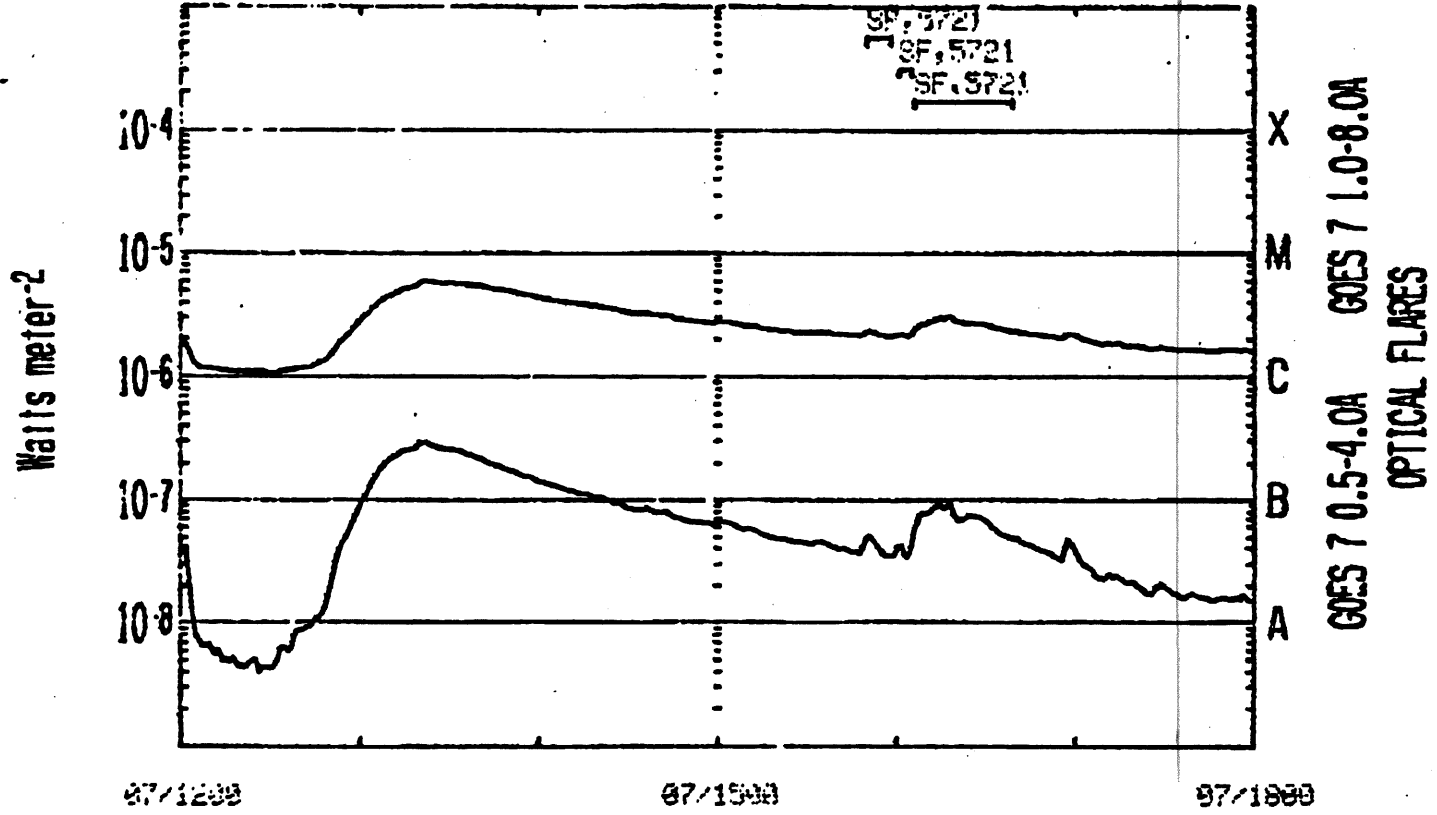
1989 DOY 280

Top of cavity center = 122°  
[17:35] T&E order only

100% OF OPTICAL DATA TOGETHER

STOP  
MAG.

BEGIN: 07 OCT 89



GOES 7 0.5-4.0A OPTICAL FLARES  
GOES 7 1.0-8.0A

SAA's  
NIGHT

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

RUN: 1806UT  
11 OCT 89

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

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

| year | doy | time     | radii    | radius | error in angle | error in angle | datatype |
|------|-----|----------|----------|--------|----------------|----------------|----------|
| 1989 | 280 | 19:25:33 | 2.40 +/- | 0.15   | 120.0 +/-      | 0.5            | SMM      |
| 1989 | 280 | 19:42: 3 | 2.60 +/- | 0.15   | 120.0 +/-      | 0.5            | SMM      |

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

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

START TIME:

Event began at t = 0 + -0.110E+03 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 280 17:32 +/- 0.000E+00 [minutes]

Origin defined at DOY280 19:20

RADIAL INFORMATION:

RADIAL VELOCITY = 141. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.233E+01 +/- 0.000E+00 [solar radii]  
c(2) = 0.121E-01 +/- 0.000E+00 [radii/min]  
c(2) = 0.141E+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) = 120. +/- 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 19:25 = 141. km/sec

The RADIAL velocity at 19:42 = 141. 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!