SMM C/P 1989 DOY 43 110 +/- 0 degrees

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

Top of Cavity

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

15:00 15:15 15:30 15:45 16:00 16:15 16:30
DOY 43
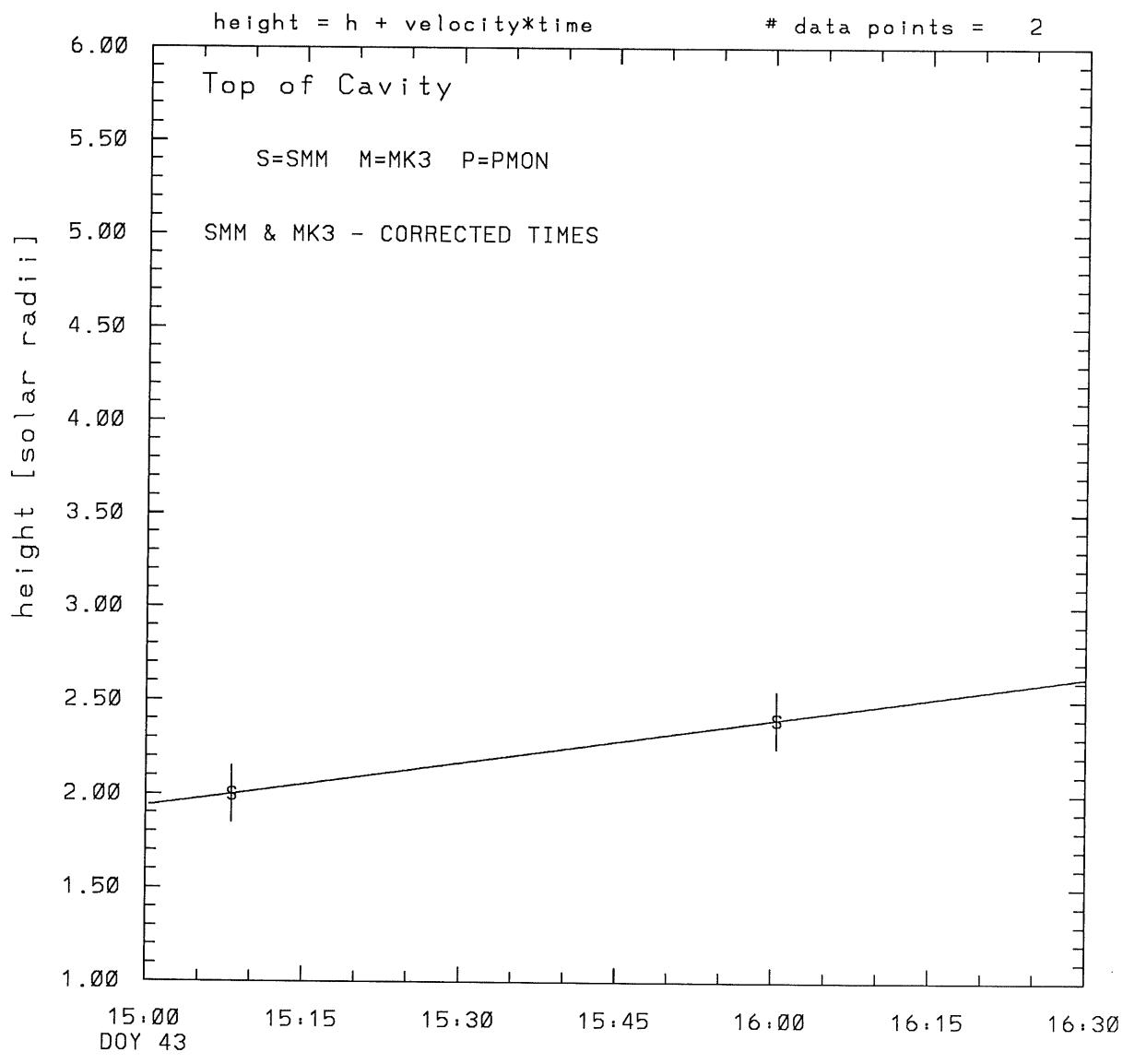
tstart=DOY 43 12:58 +/-   0.0 [min.]
radial velocity=   89. +/-   0. [km/sec]

Top of Cavity @100
[12:58] 1st wave only

STOP
Ret..

X-RAY and OPTICAL both TOGETHER

BEGIN: 12 FEB 89

Watts meter⁻²

10^{-4}

SF,5354
SF,5354
SF,5353
SF,5354
SF,5354
SF,5356
SF,5356
SF,5357
SF,5354
SF,5354
SF,5356
SF,5356
SF,5354
SF,535C
SF,N 23

10^{-5}

SF,5356
SF,5356
SF,5362
SF,5356
SF,0
SF,5357
SF,5356
SF,5356

M

SF,5356
SF,5356
SF,535

C

10^{-6}

10^{-7}

B

10^{-8}

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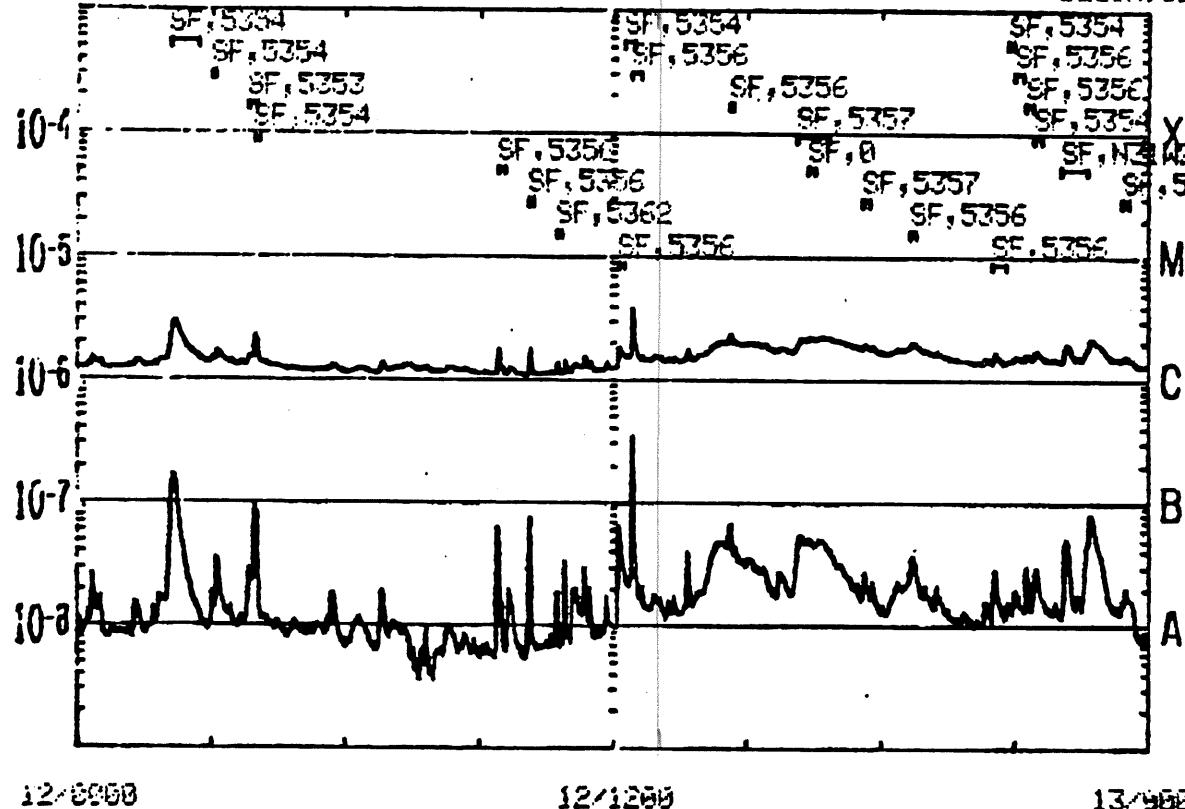
GOES 7 0.5-4.0A   GOES 7 1.0-8.0A
OPTICAL FLARES

12/0000   12/1200   13/0000

SAA's
NIGHT

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

RUN: 1512UT
13 FEB 89

→ 24 hour plot ←

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


*******
 INPUT:
*******


                       error in        error in
year doy   time    radii radius   angle angle   datatype
1989  43  15: 8:14  2.00 +/- 0.15  110.0 +/- 0.5    SMM
1989  43  16: 0:29  2.40 +/- 0.15  110.0 +/- 0.5    SMM


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


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


START TIME:

Event began at t = 0 + -0.122E+03 +/-  0.000E+00 [minutes]
In more convenient units:
Event began at DOY  43 12:58 +/-  0.000E+00 [minutes]

Origin defined at DOY 43 15: 0

RADIAL INFORMATION:

RADIAL VELOCITY =    89. +/-    0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) =    0.194E+01 +/-   0.750E-06 [solar radii]
c(2) =    0.766E-02 +/-   0.174E-07 [radii/min]
c(2) =    0.888E+02 +/-   0.202E-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) = 110. +/-   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 15: 8 =   0. km/sec
The TOTAL velocity at 15: 8 =   89. km/sec

The TANGENTIAL velocity at 16: 0 =   0. km/sec
The TOTAL velocity at 16: 0 =   89. 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!