SMM C/P 1989 DOY180 323 +/- 0 degrees

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

Southern Edge of Inner 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

21:20   21:25   21:30   21:35   21:40   21:45   21:50
DOY180
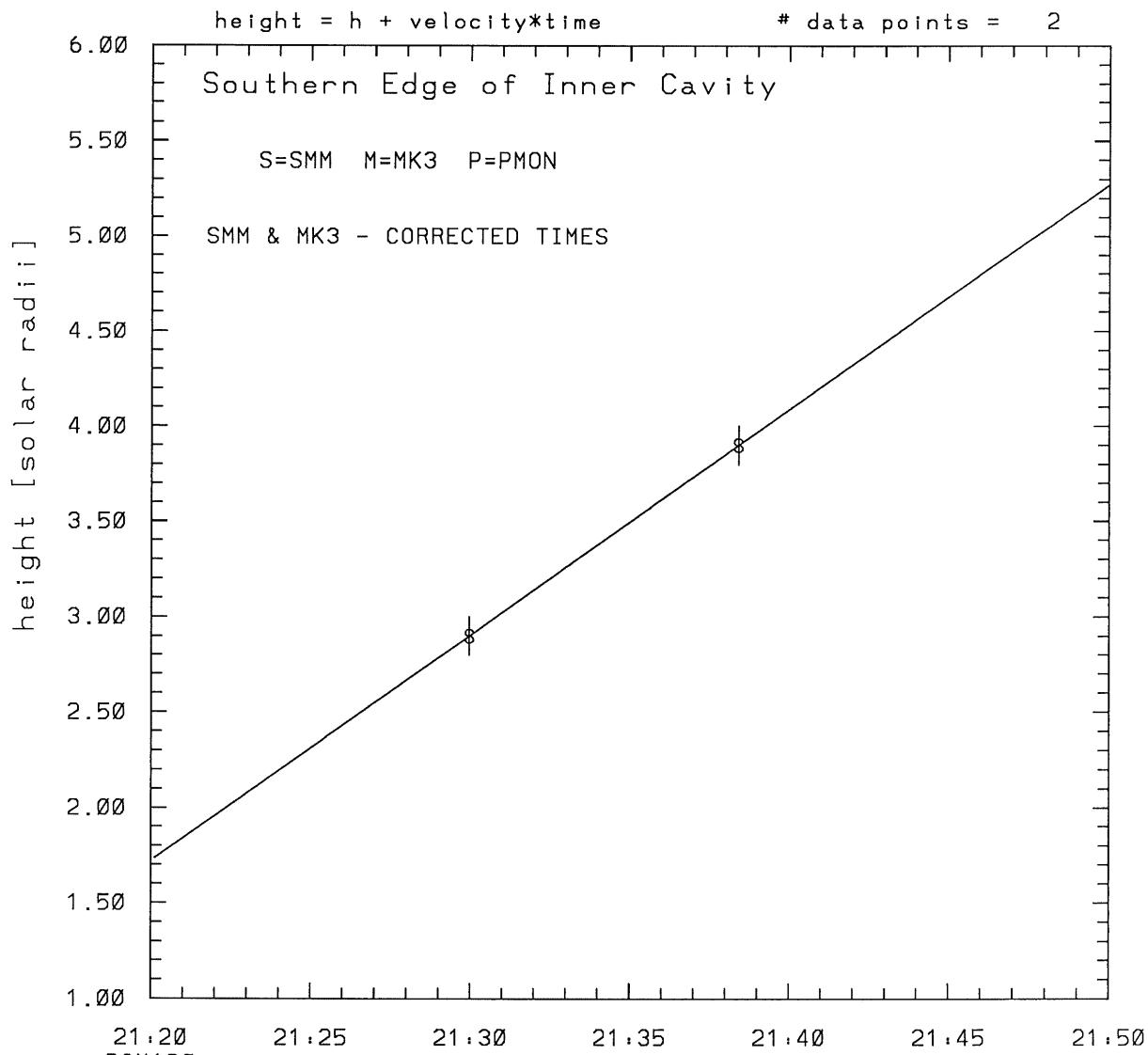
tstart=DOY180 21:14 +/-   0.0 [min.]
radial velocity= 1373. +/-   0. [km/sec]

1989 DOY 180

Southern Edge of Inner Cavity
center = 330°, [211114] (1st order only)

XRAY and OPTICAL DATA TOGETHER

STOP
Ret..

BEGIN: 29 JUN 89

SF,5561   SF,5569
SF,5555
2B,5555

IN,3555

SF,5561
SF,5558
SF,5555

10^{-4} — X — GOES-7 1.0-8.0Å

SF,5569

SF,5561
SF,556?
SF,5555

SF,5555
SF,5569

10^{-5} — M

Walts meter⁻²

10^{-6} — C — OPTICAL FLARES

10^{-7} — B — GOES 7 0.5-4.0Å

10^{-8} — A

29/0800   29/1200   30/0000
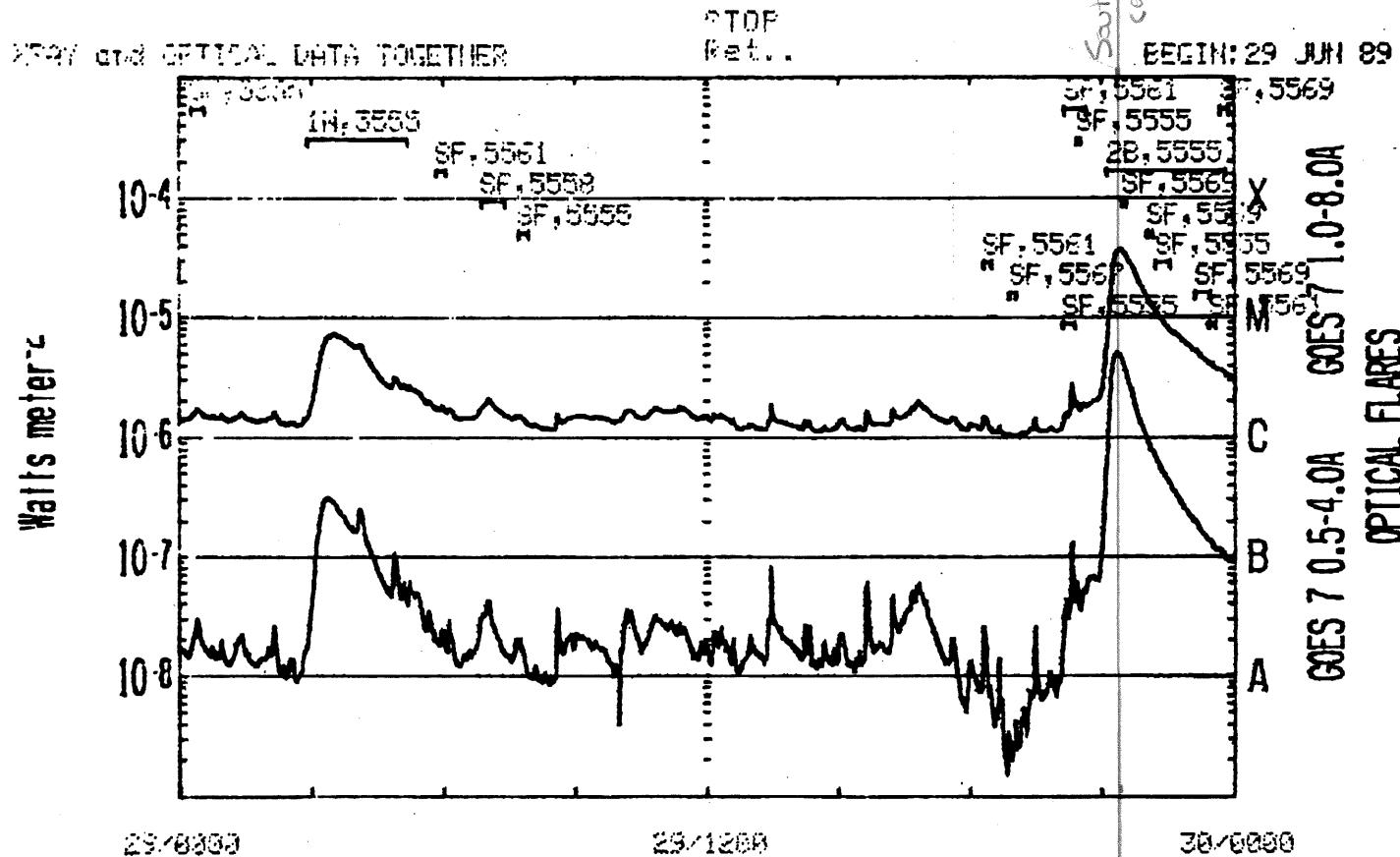
SAA's
NIGHT

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

RUN: 1250UT
30 JUN 89

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


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


                         error in      error in
year doy    time   radii  radius   angle angle   datatype
1989 180 21:29:58  2.90 +/- 0.10   323.0 +/- 0.5     SMM
1989 180 21:38:25  3.90 +/- 0.10   323.0 +/- 1.0     SMM


****************************************
 Structure being measured:
Southern Edge of Inner Cavity
****************************************


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


START TIME:


Event began at t = 0 + -0.609E+01 +/-  0.000E+00 [minutes]
In more convenient units:
Event began at DOY 180 21:14 +/-  0.000E+00 [minutes]


  Origin defined at DOY180 21:20


RADIAL INFORMATION:


RADIAL VELOCITY =  1373. +/-     0. km/sec


The computed RADIAL coefficients and errors FROM NLLST2 are:


c(1) =   0.172E+01 +/-   0.000E+00 [solar radii]
c(2) =   0.118E+00 +/-   0.000E+00 [radii/min]
c(2) =   0.137E+04 +/-   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) = 323. +/-   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 21:29 =   0. km/sec
The TOTAL velocity at 21:29 = 1373. km/sec

The TANGENTIAL velocity at 21:38 =   0. km/sec
The TOTAL velocity at 21:38 = 1373. 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!