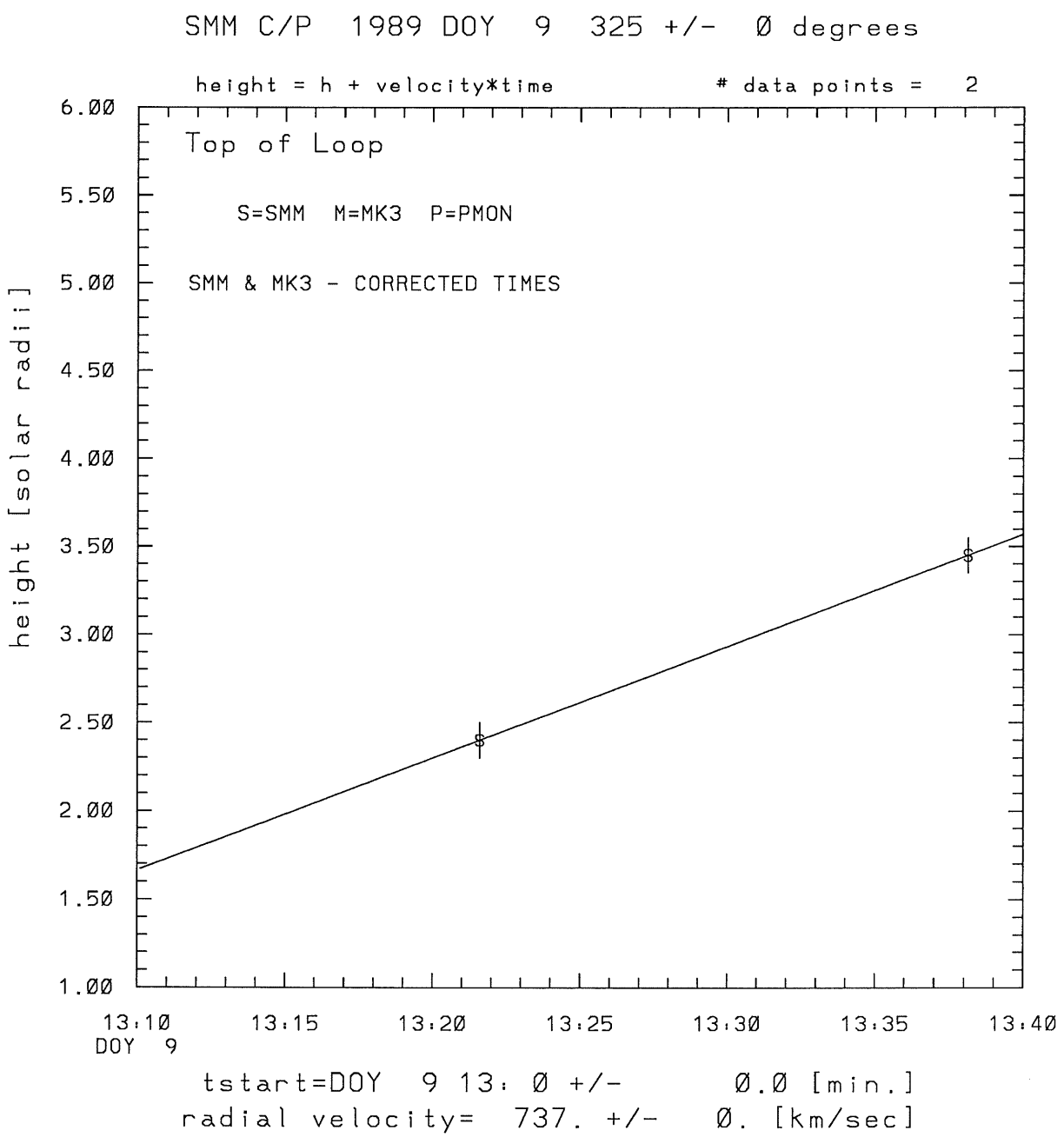
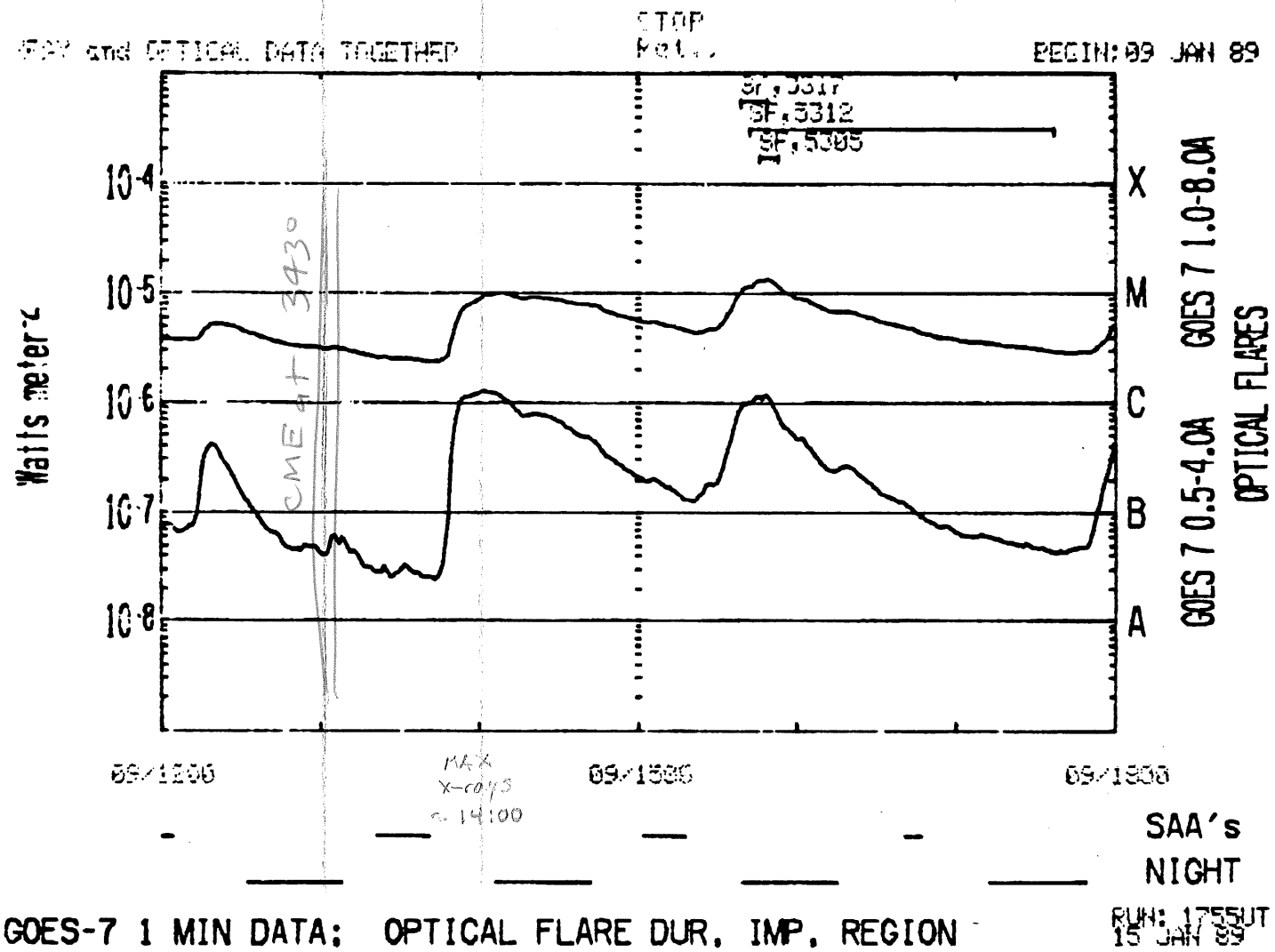

SMM C/P 1989 DOY 9 325 +/- Ø degrees
height = h + velocity*time
# data points = 2
Top of Loop
S=SMM M=MK3 P=PMON
SMM & MK3 - CORRECTED TIMES
height [solar radii]
6.ØØ
5.5Ø
5.ØØ
4.5Ø
4.ØØ
3.5Ø
3.ØØ
2.5Ø
2.ØØ
1.5Ø
1.ØØ
13:1Ø
DOY 9
13:15
13:2Ø
13:25
13:3Ø
13:35
13:4Ø
tstart=DOY 9 13: Ø +/- Ø.Ø [min.]
radial velocity= 737. +/- Ø. [km/sec]

1989 Doy 009


X-RAY and OPTICAL DATA TOGETHER
STOP
BEGIN: 09 JAN 89
SF,5317
SF,5312
SF,5305
10-4
10-5
10-6
10-7
10-8
Watts meter-2
X
M
C
B
A
GOES 7 1.0-8.0A
GOES 7 0.5-4.0A
OPTICAL FLARES
CME at 343°
09/1200
MAX X-rays ~ 14:00
09/1500
09/1800
SAA's
NIGHT
GOES-7 1 MIN DATA: OPTICAL FLARE DUR, IMP, REGION
RUN: 1755UT 15 JAN 89

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

****
INPUT:
****

year	doy	time	radii	error in radius	angle	error in angle	datatype
1989	9	13:21:36	2.40 +/-	0.10	325.0 +/-	0.5	SMM
1989	9	13:38: 8	3.45 +/-	0.10	325.0 +/-	0.5	SMM

****
Structure being measured:
Top of Loop
****

****
OUTPUT:
****

START TIME:

Event began at t = 0 + -0.104E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 9 13:00 +/- 0.000E+00 [minutes]

Event began at DOY 9 13: 0 +/- 0.000E+00 [minutes]

Origin defined at DOY 9 13:10

RADIAL INFORMATION:

RADIAL VELOCITY = 737. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.166E+01 +/- 0.000E+00 [solar radii]
c(2) = 0.635E-01 +/- 0.000E+00 [radii/min]
c(2) = 0.737E+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) = 325. +/- 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 13:21 = 0. km/sec
The TOTAL velocity at 13:21 = 737. km/sec

The TANGENTIAL velocity at 13:38 = 0. km/sec
The TOTAL velocity at 13:38 = 737. 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!