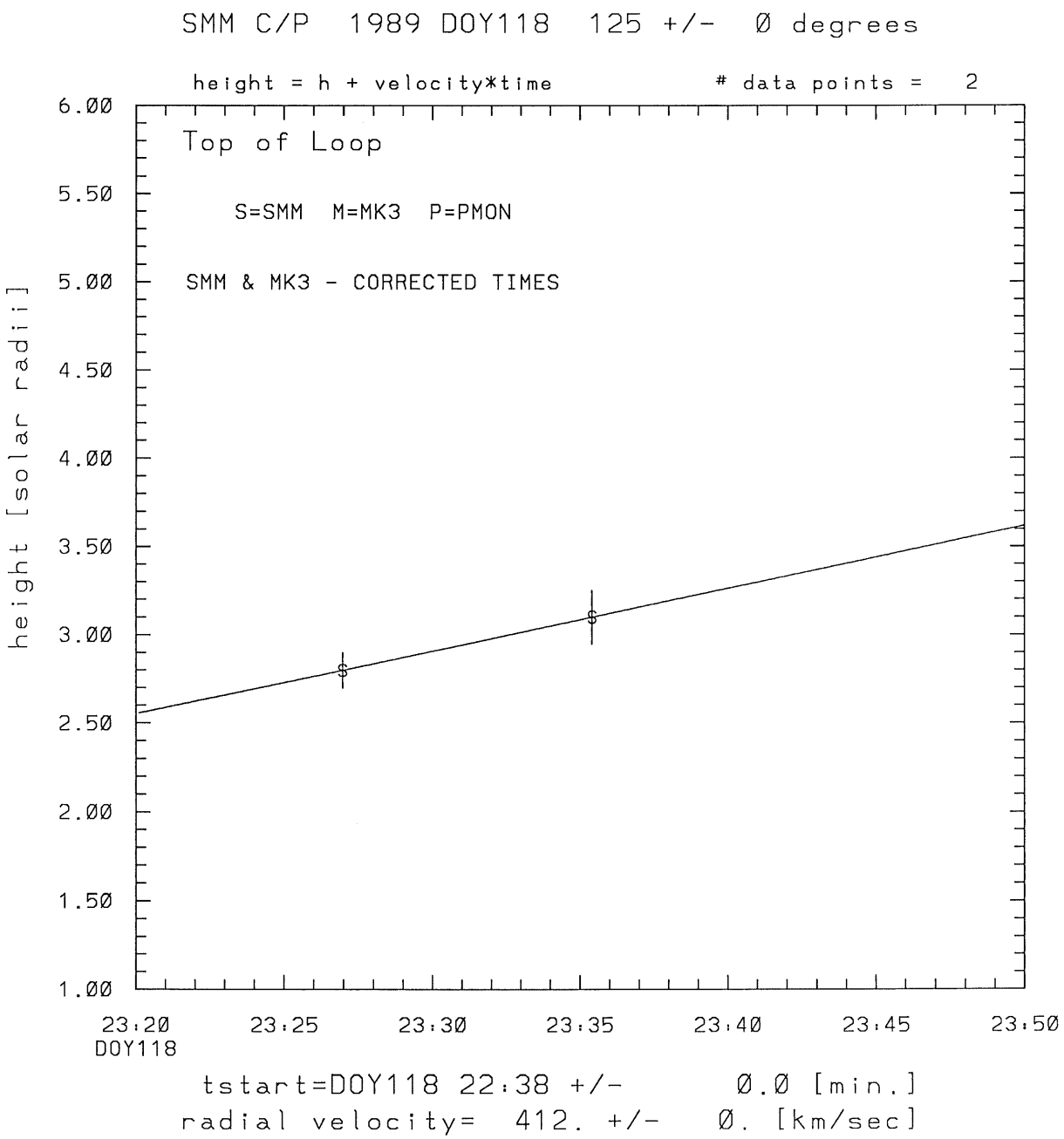
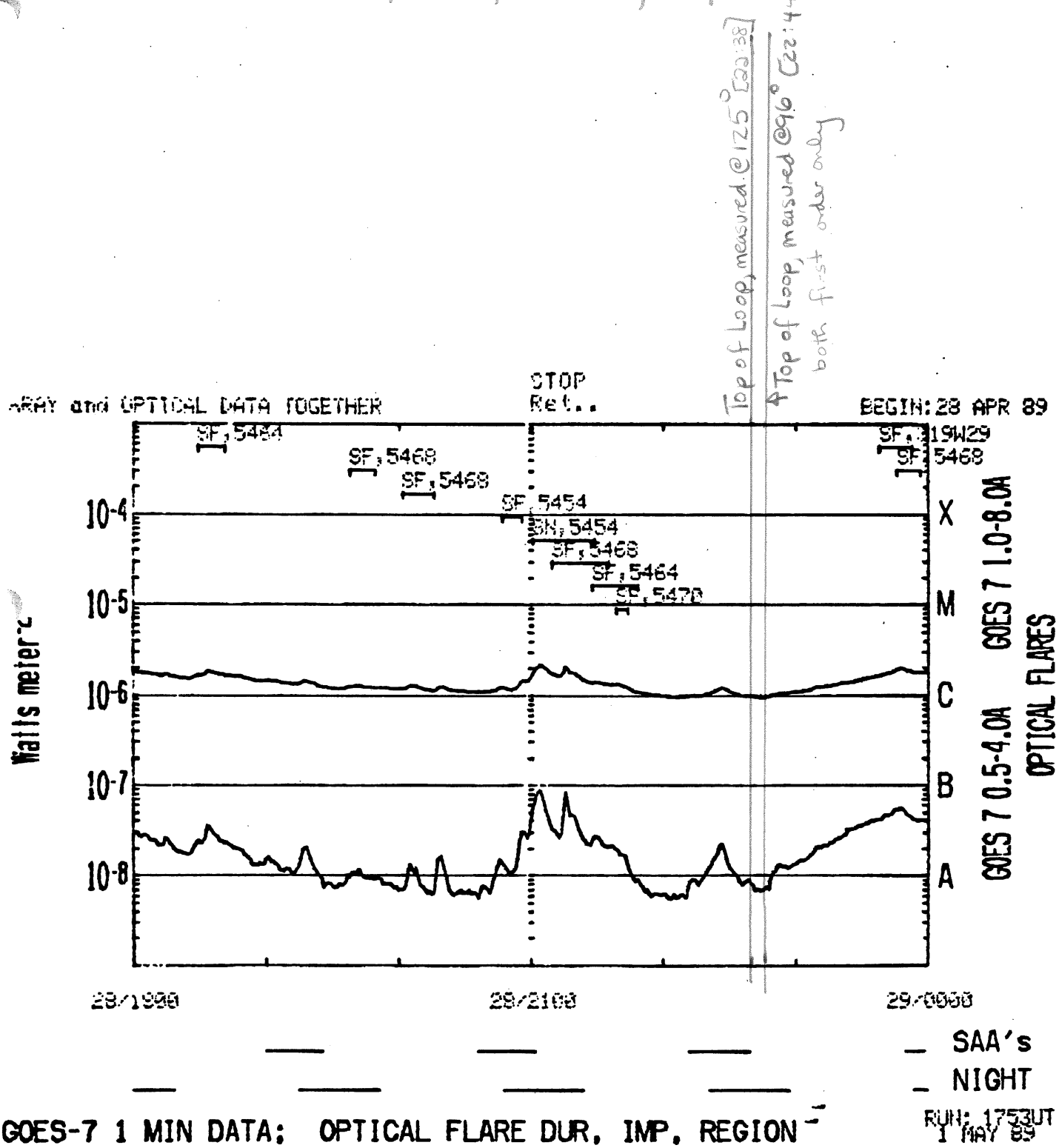

SMM C/P 1989 DOY118 125 +/- Ø degrees
height = h + velocity*time
# data points = 2
Top of Loop
S=SMM M=MK3 P=PMON
SMM & MK3 - CORRECTED TIMES
height [solar radii]
6.ØØ
5.50
5.ØØ
4.50
4.ØØ
3.50
3.ØØ
2.50
2.ØØ
1.50
1.ØØ
23:2Ø
DOY118
23:25
23:3Ø
23:35
23:4Ø
23:45
23:5Ø
tstart=DOY118 22:38 +/- Ø.Ø [min.]
radial velocity= 412. +/- Ø. [km/sec]

1989 DOY 118



Top of Loop, measured @125° [22:38]
Top of Loop, measured @96° [22:44]
both first order only
STOP
Ret..
ARAY and OPTICAL DATA TOGETHER
BEGIN: 28 APR 89
SF,5464
SF,5468
SF,5468
SF,5454
SN,5454
SF,5468
SF,5464
SF,5470
SF,19W29
SF,5468
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 7 1.0-8.0A
GOES 7 0.5-4.0A
OPTICAL FLARES
28/1900
28/2100
29/0000
SAA's
NIGHT
GOES-7 1 MIN DATA: OPTICAL FLARE DUR, IMP, REGION
RUN: 1753UT
1 MAY 89

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

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

| year | doy | time | radii | error in radius | angle | error in angle | datatype |
|---|---|---|---|---|---|---|---|
| 1989 | 118 | 23:26:58 | 2.80 | +/- 0.10 | 125.0 | +/- 1.0 | SMM |
| 1989 | 118 | 23:35:25 | 3.10 | +/- 0.15 | 125.0 | +/- 1.0 | SMM |

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

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

START TIME:

Event began at t = 0 + -0.437E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 118 22:38 +/- 0.000E+00 [minutes]

Origin defined at DOY118 23:20

RADIAL INFORMATION:

RADIAL VELOCITY = 412. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.255E+01 +/- 0.000E+00 [solar radii]
c(2) = 0.355E-01 +/- 0.000E+00 [radii/min]
c(2) = 0.412E+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) = 125. +/- 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]

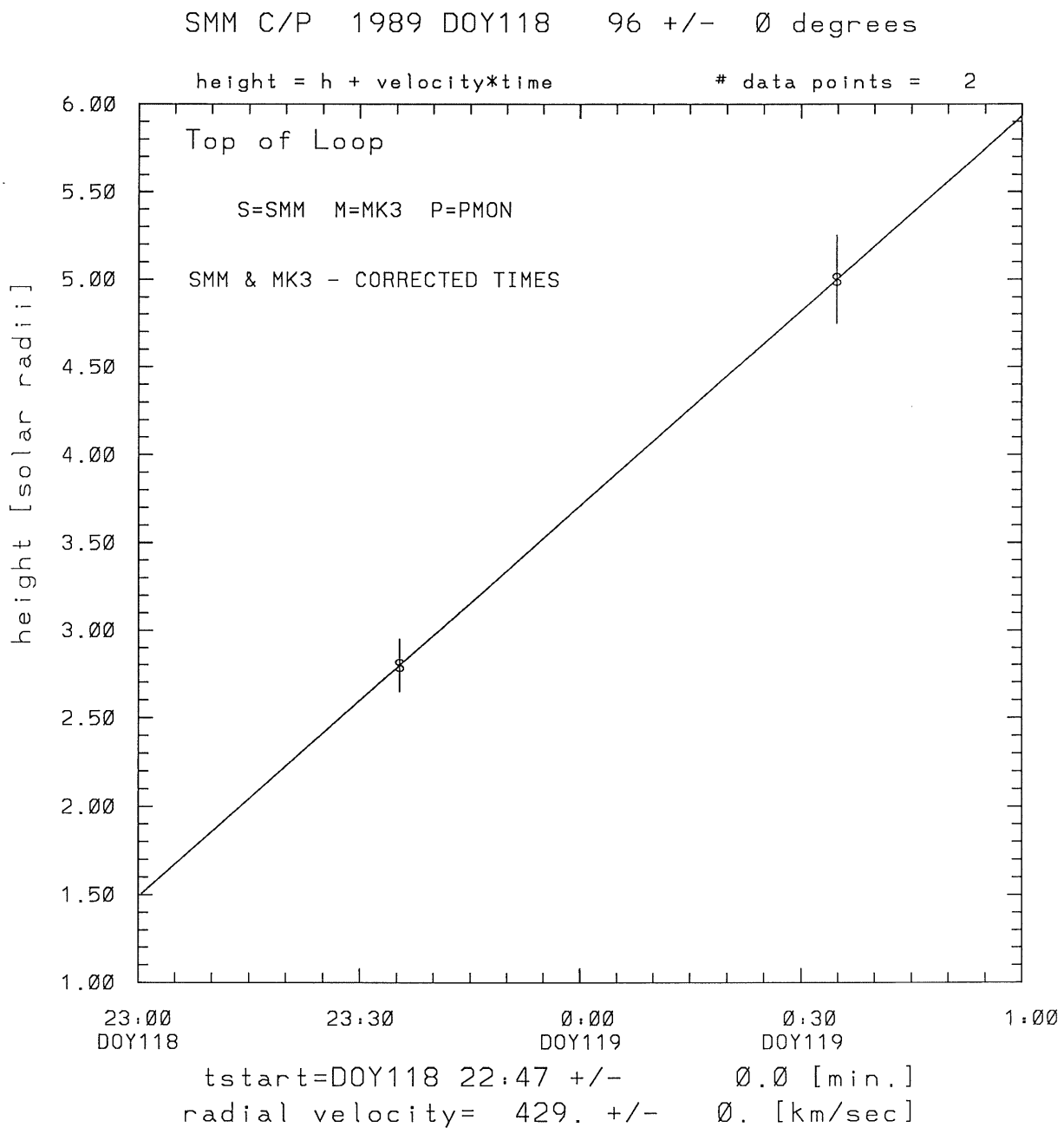
THE TANGENTIAL AND TOTAL VELOCITIES AT EACH DATA POINT ARE:
The TANGENTIAL velocity at 23:26 = 0. km/sec
The TOTAL velocity at 23:26 = 412. km/sec

The TANGENTIAL velocity at 23:35 = 0. km/sec
The TOTAL velocity at 23:35 = 412. 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 DOY118 96 +/- 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
23:ØØ DOY118
23:3Ø
Ø:ØØ DOY119
Ø:3Ø DOY119
1:ØØ
tstart=DOY118 22:47 +/- Ø.Ø [min.]
radial velocity= 429. +/- Ø. [km/sec]

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

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

| year | doy | time | radii | error in radius | angle | error in angle | datatype |
|---|---|---|---|---|---|---|---|
| 1989 | 118 | 23:35:25 | 2.80 | +/- 0.15 | 96.0 | +/- 1.0 | SMM |
| 1989 | 119 | 0:34:51 | 5.00 | +/- 0.25 | 96.0 | +/- 1.0 | SMM |

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

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

START TIME:

Event began at t = 0 + -0.132E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 118 22:47 +/- 0.000E+00 [minutes]

Origin defined at DOY118 23: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 429. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.149E+01 +/- 0.370E-06 [solar radii]
c(2) = 0.370E-01 +/- 0.643E-08 [radii/min]
c(2) = 0.429E+03 +/- 0.746E-04 [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) = 96. +/- 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 23:35 = 0. km/sec
The TOTAL velocity at 23:35 = 429. km/sec

The TANGENTIAL velocity at 0:34 = 0. km/sec
The TOTAL velocity at 0:34 = 429. 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!