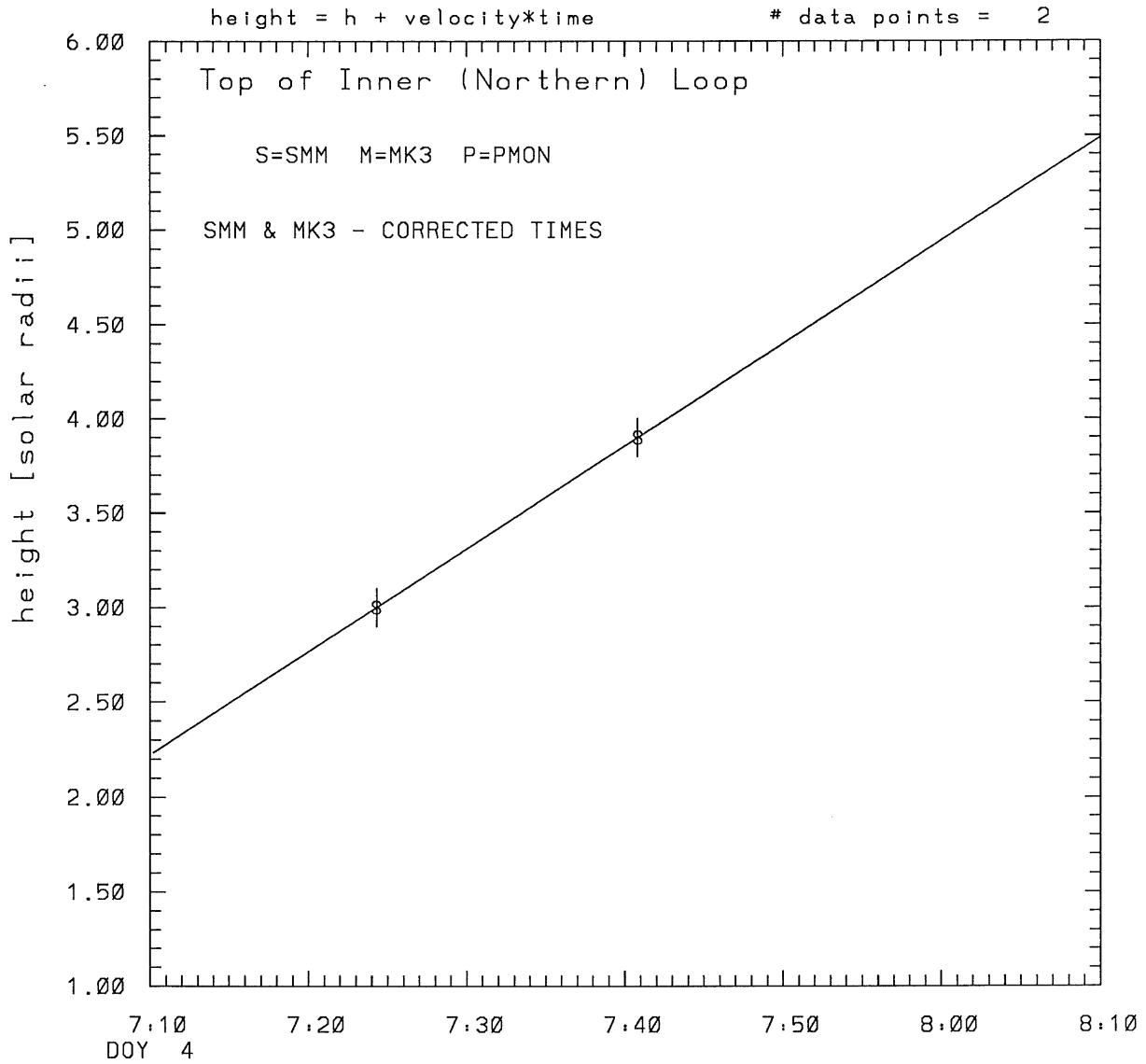


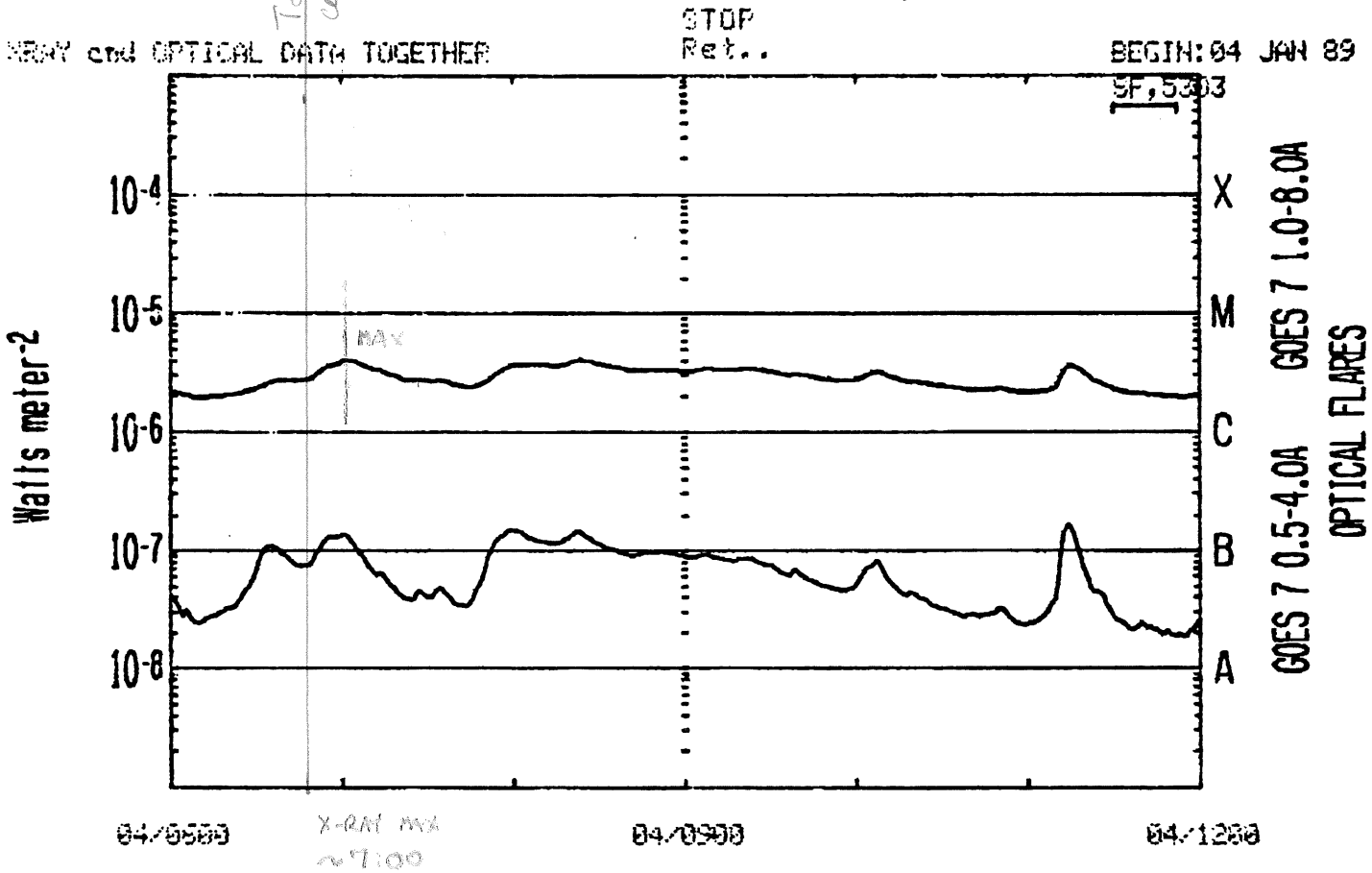
SMM C/P 1989 DOY 4 34 +/- 0 degrees



tstart=DOY 4 6.48 +/- 0.0 [min.]
radial velocity= 631. +/- 0. [km/sec]

1989 Day 004

Top of Inner [Northern] Loop
center = 29°, [6:48] | 1st order only



SAA's NIGHT

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

RUN: 153AUT
8 JAN 89

This is a 1 order run

INPUT:

| year | doy | time | radii | error in radius | angle | error in angle | datatype |
|------|-----|---------|-------|--------------------|-------|-------------------|----------|
| 1989 | 4 | 7:24:18 | 3.00 | +/- 0.10 | 34.0 | +/- 0.5 | SMM |
| 1989 | 4 | 7:40:50 | 3.90 | +/- 0.10 | 34.0 | +/- 0.5 | SMM |

Structure being measured:

Top of Inner (Northern) Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.224E+02 \pm 0.000E+00$ [minutes]

In more convenient units:

Event began at DOY 4 6:48 $\pm 0.000E+00$ [minutes]

Origin defined at DOY 4 7:10

RADIAL INFORMATION:

RADIAL VELOCITY = 631. \pm 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.222E+01 \pm 0.139E-05 [solar radii]
c(2) = 0.544E-01 \pm 0.577E-07 [radii/min]
c(2) = 0.631E+03 \pm 0.669E-03 [km/sec]
c(3) = 0.000E+00 \pm 0.000E+00 [radii/min**2]
c(3) = 0.000E+00 \pm 0.000E+00 [km/sec**2]

ANGULAR INFORMATION:

ANGULAR VELOCITY = 0.0000E+00 \pm 0.0000E+00 [radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 34. \pm 0. [degrees]
a(2) = 0.000E+00 \pm 0.000E+00 [degrees/min]
a(2) = 0.000E+00 \pm 0.000E+00 [rad/sec]
a(3) = 0.000E+00 \pm 0.000E+00 [degrees/min**2]
a(3) = 0.000E+00 \pm 0.000E+00 [rad/sec**2]

THE TANGENTIAL AND TOTAL VELOCITIES AT EACH DATA POINT ARE:

The TANGENTIAL velocity at 7:24 = 0. km/sec

The TOTAL velocity at 7:24 = 631. km/sec

The TANGENTIAL velocity at 7:40 = 0. km/sec

The TOTAL velocity at 7:40 = 631. 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!