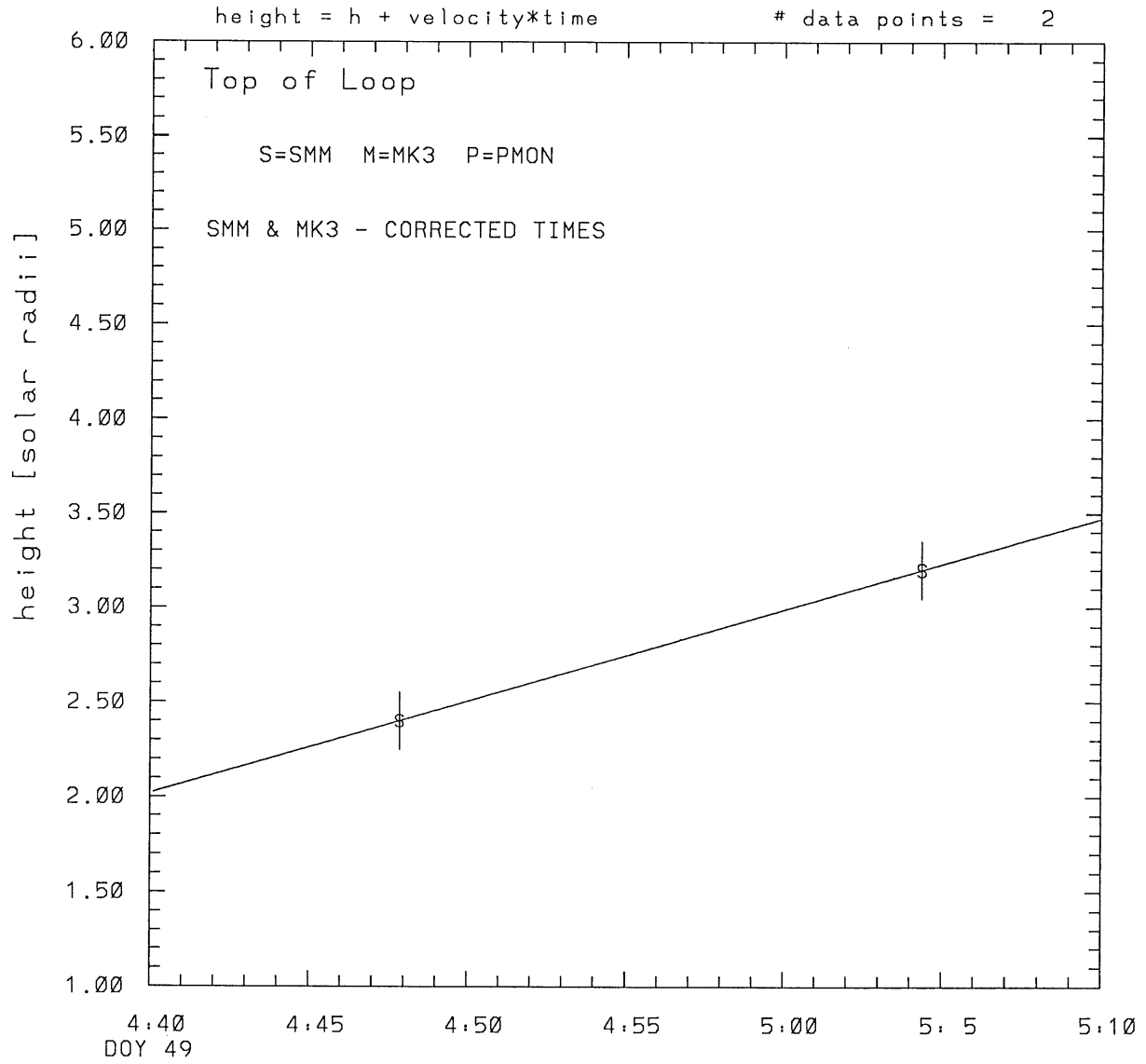


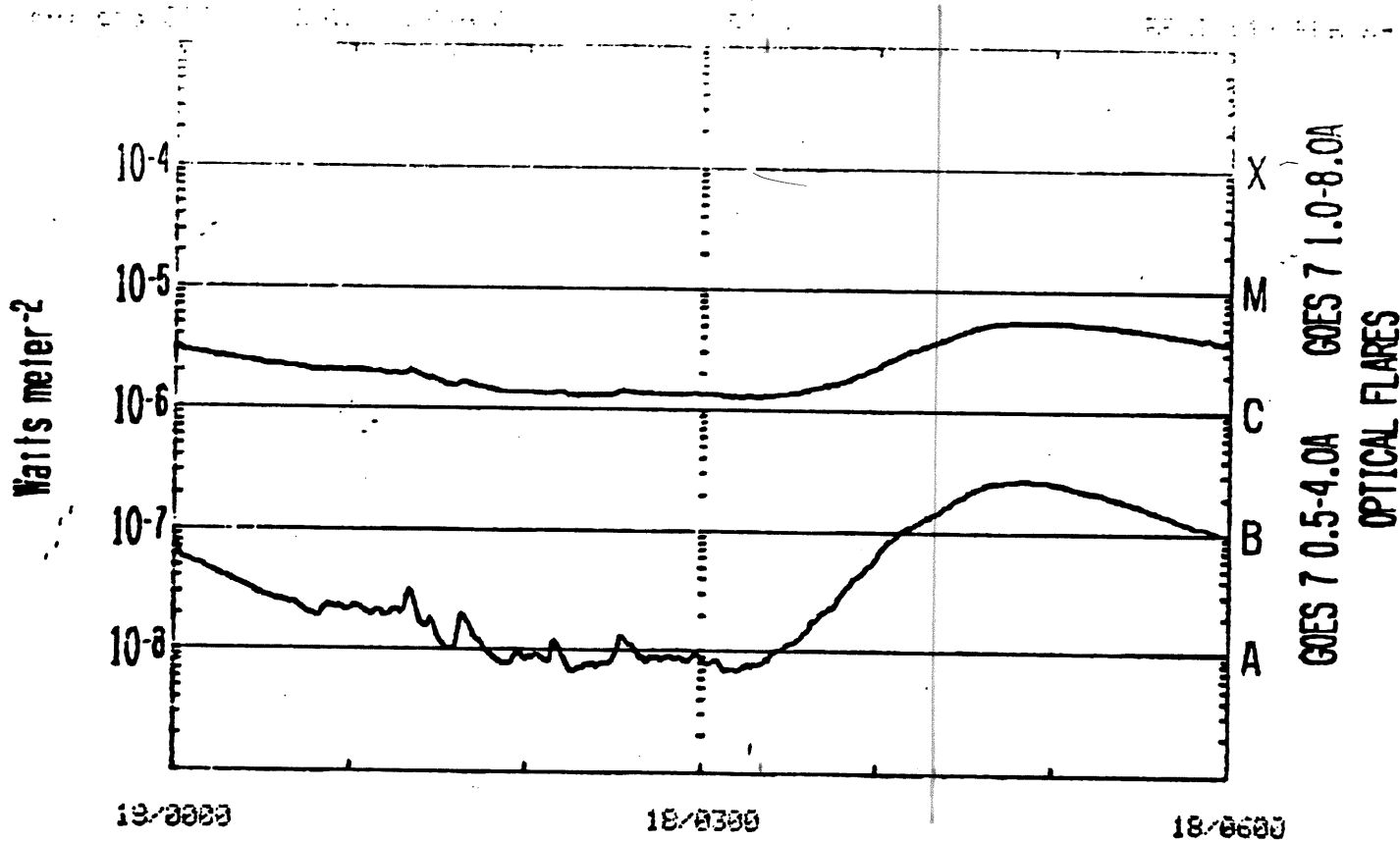
SMM C/P 1989 DOY 49 248 +/- 0 degrees



tstart=DOY 49 4.19 +/- 0.0 [min.]
radial velocity= 562. +/- 0. [km/sec]

1989 Day 049

Top of Loop center = 260° [4:19] 1st order



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

— SAA's
NIGHT

RUN: 2135UT
25 FEB 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	49	4:47:52	2.40	+/- 0.15	248.0	+/- 0.5	SMM
1989	49	5: 4:22	3.20	+/- 0.15	248.0	+/- 0.5	SMM

Structure being measured:
Top of Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.210E+02 \pm 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 49 4:19 +/- 0.000E+00 [minutes]

Origin defined at DOY 49 4:40

RADIAL INFORMATION:

RADIAL VELOCITY = 562. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.202E+01 +/- 0.523E-06 [solar radii]
c(2) = 0.485E-01 +/- 0.289E-07 [radii/min]
c(2) = 0.562E+03 +/- 0.335E-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) = 248. +/- 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 4:47 = 0. km/sec

The TOTAL velocity at 4:47 = 562. km/sec

The TANGENTIAL velocity at 5: 4 = 0. km/sec

The TOTAL velocity at 5: 4 = 562. 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!