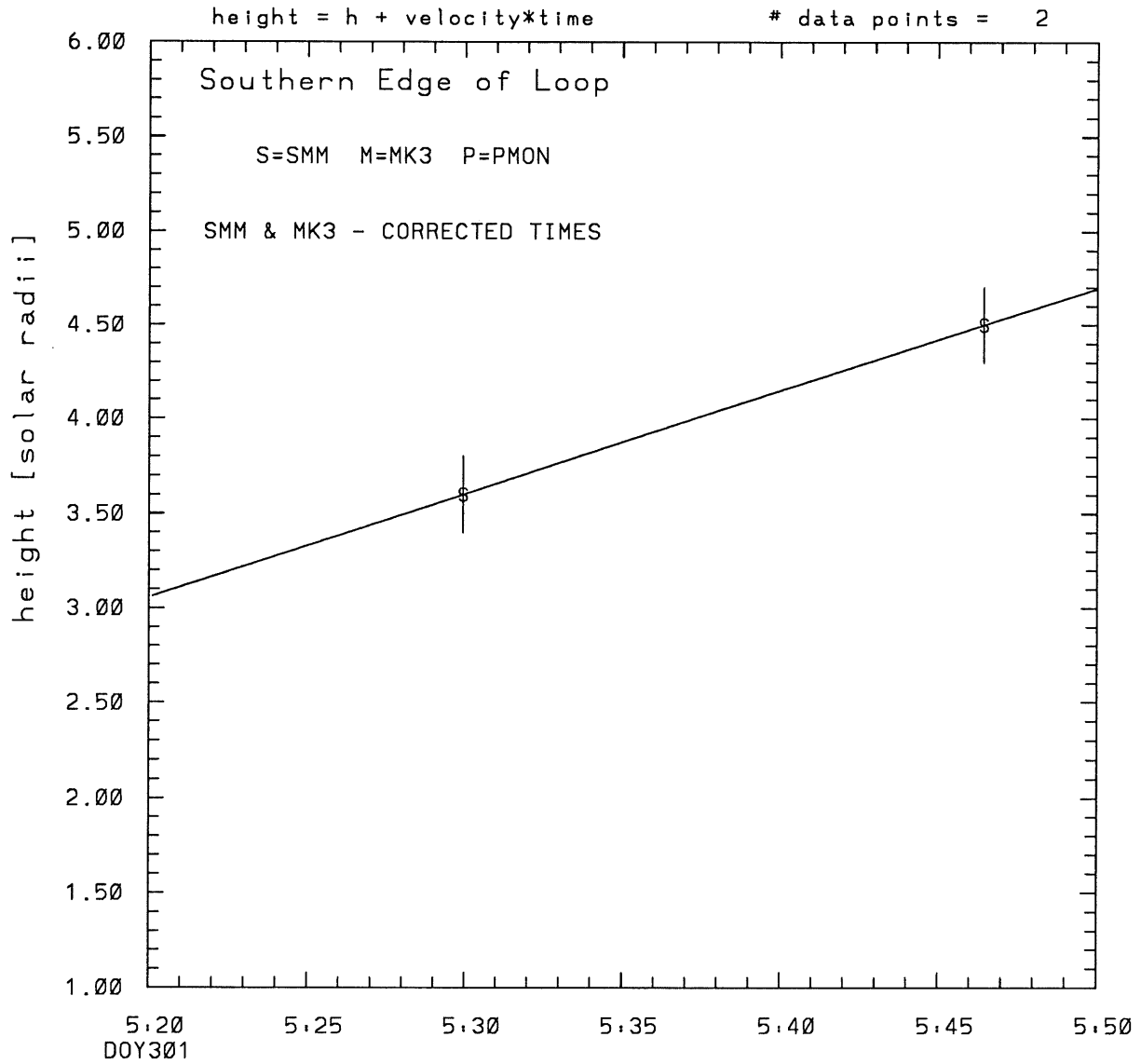


SMM C/P 1989 DOY301 124 +/- 0 degrees



tstart=DOY301 4.44 +/- 0.0 [min.]
radial velocity= 633. +/- 0. [km/sec]

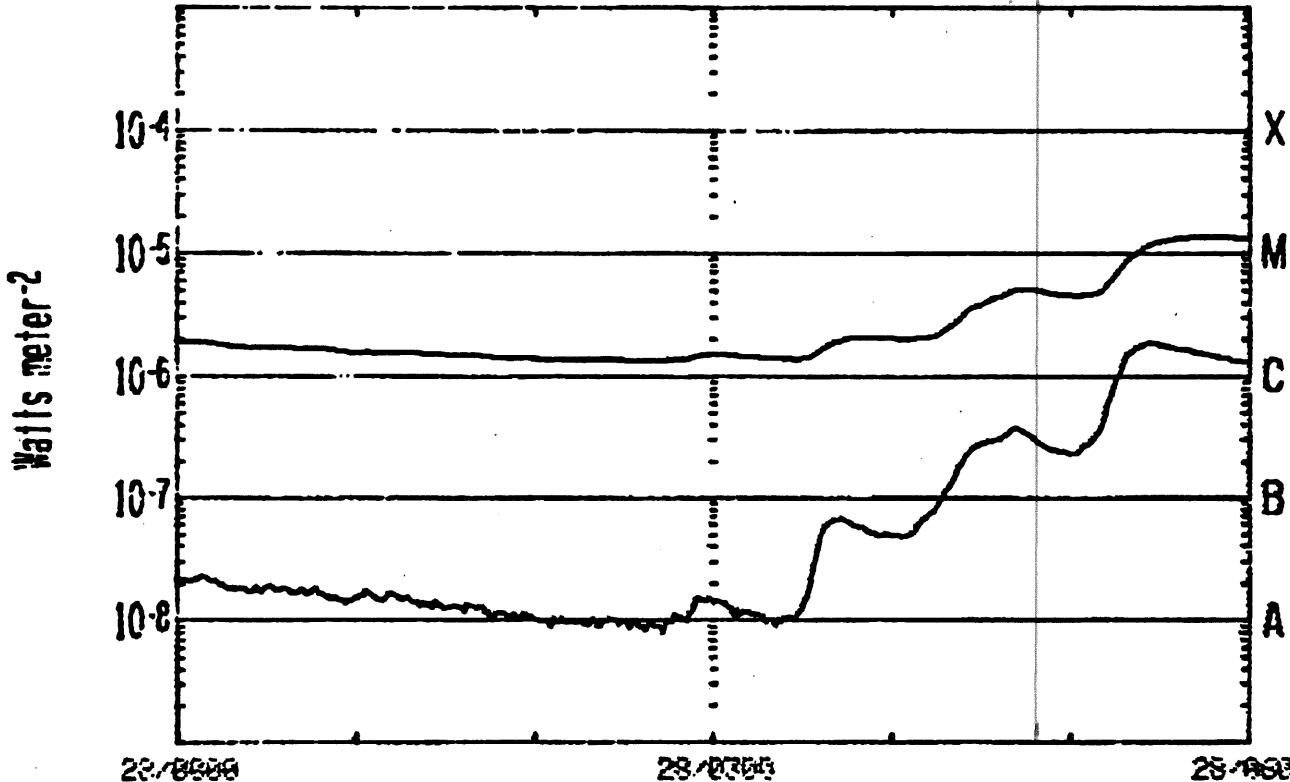
1989 DOY 301

Loop
Top of Front [SOUTHERN EDGE]
[4:47] 1st order only
Center = 89°?
measured @ 124° ..

1989 AND OPTICAL DATA TOGETHER

STOP
Ret..

BEGIN: 28 OCT 89



GOES 6 0.5-4.0A GOES 6 1.0-8.0A
OPTICAL FLARES

28/0800

28/0700

28/1600

— — — —

GOES-6 1 MIN DATA; OPTICAL FLARE DUR, IMP, REGION

SAA's
NIGHT

RUN: 2182UT
1 NOV 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	301	5:29:57	3.60 +/- 0.20	124.0 +/- 1.0			SMM
1989	301	5:46:27	4.50 +/- 0.20	124.0 +/- 1.0			SMM

Structure being measured:
Southern Edge of Loop

OUTPUT:

START TIME:

Event began at t = 0 + -0.377E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 301 4:44 +/- 0.000E+00 [minutes]

Origin defined at DOY301 5:20

RADIAL INFORMATION:

RADIAL VELOCITY = 633. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.306E+01 +/- 0.408E-06 [solar radii]
c(2) = 0.545E-01 +/- 0.204E-07 [radii/min]
c(2) = 0.633E+03 +/- 0.237E-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) = 124. +/- 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 RADIAL velocity at 5:29 = 633. km/sec

The RADIAL velocity at 5:46 = 633. 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!