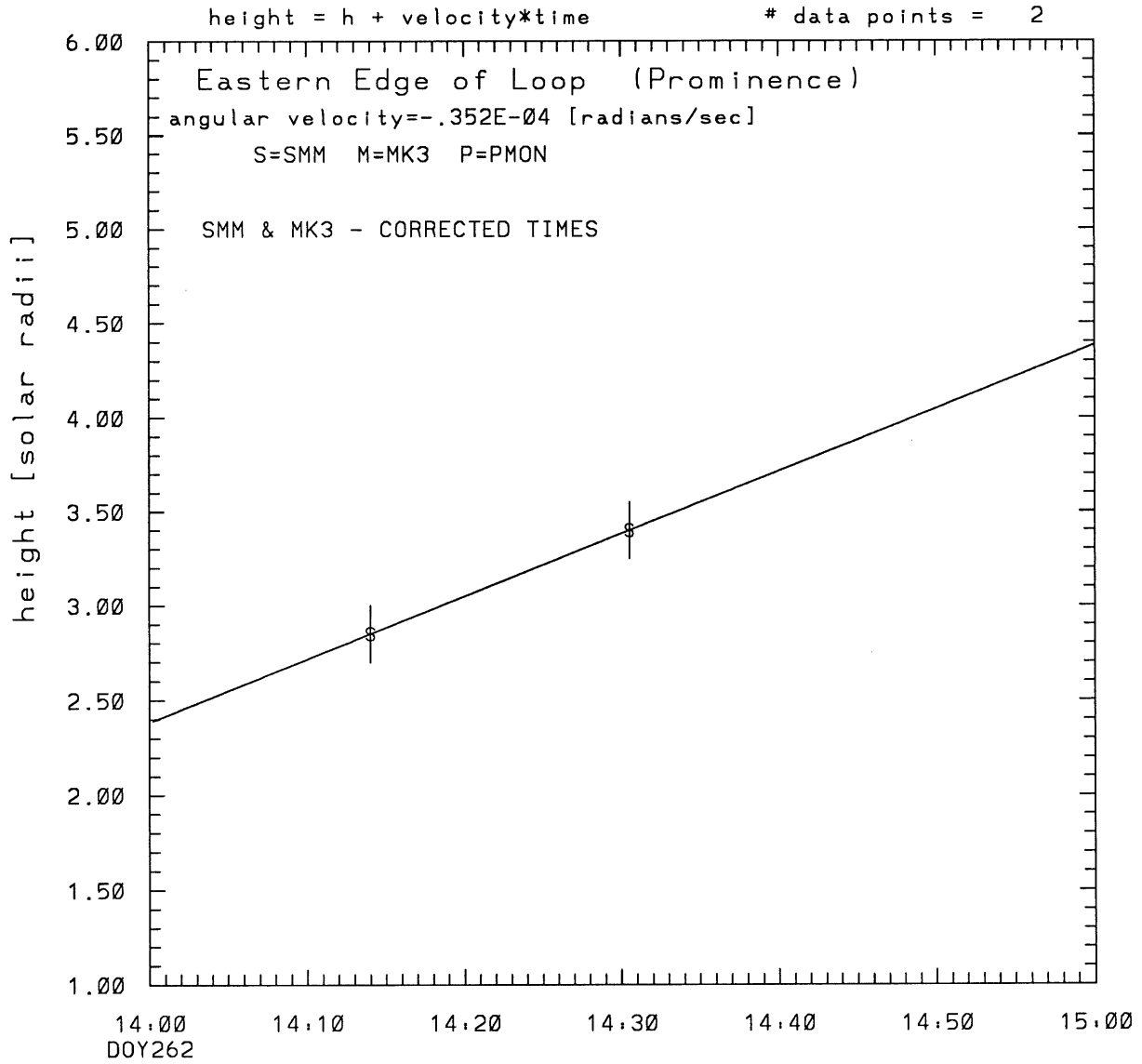


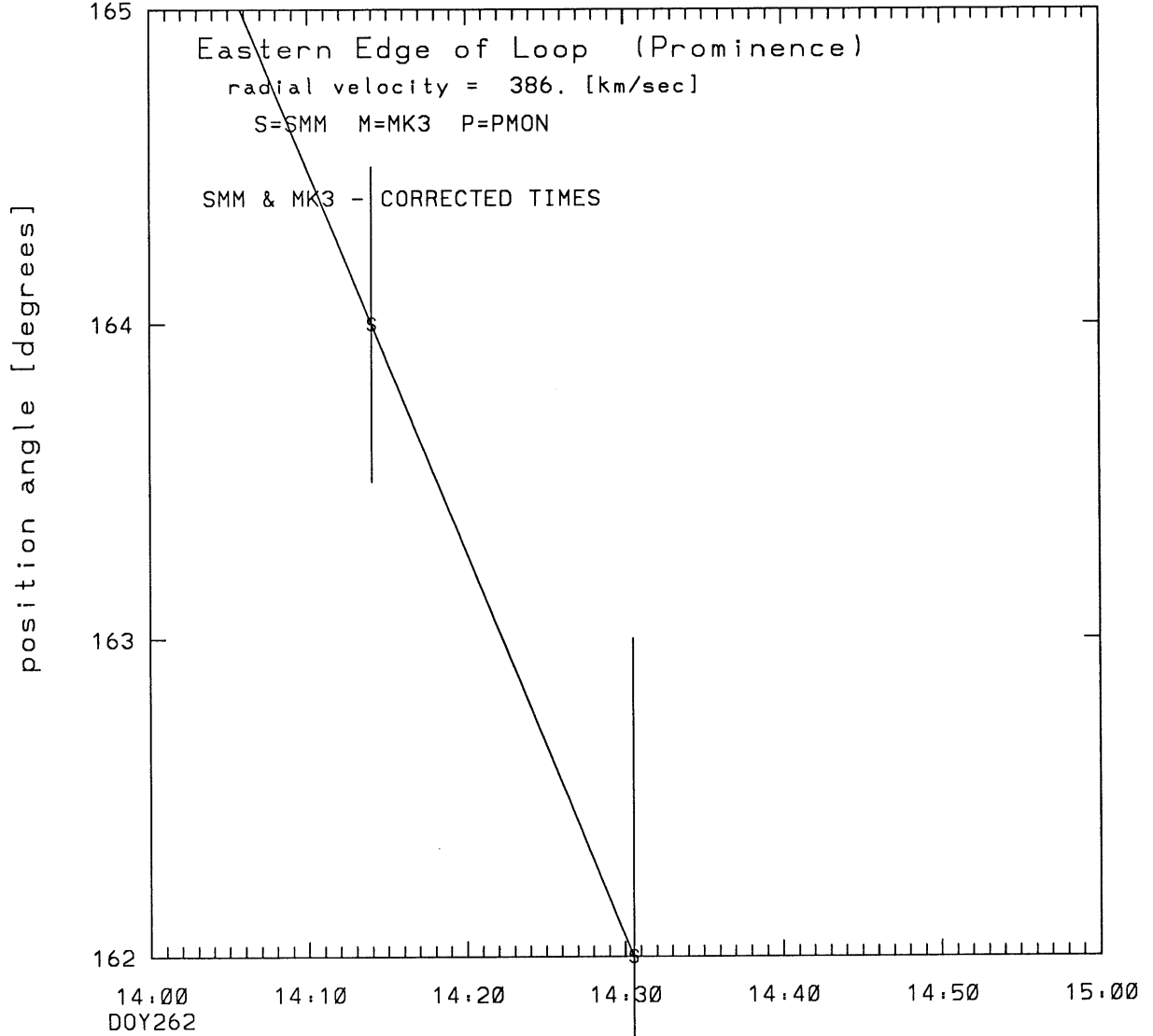
SMM C/P 1989 DOY262 163 +/- 1 degrees



tstart=DOY262 13:20 +/- 0.0 [min.]
radial velocity= 386. +/- 0. [km/sec]

SMM C/P 1989 DOY262 163 +/- 1 degrees

angle = initial angle + angular velocity * time # data points = 2



tstart=DOY262 13:20 +/- 0.0 [min.]
angular velocity = $-.352E-04$ +/- $0.475E-09$ [rad/sec]

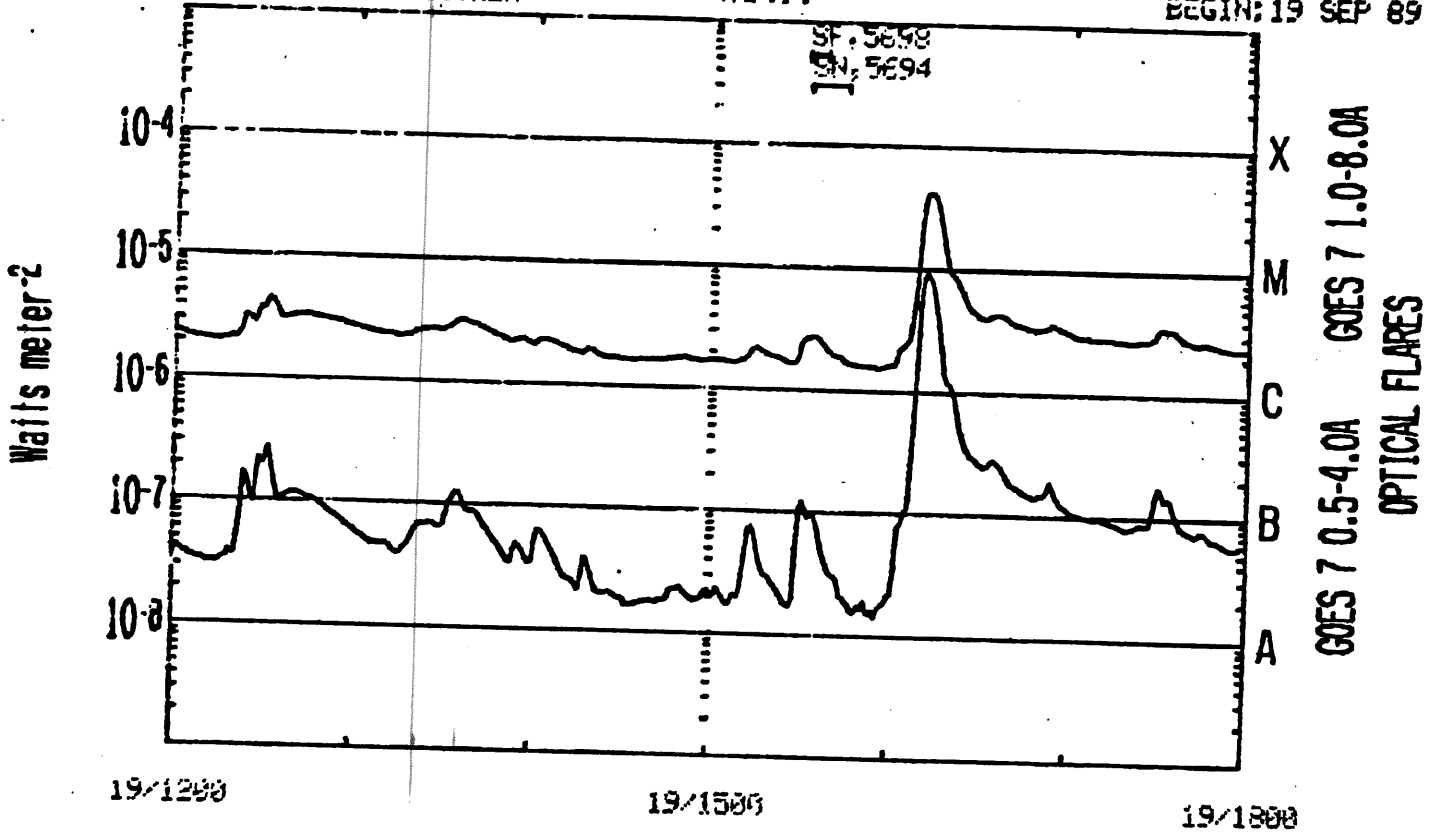
Eastern Edge of Prominence center = 192°
 measured @ 163° C13/23 [SI order only]

1989 DOY 262

XRAY and OPTICAL DATA TOGETHER

STOP
Ret..

BEGIN: 19 SEP 89



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

RUN: 2057UT
25 SEP 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	262	14:14: 1	2.85 +/-	0.15	164.0 +/-	0.5	SMM
1989	262	14:30:32	3.40 +/-	0.15	162.0 +/-	1.0	SMM

Structure being measured:
Eastern Edge of Loop (Prominence)

OUTPUT:

START TIME:

Event began at t = 0 + -0.415E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 262 13:20 +/- 0.000E+00 [minutes]

Origin defined at DOY262 14: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 386. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.238E+01 +/- 0.000E+00 [solar radii]
c(2) = 0.333E-01 +/- 0.000E+00 [radii/min]
c(2) = 0.386E+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 = -0.3522E-04 +/- 0.4751E-09[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 166. +/- 0. [degrees]
a(2) = -0.121E+00 +/- 0.163E-05 [degrees/min]
a(2) = -0.352E-04 +/- 0.475E-09 [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 14:14 = 386. km/sec

The RADIAL velocity at 14:30 = 386. 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!