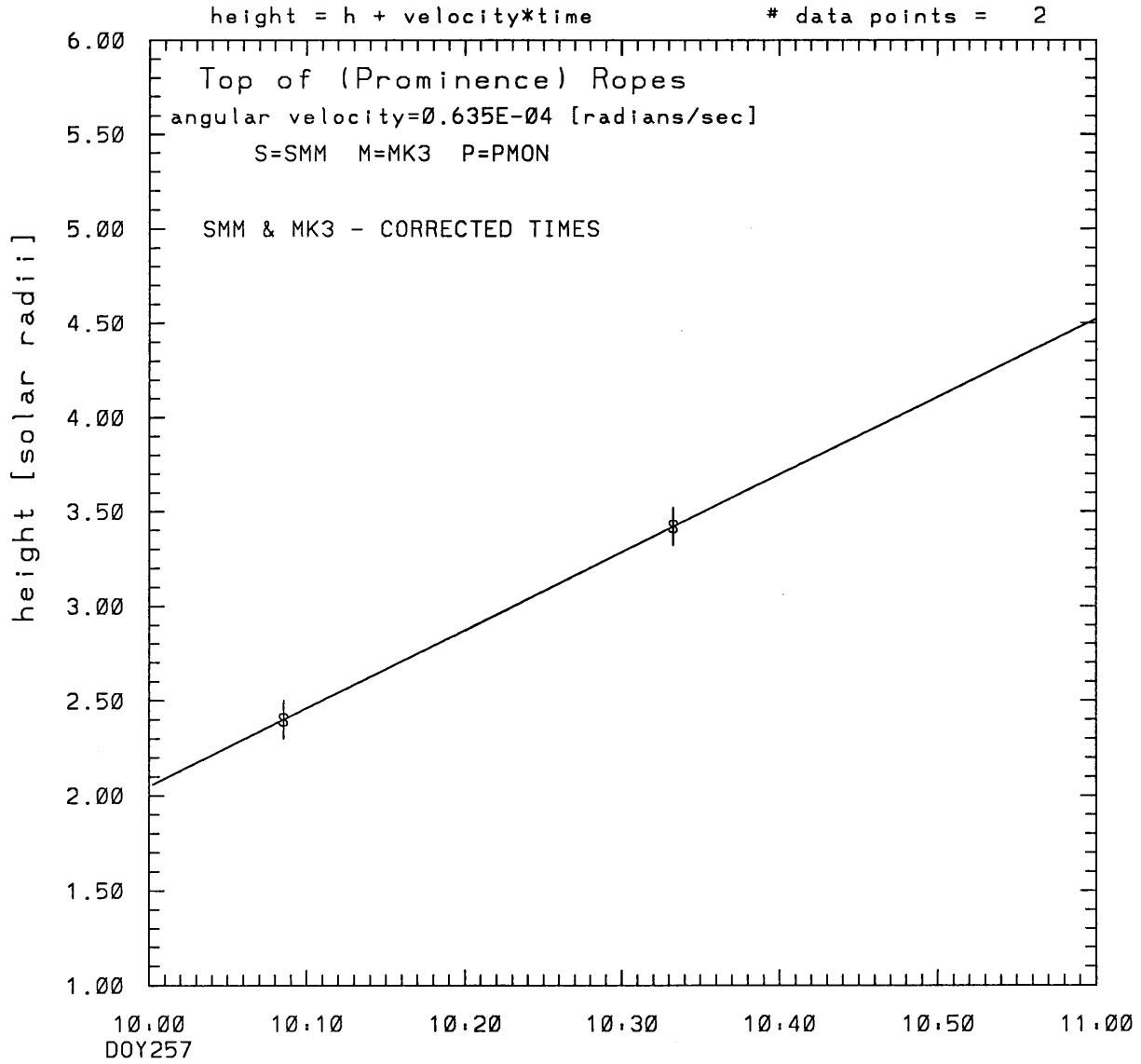
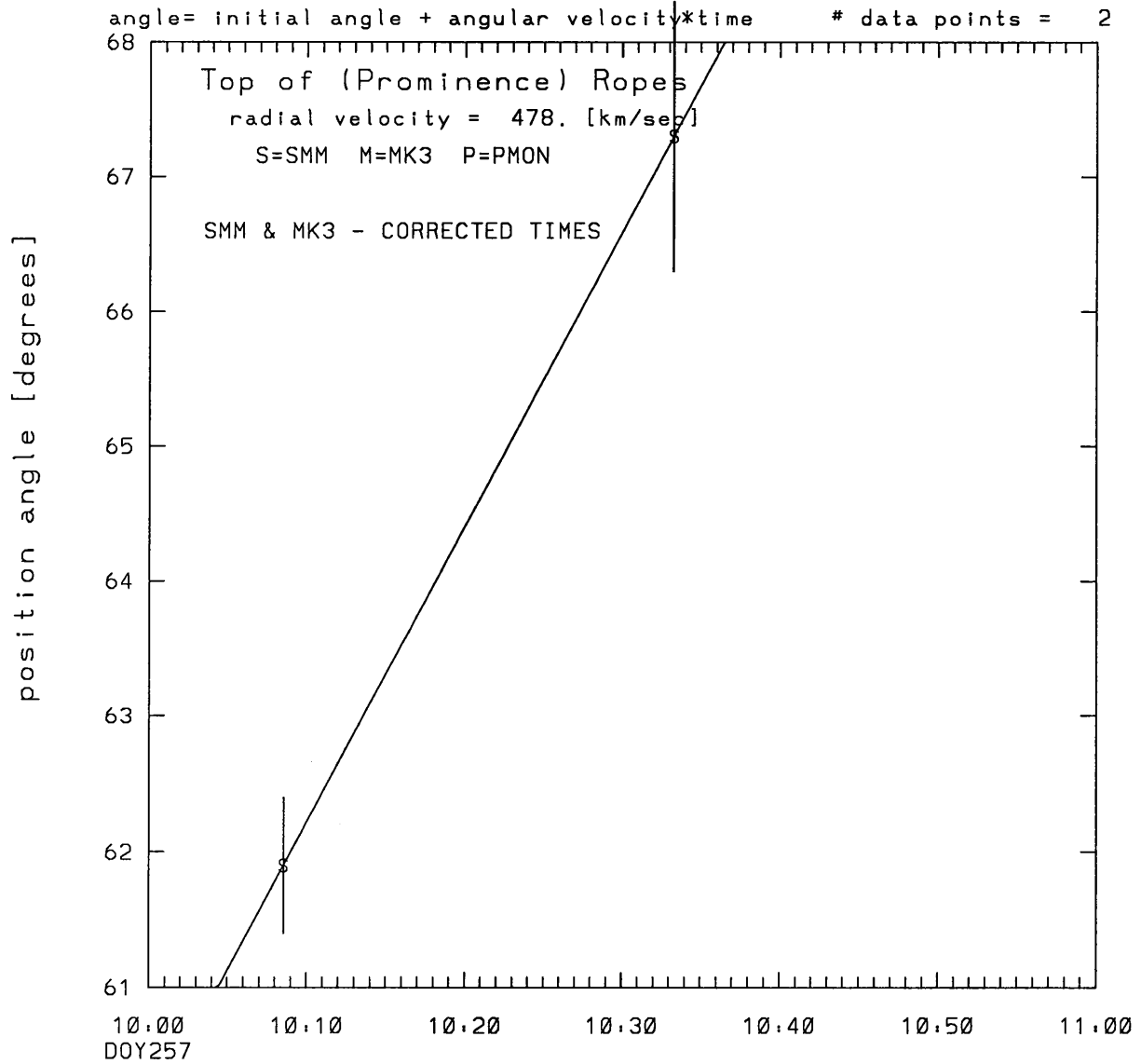


SMM C/P 1989 DOY257 64 +/- 3 degrees



tstart=DOY257 9.35 +/- 0.0 [min.]  
radial velocity= 478. +/- 0. [km/sec]

SMM C/P 1989 DOY257 64 +/- 3 degrees



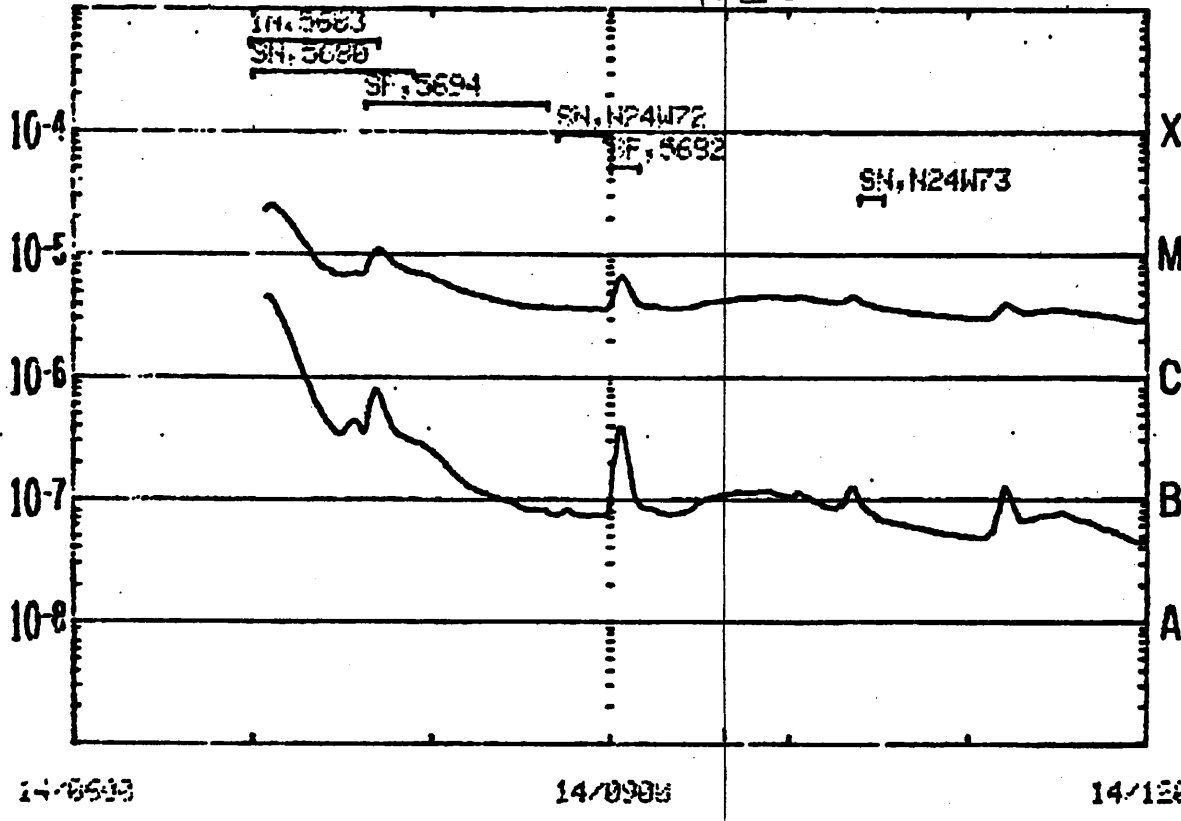
tstart=DOY257 9:35 +/- 0.0 [min.]  
angular velocity=0.635E-04 +/- 0.793E-10 [rad/sec]

1989 001 257

WATT AND OPTICAL DATA TOGETHER

BEGIN: 14 SEP 89

Watts meter<sup>2</sup>



GOES 7 0.5-4.0A GOES 7 1.0-8.0A  
OPTICAL FLARES

SAA's  
NIGHT

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

PLN: 2827UT  
19 SEP 89

*See next page  
for SF order*

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

\*\*\*\*\*  
INPUT:  
\*\*\*\*\*

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	257	10: 8:32	2.40 +/-	0.10	61.9 +/-	0.5	SMM
1989	257	10:33:17	3.42 +/-	0.10	67.3 +/-	1.0	SMM

\*\*\*\*\*  
Structure being measured:  
Top of (Prominence) Ropes  
\*\*\*\*\*

\*\*\*\*\*  
OUTPUT:  
\*\*\*\*\*

START TIME:

Event began at t = 0 + -0.254E+02 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 257 9:35 +/- 0.000E+00 [minutes]

Origin defined at DOY257 10: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 478. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.205E+01 +/- 0.000E+00 [solar radii]  
c(2) = 0.412E-01 +/- 0.000E+00 [radii/min]  
c(2) = 0.478E+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 = 0.6347E-04 +/- 0.7926E-10 [radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 60. +/- 0. [degrees]  
a(2) = 0.218E+00 +/- 0.272E-06 [degrees/min]  
a(2) = 0.635E-04 +/- 0.793E-10 [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 10: 8 = 478. km/sec

The RADIAL velocity at 10:33 = 478. 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!