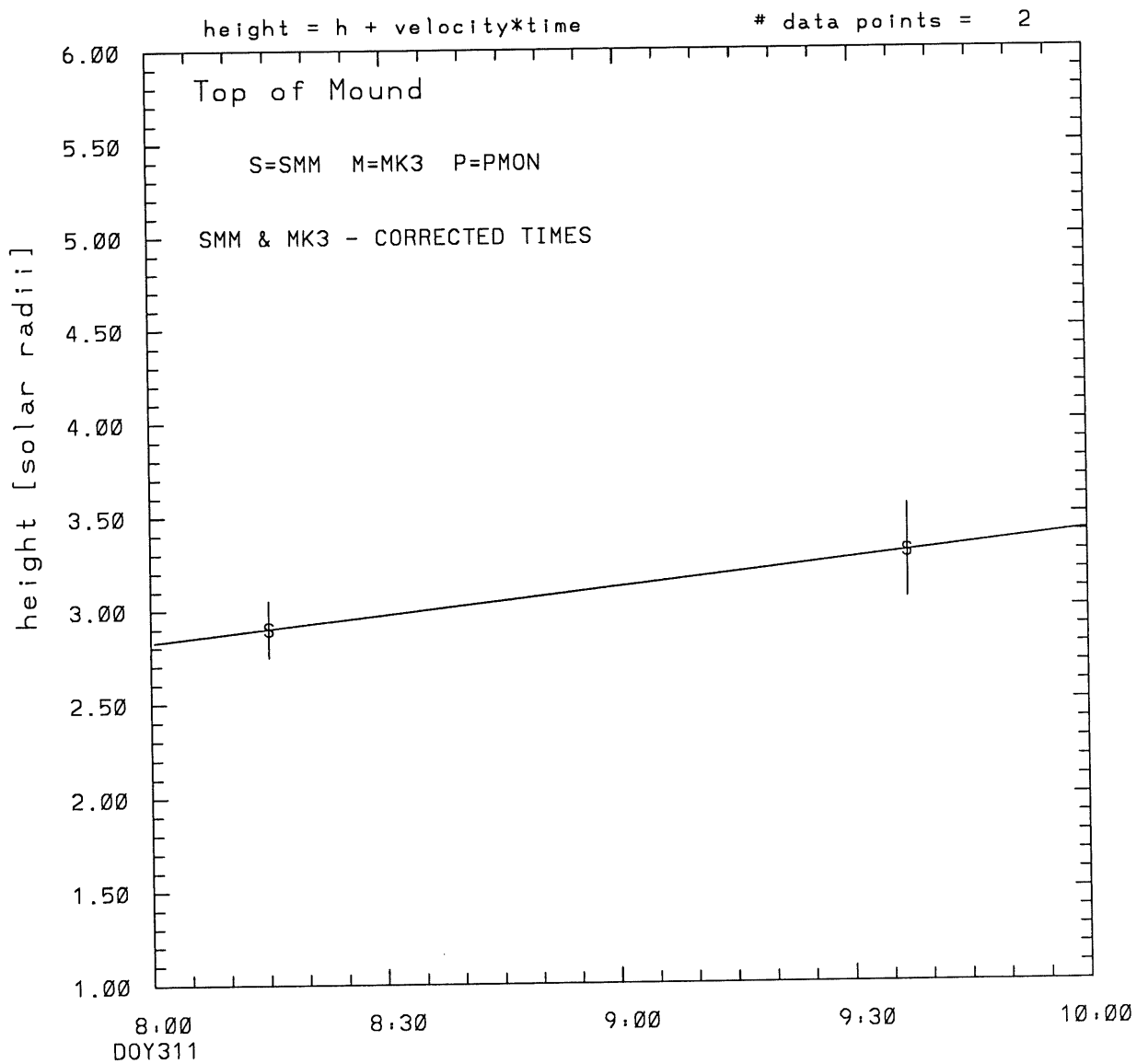


SMM C/P 1989 DOY311 60 +/- 0 degrees



8.00  
DOY311

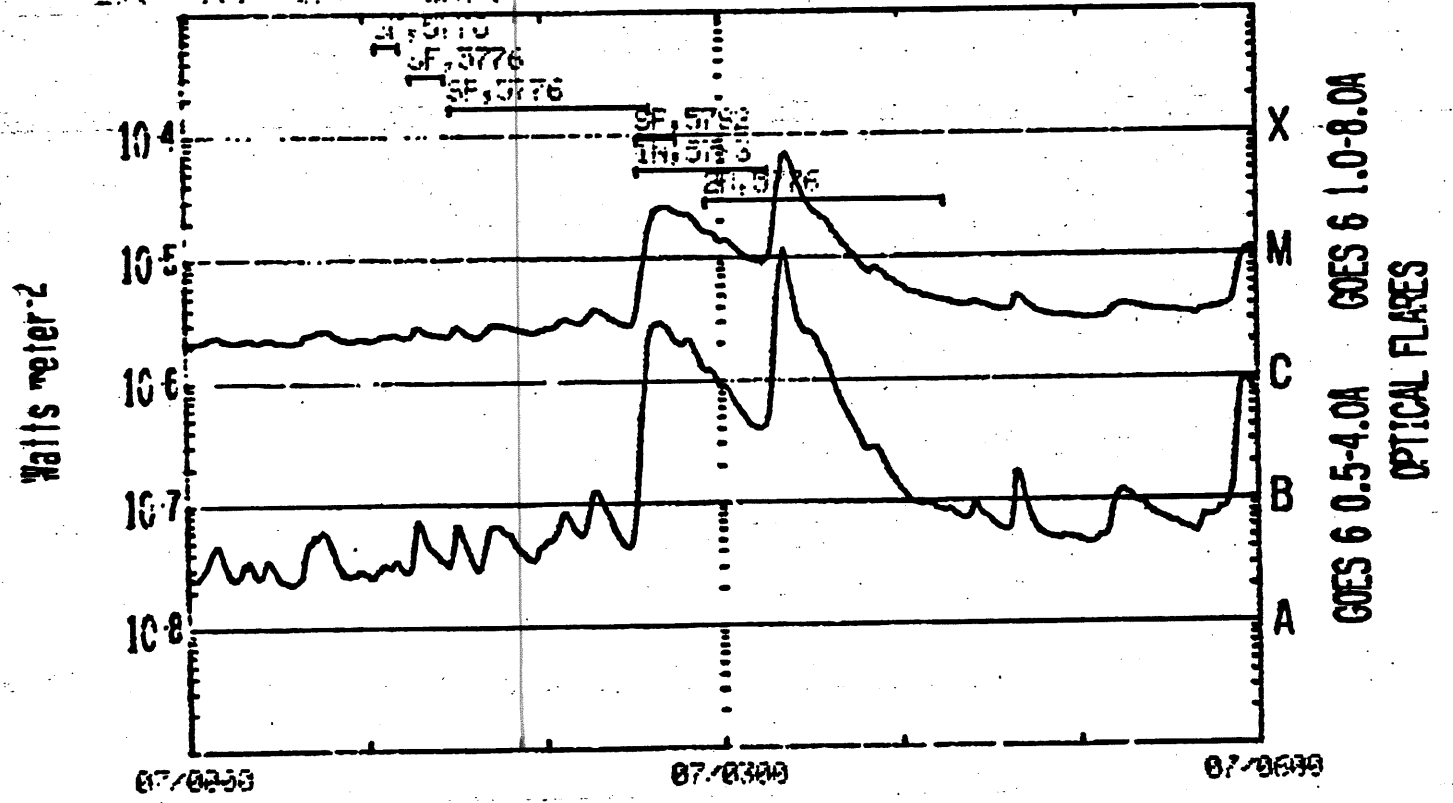
8.30 9.00 9.30 10.00

tstart=DOY311 1.46 +/- 0.0 [min.]  
radial velocity= 57. +/- 0. [km/sec]

1989 Day 311

Top of Mound (later in Event)  
 Center = 69°  
 [15] [order only]

07/03/89



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

SAA's  
 NIGHT  
 RUN: 1952UT  
 13 NOV 89

See next  
 page

1989 Day 311

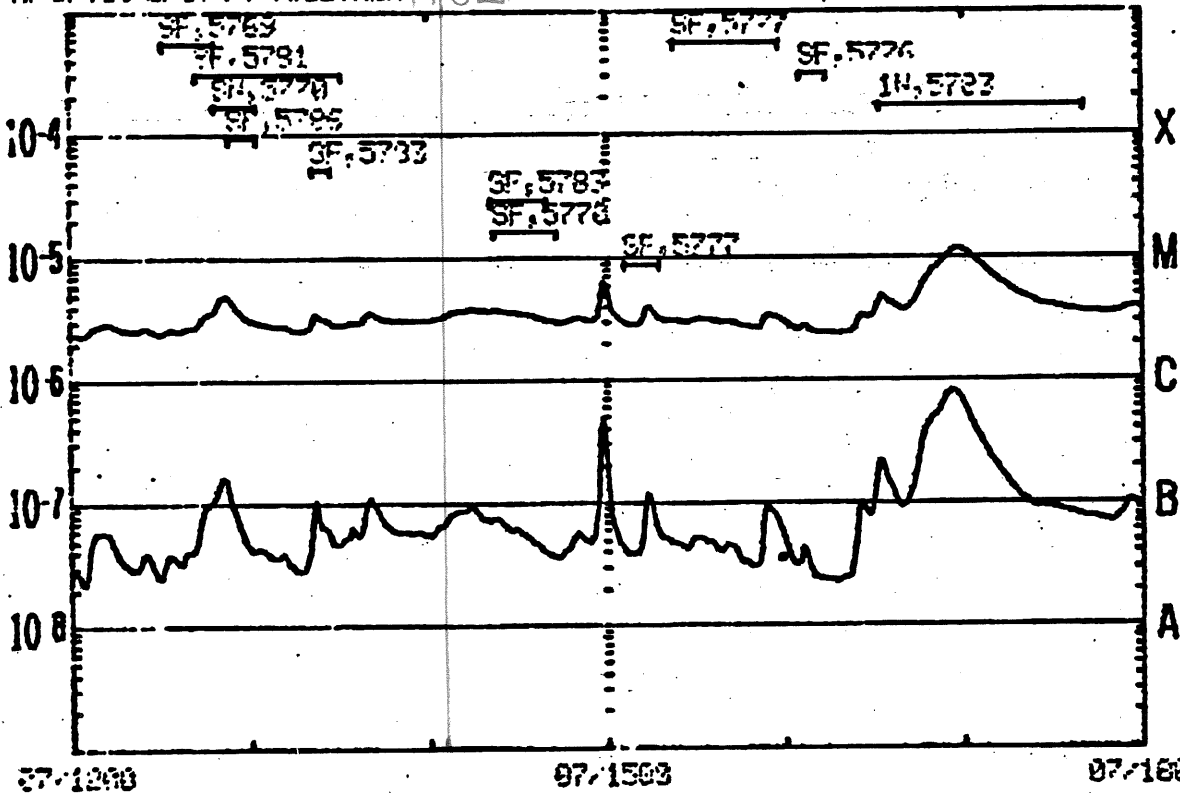
Inner Edge of Prominence  
Center = 770  
[1405] 1st order only

and OPTICAL DATA TOGETHER.

STOP  
Rel.

BEGIN: 07 NOV 89

Watts meter<sup>2</sup>



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

SAA's  
NIGHT

GOES-6 1 MIN DATA: OPTICAL FLARE DUR. IMP. REGION

RUN: 2144UT  
13 NOV 89

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

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

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	311	8:15: 5	2.90 +/-	0.15	60.0 +/-	1.0	SMM
1989	311	9:37: 0	3.30 +/-	0.25	60.0 +/-	1.0	SMM

\*\*\*\*\*  
Structure being measured:  
Top of Mound  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.374E+03 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 311 1:46 +/- 0.000E+00 [minutes]

Origin defined at DOY311 8: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 57. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.283E+01 +/- 0.120E-05 [solar radii]  
c(2) = 0.488E-02 +/- 0.233E-07 [radii/min]  
c(2) = 0.566E+02 +/- 0.271E-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) = 60. +/- 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 8:15 = 57. km/sec

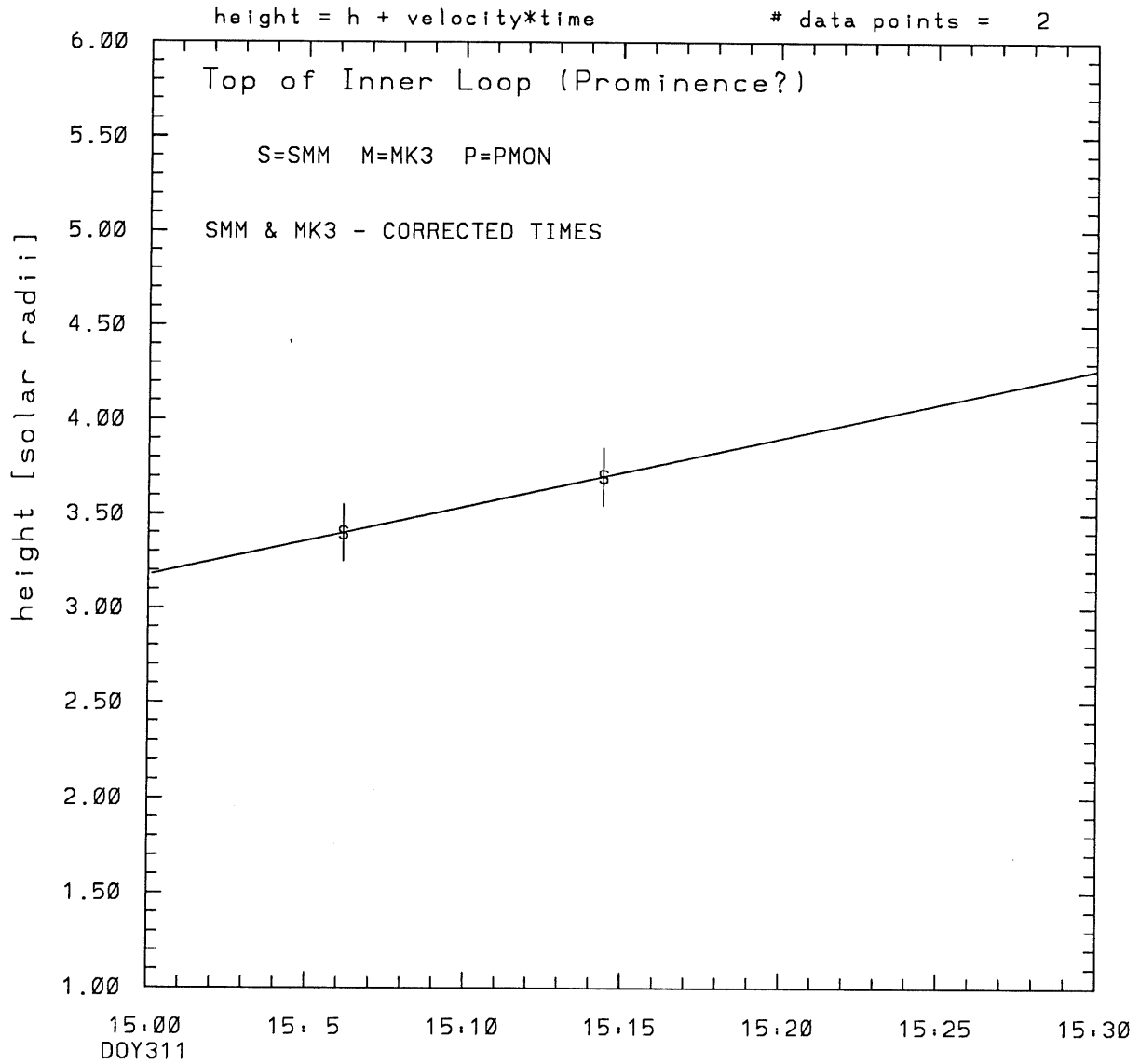
The RADIAL velocity at 9:37 = 57. km/sec

\*\*\*\*\*  
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!

SMM C/P 1989 DOY311 69 +/- 0 degrees



tstart=DOY311 14: 2 +/- 0.0 [min.]  
radial velocity= 421. +/- 0. [km/sec]

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

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

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	311	15: 6:10	3.40 +/-	0.15	69.0 +/-	1.0	SMM
1989	311	15:14:26	3.70 +/-	0.15	69.0 +/-	1.0	SMM

\*\*\*\*\*  
Structure being measured:  
Top of Inner Loop (Prominence?)  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.600E+02 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 311 14: 2 +/- 0.000E+00 [minutes]

Origin defined at DOY311 15: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 421. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.318E+01 +/- 0.453E-06 [solar radii]  
c(2) = 0.363E-01 +/- 0.408E-07 [radii/min]  
c(2) = 0.421E+03 +/- 0.473E-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) = 69. +/- 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 15: 6 = 421. km/sec

The RADIAL velocity at 15:14 = 421. 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!