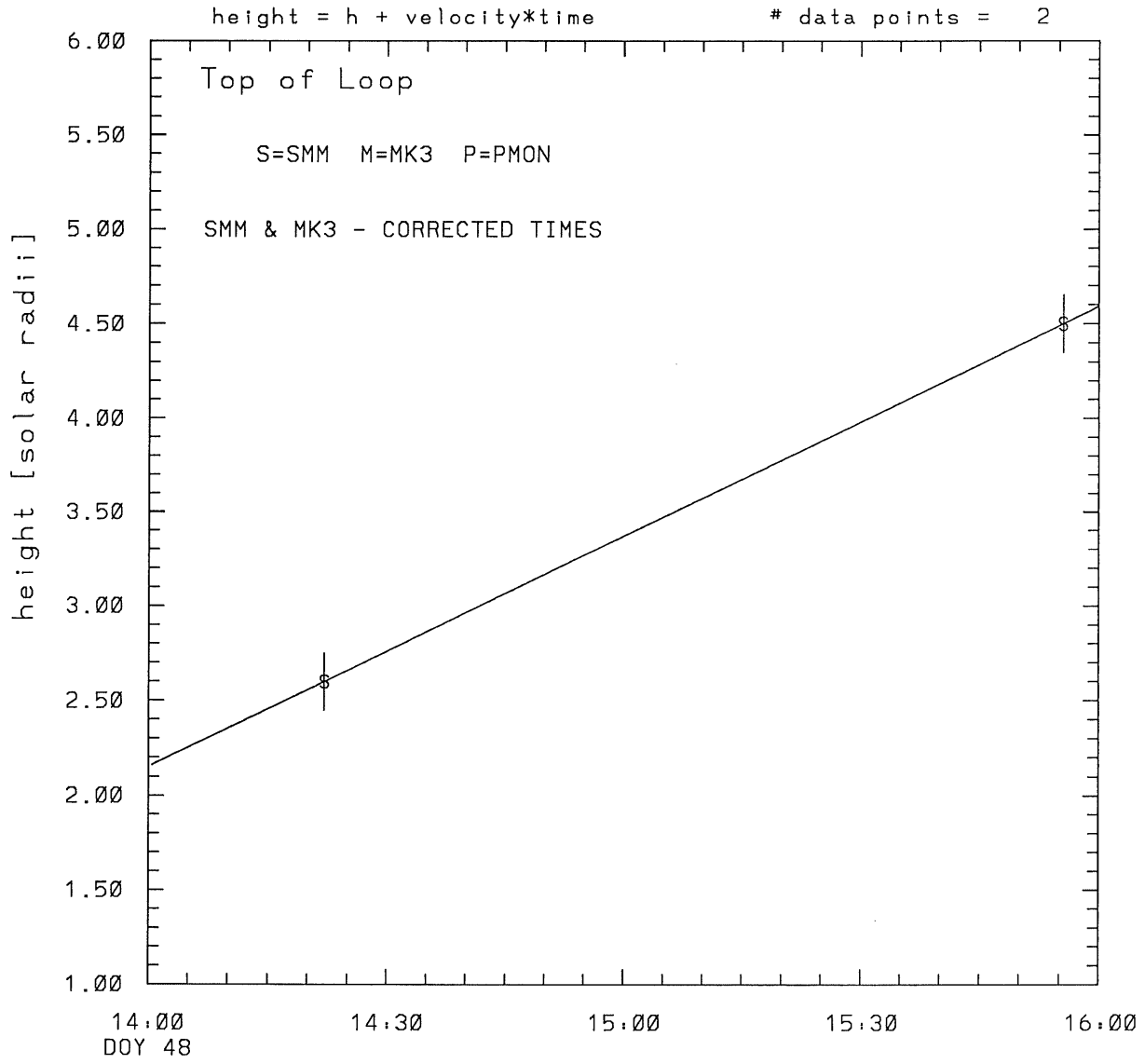


SMM C/P 1989 DOY 48 110 +/- 0 degrees



tstart=DOY 48 13: 5 +/- 0.0 [min.]
radial velocity= 236. +/- 0. [km/sec]

This is a 1 order run

INPUT:

year	day	time	radii	error in radius	angle	error in angle	datatype
1989	48	14:22: 7	2.60	+/- 0.15	110.0	+/- 0.5	SMM
1989	48	15:55:33	4.50	+/- 0.15	110.0	+/- 0.5	SMM

Structure being measured:
Top of Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.566E+02 +/- 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 48 13: 5 +/- 0.000E+00 [minutes]

Origin defined at DOY 48 14: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 236. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.215E+01 +/- 0.134E-05$ [solar radii]
 $c(2) = 0.203E-01 +/- 0.161E-07$ [radii/min]
 $c(2) = 0.236E+03 +/- 0.187E-03$ [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:

$a(1) = 110. +/- 0.$ [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 14:22 = 0. km/sec

The TOTAL velocity at 14:22 = 236. km/sec

The TANGENTIAL velocity at 15:55 = 0. km/sec

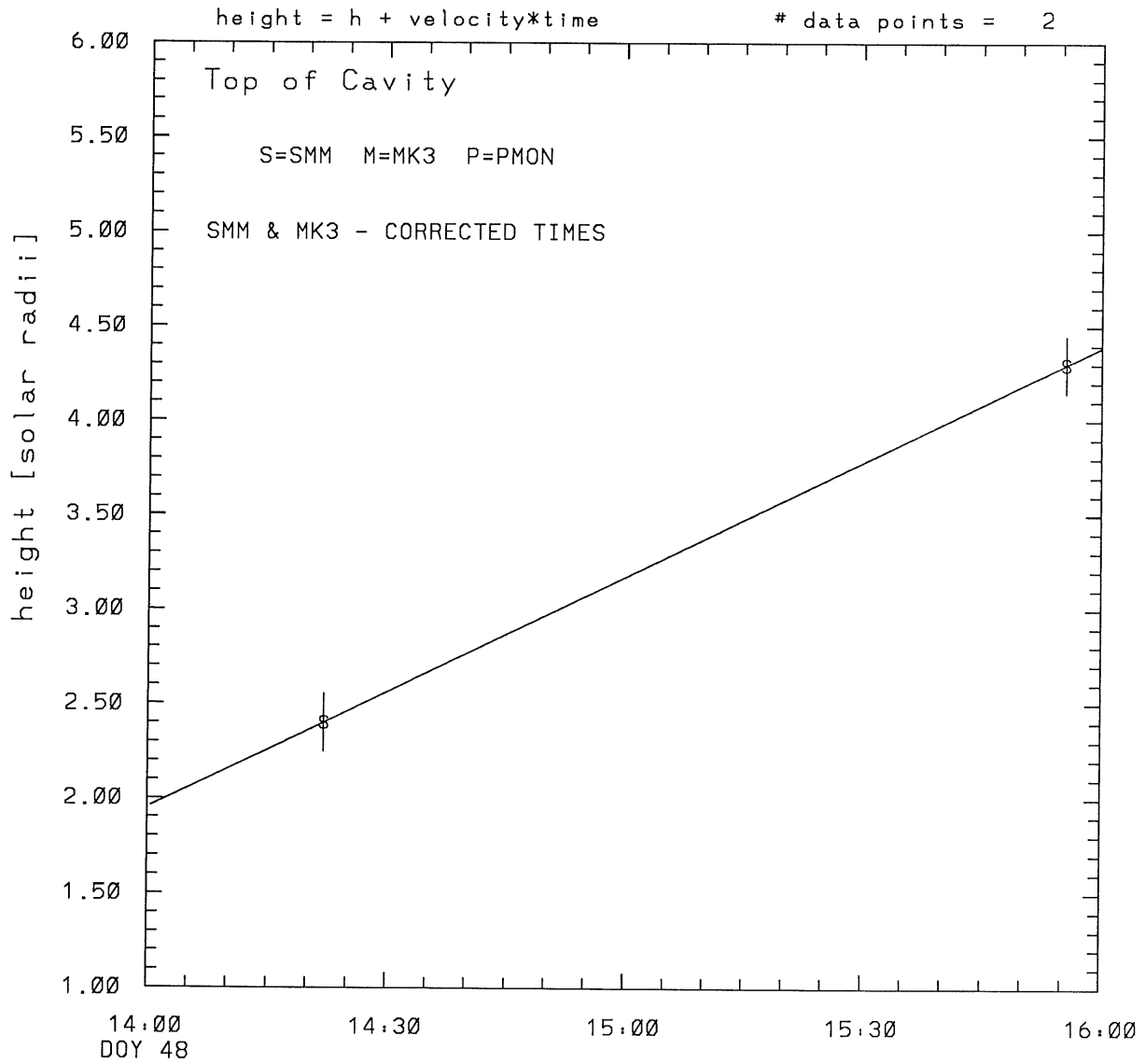
The TOTAL velocity at 15:55 = 236. km/sec

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 DOY 48 110 +/- 0 degrees



tstart=DOY 48 13:15 +/- 0.0 [min.]
radial velocity= 236. +/- 0. [km/sec]

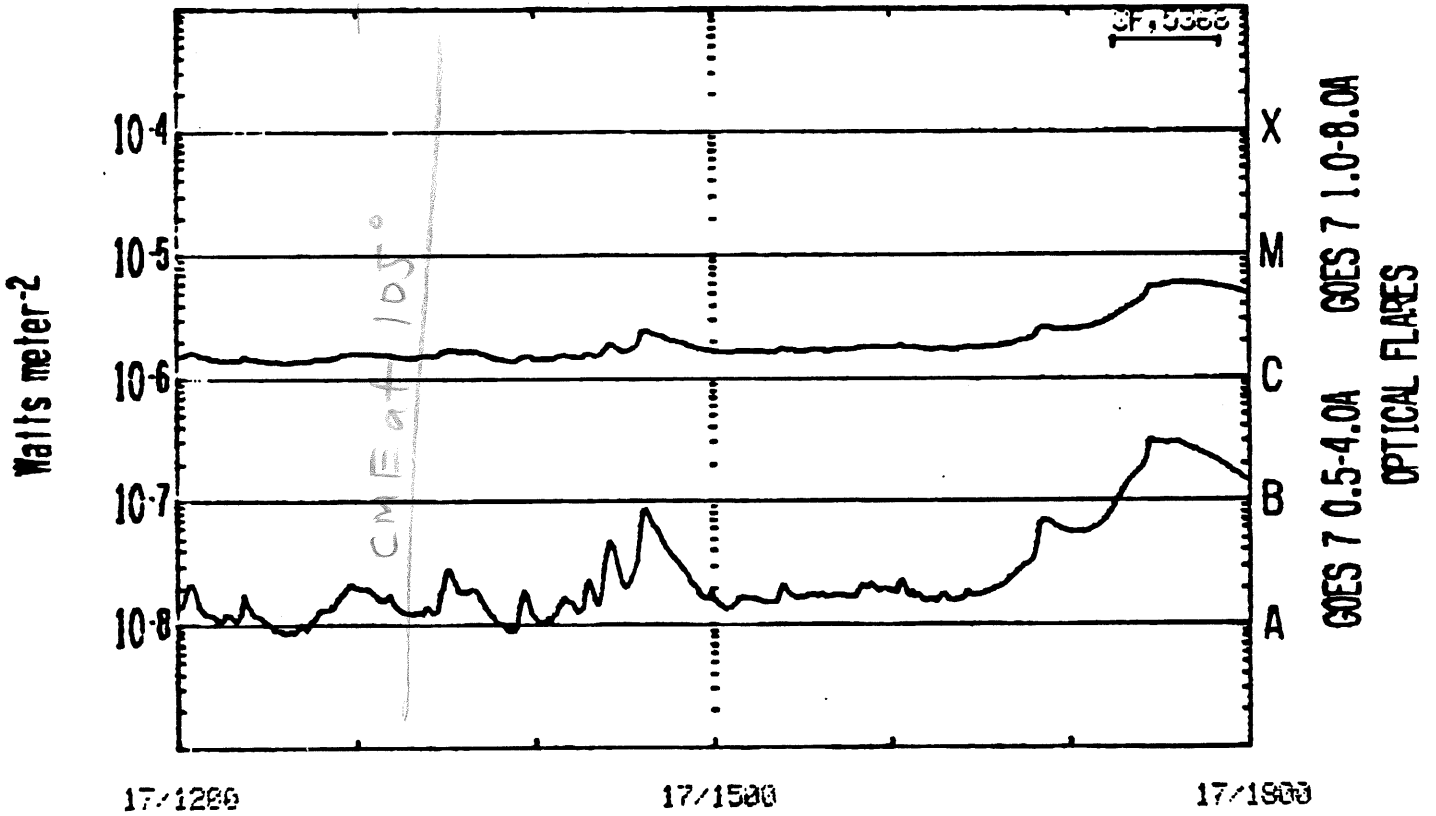
1989 Day 48

Top of Loop [13:05] 1st order only
Top of Cavity [13:15] 1st order only

PROY and OPTICAL DATA TOGETHER

STOP Ret..

BEGIN: 17 FEB 89



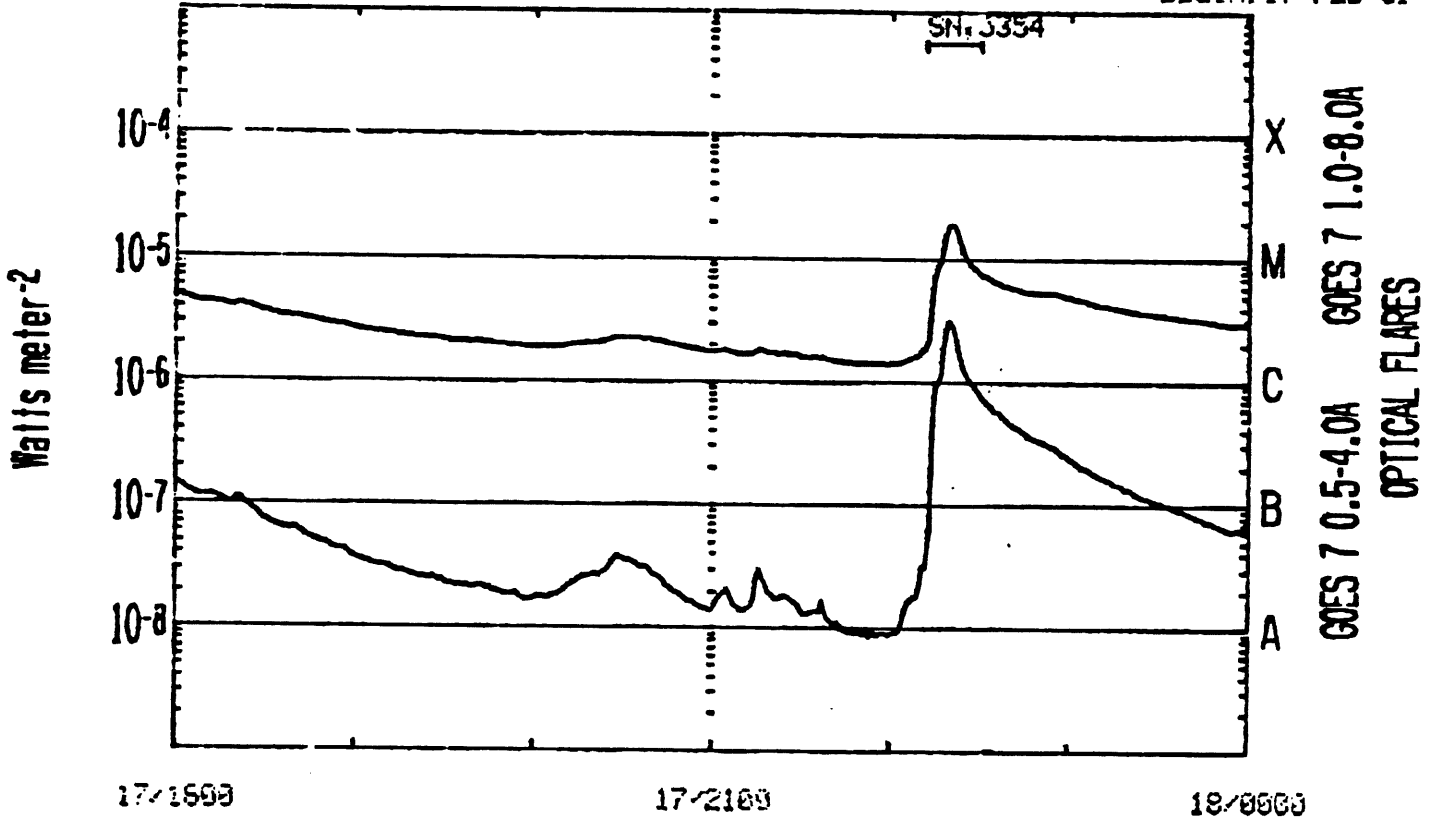
GOES-7 1 MIN DATA; OPTICAL FLARE DUR, IMP, REGION

RUN: 2242UT
24 FEB 89

RAY and OPTICAL DATA TOGETHER

STOP
Ret..

BEGIN: 17 FEB 89



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

SAA's
NIGHT

RUN: 2244UT
24 FEB 89

This is a 1 order run

INPUT:

year	doy	time	radii	error in radius	error in angle	datatype
1989	48	14:22: 7	2.40	+/- 0.15	110.0 +/- 0.5	SMM
1989	48	15:55:33	4.30	+/- 0.15	110.0 +/- 0.5	SMM

Structure being measured:

Top of Cavity

OUTPUT:

START TIME:

Event began at $t = 0 + -0.467E+02 +/- 0.000E+00$ [minutes]

In more convenient units:

Event began at DOY 48 13:15 +/- 0.000E+00 [minutes]

Origin defined at DOY 48 14: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 236. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.195E+01 +/- 0.134E-05 [solar radii]
c(2) = 0.203E-01 +/- 0.161E-07 [radii/min]
c(2) = 0.236E+03 +/- 0.187E-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) = 110. +/- 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 14:22 = 0. km/sec

The TOTAL velocity at 14:22 = 236. km/sec

The TANGENTIAL velocity at 15:55 = 0. km/sec

The TOTAL velocity at 15:55 = 236. 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!