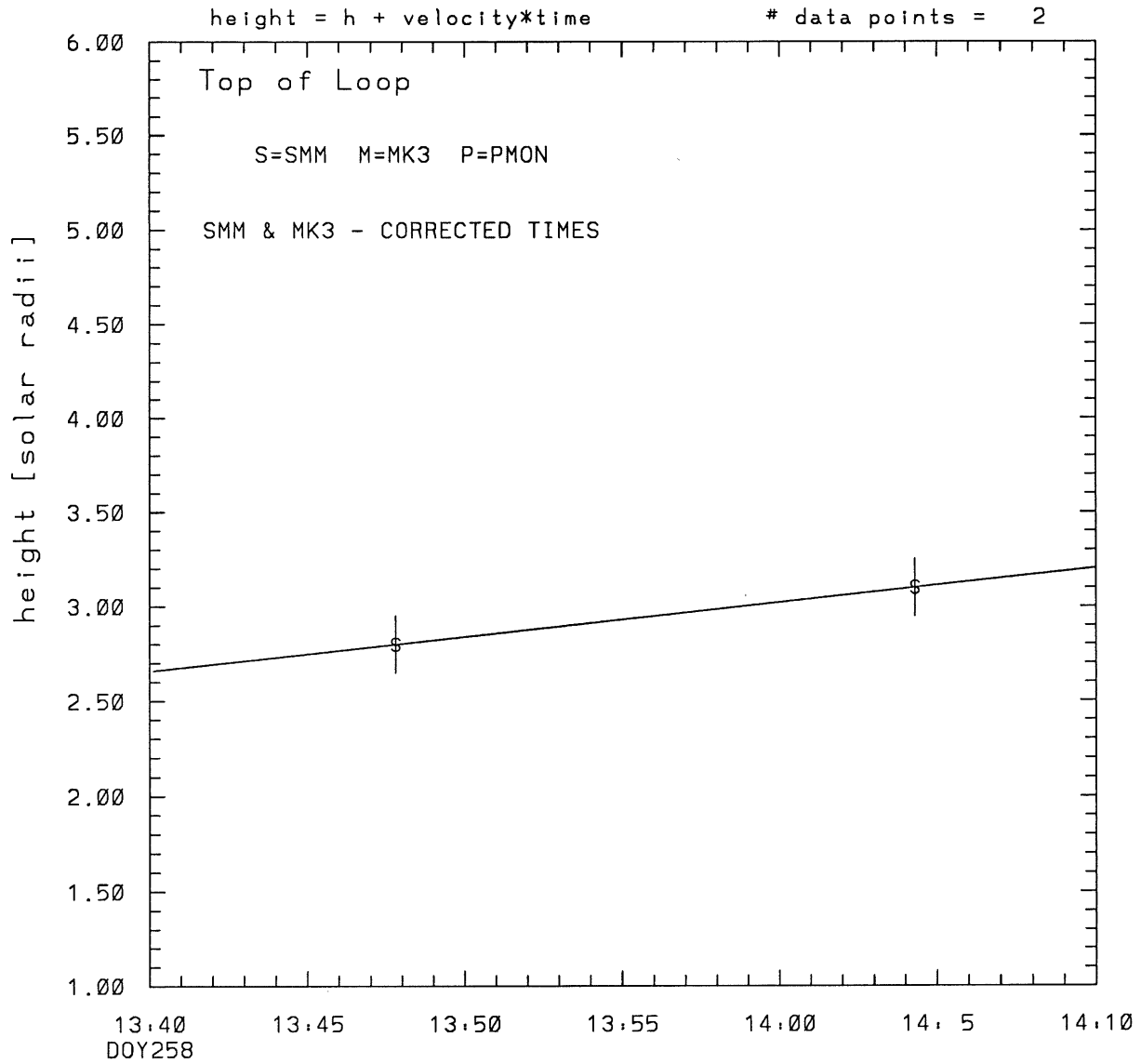


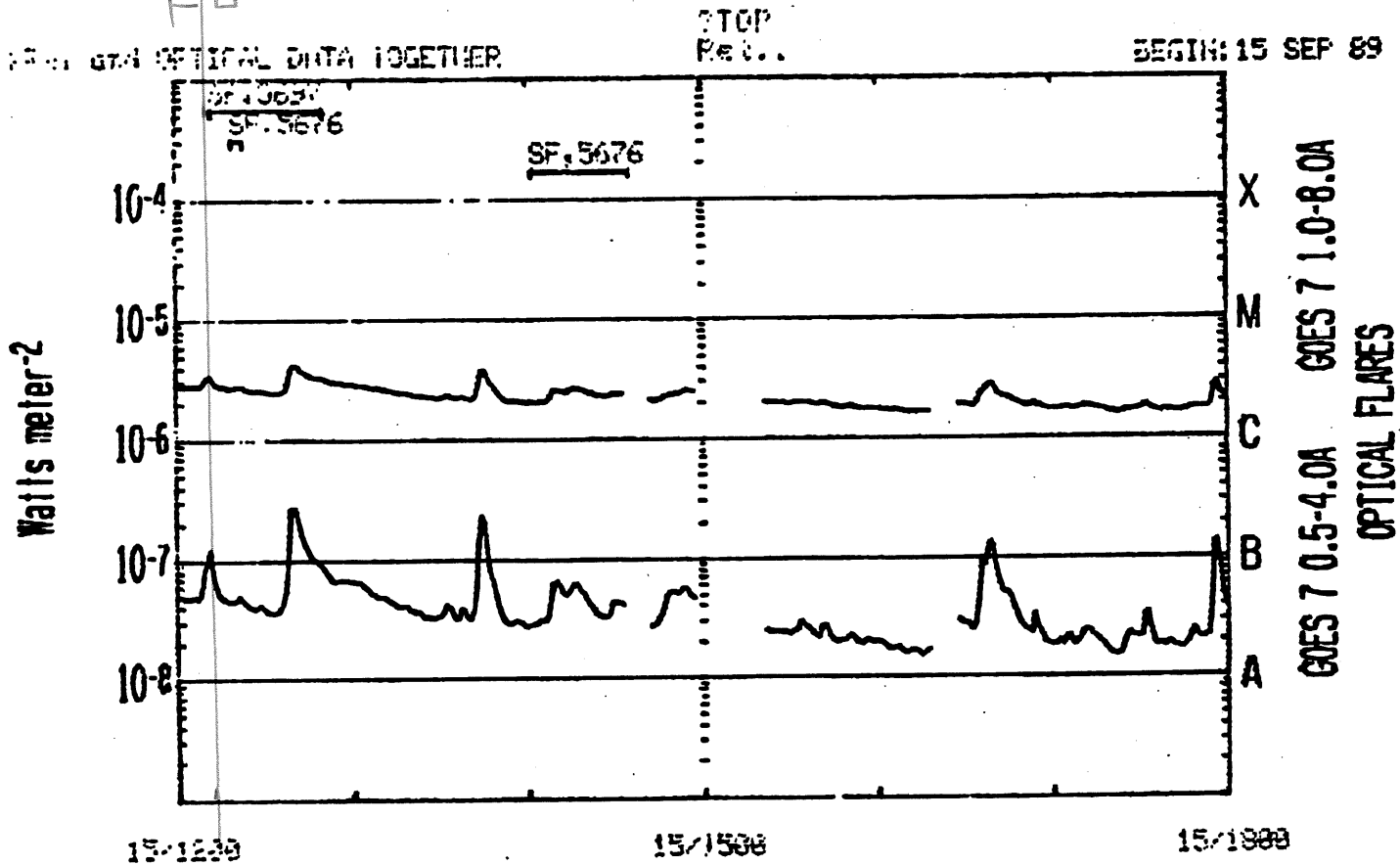
SMM C/P 1989 DOY258 155 +/- 0 degrees



tstart=DOY258 12: 9 +/- 0.0 [min.]
radial velocity= 211. +/- 0. [km/sec]

1989 001 258

Top of Loop center = 163°
[12:12] 1st order only



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

SAA's
NIGHT
RUN: 2945UT
19 SEP 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	258	13:47:48	2.80 +/-	0.15	155.0 +/-	0.5	SMM
1989	258	14: 4:18	3.10 +/-	0.15	155.0 +/-	1.0	SMM

Structure being measured:
Top of Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.912E+02 +/- 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 258 12: 9 +/- 0.000E+00 [minutes]
Origin defined at DOY258 13:40

RADIAL INFORMATION:

RADIAL VELOCITY = 211. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.266E+01 +/- 0.000E+00$ [solar radii]
 $c(2) = 0.182E-01 +/- 0.000E+00$ [radii/min]
 $c(2) = 0.211E+03 +/- 0.000E+00$ [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 = 0.0000E+00 +/- 0.0000E+00[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

$a(1) = 155. +/- 0.$ [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 13:47 = 211. km/sec

The RADIAL velocity at 14: 4 = 211. 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!