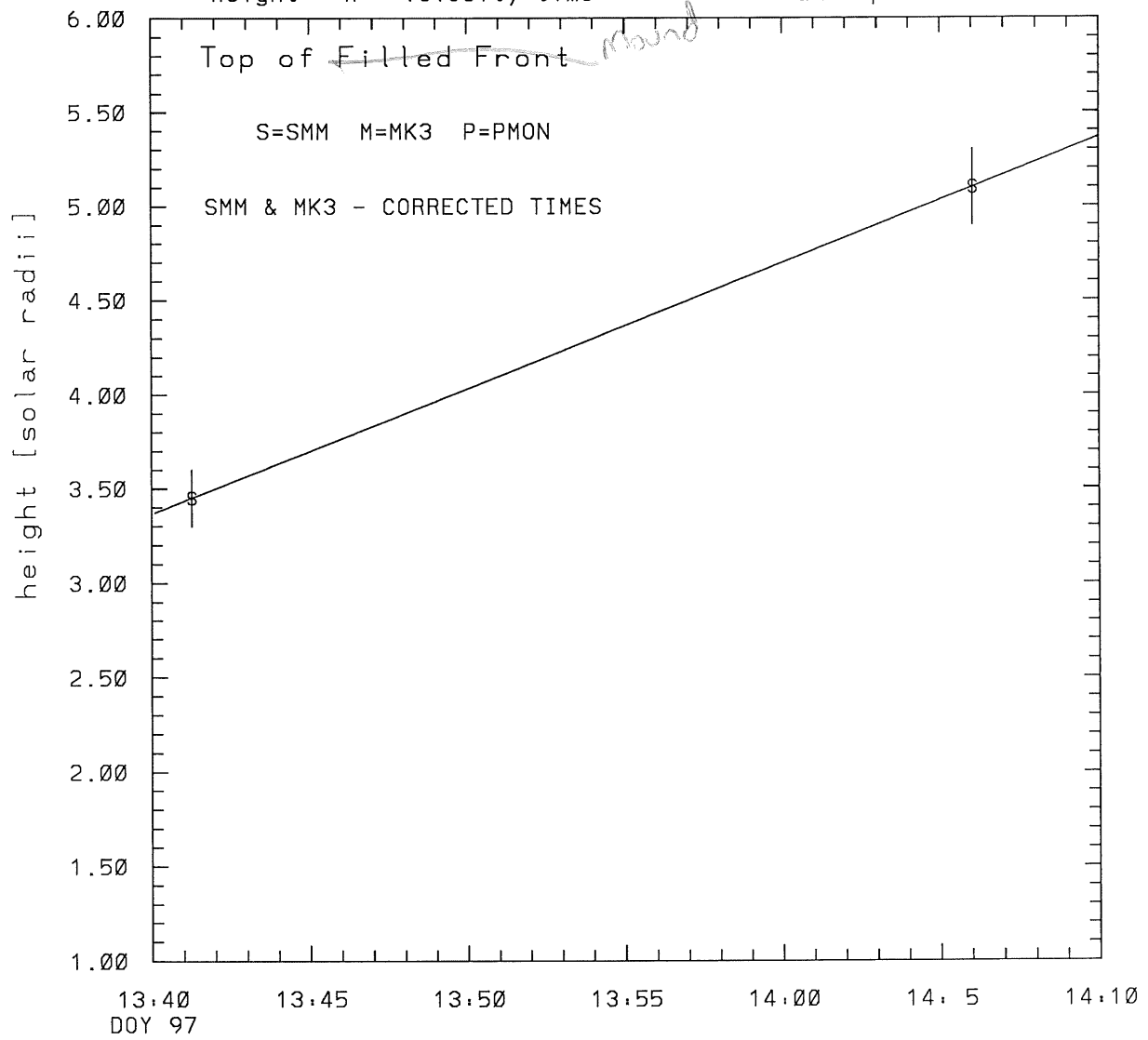


SMM C/P 1989 DOY 97 90 +/- 0 degrees

height = h + velocity\*time

# data points = 2



tstart=DOY 97 13.6 +/- 0.0 [min.]  
radial velocity= 773. +/- 0. [km/sec]

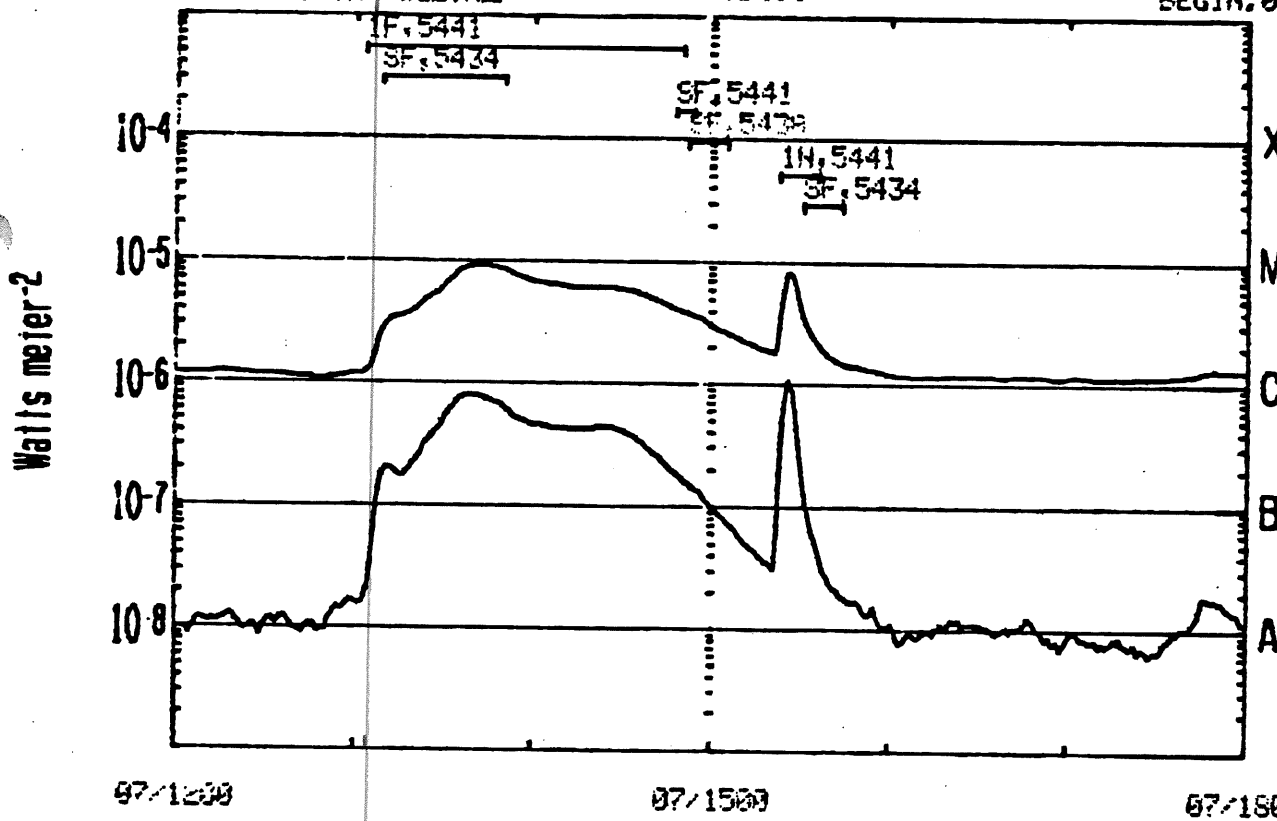
1989 May 097

Top of Filled Front center = 93°  
[13:06] ISI order only

RAY and OPTICAL DATA TOGETHER

STOP  
Ret..

BEGIN: 07 APR 89



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

07/1200

07/1500

07/1800

SAA's  
NIGHT

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

RUN: 1703UT  
9 APR 89

\*\*\*\*\*

This is a 1 order run

\*\*\*\*\*

\*\*\*\*\*

INPUT:

\*\*\*\*\*

year	doy	time	radii	error in radius	error in angle	datatype
1989	97	13:41:16	3.45	+/- 0.15	90.0 +/- 1.0	SMM
1989	97	14: 6: 2	5.10	+/- 0.20	90.0 +/- 1.0	SMM

\*\*\*\*\*

Structure being measured:

Top of Filled Front

\*\*\*\*\*

\*\*\*\*\*

OUTPUT:

\*\*\*\*\*

START TIME:

Event began at  $t = 0 + -0.355E+02 +/- 0.000E+00$  [minutes]

In more convenient units:

Event began at DOY 97 13: 6 +/- 0.000E+00 [minutes]

Origin defined at DOY 97 13:40

RADIAL INFORMATION:

RADIAL VELOCITY = 773. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.337E+01 +/- 0.666E-06$  [solar radii]  
 $c(2) = 0.666E-01 +/- 0.425E-07$  [radii/min]  
 $c(2) = 0.773E+03 +/- 0.494E-03$  [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:

$a(1) = 90. +/- 0.$  [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 13:41 = 0. km/sec

The TOTAL velocity at 13:41 = 773. km/sec

The TANGENTIAL velocity at 14: 6 = 0. km/sec

The TOTAL velocity at 14: 6 = 773. 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!