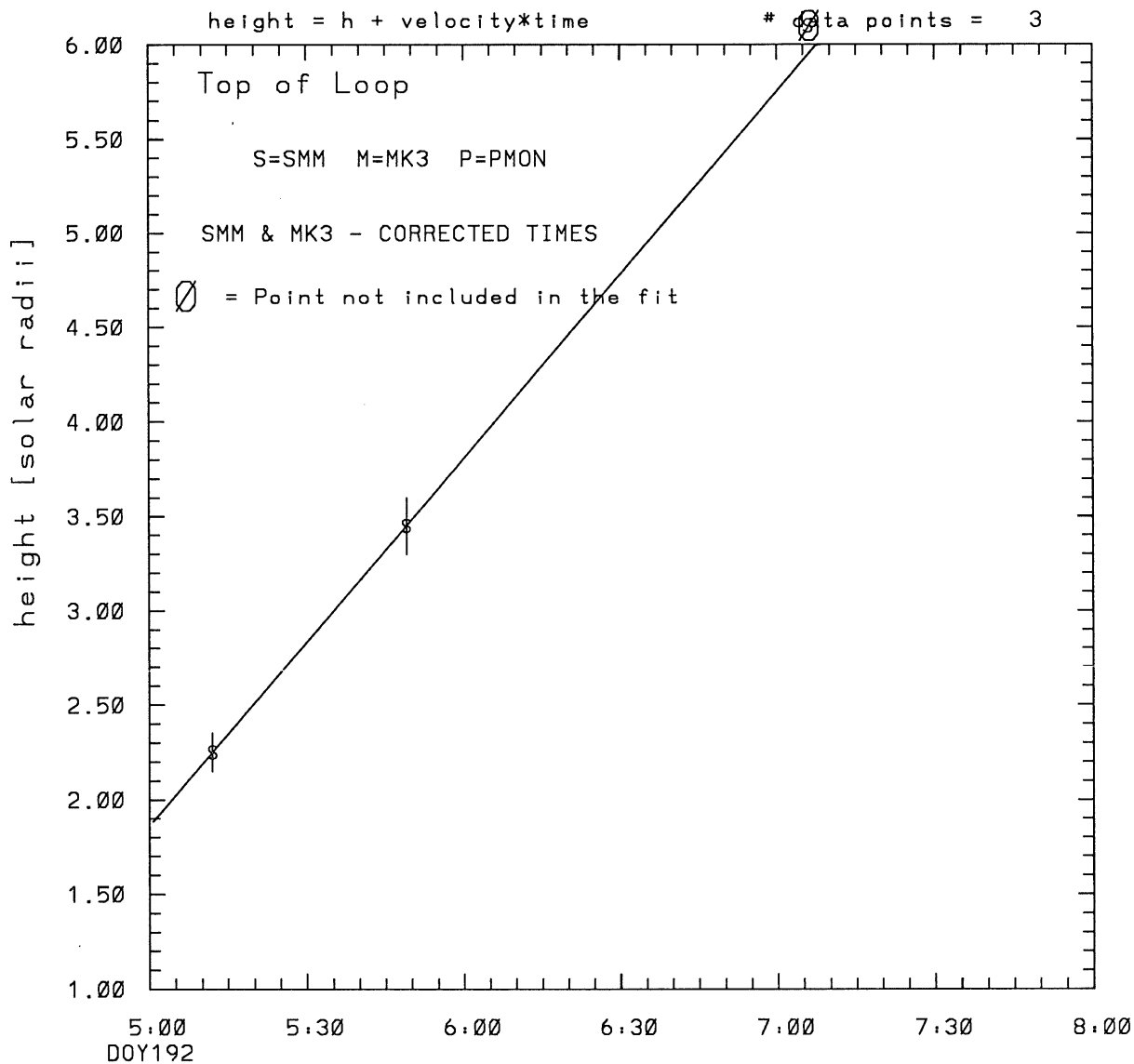


SMM C/P 1986 DOY192 275 +/- 0 degrees



tstart=DOY192 4:35 +/- NaN [min.]  
radial velocity= 376. +/- 0. [km/sec]

\*\*\*\*\*

This is a 1 order run

\*\*\*\*\*

\*\*\*\*\*

INPUT:

\*\*\*\*\*

year	day	time	radii	error in radius	angle	error in angle	datatype
1986	192	5:12: 1	2.25	+/- 0.10	275.0	+/- 0.5	SMM
1986	192	5:49: 1	3.45	+/- 0.15	275.0	+/- 1.0	SMM
1986	192	7: 6: 2	6.10	-----	275.00	+/- ----	SMM THIS POINT WASN'T USED IN THE FIT.

\*\*\*\*\*

Structure being measured:

Top of Loop

\*\*\*\*\*

\*\*\*\*\*

OUTPUT:

\*\*\*\*\*

START TIME:

Event began at t = 0 + -0.265E+02 +/- NaN [minutes]

In more convenient units:

Event began at DOY 192 4:35 +/- NaN [minutes]

Origin defined at DOY192 5: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 376. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.186E+01 +/- 0.165E-06 [solar radii]

c(2) = 0.324E-01 +/- 0.570E-08 [radii/min]

c(2) = 0.376E+03 +/- 0.661E-04 [km/sec]

c(3) = 0.000E+00 +/- 0.000E+00 [radii/min\*\*2]

c(3) = 0.000E+00 +/- 0.000E+00 [km/sec\*\*2]

The computed ERRORS in coefficients [BEVINGTON] are:

error in c(1)= 0.14499E+00 [radii] see Bevington pg. 114

error in c(2)= 0.18498E-02 [radii/min] see Bevington pg. 114

ANGULAR INFORMATION:

ANGULAR VELOCITY = 0.0000E+00 +/- 0.0000E+00[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 275. +/- 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 5:12 = 0.000E+00 km/sec

The TOTAL velocity at 5:12 = 376. km/sec

The TANGENTIAL velocity at 5:49 = 0.000E+00 km/sec

The TOTAL velocity at 5:49 = 376. km/sec

The TANGENTIAL velocity at 7: 6 = 0.000E+00 km/sec

The TOTAL velocity at 7: 6 = 376. km/sec

\*\*\*\*\*

The following info is for estimating goodness of the fit

\*\*\*\*\*

Fit is ok [ier=1]

Standard Deviation in the height = 1.97

Standard Deviation in start time measurement = 0.475E+02

Error in time = 0.46917E+01 using best fit method

See Taylor Error Analysis [Univ of Colorado] pg.78

Value of reduced Chi Squared returned from nllst2 = 0.284E-13

Reduced Chi Squared = 0.695E-01

Chi Squared = 0.695E-01

The probability for exceeding chi square = 0.100E+01

The correlation coefficient = 0.100E+01

The probability that no LINEAR correlation exists between the variables = 0.9023E-02

SEE BEVINGTON "Data Reduction and Error Analysis" [1969]