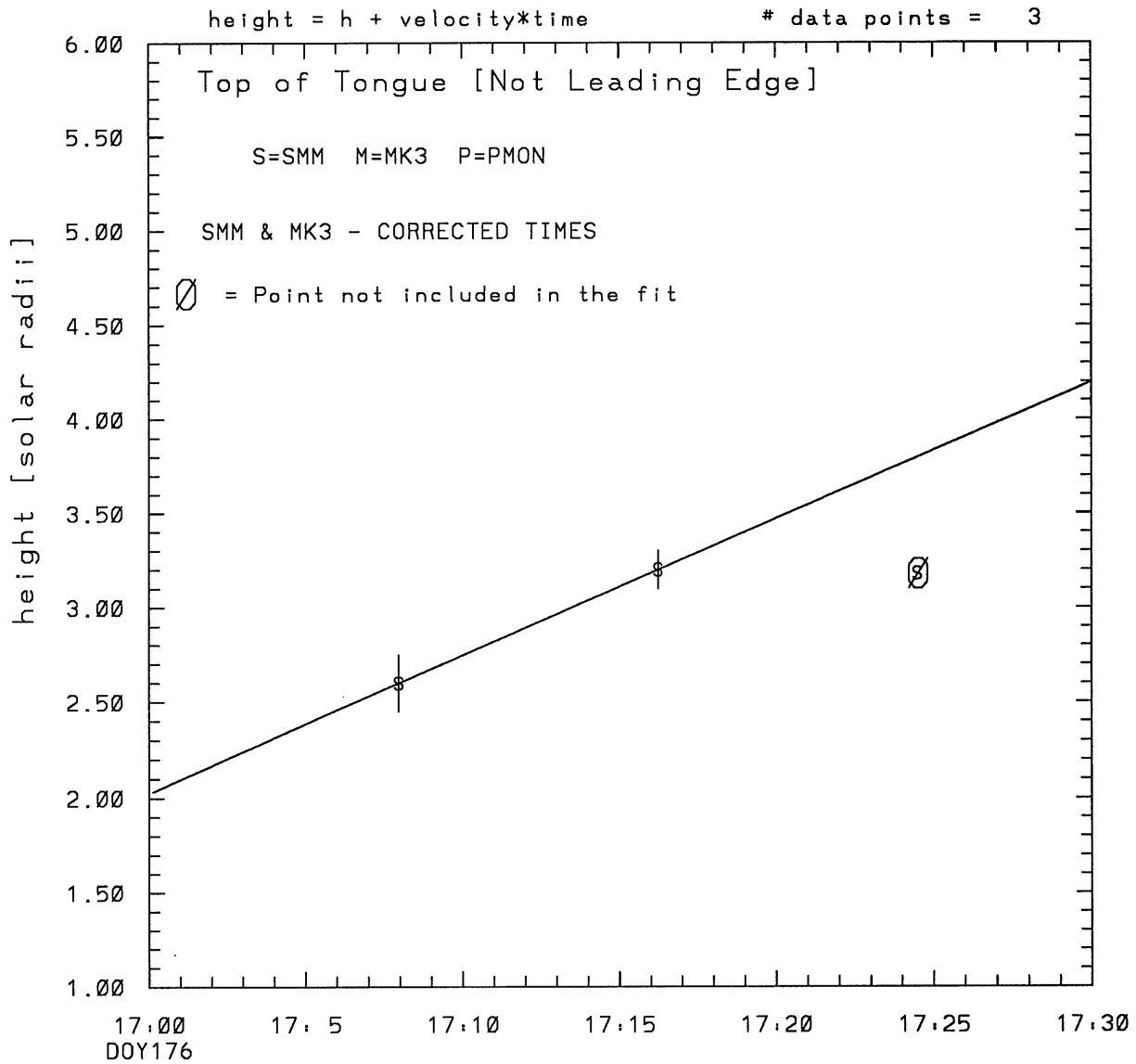


SMM C/P 1988 DOY176 235 +/- 0 degrees



tstart=DOY176 16:46 +/- NaN [min.]  
radial velocity= 840. +/- 0. [km/sec]

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

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

year	day	time	radii	radius	error in angle	error in angle	datatype
1988	176	17: 7:58	2.60 +/-	0.15	235.0 +/-	0.5	SMM
1988	176	17:16:15	3.20 +/-	0.10	235.0 +/-	1.0	SMM
1988	176	17:24:29	3.18	-----	237.00 +/-	----	SMM THIS POINT WASN'T USE

\*\*\*\*\*  
Structure being measured:  
Top of Tongue [Not Leading Edge]  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.141E+02 +/- NaN [minutes]  
In more convenient units:  
Event began at DOY 176 16:46 +/- NaN [minutes]

Origin defined at DOY176 17: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 840. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.202E+01 +/- 0.000E+00 [solar radii]  
c(2) = 0.724E-01 +/- 0.000E+00 [radii/min]  
c(2) = 0.840E+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]

The computed ERRORS in coefficients [BEVINGTON] are:

error in c(1)= 0.92771E+00 [radii] see Bevington pg. 114  
error in c(2)= 0.52776E-01 [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) = 235. +/- 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 17: 7 = 840. km/sec

The RADIAL velocity at 17:16 = 840. km/sec

The RADIAL velocity at 17:24 = 840. km/sec

\*\*\*\*\*  
The following info is for estimating goodness of the fit  
\*\*\*\*\*

Fit is ok [ier=1]

Standard Deviation in the height = 0.34  
Standard Deviation in start time measurement = 0.674E+01  
Error in time = 0.85094E+01 using best fit method  
See Taylor Error Analysis [Univ of Colorado] pg.78

Value of reduced Chi Squared returned from nllst2 = 0.000E+00  
Reduced Chi Squared = 0.114E+01  
Chi Squared = 0.114E+01  
The probability for exceeding chi square = 0.100E+01

The correlation coefficient = 0.852E+00  
The probability that no LINEAR correlation exists between the variables = 0.35091  
SEE BEVINGTON "Data Reduction and Error Analysis" [1969]