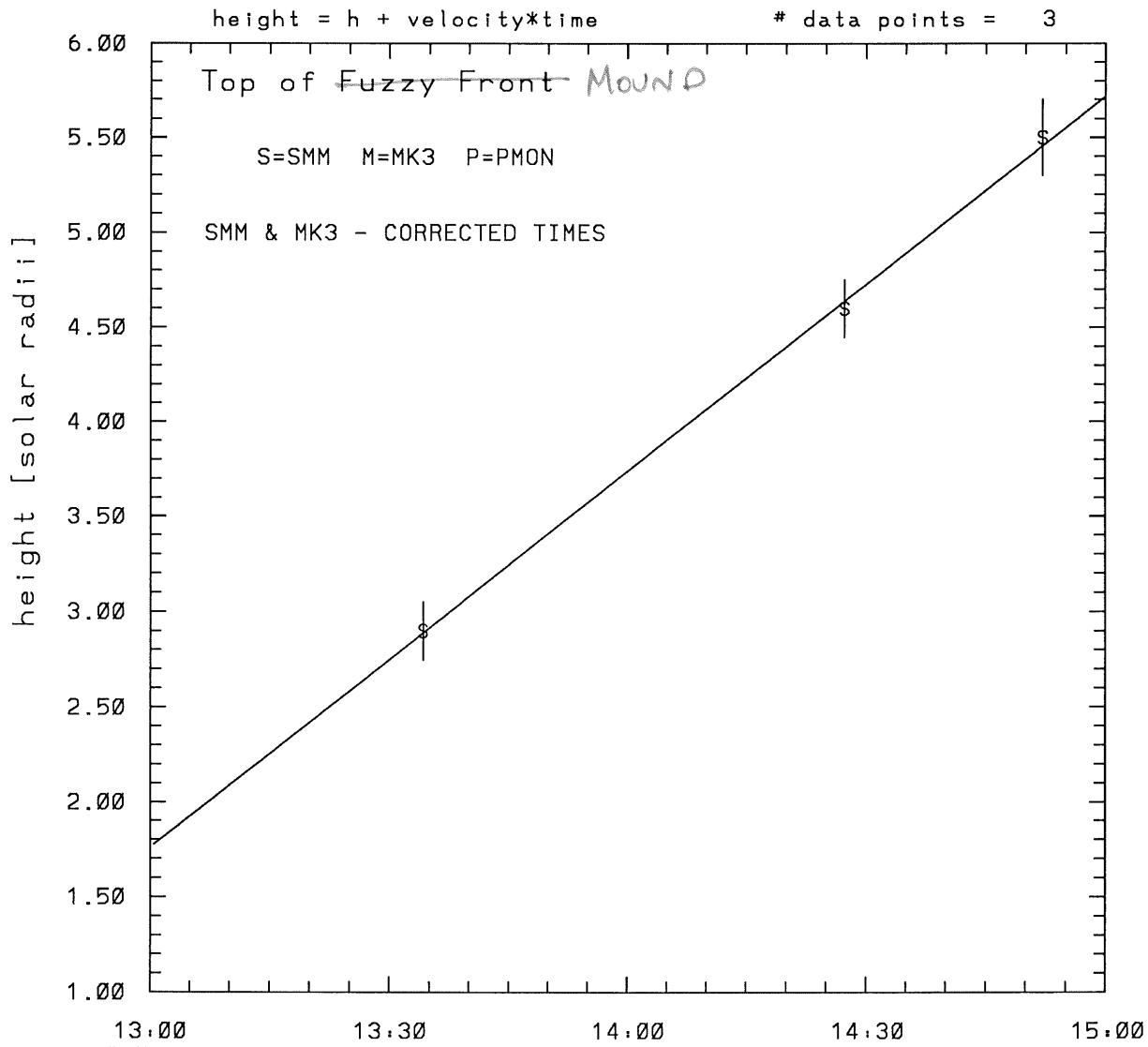
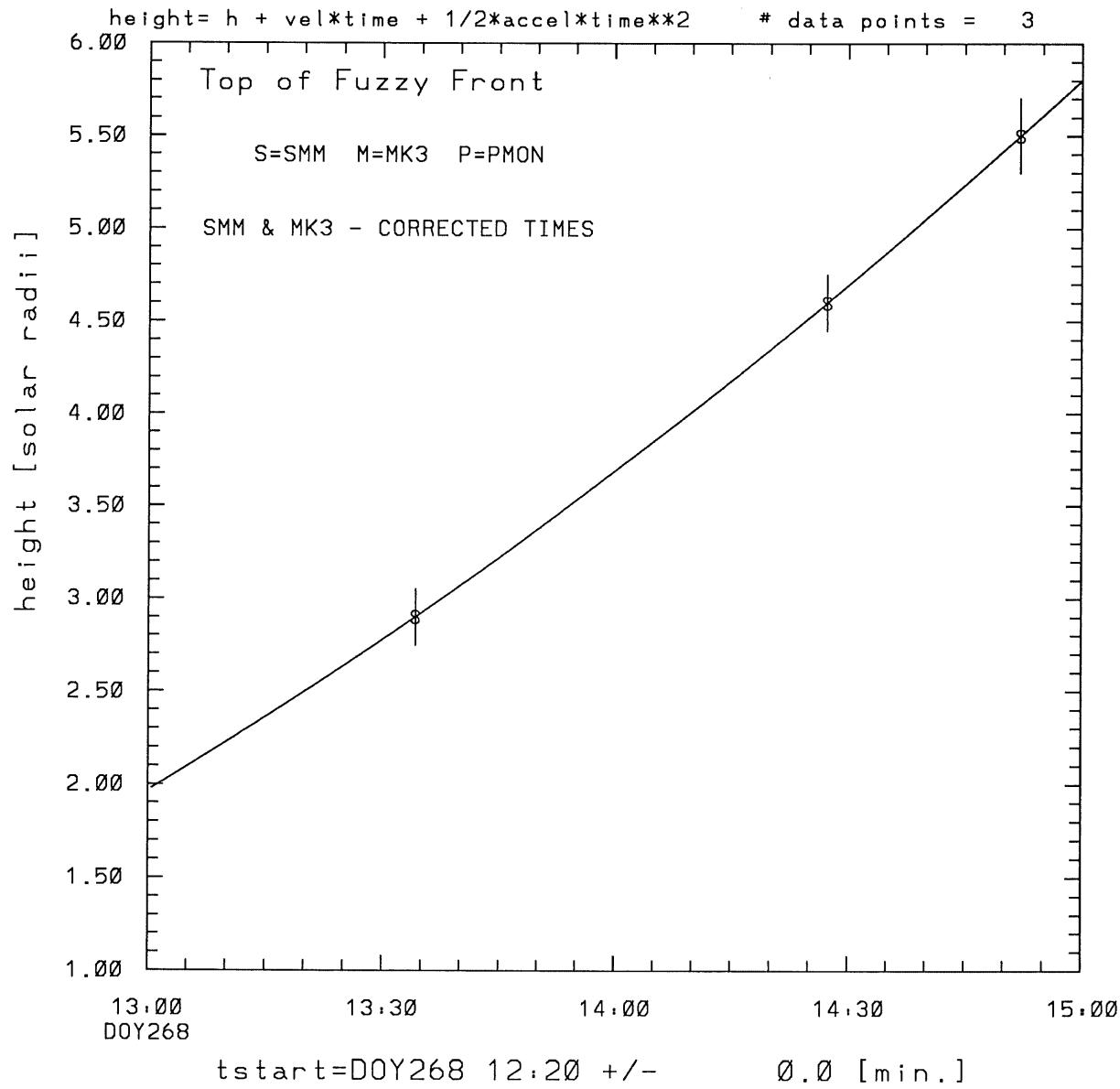


SMM C/P 1988 DOY268 280 +/- 0 degrees

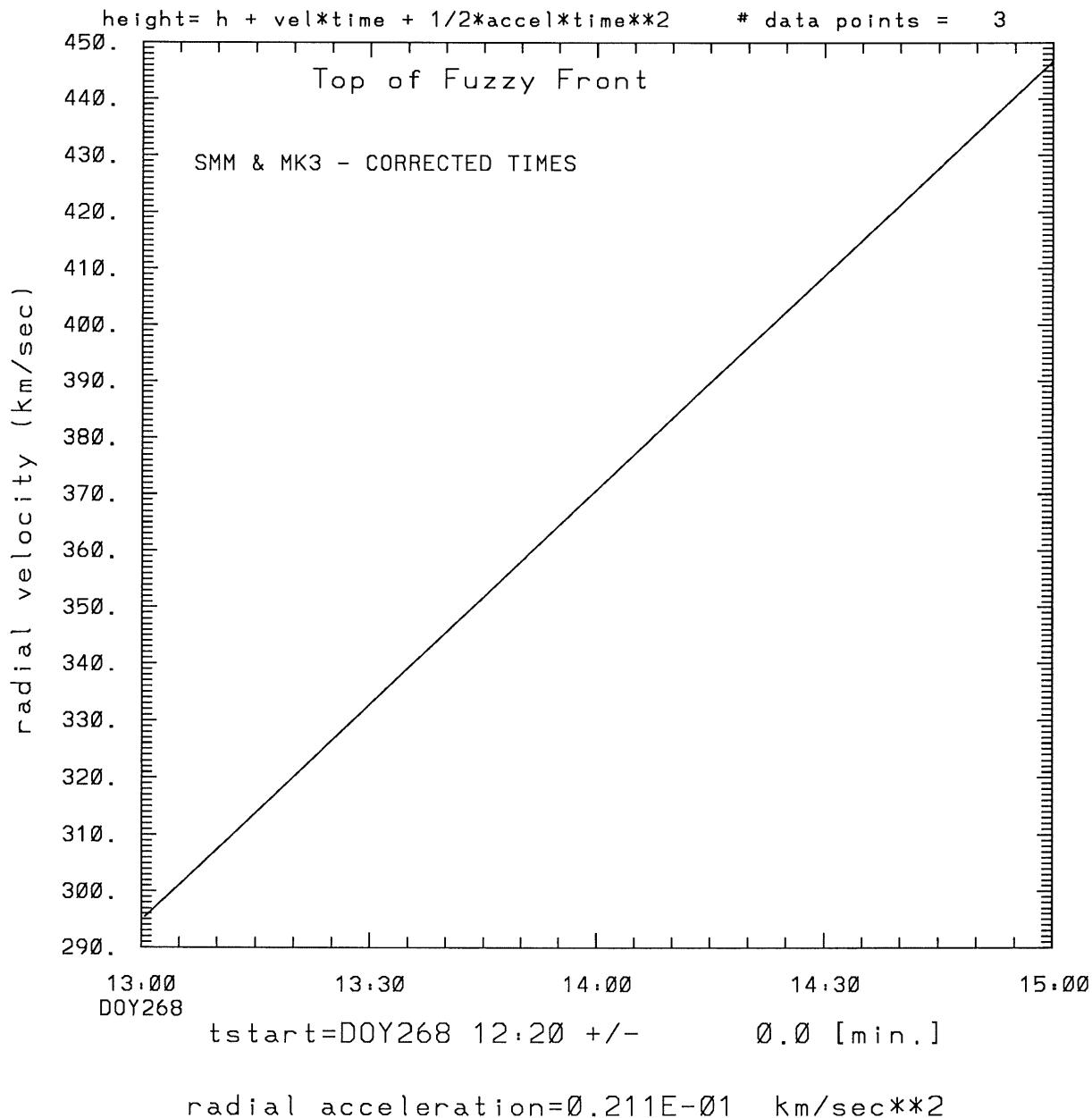


tstart=DOY268 12:37 +/- 0.5 [min.]
radial velocity= 382. +/- 8. [km/sec]

SMM C/P 1988 DOY268 280 +/- 0 degrees



SMM C/P 1988 DOY268 280 +/- 0 degrees



This is a 1 order run

INPUT:

year	doy	time	radii	radius	error in radii	angle	angle	datatype
1988	268	13:34:15	2.90	+/- 0.15	280.0	+/- 0.5	SMM	
1988	268	14:27:18	4.60	+/- 0.15	280.0	+/- 1.0	SMM	
1988	268	14:52: 6	5.50	+/- 0.20	280.0	+/- 1.0	SMM	

Structure being measured:

Top of Fuzzy Front - MOUND

OUTPUT:

START TIME:

Event began at t = 0 + -0.230E+02 +/- 0.457E+00 [minutes]

In more convenient units:

Event began at DOY 268 12:37 +/- 0.457E+00 [minutes]

Origin defined at DOY268 13: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 382. +/- 8. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.176E+01 +/- 0.568E-01 [solar radii]

c(2) = 0.330E-01 +/- 0.722E-03 [radii/min]

c(2) = 0.382E+03 +/- 0.837E+01 [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)= 0.89526E-01 [radii] see Bevington pg. 114

error in c(2)= 0.10610E-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) = 280. +/- 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 13:34 = 0. km/sec

The TOTAL velocity at 13:34 = 382. km/sec

The TANGENTIAL velocity at 14:27 = 0. km/sec

The TOTAL velocity at 14:27 = 382. km/sec

The TANGENTIAL velocity at 14:52 = 0. km/sec

The TOTAL velocity at 14:52 = 382. km/sec

The following info is for estimating goodness of the fit

Fit is ok [ier=1]

Standard Deviation in the height = 1.32

Standard Deviation in start time measurement = 0.325E+02

Error in time = 0.18099E+01 using best fit method

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

Value of reduced Chi Squared returned from nllst2 = 0.156E-02

Reduced Chi Squared = 0.902E-02

Chi Squared = 0.902E-02

The probability for exceeding chi square = 0.968E+00

The correlation coefficient = 0.100E+01

The probability that no LINEAR correlation exists between the variables = 0.1952E-01

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

This is a 2 order run

INPUT:

year	doy	time	radii	radius	error in angle	error in angle	datatype
1988	268	13:34:15	2.90	+/- 0.15	280.0	+/- 0.5	SMM
1988	268	14:27:18	4.60	+/- 0.15	280.0	+/- 1.0	SMM
1988	268	14:52: 6	5.50	+/- 0.20	280.0	+/- 1.0	SMM

Structure being measured:

Top of Fuzzy Front

OUTPUT:

START TIME:

Event began at t = 0 + -0.417E+02 +/- 0.000E+00 [minutes]

In more convenient units:

Event began at DOY 268 12:20 +/- 0.000E+00 [minutes]

Origin defined at DOY268 13: 0

RADIAL INFORMATION:

RADIAL ACCELERATION = 0.211E-01 +/- 0.180E-06 km/sec**2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.197E+01 +/- 0.189E-05 [solar radii]
c(2) = 0.254E-01 +/- 0.650E-07 [radii/min]
c(2) = 0.295E+03 +/- 0.754E-03 [km/sec]
c(3) = 0.545E-04 +/- 0.465E-09 [radii/min**2]
c(3) = 0.211E-01 +/- 0.180E-06 [km/sec**2]

ANGULAR INFORMATION:

ANGULAR ACCELERATION= 0.0000E+00 +/- 0.0000E+00[radians/sec**2]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) = 280. +/- 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 13:34 = 0. km/sec

The TOTAL velocity at 13:34 = 338. km/sec

The TANGENTIAL velocity at 14:27 = 0. km/sec

The TOTAL velocity at 14:27 = 405. km/sec

The TANGENTIAL velocity at 14:52 = 0. km/sec

The TOTAL velocity at 14:52 = 437. 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!