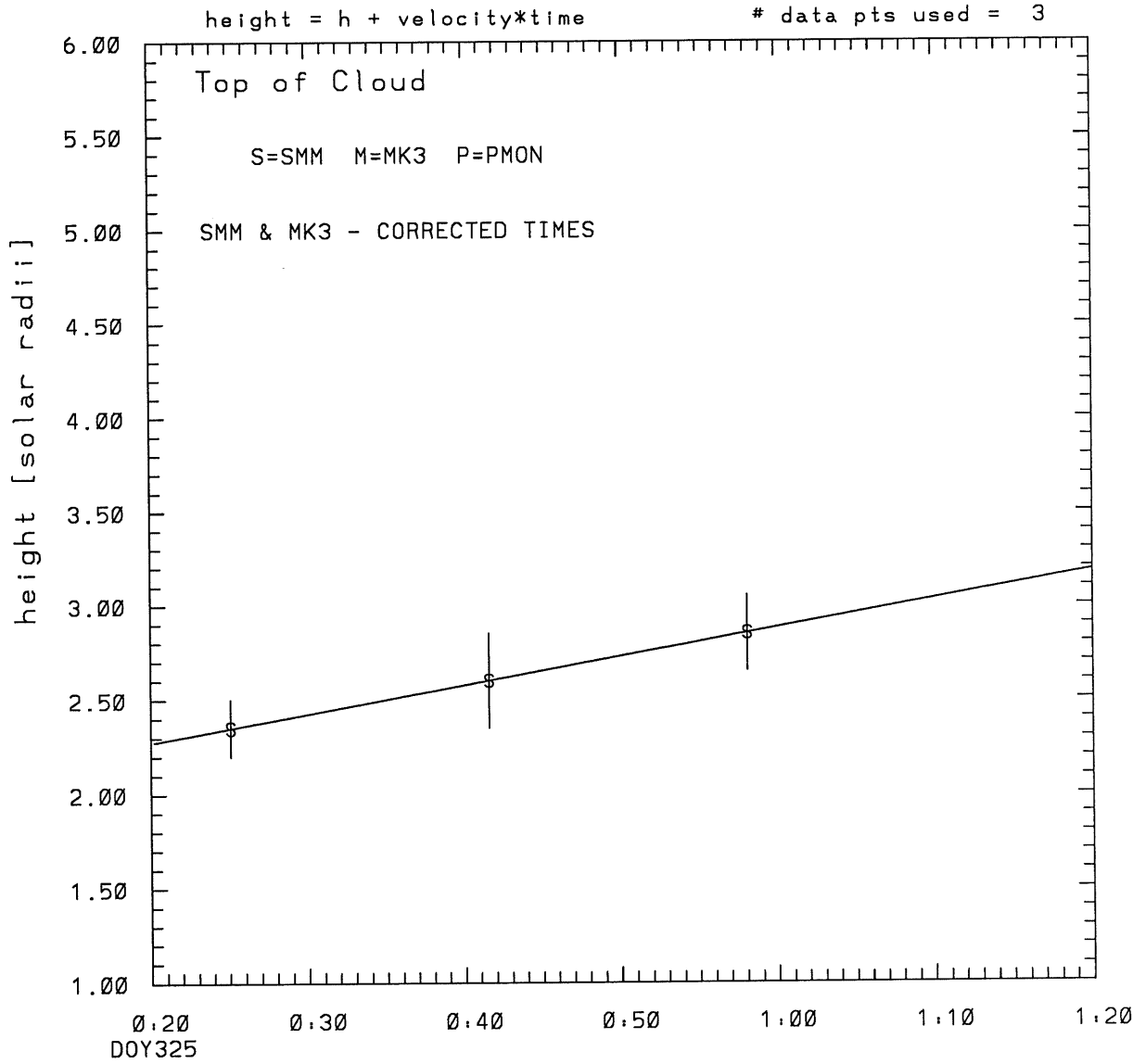
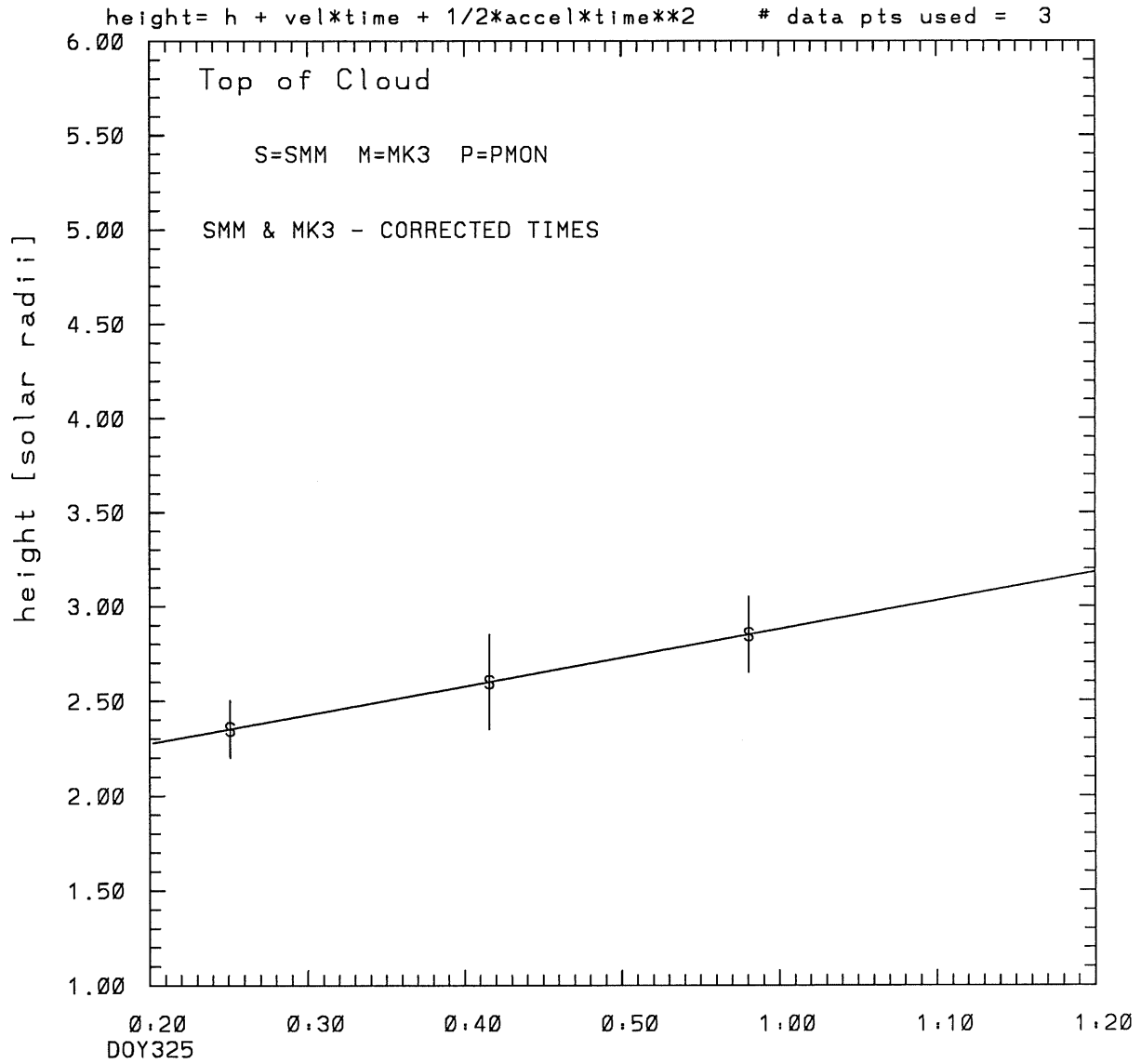


SMM C/P 1987 DOY325 110 +/- 0 degrees



tstart=DOY324 22:56 +/- 0.0 [min.]
radial velocity= 176. +/- 0. [km/sec]

SMM C/P 1987 DOY325 110 +/- 0 degrees

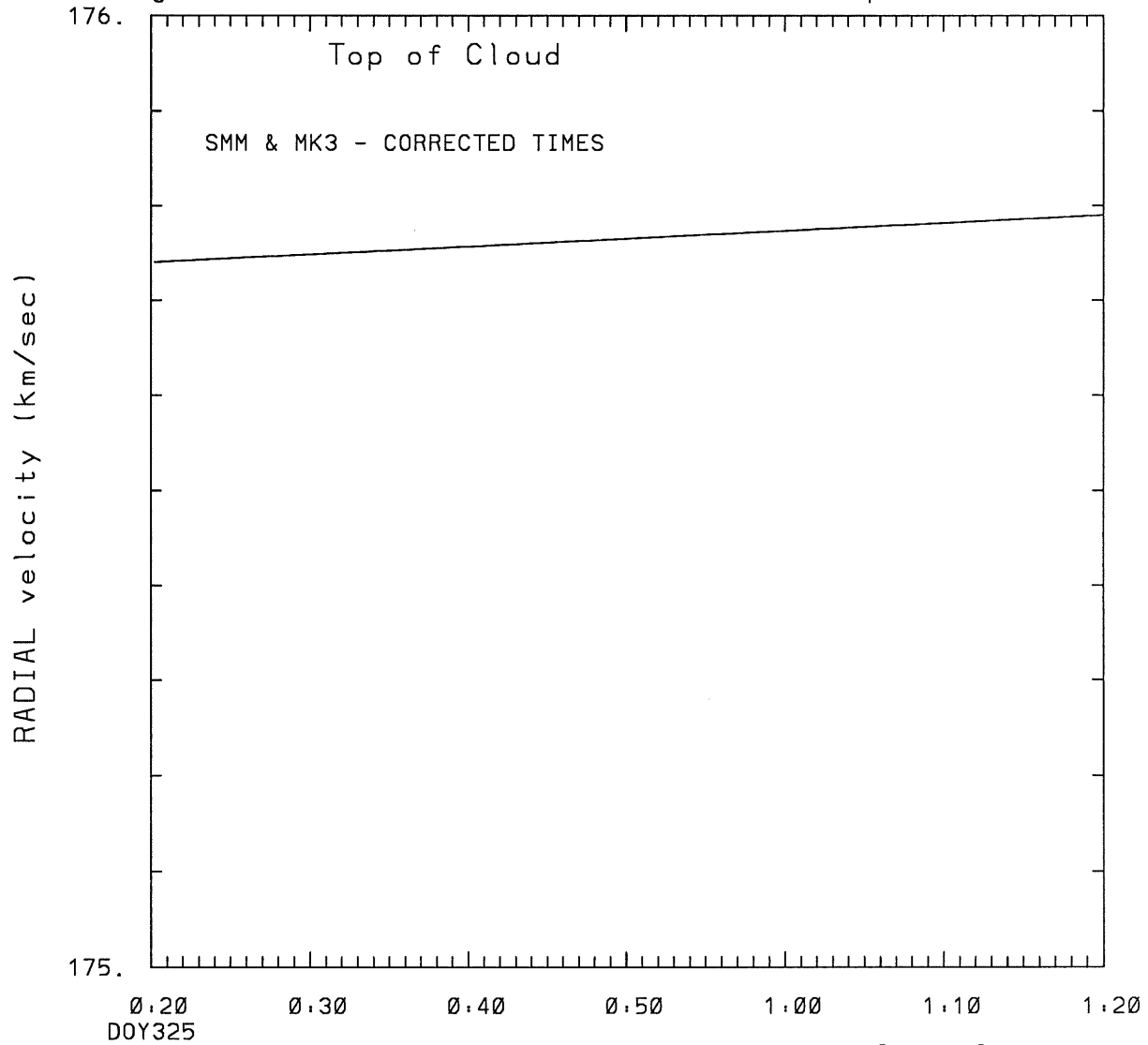


tstart=DOY324 22:56 +/- 0.0 [min.]

radial acceleration = 0.0000 +/- 0.0000 [km/sec**2]

SMM C/P 1987 DOY325 110 +/- 0 degrees

height = $h + vel*time + 1/2*accel*time**2$ # data pts used = 3



tstart = DOY324 22:56 +/- 0.0 [min.]

radial acceleration = $0.138E-04$ km/sec**2

This is a 1 order run

INPUT:

year	doy	time	radii	radius	error in angle	error in angle	datatype
1987	325	0:25: 5	2.35 +/-	0.15	110.0 +/-	0.5	SMM
1987	325	0:41:35	2.60 +/-	0.25	110.0 +/-	0.5	SMM
1987	325	0:58: 5	2.85 +/-	0.20	110.0 +/-	0.5	SMM

Structure being measured:
Top of Cloud

OUTPUT:

START TIME:

Event began at t = 0 + -0.840E+02 +/- 0.138E-03 [minutes]
In more convenient units:
Event began at DOY 324 22:56 +/- 0.138E-03 [minutes]

Origin defined at DOY325 0:20

RADIAL INFORMATION:

RADIAL VELOCITY = 176. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.227E+01 +/- 0.710E-06 [solar radii]
c(2) = 0.152E-01 +/- 0.310E-07 [radii/min]
c(2) = 0.176E+03 +/- 0.359E-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]

The computed ERRORS in coefficients [BEVINGTON] are:

error in c(1)= 0.97268E-06 [radii] see Bevington pg. 114
error in c(2)= 0.38230E-07 [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) = 110. +/- 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 0:25 = 176. km/sec

The RADIAL velocity at 0:41 = 176. km/sec

The RADIAL velocity at 0:58 = 176. km/sec

The following info is for estimating goodness of the fit

Fit is ok [ier=1]

Standard Deviation in the height = 0.25
Standard Deviation in start time measurement = 0.135E+02
Error in time = 0.61035E-04 using best fit method
See Taylor Error Analysis [Univ of Colorado] pg.78

Value of reduced Chi Squared returned from nllst2 = 0.597E-12
Reduced Chi Squared = 0.131E-11
Chi Squared = 0.131E-11
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 = 0.00001
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
1987	325	0:25: 5	2.35 +/-	0.15	110.0 +/-	0.5	SMM
1987	325	0:41:35	2.60 +/-	0.25	110.0 +/-	0.5	SMM
1987	325	0:58: 5	2.85 +/-	0.20	110.0 +/-	0.5	SMM

Structure being measured:
Top of Cloud

OUTPUT:

START TIME:

Event began at t = 0 + -0.840E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 324 22:56 +/- 0.000E+00 [minutes]

Origin defined at DOY325 0:20

RADIAL INFORMATION:

RADIAL ACCELERATION = 0.138E-04 +/- 0.136E-04 km/sec**2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.227E+01 +/- 0.996E-05 [solar radii]
c(2) = 0.152E-01 +/- 0.151E-05 [radii/min]
c(2) = 0.176E+03 +/- 0.175E-01 [km/sec]
c(3) = 0.357E-07 +/- 0.352E-07 [radii/min**2]
c(3) = 0.138E-04 +/- 0.136E-04 [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) = 110. +/- 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 0:25 = 176. km/sec

The RADIAL velocity at 0:41 = 176. km/sec

The RADIAL velocity at 0:58 = 176. 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!