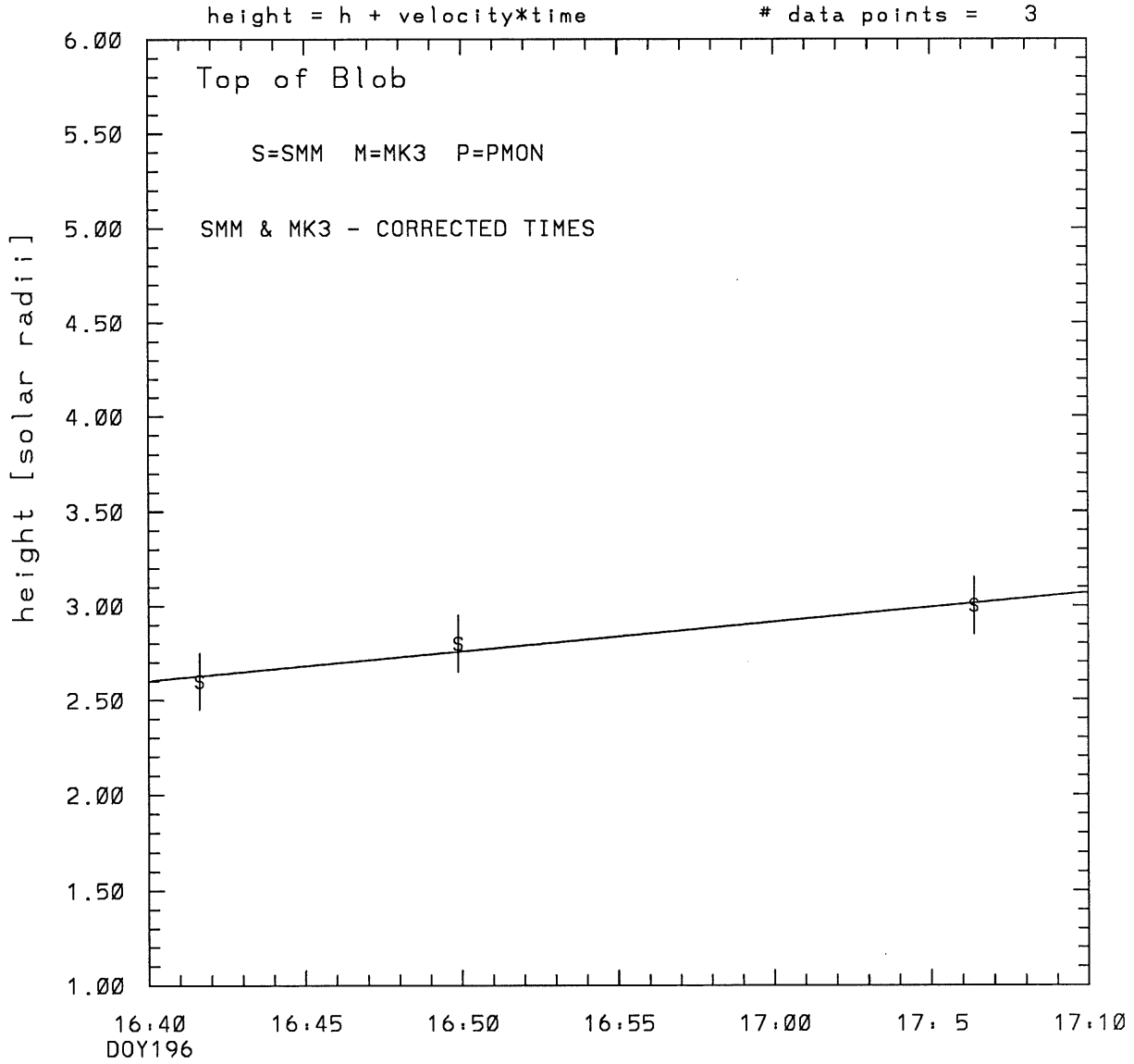
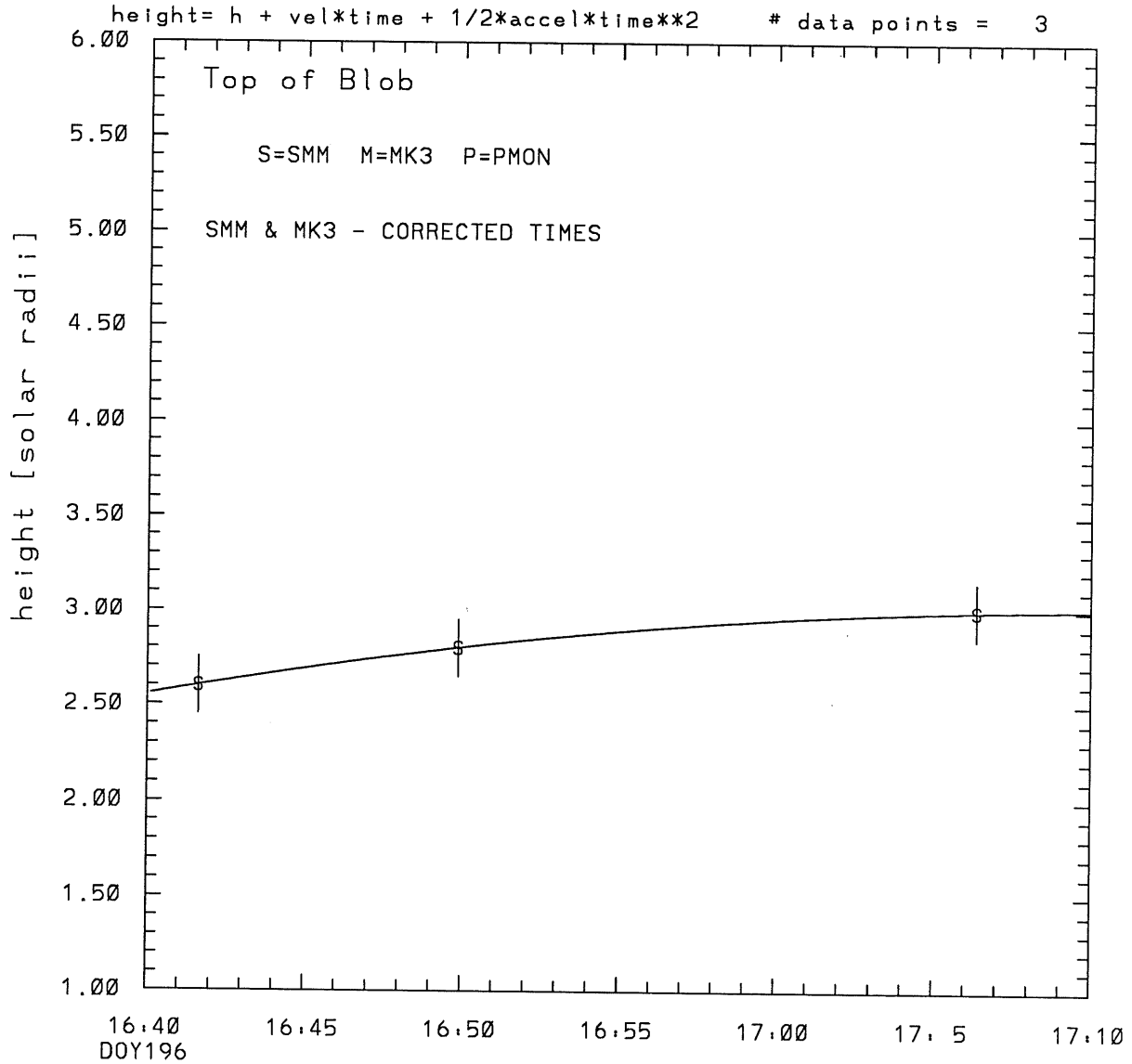


SMM C/P 1988 DOY196 263 +/- 0 degrees



tstart=DOY196 14:59 +/- 8.1 [min.]  
radial velocity= 181. +/- 25. [km/sec]

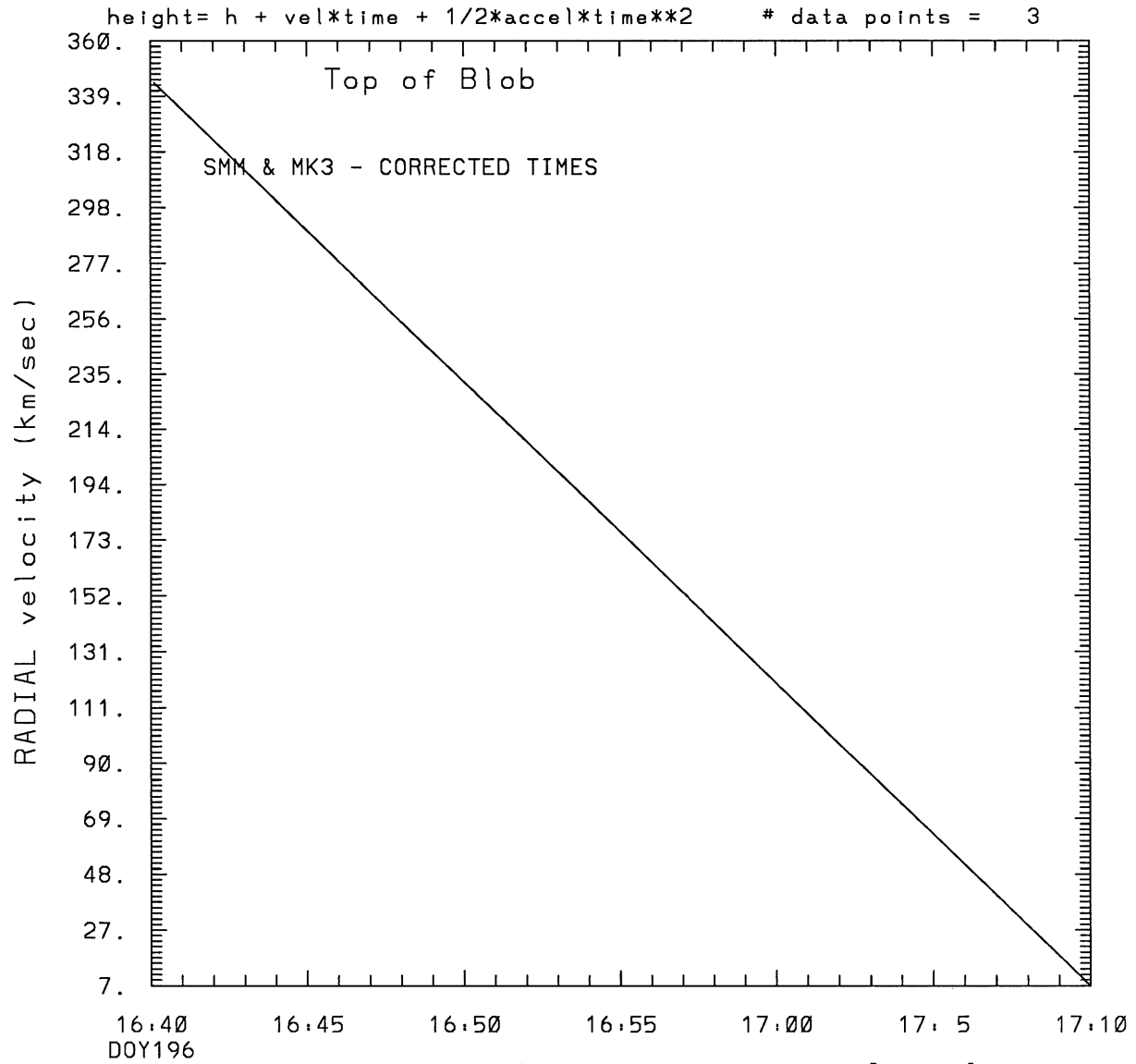
SMM C/P 1988 DOY196 263 +/- 0 degrees



tstart=DOY196 16.8 +/- 0.0 [min.]

radial acceleration = -0.1883 +/- 0.0001 [km/sec\*\*2]

SMM C/P 1988 DOY196 263 +/- 0 degrees



tstart=DOY196 16: 8 +/- 0.0 [min.]

radial acceleration=-.188E+00 km/sec\*\*2

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

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

year	doy	time	radii	radius	error in angle	error in angle	datatype
1988	196	16:41:37	2.60 +/- 0.15	263.0 +/- 0.5			SMM
1988	196	16:49:53	2.80 +/- 0.15	263.0 +/- 1.0			SMM
1988	196	17: 6:22	3.00 +/- 0.15	263.0 +/- 1.0			SMM

\*\*\*\*\*  
Structure being measured:  
Top of Blob  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.103E+03 +/- 0.812E+01 [minutes]

In more convenient units:

Event began at DOY 196 14:59 +/- 0.812E+01 [minutes]

Origin defined at DOY196 16:40

RADIAL INFORMATION:

RADIAL VELOCITY = 181. +/- 25. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.260E+01 +/- 0.344E-01 [solar radii]  
c(2) = 0.156E-01 +/- 0.211E-02 [radii/min]  
c(2) = 0.181E+03 +/- 0.245E+02 [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)= 0.48656E-01 [radii] see Bevington pg. 114

error in c(2)= 0.29880E-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) = 263. +/- 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 16:41 = 181. km/sec

The RADIAL velocity at 16:49 = 181. km/sec

The RADIAL velocity at 17: 6 = 181. km/sec

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

Fit is ok [ier=1]

Standard Deviation in the height = 0.20  
Standard Deviation in start time measurement = 0.103E+02  
Error in time = 0.34155E+01 using best fit method  
See Taylor Error Analysis [Univ of Colorado] pg.78

Value of reduced Chi Squared returned from nllst2 = 0.142E-02  
Reduced Chi Squared = 0.506E-02  
Chi Squared = 0.506E-02  
The probability for exceeding chi square = 0.970E+00

The correlation coefficient = 0.982E+00  
The probability that no LINEAR correlation exists between the variables = 0.12061  
SEE BEVINGTON "Data Reduction and Error Analysis" [1969]

\*\*\*\*\*  
This is a 2 order run  
\*\*\*\*\*

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

year	day	time	radii	radius	error in angle	error in angle	datatype
1988	196	16:41:37	2.60 +/- 0.15	263.0 +/- 0.5			SMM
1988	196	16:49:53	2.80 +/- 0.15	263.0 +/- 1.0			SMM
1988	196	17: 6:22	3.00 +/- 0.15	263.0 +/- 1.0			SMM

\*\*\*\*\*  
Structure being measured:  
Top of Blob  
\*\*\*\*\*

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

START TIME:

Event began at t = 0 + -0.336E+02 +/- 0.000E+00 [minutes]  
In more convenient units:  
Event began at DOY 196 16: 8 +/- 0.000E+00 [minutes]

Origin defined at DOY196 16:40

RADIAL INFORMATION:

RADIAL ACCELERATION = -0.188E+00 +/- 0.123E-03 km/sec\*\*2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.255E+01 +/- 0.455E-04 [solar radii]  
c(2) = 0.298E-01 +/- 0.945E-05 [radii/min]  
c(2) = 0.346E+03 +/- 0.110E+00 [km/sec]  
c(3) = -0.487E-03 +/- 0.317E-06 [radii/min\*\*2]  
c(3) = -0.188E+00 +/- 0.123E-03 [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) = 263. +/- 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 16:41 = 327. km/sec

The RADIAL velocity at 16:49 = 234. km/sec

The RADIAL velocity at 17: 6 = 48. 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!