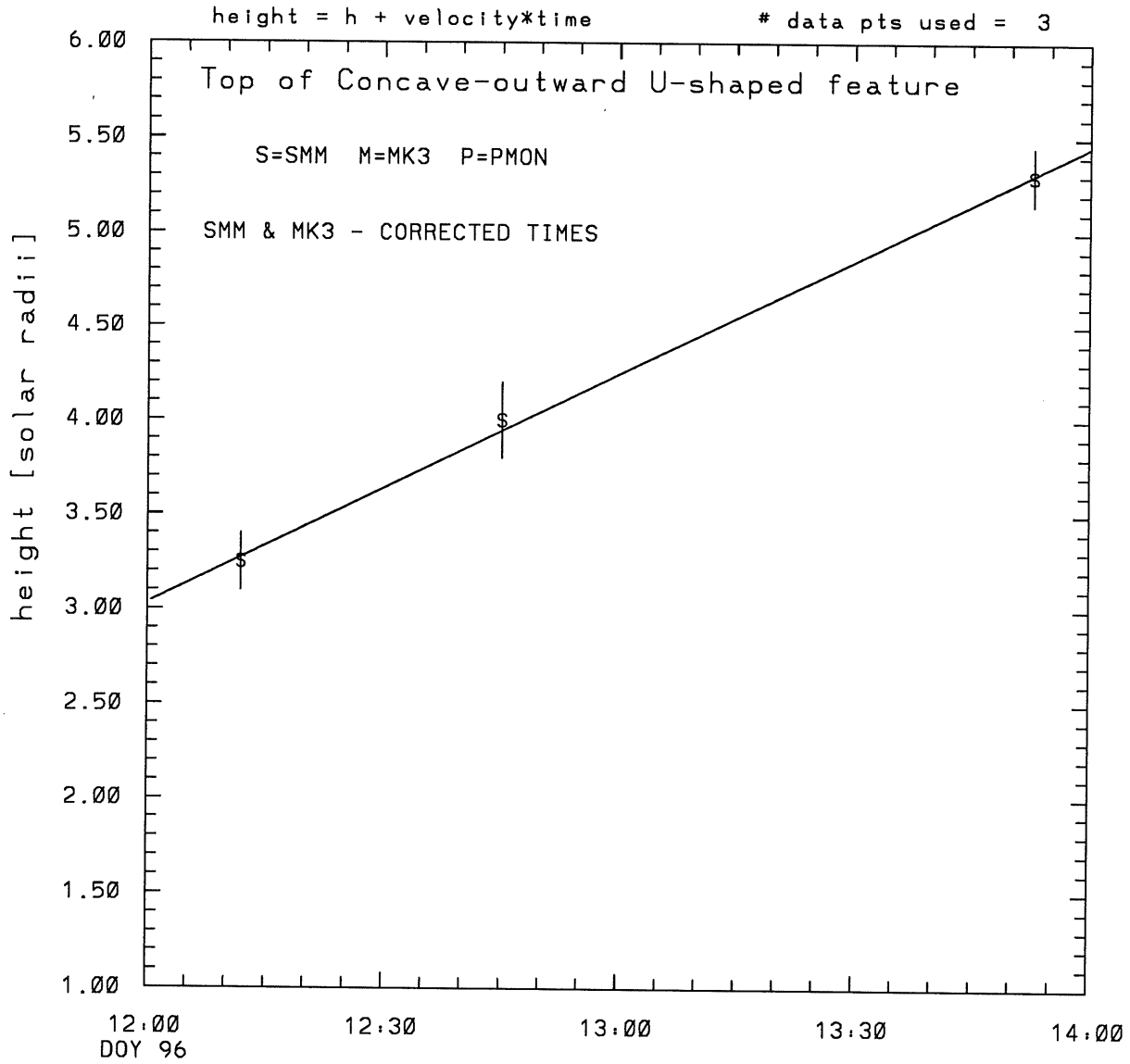
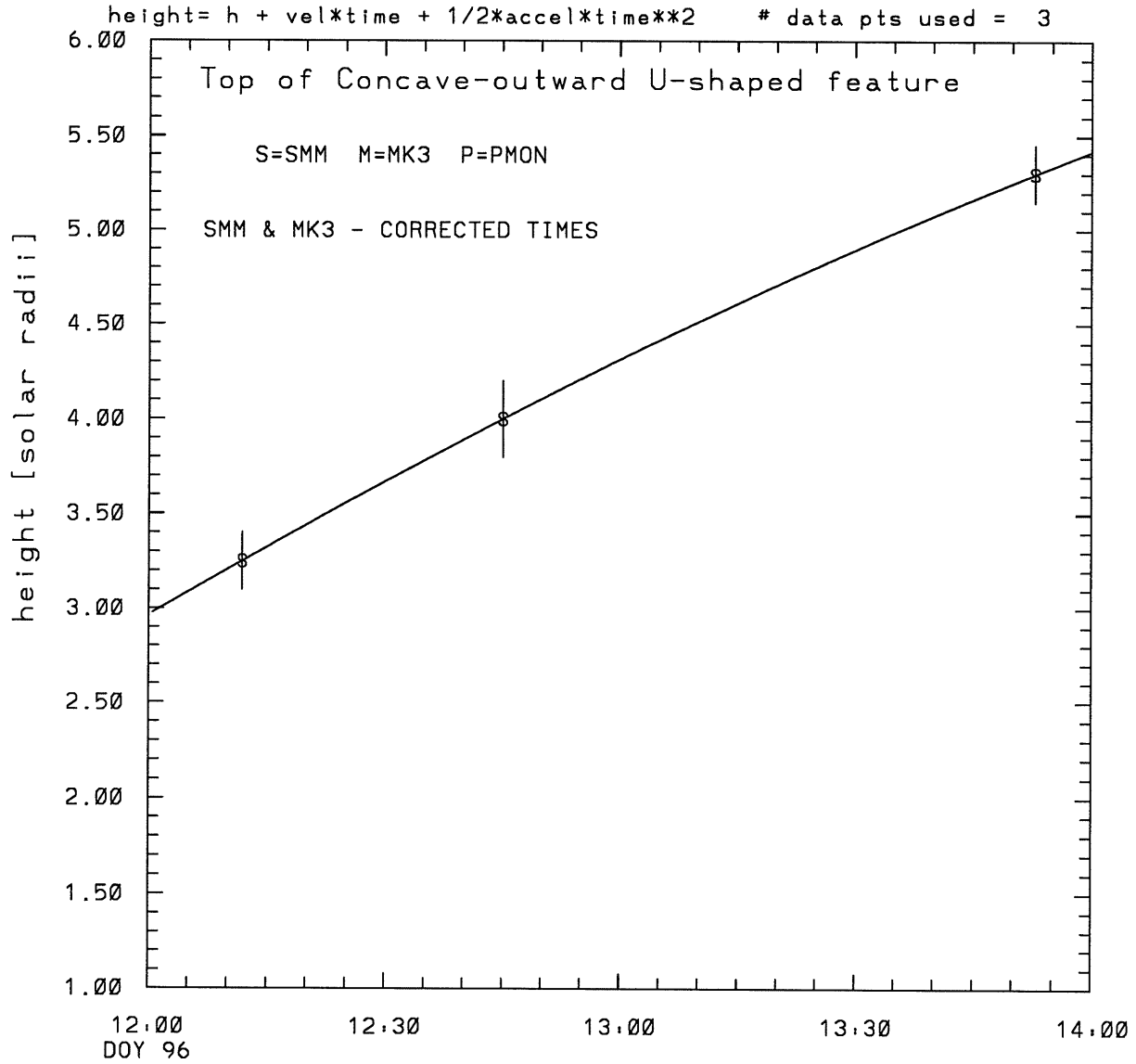


SMM C/P 1980 DOY 96 90 +/- 0 degrees



tstart=DOY 96 10:21 +/- 1.4 [min.]
radial velocity= 234. +/- 6. [km/sec]

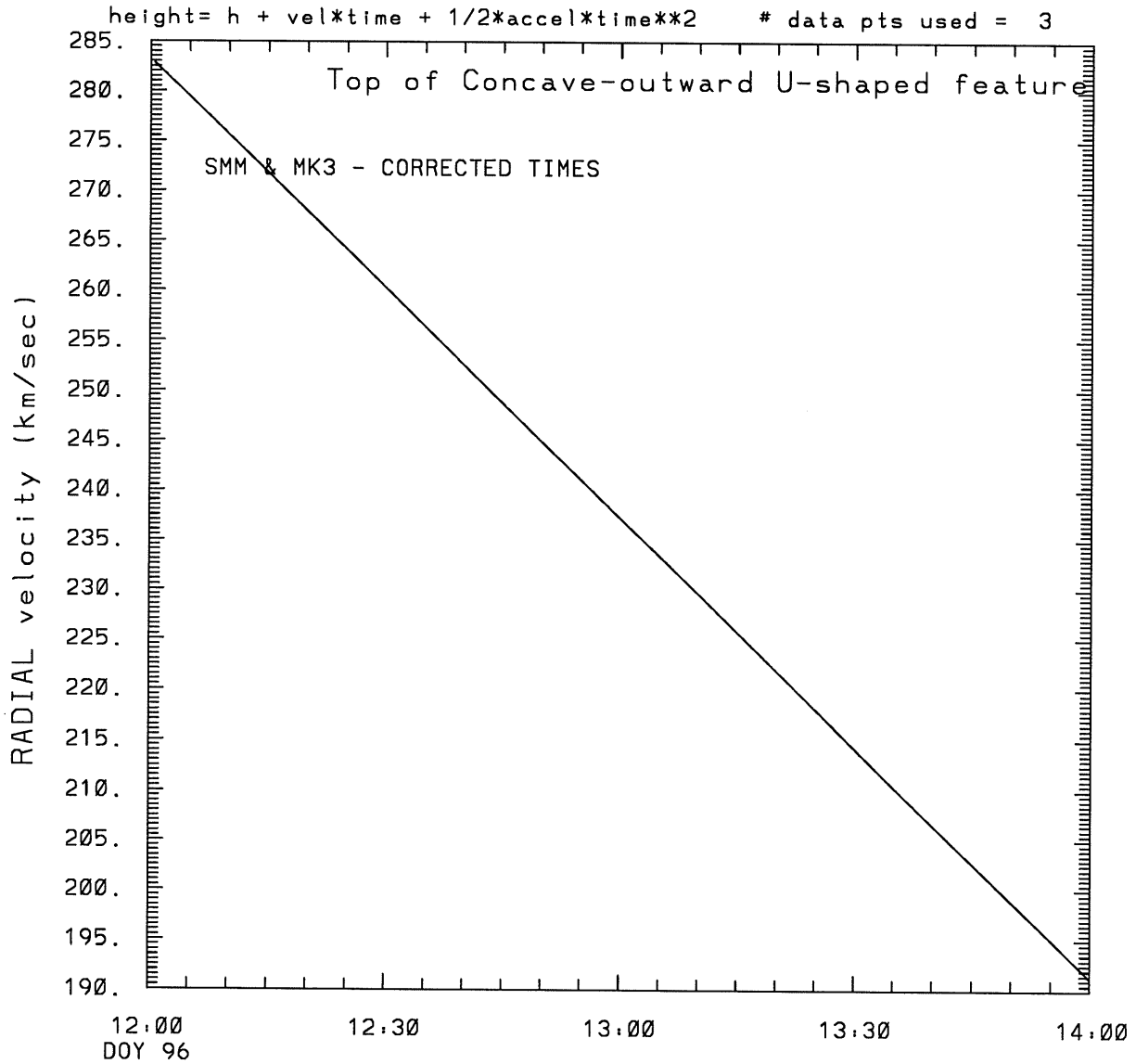
SMM C/P 1980 DOY 96 90 +/- 0 degrees



tstart=DOY 96 10:47 +/- 0.0 [min.]

radial acceleration = -0.0128 +/- 0.0000 [km/sec**2]

SMM C/P 1980 DOY 96 90 +/- 0 degrees



tstart=DOY 96 10:47 +/- 0.0 [min.]

radial acceleration = $-.128E-01$ km/sec**2

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1980	96	12:11:51	3.25 +/- 0.15	90.0 +/- 1.0	1.0	SMM	
1980	96	12:45: 8	4.00 +/- 0.20	90.0 +/- 1.0	1.0	SMM	
1980	96	13:52:51	5.30 +/- 0.15	90.0 +/- 1.0	1.0	SMM	

Structure being measured:
Top of Concave-outward U-shaped feature

OUTPUT:

START TIME:

Event began at t = 0 + -0.101E+03 +/- 0.139E+01 [minutes]
In more convenient units:
Event began at DOY 96 10:21 +/- 0.139E+01 [minutes]
Origin defined at DOY 96 12: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 234. +/- 6. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.303E+01 +/- 0.352E-01 [solar radii]
c(2) = 0.202E-01 +/- 0.476E-03 [radii/min]
c(2) = 0.234E+03 +/- 0.552E+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)= 0.59531E-01 [radii] see Bevington pg. 114
error in c(2)= 0.84436E-03 [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) = 90. +/- 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 12:11 = 234. km/sec

The RADIAL velocity at 12:45 = 234. km/sec

The RADIAL velocity at 13:52 = 234. km/sec

The following info is for estimating goodness of the fit

Fit is ok [ier=1]

Standard Deviation in the height = 1.04
Standard Deviation in start time measurement = 0.420E+02
Error in time = 0.30441E+01 using best fit method
See Taylor Error Analysis [Univ of Colorado] pg.78

Value of reduced Chi Squared returned from nllst2 = 0.139E-02
Reduced Chi Squared = 0.721E-02
Chi Squared = 0.721E-02
The probability for exceeding chi square = 0.970E+00

The correlation coefficient = 0.999E+00
The probability that no LINEAR correlation exists between the variables = 0.2591]
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
1980	96	12:11:51	3.25 +/-	0.15	90.0 +/-	1.0	SMM
1980	96	12:45: 8	4.00 +/-	0.20	90.0 +/-	1.0	SMM
1980	96	13:52:51	5.30 +/-	0.15	90.0 +/-	1.0	SMM

Structure being measured:
Top of Concave-outward U-shaped feature

OUTPUT:

START TIME:

Event began at t = 0 + -0.732E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 96 10:47 +/- 0.000E+00 [minutes]

Origin defined at DOY 96 12: 0

RADIAL INFORMATION:

RADIAL ACCELERATION = -0.128E-01 +/- 0.258E-06 km/sec**2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.297E+01 +/- 0.169E-05 [solar radii]
c(2) = 0.244E-01 +/- 0.866E-07 [radii/min]
c(2) = 0.283E+03 +/- 0.100E-02 [km/sec]
c(3) = -0.330E-04 +/- 0.668E-09 [radii/min**2]
c(3) = -0.128E-01 +/- 0.258E-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) = 90. +/- 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 12:11 = 274. km/sec

The RADIAL velocity at 12:45 = 249. km/sec

The RADIAL velocity at 13:52 = 197. 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!