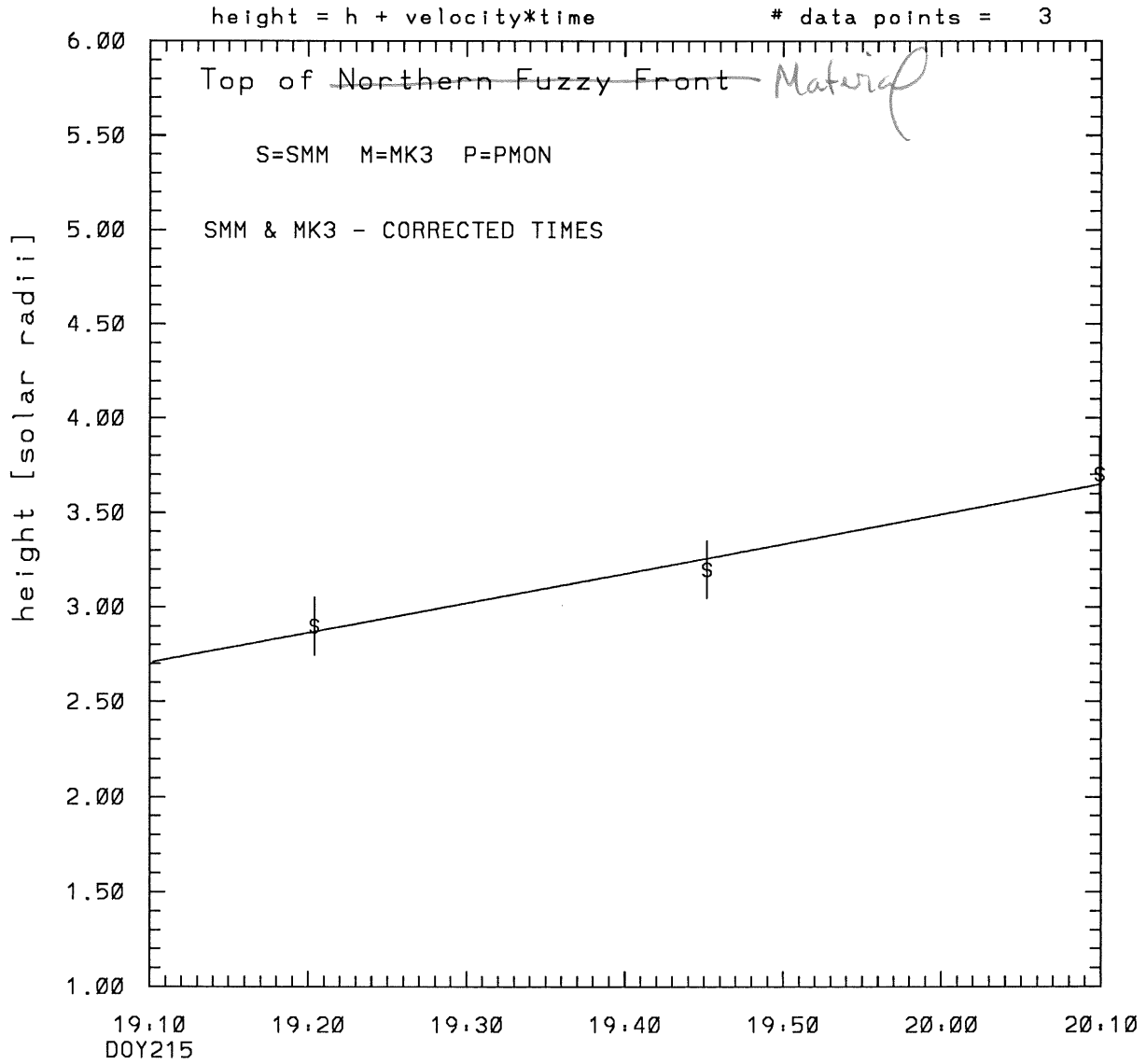
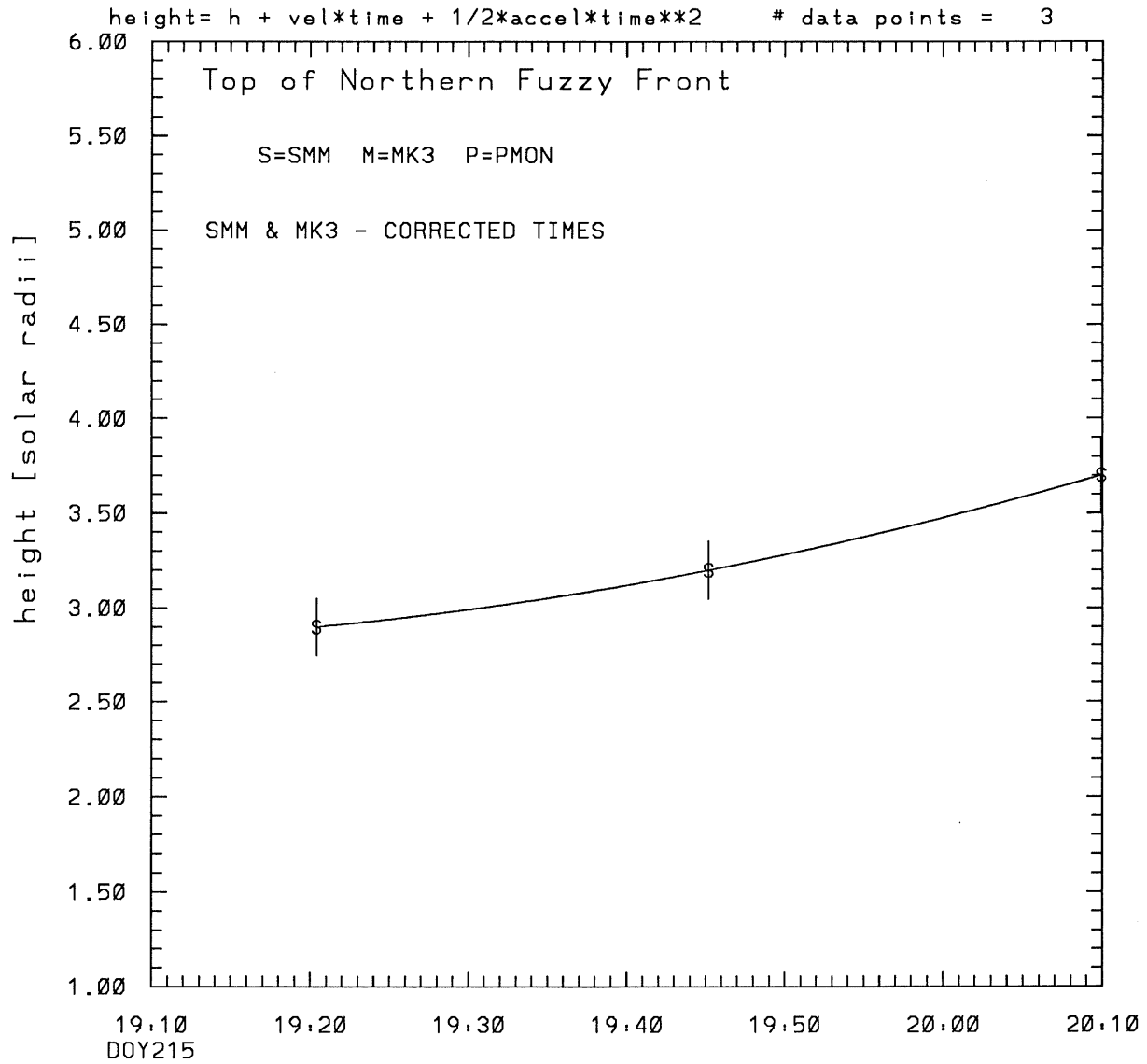


SMM C/P 1988 DOY215 277 +/- 0 degrees



tstart=DOY215 17:23 +/- 8.4 [min.]
radial velocity= 182. +/- 21. [km/sec]

SMM C/P 1988 DOY215 277 +/- 0 degrees

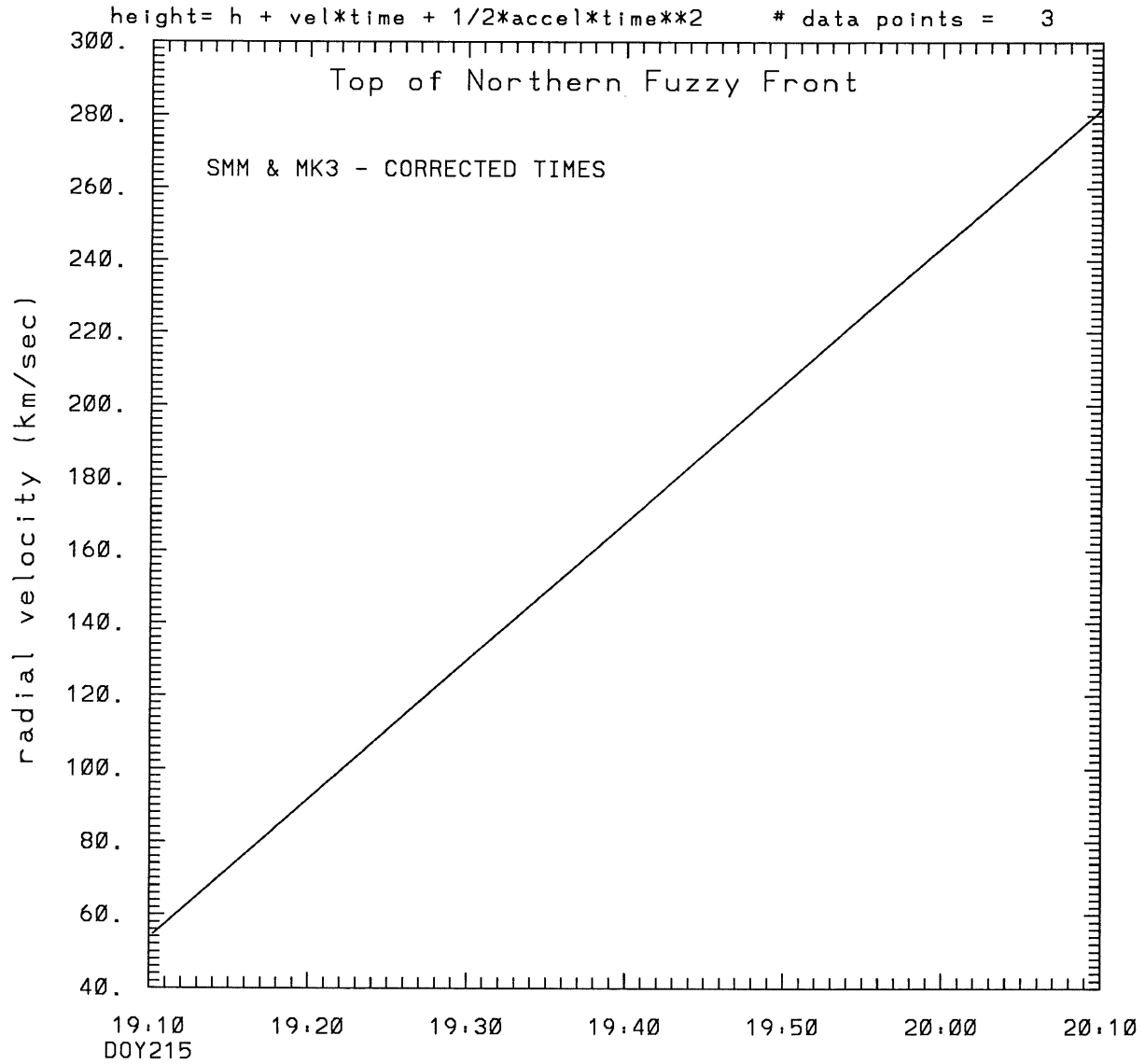


tstart=DOY215 18:56 from derivative=0

Event begins at 2.80 Solar Radii

radial acceleration = 0.0634 ± 0.0000 [km/sec**2]

SMM C/P 1988 DOY215 277 +/- 0 degrees



tstart=DOY215 18:56 from derivative=0
Event begins at 2.80 Solar Radii
radial acceleration=0.634E-01 km/sec**2

This is a 1 order run

INPUT:

year	doy	time	radii	error in radius	angle	error in angle	datatype
1988	215	19:20:23	2.90	+/- 0.15	277.0	+/- 0.5	SMM
1988	215	19:45:11	3.20	+/- 0.15	277.0	+/- 1.0	SMM
1988	215	20: 9:55	3.70	+/- 0.20	277.0	+/- 1.0	SMM

Structure being measured:
Top of Northern Fuzzy Front *cloud?*

OUTPUT:

START TIME:

Event began at $t = 0 + -0.109E+03 +/- 0.838E+01$ [minutes]

In more convenient units:

Event began at DOY 215 17:23 +/- 0.838E+01 [minutes]

Origin defined at DOY215 19:10

RADIAL INFORMATION:

RADIAL VELOCITY = 182. +/- 21. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.271E+01 +/- 0.655E-01 [solar radii]
c(2) = 0.157E-01 +/- 0.181E-02 [radii/min]
c(2) = 0.182E+03 +/- 0.210E+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)= 0.98149E-01 [radii] see Bevington pg. 114

error in c(2)= 0.24198E-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) = 277. +/- 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 19:20 = 0. km/sec

The TOTAL velocity at 19:20 = 182. km/sec

The TANGENTIAL velocity at 19:45 = 0. km/sec

The TOTAL velocity at 19:45 = 182. km/sec

The TANGENTIAL velocity at 20: 9 = 0. km/sec

The TOTAL velocity at 20: 9 = 182. km/sec

The following info is for estimating goodness of the fit

Fit is ok [ier=1]

Standard Deviation in the height = 0.40

Standard Deviation in start time measurement = 0.202E+02

Error in time = 0.54042E+01 using best fit method

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

Value of reduced Chi Squared returned from nllst2 = 0.349E-02

Reduced Chi Squared = 0.163E-01

Chi Squared = 0.163E-01

The probability for exceeding chi square = 0.953E+00

The correlation coefficient = 0.990E+00

The probability that no LINEAR correlation exists between the variables = 0.9178E-01

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

This is a 2 order run

INPUT:

year	day	time	radii	error in radius	angle	error in angle	datatype
1988	215	19:20:23	2.90	+/- 0.15	277.0	+/- 0.5	SMM
1988	215	19:45:11	3.20	+/- 0.15	277.0	+/- 1.0	SMM
1988	215	20: 9:55	3.70	+/- 0.20	277.0	+/- 1.0	SMM

Structure being measured:

Top of Northern Fuzzy Front

OUTPUT:

START TIME:

tstart=DOY215 18:56 from derivative = 0

Event begins at 2.80 Solar Radii

Origin defined at DOY215 19:10

RADIAL INFORMATION:

RADIAL ACCELERATION = 0.634E-01 +/- 0.181E-06 km/sec**2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.283E+01 +/- 0.448E-06 [solar radii]
c(2) = 0.463E-02 +/- 0.324E-07 [radii/min]
c(2) = 0.537E+02 +/- 0.376E-03 [km/sec]
c(3) = 0.164E-03 +/- 0.468E-09 [radii/min**2]
c(3) = 0.634E-01 +/- 0.181E-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) = 277. +/- 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 19:20 = 0. km/sec

The TOTAL velocity at 19:20 = 93. km/sec

The TANGENTIAL velocity at 19:45 = 0. km/sec

The TOTAL velocity at 19:45 = 187. km/sec

The TANGENTIAL velocity at 20: 9 = 0. km/sec

The TOTAL velocity at 20: 9 = 282. 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!