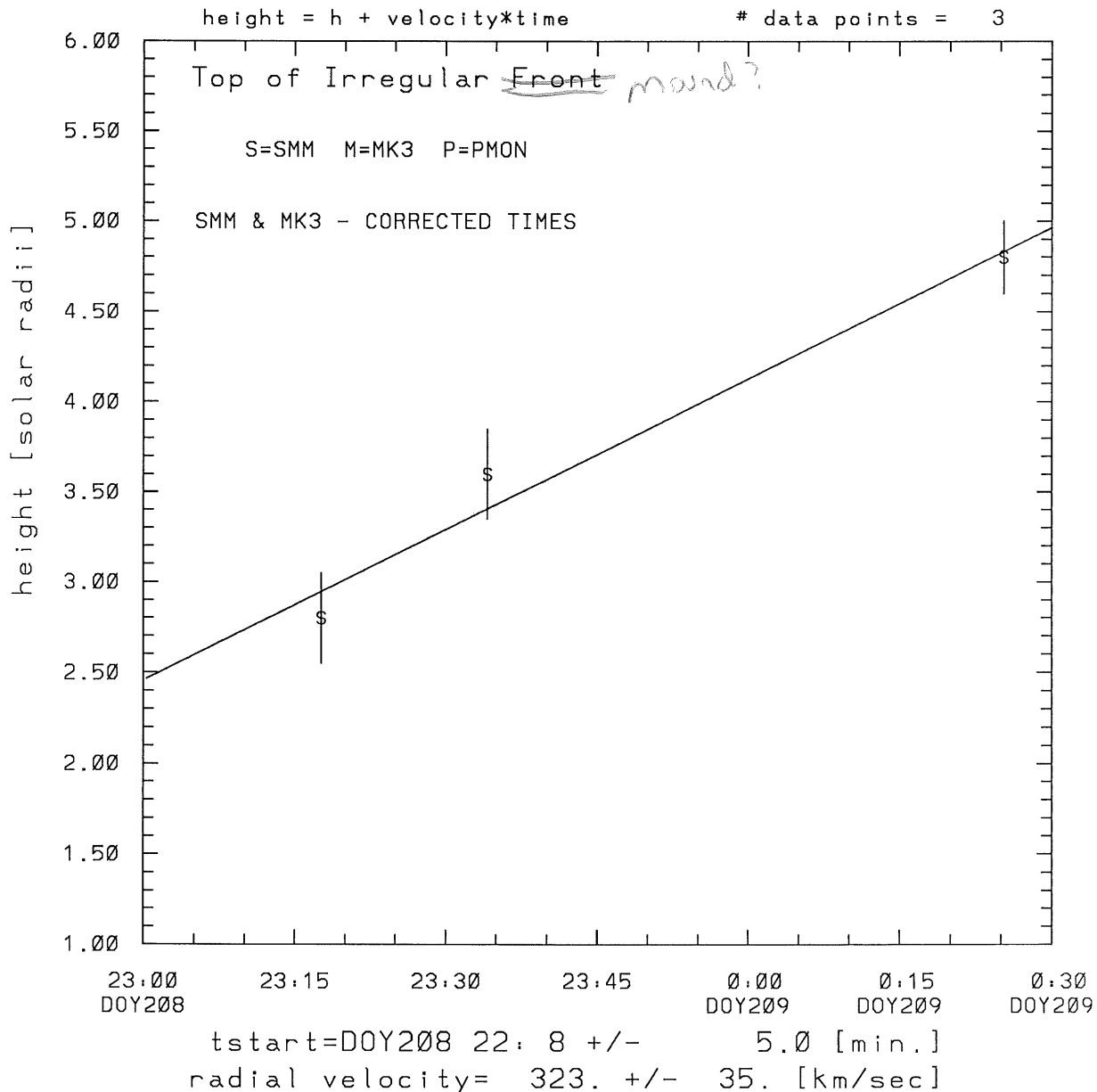
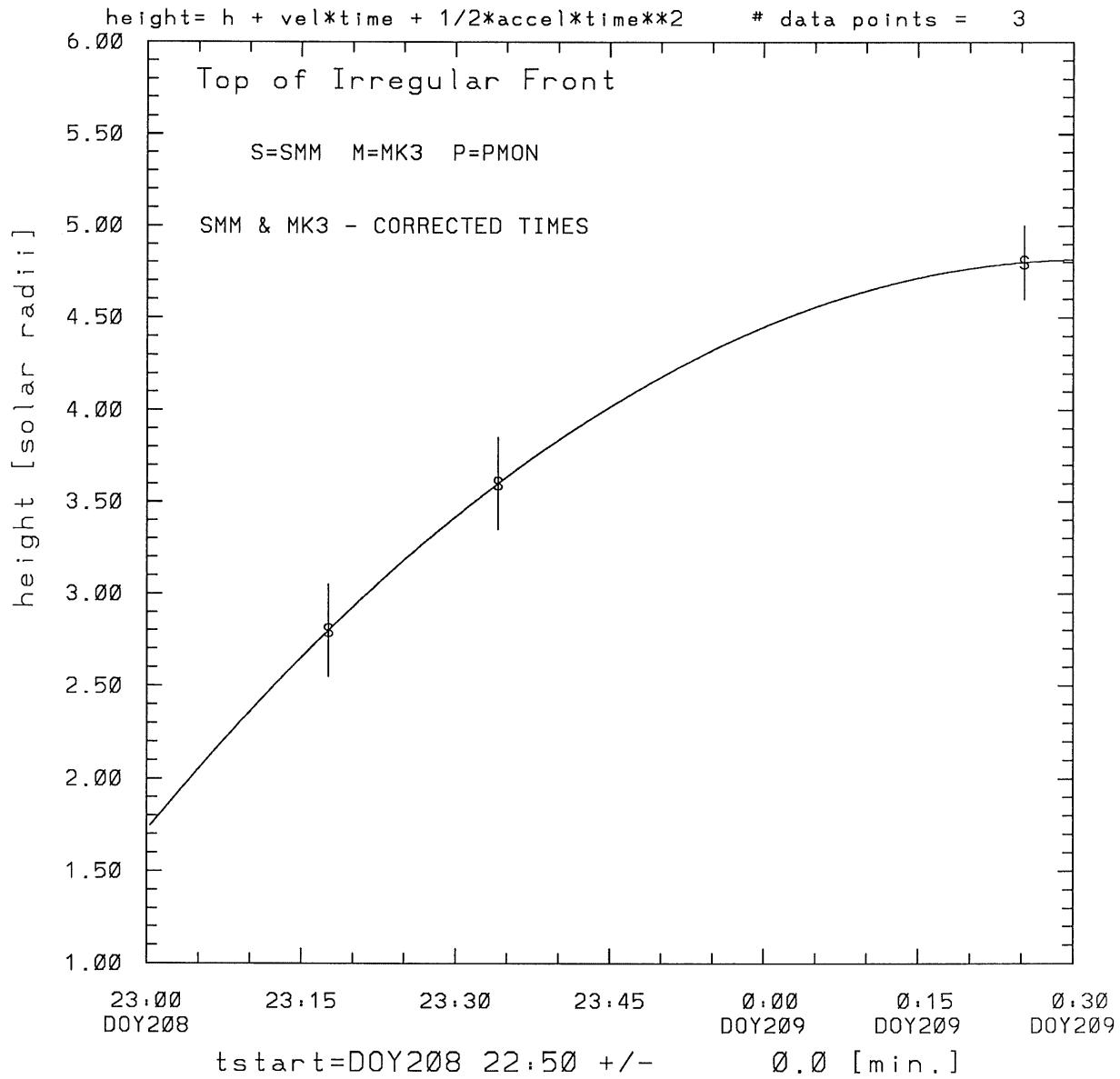


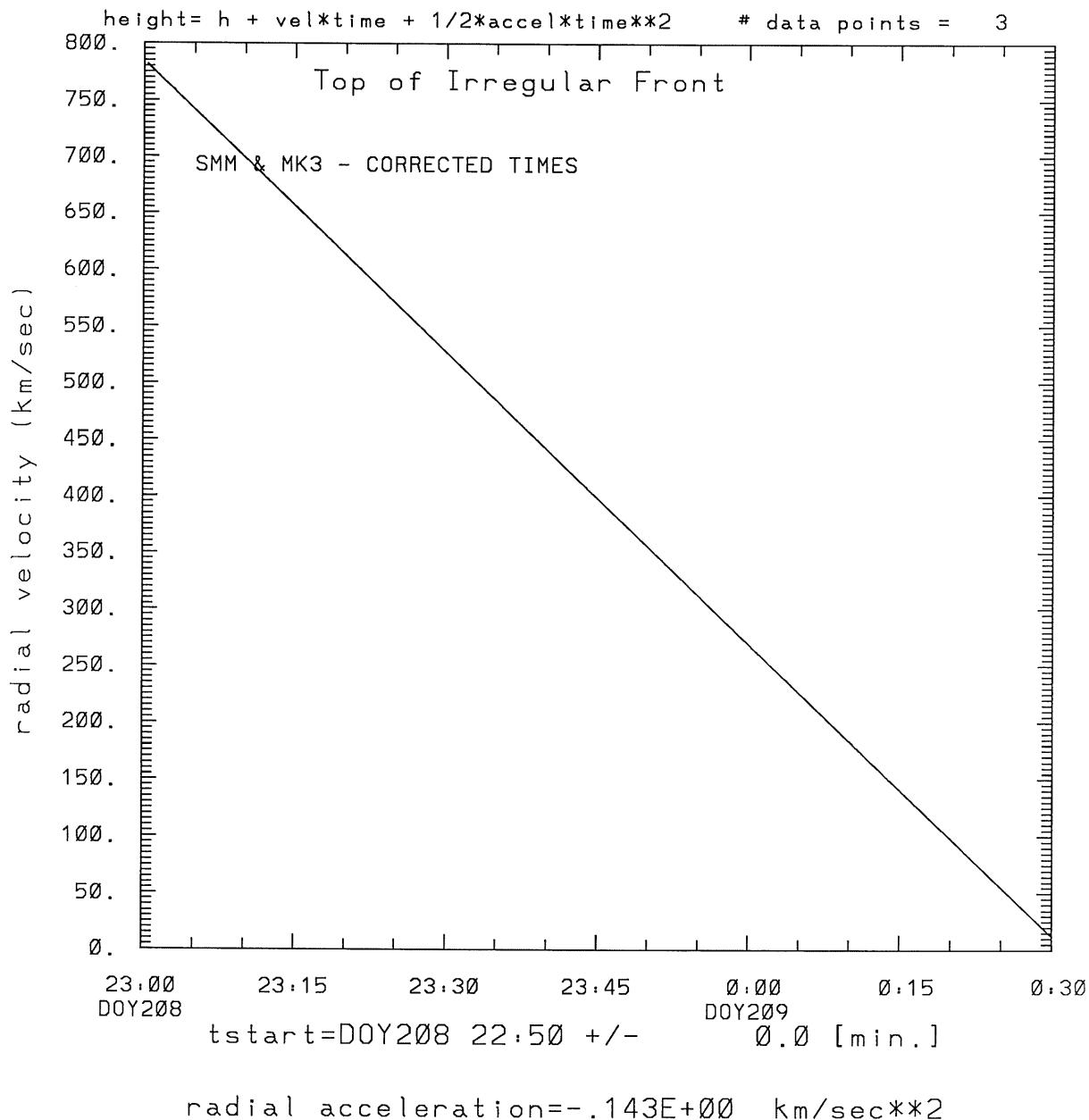
SMM C/P 1989 DOY208 300 +/- 0 degrees



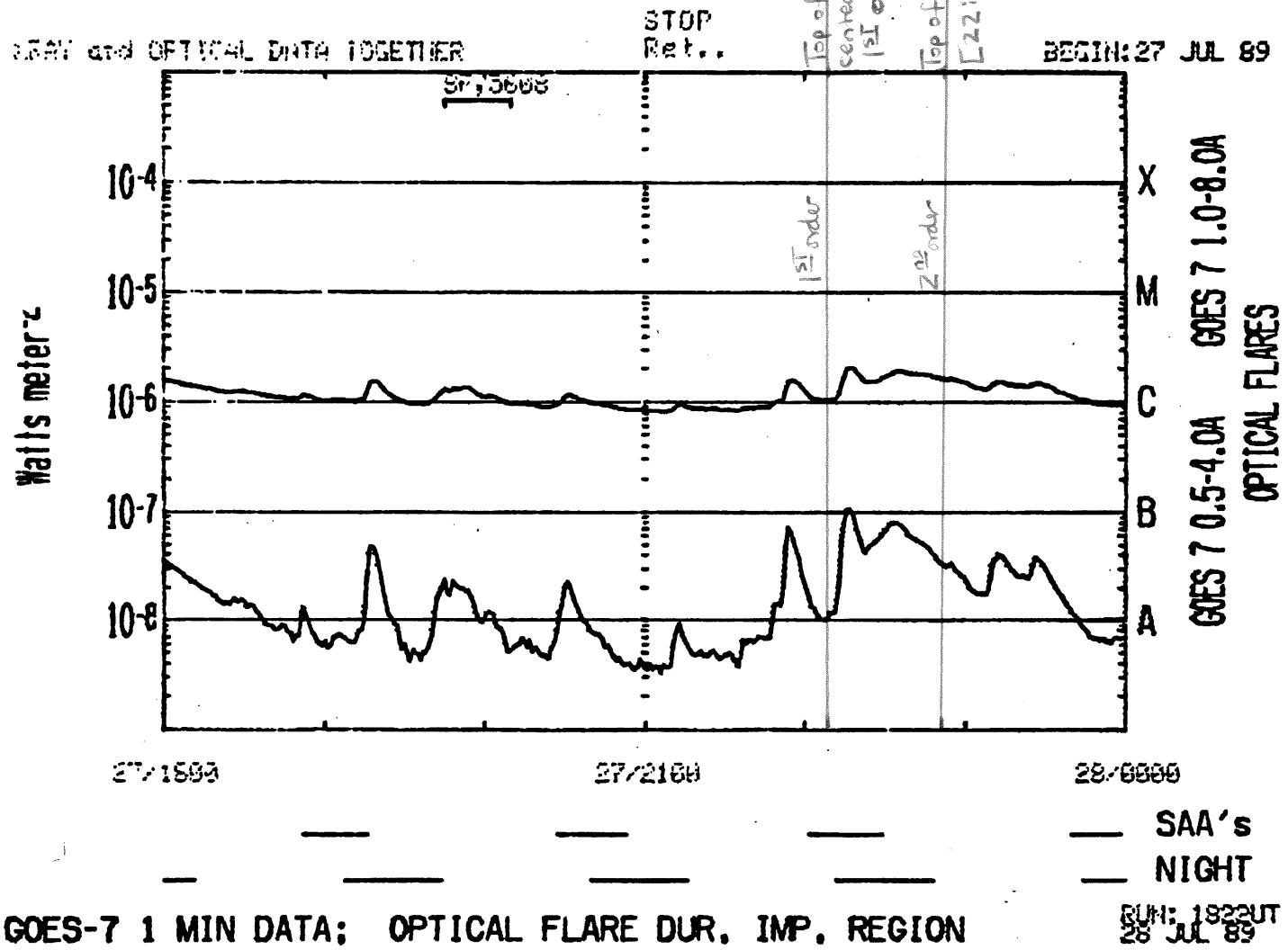
SMM C/P 1989 DOY208 300 +/- 0 degrees



SMM C/P 1989 DOY208 300 +/- 0 degrees



1989 Day 208



\*\*\*\*\*

This is a 1 order run

\*\*\*\*\*

\*\*\*\*\*

INPUT:

\*\*\*\*\*

year	doy	time	radii	radius	error in	angle	error in	datatype
1989	208	23:17:38	2.80	+/- 0.25	300.0	+/- 0.5	SMM	
1989	208	23:34: 8	3.60	+/- 0.25	300.0	+/- 1.0	SMM	
1989	209	0:25:15	4.80	+/- 0.20	300.0	+/- 1.0	SMM	

\*\*\*\*\*

Structure being measured:

Top of Irregular Front - Mound?

\*\*\*\*\*

OUTPUT:

\*\*\*\*\*

START TIME:

Event began at t = 0 + -0.522E+02 +/- 0.500E+01 [minutes]

In more convenient units:

Event began at DOY 208 22: 8 +/- 0.500E+01 [minutes]

Origin defined at DOY208 23: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 323. +/- 35. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.246E+01 +/- 0.184E+00 [solar radii]

c(2) = 0.279E-01 +/- 0.306E-02 [radii/min]

c(2) = 0.323E+03 +/- 0.355E+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)= 0.26511E+00 [radii] see Bevington pg. 114

error in c(2)= 0.49107E-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) = 300. +/- 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 23:17 = 0. km/sec

The TOTAL velocity at 23:17 = 323. km/sec

The TANGENTIAL velocity at 23:34 = 0. km/sec

The TOTAL velocity at 23:34 = 323. km/sec

The TANGENTIAL velocity at 0:25 = 0. km/sec

The TOTAL velocity at 0:25 = 323. km/sec

\*\*\*\*\*

The following info is for estimating goodness of the fit

\*\*\*\*\*

Fit is ok [ier=1]

Standard Deviation in the height = 1.01

Standard Deviation in start time measurement = 0.288E+02

Error in time = 0.87882E+01 using best fit method

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

Value of reduced Chi Squared returned from nllst2 = 0.255E-01

Reduced Chi Squared = 0.993E-01

Chi Squared = 0.993E-01

The probability for exceeding chi square = 0.873E+00

The correlation coefficient = 0.985E+00

The probability that no LINEAR correlation exists between the variables = 0.1098E+00

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
1989	208	23:17:38	2.80	+/- 0.25	300.0	+/- 0.5	SMM
1989	208	23:34: 8	3.60	+/- 0.25	300.0	+/- 1.0	SMM
1989	209	0:25:15	4.80	+/- 0.20	300.0	+/- 1.0	SMM

\*\*\*\*\*

Structure being measured:

Top of Irregular Front

\*\*\*\*\*

\*\*\*\*\*

OUTPUT:

\*\*\*\*\*

START TIME:

Event began at t = 0 + -0.101E+02 +/- 0.000E+00 [minutes]

In more convenient units:

Event began at DOY 208 22:50 +/- 0.000E+00 [minutes]

Origin defined at DOY208 23: 0

RADIAL INFORMATION:

RADIAL ACCELERATION = -0.143E+00 +/- 0.338E-06 km/sec\*\*2

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.172E+01 +/- 0.184E-05 [solar radii]  
c(2) = 0.676E-01 +/- 0.945E-07 [radii/min]  
c(2) = 0.785E+03 +/- 0.110E-02 [km/sec]  
c(3) = -0.370E-03 +/- 0.874E-09 [radii/min\*\*2]  
c(3) = -0.143E+00 +/- 0.338E-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) = 300. +/- 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 23:17 = 0. km/sec  
The TOTAL velocity at 23:17 = 633. km/sec

The TANGENTIAL velocity at 23:34 = 0. km/sec  
The TOTAL velocity at 23:34 = 492. km/sec

The TANGENTIAL velocity at 0:25 = 0. km/sec  
The TOTAL velocity at 0:25 = 53. 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!