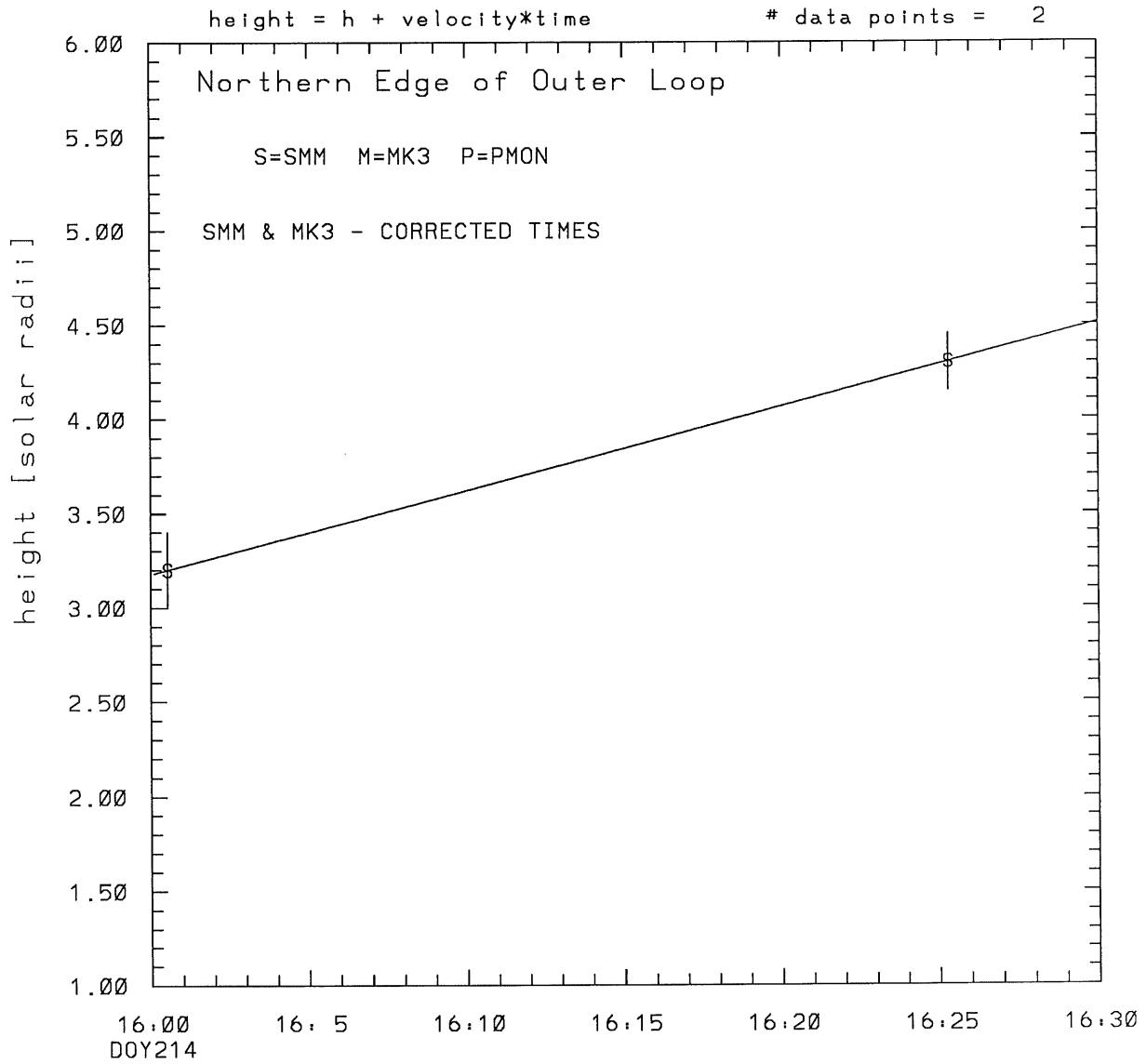


SMM C/P 1989 DOY214 88 +/- 0 degrees



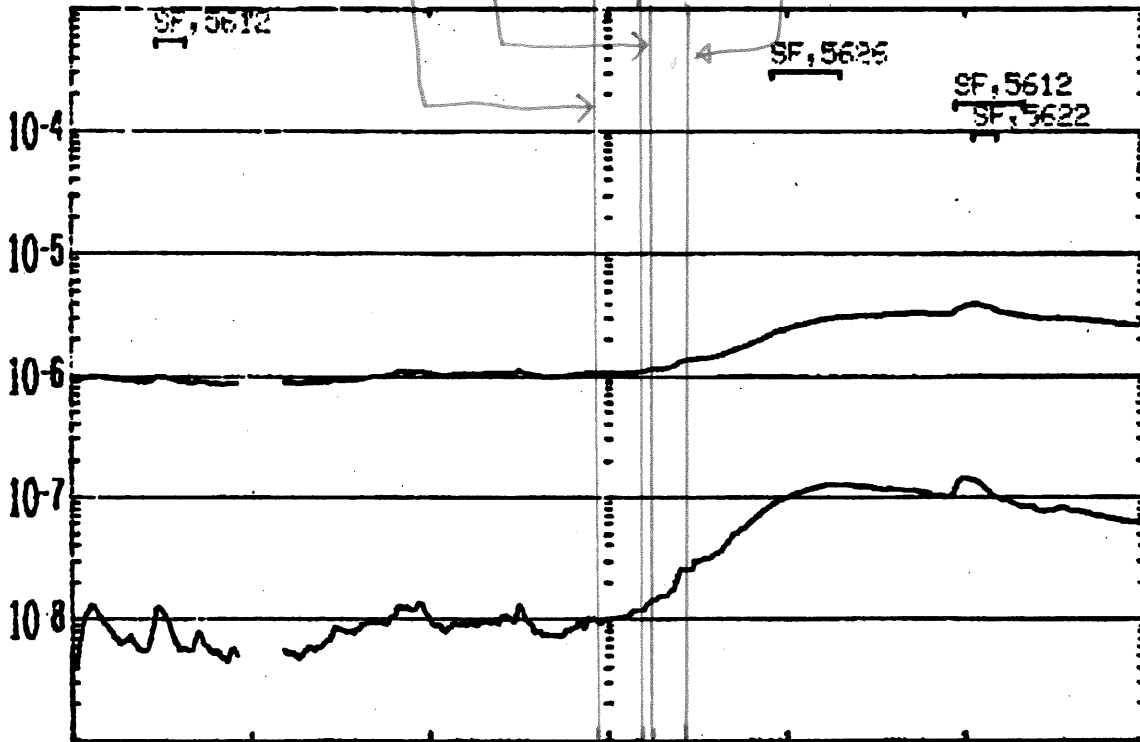
tstart=DOY214 15:11 +/- 0.0 [min.]
radial velocity= 515. +/- 0. [km/sec]

1989 Day 214

and OPTICAL DATA TOGETHER

BEGIN: 02 AUG 89

Flatts meter



02/1200

02/1520

02/1800

X
 M
 C
 B
 A
 GOES 7 0.5-4.0A GOES 7 1.0-8.0A
 OPTICAL FLARES

SAA's NIGHT

GOES-7 1 MIN DATA: OPTICAL FLARE DUR, IMP, REGION

RUH: 1933UT
4 AUG 89

This is a 1 order run

INPUT:

year	doy	time	radii	radius	error in angle	error in angle	datatype
1989	214	16: 0:32	3.20	+/- 0.20	88.0 +/-	1.0	SMM
1989	214	16:25:18	4.30	+/- 0.15	88.0 +/-	1.0	SMM

Structure being measured:
Northern Edge of Outer Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.490E+02 \pm 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 214 15:11 $\pm 0.000E+00$ [minutes]

Origin defined at DOY214 16: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 515. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.318E+01 \pm 0.574E-06$ [solar radii]
 $c(2) = 0.444E-01 \pm 0.284E-07$ [radii/min]
 $c(2) = 0.515E+03 \pm 0.329E-03$ [km/sec]
 $c(3) = 0.000E+00 \pm 0.000E+00$ [radii/min**2]
 $c(3) = 0.000E+00 \pm 0.000E+00$ [km/sec**2]

ANGULAR INFORMATION:

ANGULAR VELOCITY = $0.0000E+00 \pm 0.0000E+00$ [radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

$a(1) = 88. \pm 0.$ [degrees]
 $a(2) = 0.000E+00 \pm 0.000E+00$ [degrees/min]
 $a(2) = 0.000E+00 \pm 0.000E+00$ [rad/sec]
 $a(3) = 0.000E+00 \pm 0.000E+00$ [degrees/min**2]
 $a(3) = 0.000E+00 \pm 0.000E+00$ [rad/sec**2]

THE TANGENTIAL AND TOTAL VELOCITIES AT EACH DATA POINT ARE:

The TANGENTIAL velocity at 16: 0 = 0. km/sec

The TOTAL velocity at 16: 0 = 515. km/sec

The TANGENTIAL velocity at 16:25 = 0. km/sec

The TOTAL velocity at 16:25 = 515. km/sec

The following info is for estimating goodness of the fit

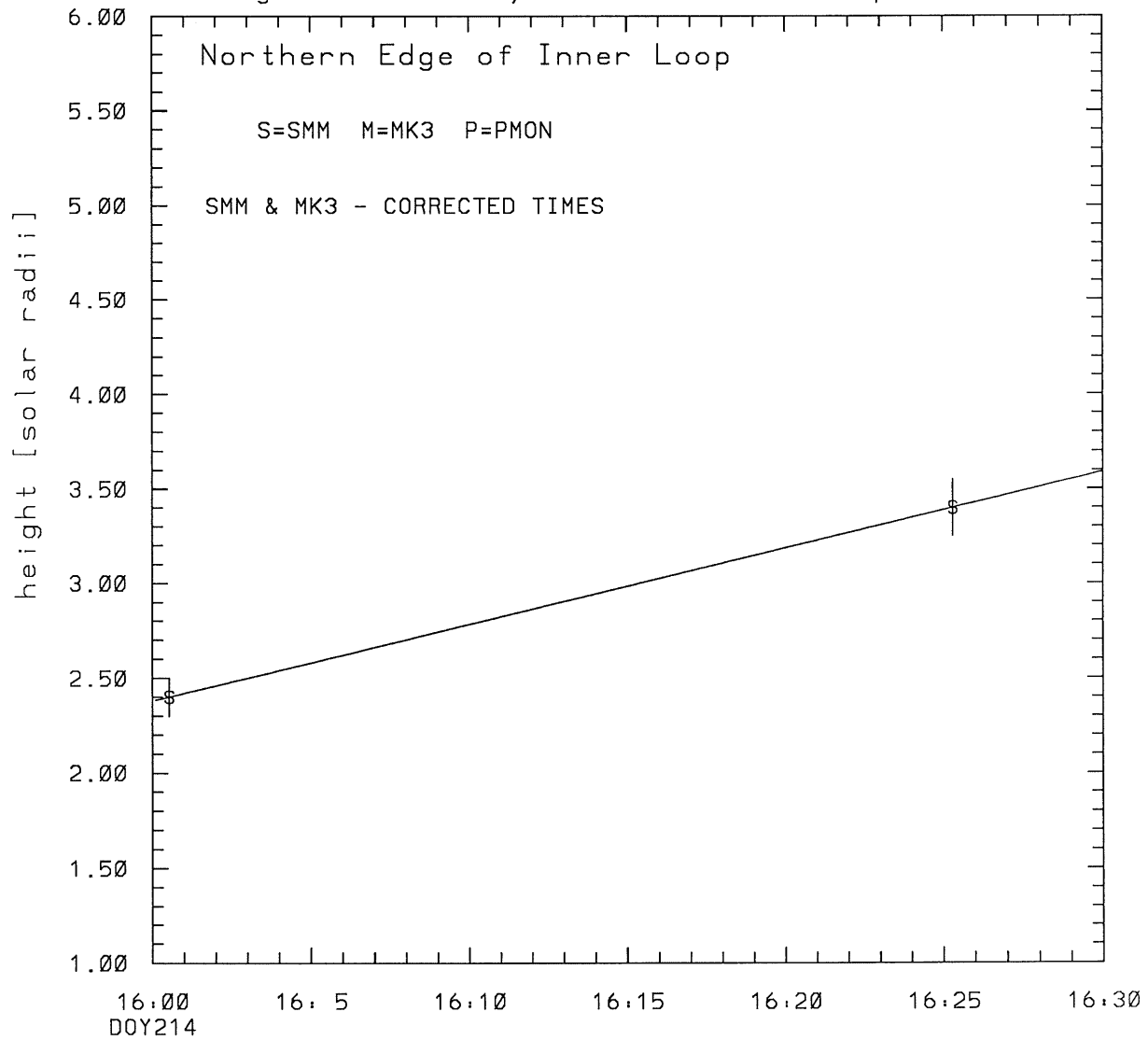
Number data points = number of coefficients. No error analysis is possible.

Correlation coefficient is not computable!

SMM C/P 1989 DOY214 88 +/- 0 degrees

height = h + velocity*time

data points = 2



tstart=DOY214 15:26 +/- 0.0 [min.]

radial velocity= 468. +/- 0. [km/sec]

This is a 1 order run

INPUT:

year	doy	time	radii	error in radius	angle	error in angle	datatype
1989	214	16: 0:32	2.40	+/- 0.10	88.0	+/- 1.0	SMM
1989	214	16:25:18	3.40	+/- 0.15	88.0	+/- 1.0	SMM

Structure being measured:
Northern Edge of Inner Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.341E+02 +/- 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 214 15:26 +/- 0.000E+00 [minutes]

Origin defined at DOY214 16: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 468. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.238E+01 +/- 0.207E-06$ [solar radii]
 $c(2) = 0.404E-01 +/- 0.147E-07$ [radii/min]
 $c(2) = 0.468E+03 +/- 0.171E-03$ [km/sec]
 $c(3) = 0.000E+00 +/- 0.000E+00$ [radii/min**2]
 $c(3) = 0.000E+00 +/- 0.000E+00$ [km/sec**2]

ANGULAR INFORMATION:

ANGULAR VELOCITY = 0.0000E+00 +/- 0.0000E+00[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

$a(1) = 88. +/- 0.$ [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 16: 0 = 0. km/sec

The TOTAL velocity at 16: 0 = 468. km/sec

The TANGENTIAL velocity at 16:25 = 0. km/sec

The TOTAL velocity at 16:25 = 468. 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!