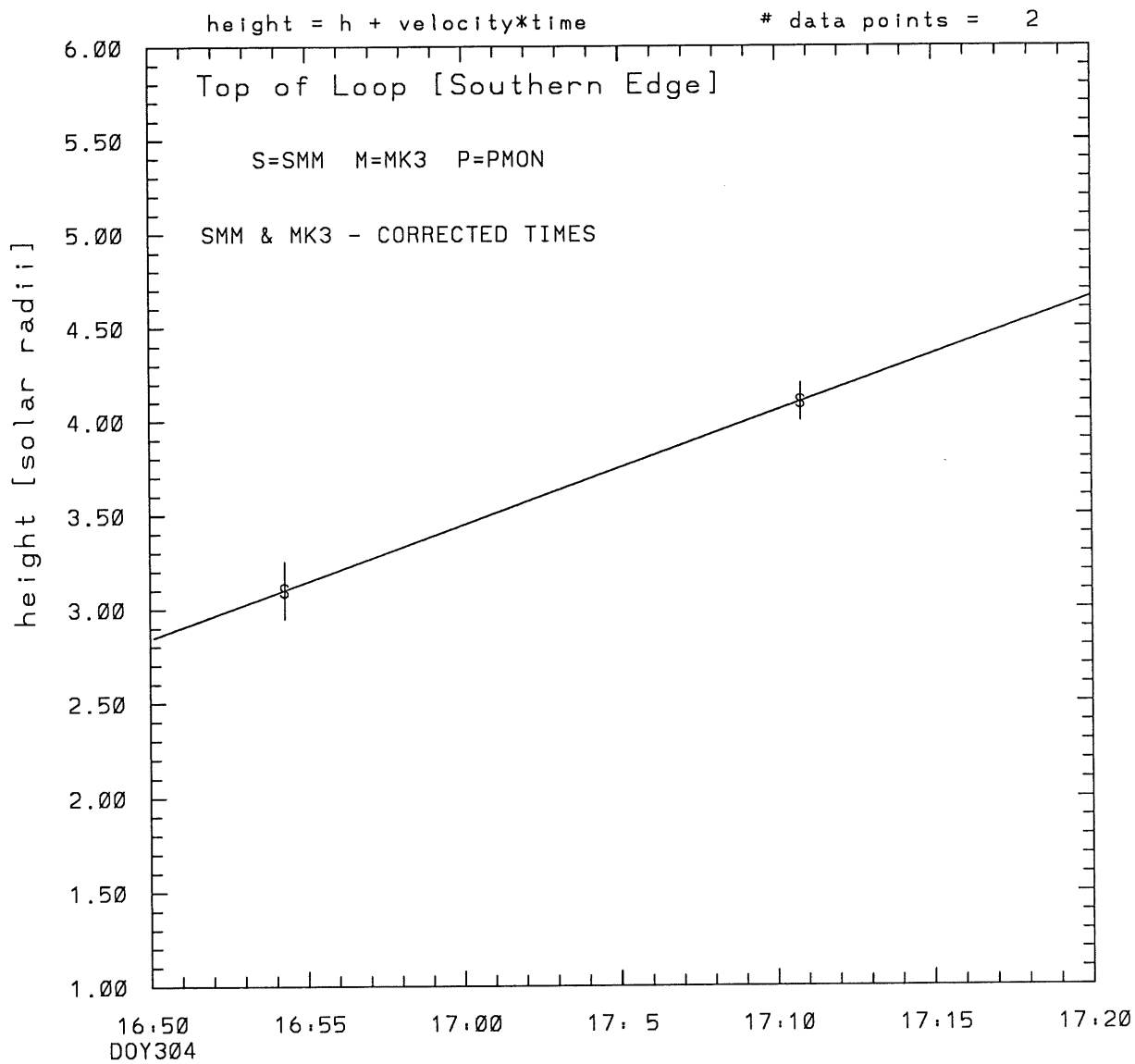


SMM C/P 1989 DOY304 114 +/- 0 degrees



tstart=DOY304 16:20 +/- 0.0 [min.]
radial velocity= 702. +/- 0. [km/sec]

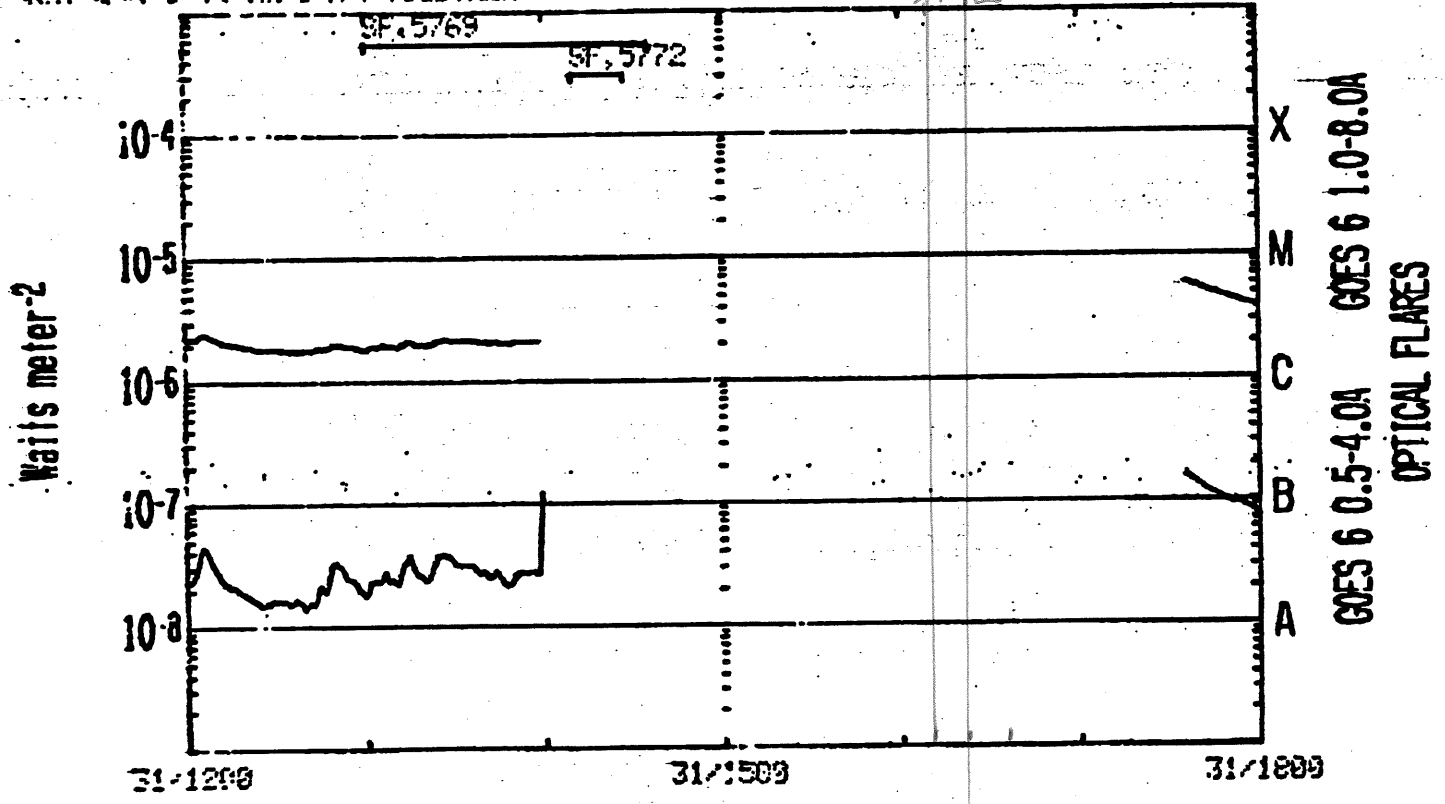
1989 Day 304

Top of Loop
Northern Edge
[072] 1st order
Top of Loop
Southern Edge
center = 089°
measured [114]
[16:23] 1st order only

AND 304 OPTICAL DATA TOGETHER

31/1500

BEGIN: 31 OCT 89



GOES 6 0.5-4.0A OPTICAL FLARES
GOES 6 1.0-8.0A

GOES-6 1 MIN DATA: OPTICAL FLARE DUR, IMP. REGION

SAA's NIGHT
RUN: 1926UT
4 NOV 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	error in angle	error in angle	datatype
1989	304	16:54:16	3.10 +/-	0.15	114.0 +/-	1.0	SMM
1989	304	17:10:47	4.10 +/-	0.10	114.0 +/-	1.0	SMM

Structure being measured:
Top of Loop [Southern Edge]

OUTPUT:

START TIME:

Event began at t = 0 + -0.304E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 304 16:20 +/- 0.000E+00 [minutes]

Origin defined at DOY304 16:50

RADIAL INFORMATION:

RADIAL VELOCITY = 702. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.284E+01 +/- 0.772E-06 [solar radii]
c(2) = 0.605E-01 +/- 0.442E-07 [radii/min]
c(2) = 0.702E+03 +/- 0.513E-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) = 114. +/- 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 16:54 = 702. km/sec

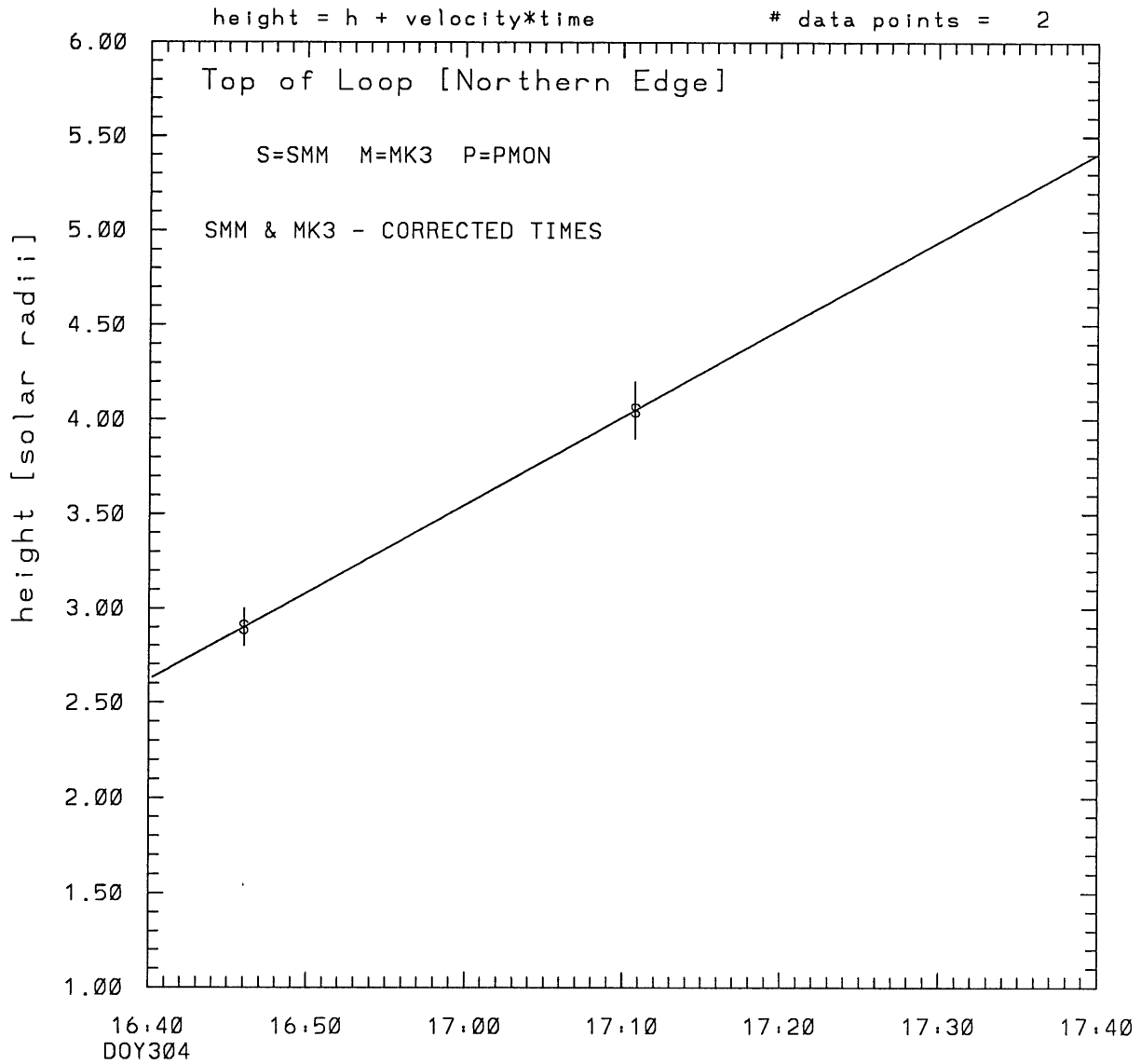
The RADIAL velocity at 17:10 = 702. km/sec

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 DOY304 72 +/- 0 degrees



tstart=DOY304 16: 7 +/- 0.0 [min.]
radial velocity= 539. +/- 0. [km/sec]

This is a 1 order run

INPUT:

year	doy	time	radii	radius	error in angle	error in angle	datatype
1989	304	16:46: 1	2.90 +/-	0.10	72.0 +/-	0.5	SMM
1989	304	17:10:47	4.05 +/-	0.15	72.0 +/-	1.0	SMM

Structure being measured:
Top of Loop [Northern Edge]

OUTPUT:

START TIME:

Event began at t = 0 + -0.349E+02 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 304 16: 7 +/- 0.000E+00 [minutes]

Origin defined at DOY304 16:40

RADIAL INFORMATION:

RADIAL VELOCITY = 539. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.262E+01 +/- 0.946E-06 [solar radii]
c(2) = 0.464E-01 +/- 0.532E-07 [radii/min]
c(2) = 0.539E+03 +/- 0.617E-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) = 72. +/- 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 16:46 = 539. km/sec

The RADIAL velocity at 17:10 = 539. 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!