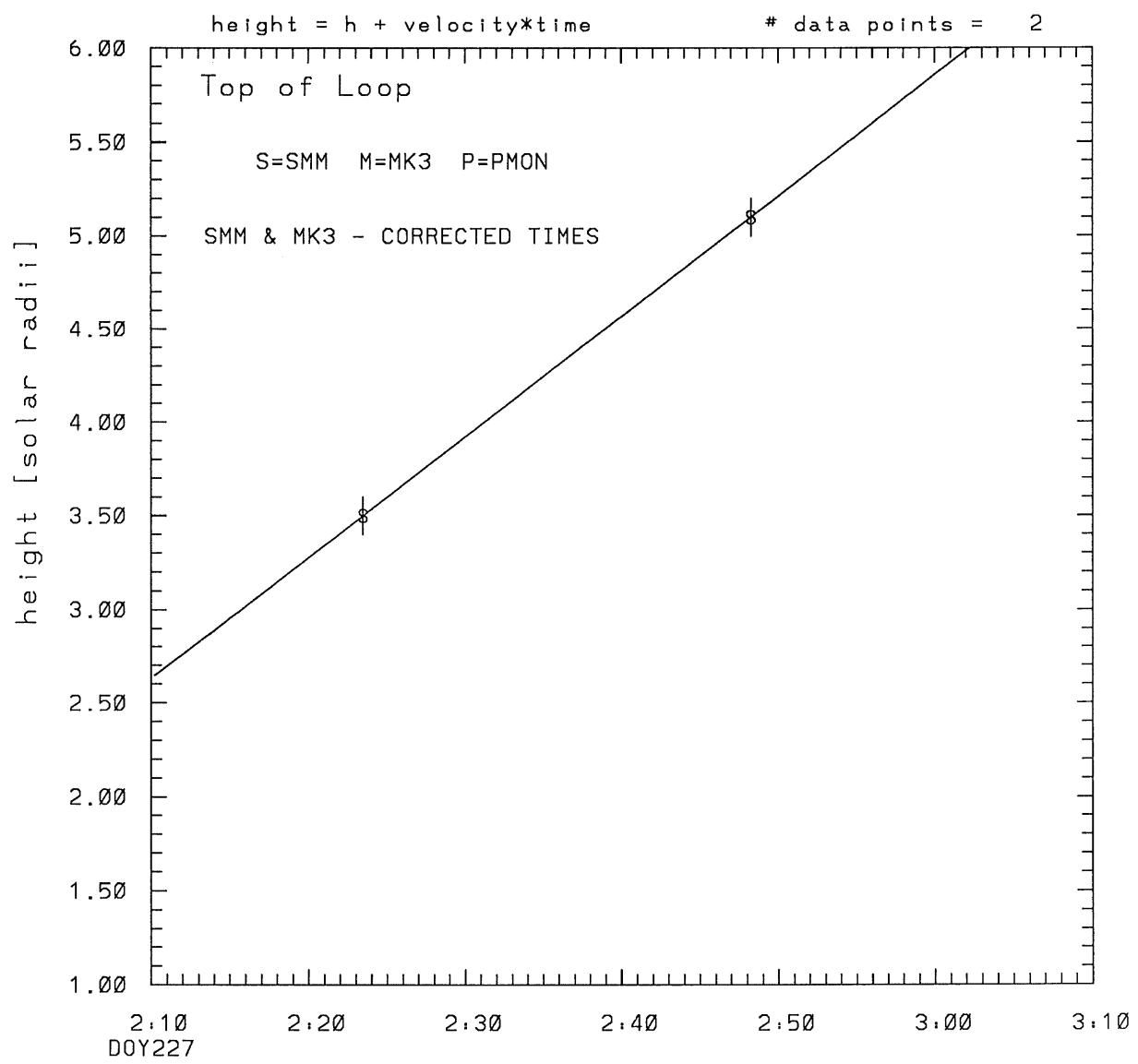




SMM C/P 1989 DOY227 276 +/- 0 degrees



tstart=DOY227 1:45 +/- 0.0 [min.]
radial velocity= 748. +/- 0. [km/sec]

1989 DOY 227

Top of Central Chromospheric Blob
[1:28] 1/2 order only

Top of Loop center = 242'
measured @ 276° [1:45]
1/2 order only

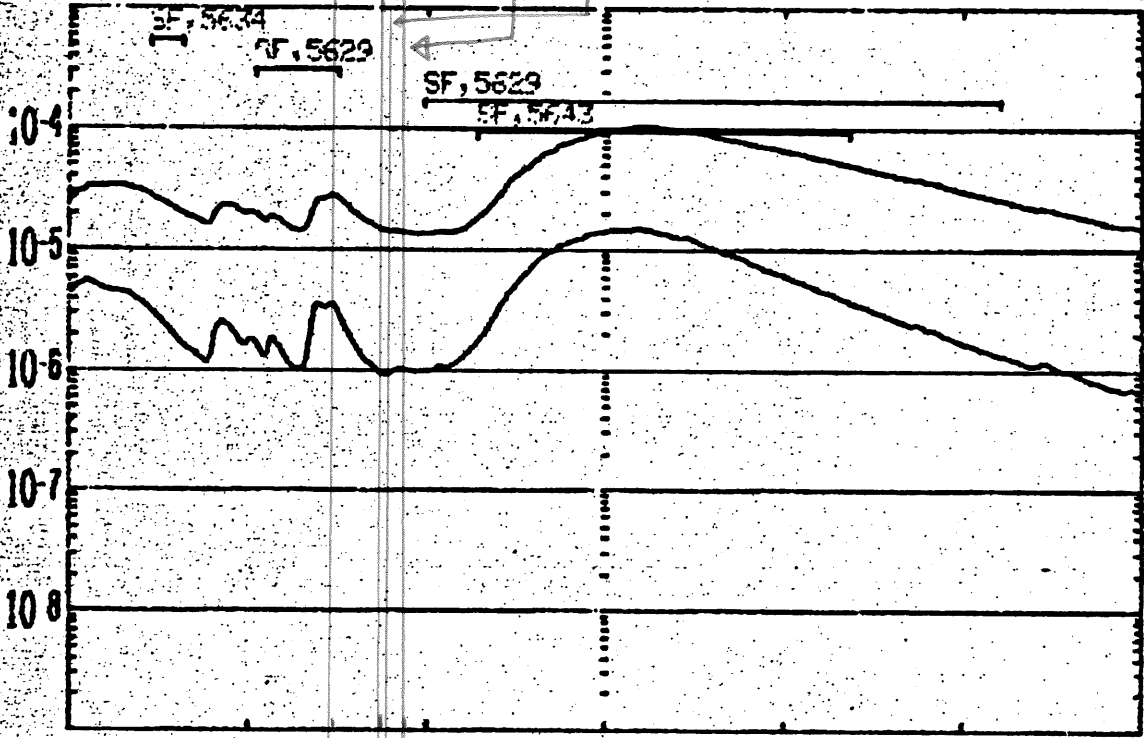
Top of Prominence Grid
[1:55] 1/2 order only
Hook of Prom Material
[1:49] 1/2 order only

STOP
Ret.

OPTICAL DATA TOGETHER

BEGIN: 15 AUG 89

Watt's meter -2



15:00:00

15:03:00

15:06:00

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

RUN: 1426UT
21 AUG 89

This is a 1 order run

INPUT:

year	doy	time	radii	radius	error in	angle	error in	datatype
1989	227	2:23:28	3.50	+/- 0.10	276.0	+/- 1.0		SMM
1989	227	2:48:16	5.10	+/- 0.10	276.0	+/- 1.0		SMM

Structure being measured:
Top of Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.253E+02 +/- 0.000E+00$ [minutes]
In more convenient units:
Event began at DOY 227 1:45 +/- 0.000E+00 [minutes]

Origin defined at DOY227 2:10

RADIAL INFORMATION:

RADIAL VELOCITY = 748. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.263E+01 +/- 0.161E-05$ [solar radii]
 $c(2) = 0.645E-01 +/- 0.561E-07$ [radii/min]
 $c(2) = 0.748E+03 +/- 0.650E-03$ [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:

$a(1) = 276. +/- 0.$ [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 2:23 = 0. km/sec

The TOTAL velocity at 2:23 = 748. km/sec

The TANGENTIAL velocity at 2:48 = 0. km/sec

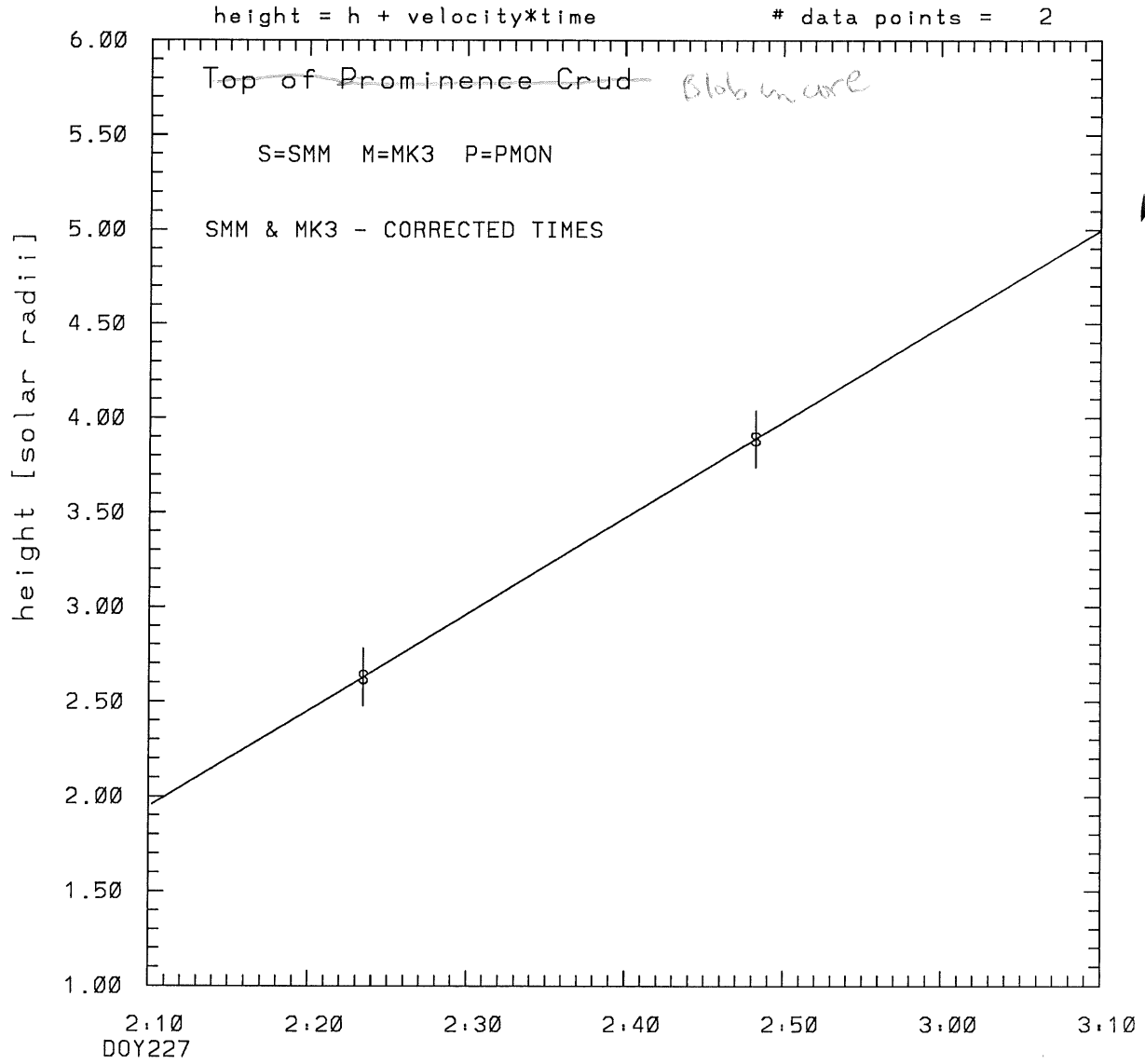
The TOTAL velocity at 2:48 = 748. km/sec

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 DOY227 254 +/- 0 degrees



tstart=DOY227 1:53 +/- 0.0 [min.]
radial velocity= 589. +/- 0. [km/sec]

This is a 1 order run

INPUT:

year	doy	time	radii	error in radius	angle	error in angle	datatype
1989	227	2:23:28	2.63	+/- 0.15	254.0	+/- 1.0	SMM
1989	227	2:48:16	3.89	+/- 0.15	254.0	+/- 1.0	SMM

Structure being measured:

Top of Prominence Crud

OUTPUT:

START TIME:

Event began at $t = 0 + -0.186E+02 \pm 0.000E+00$ [minutes]

In more convenient units:

Event began at DOY 227 1:53 +/- 0.000E+00 [minutes]

Origin defined at DOY227 2:10

RADIAL INFORMATION:

RADIAL VELOCITY = 589. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

$c(1) = 0.195E+01 \pm 0.281E-05$ [solar radii]
 $c(2) = 0.508E-01 \pm 0.980E-07$ [radii/min]
 $c(2) = 0.589E+03 \pm 0.114E-02$ [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 +/- 0.0000E+00[radians/sec]

The computed ANGULAR coefficients and errors FROM NLLST2 are:

$a(1) = 254. \pm 0.$ [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 2:23 = 0. km/sec

The TOTAL velocity at 2:23 = 589. km/sec

The TANGENTIAL velocity at 2:48 = 0. km/sec

The TOTAL velocity at 2:48 = 589. 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!