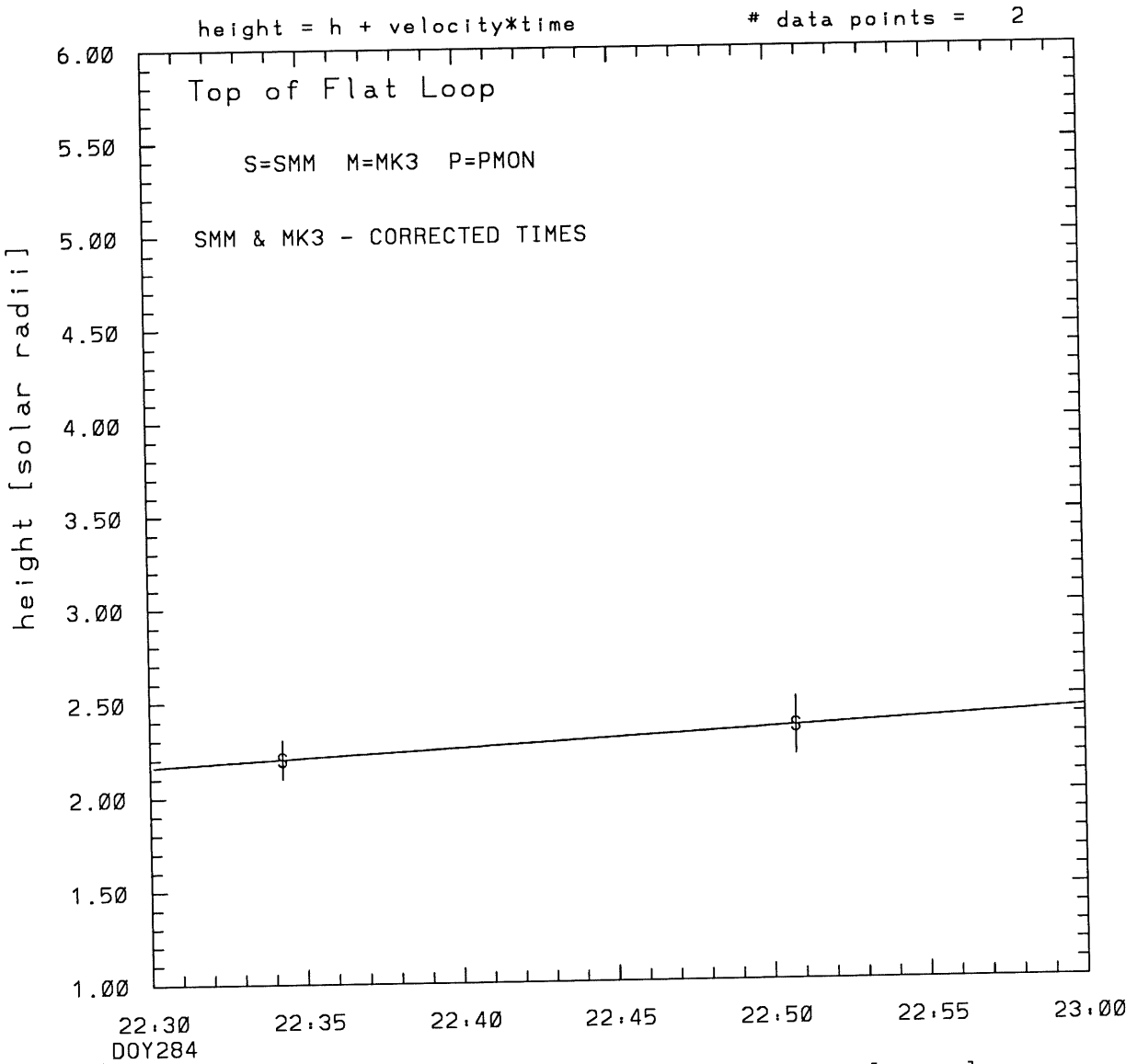


SMM C/P 1989 DOY284 112 +/- 0 degrees



tstart=DOY284 20:24 +/- 0.0 [min.]
radial velocity= 105. +/- 0. [km/sec]

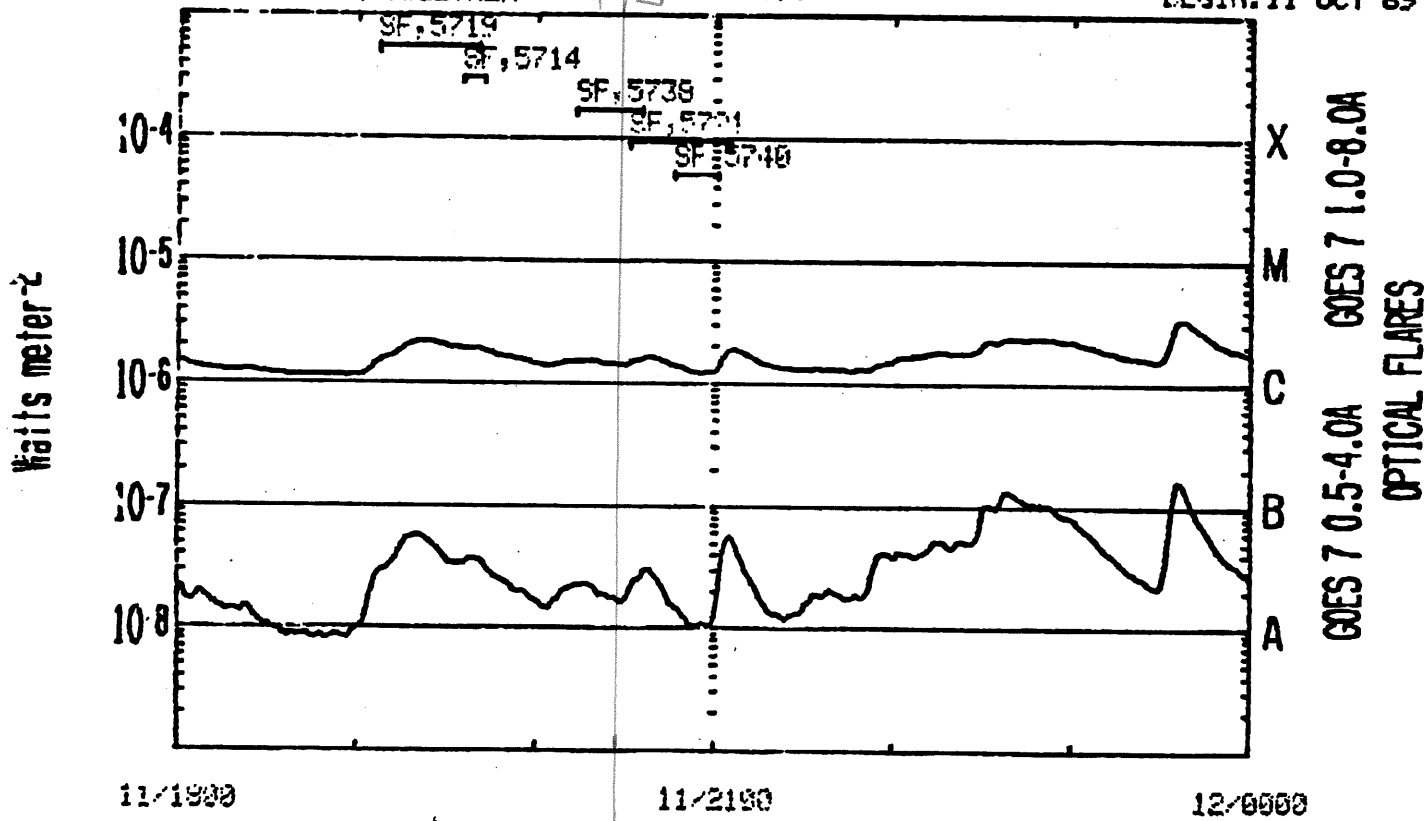
1989 DOY 284

Loop
Top of event center = 114
[20:27] 15 mins only.

SAT and OPTICAL DATA TOGETHER

STOP
Ret.,

BEGIN: 11 OCT 89



GOES 7 0.5-4.0A OPTICAL FLARES
GOES 7 1.0-8.0A

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

SAA's
NIGHT

RUN: 1839UT
16 OCT 89

This is a 1 order run

INPUT:

year	day	time	radii	radius	angle	error in angle	error in angle	datatype
1989	284	22:34:15	2.20 +/-	0.10	112.0 +/-	0.5		SMM
1989	284	22:50:45	2.35 +/-	0.15	112.0 +/-	0.5		SMM

Structure being measured:
Top of Flat Loop

OUTPUT:

START TIME:

Event began at t = 0 + -0.128E+03 +/- 0.000E+00 [minutes]
In more convenient units:
Event began at DOY 284 20:24 +/- 0.000E+00 [minutes]
Origin defined at DOY284 22:30

RADIAL INFORMATION:

RADIAL VELOCITY = 105. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) =	0.216E+01 +/-	0.104E-05 [solar radii]
c(2) =	0.909E-02 +/-	0.865E-07 [radii/min]
c(2) =	0.105E+03 +/-	0.100E-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]

ANGULAR INFORMATION:

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

The computed ANGULAR coefficients and errors FROM NLLST2 are:

a(1) =	112. +/-	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 22:34 = 105. km/sec

The RADIAL velocity at 22:50 = 105. 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!