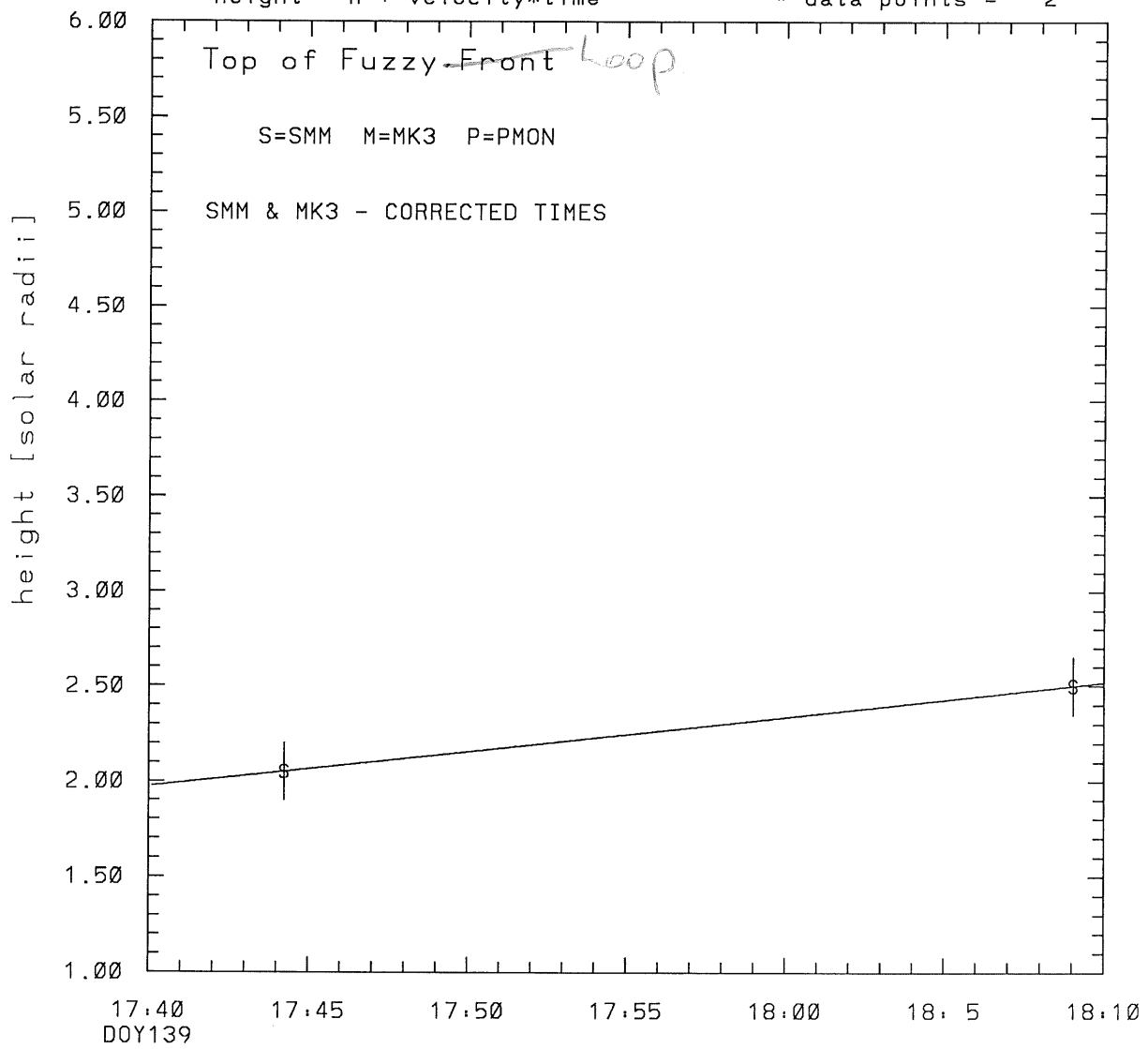


SMM C/P 1989 DOY139 305 +/- 0 degrees

height = h + velocity\*time

# data points = 2



tstart=DOY139 16.48 +/- 0.0 [min.]  
radial velocity= 210. +/- 0. [km/sec]

1989 Day 139

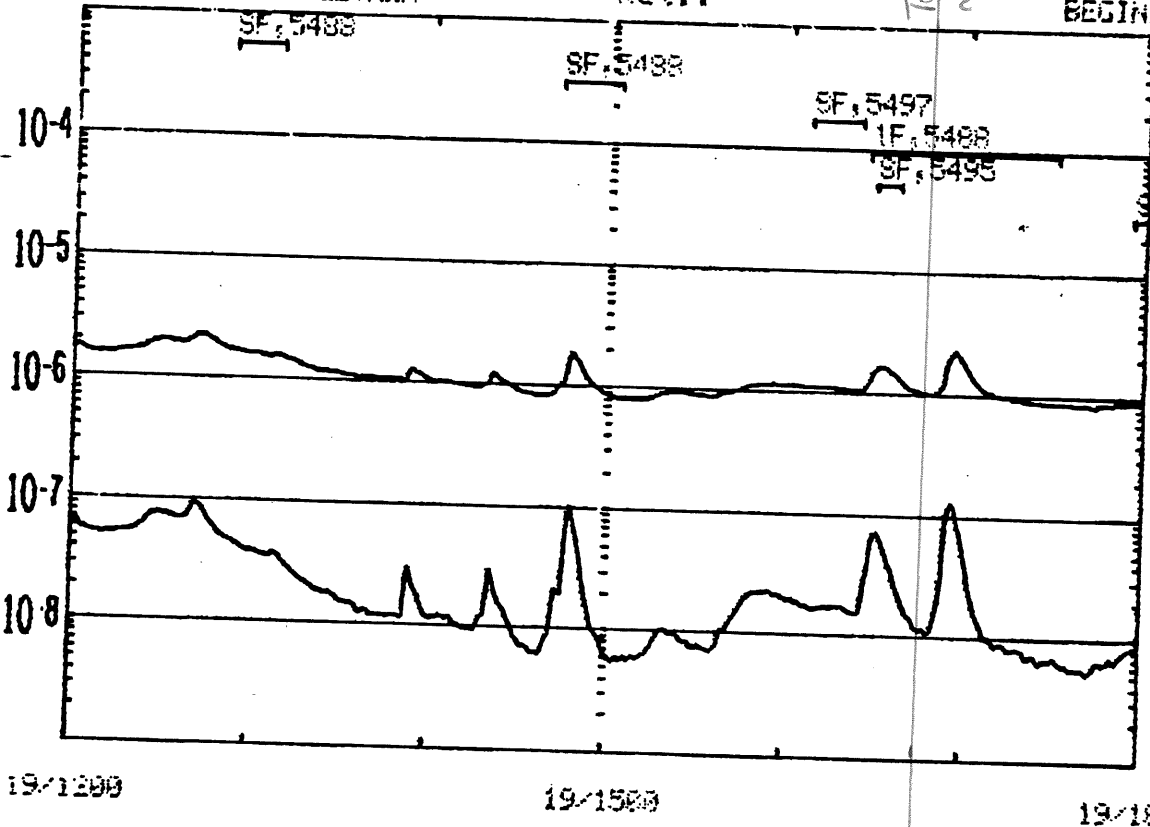
Top of Fuzzy Front center =  
measured @ 305°, [16:48] 1st order only

ARMY and OPTICAL DATA TOGETHER

STOP  
Ret..

BEGIN: 19 MAY 89

Watts meter<sup>2</sup>



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

19/1200

19/1500

19/1800

SAA's  
NIGHT

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

RUN: 1908UT  
22 MAY 89

\*\*\*\*\*  
This is a 1 order run  
\*\*\*\*\*

\*\*\*\*\*  
INPUT:  
\*\*\*\*\*

year	day	time	error in radii	error in radius	error in angle	error in angle	datatype
1989	139	17:44:14	2.05 +/- 0.15	305.0 +/- 0.5			SMM
1989	139	18: 9: 2	2.50 +/- 0.15	305.0 +/- 0.5			SMM

\*\*\*\*\*  
Structure being measured:  
Top of Fuzzy Front-Loop?  
\*\*\*\*\*

\*\*\*\*\*  
OUTPUT:  
\*\*\*\*\*

START TIME:

Event began at  $t = 0 + -0.536E+02 +/- 0.000E+00$  [minutes]  
In more convenient units:  
Event began at DOY 139 16:48 +/- 0.000E+00 [minutes]

Origin defined at DOY139 17:40

RADIAL INFORMATION:

RADIAL VELOCITY = 210. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.197E+01 +/- 0.798E-06 [solar radii]  
c(2) = 0.181E-01 +/- 0.385E-07 [radii/min]  
c(2) = 0.210E+03 +/- 0.446E-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) = 305. +/- 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 17:44 = 0. km/sec

The TOTAL velocity at 17:44 = 210. km/sec

The TANGENTIAL velocity at 18: 9 = 0. km/sec

The TOTAL velocity at 18: 9 = 210. 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!