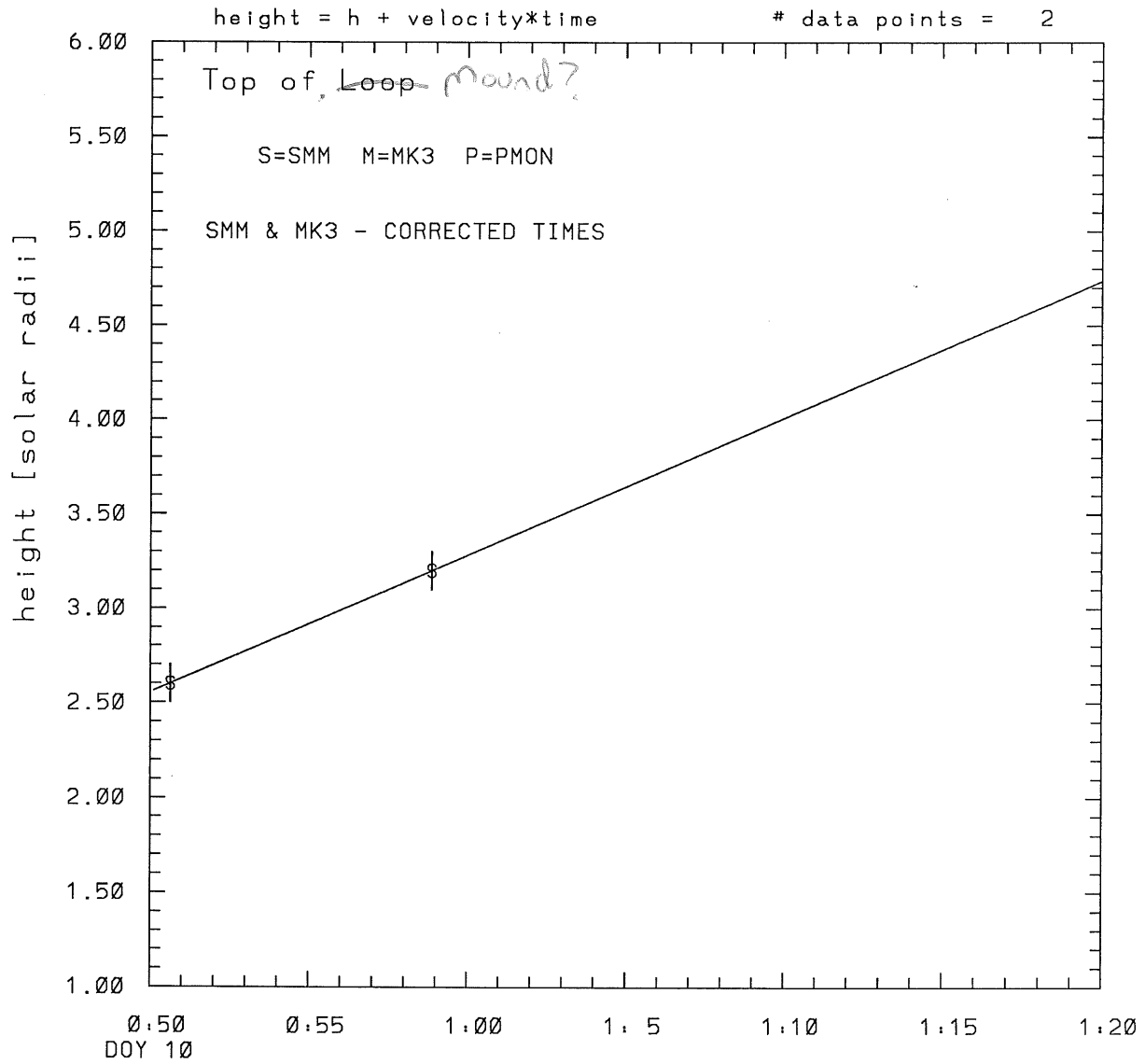


SMM C/P 1989 DOY 10 135 +/- 0 degrees



tstart=DOY 10 0:29 +/- 0.0 [min.]
radial velocity= 844. +/- 0. [km/sec]

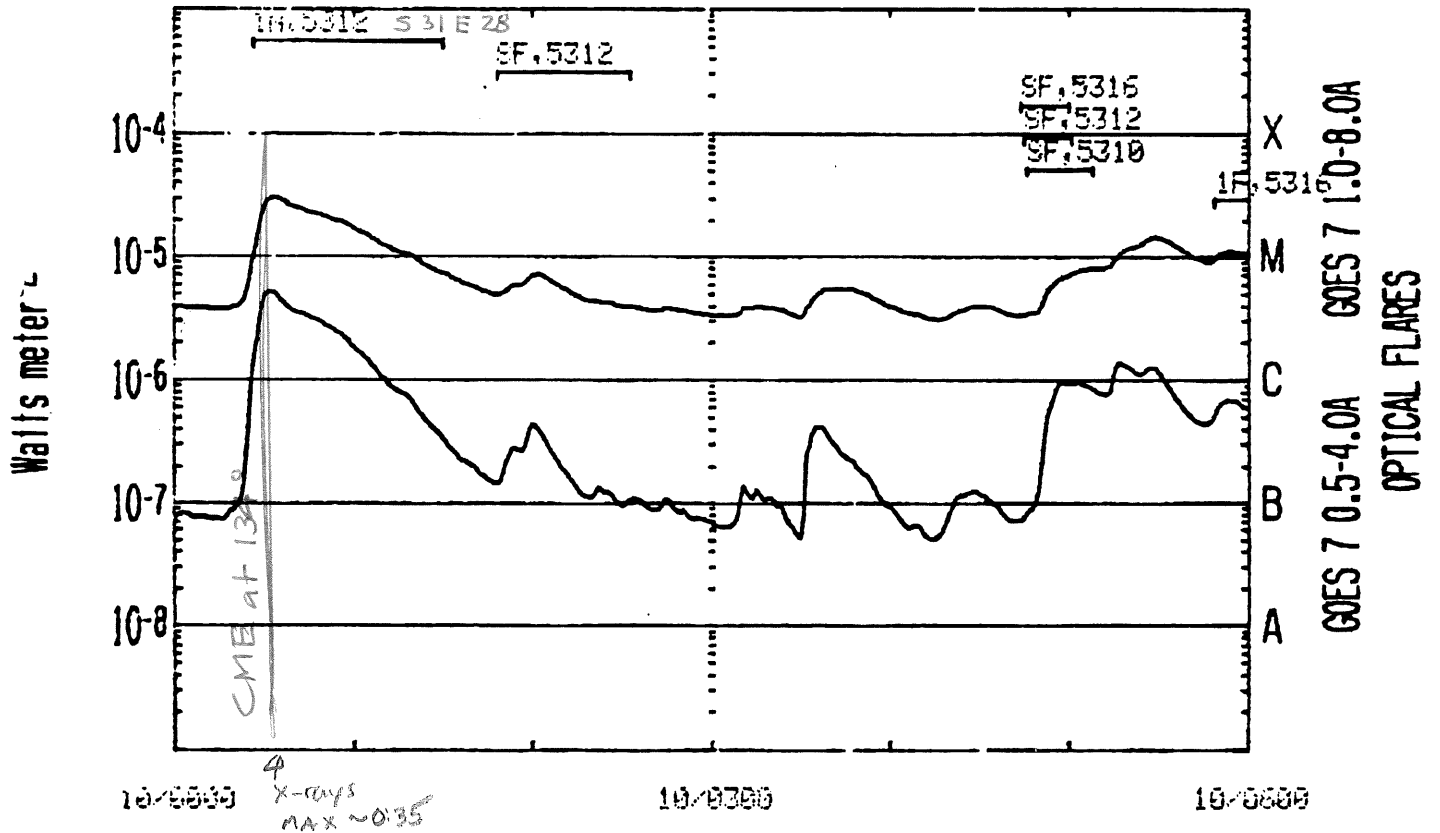
1989 Day 10

Top of Loop

RAY and OPTICAL DATA TOGETHER

STOP
Pet..

BEGIN: 10 JAN 89



SAA's
NIGHT

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

RUN: 1851UT
15 JAN 89

This is a 1 order run

INPUT:

| year | doy | time | error in radii | error in radius | error in angle | error in angle | datatype |
|------|-----|---------|----------------|-----------------|----------------|----------------|----------|
| 1989 | 10 | 0:50:38 | 2.60 +/- 0.10 | | 135.0 +/- 0.5 | | SMM |
| 1989 | 10 | 0:58:53 | 3.20 +/- 0.10 | | 135.0 +/- 0.5 | | SMM |

Structure being measured:

Top of Loop

OUTPUT:

START TIME:

Event began at $t = 0 + -0.214E+02 +/- 0.000E+00$ [minutes]

In more convenient units:

Event began at DOY 10 0:29 +/- 0.000E+00 [minutes]

Origin defined at DOY 10 0:50

RADIAL INFORMATION:

RADIAL VELOCITY = 844. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.255E+01 +/- 0.814E-06 [solar radii]
c(2) = 0.727E-01 +/- 0.129E-06 [radii/min]
c(2) = 0.844E+03 +/- 0.150E-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) = 135. +/- 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 0:50 = 0. km/sec

The TOTAL velocity at 0:50 = 844. km/sec

The TANGENTIAL velocity at 0:58 = 0. km/sec

The TOTAL velocity at 0:58 = 844. 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!