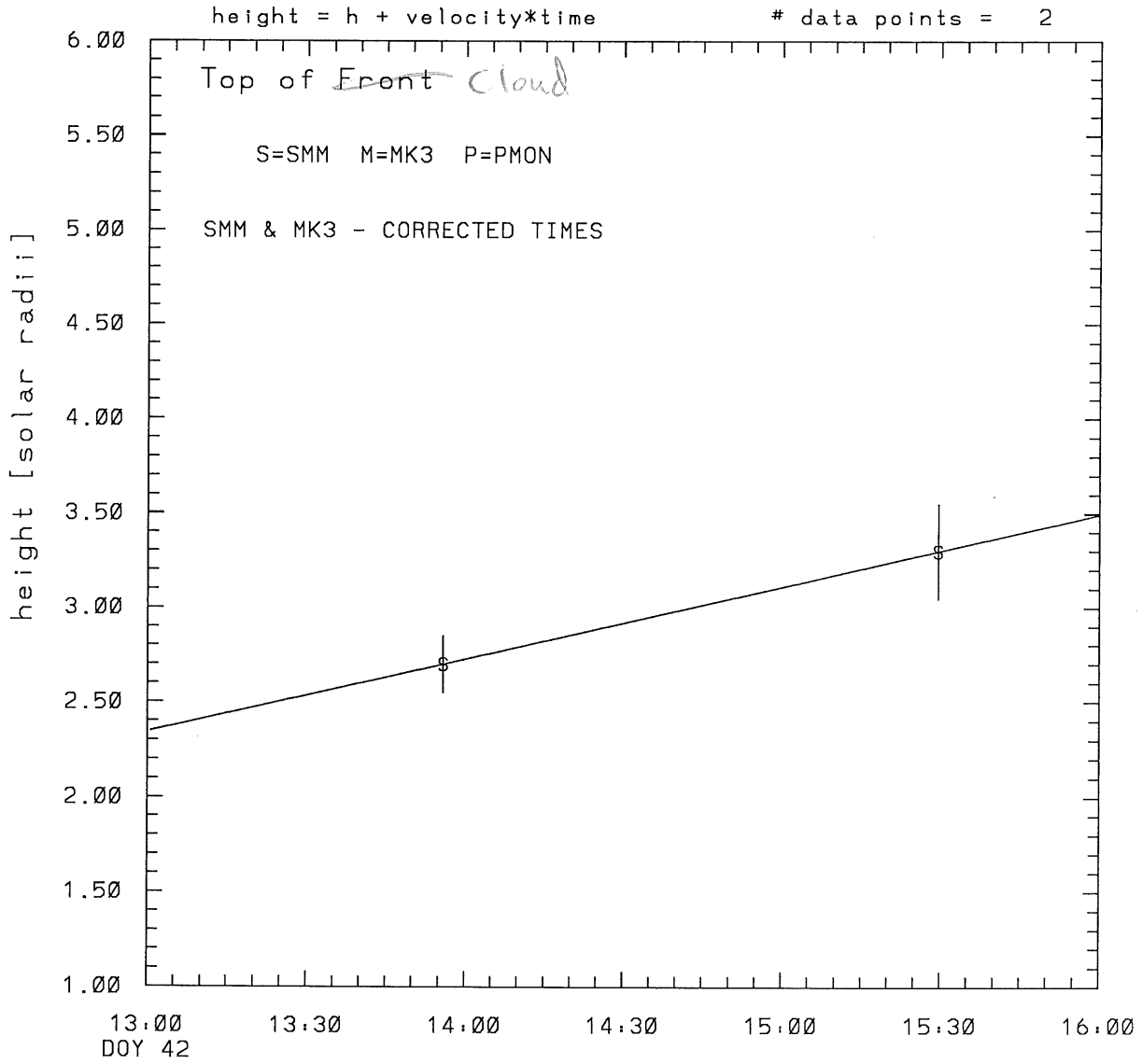


SMM C/P 1989 DOY 42 208 +/- 0 degrees



tstart=DOY 42 9:32 +/- 0.0 [min.]
radial velocity= 74. +/- 0. [km/sec]

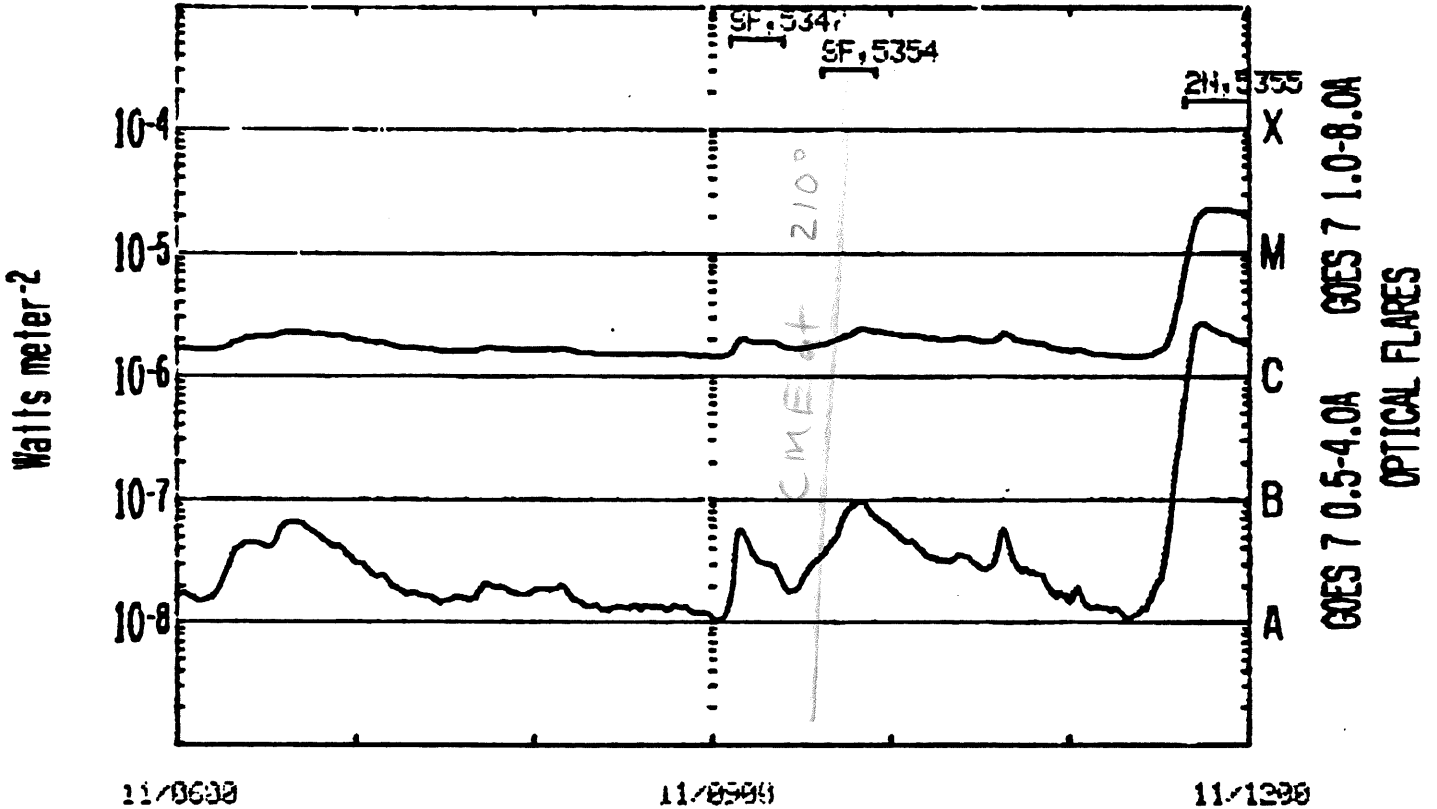
1989 Day 42

RAY and OPTICAL DATA TOGETHER

STOP Ret.

Top of front [9:32] 1st order only

BEGIN: 11 FEB 89



SAA's NIGHT

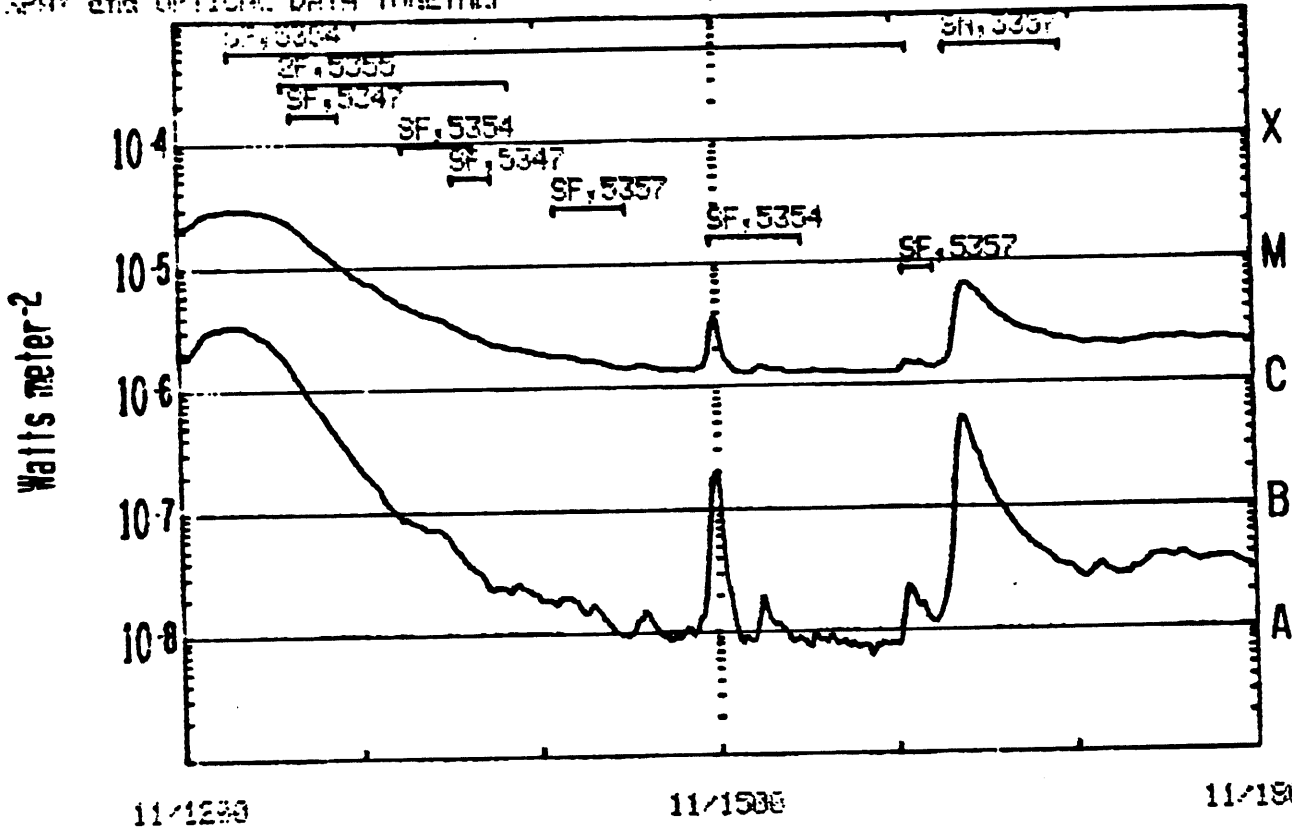
GOES-7 1 MIN DATA: OPTICAL FLARE DUR, IMP, REGION

RUN: 2222UT 14 FEB 89

RAW and OPTICAL DATA TOGETHER

STOP
Ret..

BEGIN: 11 FEB 89



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

11/1230

11/1500

11/1800

SAA's
NIGHT

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

RUN: 2225UT
14 FEB 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	42	13:55:51	2.70 +/- 0.15	208.0 +/- 0.5			SMM
1989	42	15:29:34	3.30 +/- 0.25	208.0 +/- 0.5			SMM

Structure being measured:

Top of Front

OUTPUT:

START TIME:

Event began at $t = 0 + -0.210E+03 +/- 0.000E+00$ [minutes]

In more convenient units:

Event began at DOY 42 9:32 +/- 0.000E+00 [minutes]

Origin defined at DOY 42 13: 0

RADIAL INFORMATION:

RADIAL VELOCITY = 74. +/- 0. km/sec

The computed RADIAL coefficients and errors FROM NLLST2 are:

c(1) = 0.234E+01 +/- 0.000E+00 [solar radii]
c(2) = 0.640E-02 +/- 0.000E+00 [radii/min]
c(2) = 0.743E+02 +/- 0.000E+00 [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) = 208. +/- 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 13:55 = 0. km/sec

The TOTAL velocity at 13:55 = 74. km/sec

The TANGENTIAL velocity at 15:29 = 0. km/sec

The TOTAL velocity at 15:29 = 74. 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!