

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/06/87 00:00:00

End : 11/06/87 23:59:00

11/06 22:00

2202

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 310

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 4875 (N31W95) PRODUCED AN M2/OF FLARE AT 05/2341Z. TYPE II SWEEP AND SMALL DISCRETE FREQUENCY RADIO BURSTS WERE RECORDED WITH THE EVENT. THE REGION, NOW JUST BEYOND WEST LIMB, ALSO PRODUCED SURGING THROUGHOUT THE DAY. NEWLY NUMBERED REGION 4886 (S27E59), A SPOTLESS PLAGE WITH AN ACTIVE FILAMENT, GENERATED A C4/2N PARALLEL RIBBON FLARE AT 06/2018Z THAT WAS ALSO ACCOMPANIED BY TYPE II SWEEP. ANOTHER NEW REGION, 4885 (N32W11), IS A SIMPLE BIPOLAR.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY VERY LOW. SURGING MAY CONTINUE AT WEST LIMB NEAR THE LOCATION OF REGION 4875 FOR THE NEXT 24 HOURS. ALSO, THERE STILL IS THE POSSIBILITY OF AN ISOLATED M-CLASS EVENT FROM THAT SITE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MID-LATITUDES AND GENERALLY UNSETTLED TO ACTIVE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS FORECAST TO BE AT ACTIVE TO MAJOR STORM LEVELS EARLY IN THE PERIOD IN RESPONSE TO FLARE ACTIVITY ON 05 NOV. GENERALLY UNSETTLED TO ACTIVE CONDITIONS, WITH EPISODES OF MINOR STORM LEVELS, SHOULD CLOSE OUT THE INTERVAL.

III. EVENT PROBABILITIES 07 NOV-09 NOV

CLASS M 15/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 NOV 097

PREDICTED 07 NOV-09 NOV 096/097/097

90 DAY MEAN 06 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 NOV 007/012

ESTIMATED AFR/AP 06 NOV 008/014

PREDICTED AFR/AP 07 NOV-09 NOV 020/050-015/040-015/020

NNNN

<003>