

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/02/86 00:00:00

End : 05/02/86 23:59:00

05/02 22:00

0340

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 122

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 MAY 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY WAS VERY LOW. FREQUENT LOW-LEVEL X RAY ENHANCEMENTS HAVE BEEN OBSERVED AS A

C-1/SUB-NORMAL FLARE IN REGION 4727 WHICH REACHED MAXIMUM AT 1355Z. PLAGE BRIGHTENINGS OCCURRED REPEATEDLY IN THE SOUTHERN PORTION OF THE REGION THROUGHOUT THE PERIOD. NEWLY ASSIGNED REGION 4728 (NO6W55), BORN ON THE DISK TODAY, HAS ALREADY BEGUN TO DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW. ADDITIONAL SUBFLARE ACTIVITY IS EXPECTED FROM REGION 4727.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MOSTLY ACTIVE TO MINOR STORM LEVELS THE PAST 24 HOURS. MAJOR STORM CONDITIONS WERE RECORDED AT HIGH-LATITUDE SITES BEGINNING AT 1630Z. THE MAJOR STORMING CONTINUES AT THIS TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR TO MAJOR STORM CONDITIONS EARLY IN THE FORECAST PERIOD. DISAPPEARING FILAMENT AND CORONAL HOLE EFFECTS WILL BOTH CONTRIBUTE TO THE ACTIVITY. THE DISTURBANCE SHOULD WANE WITH TIME, AS UNSETTLED TO ACTIVE LEVELS ARE ANTICIPATED 05 MAY.

III. EVENT PROBABILITIES 03 MAY-05 MAY

CLASS M 05/05/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 073

PREDICTED 03 MAY-05 MAY 073/072/072

90 DAY MEAN 02 MAY 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 MAY 006/012

ESTIMATED AFR/AP 02 MAY 015/045

PREDICTED AFR/AP 03 MAY-05 MAY 030/050-015/030-010/025

SOLTERWARN

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