

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/22/86 00:00:00

End : 04/22/86 23:59:00

04/22 22:00

2150

HPUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 112

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY WAS VERY LOW FOR THE PREVIOUS 24 HOURS. REGION 4725 (S01W33) IS A CONSENSUS CAD-BETA SPOT GROUP. THE REGION APPEARS TO BE DECAYING ACCORDING TO REPORTS RECEIVED. IT HAS REMAINED QUIET AND STABLE. NEW REGION 4726 (N02E24) IS A BXO-BETA GROUP THAT WAS NUMBERED TODAY. ALL REPORTS INDICATE THAT REGION 4726 HAS SHOWN OBVIOUS GROWTH IN SPOTS, AREA, AND MAGNETIC CLASSIFICATION. IT HAS ARCH FILAMENT SYSTEMS IN PROGRESS AND OCCASIONAL POINT BRIGHTENINGS HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. THERE IS A SLIGHT POSSIBILITY OF INCREASED ACTIVITY FROM REGION 4726.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED FOR THE PAST 24 HOURS. SOME ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES BETWEEN 22/0430-22/1330Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 23 APR-25 APR

CLASS M 03/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 APR 073

PREDICTED 23 APR-25 APR 074/075/076

90 DAY MEAN 22 APR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 APR 008/010

ESTIMATED AFR/AP 22 APR 012/015

PREDICTED AFR/AP 23 APR-25 APR 015/020-015/015-010/015

SOLTERWARN

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