

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/23/86 00:00:00

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

04/23 22:00

2141

HPU53 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 113

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 APR 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4725 (NOOW38) HAS REMAINED QUIET AND STABLE AS IT CONTINUES TO SHOW SIGNS OF DECAY. REGION 4726 (NO3E08) IS NOW A DAD-BETA SPOT GROUP. THE REGION HAS CONTINUED TO EXHIBIT ACCELERATED GROWTH THROUGH THE PREVIOUS 24 HOURS. ALL REPORTS INDICATE INCREASING COMPLEXITY AS THE REGION CONTINUES ACROSS THE DISK. THERE HAS ALREADY BEEN SEVERAL B-CLASS X-RAY FLARES AND MINOR OPTICAL FLARES FROM REGION 4726. NEW REGION 4727 (N07E43) IS A BXO-BETA SPOT GROUP THAT HAS YET TO HAVE ANY SIGNIFICANT FEATURES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY VERY LOW WITH THE POSSIBILITY OF AN INCREASE TO LOW TO MODERATE. THE INCREASE IS BASED ON THE CURRENT STATUS OF REGION 4726.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN GENERALLY UNSETTLED THE PAST 24 HOURS. SOME ACTIVE CONDITIONS AND BRIEF PERIODS OF STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT TWO DAYS. ACTIVE CONDITIONS ARE EXPECTED ON THE THIRD DAY DUE TO THE EFFECTS OF POSSIBLE ACTIVITY INCREASE FROM REGION 4726.

III. EVENT PROBABILITIES 24 APR-26 APR

CLASS M 30/40/50

CLASS X 02/03/04

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 APR 081

PREDICTED 24 APR-26 APR 088/090/094

90 DAY MEAN 23 APR 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 APR 013/015

ESTIMATED AFR/AP 23 APR 012/014

PREDICTED AFR/AP 24 APR-26 APR 013/014-010/013-015/020

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