

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/22/87 00:00:00

End : 06/22/87 23:59:00

06/22 22:00

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HFUS3 BOU 222200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 173

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PREVIOUS 24 HOURS. REGION 4819 (N19E13) HAS CONTINUED TO GROW IN SPOTS AND AREA. THE CONSENSUS REPORTS THE REGION AS A DSO GROUP, BUT IT HAS BEEN OBSERVED AT A DAI BY ONE OF THE OBSERVATORIES. THE REGION HAS HAD NEARLY CONTINUOUS POINT BRIGHTENINGS TO NEAR FLARE INTENSITY. HOWEVER, THERE HAVE BEEN ONLY SUBFLARES FROM THE REGION. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4819 IS EXPECTED TO CONTINUE SOME GROWTH AND INCREASE IN INTENSITY, HOWEVER, THE PROBABILITY OF ENERGETIC FLARES IS NOT VERY HIGH RIGHT NOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT TWO DAYS AND THEN INCREASE TO UNSETTLED TO ACTIVE CONDITIONS ON THE FINAL DAY. THE INCREASE ON THE THIRD DAY IS DUE TO RECURRENCE AND THE POSSIBLE EFFECTS OF A FILAMENT THAT DISAPPEARED ON 21 JUNE.

III. EVENT PROBABILITIES 23 JUN-25 JUN

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 JUN 084

PREDICTED 23 JUN-25 JUN 085/086/086

90 DAY MEAN 22 JUN 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 JUN 007/011

ESTIMATED AFR/AP 22 JUN 005/010

PREDICTED AFR/AP 23 JUN-25 JUN 005/011-005/013-015/022

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