

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/23/87 00:00:00

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

06/23 22:00

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HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 174

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4819 IS THE ONLY REGION WITH ASSOCIATED ACTIVITY IN THE PREVIOUS 24 HOURS. THE REGION CONTINUES AS A DSO/BETA GROUP. SPOT GROWTH HAS SLOWED SOMEWHAT AND THERE HAVE BEEN REPORTS OF SOME MINOR PENUMBRA DECAY, HOWEVER, THE LATEST REPORTS INDICATE THE REGION STILL HAS STRONG ARCH FILAMENT SYSTEMS WITHIN 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 STILL CAPABLE OF SIGNIFICANT EVENTS AND CLOSE MONITORING WILL CONTINUE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED ON 24 AND 26 JUNE. ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED ON 25 JUNE AS A RESULT OF A 14 DEGREE LONG FILAMENT (CENTROID N20W19) THAT DISAPPEARED BETWEEN 22/0204 AND 22/0355 UT. ANALYSIS OF RECEIVED DATA INDICATE THERE WAS AN ASSOCIATED CORONAL MASS EJECTION WITH THE DISAPPEARANCE.

III. EVENT PROBABILITIES 24 JUN-26 JUN

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JUN 085

PREDICTED 24 JUN-26 JUN 086/086/085

90 DAY MEAN 23 JUN 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 JUN 004/010

ESTIMATED AFR/AP 23 JUN 005/011

PREDICTED AFR/AP 24 JUN-26 JUN 012/015-018/030-010/015

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