

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/25/86 00:00:00

End : 07/25/86 23:59:00

07/25 22:00

2143

HF053 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 206

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. SOFT XRAY BACKGROUND REMAINS SLIGHTLY ELEVATED FOLLOWING A LONG DURATION MINOR ENHANCEMENT BEGINNING BEFORE 0400Z. NO SOURCE FOR THE ENHANCEMENT HAS BEEN IDENTIFIED BUT SOURCE(S) BEHIND THE EAST LIMB MAY HAVE CONTRIBUTED. TWO H-ALPHA PLAGE REGIONS REMAIN UNSPOTTED AND CONTINUE IN DECLINE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. OLD REGION 4736(CARRINGTON LONGITUDE 225) MAY RETURN ON 27 JULY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THIS RECURRENT ACTIVITY IS POSSIBLY ASSOCIATED WITH A SMALL CORONAL HOLE INFERRED FROM THE 10830 ANGSTROM SOLAR IMAGE. THE INFERRED HOLE IS SEEN AT ABOUT N20E40 ON THE SOLAR DISK.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED WITH POSSIBLE BRIEF ACTIVE PERIODS.

III. EVENT PROBABILITIES 26 JUL-28 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUL 069

PREDICTED 26 JUL-28 JUL 070/071/072

90 DAY MEAN 25 JUL 071

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JUL 016/018

ESTIMATED AFR/AP 25 JUL 015/015

PREDICTED AFR/AP 26 JUL-28 JUL 010/010-010/015-008/015

SOLTERWARN

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