

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/31/86 00:00:00

End : 01/31/86 23:59:00

01/31 22:00

2137

053 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 031

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY WAS AT VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4711 (S07E65) HAS PRODUCED SEVERAL SMALL XRAY BURSTS ALONG WITH SOME SMALL RADIO BURSTS. NOTHING ABOUT THIS REGION HAS YET SUGGESTED THAT IT IS A THREAT FOR PRODUCING SIGNIFICANT FLARE ACTIVITY. ITS SPOT GROUP REMAINS AN H TYPE GROUP WITH SEVERAL SATELLITE SPOTS. THE FAINT TO MODERATELY BRIGHT H-ALPHA PLAGE HAS AN ADF BUT THE REGION IS BASICALLY STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 3 DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 3 DAYS. POSSIBLE STORM CONDITIONS MAY OCCUR IN NIGHTTIME SECTORS AS THE FIELD RESPONDS TO RECENT FILAMENT DISRUPTIONS.

III. EVENT PROBABILITIES 01 FEB-03 FEB

CLASS M 05/05/05

CLASS X 01/01/01

TON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 JAN 079

PREDICTED 01 FEB-03 FEB 081/083/083

90 DAY MEAN 31 JAN 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 JAN 014/018

ESTIMATED AFR/AP 31 JAN 011/020

PREDICTED AFR/AP 01 FEB-03 FEB 014/020-012/020-012/020

SOLTERWARN

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