

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/30/86 00:00:00

End : 01/30/86 23:59:00

01/30 22:00

2134

DS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 030

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 JAN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. AN INCREASE IN RADIO NOISE AND XRAY EMISSION HAS BEEN NOTED IN RESPONSE TO THE APPEARANCE OF AN H TYPE SPOT ON THE EAST LIMB. THIS SPOT IS NUMBERED 4711 (S08E77). IT APPEARS TO BE FULLY ON THE DISK AT THIS TIME AND THUS FAR DOES NOT EXHIBIT ANY COMPLEX CHARACTERISTICS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL FOR THE NEXT THREE DAYS. AN INCREASE IN THE OCCURRENCE OF SMALL FLARES CAN BE EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS. STORM CONDITIONS WERE OCCASIONALLY OBSERVED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT UNSETTLED TO ACTIVE LEVELS WITH NIGHTTIME STORM CONDITIONS AS A RESULT OF FILAMENT DISRUPTIONS ON 27 AND AGAIN ON 29 JANUARY.

III. EVENT PROBABILITIES 31 JAN-02 FEB

SS M 05/05/05

SS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JAN 076

PREDICTED 31 JAN-02 FEB 079/081/083

90 DAY MEAN 30 JAN 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 JAN 016/020

ESTIMATED AFR/AP 30 JAN 015/015

PREDICTED AFR/AP 31 JAN-02 FEB 014/020-014/020-012/020

SOLTERWARN

BT

NNNN

<003>