

HFUS 3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 303

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. THERE ARE ONLY TWO REGIONS ON THE DISK. REGION 4350 (S19W21) A B-TYPE SPOT GROUP AND REGION 4351 (S16E47) AN A-TYPE SPOT GROUP. BOTH APPEAR TO BE STABLE. NO NEW REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW FOR THE NEXT TWO DAYS. IT SHOULD THEN INCREASE TO LOW OR EVEN MODERATE LEVELS ON THE THIRD DAY DUE TO THE RETURNING ACTIVE CARRINGTON LONGITUDES 70-90 DEGREES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY ACTIVE WITH SHORT PERIODS OF MINOR STORM LEVEL CONDITIONS. THIS ACTIVITY IS POSSIBLY DUE TO THE IMPACT OF CORONAL HOLE STREAMS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN ACTIVE FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD AND THEN RETURN TO UNSETTLED LEVELS ON THE THIRD DAY.

III. EVENT PROBABILITIES 31 OCT-02 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 OCT 094

PREDICTED 31 OCT-02 NOV 098/100/104

90 DAY MEAN 30 OCT 115

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 OCT 027/039

ESTIMATED AFR/AP 30 OCT 025/025

~~PREDICTED AFR/AP 31 OCT-02 NOV 020/025-015/020-012/015-~~

SOLTERWARN

BT