

HFUS 3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 304

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD.

REGION 4350 (S19W35) HAS GROWN SLIGHTLY IN WHITE LIGHT BUT CONTINUES TO BE QUITE STABLE. REGION 4351 (S16E34) IS NOW SPOTLESS AND YET STILL PRODUCED A C6/1B HYDER FLARE. THE FILAMENTS ASSOCIATED WITH THIS REGION SUBSEQUENTLY DISAPPEARED AS A RESULT OF THE ACTIVITY. NO NEW REGIONS WERE NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE TO BE VERY LOW. HIGHER ACTIVITY IS POSSIBLE DUE TO THE RETURN OF ACTIVE CARRINGTON LONGITUDES 70-90 ON THE SECOND DAY OF THE FORECAST PERIOD OR CONTINUED GROWTH IN REGIONS 4350 AND 4351.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THROUGHOUT THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD CONTINUE ACTIVE THROUGH THE FIRST DAY OF THE FORECAST PERIOD AND THEN SUBSIDE TO UNSETTLED LEVELS THE LAST TWO DAYS.

III. EVENT PROBABILITIES 01 NOV-03 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 094

PREDICTED 01 NOV-03 NOV 098/103/107

90 DAY MEAN 31 OCT 115

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 OCT 016/022

ESTIMATED AFR/AP 31 OCT 015/015

PREDICTED AFR/AP 01 NOV-03 NOV 015/020-012/015-014/020

SOLTERWARN

BT