

HFUS 3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTE , BOULDER, COLORADO

SDF NUMBER 302

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE TWO SPOTTED REGIONS 4350 (S17W02) AND 4351 (S16E56) ARE SMALL AND STABLE. ALL H ALPHA PLAGES ARE SCATTERED AND DIM.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT ACTIVE TO MINOR STORM LEVELS. RECURRENCE IS THOUGHT TO BE THE SOURCE OF THIS ACTIVITY.

III. EVENT PROBABILITIES 30 OCT-01 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 OCT 091

PREDICTED 30 OCT-01 NOV 095/098/102

90 DAY MEAN 29 OCT 116

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 OCT 014/013

ESTIMATED AFR/AP 29 OCT 032/037

PREDICTED AFR/AP 30 OCT-01 NOV 020/020-020/025-020/020

SOLTERWARN

BT