

HFUS 3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 319

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. ONLY MINOR CHANGES ARE OCCURRING IN REGIONS 4360 (S13W18) AND 4361 (S15E21). REGIONS 4364 (S11E16) AND 4365 (N22E30), BOTH SIMPLE EMERGING FLUX REGIONS, WERE ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN ACTIVE. ISEE-3 RECORDED A QUICK JUMP IN SOLAR WIND SPEED NEAR 1320Z TODAY. SINCE THEN, VELOCITIES HAVE BEEN IN THE 650-750 KM/SEC RANGE.

III. EVENT PROBABILITIES 16 NOV-18 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 NOV 093

PREDICTED 16 NOV-18 NOV 094/094/094

90 DAY MEAN 15 NOV 109

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 NOV 020/029

ESTIMATED AFR/AP 15 NOV 017/020

PREDICTED AFR/AP 16 NOV-18 NOV 017/020-017/020-015/020

SOLTERWARN

BT