

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 322

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 NOV 1984

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS. ALL CURRENT DISK REGIONS ARE SIMPLE SMALL GROUPS AND STABLE AT THIS TIME.

A NEW REGION APPEARED JUST NORTH EAST OF OLD 4593 EARLY TODAY AND HAS BEEN NUMBERED 4596 (N08W50) THIS REGION APPEARS AS THE BRIGHTEST AREA CURRENTLY ON THE VISIBLE DISK.

I B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THIS FORECAST PERIOD.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY AT ACTIVE TO MINOR STORM CONDITIONS AT THE MID LATITUDE SITES WHILE THE HIGH LATITUDE SITES WERE AT OR NEAR MAJOR STORM LEVELS DURING THE PAST 24 HOURS.

II B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY AT MINOR STORM LEVELS AT BOTH THE MID AND HIGH LATITUDE SITES DURING THE FIRST 48 HOURS OF THIS FORECAST PERIOD. SHORT PERIODS OF MAJOR STORM CONDITIONS ARE POSSIBLE THROUGH OUT THIS FORECAST PERIOD GENERALLY DURING THE NIGHTTIME SECTORS.

III. EVENT PROBABILITIES 18 NOV-20 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 NOV 073

PREDICTED 18 NOV-20 NOV 073/073/073

90 DAY MEAN 17 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 NOV 080/112

ESTIMATED AFR/AP 17 NOV 033/045

PREDICTED AFR/AP 18 NOV-20 NOV 030/035-025/030-020/025

SOLTERWARN

BT