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HFUS3 BOU 152200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 289
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 2200Z 15 OCT 1984
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100
TO 15/2100Z: ALTHOUGH ACTIVITY HAS BEEN VERY LOW. THERE HAS BEEN
DRAMATIC DEVELOPEMENT IN WHAT WAS LABLED A SIMPLE PLAGE REGION
YESTERDAY. THIS REGION, 4586 (NØ5E53), CONTAINS A D-TYPE SPOT
GROUP. THIS REGION HAS EXHIBITED STRONG ARCH FILAMENT SYSTEMS
AND NUMEROUS POINT BRIGHTENINGS THROUGHOUT THE DAY. THIS REGION
ALSO PRODUCED AN OPTICAL SUBFLARE AT 1149UT. CURRENTLY THIS IS
THE ONLY SPOTTED REGION ON THE DISK.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REMAIN AT VERY LOW LEVELS. THE ONLY REGION CAPABLE OF POSSIBLY
PRODUCING A SIGNIFICANT EVENT IS REGION 4586.
IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY UNSETTLED LEVELS
DURING THE LAST 24 HOURS.
IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN AT UNSETTLED LEVELS ON THE 16TH OF OCTOBER.
THE FIELD SHOULD THEN BECOME ACTIVE ON THE 17TH DUE TO A
RECURRENT PATTERN THAT HAS SET UP OVER THE LAST THREE
ROTATIONS. ON THE 18TH OF OCTOBER THE GEOMAGNETIC FIELD IS
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ANTICIPATED TO STABILIZE TO UNSETTLED LEVELS AT MIDDLE LATITUDES. BUT REMAIN AT ACTIVE LEVELS AT HIGH LATITUDES.

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PREDICTED AFR/AP 16 OCT-18 OCT 013/015-019/025-013/020

III. EVENT PROBABILITIES 16 OCT-18 OCT

PREDICTED 16 OCT-18 OCT 078/079/080

90 DAY MEAN 15 OCT 080

OBSERVED AFR/AP 14 OCT 012/013 ESTIMATED AFR/AP 15 OCT 010/015

CLASS M 01/01/01 CLASS X 01/01/01 PROTON 01/01/01 PCAF GREEN

SOLTERWARN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 15 OCT

V. GEOMAGNETIC A INDICES