

HFUS 3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 318

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. REGIONS 4362 (S06W01) AND 4363 (S08E21) WERE ADDED TODAY. HOWEVER, ALL SIX SPOTTED DISK REGIONS ARE SIMPLE IN STRUCTURE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO STORM LEVEL.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE VARIABLE, BUT GENERALLY AT AN ACTIVE LEVEL, THROUGH THE FORECAST PERIOD. ANOTHER CORONAL HOLE WILL IMPACT THE EARTH ON 16 NOVEMBER. THIS HOLE IS AT N10 BUT HAS LOBES PROTRUDING TO THE EQUATOR. THIS FEATURE EXTENDS OVER 65 DEGREES OF LONGITUDE - 5 ROTATION DAYS.

III. EVENT PROBABILITIES 15 NOV-17 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 NOV 093

PREDICTED 15 NOV-17 NOV 094/096/096

90 DAY MEAN 14 NOV 109

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 NOV 019/027

ESTIMATED AFR/AP 14 NOV 021/035

PREDICTED AFR/AP 15 NOV-17 NOV 014/015-017/015-017/020

SOLTERWARN

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