

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 014

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 4616 (S07W07) **REMAINES** THE ONLY SPOTTED REGION ON THE DISK. IT IS NOW A DAI GROUP WITH A BETA MAGNETIC CLASSIFICATION AND A MAGNETIC GRADIENT OF .26. ITS WHITE LIGHT AREA IS 110 MILLIONTHS OF THE SOLAR DISK. THIS REGION PRODUCED SEVERAL SUB FAINT FLARES DURING THIS PERIOD. THE LARGEST XRAY EVENT WAS A B8 WITH XRAY MAX AT 14/1604Z. THIS EVENT WAS CORRELATED WITH REGION 4616 BUT THE INTENSITY AND AREA OF THE FLARE WAS NOT DETERMINED DUE TO CLOUDS AT THE OBSERVATORIES. NO NEW REGIONS WERE NUMBERED TODAY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH SOME ISOLATED MINOR STORM LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGHOUT THE PERIOD.

III. EVENT PROBABILITIES 15 JAN-17 JAN

CLASS M 05/05/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JAN 075

PREDICTED 15 JAN-17 JAN 074/073/072

90 DAY MEAN 14 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 JAN 014/013

ESTIMATED AFR/AP 14 JAN 010/015

PREDICTED AFR/AP 15 JAN-17 JAN 010/015-007/010-007/015

SOLTERWARN

BT