

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 013

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. THERE IS ONE REGION NOW ON THE DISK. THIS IS REGION 4616 (S07E06) A SMALL DSI GROUP WITH A BETA MAGNETIC CONFIGURATION THAT WAS NUMBERED TODAY. A C2 XRAY EVENT WITH XRAY MAX TIME OF 1836 WAS THE LARGEST EVENT OF THE PERIOD. CLOUDS AND EQUIPMENT PROBLEMS AT THE OBSERVATORIES PREVENTED OPTICAL CORRELATION.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE ON THE FIRST TWO DAYS AND UNSETTLED TO QUIET ON THE THIRD DAY OF THE FORECAST.

III. EVENT PROBABILITIES 14 JAN-16 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JAN 075

PREDICTED 14 JAN-16 JAN 075/074/073

90 DAY MEAN 13 JAN 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JAN 017/018

ESTIMATED AFR/AP 13 JAN 017/020

PREDICTED AFR/AP 14 JAN-16 JAN 010/020-010/015-007/010

SOLTERWARN

BT