

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 032

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 FEB 1985.

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. REGION 4622 (S14 W49) EMERGED TODAY. IT IS CURRENTLY A SMALL BETA SPOT GROUP WITH STRONG AFS. REGION 4620 (S14 W16) HAS DECLINED AND THIS AREA MAY NOW BE SPOTLESS. MINOR GROWTH HAS BEEN REPORTED IN REGION 4621 (N18 W16), THE ONLY OTHER SPOTTED REGION VISIBLE TODAY. THE FILAMENT NEAR N22 E05 WHICH WAS DISAPPEARING YESTERDAY (SEE SDF 031) HAS COMPLETELY DISAPPEARED. LIMBS APPEAR QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED. BRIEF ACTIVE PERIODS WERE OBSERVED BETWEEN 0900UT AND 1500UT, ESPECIALLY AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE EARLY IN THE FORECAST PERIOD. RECCURENCE WOULD INDICATE THAT ACTIVE CONDITIONS SHOULD BEGIN AROUND 4 FEB.

III. EVENT PROBABILITIES 02 FEB-04 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 FEB 074

PREDICTED 02 FEB-04 FEB 074/074/074

90 DAY MEAN 01 FEB 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 JAN 015/017

ESTIMATED AFR/AP 01 FEB 012/015

PREDICTED AFR/AP 02 FEB-04 FEB 010/015-010/015-018/020

SOLTERWARN

BT