

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 044

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 FEB 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4626 (S10E14) IS STILL THE ONLY SPOTTED REGION ON THE DISK ALTHOUGH REGION 4624 HAS OCCASIONALLY HAD SPOTS DURING THE DAY. REGION 4626 REMAINS STABLE IN ITS GROWTH PATTERNS AND THE PLAGE IS QUITE DIM IN H ALPHA LIGHT. THE FILAMENT NEAR S20 E30 CONTINUES ACTIVE WHILE THE REST OF THE DISK IS QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 14 FEB-16 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 FEB 073

PREDICTED 14 FEB-16 FEB 073/073/073

90 DAY MEAN 13 FEB 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 FEB 009/014

ESTIMATED AFR/AP 13 FEB 007/010

PREDICTED AFR/AP 14 FEB-16 FEB 007/010-010/015-010/015

SOLTERWARN

BT