

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 037

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 06 FEB 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION 4410 (S09E36) NOW THE LARGEST REGION ON THE DISK APPEARS TO HAVE STABILIZED IN GROWTH BUT MAY HAVE INCREASED SLIGHTLY IN COMPLEXITY. THE H-ALPHA PLAGE IS QUITE BRIGHT AND WELL STRUCTURED. SEVERAL REGIONS HAVE SHOWN SOME 24 GROWTH BUT ALL EXCEPT 4410 ARE SIMPLE ALPHA OR BETA TYPES IN MAGNETIC STRUCTURE. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: 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 THE NEXT THREE DAYS. THESE CONDITIONS ARE BASICALLY A REFLECTION OF THE RECURRENCE PATTERN.

III. EVENT PROBABILITIES 07 FEB-09 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 FEB 115

PREDICTED 07 FEB-09 FEB 111/108/106

90 DAY MEAN 06 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 FEB 011/017

ESTIMATED AFR/AP 06 FEB 007/013

PREDICTED AFR/AP 07 FEB-09 FEB 012/015-012/015-010/010

SOLTERWARN

BT