

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 219

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 07 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. A SMALL NEW REGION EMERGED TO THE SOUTH OF OLD 4680 AND IS NUMBER 4686 (N02W73). IT HAS A COMPACT INTENSITY 2-3 H-ALPHA PLAGE WITH A B TYPE SPOT GROUP AND AN ARCH FILAMENT SYSTEM. REGION 4682 (S15W63) IS PRODUCING OCCASIONAL SUBFLARE ACTIVITY AS IT APPROACHES THE WEST LIMB. REGION 4685 (N03W22) DID NOT SURVIVE THE NIGHT. PROMINENCE ACTIVITY ON THE SOUTHWEST LIMB IS THE ONLY OTHER ACTIVITY NOTED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED TO ACTIVE AS A RESULT OF FILAMENT DISRUPTIONS.

III. EVENT PROBABILITIES 08 AUG-10 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 AUG 077

PREDICTED 08 AUG-10 AUG 077/077/076

90 DAY MEAN 07 AUG 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 AUG 003/007

ESTIMATED AFR/AP 07 AUG 005/009

PREDICTED AFR/AP 08 AUG-10 AUG 010/020-010/015-010/015

SOLTERWARN

BT