

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 216

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 AUG 1985

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. NEW SPOTS HAVE EMERGED IN THE TRAILER PORTION OF REGION 4680 (N06W41) WHICH IS AN ELONGATED BIPOLE. FILAMENT ACTIVITY HAS BEEN NOTED NEAR REGION 4682 (S15W22) WHILE THE REGION PROPER HAS BEEN STABLE. NO FLARE ACTIVITY WAS OBSERVED.

I B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. BOTH OF THE REGIONS CURRENTLY VISIBLE ARE SIMPLE AND BENIGN.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THROUGHOUT THE PERIOD.

II B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS. AN INCREASE IN ACTIVITY IS MOST LIKELY TO OCCUR AUGUST SIXTH IN RESPONSE TO DISAPPEARING FILAMENTS.

III. EVENT PROBABILITIES 05 AUG-07 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 077

PREDICTED 05 AUG-07 AUG 077/077/076

90 DAY MEAN 04 AUG 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 AUG 008/010

ESTIMATED AFR/AP 04 AUG 010/013

PREDICTED AFR/AP 05 AUG-07 AUG 010/015-015/025-010/015

SOLTERWARN

BT