

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 065

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAR 1983

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY CONTINUED LOW DURING THIS PERIOD. THE LARGEST EVENT OBSERVED DURING THE PAST 24 HOURS WAS A C5/1N AT 06/0718UT FROM REGION 4102 (S14W23) MINOR RADIO, 63 FLUX UNITS AT 2695MHZ, WAS OBSERVED WITH THIS EVENT. REGIONS 4103 (S13W76) AND 4104 (S18W14) ARE REPORTED TO HAVE POINT BRIGHTNINGS. THE REST OF THE REGIONS ARE STABLE OR SLIGHTLY DECAYED FROM YESTERDAY. NO NEW REGIONS OBSERVED TODAY.

I B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DURING THIS FORECAST PERIOD. REGIONS 4102, 4104 (S18W14) AND 4105 (S09W33) HAVE THE BEST POTENTIAL FOR "M" CLASS ACTIVITY HOWEVER THEY ARE SIMPLE MAGNETICALLY. RETURNING REGIONS WERE SIMPLE LAST ROTATION AND LITTLE CHANGE IN THEM IS EXPECTED.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS UNTIL 06/0430UT WHEN THE FIELD WENT QUIET TO UNSETTLED FOR 12 HOURS THEN UNSETTLED TO ACTIVE FOR THE REST OF THE PERIOD.

II B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED, DUE TO LACK OF ANY MAJOR FLARE, FILAMENT WHICH DISAPPEARED OR CORONAL HOLE, TO BE GENERALLY UNSETTLED TO ACTIVE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 MAR-09 MAR

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAR 141

PREDICTED 07 MAR-09 MAR 138/134/129

90 DAY MEAN 06 MAR 153

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 MAR 030/028

ESTIMATED AFR/AP 06 MAR 012/020

PREDICTED AFR/AP, 07 MAR-09 MAR, 012/015-012/015-012/015

SOLTERWARN

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