

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY WAS LOW THIS PERIOD. REGION 4328 (N07E22) IS STILL THE DOMINANT SPOT GROUP ON THE DISK AND HAS CONTRIBUTED A C1/SN FLARE. THIS REGION HAS BEEN DECAYING SLIGHTLY BUT STILL MAINTAINS ITS E TYPE SPOT GROUP

CLASSIFICATION AND BETA GAMMA MAGNETIC CONFIGURATION. ALL OTHER GROUPS ON THE DISK APPEAR STABLE AT THIS TIME. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4333 (S09E65), A D TYPE SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW WITH ISOLATED M CLASS X-RAY FLARES POSSIBLE FROM REGION 4328.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THIS PERIOD. THE ACTIVE CONDITIONS, THAT STARTED AT APPROXIMATELY 1500Z, ARE DUE TO THE INFLUENCE OF A CORONAL HOLE THAT WAS AT CENTRAL MERIDIAN ON 3 OCTOBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE ACTIVE THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 40/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 133

PREDICTED 07 OCT-09 OCT 136/137/137

90 DAY MEAN 06 OCT 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCT 009/011

ESTIMATED AFR/AP 06 OCT 021/015

PREDICTED AFR/AP 07 OCT-09 OCT 015/015-015/015-015/015

SOLTERWARN

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