

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 066

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. REGION 4429 (S14E43) HAS BEEN THE MOST PRODUCTIVE SPOT GROUP ON THE DISK, PRODUCING ONE C LEVEL X-RAY FLARE AND SEVERAL OPTICAL SUBFLARES. THIS REGION HAS GROWN SLIGHTLY IN WHITE LIGHT BUT MAINTAINS A C TYPE SPOT CLASSIFICATION. REGIONS 4430 (S09E20) AND 4431 (S09E34) ARE D AND C TYPE SPOT GROUPS, RESPECTIVELY. THEY APPEAR STABLE AT THIS TIME. NO NEW REGIONS WERE NUMBERED AND THE REMAINDER OF THE DISK REMAINS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO ACTIVE LEVELS AT MIDLATITUDES AND ACTIVE TO STORM LEVELS AT HIGH LATITUDES THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE TO MINOR STORM LEVELS, AT ALL LATITUDES, ON THE FIRST DAY OF THE FORECAST PERIOD. THE FINAL TWO DAYS OF THE PERIOD, MAGNETIC LEVELS SHOULD BE UNSETTLED AT MIDLATITUDES AND ACTIVE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 07 MAR-09 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAR 111

PREDICTED 07 MAR-09 MAR 111/111/110

90 DAY MEAN 06 MAR 119

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 05 MAR 003/006

ESTIMATED AFR/AP 06 MAR 017/020

PREDICTED AFR/AP 07 MAR-09 MAR 015/040-010/020-012/015

SOLTERWARN

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