

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 339

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 DEC 1984

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4602 (N18W45) HAS EXHIBITED MINOR GROWTH IN AREA AND NUMBER OF SPOTS, BUT THAT IS ALL. THE MAGNETIC CONFIGURATION OF THE SPOT GROUP IS ONLY A SIMPLE BETA, AND THE NEUTRAL LINE EXHIBITS A STABLE NORTH TO SOUTH ORIENTATION. THERE WERE NO NEW REGIONS NUMBERED TODAY.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. PROBABILITIES FOR M-LEVEL XRAY EVENTS HAVE BEEN INCREASED SLIGHTLY DUE TO AREA GROWTH IN REGION 4602.

II.A. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH ISOLATED MINOR STORM LEVELS AT ALL LATITUDES DURING THE PAST 24 HOURS. THIS ACTIVITY COULD POSSIBLY BE RELATED TO AN EIGHT DEGREE FILAMENT THAT ERUPTED ON THE 30TH OF NOVEMBER NEAR CARRINGTON LONGITUDE 35.

II.B. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 05 DEC-07 DEC

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 DEC 078

PREDICTED 05 DEC-07 DEC 080/082/081

90 DAY MEAN 04 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 DEC 015/023

ESTIMATED AFR/AP 04 DEC 017/025

PREDICTED AFR/AP 05 DEC-07 DEC 017/020-013/015-015/015

SOLTERWARN

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