

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 131

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4652 (S13E24) IS CURRENTLY A DK1 TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THIS REGION HAS SHOWN GROWTH IN AREA AND CONTINUES TO PRODUCE AN OCCASIONAL OPTICAL SUBFLARE, RADIO BURST AND LOW LEVEL X-RAY ACTIVITY. REGION 4653 (N08E37) IS A BX0 TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION AND REGION 4649 (N07W75) IS CURRENTLY AN ALPHA-TYPE GROUP. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. REGION 4652 STILL HAS POTENTIAL FOR PRODUCING LOW LEVEL ENERGETIC EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED FOR THE PAST 24 HOURS WITH ISOLATED PERIODS OF ACTIVE CONDITIONS AT HIGH LATITUDES DURING NIGHTTIME SECTORS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE CONDITIONS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 12 MAY-14 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 MAY 088

PREDICTED 12 MAY-14 MAY 088/088/088

90 DAY MEAN 11 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 MAY 005/008

ESTIMATED AFR/AP 11 MAY 010/010

PREDICTED AFR/AP 12 MAY-14 MAY 008/015-008/015-008/015

SOLTERWARN

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