

HFUS 3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 135

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 MAY 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 24 HOURS. REGION 4481 (N07W30), ALTHOUGH STILL LARGE AND COMPLEX, CONTINUES TO DECAY AND IS ONLY PRODUCING AN OCCASIONAL C CLASS FLARE. REGION 4485 (S12W26), WHICH APPEARED TO BE DEVELOPING TOWARD A SIGNIFICANT FLARE PRODUCER YESTERDAY, HAS CEASED TO GROW AND IS A STABLE, MODERATE SIZE D TYPE GROUP TODAY. NONE OF THE OTHER DISK FEATURES APPEAR DYNAMIC EITHER. REGION 4490 (S14E70) ROTATED OVER THE EAST LIMB THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL FOR THE NEXT 24 HOURS. NO REGIONS ARE DUE TO RETURN FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 72 HOURS AS IT BASICALLY FOLLOWS THE RECURRENCE PATTERN.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 50/40/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 144

PREDICTED 15 MAY-17 MAY 145/145/147

90 DAY MEAN 14 MAY 130

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 MAY 008/013

ESTIMATED AFR/AP 14 MAY 013/015

PREDICTED AFR/AP 15 MAY-17 MAY 010/020-012/020-012/020

SOLTERWARN

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