

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 212

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4549 (S17W33) MANAGED TO PRODUCE A 1N FLARE AT 301743Z (MAX) BUT ITS XRAY OUTPUT DIDN'T EVEN REACH C LEVEL. A SMALL REGION ,4552 (S16E65) HAS ROTATED OVER THE EAST LIMB BUT SO FAR APPEARS SIMPLE AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR AT LEAST THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED DURING THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 31 JUL-02 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUL 080

PREDICTED 31 JUL-02 AUG 081/082/083

90 DAY MEAN 30 JUL 106

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 JUL 012/014

ESTIMATED AFR/AP 30 JUL 010/015

PREDICTED AFR/AP 31 JUL-02 AUG 014/015-012/015-010/015

SOLTERWARN

BT