

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 197

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24 HOURS. ALL DISK REGIONS HAVE BEEN OBSERVED AS STABLE THIS PERIOD. ONE NEW REGION WAS NUMBERED TODAY 4542 (S15W07) AS A SIMPLE B TYPE GROUP OF 2 SPOTS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO VERY LOW DURING THIS FORECAST PERIOD. CURRENT DISK REGIONS AND OLD RETURNING REGIONS DO NOT APPEAR CAPABLE OF PRODUCING ENERGETIC FLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE CONDITIONS WITH SHORT PERIODS OF MINOR STORM CONDITIONS DURING THE PAST 24 HOURS. THE FIELD HAS BEEN SLIGHTLY MORE STABLE DURING THE PAST 6 HOURS AS THE EFFECTS OF THE CORONAL HOLE APPEAR TO BE TAPERING OFF.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE TO STABILIZE OVER THE NEXT 30 HOURS REACHING UNSETTLED CONDITIONS LATE ON 16 OR EARLY 17 JULY.

III. EVENT PROBABILITIES 16 JUL-18 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUL 089

PREDICTED 16 JUL-18 JUL 090/090/090

90 DAY MEAN 15 JUL 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 JUL 043/048

ESTIMATED AFR/AP 15 JUL 022/030

PREDICTED AFR/AP 16 JUL-18 JUL 025/025-020/020-010/015

SOLTERWARN

BT