

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 159

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. REGION 4508 (N05E10) HAS CEASED ITS GROWTH TREND AND MAY HAVE DECAYED SLIGHTLY. IT REMAINS A TYPE C SPOT GROUP. REGION 4500 (S13W90) HAS ABOUT COMPLETED WEST LIMB PASSAGE WITH ONLY SMALL LIMB SURGES ACCOMPANYING ITS PASSAGE. A SMALL NEW REGION MAY BE DEVELOPING NEAR N05W27.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. OLD REGION 4495 IS DUE BACK ON THE DISK TOMORROW WITHOUT AFFECTING THE LEVEL OF ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE FOR THE NEXT THREE DAYS. THE FIELD SHOULD BASICALLY FOLLOW THE RECURRENCE PATTERN.

III. EVENT PROBABILITIES 08 JUN-10 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JUN 095

PREDICTED 08 JUN-10 JUN 094/092/092

90 DAY MEAN 07 JUN 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JUN 015 017

ESTIMATED AFR/AP 07 JUN 015/020

PREDICTED AFR/AP 08 JUN-10 JUN 017/020-015/015-012/015

SOLTERWARN

BT