

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 099

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 APR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY IS LOW. A C-4 XRAY BURST AT 090620UT FROM UNKNOWN SOURCES IS THE LARGEST EVENT OBSERVED DURING THE PAST 24 HOURS. NONE OF THE VISIBLE REGIONS HAVE MADE ANY DRAMATIC CHANGES ALTHOUGH REGION 4140 (S08E34) HAS DEVELOPED INTO A TYPE C GROUP VS AN H TYPE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW. OLD REGION 4116 SHOULD BE REAPPEARING BUT ONLY FAINT PLAGE IS VISIBLE IN THE SOUTHEAST SO FAR.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED TO ACTIVE CONDITIONS SHOULD DOMINATE THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 10 APR-12 APR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APR 106

PREDICTED 10 APR-12 APR 103/103/106

90 DAY MEAN 09 APR 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 APR 021/027

ESTIMATED AFR/AP 09 APR 014/015

PREDICTED AFR/AP 10 APR-12 APR 015/020-015/020-014/015

SOLTERWARN

BT