

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 247

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL FOR THE PAST 24 HOURS. NO SPOTTED REGIONS WERE OBSERVED ON THE DISK AND THE LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A VERY LOW LEVEL FOR THE NEXT 72 HOURS. BARRING THE DEVELOPMENT OF ANY NEW REGIONS THERE IS LITTLE CHANCE OF ANY INCREASE IN ACTIVITY DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT 72 HOURS. THERE IS A ~~SLIGHT~~ CHANCE THAT ACTIVITY LEVELS MAY SLOWLY INCREASE IN RESPONSE TO THE EFFECTS ON THE FIELD OF SEVERAL DISAPPEARING FILAMENTS OF 01-02 SEPTEMBER.

III. EVENT PROBABILITIES 05 SEP-07 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 SEP 072

PREDICTED 05 SEP-07 SEP 072/072/073

30 DAY MEAN 04 SEP 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 SEP 004/009

ESTIMATED AFR/AP 04 SEP 004/008

PREDICTED AFR/AP 05 SEP-07 SEP 008/015-010/015-008/015

SOLTERWARN

BT