

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 180

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4670 (S09E65) REMAINS THE ONLY SPOTTED REGION ON THE DISK AND IS CURRENTLY AN H-TYPE SPOT GROUP. IT CONTINUES TO GROW SLOWLY EXHIBITING OCCASIONAL POINT BRIGHTENINGS. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. ENHANCEMENT IN THE X-RAY BACKGROUND FLUX AND 10 CM SOLAR RADIO FLUX IS STILL POSSIBLE WITH THE PRESENCE OF REGION 4670 AND THE EXPECTANT RETURNING COMPLEXED REGIONS MENTIONED YESTERDAY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE THE PAST 24 HOURS. MINOR STORM CONDITIONS WERE OBSERVED AT ALL LATITUDES DURING NIGHTTIME SECTORS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE SLIGHTLY ACTIVE FOR THE NEXT 48 HOURS WITH UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS EXPECTED FOR THE SUBSEQUENT 24 HOURS. THIS ACTIVITY IS FORECAST BASED ON THE CUMMULATIVE EFFECTS OF THE DISAPPEARING FILAMENTS FROM 26 JUNE AND 28 JUNE ALONG WITH CORONAL HOLE DISTURBANCE.

III. EVENT PROBABILITIES 30 JUN-02 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUN 070

PREDICTED 30 JUN-02 JUL 072/073/075

90 DAY MEAN 29 JUN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUN 021/025

ESTIMATED AFR/AP 29 JUN 019/019

PREDICTED AFR/AP 30 JUN-02 JUL 015/020-015/020-010/015

SOLTERWARN

BT