

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 183

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 JUL 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4671 (S14E57) PRODUCED A C1/0N EVENT AT 2/1138Z. IT WAS A DAO/BETA (WHITE LIGHT CLASSIFICATION/MAGNETIC TYPE). A SIX DEGREE LONG FILAMENT DISAPPEARED FROM THIS REGION AT 2/0051Z, IN CLOSE TIME COINCIDENCE WITH A B3/0F FLARE OF REGION 4670 (S07E30) AT 2/0051Z. REGION 4670 WAS ALSO A DAO/BETA. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4671 PROVIDES A VERY SLIGHT CHANCE OF SIGNIFICANT ACTIVITY (M-LEVEL X-RAYS).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE. MINOR STORM CONDITIONS ARE EXPECTED AT HIGH LATITUDES LATE ON 3 JUL UNTIL 5 JUL IN RESPONSE TO A COMBINATION OF THREE EVENTS: THE BRIGHT SURGING ON THE EAST LIMB AT S10 ON 27 JUN WITH AN ASSOCIATED TYPE II RADIO SWEEP, A EIGHT DEGREE LONG DISAPPEARING FILAMENT FROM S12W66 ON 30 JUN, AND THE HIGH SPEED/LOW DENSITY ISOLATED CORONAL HOLE STREAM FROM AN APPROXIMATELY 40 SQ.DEG. NEGATIVE HOLE CENTERED AT CENTRAL MERIDIAN AND N10 ON 1 JUL.

III. EVENT PROBABILITIES 03 JUL-05 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUL 082

PREDICTED 03 JUL-05 JUL 084/086/087

90 DAY MEAN 02 JUL 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 JUL 015/018

ESTIMATED AFR/AP 02 JUL 005/011

PREDICTED AFR/AP 03 JUL-05 JUL 017/020-022/030-018/020

SOLTERWARN

BT