

HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 186

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST FLARE WAS A C4/1B FROM REGION 4235 (S20E22) WITH AN XRAY MAXIMUM TIME OF 05/0700Z. THIS REGION NO LONGER HAS A MAGNETIC DELTA, AND IS NOW A BETA-GAMMA GROUP. ARCHED FILAMENT SYSTEMS WERE VISIBLE FOR PORTIONS OF THIS PERIOD IN REGIONS 4235, 4236 (S12E40), AND 4227 (S09W59). REGION 4227 HAS CONTINUED TO DECREASE IN WHITE LIGHT AREA AND IS NOW A SMALL A GROUP. THERE WERE NOT ANY REGIONS NUMBERED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BECOME ACTIVE TOMORROW IN RESPONSE TO A CORONAL HOLE THAT NOW HAS ITS LEADING EDGE AT W 60. SOME MINOR STORM LEVELS ARE POSSIBLE ON THE 7TH, AND THEN ACTIVE TO UNSETTLED CONDITIONS SHOULD RETURN ON THE 8TH.

III. EVENT PROBABILITIES 06 JUL-08 JUL

CLASS M 25/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUL 128

PREDICTED 06 JUL-08 JUL 135/140/135

90 DAY MEAN 05 JUL 133

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JUL 009/011

ESTIMATED AFR/AP 05 JUL 008/010

PREDICTED AFR/AP 06 JUL-08 JUL 015/015-020/030-010/015

SOLTERWARN

BT