

HFTS 3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 210

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 JUL 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE LARGEST OBSERVED EVENT WAS A C3/1N AT 0353UT FROM REGION 4263 (S10E57), NO RADIO WAS REPORTED WITH THIS EVENT. REGION 4267 (S21E65) PRODUCED THE ONLY OTHER OPTICAL EVENT OBSERVED TODAY A C2/SF AT 1644UT. REGION 4264 (S13W36) HAS EXHIBITED GROWTH THIS PERIOD AND IS NOW BACK UP TO A "C" CLASS REGION. THREE NEW REGIONS WERE NUMBERED TODAY 4268 (S06E67), 4269 (N13W23) AND 4270 (N17W59). THE NEW GROUPS ARE ALL SIMPLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO INCREASE TO MODERATE LEVELS DURING THIS FORECAST PERIOD AS REGION 4263 CONTINUES TO EXHIBIT GROWTH.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS AT THE MIDLATITUDES WHILE THE HIGH LATITUDE SITES HAVE HAD SHORT PERIODS OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT GENERALLY UNSETTLED LEVELS DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 30 JUL-01 AUG

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 JUL 140

PREDICTED 30 JUL-01 AUG 150/155/155

90 DAY MEAN 29 JUL 133

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JUL 015/015

ESTIMATED AFR/AP 29 JUL 015/020

PREDICTED AFR/AP 30 JUL-01 AUG 010/010-010/010-010/015

SOLTERWARN

BT