

HFUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 162

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JUN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE LARGEST EVENT OBSERVED WAS A C8/1B FROM REGION 4204 (S09W08) AT 0649UT, ONLY MINOR RADIO WAS OBSERVED WITH THIS EVENT. REGION 4204 HAS BEEN GENERALLY UNCHANGED, HOWEVER MAGNETIC DATA DOES SUGGEST A WEAKER GRADIENT BUT THE DELTA STILL EXISTS. REGION 4201 (S09W84) HAS HAD ONLY POINT BRIGHTENINGS REPORTED.

OLD REGION 4183 (N17 L162) IS DUE BACK ON 12 JUNE THIS REGION PRODUCED 25 "C" CLASS EVENTS LAST ROTATION, HOWEVER IT WAS IN THE PROCESS OF DECAY PRIOR TO ITS WEST LIMB PASSAGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT OR NEAR MODERATE LEVELS AS REGION 4204 IS EXPECTED TO CONTINUE TO PRODUCE ISOLATED "M" CLASS EVENTS FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY ACTIVE LEVELS AT BOTH THE HIGH AND MID LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE UNSETTLED WITH ONLY SHORT PERIODS OF ACTIVE LEVELS DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 12 JUN-14 JUN

CLASS M 20/20/20

CLASS X 05/05/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUN 135

PREDICTED 12 JUN-14 JUN 125/120/120

90 DAY MEAN 11 JUN 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JUN 022/035

ESTIMATED AFR/AP 11 JUN 023/020

PREDICTED AFR/AP 12 JUN-14 JUN 012/020-012/015-012/015

SOLTERWARN

BT