

FUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 152

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 JUN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. IN ADDITION TO AN M1 SUBFLARE AT 011356Z (MAX), REGION 4201 (S10E39) HAS PRODUCED SEVERAL SMALL RADIO BURSTS AND C CLASS FLARES. REGION 4201 REMAINS A BETA GAMMA DELTA AND DISPLAYS THOSE CHARACTERISTICS NORMALLY ASSOCIATED WITH LARGE COMPLEX REGIONS: POINT BRIGHTENINGS, FLUCTUATIONS, ACTIVE FILAMENTS AS WELL AS THE SMALL FLARES. REGION 4187 (S18W84) IS NEARING WEST LIMB PASSAGE BUT APPARENTLY DECAYED SIGNIFICANTLY IN ADDITION TO THE LIMB SHORTENING. THE REMAINING DISK REGIONS ARE SMALL, SIMPLE AND ARE NOT SHOWING MUCH CHANGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO ACTIVE LEVELS SINCE YESTERDAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: NO CHANGE IS EXPECTED FOR THE NEXT 24 HOURS BUT A QUIETING TREND IS EXPECTED AFTER 2 JUNE.

III. EVENT PROBABILITIES 02 JUN-04 JUN

CLASS M 75/75/75

CLASS X 107/107/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUN 128

PREDICTED 02 JUN-04 JUN 128/127/130

90 DAY MEAN 01 JUN 125

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 MAY 014/015

ESTIMATED AFR/AP 01 JUN 015/015

PREDICTED AFR/AP 02 JUN-04 JUN 015/015-010/015-010/015

SOLTERWARN

BT