

KBOU

HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 174

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 JUN 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY IS LOW. HOWEVER, SMALL RADIO, X-RAY AND SUBFLARE ACTIVITY CONTINUES TO BE NOTED. REGION 4219

(S09E33) REMAINS THE PRIME SOURCE FOR THIS ACTIVITY BUT ITS 24 HOUR GROWTH TREND HAS SHOWN A MARKED DECLINE. IT IS NO LONGER A CLASS D, BETA GAMMA TYPE BUT HAS DECAYED TO A CLASS C BETA TYPE. REGION 4216 (N17W02) HAS SHOWN THE STRONGEST GROWTH RATE BUT HAS NOT PRODUCED MUCH IN THE WAY OF FLARE ACTIVITY. REGION 4213 (S12W5RL HAS PRODUCED TWO SMALL FLARES, SHOWN GROWTH IN THE LEADER PENUMBRA AND BECOME A BETA GAMMA MAGNETICALLY. TWO NEW REGIONS WERE NUMBERED TODAY: 4222 (N12E22) AND 4223 (N04E64).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE IN THE CLASS C/SUB FLARE RANGE. THE POTENTIAL FOR M CLASS FLARES STILL EXIST.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GENERALLY UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 24 JUN-26 JUN

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JUN 145

PREDICTED 24 JUN-26 JUN 147/148/149

90 DAY MEAN 23 JUN 130

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 JUN 020/028

ESTIMATED AFR/AP 23 JUN 014/025

PREDICTED AFR/AP 24 JUN-26 JUN 012/015-012/015-015/015

SOLTERWARN

BT

NNNNZSV

NNNNZCVZGVZLVZOVZSV

NNNNZCVZGVZLVZOVZSV

NNNNZCVZGVZLVZOVZSV

NNNNZCVZGVZLVZOVZSV

NNNNZCVZGVZLVZOUU

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PREDM 02524 02525 02526

PREDX 00124 00125 00126

PREDP 00124 00125 00126

PCAF 00124

TENCM 14724 14825 14926

AFRED 01224 01225 01526

AFAPF 01524 01525 01526

BT

NNNNZSV

NNNNZCVZGVZLVZOVZSV

NNNNZCVZGVZLVZOVZSV