

HFLS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 177

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4520 (S14W29) CONTINUED TO GROW VERY SLIGHTLY. IT PRODUCED A FEW SUB-FLARES WITHOUT SIGNIFICANT X-RAY NOR RADIO EVENTS. THE WHITE-LIGHT CLASSIFICATION WAS EKO WITH 11 DEGREES LONGITUDINAL EXTENT. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4520 STILL PROVIDES A VERY SLIGHT CHANCE OF MODERATE LEVELS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE. STORM LEVELS WERE REPORTED AT HIGH LATITUDES. THE MINOR STORM GRADUAL COMMENCEMENT AT 24/0200Z ENDED AT 24/1500Z WHEN THE 3 HOURLY AP FELL BELOW 30 FOR SIX CONSECUTIVE HOURS. THE LINGERING ACTIVITY DURING THE EARLY PART OF THE PERIOD WAS ATTRIBUTED TO THE DISAPPEARING FILAMENT OF 21 JUNE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED/ACTIVE THROUGHOUT THE PERIOD AND OUTLOOK.

III. EVENT PROBABILITIES 26 JUN-28 JUN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUN 101

PREDICTED 26 JUN-28 JUN 099/097/095

90 DAY MEAN 25 JUN 122

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JUN 016/027

ESTIMATED AFR/AP 25 JUN 012/016

PREDICTED AFR/AP 26 JUN-28 JUN 012/015-011/010-014/015

SOLTERWARN