

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 167

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. REGION 4513 (S07E36) HAS PRODUCED THE MAJORITY OF THE C CLASS X-RAY EVENTS, RADIO BURSTS AND SWEEPS, AND OPTICAL SUBFLARES. THIS REGION IS STILL GROWING AND IS NOW AN E TYPE SPOT GROUP, SHOWING INCREASED COMPLEXITY. REGIONS 4509 (S12W32) AND 4511 (S08E04) ARE SLOWLY DECAYING. REGION 4514 (S05E65) HAS REMAINED STABLE. TWO NEW REGIONS WERE NUMBERED THIS PERIOD, 4515 (N08E09) AND 4516 (N03E63), WITH B AND A SPOT CLASSIFICATIONS, RESPECTIVELY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW THROUGHOUT THE FORECAST PERIOD, WITH ANY MODERATE LEVEL ACTIVITY MOST LIKELY ORIGINATING IN REGION 4513.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO STORM LEVELS, AT ALL LATITUDES, THIS PERIOD. THIS ACTIVITY IS MOST LIKELY THE RESULT OF RECURRENT CORONAL HOLE STREAMS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE TO STORM LEVELS, AT ALL LATITUDES, THROUGHOUT THE FORECAST PERIOD. THIS ACTIVITY SHOULD RESULT FROM THE CONTINUANCE OF THE CORONAL HOLE DISTURBANCE.

III. EVENT PROBABILITIES 16 JUN-18 JUN

CLASS M 30/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUN 114

PREDICTED 16 JUN-18 JUN 117/120/123

90 DAY MEAN 15 JUN 124

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 JUN 003/009

ESTIMATED AFR/AP 15 JUN 021/025

PREDICTED AFR/AP 16 JUN-18 JUN 017/020-020/025-030/030

SOLTERWARN

BT