

HFUSS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 168

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. NO OPTICAL FLARES HAVE BEEN REPORTED AND ONLY A B4 X-RAY EVENT HAS BEEN OBSERVED. REGION 4513 (S06E21) CONTINUES AS THE LARGEST MOST COMPLEX REGION ON THE DISK AND IT NOW CONTAINS A DELTA MAGNETIC CONFIGURATION. REGION 4517 (N16E60) WAS NUMBERED TODAY IT IS A SIMPLE B TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST PERIOD. REGION 4513 MAY, IF GROWTH OCCURS, PRODUCE MODERATE LEVEL EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO STORM CONDITIONS DURING THIS PERIOD. THE CURRENT ACTIVITY IS THOUGHT TO BE FROM RECURRENT CORONAL HOLE HIGH SPEED STREAMS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT STORM LEVELS FOR THE NEXT 48 HOURS. THE FIELD IS THEN FORECAST TO RETURN TO UNSETTLED TO ACTIVE LEVELS ON THE THIRD DAY.

III. EVENT PROBABILITIES 17 JUN-19 JUN

CLASS M 20/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUN 107

PREDICTED 17 JUN-19 JUN 110/112/112

90 DAY MEAN 16 JUN 124

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUN 025/025

ESTIMATED AFR/AP 16 JUN 035/040

PREDICTED AFR/AP 17 JUN-19 JUN 030/030-030/030-010/020

SOLTERWARN

BT