

HFUS3 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