

FUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 169

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUN 1983

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THOUGH PLAGE FLUCTUATIONS AND POINT BRIGHTENINGS ARE OCCURRING IN MOST DISK REGIONS, FLARES HAVE BEEN SPARSE. ALL X-RAY BURSTS HAVE BEEN AT OR BELOW THE C1 LEVEL. SOME DEGREE OF MAGNETIC COMPLEXITY REMAINS IN THE PLAGE/NEUTRAL LINE STRUCTURE OF REGIONS 4209 (N13E12), 4210 (N17E07), AND 4213 (S12E15). REGIONS 4214 (N15E54) AND 4215 (S05E53), CURRENTLY BOTH A-TYPE SPOT GROUPS, WERE ADDED TODAY.

I B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH A SLIGHT CHANCE FOR CLASS M ACTIVITY FROM REGIONS 4209/4210 OR 4213.

II A. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH PERIODS AT STORM LEVEL.

II B. GEOPHYSICAL ACTIVITY FORECAST: ACTIVE FIELD CONDITIONS, WITH PERIODS AT STORM LEVEL, SHOULD CONTINUE THROUGH 20 JUNE AND THEN START A GRADUAL ABATEMENT.

III. EVENT PROBABILITIES 19 JUN-21 JUN

CLASS M : 15/15/15

CLASS X : 01/01/01

PROTON : 01/01/01

PCAF : GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED : 18 JUN 126

PREDICTED : 19 JUN-21 JUN 127/128/129

90 DAY MEAN : 18 JUN 129

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUN 015/021

ESTIMATED AFR/AP 18 JUN 028/030

PREDICTED AFR/AP 19 JUN-21 JUN 025/030-018/035-012/020

SOLTERWARN

BT