

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 162

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 JUNE 1980

I A. SOLAR ACTIVITY HAS BEEN LOW. ONLY LOW LEVEL CLASS C EVENTS HAVE OCCURRED DURING THE PAST 24 HOURS. REGION 2490 (S14W31) CONTINUES TO REORGANIZE. HOWEVER, TODAYS RESTRUCTURING SHOWS A GENERAL DECLINE IN THIS REGION IN BOTH WHITE LIGHT AND H-ALPHA. REGION 2505 (S15W20) HAS SHOWN MODERATE GROWTH TODAY, WITH STRONG ARCH FILAMENTS INDICATING CONTINUED GROWTH FOR THIS REGION. THE LEADER/FOLLOWER STRUCTURES OF REGION 2505 CURRENTLY ARE STACKED NORTH/SOUTH (AN ABNORMAL CONFIGURATION). REGIONS 2490 AND 2505 SHARE A COMMON NEUTRAL LINE. NO SIGNIFICANT CHANGES HAVE OCCURRED IN THE OTHER DISK REGIONS DURING THE PAST 24 HOURS.

I B. SOLAR ACTIVITY IS EXPECTED TO BE LOW. HOWEVER, THE RELAXATION MODE OF REGION 2490 AND GROWTH OF ADJACENT REGION 2505 MAY TRIGGER AN ENERGETIC FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN STRONGLY ACTIVE, WITH SHORT PERIODS AT MINOR STORM LEVEL, DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO SLOWLY RECOVER FROM THE CURRENT DISTURBANCE DURING THE NEXT 06-18 HOURS. FOR THE BALANCE OF THE FORECAST PERIOD THE FIELD IS EXPECTED TO BE QUIET TO SLIGHTLY UNSETTLED.

III. EVENT PROBABILITIES 11 JUNE - 13 JUNE

CLASS M 40/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUNE 171

PREDICTED 11-13 JUNE 175/177/178

90-DAY MEAN 10 JUNE 203

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 09 JUNE 18

ESTIMATED AFR/AP 10 JUNE 26/32

PREDICTED AFR/AP 11-13 JUNE 12/18 - 06/10 - 06/10

SOLTERWARN

BT