

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

IA. 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, TODAY'S 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.

IB. 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

S0-DAY MEAN 10 JUNE 203

V. GEOMAGNETIC A 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