

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 065

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 05 MARCH 1980

IA. SOLAR ACTIVITY CONTINUES AT A REMARKABLE LOW LEVEL FOR SOLAR  
MAXIMUM. ACTIVITY TODAY HAS BEEN LIMITED TO A FEW CLASS C1 XRAY  
EVENTS, TWO OF WHICH OCCURRED IN REGION 294 (S25W57). ALL OF THE  
NUMEROUS SPOT GROUPS ARE SMALL AND DECAYING, EXCEPT FOR GROWTH  
OF SMALL NEW SPOTS IN REGION 316 (S15E38). A NEW REGION HAS  
FORMED AT N29W10 WITH SMALL SPOTS.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW FOR AT LEAST THE NEXT TWO  
DAYS. REGIONS RETURNING TO EAST LIMB ON THE THIRD DAY MAY IN-  
CREASE THE FREQUENCY OF SMALL FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED AT TIMES  
BUT BASICALLY QUIET FOR THE PAST 24 HOURS. ACTIVITY IS EX-  
PECTED TO BE QUIET FOR THE NEXT 24 HOURS. ENHANCED INTERPLANETARY  
SCINTILLATION INDICATES A MINOR DISTURBANCE APPROACHING EARTH.  
UNSETTLED AND OCCASIONALLY ACTIVE CONDITIONS ARE EXPECTED IN 48  
HOURS OR LESS.

III. EVENT PROBABILITIES 06-08 MARCH

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MARCH 175

PREDICTED 06-08 MARCH 173/177/179

90-DAY MEAN 05 MARCH 203

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MARCH 05

ESTIMATED AFR/AP 05 MARCH 06/08

PREDICTED AFR/AP 06-08 MARCH 08/12 12/15 08/10

SOLTERWARN

BT