

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 N29W10W 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 INCREASE THE FREQUENCY OF SMALL FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED AT TIMES BUT BASICALLY QUIET FOR THE PAST 24 HOURS. ACTIVITY IS EXPECTED TO BE QUIET FOR THE NEXT 24 HOURS. ENHANCED INTERPLANETARY SCINTILLATION INDICATES A MINOR DISTURBANCE APPROACHING EARTH. UNSETLED 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

PROMPT 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 2.03

V. GEOMAGNETIC 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