

HFUS 1 B 0U 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 126

JOINT USAF/NASA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. A C5/SB EVENT OCCURRED IN REGION 2411 (S18W65). SEVERAL NEW REGIONS WERE NUMBERED, REGION 2432 (S13W33), REGION 2433 (S32E75), REGION 2434 (N10W02), REGION 2435 (N06E17). NUMEROUS RADIO BURSTS AND OPTICAL SUBFAINT TO SUBNORMALS WERE ASSOCIATED WITH REGIONS 2411, AND REGION 2418 (S20E02).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 24 HOURS. A MAGNETIC DELTA HAS BEEN OBSERVED IN REGION 2418. THIS REGION APPEARS TO HAVE THE GREATEST POTENTIAL FOR ACTIVITY. REMAINING REGIONS APPEAR STABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO REMAIN QUIET. A SECTOR BOUNDARY PASSAGE MAY HAVE OCCURRED BUT NO SIGNIFICANT EFFECT HAS BEEN OBSERVED ON THE GEOMAGNETIC FIELD.

III. EVENT PROBABILITIES 06 MAY - 08 MAY

CLASS M 55/60/65

CLASS X 05/10/10

PREDICTED 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 218

PREDICTED 06-08 MAY 216/215/216

90-DAY MEAN 05 MAY 192

V. GEOMAGNETIC INDICES

OBSERVED/FREDERICKSBURG 04 MAY 04

PREDICTED AFR/AP 05 MAY 05/08

PREDICTED AFR/AP 06-08 MAY 07/12 - 05/10 - 05/08

SOLIERWARN

BT