

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 130

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 09 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE PAST 24 HOURS. REGION 2418 (S20W45) PRODUCED A M7/1B FLARE AT 0711 UT WITH AN ASSOCIATED 10CM RADIO BURST OF 210 FLUX UNITS. THE REGION IS STABLE BUT STILL CONTAINS A DELTA CONFIGURATION IN THE SPOT GROUP. REGION 2438 (S17E47) PRODUCED ONLY A C2/SN FLARE BUT THE SPOT GROUP HAS GROWN AND THE PLAGE IS THE BRIGHTEST ON THE DISK. REGION 2445 (S22E67), OBSERVED ON THE SE LIMB YESTERDAY, CONTAINS A D TYPE BETA SPOT GROUP IN A SMALL PLAGE. A SLOW C6/IN FLARE BEGAN AT 2013 UT AND REACHED MAXIMUM AT 2103 UT IN REGION 2433 (S31E27). THE PLAGE IN THIS AREA IS OLD AND WEAK.

IB. REGIONS 2418 AND 2437 APPEAR CAPABLE OF PRODUCING CLASS M EVENTS IN THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS. IT IS EXPECTED TO REMAIN UNSETTLED FOR THE DURATION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 MAY - 12 MAY

CLASS M 60/60/60

CLASS X 05/05/05

PREDICTON 05/05/05

PCAF GREEN

SHOULD HAVE BEEN CAUGHT
ON PROOFREADING

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAY 190

PREDICTED 10 MAY - 12 MAY 187/185/182

SD-DAY MEAN 09 MAY 190

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 MAY 10

ESTIMATED AFR/AP 09 MAY 10/14

PREDICTED AFR/AP 10 MAY - 12 MAY 10/14 10/20 15/14

SOLAR TERRARN

BT

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CORRECTION

PART IB. REGIONS 2418 AND 2438 APPEAR CAPABLE OF PRODUCING CLASS
M EVENTS IN THE NEXT THREE DAYS.

SOLTERWARN

BT