

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 036

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 FEBRUARY 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. TWO M-CLASS X-RAY EVENTS WERE OBSERVED; THE FIRST, AN M1 WITH NO OPTICAL REPORT AT 1149Z, AND THE LARGEST, AN M3/1B AT 1727Z FROM REGION 2266 (S15W15).

SEVERAL C-CLASS X-RAY EVENTS OCCURRED, MOSTLY FROM REGION 2276 (S12E65), THE LATEST AND LARGEST A C8/1B AT 2040Z. REGION 2266 STILL HAS A DELTA CONFIGURATION AND AN ACTIVE DARK FILAMENT. THIS F-TYPE REGION IS ACTUALLY COMPOSED OF TWO REGIONS WITHIN THE SAME PLAGE. REGION 2262 (N15W45) HAS ALSO RETAINED ITS DELTA. REGION 2276 IS NOW AN F-TYPE SPOT GROUP. NO NEW REGIONS WERE REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT MODERATE LEVELS WITH REGIONS 2266, 2276, AND 2262 POSSESSING THE GREATEST PROBABILITY OF SIGNIFICANT ACTIVITY. GROWTH WAS OBSERVED IN REGIONS 2270 (N19W22) AND 2271 (N17W07).

II. THE GEOMAGNETIC FIELD WAS QUIET TODAY, BUT IS EXPECTED TO BECOME INCREASINGLY UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 FEBRUARY - 08 FEBRUARY

CLASS M 9/9 0/9 0

CLASS X 25/25 1/25

PROTON 15/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 FEBRUARY 225

PREDICTED 06-08 FEBRUARY 223/221/215

92-DAY MEAN 05 FEBRUARY 214

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 04 FEBRUARY 03

ESTIMATED AFR/AP 05 FEBRUARY 05/07

PREDICTED AFR/AP 06-08 FEBRUARY 07/10 - 07/08 - 10/12

SOLTERWARN

BT