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HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 039

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 08 FEBRUARY 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THERE WERE THREE M-CLASS/  
IB FLARES FROM REGION 1555 (S20W09) AT 0208Z, 1556 (N16E04) AT  
0644Z, AND 1543-1550 COMPLEX (N15W73) AT 1517Z. THE FIRST FLARE  
FROM REGION 1555 WAS LONG LIVED AND ACCOMPANIED BY A TYPE IV  
METER WAVE EMISSION BUT NO TYPE II OR III. THE SECOND FLARE FROM  
REGION 1556 HAD MORE THAN 50 PERCENT UMBRAL COVERAGE OF THE  
MAIN SPOT. THERE ARE TWO NEW REGIONS, 1561 (S35E64), 1562  
(N12E76).

IB. SOLAR ACTIVITY WILL REMAIN MODERATE. REGIONS 1555 AND 1556  
ARE STILL HIGH IN SIGNIFICANT FLARE POTENTIAL. THE POTENTIAL OF  
REGION 1548 (S12W51) APPEARS REDUCED IN WHITE LIGHT BUT STILL  
SHOWS BRIGHT PLAGE.

II. THE GEOMAGNETIC FIELD WAS QUIET EARLY TODAY BECOMING UN-  
SETTLED DURING THE 1500Z PERIOD. THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE UNSETTLED WITH QUIET PERIODS DURING LOCAL  
NIGHT HOURS.

III. EVENT PROBABILITIES 09 FEBRUARY - 11 FEBRUARY

CLASS M 85/85/75

CLASS X 10/10/10

PROTON 10/10/10

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 FEBRUARY 216

PREDICTED 09-11 FEBRUARY 215/214/207

90-DAY MEAN 08 FEBRUARY 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 FEBRUARY 05

ESTIMATED AFR/AP 08 FEBRUARY 09/10

PREDICTED AFR/AP 09-11 FEBRUARY 08/09 - 07/08 - 08/09

SOLTERWARN

BT