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HFUS BOU 072215

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 220 ISSUED 2200Z AUGUST 7 1972

A. SOLAR ACTIVITY FOR THIS PERIOD CENTERED ON A 3B FLARE OBSERVED AT 07/1528Z /TIME OF MAXIMUM/. LOCATION N14W39, REGION 331. THIS FLARE WAS ACCOMPANIED BY X-RAYS IN THE 1-3A RANGE TENTATIVELY CLASSIFYING THE EVENT AS AN 9-10X. RADIO BURST INTENSITIES OF UP TO 3600 FLUX UNITS WERE OBSERVED ON 10CM CHANNELS. THE MAGNETIC FIELD BECAME HIGHLY ACTIVE DURING THE MAXIMUM OF THE 3B FLARE, PROBABLY DUE TO PROMPT EFFECTS FROM THIS FLARE. DURING OTHER PERIODS THE MAGNETIC FIELD HAS BEEN ONLY MODERATELY UNSETTLED. PROTON LEVELS HAVE BEEN ENHANCED ON ALL INDICATORS.

B. ACTIVITY FROM REGION 331 CAN BE EXPECTED TO CONTINUE FOR THE NEXT 72 HOURS. THIS SHOULD CONTINUE TO BE A REGION OF INTEREST. THE MAGNETIC DISTURBANCE FROM THIS 3B FLARE SHOULD COMMENCE AT ABOUT 09/0900Z WITH A MAJOR STORM CLASSIFICATION. PROTON LEVELS SHOULD REMAIN ENHANCED.

C. EVENT PROBABILITIES 08 AUGUST/0000Z-10 AUGUST/2400Z/

CLASS M 80/80/80

CLASS X 35/35/35

PROTON 35/35/35

D. OTTAWA 10.7CM FLUX

OBSERVED 07 AUGUST/1700Z 158

PREDICTED 08 AUGUST-10 AUGUST 160-158-156

E. A FREDERICKSBURG

OBSERVED 06 AUGUST 51

ESTIMATED 07 AUGUST 20

PREDICTED 08 AUGUST-10 AUGUST 11-60-17

SOLTERWARN

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