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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255 ISSUED 2200Z 11 SEP 1972

A. ONLY TWO FLARES HAVE BEEN OBSERVED DURING THE LAST 24 HOURS. A SUB FAINT WAS OBSERVED FROM REGION 402 /N12W77/ AT 0905Z BUT NO FURTHER ACTIVITY HAS BEEN OBSERVED FROM THIS REGION AND SPOTS ARE NO LONGER VISIBLE IN THIS REGION.

REGION 403 /N21W14/ IS THE MOST INTERESTING REGION. A SUB BRIGHT FLARE OCCURRED IN THIS REGION AT 1027Z BUT NO ACTIVITY HAS BEEN OBSERVED SINCE THEN. THIS BIPOLAR REGION IS OF REVERSED POLARITY WITH AN APPARENT ISOLATED POLE ENCOMPASSING THE TRAILING SPOTS. CONSIDERABLE RADIO NOISE CONTINUUM HAS BEEN OBSERVED DURING THE LAST FEW HOURS AT METRIC WAVELENGTHS. THE MAGNETIC FIELD WAS ACTIVE OVERNIGHT BUT BECAME QUIET SINCE 1300Z.

B. DUE TO THE MAGNETIC COMPLEXITY OF REGION 403, AN INCREASED PROBABILITY HAS BEEN INDICATED FOR CLASS M EVENTS. THE RISK OF CLASS X EVENTS AND PROTON EVENTS HAS ALSO INCREASED SLIGHTLY BUT REMAINS LOW. THE MAGNETIC FIELD SHOULD CONTINUE UNSETTLED AT TIMES DURING THE PERIOD.

C. EVENT PROBABILITIES 12 SEP/0000Z-14 SEP/2400Z

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

D. OTTAWA 10.7CM FLUX

OBSERVED 11 SEP/1700Z 101

PREDICTED 12 SEP-14 SEP 105-107-110

E. A-FREDERICKSBURG

OBSERVED 10 SEP 018

ESTIMATED 11 SEP 009

PREDICTED 12 SEP-14 SEP 010-010-010

SOLTERWARN

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