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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 140 ISSUED 2200Z 19 MAY 1972

A. ENERGETIC ACTIVITY FOR 18 MAY CONSISTED OF A CLASS M-4 AT 1356Z AND A CLASS C-9 AT 2225Z FROM REGION 193 /S13E13/ AND A M-4 AT 1356Z AND A CLASS M-1 AT 2025Z FROM REGION 195 /N15E12/. FLARE ACTIVITY HAS DECREASED MARKEDLY TODAY, WITH THE LARGEST EVENT REPORTED TODAY A C-7 AT 0943Z FROM REGION 193. THIS REGION HAS LOST ITS DELTA CONFIGURATION BUT ISOLATED POLES ARE EMERGING IN THE REGION. REGIONS 195 AND 197 /N15E13/ HAVE AGAIN MERGED FORMING A LARGE DELTA CONFIGURATION. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C AND A POSSIBLE SMALL CLASS M EXPECTED FROM REGION 193. THE 195/197 COMPLEX OF REGIONS HAVE THE POTENTIAL TO PRODUCE A MODERATE CLASS M OR SMALL CLASS X. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 MAY/0000Z ENDING 22 MAY/2400Z.

CLASS M OR GREATER 70/60/50

CLASS X 10/05/02

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUXES FOR 19/1400Z, 19/1700Z AND 19/2000Z WERE 156, 153 AND 151 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 20-22 MAY IS 142/135/125.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAY WAS 12. FOR 19 MAY ABOUT 04. PREDICTED AP FOR 20-22 MAY, 04/05/05.

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