

KBOU

HFUS BOU 181400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUBER 139A ISSUED 1400Z 18 MAY 1972

A. REGION 195 AT N14E35 PRODUCED CLASS M-9 EVENT /OPTICALLY 1B FLARE/ AT 17/2235Z. THIS REGION CONTINUES TO SHOW ROTATIONAL MOTION AND SHOULD PRODUCE CLASS C ACTIVITY DURING THE NEXT 24 HOURS WITH A CLASS M EVENT LIKELY. REGION 193 AT S13E30 WAS THE SOURCE OF AN OPTICAL SUBFLARE AT 0335Z TODAY. ALTHOUGH X-RAY DATA ARE NOT AVAILABLE FOR THIS EVENT THE IONOSPHERIC EFFECTS PRODUCED BY THIS FLARE INDICATE IT MAY HAVE BEEN A SMALL CLASS M. THE GEOMAGNETIC FIELD WAS UNSETTLED DURING THE NIGHT, BUT IS PRESENTLY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 MAY/1400Z ENDING 21 MAY/1400Z.

CLASS M OR GREATER 70/65/60

CLASS X 05/05/05

PROTON EVENTS 02/02/02

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139B ISSUED 2200Z 18 MAY 1972

A. REGION 195 /N13E26/ PRODUCED A 1B FLARE AT 17/2235Z WHICH WAS RECORDED AS A CLASS M-7 BY SOLRAD. THIS REGION MERGED WITH THE LEADER SPOT OF REGION 197 /N15E27/ FORMING A LARGE DELTA CONFIGURATION, BUT THESE SEPARATED AGAIN BEFORE 18/2000Z. REGION 193 /S13E26/ HAS PRODUCED FREQUENT SUBFLARES TODAY. TWO OF THESE AT 1356Z AND 1618Z WERE BORDERLINE IMPORTANCE ONE. X-RAY DATA FOR THESE EVENTS ARE NOT AVAILABLE. HOWEVER, THESE EVENTS AND A SUBFLARE FROM REGION 195 AT 2025Z DID PRODUCE IONOSPHERIC EFFECTS. REGION 193 HAS A SMALL DELTA CONFIGURATION IN THE SE PART OF THE LEADER SPOT.

B. THE LOSS OF THE LARGE DELTA CONFIGURATION IN REGION 195 DECREASES THE CHANCE OF A X-EVENT FROM THIS REGION, HOWEVER IT STILL HAS THE POTENTIAL TO PRODUCE A MODERATE CLASS M. REGION 193 SHOULD PRODUCE CLASS C EVENTS AND A SMALL CLASS M EVENT DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 MAY/0000Z ENDING 21 MAY/2400Z.

CLASS M OR GREATER 80/80/70

CLASS X 05/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 18/1400Z, 18/1700Z AND 18/2000Z WERE 162, 162 AND 159 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 19-21 MAY IS 160/158/156.

E. MAGNETIC A-FREDERICKSBURG FOR 17 MAY WAS 08. FOR 18 MAY ABOUT 11. PREDICTED AP FOR 19-21 MAY, 08/08/06.

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