

NNNN

KBOU

HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 045 ISSUED 2200Z 14 FEB 1972

ENERGETIC FLARES EXPECTED FROM REGION 051.

A. REGION 051 /S18E24/ HAS DOMINATED THE DISK ACTIVITY REPORTED SO FAR TODAY, PRODUCING AN M1 EVENT /SB/ ABOUT 14/1257Z. THIS 25 MINUTE FLARE WAS ACCOMPANIED BY IMPORTANCE ON SWFS AND A CM WAVELENGTH BURST PEAKING IN THE TENS OF FLUX UNITS ABOVE BACKGROUND. A SECOND M1 EVENT WAS RECORDED BY VELA NEAR 1420Z, BUT NO OPTICAL ACTIVITY SEEMS TO CORRESPOND TO THE TIME.

FIFTY-ONE DISPLAYS PLAGE GROWTH BETWEEN ITS OLD LEADER AND NEWLY DEVELOPED LEADER SPOTS ABOUT 3 DEGREES TO THE NW. THE SINUOUS NEUTRAL LINE IS WELL DEFINED BY A FILAMENT THAT IS EXTREMELY DARK AND ACTIVE IN SEGMENTS. ABOUT SEVEN SUBFLARES HAVE BEEN OBSERVED THERE TODAY, ALL OF WHICH SPAN THE PORTION OF THE FILAMENT RUNNING NEARLY EAST-WEST THROUGH THIS SMALL C-TYPE REGION. A HOST OF RUDIMENTARY SPOT GROUPS HAVE APPEARED DURING THE LAST 24 HOURS WITH ONE AS HIGH IN LATITUDE AS N27. SOME TWELVE DISTINCT FEATURES HAVE BEEN IDENTIFIED IN BOULDER UNDER FAIR SEEING CONDITIONS, PRODUCING A QUANTUM JUMP IN THE R NUMBER OVER THE LAST TWO DAYS. LOCAL 3-HOUR RANGE INDICES HAVE NOT EXCEEDED K EQUAL 4. THE TRACES AT MESSAGE TIME REFLECT A NEAR QUIET-DAY CHARACTER.

B. FOR THE NEXT TWO DAYS ACTIVE CENTER 051 IS EXPECTED TO BE THE SOURCE OF ONE TO TWO ENERGETIC EVENTS EVERY 24 HOURS.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 FEB/0000Z ENDING 17 FEB/2400Z.

CLASS M OR GREATER 95/80/60

CLASS X 12/05/05

PROTON EVENT 25/25/15

D. OTTAWA 10.7 CM FLUXES FOR 14/1400Z 1700Z AND 2000Z WERE 130, 140 AND 149 /HIGH FLUX VALUES ARE DUE IN PART TO RADIO BURSTS IN PROGRESS AT THE TIME/. PREDICTED 10.7 CM FLUXES FOR 15-17 FEB ARE 136/131/129.

E. MAGNETIC A-FREDERICKSBURG FOR 13 FEB WAS 14. FOR 14 FEB ABOUT 11. PREDICTED AP FOR 15-17 FEB ARE 09/04/03.

SOLTERWARN

SPAN

BT