

KBOU

HFUS BOU 270500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 178A ISSUED 0500Z 27 JUNE 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A MODERATELY LOW LEVEL DURING THE PAST 24 HOURS. SEVERAL SMALL CLASS M EVENTS HAVE BEEN REPORTED. THE MOST ACTIVE REGION HAS BEEN THE NEW REGION (145) S07E74. REGION 145 HAS SHOWN ONLY SMALL GROWTH SINCE IT APPEARED ON THE VISIBLE DISK BUT IT HAS BEEN ACTIVE AND APPEARS TO HAVE POTENTIAL FOR FLARE PRODUCTION. THE GEOMAGNETIC FIELD IS ONLY SLIGHTLY DISTURBED.

B. THE REGIONS S07E74 AND N15E18 ARE THE TWO MOST ACTIVE REGIONS AND AN OCCASIONAL SMALL CLASS M FLARE IS PROBABLE FROM THESE REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 JUNE/0000Z ENDING 29 JUNE/2400Z

CLASS M OR GREATER 60/65/70

CLASS X 05/05/10

PROTON EVENTS 02/02/05

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HFUS BOU 272200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 178B ISSUED 2200Z 27 JUNE 1971

INFREQUENT CLASS M FLARE ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS CONSISTED OF ABOUT 18 SUBFLARES FROM N15E08, S07E63 AND S15E74. THE SE COMPLEX OF REGIONS CONTINUES TO PASS THE LIMB WITH NO END IN SIGHT TO THE PLAGE. THE AREA OF THE PLAGE IS VAST AND COMPACT. MAGNETICALLY THESE REGIONS LOOK COMPLICATED BUT NO ACCURATE ANALYSIS HAS BEEN MADE YET. THE N16E76 REGION HAS CLEARED THE LIMB AND IS A STABLE LOOKING TYPE C GROUP. SOME SURGE ACTIVITY HAS BEEN OBSERVED NEAR NEO2 WHERE A LITTLE PLAGE IS NOTED. ALL OTHER REGIONS ARE DECAYING.

B. THE SE COMPLEX IS EXPECTED TO DOMINATE SOLAR ACTIVITY WITH SUBFLARES AND OCCASIONAL ENERGETIC EVENTS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 JUNE/0000Z ENDING 30 JUNE/2400Z.

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 22/1400Z, 27/1700Z AND 27/2000Z WERE 117, 119 AND 118 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 28-30 JUNE IS 120/123/125.

E. MAGNETIC A-FREDERICKSBURG FOR 26 JUNE WAS 14. FOR 27 JUNE ABOUT 05. PREDICTED AP FOR 28-30 JUNE, 05/05/08.

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