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KMSC

HAUS BOU 150400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 658A ISSUED 0400Z 15 JUNE 1970

CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. THE REGION N18E24 CONTINUES TO BE THE MAJOR FLARE PRODUCER. THIS REGION HAS GROWN AND A NEW SPOT GROUP HAS DEVELOPED NEAR THE FOLLOWER PORTION. THE NUMBER OF CLASS M AND X FLARES HAS DECREASED BUT MANY NON-ENERGETIC FLARES HAVE BEEN OBSERVED. THE REGION N16W18 HAS DEVELOPED AND GROWN DURING THE PAST UT DAY. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF DISTURBANCE. ATS-1 SATELLITE PROTON COUNTS ARE SLIGHTLY ABOVE BACKGROUND.

B. THE REGION N18E24 IS EXPECTED TO CONTINUE TO PRODUCE M AND X FLARES AND REGION N16W18 IS EXPECTED TO INCREASE IN ITS FLARE PRODUCTION. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 JUNE/0400Z ENDING 18 JUNE/0400Z

CLASS M OR GREATER 99/99/99

CLASS X 65/65/65

PROTON EVENTS 25/25/25

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 14/2000Z WERE 205 AND 204 RESPECTIVELY.

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HAUS BOU 151700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 658B ISSUED 1700Z 15 JUNE 1970

CLASS X FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. ENERGETIC FLARE ACTIVITY CONTINUES AT ONE OF THE HIGHEST, IF NOT THE HIGHEST, LEVELS OF THE PAST 18 MONTHS. THE MAJOR CONTRIBUTOR CONTINUES TO BE THE COMPLEX CENTERED NEAR N18E17. THIS COMPLEX NOW EXTENDS ABOUT 22 DEGREES IN LONGITUDE AND PROBABLY CONSISTS OF THREE INTERACTING BIPOLAR GROUPS. ANOTHER COMPLEX REGION NEAR N17E00 IS ALSO BECOMING MORE ACTIVE. ACTIVITY SO FAR THIS UT DAY HAS CONSISTED MAINLY OF SUBFLARES WITH A FEW IMP ONE FLARES; HOWEVER, MANY OF THESE EVENTS HAVE BEEN ACCOMPANIED BY SUBSTANTIAL RADIO AND X-RAY EMISSION. THE LARGEST EVENTS SO FAR THIS DAY HAVE BEEN A SMALL CLASS X SUB BRIGHT AT 15/0238Z AND A PROBABLE CLASS X AT 15/1315Z ASSOCIATED WITH A SUB BRIGHT NEAR N16E11 AND/OR A ONE BRIGHT NEAR N15E06. PROTON FLUXES NEAR EARTH AS DETECTED BY ATS-1 REMAIN NEAR BACKGROUND. THE GEOMAGNETIC FIELD IS UNSETTLED. THE 1400Z 10CM FLUX GIVEN BELOW MAY BE FLARE ENHANCED.

B. THE OUTLOOK FOR THE NEXT 3 DAYS REMAINS UNCHANGED-FREQUENT CLASS M AND OCCASIONAL CLASS X EVENTS ARE EXPECTED. MAJOR EVENTS WITH PROTONS ARE POSSIBLE. UNSETTLED GEOMAGNETIC CONDITIONS SHOULD CONTINUE AND INTENSIFY AS THE NE REGIONS PASS BEYOND THE CENTRAL MERIDIAN.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 JUNE/1700Z ENDING 18 JUNE/1700Z.

CLASS M OR GREATER 99/99/99

CLASS X 65/65/65

PROTON EVENTS 25/30/30

D. OTTAWA 10.7CM FLUX FOR 15/1400Z WAS 222. PREDICTED 10.7CM FLUX FOR 16-18 JUNE IS 213/220/225.

E. MAGNETIC A-FREDERICKSBURG FOR 14 JUNE WAS 10. FOR 15 JUNE ABOUT 12. PREDICTED AP FOR 16-18 JUNE IS 15/15/20.

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