

KMSC

HAUS BOU 080400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 773A ISSUED 0400Z 08 OCT 1970

CLASS-C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 11 HOURS; A NEAR-CLASS-M EVENT OCCURRED IN THE N18W76 REGION AT 07/1916Z, AND AN APPARENT CLASS-M1 EVENT OF UNDETERMINED ORIGIN OCCURRED AT 07/2155Z. SPOT GROWTH AND AN INCREASE IN THE COMPACTNESS OF THE PLAGE HAVE BEEN NOTED IN THE INTERMEDIATE PORTION OF THE S09W15 REGION, AND BRIGHTENINGS HAVE BEEN IN PROGRESS IN THE N18W76 REGION. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET.

B. RECENT TRENDS SUGGEST THAT OCCASIONAL SMALL CLASS-M FLARES ARE LIKELY TO BE PRODUCED AT THE N18W76 AND S09W15 SITES DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 OCT/0400Z ENDING 11 OCT/0400Z  
CLASS M OR GREATER 55/50/45

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 07/1700Z AND 07/2000Z WERE 133 AND 138 RESPECTIVELY.

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HAUS BOU 081730

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 773B ISSUED 1700Z 08 OCT 1970

AT MOST ONE SMALL M FLARE IS ANTICIPATED DURING THE NEXT 11 HOURS.

A. NO ENERGETIC EVENTS HAVE BEEN RECORDED TODAY. THE CLASS /AREA E/340 REGION IN THE ~~SE~~ QUADRANT CONTINUES TO DOMINATE THE DISK BOTH IN SIZE AND ACTIVITY. THIS BIPOLE SPOT GROUP WITH MIXED POLARITIES CONTAINS THE BRIGHTEST PLAGE VISIBLE. A SECOND FEATURE IN THE SOUTHERN HEMISPHERE, NAMELY THAT NEAR S13E48, IS CURRENTLY DISPLAYING FAVORABLE GROWTH CHARACTERISTICS. TWO SMALL, DISTINCT GROUPS WITH BRIGHT PLAGE PATCHES ARE IN EVIDENCE THERE. (THE CARRINGTON LONGITUDE IS ONE NEAR THE ACTIVE 070 DEGREES). ONLY ONE SECTOR OF THE LIMB IS ACTIVE AT MESSAGE TIME. ALMOST CONTINUOUS BSLS ARE ACCOMPANIED BY THE WEST LIMB TRANSIT OF A SMALL REGION NEAR NW16.

B. BORDERLINE M EVENTS AT A RATE OF ABOUT ONE OR TWO PER DAY ARE EXPECTED THESE NEXT 3 DAYS. THE EARTH'S DIPOLE FIELD SHOULD BECOME DISTURBED 10 OCT, I.E. THE A-INDEX IS EXPECTED TO RISE ABOVE 10.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 OCT/1700Z ENDING 11 OCT/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 08/1400Z WAS 145. PREDICTED 10.7 CM FLUX FOR 09-11 OCT IS 130/127/127.

E. MAGNETIC A-FREDERICKSBURG FOR 07 OCT WAS 02. FOR 08 OCT ABOUT 03. PREDICTED AP FOR 09-11 OCT, 05/13/11.

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