

NNNUU0410

NNNNBMVAGVCVG

KMSC

HAUS BOU 1004010Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 683A ISSUED 0400Z 10 JULY 1970

THE NEXT 13 HOURS SHOULD BE CHARACTERIZED BY INFREQUENT CLASS C FLARES.

A. NO ENERGETIC FLARES HAVE BEEN OBSERVED SINCE THE PRVIOUS MESSAGE, HOWEVER, A SIGNIFICANT LIMB EVENT DID OCCUR. BEGINNING ABOUT 09/2130Z NEAR SW05-09 AN IMPORTANCE 3 EPL BEGAN TO RISE. MAXIMUM RADIAL EXTENT WAS PROBABLY NEAR 0.3R; ITS DURATION-ABOUT AN HOUR. ASIDE FROM THIS SOMEWHAT ISOLATED EVENT THE DISK ITSELF HAS BEEN QUIET. YESTERDAY'S MAGNETIC STORM IS ABATING AFTER GIVING RISE TO MORE THAN 24 HOURS OF K INDICES EQUAL TO OR GREATER THAN 4 FOR OBSERVATORIES NEAR MAG LAT 50 DEGREES. IN ADDITION MINOR AURORAL ABSORPTION WAS REPORTED ALONG THE ALASKAN RIOMETER CHAIN. THE A-INDEX FOR BOULDER (09 JULY) SHOULD BE NEAR 47, PLACING THE STORM WELL INTO THE "MINOR" CLASSIFICATION.

B. NO RADICAL CHANGES ARE FORSEEN DURING THE NEXT THREE DAYS IN THE CURRENT FLARE LEVELS. THE MAGNETIC STORM IN PROGRESS IS EXPECTED TO PICK UP IN INTENSITY TWICE MORE BEFORE COMPLETELY DIMINISHING.

SIGNIFICANT MAGNETOMETER EXCURSIONS SHOULD BEGIN AT APPROXIMATELY 10/1000Z AND 10/1700Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 JULY/0400Z ENDING 13 JULY/0400Z.

CLASS M OR GREATER 50/45/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 09/1700Z AND 09/2000Z WERE 144 AND 140 RESPECTIVELY.

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KMSC

HAUS BOU 101700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 68~~2~~B ISSUED 1700Z 10 JULY 1970  
RELATIVELY NON-ENERGETIC FLARE ACTIVITY IS ANTICIPATED DURING  
THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 13 HOURS;  
ONLY SMALL CLASS-C FLARES HAVE BEEN OBSERVED. AN A-TYPE SPOT  
AND A SMALL, MODERATELY BRIGHT PLAGE HAVE ROTATED ONTO THE DISK AT  
S18E80; OCCASIONAL, RELATIVELY NON-ENERGETIC SUBFLARES HAVE BEEN  
OBSERVED IN THIS NEW REGION. SATELLITE SPOTS HAVE APPEARED  
NORTHWEST OF THE MAIN SPOT AT N17E07, AND SEVERAL MINOR SUBFLARES  
HAVE OCCURRED AT THAT SITE. ENHANCED PLAGE HAS BEEN NOTED IN THE  
LEADING PORTION OF THE F-TYPE REGION AT S08W47, AND A SUBFLARE  
OCCURRED IN THE TRAILING PORTION OF THIS REGION AT 10/1530Z.  
OTHER DISK FEATURES ARE RELATIVELY UNINTERESTING AT PRESENT.  
THE GEOMAGNETIC STORM THAT BEGAN 08/2317Z ENDED AT APPROXIMATELY  
10/0400Z; SINCE THAT TIME THE GEOMAGNETIC FIELD HAS SHOWN  
OCCASIONAL PERIODS OF DISTURBANCE.

B. RELATIVELY INFREQUENT CLASS-C FLARES ARE EXPECTED DURING THE  
NEXT 11 HOURS; THERE IS A FAIR CHANCE THAT A CLASS-M FLARE WILL BE  
PRODUCED BY THE S08W47 REGION. THE GEOMAGNETIC FIELD IS EXPECTED  
TO SHOW OCCASIONAL PERIODS OF DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 10 JULY/1700Z ENDING 13 JULY/1700Z.

CLASS M OR GREATER 50/55/55

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX FOR 10/1400Z WAS 136. PREDICTED 10.7CM  
FLUX FOR 11-13 JULY IS 132/130/135.

E. MAGNETIC A-FREDERICKSBURG FOR 09 JULY WAS 52. FOR 10 JULY  
ABOUT 12. PREDICTED AP FOR 11-13 JULY 09/07/07.

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