

NNNN

KMSC

HAUS BOU 070400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 772A ISSUED 0400Z 07 OCTOBER 1970

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. ONLY A FEW NON - ENERGETIC SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. THE GROUP S10E02 HAS DECREASED IN SIZE IN THE TRAILER PORTION. THE MAGNETIC CONFIGURATION IS STILL BETA GAMMA. THE REGION S10E01 APPEARS TO HAVE LOST ITS H TYPE SPOT. A FEW SURGES HAVE BEEN OBSERVED ON THE NW LIMB. THE PLAGE AT S10W72 HAS BEEN ENHANCED. THE GEOMAGNETIC FIELD HAS REMAINED QUIET.

B. CLASS C ACTIVITY AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED. THE REGION NOW AT S10E02 IS MOST LIKELY TO PRODUCE THE ENERGETIC FLARE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 OCT/0400Z ENDING 10 OCT/0400Z.

CLASS M OR GREATER 40/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 06/1700Z AND 06/2000Z WERE 131 AND 127 RESPECTIVELY.

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HAUS BOU 071700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 772B ISSUED 1700Z 07 OCT 1970

CLASS C FLARES EXPECTED IN THE NEXT 11 HOURS.

A. NO SIGNIFICANT ACTIVITY TO REPORT. BOTH N18W70 AND S09W09 REGIONS HAVE SHOWN REJUVENATION THE LAST 6 HOURS. IN THE NW GROUP THE LEADER HAS GROWN AND THE PLAGE LOOKS ENHANCED OVER YESTERDAY. THE SW REGION THE TRAILER SPOTS HAVE GROWN AND THE PLAGE IS BRIGHT. THE GEOMAGNETIC FIELD IS QUIET.

B. ONE OR TWO CLASS M FLARES CAN BE EXPECTED DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 OCT/1700Z ENDING 10 OCT/1700Z.

CLASS M OR GREATER 40/35/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 07/1400Z WAS 135. PREDICTED 10.7 CM FLUX FOR 08-10 OCT IS 132/129/127.

E. MAGNETIC A-FREDERICKSBURG FOR 06 OCT WAS 05. FOR 07 OCT ABOUT 03. PREDICTED AP FOR 08-10 OCT, 05/05/05.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO  
SDFR 996 ISSUED 07 OCTOBER 1970

HIGHLIGHTS FOR THE PERIOD 30 SEPT-06 OCT 1970:

TWO CLASS M EVENTS WERE OBSERVED DURING THE PAST SEVEN DAYS. AN IMPORTANCE SB FLARE AT 04/1730Z IN MCMATH REGION 965 WAS CLASS M3. REGION 965 IS CURRENTLY LOCATED NEAR N19W56 (L 252). AT THE TIME OF THE FLARE THE ASSOCIATED SPOT GROUP WAS CLASS/AREA D/20 MILLIONTHS OF THE SOLAR HEMISPHERE AND WAS MAGNETICALLY BETA-GAMMA WITH REVERSED POLARITIES. IT IS SHOWING LITTLE CHANGE AS IT APPROACHES THE LIMB. THE SECOND EVENT WAS A 1N CLASS M2 FLARE AT 06/0025Z IN MCMATH REGION 971 (S12E02, L 194). THE SPOT GROUP ASSOCIATED WITH THIS REGION WAS BORN ON THE DISK ON 01 OCTOBER AND GREW RAPIDLY AFTER BIRTH. IT IS CURRENTLY CLASS/AREA E/300 AND MAGNETICALLY A BETA-GAMMA. BOTH EVENTS WERE ACCCOMPANIED BY MINOR RADIO BURSTS. A MAJOR SHORT WAVE FADEOUT WAS REPORTED DURING THE 06/0025Z CLASS M2 EVENT. THE TOTAL ENERGY EMITTED AT X-RAY WAVELENGTHS WAS CONSIDERABLY GREATER FOR THIS EVENT THAN FOR THE M3 04/1730Z EVENT. A MINOR GEOMAGNETIC STORM BEGAN WITH A GRADUAL COMMENCEMENT AT ABOUT 03/1800Z AND ENDED AT ABOUT 04/2000Z. THE A-INDICES AT FREDERICKSBURG WERE 13 AND 20 FOR 03 AND 04 OCTOBER, RESPECTIVELY.

FORECAST FOR THE PERIOD 08-14 OCTOBER 1970:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A RELATIVELY LOW LEVEL. AN AVERAGE OF ONE OR FEWER SMALL CLASS M EVENTS PER DAY IS EXPECTED. REGIONS 965 AND 971 ARE CURRENTLY THE MOST LIKELY SOURCES OF SUCH ACTIVITY. NO PREVIOUSLY ACTIVE REGIONS ARE DUE TO RETURN. A REGION CURRENTLY CROSSING THE EAST LIMB NEAR SII IS PRODUCING MINOR LIMB ACTIVITY.

28-DAY FORECAST FOR THE PERIOD 08 OCTOBER-05 NOVEMBER 1970:

LOW TO MODERATE ACTIVITY IS EXPECTED TO PERSIST THROUGHOUT THE PERIOD.

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