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KMSC

HAUS BOU 090400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 532A ISSUED 0400Z 09 FEB 1970

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

A. FLARE ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS.

THE ACTIVITY HAS BEEN CLASS C FLARES. THE REGIONS N19E25,
S12W21 AND S09W23 HAVE PRODUCED MOST OF THE ACTIVITY. THESE
THREE REGIONS ARE ALL BRIGHT AND HAVE SHOWN SOME GROWTH BUT
MAJOR FLARE ACTIVITY IS NOT EXPECTED. THE GEOMAGNETIC FIELD
IS VERY QUIET.

B. CLASS C ACTIVITY IS EXPECTED TO CONTINUE AND AN OCCASIONAL
CLASS M EVENT IS PROBABLE FROM THE THREE REGIONS MENTIONED
IN PART A. THE MAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 09 FEB/0400Z ENDING 12 FEB/0400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 08/1700Z & 2000Z WERE 157 AND 161
RESPECTIVELY.

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HAUS BOU 091705Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 532B ISSUED 1700Z 09 FEBRUARY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS INCREASED SHARPLY SINCE SDF 532A.
EXPLOSIVE SPOT GROWTH CONTINUES IN THE E-TYPE/320 REGION
AT N19E14. THIS REGION PRODUCED A CLASS X /IMP 1B/ FLARE
AT 09/0620Z WITH LARGE IONOSPHERIC EFFECTS. AT 09/0623Z,
THIS FLARE PRODUCED AN IMP 3 SPA AND SWF, BUT LESS THAN 30
F.U. WITH THE ACCOMPANYING 10 CM RADIO BURST. IN WHITE
LIGHT, THE REGION CONSISTS OF A COMPLEX, INTERMINGLED SERIES
OF SMALL SPOTS WITH THREE GROUPS OF PENUMBRAL AREA. IN
H-ALPHA, ITS BRIGHT PLAGE AREA IS VERY EXTENSIVE CONSIDERING
IT IS LESS THAN 4 DAYS OLD. TWO CLASS M FLARES WERE OBSERVED
FROM THE DECAYING REGION AT S12W35 AT 09/1008Z /IMP SN/ AND
09/1213Z /IMP SN/. THE REMAINING REGIONS ARE STABLE. THE
GEOMAGNETIC FIELD IS VERY QUIET WITH THE MAGNETIC A-FREDERICKSBURG
INDEX OF ZERO FOR FEB 7 AND 8. ATS-1 SATELLITE PROTON FLUXES
ARE AT BACKGROUND.

B. CONTINUED RAPID GROWTH OF THE N19E14 REGION IS EXPECTED
WITH MAJOR CLASS X ACTIVITY MORE LIKELY THE LAST PART OF THE
THREE DAY FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 09/1700Z ENDING 12/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 45/50/55

PROTON EMENTS 10/15/20

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 168. PREDICTED 175/183/185.

E. MAGNETIC A-FREDERICKSBURG FOR 08 FEB WAS 0. FOR 09 FEB ABOUT
02. PREDICTED AP FOR 10-12 FEB 05/05/08.

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