

NNNN0430

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KMSC

HAUS BOU 030400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 495A ISSUED 0400Z 03 JANUARY 1970

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

A. SOLAR ACTIVITY ON THE VISIBLE DISK HAS BEEN LOW THE PAST 11 HOURS. SATELLITE READOUT INDICATES THAT A LARGE ACTIVITY TOOK PLACE BEFORE 03/0029Z BEYOND THE EAST LIMB. NO EARTHBOUND DETECTORS SHOWED ANY EVENT. THE GEOMAGNETIC DISTURBANCE CONTINUES BUT HAS BEEN RECEDING DURING THE PAST FIVE HOURS.

B. ACTIVITY WILL BE CONFINED TO CLASS C AND AN OCCASIONAL CLASS M FLARES DURING THE NEXT 24 HOURS. THE REGIONS N13W02 AND N22E47 ARE THE MOST LIKELY REGIONS FOR FLARE ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 JAN/0400Z ENDING 06 JAN/0400Z

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 02/1700Z AND 2000Z WERE 149 AND 150 RESPECTIVELY.

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NNNN1750

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KMSC

HAUS BOU 031745Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 495B ISSUED 1700Z 03 JANUARY 1970

CLASS C FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. TEHRAN REPORTED A CLASS C (IMPORTANCE 2F) FLARE BEGINNING 03/0626Z. THE LOCATION REPORTED WAS BETWEEN THE NEW ACTIVE CENTER AT N12E60 AND AN OLDER (APPROXIMATELY 7 DAYS FROM BIRTH) REGION AT N20E32. THIS LATTER REGION HAS A FOLLOWER-POLARITY SPOT BETWEEN TWO LEADER-POLARITY SPOTS. THE PLAGE IS QUITE COMPACT, BUT ONLY MODERATELY BRIGHT. LITTLE CHANGE IS APPARENT IN THE REGION AT N12W12, WHERE MIXED POLARITIES, SIMILAR TO THAT JUST DESCRIBED, PREVAIL IN THE CENTRAL CHANNEL. THE PLAGE IN THIS REGION IS LARGE AND COMPLEX. NO CHANGE IS APPARENT IN THE S19W54 REGION. PLAGE IS CROSSING THE EAST LIMB AT ABOUT N25, IN THE NEIGHBORHOOD OF THE LIMB ACTIVITY THAT WAS REPORTED YESTERDAY. THE GEOMAGNETIC STORM THAT FREDERICKSBURG COMMENCED 02/0100Z ENDED 03/0200Z. PROTON FLUXES NEAR EARTH ARE CURRENTLY NEAR BACKGROUND, ALTHOUGH PIONEER VI AND VII, NEAR SOLAR EAST LIMB, SHOW ENHANCED PROTON FLUXES AS DETAILED IN SDF 495A. A METER-WAVELENGTH NOISE STORM, BEGINNING BEFORE 03/1400Z, FURTHER INDICATES CORONAL INVOLVEMENT.

B. MINOR ACTIVITY IS EXPECTED FROM N12W12 AND N20E32 REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 JAN/1700Z ENDING 06 JAN/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 142. PREDICTED 138/134/134.

E. MAGNETIC A-FREDERICKSBURG FOR 02 JAN WAS 24. FOR 03 JAN ABOUT 09. PREDICTED AP FOR 04-06 JAN; 08/05/05.

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