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KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 640A ISSUED 0400Z 28 MAY 1970

NO MORE THAN ONE SMALL M EVENT IS EXPECTED DURING THE NEXT 13 HOURS.

A. THE SOLAR DISK HAS REMAINED VERY QUIET. PLAGES ASSOCIATED WITH THE APPROXIMATELY 15 SMALL GROUPS IN VIEW SHOW NO HARD OUTLINES AND APPEAR GENERALLY DULL. WHAT MOST LIKELY WILL BE A SHORT - TERM GEOMAGNETIC DISTURBANCE BEGAN ABOUT 4 HOURS AGO. THE MAGNETIC FLUCTUATIONS ARE NOT CONFINED TO ANY ONE TRACE BUT ARE IN EVIDENCE ON ALL 3, I.E. ON THE HORIZONTAL AND VERTICAL COMPONENTS AS WELL AS THE DECLINATION.

B. CONTINUED BREAK UP WITHIN THE S14W29 AND S07W00 REGIONS IS FORSEEN ACCOMPANIED BY NONENERGETIC FLARES OF DECREASING FREQUENCY. A MINOR MAGNETIC DISTURBANCE-NOT A STORM-IS EXPECTED TO BEGIN ABOUT MIDDAY ON THE 31ST. THE PLANETARY A-INDEX FOR 31 MAY AND 01 JUNE SHOULD NOT EXCEED 15.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAY/0400Z ENDING 31 MAY/0400Z.

CLASS M OR GREATER 80/70/60

CLASS X 10/10/05

PROTON EVENTS 10/10/05

D. OTTAWA 10.7 CM FLUXES FOR 27/1700Z AND 27/2000Z WERE BOTH 151.

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KMSC

HAUS BOU 281700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 640B ISSUED 1700Z 28 MAY 1970

ONE OR TWO CLASS-M FLARES ARE LIKELY FROM THE REGION AT S07W12 DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 13 HOURS; NO CLASS-M FLARES HAVE BEEN REPORTED. THE REGION AT S07W12 IS CURRENTLY THE MOST INTERESTING DISK FEATURE. APPARENTLY A DELTA COMPLEX STILL EXISTS IN THE FOLLOWER PENUMBRA OF THIS REGION AND IMBEDDED FILAMENTS ARE VISIBLE BETWEEN THE CENTRAL PENUMBRAE, THOUGH THE REGION APPEARS TO BE SIMPLIFYING SLOWLY. THE REGION AT S14W36 ALSO HAS SIMPLIFIED SLIGHTLY; A SMALL NEW BIPOLAR GROUP HAS APPEARED AT N16E62, JUST AHEAD OF THE REGION AT N17E66. THE GEOMAGNETIC FIELD BECAME DISTURBED HERE AT ABOUT 28/0000Z, BECAME RELATIVELY QUIET AT ABOUT 28/0345Z, AND AGAIN BECAME DISTURBED AT ABOUT 28/0950Z. THE DISTURBANCE, WHICH WAS OF STORM PROPORTIONS /K INDEX OF 5/ BETWEEN 28/0950Z AND 28/1345Z, AT PRESENT APPEARS TO BE DECREASING.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A RELATIVELY LOW LEVEL DURING THE NEXT 11 HOURS. THE REGION AT S07W12 APPEARS CAPABLE OF PRODUCING ONE OR TWO CLASS-M EVENTS, DESPITE ITS RECENT DORMANCY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SOMEWHAT DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 MAY/1700Z ENDING 31 MAY/1700Z.

CLASS M OR GREATER 70/60/60

CLASS X 10/08/05

PROTON EVENTS 10/08/05

D. OTTAWA 10.7 CM FLUX FOR 28/1400Z WAS 146. PREDICTED 10.7 CM FLUX FOR 29-31 MAY IS 144/142/142.

E. MAGNETIC A-FREDERICKSBURG FOR 27 MAY WAS 13. FOR 28 MAY ABOUT 25. PREDICTED AP FOR 29-31 MAY 12/12/12.

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