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HAUS BOU 020000

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SESC-PRF 004 ISSUED 02 DECEMBER 1970

HIGHLIGHTS FOR THE PERIOD 25 NOVEMBER-01 DECEMBER 1970--

THE SOLAR DISK REMAINED RELATIVELY UNIMPRESSIVE DURING THE PAST SEVEN DAYS. ONLY EIGHT SMALL ENERGETIC EVENTS (FIVE CLASS M1 AND THREE M2) WERE OBSERVED FROM ASSORTED REGIONS. ASSOCIATED RADIO EMISSIONS WERE VERY SMALL. A SIGNIFICANT IONOSPHERIC DISTURBANCE WAS REPORTED DURING A CLASS M2 EVENT AT 26/2105Z; THE EVENT WAS NOT OBSERVED OPTICALLY DUE TO WEATHER. AS FAR AS WE KNOW NONE OF THE EVENTS WERE FROM MCMATH REGION 063 (S13E34, L131, RETURN OF REGION 019) WHICH PRODUCED THE ANOMALOUS IMPORTANCE 3B CLASS X2 PROTON EVENT OF 05 NOVEMBER. THE GEOMAGNETIC FIELD WAS QUIET THROUGHOUT THE PERIOD.

FORECAST FOR THE PERIOD 03-09 DECEMBER 1970--

ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL THROUGH 04 DECEMBER. THEREAFTER IT MAY INCREASE TO A MODERATE LEVEL, TWO TO FOUR ENERGETIC EVENTS PER DAY, AS MCMATH REGION 026/029 (N16, L035) RETURNS TO THE VISIBLE DISK. ACTIVITY IS NOT EXPECTED TO REACH THE HIGH LEVEL OBSERVED FOLLOWING THE EXPLOSIVE GROWTH OF THIS REGION ON 13-14 NOVEMBER. THE REGION WAS DECAYING AS IT APPROACHED THE WEST LIMB AND IT MAY BE INACTIVE UPON ITS RETURN. PREVIOUSLY ACTIVE MCMATH REGION 035 (N09, L344) MAY CONTRIBUTE TO THE ACTIVITY AS IT BEGINS ITS RETURN ON 07 DECEMBER.

28-DAY FORECAST FOR 03-31 DECEMBER 1970--

A MODERATE LEVEL OF ACTIVITY IS POSSIBLE DURING 05-22 DECEMBER. ANOTHER PERIOD OF ENHANCED ACTIVITY IS PROBABLE SOMETIME DURING THE FIRST HALF OF JANUARY.

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HAUS BOU 020400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 828A ISSUED 0400Z 02 DEC 1970

OCCASIONAL CLASS-C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 13 HOURS, SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL, AND ONLY A FEW CLASS-C FLARES HAVE BEEN REPORTED.

OCCASIONAL BRIGHT POINTS HAVE BEEN OBSERVED ALONG THE NEUTRAL LINE FILAMENT IN THE REGION AT N17E06; NO SIGNIFICANT DEVELOPMENT HAS BEEN NOTED IN ANY OF THE OTHER DISK REGIONS. THE GEOMAGNETIC FIELD HAS REMAINED EXCEPTIONALLY QUIET DURING THE PAST 24 HOURS.

B. OCCASIONAL CLASS-C FLARES ARE EXPECTED TO BE PRODUCED DURING THE NEXT 13 HOURS; THE N17E06 AND S11E47 REGIONS PROBABLY WILL BE RESPONSIBLE FOR MUCH OF THE ACTIVITY. THE GEOMAGNETIC FIELD EXPECTED TO REMAIN QUIET DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 DEC/0400Z ENDING 05 DEC/0400Z.

CLASS M OR GREATER 30/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 01/1700Z AND 01/2000Z WERE 151 AND 150 RESPECTIVELY.

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HAUS BOU 021725

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 828B ISSUED 1700Z 02 DEC 1970

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. A IN FLARE BEGAN AT 02/1558Z LOCATION S08E27. FLUCTUATIONS IN RF LEVELS AND A MINOR IONOSPHERIC DISTURBANCE WERE ASSOCIATED WITH THIS EVENT. THERE HAS BEEN LITTLE CHANGE IN THE STRUCTURE OF DISK REGIONS ALTHOUGH BRIGHT POINTS HAVE BEEN OBSERVED IN THE N17W02, S13E24 AND N08E15 REGIONS.

B. SOLAR ACTIVITY IS EXPECTED TO BE CONFINED TO NONENERGETIC EVENTS. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME SLIGHTLY MORE ACTIVELY SIMPLY BECAUSE OF ITS CURRENT LONG QUIET SPELL.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 DEC/1700Z ENDING 05 DEC/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 02/1400Z WAS 153. PREDICTED

10.7 CM FLUX FOR 03-05 DEC IS 150/155/160.

E. MAGNETIC A-FREDERICKSBURG FOR 01 DEC WAS 00. FOR 02 DEC ABOUT 02. PREDICTED AP FOR 03-05 DEC, 02/05/08.

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