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HAUS BOU 300400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 765A ISSUED 0400Z 30 SEPT 1970

ONLY INFREQUENT, NON-ENERGETIC FLARES ARE EXPECTED DURING
THE NEXT 13 HOURS.

A. THE PAST 24 HOURS HAVE PRODUCED LITTLE SIGNIFICANT DISK
ACTIVITY; ABOUT 10 SUBFLARES WERE REPORTED DURING THE
ENTIRE PERIOD.

BOTH LIMBS ARE QUIET.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE
24 HOUR PERIODS BEGINNING 30 SEPT/0400Z ENDING 03 OCT/0400Z.

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 29/1700Z AND 29/2000Z WERE 133
AND 164 RESPECTIVELY.

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HAUS BOU 301700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 765B ISSUED 1700Z 30 SEPT 1970

CLASS C FLARES EXPECTED IN THE NEXT 11 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. THE TRAILER SPOTS IN REGION N13W58 HAVE GROWN AND THE PLAGE IS BRIGHTER. SMALL SPOTS ARE EMERGING NW OF THE LARGE H SPOT LOCATED AT S07W15. A SMALL REGION IS MODERATELY ACTIVE ON THE LIMB AT SE12. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW; PERHAPS A COUPLE DOZEN SUBFLARES PER DAY SET AS AN UPPER LIMIT FLARE RATE. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 SEPT/1700Z ENDING 03 OCT/1700Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 30/1400Z WAS 134. PREDICTED 10.7 CM FLUX FOR 01-03 OCT IS 130/127/124.

E. MAGNETIC A-FREDERICKSBURG FOR 29 SEPT WAS 05. FOR 30 SEPT ABOUT 07. PREDICTED AP FOR 01-03 OCT, 06/06/06.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDFR 995 ISSUED 30 SEPTEMBER 1970

HIGHLIGHTS FOR THE PERIOD 23-29 SEPTEMBER 1970:

SOLAR ACTIVITY CONTINUED AT A VERY LOW LEVEL DURING THE PAST SEVEN DAYS. TWO SMALL CLASS M EVENTS WERE OBSERVED. AN IMPORTANCE 2N FLARE IN MCMATH REGION 959 (N17W48, L 324) AT 27/2125Z WAS CLASS M1, AND AN IMPORTANCE 1N FLARE IN MCMATH REGION 964 (S10E00, L 276) AT 28/0418Z WAS CLASS M2. THE 28/0418Z FLARE WAS ACCOMPANIED BY SMALL RADIO BURSTS AND A MINOR SHORT WAVE FADEOUT. THE GEOMAGNETIC FIELD WAS QUIET EXCEPT FOR 27 SEPTEMBER WHEN UNSETTLED CONDITIONS PRODUCED AN A-INDEX OF 16 AT FREDERICKSBURG.

FORECAST FOR THE PERIOD 01-07 OCTOBER 1970:

SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. NO MORE THAN SIX SMALL CLASS M EVENTS ARE EXPECTED DURING THE NEXT SEVEN DAYS. OLD MCMATH REGION 922 (N22, L 190), WHICH PRODUCED SEVEN SMALL M EVENTS DURING ITS LAST DISK PASSAGE, IS CROSSING THE EAST LIMB. ITS ASSOCIATED SPOT GROUPS WERE DECAYING AS IT APPROACHED THE WEST LIMB, AND IT NOW APPEARS TO BE RELATIVELY INACTIVE.

28-DAY FORECAST FOR THE PERIOD 01-29 OCTOBER 1970:

LOW TO MODERATE ACTIVITY IS EXPECTED TO PERSIST THROUGHOUT THE PERIOD. CURRENTLY AVAILABLE DATA INDICATE THAT THE ENTIRE SUN IS RELATIVELY INACTIVE. NEW REGIONS WILL HAVE TO DEVELOP BEFORE A SIGNIFICANT ENHANCEMENT IN ACTIVITY BECOMES LIKELY.

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