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HAUS BOU 250400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 637A ISSUED 0400Z 25 MAY 1970

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

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 11 HOURS.

THE REGION S06E40 HAS SHOWN GROWTH AND DEVELOPMENT AND AT PRESENT

IS THE LARGEST AND MOST IMPRESSIVE REGION ON THE DISK. THE REGION

SI0W73 HAS VERY COMPACT PLAGE AND IS BRIGHTEST ON THE DISK. THE

OTHER REGIONS HAVE REMAINED STABLE. A NEW REGION IS ROTATING ON THE

DISK AT N16. NO EVALUATION OF THIS REGION IS POSSIBLE AT THIS TIME.

THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT PRESENT LEVEL. THE

GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 25 MAY/0400Z ENDING 28 MAY/0400Z

CLASS M OR GREATER 40/40/40

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 24/1700Z AND 2000Z WERE 160 AND 161

RESPECTIVELY.

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HAUS BOU 251700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 637B ISSUED 1700Z 25 MAY 1970

NON ENERGETIC CLASS C FLARES ARE EXPECTED IN THE NEXT 24 HOURS.

A. WEATHER AND COMMUNICATION PROBLEMS ARE HAMPERING PRESENT SUN OBSERVATIONS AND ANALYSIS. A CLASS M FLARE WAS DETECTED AT 25/0915Z, SB, LOCATION S08E90. AN IMPORTANCE TWO ERUPTIVE PROMINENCE (EPL) OCCURRED AT 25/0615Z LOCATION NW25. ASSOCIATED WITH THIS EPL WERE MINOR IONOSPHERIC DISTURBANCES AND A 10CM RADIO BURST OF 40 FLUX UNITS. OVERALL SOLAR ACTIVITY IS AT A LOW LEVEL.

B. A SLIGHT INCREASE IN SOLAR ACTIVITY IS EXPECTED DUE TO RETURNING REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAY/1700Z ENDING 27 MAY/1700Z.

CLASS M OR GREATER 40/45/50

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM CM FLUX TODAY WAS 157 AT 1400Z. PREDICTED 155/157/160.

E. MAGNETIC A-FREDERICKSBURG FOR 24 MAY WAS 08. FOR 25 MAY ABOUT 12 PREDICTED AP FOR 26-28 MAY, 12/8/8.

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