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HAUS BOU 150400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 015A ISSUED 0400Z 15 JAN 1971

OCCASIONAL CLASS-C FLARES AND ONE OR TWO CLASS-M FLARES ARE LIKELY DURING THE NEXT 13 HOURS.

A. THE MOST SIGNIFICANT EVENT REPORTED DURING THE PAST 11 HOURS CONSISTED OF A CLASS-M5 SUBNORMAL FLARE AT 14/2032Z FROM THE RELATIVELY UNIMPRESSIVE REGION AT S23W77; THIS FLARE PRODUCED MODERATE IONOSPHERIC EFFECTS AND A SMALL RADIO BURST. ONLY A FEW OTHER FLARES HAVE BEEN OBSERVED, AND THEY HAVE BEEN SMALL AND NON-ENERGETIC. CONSIDERABLE SURGE ACTIVITY HAS OCCURRED NEAR THE N19E82 REGION, WHERE A MODERATELY LARGE H-TYPE SPOT AND FOLLOWING PENUMBRA ACCOMPANIED BY MODERATELY BRIGHT PLAGE ARE VISIBLE. DEVELOPMENT IS CONTINUING IN THE NEW D-TYPE REGION AT N10W16, WHERE BOTH THE SPOTS AND PLAGE APPEAR TO OUTLINE THE BOUNDARIES OF A SUPERGRANULAR CELL. RELATIVELY LITTLE RECENT CHANGE HAS OCCURRED IN THE OTHER DISK REGIONS. THE GEOMAGNETIC FIELD HAS EXHIBITED OCCASIONAL PERIODS OF SLIGHT DISTURBANCE DURING THE PAST 24 HOURS. ATS-1 PROTON COUNTING RATES REMAIN AT BACKGROUND LEVELS.

B. A SLOWLY RISING LEVEL OF SOLAR ACTIVITY IS ANTICIPATED DURING THE NEXT THREE DAYS. OCCASIONAL FLARES ARE EXPECTED TO OCCUR WITH INCREASING FREQUENCY FROM THE N10W16 AND N19E82 CENTERS, WHILE SPORADIC EVENTS ARE LIKELY AT THE S07W63 AND S23W77 REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT UNSETTLED CONDITIONS FOR THE NEXT SEVERAL DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 JAN/0400Z ENDING 18 JAN/0400Z.

CLASS M OR GREATER 75/80/85

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 14/2000Z WERE BOTH 159.
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THE NEXT DAY OR SO. CORONAL DATA INDICATES SOME INDEFINITE
REGION AND IN A REGION DUE TO RETURN
SHORTLY AT SE12-15. HELIOCENTRIC SATELLITE DATA SUGGESTS RESIDUAL
LOW ENERGY PARTICLE FLUX REMAINING FROM PRIOR ENERGETIC ACTIVITY

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HAUS BOU 151740

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 015B ISSUED 1700Z 15 JAN 1971

INFREQUENT CLASS M FLARES EXPECTED NEXT 11 HOURS.

A. MOST SIGNIFICANT EVENT IN THE PAST 13 HOURS WAS A CLASS
M3 FLARE IN THE REGION APPROACHING WEST LIMB AT SW25. OCCASIONAL
MINOR EVENTS HAVE ORIGINATED ALSO IN THE REGIONS AT N08W23,
S07W70 AND N19E73. SEVERAL ADDITIONAL LARGE STRUCTURES ARE STILL
COMING OVER THE EAST LIMB AT N18 INCLUDING SOME ACTIVE PLAGE.
B. SPORADIC EVENTS ARE EXPECTED FROM THE CURRENT DISK REGIONS.
THE S07W70 REGION REMAINS DORMANT BUT RETAINS MOST OF ITS STRUCTURE
AND MAY PRODUCE AN ISOLATED BUT MODERATELY ENERGETIC EVENT IN
THE NEXT DAY OR SO. CORONAL DATA INDICATES SOME INDEFINITE
POTENTIAL IN THE NE LIMB REGION AND IN A REGION DUE TO RETURN
SHORTLY AT SE12-15. HELIOCENTRIC SATELLITE DATA SUGGESTS RESIDUAL
LOW ENERGY PARTICLE FLUX REMAINING FROM PRIOR ENERGETIC ACTIVITY
IN ONE OR BOTH OF THESE REGIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 15 JAN/1700Z ENDING 18 JAN/1700Z.

CLASS M OR GREATER 75/80/80

CLASS X 10/10/10

PROTON EVENTS 02/02/05

D. OTTAWA 10.7 CM FLUX FOR 15/1400Z WAS 157.8. PREDICTED 10.7 CM
FLUX FOR 16-18 JAN IS 160/162/164.

E. MAGNETIC A-FREDERICKSBURG FOR 14 JAN WAS 08. FOR 15 JAN ABOUT 08
PREDICTED AP FOR 16-18 JAN 08/08/08.

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