

NNNN0357

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KMSC

HAUS BOU 270400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 853A ISSUED 0400Z 27 DECEMBER 1970

CLASS C ACTIVITY IS EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. THE REGIONS WHICH HAVE MADE THEIR WEST LIMB PASSAGE HAVE PRODUCED SEVERAL BSL'S AND MINOR X-RAY EVENTS. THE REGION N15E42 IS THE BRIGHTEST AND MOST INTERESTING DISK FEATURE. THE GEOMAGNETIC FIELD IS QUIET.

B. THE WEST LIMB ACTIVITY WILL DECREASE AS THE REGIONS ARE NOW BEYOND THE LIMB. THE REGION N15E42 THOUGH IT IS THE BRIGHTEST ON THE DISK IS NOT LIKELY TO PRODUCE ANY MAJOR ACTIVITY. THE GEOMAGNETIC FIELD WILL BE QUIET WITH SHORT PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 DEC/0400Z ENDING 30 DEC/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE 127 AND 124 RESPECTIVELY.

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KMSC

HAUS BOU 271700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 853B ISSUED 1700Z 27 DEC 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 11 HOURS.

A. ONLY MINOR ACTIVITY HAS OCCURRED DURING THE PAST 24 HOURS.

THE SOLAR DISK IS GENERALLY UNIMPRESSIVE WITH ONLY SIX SMALL REGIONS VISIBLE. SLOW DEVELOPMENT CONTINUES IN REGIONS NEAR S04W33 AND N11E23. SOME MAGNETIC COMPLEXITY MAY BE PRESENT IN THE TRAILING SECTION OF THE LATTER REGION. A NEW BIPOLAR GROUP IS EMERGING NORTH OF AN H-TYPE SPOT NEAR N16E31. MINOR SURGES CONTINUE ON THE WEST LIMB NEAR N14. THE SATELLITE LEVEL PROTON ENHANCEMENT WHICH BEGAN AT 24/0740Z CONTINUES. AS OF 27/1600Z PROTON FLUXES AT ATS-1 ARE OF THE ORDER OF 8 AND 2 PARTICLES PER SQ CM PER SEC IN THE 5-21 AND 21-70 MEV ENERGY RANGES. THE GEOMAGNETIC FIELD IS QUIET.

B. ONLY MINOR CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 72 HOURS. THE GEOMAGNETIC FIELD SHOULD REMAIN RELATIVELY QUIET THROUGH 29 DECEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 DEC/1700Z ENDING 30 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 27/1400Z WAS 123. PREDICTED

10.7 CM FLUX FOR 28-30 DEC IS 121/123/125.

E. MAGNETIC A-FREDERICKSBURG FOR 26 DEC WAS 03. FOR 27 DEC ABOUT 04. PREDICTED AP FOR 28-30 DEC, 08/08/10.

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