

NNNN0415

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KMSC

HAUS BOU 140415Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 506A ISSUED 0400Z 14 JAN 1970

AT MOST ONE OR TWO CLASS M FLARES ARE EXPECTED DURING THE NEXT  
13 HOUR PERIOD.

A. NO M-FLARE ACTIVITY HAS OCCURRED SINCE THE LAST FORECAST. CURRENT  
INTEREST CENTERS ON FIVE SMALL DEVELOPING REGIONS IN THE SOUTHERN  
HEMISPHERE. THESE SPOT GROUPS ARE ALL VERY NEARLY AT THE SAME  
LATITUDE, VIZ. S09. NONE EXCEEDS 400 MILLIONTHS IN TOTAL AREA, AND  
FROM WESTERN TO EASTERN EXTREMITY THEY SPAN ABOUT 80 DEGREES IN  
LONGITUDE. ~~RAATHER MINOR~~ <sup>NO SIGNIFICANT</sup> DEVELOPMENT HAS BEEN OBSERVED WITHIN ANY OF  
THEM DURING THE PAST 12 HOURS. CARNARVON AND CULGOORA OBSERVATORIES  
REPORT BRIGHT SURGE ACTIVITY ON THE EAST LIMB NEAR N12 WHERE NEW  
SPOT-LESS PLAGE IS ROTATING INTO VIEW.

B. THE 2 EASTERNMOST REGIONS OF THE GROUP MENTIONED ABOVE ARE  
LOCATED NEAR THE FAVORABLE 70 DEGREES CARRINGTON LONGITUDE. THEIR  
PREFERRED POSITIONS MAKE THEM THE MOST LIKELY CANDIDATES FOR FURTHER  
GROWTH AND SUBSEQUENT FLARE ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 14 JAN/0400Z ENDING 17/0400Z

CLASS M OR GREATER 65/70/70

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 13/1700Z AND 2000Z WERE 179 AND 131  
RESPECTIVELY.

SOLTERWARN

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NNNN1705

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KMSC

HAUS BOU 141710Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 506B ISSUED 1700Z 14 JAN 1970

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 11 HOURS.

A. CLASS C FLARE ACTIVITY HAS BEEN AT A MODERATE LEVEL. THE MOST SIGNIFICANT CHANGE HAS BEEN NEW PENUMBRAL GROWTH BETWEEN THE LEADER AND FOLLOWER IN THE REGION AT S10W11. NEW PLAGE AREAS ARE ROTATING OVER EL AT N15 AND S12. THE GEOMAGNETIC FIELD IS QUIET. THE 1-8 ANGSTROM BACKGROUND FLUX IS FALLING.

B. OCCASIONAL CLASS M FLARES ARE PROBABLE DURING THE NEXT THREE DAYS FROM THE S10W11 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14/1700Z ENDING 17/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX TODAY IS 177. PREDICTED 170/162/154.

E. MAGNETIC A-FREDERICKSBURG FOR 13 JAN WAS 05. FOR 14 JAN ABOUT 05. PREDICTED AP FOR 15-17 JAN; 03/03/10.

SOLTERWARN

SPAN

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