

NNNN0350

NNNN

KMSC

HAUS BOU 200400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 512A ISSUED 0400Z 20 JANUARY 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. FLARE ACTIVITY CONTINUES AT A VERY LOW LEVEL. ONLY A FEW CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 11 HOURS. THE REGION AT S13W23 HAS DEVELOPED AND APPEARS THE MOST LIKELY FOR FLARE PRODUCTION. OTHER REGIONS APPEAR STABLE. BSL ACTIVITY EL S10-S18 INDICATES A NEW REGION ROTATING ON THE DISK. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS C AND AN OCCASIONAL CLASS M EVENT ARE EXPECTED DURING THE NEXT 24 HOURS. THE REGION S13W23 IS MOST LIKELY TO PRODUCE CLASS M.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JAN/0400Z ENDING 23 JAN/0400Z

CLASS M OR GREATER 35/35/35

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX 19/1700Z AND 2000Z WERE 181 AND 184 RESPECTIVELY.

SOLTERWARN

SPAN

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NNNN1704

NNNN

KMSC

HAUS BOU 201700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 512B ISSUED 1700Z 20 JANUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY CLASS C FLARES BEING OBSERVED. A LARGE RETURNING D-TYPE SPOT IS

LOCATED AT S18E77. A NEW B-TYPE SPOT GROUP IS LOCATED AT S22W52 AND IN H-ALPHA SHOWS A HOT PLAGE REGION. THE LEADER

SPOT IN THE REGION AT S13W34 IS MERGING WITH THE SPOT GROUP AT S10W41. THE REMAINING REGIONS ARE STABLE. THE GEOMAGNETIC

FIELD IS CURRENTLY SLIGHTLY DISTURBED.

B. AN INCREASE IN FLARE ACTIVITY IS PROBABLE IF INTERACTION OF THE S13W34 AND S10W41 REGIONS CONTINUE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20/1700Z ENDING 23/1700Z.

CLASS M OR GREATER 30/35/35

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 173. PREDICTED 170/165/157.

E. MAGNETIC A-FREDERICKSBURG FOR 19 JAN WAS 03. FOR 20 JAN ABOUT

06. PREDICTED AP FOR 21-23 JAN 06/08/08.

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