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KMSC

HAUS BOU 190400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 050A ISSUED 0400Z 19 FEB 1971

SPORADIC CLASS-M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST 11 HOURS.

ONLY A FEW CLASS-C FLARES HAVE BEEN REPORTED. THE ACTIVE CENTER AT S16E60 REMAINS THE MOST IMPRESSIVE REGION ON THE DISK.

ACCORDING TO THE MOUNT WILSON OBSERVATORY, THE SPOT GROUP AT

S16E60 CONTAINS A MAGNETIC DELTA CONFIGURATION IN THE

TRAILING PENUMBRA. RELATIVELY LITTLE ACTIVITY HAS BEEN OBSERVED

IN THE NEW REGION AT S07E78, WHERE AN H-TYPE SPOT AND MODERATELY

BRIGHT PLAGE ARE VISIBLE. SLIGHT DEVELOPMENT HAS CONTINUED IN THE

REGION AT N16W17. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY

QUIET DURING THE PAST 24 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, OCCASIONAL CLASS-C AND

CLASS-M FLARES ARE LIKELY. SOLAR ACTIVITY IS EXPECTED TO BE

DOMINATED BY THE S16E60 REGION. QUIET GEOMAGNETIC CONDITIONS

ARE PROBABLE FOR AT LEAST THE NEXT 24 HOURS.

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

HOUR PERIODS BEGINNING 19 FEB/0400Z ENDING 22 FEB/0400Z.

CLASS M OR GREATER 90/90/90

CLASS X 10/10/10

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 18/2000Z WERE 134

AND 131 RESPECTIVELY.

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HAUS BOU 191705

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 50B ISSUED 1700Z 19 FEB 1971

CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. FREQUENT MINOR FLARES HAVE BEEN REPORTED FROM REGIONS AT S16E51 AND N21W38. THE REGION AT S16E51 CONTINUES IN A DEVELOPMENT PHASE.

A SIMPLE REGION WITH A LARGE SPOT IS NOW AT S10E72 AND SURGES AT SE8-10 INDICATE THE RETURN OF A REGION AT THAT LOCATION.

B. FREQUENT FLARES ARE EXPECTED TO CONTINUE, ESPECIALLY AT S18E51 WHERE SPORADIC CLASS M EVENTS ARE EXPECTED AS DEVELOPMENT CONTINUES. NUMEROUS MINOR FLARES ARE EXPECTED FROM THE RAPIDLY GROWING BUT NOMINAL BIPOLAR REGION AT N21W38. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY DISTURBED FOR THE NEXT 24 TO 48 HOURS AND THEN INTENSIFY TO A DISTURBANCE OF NEAR-STORM LEVELS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 FEB/1700Z ENDING 22 FEB/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 10/12/15

PROTON EVENTS 01/03/05

D. OTTAWA 10.7 CM FLUX FOR 19/1400Z WAS 140.2. PREDICTED 10.7 CM FLUX FOR 20-22 FEB IS 143/144/145.

E. MAGNETIC A-FREDERICKSBURG FOR 18 FEB WAS 07. FOR 19 FEB ABOUT 08 PREDICTED AP FOR 20-22 FEB, 10/15/15.

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