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KMSC

HAUS BOU 150400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 538A ISSUED 0400Z 15 FEBRUARY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. CLASS M ACTIVITY DURING THE LAST FORECAST PERIOD CONSISTED OF ONLY ONE EVENT 14/1822Z FROM REGION N17W50. THIS FLARE WAS CLASSIFIED OPTICAL IN. THE REGION S20E57 HAS SIMPLIFIED MAGNETICALLY BUT IT IS STILL BRIGHTEST ON THE DISK. THE FLARES OBSERVED TODAY HAVE BEEN FROM REGIONS N18W54 AND S12E33. THE GEOMAGNETIC FIELD IS STILL DISTURBED BUT HAS NOT REACHED STORM PROPORTIONS.

B. FLARE ACTIVITY CLASS C AND AN OCCASIONAL CLASS M EVENT CAN BE EXPECTED FROM N18W54 AND S12E33. THE GEOMAGNETIC FIELD WILL DECLINE IN ACTIVITY DURING THIS FORECAST PERIOD.

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

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 14/1700Z AND 2000Z WERE 201 AND 204 RESPECTIVELY.

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KMSC

HAUS BOU 151720Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 538B ISSUED 1700Z 15 FEB 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. THE REGION NOW NEAR N18W65 PRODUCED AN IMP ONE BRIGHT
CLASS M FLARE AT 15/1041Z. THE TRAILING SPOTS IN THIS
REGION HAVE DECAYED APPRECIABLY IN THE PAST 24 HOURS. AN
IMP ONE NORMAL FLARE AT 15/0520Z IN THE S20E47 REGION WAS
PROBABLY CLASS M ALSO; THIS FLARE WAS ACCCOMPANIED BY AN
IMP 2 SWF. THIS REGION SHOWS LITTLE CHANGE. AS MENTIONED
IN SDF 538A, THE REGION PROBABLY NO LONGER CONTAINS A
MAGNETIC DELTA CONFIGURATION, BUT EXCEEDINGLY DARK UMBRAE
IN BOTH LEADER AND FOLLOWER ARE INDICATIVE OF HIGH FIELD
STRENGTHS. THE ASSOCIATED PLAGE REMAINS BRIGHT. THE COMPLEX
OF REGIONS WHICH PRODUCED MANY CLASS M EVENTS AND TWO SMALL
SATELLITE-DETECTED PROTON EVENTS DURING THE LAST WEEK OF
JANUARY IS BEGINNING ITS EAST-LIMB TRANSIT. AN H-TYPE SPOT IS
NOW LOCATED NEAR S12E85 AND TWO AS YET UNCLASSIFIED SPOTS
CAN BE SEEN ON THE SE LIMB. PROMINENCE AND SURGE ACTIVITY HAVE
BEEN REPORTED FROM SE00 TO SE30 AND AN IMP ONE NORMAL
FLARE WAS REPORTED NEAR S23EL AT 15/1112Z. THE GEOMAGNETIC
FIELD IS STILL SLIGHTLY DISTURBED.

B. INFREQUENT CLASS M FLARES ARE LIKELY FROM THE N18E65 AND
S20E47 REGIONS DURING THE NEXT 72 HOURS. BOTH CLASS M AND
CLASS X ACTIVITY MUST BE CONSIDERED POSSIBLE FROM THE
RETURNING SE COMPLEX UNTIL THESE REGIONS ARE FAR ENOUGH
ONTO THE DISK FOR EVALUATION.

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

CLASS M OR GREATER 70/80/80

CLASS X 10/15/15

PROTON EVENTS 5/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 202. PREDICTED 200/198/192.

E. MAGNETIC A-FREDERICKSBURG FOR 14 FEB WAS 08. FOR 15 FEB
ABOUT 10 PREDICTED AP FOR 16-18 FEB, 10/10/08.

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