

WAN 1970

NNNN

KMSC

HAUS BOU 190455Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 570A ISSUED 0400Z 19 MAR 1970

M ACTIVITY IS LIKELY FROM THE NE LIMB DURING THE NEXT 13-HOUR PERIOD.

A. WHAT APPEARS TO BE THE REMNANT OF MCMATH REGION 595 HAS ROTATED INTO VIEW NEAR N14. TWO H-TYPE SPOT GROUPS HAVE ALSO JUST CLEARED THE LIMB NEAR S05 AND N19. A SMALL M FLARE YESTERDAY BEGINNING ABOUT 1138Z WAS REPORTED NEAR N14 LIMB. ACTIVITY FROM APPROXIMATELY N10 TO N20 HAS BEEN CONTINUOUS TAKING THE FORM OF BSL'S AND BOTH ACTIVE AND QUIESCENT PROMINENCES. ONE OTHER M EVENT OCCURRED DURING THE PAST ZULU DAY. ITS START TIME WAS NEAR 0716Z AND TOOK PLACE WITHIN THE SIMPLE-STRUCTURED S14E37 REGION.

B. EVIDENCE CURRENTLY AT HAND IMPLIES THAT ANY GROUP ASSOCIATED WITH THE N14E78 PLAGE WILL VERY LIKELY BE IN A DECAYING DEVELOPMENT STAGE. (NUMBER 595 HAS BEEN ASSUMED TO BE THE SOURCE OF MAR 08'S GREAT MAGNETIC STORM.) PIONEER 6 AND 7 LOW ENERGY SOLAR COSMIC RAY DETECTORS, I.E. THE 0.6 TO 13 MEV CHANNEL, HAVE INDICATED THAT ONLY A WEAK RESIDUE OF PARTICLES IS STILL ASSOCIATED WITH THE LONGITUDE. NO LARGE INCREASE IN ACTIVITY IS FORSEEN DURING THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 MAR/0400Z ENDING 22 MAR/0400Z.

CLASS M OR GREATER 40/50/50

CLASS X 02/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 18/1700 AND 2000Z WERE 135 AND 136 RESPECTIVELY.

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HAUS BOU 191700Z

FROM PACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 570B ISSUED 1700Z 19 MARCH 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH A SMALL

CLASS M FLARE BEING OBSERVED AT 19/0615Z /IMP SN/ AT

N10E75. ALL REGIONS CURRENTLY ON THE DISK ARE VERY UNIMPRESSIVE

AND SAMLL. THE TWO REGIONS AT N18E64 AND N11E68 BOTH SHOW

VERY WEAK AND OLD PLAGE STRUCTURES. SMALL BSL'S HAVE BEEN

OBSERVED AT N15EL MARKING THE RETURN OF A PREVIOUSLY ACTIVE

REGION. THE GEOMAGNETIC FIELD IS QUIET.

B. ONLY A SLIGHT INCREASE IN CLASS M ACTIVITY IS EXPECTED

DURING THE NEXT THREE DAYS BASED ON THE RETURNING REGION AT

N15EL. THIS REGION IS ANTICIPATED TO BE UNIMPRESSIVE.

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

HOUR PERIODS BEGINNING 19/1700Z ENDING 22/1700Z.

CLASS M OR GREATER 40/50/50

CLASS X 05/10/10

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 132. PREDICTED 132/135/140.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAR WAS 04. FOR 19 MAR

ABOUT 05. PREDICTED AP FOR 20-22 MAR 06/08/08.

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