

KMSC

HAUS BOU 200400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 602A ISSUED 0400Z 20 APRIL 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. A CLASS M EVENT OCCURRED 19/1827Z. THERE WAS NO OPTICAL EVENT OBSERVED. THIS ACTIVITY WAS PROBABLY ASSOCIATED WITH THE REGION WHICH HAD MADE ITS WEST LIMB PASSAGE YESTERDAY. ALL THE REGIONS ON THE DISK ARE QUIET AND THE GEOMAGNETIC FIELD REMAINS DISTURBED.

B. SOLAR ACTIVITY WILL REMAIN LOW SINCE NO REGION ON THE DISK HAS SHOWN ANY RAPID GROWTH OR DEVELOPMENT DURING THE PAST 24 HOURS.

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

CLASS M OR GREATER 30/30/30

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 19/1700Z AND 2000Z WERE 134 AND 136 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNNU0400

NNNN1713

NNNN

KMSC

HAUS BOU 201713Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 602B ISSUED 1700Z 20 APRIL 1970

ONLY CLASS-C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST 13 HOURS; ONLY INFREQUENT SUBFLARES HAVE BEEN REPORTED. THE NEW BIPOLAR REGION AT S08E32 HAS SHOWN SOME GROWTH; THE TRAILING PORTION OF THIS REGION APPEARS TO BE DOMINANT OVER THE LEADER. TWO NEW BIPOLAR GROUPS HAVE APPEARED AT N10E31. A REGION OF PLAGE IS LOCATED AT S08W45 AT THE END OF A FILAMENT WHERE NO SPOTS PRESENTLY ARE VISIBLE. AN IMPORTANCE-1 SPRAY WAS OBSERVED AT 1457Z AT NW18, INDICATING POSSIBLE CONTINUED ACTIVITY FROM THE ACTIVE REGION THAT COMPLETED DISK PASSAGE YESTERDAY. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED SINCE A SUDDEN STORM COMMENCEMENT AT 20/1122Z.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. NONE OF THE REGIONS PRESENTLY ON THE DISK APPEAR CAPABLE OF PRODUCING SIGNIFICANT ACTIVITY DURING THE NEXT 24 HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SOMEWHAT DISTURBED.

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

CLASS M OR GREATER 30/30/30

CLASS X 02/02/02

PROTON EVENTS 05/02/01

D. OTTAWA 10.7 CM FLUX TODAY IS 132. PREDICTED 130/132/134.

E. MAGNETIC A-FREDERICKSBURG FOR 19 APRIL WAS 18. FOR 20 APRIL ABOUT 14 PREDICTED AP FOR 21-23 APRIL, 12/10/10.

SOLTERWARN

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