

#NNNN

KBOU

HAUS BOU 190500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 139A ISSUED 0500Z 19 MAY 1971

ONLY CLASS C SOLAR ACTIVITY IS EXPECTED DURING THE NEXT
24 HOURS.

A. DURING THE PAST 7 HOURS, ONLY MINOR CHANGES IN THE SOLAR
DISK HAVE BEEN OBSERVED. THE GAMMA-TYPE SPOT GROUP AT N06W25
CONTAINS A WEAK DELTA CONFIGURATION SOUTH OF THE PRIMARY FOLLOWER
SPOT. ONE SUB-FAINT FLARE AND AN ACTIVE FILAMENT HAVE BEEN OB-
SERVED RECENTLY IN THIS N06W25 REGION. THE NEW REGION AT S03W85
HAS PRODUCED A SUB-FAINT FLARE. OTHER REGIONS HAVE REMAINED QUIET.
A RUDIMENTARY H-TYPE SPOT GROUP ACCOMPANIED BY DULL, UNIMPRESSIVE
PLAGE IS VISIBLE AT N15E70. THE GEOMAGNETIC FIELD HAS EXHIBITED
UNSETTLED CONDITIONS DURING THE PAST 7 HOURS, WITH A MAXIMUM K-INDEX
OF TWO AT BOULDER FOR THE TIME PERIOD 19/0000-0300Z.

B. DURING THE THREE-DAY FORECAST PERIOD, SOLAR ACTIVITY IS
EXPECTED TO CONSIST OF SPORADIC CLASS C SUBFLARES WITH PERHAPS
ONE SMALL CLASS M FLARE FROM THE N06W25 REGION. THE GEOMAGNETIC
FIELD PROBABLY WILL REMAIN IN AN UNSETTLED CONDITION DURING THE
NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 19 MAY/0500Z ENDING 22 MAY/0500Z.

CLASS M OR GREATER 45/40/35

CLASS X 05/02/01

PROTON EVENTS 01/01/01

SOLTERWARN

SPAN

BT

HAUS BOU 192205

FROM SPACE ENVIRONMENT FORECAST CENTER BOULDER COLO

SDF NUMBER 139B ISSUED 2200Z 19 MAY 1971

CLASS C FLARE ACTIVITY EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. THE N07W31 REGION\ ALTHOUGH IN ITS DECAYING STAGES\ APPEARS TO HAVE UNDERGONE RECENTLY SOME COMPLICATING CHANGES\ THE NEUTRAL LINE HAS BECOME MORE KINKED AND PLAGE AND FILAMENT STRUCTURE IS HARDENING. THE N15E60 REGION WITH A TYPE SPOTS HAS BRIGHT ACTIVE PLAGE. QUITE A BIT OF LIMB ACTIVITY AT SW03\ SURGES AND ACTIVE PROMINENCES\ MARKS THE PASSAGE OF A SMALL BUT PROBABLY DEVELOPING REGION NOT MORE THAN 2 DAYS OLD.

B. CLASS C SUBFLARES EXPECTED FROM THE NW AND NE REGIONS DURING THE NEXT THREE DAYS. QUIET GEOMAGNETIC CONDITIONS EXPECTED TO PREVAIL.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 MAY/0000Z ENDING 22 MAY/2400Z.

CLASS M OR GREATER 40/40/35

CLASS X 02/02/02

PROTON EVENTS 05/05/02

D. OTTAWA 10.7 CM FLUXES FOR 19/1400Z\ 19/1700Z AND 19/2000Z WERE 107\ 109 AND 107 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 20-22 MAY IS 104/102/100.

E. MAGNETIC A-FREDERICKSBURG FOR 18 MAY WAS 38. FOR 19 MAY ABOUT 05. PREDICTED AP FOR 20-22 MAY\ 05/05/08.

SOLTERWARN

SPAN

BT