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HAUS BOU 190400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 662A ISSUED 0400Z 19 JUNE 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 11 HOURS HAS CONSISTED OF A FEW CLASS C SUBFLARES. THE REGIONS ON THE DISK HAVE STABILIZED AND ARE NOT PRODUCING MUCH ACTIVITY. THE REGION N18W22 IS SHOWING SIMULTANEOUS GROWTH AND DECAY IN THE FOLLOWER PART OF THE REGION. DEEP RIVER NEUTRON COUNT WAS SHOWING SMALL FORBUSH DECREASE. DATA FROM THIS STATION HAS NOT BEEN RECEIVED FOR THE LAST SIX HOURS. THE GEOMAGNETIC FIELD IS QUIET AT PRESENT TIME.

B. CLASS M FLARES ARE PROBABLE FROM REGIONS N16W68, N18W25 AND N20W13. THE GEOMAGNETIC FIELD WILL CONTINUE TO HAVE PERIODS OF DISTURBANCE.

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

CLASS M OR GREATER 75/70/70

CLASS X 25/25/25

PROTON EVENTS 25/25/25

D. OTTAWA 10.7 CM FLUXES FOR 18/1700Z AND 18/2000Z WERE 176 AND 177 RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 662B ISSUED 1700Z 19 JUNE 1970
CLASS-C FLARES ARE EXPECTED AND CLASS-M FLARES ARE PROBABLE
DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING
THE PAST 13 HOURS; NO CLASS-M EVENTS HAVE BEEN REPORTED. ALL THE
SITES OF RECENT ENERGETIC FLARE ACTIVITY ARE DECAYING; LIMB ACTIVITY
NEAR NE05 INDICATES THE EXISTENCE OF AN ACTIVE REGION JUST BEHIND
THE EDGE OF THE DISK. DEEP RIVER NEUTRON COUNTING RATES REMAIN
DEPRESSED, AND ATS-1 SATELLITE PROTON COUNTING RATES ARE NEAR
NORMAL. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING
THE PAST 13 HOURS.

B. INFREQUENT, RELATIVELY NON-ENERGETIC FLARES ARE PROBABLE FROM
THE REGIONS AT N21W23, N20W34, AND N16W80; PERHAPS A FEW OF THESE
EVENTS WILL REACH CLASS-M INTENSITY. IT IS SOMEWHAT LIKELY THAT
THE REGIONS AT N21W23 AND N20W34 MAY PRODUCE A "DYING GASP" EVENT,
POSSIBLY WITH PROTONS, BEFORE THEY CROSS THE WEST LIMB SEVERAL DAYS
FROM NOW. THE REGION JUST BEHIND THE LIMB NEAR NE05 MAY PRODUCE
SEVERAL ENERGETIC FLARES DURING THE NEXT 11 HOURS. OCCASIONAL
PERIODS OF SLIGHT DISTURBANCE OF THE GEOMAGNETIC FIELD ARE EXPECTED.

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

CLASS M OR GREATER 70/70/70

CLASS X 15/10/10

PROTON EVENTS 20/15/15

D. OTTAWA 10.7CM FLUX FOR 19/1400Z WAS 168. PREDICTED 10.7CM
FLUX FOR 20-22 JUNE IS 158/150/142.

E. MAGNETIC A-FREDERICKSBURG FOR 18 JUNE WAS 20. FOR 19 JUNE
ABOUT 10. PREDICTED AP FOR 20-22 JUNE IS 12/12/10.

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