

NNNN0350

NNNN

KMSC

HAUS BOU 210400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 513A ISSUED 0400Z 21 JAN 1970

NO ACTIVITY ABOVE A CLASS C FLARE IS EXPECTED DURING THE NEXT 13 HOURS.

A. NO IMPORTANT LIMB OR DISK ACTIVITY HAS BEEN OBSERVED IN THE INTERIM SINCE THE PREVIOUS FORECAST. ALL BUT ONE OF THE VISIBLE REGIONS CONTINUE TO EVOLVE SLOWLY. THIS ONE GROUP, NEAR S22W58, IS A DEVELOPING BIPOLAR CENTER AND HAS ASSOCIATED WITH IT ONE OF THE BRIGHTEST HYDROGEN PLACES ON THE DISK.

B. NO CHANGE. SEE PREVIOUS MESSAGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21 JAN/0400Z ENDING 24/0400Z

CLASS M OR GREATER 30/30/35

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 20/1700Z AND 2000Z WERE 179 AND 178 RESPECTIVELY.

SOLTERWARN

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NNNN1707

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KMSC

HAUS BOU 211700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 513B ISSUED 1700Z 21 JANUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 14-21 JANUARY 1970--

ALTHOUGH THE PAST EIGHT DAYS HAVE BEEN CHARACTERIZED BY LOW SOLAR ACTIVITY, THE R-NUMBER RANGED FROM 350 ON 15 JANUARY TO 118/ 9, 20 JANUARY. THE MANY SMALL SPOT GROUPS VISIBLE DURING THE PERIOD GAVE RISE TO ONLY TWO CLASS M EVENTS WHICH INTURN INITIATED NO GEOPHYSICAL PHENOMENA. CURRENT DISK FEATURES INCLUDE EIGHT OR MORE SPOT GROUPS, NONE OF WHICH ARE LARGER THAN 200 MILLIONTHS IN AREA, WITH THE MAJORITY CONCENTRATED IN THE SW QUADRANT.

B. FORECAST FOR THE PERIOD 22-28 JANUARY 1970--

ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH ABOUT 25 JANUARY.

28-DAY FORECAST FOR THE PERIOD 22 JANUARY-18 FEBRUARY 1970--

12-18 FEBRUARY SHOULD MARK THE NEXT PERIOD OF ABOVE AVERAGE FLARE PRODUCTION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 21/1700Z ENDING 24/1700Z.

CLASS M OR GREATER 30/25/25

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 179. PREDICTED 170/162/155.

E. MAGNETIC A-FREDERICKSBURG FOR 20 JAN WAS 05. FOR 21 JAN

ABOUT 06. PREDICTED AP FOR 22-24 JAN 06/08/08.

SOLTERWARN

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