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KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 520A ISSUED 0400Z 28 JAN 1970

ONE OR TWO M-FLARES ARE EXPECTED DURING THE NEXT 13-HOUR PERIOD.

A. THE MOST RECENTLY REPORTED FLARES HAVE BEEN SUBNORMALS FROM WITHIN THE S15W23 BETA SUB P GROUP. THIS REGION'S CURRENT CLASS-AREA OF E/510 MAKES IT THE LARGEST ONE VISIBLE. IN ADDITION SINCE ABOUT 27/2213Z THE NORTHERN PORTION OF ITS HYDROGEN PLAGE HAS BEEN THE BRIGHTEST STRUCTURE ON THE DISK. NO MAJOR CHANGES WERE NOTED IN THE OTHER NINE CENTERS.

B. NO MORE THAN 2 HARD X-RAY PRODUCING FLARES /CLASS M/ ARE EXPECTED PER 24 HOURS FOR THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 JAN/0400Z ENDING 31 JAN/0400Z

CLASS M OR GREATER 65/70/70

CLASS X 10/15/15

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 27/1700 AND 2000Z WERE 168 AND 162 RESPECTIVELY.

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KMSC

HAUS BOU 281700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 520B ISSUED 1700Z 28 JANUARY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 21-28 JANUARY 1970--

A TOTAL OF FOUR M EVENTS WERE RECORDED DURING THIS PERIOD. TWO OCCURRED ON 24 JANUARY AND WERE THOUGHT ASSOCIATED WITH A SMALL DECAYING REGION WHICH PASSED OVER THE WEST LIMB NEAR S13 EARLIER THAT DAY. THE REMAINING TWO X-RAY EVENTS ORIGINATED FROM WITHIN A CENTER NEAR S15W30 THAT PRESENTLY DOMINATES THE DISK. LISTED AS MCMATH REGION 539, THIS BIPOLAR GROUP BORDERS ON BECOMING A SEAT OF MAJOR ACTIVITY. ITS CURRENT CLASS/AREA, MAXIMUM LONGITUDINAL FIELD STRENGTH, AND 9.1CM BRIGHTNESS TEMPERATURE ARE E/600, 2400 GAUSS, AND 46,000K RESPECTIVELY. ON THE OTHER HAND THE GEOMAGNETIC FIELD WAS CHARACTERIZED BY EXTREMELY QUIET CONDITIONS. BOULDER'S A-INDEX DID NOT EXCEED FIVE DURING THE PAST EIGHT DAYS.

B. FORECAST FOR THE PERIOD 28 JANUARY-04 FEBRUARY 1970--

A MODERATE LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE THROUGH 01 FEBRUARY. A FEW MODERATE GEOPHYSICAL EFFECTS ARE EXPECTED FROM MCMATH REGION 539. A SERIES OF SMALL INACTIVE SOUTHERN HEMISPHERE REGIONS WILL BE REQRNING LATE ON 02 FEBRUARY.

28-DAY FORECAST FOR THE PERIOD 28 JANUARY-25 FEBRUARY 1970--

IT IS ANTICIPATED THAT THE NEXT PASSAGE OF CARRINGTON LONGITUDE 070 WILL BE A PRODUCTIVE ONE. THE 14-DAY PERIOD IT FACES THE EARTH BEGINS 06 FEBRUARY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28/1700Z ENDING 31/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 174. PREDICTED 180/182/182.

E. MAGNETIC A-FREDERICKSBURG FOR 27 JAN WAS 03. FOR 28 JAN ABOUT 03. PREDICTED AP FOR 29-31 JAN 06/08/08.

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