

HAUS BOU 020400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 737A ISSUED 0400Z 02 SEPT 1970

ATTENTION TO THE NE LIMB CLN M-FLARES ARE EXPECTED IN THAT VICINITY OF THE DISK THESE NEXT 13 HOURS.

A. ONLY A FEW CLASS C FLARES AND A SMALL M EVENT HAVE BEEN REPORTED SINCE YESTERDAY'S MESSAGE. THE LATTER OCCURRED NEAR N20E90 WITH A START TIME SHORTLY BEFORE 01/2215Z. NO OTHER SPOT GROUP COMPARES IN OVERALL ACTIVITY AT THE MOMENT. EVEN THE LARGE BIPOLAR REGION NEAR N17E44 REMAINS DORMANT. AS MAY BE RECALLED A MINOR MAGNETIC DISTURBANCE BEGAN ABOUT 1030Z YESTERDAY. CURRENT MAGNETOMETER RESPONSES, HOWEVER, HAVE RETURNED TO ESSENTIALLY THE QUIET-DAY CURVE.

B. THE REGION ROTATING INTO VIEW ALONG THE NE LIMB MAY VERY WELL BE IN A DEVELOPING STAGE-AT LEAST THIS IS WHAT IS IMPLIED BY THE OPTICAL, CORONAL, AND PIONEER 7 DATA. THIS SPOT GROUP ALONG WITH THE F/790 DISK FEATURE NEAR N17E44 PROVIDE THE MOST FAVORABLE CONDITIONS FOR EVERGETIC ERUPTIONS WITHIN THE FORECAST PERIOD. AN INTERPLANETARY SECTOR BOUNDARY SHOULD SWEEP BY EARTH TWO DAYS FROM NOW GENERATING SUBSTORM LEVEL GEOMAGNETIC FIELD FLUCTUATIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 SEPT/0400Z ENDING 05 SEPT/0400Z.

CLASS M OR GREATER 80/90/90

CLASS X 15/30/30

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 01/1700Z AND 01/2000Z WERE 151 AND 154 RESPECTIVELY.

SOLTERWARN

SPAN

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HAUS BOU 021700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 737B ISSUED 1700Z 02 SEP 1970

SPORADIC CLASS-M FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 13 HOURS; ONE SMALL CLASS-M EVENT OCCURRED AT 02/1041Z FROM THE LIMB NEAR NE20, AND SEVERAL CLASS-C FLARES AND SURGES HAVE BEEN OBSERVED AT THAT LOCATION. A NEW H-TYPE SPOT WITH AN AREA OF ABOUT 50 MILLIONTHS IS VISIBLE AT N23E90, AND ANOTHER NEW H-TYPE SPOT WITH AN APPROXIMATE AREA OF 90 MILLIONTHS IS LOCATED AT N10E38. THE PLAGE ASSOCIATED WITH THE SPOTS NEAR THE NORTHEAST LIMB DOES NOT APPEAR PARTICULARLY IMPRESSIVE. THOUGH PRESENTLY DORMANT, THE LARGE E/850 REGION AT N17E34 CONTAINS ENHANCED PLAGE IN THE TRAILER SECTION AND RETAINS A SOMEWHAT THREATENING APPEARANCE. SOME ENHANCED PLAGE IS VISIBLE NEAR N19E15, WHERE A RELATIVELY NON-ENERGETIC ONE-NORMAL FLARE OCCURRED AT 02/1325Z. OTHER DISK REGIONS DO NOT APPEAR CAPABLE OF SIGNIFICANT ACTIVITY. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT DISTURBED DURING THE PAST 24 HOURS.

B. SPORADIC ENERGETIC FLARES ARE EXPECTED TO BE PRODUCED AT THE NE20, N17E34, AND N19E15 SITES DURING THE FORECAST PERIOD. THE GEOMAGNETIC FIELD IS EXPECTED TO BE SLIGHTLY UNSETTLED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 SEP/1700Z ENDING 05 SEP/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 15/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX FOR 02/1400Z WAS 154. PREDICTED 10.7CM FLUX FOR 03-05 SEP IS 153/163/167.

E. MAGNETIC A-FREDERICKSBURG FOR 01 SEP WAS 25. FOR 02 SEP ABOUT 13. PREDICTED AP FOR 03-05 SEP IS 12/15/15.

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