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HAUS BOU 090410

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 099A ISSUED 0400Z 09 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS, ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. THE DEVELOPING ACTIVE CENTER AT N11W56 IS THE MOST IMPRESSIVE DISK FEATURE. THIS BIPOLAR REGION HAS EXHIBITED RECENT SPOT GROWTH IN THE TRAILING SECTION AND PLAGE FLUCTUATIONS WEST OF THE LEADING SPOT. MINOR DEVELOPMENT ALSO HAS OCCURRED IN THE DORMANT REGION AT N16E07. THE ENHANCED PLAGE NOW CROSSING THE WEST LIMB AT NW15 PROBABLY REPRESENTS AN EMERGING BIPOLAR STRUCTURE NEAR THE SITE OF AN OLD SPOT GROUP. OTHER REGIONS ON THE DISK ARE SMALL AND UNIMPRESSIVE. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 11 HOURS.

B. DURING THE 72-HOUR FORECAST PERIOD, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A RELATIVELY LOW LEVEL AND PROBABLY WILL CONSIST MAINLY OF NONENERGETIC EVENTS FROM THE GROWING REGION AT N11W56. THE GEOMAGNETIC FIELD IS EXPECTED TO BE DISTURBED BY A MINOR STORM BEGINNING DURING THE NEXT 13 HOURS, AND SOME ADDITIONAL MODERATE DISTURBANCE IS LIKELY DURING THE NEXT 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 APR/0400Z ENDING 12 APR/0400Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 08/1700Z AND 08/2000Z WERE 110 AND 109 RESPECTIVELY.

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HAUS BOU 091710

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 099B ISSUED 1700Z 09 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED.

SLIGHT DEVELOPMENT HAS OCCURRED IN THE PRESENTLY-DORMANT ACTIVE CENTER AT N11W64, WHERE BRIGHT POINTS OF PLAGE ARE VISIBLE BEHIND THE LEADING SPOT. OTHER REGIONS ARE STABLE AND UNIMPRESSIVE. RECENT LIMB ACTIVITY NEAR NE03 SUGGESTS THAT A NEW ACTIVE CENTER MAY APPEAR ON THE DISK WITHIN A DAY OR TWO. A GEOMAGNETIC STORM BEGAN WITH A SUDDEN COMMENCEMENT AT 09/0429Z. K-INDICES AT BOULDER AND FREDERICKSBURG HAVE BEEN 5 AND 6 DURING THIS STORM, WHICH IS STILL IN PROGRESS.

B. DURING THE THREE-DAY FORECAST PERIOD, ONLY MINOR, GENERALLY NON-ENERGETIC SOLAR FLARES ARE LIKELY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED DURING THE NEXT 24-48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 09 APRIL/1700Z ENDING 12 APRIL/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 09/1400Z WAS 109. PREDICTED 10.7 CM FLUX FOR 10-12 APRIL IS 108/106/106.

E. MAGNETIC A-FREDERICKSBURG FOR 08 APRIL WAS 06. FOR 09 APRIL ABOUT 44 PREDICTED AP FOR 10-12 APRIL, 25/12/10.

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