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HFUS BOU 030500

FROM SPACE ENVIRONMENT SERC CES CENTER BOULDER COLO

SDF NUMBER 215A ISSUED 0500Z 3 AUGUST 1971

CONTINUANCE OF CLASS C FLARES IS EXPECTED FOR THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY CLASS C FLARES OCCURRING. REGION 209 (S26E25) IS CLASSED MAGNETICALLY AS BETA GAMMA. STRUCTURAL CHANGES CONTINUE WITHIN THIS REGION. A REGION IS CROSSING EAST LIMB NEAR S7. THIS REGION HAS BEEN ACTIVE WITH NUMEROUS SMALL SURGES AND INTENSITY FLUCTUATIONS. A SUB-BRIGHT FLARE OCCURRED IN THIS REGION AT 0300Z. THE GEOMAGNETIC FIELD HAS BEEN QUIET SINCE 1600Z.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET WITH SHORT PERIODS OF UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 03 AUG/0000Z ENDING 05 AUG/2400Z

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 215B ISSUED 2200Z 03 AUG 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR RADIO AND X-RAY ACTIVITY HAVE REMAINED AT LOW LEVELS.

A NEW REGION, NUMBER 212 /S09E77/, HAS DOMINATED THE OPTICAL ACTIVITY. THIS REGION HAS BEEN PRODUCING SMALL FLARES ACCOMPANED BY SPECTACULAR SURGES AS IT CROSSES THE LIMB. THE LARGEST EVENTS WERE--SB FLARE WITH IMP 2 SURGE AT 03/1041X, SB FLARE WITH IMP 3 SURGE AT 03/1357Z, AND SN FLARE WITH IMP 2 SURGE AT 03/1635Z. X-RAY AND RADIO EMISSIONS FROM THESE EVENTS HAVE BEEN MINOR. REGION 209 /S26E14/ REMAINS SMALL, MAGNETICALLY COMPLEX, AND RELATIVELY INACTIVE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 72 HOURS. REGION 212 IS TOO CLOSE TO THE LIMB FOR EVALUATION, BUT ITS ACTIVITY SO FAR HAS BEEN CONFINED TO OPTICAL WAVELENGTHS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 AUG/0000Z ENDING 06 AUG/2400Z.

CLASS M OR GREATER 35/40/40

CLASS X 01/02/01

PROTON EVENTS 01/02/01

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z, AND 04/1700Z WERE 104 AND 103 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 04-06 AUGUST IS 105/107/103.

E. MAGNETIC A-FREDERICKSBURG FOR 02 AUG WAS 20. FOR 03 AUG ABOUT 04 PREDICTED AP FOR 04 AUGUST, 04/07/05.

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