

HFUS BOU 060500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 279A ISSUED 0500Z 06 OCT 1971

MINOR FLARES EXPECTED NEXT 19 HOURS.

A. REGION 289 /S07W15/ HAS CONTINUED TO GROW AND PRODUCE FREQUENT MINOR FLARES, BUT SOLAR ACTIVITY HAS GENERALLY BEEN AT A LOW LEVEL. A SUDDEN COMMENCEMENT OCCURRED AT 05/2243Z. AT BOULDER THE S.C. WAS THREE MINUTES DURATION WITH ABOUT A 25 GAMMA INCREASE IN THE H COMPONENT. THE COMPRESSION PHASE LASTED ABOUT 70 MINUTES, DECLINING CONTINUOUSLY INTO A MAIN PHASE DEPRESSION ABOUT 60 GAMMAS BELOW THE PRE-EVENT LEVELS ON THE H FIELD. THE LEVELS RETURNED TO NORMAL ABOUT 06/0300Z AND HAVE BEEN QUIET SINCE.

B. DESPITE THE GROWTH IN REGION 278, REGION 280 /N12W23/ STILL IS THE MORE PROBABLE SOURCE FOR ANY ENERGETIC ACTIVITY ON THE SUN. IF THE GEOMAGNETIC STORM CONTINUES, IT IS EXPECTED TO BE MINOR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06/0000Z ENDING 08/2400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

SOLTERWARN

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NEUTRN
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B. DESPITE THE GROWTH IN REGION 278, REGION 280 /N12W23/ STILL IS THE MORE PROBABLE SOURCE FOR ANY ENERGETIC ACTIVITY ON THE SUN. IF THE GEOMAGNETIC STORM CONTINUES, IT IS EXPECTED TO BE MINOR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06/0000Z ENDING 08/2400Z.

CLASS M OR GREATER 50/50/50

CLASS X 05/05/05

PROTON EVENTS 05/05/05

SOLTERWARN

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 279B ISSUED 2200Z 06 OCT 1971

ONLY NON-ENERGETIC EVENTS EXPECTED.

A. ONLY MINOR FLARES HAVE OCCURRED DURING THE PAST 24 HOURS. NONE OF THE DISK REGIONS EXHIBIT ANY INTERESTING CHARACTERISTICS. A SUDDEN COMMENCEMENT IN THE GEOMAGNETIC FIELD BEGAN 05/2245Z. THE FIELD GENERALLY HAS BEEN UNSETTLED WITH SHORT DURATION EXCURSIONS; 06/00-0300Z /K EQUAL 5/ AND 06/14-1730Z /K EQUAL 4/. A FORBUSH DECREASE OF 2 PERCENT OCCURRED ON THE DEEP RIVER NEUTRON MONITOR AT 06/0500Z. THE DEEP RIVER VALUES ARE JUST SLIGHTLY DEPRESSED AT THIS TIME.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. THE GEOMAGNETIC FIELD IS ANTICIPATED TO REMAIN UNSETTLED, PRIMARILY DURING LOCAL NIGHT TIME, UNTIL THE NEXT INTERPLANETARY SECTOR BOUNDARY. BASED ON ROTATION TIME, THIS SECTOR WOULD BE DUE 10/0030Z. HOWEVER, IT IS BELIEVED THAT THIS SECTOR BOUNDARY WILL ARRIVE AT EARTH AS EARLY AS 8 OCTOBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 OCT/0000Z ENDING 09 OCT/2400Z.

CLASS M OR GREATER 35/30/30

CLASS X 02/01/01

PROTON EVENTS 05/02/02

D. OTTAWA 10.7CM FLUXES FOR 06/1400Z, 06/1700Z AND 06/2000Z WERE 103, 103 AND 102 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 07-09 OCT IS 98/94/90.

E. MAGNETIC A-FREDERICKSBURG FOR 05 OCT WAS 15. FOR 06 OCT ABOUT 15. PREDICTED AP FOR 07-09 OCT IS 03/11/22.

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