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KBOU

HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 223 ISSUED 2200Z 10 AUGUST 1972

1 A. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. DURING THE PAST 24 HOURS REGION 331 /N14W82/ HAS REMAINED IMPRESSIVE AND HAS RETAINED ITS DELTA CONFIGURATION BUT HAS PRODUCED ONLY ONE SUBFLARE. REGION 349 /N16W54/ HAS CONTINUED TO GROW AND HAS BEEN FLUCTUATING TO INTENSITY 5 BUT HAS PRODUCED NO FLARES. OTHER DISK FEATURES ARE UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED.

2 A. AN INTERPLANETARY SHOCK WAVE FROM THE 1B FLARE AT 02/0316Z WAS SEEN BY PIONEER 9 AND 10. ON THE BASIS OF THIS INFORMATION AND SC AT EARTH, PREDICTED ARRIVAL TIME AT JUPITER IS 13/0200Z AND AT COMET P/SCHWASSMANN WACHMANN I /AT 5.6 AU/ IS 13/2200Z. SHOCK WAVE FROM THE 2B FLARE AT 02/2005Z MAY ARRIVE AT THESE TWO POSITIONS AT 13/0800Z AND 14/0300Z RESPECTIVELY. SHOCK WAVE FROM THE 3B FLARE AT 07/1500Z MAY ARRIVE AT 14/1200Z AND 15/0000Z RESPECTIVELY. REVISIONS IF ANY WILL BE NOTED IN LATER MESSAGES.

B. ALTHOUGH REGION 331 IS ROUNDING THE WEST LIMB IT COULD STILL PRECIPITATE A PROTON EVENT THAT COULD REACH THE EARTH. THE OTHER VISIBLE REGIONS ARE NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY, WITH THE POSSIBLE EXCEPTION OF REGION 309 AS IT CONTINUES TO GROW. THE GEOMAGNETIC FIELD SHOULD BE QUIET THE NEXT 72 HOURS.

C. EVENT PROBABILITIES 11 AUG/0000Z-13 AUG/2400Z.

CLASS M 20/15/15.

CLASS X 05/01/01.

PROTON 25/20/10.

D. OTTAWA 10.7 CM FLUX.

OBSERVED 10 AUG/1700Z 115.

PREDICTED 11 AUG-13 AUG 110-105-100.

E. A-FREDERICKSBURG.

OBSERVED 09 AUG 044.

ESTIMATED 10 AUG 007.

PREDICTED 11 AUG-13 AUG 005-005-005.

SOLTERWARN

SPAN

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