

NNNN

KBOU

HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 243 ISSUED 2200Z 30 AUG 1972

A. SOLAR ACTIVITY CONTINUES MODERATE WITH THIRTY C-CLASS SUBFLARES REPORTED DURING THE LAST 24 HOURS. ONE SMALL M-CLASS SUBFLARE OCCURRED IN REGION 382 /S25E50/ AT 0655Z. TEN SUBFLARES HAVE BEEN OBSERVED IN REGION 377 /N18E42/ AND SEVEN HAVE BEEN NOTED IN REGION 384 /N15E13/, WHICH HAS EMERGED BETWEEN REGION 373 /N14E07/ AND REGION 375 /N17E31/. REGION 378, WHICH IS ALSO PART OF THE NORTHEAST COMPLEX HAS FLARED THREE TIMES. PLAGE STRIPS IN BOTH REGION 377 AND 378 HAVE BECOME ENHANCED FROM TIME TO TIME. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. THE NORTHEAST COMPLEX GROUPED AROUND REGION 375 OFFERS THE BEST CONTINUING FLARE POTENTIAL. THIS COMPLEX, ESPECIALLY REGIONS 384 AND 377/378, IS CAPABLE OF PRODUCING A SIZEABLE M-CLASS FLARE AT ANY TIME. REGION 384 NOW CONTAINS A DELTA MAGNETIC CONFIGURATION IN THE FOLLOWER SPOT GROUP AND IS A SOURCE OF INCREASING CONCERN. PLAGE ENHANCEMENT IN REGION 378 EARLIER TODAY OCCURRED WHERE DARK FILAMENT SEGMENTS HAVE BEEN OBSERVED. THE GEOMAGNETIC FIELD SHOULD REMAIN GENERALLY QUIET THROUGH THE PERIOD, ALTHOUGH THE FIELD MAY BE SLIGHTLY UNSETTLED LATE ON 31 AUG DUE TO THE POSSIBILITY OF AN INTERPLANETARY SECTOR BOUNDARY PASSAGE.

C. EVENT PROBABILITIES 31 AUG/0000Z - 02 SEP/2400Z

CLASS M 65/70/60

CLASS X 05/05/05

PROTON 05/05/05

D. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUG/1700Z 160

PREDICTED 31 AUG-02 SEP 155-153-148

E. A FREDERICKSBURG

OBSERVED 29 AUG 07

ESTIMATED 30 AUG 05

PREDICTED 31 AUG-02 SEP 08-11-10

SOLTERWARN

BT