

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 088

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 28 MARCH 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. AN M1/SN FLARE OCCURRED  
IN REGION 2363 (N26E46) AT 0957Z. THIS REGION HAS A STRONG MAG-  
NETIC GRADIENT AND A BETA GAMMA CONFIGURATION WITH BRIGHT  
POINTS AND FLARE FLUCTUATIONS. REGION 2363 REMAINS THE MOST IN-  
TERESTING REGION. AN M2/IB FLARE OCCURRED IN REGION 2360 (N13W03)  
AT 2000Z. THE MAGNETIC GRADIENT AND FLUCTUATING FLARE MAY IN-  
DICATE CONTINUED ACTIVITY IN THIS REGION. SUBFLARES OCCURRED  
IN REGIONS 2351 (S26W72), 2352 (N22W20), 2354 (S28W45), 2357  
(N08W03), 2358 (N24E09), 2359 (N14E13), AND 2360. NO NEW REGIONS  
WERE CONFIRMED TODAY, BUT A SPOTLESS FLARE WITH FACULAE ARE AT  
NE 08.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE DUE TO THE HISTORY  
AND POTENTIAL OF REGIONS 2363 AND 2360.

II. THE GEOMAGNETIC FIELD WAS QUIET TODAY. THE FIELD SHOULD  
BECOME MILDLY UNSETTLED TOMORROW AND INCREASINGLY UNSETTLED  
THE FOLLOWING TWO DAYS.

III. EVENT PROBABILITIES 29 MAR - 31 MAR

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 204

PREDICTED 29-31 MAR 206/208/202

90-DAY MEAN 28 MAR 193

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 27 MAR 08

ESTIMATED AFR/AP 28 MAR 06/07

PREDICTED AFR/AP 29-31 MAR 07/10 09/12 10/12

SOLTERWARN

BT