

HFUS1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 102

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. EVENTS HAVE  
BEEN RESTRICTED TO LOW LEVEL CLASS C/SUBFLARES. REGION 1684  
(N24E35) IS COMPOSED MAINLY OF A LARGE PENUMBRAL STRUCTURE; MOSTLY  
LEADER POLARITY WITH TRAILER POLARITY ON THE NORTH AND SOUTH EDGES.  
THE REGION IS A BETA GAMMA TENDING TOWARD A DELTA CONFIGURATION.  
/HOWEVER, REGION 1684 CURRENTLY HAS VERY LITTLE ATTENDANT H-ALPHA  
PLAGE STRUCTURE. REGIONS 1692 (S25E52) AND 1693 (S09E62) HAVE  
EMERGED TODAY BUT CURRENTLY DO NOT SHOW A STRONG GROWTH TENDENCY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH INTER-  
MITTENT CLASS M FLARES PROBABLE FROM REGION 1684.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS EXPECTED  
TO REMAIN UNSETTLED UNTIL 14 APRIL WHEN THE EARTH WILL COME UNDER  
THE INFLUENCE OF A HIGH SPEED WIND STREAM ASSOCIATED WITH A NEAR  
EQUATORIAL CORONAL HOLE.

III. EVENT PROBABILITIES 13-15 APR

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APR 174

PREDICTED 13-15 APR 175/177/178

90-DAY MEAN 12 APR 197

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 APR 05

ESTIMATED AFR/AP 12 APR 07/11

PREDICTED AFR/AP 13-15 APR 12/12 - 18/18 - 20/20

SOLTERWARN

BT