

HFUS 1 BOU 1922 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 110

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 APRIL 1980

IA. SOLAR ACTIVITY HAS BEEN LOW, CONFINED TO LOW LEVEL CLASS
C X-RAY BURST AND OPTICAL SUBFLARES. REGIONS 2395 (S17E33) AND
2391 (N12W34) CONTINUE A SLOW GROWTH TREND. REGION 2391, AS A
BETA GAMMA, IS THE ONLY REGION CURRENTLY HAVING SOME MAGNETIC
COMPLEXITY. NEW FLUX HAS EMERGED IN REGION 2375 (S31W75) AND
REGIONS 2400 (S16W65) AND 2401 (N08W04) HAVE BEEN ADDED TODAY.
PLAGE CONTINUES TO ROTATE ONTO THE DISK AT NE 15.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH NO SINGLE
REGION DOMINATING IN FLARE PRODUCTION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TODAY. SLIGHTLY UN-
SETLED FIELD CONDITIONS ARE EXPECTED THROUGH THE NEXT THREE
DAYS.

III. EVENT PROBABILITIES 20-22 APR

CLASS M 45/45/45

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 APR 215

PREDICTED 20-22 APR 216/218/221

90-DAY MEAN 19 APR 192

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 APR 04

ESTIMATED AFR/AP 19 APR 05/08

PREDICTED AFR/AP 20-22 APR 08/10 12/12 07/08

SOLTERWARN

BT