

HFUS 1 BOU 192200

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 REGION 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 UNSETTLED 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

PROTON 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 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