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HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 074

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 15 MARCH 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.

MOST OF THE HALF DOZEN OR SO FLARES SEEN DURING THAT TIME HAVE COME FROM UNLIKELY LOOKING REGION 1620 (N18W14). THE ONLY MODERATELY ENERGETIC FLARE OBSERVED WAS AN M1/1M SEEN AS A SECOND MAXIMUM AT 15/0745Z IN REGION 1620. THE MOST DYNAMIC APPEARING REGION ON THE DISK NOW IS GROWING REGION 1633 (S25W20) BUT IT HAS NOT BEEN FLARING - YET. SEVERAL UNIMPRESSIVE SPOT GROUPS HAVE APPEARED ON THE DISK OR AT THE EAST LIMB IN THE PAST 24 HOURS. DESPITE THE FACT THAT THE BOULDER COMPOSITE SUNSPOT NUMBER IS 303, CURRENT FLARE ACTIVITY REMAINS REMARKABLY LOW.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW FOR THE NEXT 24 HOURS. RAPID GROWTH IN ANY OF THE EIGHTEEN SPOTTED REGIONS ON THE DISK COULD HERALD A MARKED INCREASE IN ACTIVITY WITH VERY LITTLE NOTICE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. ABOUT 1500Z TODAY THE FIELD BECAME MILDLY UNSETTLED. THE FIELD IS EXPECTED TO REMAIN MIDLY UNSETTLED FOR THE NEXT FEW DAYS.

IID. EVENT PROBABILITIES 16 MARCH - 18 MARCH 1979

CLASS M 30/30/30

CLASS X 05/05/05

BROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MARCH 183

PREDICTED 16-18 MARCH 184/184/186

90-DAY MEAN 15 MARCH 194

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MARCH 01

ESTIMATED AFR/AP 15 MARCH 05/06

PREDICTED AFR/AP 16-18 MARCH 08/10 - 09/12 - 09/12

SOLTERWARN

BT