

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 075

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 MARCH 1979

IA. SOLAR ACTIVITY HAS REMAINED REASONABLY LOW DURING THE PAST 24 HOURS. A TOTAL OF ABOUT ONE DOZEN FLARES WERE SEEN IN THAT PERIOD - ALL BUT ONE WERE SMALL C-CLASS SUBFLARES COMING FROM HALF A DOZEN REGIONS. THE ONE EXCEPTION WAS AN M1/1B WITH MAXIMUM AT 16/142Z FROM REGION 1630 (N20E14). THIS REGION, AND IN FACT ALL OF THE OTHER EIGHTEEN SPOTTED GROUPS ON THE SOLAR DISK, REMAIN UNIMPRESSIVE IN BOTH WHITE LIGHT AND H-ALPHA.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW ALTHOUGH RAPID DEVELOPMENT IN ANY OF THE NINETEEN REGIONS CURRENTLY VISIBLE COULD CAUSE AN ABRUPT INCREASE IN ENERGETIC FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 17 MARCH - 19 MARCH 1979

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MARCH 188

PREDICTED 17-19 MARCH 190/192/192

90-DAY MEAN 16 MARCH 194

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MARCH 07

ESTIMATED AFR/AP 16 MARCH 10/10

PREDICTED AFR/AP 17-19 MARCH 12/10 - 12/12 - 14/16

SOLTERWARN

BT