

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 282

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN LOW. SEVERAL C CLASS X-RAY AND OPTICAL FLARES HAVE BEEN PRODUCED BY REGIONS 4328 (N07W17) AND 4335 (N22E44). REGION 4328 CONTINUES TO BE THE MOST IMPRESSIVE REGION ON THE DISK WITH A F-TYPE SPOT CLASSIFICATION BUT IT IS STARTING TO DECAY. REGION 4335 IS NOW A D TYPE SPOT GROUP AND HAS SHOWN SLIGHT GROWTH IN WHITE LIGHT. TWO NEW SPOT GROUPS WERE NUMBERED THIS PERIOD. THEY ARE REGIONS 4337 (N06E05) AND 4338 (S15W04), BOTH HAVE B TYPE SPOT CLASSIFICATIONS. ALL OF THE OTHER REGIONS ON THE DISK APPEAR STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW BUT ISOLATED M CLASS X-RAY FLARES ARE STILL POSSIBLE FROM REGION 4328.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED LEVELS THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 OCT-12 OCT

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 OCT 131

PREDICTED 10 OCT-12 OCT 131/130/130

90 DAY MEAN 09 OCT 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 OCT 013/013

ESTIMATED AFR/AP 09 OCT 008/007

PREDICTED AFR/AP 10 OCT-12 OCT 015/010-010/010-015/020

SOLTERWARN

BT