

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 279

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 06 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100  
TO 06/2100Z: SOLAR ACTIVITY WAS LOW THIS PERIOD. REGION 4328  
(N07E22) IS STILL THE DOMINANT SPOT GROUP ON THE DISK AND HAS  
CONTRIBUTED A C1/SN FLARE. THIS REGION HAS BEEN DECAYING  
SLIGHTLY BUT STILL MAINTAINS ITS E TYPE SPOT GROUP  
CLASSIFICATION AND BETA GAMMA MAGNETIC CONFIGURATION. ALL OTHER  
GROUPS ON THE DISK APPEAR STABLE AT THIS TIME. ONE NEW REGION  
WAS NUMBERED THIS PERIOD, 4333 (S09E65), A D TYPE SPOT GROUP.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE THIS PERIOD.  
THE ACTIVE CONDITIONS, THAT STARTED AT APPROXIMATELY 1500Z, ARE  
DUE TO THE INFLUENCE OF A CORONAL HOLE THAT WAS AT CENTRAL  
MERIDIAN ON 3 OCTOBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD  
SHOULD BE ACTIVE THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 40/30/30  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 133  
PREDICTED 07 OCT-09 OCT 136/137/137  
90 DAY MEAN 06 OCT 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCT 009/011  
ESTIMATED AFR/AP 06 OCT 021/015  
PREDICTED AFR/AP 07 OCT-09 OCT 015/015-015/015-015/015  
SOLTERWARN

BT