

HFUS 3 BOU 242200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 083  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 24 MAR 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 24/2100Z: SOLAR ACTIVITY CONTINUED LOW DURING THIS PERIOD WITH ONLY SMALL SF FLARES BEING OBSERVED. REGIONS 4121 (S12W38), 4120 (S12W04) AND 4116 (S07W57) EACH PRODUCED ONE SF EVENT THIS PERIOD WITH ONLY A MINOR RISE IN THE X RAY BACKGROUND. REGION 4115 (S11W81) CONTINUES TO DECAY IN AREA BUT HAS RETAINED THE WEAK DELTA MAGNETIC CONFIGURATION IN THE LEADER PORTION OF THE REGION. REGION 4116 HAS BEEN GENERALLY STABLE THIS PERIOD. TWO NEW REGIONS WERE NUMBERED TODAY 4124 (N21W40) A B TYPE GROUP WITH AN ARCH FILAMENT SYSTEM AND 4125 (S10E78) A SIMPLE H TYPE GROUP AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST PERIOD. REGION 4115 IS EXPECTED TO ROTATE OFF THE DISK WITHOUT PRODUCING ANY MAJOR EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO REMAIN UNSETTLED DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 25 MAR-27 MAR

CLASS M 10/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM. FLUX

OBSERVED 24 MAR 118

PREDICTED 25 MAR-27 MAR 118/114/105

90 DAY MEAN 24 MAR 152

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 MAR 009/012

ESTIMATED AFR/AP 24 MAR 010/010

PREDICTED AFR/AP 25 MAR-27 MAR 008/015-010/015-010/015

SOLTERWARN

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