

FUS 3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 246

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 03 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100  
TO 03/2100Z: SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. AN M2/1N  
FLARE OCCURRED IN REGION 4302 AT 2250Z AS IT WAS TRANSITING  
WEST LIMB. TWO SF FLARES FROM REGION 4305 (S10E56) ARE THE ONLY  
OTHER EVENTS RECORDED. REGION 4304 (N09E07) HAS RESTRUCTURED  
AND GROWTH HAS SLOWED. REGION 4306 (S01E71) WAS ADDED TODAY.  
ADDITIONALLY, HOLLOMAN OBSERVATORY REPORTS A LARGE SPOT NOW  
ROTATING ON TO THE DISK NEAR SE10 AND SURGING NEAR NE10.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE GENERALLY UNSETTLED BUT WITH PERIODS AT ACTIVE  
LEVELS ON 04-05 SEPTEMBER.

III. EVENT PROBABILITIES 04 SEP-06 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 SEP 105

PREDICTED 04 SEP-06 SEP 104/106/110

90 DAY MEAN 03 SEP 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 SEP 008/009

ESTIMATED AFR/AP 03 SEP 009/015

PREDICTED AFR/AP 04 SEP-06 SEP 015/020-015/020-012/015

SOLTERWARN

BT