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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDR NUMBER 244

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 01 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100Z TO 01/2100Z: SOLAR ACTIVITY CONTINUES LOW. REGION 4302 (S08W70) HAS HAD NUMEROUS SF FLARES BUT THE ASSOCIATED X-RAY BURSTS HAVE REMAINED BELOW CLASS C THRESHOLD. THIS REGION HAS CONTINUED TO GROW AND HAS A MODERATE INTENSITY PLAGE. REGION 4304 (N10E33) WAS ADDED TODAY AND CURRENTLY HAS A SINGLE SUNSPOT. A FILAMENT CENTERED NEAR S11W69 DISAPPEARED PRIOR TO 1445Z.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS AT STORM LEVEL UNTIL 0600Z. THE FIELD HAS BEEN UNSETTLED SINCE THAT TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED UNTIL THE LATTER HALF OF 03 SEPTEMBER. IT IS THEN EXPECTED TO BECOME ACTIVE IN RESPONSE TO A CORONAL HOLE. NO ENHANCED MAGNETIC ACTIVITY IS EXPECTED FROM THE FILAMENT WHICH DISAPPEARED TODAY.

III. EVENT PROBABILITIES 02 SEP-04 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF / GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 SEP 111

PREDICTED 02 SEP-04 SEP 110/110/112

90 DAY MEAN 01 SEP 129

VI. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 AUG 022/032

ESTIMATED AFR/AP 01 SEP 019/015

PREDICTED AFR/AP 02 SEP-04 SEP 010/010-012/015-015/020

SOLTERWARN

BT

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