

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 253

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL. ONLY ONE SPOT GROUP, REGION 4576 (S04 E28), IS VISIBLE TODAY. THIS REGION IS SMALL AND DECAYING. SMALL REGIONS MAY BE DEVELOPING NEAR S13E42 AND N04E16. THE FILAMENT NEAR S15 AT CM HAS SHOWN SOME SIGNS OF BEING ACTIVE. ACTIVE PROMINENCES HAVE BEEN REPORTED NEAR NE50 AND SW07.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL THROUGH THE FORECAST PERIOD. NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN.

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

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS THROUGH THE FORECAST PERIOD. A MINOR INCREASE IS POSSIBLE ON 11 SEP FROM THE CORONAL HOLES THAT CROSSED CM ON 7 SEP.

NOTE: THE OTTAWA 10CM FLUX WAS NOT AVAILABLE AND IS ESTIMATED TO BE 81.

III. EVENT PROBABILITIES 10 SEP-12 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEP 081

PREDICTED 10 SEP-12 SEP 079/077/077

90 DAY MEAN 09 SEP 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 SEP 014/013

ESTIMATED AFR/AP 09 SEP 009/012

PREDICTED AFR/AP 10 SEP-12 SEP 015/020-020/025-015/020

SOLTERWARN

BT