

HFUS 3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 249

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 06 SEPTEMBER 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z. SOLAR ACTIVITY IS LOW. FLARE ACTIVITY HAS BEEN RESTRICTED TO THE SUBFLARE VARIETY; HOWEVER, AN INCREASE IN LOW FREQUENCY RADIO BURSTS HAS BEEN REPORTED. SMALL CHANGES IN THE VISIBLE REGIONS INCLUDE SURGES IN REGION 4296 (SW LIMB) POINT BRIGHTENINGS IN REGION 4308 (N18E50) AND ARCH FILAMENTS IN REGION 4304 (N08W26). THE REST OF THE DISK IS QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: QUIET TO UNSETTLED CONDITIONS SHOULD CONTINUE FOR ANOTHER 24 HOURS, BUT ACTIVE CONDITIONS ARE EXPECTED TO COMMENCE LATE ON 07 SEPTEMBER OR EARLY ON 08 SEPTEMBER.

III. EVENT PROBABILITIES 07 SEPTEMBER - 09 SEPTEMBER

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 SEPTEMBER 119

PREDICTED 07-09 SEPTEMBER 122/124/123

90-DAY MEAN 06 SEPTEMBER 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 SEPTEMBER 03/06

ESTIMATED AFR/AP 06 SEPTEMBER 10/10

PREDICTED AFR/AP 07-09 SEPTEMBER 10/20 - 15/20 - 15/20

SOLTERWARN

BT