

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 313

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: THE SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOUR PERIOD. REGION 4355 (S10E05) WAS THE MOST SIGNIFICANT REGION AND PRODUCED A ZERO-NORMAL FLARE AT 7/1609UT WITH MINOR RADIO BURSTS. IT EVOLVED INTO A BETA-GAMMA TYPE. NO NEW REGIONS WERE ASSIGNED DURING THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL DURING THE FORECAST PERIOD. REGION 4355 HAS A VERY SLIGHT CHANCE OF PRODUCING MODERATE LEVEL ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC ACTIVITY HAS BEEN AT MINOR TO MAJOR STORM LEVELS DURING THE PAST 24 HOUR PERIOD. THIS RECURRENT ACTIVITY IS ATTRIBUTED TO CORONAL HOLES, BUT NO DEFINITIVE DATA WAS AVAILABLE TO SUBSTANTIATE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT MAJOR TO MINOR STORM LEVELS THROUGH-OUT THE 10TH OF NOVEMBER. THIS RECURRENT ACTIVITY IS EXPECTED TO DECREASE TO ACTIVE/MINOR STORM LEVELS FOR THE 11TH OF NOVEMBER AND REMAIN AT THIS LEVEL THROUGH-OUT THE 12TH.

III. EVENT PROBABILITIES 10 NOV-12 NOV

CLASS M 09/09/09

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 NOV 101

PREDICTED 10 NOV-12 NOV 100/096/092

90 DAY MEAN 09 NOV 111

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 NOV 026/027

ESTIMATED AFR/AP 09 NOV 031/030

PREDICTED AFR/AP 10 NOV-12 NOV 030/030-020/025-020/025

SOLTERWARN

BT