

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 125

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4649(N06E11) HAS GROWN SINCE YESTERDAY AND IS NOW A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. ACTIVE DARK FILAMENTS ASSOCIATED WITH THE REGION WERE SEEN TO DISAPPEAR AT TIMES BUT HAVE REFORMED. REGION 4650(N04E32), STILL A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION, CONTAINED A WEAK ARCH FILAMENT SYSTEM AND SUSTAINED POINT BRIGHTENINGS 05/0845-0930UT. REGION 4651(N10W07) WAS SPOTLESS BUT CONTAINED AN ARCH FILAMENT SYSTEM. A 25 DEGREE LONG DISAPPEARING FILAMENT WAS REPORTED OVERNIGHT AT N40E72. QUIESCENT PROMINENCES WERE OBSERVED AT N44E90 AND S41E90. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 MAY-08 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 070

PREDICTED 06 MAY-08 MAY 069/069/069

90 DAY MEAN 05 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 MAY 009/014

ESTIMATED AFR/AP 05 MAY 010/010

PREDICTED AFR/AP 06 MAY-08 MAY 018/025-014/025-014/025

SOLTERWARN

BT