

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 126

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4649(N06W03), WHICH APPEARED TO LOSE ITS SPOTS AT TIMES, IS STILL A BX0 TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. FILAMENTS ASSOCIATED WITH THIS REGION CONTINUE TO FADE IN AND OUT. REGION 4650(N04E20) WAS ALSO A BX0 TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THIS REGION HAD ACTIVE DARK FILAMENTS AND POINT BRIGHTENINGS EARLY IN THE PERIOD. A SUB-FAINT FLARE OCCURRED IN THIS REGION AT 1408UT. REGION 4651(N10W20) WAS SPOTLESS. PROMINENCES AT S10E90 AND N10E90 WERE RELATIVELY QUIESCENT BUT CONTAINED PLAGE AT THEIR BASES. 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. NO REGIONS ON THE DISK ARE EXPECTED TO PRODUCE SIGNIFICANT ACTIVITY. HOWEVER, ENHANCEMENT IN THE X-RAY BACKGROUND FLUX AND 10 CM SOLAR RADIO FLUX (EAST LIMB) COULD INDICATE THAT AN INCREASE IN ACTIVITY IS OCCURRING AS A NEW REGION OR REGIONS ROTATE ONTO THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. ACTIVE PERIODS WERE OBSERVED 06/0000-0300UT AND 06/0006-0900UT.

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

ACTIVITY IS PREDICTED ON THE BASIS OF A RESPONSE TO THE NUMEROUS DISAPPEARING FILAMENTS OF 03-05 MAY.

III. EVENT PROBABILITIES 07 MAY-09 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 MAY 074

PREDICTED 07 MAY-09 MAY 074/072/072

90 DAY MEAN 06 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 MAY 008/009

ESTIMATED AFR/AP 06 MAY 015/015

PREDICTED AFR/AP 07 MAY-09 MAY 014/025-014/025-012/020

SOLTERWARN

BT