

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 127

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. A NEW REGION WAS NUMBERED TODAY AS REGION 4652 (S13E73) AND IS CURRENTLY A DHO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THIS REGION WAS RESPONSIBLE FOR ALL OPTICAL EVENTS WHICH HAVE OCCURRED TODAY, THE LARGEST OF THESE WAS A C1/SN FLARE WITH A MAX AT 07/0808Z. REGION 4649 (N05W17) IS A CRO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. REGION 4650 (N04E06) IS A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. WITH THE PRESENCE OF REGION 4652 THERE IS A POTENTIAL FOR PRODUCING LOW LEVEL M CLASS EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: GEOMAGNETIC ACTIVITY WAS GENERALLY UNSETTLED THROUGHOUT THE FORECAST PERIOD. ISOLATED PERIODS OF ACTIVE CONDITIONS WERE OBSERVED AT HIGH LATITUDES BETWEEN 07/0130Z AND 07/1200Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT UNSETTLED TO ACTIVE CONDITIONS THROUGHOUT THE FORECAST PERIOD. THIS ACTIVITY IS BASED ON THE POSSIBILITY OF ENHANCEMENT DUE TO THE DISAPPEARING FILAMENTS OF 03-05 MAY.

III. EVENT PROBABILITIES 08 MAY-10 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 MAY 078

PREDICTED 08 MAY-10 MAY 080/082/082

90 DAY MEAN 07 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 MAY 014/016

ESTIMATED AFR/AP 07 MAY 010/013

PREDICTED AFR/AP 08 MAY-10 MAY 012/020-014/025-012/020

SOLTERWARN

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