

HFUS3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 128

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A NEW REGION WAS NUMBERED TODAY AS REGION 4653 (N07E70) WHICH IS CURRENTLY A ALPHA-TYPE GROUP. REGION 4652 (S13E64) HAS GROWN IN AREA SINCE YESTERDAY. IT IS A DHI TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION AND HAS PRODUCED SEVERAL OPTICAL SUBFLARES WITH B-CLASS X-RAY EVENTS. REGION 4650 (N03W08), CURRENTLY A ALPHA-TYPE GROUP, PRODUCED ONE SUBFLARE TODAY. REGION 4649 (N06W29) IS A DAO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. REGION 4652 HAS THE POTENTIAL FOR PRODUCING LOW LEVEL ENERGETIC EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED THE PAST 24 HOURS. THERE WERE ISOLATED PERIODS OF ACTIVE CONDITIONS OBSERVED DURING NIGHTTIME SECTORS AT HIGH AND MID LATITUDES BUT THE ACTIVITY DID NOT PERSIST.

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

III. EVENT PROBABILITIES 09 MAY-11 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAY 080

PREDICTED 09 MAY-11 MAY 082/082/083

90 DAY MEAN 08 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 MAY 008/012

ESTIMATED AFR/AP 08 MAY 014/015

PREDICTED AFR/AP 09 MAY-11 MAY 014/020-012/015-010/015

SOLTERWARN

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