

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 129

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4652 (S13E50) IS THE MOST IMPRESSIVE REGION ON THE DISK. IT IS CURRENTLY A DKI TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. THIS REGION PRODUCED A B4/SB FLARE WITH A MAX AT 09/1943Z. THIS SEEMED TO PRODUCE A SYMPATHETIC B8/SN FLARE IN REGION 4653 (N07E57) MAX AT 09/1957Z. REGION 4653 IS A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION. TWO OTHER SPOTTED REGIONS ARE PRESENT ON THE DISK, REGION 4649 (N06W44) A DAO TYPE SPOT CLASSIFICATION AND REGION 4650 (N04W22) A BXO TYPE SPOT CLASSIFICATION . BOTH OF THESE REGIONS HAVE A BETA MAGNETIC CLASSIFICATION. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. THERE REMAINS THE POSSIBILITY OF LOW LEVEL ENERGETIC EVENTS ASSOCIATED WITH REGION 4652.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD FOR THE PAST 24 HOURS WAS GENERALLY AT UNSETTLED LEVELS WITH ISOLATED PERIODS OF ACTIVE CONDITIONS OBSERVED AT ALL LATITUDES DURING NIGHTTIME SECTORS.

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

III. EVENT PROBABILITIES 10 MAY-12 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAY 088

PREDICTED 10 MAY-12 MAY 090/091/092

90 DAY MEAN 09 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 MAY 009/013

ESTIMATED AFR/AP 09 MAY 012/015

PREDICTED AFR/AP 10 MAY-12 MAY 010/015-010/015-008/015

SOLTERWARN

BT