

HFUS3 BOU 102200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 130

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 10 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4652 (S14E37) IS CURRENTLY A DKI TYPE SPOT GROUP WITH A BETA-DELTA MAGNETIC CLASSIFICATION. THIS REGION IS THE MOST IMPRESSIVE REGION ON THE VISIBLE DISK AND WAS RESPONSIBLE FOR ALL OPTICAL EVENTS WHICH OCCURRED TODAY. THE LARGEST OF THESE WAS A B7/SN FLARE WITH A MAX AT 10/1600Z CORRELATED WITH A 170 FLUX UNIT RADIO BURST ON FREQUENCY 245 MHZ. TWO OTHER SPOTTED REGIONS ARE PRESENT ON THE DISK, REGION 4653 (N09E46) A BXO TYPE SPOT GROUP AND REGION 4649 (N06W58) A CSO SPOT GROUP. 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. LOW LEVEL ENERGETIC EVENT POTENTIAL CONTINUES WITH THE PRESENCE OF REGION 4652 ON THE DISK.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY AT UNSETTLED LEVELS FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR 11 MAY WITH UNSETTLED TO ACTIVE CONDITIONS FOR THE 12TH AND 13TH OF MAY.

III. EVENT PROBABILITIES 11 MAY-13 MAY

CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAY 090
PREDICTED 11 MAY-13 MAY 091/092/093
90 DAY MEAN 10 MAY 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 MAY 008/013
ESTIMATED AFR/AP 10 MAY 006/010
PREDICTED AFR/AP 11 MAY-13 MAY 008/015-008/015-008/015
SOLTERWARN
BT