

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDE NUMBER 259

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 SEPTEMBER 1980

I. SOLAR ACTIVITY HAS BEEN LOW. REGION 2672 (S10E07) BECAME DYNAMIC DURING THE PAST 24 HOURS AND PRODUCED A 1B FLARE AND TWO SUBFAINT FLARES. THE 1B FLARE WAS ONLY A C2 IN X-RAY CLASS AND NO X-RAYS MEASURED AT ALL WITH THE SUBFAINT FLARES. THERE WAS RADIO EMISSION WITH THE 1B FROM 415 TO 4995 MHZ BUT IT TOO WAS SMALL; THE LARGEST BURST WAS ONLY 110 FLUX UNITS AT 245 MHZ. REGION 2664 (N09W47) MIMICKED 2672 BUT ONLY PRODUCED 1 SUBFAINT, HAD NO RADIO BURST AND THE X-RAYS REACHED CLASS C3 WITH THE 1B. BOTH REGIONS, 2672 AND 2664 SHOWED GROWTH DURING THIS PERIOD. REGION 2665 (N15W22) HAS BEGUN TO DECAY AND EXCEPT FOR ONE SMALL FLARE, HAS BEEN BASICALLY QUIET. THE REGIONS MENTIONED IN YESTERDAYS FORECAST AS 2679 (N23E39) AND 2680 (N24E39) WERE ALL COMBINED INTO 2678 AND GIVEN THE LOCATION OF N22E30 ON THE 2200Z REGION REPORT. HOWEVER, ALL THE SPOTS DIED EXCEPT THE ONES AT N22E13 RESULTING IN AN EXERCISE OF ACADEMIC FUTILITY. TWO ADDITIONAL REGIONS WERE NUMBERED 2679 AND 2680 TODAY AND ARE LOCATED AT N16E50 AND S32E68 RESPECTIVELY.

IR. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW.

III. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 16 SEPTEMBER - 18 SEPTEMBER

CLASS M 30/30/30

CLASS X 01/01/01

PREDICTED 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 SEPTEMBER 1521

PREDICTED 16-18 SEPTEMBER 150/150/148

90-DAY MEAN 15 SEPTEMBER 185

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 14 SEPTEMBER 06

ESTIMATED AFR/AP 15 SEPTEMBER 09/10

PREDICTED AFR/AP 16-18 SEPTEMBER 12/12 - 08/12 - 11/10

SOLARPWARM

BT