

HFUS 11 ROU 922200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 306

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 NOVEMBER 1978

I A. SOLAR ACTIVITY HAS BEEN LOW. NEW REGION 1382 (S13E64) HAS PRODUCED SEVERAL SUBFLARES WITH MINOR X-RAY BURSTS. A NEW ACTIVE REGION, 1381 (S19E15), HAS EMERGED JUST NORTHWEST OF THE LARGE LEADING SPOT OF REGION 1374 (S25E23). ADDING TO THE COMPLEXITY OF THIS AREA. GROWTH CONTINUES IN REGION 1381. ANOTHER NEW REGION HAS BEEN OBSERVED, IT IS UNIMPRESSIVE AND HAS BEEN NUMBERED 1380 (N27E01).

I B. SOLAR ACTIVITY SHOULD BE AT A LOW TO MODERATE LEVEL FOR THE NEXT 48 HOURS. SMALL ENERGETIC FLARES ARE EXPECTED FROM REGION 1382. THERE EXISTS A POSSIBILITY OF A SIGNIFICANT FLARE BEING PRODUCED BY THE 1374/1381 COMPLEX. MODERATELY ACTIVE REGIONS 1346 AND 1340 ARE DUE TO RETURN TO THE EAST LIMB ON 3 AND 4 NOVEMBER RESPECTIVELY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. THE FIELD SHOULD REMAIN GENERALLY UNSETLED FOR THE NEXT 72 HOURS. IN THE EVENT OF THE OCCURRENCE OF A MAJOR FLARE FROM THE 1374/1381 COMPLEX, A GEOMAGNETIC STORM COULD RESULT AS THE COMPLEX WILL BE LOCATED NEAR CENTRAL MERIDIAN FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 NOVEMBER - 05 NOVEMBER

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 NOVEMBER 162

PREDICTED 03-05 NOVEMBER 168/174/176

92-DAY MEAN 02 NOVEMBER 147

V. GEOMAGNETIC AL INDICES

OBSERVED FREDERICKSBURG 01 NOVEMBER 11

ESTIMATED AFR/AP 02 NOVEMBER 08/16

PREDICTED AFR/AP 03-05 NOVEMBER 28/12 - 26/28 - 26/06

SOLTERWARN

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HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDF NUMBER 306

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
IA. SOLAR ACTIVITY WAS AGAIN AT LOW LEVELS DURING THE PAST 24
HOURS. ONLY A FEW SUBCLASS FLARES WERE OBSERVED AND NONE OF
THESE PRODUCED X-RAYS HIGHER THAN THE C2 LEVEL. NONE OF THE
TEN REGIONS PRESENTLY ON THE DISK HAS CHANGED SIGNIFICANTLY
FROM YESTERDAY AND NO NEW REGIONS WERE REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVELS FOR THE
NEXT 24 HOURS. SEVERAL OLD REGIONS ARE EXPECTED TO RETURN IN 24
TO 72 HOURS, AND THIS MAY LEAD TO INCREASED ACTIVITY THEN.

II. THE GEOMAGNETIC FIELD HAS BEEN AT HIGH UNSETTLED TO LOW
ACTIVE LEVELS, AND THESE CONDITIONS ARE EXPECTED TO CONTINUE
FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 03-05 NOV 1979

CLASS M 35/45/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 NOV 213

PREDICTED 03-05 NOV 213/213/215

90-DAY MEAN 02 NOV 202

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 NOV 10

ESTIMATED AFR/AP 02 NOV 12/15

PREDICTED AFR/AP 03-05 NOV 15/15 15/15 15/15

SOLTERWARN

BT