

HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 043A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 12 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
11/1200Z TO 12/1200Z: SOLAR ACTIVITY IS VERY LOW. REGION 4079
(S18W83) CAME ALIVE ENOUGH TO PRODUCE A SF FLARE AT 120103Z BUT
THEN THE DISK REVERTED BACK TO SMALL X-RAY AND RADIO BURSTS.
REGION 4086 (N03E34) IS DORMANT IN BOTH GROWTH AND ACTIVITY.
THE LIMBS REMAIN QUIET ALSO.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY
LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO ACTIVE WITH BRIEF PERIODS OF MINOR STORM
CONDITIONS. IT IS BELIEVED THESE CONDITIONS ARE CORONAL HOLE
RELATED AND SHOULD CONTINUE FOR THE NEXT 36 TO 48 HOURS.

III. EVENT PROBABILITIES 13 FEB-15 FEB

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 FEB 110

ESTIMATED 12 FEB 106

PREDICTED 13 FEB-15 FEB 100/095/095

90 DAY MEAN 11 FEB 169

V. GEOMAGNETIC A INDICES

OBSERVED AFR 10 FEB 019 AP 11 FEB 020

ESTIMATED AFR 11 FEB 014 AFR/AP 12 FEB 015/020

PREDICTED AFR/AP 13 FEB-15 FEB 015/025-012/025-010/020

EFFECTIVE 15 FEB 83 THIS REPORT WILL NO LONGER BE ISSUED

SOLTERWARN

BT

HFUS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 043B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 FEB 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/1200Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 9 HOURS. REGION 4079 (S20W90), WHICH HAS BEEN SURGING, PRODUCED A C1/BRIGHT LIMB SURGE OUT TO .21 RADII AT 1440Z. THE ONLY OTHER SPOTTED PLACE ON THE VISIBLE DISK IS REGION 4086 (N03E29), A SIMPLE B-TYPE GROUP. NO NOTEWORTHY REGIONS ARE DUE TO RETURN DURING THE NEXT THREE DAYS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS DURING THE PAST 9 HOURS. THIS DISTURBANCE IS ATTRIBUTED TO AN EXTENDED EQUATORIAL CORONAL HOLE WHICH SHOULD KEEP GEOMAGNETIC CONDITIONS AT ACTIVE TO OCCASIONAL MINOR STORM LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 FEB-15 FEB

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 FEB 103

PREDICTED 13 FEB-15 FEB 098/095/095

90 DAY MEAN 12 FEB 168

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 FEB 018/020

ESTIMATED AFR/AP 12 FEB 032/030

PREDICTED AFR/AP 13 FEB-15 FEB 019/025-015/025-015/020

SOLTERWARN

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