

KBOU

HFUS 1 BOU 301300

FROM SPACE ENVIRONMENT SERV ICES CENTER, BOULDER, COLORADO

SDF NUMBER 242A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 30 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/1200Z TO 30/1200Z: SOLAR ACTIVITY HAS BEEN LOW. A FEW C CLASS X-RAY FLARES HAVE OCCURRED IN REGIONS 3867 (S12W91), 3870 (N14W61) AND 3880 (N11E35). SURGING HAS BEEN OBSERVED AT NE12.

TH IS APPEARS TO BE THE RETURN OF OLD REGION 3837. NEW REGION 3883 (S20E59) WAS NUMBERED SINCE THE LAST PRIMARY FORECAST, AN AXX SPOT GROUP IT DOESNT APPEAR SIGNIFICANT AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW BUT THE PROBABILITY OF MODERATE ACTIVITY SHOULD INCREASE WITH THE RETURN OF OLD REGION 3837. NONE OF THE REGIONS PRESENTLY ON THE DISK APPEAR TO BE SIGNIFICANT FLARE PRODUCERS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS ACTIVE WITH PERIODS OF MINOR STORM LEVEL ACTIVITY. THE FIELD SHOULD REMAIN ACTIVE THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 AUG-02 SEP

CLASS M 20/30/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10 .7 CM FLUX

OBSERVED 29 AUG 180

ESTIMATED 30 AUG 178

PREDICTED 31 AUG-02 SEP 180/185/180

90 DAY MEAN 29 AUG 168

V. GEOMAGNETIC A INDICES

OBSERVED AFR 28 AUG 009 AP 29 AUG 034

ESTIMATED AFR 29 AUG 029 AFR/AP 30 AUG 025/029

PREDICTED AFR/AP 31 AUG-02 SEP 019/020-015/020-015/020

SOLTERW ARN

BT

NNNNZSV

UU

2300

HFUS 3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 242B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/1200Z TO 30/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THIS PERIOD. ONLY SMALL C CLASS EVENTS HAVE BEEN RECORDED. REGION 3870 (N14W68) HAS A WEAK DELTA MAGNETIC CONFIGURATION. NEW REGIONS TODAY ARE 3884 (N08W52), SIMPLE A TYPE, AND 3885 (N11E75) A LARGE H TYPE SPOT GROUP. THE REST OF THE REGIONS ARE LITTLE CHANGED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH A CHANCE FOR AN ISOLATED M EVENT LATE ON THE THIRD DAY OF THE FORECAST AS OLD ACTIVE REGIONS RETURN.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS ACTIVE THIS PERIOD. THE FIELD IS EXPECTED TO CONTINUE AT ACTIVE LEVELS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 AUG-02 SEP

CLASS M 10/10/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 AUG 171

PREDICTED 31 AUG-02 SEP 170/170/174

90 DAY MEAN 30 AUG 168

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 AUG 026/034

ESTIMATED AFR/AP 30 AUG 023/028

PREDICTED AFR/AP 31 AUG-02 SEP 019/020-015/020-015/020

SOLTERWARN

BT

HXUS BOU 302200

PREDM 01031 01001 02002

PREDX 00131 00101 00102

PREDP 00131 00101 00102

PCAFI 00131

TENCM 17031 17001 17402

AFRED 01931 01501 01502

AFAPF 02031 02001 02002

BT