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KBOU

HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 240A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 28 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 28/1200Z: SOLAR ACTIVITY HAS RETURNED TO A LOW LEVEL FOR THE PAST 24 HOURS AS REGION 3870(N15W34) HAS SIMPLIFIED AND STABILIZED. NEARBY REGION 3877(N23W45) HAS BEGUN TO DECAY AND RETAINS A VERY SIMPLE STRUCTURE. A SMALL FILAMENT DISAPPEARED NEAR THIS REGION AT 0126Z. A SMALL NEW REGION HAS EMERGED AT N09W09 (REGION 3881) AND IS GROWING RAPIDLY. ALL OTHER REGIONS ARE SMALL AND/OR DECAYING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO OCCASIONALLY MODERATE AS ISOLATED EVENTS MAY STILL OCCUR IN REGION 3870. RETURNING REGIONS ARE EXPECTED TO MAINTAIN OCCASIONALLY MODERATE ACTIVITY THROUGHOUT THIS FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD SUBSIDED TODAY TO UNSETTLED LEVELS WITH THE MOST RECENT PERIODS EVEN AT A QUIET LEVEL. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED TO GIVE WAY TO MINOR STORM CONDITIONS AS THE EFFECTS FROM CORONAL HOLES AND TRANSIENTS ARRIVE TOMORROW.

III. EVENT PROBABILITIES 29 AUG-31 AUG

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 AUG 177

ESTIMATED 28 AUG 186

PREDICTED 29 AUG-31 AUG 190/193/198

90 DAY MEAN 27 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 26 AUG 017 AP 27 AUG 011

ESTIMATED AFR 27 AUG 010 AFR/AP 28 AUG 006/008

PREDICTED AFR/AP 29 AUG-31 AUG 019/015-019/020-015/020

SOLTERWARN

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HXUS BOU 281300

PREDM 06029 06030 06031

PREDX 00529 00530 00531

PREDP 00129 00130 00131

PCAFT 00129

TENCM 19029 19330 19831

AFRED 01929 01930 01531

AFAPF 01529 02030 02031

KKK 12243 32233 34433

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HSUS 3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 240B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/1200Z TO 28/2400Z  
SOLAR ACTIVITY WAS LOW DURING THIS PERIOD. HOWEVER, SOME THREAT  
APPEARS TO BE DEVELOPING AS GROWTH IS BEING REPORTED IN  
REGIONS 3881 (N09W15) AND 3879 (S16E50) PLUS REGION 3882 (S01E74)  
IS ROTATING OVER THE LIMB WITH AN H-TYPE SPOT VISIBLE THUS FAR. THESE  
DEVELOPMENTS COMBINED WITH THE POTENTIAL OF REGIONS 3867 (S11W70),  
3870 (N15W41) AND 3877 (N23W52) ARE SUSTAINING THE PROBABILITIES.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. ISOLATED M CLASS  
FLARES FROM THE GROWING REGIONS ARE LIKELY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. CORONAL HOLE  
EFFECTS SHOULD RENDER THE FIELD UNSETTLED TO ACTIVE DURING THE  
NEXT FEW DAYS.

III. EVENT PROBABILITIES: 29 AUGUST TO 31 AUGUST

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 28 AUG 178

PREDICTED 29 AUG THRU 31 AUG 186/189/194

90 DAY MEAN 28 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 AUG 10/11

ESTIMATED AFR/AP 28 AUG 10/08

PREDICTED AFR/AP 29 AUG-31 AUG 19/15 19/20 15/20

SOLTERWARN

BT