

KBOU

HFXUS 1 BOU 221300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 234A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 22 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/1200Z TO 22/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3870(N14E46) HAS BEEN THE SOURCE OF ALL ACTIVITY DURING THE PERIOD. PRINCIPLE FLARES FOR THE PERIOD WERE A C3/SN AT 21/1330Z AND ADDITIONAL SN FLARES AT 22/0435Z, 0641Z AND 0833Z. THIS REGION HAS EXHIBITED GROWTH IN RECENT HOURS. REMAINING REGIONS APPEAR STABLE. REGION 3870 APPEARS CAPABLE OF CONTINUING LOW LEVEL ACTIVITY AND MINOR CONTRIBUTIONS ARE ALSO POSSIBLE FROM REGIONS 3862(N26W19), AND 3867(S12E22).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW. M CLASS ACTIVITY IS AN UNLIKELY POSSIBILITY FROM REGION 3867.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD SHOULD BE GENERALLY UNSETTLED SHOWING A DOWNWARD TREND FOR THE FORECAST PERIOD. BRIEF ACTIVE LEVELS ARE POSSIBLE EARLY IN THE PERIOD.

III. EVENT PROBABILITIES 23 AUG-25 AUG

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. TITAWA 10.7 CM FLUX

OBSERVED 21 AUG 136

ESTIMATED 22 AUG 130

PREDICTED 23 AUG-25 AUG 125/120/120

90 DAY MEAN 21 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 20 AUG 014 AP 21 AUG 014

ESTIMATED AFR 21 AUG 016 AFR/AP 22 AUG 014/015

PREDICTED AFR/AP 23 AUG-25 AUG 014/015-012/010-010/010

SOLTERWARN

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HXUS BOU 221300

PREDM 02023 02024 02025

PREDX 00123 00124 00125

PREDP 00123 00124 00125

PCAF 00123

TENCM 12523 12024 12025

AFRED 01423 01224 01025

AFAPF 01523 01024 01025

KKK 33333 32333 33332

BT

NNNNZSV

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HFUS 3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 234B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/1200Z TO 22/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THIS PERIOD. ONLY VERY SMALL XRAY EVENTS HAVE BEEN OBSERVED. REGION 3870 (N15E40) IS REPORTED TO HAVE A STRONG ARCH FILAMENT SYSTEM HOWEVER LITTLE REAL GROWTH HAS BEEN REPORTED. NEW REGION TODAY IS A SMALL A TYPE 3872 (S09W36). REST OF THE DISK AND LIMBS REPORTED STABLE OR LITTLE CHANGED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL DURING THIS FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED TO EXHIBIT A TREND TOWARD UNSETTLED CONDITIONS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 AUG-25 AUG

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 AUG 136

PREDICTED 23 AUG-25 AUG 132/128/125

90 DAY MEAN 22 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 AUG 016/014

ESTIMATED AFR/AP 22 AUG 017/019

PREDICTED AFR/AP 23 AUG-25 AUG 014/015-012/010-010/010

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