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HRUS 1 BOU 241300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 236A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 24 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/1200Z TO 24/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 3870(N15E19) CONTINUES TO BE THE ONLY OBSERVED SOURCE OF ACTIVITY. SMALL C CLASS SUBFLARES ARE THE ONLY ACTIVITY REPORTED. REGIONS REMAIN MAGNETICALLY SIMPLE AND NONE APPEAR CAPABLE OF MAJOR ACTIVITY. RETURNING REGIONS DID NOT REPRESENT SIGNIFICANT SOURCES OF ACTIVITY LAST ROTATION. MAJOR ACTIVITY IS UNLIKELY FROM THEM THIS ROTATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE FORECAST PERIOD. REGIONS 3870 AND 3867(S12W06) REMAIN THE MOST LIKELY SOURCES OF ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: GEOMAGNETIC ACTIVITY INCREASED NEAR 24/0600Z. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH A K-INDEX OF FIVE REPORTED AT THAT TIME. THE FIELD IS EXPECTED TO EXHIBIT ACTIVE LEVELS ON A DECREASING SCALE THROUGH MOST OF 25 AUG. THE FIELD SHOULD DECLINE TO UNSETTLED LEVELS LATE IN THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 AUG-27 AUG

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. TITAWA 10.7 CM FLUX

OBSERVED 23 AUG 138

ESTIMATED 24 AUG 139

PREDICTED 25 AUG-27 AUG 140/142/142

90 DAY MEAN 23 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 22 AUG 023 AP 23 AUG 016

ESTIMATED AFR 23 AUG 017 AFR/AP 24 AUG 022/018

PREDICTED AFR/AP 25 AUG-27 AUG 016/018-012/018-010/018

SOLTERWARN

BT

HXUS BOU 241300

PREDM 02025 02026 02027

PREDX 00125 00126 00127

PREDP 00125 00126 00127

PCAFT 00125

TENCM 14025 14226 14227

AFRED 01625 01226 01027

AFAPF 01825 01826 01827

KKK 33343 32333 33332

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HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 236B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
24/1200Z TO 24/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. A
C0.7/SN FLARE IN REGION 3870 (N15E12) WAS THE LARGEST THIS
PERIOD. OTHER FLARES OCCURRED IN REGION 3867 (S12W13), REGION
3873 (S14W39), AND IN REGION 3875 (N08E54) WHICH WAS NUMBERED
TODAY. ALL REGIONS REMAIN MAGNETICALLY SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW FOR THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN ACTIVE. IT IS EXPECTED TO REMAIN ACTIVE INTO TOMORROW AND
THEN DECLINE TO UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 25 AUG-27 AUG

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 AUG 140

PREDICTED 25 AUG-27 AUG 142/145/148

90 DAY MEAN 24 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 AUG 019/016

ESTIMATED AFR/AP 24 AUG 022/024

PREDICTED AFR/AP 25 AUG-27 AUG 016/018-012/015-010/015

SOLTERWARN

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