

HFUS 1 BOU 231300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 143A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 23 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/1200Z TO 23/1200Z: SOLAR ACTIVITY IS MODERATE. REGION 3740 (N20W11) REMAINS THE PRIME SOURCE BUT IS NOW SHOWING SIGNS OF DECAY. THE LARGER SPOTS ARE FRAGMENTING AND THE TOTAL SPOT AREA IS DECLINING. CLASS M FLARES WERE OBSERVED IN REGION 3740 AT 221659Z AND 230242Z; M2 AND M1 RESPECTIVELY. AN HSX CLASS SPOT GROUP IS ROTATING ONTO THE DISK NEAR SE16 AND MAY BE THE RETURN OF OLD REGION 3714. THE OTHER DISK FEATURES ARE STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE AS A RESULT OF THE BEHAVIOR OF 3740.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO UNSETLED CONDITIONS SHOULD CONTINUE.

III. EVENT PROBABILITIES 24 MAY-26 MAY

CLASS M 75/75/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 155

ESTIMATED 23 MAY 150

PREDICTED 24 MAY-26 MAY 147/144/141

90 DAY MEAN 22 MAY 177

V. GEOMAGNETIC A INDICES

OBSERVED AFR 21 MAY 009 AP 22 MAY 007

ESTIMATED AFR 22 MAY 005 AFR/AP 23 MAY 005/015

PREDICTED AFR/AP 24 MAY-26 MAY 012/015-012/015-010/015

SOLTERWARN

BT

HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 143B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 MAY 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
23/1200Z TO 23/2100Z: SOLAR ACTIVITY REMAINS MODERATE WITH AN
M1/IB FLARE AT 1845Z IN REGION 3740 (N20W13). THIS REGION IS
DECAYING SLOWLY BUT APPEARS CAPABLE OF PRODUCING FURTHER
M-CLASS EVENTS. NEW REGION 3750 (S17E78) ROTATED ONTO THE DISK
EARLIER TODAY AND HAS BEEN INACTIVE. ALL OTHER REGIONS ARE
STABLE OR DECLINING

IB. SOLAR ACTIVITY FORECAST: MODERATE SOLAR ACTIVITY IS
POSSIBLE FROM REGION 3740 THROUGHOUT THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED DURING
THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 24 MAY-26 MAY

CLASS M 75/75/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 MAY 155

PREDICTED 24 MAY-26 MAY 152/149/146

90 DAY MEAN 23 MAY 177

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 MAY 003/007

ESTIMATED AFR/AP 23 MAY 005/007

PREDICTED AFR/AP 24 MAY-26 MAY 012/010-012/010-012/015

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HXUS BOU 232200

PREDM 07524 07525 07026

PREDX 00524 00525 00526

PREDP 00124 00125 00126

PCAFT 00124

TENCM 15224 14925 14626

AFRED 01224 01225 01226

AFAPF 01024 01025 01526

BT