

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 131

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 MAY 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. THE LARGEST FLARE WAS AN
M1/1B AT 1117Z FROM REGION 2438 (S16E32). NUMEROUS SUBFLARES
OCCURRED, PRIMARILY IN REGION 2438 WHICH IS NOW THE MOST ACTIVE
REGION. THE DELTA IN REGION 2418 (S19W62) HAS WEAKENED AND THIS
REGION HAS LOST SOME OF ITS FLARE POTENTIAL. HOWEVER, A 2N FLARE
OCCURRED IN THIS REGION AT 2005Z INDICATING SOME REMAINING
POTENTIAL FOR MODERATELY LARGE FLARES. ONE NEW REGION WAS
CONFIRMED TODAY, 2448 (S15W53), WITH ANOTHER POSSIBLE REGION
AT (S23E75) STILL UNCONFIRMED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE DUE TO
INCREASED FLARE POTENTIAL OF REGION 2438, AND SOME REMAINING
POTENTIAL IN REGION 2418, DUE PARTLY TO A POSSIBILITY FOR
INTERACTION WITH NEARBY REGION 2448.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED AND IS
EXPECTED TO BECOME INCREASINGLY UNSETTLED DUE TO THE OCCURRENCE
OF A FAVORABLY LOCATED CORONAL HOLE.

III. EVENT PROBABILITIES 11 MAY - 13 MAY

CLASS M 60/60/65

CLASS X 05/05/10

PROTON 01/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAY 187

PREDICTED 11-13 MAY 186/185/183

30-DAY MEAN 10 MAY 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 MAY 20

ESTIMATED AFR/AP 10 MAY 08/10

PREDICTED AFR/AP 11-13 MAY 09/12 - 15/18 - 11/12

SOLTERWARN

BT