

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 134

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY
TWO CLASS C/SUBFLARES HAVE BEEN REPORTED FROM REGION 2452
(S08E49). THIS REGION IS SMALL BUT GROWING WITH A D-TYPE SPOT
GROUP AND AN ACTIVE ARCH FILAMENT SYSTEM. REGION 2438 (S16W08)
HAS NOT CHANGED SIGNIFICANTLY. ALL OTHER REGIONS ARE STABLE.
SMALL SURGES ARE VISIBLE ON THE EAST LIMB AT S15 AND N12.

RETURNING REGION 2396 (S15) PRODUCED 3 CLASS M EVENTS DURING
ITS LAST ROTATION. THE RETURNING REGION AT N12 WAS INACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE FOR
THE NEXT THREE DAYS. REGION 2438 HAS BEEN QUIET BUT APPEARS
CAPABLE OF MORE FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED THE PAST 24
HOURS. IT IS EXPECTED TO BE QUIET TO UNSETLED DURING THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 14 MAY - 16 MAY

CLASS M 50/55/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAY 189

PREDICTED 14-16 MAY 192/194/195

90-DAY MEAN 13 MAY 190

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 12 MAY 21

ESTIMATED AFR/AP 13 MAY 08/10

PREDICTED AFR/AP 14-16 MAY 08/07 - 07/08 - 07/09

SOLTERWARN

BT