

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 163

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. ONLY
SUBFLARES AND LOW C-CLASS X-RAY EVENTS HAVE OCCURRED. REGION
2490 (S15W44) CONTINUED TO DECAY ALTHOUGH IT REMAINS MAGNETICALLY
COMPLEX. REGION 2505 (S14W33) GREW IN WHITE LIGHT BUT SIMPLIFIED
MAGNETICALLY. NEW REGION 2511 (SN12E34) FORMED BENEATH REGION
2502 (N17E37) AND SHARES A COMMON NEUTRAL LINE. NEW REGION 2512
(N28W36) GREW TO NORTH OF 2496 (N16W33). ALL OTHER REGIONS
REMAINED MOSTLY STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE REGIONS IN THE
SOUTHWEST QUADRANT (2505 AND 2490) AND 2502 OFFER THE BEST
POSSIBILITY FOR MODERATE ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD EXPERIENCED INTERVALS AT MINOR STORM
LEVELS FOR THE PAST 24 HOURS WITH THE MAXIMUM DEVIATION AT
BOULDER BEING 125 GAMMAS BETWEEN 0900-1030 UT. THIS STORM IS
ATTRIBUTED TO A COMBINATION OF AN M7 FLARE ON 07 JUNE AND THE
DISAPPEARANCE OF SEVERAL LARGE FILAMENTS WITHIN 12 HOURS OF
THAT FLARE. THE STORM IS EXPECTED TO SUBSIDE QUICKLY WITH THE
FIELD BECOMING MOSTLY QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 JUNE - 14 JUNE

CLASS M 30/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUNE 177

PREDICTED 12-14 JUNE 180/180/178

90-DAY MEAN 11 JUNE 203

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JUNE 32

ESTIMATED AFR/AP 11 JUNE 25/40

PREDICTED AFR/AP 12-14 JUNE 15/18 - 07/12 - 05/08

SOLIERWARN

BT