

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

PROMPT 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 INDICES

OBSERVED FREDERICKSBURG 10 JUNE 32

ESTIMATED AFR/APR 11 JUNE 25/40

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

SOLTERWARN

BT