

HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 151

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. THE GENERAL TREND OF THE LARGER DISK REGIONS APPEARS TO BE ONE OF DECAY. THE RAPIDLY DROPPING 10.7 CM FLUX ALSO ATTEST TO THIS STATE OF DECAY. HOWEVER, THERE REMAINS THE POSSIBILITY OF A DELTA MAGNETIC CONFIGURATION IN REGION 2470 (S20W61) AND REGIONS 2469 (S12W58) AND 2478 (S12W00) REMAIN LARGE AND STRUCTURALLY INTERESTING. REGION 2476 (N10W38) IS ALSO LARGE (A BETA GAMMA) 'E' TYPE GROUP BUT THE DIFFUSION OF THIS REGION WOULD APPEAR TO HAVE GREATLY DIMINISHED ITS FLARE POTENTIAL. THE REMAINING DISK REGIONS ARE SMALL AND RELATIVELY UNCHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE WITH REGION 2470 BEING THE PRIME CANDIDATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. UNSETLED TO ACTIVE CONDITIONS SHOULD DOMINATE THE NEXT 24 TO 36 HOURS WITH PERIODS OF STORM CONDITIONS INTERSPERSED.

III. EVENT PROBABILITIES 31 MAY 1980 - 02 JUNE 1980

CLASS M 75/75/75

CLASS X 15/10/05

PROTON 15/10/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAY 217

PREDICTED 31 MAY - 02 JUNE 207/197/185

90-DAY MEAN 30 MAY 201

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 29 MAY 09

ESTIMATED AFR/AP 30 MAY 12/10

PREDICTED AFR/AP 31 MAY - 01 JUNE 18/25 12/20 10/10

SOLTERWARN

BT