

HFUS 1180U 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 124

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH NO X-RAY
BURST LARGER THAN C2. EXTENDED REGION 1711 (N16W32) CONTINUES TO
HAVE A BETA GAMMA CONFIGURATION WITH THE TIGHTEST GRADIENT BEHIND
THE LARGE LEADER SPOT. HOWEVER, REGION 1720 (N12W20) HAS RE-EMERGED
DRAMATICALLY ABOUT 4 DEGREES SSE OF THE LARGE TRAILER OF REGION
1711. STRONG ARCH FILAMENTS INDICATE REGION 1720 IS STILL IN A
VIGOROUS GROWTH PATTERN. REGIONS 1724 (N22E68), 1725 (N04E41),
1726 (S28E74), AND 1727 (N24E60) HAVE ~~BEEN~~ SHOWN TODAY WITH REGION
1727 SHOWING SOME GROWTH. CULGOORA REPORTED A TYPE II BURST
ABOVE THE NE LINE. OLD ACTIVE REGIONS 1684 AND 1689 ARE DUE BACK
IN THE NE QUADRANT ON 06 AND 07 MAY RESPECTIVELY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. THE REGION
1711/1720 COMPLEX IS EXPECTED TO PRODUCE ISOLATED (1-3) EVENTS
EQUAL OR GREATER THAN CLASS M OVER THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.
A SHORT LIVED MINOR MAGSTORM IS EXPECTED ON 05 MAY IN RESPONSE
TO THE FLARE ON 02 MAY. THE FIELD IS EXPECTED TO BE UNSETTLED
ON 06 AND 07 MAY.

III. EVENT PROBABILITIES 05 - 07 MAY

CLASS M 80/80/80

CLASS X 25/25/25

PROTON 15/15/15

POCF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 173

PREDICTED 05 - 07 MAY

172/170/168

90-DAY MEAN 04 MAY 129

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAY

05

ESTIMATED AFR/AP 04 MAY

05/10

PREDICTED AFR/AP 05 - 07 MAY

30/30 10/14 10/12

SOLTERWARN

BT