

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 20/80/80

CLASS X 25/25/25

PROTON 15/15/15

PCAF 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