

HFUS 3 BOU 110200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 11 JUNE 1979

SOLAR ACTIVITY SHOULD REMAIN PREDOMINATELY MODERATE WITH ISOLATED HIGH PERIODS THROUGHOUT THE SEVEN DAYS. REGIONS 1796 (N17E16), 1797 (S17E23), 1788 (S21W39) AND 1781 (N20W60) ARE MAGNETICALLY COMPLEX GROUPS AND ALL APPEAR CAPABLE OF PRODUCING ENERGETIC EVENTS.

THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS DURING THE FORECAST PERIOD. THE EFFECTS FROM AN X2 X-RAY FLARE WHICH OCCURRED ON 10 JUNE MAY BE COINCIDENTAL WITH THAT FROM A CORONAL HOLE WHICH PASSED CENTRAL MERIDIAN ON 10 JUNE TO PRODUCE MORE ACTIVE LEVELS FROM 13-15 JUNE.

SOLTERWARN

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HFUS 1 BOU 110201

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

27-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0201Z 11 JUNE 1979

SOLAR ACTIVITY SHOULD BE MOSTLY MODERATE WITH POSSIBLE ISOLATED HIGH LEVELS OCCURRING FROM 11-19 JUNE. THE PERIOD 20-29 JUNE SHOULD BE AT LOW LEVELS AND THEN CLIMB BACK TO MODERATE LEVELS AFTER 29 JUNE TO THE END OF THE FORECAST PERIOD. THESE HIGHER LEVELS ARE FORECAST BASED ON ACTIVE LONGITUDES AT APPROXIMATELY 160 AND 100 DEGREES CARRINGTON WHICH SHOULD FOLLOW THE RETURN OF REGION 1781 AT CARRINGTON 179.

THE GEOMAGNETIC FIELD IS FORECAST AT UNSETTLED TO ACTIVE LEVELS UNTIL 26 JUNE WITH PREDOMINATELY ACTIVE LEVELS OCCURRING FROM 13-15 JUNE. THE FIELD IS EXPECTED TO DECREASE TO MOSTLY QUIET CONDITIONS FROM 27 JUNE TO 01 JULY AND THEN RETURN TO UNSETTLED LEVELS FOR THE REMAINDER OF THE PERIOD.

SOLTERWARN

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HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 162

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE. THERE WAS AN M-1 FLARE AT
1222 UT WITH NO OPTICAL ASSOCIATION. REGION 1781 (N20W75) HAD A
C4/2B FLARE AT 1745 UT, IT HAS DECAYED SLIGHTLY. REGIONS 1788
(S20W51) AND 1796 (N18E04) HAVE GROWN SLIGHTLY. REGION 1788 HAS
DEVELOPED A DELTA CONFIGURATION AND ITS LEADER SPOTS APPEAR TO
BE MOVING TOWARD 1782 (S22W64). REGION 1797 (S17E10) HAS DECAYED
SLIGHTLY, IT IS STILL A D-TYPE GROUP. NEW REGION 1803
(S15E69) IS AN A-TYPE GROUP. THE REST OF THE DISK/LIMB IS LITTLE
CHANGED.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGIONS 1796, 1797,
AND 1788 RETAIN THE POSSIBILITY OF LARGE FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE.
THE FIELD SHOULD BE ACTIVE LATE TOMORROW FROM THE EFFECTS OF THE
X-FLARE ON JUNE 10.

III. EVENT PROBABILITIES 12 JUNE - 14 JUNE

CLASS M 80/70/70

CLASS X 15/15/15

PROTON 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUNE 221

PREDICTED 12-14 JUNE 210/205/195

90-DAY MEAN 11 JUNE 181

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JUNE 14

ESTIMATED AFR/AP 11 JUNE 11/14

PREDICTED AFR/AP 12-14 JUNE 15/16 - 15/12 - 10/10

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