

HFUS 3 BOU 040200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 04 JUNE 1979

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE THROUGHOUT THE WEEK OWING PRINCIPALLY TO REGION 1781 WHICH IS AN EXTREMELY MAGNETICALLY COMPLEX D-TYPE GROUP LOCATED AT N 19E 29.

THE GEOMAGNETIC FIELD IS EXPECTED TO FLUCTUATE AT UNSETTLED LEVELS THROUGHOUT THE FORECAST PERIOD.

SOLTERWARN

BT

HFUS 3 BOU 040201

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

27-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0201Z 04 JUNE 1979

FORECAST FOR 04 JUNE - 01 JULY

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE FOR THE FIRST THREE WEEKS OF THE FORECAST PERIOD. THE ACTIVITY LEVEL MAY DECREASE TO LOW DURING THE FINAL WEEK AS PREVIOUSLY STABLE LONGITUDES (APPROXIMATELY CARRINGTON 180-290 DEGREES) BECOME DOMINANT ON THE VISIBLE DISK.

THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET 12-14 AND 27-29 JUNE AND TO BE ACTIVE 16-17 AND 20-25 JUNE. THE BALANCE OF THE PERIOD THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED.

SOLTERWARN

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HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 155

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 04 JUNE 1979

IA. SOLAR ACTIVITY WAS MODERATE TO HIGH DURING THE PAST 24 HOURS. REGION 1781 (N20E18) PRODUCED AN X1/2N FLARE AT 040346Z (MAXIMUM) THAT DID NOT END UNTIL 040458Z. ALTHOUGH SHORTWAVE FADES AND SWEEP FREQUENCY BURST ACCOMPANIED THIS EVENT, NO TYPE II/TYPE IV WAS REPORTED NOR WAS THE 10 CM DATA IMPRESSIVE (120 FLUX UNITS).

SINCE THAT TIME, 1781 HAS CONTINUED TO RESTRUCTURE, DISPLAY FLUCTUATIONS AND POINT BRIGHTENINGS AND OCCASIONALLY PRODUCE A SMALL "C" TYPE X-RAY BURST. THE GENERAL IMPRESSION OF THE OVERALL DISK IS ONE OF VIABILITY AND ANTICIPATION. ONE OLD PLAGE HAS REGENERATED SPOTS, 1777 (S15W20); TWO NEW ONES WERE BORN, 1792 (N15W59) AND 1793 (N12E10) AND ONE ROTATED OVER THE EAST LIMB, 1794 (N18E75).

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE TO HIGH LEVELS.

REGION 1781 SHOULD BE THE PRIME PRODUCER.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO OCCASIONALLY UNSETLED CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 TO 36 HOURS. THE X1 BURST AT 040346Z MAY IMPACT THE GEOMAGNETIC FIELD EARLY ON 06 JUNE RESULTING IN ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 05 JUNE - 07 JUNE

CLASS M 9 0/3 0/9 0

CLASS X 20/2 0/2 0

PROMPT 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JUNE 234

PREDICTED 05-07 JUNE 220/218/218

90-DAY MEAN 04 JUNE 178

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 03 JUNE 02

ESTIMATED AFR/AP 04 JUNE 07/09

PREDICTED AFR/AP 05-07 JUNE 08/17 - 25/25 - 15/15

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