

HFUS 1 BDU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SF NUMBER 154

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
REGION 1781 (N19E30) HAS BEEN THE MOST PROLIFIC FLARE PRODUCER
ACCOUNTING FOR ALL BUT TWO OF THE OPTICAL FLARES REPORTED SO FAR
TODAY. ONE OF THE OPTICAL FLARES WAS AN IMPORTANCE SUB BRILLIANT
THAT CORRELATED WITH AN M4 X-RAY BURST, A 666 FLUX UNIT BURST AT
10 CM AND SHORTWAVE FADES TO 18 MHZ. REGION 1781 CONTINUES TO
GROW IN WHITE LIGHT, SHOW POINT BRIGHTENINGS AND IN GENERAL
PRESENTS A THREATENING APPEARANCE. REGION 1774 (N14W02) IS DECAYING
AND EXCEPT FOR A PATCH OF BRIGHT PLAGE, DOES NOT APPEAR DYNAMIC.
A NEW SPOT GROUP DEVELOPED NEAR S09E46 AND IS NUMBER 1790. REGIONS
1772 (N25W59) AND 1782 (S22E39) HAVE PRODUCED AN OCCASIONAL FLARE
BUT THEY, AS WELL AS THE REMAINING REGIONS, ARE BASICALLY
UNIMPRESSIVE.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A MODERATE LEVEL AS A RESULT
OF CONTINUED DEVELOPMENT IN 1781.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO CHANGE IS
EXPECTED.

III. EVENT PROBABILITIES 04 JUNE - 06 JUNE

CLASS M 80/70/70

CLASS X 20/20/20

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JUNE 220

PREDICTED 04-06 JUNE 223/224/224

90-DAY MEAN 03 JUNE 178

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JUNE 34

ESTIMATED AFR/AP 03 JUNE 06/08

PREDICTED AFR/AP 04-06 JUNE 08/08 - 08/17 - 08/10

SOLTERWARN

BT