

HFUS 1 BOU 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 04

ESTIMATED AFR/AP 03 JUNE 06/08

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

SOLTERWARN

BT