

4EUS 1 B OU 252200  
 FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
 SDF NUMBER 176  
 JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
 ISSUED 2200Z 25 JUNE 1978  
 IA. SOLAR ACTIVITY HAS BEEN LOW. SUBFLARES AND CLASS C X-RAY  
 BURSTS HAVE OCCURRED IN SIX OF THE 12 SPOTTED REGIONS. MAJOR  
 SUNSPOT STRUCTURES EXIST IN REGIONS 1170 (N17W03), 1172 (S20E12),  
 AND 1176 (N23E24). FLARE ACTIVITY SHOULD BE PRIMARILY FROM THESE  
 REGIONS. A NEW REGION IS ROTATING ON TO THE DISK NEAR NE 15.  
 IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.  
 II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THESE  
 CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 24-36 HOURS  
 WITH THE FIELD THEN BECOMING GENERALLY UNSETTLED. THE SATELLITE  
 PROTON EVENT WHICH BEGAN NEAR 24/0900Z DECREASED TO THRESHOLD  
 VALUES NEAR 25/1500Z.  
 III. EVENT PROBABILITIES 26 JUNE - 28 JUNE  
 CLASS M 75/75/75  
 CLASS X 30/30/30  
 PROTON 30/30/30  
 PCAF YELLOW  
 IV. OTTAWA 10.7 CM FLUX  
 OBSERVED 25 JUNE 178  
 PREDICTED 26-28 JUNE 176/174/174  
 90-DAY MEAN 25 JUNE 146  
 V. GEOMAGNETIC A INDICES  
 OBSERVED FREDERICKSBURG 24 JUNE 21  
 ESTIMATED AFR/AP 25 JUNE 14/18  
 PREDICTED AFR/AP 26-28 JUNE 15/24 - 12/12 - 12/10  
 SOLTERWARN  
 BT