

HFUS , BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 227

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 AUGUST 1979

IA. SOLAR ACTIVITY HAS BEEN LOW EXCEPT FOR AN M3/1B FLARE AT 1531Z (MAX) FROM REGION 1926 (S23E35). THIS D-TYPE SPOT GROUP HAS GROWN TODAY AND HAS DEVELOPED MAGNETIC ANOMALIES. REGION 1929 (S26E52) IS A LARGE E-TYPE SPOT GROUP WITH REVERSED MAGNETIC POLARITIES AND TWO NEUTRAL LINES WITH STEEP GRADIENTS. REGIONS 1931 (S14E65) AND 1932 (N18E73) HAVE ROTATED INTO VIEW AS SIMPLE AND DECLINING REGIONS. REGION 1915 (N14W28) CONTINUES AS A COMPLEX REGION BUT IT IS SLOW IN EVOLUTION AND RELATIVELY QUIET.

IB. THE COMPLEX OF REGIONS 1926 AND 1929 POSE A DISTINCT THREAT FOR CLASS M EVENTS DAILY, AND FURTHER GROWTH MAY BRING POTENTIAL FOR CLASS X AND PROTON EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. QUIET CONDITIONS SHOULD DOMINATE THE NEXT THREE DAYS WITH UNSETLED CONDITIONS BECOMING PREVALENT DURING EVENING HOURS ON THE LAST TWO DAYS.

III. EVENT PROBABILITIES 16 AUGUST - 18 AUGUST

CLASS M 9/0/90/90

CLASS X 10/10/10

PROTON 02/02/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 AUGUST 163

PREDICTED 16-18 AUGUST 167/170/170

90-DAY MEAN 15 AUGUST 167

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 14 AUGUST .09

ESTIMATED AFR/AP 15 AUGUST 06/06

PREDICTED AFR/AP 16-18 AUGUST 08/07 - 10/14 - 10/15

SOLTERWARN

BT