

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 214

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 AUG 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE LARGEST EVENT OBSERVED TODAY HAS BEEN A C2/SB FLARE FROM REGION 1890 (N16W49) WHICH REACHED MAXIMUM AT 2108Z. A C1/SN FLARE WAS OBSERVED FROM NEW REGION 1904 (N23E67) AT 1814Z. THIS REGION IS EMERGING SLOWLY WITH 2 NEW SPOTS RECENTLY OBSERVED. REGIONS 1892 (S22W18), 1895 (S12W15), 1898 (N23W25), AND 1902 (S09E57) HAVE ALSO PRODUCED SMALL SUBFLARES. NEW REGION 1903 (N18E43) HAS EMERGED TODAY AS A SIMPLE B TYPE GROUP. A NEW A-TYPE SPOT HAS BEEN REPORTED AT (N26W68) BUT HAS NOT BEEN NUMBERED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE FORECAST PERIOD. REGIONS 1895, 1892 HAVE DECAYED RAPIDLY TODAY AND NOW APPEAR TO PRESENT LITTLE THREAT FOR M-CLASS X-RAY EVENTS. REGION 1890 HAS DECAYED SLIGHTLY BUT STILL INDICATES THE BEST POTENTIAL FOR M-CLASS EVENTS.

II. THE GEOMAGNETIC FIELD WAS AT UNSETTLED LEVELS THROUGH MOST OF THE DAY FOLLOWING A DISTURBED CONDITION BETWEEN 0600Z AND 1200Z. UNSETTLED TO OCCASIONALLY ACTIVE CONDITIONS ARE EXPECTED THROUGH THE NEXT 48 HOURS, FOLLOWED BY A QUIET PERIOD.

III. EVENT PROBABILITIES 03 AUGUST - 05 AUGUST

CLASS M 40/40/30

CLASS X 05/01/01

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 AUG 142

PREDICTED 03 - 05 AUGUST 142/141/135

90-DAY MEAN 02 AUGUST 170

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 AUGUST 11

ESTIMATED AFR/AP 02 AUGUST 14/15

PREDICTED AFR/AP 03 - 05 AUGUST 12/15 10/14 06/10

SOLTERWARN

BT