

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 SEPTEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY SUBFLARES AND LOW LEVEL CLASS C X-RAY BURSTS BEING OBSERVED. REGION 1272 (S33W86) IS CURRENTLY MAKING ITS WEST LIMB TRANSIT QUIETLY. REGION 1284 (N32E04) HAS GROWN IN WHITE LIGHT AND IS SOMEWHAT COMPLEX MAGNETICALLY. NEW REGION 1289 (N30E84) HAS ROTATED INTO VIEW AND APPEARS TO BE A SIMPLE SPOT GROUP.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL. THE PROBABILITY OF A MAJOR FLARE BEING OBSERVED IS DIMINISHING WITH THE LIMB TRANSIT OF REGION 1272.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH ACTIVE CONDITIONS BEGINNING AT APPROXIMATELY 1300 U.T. AND ENDING APPROXIMATELY 1630 U.T. SINCE THAT TIME THE FIELD HAS QUIETED AND SHOULD REMAIN AT GENERALLY QUIET TO UNSETTLED LEVELS FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 SEPTEMBER - 14 SEPTEMBER

CLASS M	25/20/15
CLASS X	05/05/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	11 SEPTEMBER	141
PREDICTED	12-14 SEPTEMBER	136/131/127
90-DAY MEAN	11 SEPTEMBER	136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	10 SEPTEMBER	10
ESTIMATED AFR/AP	11 SEPTEMBER	12/15
PREDICTED AFR/AP	12-14 SEPTEMBER	08/10 - 05/07 - 04/07

SOLTERWARN

BT

4/147

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 254

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 SEPTEMBER 1979

IA. SOLAR ACTIVITY WAS MODERATE DURING THE LAST 24 HOURS. REGION
1980 (N16W14) PRODUCED TWO MIX-RAY EVENTS: THE FIRST WAS A
2B OPTICAL IMPORTANCE, MAX AT 1349Z; THE SECOND WAS SB IMPORTANCE,
MAX AT 1643Z. THE REGION 1979/1982/1983 AREA (N13E26) ACCOUNTED
FOR SEVERAL SUBFLARES TODAY AS ITS MAGNETIC STRUCTURE HAS INCREASED
IN COMPLEXITY.

IB. SOLAR ACTIVITY WILL REMAIN AT MODERATE LEVELS FOR THE NEXT 24
HOURS. THE 1979/1982/1983 COMPLEX IS VERY LIKELY TO PRODUCE AN
M-CLASS EVENT, AND THE 1972/1980 COMPLEX ALSO HAS GOOD FLARE
POTENTIAL.

II. THE GEOMAGNETIC FIELD EXPERIENCED MINOR STORM CONDITIONS
BETWEEN 0900Z AND 1800Z, APPARENTLY DUE TO THE DISAPPEARING
FILAMENT MENTIONED IN YESTERDAY'S REPORT. THE FIELD IS NOW AT
UNSETTLED LEVELS AND IS EXPECTED TO REMAIN SO THROUGHOUT THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 12 SEPTEMBER - 14 SEPTEMBER

CLASS M 80/80/80

CLASS X 05/10/15

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 SEPTEMBER 184

PREDICTED 12-14 SEPTEMBER 185/187/189

90-DAY MEAN 11 SEPTEMBER 168

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 SEPTEMBER 08

ESTIMATED AFR/AP 11 SEPTEMBER 19/17

PREDICTED AFR/AP 12-14 SEPTEMBER 12/15 - 10/12 - 08/10

SOLTERWARN

BT