

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 AUGUST 1978

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO SOLAR FLARES
RECORDED EVEN BY SATELLITE DETECTORS DURING THE PAST 24 HOURS.
MINOR NEW ACTIVE REGIONS HAVE DEVELOPED AT N25W34 (REGION 1234)
AND S26W64 (REGION 1235). ONLY THE FORMER IS GROWING, BUT SLOWLY.
THE OTHER THREE SMALL SPOTTED REGIONS ARE LITTLE CHANGED FROM
YESTERDAY.

IB. THE RETURN OF REGION 1203 ON 03-04 AUGUST MAY INCREASE
ACTIVITY SLIGHTLY. THERE ARE NO INDICATIONS OF ANY SIGNIFICANT
ACTIVITY NEAR EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS CONTINUED EXTREMELY QUIET FOR THE
FOURTH CONSECUTIVE DAY. QUIET CONDITIONS ARE EXPECTED FOR YET
ANOTHER DAY BEFORE COMMENCEMENT OF A MINOR MAGNETIC DISTURBANCE
ORIGINATING FROM A NEW SOURCE OF HIGH-SPEED SOLAR WIND. THIS
STORM IS EXPECTED TO CONTINUE FOR TWO OR THREE DAYS AND BECOME
A RECURRENT FEATURE.

III. EVENT PROBABILITIES 03 AUGUST - 05 AUGUST

CLASS M 01/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 AUGUST 103

PREDICTED 03-05 AUGUST 105/107/110

90-DAY MEAN 02 AUGUST 138

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 AUGUST 03

ESTIMATED AFR/AP 02 AUGUST 02/04

PREDICTED AFR/AP 03-05 AUGUST 05/08 - 20/12 - 25/12

SOLTERWARN

BT