

HFUS 1780U
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO
SDF NUMBER 325

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION 1398
(N39W72) HAS SHOWN SIGNS OF DECAY AND HAS PRODUCED SEVERAL
SUBFLARES AND C-LEVEL XRAY EVENTS. NEW REGIONS 1410 (N24E04)
AND 1411 (S11E44) ARE C AND B TYPE GROUPS RESPECTIVELY. NEW
REGION 1412 (N16E85) IS AN H-TYPE GROUP AND APPEARS TO BE
RETURNING REGION 1379. REMAINING REGIONS ARE STABLE AND UN-
INTERESTING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE NEXT 24 HOURS.
II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE LAST 24 HOURS.
QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 22-24 NOVEMBER

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 NOVEMBER 129

PREDICTED 22-24 NOVEMBER 132/135/136

90-DAY MEAN 21 NOVEMBER 154

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 NOVEMBER 18

ESTIMATED AFR/AP 21 NOVEMBER 09/15

PREDICTED AFR/AP 22-24 NOVEMBER 07/15 - 07/15 - 07/12

SOLTERWARN

BT

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 325

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO LOW DURING THE LAST 24 HOURS. ONE M3 X-RAY BURST WAS NOTED WITH A MAXIMUM AT 21/0700Z BUT NO OPTICALLY ASSOCIATED EVENTS WERE REPORTED WITH IT. MINOR CENTIMETRIC RADIO BURSTS WERE OBSERVED WITH THIS MYSTERY FLARE, AS WELL AS A WEAK TYPE II SWEEP FREQUENCY EVENT. THE ONLY OTHER ACTIVITY OF NOTE WAS A 2F OPTICAL FLARE (WITHOUT NOTICEABLE X-RAYS) FROM A SPOTLESS AREA WHICH HAS NOW BEEN LABELLED REGION 2140 (SIZE 08). OTHERWISE LESS THAN HALF A DOZEN SMALL C-CLASS SUBFLARES WERE SEEN DURING THE PAST 24 HOURS AMONG VARIOUS DISK REGIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW WITH THE POSSIBILITY OF AN ISOLATED SMALL M-CLASS BURST. THE SUN APPEARS TO BE ENTERING A TEMPORARY LULL IN ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN RATHER QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO CONTINUE QUIET TO MILDLY UNSETTLED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 22 - 24 NOVEMBER 1979

CLASS M 50/40/40

CLASS X 03/01/01

PROTON 03/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 NOV 195

PREDICTED 22-24 NOV 191/187/187

90-DAY MEAN 21 NOV 221

V. GEOMAGNETIC A INDICES

OBSERVED FREDRICKSBURG 20 NOV 09

ESTIMATED AFR/AP 21 NOV 05/08

PREDICTED AFR/AP 22-24 NOV 07/10 07/08 05/12

SOLTERWARN

BT