

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 OCTOBER 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1320 (S15E49) HAD AN
M7/2B FLARE AT 0656Z WITH SWF UP TO 31 DB. IT IS NOW A D-TYPE
GROUP WITH POSSIBLE BETA GAMMA MAG. FIELD. THERE HAS BEEN A
SUBFLARE FROM REGION 1304 (N31W71), 1310 (N17W15) AND FROM A SPOT-
LESS AREA AT N28W39. REGION 1321 (N16E54) IS A B-TYPE GROUP WITH
POSSIBLE PENUMBRA. REGION 1307 (S15W38) IS AN A-TYPE GROUP. REGIONS
1309 (N36W16), 1318 (S17W23), 1322 (S12E14), AND 1323 (N20E15)
ARE NOW SPOTLESS. NEW REGION 1324 (N15E43) IS A B-TYPE GROUP. THE
REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. FLARE POSSIBILITIES
ARE IN REGION 1320 AND 1321 (N16E54).

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. CONDITIONS SHOULD BE
UNSETTLED FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 02 OCTOBER - 04 OCTOBER

CLASS M 35/40/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCTOBER 139

PREDICTED 02-04 OCTOBER 141/144/146

90-DAY MEAN 01 OCTOBER 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 SEPTEMBER 10

ESTIMATED AFR/AP 01 OCTOBER 09/12

PREDICTED AFR/AP 02-04 OCTOBER 13/20 - 10/13 - 08/10

SOLTERWARN

BT

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 OCTOBER 1979

IA. SOLAR ACTIVITY WAS MODERATE DURING THE LAST 24 HOURS. REGION
2006 (N20W58) PRODUCED AN M3/SB FLARE, WITH MINOR RADIO AT 1141 UT.
AN M1/1B OCCURRED FROM REGION 2019 (S21W24) AT 0607 UT WITH MINOR
RADIO. REGION 2025 (N13E58) MAY BE TWO REGIONS, HOWEVER LIMITED
MAGNETIC INFORMATION, WITH POOR SEEING HAS PREVENTED DETAILED ANALYSIS.
REGION 2025 DID PRODUCE A LONG-LIVED M1/2B FLARE WITH MAXIMUM AT
1811 UT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT MODERATE LEVELS. REGION
2006 IS NOW AN E-TYPE BETA/DELTA AND CONTINUES TO SHOW GROWTH.
REGION 2025 IS A BETA-GAMMA AND SHOULD CONTINUE TO PRODUCE M-CLASS
X-RAY FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO REMAIN UNSETTLED TILL NEAR THE END OF
THE PERIOD WHEN FIELD IS EXPECTED TO BECOME ACTIVE.

III. EVENT PROBABILITIES 02 OCTOBER - 04 OCTOBER

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCTOBER 212

PREDICTED 02-04 OCTOBER 216/210/200

90-DAY MEAN 01 OCTOBER 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 SEPTEMBER 17

ESTIMATED AFR/AP 01 OCTOBER 12/15

PREDICTED AFR/AP 02-04 OCTOBER 12/19 - 08/17 - 20/07

SOLTERWARN

BT