

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

I. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1320 (S 15E 49) 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 (N 31W 71), 1310 (N 17W 15) AND FROM A SPOTLESS AREA AT N 28W 39. REGION 1321 (N 16E 54) IS A B-TYPE GROUP WITH POSSIBLE PENUMBRA. REGION 1307 (S 15W 38) IS AN A-TYPE GROUP. REGIONS 1309 (N 36W 16), 1318 (S 17W 23), 1322 (S 12E 14), AND 1323 (N 22E 15) ARE NOW SPOTLESS. NEW REGION 1324 (N 15E 43) IS A B-TYPE GROUP. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

II. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. FLARE POSSIBILITIES ARE IN REGION 1320 AND 1321 (N 16E 54).

III. 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

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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

PREDICTON 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

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