

HFUS 180U 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 276

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 OCT 1978

IA. SOLAR ACTIVITY HAS CONTINUED TO BE LOW FOR THE PAST 24 HOURS. THERE HAVE BEEN SEVERAL SMALL C-CLASS X-RAY FLARES ASSOCIATED WITH SUB-FAINT AND IN OPTICAL FLARES FROM REGIONS 1320 (S12E20) AND 1321 (N16E32) DURING THE PERIOD. REGION 1320 HAS APPARENTLY INCREASED IN MAGNETIC COMPLEXITY AND SIZE AND HAS BEEN EXHIBTING ACTIVITY WITH THE OCCURRENCE OF BRIGHT POINTS AND PLAGE FLUCTUATIONS.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE NEXT 24 HOURS. THE PROBABILITY OF SEVERAL C-CLASS X-RAY FLARES ASSOCIATED WITH REGION 1320 IS HIGH AND IF THE REGION CONTINUES TO CHANGE MAGNETICALLY, LARGER FLARES MAY BE PRODUCED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE LAST 24 HOURS. THESE CONDITIONS SHOULD REMAIN GENERALLY UNSETTLED FOR THE NEXT PERIOD.

III. EVENT PROBABILITIES 04 OCTOBER - 06 OCTOBER

CLASS M 30/30/40

CLASS X 05/05/10

PROTON 01/01/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCTOBER 132

PREDICTED 04-06 OCTOBER 132/130/128 ←

90-DAY MEAN 03 OCTOBER 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCTOBER 09

ESTIMATED AFR/AP 03 OCTOBER 09/11

PREDICTED AFR/AP 04-06 OCTOBER 08/12 - 10/16 - 15/20

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 276

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 OCTOBER 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS.
M EVENTS OCCURRED IN REGION 2031 (N14E37), M1/1B MAX ON 02 OCT AT
2208 UT, REGION 2019 (S25W51), M2/SB MAX ON 03 OCT AT 0834 UT,
AND REGION 2017 (N16W61), M1/SB MAX ON 03 OCT AT 2112 UT. NEW
REGION 2032 (N18E77) IS A C-TYPE GROUP WHICH HAD A C5/1N FLARE AT
1807 UT. REGIONS 2025 (N4E32) AND 2027 (N15E03) CONTINUE TO
EXHIBIT COMPLEX STRUCTURE.

IB. SOLAR ACTIVITY SHOULD CONTINUE TO BE MODERATE THROUGHOUT THE
FORECAST PERIOD. ISOLATED X-CLASS FLARES COULD OCCUR ALTHOUGH
M-CLASS ACTIVITY IS MORE LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN MOSTLY UNSETTLED FOR THE PAST
24 HOURS. ONE ACTIVE INTERVAL, FROM 0000 TO 0300 UT WAS RECORDED.
THE FIELD SHOULD REMAIN UNSETTLED FOR THE FORECAST PERIOD OWING
TO THE COMPLEX EFFECTS OF SOLAR ACTIVITY AND SOLAR MAGNETIC
CONFIGURATIONS.

III. EVENT PROBABILITIES 04 OCTOBER - 06 OCTOBER

CLASS M 75/75/75

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCTOBER 205

PREDICTED 04-06 OCTOBER 200/196/197

90-DAY MEAN 03 OCTOBER 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCTOBER 05

ESTIMATED AFR/AP 03 OCTOBER 13/15

PREDICTED AFR/AP 04-06 OCTOBER 12/12 - 12/12 - 12/12

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