

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 284

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 11 OCTOBER 1978

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW THE PAST 24 HOURS.  
TEHERAN REPORTED A 2N FLARE AT 110843Z IN REGION 1344 (S24E18)  
THAT CORRELATED WITH A C-6 X-RAY BURST. HOLLOWAN OBSERVED LOOPS  
ON THE SOUTHWEST LIMB NEAR S14 WHERE REGION 1320 (S13W90) IS  
GOING OFF THE DISK. THE 1-8 ANGSTROM X-RAY LEVEL HAS BEEN  
FLUCTUATING BETWEEN C-1 AND C-4 THRESHOLDS SINCE ABOUT 110400Z.  
THIS, ALONG WITH THE LOOPS, MAY BE ASSOCIATED WITH SOME ACTIVITY  
BEHIND THE SOUTHWEST LIMB. FOUR NEW GROUPS ARE VISIBLE TODAY -  
REGIONS 1346 (S19E23), 1347 (S23E57), 1348 (S22E73) AND 1349  
(W32E76) ALL OF WHICH ARE SIMPLE AND STABLE AT PRESENT. REGION  
1332 (S24W48) IS GROWING SIGNIFICANTLY WHILE THE REMAINDER OF THE  
DISK IS BASICALLY STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE AS THE RAPID GROWTH IN  
1332 MAY PRECIPITATE SOME ACTIVITY.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND NO SIGNIFICANT  
CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 12 OCTOBER - 14 OCTOBER

CLASS M 50/50/50

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCTOBER 177

PREDICTED 12-14 OCTOBER 183/187/190

90-DAY MEAN 11 OCTOBER 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 OCTOBER 09

ESTIMATED AFR/AP 11 OCTOBER 05/07

PREDICTED AFR/AP 12-14 OCTOBER 12/15 - 08/12 - 08/08

SOLTERWARN

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JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 11 OCTOBER 1979

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. AS WAS THE  
CASE YESTERDAY, ONLY SMALL C-CLASS SUBFLARES WERE OBSERVED. THERE  
ARE NOW ELEVEN SPOTTED REGIONS ON THE SOLAR DISK AND NONE OF THESE  
HAS SHOWN ANY SIGNIFICANT GROWTH OR CHANGE.

IA. SOLAR ACTIVITY WILL BE LOW TO MODERATE FOR THE NEXT 24  
HOURS. REGION 2038 (N12W04) OFFERS THE BEST CHANCE OF AN M-CLASS  
FLARE. OLD REGION 1994 (CARRINGTON 191) IS DUE TO ROTATE ONTO THE  
EAST LIMB IN ABOUT 36 HOURS AND COULD BRING AN INCREASE IN ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TODAY AND SHOULD REMAIN SO  
UNTIL 13 OCT, WHEN MINOR STORM CONDITIONS ARE EXPECTED. THIS  
FORECAST IS BASED UPON A 9 OCT DISAPPEARING FILAMENT AND UPON A  
SOUTHERN HEMISPHERE CORONAL HOLE PASSAGE.

III. EVENT PROBABILITIES 12 - 14 OCT

CLASS M 70/80/85

CLASS X 15/20/25

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCT 213

PREDICTED 12 - 14 OCT 215/220/225

90-DAY MEAN 11 OCT 183

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 OCT 15

ESTIMATED AFR/AP 11 OCT 11/10

PREDICTED AFR/AP 12 - 14 OCT 10/12 30/25 15/15

SOLTERWARN

BT