

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 279

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 06 OCT 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE 24 HOUR PERIOD.  
REGION 1335 (S18E74) PRODUCED AN M4/1B FLARE AT 1604Z ACCOMPANIED BY WEAK RADIO EMISSION, AND HAS BEEN ACTIVE WITH A BRIGHT SURGE, ENHANCED PLAGE AND BRIGHT POINTS. REGION 1335 MAY BE RETURNING REGION 1296, WHICH PRODUCED FOUR CLASS C X-RAY FLARES ON THE PREVIOUS PASSAGE. REGION 1320 (S14W19), A BETA GAMMA DELTA MAGNETIC GROUP HAS BEEN ACTIVE WITH FLUCTUATING PLAGE, ACTIVE FILAMENT AND BRIGHT POINTS TO NEAR FLARE INTENSITY.

IB. ACTIVITY SHOULD REMAIN MODERATE FOR THE NEXT PERIOD. REGIONS 1320 AND 1335 HAVE THE POTENTIAL TO PRODUCE A LARGE EVENT WITH EITHER REGION CAPABLE OF PRODUCING LARGE M-CLASS X-RAY EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN AT QUIET TO UNSETTLED LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 7 - 9 OCT

CLASS M 50/60/70

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 6 OCT 137

PREDICTED 7 - 9 OCT 140/142/146

90-DAY MEAN 6 OCT 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 5 OCT 06

ESTIMATED AFR/AP 6 OCT 05/03

PREDICTED AFR/AP 7 - 9 OCT 10/08 - 10/08 - 10/08

SOLTERWARN

BT

SDF NUMBER 279

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 06 OCTOBER 1979

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS. THREE  
M-CLASS FLARES OCCURRED. REGION 2030 (N26E27) PRODUCED TWO OF THESE:  
AN M1/1B WITH MAXIMUM AT 0336 UT AND ANOTHER M1/1B WITH MAXIMUM AT  
0630 UT. HIGH C-CLASS X-RAY BACKGROUND LEVELS WERE  
EXPERIENCED BETWEEN 0000 - 0800 UT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE. REGIONS 2030 AND  
2032 CONTINUE TO HAVE THE GREATEST FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD CONDITIONS VARIED BETWEEN ACTIVE TO MINOR  
STORM LEVELS. THE FIELD IS EXPECTED TO DECREASE TO UNSETTLED DURING  
THE NEXT 72 HOURS.

III. EVENT PROBABILITIES. 07 OCTOBER - 09 OCTOBER

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 10/15/20

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 196

PREDICTED 07 OCT - 09 OCT 198/200/202

90-DAY MEAN 06 OCT 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 OCT 04

ESTIMATED AFR/AP 06 OCT 28/28

PREDICTED AFR/AP 07 OCT - 09 OCT 18/25 10/15 10/12

SOLTERWARN