

HRUS 3 BOU 261415

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 300A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 26 OCT 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.

REGIONS 2744 (S19W47) AND 2751 (N19W86) HAVE ACCOUNTED FOR MOST OF THE ACTIVITY, BUT NO MORE THAN C-CLASS XRAY EVENTS HAVE BEEN OBSERVED. THESE TWO REGIONS HAVE DECLINED IN SPOT AREA AND COMPLEXITY, BUT THE POTENTIAL FOR M AND X CLASS EVENTS IS STILL STRONG. NEW REGIONS 2760 (S12E25) AND 2761 (S04E40) HAVE SHOWN IMPRESSIVE DEVELOPMENT DURING THE PAST 12 HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS. ACTIVE LEVELS ARE FORECAST TO CONTINUE, BASED ON THE EFFECTS OF A 23 OCT DISAPPEARING FILAMENT HITTING ON 27 OCT, AND THE EFFECTS OF THE 25 OCT X3 FLARE ARRIVING ON 28 OCT.

III. EVENT PROBABILITIES: 27-29 OCT

CLASS M 80/60/60

CLASS X 20/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 25 OCT 185

ESTIMATED 26 OCT 183

PREDICTED 27 - 29 OCT 180/175/175

90 DAY MEAN 25 OCT 184

V. GEOMAGNETIC INDICES

OBSERVED AFR 24 OCT 14 AP 25 OCT 20

ESTIMATED AFR 25 OCT 17 AFR/AP 26 OCT 14/17

PREDICTED AFR/AP 27-29 OCT 18/20 18/20 10/12

SOLTERWARN

BT

HFUS 1 BOU 2622 00

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 3008

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200UT 26 OCT 1980

I A. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS.
NO OPTICAL REPORT HAS BEEN RECEIVED FOR THE LARGEST X-RAY BURST,
A C8 WITH MAX AT 1406Z. OTHER ACTIVITY HAS BEEN CONFINED TO
LOW LEVEL CLASS C SUBFLARES.

B. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THE
FIELD IS EXPECTED TO BE GENERALLY ACTIVE 27-28 OCTOBER AND
THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES: 27-29 OCT

CLASS M 80/60/60

CLASS X 20/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 26 OCT 185

PREDICTED 27-29 OCT 180/175/175

90 DAY MEAN 26 OCT 184

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 25 OCT 19/20

ESTIMATED AFR/AP 26 OCT 14/14

PREDICTED AFR/AP 27-29 OCT 18/20 18/20 20/12

SOLTERWARN

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