

HFUS 3 BOU 130430  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 286A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 13 OCTOBER 1977  
IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. SUB FAINT  
FLARES AT 12/2206Z AND 13/0115Z WERE REPORTED FROM REGION 908  
(N05W15). CULGOORA REPORTS THAT THE PLAGE OF REGION 914 (N24E80  
OLD REGION 891) HAS BEEN ENHANCED TO FLARE INTENSITY FOR LONG  
PERIODS OF TIME. IT IS FELT THAT A DOUBLE DELTA IS PRESENT IN  
REGION 908 AND THAT SIGNIFICANT GROWTH/RESTRUCTURING IS TAKING  
PLACE.  
IB. SOLAR ACTIVITY SHOULD BE MODERATE.  
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET SINCE OUR 12/2200Z REPORT.  
DISTURBED CONDITIONS ARE EXPECTED DURING LOCAL NIGHTTIME.  
III. EVENT PROBABILITIES 13 OCTOBER - 15 OCTOBER  
CLASS M 70/70/70  
CLASS X 30/30/30  
PROTON 40/40/40  
PCAF YELLOW  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 12 OCTOBER 101  
PREDICTED 13-15 OCTOBER 101/102/102  
90-DAY MEAN 12 OCTOBER 91  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 11 OCTOBER 10  
ESTIMATED AFR/AP 12 OCTOBER 28/33  
PREDICTED AFR/AP 13-15 OCTOBER 15/15 - 20/20 - 20/20  
SOLTERWARN  
BT

HFUS 3 BOU 131500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 286-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 13 OCT 1977

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 8 HOURS. THE  
VISIBLE DISK REGIONS HAVE SHOWN LITTLE CHANGE AND ACTIVITY HAS BEEN  
LIMITED TO PLAGE FLUCTUATIONS.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE REMAINDER OF  
THIS FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. UNSETTLED  
CONDITIONS DURING DAYLIGHT HOURS WITH ACTIVE CONDITIONS IN NIGHTTIME  
SECTORS ARE EXPECTED FOR THE NEXT 36 TO 48 HOURS.

III. EVENT PROBABILITIES 13 - 15 OCT

CLASS M 70/70/70

CLASS X 30/30/30

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 OCT 101

PREDICTED 13 - 15 OCT 101/102/102

90-DAY MEAN 12 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 OCT 10

ESTIMATED AFR/AP 12 OCT 28/33

PREDICTED AFR/AP 13 - 15 OCT 15/15 - 20/20 - 20/20

SOLTERWARN

BT

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 286

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 13 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN LOW TO VERY LOW DURING THE PAST 24 HOURS. REGION 908 (N07W25) PRODUCED SEVERAL C CLASS X-RAY BURSTS, THE LARGEST BEING A C-7 AT 131711 U.T. OPTICAL INDICATIONS ARE THAT THIS REGION IS ONCE AGAIN SLOWLY DECLINING. REGION 912 (N30W19) PRODUCED A SMALL C CLASS X-RAY BURST AT 131847 U.T. BUT OTHERWISE THE REMAINDER OF THE DISK REGIONS ARE QUIET.

IB. SOLAR ACTIVITY WILL BE AT A GENERALLY LOW LEVEL FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE EARLIER TODAY BUT IS BASICALLY QUIET AT THE PRESENT TIME. UNSETTLED TO ACTIVE CONDITIONS SHOULD DOMINATE THE NEXT 24-36 HOURS.

III. EVENT PROBABILITIES 14-16 OCT

CLASS M 70/60/50

CLASS X 10/10/05

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 099

PREDICTED 14-16 OCT 099/098/097

90-DAY MEAN 13 OCT 091

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 23

ESTIMATED AFR/AP 13 OCT 15/17

PREDICTED AFR/AP 14-16 OCT 14/14 - 20/20 - 20/25

SOLTERWARN

BT