

HFUS3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 315

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100  
TO 10/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. REGION 4592  
(N16E03) PRODUCED TWO CLASS M FLARES THIS PERIOD. THE FIRST  
EVENT OCCURRED AT 0437Z AND WAS AN M2/1B. THE SECOND ONE  
OCCURRED AT 2010Z AND WAS AN M3/1B FLARE. BOTH OF THESE EVENTS  
HAD ASSOCIATED TYPE II RADIO BURSTS. THE FIRST EVENT ALSO HAD A  
TYPE IV RADIO BURST. AND THE SECOND EVENT HAS INCOMPLETE BURST  
DATA, SO AN ASSOCIATED TYPE IV BURST CAN NOT BE CONCLUDED TO  
HAVE ACCOMPANIED THAT EVENT AT THIS TIME. REGION 4592 HAS A  
D-TYPE SPOT GROUP WHICH HAS DOUBLED IN AREA AND SPOT NUMBER  
SINCE THE LAST REPORT. IT STILL HAS A BETA MAGNETIC  
CONFIGURATION. THERE WAS ONE NEW REGION NUMBERED TODAY AS  
REGION 4594 (S15E17). THIS REGION HAS A SIMPLE A-TYPE SPOT  
GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
LOW TO MODERATE. REGION 4592 REMAINS THE OBVIOUS REGION TO  
WATCH.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE ACTIVE ON THE FIRST TWO DAYS OF THE FORECAST  
PERIOD WITH INTERMITTENT PERIODS OF MINOR STORM POSSIBLE. ON  
THE 13TH OF NOVEMBER ACTIVE TO MINOR STORM LEVELS ARE FORECAST  
BASED ON THE FLARE ACTIVITY THAT HAS COME OUT OF REGION 4592.

III. EVENT PROBABILITIES 11 NOV-13 NOV

CLASS M 40/20/15

CLASS X 05/01/01

PROTON 05/01/01

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 NOV 077

PREDICTED 11 NOV-13 NOV 080/080/079

90 DAY MEAN 10 NOV 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 NOV 012/011

ESTIMATED AFR/AP 10 NOV 013/014

PREDICTED AFR/AP 11 NOV-13 NOV 019/020-019/020-030/035

SOLTERWARN

BT