

HFUS 3 BOU 162200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 107

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 16 APR 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100  
TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY A FEW X-RAY  
BURSTS HAVE OCCURRED AND THESE HAVE BEEN BELOW THE CLASS C  
LEVEL. REGION 4468 (N09W07) STILL RETAINS ITS MAGNETIC  
ANOMOLIES WITH LITTLE STRUCTURAL CHANGE. THIS REGION HAS BEEN  
STABLE WITH THE LAST REPORTED SUBFLARE HAPPENING 39 HOURS AGO.  
THE FEW REPORTED SUBFLARES HAVE ALL OCCURRED IN REGION 4469  
(S16E52). A LEAD POLARITY SPOT HAS EMERGED IN THE TRAILER  
STRUCTURE MAKING THE MAGNETIC CONFIGURATION FOR REGION 4469 A  
BETA GAMMA. REGION 4470 (S21W19) HAS ALREADY BEGUN A SLIGHT  
DECAY. REGION 4471 (N04W19) HAS EMERGED WEAKLY TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO  
TRANSIT FROM UNSETTLED TO ACTIVE LEVELS DURING THE FIRST HALF  
OF THE FORECAST PERIOD AND THEN REMAIN ACTIVE THROUGH THE END  
OF THE PERIOD.

III. EVENT PROBABILITIES 17 APR-19 APR

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	16 APR	116
PREDICTED	17 APR-19 APR	115/113/112
90 DAY MEAN	16 APR	130

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP 15 APR	011/012
ESTIMATED	AFR/AP 16 APR	007/010
PREDICTED	AFR/AP 17 APR-19 APR	010/015-015/025-015/020

SOLTERWARN  
BT