

HFUS-1 BOU 071300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 1884

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
06/1200Z TO 07/1200Z:

SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. AGAIN, OPTICAL  
OBSERVATIONS HAVE BEEN HAMPERED BY WEATHER. AN X-RAY BURST  
BEGINNING AT 0220Z REACHED A MAXIMUM OF M1 AT 0252Z. SOURCE  
IS UNKNOWN. ALL OTHER X-RAY BURSTS WERE LOW LEVEL CLASS C.  
REGION 3180 (S16W81) IS APPROACHING WEST LIMB. ALL OTHER  
REGIONS ARE SMALL AND SIMPLE IN STRUCTURE.

I B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

I I. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE.  
THE FIELD IS EXPECTED TO BE UNSETLED BUT BECOMING ACTIVE ON  
09 JULY DUE TO A LARGE CORONAL HOLE.

III. EVENT PROBABILITIES: 08-10 JUL

CLASS M 15/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 06 JUL 144

ESTIMATED 07 JUL 140

PREDICTED 08-10 JUL 135/130/130

90 DAY MEAN 06 JUL 187

V. GEOMAGNETIC A INDICES

OBSERVED AFR 05 JUL 13 AP 06 JUL 21

ESTIMATED AFR 06 JUL 15 AFR/AP 07 JUL 14/15

PREDICTED AFR/AP 08-10 JUL 12/15 15/15 20/20

SOLARFLARE WARN

PT

HFUS 3 BOU 072200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO  
SDF NUMBER 1888

JOINT USAF/NASA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 07 JULY 1981

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/1200Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE FORECAST PERIOD. A C6, NO OPTICAL CORRELATION, OCCURRED AT 1333Z, WITH ONLY A MINOR RADIO BURST OF 44 SOLAR FLUX UNITS AT 606 MHZ. THE ONLY OPTICAL EVENT REPORTED DURING THIS TIME PERIOD WAS A SN, NO X-RAY, FROM REGION 3186 (S03W67) AT 1933Z. NEW REGIONS TODAY ARE 3197 (S20W19), 3198 (N09E03), 3199 (S07E23), 3200 (N21E74), 3201 (N18W21) AND 3202 (S08E71). A SMALL ARCH FILAMENT SYSTEM, ALONG WITH POINT BRIGHTENINGS, HAS BEEN REPORTED IN REGION 3202.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT OR NEAR ACTIVE LEVELS DURING THIS PERIOD. THE FIELD IS EXPECTED TO BE LITTLE CHANGED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 JULY - 10 JULY

CLASS M 15/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JULY 145

PREDICTED 08-10 JULY 140/135/130

90-DAY MEAN 07 JULY 186

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 06 JULY 17/21

ESTIMATED AFR/AP 07 JULY 14/15

PREDICTED AFR/AP 08-10 JULY 12/15 - 15/15 - 20/20

SOLARFLARE WARN

BT