

HFUS-1 EOU 161300  
FROM SPACE-ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDE NUMBER 167A

JOINT USAF/NCAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200UT 16 JUNE 1981

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
15/1200UT TO 16/1200UT:

SOLAR ACTIVITY REMAINS LOW. THE MOST SIGNIFICANT EVENT WAS A  
CS/1B AT 16/0742Z IN REGION 3157 (S25W32). THIS REGION HAS A  
WELL DEFINED ISOLATED POLE IN THE LEADING POLARITY STRUCTURE.  
REGIONS 3162 (N07E19) AND 3161 (S21F24) HAVE BOTH CROWN.  
REGION 3161 HAS THE MORE CONTRACTED NEUTRAL LINE AND STRONG  
ARCH FILAMENTS. INDICATE CONTINUED GROWTH FOR THIS REGION.

I.B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW BUT WITH INCREASING  
CHANCE OF STRONGER X-RAY BURSTS.

I.I. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE.  
THESE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 18 JUNE.

I.II. EVENT PROBABILITIES: 17 - 19 JUN

CLASS M 20/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 15 JUN 160

ESTIMATED 16 JUN 162

PREDICTED 17-19 JUN 164/166/166

90 DAY MEAN 15 JUN 196

V. GEOMAGNETIC INDICES

OBSERVED AAF 14 JUN 05 AP 15 JUN 14

ESTIMATED AAF 15 JUN 14 AFR/AP 16 JUN 14/14

PREDICTED AAF/AP 17-19 JUN 14/15 12/15 10/10

SOLARFLARE

PT

HFUS 3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 167B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200 UT 16 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/1200 UT TO 16/2200 UT: SOLAR ACTIVITY CONTINUES LOW. REGION 3157 (S24W42) WHICH NOW HAS A WEAK DELTA MAGNETIC CONFIGURATION PRODUCED TWO SUBFAINT FLARES WHILE THE REST OF THE DISK REMAINED QUIET. THE CONFUSION WHICH EXISTED CONCERNING REGIONS 3163 AND 3165 HAS BEEN RESOLVED BY ELIMINATING NUMBER 3163.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. INCREASED COMPLEXITY IN REGION 3157 COULD RESULT IN MORE FREQUENT SUBFLARE ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND NO SIGNIFICANT CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 17 JUNE - 19 JUNE

CLASS M 20/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUNE 164

PREDICTED 17-19 JUNE 164/166/166

90-DAY MEAN 16 JUNE 196

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUNE 16/14

ESTIMATED AFR/AP 16 JUNE 13/18

PREDICTED AFR/AP 17-19 JUNE 14/15 - 12/15 - 10/10

SOLTERWARN

BT