

HFUS 1 BOU 310450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 212A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 31 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.  
REGION 617 (N03E70) HAS PRODUCED THREE NON ENERGETIC SUBFLARES  
AND REGION 615 (N09W71) HAS HAD ONE SMALL SUBFLARE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. REGION  
617 WILL CONTINUE TO PRODUCE A FEW NON ENERGETIC SUBFLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE  
QUIET TO SLIGHTLY UNSETTLED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 31 JULY - 02 AUGUST

CLASS M. 03/03/03

CLASS X. 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JULY 77

PREDICTED 31 JULY - 02 AUGUST 75/74/73

90-DAY MEAN 30 JULY 72

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JULY 03

ESTIMATED AFR/AP 30 JULY 06/07

PREDICTED AFR/AP 31 JULY - 02 AUGUST 07/07 - 07/07 - 10/11

SOLTERWARN

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HFUS 1 BOU 311430  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 212B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 31 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 18 HOURS. REPEATED  
SUB-ENERGETIC X-RAY BURSTS HAVE OCCURRED SINCE 31/0400Z WITH  
CLASS C-1 EVENTS OCCURRING AT 1136Z AND 1254Z. REGION 617 IS  
BEING RECLASSIFIED AS TWO SUNSPOT GROUPS. THE LARGE H-TYPE SUN  
SPOT (PRESUMABLY OLD REGION 606) WILL BE REGION 617 (N03E65).  
THE SUNSPOT GROUP TO THE NW OF 617 WILL BE REGION 618 (N05E60).  
REGION 1617 IS PRACTICALLY DEVOID OF PLAGE. BOTH THE PLAGE  
AND SUNSPOT STRUCTURE HAVE DEVELOPED NICELY IN REGION 618 WITH  
GROWTH CONTINUING. TWO NON-ENERGETIC FLARES HAVE OCCURRED IN  
REGION 615 (N09W77).

IB. CLASS C EVENTS ARE EXPECTED FROM REGION 168 WITH A CLASS M  
EVENT POSSIBLE WITH CONTINUED STRONG GROWTH.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY  
UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 36 HOURS WITH A  
GRADUAL TRANSITION TO UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 31 JULY - 02 AUG

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JULY 77

PREDICTED 31 JULY - 02 AUG 78/80/82

90-DAY MEAN 30 JULY 72

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JULY 03

ESTIMATED AFR/AP 30 JULY 06/07

PREDICTED AFR/AP 31 JULY - 02 AUG 07/07 - 07/07 - 10/11

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GEOALERT WWA212 310300

91230 10431 20770 30060 49950

44708 00000 46909 01000 17303 00000

80631 77773 44708 QUIET 46909 QUIET

17303 ERUPTIVE

SOLQUIET MAGQUIET

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2200Z  
FCST  
FOR JUL

HFUS 1 BOU 312200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 212  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN LOW. SEVERAL CLASS C1 X-RAY EVENTS  
HAVE OCCURRED WITH SUBFLARES IN REGIONS 615 (N08W84) AND 618  
(N05E60). THE LARGEST EVENT WAS A C3 ASSOCIATED WITH A  
SUBFLARE IN REGION 618. CONSIDERABLE GROWTH HAS OCCURRED IN  
REGION 618 DURING THE PAST 24 HOURS. REGION 617 (N03E61) IS  
BELIEVED TO BE THE REMNANTS OF OLD REGION 606. THE NEUTRAL  
LINE FOR THE COMBINED REGIONS IS CONTOURED.

IB. CONTINUED GROWTH IS EXPECTED IN REGION 618. SEVERAL CLASS  
C EVENTS PER DAY ARE EXPECTED WITH A FAIR CHANCE FOR A CLASS  
M EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED  
TO BE QUIET TO SLIGHTLY UNSETTLED FOR ABOUT 24 HOURS.

IT IS THEN EXPECTED TO BE UNSETTLED, BECOMING SLIGHTLY ACTIVE  
THE LATTER PORTION OF THE FORECAST PERIOD WITH THE EXPECTED  
RETURN OF A RECURRENT STRUCTURE.

III. EVENT PROBABILITIES 01 AUG-03 AUG  
CLASS M 15/25/25  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 31 JUL 82  
PREDICTED 01-03 AUG 83/85/86  
90-DAY MEAN 31 JUL 72

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 30 JUL 03  
ESTIMATED AFR/AP 31 JUL 04/04  
PREDICTED AFR/AP 01-03 AUG 07/07 - 10/11 - 13/15  
SOLTERWARN  
BT