

HFUS 3 BOU 020445  
C O R R E C T E D C O P Y  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 153A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 02 JUNE 1977  
IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. A C-1 X-RAY EVENT  
BEGAN AT 02/0121Z AND A C-6 X-RAY EVENT BEGAN AT 02/0423Z WITH NO  
OPTICAL FLARES BEING REPORTED, HOWEVER, ACTIVITY ON THE EAST LIMB  
NEAR S24 APPEARS TO BE A LIKELY SOURCE. PLAGE, BUT NO SPOTS, HAS  
ROTATED ONTO THE DISK AT THIS LOCATION. THE THREE DISK REGIONS NOW  
APPEAR STABLE OR DECLINING.  
IB. THE REGION ROTATING ONTO THE DISK AT SE24 MAY BE THE SOURCE OF  
MINOR ACTIVITY. CLASS C EVENTS ARE EXPECTED.  
II. THE GEOMAGNETIC FIELD WAS ACTIVE AT BOULDER BETWEEN 02/0100Z  
AND 0200Z. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT  
24 HOURS.  
III. EVENT PROBABILITIES 02 JUNE - 04 JUNE  
CLASS M 10/10/10  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 01 JUNE 86  
PREDICTED 02-04 JUNE 89/89/89  
90-DAY MEAN 01 JUNE 78  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 31 MAY 09  
ESTIMATED AFR/AP 01 JUNE 08/07  
PREDICTED AFR/AP 02-04 JUNE 12/12 - 08/10 - 05/07  
SOLTERWARN  
BT

HFUS 3 BOU 021500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 153-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 02 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. HOWEVER, REGION 810 (S24E82) WHICH IS ROTATING ON TO THE DISK IS MODERATELY BRIGHT WITH NEAR CONTINUOUS SURGES. A C-6 AND C-4 X-RAY EVENT BEGAN AT 02/0423Z AND 02/0803Z RESPECTIVELY. MINOR CENTIMETRIC BURSTS ACCOMPANIED BOTH X-RAY EVENTS. NO OPTICAL FLARES WERE REPORTED, HOWEVER, REGION 830 IS THE LIKELY SOURCE. A PROMINENCE DISRUPTION WAS OBSERVED IN PROGRESS 02/1250Z AS A SPRAY - LIKE STRUCTURE ABOUT 10 DEGREES SOUTH OF REGION 830. BY 1300Z THE STRUCTURE ARCHED 10 DEGREES SOUTHWARD AND BY 1315Z EXTENDED 0.3 R ABOVE THE LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH A K-4 SUBSTORM AT BOULDER 02/0100-0200Z. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 02 JUNE - 04 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 86

PREDICTED 02-04 JUNE 89/89/89

90-DAY MEAN 01 JUNE 78

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAY 09

ESTIMATED AFR/AP 01 JUNE 08/07

PREDICTED AFR/AP 02-04 JUNE 12/12 - 08/10 - 05/07

SOLTERWARN

BT

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 153

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 02 JUNE 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW TO LOW. FIVE CLASS C X-RAY  
EVENTS HAVE OCCURRED THIS DAY, HOWEVER NO OPTICAL FLARES HAVE YET  
BEEN REPORTED. THE LARGEST EVENT WAS A C-6 AT 02/0423Z. REGION  
830 (S26E76) HAS HAD NUMEROUS SURGES AND BRIGHTENINGS AND IS  
THE PRESUMED SOURCE OF THE X-RAY EVENTS. REGION 828 (N21W63) HAS  
DECAYED SLIGHTLY IN SPOT STRUCTURE AND REGIONS 827 (S22W61) AND  
829 (N20320) HAVE GROWN SLIGHTLY IN SPOT STRUCTURE. A PROMINENCE  
DISRUPTED NEAR SE35 FROM 02/1250 TO 1325Z ATTAINING A HEIGHT  
OF ABOUT 0.25R ABOVE THE LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. CLASS C X-RAY EVENTS ARE  
EXPECTED WITH 1-3 M EVENTS POSSIBLE WITH CONTINUED GROWTH OF REGION  
830.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THESE  
CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 06-18 HOURS WITH  
THE FIELD THEN BECOMING QUIET TO UNSETTLED.

III. EVENT PROBABILITIES 03-05 JUN

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUN 89

PREDICTED 03-05 JUN 89/88/88

90-DAY MEAN 02 JUN 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JUN 11

ESTIMATED AFR/AP 02 JUN 14/21

PREDICTED AFR/AP 03-05 JUN 11/15 - 06/08 - 06/07

SOLTERWARN