

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 ACCCOMPANIED 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 UNSETLED WITH A K-4 SUBSTORM AT BOULDER 02/0100-0200Z. GENERALLY UNSETLED 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 UNSETLED TO ACTIVE. THESE CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 06-18 HOURS WITH THE FIELD THEN BECOMING QUIET TO UNSETLED.

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	