

HFUS 1 BOU 130530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 044A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 13 FEBRUARY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 8 HOURS. LITTLE
CHANGE HAS BEEN NOTED IN REGIONS 782 (S41W14) AND 786 (N16W47).

REGION 785 (N03E15) APPEARS TO BE CONTINUING ITS DEVELOPMENT.

NEW REGION 787 (N24E05) HAS APPEARED WITH TWO SPOTS IN AN A-TYPE
GROUP. THE REGION APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE NEXT 24 HOURS.

OCCASIONAL C-CLASS EVENTS ARE EXPECTED FROM REGIONS 782 AND 785.

AN M-CLASS EVENT FROM REGION 782 IS POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. QUIET
TO UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 13 FEBRUARY - 15 FEBRUARY

CLASS M 25/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 FEBRUARY 90

PREDICTED 13-15 FEBRUARY 90/91/92

90-DAY MEAN 12 FEBRUARY 78

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 FEBRUARY 12

ESTIMATED AFR/AP 12 FEBRUARY 08/04

PREDICTED AFR/AP 13-15 FEBRUARY 10/10 - 10/15 - 08/12

SOLTERWARN

BT

HFUS 1 BOU 131500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 044B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 13 FEBRUARY 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 17 HOURS,
WITH NO FLARES REPORTED. REGION 782 (S41W19) MAY HAVE BEGUN
TO DECLINE. SEVERAL NEW REGIONS ARE GROWING SLOWLY; HOWEVER,
ALL REGIONS ARE PRESENTLY QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE NEXT 24
HOURS. A FEW ISOLATED C-CLASS SUBFLARES MAY BE OBSERVED. THERE
IS SOME POSSIBILITY THAT REGION 782 WILL PRODUCE AN M-CLASS EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE TO QUIET DURING
THE PAST 17 HOURS. THE FIELD IS PRESENTLY QUIET AND IS EXPECTED
TO BE GENERALLY MILDLY UNSETTLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 13-15 FEB

CLASS M 25/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTATA 10.7 FM FLUX

OBSERVED 12 FEB 90

PREDICTED 13-15 FEB 92/94/95

90-DAY MEAN 12 FEB 78

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 FEB 12

ESTIMATED AFR/AP 12 FEB 08/04

PREDICTED AFR/AP 13-15 FEB 10/10 - 10/15 - 08/12

SOLTERWARN

BT

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 044

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 13 FEBRUARY 1977

IA. SOLAR ACTIVITY WAS ESSENTIALLY LOW DURING THE PAST 24 HOURS.
SMALL C-CLASS BURSTS WERE NOTED AT 13/1147Z AND 13/1332Z WITHOUT
OPTICAL REPORTS. THEN A FLARE (OPTICAL SN) WAS NOTED IN REGION 782
(S41W21) WITH A MAXIMUM AT 13/1714Z. X-RAY LEVELS BEGAN RISING
SLOWLY AND ONLY REACHED MAXIMUM BETWEEN 13/1739Z AND 1741Z AT C9
LEVEL. A COUPLE OF OBSERVATORIES REPORTED A LOOP-LIKE PROMINENCE
CONTAINING A BRIGHT KNOT LIFTING OFF AT (SE20) ABOUT 13/1728Z.
IN AS MUCH AS THE X-RAY TRACE LOOKS LIKE A LIMB EVENT, IT MUST BE
ASSUMED THAT A MODERATELY ENERGETIC FLARE OCCURRED OUT OF SIGHT
OVER THE SE LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE GENERALLY LOW WITH A
COUPLE OF SMALL C-CLASS FLARES OBSERVED EACH DAY FROM THE REGIONS
ON THE DISK. THERE IS SOME CHANCE OF A SMALL M-CLASS FLARE FROM
REGION 782.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO BE SOMEWHAT UNSETTLED DURING THE NEXT
72 HOURS, TRENDING TOWARD QUIET CONDITIONS.

III. EVENT PROBABILITIES 14 FEBRUARY - 16 FEBRUARY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 FEBRUARY 91

PREDICTED 14-16 FEBRUARY 93/94/96

90-DAY MEAN 13 FEBRUARY 78

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 FEBRUARY 08

ESTIMATED AFR/AP 13 FEBRUARY 10/08

PREDICTED AFR/AP 14-16 FEBRUARY 12/15 - 10/12 - 07/08

SOLTERWARN

BT