

HFUS I BOU 060550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 037A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 06 FEBRUARY 1975

IA. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS AS
AR564 DEVELOPED. MANILA REPORTS LEADER SPOTS HAVE PENUMBRA AND
MT WILSON INDICATED ONE OF LEADER SPOTS HAD FOLLOWER POLARITY.

IB. SOLAR ACTIVITY SHOULD BE NEAR MODERATE LEVELS FOR SEVERAL
DAYS AS AR 564 (N03E45 AT 06/0600Z) DEVELOPS. AT LEAST ONE
CLASS M EVENT AND SEVERAL CLASS C EVENTS ARE EXPECTED DURING
THE NEXT 48 HOURS.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED, HOWEVER QUIET CONDITIONS
ARE EXPECTED FOR NEXT 3 DAYS.

III. EVENT PROBABILITIES 06 FEB - 08 FEB

CLASS M 45/50/40

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 FEB 79

PREDICTED 06 FEB - 08 FEB 82/84/85

90-DAY MEAN 05 FEB 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 FEB 09

ESTIMATED AFR/AP 05 FEB 14/18

PREDICTED AFR/AP 06 FEB - 08 FEB 05/06 - 04/05 - 04/05

SOLTERWARN

BT

HFUS 14BOU 061430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 037B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 06 FEB 1975

IA. SOLAR ACTIVITY HAS INCREASED DURING THE LAST 24 HOURS.
REGION 564 (N02E41) HAS SHOWN CONSIDERABLE GROWTH IN BOTH WHITE
LIGHT AND H ALPHA. THIS REGION NOW CONTAINS A D TYPE SPOT GROUP
WITH A KINKED E-W NEUTRAL LINE AND MAY BE DEVELOPING A COMPLEX
MAGNETIC STRUCTURE. REGION 564 PRODUCED 7 FLARES DURING THE
LAST 24 HOURS, THE LARGEST OF WHICH WERE A 1B, X-RAY CLASS
C2 (GOES) FLARE AT 05/1803Z AND A 0B, X-RAY CLASS C4 (GOES) FLARE
AT 05/1915Z. AT THE PRESENT TIME, THE 1-8 ANGSTROM X-RAY LEVELS
HAVE APPARENTLY DECREASED, SUGGESTING THAT GROWTH MAY HAVE SLOWED
IN THIS REGION.

IB. SOLAR ACTIVITY MAY INCREASE TO MODERATE LEVELS WITH A GOOD
CHANCE OF A CLASS M FLARE FROM REGION 564. HOWEVER, IF LATER
OBSERVATIONS INDICATE THAT THIS REGION HAS REACHED ITS PEAK
DEVELOPEMENT, LATER FORECASTS WILL INDICATE A LOWER PROBABILITY
OF ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED DURING THE
LAST 24 HOURS, BUT QUIET CONDITIONS ARE EXPECTED TO DEVELOPE
DURING THE NEXT 12 HOURS AND CONTINUE THROUGH THE REST OF
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 - 08 FEB

CLASS M 45/50/40

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 FEB 79

PREDICTED 06 - 08 FEB 82/84/85

90-DAY MEAN 05 FEB 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 FEB 09

ESTIMATED AFR/AP 05 FEB 16/18

PREDICTED AFR/AP 06 - 08 FEB 07/08 - 04/05 - 04/05

SOLTERWARN

BT

HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 037

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 FEB 1975

IA. SOLAR ACTIVITY CONTINUES VERY LOW, ALTHOUGH REGION
564 (N04E36) HAS PRODUCED AT LEAST 5 SUBFLARES DURING THE LAST
24 HOURS. THIS REGION CONTAINS A D TYPE SPOT GROUP WITH A
BETA GAMMA MAGNETIC CLASSIFICATION. THIS REGION ALSO CONTAINS
A BRIGHT PLAGE, WHICH SHOWS FREQUENT FLUCTUATIONS TO NEAR FLARE
INTENSITY, AND AN ACTIVE NEUTRAL LINE FILAMENT. THE 1-8 ANGSTROM
X RAY LEVEL HAS BEEN ENHANCED AND FLUCTUATING ALL DAY, BUT
REMAINS BELOW CLASS C LEVELS.

IB. REGION 564 SHOWS SUFFICIENT COMPLEXITY TO PRODUCE ONE OR
TWO SMALL CLASS M EVENTS DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST
24 HOURS. QUIET CONDITIONS ARE EXPECTED DURING THE FIRST PORTION
OF THE FORECAST PERIOD, BUT A RECURRENT DISTURBANCE IS EXPECTED
TO BEGIN LATE ON 08 FEB OR EARLY 09 FEB, RESULTING IN ACTIVE
CONDITIONS BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 07 - 09 FEB

CLASS M 50/40/40

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 FEB 83

PREDICTED 07 - 09 FEB 84/85/85

90-DAY MEAN 06 FEB 82

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 FEB 16

ESTIMATED AFR/AP 06 FEB 08/09

PREDICTED AFR/AP 07 - 09 FEB 04/05 - 08/10 - 15/19

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