

HFUS 1 BOU 090530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 068A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 MARCH 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A SF/C3 EVENT AT 08/2219Z
OCCURRED IN REGION 792 (N21W07). A C2 XRAY EVENT OCCURRED AT 0505Z.
A NEW REGION IS REPORTED AT S30E85.

IB. ACTIVITY WILL INCREASE SLIGHTLY AS GROWTH CONTINUES IN
REGION 792.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED THE PAST 8 HOURS.
UNSETLED TO SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED DURING THIS
FORECAST PERIOD AS THE EARTH BECOMES ALIGNED WITH EXTENSIVE OPEN
SOLAR MAGNETIC FIELDS IN THE SUN'S SOUTHERN HEMISPHERE.

III. EVENT PROBABILITIES 09 MARCH - 11 MARCH

CLASS M 15/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MARCH 83

PREDICTED 09-11 MARCH 85/86/86

90-DAY MEAN 08 MARCH 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MARCH 03

ESTIMATED AFR/AP 08 MARCH 10/09

PREDICTED AFR/AP 09-11 MARCH 10/10 - 15/15 - 15/15

SOLTERWARN

BT

HFUS 1 BOU 091500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 068-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 09 MAR 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 12 HOURS.
SUBFLARES OF CLASS C INTENSITY OCCURRED AT 0505Z AND 0708Z FROM
REGION 792 (N21W13). THE GROWTH HAS CEASED IN THE SPOTGROUP WHICH
REMAINS A SMALL TYPE D. A NEW REGION AT S30E78 IS SMALL AND
SPOTLESS.

IB. ACTIVITY WILL CONTINUE VERY LOW WITH ONE OR TWO ADDITIONAL
CLASS C EVENTS FROM REGION 792.

II. A MINOR MAGNETIC STORM IS IN PROGRESS. THE SUN-EARTH CON-
NECTION LONGITUDE COINCIDES WITH EXTENSIVE OPEN MAGNETIC FIELDS AT
HIGH SOUTHERN SOLAR LATITUDES. NO SIGNIFICANT CHANGE IN GEOMAGNETIC
ACTIVITY IS EXPECTED DURING THIS FORECAST PERIOD DUE TO THE LARGE
EXTENT OF THIS SOURCE OF HIGH-SPEED SOLAR WIND. CONDITIONS WILL
REMAIN ACTIVE DURING NIGHTTIME AND ACTIVE TO UNSETLED DURING
DAYTIME.

III. EVENT PROBABILITIES 09 - 11 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 83

PREDICTED 09 - 11 MAR 82/82/82

90-DAY MEAN 08 MAR 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 MAR 03

ESTIMATED AFR/AP 08 MAR 10/10

PREDICTED AFR/AP 09 - 11 MAR 30/30 - 20/20 - 20/20

SOLTERWARN

BT

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HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 068

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 09 MAR 1977

IA. SOLAR ACTIVITY IS VERY LOW. CLASS C SUBFLARES WERE RECORDED AT 0505Z, 0708Z AND 1706Z FROM REGION 792 (N20W18) WHICH HAS DECLINED IN SUNSPOT NUMBER AND AREA. THE FLARE GEOMETRIES STILL INDICATE COUPLING BETWEEN THIS REGION AND REGION 790 (N17W15). A SMALL BRIGHT PLAGE AT S34E76 HAS HAD A SUNSPOT INTERMITTENTLY. RADIO CORONA REMAINS ENHANCED AT EAST LIMB.

IB. SOLAR ACTIVITY SHOULD REMAIN NEAR THE PRESENT LEVEL. THE SMALL REGION NEAR SE LIMB IS EXPECTED TO GROW DURING THIS FORECAST PERIOD AS REGION 792 DECLINES. ADDITIONAL NEW REGIONS MAY FORM IN LONGITUDES NOW NEAR EAST LIMB.

II. A MINOR GEOMAGNETIC STORM COMMENCED GRADUALLY TODAY WITH PEAK ACTIVITY AT ABOUT 1700-1800Z. THE CORONAL HOLE SOURCE OF SOLAR WIND MAY AFFECT EARTH FOR ANOTHER THREE DAYS.

III. EVENT PROBABILITIES 10 - 12 MAR

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAR 81

PREDICTED 10 - 12 MAR 80/79/79

90-DAY MEAN 09 MAR 79

*should have been
82/82/82*

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 MAR 09

ESTIMATED AFR/AP 09 MAR 35/35

PREDICTED AFR/AP 10 - 12 MAR 20/20 - 20/20 - 20/20

SOLTERWARN

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