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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 156A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 05 JUNE 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT HOURS, AND NO ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION 420 (N05E51) HAS SHOWN SIGNIFICANT RECENT DEVELOPMENT, BUT OTHER REGIONS HAVE REMAINED STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE REMAINDER OF THE FORECAST PERIOD. REGION 416 (S15E10), THOUGH SLOWLY DECAYING, MAY PRODUCE SPORADIC ENERGETIC ACTIVITY. REGION 417 SHOULD BE WATCHED FOR CONTINUED DEVELOPMENT.

II. THE GEOMAGNETIC FIELD REMAINED QUIET UNTIL 05/0450Z, WHEN A MODERATE MAGNETIC BAY OF ABOUT 40 GAMMAS BEGAN AT BOULDER. UNSETTLED CONDITIONS ARE LIKELY DURING THE NEXT EIGHT HOURS, FOLLOWED BY GENERALLY QUIET CONDITIONS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JUN 19

ESTIMATED AFR/AP 04 JUN 08/15

PREDICTED AFR/AP 05 JUN - 07 JUN 08/10 - 05/06 - 05/06

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HFUS 1 BOU 051400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 156B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 05 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO FLARES REPORTED IN THE
PAST 24 HOURS. REGION 420 (N07E46) NOW HAS A TYPE "D" SPOT GROUP AND
APPEARS TO BE DEVELOPING. ALL OTHER REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE
REMAINDER OF THIS PERIOD. THE DEVELOPMENT OF REGION 420 SHOULD KEEP
PROBABILITIES AT MODERATE LEVELS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED THE PAST 24
HOURS AND SHOULD REMAIN SO THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 05 JUNE - 07 JUNE

CLASS M 60/55/50

CLASS X 05/04/03

PROTON 03/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JUNE 96

PREDICTED 05 JUNE - 07 JUNE 95/94/93

90-DAY MEAN 04 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JUNE 19

ESTIMATED AFR/AP 04 JUNE 08/15

PREDICTED AFR/AP 05 JUNE - 07 JUNE 08/10 - 05/06 - 05/06

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 156

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JUNE 1974

IA. SOLAR ACTIVITY CONTINUES LOW. THE ONLY FLARE REPORTED DURING THE LAST 24 HOURS WAS A 0F FLARE AT 05/1650Z IN A SMALL SPOTLESS PLAGE AT S09W41. REGION 417 (S13W39) CONTINUES TO DECLINE AND HAS BEEN INACTIVE. REGION 416 (S14E01) HAS ALSO EXIBITED SPOT DECAY, BUT THE TRAILING PLAGE HAS BEEN ENHANCED AT TIMES, PERHAPS DUE TO AN INTERACTION WITH THE NEW, NEARBY REGION 423 (S11E07). REGION 420 (N06E41) NOW CONTAINS A D TYPE SPOT GROUP AND AN ARCH FILAMENT SYSTEM. THIS REGION CONTINUES TO GROW, BUT BECAUSE OF ITS SIMPLE BETA MAGNETIC CONFIGURATION, THE PROBABILITY OF ENERGETIC ACTIVITY FROM THIS REGION REMAINS RELATIVELY LOW. A NEW SPOT GROUP, REGION 422 (S14E25), HAS EMERGED SINCE YESTERDAY. A HOOK-SHAPED FILAMENT SOUTH OF THIS REGION HAS BECOME CONSIDERABLY DARKER DURING THE LAST 8 HOURS AND MAY ERUPT DURING THE FORECAST PERIOD.

IB. SOLAR ACTIVITY SHOULD CONTINUE GENERALLY LOW THROUGH THE FORECAST PERIOD WITH A CHANCE OF A SMALL CLASS M EVENT FROM REGIONS 416/423 OR 420.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET DURING THE LAST 24 HOURS. QUIET CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS. A SECTOR BOUNDARY OBSERVED CROSSING THE EQUATOR ON THE SUN AT W33 INDICATES A POSSIBLE SECTOR BOUNDARY PASSAGE AT THE EARTH WITH UNSETTLED GEOMAGNETIC CONDITIONS DURING THE LATTER PORTION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 - 08 JUNE

CLASS M 35/35/35

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUNE 94

PREDICTED 06 - 08 JUNE 93/91/89

90-DAY MEAN 05 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JUNE 10

ESTIMATED AFR/AP 05 JUNE 06/11

PREDICTED AFR/AP 06 - 08 JUNE 05/06 - 10/11 - 10/11

SOLTERWARN

SPAN

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