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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 26 SEPT 9172

IA. SINCE 25/2200Z, REGION 416 (S04 E05) PRODUCED ONE

SUBFLARE AT 2325Z, AND A ONE NORMAL

CLASS M3 FLARE AT 260156Z THIS LATTER

FLARE PRODUCED SHORT WAVE FADES BUT ONLY VERY MINOR

REDIO BURSTS. NEWLY DEVELOPED REION 419 (N18W54) PRODUCED

TWO NON ENERGETIC SUBFLARES.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 261235

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 SEPTEMBER 1972

IA. SIXTEEN SUBFLARES HAVE BEEN REPORTED SINCE 25/1300Z. REGION
416 (S04W03) PRODUCED A LONG LASTING ONE-NORMAL CLASS M-3 FLARE
AT 0156Z WHICH CAUSED SWF'S BUT NO SIGNIFICANT RADIO. 416 REMAINS
THE MOST IMPRESSIVE ON THE DISC. REGION 419 (N18W48) HAS SHOWN
GROWTH AND CONTAINS BRIGHT PLAGE AND ARCH-FILAMENTS.

IB. 414/416 WILL CONTINUE TO PRODUCE SUBFLARES, WITH POTENTIAL
FOR M-CLASS EVENTS. RAPID GROWTH OF REGION 419 MAY WARN OF ENERGETIC
POTENTIAL THERE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS AND
SHOULD REMAIN QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 26-28 SEPT

CLASS M 50/50/50

CLASS X 03/03/03

PROTON 02/02/03

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEPT 128

PREDICTED 26-28 SEPT 129/128/126

90-DAY MEAN 25 SEPT 121.8

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 SEPT 13

ESTIMATED 25 SEPT 07

PREDICTED 26-28 SEPT 07/07/08

SOLTERWARN

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HFUS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 26 SEPT 1972

IA. AN IMPORTANCE IN FLARE OCCURRED AT 26/0156Z IN REGION 416 /S04W06/. A DOUBLE PEAKED X-RAY BURST OF ABOUT 90 MINUTE DURATION ACCOMPANIED THE FLARE. THE FIRST PEAK AT 26/0154Z WAS CLASS M2; THE SECOND PEAK AT 26/0220Z WAS CLASS M1. WEAK TO MODERATE SHORT WAVE FADEOUTS WERE OBSERVED. RADIO EMISSION WAS MINOR. NO OTHER ENERGETIC ACTIVITY HAS BEEN OBSERVED. REGIONS 416, 412 /S14W51/, 414 /S04W13/, 419 /N17W54/, AND 420 /S07E53/ HAVE PRODUCED SUBFLARES. REGIONS 419 AND 420 APPEAR TO BE GROWING SLOWLY. REGION 416 REMAINS MAGNETICALLY COMPLEX AND ONCE AGAIN HAS A DELTA CONFIGURATION. THERE ARE ALSO SEVERAL ISOLATED POLES OF LEADING POLARITY WITHIN THE FOLLOWING PORTION OF THE REGION. OVERALL THE 414/416 COMPLEX SHOWS MINOR SPOT DECAY.

IB. SPORADIC CLASS M ACTIVITY IS LIKELY FROM THE 414/416 COMPLEX. NO REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 28 SEPTEMBER. MILDLY UNSETTLED CONDITIONS ARE EXPECTED ON 29 SEPTEMBER.

III. EVENT PROBABILITIES 27-29 SEPT

CLASS M 50/50/50

CLASS X 03/03/03

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 1).7CM FLUX

OBSERVED 26 SEPT 127

PREDICTED 27-29 SEPT 126/123/120

90-DAY MEAN 26 SEPT 121.9

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 SEPT 05

ESTIMATED 26 SEPT 06

PREDICTED 27-29 SEPT 06/07/10

SOLTERWARN

SPAN

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