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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 265A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 21 SEPTEMBER 1972

IA. NO SIGNIFICANT ACTIVITY

IB. NO CHANGE

II. NO CHANGE

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 211255

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 265B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 SEPT 1972

IA. SOLAR ACTIVITY REMAINS LOW WITH A DOZEN SUBFLARES OBSERVED
DURING THE PAST 24 HOURS, MOSTLY FROM REGION 416 (S06E72)

IB. REGION 416 LOOKS INCREASINGLY COMPLEX AS IT MOVES MORE FULLY
INTO VIEW. BOTH THIS REGION AND REGION 412 (S15E23) MUST BE
CONSIDERED CAPABLE OF PRODUCING MODERATELY ENERGETIC FLARES AT
ANY TIME.

II. THE GEOMAGNETIC FIELD REMAINS QUIET. THE FIELD IS EXPECTED TO
BECOME SLIGHTLY UNSETTLED MIDWAY THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 SEPT - 23 SEPT

CLASS M 40/40/40

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 SEPT 112

PREDICTED 21-23 SEPT 116/116/120

90-DAY MEAN 20 SEPT 121.7

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 SEPT 05

ESTIMATED 20 SEPT 02

PREDICTED 21-23 SEPT 06/12/10

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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 265

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 21 SEP 1972

IA. SOLAR ACTIVITY HAS INCREASED TO A MODERATE LEVEL WITH 19 SUBFLARES OCCURRING DURING THE LAST 24 HOURS. REGION 416 /S05E62/ PRODUCED 11 SUBFLARES WITH ONE CLASS M SUBFLARE. MODERATELY STRONG MAGNETIC GRADIENTS EXIST IN THE LEADING PORTION OF THIS REGION WITH SPOTS OF TRAILING POLARITY LOCATED JUST NORTH OF THE MAIN LEADER. REGION 412 /S14E14/ HAS REVERSED POLARITIES AND PLAGE ENHANCEMENTS HAVE BEEN OBSERVED ALONG A KINKED NEUTRAL LINE, BUT NO FLARES HAVE YET BEEN OBSERVED. REGION 408 /S08W60/ HAS PRODUCED 5 SUBFLARES. MINOR ACTIVITY HAS BEEN OBSERVED ON BOTH THE NE AND SE LIMBS.

IB. BECAUSE OF ITS MAGNETIC COMPLEXITY, CONTINUED SUBFLARE ACTIVITY IS LIKELY FROM REGION 416 WITH A GOOD CHANCE OF A CLASS M EVENT. REGIONS 408 AND 412 ARE ALSO LIKELY TO PRODUCE SUBFLARE ACTIVITY. REGION 375 AT N17 IS DUE TO RETURN ON 22 SEP.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. A SECTOR BOUNDARY PASSAGE IS EXPECTED ON THE 22ND PRODUCING AN UNSETTLED GEOMAGNETIC FIELD DURING THE FIRST PORTION OF THE PERIOD.

III. EVENT PROBABILITIES 22 SEP-24 SEP

CLASS M 60/60/60

CLASS X 04/04/04

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 21 SEP 114

PREDICTED 22 SEP-24 SEP 118/124/130

90-DAY MEAN 21 SEP 122

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 SEP 002

ESTIMATED 21 SEP 003

PREDICTED 22 SEP-24 SEP 012/010/008

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