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HFUS 1 BOU 220600

FROM SPACE ENCIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 266A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 SEPT 1972

IA. REGION ROTATING ON TO DISK NE08
HAS BEEN THE SITE OF TYPE II AND TYPE
III BURSTS.

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 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 266B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 22 SEPT 1972

IA. SOLAR ACTIVITY REMAINS MODERATELY LOW WITH A DOZEN
SUBFLARES NOTED FROM SCATTERED REGIONS DURING THE PAST 24 HRS.

THE REGION 414/416 COMPLEX (S05 E60) PRODUCED A 1N FLARE
AT 1048Z. A SMALL M-CALSS X-RAY EVENT OF UNUSUAL DURATION
WAS ASSOCIATED WITH THIS FLARE. ALSO SHORT WAVE FADES WERE
OBSERVED ON 12 AND 21MHZ.

IB. REGIONS 414/416, 412 (S14E06) AND THE NEW REGION AT
N08E83 ARE ALL CAPABLE OF PRODUCING A MODERATELY
ENERGETIC FLARE AT ANY TIME.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST
24 HRS. THE FIELD IS EXPECTED TO BECOME SLIGHTLY UNSETTLED
MIDWAY THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22SEPT - 24 SEPT

CLASS M 60/60/60

CLASS X 04/04/04

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 SEPT 114

PREDICTED 22-24 SEPT 116/120/126

90-DAY MEAN 21 SEPT 121.6

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 SEPT 02

ESTIMATED 21 SEPT 03

PREDICTED 22-24 SEPT 06/12/10

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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 266

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 22 SEP 1972

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL. MOST ACTIVITY CAME FROM REGION 416 /S05E48/ WHICH HAS GROWN CONSIDERABLY IN SIZE AND COMPLEXITY. THIS REGION CONTAINS A DELTA CONFIGURATION IN THE LEADING PORTION WITH A KINKED NEUTRAL LINE AND AN ISOLATED POLE. IN ADDITION TO 5 SUBFLARES, THIS REGION PRODUCED TWO CLASS M IMPORTANCE ONE FLARES. AT 1050Z, A CLASS M4 FLARE WAS OBSERVED PRODUCING A 31 MINUTE SHORT WAVE FADE AT 21 MHZ. AT 1650Z, A CLASS M1 FLARE FROM THE SAME REGION RESULTED IN A 26 MINUTE SHORT WAVE FADE AT 18 MHZ. ONLY VERY SMALL RADIO BURSTS WERE OBSERVED WITH THESE FLARES. MODERATE ACTIVITY HAS BEEN OBSERVED ON THE NE LIMB INCLUDING AN ERUPTIVE PROMINENCE TO .28 SOLAR RADII AT NE14.

IB. THE MAGNETIC COMPLEXITY AND INCREASING SIZE OF REGION 416 SUGGESTS CONTINUING ACTIVITY WITH ADDITIONAL CLASS M FLARES LIKELY WITH A SMALL BUT INCREASED PROBABILITY OF A CLASS X EVENT. THE ACTIVITY ON THE NE LIMB IS PROBABLY ASSOCIATED WITH OLD REGION 404 /N14/ WHICH IS DUE TO RETURN ON THE 23RD.

II. THE MAGNETIC FIELD HAS REMAINED QUIET DURING THE LAST 24 HOURS BUT A FORECAST SECTOR BOUNDARY PASSAGE SHOULD PRODUCE UNSETTLED CONDITIONS FOR THE FIRST PORTION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 SEP-25 SEP

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 04/06/08

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 SEP 122

PREDICTED 23 SEP-25 SEP 130/136/142

90-DAY MEAN 22 SEP 122

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 SEP 002

ESTIMATED 22 SEP 005

PREDICTED 23 SEP-25 SEP 012/010/008

SOLTERWARN

SPAN

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