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KBOU S BOU 150615

SDF 259A ISSUED 0600Z SEP 15 1972

I A. NO CAHNGE

I B. NO CHANGE

II THE EXPECTED LOCAL NIGHTIME MAGNETIC SUB STORM
ACTIVITY BEGAN AT BOULDER AT 15/0230
AND A BOULDER K OF FOUR WAS ISSUED
FOR 15/0000-0300Z LOCAL SUBSTORM
ACTIVITY IS EXPTECTED TO CONTINUE THROUGH
1000Z.

III EVENT PROBABILITIES NO CHANGE

IV OTAWA 10.7 CM FLUX NO CHANGE

V GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG

ESTIMATED 14 SEPT 040

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HFUS 1 BOU 151300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 259B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 15 SEPT 1972

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY THREE SMALL SUBFLARES
REPORTED IN THE PAST 24 HOURS. ALL REGIONS PRESENTLY ON THE
DISK APPEAR TO BE STABLE AND RATHER UNIMPRESSIVE. THE LIMBS HAVE
BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL. NO SIGNIFICANT
RETURNING REGIONS ARE EXPECTED. THE PROBABILITY OF ENERGETIC
ACTIVITY AT THIS TIME IS LOW.

II. THE MAGNETIC FIELD AGAIN ENTERED A STORM STATUS FOR THE FIRST
12 HOURS OF 15 SEPT /K MAX OF 5 AT BOULDER/, BUT HAS RETURNED TO AN
UNSETTLED STATUS AT THIS TIME. SUBSTORM STATUS WILL PROBABLY BE
REACHED THE NEXT TWO DAYS NEAR LOCAL MIDNIGHT.

III. EVENT PROBABILITIES 15 SEPT-17 SEPT

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 SEPT 098

PREDICTED 15 SEPT-17 SEPT 100/102/105

90-DAY MEAN 14 SEPT 124

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 SEPT 025

ESTIMATED 14 SEPT 040

PREDICTED 15 SEPT-17 SEPT 28/19/12

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HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 259C

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 SEPTEMBER 1972

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL WITH ONLY FOUR FAINT SUBFLARES BEING REPORTED IN THE LAST 24 HOURS. ALTHOUGH NO FLARES HAVE BEEN REPORTED FROM THE REGION, THE BRIGHTEST PLAGUE IS OBSERVED IN REGION 405 /S12W12/ WHICH SHOWS SOME SPOT DEVELOPMENT AHEAD OF THE LEADER. A KINKED NORTH-SOUTH NEUTRAL LINE RUNS THROUGH THIS REGION. THE LIMBS REMAIN QUIET.

IB. THE CHANCE FOR A CLASS M FLARE HAS INCREASED SLIGHTLY WITH THE DEVELOPMENT OF REGION 405 BUT THE OVERALL ACTIVITY SHOULD CONTINUE LOW WITH VERY LITTLE CHANCE OF CLASS X OR PROTON EVENTS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE AGAIN LAST NIGHT BETWEEN 00Z AND 12Z BUT HAS GRADUALLY BECOME QUIET DURING THE DAY. A GEOMAGNETIC SUBSTORM OF LESSER INTENSITY IS LIKELY ONCE AGAIN TONIGHT WITH A MAXIMUM K VALUE OF 4 OR 5 BUT SHOULD ONCE AGAIN BECOME QUIET DURING DAYLIGHT HOURS. UNSETTLED CONDITIONS SHOULD PERSIST THE FOLLOWING TWO NIGHTS BUT WITH DECREASING K VALUES.

III. EVENT PROBABILITIES 16 SEP-18 SEP

CLASS M 35/35/35

CLASS X 02/02/02

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 SEP 098 102

PREDICTED 16 SEP-18 SEP 105/108/111

90-DAY MEAN 15 SEP 123 124

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 SEP 048

ESTIMATED 15 SEP 020

PREDICTED 16 SEP-18 SEP 016/012/010

SOLTERWARN

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