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HOUS 2 BOU 250200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
25/0200Z FEB 1973

I. SUNSPOT DATA FROM RAMEY AT 24/1142Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

041	S22W53	257	0005	A	00	01	ALPHA
044	N06E63	141	0300	E	12	10	BETA-GAMMA
045	S16E30	174	0010	B	03	04	BETA
046	N03E61	143	0005	A	00	01	ALPHA
047	S14W69	273	0010	C	04	02	BETA
048	N07E09	195	XXXX	X	XX	XX	XXXX

MAG TYPE INFERRED AT RAMEY. REGION 048 FORMED AFTER 1142Z.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

044 SN 24/2325Z 2327Z 2345Z S

III. AREAS OF SPECIAL INTEREST-

REGION 044 (N06E63) CONTINUES TO BE THE MOST INTERESTING DISK
FEATURE.

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HFUS 1 BOU 250601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 25 FEBRUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056 B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE LAST 24 HOURS WITH ONLY 5 APPARENTLY NON-ENERGETIC SUBFLARES REPORTED. NO ACTIVITY HAS BEEN OBSERVED IN THE LAST 12 HOURS. HOWEVER, THE COMPLEX IN THE NE STILL CONTAINS A LARGE BRIGHT PLAGE AND REMAINS MAGNETICALLY COMPLEX. REGION 044 (N06E49), WHICH PRODUCED 3 OF THE SUBFLARES, REMAINS THE LARGEST SUNSPOT GROUP. ALSO INCLUDED WITHIN THE BRIGHT PLAGE IS REGION 046 (N03E47). OTHER REGIONS ON THE DISK APPEAR STABLE AND INACTIVE.

IB. THE COMPLEX IN THE NE, PRIMARILY REGION 044, REMAINS A PROBABLE SOURCE AT MEDIUM SIZE CLASS M EVENTS WITH A SMALL CHANCE OF A CLASS X EVENT FROM THE REGION. MODERATE INTENSITY SHORT WAVE FADES CAN BE EXPECTED TO ACCOMPANY THESE EVENTS.

II. THE GEOMAGNETIC FIELD REMAINS DISTURBED WITH ACTIVE CONDITIONS DURING LOCAL DAYLIGHT HOURS AND MINOR MAGNETIC STORM CONDITIONS DURING LOCAL NIGHT HOURS. THE ACTIVITY SHOULD DIMINISH WITH THE GEOMAGNETIC FIELD REMAINING ACTIVE FOR THE NEXT 24 HOURS, THEN GENERALLY UNSETTLED FOR THE LATTER PORTION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 FEB - 27 FEB

CLASS M 70/70/70

CLASS X 10/10/15

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 FEB 098

PREDICTED 25 FEB - 27 FEB 100/102/105

90-DAY MEAN 24 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 FEB 27

ESTIMATED 24 FEB 29

PREDICTED 25 FEB - 27 FEB 28/15/08

SOLTERWARN

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 056

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 FEBRUARY 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, WITH ONLY THREE SUBFLARES
REPORTED IN THE PAST 24 HOURS. REGION 044 (N06E44) REMAINS BY FAR
THE MOST COMPLEX ON THE DISK. MAGNETIC STRUCTURE IS GAMMA TYPE,
AND THE NEUTRAL LINE IS COMPLEX WITHIN THE REGION. UMBRA AND
PENUMBRA IN THE LEADER HAVE GROWN, AND THE PLAGE HAS DEVELOPED IN
THE TRAILER AND SOUTH OF THE LEADER. OTHER REGIONS ARE STABLE
OR GROWING SLOWLY.

IB. REGION 044 IS CAPABLE OF ENERGETIC ACTIVITY. M-CLASS X-RAY
EVENTS ARE PROBABLE, AND X-CLASS EVENTS ARE POSSIBLE. ANY PARTICLE
EMISSION IS NOT EXPECTED TO AFFECT THE EARTH UNTIL THE REGION IS
FARTHER ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. CONDITIONS SHOULD
DECREASE TO QUIET OR SLIGHTLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 26 FEB - 28 FEB.

CLASS M 80/80/80

CLASS X 10/10/15

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 FEB 099

PREDICTED 26 FEB - 28 FEB 102/105/108

90-DAY MEAN 25 FEB 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 FEB 33

ESTIMATED 25 FEB 18

PREDICTED 26 FEB - 28 FEB 12/08/08

SOLTERWARN

SPAN

BT