

HOUS 2 BOU 260200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY
ISSUED AT 260200Z APR 1973

I. SUNSPOT DATA FROM RAMEY AT 251200Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0082 N13W16 148 0130 D 08 16 DELTA

0083 S14W57 189 0000 A 00 01 ALPHA

0085 S05E43 089 0240 D 07 11 GAMMA

NOTE-MAGNETIC TYPES FOR 082 AND 085 FROM MT WILSON.

MAGNETIC CLASS FOR 083 INFERRED AT RAMEY.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
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082	1N	25/0420Z	0429	----	M1
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082	1N	25/B1229	B1229	1252	--
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III. AREAS OF SPECIAL INTEREST:

BOTH REGIONS 082 AND 085 CLASSIFIED AS GAMMA WITH POSSIBLE DELTA
CONFIGURATION. BOTH REGIONS UNDERGOING RESTRUCTURING.

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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 APRIL 1973.

IA. REGION 082(N11W23)- THE DELTA AND ISOLATED POLE APPEAR WEAKER.
SPOT GROWTH EAST OF LARGE TRAILER AND IN LEADING SPOTS. H-ALPHA
GROWTH IN SOUTHWEST AND DECAY IN NORTHEAST. REGION IS UNSTABLE AND
DYNAMIC. REGION 083-SPOTS NO LONGER VISIBLE. REGION 085(S06E33)-DELTA
WEAKER BUT OVERALL COMPLEXITY INCREASED. SPOT DEVELOPMENT WEST OF
LARGE MAJOR SPOT, AND PENUMBRAL GROWTH IN BOTH LEADER AND TRAILER
PORTIONS. REGION 087(S09E36)-WEAK AND DECAYING. REGION 088(S01E44)-
DECAY IN LEADERS, SLIGHT GROWTH IN TRAILERS.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 APRIL 1973

IA. AN M CLASS SUBFLARE IN REGION 082(N13W30), OCCURRING AT
26/0627Z, PRODUCED SMALL RADIO BURSTS AT 2695 AND 4995 MHZ.
THIS EVENT WAS ACCOMPANIED BY FILAMENT ACTIVITY. REGION 085
(S05E30), STILL A POSSIBLE DELTA CONFIGURATION, YIELDED ONE
SUBFLARE AS THE PENUMBRA CONTINUES TO BE SLOWLY FRAGMENTING.
SMALL SUBFLARES WERE ALSO OBSERVED IN REGIONS 088(S12E36) AND
087(S03E37).

IB. DUE TO THE APPARENT INSTABILITY OF REGIONS 082 AND 085,
M CLASS EVENTS ARE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, WITH
A MINOR MAGSTORM POSSIBLE DURING THE LATTER PART OF THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 26-28 APRIL

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 APRIL 111

PREDICTED 26-28 APRIL 112/114/114

90 DAY MEAN 25 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 APRIL 13

ESTIMATED 25 APRIL 12

PREDICTED 26-28 APRIL 12/30/35

SOLTERWARN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
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III. EVENT PROBABILITIES 26-28 APRIL

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

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90 DAY MEAN 25 APRIL 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 APRIL 13

ESTIMATED 25 APRIL 12

PREDICTED 26-28 APRIL 12/30/35

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 116

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 APRIL 1973.

IA. SOLAR ACTIVITY REMAINS MODERATE. REGION 082 (N12W32) PRODUCED A 1N/M3 AND 1B/M9 WITH MAXIMUM AT 0628Z AND 2003Z RESPECTIVELY. THE SECOND FLARE HAD TYPE II (2001-2008Z) BUT NO TYPE IV DEKAMETRIC EMISSION. VERY WEAK CENTIMETRIC BURSTS WERE OBSERVED. SWF THROUGH 22 MHZ OCCURRED WITH THIS EVENT. A NEW ANTI-POLE HAS EMERGED IN THE NE SECTION OF REGION 082. BOTH REGIONS 082 AND 085 (S06E25) ARE CLASSED GAMMA DELTA.

IB. ONE TO TWO CLASS M FLARES PER DAY ARE EXPECTED. A CLASS X FLARE IS POSSIBLE THE NEXT 24-48 HOURS BUT NOT EXPECTED. A LOW ENERGY (5-21 MEV) PROTON ENHANCEMENT AT SATELLITE ALTITUDE IS EXPECTED WITH THE PASSAGE OF THE SECTOR BOUNDARY ON 27 APRIL. ABSORPTION ON EARTH IS EXPECTED TO BE SLIGHT. OLD REGIONS 071 (S13) AND 074 (S08) ARE DUE BACK 28 APRIL.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE. MAGSTORM CONDITIONS ARE EXPECTED TO COMMENCE WITHIN THE NEXT 6-18 HOURS.

III. EVENT PROBABILITIES 27 APR - 29 APR.

CLASS M 75/70/60

CLASS X 10/08/05

PROTON 25/15/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 26 APR 110

PREDICTED 27 APR - 29 APR 112/112/110

90-DAY MEAN 26 APR 101

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 25 APR 14

ESTIMATED 26 APR 15

PREDICTED 27 APR - 29 APR 30/35/25

SOLTERWARN

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