

26 MAY

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HOUS 2 BOU 260200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 260200Z MAY 1973.

I. REGIONS WITH SUNSPOTS. DATA FROM BOULDER.

LOCATIONS VALID AT 26 MAY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0103 N11W60 149 0070 C 02 06 BETA

0110 N02E03 086 0010 A 00 01 ALPHA

0112 S10W22 111 0010 B 03 03 BETA

0113 S05E03 086 0010 B 06 07 BETA

0114 S02W09 098 0090 D 06 26 BETA-GAMMA-DELTA

NOTE: MAG-TYPE A MEASURED BY BOULDER SPECTROHELIOSCOPE

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 260000Z.

NMBR LOCATION LO

0107 S05W05 097

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
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103	1N	25/0218Z	0218Z	0303Z	---
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III. AREAS OF SPECIAL INTEREST:

REGIONS 103 AND 114.

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERMENTS ABOARD SKYLAB A SECTION 1A WILL BE ADDED TO THE JOINT AESU/SESC REGION AND ACTIVITY SUMMARY ISSUED AT 0200Z DAILY. PART 1A WILL GIVE REGION NUMBERS, LOCATIONS, AND CARRINGTON LONGITUDES FOR THOSE H-ALPHA PLACES WITHOUT SPOTS WHICH THE ATM WILL BE STUDYING. A SINGLE SERIES OF REGION NUMBERS WILL BE USED FOR ALL REGIONS. LOCATIONS OF ALL REGIONS WILL BE ROTATED TO 0000Z ON THE DATE OF ISSUE. A SOLAR ROTATION RATE OF 0.55 DEG PER HR WILL BE USED TO ROTATE LOCATIONS FROM THE TIME OF OBSERVATION TO 0000Z. THESE CHANGES WILL BE EFFECTIVE 25 MAY THROUGH THE END OF ATM OPERATIONS.

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HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146A

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

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.

THE REGIONS APPEAR TO BE STABLE AND ARE NOT CHANGING.

IB. SOLAR ACTIVITY WILL REMAIN AT A LOW LEVEL WITH THE STABILIZATION
OF THE DISK REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED. THIS
CONDITION IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 26 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY THREE NON-ENERGETIC SUBFLARES REPORTED TODAY. PLAGE FLUCTUATIONS ARE OCCURRING IN REGION 114 /S02W16/, BUT STRUCTURAL CHANGES HAVE BEEN MINOR. OTHER DISK REGIONS ARE STABLE.

IB. ACTIVITY SHOULD REMAIN GENERALLY LOW. SMALL CLASS M FLARES MAY OCCUR IN RGN 114. OLD REGION 092 IS DUE TO RETURN TO THE SOUTHEAST LIMB WITHIN THE NEXT 12-24 HOURS.

II. THE GEOMAGNETIC FIELD IS UNSETTLED. QUIET TO MILDLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26-28 MAY

CLASS M 50/50/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 102

PREDICTED 26-28 MAY 102/102/103/

90 DAY MEAN 25 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 03

ESTIMATED 25 MAY 06

PREDICTED 26 - 28 MAY 08/08/08

SOLTERWARN

BT

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 146B

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

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III. EVENT PROBABILITIES 26-28 MAY

CLASS M 50/50/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 102

PREDICTED 26-28 MAY 102/102/103/

90 DAY MEAN 25 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 03

ESTIMATED 25 MAY 06

PREDICTED 26 - 28 MAY 08/08/08

SOLTERWARN

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KBOU
HFUS BOU 262200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 146
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 MAY 1973
IA. SOLAR ACTIVITY HAS BEEN LOW, WITH ONLY CLASS C EVENTS REPORTED:
TWO OF THESE WERE IN REGION 114 (S02W23) WITH OPTICAL MAXIMA AT
0455 AND 1236Z. REGION 103 (N11W76) PRODUCED A TINY EVENT
WITH OPTICAL MAXIMUM AT 1622Z. ANOTHER X-RAY EVENT (OF CLASS
C ENERGY) AT 0325 HAS NOT BEEN IDENTIFIED WITH ANY OPTICAL
EVENT. A NEW REGION (NUMBER 115) HAS BEEN BORN AT N14E30. IT
PRODUCED A TINY FLARE AT 1836Z WITH X-RAY EMISSION THAT
SLIGHTLY EXCEEDED DETECTION THRESHOLD. REGION 103 APPEARS TO
BE CONTINUING TO DECAY, WHILE GROWTH IN REGION 114 APPEARS HALTED,
AND MAGNETIC GRADIENTS SEEM DIMINISHED, ALTHOUGH THE DELTA IS
STILL PRESENT.
IB. REGION 114 SHOULD BE CAPABLE OF PRODUCING ONE CLASS M EVENT
IN THE NEXT 36 HOURS, BUT MAJOR ACTIVITY IS UNLIKELY. RETURN
OF A PREVIOUS REGION, (OLD NUMBER 92), TO EAST LIMB IS EXPECTED,
BUT THE REGION WILL PROBABLY NOT BE ACTIVE THIS ROTATION.
II. THE GEOMAGNETIC FIELD IS TECHNICALLY UNSETTLED, AND IS
EXPECTED TO CONTINUE (MARGINALLY) UNSETTLED THROUGHOUT THE FORE-
CAST PERIOD.
III. EVENT PROBABILITIES 27 MAY - 29 MAY
CLASS M 45/45/40
CLASS X 05/05/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 26 MAY 98
PREDICTED 27 MAY-29 MAY 95/90/85
90-DAY MEAN 26 MAY 102
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 25 MAY 07
ESTIMATED 26 MAY 08
PREDICTED 27 MAY-29 MAY 08/08/08
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