

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 PLAGES 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
103	IN	25/0218Z	0218Z	0303Z	---

III. AREAS OF SPECIAL INTEREST:

REGIONS 103 AND 114.

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERIMENTS ABOARD SKYLAB A SECTION IA WILL BE ADDED TO THE JOINT AESU/SESC REGION AND ACTIVITY SUMMARY ISSUED AT 0200Z DAILY. PART IA WILL GIVE REGION NUMBERS, LOCATIONS, AND CARRINGTON LONGITUDES FOR THOSE H-ALPHA PLAGES 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 UNSETLED. QUIET TO MILDLY UNSETLED  
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 FORECAST 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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