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KBOU

HOUS 2 BOU 150200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
150200Z MAY 1973

I. SUNSPOT DATA FROM BOULDER AT 141500Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0103 N13E80 160 0000 H 01 XX ALPHA

0104 S09E43 197 0000 A 01 01 ALPHA

MAGNETIC CLASSIFICATION INFERRED AT BOULDER. REGION 103 FROM
MT. WILSON AT 14/2255Z.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

103 0F 14/1433Z 1435Z 1443Z S

III. AREAS OF SPECIAL INTEREST-

NE LIMB.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 135

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200 Z 15 MAY 1973

Ia. SOLAR ACTIVITY REMAINS VERY LOW. REGION 103 (N10E75) CONTAINS A 'D' ^{BETA-GAMMA} SUNSPOT GROUP, BUT LIMB PROXIMITY PREVENTS DETAILED ANALYSIS. NO FLARE ACTIVITY HAS YET BEEN REPORTED DURING THE LAST 24 HOURS. IN THIS REGION A OSO-7 SATELLITE OBSERVATIONS SHOW ^{MUCH} LOWER ENHANCEMENTS OVER THIS REGION FOR TODAY AT LONG X-RAY AND EUV WAVELENGTHS. MINOR LIMB ACTIVITY (APR) OVER →

II. GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE BUT CONSIDERABLY LESS ENHANCED THAN YESTERDAY. FIELD IS EXPECTED TO MAINTAIN CURRENT LEVEL OF ACTIVITY FOR THE NEXT 5-6 DAYS.

III. EVENT PROBABILITIES 16 MAY - 18 MAY

CLASS M	<u>20</u>	<u>30</u>	<u>35</u>
CLASS X	<u>01</u>	<u>02</u>	<u>03</u>
PROTON	<u>01</u>	<u>01</u>	<u>01</u>
PCAF	<u>GREEN</u>		

IV. OTTAWA 10.7 CM FLUX

OBSERVED	<u>15 MAY</u>	<u>88</u>
PREDICTED	<u>16 MAY - 18 MAY</u>	<u>90 / 92 / 96</u>
90-DAY MEAN	<u>15 MAY</u>	<u>102</u>

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	<u>14 MAY</u>	<u>52</u>
ESTIMATED	<u>15 MAY</u>	<u>21</u>
PREDICTED	<u>16 MAY - 18 MAY</u>	<u>20 / 20 / 20</u>

Ia CONT,

CONTINUES ON THE EAST LIMB NEAR THIS REGION,
REGION IN GENERAL IS RELATIVELY UNIMPRESSIVE
AT THIS TIME IN H-ALPHA. AND WHITE LIGHT.

REGION 704 (S09E25) HAS GROWN CONSIDERABLY
IN THE LAST 24 HOURS AND APPEARS TO BE A
DEVELOPING REGION WITH INTENSITY FLUCTUATIONS
TO NEAR-FLARE BRIGHTNESS ^{AND AN ARCH-FILAMENT SYSTEM.} A TYPE C SPOT
(BETA-GAMMA) GROUP HAS BEEN REPORTED IN THIS REGION.
ONE OF FLARE HAS BEEN REPORTED IN THIS
REGION AT 150400Z. ACTIVITY IS EXPECTED TO
REMAIN LOW THE NEXT 24 HOURS WITH A CHANCE
OF BECOMING MODERATE AS REGION 104 DEVELOPS.
ID. ACTIVITY IS EXPECTED TO BE LOW THE NEXT
24 HOURS WITH A CHANCE OF BECOMING MODERATE
AS REGION 104 DEVELOPS.

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HFUS 1 BOU 151300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 135B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 15 MAY 1973

IA. SOLAR ACTIVITY REMAINS LOW, ONLY ONE SUBFAINT FLARE HAS BEEN
OBSERVED IN THE PAST EIGHT HOURS, (FROM REGION 104). REGION 103
(N13E75) CONTINUES TO ROTATE ONTO THE DISK WITH ACTIVE PROMINENCES AND
BRIGHT SURGES. THERE MAY BE TWO SEPARATE BIPOLAR SPOT GROUPS IN THE
AREA. REGION 104 (S09E30) HAS SHOWN SOME PLAGE AND SPOT GROWTH. AN
ARCH FILAMENT SYSTEM IS PRESENT IN THIS REGION.

IB. ACTIVITY IS EXPECTED TO BE LOW TO MODERATE AS REGION 103 ROTATES
ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOLLOWING A MAJOR STORM
WHICH BEGAN AT 13/1700Z. THE ACTIVITY HAS SUBSIDED SLIGHTLY IN THE PAST
EIGHT HOURS. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO
ACTIVE FOR THE NEXT SEVEN DAYS.

III. EVENT PROBABILITIES 15 MAY - 17 MAY

CLASS M 20/30/40

CLASS X 01/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 87

PREDICTED 15 MAY - 17 MAY 90/93/96

90-DAY MEAN 14 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MAY 21

ESTIMATED 14 MAY 47

PREDICTED 15 MAY - 17 MAY 20/25/25

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 135B

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IA. SOLAR ACTIVITY REMAINS LOW, ONLY ONE SUBFAINT FLARE HAS BEEN
OBSERVED IN THE PAST EIGHT HOURS, (FROM REGION 104). REGION 103
(N13E75) CONTINUES TO ROTATE ONTO THE DISK WITH ACTIVE PROMINENCES AND
BRIGHT SURGES. THERE MAY BE TWO SEPARATE BIPOLAR SPOT GROUPS IN THE
AREA. REGION 104 (S09E30) HAS SHOWN SOME PLAGE AND SPOT GROWTH. AN
ARCH FILAMENT SYSTEM IS PRESENT IN THIS REGION.

IB. ACTIVITY IS EXPECTED TO BE LOW TO MODERATE AS REGION 103 ROTATES
ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOLLOWING A MAJOR STORM
WHICH BEGAN AT 13/1700Z. THE ACTIVITY HAS SUBSIDED SLIGHTLY IN THE PAST
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CLASS M 20/30/40

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A "D" BETA-GAMMA SUNSPOT GROUP. NO FLARE ACTIVITY HAS BEEN REPORTED
IN THIS REGION DURING THE LAST 24 HOURS. OSO-7 SATELLITE OBSERVATIONS
SHOW MUCH LOWER ENHANCEMENTS OVER THIS REGION FOR TODAY AT LONG
X-RAY AND EUV WAVELENGTHS. MINOR LIMB ACTIVITY (APR) CONTINUES ON THE
EAST LIMB NEAR THIS REGION. REGION IN GENERAL IS RELATIVELY UNIMPRESSIVE
AT THIS TIME IN H-ALPHA. REGION 104 (S09E25) HAS GROWN CONSIDERABLY
IN THE LAST 24 HOURS AND APPEARS TO BE A DEVELOPING REGION WITH
INTENSITY FLUCTUATIONS TO NEAR-FLARE BRIGHTNESS AND AN ARCH-FILAMENT
SYSTEM. A TYPE "C" SPOT GROUP (BETA-GAMMA) HAS BEEN REPORTED IN THIS
REGION. ONE OF FLARE WAS REPORTED IN THIS REGION AT 150400Z.

IB. ACTIVITY IS EXPECTED TO BE LOW THE NEXT 24 HOURS WITH A
CHANCE OF BECOMING MODERATE AS REGION 104 DEVELOPS.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE BUT CONSIDERABLY
LESS ENHANCED THAN YESTERDAY. FIELD IS EXPECTED TO MAINTAIN CURRENT
LEVEL OF ACTIVITY FOR THE NEXT 5-6 DAYS.

III. EVENT PROBABILITIES 16 MAY -18 MAY

CLASS M 20/30/35

CLASS X 01/02/03

PROTON 01/01/01

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