

HFUS 1 BOU 030600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 154A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 03 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. ONLY ONE  
NON-ENERGETIC SUBFLARE HAS BEEN OBSERVED FROM REGION 416 (S14E40).  
THE OTHER DISK REGIONS AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. CLASS C FLARES AND  
AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED. NO MAJOR ACTIVITY IS  
EXPECTED.

II. THE MINOR GEOMAGNETIC DISTURBANCE CONTINUES BUT IS DECREASING  
GRADUALLY IN INTENSITY. THE DISTURBANCE WILL CONTINUE TO DECREASE  
DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 031400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 154B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 03 JUNE 1974

IA. SOLAR ACTIVITY HAS BEEN LOW WITH MINOR FLARE ACTIVITY  
(REGION 416 - S14E45). RADIO BURSTS ACCOMPANIED THE LARGEST - SN  
AT 0419Z. THE LARGE N-S FILAMENT (S12E30) HAS BEEN ACTIVE.

IB. REGION 416 SHOULD CONTINUE TO PRODUCE SUBFLARES WITH A FEW  
CLASSIFIED AS ENERGETIC M FLARES.

II. THE GEOMAGNETIC FIELD WHICH HAS BEEN SLIGHTLY ACTIVE QUIETED  
AFTER 1200Z. A RETURN TO LESS DISTURBED CONDITIONS IS EXPECTED.

III. EVENT PROBABILITIES 03-05 JUNE

CLASS M 75/75/75

CLASS X 10/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUNE 97

PREDICTED 03-05 JUNE 99/100/101

90-DAY MEAN 02 JUNE 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JUNE 25

ESTIMATED AFR/AP 02 JUNE 17/20

PREDICTED AFR/AP 03-05 JUNE 15/17-13/14-09/11

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HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 154

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 JUN 1974.

IA. SOLAR ACTIVITY HAS REMAINED RELATIVELY LOW DURING THE PAST 24 HOURS, AND NO ENERGETIC FLARES HAVE BEEN REPORTED. REGION 416 (S15E28) IS STILL THE MOST DYNAMIC DISK FEATURE, CONTAINING A CONTORTED MAGNETIC NEUTRAL LINE, ENHANCED PLAGE, AND AN ACTIVE FILAMENT. OBSERVATIONS MADE BY THE KITT PEAK MAGNETOGRAPH AND THE BOULDER SPECTROHELIOSCOPE INDICATE THAT ONE OF THE SPOTS CLOSE TO THE MAIN LEADER OF REGION 416 IS PROBABLY OF FOLLOWER POLARITY, AS ARE THE SPOTS IN THE NORTH-CENTRAL, NORTHEASTERN, AND EASTERN PARTS OF THE REGION. REGION 417 (S13W11) HAS EXHIBITED RECENT RAPID GROWTH AND NOW CONTAINS A SIMPLE BIPOLAR D-TYPE SPOT GROUP ACCOMPANIED BY ENHANCED PLAGE CONTAINING ARCH-FILAMENTS. REGION 419 (S04W17) CONTAINS A TINY BIPOLAR SPOT GROUP AND ENHANCED PLAGE. THE REGION OF OLD MAGNETIC FIELDS AND SCATTERED PLAGE EXTENDING FROM ABOUT S15W04 TO S15E19 HAS SHOWN DEVELOPMENT OF SEVERAL SMALL, WEAK, SHORT-LIVED SPOT GROUPS RECENTLY, BUT THESE SPOT GROUPS HAVE NOT BEEN ASSIGNED REGION NUMBERS IN ORDER TO AVOID CONFUSION AMONG OBSERVERS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE NEXT 72 HOURS, WITH REGION 416 PRODUCING OCCASIONAL SUBFLARES AND SPORADIC MINOR ENERGETIC EVENTS. REGION 417 ALSO MAY PRODUCE OCCASIONAL SUBFLARES IF DEVELOPMENT CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS. ACTIVE GEOMAGNETIC CONDITIONS ARE EXPECTED EARLY ON 04 JUNE, FOLLOWED BY A QUIETING TREND THROUGH 06 JUNE.

III. EVENT PROBABILITIES 04 JUN-06 JUN

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 02/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JUN 96

PREDICTED 04 JUN-06 JUN 100/102/102

90-DAY MEAN 03 JUN 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JUN 20

ESTIMATED AFR/AP 03 JUN 18/20

PREDICTED AFR/AP 04 JUN-06 JUN 13/15 - 09/10 - 06/07

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