

HFUS 3 BOU 240430  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 297A *Secondary*  
JOINT AFGWC/SESC ~~PRIMARY~~ REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 24 OCTOBER 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO EVENTS HAVE BEEN DETECTED DURING THE PAST 12 HOURS BY EITHER SATELLITE OR GROUND SYSTEMS. A SMALL COMPACT PLAGE HAS FORMED NEAR N2IE85 SINCE THE PREVIOUS FORECAST. THE TWO SPOTTED ACTIVE REGIONS ARE DECAYING AND QUIESCENT.

IB. NO SIGNIFICANT INCREASE IN SOLAR ACTIVITY IS EXPECTED FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 12 HOURS. QUIET TO SLIGHTLY UNSETLED CONDITIONS ARE EXPECTED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 24 OCTOBER - 26 OCTOBER

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	23 OCTOBER 88
PREDICTED	24-26 OCTOBER 87/87/86
90-DAY MEAN	23 OCTOBER 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	22 OCTOBER 20
ESTIMATED AFR/AP	23 OCTOBER 07/06
PREDICTED AFR/AP	24-26 OCTOBER 10/12 - 08/10 - 08/08

SOLTERWARN

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HFUS 3 BOU 241500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 297-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 24 OCT 1977

IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. NEW REGION 922  
(N20E80), THE RETURN OF OLD 904, APPEARS TO BE A "B" TYPE GROUP.  
PLAGE FLUCTUATIONS AND AN AFS HAVE BEEN REPORTED FROM THE REGION.  
THE REST OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED WITH  
NO CHANGE EXPECTED.

III. EVENT PROBABILITIES 24 - 26 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 OCT 88

PREDICTED 24-26 OCT 87/87/86

90-DAY MEAN 23 OCT 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 OCT 20

ESTIMATED AFR/AP 23 OCT 07/06

PREDICTED AFR/AP 24-26 OCT 07/07 - 08/10 - 08/08

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HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 297

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 24 OCTOBER 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW. NO SIGNIFICANT OPTICAL OR X-RAY EVENTS HAVE BEEN OBSERVED. TWO NEW REGIONS ARE PRESENT. 922 (N20E65) IS A NEW ACTIVE REGION WITH A REVERSED POLARITY B-TYPE SPOT GROUP AND IS NOT THE RETURN OF 904 AS EARLIER THOUGHT. PLAGE FLUCTUATIONS AND POINT BRIGHTENINGS HIGHLIGHT THIS REGION. 923 (N18E46) FORMED ON THE DISK AND IS IN THE AREA OF OLD 898 WHICH WAS ACTIVE LAST ROTATION WITH MANY FLARES INCLUDING TWO "M" CLASS EVENTS. THE REMAINDER OF THE DISK AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW. REGIONS 922 AND 923 SHOULD BE WATCHED FOR GROWTH.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED THE PAST 24 HOURS. A SMALL, 11 GAMMA, SSC WAS OBSERVED ON THE BOULDER MAGNETOGRAF AT 24/1730Z. AN M-1 X-RAY EVENT AT 0853Z ON 22 OCTOBER WHICH IS THOUGHT TO HAVE BEEN FROM REGION 917 IS THE MOST PROBABLE SOURCE FOR THIS EVENT. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO SLIGHTLY UNSETLED THRU THE PERIOD.

III. EVENT PROBABILITIES 25 OCTOBER - 27 OCTOBER.

CLASS M            05/05/05

CLASS X            01/01/01

PROTON            01/01/01

PCAF              GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED            24 OCTOBER 89

PREDICTED          25-27 OCTOBER 88/88/89

90-DAY MEAN        24 OCTOBER 93

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 OCTOBER 07

ESTIMATED AFR/AP    24 OCTOBER 06/06

PREDICTED AFR/AP    25-27 OCTOBER 08/08 - 08/10 - 06/08

SOLTERWARN

BT